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

Site Details **Box 1**

Site No. 130074

Site Name Bartlett Tree Company

Site Address: 345 Union Avenue Zip Code: 11590
City/Town: Westbury
County: Nassau
Site Acreage: 0.414

Reporting Period: January 30, 2023 to January 30, 2024

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

Box 2

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

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

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

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. 130074 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
10-228-206	Bartlett Realty Company	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan IC/EC Plan

An environmental easement is in place.

10-228-786	Bartlett Realty Company	IC/EC Plan Monitoring Plan Site Management Plan Landuse Restriction Ground Water Use Restriction

An environmental easement is in place.

Box 4

Description of Engineering Controls

Parcel	Engineering Control	
10-228-206	Monitoring Wells Cover System	As stated in the 2015 NYSDEC approved Site Management Plan, there are no engineering controls for the Site.
10-228-786	Monitoring Wells	8/5/2024

Box 5

Periodic Review Report (PRR) Certification Statements

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

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

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

YES	NO
X	☐

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

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

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

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

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

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

YES	NO
X	☐

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

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

Signature of Owner, Remedial Party or Designated Representative — Date

As stated in the 2015 NYSDEC approved Site Management Plan, there are no engineering controls for the Site.

8/5/2024

IC CERTIFICATIONS
SITE NO. 130074

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

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

I Brian Taylor, PG (print name) at Brown and Caldwell Associates, 300 Great Oaks Blvd., Suite 300-070, Albany, NY 12203 (print business address),

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

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

Brian Taylor, Brown and Caldwell — 8/5/2024

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

2023 Periodic Review Report
Bartlett Tree Company Site
NYSDEC Site #130074

Prepared for

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

February 28, 2024

Revised

November 10, 2025

2023 Periodic Review Report
Bartlett Tree Company Site
NYSDEC Site #130074

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

February 28, 2024

Revised
November 10, 2025

Project Number: 195350

Brown and Caldwell Associates
300 Great Oaks Blvd., Suite 300-070
Albany, New York 12203

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List of Abbreviations

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

3TC	3rd Track Constructors
TCL	Target Compound List
THQ	Target Hazard Quotient
TR	Targeted Cancer Risk
µg/L	micrograms per liter
µg/m³	micrograms per cubic meter
VOC	Volatile Organic Compound

Section 1

Introduction

This 2023 Periodic Review Report (PRR) is required as an element of the post-remediation monitoring program at the Bartlett Tree Company Site, Site #130074 (hereinafter referred to as the "Site").

1.1 Site Location and Description

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

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

1.2 Regulatory Background

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

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

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

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

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

The requirements for the monitoring activities reported in this PRR are specified in detail in the above-referenced SMP. The SMP has been modified via three addenda effective April 13, 2017 (BCA, August 14, 2017), December 16, 2019 (BCA, January 16, 2020), and August 15, 2020 (BCA, August 10, 2020). The April 13, 2017 addendum was formally approved by the NYSDEC by letter dated January 10, 2018. The NYSDEC approved the measures in the December 16, 2019 addendum by email. The NYSDEC approved the measures in the August 10, 2020 addendum by acceptance of the recommendations made in the 2020 PRR in the April 15, 2020 PRR Response Letter. Copies of the addenda are provided in Appendix 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 U.S. Environmental Protection Agency (EPA) SW-846 Method 8081A.
- Duplicate field-filtered groundwater samples will be collected from all four monitoring wells regardless of measured turbidity and compared to the unfiltered samples in order to evaluate the effect of turbidity on the analytical results, beginning August 2020.

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

1.3 Scope of Monitoring and Reporting

The reporting and certification period of this PRR is calendar year 2023. The scope of the review/reporting and the organization of this PRR are prescribed in the SMP and the above-referenced addenda thereto.

Environmental monitoring targeted groundwater quality and soil vapor intrusion. In accordance with the required monitoring frequency of every 10 months, the groundwater monitoring program consisted of two rounds of sampling (February 2023 and December 2023). Soil Vapor Intrusion (SVI) monitoring was conducted during the 2023/2024 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.

Section 2

Media Monitoring

This section describes the post-remedial monitoring of groundwater quality and SVI conducted during 2023.

2.1 Groundwater Quality

Two rounds of groundwater sampling were conducted on the following dates:

- February 22, 2023
- December 12, 2023

2.1.1 Groundwater Levels and Flow Direction

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

2.1.2 Sample Collection

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

During both the February 2023 and December 2023 rounds of sampling, all wells exhibited unfiltered turbidity below 50 NTUs. A comparison of unfiltered and filtered turbidity values for each monitoring well is provided below.

February 2023		
Monitoring Well	Unfiltered Turbidity (NTUs)	Filtered Turbidity (NTUs)
MW-2D	16.90	2.05
MW-3	5.37	1.62
MW-4	2.24	1.04
MW-5	17.30	1.58

December 2023		
Monitoring Well	Unfiltered Turbidity (NTUs)	Filtered Turbidity (NTUs)
MW-2D	31.50	1.14
MW-3	2.37	0.13
MW-4	8.52	2.41
MW-5	35.9	3.46

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

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

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

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

2.1.3 Analytical Data Validation

The groundwater analytical data packages were validated by Kelly Donahue (February 2023) and Jeffrey Davin (December 2023) both of BCA. Ms. Donahue's and Mr. Davin's qualification and experience as data validator are included in Appendix J. A Data Usability Summary Report (DUSR) was prepared for each 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 described in the DUSR, some data were qualified as follows:

February 2023

- The surrogates DCB decachlorobipheny and tetrachloro-m-xylene percent recoveries for samples MW-5-UF-20230222 and MW-5-F-20230222 were below control limits. The samples are likely biased low.
- The method blank had a detection of BHC, beta and Heptachlor. The associated samples MW-2D-UF-20230222, MW-5-UF-20230222 and MW-5-F-20230222 are likely biased high.
- The MS/MSD RPDs for sample MW-3-F-20230222 were above control limits for Heptachlor epoxide and Endrin aldehyde. The parent sample MW-3-F-20230222 is likely biased high.
- The primary and confirmation analyses percent difference was above control limits for several samples and analytes. The samples are likely biased high.

December 2023

- The surrogate DCB decachlorobipheny percent recoveries for sample MW-5-F-20231212 were below control limits. Associated sample detections are qualified as estimated.
- When dual column analysis is performed the percent difference of detected sample results must be less than 25%. Positive detections with a percent difference outside of the control limits are qualified as estimated.

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 Part 703 Class GA Water Quality Standards and highlights concentrations that exceed the corresponding standard with a solid border and bold font.

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

Shallow Monitoring Wells. Dieldrin was detected at concentrations greater than its Part 703 standard in the unfiltered (0.64 micrograms per liter [µg/L]) sample from MW-4 in February 2023, in both the unfiltered (0.1 µg/L) and filtered (0.026 J µg/L) samples from MW-4 in December 2023, and in the unfiltered (0.0062 J µg/L) sample from MW-5 in December 2023. MW-4 and MW-5 are downgradient from former Drywell 1. Dieldrin was not detected in any of the samples collected from well MW-3 (upgradient of former Drywell 1). The standard for Dieldrin is relatively low: 0.004 µg/L or 4 parts per trillion (ppt). A single detection of Endrin was reported in the unfiltered sample from downgradient well MW-4 in February 2023, at an estimated concentration of 0.018 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). Hexachlorocyclohexane, Alpha (BHC, alpha), was detected in unfiltered samples from MW-4 in both February 2023 (0.098 µg/L) and December (0.014 J µg/L) above the Part 703 standard (0.01 µg/L).

Deep Monitoring Well. Dieldrin was detected at concentrations greater than its Part 703 standard in the unfiltered (0.014 J µg/L) sample from MW-2D in February 2023, and in the unfiltered (0.014 J µg/L) sample from MW-2D in December 2023. MW-2D is downgradient from former Drywell 1. Dieldrin was not detected in either of the filtered samples collected from well MW-2D. As discussed above, the standard for Dieldrin is relatively low: 0.004 µg/L or 4 ppt.

Trend Plots. Figures 5a through 5f show post-remedial groundwater concentration trends for the six pesticide compounds that have historically been detected at concentrations above the corresponding Part 703 groundwater standards: alpha Chlordane, Dieldrin, Endrin, 4,4'-DDT, 4,4'-DDE, and 4,4'-DDD. The plotted concentrations are for the total matrix (i.e., from the unfiltered samples), with filtered results noted where available. Non-detect concentrations are plotted as 0.

In April 2022 Dieldrin (Figure 5b) was detected in well MW-4 at a concentration of 1.2 µg/L (unfiltered). This was higher than previous post-remedial concentrations but was in the range of pre-remediation values (Appendix D), which ranged from 0.74 µg/L to 3.3 µg/L. In February 2023 and December 2023, the concentration of Dieldrin in unfiltered samples collected from MW-4 has decreased to 0.64 µg/L and 0.1 µg/L respectively. These results are consistent with previous post-remedial concentrations. In all instances the estimated filtered concentration of Dieldrin in well MW-4 samples is above the Part 703 groundwater standard, however an order of magnitude less than the total result, indicating the compound is largely bound to particulate matter in the sample. Concentrations of Dieldrin in all other monitoring well samples are consistent with previous post-remedial concentrations.

Endrin (Figure 5c) was detected in the unfiltered sample from well MW-4 at an estimated concentration of 0.018 J µg/L during the February 2023 monitoring event. It was not detected in the unfiltered duplicate sample indicating the compound is bound to particulate matter in the sample. This detected concentration is consistent with previous post-remedial concentrations and is a decrease from the April 2022 high concentration. Endrin was not detected in any monitoring wells during the December 2023 monitoring event.

4-4'-DDT (Figure 5d) was not detected in any well above the Part 703 standard during the February 2023 or December 2023 monitoring events. 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 and within the range of historical post-remediation values. The figures demonstrate that pesticide concentrations have generally declined since post-remedial monitoring began in April 2015.

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

2.2 Soil Vapor Intrusion Monitoring

As noted in the SMP, on-Site soil vapor has been found to contain chlorinated volatile organic compounds (VOCs) off-gassing from contaminated groundwater that originates at one or more unidentified, off-Site sources. Accordingly, the SMP specifies that SVI monitoring will be performed on a periodic basis to assess potential intrusion of VOC vapors. The SVI monitoring was conducted on December 12, 2023.

2.2.1 Inventory of Potential Indoor VOC Sources

On December 12, 2023, 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 photoionization 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 on December 12, 2023, at the locations shown on Figure 5. A temporary sub-slab monitoring point was installed at a location adjacent to the previous sampling location. The monitoring point was installed in accordance with the NYSDOH guidance document *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH, 2006). The temporary point was constructed of food-grade polyethylene tubing installed into the gravel subbase after drilling through the concrete floor slab with a rotary hammer. The annulus between the tubing and the surrounding floor slab was sealed with non-VOC containing modeling clay.

Sample collection was completed in accordance with the detailed specifications in Section 3.3.2 of the SMP. A new, dedicated polyethylene sampling tube was used for sampling. Prior to sampling, the

probe/tubing was purged to remove air that could dilute or otherwise bias the sample. A helium tracer gas test was performed to verify that no infiltration of atmospheric air would occur during sampling. The tracer gas test consisted of applying a 5-gallon bucket shroud over the sampling probe. The sample tubing was then connected to a portable helium detector. Helium gas was introduced inside the shroud to enrich the atmosphere surrounding the probe with helium. A vapor sample was then drawn from the tubing and analyzed with a helium detector for the presence of the tracer gas. No short circuiting was indicated by the helium tracer gas test.

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

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

2.2.3 Analytical Data Validation

The soil vapor analytical data package was validated by Jeffrey Davin of BCA. A DUSR was prepared for the soil vapor data package (Appendix C). Overall, the analytical data for the soil vapor monitoring were determined to be acceptable for the intended purposes and none of the data required additional qualification or was 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 EPA Office of Solid Waste and Emergency Response (OSWER) screening levels[1] are also used for comparison (EPA, 2023). NYS currently has no compound-specific guidance values for soil vapor. Accordingly, sub-slab concentrations are compared to the OSWER shallow soil gas screening levels, which are based on the indoor air screening levels and assume a 10-fold attenuation factor between shallow soil gas and indoor air.

Chloroform was detected (7.5 micrograms per cubic meter [µg/m^3]) above the OSWER shallow soil gas screening level (5.3 µg/m^3) in the sub-slab vapor sample. Chloroform was not detected in indoor air above the OSWER target indoor air concentration, indicating the floor slab is an effective barrier to vapor intrusion. Chloroform has been previously detected in groundwater upgradient of and beneath the Site (Appendix D).

Perchloroethylene (PCE, tetrachloroethene) was detected (370 µg/m^3) above the above the OSWER shallow soil gas screening level (180 µg/m^3) in the sub-slab vapor sample. PCE was not detected in indoor air above the OSWER target indoor air concentration, indicating the floor slab is an effective barrier to vapor intrusion. NYSDOH's updated Soil Vapor/Indoor Air Matrix B (May 2017) recommends continued monitoring for sub-slab PCE vapor concentrations between 100 and 1,000 µg/m^3 and when the indoor air concentration is between 3 and 10 µg/m^3. PCE has been previously detected in groundwater upgradient of and beneath the Site (Appendix D).

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

The only compound detected above applicable screening levels in indoor air was Benzene (2.2 J $\mu g/m^3$). The OSWER target indoor air concentration for Benzene is 1.6 $\mu g/m^3$. This detection is likely due the presence of gasoline powered equipment in the indoor space as described in Section 2.2.1. Benzene was detected in the sub-slab vapor sample at a level below the OSWER target soil gas concentration.

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 12, 2023. The objectives of the inspection were to:

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

BCA's inspector, Brian Taylor, P.G., observed the exterior grounds of the Bartlett facility and both floors of the office building. Mr. Taylor met with and interviewed Bartlett's on-Site facility manager, Mr. Whitney Lewis. The findings are described below. A photographic log is provided in Appendix 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 (Photographs 4 and 13 of Photographic Log, Appendix F).

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

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

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

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

- At the time of the annual inspection the area of boring SB-7 was observed to be covered by the aggregate that had been installed in May-June 2018. Mr. Lewis confirmed that no disturbance of the SB-7 area has occurred since the last inspection. The area of SB-7 is shown in Photograph #14 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 #15 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 #16 of the Photographic Log (Appendix F).

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

Records of the Site inspections conducted by Bartlett's facility manager are provided in Appendix G.

3.1 Conclusions and Recommendations

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

Shallow Monitoring Wells. Dieldrin was detected at concentrations greater than its Part 703 standard in the unfiltered sample from MW-4 in February 2023, in both the unfiltered and filtered samples from MW-4 in December 2023, and in the unfiltered sample from MW-5 in December 2023. MW-4 and MW-5 are downgradient from former Drywell 1. Dieldrin was not detected in any of the sample collected from well MW-3 (upgradient of former Drywell 1). A single detection of Endrin was reported in the unfiltered sample from downgradient well MW-4 in February 2023.BHC, alpha was detected in unfiltered samples from MW-4 in both February 2023 and December above the Part 703 standard.

Deep Monitoring Well. Dieldrin was detected at concentrations greater than its Part 703 standard in the unfiltered sample from MW-2D in February 2023, and in the unfiltered sample from MW-2D in December 2023. MW-2D is downgradient from former Drywell 1. Dieldrin was not detected in either of the filtered samples collected from well MW-2D.

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

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

concentrations in MW-2D have been consistently below the Part 703 standard, with the exception of October 2019.

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

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

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 October 2024.

Section 4

Certification of Institutional Controls

In accordance with the SMP, at the conclusion of the 2023 reporting period, a Qualified Environmental Professional (QEP) makes the following certification:

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

- The institutional control employed at this Site is unchanged from the date the control was put in place, or last approved by the NYSDEC.
- Nothing has occurred that would impair the ability of the institutional control to protect the public health and environment.
- Nothing has occurred that would constitute a violation or failure to comply with the SMP for this institutional control.
- Access to the Site will continue to be provided to the NYSDEC to evaluate the remedy, including access to evaluate the continued maintenance of this institutional control.
- Use of the Site is compliant with the Environmental Easement.
- The information presented in this report is accurate and complete.
- I certify that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I, Brian F. Taylor, of Brown and Caldwell Associates, 300 Great Oaks Boulevard, Suite 300-070, Albany, New York 12203, am certifying as Owner's Designated Site Representative for the Site.



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

Section 5

Limitations

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

Section 6

References

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

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

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

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

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

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

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 #130074

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

Notes:
- - no measurement
NA - Well dropped from monitoring program.
NGVD - National Geodetic Vertical Datum
BGS - Below Ground Surface
BTOC - Below Top of Casing
* All wells re-surveyed April 1, 2010; elevation revised due to PVC settling.
** MW-2S was damaged prior to the May 30, 2018 water level measurement. Depths to water and/or elevations beginning with May 30, 2018 may be unreliable.
1) Water level not measured due to well inaccessibility.

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

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

Notes:
-- no measurement
NA - Well dropped from monitoring program.
NGVD - National Geodetic Vertical Datum
BGS - Below Ground Surface
BTOC - Below Top of Casing
* All wells re-surveyed April 1, 2010; elevation revised due to PVC settling.
** MW-2S was damaged prior to the May 30, 2018 water level measurement. Depths to water and/or elevations beginning with May 30, 2018 may be unreliable.
1) Water level not measured due to well inaccessibility.

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

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

Notes:
-- no measurement
NA - Well dropped from monitoring program.
NGVD - National Geodetic Vertical Datum
BGS - Below Ground Surface
BTOC - Below Top of Casing
* All wells re-surveyed April 1, 2010; elevation revised due to PVC settling.
** MW-2S was damaged prior to the May 30, 2018 water level measurement. Depths to water and/or elevations beginning with May 30, 2018 may be unreliable.
1) Water level not measured due to well inaccessibility.

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

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 #130074

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
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
4,4'-DDE	0.2	µg/L	0.0084 J	0.0041 U	0.0042 U	0.004 U	0.004 U
4,4'-DDT	0.2	µg/L	0.051	0.0086 J	0.0054 J	0.0042 UJ	0.0073 J
Aldrin	0	µg/L	0.0016 U	0.0016 U	0.0017 U	0.0016 U	0.0016 U
alpha Endosulfan	NE	µg/L	0.0035 U	0.0035 U	0.0036 U	0.0035 U	0.0036 J
beta Endosulfan	NE	µg/L	0.012 U	0.012 U	0.013 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
BHC, beta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U
BHC, delta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.0028 U	0.0027 U
BHC, gamma (Lindane)	0.05	µg/L	0.005 J	0.0045 J	0.0017 U	0.0016 U	0.0016 U
Chlordane, alpha	0.05	µg/L	**0.07**	**0.051**	0.03	0.021 J	0.01
Chlordane, beta	0.05	µg/L	0.0057 U	0.039	0.029	0.015 J	0.017
Dieldrin	0.004	µg/L	**0.16**	**0.043**	**0.02**	**0.016 J**	**0.03**
Endosulfan sulfate	NE	µg/L	0.0047 U	0.0048 U	0.0048 U	0.0047 U	0.0047 U
Endrin	0	µg/L	0.0066 U	0.0066 U	0.0068 U	0.0066 U	0.0065 U
Endrin aldehyde	5	µg/L	0.016 U	0.016 U	0.017 U	0.016 U	0.016 U
Endrin ketone	5	µg/L	0.004 U	0.0041 U	0.0042 U	0.004 U	0.004 U
Heptachlor	0.04	µg/L	0.0016 U	0.0016 U	0.0017 U	0.0016 U	0.0016 U
Heptachlor epoxide	0.03	µg/L	0.0019 U	0.0045 J	0.0019 U	0.0033 JP	0.0032 J
Methoxychlor	35	µg/L	0.024 U	0.025 U	0.025 U	0.024 U	0.024 U
Toxaphene	0.06	µg/L	0.24 U	0.25 U	0.25 U	0.24 U	0.24 U

Notes:
U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
J - Estimated concentration. The result is below the quantitation limit but above the MDL.
UJ - Constituent was analyzed, but was not detected above the sample reporting limit; and the reporting limit is approximate.
NE - Standard not established
Concentrations presented in bold font with solid border exceed the NYS Part 703 Standard
(1) Value of 0 indicates NYS Part 703 standard for this constituent is non-detect.

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

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

Notes:
U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
J - Estimated concentration. The result is below the quantitation limit but above the MDL.
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TABLE 2
PESTICIDES IN GROUNDWATER
ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard [1]	Units	MW-3/DUP-20180924 Unfiltered 9/24/2018	MW-3/DUP-20180924 Unfiltered 9/24/2018	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	MW-3 Unfiltered 4/14/2022	MW-3 Filtered 4/14/2022
Organochlorine Pesticides - Method 8081B											
4,4'-DDD	0.3	µg/L	0.004 U	0.0041 U	0.005 U	0.0051 U	0.0054 U	0.0051 U	0.005 U	0.005 U	0.0048 U
4,4'-DDE	0.2	µg/L	0.004 U	0.0041 U	0.005 U	0.0051 U	0.0054 U	0.0051 U	0.005 U	0.005 U	0.0048 U
4,4'-DDT	0.2	µg/L	0.0042 U	0.0043 U	0.0052 U	0.0053 U	0.0057 U	0.0053 U	0.0052 U	0.0052 U	0.005 U
Aldrin	0	µg/L	0.0016 U	0.0017 U	0.002 U	0.002 U	0.0022 U	0.002 U	0.002 U	0.002 U	0.0019 U
alpha Endosulfan	NE	µg/L	0.022	0.017	0.0078 J	0.0044 U	0.0047 U	0.0044 U	0.0043 U	0.0043 U	0.0041 U
beta Endosulfan	NE	µg/L	0.012 U	0.012 U	0.015 U	0.015 U	0.016 U	0.015 U	0.015 U	0.015 U	0.014 U
BHC, alpha	0.01	µg/L	0.0024 U	0.0025 U	0.003 U	0.003 U	0.0033 U	0.0031 U	0.003 U	0.003 U	0.0029 U
BHC, beta	0.04	µg/L	0.0027 U	0.0028 U	0.0034 U	0.0034 U	0.0037 U	0.0035 U	0.0034 U	0.011 U	0.011 U
BHC, delta	0.04	µg/L	0.0027 U	0.0028 U	0.0034 U	0.0034 U	0.0037 U	0.0035 U	0.0034 U	0.0034 U	0.0033 U
BHC, gamma (Lindane)	0.05	µg/L	0.0016 U	0.0017 U	0.002 U	0.002 U	0.0022 U	0.002 U	0.002 U	0.002 U	0.0019 U
Chlordane, alpha	0.05	µg/L	0.019 P	0.015 P	0.016	0.0084 J	0.0044 J	0.0096 J	0.003 U	0.0041 J	0.0029 U
Chlordane, beta	0.05	µg/L	0.0056 U	0.0058 U	0.007 U	0.0071 U	0.0076 U	0.0071 U	0.007 U	0.0069 U	0.0067 U
Dieldrin	0.004	µg/L	**0.0081 J**	**0.0065 J**	0.0053 U	0.0054 U	0.0058 U	0.0054 U	0.0053 U	**0.006 J**	0.0051 U
Endosulfan sulfate	NE	µg/L	0.0046 U	0.0048 U	0.0058 U	0.0059 U	0.0063 U	0.0059 U	0.0058 U	0.0057 U	0.0056 U
Endrin	0	µg/L	0.0065 U	0.0067 U	0.0081 U	0.0082 U	0.0088 U	0.0082 U	0.0081 U	0.008 U	0.0078 U
Endrin aldehyde	5	µg/L	0.016 U	0.017 U	0.02 U	0.02 U	0.022 U	0.02 U	0.02 U	0.02 U	0.019 U
Endrin ketone	5	µg/L	0.004 U	0.0041 U	0.005 U	0.0051 U	0.0054 U	0.0051 U	0.005 U	0.005 U	0.0048 U
Heptachlor	0.04	µg/L	0.0016 U	0.0017 U	0.002 U	0.002 U	0.0022 U	0.002 U	0.002 UJ	0.002 U	0.0019 U
Heptachlor epoxide	0.03	µg/L	0.011	0.009	0.0034 J	0.0023 U	0.0025 U	0.0023 U	0.0023 U	0.0049 J	0.0022 U
Methoxychlor	35	µg/L	0.024 U	0.025 U	0.03 U	0.03 U	0.033 U	0.031 U	0.03 U	0.03 U	0.029 U
Toxaphene	0.06	µg/L	0.24 U	0.25 U	0.3 U	0.3 U	0.33 U	0.31 U	0.3 U	0.3 U	0.29 U

Notes:
U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
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TABLE 2
PESTICIDES IN GROUNDWATER
ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

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

Notes:
U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
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TABLE 2
PESTICIDES IN GROUNDWATER
ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

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
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
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
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
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
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
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
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
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
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
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
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
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
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**
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
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**
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
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
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
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
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
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

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

Constituent	Part 703 Standard [1]	Units	MW-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	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
Organochlorine Pesticides - Method 8081B										
4,4'-DDD	0.3	µg/L	0.040 U	0.005 UJ	0.011 J	0.012 J	0.005 U	0.005 U	0.0093 U	0.025 U
4,4'-DDE	0.2	µg/L	0.04 U	0.0066 J	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.025 U
4,4'-DDT	0.2	µg/L	0.042 U	0.081	0.068 J	0.067 J	0.0052 U	0.0052 U	0.041 J	0.047 U
Aldrin	0	µg/L	0.016 U	0.002 U	**0.01 J**	**0.0088 J**	0.002 U	0.002 U	0.002 U	0.01 U
alpha Endosulfan	NE	µg/L	0.034 U	0.049	0.0064 J	0.0067 J	0.0043 U	0.0043 U	0.0085 U	0.021 U
beta Endosulfan	NE	µg/L	0.12 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U	0.075 U
BHC, alpha	0.01	µg/L	0.024 U	0.003 U	**0.28**	**0.27**	**0.2 J**	**0.14 J**	0.026 U	0.029 U
BHC, beta	0.04	µg/L	0.027 U	0.0034 U	0.0068 J	0.0062 J	0.0034 U	0.0034 U	0.0039 U	0.017 U
BHC, delta	0.04	µg/L	0.027 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.0034 U	0.017 U
BHC, gamma (Lindane)	0.05	µg/L	0.016 U	0.002 U	0.014 J	0.014 J	0.0083 J	0.0076 J	0.011 J	0.014 J
Chlordane, alpha	0.05	µg/L	0.024 U	0.028	0.019 J	0.02	0.003 U	0.003 U	0.025 J	0.031 J
Chlordane, beta	0.05	µg/L	0.056 U	0.019 J	0.015 J	0.013 J	0.007 U	0.007 U	0.014 U	0.035 U
Dieldrin	0.004	µg/L	**0.017**	**0.55**	**0.56**	**0.53**	**0.01 J**	**0.011 J**	**0.73**	**0.78**
Endosulfan sulfate	NE	µg/L	0.046 U	0.0058 U	0.33	0.3	0.0063 J	0.0068 J	0.24	0.26
Endrin	0	µg/L	0.065 U	**0.024**	**0.016 J**	**0.018 J**	0.0081 U	0.0081 U	**0.024 J**	0.04 U
Endrin aldehyde	5	µg/L	0.16 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.1 U
Endrin ketone	5	µg/L	0.04 U	0.0089 J	0.02 J	0.019 J	0.005 U	0.005 U	0.017 J	0.025 U
Heptachlor	0.04	µg/L	0.016 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.01 U
Heptachlor epoxide	0.03	µg/L	0.018 U	0.0082 J	0.0091 J	0.01 J	0.0023 U	0.0023 U	0.007 U	0.011 U
Methoxychlor	35	µg/L	0.24 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.15 U
Toxaphene	0.06	µg/L	2.4 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	1.5 U

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

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

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

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

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

Notes:
U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
J - Estimated concentration. The result is below the quantitation limit but above the MDL.
UJ - Constituent was analyzed, but was not detected above the sample reporting limit; and the reporting limit is approximate.
NE - Standard not established
Concentrations presented in bold font with solid border exceed the NYS Part 703 Standard
(1) Value of 0 indicates NYS Part 703 standard for this constituent is non-detect.

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

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

Notes:
U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
J - Estimated concentration. The result is below the quantitation limit but above the MDL.
UJ - Constituent was analyzed, but was not detected above the sample reporting limit; and the reporting limit is approximate.
NE - Standard not established
Concentrations presented in bold font with solid border exceed the NYS Part 703 Standard
(1) Value of 0 indicates NYS Part 703 standard for this constituent is non-detect.

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

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

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

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

Notes:
U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
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TABLE 2
PESTICIDES IN GROUNDWATER
ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

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
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**
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Notes:
U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
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TABLE 2
PESTICIDES IN GROUNDWATER
ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

Constituent	Part 703 Standard [1]	Units	MW-2D Unfiltered 5/17/2017	MW-2D Unfiltered 10/16/2017	MW-2D Unfiltered 5/31/2018	MW-2D Unfiltered 9/24/2018	MW-2D Unfiltered 10/22/2019	MW-2D Unfiltered 8/17/2020	MW-2D Filtered 8/17/2020	MW-2D Unfiltered 6/14/2021	MW-2D Filtered 6/14/2021
Organochlorine Pesticides - Method 8081B											
4,4'-DDD	0.3	µg/L	**0.5**	0.074	**0.47**	0.15	**0.65**	0.26	0.038	0.18	0.056
4,4'-DDE	0.2	µg/L	0.2	0.027	0.16	0.057 J	**0.4**	0.12	0.02 J	0.083 J	0.023 J
4,4'-DDT	0.2	µg/L	0.17 J	0.011 J	0.07	0.021 U	0.0052 U	**2.1** J	**1.4** J	0.027 U	0.0053 U
Aldrin	0	µg/L	0.0016 U	0.0017 U	0.0016 U	0.008 U	0.002 U	0.0021 U	0.002 U	0.011 U	0.0054 U
alpha Endosulfan	NE	µg/L	0.0035 U	0.0036 U	0.0059 J	0.017 U	0.0043 U	0.0045 U	0.0043 U	0.023 U	0.0044 U
beta Endosulfan	NE	µg/L	0.012 U	0.012 U	0.012 U	0.06 U	0.015 U	0.016 U	0.015 U	0.079 U	0.015 U
BHC, alpha	0.01	µg/L	0.0024 U	0.0025 U	0.0024 U	0.012 U	0.003 U	0.0031 U	0.003 U	0.016 U	0.0048 U
BHC, beta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.014 U	0.0034 U	0.0035 U	0.0034 U	0.018 U	0.0046 U
BHC, delta	0.04	µg/L	0.0028 U	0.0028 U	0.0028 U	0.014 U	0.0034 U	0.0035 U	0.0034 U	0.018 U	0.0035 U
BHC, gamma (Lindane)	0.05	µg/L	0.0016 U	0.002 J	0.0016 U	0.008 U	0.002 U	0.0021 U	0.002 U	0.011 U	0.002 U
Chlordane, alpha	0.05	µg/L	0.0096 J	0.0029 J	0.01	0.012 U	0.003 U	0.0063 J	0.003 U	0.016 U	0.003 U
Chlordane, beta	0.05	µg/L	0.012 UV	0.0058 U	0.011 U	0.028 U	0.007 U	0.012 J	0.007 U	0.037 U	0.0071 U
Dieldrin	0.004	µg/L	**0.019**	**0.0089 J**	**0.019**	0.021 U	0.0053 U	**0.018 J**	0.0053 U	0.028 U	0.0054 U
Endosulfan sulfate	NE	µg/L	0.034	0.0049 J	0.021	0.023 U	0.0058 U	0.006 U	0.0058 U	0.031 U	0.0059 U
Endrin	0	µg/L	0.0066 UJ	0.0067 U	0.0066 U	0.033 U	0.0081 U	0.0084 U	0.0081 U	0.043 U	0.0082 U
Endrin aldehyde	5	µg/L	0.016 U	0.017 U	0.016 U	0.08 U	0.02 UJ	0.032 J	0.02 U	0.11 U	0.02 U
Endrin ketone	5	µg/L	0.0041 U	0.0041 U	0.004 U	0.02 U	0.005 U	0.0052 U	0.005 U	0.026 U	0.0051 U
Heptachlor	0.04	µg/L	0.0016 U	0.0017 U	0.0016 U	0.008 U	0.002 U	0.0021 U	0.002 U	0.011 U	0.002 U
Heptachlor epoxide	0.03	µg/L	0.0019 U	0.0019 U	0.0019 U	0.0092 U	0.0023 U	0.0024 U	0.0023 U	0.012 U	0.0023 U
Methoxychlor	35	µg/L	0.024 U	0.025 U	0.024 U	0.12 U	0.03 U	0.031 U	0.03 U	0.16 U	0.03 U
Toxaphene	0.06	µg/L	0.24 U	0.25 U	0.24 U	1.2 U	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 2
PESTICIDES IN GROUNDWATER
ANALYTICAL RESULTS
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE #130074

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

Notes:
U - Constituent was analyzed for, but was not detected. Value shown is the method detection limit (MDL) for the analyzed constituent.
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
DECEMBER 12, 2023
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE NO. 130074

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.	up to 0.2	Y
2	Flammable cabinet, containing gasoline, diesel, automotive grease, 2-cyc fuel, engine oil for chain saws.	0 (outside cabinet) 0.8 (inside cabinet)	Y
3	Non-skid coatings (xylenes, polycyclic aromoatic hydrocarbons)	0.6	Y
4	Liquid Plan Fertilizer (manganese, mineral oil containing petroleum distillates, nitrogen phosphate)	0	?
5	Top Soil	0	?
6	Gypsum Pellets	0	?
7	Chainsaw bar oil, motor oils, hydraulic fluids	0	Y
8	Anti Freeze/Deicer	0	N

TABLE 4
SVI MONITORING RESULTS
2023-2024 HEATING SEASON
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE NO. 130074

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	12/12/2023		12/12/2023		12/12/2023	
				Units						
1,1,1,2-Tetrachloroethane	--	17	1.7	µg/m³	1	U	1	U	1	U
1,1,1-Trichloroethane	--	22000	2200	µg/m³	0.65	U	0.65	U	13	
1,1,2,2-Tetrachloroethane	--	2.1	0.21	µg/m³	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	--	22000	2200	µg/m³	1.5	U	1.5	U	1.5	U
1,1,2-Trichloroethane	--	0.88	0.088	µg/m³	0.65	U	0.65	U	0.65	U
1,1-Dichloroethane	--	77	7.7	µg/m³	0.36	U	0.36	U	0.36	U
1,1-Dichloroethene	--	880	88	µg/m³	0.56	U	0.56	U	0.56	U
1,2,3-Trichloropropane	--	1.3	0.13	µg/m³	0.84	U	0.84	U	0.84	U
1,2,4-Trimethylbenzene	--	260	26	µg/m³	1.4	U	5.9	J	6.3	J
1,2-Dibromoethane (EDB)	--	0.2	0.02	µg/m³	1	U	1	U	1	U
1,2-Dichlorobenzene	--	880	88	µg/m³	1.2	U	1.2	U	1.2	U
1,2-Dichloroethane	--	4.7	0.47	µg/m³	0.32	U	0.32	U	0.32	U
1,2-Dichloropropane	--	18	1.8	µg/m³	0.6	U	0.6	U	0.6	U
1,2-Dichlorotetrafluoroethane (Freon 114)	--	--	--	µg/m³	0.84	U	0.84	U	0.84	U
1,2-Dimethylbenzene (o-Xylene)	--	440	44	µg/m³	0.83	U	3.1	J	6	
1,3,5-Trimethylbenzene (mesitylene)	--	260	26	µg/m³	1.6	U	1.6	U	2.3	J
1,3-Butadiene	--	4.1	0.41	µg/m³	0.38	U	0.38	U	0.38	U
1,3-Dichlorobenzene	--	--	--	µg/m³	1.8	U	1.8	U	1.8	U
1,4-Dichlorobenzene	--	11	1.1	µg/m³	1.8	U	1.8	U	1.8	U
2,2,4-Trimethylpentane (isooctane)	--	--	--	µg/m³	1.9	U	2.6	J	2.3	J
2-Butanone (MEK)	--	22000	2200	µg/m³	0.85	J	3.9		44	
2-Hexanone	--	130	13	µg/m³	2	U	2	U	3.6	J
3-Chloropropene (allyl chloride)	--	4.4	0.44	µg/m³	0.63	U	0.63	U	0.63	U
4-Ethyltoluene	--	--	--	µg/m³	0.88	U	1.1	J	1.6	J
4-Methyl-2-pentanone (MIBK)	--	13000	1300	µg/m³	0.61	U	0.61	J	2.1	J
Acetone	--	--	--	µg/m³	14		19		160	
Benzene	--	16	1.6	µg/m³	0.88	J	**2.2**	**J**	5.5	
Bromobenzene	--	260	26	µg/m³	1.3	U	1.3	U	1.3	U
Bromodichloromethane	--	3.3	0.33	µg/m³	2.7	U	2.7	U	2.7	U
Bromoform	--	110	11	µg/m³	4.1	U	4.1	U	4.1	U
Bromomethane	--	22	2.2	µg/m³	0.78	U	0.78	U	0.78	U
Carbon disulfide	--	3100	310	µg/m³	1.2	U	1.2	U	1.5	J
Carbon tetrachloride	--	20	2	µg/m³	0.88	U	0.88	U	1.5	J
Chlorobenzene	--	220	22	µg/m³	0.6	U	0.6	U	0.6	U
Chlorodifluoromethane	--	220000	22000	µg/m³	1.4	U	1.4	U	1.4	U
Chloroethane	--	--	--	µg/m³	0.79	U	0.79	U	0.79	U
Chloroform	--	5.3	0.53	µg/m³	0.45	U	0.45	U	**7.5**	
Chloromethane	--	390	39	µg/m³	1.1	J	0.86	J	0.83	U
cis-1,2-Dichloroethene	--	180	18	µg/m³	0.79	U	0.97	J	0.79	U
cis-1,3-Dichloropropene	--	31	3.1	µg/m³	0.45	U	0.45	U	0.45	U
Dibromochloromethane	--	--	--	µg/m³	3.4	U	3.4	U	3.4	U
Dibromomethane	--	--	--	µg/m³	1	U	1	U	1	U
Dichlorodifluoromethane (Freon 12)	--	440	44	µg/m³	2.6	J	2.4	J	12	
Dichlorofluoromethane	--	--	--	µg/m³	0.46	U	0.46	U	0.46	U
Ethylbenzene	--	49	4.9	µg/m³	0.83	U	2.9	J	4.4	
Hexachloroethane	--	11	1.1	µg/m³	2.6	U	2.6	U	2.6	U
Isopropylbenzene (Cumene)	--	1800	180	µg/m³	1.2	U	1.2	U	1.7	J

TABLE 4
SVI MONITORING RESULTS
2023-2024 HEATING SEASON
PERIODIC REVIEW REPORT
BARTLETT TREE COMPANY SITE NO. 130074

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	12/12/2023		12/12/2023		12/12/2023	
				Units						
Methylene chloride	60	2600	260	µg/m^3	5.5	J	3.9	J	0.87	U
n-Heptane	--	1800	180	µg/m^3	0.94	U	1.5	J	4.8	
n-Hexane	--	3100	310	µg/m^3	11		11		3.6	
n-Pentane (C5)	--	4400	440	µg/m^3	2	J	8.6		4.6	
Octane	--	--	--	µg/m^3	1.9	U	1.9	U	4	J
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	2.8	J	3.5	J	**370**	
Toluene	--	22000	2200	µg/m^3	4.1		13		25	
trans-1,2-Dichloroethene	--	180	18	µg/m^3	0.79	U	1.2	J	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	5.6	
Trichlorofluoromethane (Freon 11)	--	--	--	µg/m^3	1.1	J	1.1	J	5.4	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	2.4	J	8.9		18	

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 2023) 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
AA - Ambient (Outdoor) Air
IA - Indoor Air
SV - Soil Vapor

Figures

N

Grate=104.28
Storm MH
Concrete Curb
Wood Fence
Edge of Pavement
0.4'
0.2'
FORMER OPEN SHED
FORMER DRYWELL 1
MASONRY WAREHOUSE
Chain link Fence
FORMER PESTICIDE STORAGE LOCKER
0.4'
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
Paved Driveway
No. 345
4.9'
No. 349
ALL SEASONS TAXI
WV
SCO
Gas Box
Gas Box
Drop Curb
Concrete Curb
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
February 2023

PROJECT NUMBER
158388

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

Legend

MONITORING WELL

MONITORING WELL DROPPED FROM MONITORING PROGRAM

PROPERTY LINE

0 10 20

Feet

* 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
February 2023

PROJECT NUMBER
158388

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'

69.80

69.70

69.60

Regional
Groundwater
Flow

Range of
Local Shallow
Groundwater
Flow

FORMER
DRYWELL 1

MASONRY
WAREHOUSE

MW-4
(69.74)

Chain Fence

MW-2D

MW-3
(69.80)

0.4'

MW-5
(69.64)

69.80

LOT 786

LOT 207

69.70

LOT 787

69.60

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
- (69.64) 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
FEBRUARY 22,2023

	DATE	PROJECT NUMBER
BARTLETT TREE COMPANY SITE WESTBURY, NEW YORK	JANUARY 2024	195350

Brown AND Caldwell

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N

VILLAGE OF WESTBURY
PARKING LOT

Building

Chain link Fence

Grate=104.28
Storm MH

MW-1S
(NA[1])

105

5.3'

Concrete Curb

106

Wood Fence

0.4'

0.2'

70.40

70.30

70.20

70.10

Range of
Local Shallow
Groundwater
Flow

Regional
Groundwater
Flow

FORMER
DRYWELL 1

MASONRY
WAREHOUSE

MW-4
(70.21)

Chain Link Fence

MW-2D

MW-3
(70.39)

0.4

MW-5
(70.10)

70.40

70.30

70.20

70.10

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
- (69.64) WATER TABLE ELEVATION (FT., NGVD)
- (1) MW-1S DROPPED FROM MONITORING PROGRAM EFFECTIVE DECEMBER 16, 2019. SEE REPORT TEXT FOR MORE INFORMATION.

FIGURE 4

WATER TABLE CONTOUR MAP
DECEMBER 12, 2023

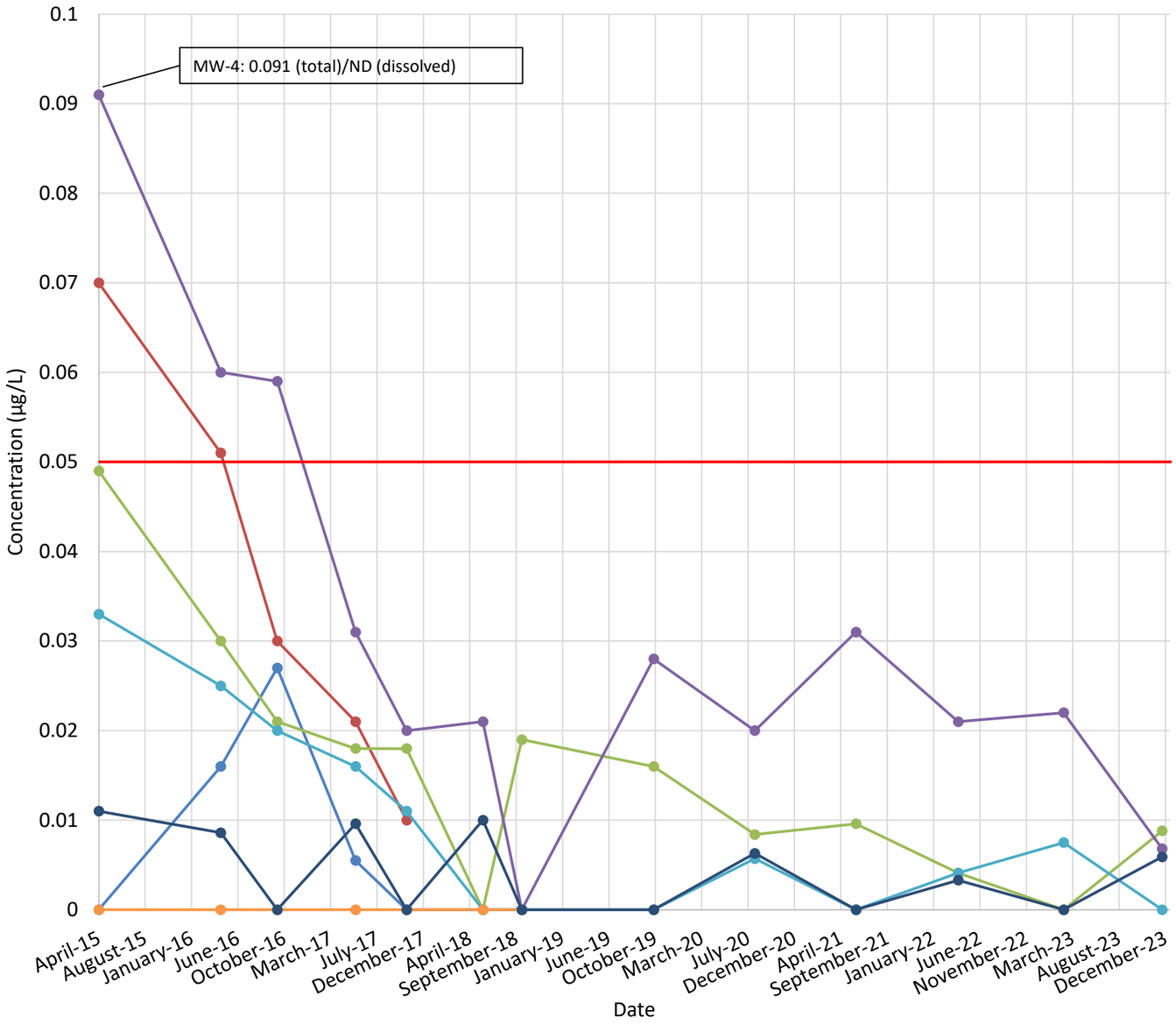
	DATE	PROJECT NUMBER
BARTLETT TREE COMPANY SITE WESTBURY, NEW YORK	JANUARY 2024	195350

Brown AND Caldwell

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

195350

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.

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

ND – non-detect

FIGURE 5a

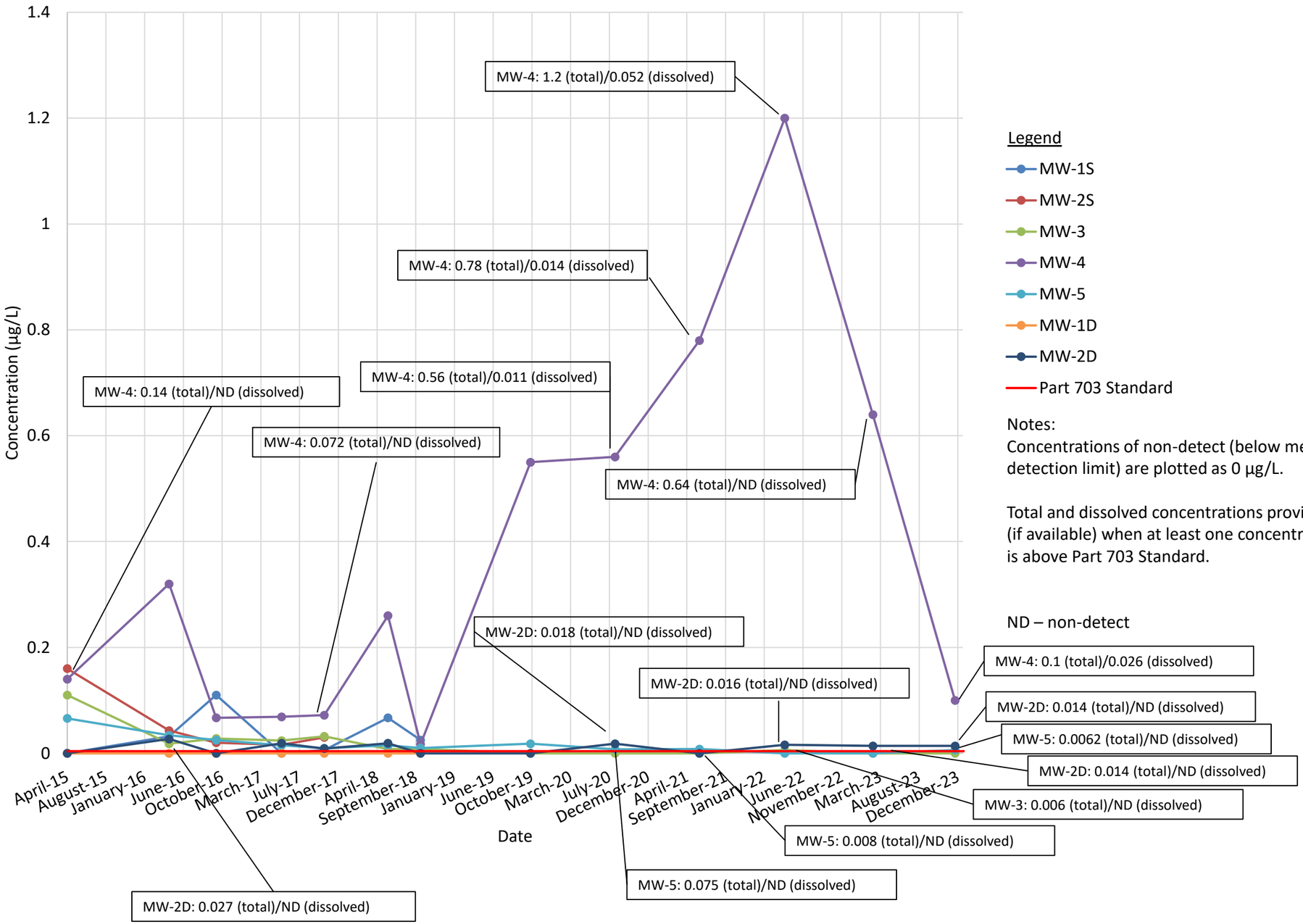
Chlordane, alpha Trend Plot
All Site Monitoring Wells
(April 2015 – December 2023)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

195350

Total Dieldrin



Legend

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

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

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

ND – non-detect

FIGURE 5b

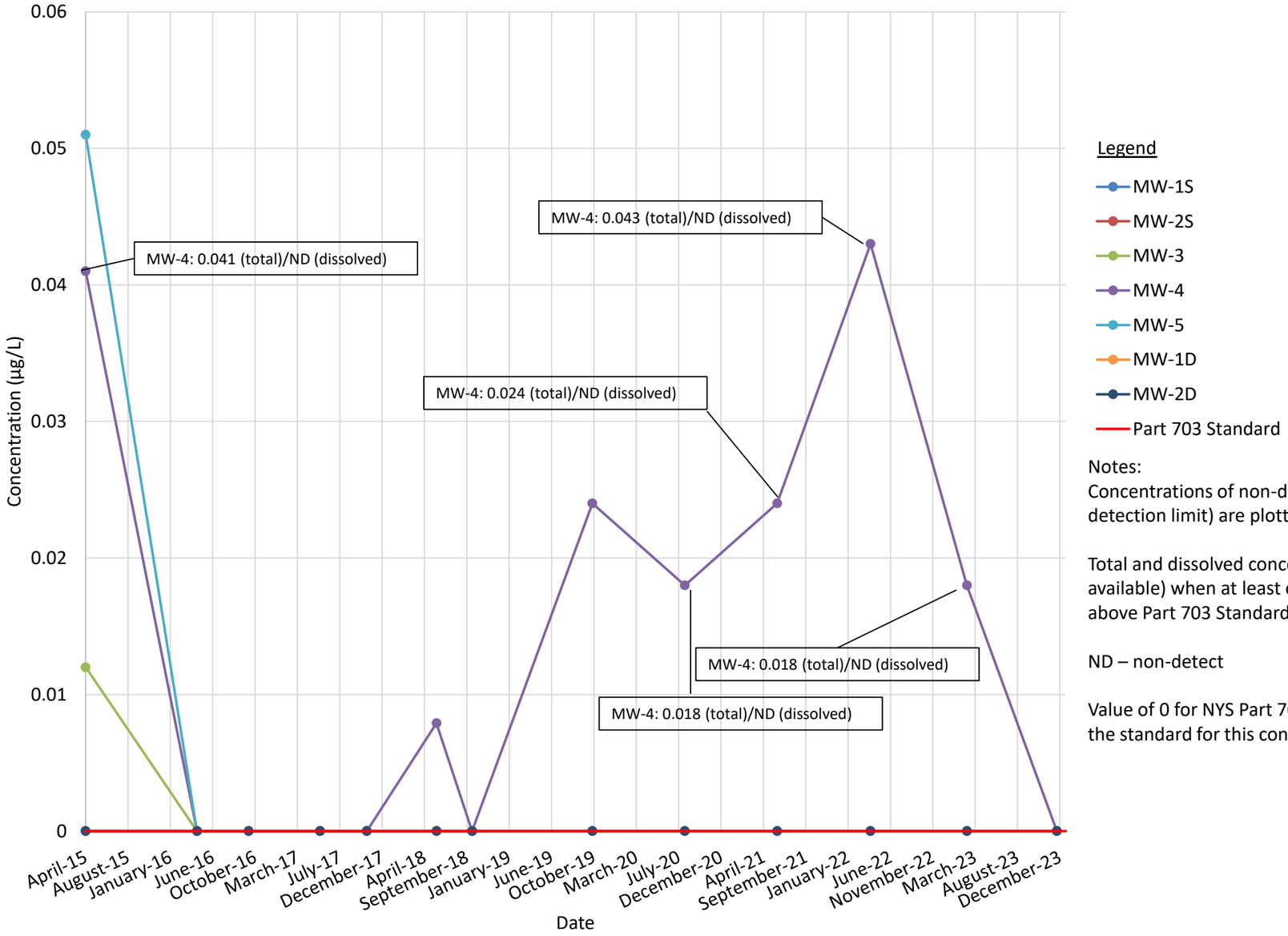
Dieldrin Trend Plot
All Site Monitoring Wells
(April 2015 – December 2023)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

195350

Total Endrin



Legend

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

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

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

ND – non-detect

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

FIGURE 5c

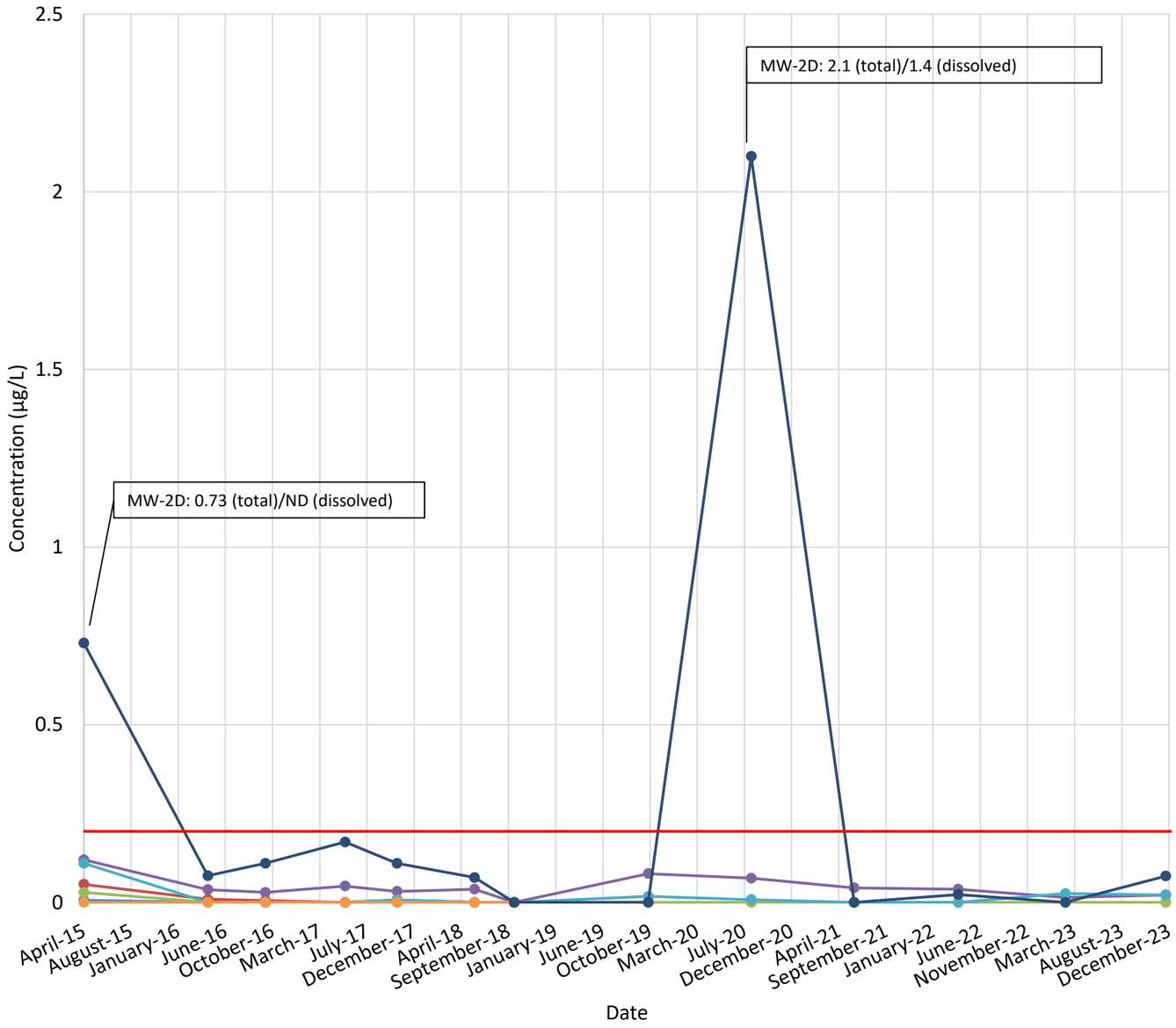
Endrin Trend Plot
All Site Monitoring Wells
(April 2015 – December 2023)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

195350

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.

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

ND – non-detect

FIGURE 5d

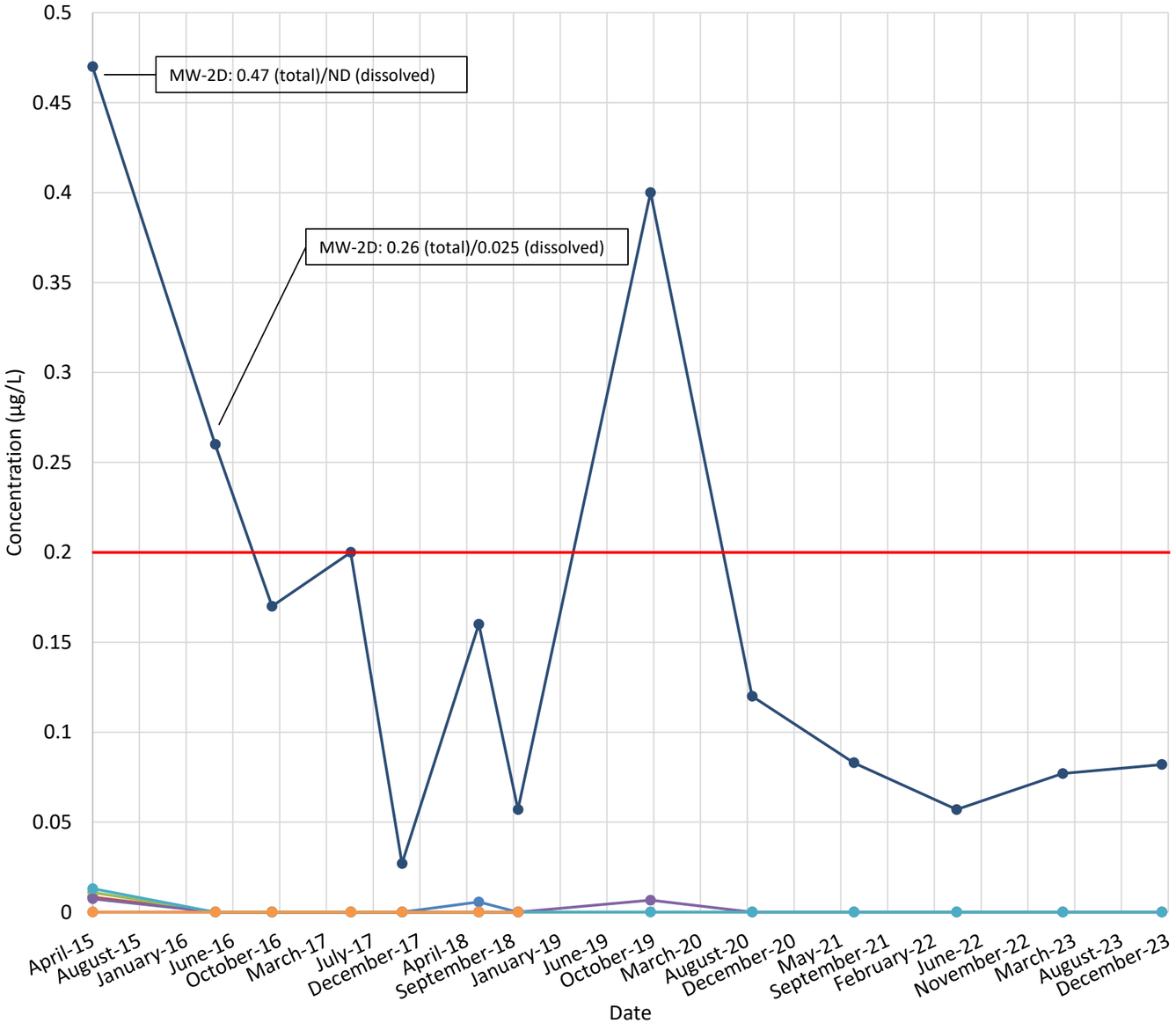
4,4'-DDT Trend Plot
All Site Monitoring Wells
(April 2015 –December 2023)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

195350

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.

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

ND – non-detect

FIGURE 5e

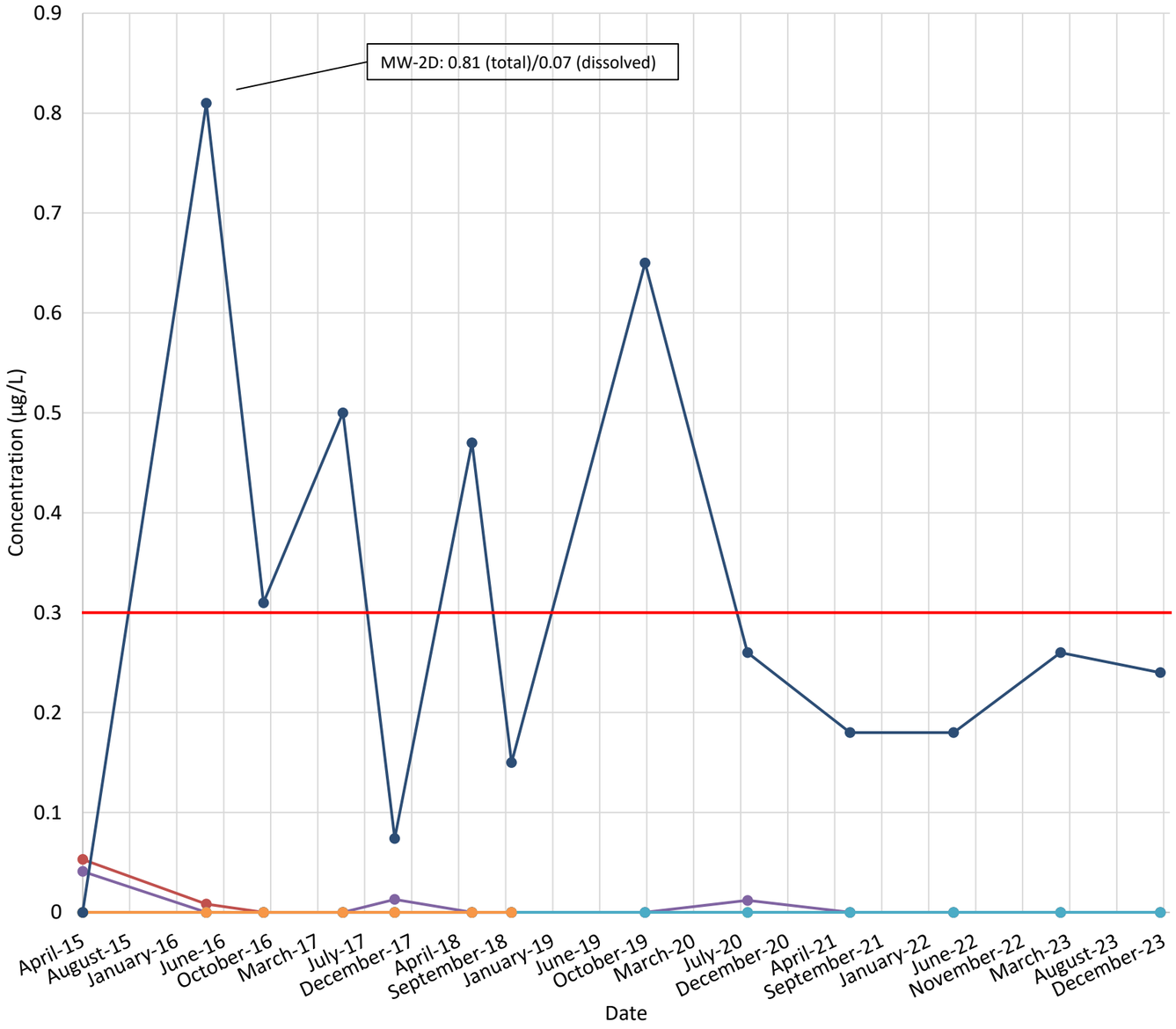
4,4'-DDE Trend Plot
All Site Monitoring Wells
(April 2015 – December 2023)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell

195350

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.

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

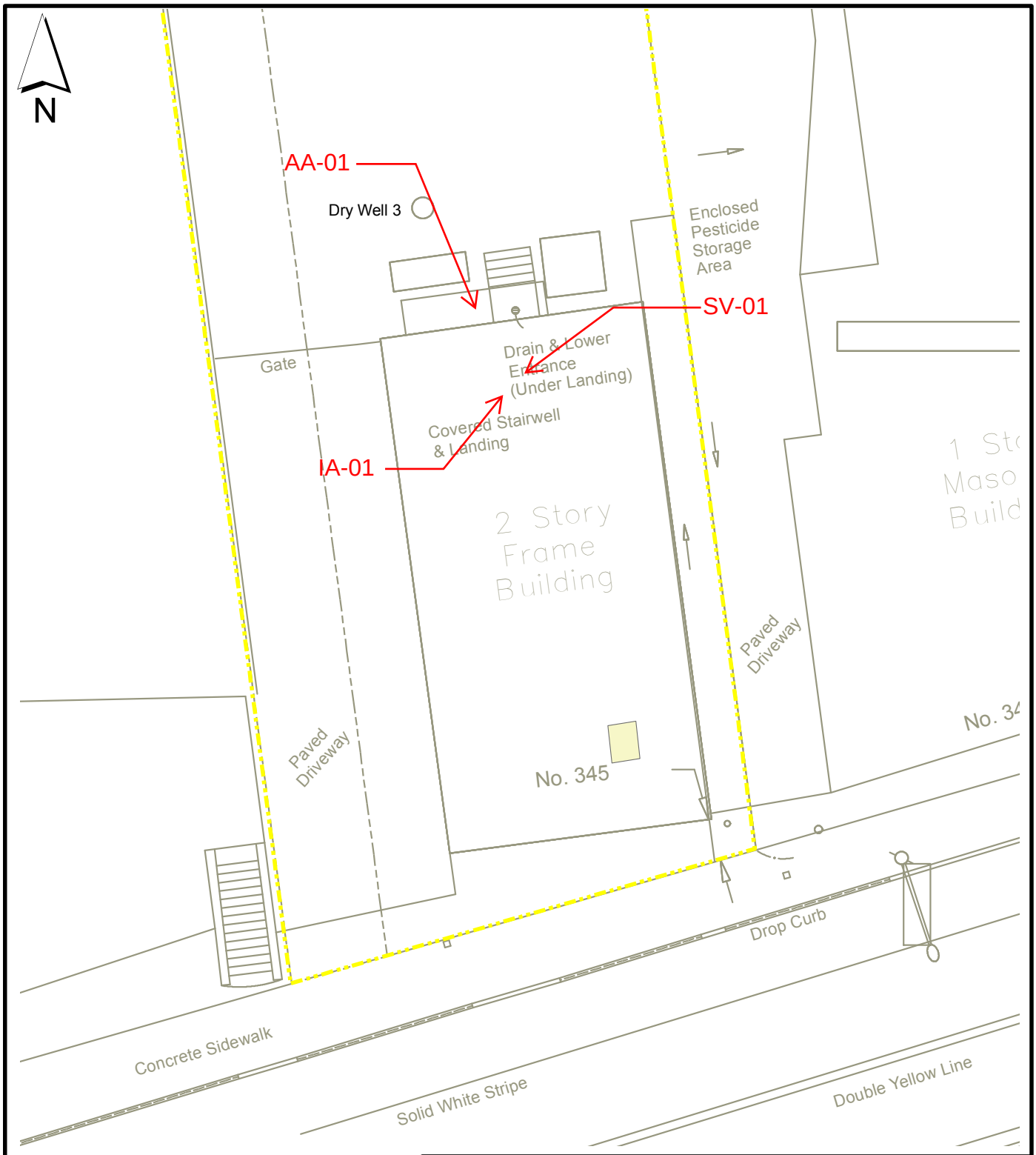
ND – non-detect

FIGURE 5f

4,4'-DDD Trend Plot
All Site Monitoring Wells
(April 2015 – December 2023)

BARTLETT TREE EXPERTS
345 UNION AVENUE
WESTBURY, NY

Brown AND Caldwell



Legend

- Approximate Location of Mechanics Pit
- Site_Boundary

0 15 30 Feet

FIGURE 6
LOCATIONS OF SVI SAMPLES
DECEMBER 12, 2023

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

DATE
January 2024

PROJECT NUMBER
195350

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 7

EXTENT OF REMEDIAL EXCAVATIONS AND REMAINING SOIL CONTAMINATION

BARTLETT TREE COMPANY SITE
WESTBURY, NEW YORK

DATE: February 2023
PROJECT NUMBER: 158388

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

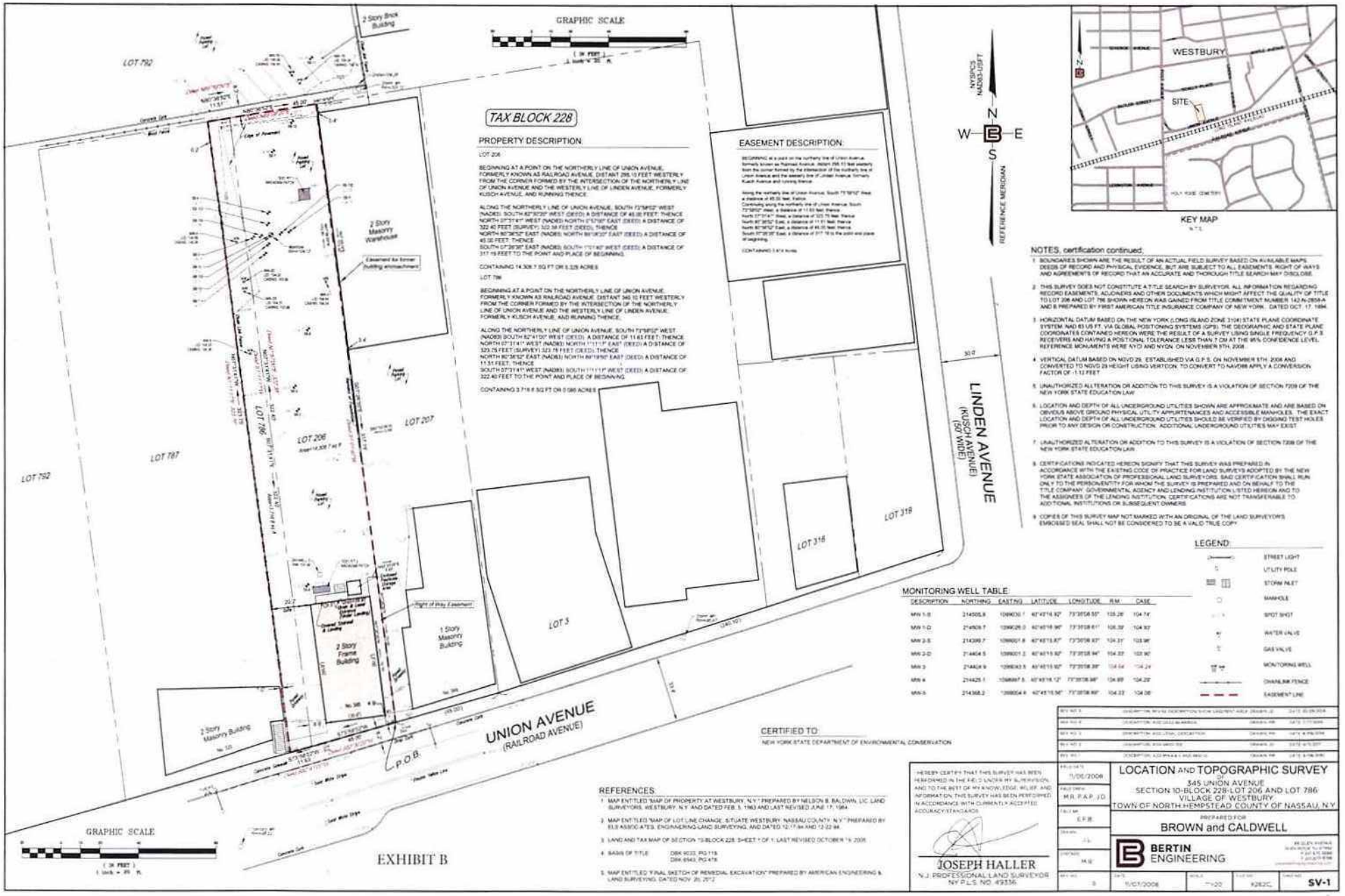
Not Applicable/No EC's

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	1096630.1	40°43'16.92"	73°35'58.55"	105.28	104.74'
MW 1-D	214509.7	1096626.0	40°43'16.96"	73°35'58.61"	105.39'	104.93'
MW 2-S	214399.7	1096601.8	40°43'15.87"	73°35'58.93"	104.31'	103.96'
MW 2-D	214404.5	1096601.2	40°43'15.92"	73°35'58.94"	104.33'	103.90'
MW 3	214404.9	1096563.5	40°43'15.92"	73°35'59.39"	104.54'	104.24'
MW 4	214425.1	1096667.5	40°43'16.12"	73°35'58.38"	104.89'	104.29'
MW 5	214368.2	1096654.9	40°43'15.56"	73°35'58.49"	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 15, 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. 25, 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 ADDED AS MARKED	DRAWN BY: MR	DATE: 4/16/2009
REV. NO. 2	DESCRIPTION ADDED AS MARKED	DRAWN BY: JD	DATE: 4/15/2009
REV. NO. 1	DESCRIPTION ADDED PHASE II AS MARKED	DRAWN BY: MR	DATE: 3/16/2009

FIELD DATE:	11/05/2008
FIELD CREW:	M.R. P.A.P. J.D.
FIELD BK:	E.F.B.
DRAWN:	J.D.
CHECKED:	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.
0	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

Ramsey, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-3
Sample I.D.: MW-3-F/UF-20230222 (if different from well no.)

Project: ~~BASF - Toms River~~ Bartlett Tree
Personnel: MHM / AFN

Date: 02/25/23 Time: 1021
Weather: Cloudy Air Temp.: 43

WELL DATA:

Casing Diameter: 6" ☐ Stainless Steel ☑ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☑ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: _____ ft Bottom of Well: _____ ft
DATUM: ☐ Top of Protective Casing ☑ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☑ No Is well clean to bottom? ☑ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☑ Yes ☐ No
Does Weep Hole adequately drain well head? ☑ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☑ Yes ☐ No
Is Padlock Functional? ☑ Yes ☐ No ☐ NA Is Inner Casing Intact? ☐ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☑ Yes ☐ No
VOLUME OF WATER: Standing in well: _____ To be purged: _____

PURGE DATA:

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

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

Pumping Rate: 250 ml/min Elapsed Time: 33 min Volume Pumped: 2.6 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-F/UF-20230222 (MS/MSD)

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

Signature: _____ Date: 10/22/23

Brown AND Caldwell
500 North Franklin Tpk, Ramsey, NJ 07446
Phone: (201) 574-4700 Fax: (201) 236-1607

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

Project Name: ~~BASF - Toms River~~ Bartlett Tree
Project Number: ~~156416~~ 158380
Client: ~~BASF~~
Date: 02/22/23
Personnel: MM/TF
Well ID: MW-3
Purge/Sample Depth: 14'
Sample ID: MW-3-20230222 F/UF

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1026	5.76	13.97	0.451	3.50	76.5	171	34.46	250	UF=5.37 NTU
1029	5.97	14.60	0.427	3.31	90.1	160	34.48		
1032	6.11	14.93	0.398	3.53	105	161	34.49		
1035	6.13	14.98	0.388	3.67	100	163	34.50		
1038	6.17	15.02	0.371	3.95	94.1	166	34.51		F=1.62 NTU
1041	6.22	15.04	0.355	4.21	64.2	169	34.52		
1044	6.22	15.08	0.348	4.22	39.8	171	34.52		
1047	6.24	15.07	0.344	4.40	26.5	175	34.53		
1050	6.24	15.09	0.343	4.62	23.2	178	34.52		
1053	6.23	15.10	0.343	4.44	15.5	180	34.51		
1056	6.24	15.11	0.341	4.43	10.9	181	34.53		
1059	6.26	15.12	0.341	4.41	5.9	184			
1102		Collect MW-3 UF - 20230222							
1107		Collect MW-3 F - 20230222							
		+ MS / MSD							

Certified Sample Information:
Time of Sample: 1102 / 1107
Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: 7TLL703
Serial No. Handheld: XLAR10FB
Calibration Date/Time: 02/22/23

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-20230222 (if different from well no.)

Project: Bachelet Tree

Personnel: MHM / AFV

Date: 02/22/23 Time: 1206

Weather: Cloudy Air Temp.: 43

WELL DATA:

Casing Diameter: 6" ☐ Stainless Steel ☑ Steel ☐ PVC ☐ Teflon® ☐ Other: _____

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

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

DATUM: ☐ Top of Protective Casing ☑ Top of Well Casing ☐ Other:

CONDITION: Is Well clearly labeled? ☐ Yes ☑ No Is well clean to bottom? ☑ Yes ☐ No

Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☐ Yes ☐ No

Does Weep Hole adequately drain well head? ☐ Yes ☑ No

Is Concrete Pad Intact? (not cracked or frost heaved) ☐ Yes ☐ No

Is Padlock Functional? ☐ Yes ☐ No ☑ NA Is Inner Casing Intact? ☑ Yes ☐ No

Is Inner Casing Properly Capped and Vented? ☑ Yes ☐ No

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

PURGE DATA:

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

MATERIALS: Pump/Bailer: ☐ Teflon® ☑ Stainless Steel ☐ PVC ☐ Other: _____

Tubing/Rope: ☐ Teflon® ☐ Polyethylene ☐ Polypropylene ☐ Other: _____

Pumping Rate: 250 mL/min Elapsed Time: 30 min Volume Pumped: 2.5 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: Dup-UF/F-20230222

MS/MSD : ☑ No ☐ Yes Name: _____

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

Signature: _____ Date: 02/22/23

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: BARRELL Ave
Client: BC
Personnel: MM / AFV
Purge/Sample Depth: ~39.5

Project Number: 158386
Date: 02/22/23
Well ID: MW-4
Sample ID: MW-4-UF/F-20230222

Actual Time	Certified Parameters: pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
1206	6.71	15.69	1.01	3.47	113	27	34.65	256	UF = 2.24 NT
1209	6.68	14.09	1.11	3.43	89.7	52	34.64		
1212	6.62	14.41	1.12	3.50	45.1	72	34.64		
1215	6.60	14.51	1.11	3.60	26.7	79	34.64		F = 1.04 NT
1218	6.59	14.65	1.16	3.68	1.9	95	34.63		
1221	6.59	14.75	1.10	3.64	0.0	102	34.64		
1224	6.59	14.64	1.10	3.61	0.0	107	34.64		
1227	6.58	14.65	1.10	3.65	0.0	112	34.65		
1230	6.58	14.63	1.16	3.69	0.0	117	34.65		
1233	6.58	14.68	1.10	3.69	0.0	120	34.65		
1236	6.59	14.67	1.10	3.64	0.0	121	34.65		
1239			Collect	MW-4-UF-20230222				9998	
1244			Collect	MW-4-F-20230222				9999	

+ MS/MSD

Certified Sample Information:
Time of Sample: 1239 + 1244
Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: 777L703
Serial No. Handheld: XLAR10FB
Calibration Date/Time: 02/22/23

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-FInf-20230225 (If different from well no.)

Project: Bartlett Tree

Personnel: MMM / AEV

Date: 02/22/23 Time: 1124

Weather: Cloud Air Temp.: 43

WELL DATA:

Casing Diameter: 6" ☐ Stainless Steel ☑ Steel ☐ PVC ☐ Teflon® ☐ Other: _____

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

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

DATUM: ☐ Top of Protective Casing ☑ Top of Well Casing ☐ Other:

CONDITION: Is Well clearly labeled? ☐ Yes ☑ No Is well clean to bottom? ☐ Yes ☐ No

Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☐ Yes ☐ No

Does Weep Hole adequately drain well head? ☐ Yes ☐ No

Is Concrete Pad Intact? (not cracked or frost heaved) ☑ Yes ☐ No

Is Padlock Functional? ☐ Yes ☐ No ☑ NA Is Inner Casing Intact? ☐ Yes ☐ No

Is Inner Casing Properly Capped and Vented? ☐ Yes ☐ No

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

PURGE DATA:

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

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

Pumping Rate: 250 mL/min Elapsed Time: 30 min Volume Pumped: 250 mL

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: 02/22/23

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: ~39.5

Project Number: 158388
Date: 02/22/23
Well ID: MW-5
Sample ID: MW-5-FILT-20230222

Actual Time	Certified Parameters: pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
1124	6.37	13.97	0.652	6.11	424	135	34.45	250	HF = 17.3 NTU
1127	6.49	14.25	0.592	0.05	292	72	34.47		
1130	6.61	14.94	0.547	0.00	125	36	34.49		
1133	6.60	15.06	0.519	0.00	104	17	34.50		
1136	6.60	15.17	0.490	0.00	48.3	-15	34.49		F = 1.58 NTU
1139	6.61	15.20	0.456	3.65	31.3	-26	34.49		
1142	6.61	15.22	0.442	2.92	22.2	-24	34.48		
1145	6.60	15.23	0.416	2.03	23.1	-33	34.50		
1148	6.60	15.23	0.399	1.71	24.9	-30	34.50		
1151	6.60	15.23	0.382	1.57	26.7	-28	34.50		
1154	6.58	15.24	0.369	1.46	24.4	-25	34.50		
1157		Collect		MW-5-FILT		-20230222			
1202		Collect		MW-5-F		-20230222			

Certified Sample Information:
Time of Sample: 1157 + 1202

Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba U-52
Serial No. Unit: 777L703
Calibration Date/Time: 02/22/23
Serial No. Handheld: XLAR10FB

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
Sample I.D.: MW-2D-UFF-20230221 (if different from well no.)

Project: Barnett Tool
Personnel: MHM/AFV

Date: 02/21/23 Time: 1250
Weather: Cloudy Air Temp.: 43

WELL DATA:

Casing Diameter: 6" ☐ Stainless Steel ☐ Steel ☐ PVC ☐ Teflon® ☐ Other: ____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☑ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: ____ ft Bottom of Well: ____ ft
DATUM: ☐ Top of Protective Casing ☐ Top of Well Casing ☐ Other:
CONDITION: Is Well clearly labeled? ☐ Yes ☑ No Is well clean to bottom? ☑ Yes ☐ No
Is Prot. Casing/Surface Mount in Good Cond.? (not bent or corroded) ☑ Yes ☐ No
Does Weep Hole adequately drain well head? ☐ Yes ☐ No
Is Concrete Pad Intact? (not cracked or frost heaved) ☑ Yes ☐ No
Is Padlock Functional? ☐ Yes ☐ No ☐ NA Is Inner Casing Intact? ☑ Yes ☐ No
Is Inner Casing Properly Capped and Vented? ☑ Yes ☐ No
VOLUME OF WATER: Standing in well: ____ To be purged: ____

PURGE DATA:

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

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

Pumping Rate: 250 mL/min Elapsed Time: 30 min Volume Pumped: 2.5 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: ~~DUP-UFF-20230221~~
MS/MSD : ☐ No ☐ Yes Name: ____

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

Signature: ____ Date: 02/22/23

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: Barrett Tree
Client: BC
Personnel: MM/JFV
Purge/Sample Depth: ~68.5'

Project Number: 158382
Date: 02/22/23
Well ID: MW-2D
Sample ID: MW-2D-UF/F-20230222

Actual Time	Certified Parameters: pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)	ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
1250	7.64	13.41	0.433	8.57	112	92	35.81	250	UF=16.9 NT
1253	8.50	13.79	0.475	8.00	96.3	80	35.84		
1256	8.50	13.92	0.492	8.00	85.2	73	35.88		
1259	8.70	14.10	0.514	8.00	72.9	67	35.92		
1302	8.61	14.13	0.559	8.00	70.2	66	35.95		F=2.05 NT
1305	8.48	14.16	0.607	8.00	68.4	66	35.95		
1308	8.32	14.19	0.629	8.00	51.2	66	35.97		
1311	8.12	14.20	0.685	8.00	43.7	65	35.98		
1314	8.03	14.20	0.703	8.00	32.4	65	35.99		
1317	7.99	14.22	0.705	8.00	23.3	64	35.99		
1320	7.98	14.20	0.705	8.00	24.4	63	35.99		
1332		Collect MW-2D-UF-20230222							
1338		Collect MW-2D-F-20230222							

Certified Sample Information:
Time of Sample: 1333 + 1338
Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba-U52
Serial No. Unit: 77LL765
Calibration Date/Time: 02/22/23
Serial No. Handheld: XLAR10FB

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-3
Sample I.D.: MW-3-UF/F-20231212

Project: Bartlett Tree
Personnel: JC / MHM

Date: 12/12/23 Time: 0852
Weather: Sunny Air Temp.: 36°F

WELL DATA:

Casing Diameter: N/A ☐ Stainless Steel ☐ Steel ☐ PVC ☐ Teflon® ☐ Other: ____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☑ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 33.55 ft Bottom of Well: 47.05 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: 250 ML/min Elapsed Time: 36 min Volume Pumped: 2.2 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: _____
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-UF/F-20231212 (MS/MSD)

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

Signature: _____ Date: 12/12/2023

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: JL / MHM
Purge/Sample Depth: 2.35'

Project Number:
Date: 12/12/23
Well ID: MW-3
Sample ID: MW-3-UF/F-20231212

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0852	5.70	13.65	0.403	5.97	23.2	289	33.85	250	UF=2.37 NTU
0855	6.09	13.02	0.376	6.23	44.6	285	33.90		
0858	6.13	13.47	0.370	6.23	75.3	284	33.90		
0901	6.10	13.66	0.366	6.20	57.0	286	33.88		
0904	6.14	13.67	0.366	6.33	35.9	287	33.86		F=0.13 NTU
0907	6.14	13.60	0.368	6.27	23.6	284	33.86		
0910	6.09	13.59	0.368	6.47	19.2	289	33.86		
0913	6.08	13.65	0.368	6.36	13.0	286	33.86		
0916	6.15	13.66	0.368	6.57	10.4	287	33.86		
0919	6.11	13.72	0.372	6.34	7.3	283	33.87		
0922	6.14	13.80	0.371	6.49	6.4	281	33.89		
0925	6.09	13.76	0.373	6.28	4.4	280	33.90		
0928	6.06	13.82	0.375	6.51	2.8	286	33.90		
0931	Collect	MW-3-UF-20231212 + MS/MSD							
0936	Collect	MW-3-F-20231212 + MS/MSD							

Certified Sample Information:
Time of Sample: 0931 + 0936
Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba U-5000
Serial No. Unit: HLAN5668
Serial No. Handheld: SWSH JD02
Calibration Date/Time: 12/12/23 0840

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-FIVF-20231212

Project: Bartlett Tree
Personnel: JC / MH / M

Date: 12/12/23 Time: 1100
Weather: Sunny Air Temp.: 41°F

WELL DATA:

Casing Diameter: MA ☐ Stainless Steel ☐ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☑ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 34.08 ft Bottom of Well: 42.71 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: 250 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: _____
APPEARANCE: ☑ Clear ☐ Turbid ☐ Color: _____ ☐ Contains Immiscible Liquid
FIELD DETERMINATIONS: See attached form for field parameter data.

DUP : ☐ No ☑ Yes Name: DUP-20231212-FIVF
MS/MSD : ☑ No ☐ Yes Name: _____

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

Signature: _____ Date: 12/12/23

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: Doralet Tree
Client: BC
Personnel: JL/MH
Purge/Sample Depth: 23.6'

Project Number:
Date: 12/12/23
Well ID: MW-4
Sample ID: MW-4-F/UF-20231212

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1100	6.16	13.04	0.431	9.12	152	203	34.04	250	UF = 3.57 NTU
1103	6.20	13.37	0.487	4.79	61.5	203	34.09		F = 2.41 NTU
1106	6.18	13.46	0.504	4.84	42.7	205	34.09		
1109	6.19	13.52	0.522	4.79	32.4	206	34.09		
1112	6.20	13.61	0.545	4.86	26.1	207	34.09		
1115	6.18	13.63	0.550	4.89	20.3	209	34.04		
1118	6.20	13.64	0.570	5.00	17.3	212	34.10		
1121	6.22	13.60	0.578	5.08	15.5	210	34.10		
1124	6.20	13.61	0.584	5.11	13.4	214	34.11		
1127	6.20	13.62	0.591	5.13	12.7	214			
1130	6.21	13.62	0.595	5.20	10.2	213	34.11		
1133	collect	MW-4-UF-20231212 + DUP-20231212-UF							
1138	collect	MW-4-F-20231212 + DUP-20231212-F							

12/12

Certified Sample Information:
Time of Sample: 1133 + 1138
Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba U-5000
Serial No. Unit: 1HLANSLC8
Serial No. Handheld: SWSHJDOQ
Calibration Date/Time: 12/12/23 0840

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.:

Project: Bartlett Tree
Personnel: JC/MJM

Date: 12/12/23 Time: 0958
Weather: Sunny Air Temp.: 36°F

WELL DATA:

Casing Diameter: N/A ☐ Stainless Steel ☐ Steel ☐ PVC ☐ Teflon® ☐ Other: ____
Intake Diameter: 2 ☐ Stainless Steel ☐ Galv. Steel ☑ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 33.96 ft Bottom of Well: 43.03 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: 300 mL/m Elapsed Time: 30 min Volume Pumped: 2.75 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: 12/12/23

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: JL / MHM
Purge/Sample Depth: 23.6'
Project Number:
Date: 12/12/23
Well ID: MW-5
Sample ID: ~~MW-5-2023-F/UF-DUP~~ MW-5-F/UF-DUP/TIC

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
0958	6.16	13.82	0.252	2.59	97.7	195	34.02	300	UF = 55.9 NTU
1001	6.15	14.21	0.254	2.68	82.7	185	34.04		
1004	6.06	14.35	0.249	2.71	54.0	178	34.05		F = 3.46 NTU
1007	6.09	14.38	0.244	2.64	43.9	167	34.06		
1010	6.10	14.36	0.239	2.62	35.6	158	34.08		
1013	6.09	14.39	0.236	2.65	30.0	145	34.10		
1016	6.09	14.38	0.235	2.65	28.2	131	34.11		
1019	6.09	14.42	0.236	2.69	25.1	126	24.11		
1022	6.09	14.44	0.239	2.77	22.5	114	24.11		
1025	6.08	14.41	0.246	3.41	21.0	116	24.11		
1028	6.08	14.45	0.250	2.98	19.3	107	34.11		
1031	Collect	MW-5	-UF	-20231212					
1036	Collect	MW-5	-F	-20231212					

MHM 12/12

Certified Sample Information:
Time of Sample: 1031 + 1036
Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba U-500
Serial No. Unit: 1TLANSL68
Serial No. Handheld: 5W5HJD0Q
Calibration Date/Time: 12/12/23 0840

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

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

Brown AND Caldwell

Upper Saddle River, NJ Office

LOW-FLOW GROUNDWATER SAMPLING FIELD DATA

Well Number: MW-20
Sample I.D.: MW-20-F/UF - 20231212

Project: Bartlett Tree
Personnel: JC / MHM

Date: 12/12/23 Time: 1217
Weather: Sunny Air Temp.: 42°F

WELL DATA:

Casing Diameter: N/A ☐ Stainless Steel ☐ Steel ☐ PVC ☐ Teflon® ☐ Other: _____
Intake Diameter: 2" ☐ Stainless Steel ☐ Galv. Steel ☑ PVC ☐ Teflon® ☐ Open rock
DEPTH TO : Static Water Level: 34.84 ft Bottom of Well: 72.60 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: 250 mL/m 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: _____
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: 12/12/23

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: Barrett Tree
Client: BC
Personnel: JC / MHM
Purge/Sample Depth: ~64'

Project Number:
Date: 12/12/23
Well ID: MW-2D
Sample ID: MW-2D-F/UF-20231212

Actual Time	Certified Parameters					ORP (mV)	DTW (ft)	Pumping Rate (mL/min)	Comments
	pH	Temp (°C)	Cond (mS/cm)	DO (mg/L)	Turbidity (NTU)				
1217	7.40	12.08	0.431	4.44	34.2	217	35.30	250	31.5 = NTU UF
1220	7.55	12.25	0.455	3.23	21.4	209	35.30		
1223	7.63	12.40	0.459	2.92	14.4	206	35.30		1.19 = NTU = F
1226	7.65	12.55	0.443	2.79	10.6	204	35.30		
1229	7.66	12.59	0.444	2.68	8.9	203	35.29		
1232	7.65	12.60	0.445	2.70	8.7	202	35.29		
1235	7.66	12.64	0.446	2.70	7.7	201	35.30		
1238	7.68	12.69	0.446	2.62	8.3	201	35.30		
1241	7.68	12.74	0.448	2.57	9.8	200	35.30		
1244	7.69	12.70	0.449	2.61	9.6	198	35.30		
1247	7.64	12.67	0.451	2.41	11.1	194	35.30		
1250	Collect MW-2D-UF-20231212								
1255	Collect MW-2D-F-20231212								

Certified Sample Information:
Time of Sample: 1250 + 1255
Analyst Signature:

Instrument Data:
Manufacturer/Model: Horiba U-5000
Serial No. Unit: 11LAN5166
Calibration Date/Time: 12/12/23, 0840
Serial No. Handheld: SWSH7D0Q

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)

Brown AND Caldwell : LABORATORY DATA VERIFICATION AND VALIDATION FORM

1. PROJECT INFORMATION

Date: 3/7/2023

Report Number: J116613-1 **Project Name/Client:** Barlett Tree Site

Project Number: 158388 **Laboratory:** Eurofins Lancaster Laboratories

Project Manager: Brian Taylor **Sampler(s):** MWH

2. SAMPLE INFORMATION

Purpose of Sampling: Site monitoring **Sample Date(s):** 02/22/2023

Total number of samples: 12

[X]	Groundwater	[ ]	Drinking Water	[ ]	Soil	[ ]	Air	[ ]	Field Blank	[ ]	Trip Blank
[ ]	Surface Water	[ ]	Wastewater	[ ]	Sediment	[ ]	Soil Gas	[ ]	Equipment Blank	[ ]	Other

Analyses Requested: 8081B Pesticides

Laboratory Limit Requested: RL

Method Detection Limit (MDL), Reporting Limit (RL), Practical Quantitation Limit (PQL), etc.)

3. DATA VERIFICATION

[✔] **Yes** [ ] **No** [ ] **NA** **Was the Chain of Custody intact (missing signatures, samples, dates/times, etc.)?**
Notes: No issues to report

[ ] **Yes** [ ] **No** [✔] **NA** **Were custody seals intact on sample bottles and/or coolers as necessary?**
Notes: No issues to report

[✔] **Yes** [ ] **No** [ ] **NA** **Were cooler temperatures within the acceptable range per method requirements?**
Notes: No issues to report

[✔] **Yes** [ ] **No** [ ] **NA** **Were samples physically and chemically preserved properly (headspace, pH, etc.)?**
Notes: No issues to report

[✔] **Yes** [ ] **No** [ ] **NA** **Was the case narrative included, if applicable?**
Notes: No issues to report

[✔] **Yes** [ ] **No** [ ] **NA** **Were all samples labeled, analyzed, and reported correctly?**
If no, call lab immediately to verify. Notes: No issues to report

[✔] **Yes** [ ] **No** [ ] **NA** **Were all samples extracted and/or analyzed within method holding time?**
Notes: No issues to report

[✔] **Yes** [ ] **No** [ ] **NA** **Were appropriate analytes and methods reported?**
Notes: No issues to report

[ ] **Yes** [ ] **No** [✔] **NA** **Were soil and/or sediment concentrations reported as dry weight?**
If no, call PM and lab immediately to verify. Notes: No issues to report

[ ] **Yes** [ ] **No** [✔] **NA** **If analyzed for the following analytes, were the following true for all analytes?**

[ ] Yes [ ] No [ ] NA TOC > DOC [ ] Yes [ ] No [ ] NA Total Metals > Dissolved Metals

[ ] Yes [ ] No [ ] NA COD > BOD [ ] Yes [ ] No [ ] NA TKN > Organic Nitrogen or Ammonia

If no, call lab immediately to verify. Notes: No issues to report

[✔] **Yes** [ ] **No** [ ] **NA** **Were MDLs, PQLs, RLs, and/or dilution factors appropriate?**
If no, call lab immediately to verify. Notes: No issues to report

[✔] **Yes** [ ] **No** [ ] **NA** **For J-flag reports, were all target analytes below the PQL/RL appropriately qualified?**
If no, call lab immediately to verify. Notes: No issues to report

[✔] **Yes** [ ] **No** [ ] **NA** **Were any field duplicates collected?**
Notes: Comment 1

Initials: KMD

Brown AND Caldwell | **LABORATORY DATA VERIFICATION AND VALIDATION FORM**

4. DATA VALIDATION (Refer to data verification and validation guidelines, as applicable) **Report No:** J116613-1

- ☑ **Yes** ☐ **No** **Were surrogate recoveries within acceptable control limits?**
  Notes: Comment 2
- ☐ **Yes** ☑ **No** **Were equipment, field, trip, and/or laboratory blanks free of target analyte detections?**
  Notes: Comment 3
- ☑ **Yes** ☐ **No** **Were any laboratory control samples (LCS) or blank spikes (BS) reported?**
  Notes: No issues to report
- ☑ **Yes** ☐ **No** **Were any matrix spikes/matrix spike duplicates (MS/MSD) reported for project samples?**
  Notes: Comment 4
- ☐ **Yes** ☑ **No** **Were any laboratory duplicates reported for project samples?**
  Notes: No issues to report
- ☑ **Yes** ☐ **No** **Was further laboratory QC provided? (serial dilutions, calibration or internal standards, etc.)**
  Notes: Comment 5

5. COMMENTS AND SUMMARY OF ACTIONS (Attach additional pages if necessary) ☐ **There were no comments for this report.**

Comment 1: DUP-UF-20230222 = MW-4-UF-20230222, DUP-F-20230222 = MW-4-F-20230222

DUP-UF-20230222 is the sample duplicate for MW-4-UF-20230222. All RPDs were within control limits. Both parent and duplicate concentrations were below two times the RL and no data qualification is required.

DUP-F-20230222 is the sample duplicate for MW-4-F-20230222. All RPDs were within control limits. Both parent and duplicate concentrations were below two times the RL with the exception of Dieldrin. No data qualification is required.

Comment 2: The surrogates DCB decachlorobipheny and tetrachloro-m-xylene percent recoveries for samples MW-5-UF-20230222 and MW-5-F-20230222 were below control limits. Associated sample detections are qualified as estimated, J, and non-detections are qualified as estimated with limited detection, UJ, reason code 3L.

Comment 3: The method blank had a detection of BHC, beta and Heptachlor. Associated sample analytes less than five times the method blank detection are qualified as estimated with limited detection, UJ, the MDL is raised to the sample concentration, and the RL is raised, never lowered, to five times the blank detection, reason code 7. Non-detections are not qualified.

Comment 4: The MS/MSD RPDs for sample MW-3-F-20230222 were above control limits for Heptachlor epoxide and Endrin aldehyde. Associated sample detections are qualified as estimated, J, reason code 5.

Comment 5: The primary and confirmation analyses percent difference was above control limits. The lower concentration is considered reportable and is qualified as estimated, J, and non-detections are qualified as estimated with limited detection, UJ, reason code P.

Kelly Donahue — **Signature of Data Validator(s)**

BFT — **Reviewer Initials**

Initials: KMD

6. ANALYTICAL DATA USABILITY ASSESSMENT

The analytical data quality assessment (Sections 1-4) is used evaluate whether analytical data points are scientifically valid and defensible, and of a sufficient level of precision, accuracy, and sensitivity to support project goals. The purpose of this Analytical Data Usability Assessment is to evaluate how any analytical variances noted during the data quality assessment could affect the usability of the data. The following were evaluated and reviewed in the course of conducting this usability assessment:

Report Completeness
Sample Temperatures/Preservation/Holding Times
Initial and Continuing Calibration
Laboratory Method Blanks
Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) Recoveries
Internal Standard Recoveries
Surrogate Recoveries
Matrix Spike (MS) and Matrix Spike Duplicates (MSD)
Field Duplicate Precision
Laboratory Duplicate Precision
Reporting Limits
Reported Non-conformances

Samples were collected on February 22, 2023 and submitted for analysis using methods listed below and described in the following documents:
Test Methods for Evaluating Solid Waste – Physical/Chemical Methods, SW-846, EPA Third Edition, November 1986; Update IVB, March 2009, and Methods: Pesticides (8081B)

All data are usable with the following qualifications:

The surrogates DCB decachlorobipheny and tetrachloro-m-xylene percent recoveries for samples MW-5-UF-20230222 and MW-5-F-20230222 were below control limits. The samples are likely biased low.

The method blank had a detection of BHC, beta and Heptachlor. The associated samples MW-2D-UF-20230222, MW-5-UF-20230222 and MW-5-F-20230222 are likely biased high.

The MS/MSD RPDs for sample MW-3-F-20230222 were above control limits for Heptachlor epoxide and Endrin aldehyde. The parent sample MW-3-F-20230222 is likely biased high.

The primary and confirmation analyses percent difference was above control limits for several samples and analytes. The samples are likely biased high.

Validation Qualifiers
The following validation qualifiers may have been applied to the data, as appropriate.

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 tested for but was not detected above the sample reporting limit.
R = The sample result is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

K. Donahue
Signature of Data Validator(s)

Reviewer Initials BFT

Initials KMD

LABORATORY DATA VERIFICATION AND VALIDATION

Sample Duplicate Comparison

PROJECT INFORMATION

Report Number:	J116613-1	Project Name/Client:	Barlett Tree Site
Project Number:	158388	Laboratory:	Eurofins Lancaster Laboratories
Project Manager:	Brian Taylor	Task/Purpose of Sampling:	Site monitoring

SAMPLE INFORMATION

Parent Sample ID:	MW-4-UF-20230222	Date/Time:	2/22/23 12:39	Matrix:	GW
Duplicate Sample ID:	DUP-UF-20230222	Date/Time:	2/22/23 12:39	Matrix:	GW

Analytes	Unit	Analytical Results[a]		Relative Percent Difference (RPD) Comparison		Reporting Limit (RL) Comparison (If Needed)					Actions Required
						MW-4-UF-20230222		DUP-UF-20230222			
		MW-4-UF-20230222	DUP-UF-20230222	RPD	Inorganics: RPD > 20%? Organics: RPD > 30%?	RL	2x RL	RL	2x RL	If RPD > Control Limit: Is either sample conc. ≥ 2X RL?	
4,4'-DDT	UG/L	0.014	*0.15*	166%	Yes	0.03	0.06	0.15	0.30	NO	No further action required
BHC, alpha	UG/L	0.098	*0.1*	2%	No	0.02	0.04	0.10	0.20		No further action required
BHC, gamma (Lindane)	UG/L	0.0039	*0.1*	185%	Yes	0.02	0.04	0.10	0.20	NO	No further action required
Chlordane, Alpha	UG/L	0.017	0.02	26%	No	0.02	0.04	0.10	0.20		No further action required
Chlordane, Beta	UG/L	0.024	*0.2*	157%	Yes	0.04	0.08	0.20	0.40	NO	No further action required
Dieldrin	UG/L	0.6	0.64	6%	No	0.03	0.06	0.15	0.30		No further action required
Endosulfan sulfate	UG/L	0.012	*0.15*	170%	Yes	0.03	0.06	0.15	0.30	NO	No further action required
Endrin	UG/L	0.018	*0.15*	157%	Yes	0.03	0.06	0.15	0.30	NO	No further action required

[a]Results in red text and italics were below reporting limits. Values are reporting limits for comparison purposes only.

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

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

Data Verification and Validation Qualifiers and Reason Codes for Level 1 and 2 Reporting For All Chemistry Parameters	
Data Qualifier	**Definition**
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 detection results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
UR	The sample non-detection results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.
Reason Code	**Definition**
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/Preservation deficiencies
A	Absence of supporting QC
B	LCS/LCSD precision outside limits
C	Co-Elution of compounds
D	Lab duplicate/replication precision outside limits
E	Value exceeds liner calibration range
F	Correlation coefficient <0.995, or not done
G	Serial dilution problem
H	High bias
I	Interferences present during analysis
K	DFTPP or BFB tuning problem for VOCs and SVOCs
L	Low bias
M	Interference check sample problem
N	Counting time error (radionuclide chemistry)
O	Post digestion spike outside of 85-115%
P	1C/2C precision outside limits
Q	Initial calibration problem
S	ICV, CCV, or column performance check problem
T	Trace level compound, poor quantitation
V	Second source standard calibration verification problem
W	Detector instability (radionuclide chemistry)
X	Internal standard recovery problem
Y	Initial or continuing calibration blank problem
Z	Retention time problem
	Green Reason Codes Indicate Common Level 2 Validation Qualifiers
	Orange Reason Codes Indicate Uncommon Level 2 Validation Qualifiers
	Blue Reason Codes will RARELY be used during Level 2 Validation, Contact Validation Lead or Laboratory if a blue reason code is used

DATA USABILITY SUMMARY REPORT
Bartlett Tree Experts

Client: Bartlett Tree Experts
SDGs: 410-154654-1
Laboratory: Eurofins Lancaster Laboratories Environment Testing, Inc.
Site: New York
Date: January 10, 2024

Client Sample ID	Laboratory Sample ID	Date Collected	Matrix
MW-3-UF-20231212	410-154654-1	12/12/2023	Water
MW-3-F-20231212	410-154654-2	12/12/2023	Water
MW-5-UF-20231212	410-154654-3	12/12/2023	Water
MW-5-F-20231212	410-154654-4	12/12/2023	Water
MW-4-UF-20231212	410-154654-5	12/12/2023	Water
MW-4-F-20231212	410-154654-6	12/12/2023	Water
MW-2D-UF-20231212	410-154654-7	12/12/2023	Water
MW-2D-F-20231212	410-154654-8	12/12/2023	Water
DUP-20231212-UF	410-154654-9	12/12/2023	Water
DUP-20231212-F	410-154654-10	12/12/2023	Water
FB-20231212-UF	410-154654-11	12/12/2023	Water
FB-20231212-F	410-154654-12	12/12/2023	Water

Data validation was performed on the analytical data for twelve (12) samples collected December 12, 2023, at the site in New York. The samples were analyzed under the Environmental Protection Agency (USEPA) The samples were analyzed under the Environmental Protection Agency (USEPA) "Test Methods for Evaluating Solid Waste Physical/Chemical SW-846 Method" described below.

Specific method references are as follows:

Analysis	Method References
Pesticides	USEPA SW-846 8081B

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

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

The following items/criteria were reviewed for this report:

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

Overall Usability Issues:

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

Chain of Custody:

- No issues were noted with the COC.

Pesticides

Holding Times and Preservation

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

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

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

Blanks

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

- All QA/QC blanks were free of contamination.

Surrogates

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

- Surrogates exhibited acceptable recoveries except for analytes presented in the following table.

Method	Sample	Surrogate	Exceedance	Qualification	Reason Code
8081B	MW-5-F-20231212	DCB (1C)	10% < %R < CL	J (Detects) UJ (NDs)	3L

- Detections reported from column 1 were qualified as estimated (J).
- Where primary and/or secondary column surrogate recoveries were within control limits and sample results are non-detect, no qualification was required.

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

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

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

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

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

- The MS and/or MSD analysis performed on sample MW-3-UF-20231212 and MW-3-F-20231212 exhibited acceptable recoveries and RPDs.

Field Duplicate Accuracy

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

- Field duplicate RPDs were acceptable for pairs MW-4-UF-20231212/DUP-20231212-UF and MW-4-F-20231212/DUP-20231212-F. Details are at the end of the report.

Initial Calibration

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

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

Continuing Calibration

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

- ICVs and CCVs were within the specified control limits.

Reporting Limits and Compound Quantitation

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

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

Method	Sample	Analyte	%D	Qualification	Reason Code
8081B	MW-5-UF-20231212	Dieldrin	> 25%	J (Detects)	P
	MW-5-F-20231212	p,p'-DDT			
	MW-4-UF-20231212	alpha-Chlordane			
		p,p'-DDD			
	MW-2D-UF-20231212	Heptachlor epoxide			
		gamma-Chlordane			
		alpha-Chlordane			
		p,p'-DDT			

		Endrin aldehyde			
		Endosulfan sulfate			
	MW-2D-F-20231212	p,p'-DDD			
		p,p'-DDT			
	DUP-20231212-UF	Heptachlor epoxide			
		alpha-Chlordane			
		p,p'-DDD			
		p,p'-DDT			

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

System Performance and Overall Assessment

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

- Overall system performance was acceptable.

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

Signed:  Dated: January 10, 2024 Peer Review: CJS

Jeffrey L. Davin
Senior Validator
Brown and Caldwell

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for but was not detected above the method detection limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

Reason Codes

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

DATA USABILITY SUMMARY REPORT
Bartlett Tree Experts

Client: Bartlett Tree Experts
SDGs: 410-154614-1
Laboratory: Eurofins Lancaster Laboratories Environment Testing, Inc.
Site: New York
Date: January 2, 2024

Client Sample ID	Laboratory Sample ID	Date Collected	Matrix
SV-1-20231212	410-154614-1	12/12/2023	Air
AA-1-20231212	410-154614-2	12/12/2023	Air
IA-1-20231212	410-154614-3	12/12/2023	Air

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

Specific method references are as follows:

Analysis	Method References
Volatile Organic Compounds (VOCs)	USEPA TO-15

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

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

The following items/criteria were reviewed for this report:

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

- Sample comments and Quality Control Summaries

Overall Usability Issues:

- Overall, the data is acceptable for the intended purposes. No data were qualified due to issues related to quality control samples.

Chain of Custody:

- No issues were noted with the COC.

Volatile Organic Compounds (VOCs)

Holding Times and Preservation

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

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

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

Blanks

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

- All QA/QC blanks were free of contamination.

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

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

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

Field Duplicate Accuracy

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

- Field duplicates were not included in this SDG.

Internal Standard Areas

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

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

Initial Calibration

The initial calibration curve is developed by plotting instrument response of analytes versus the known concentrations of analyte standards, and linearity ensures the instrument can produce

quantitative data. The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds. A maximum RSD of 20% is allowed or a correlation coefficient greater than 0.99. The RRF control limit is (0.05) or (0.01) for poor responding compounds.

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

Continuing Calibration

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

- ICVs and CCVs were within the specified control limits.

Compound Quantitation and Identification

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

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

System Performance and Overall Assessment

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

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

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

Signed:  Dated: January 2, 2024 Peer Review: CJS

Jeffrey L. Davin
Senior Validator
Brown and Caldwell

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for but was not detected above the method detection limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

Reason Codes

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

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	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*
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

clear

12/12/23	Bartlett Site Inspection + Soil Vapor Monitoring	35°
0730	BFT on-site. Setting up SVE Sampling Locations	
0750	NHA on-site w/ sampling equipment	
0810	Conduct Helium leak test at SVE-1 50% Helium In 0% Helium out	
0835	Begin IA, AA, SV Sampling	
0900	BFT off-site + return Hammer drill	
1000	BFT on-site + Conduct Annual Site Inspection.	
1201	BFT off-site	
1245	BFT on-site	
1435	Stop and Collect Sample	
1640	Patch hole	
1700	BFT off-site	

12/12/23

Bartlett 12/12/23

Indoor Air Inventory

Item / Ingredient	PID Reading 0.0 - 0.2 ppm
Gasoline Powered Equipment - Various Tools / Locations	
Non-Skid Coatings	0.6 ppm
Xylenes	
PAHs	
Anti Freeze / Coolant	0.0
White Lithium Grease	0.0
Deicer	0.0
Plant Food / Fertilizer	
Manganese	0.0
Potassium Poly Phosphate	0.0
Nitrogen	0.0
Top Soil	0.0
Gypsum Pellets	0.0
Flammables Cabinet	Outside 0.0 Inside 0.8
Diesel	
GAS	
Grease	
Engine Oil	
Hydraulic Oil	0.0

12/12/23

Brown AND Caldwell

Soil Vapor Sample Collection Field Form

Project: Bartlett Tree Project #: 195350

Date: 12/12/23 Personnel: BFT

Sample ID: AA-1-20231212

Carbon Filter ID #: N/A

Sample location: Exterior ground floor stairs Depth of sample point below grade: N/A

Rainfall: 0.0 Wind speed (mph) and direction: SW 7 mph

Start:

Time: 0835

Temperature (°C): 1

Barometric Pressure (~~mm~~in Hg): 30.14

Relative Humidity (%): 64

Flow rate: 10.7 ml/min

End:

Time: 1635

Temperature (°C): 6

Barometric Pressure (~~mm~~in Hg): 30.37

Relative Humidity (%): 47

Flow rate: 10.7 ml/min

Helium tracer test:

Tubing type used: _____ Length of tubing (cm): N/A Tubing volume (cc): _____

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

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

Weather conditions during ~~probe installation~~ Sampling:

Temperature (°C): 1 Rainfall: 0.0 Barometric Pressure (mmHG): 30.38

Wind direction: SW Wind speed (mph): 7

Comments:

Brown AND Caldwell

Soil Vapor Sample Collection Field Form

Project: Bardlett Tree Project #: 195350

Date: 12/12/23 Personnel: BPT

Sample ID: IA-1-20231212

Carbon Filter ID #: N/A

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

Rainfall: 0.0 Wind speed (mph) and direction: N/A

Start:

Time: 0836

Temperature (°C): 20

Barometric Pressure (~~mm~~Hg): 30.38

Relative Humidity (%): 64

Flow rate: 10.8 ml/min

End:

Time: 1636

Temperature (°C): 18

Barometric Pressure (~~mm~~Hg): 30.37

Relative Humidity (%): 47

Flow rate: 10.8 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: _____

Exterior Sampling Weather conditions during ~~probe installation~~:

Temperature (°C): 1 → 6° Rainfall: 0.0 Barometric Pressure (mmHG): 30.38

Wind direction: SW Wind speed (mph): 7

Comments:

Brown AND Caldwell

Soil Vapor Sample Collection Field Form

Project: Bartlett Tree Project #: 195350

Date: 12/12/23 Personnel: BFT

Sample ID: SV-1-20231212

Carbon Filter ID #: N/A

Sample location: Basement SVS-S1-S Depth of sample point below grade: 13"

Rainfall: 0 in (outside) Wind speed (mph) and direction: N/A

Start:

Time: 0836

Interior Temperature (°C): 20

Barometric Pressure (~~mm~~Hg): 30.38

Relative Humidity (%): 64

Flow rate: 10.7 ml/min

End:

Time: 1636

Temperature (°C): 18

Barometric Pressure (~~mm~~Hg): 30.37

Relative Humidity (%): 47

Flow rate: 10.7 ml/min

Helium tracer test:

Tubing type used: Polyethylene Length of tubing (cm): 94 Tubing volume (cc): 175

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

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

Exterior

Weather conditions during probe installation:

Temperature (°C): 1° Rainfall: 0.0 in Barometric Pressure (~~mm~~HG): 30.38

Wind direction: SW Wind speed (mph): 7 mph

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.



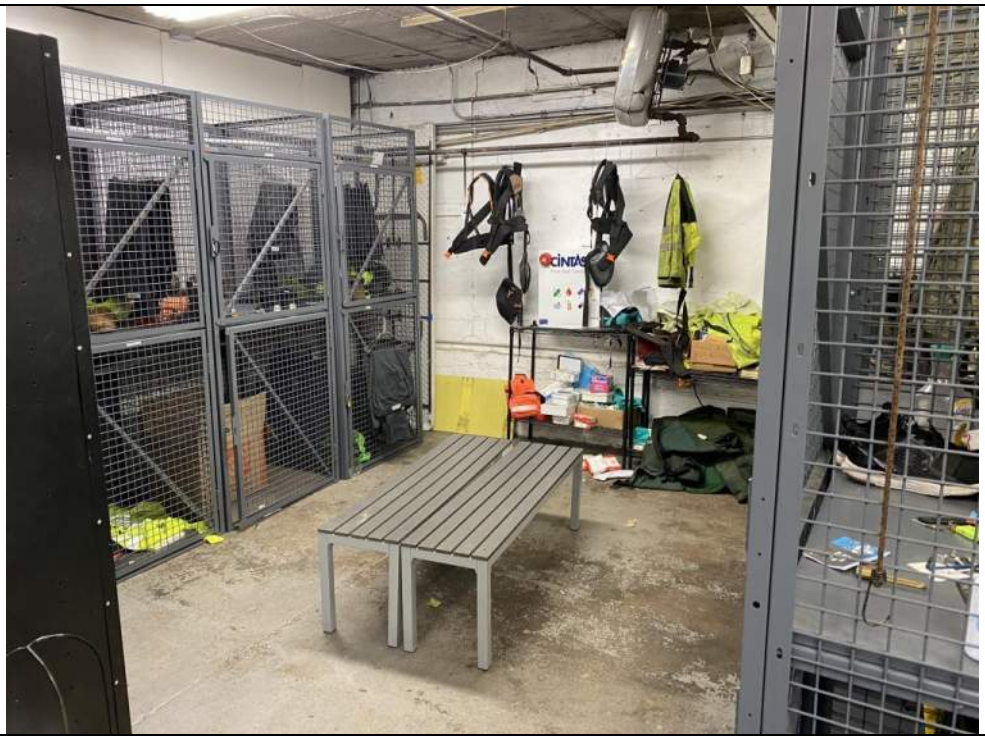
Photograph #3 – View looking north along west side of the office/garage building.



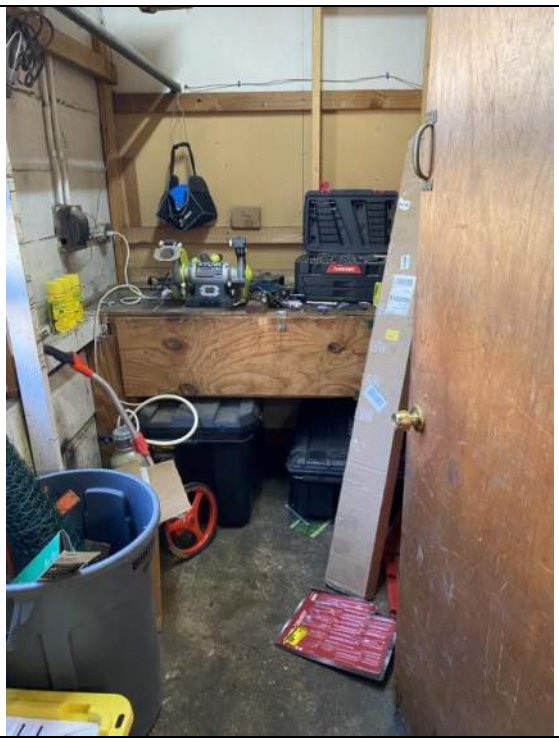
Photograph #4 – View looking southeast, north of the office/garage building. Newer secure storage locker for pesticides located at north end of the building.



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. Room used for tools and storage of gasoline-powered tree maintenance equipment.



Photograph #8 – Ground floor interior of office/garage building. Flammable storage locker for lubricants, 2-cycle gasoline mix, diesel fuel.



Photograph #9 – Ground floor interior of office/garage building. Containers of liquid and solid plant fertilizer.



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



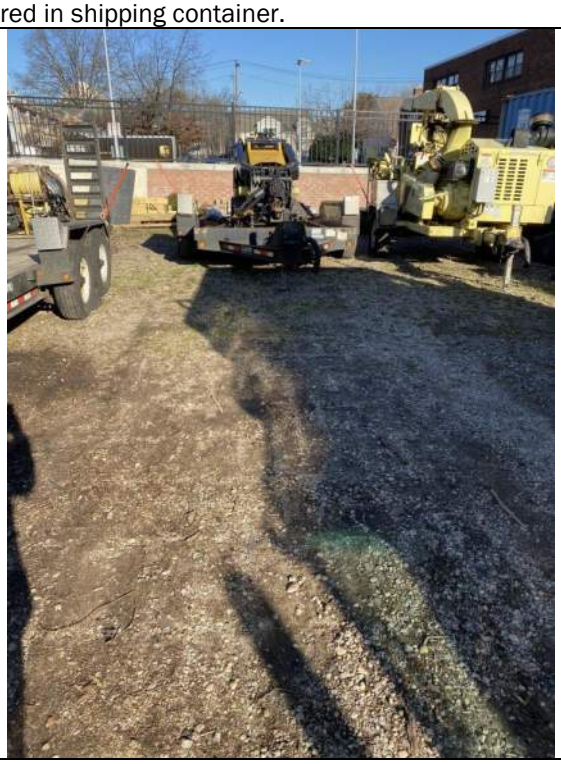
Photograph #11 – View of yard looking east along east property line. Protective concrete disc covering well vault for monitoring well MW-3.



Photograph #12 – Protective metal manhole covering well vaults MW-4 and MW-2D (foreground).



Photograph #13 –Shipping container for work tools (blue container) located at northeast end of the property – no pesticides stored in shipping container.



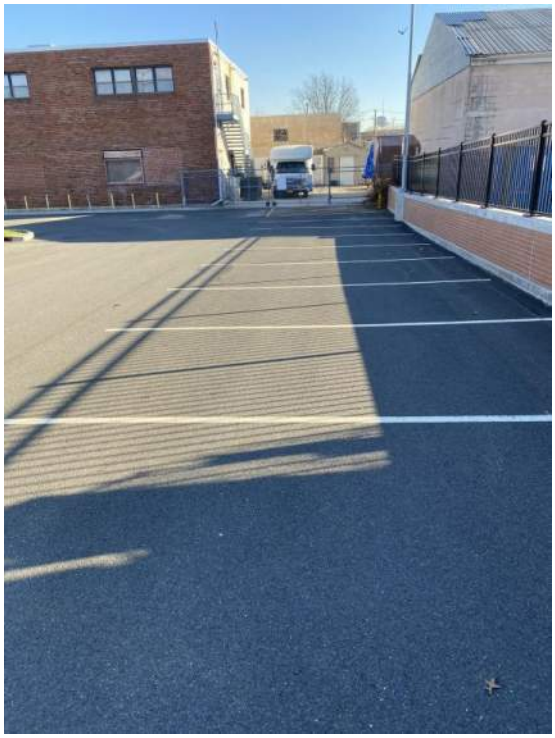
Photograph #14 -- Area of remaining subsurface soil contamination in vicinity of boring SB-7. Original ground surface covered by aggregate. During the 2008 RI, 4-4'-DDT was detected at this location above the Residential SCO but below the Commercial SCO in the sample interval from 0-2 ft. bgs (Section 3 of PRR).



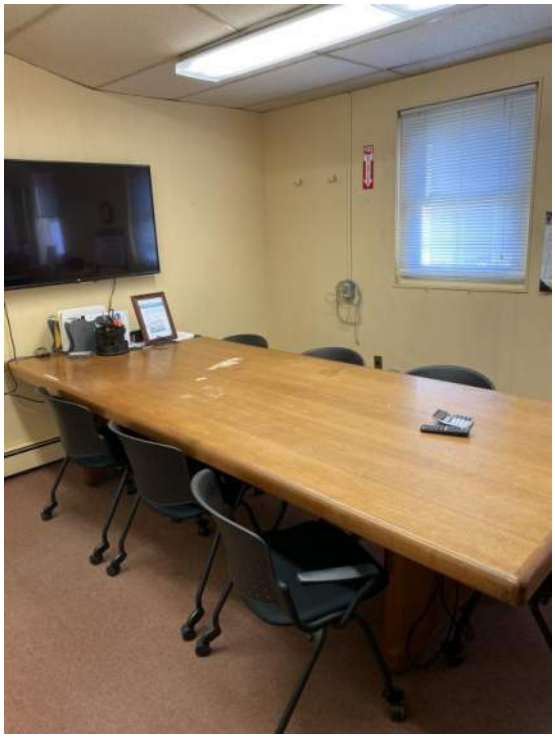
Photograph #15 – Area of remaining subsurface soil contamination in vicinity of boring SB-6. Original ground surface covered by aggregate. During the 2008 RI, mercury was detected at this location above the Residential SCO but below the Commercial SCO in the sample interval from 0-2 ft. bgs (Section 3 of PRR).



Photograph #16 – Area of remaining subsurface soil contamination, vicinity of former test pit TP-2. Area is covered by asphalt paving. During the 2008 RI, mercury was detected at this location above the Commercial SCO in the sample interval from 1-2 ft. bgs (Section 3 of PRR).



Photograph #17 – 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 #18 – Second floor interior of the office/garage building. Conference room.



Photograph #19 – Second floor interior of the office/garage building. Office area.

Appendix G: Pavement Inspection

Facility: 345 Union Ave, Westbury, NY 11590
Bartlett Tree Company Site, No. 130074
Inspected By: Whitney E. Lewis
April 2, 2023

On April 2, 2023, I inspected the existing paved and gravel surfaces for TP-2, SB-6 and SB-7 at 345 Union Ave, Westbury, New York. There were no indications of any breaches of integrity. Photos have been attached.



Photograph #1 – Area of remaining subsurface soil contamination in vicinity of boring SB-7. Original ground surface covered by aggregate.



Photograph #2 – Area of remaining subsurface soil contamination in vicinity of boring SB-6. Original ground surface covered by aggregate.



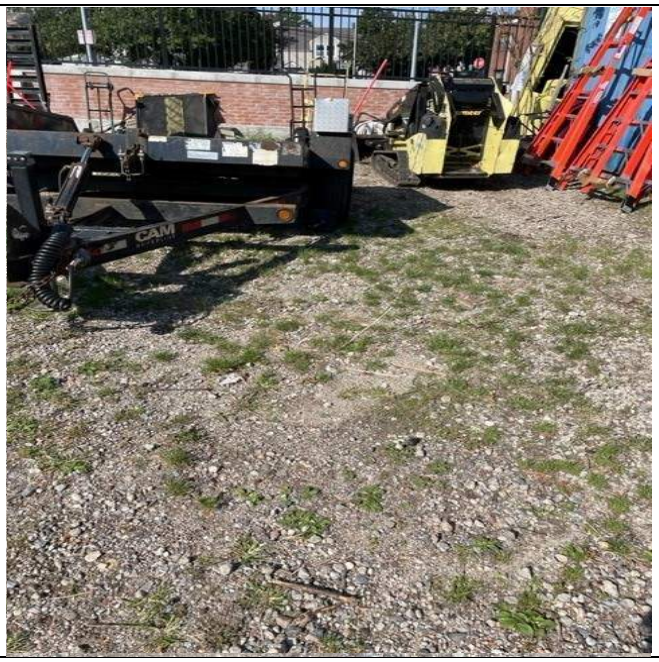
Photograph #3 – Area of remaining subsurface soil contamination, vicinity of former test pit TP-2, under wheeled trash receptacle. Area is covered by asphalt paving.

Submitted by;

Whitney E. Lewis.
Bartlett Tree Experts

Facility: 345 Union Ave, Westbury, NY 11590
Bartlett Tree Company Site, No. 130074
Inspected By: Whitney E. Lewis
October 12, 2023

On October 12, 2023, I inspected the existing paved and gravel surfaces for TP-2, SB-6 and SB-7 at 345 Union Ave, Westbury, New York. There were no indications of any breaches of integrity. Photos have been attached



Photograph #1 – Area of remaining subsurface soil contamination in vicinity of boring SB-7. Original ground surface covered by aggregate.



Photograph #2 – Area of remaining subsurface soil contamination in vicinity of boring SB-6. Original ground surface covered by aggregate.



Photograph #3 – Area of remaining subsurface soil contamination, vicinity of former test pit TP-2, under wheeled trash receptacle. Area is covered by asphalt paving.

Submitted by;

Whitney E. Lewis.
Bartlett Tree Experts

Appendix H: Analytical Data Packages

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brian Taylor
Brown and Caldwell
3 Marcus Blvd
Suite 106
Albany NY 12205

Generated 3/8/2023 10:48 AM Revision 2

JOB DESCRIPTION

Bartlett Tree Site, NY

JOB NUMBER

410-116613-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

my EOL

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

Authorization



Generated
3/8/2023 10:48 AM
Revision 2

Authorized for release by
Nicole Brown, Project Manager
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Designee for
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717 556-7264

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

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

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

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

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

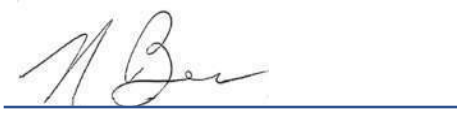


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Job Narrative
410-116613-1

REVISION
The report being provided is a revision of the original report sent on 3/5/2023. The report (revision 2) is being revised in order to remove the F1 flag from the MS MSD for gamma chlordane.

Report Revision History:
Revision 1 - 3/7/2023 - The report (revision 1) was revised to include alpha and gamma chlordane in the reported matrix spike compound list.

Receipt
The samples were received on 2/23/2023 6:00 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 2.5°C and 3.5°C

Pesticides
Method 8081B: The DCB Decachlorobiphenyl surrogate recovery for the following samples were outside control limits (low) : MW-5-UF-20230222 (410-116613-5) and MW-5-F-20230222 (410-116613-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8081B: The DCB Decachlorobiphenyl surrogate recovery for the following samples were outside control limits (low) : MW-5-UF-20230222 (410-116613-5) and MW-5-F-20230222 (410-116613-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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 Site, NY

Job ID: 410-116613-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-116613-1	MW-3-UF-20230222	Water	02/22/23 11:02	02/23/23 18:00
410-116613-2	MW-3-F-20230222	Water	02/22/23 11:07	02/23/23 18:00
410-116613-3	EB-UF-20230222	Water	02/22/23 11:45	02/23/23 18:00
410-116613-4	EB-F-20230222	Water	02/22/23 11:50	02/23/23 18:00
410-116613-5	MW-5-UF-20230222	Water	02/22/23 11:57	02/23/23 18:00
410-116613-6	MW-5-F-20230222	Water	02/22/23 12:02	02/23/23 18:00
410-116613-7	MW-4-UF-20230222	Water	02/22/23 12:39	02/23/23 18:00
410-116613-8	MW-4-F-20230222	Water	02/22/23 12:44	02/23/23 18:00
410-116613-9	MW-2D-UF-20230222	Water	02/22/23 13:33	02/23/23 18:00
410-116613-10	MW-2D-F-20230222	Water	02/22/23 13:38	02/23/23 18:00
410-116613-11	DUP-UF-20230222	Water	02/22/23 00:00	02/23/23 18:00
410-116613-12	DUP-F-20230222	Water	02/22/23 00:00	02/23/23 18:00

Detection Summary

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

Job ID: 410-116613-1

Client Sample ID: MW-3-UF-20230222 — Lab Sample ID: 410-116613-1

No Detections.

Client Sample ID: MW-3-F-20230222 — Lab Sample ID: 410-116613-2

No Detections.

Client Sample ID: EB-UF-20230222 — Lab Sample ID: 410-116613-3

No Detections.

Client Sample ID: EB-F-20230222 — Lab Sample ID: 410-116613-4

No Detections.

Client Sample ID: MW-5-UF-20230222 — Lab Sample ID: 410-116613-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (2C)	0.0075	J B cn	0.021	0.0032	ug/L	1		8081B	Total/NA
p,p'-DDT (2C)	0.025	J cn	0.032	0.0055	ug/L	1		8081B	Total/NA

Client Sample ID: MW-5-F-20230222 — Lab Sample ID: 410-116613-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (2C)	0.0043	J B cn	0.020	0.0030	ug/L	1		8081B	Dissolved

Client Sample ID: MW-4-UF-20230222 — Lab Sample ID: 410-116613-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC (2C)	0.098		0.020	0.0030	ug/L	1		8081B	Total/NA
alpha-Chlordane (1C)	0.017	J	0.020	0.0030	ug/L	1		8081B	Total/NA
Dieldrin (2C)	0.60		0.030	0.0054	ug/L	1		8081B	Total/NA
Endosulfan sulfate (1C)	0.012	J	0.030	0.0059	ug/L	1		8081B	Total/NA
Endrin (1C)	0.018	J p	0.030	0.0082	ug/L	1		8081B	Total/NA
gamma-BHC (Lindane) (1C)	0.0039	J	0.020	0.0020	ug/L	1		8081B	Total/NA
gamma-Chlordane (2C)	0.024	J	0.040	0.0071	ug/L	1		8081B	Total/NA
p,p'-DDT (2C)	0.014	J p	0.030	0.0053	ug/L	1		8081B	Total/NA

Client Sample ID: MW-4-F-20230222 — Lab Sample ID: 410-116613-8

No Detections.

Client Sample ID: MW-2D-UF-20230222 — Lab Sample ID: 410-116613-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (1C)	0.014	J	0.031	0.0055	ug/L	1		8081B	Total/NA
gamma-Chlordane (2C)	0.013	J	0.041	0.0072	ug/L	1		8081B	Total/NA
Heptachlor epoxide (2C)	0.0054	J B	0.021	0.0024	ug/L	1		8081B	Total/NA
p,p'-DDD (2C)	0.26		0.031	0.0052	ug/L	1		8081B	Total/NA
p,p'-DDE (1C)	0.077		0.031	0.0052	ug/L	1		8081B	Total/NA

Client Sample ID: MW-2D-F-20230222 — Lab Sample ID: 410-116613-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDD (2C)	0.0069	J p	0.030	0.0050	ug/L	1		8081B	Dissolved

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 410-116613-1

Client Sample ID: DUP-UF-20230222 — Lab Sample ID: 410-116613-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (1C)	0.022	J	0.10	0.015	ug/L	5		8081B	Total/NA
Dieldrin (1C)	0.64		0.15	0.027	ug/L	5		8081B	Total/NA

Client Sample ID: DUP-F-20230222 — Lab Sample ID: 410-116613-12

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 410-116613-1

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

Protocol References:

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

Laboratory References:

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

Client Sample ID: MW-3-UF-20230222
Lab Sample ID: 410-116613-1
Date Collected: 02/22/23 11:02
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.10	0.010	ug/L		03/01/23 08:04	03/02/23 17:04	5
alpha-BHC (1C)	ND		0.10	0.015	ug/L		03/01/23 08:04	03/02/23 17:04	5
alpha-Chlordane (1C)	ND		0.10	0.015	ug/L		03/01/23 08:04	03/02/23 17:04	5
beta-BHC (1C)	ND		0.15	0.056	ug/L		03/01/23 08:04	03/02/23 17:04	5
delta-BHC (2C)	ND		0.10	0.017	ug/L		03/01/23 08:04	03/02/23 17:04	5
Dieldrin (1C)	ND		0.15	0.027	ug/L		03/01/23 08:04	03/02/23 17:04	5
Endosulfan I (1C)	ND		0.10	0.022	ug/L		03/01/23 08:04	03/02/23 17:04	5
Endosulfan II (1C)	ND		0.20	0.076	ug/L		03/01/23 08:04	03/02/23 17:04	5
Endosulfan sulfate (1C)	ND		0.15	0.030	ug/L		03/01/23 08:04	03/02/23 17:04	5
Endrin (1C)	ND		0.15	0.041	ug/L		03/01/23 08:04	03/02/23 17:04	5
Endrin aldehyde (1C)	ND		0.51	0.10	ug/L		03/01/23 08:04	03/02/23 17:04	5
Endrin ketone (1C)	ND		0.15	0.025	ug/L		03/01/23 08:04	03/02/23 17:04	5
gamma-BHC (Lindane) (1C)	ND		0.10	0.010	ug/L		03/01/23 08:04	03/02/23 17:04	5
gamma-Chlordane (2C)	ND		0.20	0.036	ug/L		03/01/23 08:04	03/02/23 17:04	5
Heptachlor (1C)	ND		0.10	0.010	ug/L		03/01/23 08:04	03/02/23 17:04	5
Heptachlor epoxide (1C)	ND		0.10	0.012	ug/L		03/01/23 08:04	03/02/23 17:04	5
Methoxychlor (1C)	ND		0.56	0.15	ug/L		03/01/23 08:04	03/02/23 17:04	5
Toxaphene (1C)	ND		5.1	1.5	ug/L		03/01/23 08:04	03/02/23 17:04	5
p,p'-DDD (1C)	ND		0.15	0.025	ug/L		03/01/23 08:04	03/02/23 17:04	5
p,p'-DDE (1C)	ND		0.15	0.025	ug/L		03/01/23 08:04	03/02/23 17:04	5
p,p'-DDT (1C)	ND		0.15	0.026	ug/L		03/01/23 08:04	03/02/23 17:04	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*87*		*20 - 149*	*03/01/23 08:04*	*03/02/23 17:04*	*5*
DCB Decachlorobiphenyl (Surr) (2C)	*83*		*20 - 149*	*03/01/23 08:04*	*03/02/23 17:04*	*5*
Tetrachloro-m-xylene (Surr) (1C)	*79*		*20 - 129*	*03/01/23 08:04*	*03/02/23 17:04*	*5*
Tetrachloro-m-xylene (Surr) (2C)	*77*		*20 - 129*	*03/01/23 08:04*	*03/02/23 17:04*	*5*

Client Sample ID: MW-3-F-20230222
Lab Sample ID: 410-116613-2
Date Collected: 02/22/23 11:07
Matrix: Water
Date Received: 02/23/23 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.10	0.010	ug/L		03/01/23 08:04	03/02/23 17:48	5
alpha-BHC (1C)	ND		0.10	0.015	ug/L		03/01/23 08:04	03/02/23 17:48	5
alpha-Chlordane (1C)	ND		0.10	0.015	ug/L		03/01/23 08:04	03/02/23 17:48	5
beta-BHC (1C)	ND		0.15	0.055	ug/L		03/01/23 08:04	03/02/23 17:48	5
delta-BHC (1C)	ND		0.10	0.017	ug/L		03/01/23 08:04	03/02/23 17:48	5
Dieldrin (1C)	ND		0.15	0.027	ug/L		03/01/23 08:04	03/02/23 17:48	5
Endosulfan I (1C)	ND		0.10	0.022	ug/L		03/01/23 08:04	03/02/23 17:48	5
Endosulfan II (1C)	ND		0.20	0.075	ug/L		03/01/23 08:04	03/02/23 17:48	5
Endosulfan sulfate (1C)	ND		0.15	0.029	ug/L		03/01/23 08:04	03/02/23 17:48	5
Endrin (1C)	ND		0.15	0.041	ug/L		03/01/23 08:04	03/02/23 17:48	5
Endrin aldehyde (1C)	ND	F2	0.50	0.10	ug/L		03/01/23 08:04	03/02/23 17:48	5
Endrin ketone (1C)	ND		0.15	0.025	ug/L		03/01/23 08:04	03/02/23 17:48	5
gamma-BHC (Lindane) (1C)	ND		0.10	0.010	ug/L		03/01/23 08:04	03/02/23 17:48	5
gamma-Chlordane (2C)	ND		0.20	0.035	ug/L		03/01/23 08:04	03/02/23 17:48	5
Heptachlor (1C)	ND		0.10	0.010	ug/L		03/01/23 08:04	03/02/23 17:48	5
Heptachlor epoxide (1C)	ND	F2	0.10	0.012	ug/L		03/01/23 08:04	03/02/23 17:48	5

Client Sample ID: MW-3-F-20230222
Lab Sample ID: 410-116613-2

Date Collected: 02/22/23 11:07
Matrix: Water
Date Received: 02/23/23 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.55	0.15	ug/L		03/01/23 08:04	03/02/23 17:48	5
Toxaphene (1C)	ND		5.0	1.5	ug/L		03/01/23 08:04	03/02/23 17:48	5
p,p'-DDD (1C)	ND		0.15	0.025	ug/L		03/01/23 08:04	03/02/23 17:48	5
p,p'-DDE (1C)	ND		0.15	0.025	ug/L		03/01/23 08:04	03/02/23 17:48	5
p,p'-DDT (1C)	ND		0.15	0.026	ug/L		03/01/23 08:04	03/02/23 17:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*74*		*20 - 149*	*03/01/23 08:04*	*03/02/23 17:48*	*5*
DCB Decachlorobiphenyl (Surr) (2C)	*72*		*20 - 149*	*03/01/23 08:04*	*03/02/23 17:48*	*5*
Tetrachloro-m-xylene (Surr) (1C)	*64*		*20 - 129*	*03/01/23 08:04*	*03/02/23 17:48*	*5*
Tetrachloro-m-xylene (Surr) (2C)	*63*		*20 - 129*	*03/01/23 08:04*	*03/02/23 17:48*	*5*

Client Sample ID: EB-UF-20230222
Lab Sample ID: 410-116613-3

Date Collected: 02/22/23 11:45
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 18:02	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		03/01/23 08:04	03/02/23 18:02	1
alpha-Chlordane (1C)	ND		0.021	0.0031	ug/L		03/01/23 08:04	03/02/23 18:02	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		03/01/23 08:04	03/02/23 18:02	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		03/01/23 08:04	03/02/23 18:02	1
Dieldrin (1C)	ND		0.031	0.0055	ug/L		03/01/23 08:04	03/02/23 18:02	1
Endosulfan I (1C)	ND		0.021	0.0045	ug/L		03/01/23 08:04	03/02/23 18:02	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		03/01/23 08:04	03/02/23 18:02	1
Endosulfan sulfate (1C)	ND		0.031	0.0060	ug/L		03/01/23 08:04	03/02/23 18:02	1
Endrin (1C)	ND		0.031	0.0084	ug/L		03/01/23 08:04	03/02/23 18:02	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		03/01/23 08:04	03/02/23 18:02	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		03/01/23 08:04	03/02/23 18:02	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 18:02	1
gamma-Chlordane (2C)	ND		0.042	0.0073	ug/L		03/01/23 08:04	03/02/23 18:02	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 18:02	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		03/01/23 08:04	03/02/23 18:02	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		03/01/23 08:04	03/02/23 18:02	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		03/01/23 08:04	03/02/23 18:02	1
p,p'-DDD (1C)	ND		0.031	0.0052	ug/L		03/01/23 08:04	03/02/23 18:02	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		03/01/23 08:04	03/02/23 18:02	1
p,p'-DDT (1C)	ND		0.031	0.0054	ug/L		03/01/23 08:04	03/02/23 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*56*		*20 - 149*	*03/01/23 08:04*	*03/02/23 18:02*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*55*		*20 - 149*	*03/01/23 08:04*	*03/02/23 18:02*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*71*		*20 - 129*	*03/01/23 08:04*	*03/02/23 18:02*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*72*		*20 - 129*	*03/01/23 08:04*	*03/02/23 18:02*	*1*

Client Sample ID: EB-F-20230222

Lab Sample ID: 410-116613-4

Date Collected: 02/22/23 11:50
Matrix: Water
Date Received: 02/23/23 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 18:17	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		03/01/23 08:04	03/02/23 18:17	1
alpha-Chlordane (1C)	ND		0.021	0.0031	ug/L		03/01/23 08:04	03/02/23 18:17	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		03/01/23 08:04	03/02/23 18:17	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		03/01/23 08:04	03/02/23 18:17	1
Dieldrin (1C)	ND		0.031	0.0055	ug/L		03/01/23 08:04	03/02/23 18:17	1
Endosulfan I (1C)	ND		0.021	0.0045	ug/L		03/01/23 08:04	03/02/23 18:17	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		03/01/23 08:04	03/02/23 18:17	1
Endosulfan sulfate (1C)	ND		0.031	0.0061	ug/L		03/01/23 08:04	03/02/23 18:17	1
Endrin (1C)	ND		0.031	0.0085	ug/L		03/01/23 08:04	03/02/23 18:17	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		03/01/23 08:04	03/02/23 18:17	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		03/01/23 08:04	03/02/23 18:17	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 18:17	1
gamma-Chlordane (2C)	ND		0.042	0.0073	ug/L		03/01/23 08:04	03/02/23 18:17	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 18:17	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		03/01/23 08:04	03/02/23 18:17	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		03/01/23 08:04	03/02/23 18:17	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		03/01/23 08:04	03/02/23 18:17	1
p,p'-DDD (1C)	ND		0.031	0.0052	ug/L		03/01/23 08:04	03/02/23 18:17	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		03/01/23 08:04	03/02/23 18:17	1
p,p'-DDT (1C)	ND		0.031	0.0054	ug/L		03/01/23 08:04	03/02/23 18:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*61*		*20 - 149*	*03/01/23 08:04*	*03/02/23 18:17*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*61*		*20 - 149*	*03/01/23 08:04*	*03/02/23 18:17*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*72*		*20 - 129*	*03/01/23 08:04*	*03/02/23 18:17*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*70*		*20 - 129*	*03/01/23 08:04*	*03/02/23 18:17*	*1*

Client Sample ID: MW-5-UF-20230222

Lab Sample ID: 410-116613-5

Date Collected: 02/22/23 11:57
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND	cn	0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 18:32	1
alpha-BHC (1C)	ND	cn	0.021	0.0032	ug/L		03/01/23 08:04	03/02/23 18:32	1
alpha-Chlordane (2C)	**0.0075**	**J B cn**	0.021	0.0032	ug/L		03/01/23 08:04	03/02/23 18:32	1
beta-BHC (1C)	ND	cn	0.032	0.012	ug/L		03/01/23 08:04	03/02/23 18:32	1
delta-BHC (1C)	ND	cn	0.021	0.0036	ug/L		03/01/23 08:04	03/02/23 18:32	1
Dieldrin (1C)	ND	cn	0.032	0.0056	ug/L		03/01/23 08:04	03/02/23 18:32	1
Endosulfan I (1C)	ND	cn	0.021	0.0045	ug/L		03/01/23 08:04	03/02/23 18:32	1
Endosulfan II (1C)	ND	cn	0.042	0.016	ug/L		03/01/23 08:04	03/02/23 18:32	1
Endosulfan sulfate (1C)	ND	cn	0.032	0.0061	ug/L		03/01/23 08:04	03/02/23 18:32	1
Endrin (1C)	ND	cn	0.032	0.0085	ug/L		03/01/23 08:04	03/02/23 18:32	1
Endrin aldehyde (1C)	ND	cn	0.11	0.021	ug/L		03/01/23 08:04	03/02/23 18:32	1
Endrin ketone (1C)	ND	cn	0.032	0.0053	ug/L		03/01/23 08:04	03/02/23 18:32	1
gamma-BHC (Lindane) (1C)	ND	cn	0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 18:32	1
gamma-Chlordane (2C)	ND	cn	0.042	0.0074	ug/L		03/01/23 08:04	03/02/23 18:32	1
Heptachlor (1C)	ND	cn	0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 18:32	1
Heptachlor epoxide (1C)	ND	cn	0.021	0.0024	ug/L		03/01/23 08:04	03/02/23 18:32	1

Client Sample ID: MW-5-UF-20230222
Lab Sample ID: 410-116613-5
Date Collected: 02/22/23 11:57
Matrix: Water
Date Received: 02/23/23 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND	cn	0.12	0.032	ug/L		03/01/23 08:04	03/02/23 18:32	1
Toxaphene (1C)	ND	cn	1.1	0.32	ug/L		03/01/23 08:04	03/02/23 18:32	1
p,p'-DDD (2C)	ND	cn	0.032	0.0053	ug/L		03/01/23 08:04	03/02/23 18:32	1
p,p'-DDE (1C)	ND	cn	0.032	0.0053	ug/L		03/01/23 08:04	03/02/23 18:32	1
p,p'-DDT (2C)	**0.025**	**J cn**	0.032	0.0055	ug/L		03/01/23 08:04	03/02/23 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*17*	*S1- cn*	*20 - 149*	*03/01/23 08:04*	*03/02/23 18:32*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*18*	*S1- cn*	*20 - 149*	*03/01/23 08:04*	*03/02/23 18:32*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*49*	*cn*	*20 - 129*	*03/01/23 08:04*	*03/02/23 18:32*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*49*	*cn*	*20 - 129*	*03/01/23 08:04*	*03/02/23 18:32*	*1*

Client Sample ID: MW-5-F-20230222
Lab Sample ID: 410-116613-6
Date Collected: 02/22/23 12:02
Matrix: Water
Date Received: 02/23/23 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND	cn	0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 18:46	1
alpha-BHC (1C)	ND	cn	0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 18:46	1
alpha-Chlordane (2C)	**0.0043**	**J B cn**	0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 18:46	1
beta-BHC (1C)	ND	cn	0.030	0.011	ug/L		03/01/23 08:04	03/02/23 18:46	1
delta-BHC (1C)	ND	cn	0.020	0.0034	ug/L		03/01/23 08:04	03/02/23 18:46	1
Dieldrin (1C)	ND	cn	0.030	0.0053	ug/L		03/01/23 08:04	03/02/23 18:46	1
Endosulfan I (1C)	ND	cn	0.020	0.0043	ug/L		03/01/23 08:04	03/02/23 18:46	1
Endosulfan II (1C)	ND	cn	0.040	0.015	ug/L		03/01/23 08:04	03/02/23 18:46	1
Endosulfan sulfate (1C)	ND	cn	0.030	0.0059	ug/L		03/01/23 08:04	03/02/23 18:46	1
Endrin (1C)	ND	cn	0.030	0.0082	ug/L		03/01/23 08:04	03/02/23 18:46	1
Endrin aldehyde (1C)	ND	cn	0.10	0.020	ug/L		03/01/23 08:04	03/02/23 18:46	1
Endrin ketone (1C)	ND	cn	0.030	0.0050	ug/L		03/01/23 08:04	03/02/23 18:46	1
gamma-BHC (Lindane) (1C)	ND	cn	0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 18:46	1
gamma-Chlordane (2C)	ND	cn	0.040	0.0071	ug/L		03/01/23 08:04	03/02/23 18:46	1
Heptachlor (1C)	ND	cn	0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 18:46	1
Heptachlor epoxide (1C)	ND	cn	0.020	0.0023	ug/L		03/01/23 08:04	03/02/23 18:46	1
Methoxychlor (1C)	ND	cn	0.11	0.030	ug/L		03/01/23 08:04	03/02/23 18:46	1
Toxaphene (1C)	ND	cn	1.0	0.30	ug/L		03/01/23 08:04	03/02/23 18:46	1
p,p'-DDD (1C)	ND	cn	0.030	0.0050	ug/L		03/01/23 08:04	03/02/23 18:46	1
p,p'-DDE (1C)	ND	cn	0.030	0.0050	ug/L		03/01/23 08:04	03/02/23 18:46	1
p,p'-DDT (1C)	ND	cn	0.030	0.0052	ug/L		03/01/23 08:04	03/02/23 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*14*	*S1- cn*	*20 - 149*	*03/01/23 08:04*	*03/02/23 18:46*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*14*	*S1- cn*	*20 - 149*	*03/01/23 08:04*	*03/02/23 18:46*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*46*	*cn*	*20 - 129*	*03/01/23 08:04*	*03/02/23 18:46*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*46*	*cn*	*20 - 129*	*03/01/23 08:04*	*03/02/23 18:46*	*1*

Client Sample ID: MW-4-UF-20230222
Lab Sample ID: 410-116613-7

Date Collected: 02/22/23 12:39
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 19:01	1
alpha-BHC (2C)	**0.098**		0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 19:01	1
alpha-Chlordane (1C)	**0.017**	**J**	0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 19:01	1
beta-BHC (2C)	ND		0.030	0.011	ug/L		03/01/23 08:04	03/02/23 19:01	1
delta-BHC (2C)	ND		0.020	0.0034	ug/L		03/01/23 08:04	03/02/23 19:01	1
Dieldrin (2C)	**0.60**		0.030	0.0054	ug/L		03/01/23 08:04	03/02/23 19:01	1
Endosulfan I (2C)	ND		0.020	0.0043	ug/L		03/01/23 08:04	03/02/23 19:01	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		03/01/23 08:04	03/02/23 19:01	1
Endosulfan sulfate (1C)	**0.012**	**J**	0.030	0.0059	ug/L		03/01/23 08:04	03/02/23 19:01	1
Endrin (1C)	**0.018**	**J p**	0.030	0.0082	ug/L		03/01/23 08:04	03/02/23 19:01	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		03/01/23 08:04	03/02/23 19:01	1
Endrin ketone (2C)	ND		0.030	0.0051	ug/L		03/01/23 08:04	03/02/23 19:01	1
gamma-BHC (Lindane) (1C)	**0.0039**	**J**	0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 19:01	1
gamma-Chlordane (2C)	**0.024**	**J**	0.040	0.0071	ug/L		03/01/23 08:04	03/02/23 19:01	1
Heptachlor (1C)	ND	p	0.020	0.020	ug/L		03/01/23 08:04	03/02/23 19:01	1
Heptachlor epoxide (2C)	ND	p	0.020	0.020	ug/L		03/01/23 08:04	03/02/23 19:01	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		03/01/23 08:04	03/02/23 19:01	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		03/01/23 08:04	03/02/23 19:01	1
p,p'-DDD (2C)	ND		0.030	0.0051	ug/L		03/01/23 08:04	03/02/23 19:01	1
p,p'-DDE (1C)	ND		0.030	0.0051	ug/L		03/01/23 08:04	03/02/23 19:01	1
p,p'-DDT (2C)	**0.014**	**J p**	0.030	0.0053	ug/L		03/01/23 08:04	03/02/23 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*58*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:01*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*56*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:01*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*63*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:01*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*57*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:01*	*1*

Client Sample ID: MW-4-F-20230222
Lab Sample ID: 410-116613-8

Date Collected: 02/22/23 12:44
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 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		03/01/23 08:04	03/02/23 19:15	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 19:15	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 19:15	1
beta-BHC (2C)	ND		0.030	0.011	ug/L		03/01/23 08:04	03/02/23 19:15	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		03/01/23 08:04	03/02/23 19:15	1
Dieldrin (1C)	ND		0.030	0.0054	ug/L		03/01/23 08:04	03/02/23 19:15	1
Endosulfan I (1C)	ND		0.020	0.0044	ug/L		03/01/23 08:04	03/02/23 19:15	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		03/01/23 08:04	03/02/23 19:15	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		03/01/23 08:04	03/02/23 19:15	1
Endrin (1C)	ND		0.030	0.0082	ug/L		03/01/23 08:04	03/02/23 19:15	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		03/01/23 08:04	03/02/23 19:15	1
Endrin ketone (1C)	ND		0.030	0.0051	ug/L		03/01/23 08:04	03/02/23 19:15	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 19:15	1
gamma-Chlordane (1C)	ND		0.041	0.0071	ug/L		03/01/23 08:04	03/02/23 19:15	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 19:15	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		03/01/23 08:04	03/02/23 19:15	1

Client Sample ID: MW-4-F-20230222
Lab Sample ID: 410-116613-8
Date Collected: 02/22/23 12:44
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 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		03/01/23 08:04	03/02/23 19:15	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		03/01/23 08:04	03/02/23 19:15	1
p,p'-DDD (1C)	ND		0.030	0.0051	ug/L		03/01/23 08:04	03/02/23 19:15	1
p,p'-DDE (1C)	ND		0.030	0.0051	ug/L		03/01/23 08:04	03/02/23 19:15	1
p,p'-DDT (1C)	ND		0.030	0.0053	ug/L		03/01/23 08:04	03/02/23 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*67*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:15*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*67*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:15*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*64*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:15*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*62*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:15*	*1*

Client Sample ID: MW-2D-UF-20230222
Lab Sample ID: 410-116613-9
Date Collected: 02/22/23 13:33
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 19:30	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		03/01/23 08:04	03/02/23 19:30	1
alpha-Chlordane (1C)	ND	p	0.021	0.021	ug/L		03/01/23 08:04	03/02/23 19:30	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		03/01/23 08:04	03/02/23 19:30	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		03/01/23 08:04	03/02/23 19:30	1
Dieldrin (1C)	**0.014**	**J**	0.031	0.0055	ug/L		03/01/23 08:04	03/02/23 19:30	1
Endosulfan I (1C)	ND		0.021	0.0044	ug/L		03/01/23 08:04	03/02/23 19:30	1
Endosulfan II (1C)	ND		0.041	0.016	ug/L		03/01/23 08:04	03/02/23 19:30	1
Endosulfan sulfate (2C)	ND		0.031	0.0060	ug/L		03/01/23 08:04	03/02/23 19:30	1
Endrin (1C)	ND		0.031	0.0084	ug/L		03/01/23 08:04	03/02/23 19:30	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		03/01/23 08:04	03/02/23 19:30	1
Endrin ketone (2C)	ND		0.031	0.0052	ug/L		03/01/23 08:04	03/02/23 19:30	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 19:30	1
gamma-Chlordane (2C)	**0.013**	**J**	0.041	0.0072	ug/L		03/01/23 08:04	03/02/23 19:30	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		03/01/23 08:04	03/02/23 19:30	1
Heptachlor epoxide (2C)	**0.0054**	**J B**	0.021	0.0024	ug/L		03/01/23 08:04	03/02/23 19:30	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		03/01/23 08:04	03/02/23 19:30	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		03/01/23 08:04	03/02/23 19:30	1
p,p'-DDD (2C)	**0.26**		0.031	0.0052	ug/L		03/01/23 08:04	03/02/23 19:30	1
p,p'-DDE (1C)	**0.077**		0.031	0.0052	ug/L		03/01/23 08:04	03/02/23 19:30	1
p,p'-DDT (2C)	ND	p	0.047	0.047	ug/L		03/01/23 08:04	03/02/23 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*43*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:30*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*46*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:30*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*73*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:30*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*70*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:30*	*1*

Client Sample ID: MW-2D-F-20230222
Lab Sample ID: 410-116613-10

Date Collected: 02/22/23 13:38
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 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		03/01/23 08:04	03/02/23 19:45	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 19:45	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 19:45	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		03/01/23 08:04	03/02/23 19:45	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		03/01/23 08:04	03/02/23 19:45	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		03/01/23 08:04	03/02/23 19:45	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		03/01/23 08:04	03/02/23 19:45	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		03/01/23 08:04	03/02/23 19:45	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		03/01/23 08:04	03/02/23 19:45	1
Endrin (1C)	ND		0.030	0.0081	ug/L		03/01/23 08:04	03/02/23 19:45	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		03/01/23 08:04	03/02/23 19:45	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		03/01/23 08:04	03/02/23 19:45	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 19:45	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		03/01/23 08:04	03/02/23 19:45	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 19:45	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		03/01/23 08:04	03/02/23 19:45	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		03/01/23 08:04	03/02/23 19:45	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		03/01/23 08:04	03/02/23 19:45	1
p,p'-DDD (2C)	**0.0069**	**J p**	0.030	0.0050	ug/L		03/01/23 08:04	03/02/23 19:45	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		03/01/23 08:04	03/02/23 19:45	1
p,p'-DDT (2C)	ND		0.030	0.0052	ug/L		03/01/23 08:04	03/02/23 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*49*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:45*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*51*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:45*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*70*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:45*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*68*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:45*	*1*

Client Sample ID: DUP-UF-20230222
Lab Sample ID: 410-116613-11

Date Collected: 02/22/23 00:00
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.10	0.010	ug/L		03/01/23 08:04	03/02/23 19:59	5
alpha-BHC (1C)	ND		0.10	0.015	ug/L		03/01/23 08:04	03/02/23 19:59	5
alpha-Chlordane (1C)	**0.022**	**J**	0.10	0.015	ug/L		03/01/23 08:04	03/02/23 19:59	5
beta-BHC (2C)	ND		0.15	0.055	ug/L		03/01/23 08:04	03/02/23 19:59	5
delta-BHC (2C)	ND		0.10	0.017	ug/L		03/01/23 08:04	03/02/23 19:59	5
Dieldrin (1C)	**0.64**		0.15	0.027	ug/L		03/01/23 08:04	03/02/23 19:59	5
Endosulfan I (1C)	ND		0.10	0.022	ug/L		03/01/23 08:04	03/02/23 19:59	5
Endosulfan II (1C)	ND		0.20	0.075	ug/L		03/01/23 08:04	03/02/23 19:59	5
Endosulfan sulfate (1C)	ND		0.15	0.029	ug/L		03/01/23 08:04	03/02/23 19:59	5
Endrin (1C)	ND		0.15	0.041	ug/L		03/01/23 08:04	03/02/23 19:59	5
Endrin aldehyde (1C)	ND		0.50	0.10	ug/L		03/01/23 08:04	03/02/23 19:59	5
Endrin ketone (1C)	ND		0.15	0.025	ug/L		03/01/23 08:04	03/02/23 19:59	5
gamma-BHC (Lindane) (1C)	ND		0.10	0.010	ug/L		03/01/23 08:04	03/02/23 19:59	5
gamma-Chlordane (1C)	ND		0.20	0.035	ug/L		03/01/23 08:04	03/02/23 19:59	5
Heptachlor (1C)	ND		0.10	0.010	ug/L		03/01/23 08:04	03/02/23 19:59	5
Heptachlor epoxide (2C)	ND		0.10	0.012	ug/L		03/01/23 08:04	03/02/23 19:59	5

Client Sample ID: DUP-UF-20230222
Lab Sample ID: 410-116613-11

Date Collected: 02/22/23 00:00
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 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		03/01/23 08:04	03/02/23 19:59	5
Toxaphene (1C)	ND		5.0	1.5	ug/L		03/01/23 08:04	03/02/23 19:59	5
p,p'-DDD (2C)	ND		0.15	0.025	ug/L		03/01/23 08:04	03/02/23 19:59	5
p,p'-DDE (1C)	ND		0.15	0.025	ug/L		03/01/23 08:04	03/02/23 19:59	5
p,p'-DDT (1C)	ND		0.15	0.026	ug/L		03/01/23 08:04	03/02/23 19:59	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*66*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:59*	*5*
DCB Decachlorobiphenyl (Surr) (2C)	*61*		*20 - 149*	*03/01/23 08:04*	*03/02/23 19:59*	*5*
Tetrachloro-m-xylene (Surr) (1C)	*65*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:59*	*5*
Tetrachloro-m-xylene (Surr) (2C)	*60*		*20 - 129*	*03/01/23 08:04*	*03/02/23 19:59*	*5*

Client Sample ID: DUP-F-20230222
Lab Sample ID: 410-116613-12

Date Collected: 02/22/23 00:00
Matrix: Water
Date Received: 02/23/23 18:00

Method: SW846 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		03/01/23 08:04	03/02/23 20:14	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 20:14	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 20:14	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		03/01/23 08:04	03/02/23 20:14	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		03/01/23 08:04	03/02/23 20:14	1
Dieldrin (1C)	ND		0.030	0.0054	ug/L		03/01/23 08:04	03/02/23 20:14	1
Endosulfan I (1C)	ND		0.020	0.0044	ug/L		03/01/23 08:04	03/02/23 20:14	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		03/01/23 08:04	03/02/23 20:14	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		03/01/23 08:04	03/02/23 20:14	1
Endrin (1C)	ND		0.030	0.0082	ug/L		03/01/23 08:04	03/02/23 20:14	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		03/01/23 08:04	03/02/23 20:14	1
Endrin ketone (1C)	ND		0.030	0.0051	ug/L		03/01/23 08:04	03/02/23 20:14	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 20:14	1
gamma-Chlordane (1C)	ND		0.040	0.0071	ug/L		03/01/23 08:04	03/02/23 20:14	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 20:14	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		03/01/23 08:04	03/02/23 20:14	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		03/01/23 08:04	03/02/23 20:14	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		03/01/23 08:04	03/02/23 20:14	1
p,p'-DDD (1C)	ND		0.030	0.0051	ug/L		03/01/23 08:04	03/02/23 20:14	1
p,p'-DDE (1C)	ND		0.030	0.0051	ug/L		03/01/23 08:04	03/02/23 20:14	1
p,p'-DDT (1C)	ND		0.030	0.0053	ug/L		03/01/23 08:04	03/02/23 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*64*		*20 - 149*	*03/01/23 08:04*	*03/02/23 20:14*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*64*		*20 - 149*	*03/01/23 08:04*	*03/02/23 20:14*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*75*		*20 - 129*	*03/01/23 08:04*	*03/02/23 20:14*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*72*		*20 - 129*	*03/01/23 08:04*	*03/02/23 20:14*	*1*

Surrogate Summary

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

Job ID: 410-116613-1

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	(20-149)	(20-149)	(20-129)	(20-129)
410-116613-1	MW-3-UF-20230222	87	83	79	77
410-116613-1 MS	MW-3-UF-20230222	74	70	74	73
410-116613-1 MSD	MW-3-UF-20230222	72	70	71	69
410-116613-3	EB-UF-20230222	56	55	71	72
410-116613-5	MW-5-UF-20230222	17 S1- cn	18 S1- cn	49 cn	49 cn
410-116613-7	MW-4-UF-20230222	58	56	63	57
410-116613-9	MW-2D-UF-20230222	43	46	73	70
410-116613-11	DUP-UF-20230222	66	61	65	60
LCS 410-348994/2-A	Lab Control Sample	52	51	69	63
MB 410-348994/1-A	Method Blank	46	46	66	63

Surrogate Legend

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

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	(20-149)	(20-149)	(20-129)	(20-129)
410-116613-2	MW-3-F-20230222	74	72	64	63
410-116613-2 MS	MW-3-F-20230222	72	68	61	58
410-116613-2 MSD	MW-3-F-20230222	87	83	75	71
410-116613-4	EB-F-20230222	61	61	72	70
410-116613-6	MW-5-F-20230222	14 S1- cn	14 S1- cn	46 cn	46 cn
410-116613-8	MW-4-F-20230222	67	67	64	62
410-116613-10	MW-2D-F-20230222	49	51	70	68
410-116613-12	DUP-F-20230222	64	64	75	72

Surrogate Legend

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

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-348994/1-A
Matrix: Water
Analysis Batch: 349358

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 348994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 02:38	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 02:38	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		03/01/23 08:04	03/02/23 02:38	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		03/01/23 08:04	03/02/23 02:38	1
delta-BHC (2C)	0.0305	p	0.020	0.0034	ug/L		03/01/23 08:04	03/02/23 02:38	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		03/01/23 08:04	03/02/23 02:38	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		03/01/23 08:04	03/02/23 02:38	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		03/01/23 08:04	03/02/23 02:38	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		03/01/23 08:04	03/02/23 02:38	1
Endrin (1C)	ND		0.030	0.0081	ug/L		03/01/23 08:04	03/02/23 02:38	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		03/01/23 08:04	03/02/23 02:38	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		03/01/23 08:04	03/02/23 02:38	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 02:38	1
gamma-Chlordane (2C)	ND		0.040	0.0070	ug/L		03/01/23 08:04	03/02/23 02:38	1
Heptachlor (2C)	0.0159	J	0.020	0.0020	ug/L		03/01/23 08:04	03/02/23 02:38	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		03/01/23 08:04	03/02/23 02:38	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		03/01/23 08:04	03/02/23 02:38	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		03/01/23 08:04	03/02/23 02:38	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		03/01/23 08:04	03/02/23 02:38	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		03/01/23 08:04	03/02/23 02:38	1
p,p'-DDT (2C)	ND		0.030	0.0052	ug/L		03/01/23 08:04	03/02/23 02:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*46*		*20 - 149*	*03/01/23 08:04*	*03/02/23 02:38*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*46*		*20 - 149*	*03/01/23 08:04*	*03/02/23 02:38*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*66*		*20 - 129*	*03/01/23 08:04*	*03/02/23 02:38*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*63*		*20 - 129*	*03/01/23 08:04*	*03/02/23 02:38*	*1*

Lab Sample ID: LCS 410-348994/2-A
Matrix: Water
Analysis Batch: 349358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (1C)	0.100	0.0695		ug/L		69	10 - 148
alpha-BHC (1C)	0.100	0.0857		ug/L		86	47 - 132
alpha-Chlordane (1C)	0.100	0.0845		ug/L		84	50 - 136
beta-BHC (1C)	0.100	0.0957		ug/L		96	65 - 139
delta-BHC (2C)	0.100	0.0834		ug/L		83	56 - 141
Dieldrin (1C)	0.200	0.161		ug/L		80	58 - 145
Endosulfan I (1C)	0.100	0.0842		ug/L		84	63 - 138
Endosulfan II (1C)	0.200	0.177		ug/L		89	61 - 138
Endosulfan sulfate (1C)	0.200	0.189		ug/L		94	63 - 129
Endrin (1C)	0.200	0.181		ug/L		90	63 - 131
Endrin aldehyde (1C)	0.200	0.167		ug/L		84	57 - 135
Endrin ketone (1C)	0.200	0.200		ug/L		100	67 - 136
gamma-BHC (Lindane) (1C)	0.100	0.0855		ug/L		85	61 - 139
gamma-Chlordane (1C)	0.100	0.104		ug/L		104	33 - 141
Heptachlor (1C)	0.100	0.0839		ug/L		84	35 - 136

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

Lab Sample ID: LCS 410-348994/2-A
Matrix: Water
Analysis Batch: 349358

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 348994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Heptachlor epoxide (1C)	0.100	0.0865		ug/L		86	59 - 146
Methoxychlor (2C)	1.00	0.821		ug/L		82	66 - 148
p,p'-DDD (1C)	0.200	0.189		ug/L		95	42 - 148
p,p'-DDE (1C)	0.200	0.168		ug/L		84	20 - 140
p,p'-DDT (2C)	0.200	0.155		ug/L		78	40 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*52*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*51*		*20 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*69*		*20 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*63*		*20 - 129*

Lab Sample ID: 410-116613-1 MS
Matrix: Water
Analysis Batch: 349358

Client Sample ID: MW-3-UF-20230222
Prep Type: Total/NA
Prep Batch: 348994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (1C)	ND		0.100	0.0697	J	ug/L		69	10 - 148
alpha-BHC (1C)	ND		0.100	0.0892	J	ug/L		89	47 - 132
alpha-Chlordane (1C)	ND		0.100	0.101		ug/L		101	50 - 136
beta-BHC (1C)	ND		0.100	0.116	J	ug/L		116	65 - 139
delta-BHC (2C)	ND		0.100	0.0799	J p	ug/L		80	56 - 141
Dieldrin (1C)	ND		0.201	0.173		ug/L		86	58 - 145
Endosulfan I (1C)	ND		0.100	0.0951	J	ug/L		95	63 - 138
Endosulfan II (1C)	ND		0.201	0.191	J	ug/L		95	61 - 138
Endosulfan sulfate (1C)	ND		0.201	0.198		ug/L		98	63 - 129
Endrin (1C)	ND		0.201	0.183		ug/L		91	63 - 131
Endrin aldehyde (1C)	ND		0.201	0.182	J	ug/L		90	57 - 135
Endrin ketone (1C)	ND		0.201	0.194		ug/L		97	67 - 136
gamma-BHC (Lindane) (1C)	ND		0.100	0.0966	J	ug/L		96	61 - 139
gamma-Chlordane (1C)	ND		0.100	0.0976	J	ug/L		97	33 - 141
Heptachlor (1C)	ND		0.100	0.0867	J p	ug/L		86	35 - 136
Heptachlor epoxide (1C)	ND		0.100	0.0993	J	ug/L		99	59 - 146
Methoxychlor (2C)	ND		1.00	0.716		ug/L		71	66 - 148
p,p'-DDD (1C)	ND		0.201	0.181		ug/L		90	42 - 148
p,p'-DDE (1C)	ND		0.201	0.157		ug/L		78	20 - 140
p,p'-DDT (2C)	ND		0.201	0.123	J	ug/L		61	40 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*74*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*70*		*20 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*74*		*20 - 129*

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

Lab Sample ID: 410-116613-1 MS
Matrix: Water
Analysis Batch: 349358

Client Sample ID: MW-3-UF-20230222
Prep Type: Total/NA
Prep Batch: 348994

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene (Surr) (2C)	73		20 - 129

Lab Sample ID: 410-116613-1 MSD
Matrix: Water
Analysis Batch: 349358

Client Sample ID: MW-3-UF-20230222
Prep Type: Total/NA
Prep Batch: 348994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (1C)	ND		0.100	0.0697	J	ug/L		70	10 - 148	0	30
alpha-BHC (1C)	ND		0.100	0.0819	J	ug/L		82	47 - 132	8	30
alpha-Chlordane (1C)	ND		0.100	0.0962	J	ug/L		96	50 - 136	5	30
beta-BHC (1C)	ND		0.100	0.108	J	ug/L		108	65 - 139	7	30
delta-BHC (2C)	ND		0.100	0.0732	J p	ug/L		73	56 - 141	9	30
Dieldrin (1C)	ND		0.201	0.160		ug/L		80	58 - 145	7	30
Endosulfan I (1C)	ND		0.100	0.0892	J	ug/L		89	63 - 138	6	30
Endosulfan II (1C)	ND		0.201	0.179	J	ug/L		89	61 - 138	7	30
Endosulfan sulfate (1C)	ND		0.201	0.185		ug/L		92	63 - 129	7	30
Endrin (1C)	ND		0.201	0.176		ug/L		88	63 - 131	4	30
Endrin aldehyde (1C)	ND		0.201	0.172	J	ug/L		86	57 - 135	5	20
Endrin ketone (1C)	ND		0.201	0.185		ug/L		92	67 - 136	5	30
gamma-BHC (Lindane) (1C)	ND		0.100	0.0862	J	ug/L		86	61 - 139	11	30
gamma-Chlordane (2C)	ND		0.100	0.0813	J p	ug/L		81	33 - 141	18	30
Heptachlor (1C)	ND		0.100	0.0826	J p	ug/L		82	35 - 136	5	30
Heptachlor epoxide (1C)	ND		0.100	0.0911	J	ug/L		91	59 - 146	9	30
Methoxychlor (2C)	ND		1.00	0.699		ug/L		70	66 - 148	2	30
p,p'-DDD (1C)	ND		0.201	0.175		ug/L		87	42 - 148	3	30
p,p'-DDE (1C)	ND		0.201	0.154		ug/L		77	20 - 140	2	30
p,p'-DDT (2C)	ND		0.201	0.123	J	ug/L		61	40 - 145	0	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr) (1C)	72		20 - 149
DCB Decachlorobiphenyl (Surr) (2C)	70		20 - 149
Tetrachloro-m-xylene (Surr) (1C)	71		20 - 129
Tetrachloro-m-xylene (Surr) (2C)	69		20 - 129

Lab Sample ID: 410-116613-2 MS
Matrix: Water
Analysis Batch: 349358

Client Sample ID: MW-3-F-20230222
Prep Type: Dissolved
Prep Batch: 348994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (1C)	ND		0.101	0.0620	J	ug/L		61	10 - 148
alpha-BHC (1C)	ND		0.101	0.0704	J	ug/L		69	47 - 132
alpha-Chlordane (1C)	ND		0.101	0.0729	J	ug/L		72	50 - 136
beta-BHC (1C)	ND		0.101	0.0870	J	ug/L		86	65 - 139
delta-BHC (1C)	ND		0.101	0.0714	J	ug/L		70	56 - 141

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

Lab Sample ID: 410-116613-2 MS
Matrix: Water
Analysis Batch: 349358

Client Sample ID: MW-3-F-20230222
Prep Type: Dissolved
Prep Batch: 348994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dieldrin (1C)	ND		0.203	0.131	J	ug/L		65	58 - 145
Endosulfan I (1C)	ND		0.101	0.0729	J	ug/L		72	63 - 138
Endosulfan II (1C)	ND		0.203	0.146	J	ug/L		72	61 - 138
Endosulfan sulfate (1C)	ND		0.203	0.154		ug/L		76	63 - 129
Endrin (1C)	ND		0.203	0.145	J	ug/L		71	63 - 131
Endrin aldehyde (1C)	ND	F2	0.203	0.146	J	ug/L		72	57 - 135
Endrin ketone (1C)	ND		0.203	0.156		ug/L		77	67 - 136
gamma-BHC (Lindane) (1C)	ND		0.101	0.0742	J	ug/L		73	61 - 139
gamma-Chlordane (2C)	ND		0.101	0.0619	J p	ug/L		61	33 - 141
Heptachlor (1C)	ND		0.101	0.0747	J	ug/L		74	35 - 136
Heptachlor epoxide (2C)	ND	F2	0.101	0.0471	J p F1	ug/L		47	59 - 146
Methoxychlor (2C)	ND		1.01	0.595	F1	ug/L		59	66 - 148
p,p'-DDD (1C)	ND		0.203	0.148	J	ug/L		73	42 - 148
p,p'-DDE (1C)	ND		0.203	0.134	J	ug/L		66	20 - 140
p,p'-DDT (2C)	ND		0.203	0.102	J	ug/L		50	40 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*72*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*68*		*20 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*61*		*20 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*58*		*20 - 129*

Lab Sample ID: 410-116613-2 MSD
Matrix: Water
Analysis Batch: 349358

Client Sample ID: MW-3-F-20230222
Prep Type: Dissolved
Prep Batch: 348994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (1C)	ND		0.101	0.0773	J	ug/L		77	10 - 148	22	30
alpha-BHC (1C)	ND		0.101	0.0902	J	ug/L		90	47 - 132	25	30
alpha-Chlordane (1C)	ND		0.101	0.0964	J	ug/L		96	50 - 136	28	30
beta-BHC (1C)	ND		0.101	0.115	J	ug/L		114	65 - 139	27	30
delta-BHC (1C)	ND		0.101	0.0898	J	ug/L		89	56 - 141	23	30
Dieldrin (1C)	ND		0.201	0.165		ug/L		82	58 - 145	23	30
Endosulfan I (1C)	ND		0.101	0.0929	J	ug/L		92	63 - 138	24	30
Endosulfan II (1C)	ND		0.201	0.188	J	ug/L		94	61 - 138	25	30
Endosulfan sulfate (1C)	ND		0.201	0.200		ug/L		100	63 - 129	26	30
Endrin (1C)	ND		0.201	0.189		ug/L		94	63 - 131	26	30
Endrin aldehyde (1C)	ND	F2	0.201	0.183	J F2	ug/L		91	57 - 135	23	20
Endrin ketone (1C)	ND		0.201	0.201		ug/L		100	67 - 136	25	30
gamma-BHC (Lindane) (1C)	ND		0.101	0.0915	J	ug/L		91	61 - 139	21	30
gamma-Chlordane (2C)	ND		0.101	0.0818	J p	ug/L		81	33 - 141	28	30
Heptachlor (1C)	ND		0.101	0.0907	J	ug/L		90	35 - 136	19	30
Heptachlor epoxide (1C)	ND	F2	0.101	0.0985	J F2	ug/L		98	59 - 146	71	30
Methoxychlor (2C)	ND		1.01	0.737		ug/L		73	66 - 148	21	30
p,p'-DDD (1C)	ND		0.201	0.192		ug/L		96	42 - 148	26	30

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

Lab Sample ID: 410-116613-2 MSD
Matrix: Water
Analysis Batch: 349358

Client Sample ID: MW-3-F-20230222
Prep Type: Dissolved
Prep Batch: 348994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
p,p'-DDE (1C)	ND		0.201	0.170		ug/L		84	20 - 140	24	30
p,p'-DDT (2C)	ND		0.201	0.124	J	ug/L		61	40 - 145	19	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*87*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*83*		*20 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*75*		*20 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*71*		*20 - 129*

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
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
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 Site, NY

Job ID: 410-116613-1

GC Semi VOA

Prep Batch: 348994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-116613-1	MW-3-UF-20230222	Total/NA	Water	3510C	
410-116613-2	MW-3-F-20230222	Dissolved	Water	3510C	
410-116613-3	EB-UF-20230222	Total/NA	Water	3510C	
410-116613-4	EB-F-20230222	Dissolved	Water	3510C	
410-116613-5	MW-5-UF-20230222	Total/NA	Water	3510C	
410-116613-6	MW-5-F-20230222	Dissolved	Water	3510C	
410-116613-7	MW-4-UF-20230222	Total/NA	Water	3510C	
410-116613-8	MW-4-F-20230222	Dissolved	Water	3510C	
410-116613-9	MW-2D-UF-20230222	Total/NA	Water	3510C	
410-116613-10	MW-2D-F-20230222	Dissolved	Water	3510C	
410-116613-11	DUP-UF-20230222	Total/NA	Water	3510C	
410-116613-12	DUP-F-20230222	Dissolved	Water	3510C	
MB 410-348994/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-348994/2-A	Lab Control Sample	Total/NA	Water	3510C	
410-116613-1 MS	MW-3-UF-20230222	Total/NA	Water	3510C	
410-116613-1 MSD	MW-3-UF-20230222	Total/NA	Water	3510C	
410-116613-2 MS	MW-3-F-20230222	Dissolved	Water	3510C	
410-116613-2 MSD	MW-3-F-20230222	Dissolved	Water	3510C	

Analysis Batch: 349358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-116613-1	MW-3-UF-20230222	Total/NA	Water	8081B	348994
410-116613-2	MW-3-F-20230222	Dissolved	Water	8081B	348994
410-116613-3	EB-UF-20230222	Total/NA	Water	8081B	348994
410-116613-4	EB-F-20230222	Dissolved	Water	8081B	348994
410-116613-5	MW-5-UF-20230222	Total/NA	Water	8081B	348994
410-116613-6	MW-5-F-20230222	Dissolved	Water	8081B	348994
410-116613-7	MW-4-UF-20230222	Total/NA	Water	8081B	348994
410-116613-8	MW-4-F-20230222	Dissolved	Water	8081B	348994
410-116613-9	MW-2D-UF-20230222	Total/NA	Water	8081B	348994
410-116613-10	MW-2D-F-20230222	Dissolved	Water	8081B	348994
410-116613-11	DUP-UF-20230222	Total/NA	Water	8081B	348994
410-116613-12	DUP-F-20230222	Dissolved	Water	8081B	348994
MB 410-348994/1-A	Method Blank	Total/NA	Water	8081B	348994
LCS 410-348994/2-A	Lab Control Sample	Total/NA	Water	8081B	348994
410-116613-1 MS	MW-3-UF-20230222	Total/NA	Water	8081B	348994
410-116613-1 MSD	MW-3-UF-20230222	Total/NA	Water	8081B	348994
410-116613-2 MS	MW-3-F-20230222	Dissolved	Water	8081B	348994
410-116613-2 MSD	MW-3-F-20230222	Dissolved	Water	8081B	348994

Lab Chronicle

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

Job ID: 410-116613-1

Client Sample ID: MW-3-UF-20230222
Lab Sample ID: 410-116613-1
Date Collected: 02/22/23 11:02
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Total/NA	Analysis	8081B		5	349358	UAMZ	ELLE	03/02/23 17:04

Client Sample ID: MW-3-F-20230222
Lab Sample ID: 410-116613-2
Date Collected: 02/22/23 11:07
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Dissolved	Analysis	8081B		5	349358	UAMZ	ELLE	03/02/23 17:48

Client Sample ID: EB-UF-20230222
Lab Sample ID: 410-116613-3
Date Collected: 02/22/23 11:45
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Total/NA	Analysis	8081B		1	349358	UAMZ	ELLE	03/02/23 18:02

Client Sample ID: EB-F-20230222
Lab Sample ID: 410-116613-4
Date Collected: 02/22/23 11:50
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Dissolved	Analysis	8081B		1	349358	UAMZ	ELLE	03/02/23 18:17

Client Sample ID: MW-5-UF-20230222
Lab Sample ID: 410-116613-5
Date Collected: 02/22/23 11:57
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Total/NA	Analysis	8081B		1	349358	UAMZ	ELLE	03/02/23 18:32

Client Sample ID: MW-5-F-20230222
Lab Sample ID: 410-116613-6
Date Collected: 02/22/23 12:02
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Dissolved	Analysis	8081B		1	349358	UAMZ	ELLE	03/02/23 18:46

Lab Chronicle

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

Job ID: 410-116613-1

Client Sample ID: MW-4-UF-20230222
Lab Sample ID: 410-116613-7
Date Collected: 02/22/23 12:39
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Total/NA	Analysis	8081B		1	349358	UAMZ	ELLE	03/02/23 19:01

Client Sample ID: MW-4-F-20230222
Lab Sample ID: 410-116613-8
Date Collected: 02/22/23 12:44
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Dissolved	Analysis	8081B		1	349358	UAMZ	ELLE	03/02/23 19:15

Client Sample ID: MW-2D-UF-20230222
Lab Sample ID: 410-116613-9
Date Collected: 02/22/23 13:33
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Total/NA	Analysis	8081B		1	349358	UAMZ	ELLE	03/02/23 19:30

Client Sample ID: MW-2D-F-20230222
Lab Sample ID: 410-116613-10
Date Collected: 02/22/23 13:38
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Dissolved	Analysis	8081B		1	349358	UAMZ	ELLE	03/02/23 19:45

Client Sample ID: DUP-UF-20230222
Lab Sample ID: 410-116613-11
Date Collected: 02/22/23 00:00
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Total/NA	Analysis	8081B		5	349358	UAMZ	ELLE	03/02/23 19:59

Client Sample ID: DUP-F-20230222
Lab Sample ID: 410-116613-12
Date Collected: 02/22/23 00:00
Matrix: Water
Date Received: 02/23/23 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	3510C			348994	YDF5	ELLE	03/01/23 08:04
Dissolved	Analysis	8081B		1	349358	UAMZ	ELLE	03/02/23 20:14

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 410-116613-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-23

Method 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-116613-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
MW-3-UF-20230222	410-116613-1	79	77	87	83
EB-UF-20230222	410-116613-3	71	72	56	55
MW-5-UF-20230222	410-116613-5	49 cn	49 cn	17 S1-cn	18 S1-cn
MW-4-UF-20230222	410-116613-7	63	57	58	56
MW-2D-UF-20230222	410-116613-9	73	70	43	46
DUP-UF-20230222	410-116613-11	65	60	66	61
	MB 410-348994/1-A	66	63	46	46
	LCS 410-348994/2-A	69	63	52	51
MW-3-UF-20230222 MS	410-116613-1 MS	74	73	74	70
MW-3-UF-20230222 MSD	410-116613-1 MSD	71	69	72	70

	QC LIMITS
TCX = Tetrachloro-m-xylene (Surr)	20-129
DCB = DCB Decachlorobiphenyl (Surr)	20-149

Column to be used to flag recovery values

FORM II 8081B

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-116613-1

SDG No.:

Matrix: Water (Dissolved) Level: Low

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
MW-3-F-20230222	410-116613-2	64	63	74	72
EB-F-20230222	410-116613-4	72	70	61	61
MW-5-F-20230222	410-116613-6	46 cn	46 cn	14 S1-cn	14 S1-cn
MW-4-F-20230222	410-116613-8	64	62	67	67
MW-2D-F-20230222	410-116613-10	70	68	49	51
DUP-F-20230222	410-116613-12	75	72	64	64
MW-3-F-20230222 MS	410-116613-2 MS	61	58	72	68
MW-3-F-20230222 MSD	410-116613-2 MSD	75	71	87	83

	QC LIMITS
TCX = Tetrachloro-m-xylene (Surr)	20-129
DCB = DCB Decachlorobiphenyl (Surr)	20-149

Column to be used to flag recovery values

FORM II 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 41PEST23024025.013.D

Lab ID: LCS 410-348994/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	0.100	0.0695	69	10-148	
alpha-BHC	0.100	0.0857	86	47-132	
alpha-Chlordane	0.100	0.0845	84	50-136	
beta-BHC	0.100	0.0957	96	65-139	
delta-BHC	0.100	0.0834	83	56-141	
Dieldrin	0.200	0.161	80	58-145	
Endosulfan I	0.100	0.0842	84	63-138	
Endosulfan II	0.200	0.177	89	61-138	
Endosulfan sulfate	0.200	0.189	94	63-129	
Endrin	0.200	0.181	90	63-131	
Endrin aldehyde	0.200	0.167	84	57-135	
Endrin ketone	0.200	0.200	100	67-136	
gamma-BHC (Lindane)	0.100	0.0855	85	61-139	
gamma-Chlordane	0.100	0.104	104	33-141	
Heptachlor	0.100	0.0839	84	35-136	
Heptachlor epoxide	0.100	0.0865	86	59-146	
Methoxychlor	1.00	0.821	82	66-148	
p,p'-DDD	0.200	0.189	95	42-148	
p,p'-DDE	0.200	0.168	84	20-140	
p,p'-DDT	0.200	0.155	78	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 Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 41PEST23024025.069.D

Lab ID: 410-116613-1 MS Client ID: MW-3-UF-20230222 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aldrin	0.100	ND	0.0697 J	69	10-148	
alpha-BHC	0.100	ND	0.0892 J	89	47-132	
alpha-Chlordane	0.100	ND	0.101	101	50-136	
beta-BHC	0.100	ND	0.116 J	116	65-139	
delta-BHC	0.100	ND	0.0799 J	80	56-141	p
Dieldrin	0.201	ND	0.173	86	58-145	
Endosulfan I	0.100	ND	0.0951 J	95	63-138	
Endosulfan II	0.201	ND	0.191 J	95	61-138	
Endosulfan sulfate	0.201	ND	0.198	98	63-129	
Endrin	0.201	ND	0.183	91	63-131	
Endrin aldehyde	0.201	ND	0.182 J	90	57-135	
Endrin ketone	0.201	ND	0.194	97	67-136	
gamma-BHC (Lindane)	0.100	ND	0.0966 J	96	61-139	
gamma-Chlordane	0.100	ND	0.0976 J	97	33-141	
Heptachlor	0.100	ND	0.0867 J	86	35-136	p
Heptachlor epoxide	0.100	ND	0.0993 J	99	59-146	
Methoxychlor	1.00	ND	0.716	71	66-148	
p,p'-DDD	0.201	ND	0.181	90	42-148	
p,p'-DDE	0.201	ND	0.157	78	20-140	
p,p'-DDT	0.201	ND	0.123 J	61	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 Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Matrix: Water (Dissolved Level: Low Lab File ID: 41PEST23024025.072.D

Lab ID: 410-116613-2 MS Client ID: MW-3-F-20230222 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aldrin	0.101	ND	0.0620 J	61	10-148	
alpha-BHC	0.101	ND	0.0704 J	69	47-132	
alpha-Chlordane	0.101	ND	0.0729 J	72	50-136	
beta-BHC	0.101	ND	0.0870 J	86	65-139	
delta-BHC	0.101	ND	0.0714 J	70	56-141	
Dieldrin	0.203	ND	0.131 J	65	58-145	
Endosulfan I	0.101	ND	0.0729 J	72	63-138	
Endosulfan II	0.203	ND	0.146 J	72	61-138	
Endosulfan sulfate	0.203	ND	0.154	76	63-129	
Endrin	0.203	ND	0.145 J	71	63-131	
Endrin aldehyde	0.203	ND	0.146 J	72	57-135	
Endrin ketone	0.203	ND	0.156	77	67-136	
gamma-BHC (Lindane)	0.101	ND	0.0742 J	73	61-139	
gamma-Chlordane	0.101	ND	0.0619 J	61	33-141	p
Heptachlor	0.101	ND	0.0747 J	74	35-136	
Heptachlor epoxide	0.101	ND	0.0471 J	47	59-146	p F1
Methoxychlor	1.01	ND	0.595	59	66-148	F1
p,p'-DDD	0.203	ND	0.148 J	73	42-148	
p,p'-DDE	0.203	ND	0.134 J	66	20-140	
p,p'-DDT	0.203	ND	0.102 J	50	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 Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 41PEST23024025.070.D

Lab ID: 410-116613-1 MSD Client ID: MW-3-UF-20230222 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.100	0.0697 J	70	0	30	10-148	
alpha-BHC	0.100	0.0819 J	82	8	30	47-132	
alpha-Chlordane	0.100	0.0962 J	96	5	30	50-136	
beta-BHC	0.100	0.108 J	108	7	30	65-139	
delta-BHC	0.100	0.0732 J	73	9	30	56-141	p
Dieldrin	0.201	0.160	80	7	30	58-145	
Endosulfan I	0.100	0.0892 J	89	6	30	63-138	
Endosulfan II	0.201	0.179 J	89	7	30	61-138	
Endosulfan sulfate	0.201	0.185	92	7	30	63-129	
Endrin	0.201	0.176	88	4	30	63-131	
Endrin aldehyde	0.201	0.172 J	86	5	20	57-135	
Endrin ketone	0.201	0.185	92	5	30	67-136	
gamma-BHC (Lindane)	0.100	0.0862 J	86	11	30	61-139	
gamma-Chlordane	0.100	0.0813 J	81	18	30	33-141	p
Heptachlor	0.100	0.0826 J	82	5	30	35-136	p
Heptachlor epoxide	0.100	0.0911 J	91	9	30	59-146	
Methoxychlor	1.00	0.699	70	2	30	66-148	
p,p'-DDD	0.201	0.175	87	3	30	42-148	
p,p'-DDE	0.201	0.154	77	2	30	20-140	
p,p'-DDT	0.201	0.123 J	61	0	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 Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Matrix: Water (Dissolved Level: Low Lab File ID: 41PEST23024025.073.D

Lab ID: 410-116613-2 MSD Client ID: MW-3-F-20230222 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.101	0.0773 J	77	22	30	10-148	
alpha-BHC	0.101	0.0902 J	90	25	30	47-132	
alpha-Chlordane	0.101	0.0964 J	96	28	30	50-136	
beta-BHC	0.101	0.115 J	114	27	30	65-139	
delta-BHC	0.101	0.0898 J	89	23	30	56-141	
Dieldrin	0.201	0.165	82	23	30	58-145	
Endosulfan I	0.101	0.0929 J	92	24	30	63-138	
Endosulfan II	0.201	0.188 J	94	25	30	61-138	
Endosulfan sulfate	0.201	0.200	100	26	30	63-129	
Endrin	0.201	0.189	94	26	30	63-131	
Endrin aldehyde	0.201	0.183 J	91	23	20	57-135	F2
Endrin ketone	0.201	0.201	100	25	30	67-136	
gamma-BHC (Lindane)	0.101	0.0915 J	91	21	30	61-139	
gamma-Chlordane	0.101	0.0818 J	81	28	30	33-141	p
Heptachlor	0.101	0.0907 J	90	19	30	35-136	
Heptachlor epoxide	0.101	0.0985 J	98	71	30	59-146	F2
Methoxychlor	1.01	0.737	73	21	30	66-148	
p,p'-DDD	0.201	0.192	96	26	30	42-148	
p,p'-DDE	0.201	0.170	84	24	30	20-140	
p,p'-DDT	0.201	0.124 J	61	19	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 Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Lab Sample ID: MB 410-348994/1-A

Matrix: Water Date Extracted: 03/01/2023 08:04

Lab File ID:(1) 41PEST23024025.012.D Lab File ID:(2) 41PEST23024025.012.D

Date Analyzed:(1) 03/02/2023 02:38 Date Analyzed:(2) 03/02/2023 02:38

Instrument ID:(1) 9147 Instrument ID:(2) 9147

GC Column:(1) MR2 ID: GC Column:(2) MR2 ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 410-348994/2-A	03/02/2023 02:53	03/02/2023 02:53
MW-3-UF-20230222 MS	410-116613-1 MS	03/02/2023 16:35	03/02/2023 16:35
MW-3-UF-20230222 MSD	410-116613-1 MSD	03/02/2023 16:49	03/02/2023 16:49
MW-3-UF-20230222	410-116613-1	03/02/2023 17:04	03/02/2023 17:04
MW-3-F-20230222 MS	410-116613-2 MS	03/02/2023 17:19	03/02/2023 17:19
MW-3-F-20230222 MSD	410-116613-2 MSD	03/02/2023 17:33	03/02/2023 17:33
MW-3-F-20230222	410-116613-2	03/02/2023 17:48	03/02/2023 17:48
EB-UF-20230222	410-116613-3	03/02/2023 18:02	03/02/2023 18:02
EB-F-20230222	410-116613-4	03/02/2023 18:17	03/02/2023 18:17
MW-5-UF-20230222	410-116613-5	03/02/2023 18:32	03/02/2023 18:32
MW-5-F-20230222	410-116613-6	03/02/2023 18:46	03/02/2023 18:46
MW-4-UF-20230222	410-116613-7	03/02/2023 19:01	03/02/2023 19:01
MW-4-F-20230222	410-116613-8	03/02/2023 19:15	03/02/2023 19:15
MW-2D-UF-20230222	410-116613-9	03/02/2023 19:30	03/02/2023 19:30
MW-2D-F-20230222	410-116613-10	03/02/2023 19:45	03/02/2023 19:45
DUP-UF-20230222	410-116613-11	03/02/2023 19:59	03/02/2023 19:59
DUP-F-20230222	410-116613-12	03/02/2023 20:14	03/02/2023 20:14

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Sample No.: ICRT 410-347154/17 Date Analyzed: 02/23/2023 08:20

Instrument ID: 9147 GC Column: MR2 ID:

Lab File ID (Standard): 41PEST23024020.017. Heated Purge: (Y/N) N

Calibration ID: 47491

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

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				1.86	6.55	
UPPER LIMIT				1.89	6.58	
LOWER LIMIT				1.83	6.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-347154/17		02/23/2023 08:20	41PEST2302402 0.017.D	1.86	6.55	
ICV 410-347154/21		02/23/2023 09:18	41PEST2302402 0.021.D	1.86	6.55	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Sample No.: ICRT 410-347154/17 Date Analyzed: 02/23/2023 08:20

Instrument ID: 9147 GC Column: MR2 ID:

Lab File ID (Standard): 41PEST23024020.017. Heated Purge: (Y/N) N

Calibration ID: 47492

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

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				2.57	7.12	
UPPER LIMIT				2.60	7.15	
LOWER LIMIT				2.54	7.09	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-347154/17		02/23/2023 08:20	41PEST2302402 0.017.D	2.57	7.12	
ICV 410-347154/21		02/23/2023 09:18	41PEST2302402 0.021.D	2.57	7.11	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Sample No.: CCVRT 410-349358/3 Date Analyzed: 03/02/2023 00:07

Instrument ID: 9147 GC Column: MR2 ID:

Lab File ID (Standard): 41PEST23024025.003. Heated Purge: (Y/N) N

Calibration ID: 47491

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.86	6.55	
UPPER LIMIT				1.89	6.58	
LOWER LIMIT				1.83	6.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-349358/3		03/02/2023 00:07	41PEST2302402 5.003.D	1.86	6.55	
PEM 410-349358/7		03/02/2023 01:06	41PEST2302402 5.007.D	1.86	6.54	
MB 410-348994/1-A		03/02/2023 02:38	41PEST2302402 5.012.D	1.86	6.55	
LCS 410-348994/2-A		03/02/2023 02:53	41PEST2302402 5.013.D	1.86	6.55	
CCV 410-349358/21		03/02/2023 04:50	41PEST2302402 5.021.D	1.86	6.55	
PIBLK 410-349358/37		03/02/2023 08:45	41PEST2302402 5.037.D	1.86	6.54	
PEM 410-349358/55		03/02/2023 13:09	41PEST2302402 5.055.D	1.86	6.54	
PIBLK 410-349358/65		03/02/2023 15:36	41PEST2302402 5.065.D	1.86	6.55	
CCV 410-349358/66		03/02/2023 15:51	41PEST2302402 5.066.D	1.86	6.55	
410-116613-1 MS	MW-3-UF-20230222 MS	03/02/2023 16:35	41PEST2302402 5.069.D	1.86	6.55	
410-116613-1 MSD	MW-3-UF-20230222 MSD	03/02/2023 16:49	41PEST2302402 5.070.D	1.86	6.55	
410-116613-1	MW-3-UF-20230222	03/02/2023 17:04	41PEST2302402 5.071.D	1.86	6.54	
410-116613-2 MS	MW-3-F-20230222 MS	03/02/2023 17:19	41PEST2302402 5.072.D	1.86	6.54	
410-116613-2 MSD	MW-3-F-20230222 MSD	03/02/2023 17:33	41PEST2302402 5.073.D	1.86	6.54	
410-116613-2	MW-3-F-20230222	03/02/2023 17:48	41PEST2302402 5.074.D	1.86	6.54	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Sample No.: CCVRT 410-349358/3 Date Analyzed: 03/02/2023 00:07

Instrument ID: 9147 GC Column: MR2 ID:

Lab File ID (Standard): 41PEST23024025.003. Heated Purge: (Y/N) N

Calibration ID: 47491

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.86	6.55	
UPPER LIMIT				1.89	6.58	
LOWER LIMIT				1.83	6.52	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
410-116613-3	EB-UF-20230222	03/02/2023 18:02	41PEST2302402 5.075.D	1.87	6.55	
410-116613-4	EB-F-20230222	03/02/2023 18:17	41PEST2302402 5.076.D	1.86	6.54	
410-116613-5	MW-5-UF-20230222	03/02/2023 18:32	41PEST2302402 5.077.D	1.86	6.54	
410-116613-6	MW-5-F-20230222	03/02/2023 18:46	41PEST2302402 5.078.D	1.86	6.54	
410-116613-7	MW-4-UF-20230222	03/02/2023 19:01	41PEST2302402 5.079.D	1.87	6.55	
410-116613-8	MW-4-F-20230222	03/02/2023 19:15	41PEST2302402 5.080.D	1.86	6.55	
410-116613-9	MW-2D-UF-20230222	03/02/2023 19:30	41PEST2302402 5.081.D	1.86	6.54	
410-116613-10	MW-2D-F-20230222	03/02/2023 19:45	41PEST2302402 5.082.D	1.86	6.54	
410-116613-11	DUP-UF-20230222	03/02/2023 19:59	41PEST2302402 5.083.D	1.86	6.54	
410-116613-12	DUP-F-20230222	03/02/2023 20:14	41PEST2302402 5.084.D	1.86	6.54	
PIBLK 410-349358/85		03/02/2023 20:28	41PEST2302402 5.085.D	1.86	6.55	
CCV 410-349358/86		03/02/2023 20:43	41PEST2302402 5.086.D	1.86	6.55	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Sample No.: CCVRT 410-349358/3 Date Analyzed: 03/02/2023 00:07

Instrument ID: 9147 GC Column: MR2 ID:

Lab File ID (Standard): 41PEST23024025.003. Heated Purge: (Y/N) N

Calibration ID: 47492

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.57	7.12	
UPPER LIMIT				2.60	7.15	
LOWER LIMIT				2.54	7.09	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-349358/3		03/02/2023 00:07	41PEST2302402 5.003.D	2.57	7.12	
PEM 410-349358/7		03/02/2023 01:06	41PEST2302402 5.007.D	2.57	7.12	
MB 410-348994/1-A		03/02/2023 02:38	41PEST2302402 5.012.D	2.58	7.12	
LCS 410-348994/2-A		03/02/2023 02:53	41PEST2302402 5.013.D	2.57	7.11	
CCV 410-349358/21		03/02/2023 04:50	41PEST2302402 5.021.D	2.58	7.12	
PIBLK 410-349358/37		03/02/2023 08:45	41PEST2302402 5.037.D	2.57	7.11	
PEM 410-349358/55		03/02/2023 13:09	41PEST2302402 5.055.D	2.57	7.12	
PIBLK 410-349358/65		03/02/2023 15:36	41PEST2302402 5.065.D	2.57	7.12	
CCV 410-349358/66		03/02/2023 15:51	41PEST2302402 5.066.D	2.57	7.12	
410-116613-1 MS	MW-3-UF-20230222 MS	03/02/2023 16:35	41PEST2302402 5.069.D	2.57	7.11	
410-116613-1 MSD	MW-3-UF-20230222 MSD	03/02/2023 16:49	41PEST2302402 5.070.D	2.57	7.11	
410-116613-1	MW-3-UF-20230222	03/02/2023 17:04	41PEST2302402 5.071.D	2.57	7.12	
410-116613-2 MS	MW-3-F-20230222 MS	03/02/2023 17:19	41PEST2302402 5.072.D	2.57	7.12	
410-116613-2 MSD	MW-3-F-20230222 MSD	03/02/2023 17:33	41PEST2302402 5.073.D	2.57	7.12	
410-116613-2	MW-3-F-20230222	03/02/2023 17:48	41PEST2302402 5.074.D	2.57	7.11	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Sample No.: CCVRT 410-349358/3 Date Analyzed: 03/02/2023 00:07

Instrument ID: 9147 GC Column: MR2 ID:

Lab File ID (Standard): 41PEST23024025.003. Heated Purge: (Y/N) N

Calibration ID: 47492

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.57	7.12	
UPPER LIMIT				2.60	7.15	
LOWER LIMIT				2.54	7.09	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
410-116613-3	EB-UF-20230222	03/02/2023 18:02	41PEST2302402 5.075.D	2.57	7.12	
410-116613-4	EB-F-20230222	03/02/2023 18:17	41PEST2302402 5.076.D	2.57	7.12	
410-116613-5	MW-5-UF-20230222	03/02/2023 18:32	41PEST2302402 5.077.D	2.57	7.11	
410-116613-6	MW-5-F-20230222	03/02/2023 18:46	41PEST2302402 5.078.D	2.57	7.12	
410-116613-7	MW-4-UF-20230222	03/02/2023 19:01	41PEST2302402 5.079.D	2.58	7.12	
410-116613-8	MW-4-F-20230222	03/02/2023 19:15	41PEST2302402 5.080.D	2.58	7.12	
410-116613-9	MW-2D-UF-20230222	03/02/2023 19:30	41PEST2302402 5.081.D	2.57	7.11	
410-116613-10	MW-2D-F-20230222	03/02/2023 19:45	41PEST2302402 5.082.D	2.57	7.11	
410-116613-11	DUP-UF-20230222	03/02/2023 19:59	41PEST2302402 5.083.D	2.57	7.12	
410-116613-12	DUP-F-20230222	03/02/2023 20:14	41PEST2302402 5.084.D	2.57	7.11	
PIBLK 410-349358/85		03/02/2023 20:28	41PEST2302402 5.085.D	2.57	7.12	
CCV 410-349358/86		03/02/2023 20:43	41PEST2302402 5.086.D	2.58	7.12	

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 X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-UF-20230222 MS Lab Sample ID: 410-116613-1 MS

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 16:35 Date Analyzed (2): 03/02/2023 16:35

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.46	2.43	2.49	0.0892		13.7
	2		2.99	2.96	3.02	0.0777		
gamma-BHC (Lindane)	1		2.83	2.80	2.86	0.0966		18.6
	2		3.33	3.31	3.37	0.0802		
beta-BHC	1		3.08	3.05	3.11	0.116		8.1
	2		3.59	3.57	3.63	0.107		
Heptachlor	1		3.20	3.17	3.23	0.0867		116.9
	2		3.91	3.89	3.95	0.331		
delta-BHC	1		3.36	3.34	3.40	0.294		114.6
	2		3.84	3.82	3.88	0.0799		
Aldrin	1		3.51	3.48	3.54	0.0697		16.4
	2		4.21	4.18	4.24	0.0591		
Heptachlor epoxide	1		4.01	3.98	4.04	0.0993		5.7
	2		4.58	4.55	4.61	0.0938		
gamma-Chlordane	1		4.21	4.18	4.24	0.0976		10.7
	2		4.84	4.81	4.87	0.0877		
alpha-Chlordane	1		4.30	4.27	4.33	0.101		13.9
	2		4.88	4.85	4.91	0.0881		
Endosulfan I	1		4.34	4.31	4.37	0.0951		13.3
	2		4.91	4.88	4.94	0.0832		
p,p'-DDE	1		4.47	4.44	4.50	0.157		11.2
	2		4.99	4.97	5.03	0.140		
Dieldrin	1		4.58	4.55	4.61	0.173		16.7
	2		5.11	5.08	5.14	0.146		
Endrin	1		4.83	4.80	4.86	0.183		13.5
	2		5.29	5.26	5.32	0.160		
p,p'-DDD	1		4.93	4.90	4.96	0.181		16.6
	2		5.38	5.36	5.42	0.153		
Endosulfan II	1		5.04	5.01	5.07	0.191		13.4
	2		5.48	5.45	5.51	0.167		
p,p'-DDT	1		5.14	5.11	5.17	0.162		27.9
	2		5.61	5.58	5.64	0.123		
Endrin aldehyde	1		5.21	5.18	5.24	0.182		14.7
	2		5.56	5.54	5.60	0.157		
Endosulfan sulfate	1		5.36	5.33	5.39	0.198		12.1
	2		5.77	5.74	5.80	0.175		
Methoxychlor	1		5.63	5.60	5.66	0.877		20.2
	2		5.92	5.89	5.95	0.716		
Endrin ketone	1		5.80	5.77	5.83	0.194		7.9
	2		6.07	6.04	6.10	0.180		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-UF-20230222 MSD Lab Sample ID: 410-116613-1 MSD

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 16:49 Date Analyzed (2): 03/02/2023 16:49

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.46	2.43	2.49	0.0819		14.8
	2		2.99	2.96	3.02	0.0706		
gamma-BHC (Lindane)	1		2.83	2.80	2.86	0.0862		16.1
	2		3.33	3.31	3.37	0.0733		
beta-BHC	1		3.08	3.05	3.11	0.108		8.1
	2		3.59	3.57	3.63	0.0995		
Heptachlor	1		3.20	3.17	3.23	0.0826		104.6
	2		3.91	3.89	3.95	0.264		
delta-BHC	1		3.36	3.34	3.40	0.260		112.2
	2		3.84	3.82	3.88	0.0732		
Aldrin	1		3.51	3.48	3.54	0.0697		29.9
	2		4.21	4.18	4.24	0.0516		
Heptachlor epoxide	1		4.01	3.98	4.04	0.0911		17.7
	2		4.58	4.55	4.61	0.0763		
gamma-Chlordane	1		4.21	4.18	4.24	0.285		111.1
	2		4.84	4.81	4.87	0.0813		
alpha-Chlordane	1		4.30	4.27	4.33	0.0962		25.9
	2		4.88	4.85	4.91	0.0742		
Endosulfan I	1		4.34	4.31	4.37	0.0892		29.2
	2		4.91	4.88	4.94	0.0665		
p,p'-DDE	1		4.47	4.44	4.50	0.154		9.4
	2		4.99	4.97	5.03	0.140		
Dieldrin	1		4.58	4.55	4.61	0.160		13.1
	2		5.11	5.08	5.14	0.141		
Endrin	1		4.83	4.80	4.86	0.176		16.1
	2		5.29	5.26	5.32	0.150		
p,p'-DDD	1		4.93	4.90	4.96	0.175		16.2
	2		5.38	5.36	5.42	0.149		
Endosulfan II	1		5.04	5.01	5.07	0.179		14.6
	2		5.48	5.45	5.51	0.155		
p,p'-DDT	1		5.14	5.11	5.17	0.174		34.1
	2		5.61	5.58	5.64	0.123		
Endrin aldehyde	1		5.21	5.18	5.24	0.172		17.7
	2		5.56	5.54	5.60	0.144		
Endosulfan sulfate	1		5.36	5.33	5.39	0.185		11.6
	2		5.77	5.74	5.80	0.165		
Methoxychlor	1		5.63	5.60	5.66	0.884		23.4
	2		5.92	5.89	5.95	0.699		
Endrin ketone	1		5.80	5.77	5.83	0.185		10.6
	2		6.07	6.04	6.10	0.166		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-F-20230222 MS Lab Sample ID: 410-116613-2 MS

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 17:19 Date Analyzed (2): 03/02/2023 17:19

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.45	2.43	2.49	0.0704		17.6
	2		2.99	2.96	3.02	0.0590		
gamma-BHC (Lindane)	1		2.83	2.80	2.86	0.0742		18.4
	2		3.33	3.31	3.37	0.0617		
beta-BHC	1		3.08	3.05	3.11	0.0870		4.7
	2		3.60	3.57	3.63	0.0831		
Heptachlor	1		3.19	3.17	3.23	0.0747		6.1
	2		3.92	3.89	3.95	0.0703		
delta-BHC	1		3.37	3.34	3.40	0.0714		38.2
	2		3.84	3.82	3.88	0.0485		
Aldrin	1		3.50	3.48	3.54	0.0620		18.9
	2		4.21	4.18	4.24	0.0513		
Heptachlor epoxide	1		4.01	3.98	4.04	0.0752		45.9
	2		4.58	4.55	4.61	0.0471		
gamma-Chlordane	1		4.20	4.18	4.24	0.215		110.8
	2		4.84	4.81	4.87	0.0619		
alpha-Chlordane	1		4.29	4.27	4.33	0.0729		25.1
	2		4.88	4.85	4.91	0.0566		
Endosulfan I	1		4.34	4.31	4.37	0.0729		24.6
	2		4.91	4.88	4.94	0.0569		
p,p'-DDE	1		4.47	4.44	4.50	0.134		13.5
	2		5.00	4.97	5.03	0.117		
Dieldrin	1		4.57	4.55	4.61	0.131		16.9
	2		5.11	5.08	5.14	0.111		
Endrin	1		4.83	4.80	4.86	0.145		16.3
	2		5.29	5.26	5.32	0.123		
p,p'-DDD	1		4.92	4.90	4.96	0.148		19.1
	2		5.39	5.36	5.42	0.122		
Endosulfan II	1		5.04	5.01	5.07	0.146		12.6
	2		5.48	5.45	5.51	0.129		
p,p'-DDT	1		5.13	5.11	5.17	0.152		39.9
	2		5.61	5.58	5.64	0.102		
Endrin aldehyde	1		5.21	5.18	5.24	0.146		13.8
	2		5.56	5.54	5.60	0.127		
Endosulfan sulfate	1		5.36	5.33	5.39	0.154		12.8
	2		5.77	5.74	5.80	0.136		
Methoxychlor	1		5.63	5.60	5.66	0.777		26.6
	2		5.92	5.89	5.95	0.595		
Endrin ketone	1		5.80	5.77	5.83	0.156		10.4
	2		6.07	6.04	6.10	0.140		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-F-20230222 MSD Lab Sample ID: 410-116613-2 MSD

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 17:33 Date Analyzed (2): 03/02/2023 17:33

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.45	2.43	2.49	0.0902		20.5
	2		2.99	2.96	3.02	0.0734		
gamma-BHC (Lindane)	1		2.83	2.80	2.86	0.0915		14.7
	2		3.33	3.31	3.37	0.0789		
beta-BHC	1		3.08	3.05	3.11	0.115		7.2
	2		3.60	3.57	3.63	0.107		
Heptachlor	1		3.19	3.17	3.23	0.0907		16.2
	2		3.92	3.89	3.95	0.0771		
delta-BHC	1		3.37	3.34	3.40	0.0898		24.6
	2		3.84	3.82	3.88	0.0701		
Aldrin	1		3.50	3.48	3.54	0.0773		17.1
	2		4.21	4.18	4.24	0.0651		
Heptachlor epoxide	1		4.01	3.98	4.04	0.0985		37.1
	2		4.58	4.55	4.61	0.0676		
gamma-Chlordane	1		4.20	4.18	4.24	0.154		61.4
	2		4.84	4.81	4.87	0.0818		
alpha-Chlordane	1		4.29	4.27	4.33	0.0964		23.5
	2		4.88	4.85	4.91	0.0761		
Endosulfan I	1		4.34	4.31	4.37	0.0929		20.8
	2		4.91	4.88	4.94	0.0754		
p,p'-DDE	1		4.47	4.44	4.50	0.170		8.8
	2		5.00	4.97	5.03	0.155		
Dieldrin	1		4.58	4.55	4.61	0.165		10.2
	2		5.11	5.08	5.14	0.149		
Endrin	1		4.83	4.80	4.86	0.189		14.7
	2		5.29	5.26	5.32	0.163		
p,p'-DDD	1		4.92	4.90	4.96	0.192		17.3
	2		5.39	5.36	5.42	0.162		
Endosulfan II	1		5.04	5.01	5.07	0.188		9.3
	2		5.48	5.45	5.51	0.171		
p,p'-DDT	1		5.14	5.11	5.17	0.177		35.6
	2		5.61	5.58	5.64	0.124		
Endrin aldehyde	1		5.21	5.18	5.24	0.183		14.8
	2		5.56	5.54	5.60	0.158		
Endosulfan sulfate	1		5.36	5.33	5.39	0.200		9.0
	2		5.77	5.74	5.80	0.183		
Methoxychlor	1		5.63	5.60	5.66	0.932		23.3
	2		5.92	5.89	5.95	0.737		
Endrin ketone	1		5.80	5.77	5.83	0.201		11.6
	2		6.07	6.04	6.10	0.179		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-5-UF-20230222 Lab Sample ID: 410-116613-5

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 18:32 Date Analyzed (2): 03/02/2023 18:32

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-Chlordane	1		4.29	4.27	4.33	0.0056		29.6
	2		4.89	4.85	4.91	0.0075		
p,p'-DDT	1		5.13	5.11	5.17	0.021		14.4
	2		5.61	5.58	5.64	0.025		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-5-F-20230222 Lab Sample ID: 410-116613-6

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 18:46 Date Analyzed (2): 03/02/2023 18:46

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-Chlordane	1		4.29	4.27	4.33	0.0030		34.9
	2		4.89	4.85	4.91	0.0043		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-4-UF-20230222 Lab Sample ID: 410-116613-7

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 19:01 Date Analyzed (2): 03/02/2023 19:01

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.47	2.43	2.49	0.084		15.3
	2		2.97	2.96	3.02	0.098		
gamma-BHC (Lindane)	1		2.83	2.80	2.86	0.0039		9.2
	2		3.33	3.31	3.37	0.0036		
gamma-Chlordane	1		4.21	4.18	4.24	0.022		5.0
	2		4.84	4.81	4.87	0.024		
alpha-Chlordane	1		4.30	4.27	4.33	0.017		0.5
	2		4.88	4.85	4.91	0.017		
Dieldrin	1		4.58	4.55	4.61	0.59		1.8
	2		5.12	5.08	5.14	0.60		
Endrin	1		4.83	4.80	4.86	0.018		76.3
	2		5.31	5.26	5.32	0.041		
p,p'-DDT	1		5.14	5.11	5.17	0.024		53.1
	2		5.62	5.58	5.64	0.014		
Endosulfan sulfate	1		5.35	5.33	5.39	0.012		28.7
	2		5.76	5.74	5.80	0.0091		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-2D-UF-20230222 Lab Sample ID: 410-116613-9

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 19:30 Date Analyzed (2): 03/02/2023 19:30

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Heptachlor epoxide	1		3.99	3.98	4.04	0.0042		24.5
	2		4.58	4.55	4.61	0.0054		
gamma-Chlordane	1		4.21	4.18	4.24	0.0094		28.7
	2		4.84	4.81	4.87	0.013		
p,p'-DDE	1		4.47	4.44	4.50	0.077		0.8
	2		4.99	4.97	5.03	0.077		
Dieldrin	1		4.58	4.55	4.61	0.014		33.6
	2		5.11	5.08	5.14	0.0099		
p,p'-DDD	1		4.93	4.90	4.96	0.25		1.5
	2		5.38	5.36	5.42	0.26		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-2D-F-20230222 Lab Sample ID: 410-116613-10

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 19:45 Date Analyzed (2): 03/02/2023 19:45

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
p,p'-DDD	1		4.94	4.90	4.96	0.020		99.4
	2		5.38	5.36	5.42	0.0069		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: DUP-UF-20230222 Lab Sample ID: 410-116613-11

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 19:59 Date Analyzed (2): 03/02/2023 19:59

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-Chlordane	1		4.29	4.27	4.33	0.022		17.1
	2		4.88	4.85	4.91	0.019		
Dieldrin	1		4.58	4.55	4.61	0.64		5.0
	2		5.11	5.08	5.14	0.61		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-348994/1-A

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 02:38 Date Analyzed (2): 03/02/2023 02:38

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Heptachlor	1		3.22	3.17	3.23	0.0149		6.1
	2		3.93	3.89	3.95	0.0159		
delta-BHC	1		3.39	3.34	3.40	0.0513		50.9
	2		3.82	3.82	3.88	0.0305		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories E Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-348994/2-A

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 03/02/2023 02:53 Date Analyzed (2): 03/02/2023 02:53

GC Column (1): MR2 ID: GC Column (2): MR2 ID:

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.46	2.43	2.49	0.0857		10.2
	2		2.99	2.96	3.02	0.0774		
gamma-BHC (Lindane)	1		2.83	2.80	2.86	0.0855		7.0
	2		3.33	3.31	3.37	0.0797		
beta-BHC	1		3.08	3.05	3.11	0.0957		2.7
	2		3.59	3.57	3.63	0.0932		
Heptachlor	1		3.20	3.17	3.23	0.0839		31.6
	2		3.92	3.89	3.95	0.0610		
delta-BHC	1		3.37	3.34	3.40	0.0811		2.7
	2		3.84	3.82	3.88	0.0834		
Aldrin	1		3.51	3.48	3.54	0.0695		8.2
	2		4.21	4.18	4.24	0.0640		
Heptachlor epoxide	1		4.01	3.98	4.04	0.0865		7.2
	2		4.58	4.55	4.61	0.0805		
gamma-Chlordane	1		4.21	4.18	4.24	0.104		28.9
	2		4.84	4.81	4.87	0.0775		
alpha-Chlordane	1		4.30	4.27	4.33	0.0845		3.7
	2		4.88	4.85	4.91	0.0814		
Endosulfan I	1		4.34	4.31	4.37	0.0842		3.2
	2		4.91	4.88	4.94	0.0815		
p,p'-DDE	1		4.47	4.44	4.50	0.168		8.8
	2		4.99	4.97	5.03	0.154		
Dieldrin	1		4.58	4.55	4.61	0.161		6.8
	2		5.11	5.08	5.14	0.150		
Endrin	1		4.83	4.80	4.86	0.181		10.9
	2		5.29	5.26	5.32	0.162		
p,p'-DDD	1		4.93	4.90	4.96	0.189		11.4
	2		5.38	5.36	5.42	0.169		
Endosulfan II	1		5.04	5.01	5.07	0.177		9.1
	2		5.48	5.45	5.51	0.162		
p,p'-DDT	1		5.14	5.11	5.17	0.206		28.4
	2		5.61	5.58	5.64	0.155		
Endrin aldehyde	1		5.21	5.18	5.24	0.167		10.5
	2		5.56	5.54	5.60	0.151		
Endosulfan sulfate	1		5.36	5.33	5.39	0.189		10.3
	2		5.77	5.74	5.80	0.170		
Methoxychlor	1		5.64	5.60	5.66	1.07		26.1
	2		5.92	5.89	5.95	0.821		
Endrin ketone	1		5.80	5.77	5.83	0.200		11.4
	2		6.07	6.04	6.10	0.179		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-UF-20230222 Lab Sample ID: 410-116613-1

Matrix: Water Lab File ID: 41PEST23024025.071.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:02

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 245.4(mL) Date Analyzed: 03/02/2023 17:04

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.10	0.010
319-84-6	alpha-BHC	ND		0.10	0.015
5103-71-9	alpha-Chlordane	ND		0.10	0.015
319-85-7	beta-BHC	ND		0.15	0.056
60-57-1	Dieldrin	ND		0.15	0.027
959-98-8	Endosulfan I	ND		0.10	0.022
33213-65-9	Endosulfan II	ND		0.20	0.076
1031-07-8	Endosulfan sulfate	ND		0.15	0.030
72-20-8	Endrin	ND		0.15	0.041
7421-93-4	Endrin aldehyde	ND		0.51	0.10
53494-70-5	Endrin ketone	ND		0.15	0.025
58-89-9	gamma-BHC (Lindane)	ND		0.10	0.010
76-44-8	Heptachlor	ND		0.10	0.010
1024-57-3	Heptachlor epoxide	ND		0.10	0.012
72-43-5	Methoxychlor	ND		0.56	0.15
8001-35-2	Toxaphene	ND		5.1	1.5
72-54-8	p,p'-DDD	ND		0.15	0.025
72-55-9	p,p'-DDE	ND		0.15	0.025
50-29-3	p,p'-DDT	ND		0.15	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	87		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	79		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.071.D
Lims ID: 410-116613-B-1-C
Client ID: MW-3-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 17:04:00 ALS Bottle#: 0 Worklist Smp#: 71
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-1-C df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:37:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						M
1	1.858	1.862	-0.004	150789575H	2.39	M
2	2.572	2.573	-0.001	81936891H	2.34	
					RPD = 2.14	
2 alpha-BHC						
1	2.457	2.457	0.000	243359H	0.002551	
2	2.982	2.993	-0.011	60867H	0.000648	
					RPD = 118.99	
3 Hexachlorobenzene						
1	2.368	2.367	0.001	227042H	0.002765	
2	3.060	3.083	-0.023	3735977H	0.0378	
					RPD = 172.70	
4 gamma-BHC (Lindane)						
1	2.827	2.830	-0.003	365227H	0.004089	
2	3.337	3.335	0.002	500362H	0.005353	
					RPD = 26.79	
5 beta-BHC						
1	3.092	3.082	0.010	2117927H	0.0513	
2	3.590	3.597	-0.007	206389H	0.005955	
					RPD = 158.39	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)						U
1		3.012			ND	
1		3.648				
1		4.215				
1		4.298				
1		5.062				
2		3.718				
2		4.610				
2		4.840				
2		4.917				
2		5.538				
7 delta-BHC						
1	3.357	3.370	-0.013	252470413H	2.44	
2	3.847	3.845	0.002	254588H	0.002355	
					RPD = 199.61	
8 Heptachlor						
1	3.193	3.197	-0.004	2488926H	0.0319	
2	3.913	3.918	-0.005	250704060H	2.35	
					RPD = 194.64	
9 Aldrin						
1	3.510	3.505	0.005	1694376H	0.0175	
2	4.230	4.212	0.018	2778595H	0.0249	
					RPD = 35.06	
10 Isobenzan						
1	3.610	3.618	-0.008	349591H	0.005490	
2	4.313	4.320	-0.007	327687H	0.004319	
					RPD = 23.88	
11 Heptachlor epoxide						
1	4.008	4.010	-0.002	2827526H	0.0305	
2	4.580	4.583	-0.003	13838920H	0.1412	
					RPD = 128.91	
12 2,4'-DDE						
1		4.220			ND	
2		4.713				
13 trans-Chlordane						
1	4.200	4.213	-0.013	65462531H	0.6689	
2	4.842	4.842	0.000	10846875H	0.1128	
					RPD = 142.28	
14 cis-Chlordane						
1	4.292	4.295	-0.003	10594956H	0.1075	
2	4.880	4.882	-0.002	6942241H	0.0768	
					RPD = 33.33	
15 Endosulfan I						
1	4.340	4.340	0.000	4610603H	0.0498	
2	4.920	4.913	0.007	1210289H	0.0132	
					RPD = 115.92	
16 4,4'-DDE						
1	4.468	4.468	0.000	766878H	0.007429	
2	4.997	4.997	0.000	645563H	0.006341	
					RPD = 15.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
17 2,4'-DDD						
1	4.642	4.637	0.005	2616203H	0.0506	
2	5.077	5.072	0.005	411494H	0.009128	
					RPD = 138.90	
18 Dieldrin						
1	4.572	4.578	-0.006	5573523H	0.0537	
2	5.112	5.113	-0.001	2942489H	0.0274	
					RPD = 64.89	
19 Endrin						
1	4.825	4.830	-0.005	1283753H	0.0139	
2	5.288	5.290	-0.002	1237201H	0.0134	
					RPD = 3.55	
20 2,4'-DDT						
1	4.863	4.858	0.005	115885H	0.002472	
2	5.310	5.308	0.002	404823H	0.007979	
					RPD = 105.38	
22 4,4'-DDD						
1	4.933	4.927	0.006	999459H	0.0117	
2	5.390	5.387	0.003	209760H	0.002831	
					RPD = 121.99	
23 Endosulfan II						
1	5.037	5.038	-0.001	8632118H	0.0941	
2	5.487	5.483	0.004	132109H	0.001557	
					RPD = 193.49	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
24 Kepone						
1	4.952	4.942	0.010	658874H	0.0164	
2	5.540	5.542	-0.002	1007710H	0.0284	
					RPD = 53.64	
25 Endrin aldehyde						
1	5.212	5.212	0.000	164487H	0.002162	
2	5.565	5.565	0.000	579360H	0.008960	
					RPD = 122.25	
26 4,4'-DDT						
1	5.130	5.138	-0.008	3507728H	0.0599	
2	5.602	5.613	-0.011	19139419H	0.2960	
					RPD = 132.67	
27 Endosulfan sulfate						
1	5.360	5.362	-0.002	401516H	0.004703	
2	5.770	5.768	0.002	464213H	0.005983	
					RPD = 23.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
28 Methoxychlor						
1	5.627	5.633	-0.006	311737	0.0104	H
2	5.928	5.922	0.006	220244	0.006153	H
					RPD = 51.22	
29 Endrin ketone						
1	5.800	5.798	0.002	1045169	0.0112	H
2	6.073	6.073	0.000	266744	0.003358	H
					RPD = 107.89	
30 Mirex						
1	5.892	5.895	-0.003	679667	0.0116	H
2	6.437	6.433	0.004	291922	0.006931	H
					RPD = 50.00	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.540	6.545	-0.005	242296048	2.59	H
2	7.115	7.118	-0.003	153455520	2.48	H
					RPD = 4.35	
S 32 Total DDTs						
1					0.0624	
2					0.3040	
					RPD = 131.89	
S 33 Endosulfan, Total						
1					0.1439	
2					0.0148	
					RPD = 162.69	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:14 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.071.D

Injection Date: 02-Mar-2023 17:04:00 Instrument ID: 9147

Lims ID: 410-116613-B-1-C Lab Sample ID: 410-116613-1

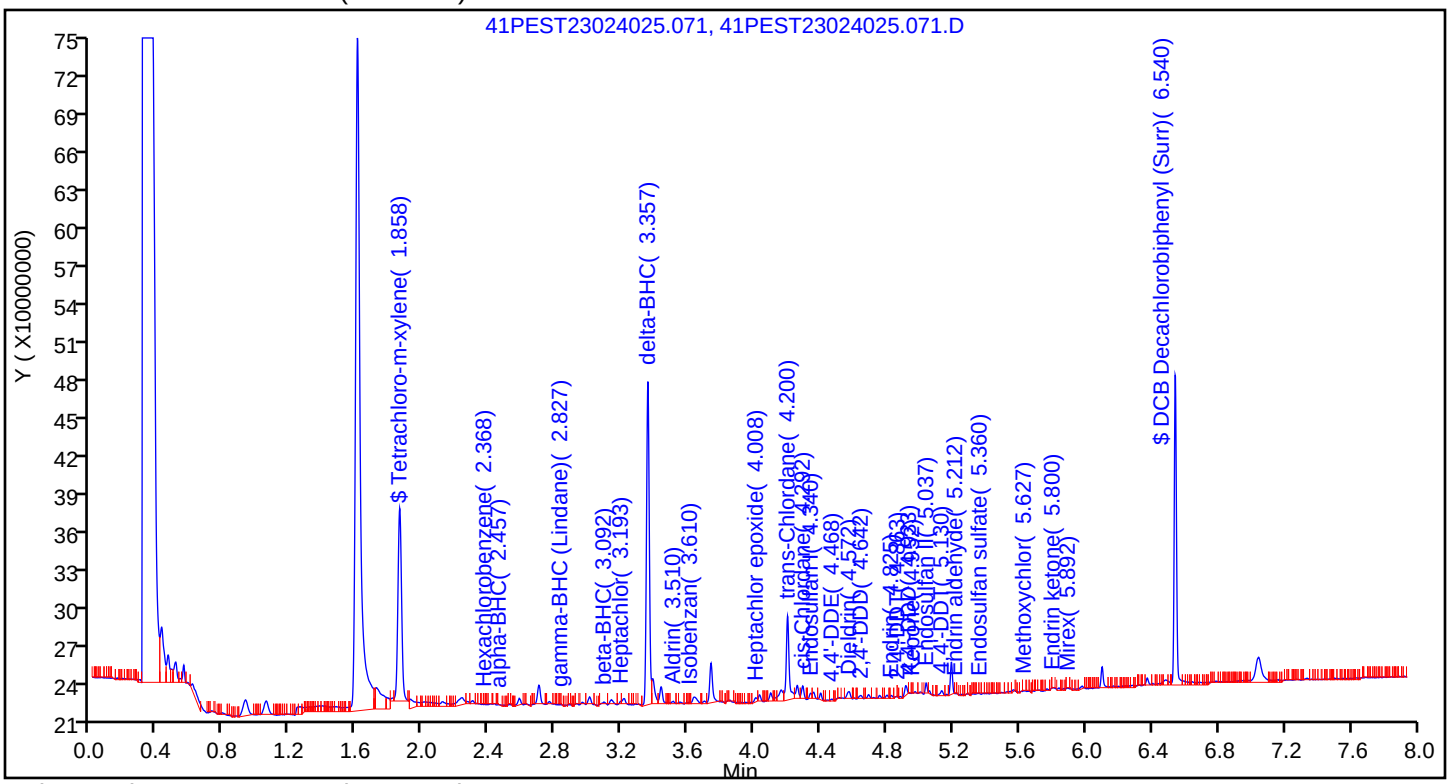
Client ID: MW-3-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 71

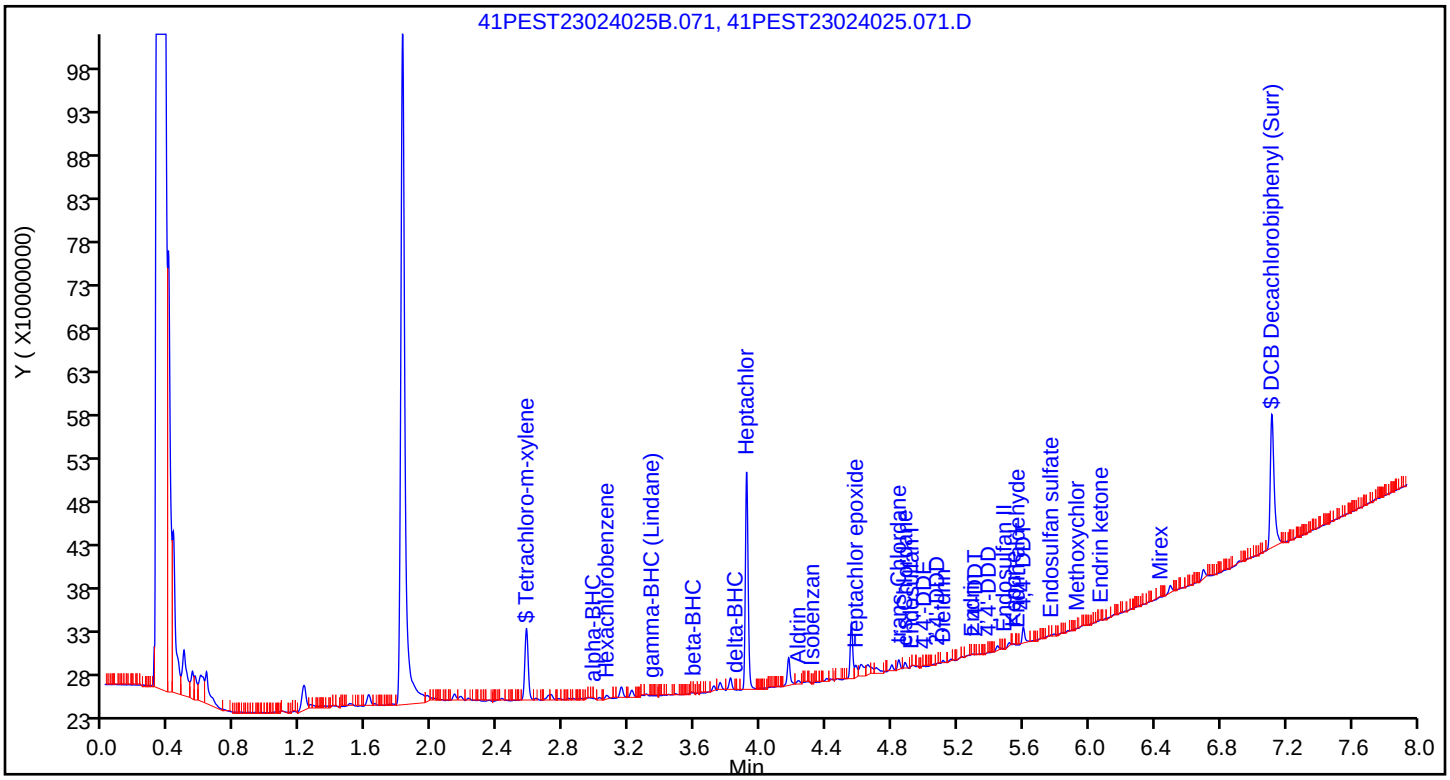
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.071.D				
Lims ID:	410-116613-B-1-C				
Client ID:	MW-3-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 17:04:00	ALS Bottle#:	0	Worklist Smp#:	71
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-1-C df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:37:12		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.39	79.14
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.59	86.98

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.34	77.46
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.48	83.28

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

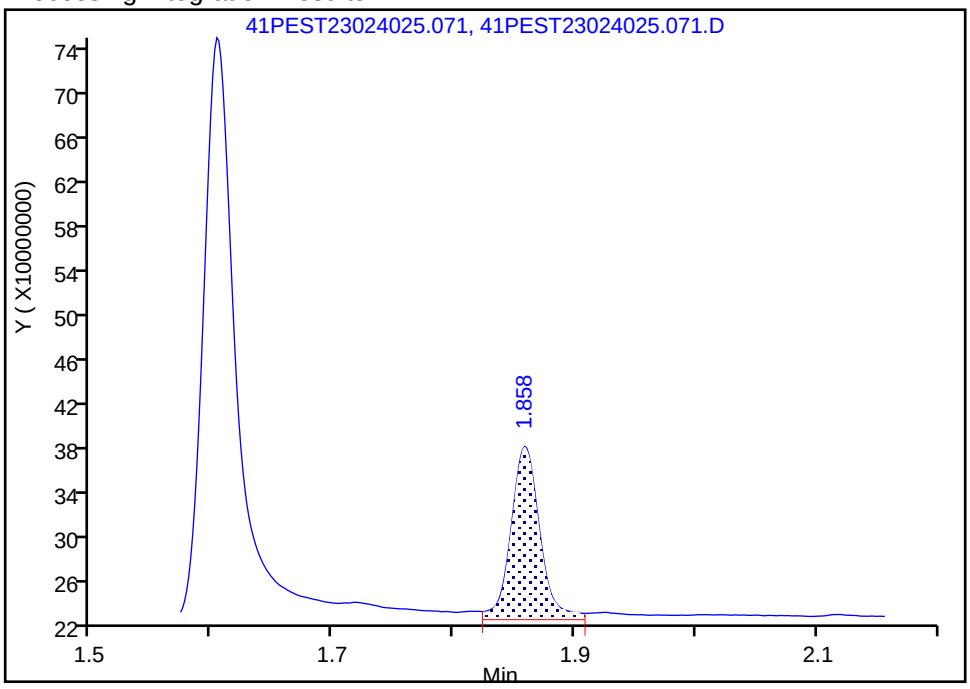
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.071.D				
Injection Date:	02-Mar-2023 17:04:00	Instrument ID:	9147		
Lims ID:	410-116613-B-1-C	Lab Sample ID:	410-116613-1		
Client ID:	MW-3-UF-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	71
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	1AECDA		

$ 1 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

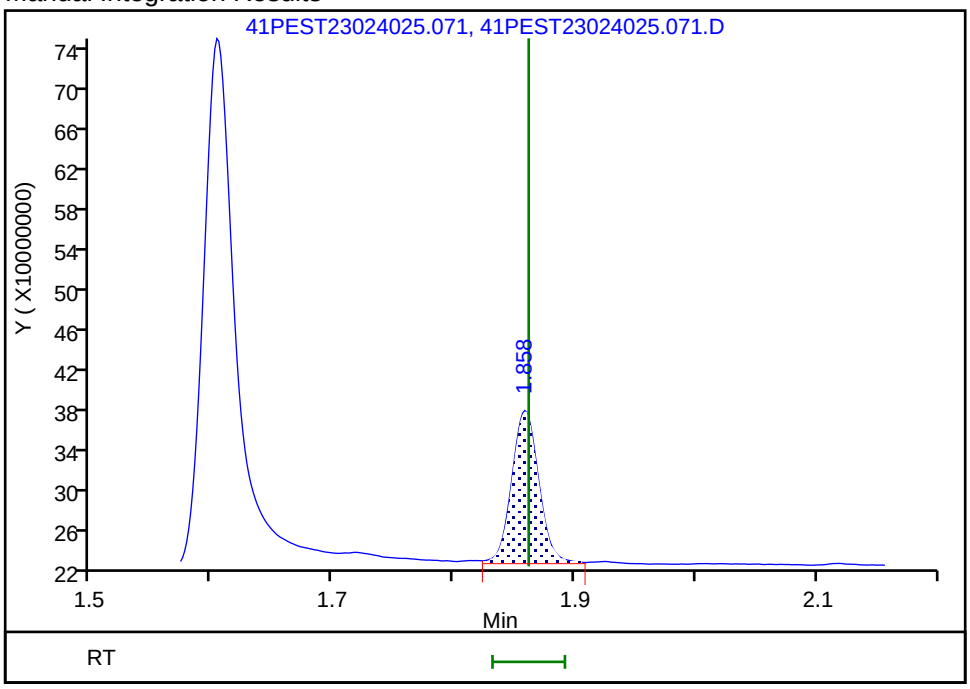
Processing Integration Results

RT: 1.86
Height: 156360020
Amount: 2.475376
Amount Units: ug/l



Manual Integration Results

RT: 1.86
Height: 150789575
Amount: 2.387189
Amount Units: ug/l



Reviewer: UAMZ, 03-Mar-2023 06:36:57
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-UF-20230222 Lab Sample ID: 410-116613-1

Matrix: Water Lab File ID: 41PEST23024025.071.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:02

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 245.4(mL) Date Analyzed: 03/02/2023 17:04

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	ND		0.10	0.017
5103-74-2	gamma-Chlordane	ND		0.20	0.036

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	83		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	77		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.071.D
Lims ID: 410-116613-B-1-C
Client ID: MW-3-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 17:04:00 ALS Bottle#: 0 Worklist Smp#: 71
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-1-C df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:37:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						M
1	1.858	1.862	-0.004	150789575H	2.39	M
2	2.572	2.573	-0.001	81936891H	2.34	
					RPD = 2.14	
2 alpha-BHC						
1	2.457	2.457	0.000	243359H	0.002551	
2	2.982	2.993	-0.011	60867H	0.000648	
					RPD = 118.99	
3 Hexachlorobenzene						
1	2.368	2.367	0.001	227042H	0.002765	
2	3.060	3.083	-0.023	3735977H	0.0378	
					RPD = 172.70	
4 gamma-BHC (Lindane)						
1	2.827	2.830	-0.003	365227H	0.004089	
2	3.337	3.335	0.002	500362H	0.005353	
					RPD = 26.79	
5 beta-BHC						
1	3.092	3.082	0.010	2117927H	0.0513	
2	3.590	3.597	-0.007	206389H	0.005955	
					RPD = 158.39	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)						U
1		3.012			ND	
1		3.648				
1		4.215				
1		4.298				
1		5.062				
2		3.718				
2		4.610				
2		4.840				
2		4.917				
2		5.538				
7 delta-BHC						
1	3.357	3.370	-0.013	252470413H	2.44	
2	3.847	3.845	0.002	254588H	0.002355	
					RPD = 199.61	
8 Heptachlor						
1	3.193	3.197	-0.004	2488926H	0.0319	
2	3.913	3.918	-0.005	250704060H	2.35	
					RPD = 194.64	
9 Aldrin						
1	3.510	3.505	0.005	1694376H	0.0175	
2	4.230	4.212	0.018	2778595H	0.0249	
					RPD = 35.06	
10 Isobenzan						
1	3.610	3.618	-0.008	349591H	0.005490	
2	4.313	4.320	-0.007	327687H	0.004319	
					RPD = 23.88	
11 Heptachlor epoxide						
1	4.008	4.010	-0.002	2827526H	0.0305	
2	4.580	4.583	-0.003	13838920H	0.1412	
					RPD = 128.91	
12 2,4'-DDE						
1		4.220			ND	
2		4.713				
13 trans-Chlordane						
1	4.200	4.213	-0.013	65462531H	0.6689	
2	4.842	4.842	0.000	10846875H	0.1128	
					RPD = 142.28	
14 cis-Chlordane						
1	4.292	4.295	-0.003	10594956H	0.1075	
2	4.880	4.882	-0.002	6942241H	0.0768	
					RPD = 33.33	
15 Endosulfan I						
1	4.340	4.340	0.000	4610603H	0.0498	
2	4.920	4.913	0.007	1210289H	0.0132	
					RPD = 115.92	
16 4,4'-DDE						
1	4.468	4.468	0.000	766878H	0.007429	
2	4.997	4.997	0.000	645563H	0.006341	
					RPD = 15.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
17 2,4'-DDD						
1	4.642	4.637	0.005	2616203H	0.0506	
2	5.077	5.072	0.005	411494H	0.009128	
					RPD = 138.90	
18 Dieldrin						
1	4.572	4.578	-0.006	5573523H	0.0537	
2	5.112	5.113	-0.001	2942489H	0.0274	
					RPD = 64.89	
19 Endrin						
1	4.825	4.830	-0.005	1283753H	0.0139	
2	5.288	5.290	-0.002	1237201H	0.0134	
					RPD = 3.55	
20 2,4'-DDT						
1	4.863	4.858	0.005	115885H	0.002472	
2	5.310	5.308	0.002	404823H	0.007979	
					RPD = 105.38	
22 4,4'-DDD						
1	4.933	4.927	0.006	999459H	0.0117	
2	5.390	5.387	0.003	209760H	0.002831	
					RPD = 121.99	
23 Endosulfan II						
1	5.037	5.038	-0.001	8632118H	0.0941	
2	5.487	5.483	0.004	132109H	0.001557	
					RPD = 193.49	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
24 Kepone						
1	4.952	4.942	0.010	658874H	0.0164	
2	5.540	5.542	-0.002	1007710H	0.0284	
					RPD = 53.64	
25 Endrin aldehyde						
1	5.212	5.212	0.000	164487H	0.002162	
2	5.565	5.565	0.000	579360H	0.008960	
					RPD = 122.25	
26 4,4'-DDT						
1	5.130	5.138	-0.008	3507728H	0.0599	
2	5.602	5.613	-0.011	19139419H	0.2960	
					RPD = 132.67	
27 Endosulfan sulfate						
1	5.360	5.362	-0.002	401516H	0.004703	
2	5.770	5.768	0.002	464213H	0.005983	
					RPD = 23.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
28 Methoxychlor						
1	5.627	5.633	-0.006	311737	0.0104	H
2	5.928	5.922	0.006	220244	0.006153	H
					RPD = 51.22	
29 Endrin ketone						
1	5.800	5.798	0.002	1045169	0.0112	H
2	6.073	6.073	0.000	266744	0.003358	H
					RPD = 107.89	
30 Mirex						
1	5.892	5.895	-0.003	679667	0.0116	H
2	6.437	6.433	0.004	291922	0.006931	H
					RPD = 50.00	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.540	6.545	-0.005	242296048	2.59	H
2	7.115	7.118	-0.003	153455520	2.48	H
					RPD = 4.35	
S 32 Total DDTs						
1					0.0624	
2					0.3040	
					RPD = 131.89	
S 33 Endosulfan, Total						
1					0.1439	
2					0.0148	
					RPD = 162.69	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

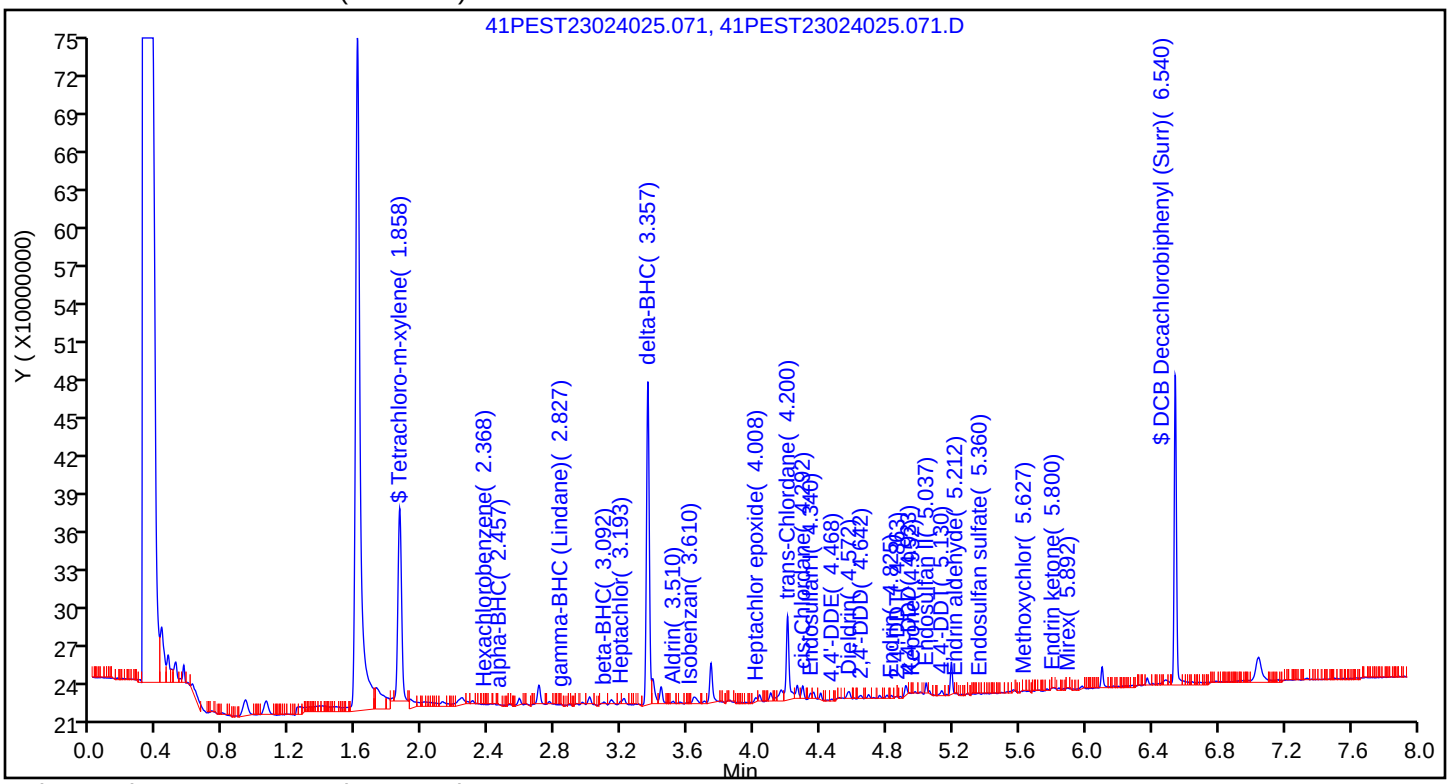
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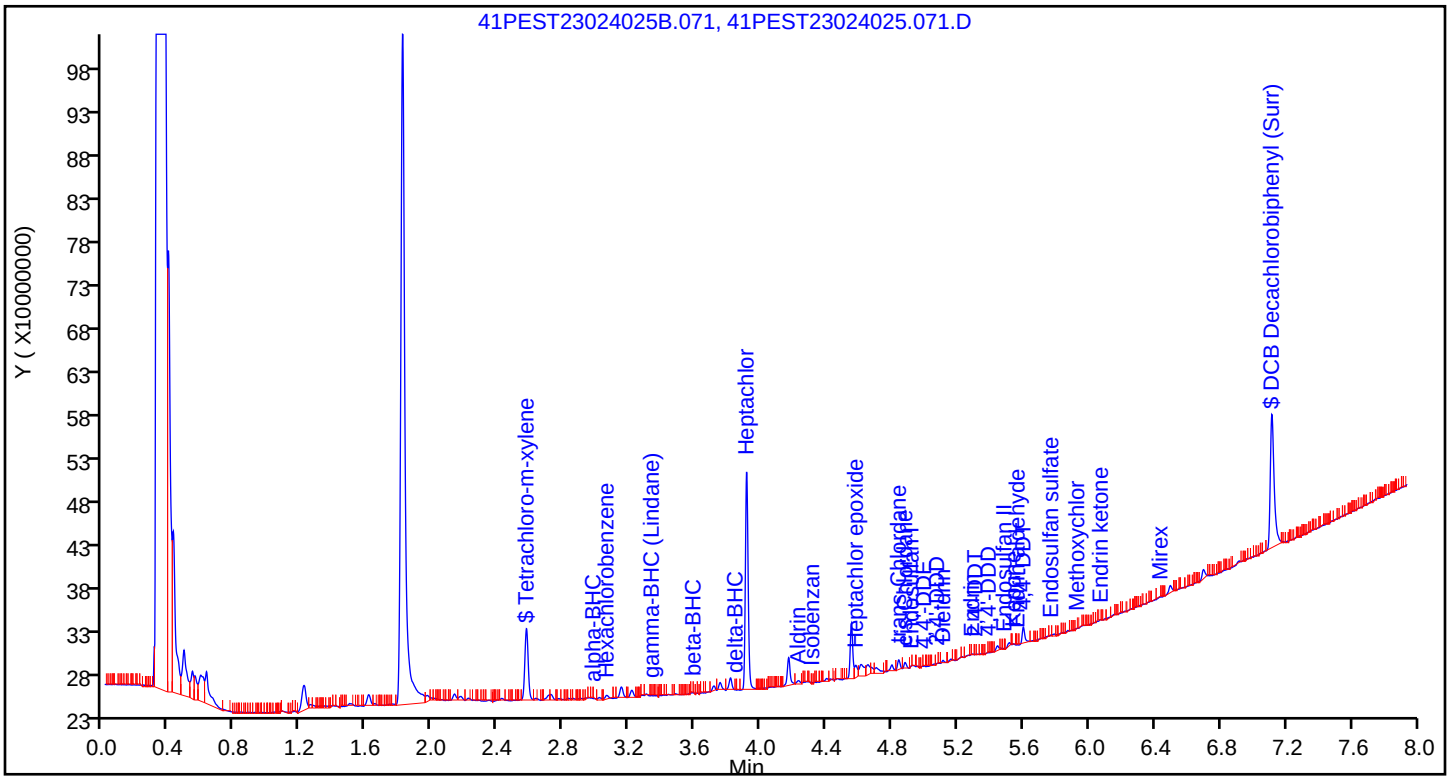
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.071.D				
Injection Date:	02-Mar-2023 17:04:00	Instrument ID:	9147		
Lims ID:	410-116613-B-1-C	Lab Sample ID:	410-116613-1		
Client ID:	MW-3-UF-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	71
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.071.D				
Lims ID:	410-116613-B-1-C				
Client ID:	MW-3-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 17:04:00	ALS Bottle#:	0	Worklist Smp#:	71
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-1-C df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:37:12		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.39	79.14
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.59	86.98

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.34	77.46
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.48	83.28

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-F-20230222 Lab Sample ID: 410-116613-2

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.074.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:07

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 248.4(mL) Date Analyzed: 03/02/2023 17:48

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.10	0.010
319-84-6	alpha-BHC	ND		0.10	0.015
5103-71-9	alpha-Chlordane	ND		0.10	0.015
319-85-7	beta-BHC	ND		0.15	0.055
319-86-8	delta-BHC	ND		0.10	0.017
60-57-1	Dieldrin	ND		0.15	0.027
959-98-8	Endosulfan I	ND		0.10	0.022
33213-65-9	Endosulfan II	ND		0.20	0.075
1031-07-8	Endosulfan sulfate	ND		0.15	0.029
72-20-8	Endrin	ND		0.15	0.041
7421-93-4	Endrin aldehyde	ND	F2	0.50	0.10
53494-70-5	Endrin ketone	ND		0.15	0.025
58-89-9	gamma-BHC (Lindane)	ND		0.10	0.010
76-44-8	Heptachlor	ND		0.10	0.010
1024-57-3	Heptachlor epoxide	ND	F2	0.10	0.012
72-43-5	Methoxychlor	ND		0.55	0.15
8001-35-2	Toxaphene	ND		5.0	1.5
72-54-8	p,p'-DDD	ND		0.15	0.025
72-55-9	p,p'-DDE	ND		0.15	0.025
50-29-3	p,p'-DDT	ND		0.15	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	74		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	64		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.074.D
Lims ID: 410-116613-B-2-C
Client ID: MW-3-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 17:48:00 ALS Bottle#: 0 Worklist Smp#: 74
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-2-C df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:35:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.858	1.862	-0.004	121186131H	1.92	
2	2.570	2.573	-0.003	66861889H	1.91	
					RPD = 0.62	
2 alpha-BHC						
1	2.467	2.457	0.010	324422H	0.003400	
2	2.998	2.993	0.005	87199H	0.000928	
					RPD = 114.24	
3 Hexachlorobenzene						
1	2.358	2.367	-0.009	154971H	0.001887	
2	3.092	3.083	0.009	296360H	0.002995	
					RPD = 45.37	
4 gamma-BHC (Lindane)						
1	2.828	2.830	-0.002	294069H	0.003292	
2	3.333	3.335	-0.002	535641H	0.005731	
					RPD = 54.05	
5 beta-BHC						
1	3.068	3.082	-0.014	268963H	0.006514	
2	3.603	3.597	0.006	210414H	0.006071	
					RPD = 7.03	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)						U
1		3.012			ND	
1		3.648				
1		4.215				
1		4.298				
1		5.062				
2		3.718				
2		4.610				
2		4.840				
2		4.917				
2		5.538				
7 delta-BHC						
1	3.355	3.370	-0.015	88477H	0.000855	
2	3.865	3.845	0.020	1142866H	0.0106	
					RPD = 170.06	
8 Heptachlor						
1	3.188	3.197	-0.009	1180702H	0.0151	
2	3.920	3.918	0.002	40904045H	0.3828	
					RPD = 184.81	
9 Aldrin						
1	3.507	3.505	0.002	1359675H	0.0140	
2	4.232	4.212	0.020	11804954H	0.1060	
					RPD = 153.19	
10 Isobenzan						
1	3.610	3.618	-0.008	5600533H	0.0880	
2	4.327	4.320	0.007	372321H	0.004908	
					RPD = 178.86	
11 Heptachlor epoxide						
1		4.010			ND	
2		4.583				
12 2,4'-DDE						
1	4.248	4.220	0.028	450340H	0.007283	
2	4.702	4.713	-0.011	9953878H	0.1818	
					RPD = 184.59	
13 trans-Chlordane						
1	4.200	4.213	-0.013	227513945H	2.32	
2	4.843	4.842	0.001	1428144H	0.0149	
					RPD = 197.46	
14 cis-Chlordane						
1	4.302	4.295	0.007	1551458H	0.0157	
2	4.888	4.882	0.006	3774021H	0.0417	
					RPD = 90.46	
15 Endosulfan I						
1	4.357	4.340	0.017	10606109H	0.1145	
2	4.922	4.913	0.009	711859H	0.007792	
					RPD = 174.52	
16 4,4'-DDE						
1	4.470	4.468	0.002	736961H	0.007139	
2	4.992	4.997	-0.005	535895H	0.005264	
					RPD = 30.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
17 2,4'-DDD						
1	4.640	4.637	0.003	1248500H	0.0242	
2	5.072	5.072	0.000	232469H	0.005157	
					RPD = 129.64	
18 Dieldrin						
1	4.563	4.578	-0.015	2608872H	0.0251	
2	5.113	5.113	0.000	283656H	0.002641	
					RPD = 161.98	
19 Endrin						
1	4.830	4.830	0.000	940305H	0.0102	
2	5.282	5.290	-0.008	3025367H	0.0327	
					RPD = 105.26	
20 2,4'-DDT						
1	4.853	4.858	-0.005	779514H	0.0166	
2	5.315	5.308	0.007	1033693H	0.0204	
					RPD = 20.24	
22 4,4'-DDD						
1	4.913	4.927	-0.014	4952261H	0.0579	
2	5.382	5.387	-0.005	2240600H	0.0302	
					RPD = 62.77	
23 Endosulfan II						
1	5.038	5.038	0.000	1094326H	0.0119	
2	5.488	5.483	0.005	251718H	0.002967	
					RPD = 120.35	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
24 Kepone						
1	4.938	4.942	-0.004	6797581H	0.1691	
2	5.543	5.542	0.001	2109816H	0.0595	
					RPD = 95.93	
25 Endrin aldehyde						
1	5.217	5.212	0.005	2653138H	0.0349	
2	5.567	5.565	0.002	138157H	0.002137	
					RPD = 176.90	
26 4,4'-DDT						
1	5.130	5.138	-0.008	1746688H	0.0298	
2	5.617	5.613	0.004	397769H	0.006152	
					RPD = 131.62	
27 Endosulfan sulfate						
1	5.365	5.362	0.003	137828H	0.001614	
2	5.772	5.768	0.004	291187H	0.003753	
					RPD = 79.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
28 Methoxychlor						
1	5.625	5.633	-0.008	335231H	0.0112	
2	5.917	5.922	-0.005	564880H	0.0158	
					RPD = 34.19	
29 Endrin ketone						
1	5.797	5.798	-0.001	1040392H	0.0112	
2	6.075	6.073	0.002	319067H	0.004016	
					RPD = 94.22	
30 Mirex						
1	5.887	5.895	-0.008	196156H	0.003334	
2	6.437	6.433	0.004	646451H	0.0153	
					RPD = 128.62	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.542	6.545	-0.003	206415941H	2.21	
2	7.113	7.118	-0.005	132814486H	2.15	
					RPD = 2.77	
S 32 Total DDTs						
1					0.0465	
2					0.0265	
					RPD = 54.63	
S 33 Endosulfan, Total						
1					0.1264	
2					0.0108	
					RPD = 168.63	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

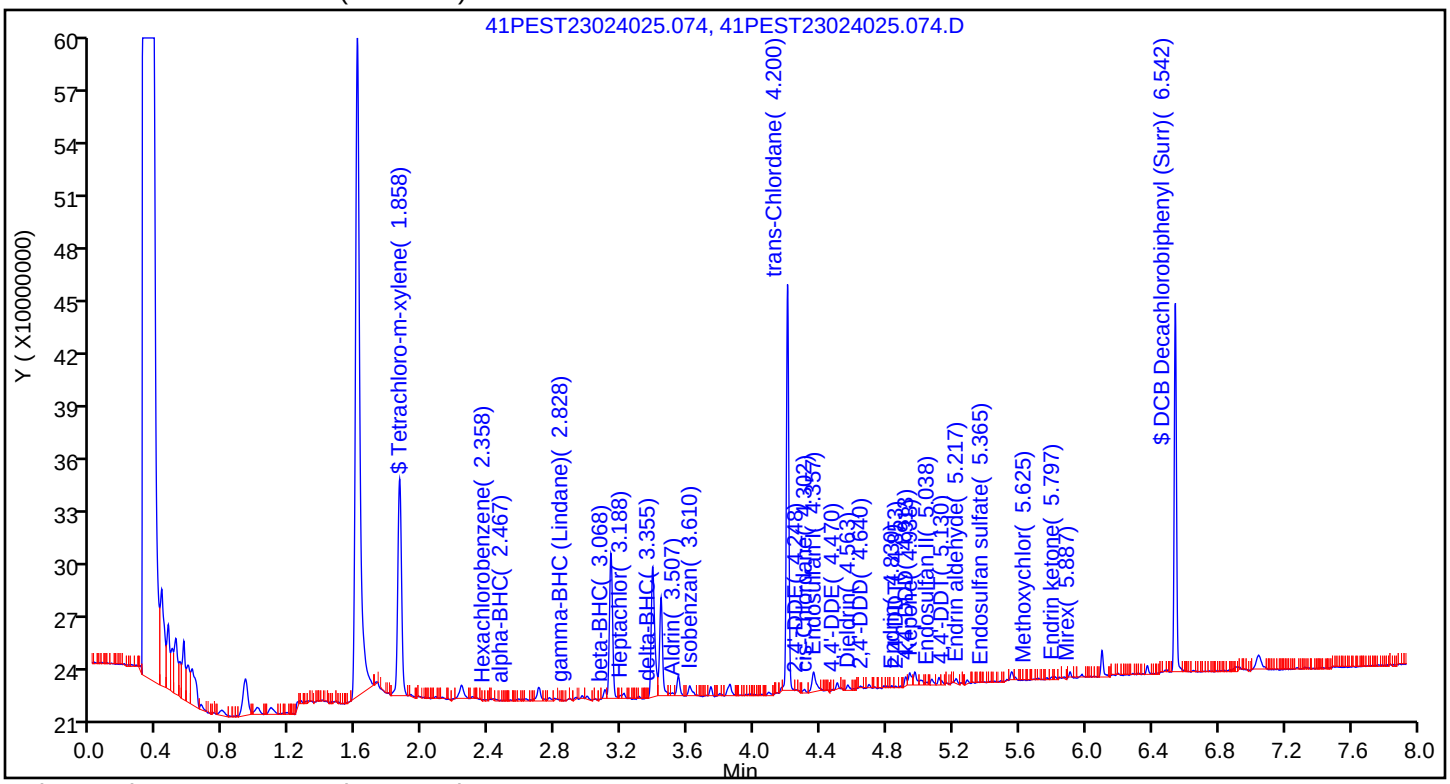
U - Marked Undetected

Report Date: 03-Mar-2023 06:38:20 Chrom Revision: 2.3 02-Mar-2023 15:43:36

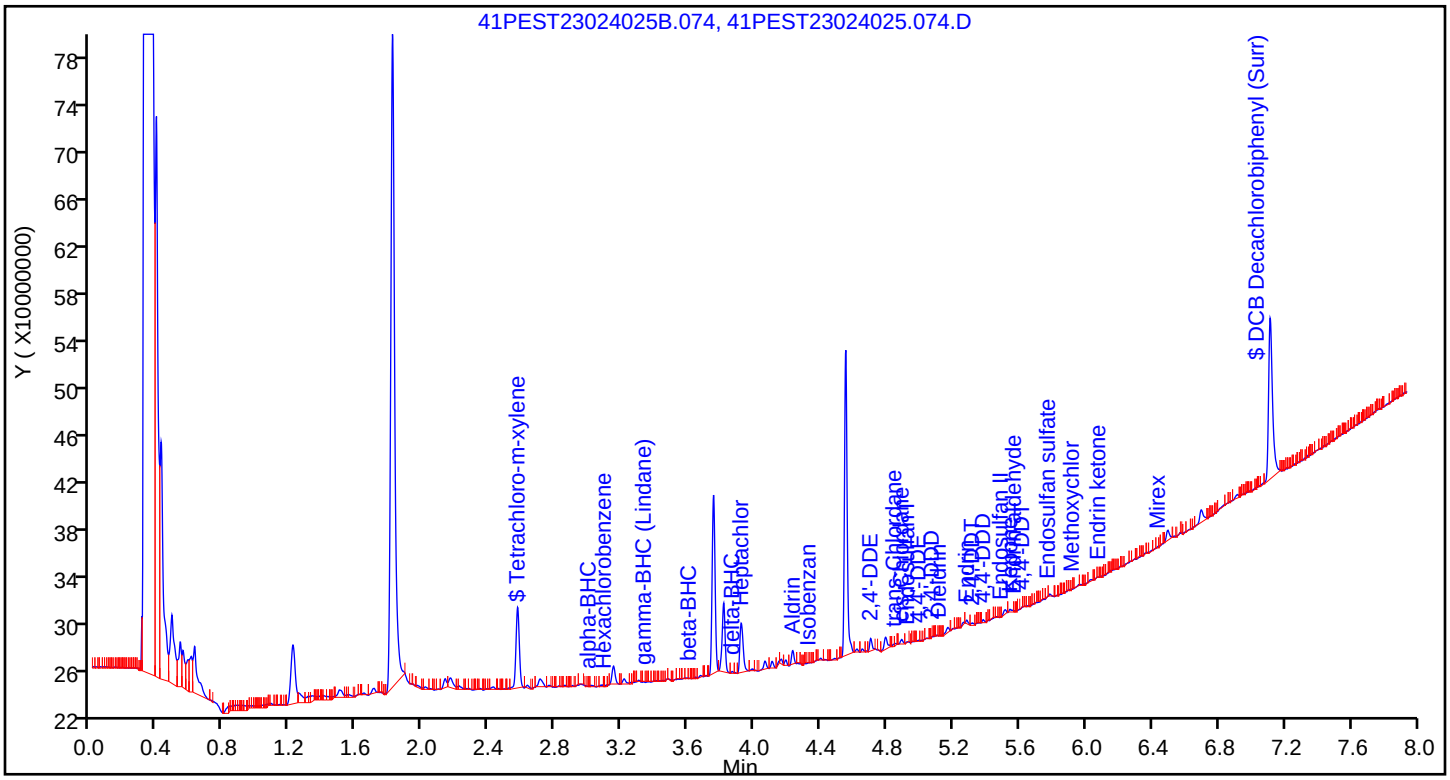
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.074.D				
Injection Date:	02-Mar-2023 17:48:00	Instrument ID:	9147		
Lims ID:	410-116613-B-2-C	Lab Sample ID:	410-116613-2		
Client ID:	MW-3-F-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	74
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.074.D				
Lims ID:	410-116613-B-2-C				
Client ID:	MW-3-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 17:48:00	ALS Bottle#:	0	Worklist Smp#:	74
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-2-C df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:35:35		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.92	63.60
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.21	74.10

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.91	63.21
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.15	72.07

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-F-20230222 Lab Sample ID: 410-116613-2

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.074.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:07

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 248.4(mL) Date Analyzed: 03/02/2023 17:48

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-74-2	gamma-Chlordane	ND		0.20	0.035

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	72		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	63		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.074.D
Lims ID: 410-116613-B-2-C
Client ID: MW-3-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 17:48:00 ALS Bottle#: 0 Worklist Smp#: 74
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-2-C df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:35:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.858	1.862	-0.004	121186131	H 1.92	
2	2.570	2.573	-0.003	66861889	H 1.91	
					RPD = 0.62	
2 alpha-BHC						
1	2.467	2.457	0.010	324422	H 0.003400	
2	2.998	2.993	0.005	87199	H 0.000928	
					RPD = 114.24	
3 Hexachlorobenzene						
1	2.358	2.367	-0.009	154971	H 0.001887	
2	3.092	3.083	0.009	296360	H 0.002995	
					RPD = 45.37	
4 gamma-BHC (Lindane)						
1	2.828	2.830	-0.002	294069	H 0.003292	
2	3.333	3.335	-0.002	535641	H 0.005731	
					RPD = 54.05	
5 beta-BHC						
1	3.068	3.082	-0.014	268963	H 0.006514	
2	3.603	3.597	0.006	210414	H 0.006071	
					RPD = 7.03	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)						U
1		3.012			ND	
1		3.648				
1		4.215				
1		4.298				
1		5.062				
2		3.718				
2		4.610				
2		4.840				
2		4.917				
2		5.538				
7 delta-BHC						
1	3.355	3.370	-0.015	88477H	0.000855	
2	3.865	3.845	0.020	1142866H	0.0106	
					RPD = 170.06	
8 Heptachlor						
1	3.188	3.197	-0.009	1180702H	0.0151	
2	3.920	3.918	0.002	40904045H	0.3828	
					RPD = 184.81	
9 Aldrin						
1	3.507	3.505	0.002	1359675H	0.0140	
2	4.232	4.212	0.020	11804954H	0.1060	
					RPD = 153.19	
10 Isobenzan						
1	3.610	3.618	-0.008	5600533H	0.0880	
2	4.327	4.320	0.007	372321H	0.004908	
					RPD = 178.86	
11 Heptachlor epoxide						
1		4.010			ND	
2		4.583				
12 2,4'-DDE						
1	4.248	4.220	0.028	450340H	0.007283	
2	4.702	4.713	-0.011	9953878H	0.1818	
					RPD = 184.59	
13 trans-Chlordane						
1	4.200	4.213	-0.013	227513945H	2.32	
2	4.843	4.842	0.001	1428144H	0.0149	
					RPD = 197.46	
14 cis-Chlordane						
1	4.302	4.295	0.007	1551458H	0.0157	
2	4.888	4.882	0.006	3774021H	0.0417	
					RPD = 90.46	
15 Endosulfan I						
1	4.357	4.340	0.017	10606109H	0.1145	
2	4.922	4.913	0.009	711859H	0.007792	
					RPD = 174.52	
16 4,4'-DDE						
1	4.470	4.468	0.002	736961H	0.007139	
2	4.992	4.997	-0.005	535895H	0.005264	
					RPD = 30.23	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
17 2,4'-DDD						
1	4.640	4.637	0.003	1248500H	0.0242	
2	5.072	5.072	0.000	232469H	0.005157	
					RPD = 129.64	
18 Dieldrin						
1	4.563	4.578	-0.015	2608872H	0.0251	
2	5.113	5.113	0.000	283656H	0.002641	
					RPD = 161.98	
19 Endrin						
1	4.830	4.830	0.000	940305H	0.0102	
2	5.282	5.290	-0.008	3025367H	0.0327	
					RPD = 105.26	
20 2,4'-DDT						
1	4.853	4.858	-0.005	779514H	0.0166	
2	5.315	5.308	0.007	1033693H	0.0204	
					RPD = 20.24	
22 4,4'-DDD						
1	4.913	4.927	-0.014	4952261H	0.0579	
2	5.382	5.387	-0.005	2240600H	0.0302	
					RPD = 62.77	
23 Endosulfan II						
1	5.038	5.038	0.000	1094326H	0.0119	
2	5.488	5.483	0.005	251718H	0.002967	
					RPD = 120.35	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
24 Kepone						
1	4.938	4.942	-0.004	6797581H	0.1691	
2	5.543	5.542	0.001	2109816H	0.0595	
					RPD = 95.93	
25 Endrin aldehyde						
1	5.217	5.212	0.005	2653138H	0.0349	
2	5.567	5.565	0.002	138157H	0.002137	
					RPD = 176.90	
26 4,4'-DDT						
1	5.130	5.138	-0.008	1746688H	0.0298	
2	5.617	5.613	0.004	397769H	0.006152	
					RPD = 131.62	
27 Endosulfan sulfate						
1	5.365	5.362	0.003	137828H	0.001614	
2	5.772	5.768	0.004	291187H	0.003753	
					RPD = 79.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
28 Methoxychlor						
1	5.625	5.633	-0.008	335231H	0.0112	
2	5.917	5.922	-0.005	564880H	0.0158	
					RPD = 34.19	
29 Endrin ketone						
1	5.797	5.798	-0.001	1040392H	0.0112	
2	6.075	6.073	0.002	319067H	0.004016	
					RPD = 94.22	
30 Mirex						
1	5.887	5.895	-0.008	196156H	0.003334	
2	6.437	6.433	0.004	646451H	0.0153	
					RPD = 128.62	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.542	6.545	-0.003	206415941H	2.21	
2	7.113	7.118	-0.005	132814486H	2.15	
					RPD = 2.77	
S 32 Total DDTs						
1					0.0465	
2					0.0265	
					RPD = 54.63	
S 33 Endosulfan, Total						
1					0.1264	
2					0.0108	
					RPD = 168.63	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

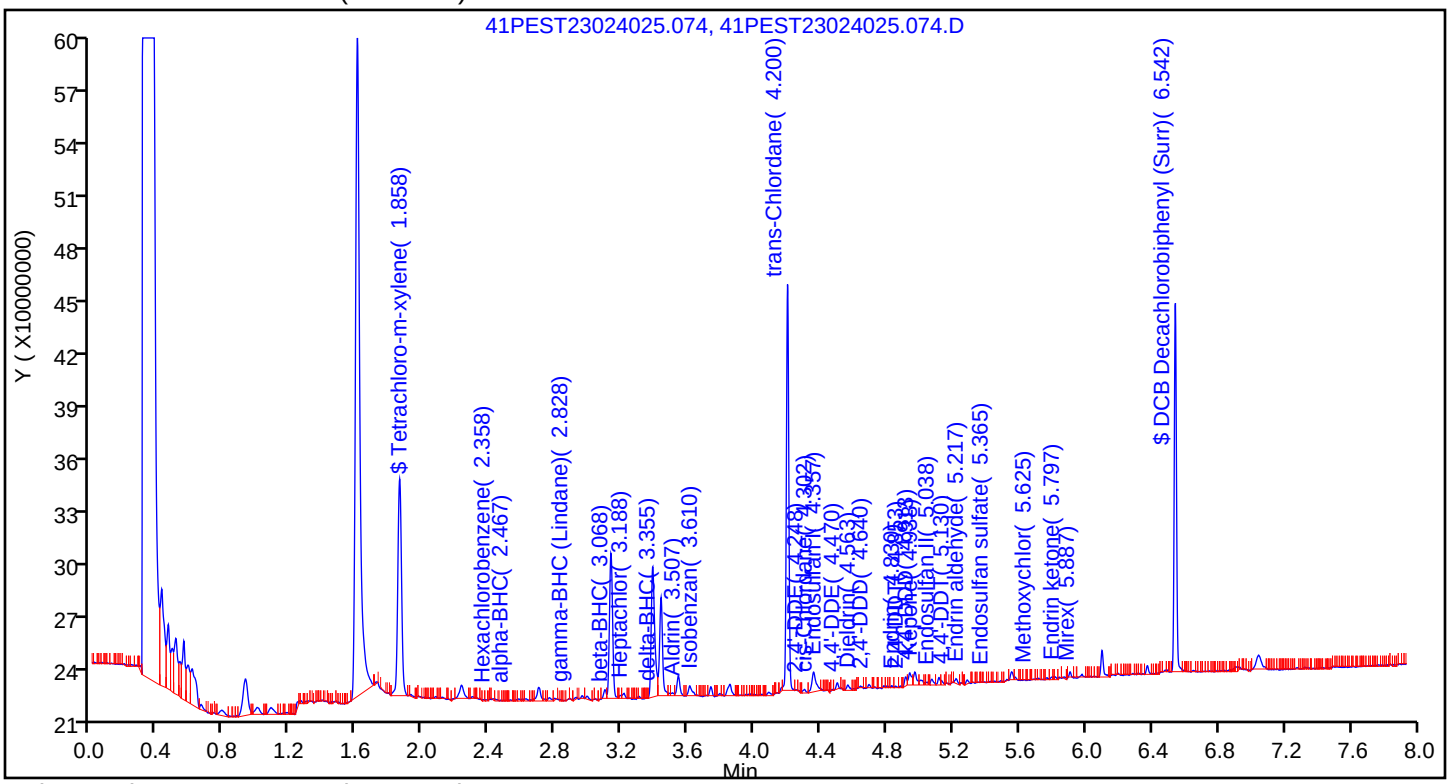
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Report Date: 03-Mar-2023 06:38:21 Chrom Revision: 2.3 02-Mar-2023 15:43:36

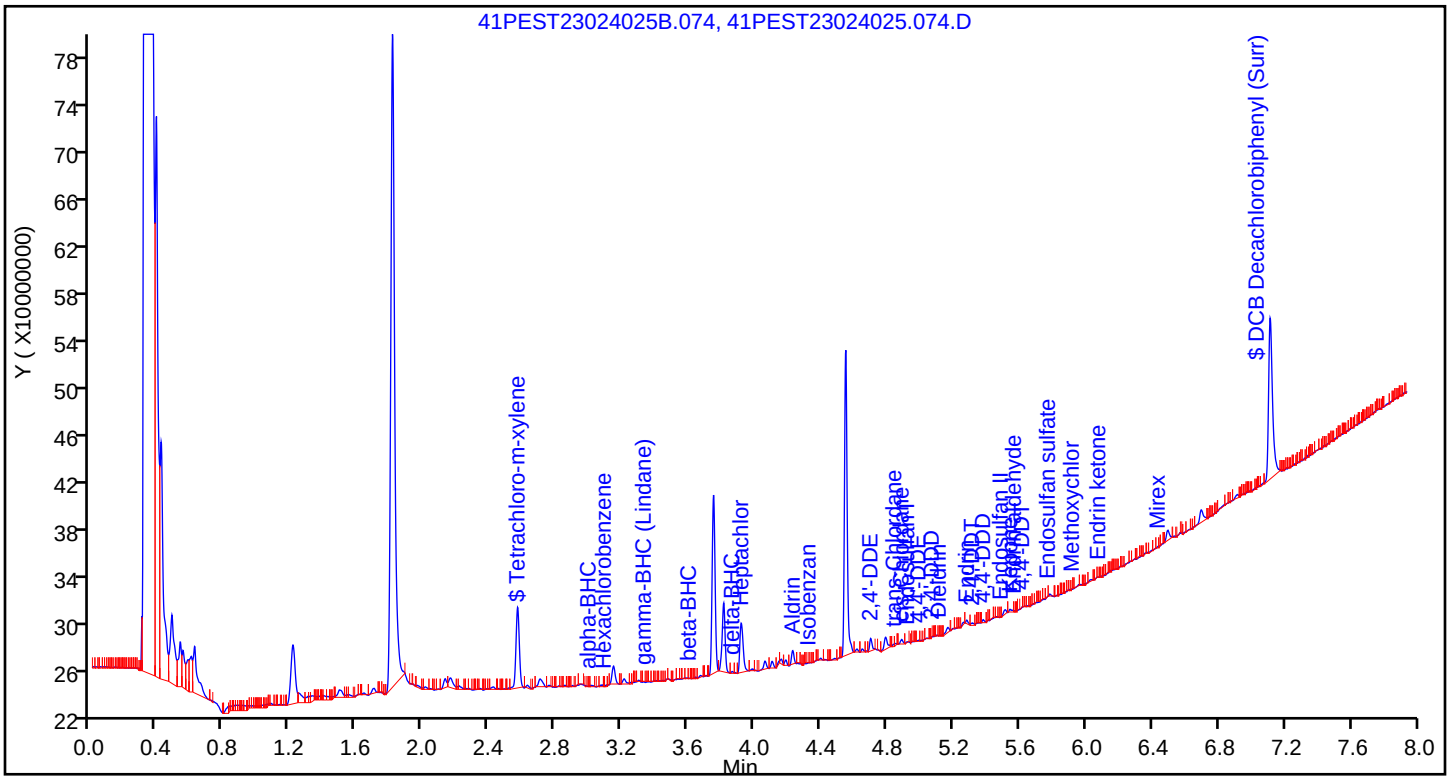
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.074.D				
Injection Date:	02-Mar-2023 17:48:00	Instrument ID:	9147		
Lims ID:	410-116613-B-2-C	Lab Sample ID:	410-116613-2		
Client ID:	MW-3-F-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	74
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.074.D				
Lims ID:	410-116613-B-2-C				
Client ID:	MW-3-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 17:48:00	ALS Bottle#:	0	Worklist Smp#:	74
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-2-C df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:35:35		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.92	63.60
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.21	74.10

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.91	63.21
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.15	72.07

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: EB-UF-20230222 Lab Sample ID: 410-116613-3

Matrix: Water Lab File ID: 41PEST23024025.075.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:45

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 240.6(mL) Date Analyzed: 03/02/2023 18:02

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 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
319-85-7	beta-BHC	ND		0.031	0.011
319-86-8	delta-BHC	ND		0.021	0.0035
60-57-1	Dieldrin	ND		0.031	0.0055
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	0.0060
72-20-8	Endrin	ND		0.031	0.0084
7421-93-4	Endrin aldehyde	ND		0.10	0.021
53494-70-5	Endrin ketone	ND		0.031	0.0052
58-89-9	gamma-BHC (Lindane)	ND		0.021	0.0021
76-44-8	Heptachlor	ND		0.021	0.0021
1024-57-3	Heptachlor epoxide	ND		0.021	0.0024
72-43-5	Methoxychlor	ND		0.11	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
50-29-3	p,p'-DDT	ND		0.031	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	56		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	71		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.075.D
Lims ID: 410-116613-B-3-A
Client ID: EB-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 18:02:00 ALS Bottle#: 0 Worklist Smp#: 75
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-3-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:35:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.865	1.862	0.003	671714988	H 10.6	
2	2.573	2.573	0.000	381390302	H 10.9	
					RPD = 2.25	
2 alpha-BHC						
1	2.457	2.457	0.000	507210	H 0.005316	
2	2.998	2.993	0.005	329430	H 0.003506	
					RPD = 41.04	
4 gamma-BHC (Lindane)						
1	2.840	2.830	0.010	296570	H 0.003320	
2	3.342	3.335	0.007	108203	H 0.001158	
					RPD = 96.59	
5 beta-BHC						
1	3.072	3.082	-0.010	84422	H 0.002045	
2	3.582	3.597	-0.015	1697471	H 0.0490	
					RPD = 183.97	
7 delta-BHC						
1	3.367	3.370	-0.003	107327	H 0.001037	
2	3.863	3.845	0.018	348431	H 0.003223	
					RPD = 102.60	
8 Heptachlor						
1	3.175	3.197	-0.022	244897	H 0.003135	
2	3.925	3.918	0.007	20574145	H 0.1925	
					RPD = 193.59	
9 Aldrin						
1	3.513	3.505	0.008	5249025	H 0.0542	
2	4.190	4.212	-0.022	1489850	H 0.0134	
					RPD = 120.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	4.005	4.010	-0.005	194583H	0.002100	
2	4.608	4.583	0.025	531102H	0.005418	
					RPD = 88.28	
13 trans-Chlordane						
1	4.207	4.213	-0.006	96700938H	0.9880	
2	4.840	4.842	-0.002	77836H	0.000809	
					RPD = 199.67	
14 cis-Chlordane						
1	4.303	4.295	0.008	1603237H	0.0163	
2	4.890	4.882	0.008	1421864H	0.0157	
					RPD = 3.38	
15 Endosulfan I						
1	4.350	4.340	0.010	2629972H	0.0284	
2	4.913	4.913	0.000	367719H	0.004025	
					RPD = 150.34	
16 4,4'-DDE						
1	4.468	4.468	0.000	428438H	0.004150	
2	5.000	4.997	0.003	312507H	0.003070	
					RPD = 29.93	
18 Dieldrin						
1	4.568	4.578	-0.010	9542142H	0.0920	
2	5.115	5.113	0.002	462969H	0.004311	
					RPD = 182.09	
19 Endrin						
1	4.833	4.830	0.003	608103H	0.006565	
2	5.293	5.290	0.003	3624526H	0.0392	
					RPD = 142.60	
22 4,4'-DDD						
1	4.920	4.927	-0.007	3912677H	0.0457	
2	5.380	5.387	-0.007	558657H	0.007540	
					RPD = 143.40	
23 Endosulfan II						
1	5.045	5.038	0.007	1661241H	0.0181	
2	5.490	5.483	0.007	201937H	0.002381	
					RPD = 153.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.212	5.212	0.000	1057120H	0.0139	
2	5.562	5.565	-0.003	127959H	0.001979	
					RPD = 150.13	
26 4,4'-DDT						
1	5.135	5.138	-0.003	12743896H	0.2177	
2	5.625	5.613	0.012	2563333H	0.0396	
					RPD = 138.37	
27 Endosulfan sulfate						
1	5.362	5.362	0.000	186645H	0.002186	
2	5.773	5.768	0.005	252490H	0.003254	
					RPD = 39.25	
28 Methoxychlor						
1	5.635	5.633	0.002	121963H	0.004065	
2	5.930	5.922	0.008	476985H	0.0133	
					RPD = 106.50	
29 Endrin ketone						
1	5.797	5.798	-0.001	416715H	0.004475	
2	6.072	6.073	-0.001	3798101H	0.0478	
					RPD = 165.77	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.547	6.545	0.002	780749402H	8.36	
2	7.117	7.118	-0.001	506790040H	8.20	
					RPD = 1.89	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

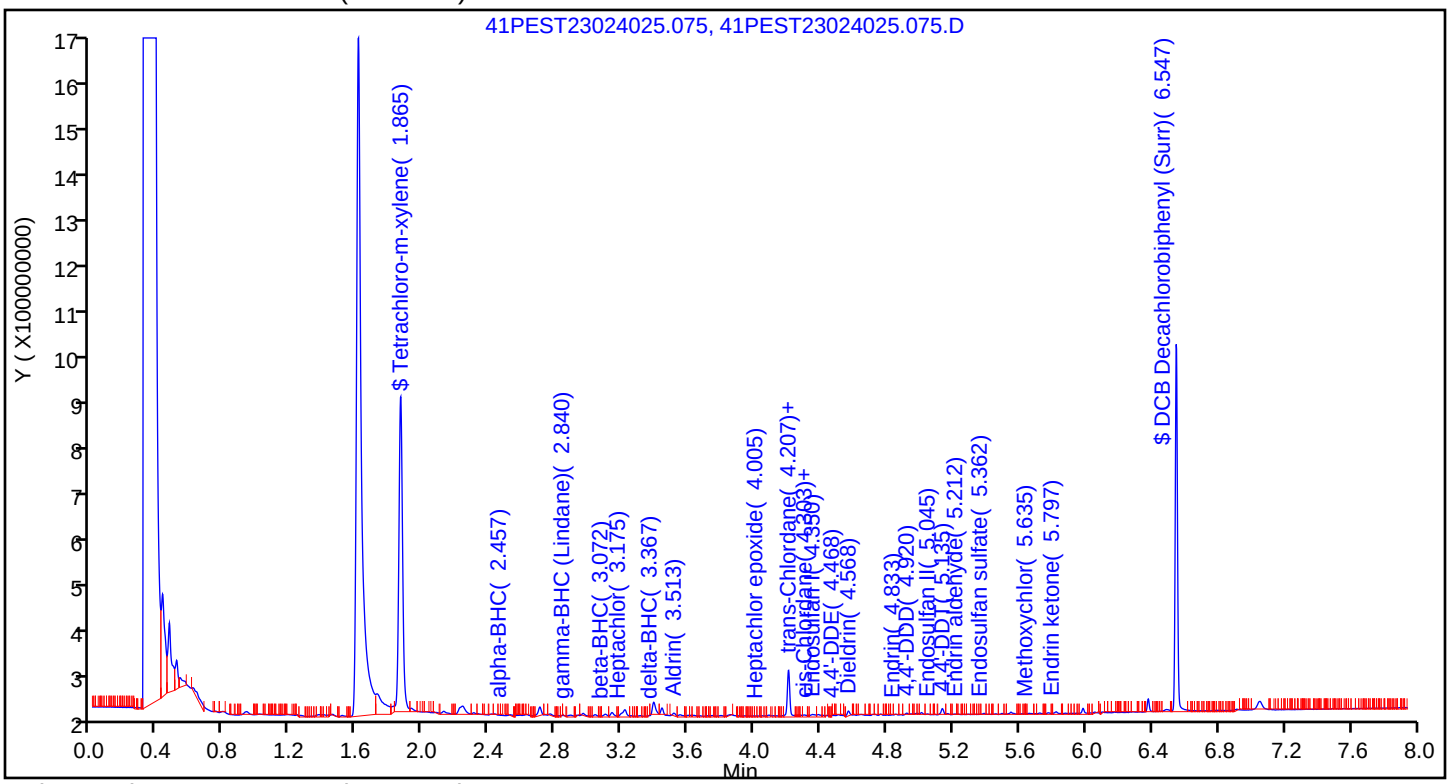
U - Marked Undetected

Report Date: 03-Mar-2023 06:38:22 Chrom Revision: 2.3 02-Mar-2023 15:43:36

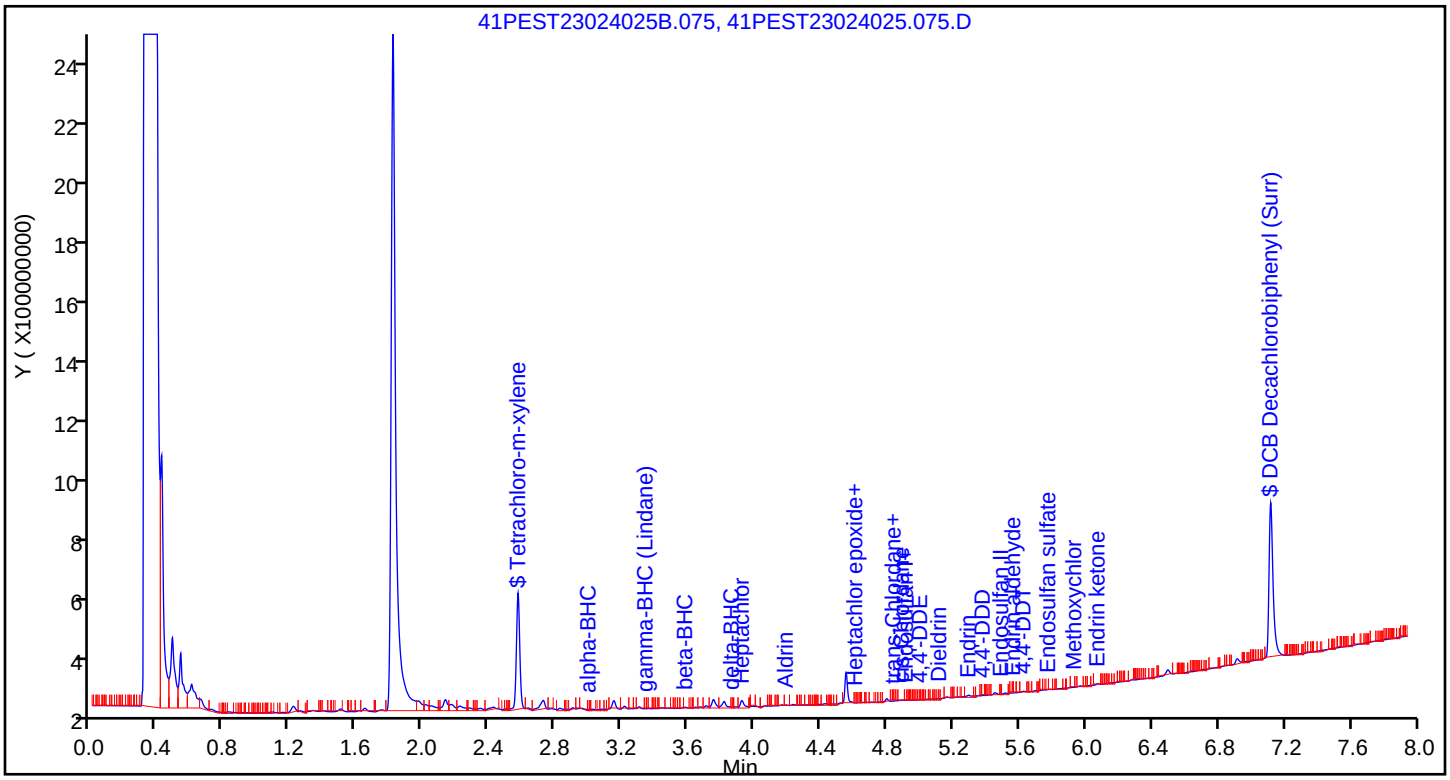
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.075.D				
Injection Date:	02-Mar-2023 18:02:00	Instrument ID:	9147		
Lims ID:	410-116613-B-3-A	Lab Sample ID:	410-116613-3		
Client ID:	EB-UF-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	75
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.075.D				
Lims ID:	410-116613-B-3-A				
Client ID:	EB-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 18:02:00	ALS Bottle#:	0	Worklist Smp#:	75
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-3-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:35:18		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.6	70.51
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	8.36	56.05

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.9	72.11
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	8.20	55.00

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: EB-UF-20230222 Lab Sample ID: 410-116613-3

Matrix: Water Lab File ID: 41PEST23024025.075.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:45

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 240.6(mL) Date Analyzed: 03/02/2023 18:02

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-74-2	gamma-Chlordane	ND		0.042	0.0073

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	55		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	72		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.075.D
Lims ID: 410-116613-B-3-A
Client ID: EB-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 18:02:00 ALS Bottle#: 0 Worklist Smp#: 75
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-3-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:35:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.865	1.862	0.003	671714988	H 10.6	
2	2.573	2.573	0.000	381390302	H 10.9	
					RPD = 2.25	
2 alpha-BHC						
1	2.457	2.457	0.000	507210	H 0.005316	
2	2.998	2.993	0.005	329430	H 0.003506	
					RPD = 41.04	
4 gamma-BHC (Lindane)						
1	2.840	2.830	0.010	296570	H 0.003320	
2	3.342	3.335	0.007	108203	H 0.001158	
					RPD = 96.59	
5 beta-BHC						
1	3.072	3.082	-0.010	84422	H 0.002045	
2	3.582	3.597	-0.015	1697471	H 0.0490	
					RPD = 183.97	
7 delta-BHC						
1	3.367	3.370	-0.003	107327	H 0.001037	
2	3.863	3.845	0.018	348431	H 0.003223	
					RPD = 102.60	
8 Heptachlor						
1	3.175	3.197	-0.022	244897	H 0.003135	
2	3.925	3.918	0.007	20574145	H 0.1925	
					RPD = 193.59	
9 Aldrin						
1	3.513	3.505	0.008	5249025	H 0.0542	
2	4.190	4.212	-0.022	1489850	H 0.0134	
					RPD = 120.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	4.005	4.010	-0.005	194583H	0.002100	
2	4.608	4.583	0.025	531102H	0.005418	
					RPD = 88.28	
13 trans-Chlordane						
1	4.207	4.213	-0.006	96700938H	0.9880	
2	4.840	4.842	-0.002	77836H	0.000809	
					RPD = 199.67	
14 cis-Chlordane						
1	4.303	4.295	0.008	1603237H	0.0163	
2	4.890	4.882	0.008	1421864H	0.0157	
					RPD = 3.38	
15 Endosulfan I						
1	4.350	4.340	0.010	2629972H	0.0284	
2	4.913	4.913	0.000	367719H	0.004025	
					RPD = 150.34	
16 4,4'-DDE						
1	4.468	4.468	0.000	428438H	0.004150	
2	5.000	4.997	0.003	312507H	0.003070	
					RPD = 29.93	
18 Dieldrin						
1	4.568	4.578	-0.010	9542142H	0.0920	
2	5.115	5.113	0.002	462969H	0.004311	
					RPD = 182.09	
19 Endrin						
1	4.833	4.830	0.003	608103H	0.006565	
2	5.293	5.290	0.003	3624526H	0.0392	
					RPD = 142.60	
22 4,4'-DDD						
1	4.920	4.927	-0.007	3912677H	0.0457	
2	5.380	5.387	-0.007	558657H	0.007540	
					RPD = 143.40	
23 Endosulfan II						
1	5.045	5.038	0.007	1661241H	0.0181	
2	5.490	5.483	0.007	201937H	0.002381	
					RPD = 153.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.212	5.212	0.000	1057120H	0.0139	
2	5.562	5.565	-0.003	127959H	0.001979	
					RPD = 150.13	
26 4,4'-DDT						
1	5.135	5.138	-0.003	12743896H	0.2177	
2	5.625	5.613	0.012	2563333H	0.0396	
					RPD = 138.37	
27 Endosulfan sulfate						
1	5.362	5.362	0.000	186645H	0.002186	
2	5.773	5.768	0.005	252490H	0.003254	
					RPD = 39.25	
28 Methoxychlor						
1	5.635	5.633	0.002	121963H	0.004065	
2	5.930	5.922	0.008	476985H	0.0133	
					RPD = 106.50	
29 Endrin ketone						
1	5.797	5.798	-0.001	416715H	0.004475	
2	6.072	6.073	-0.001	3798101H	0.0478	
					RPD = 165.77	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.547	6.545	0.002	780749402H	8.36	
2	7.117	7.118	-0.001	506790040H	8.20	
					RPD = 1.89	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

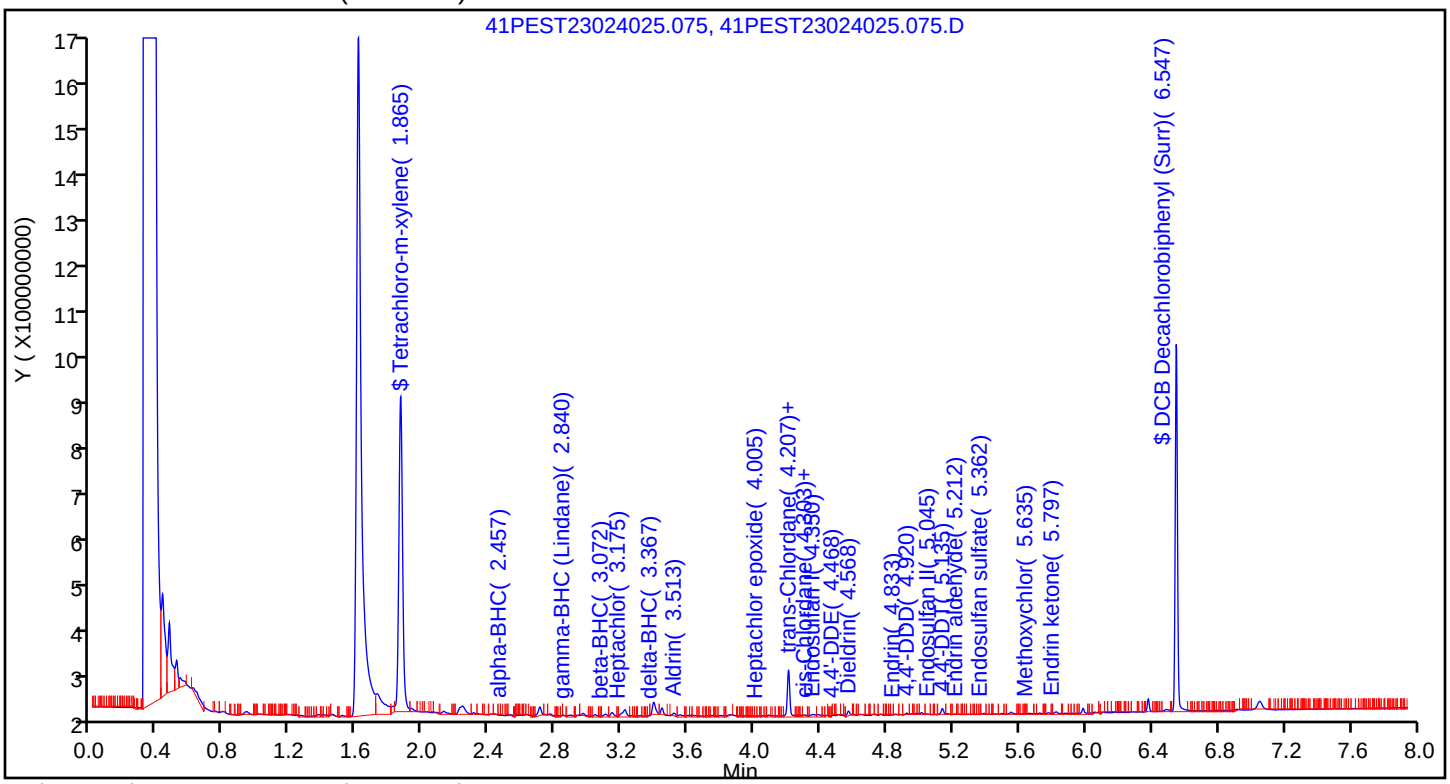
U - Marked Undetected

Report Date: 03-Mar-2023 06:38:23 Chrom Revision: 2.3 02-Mar-2023 15:43:36

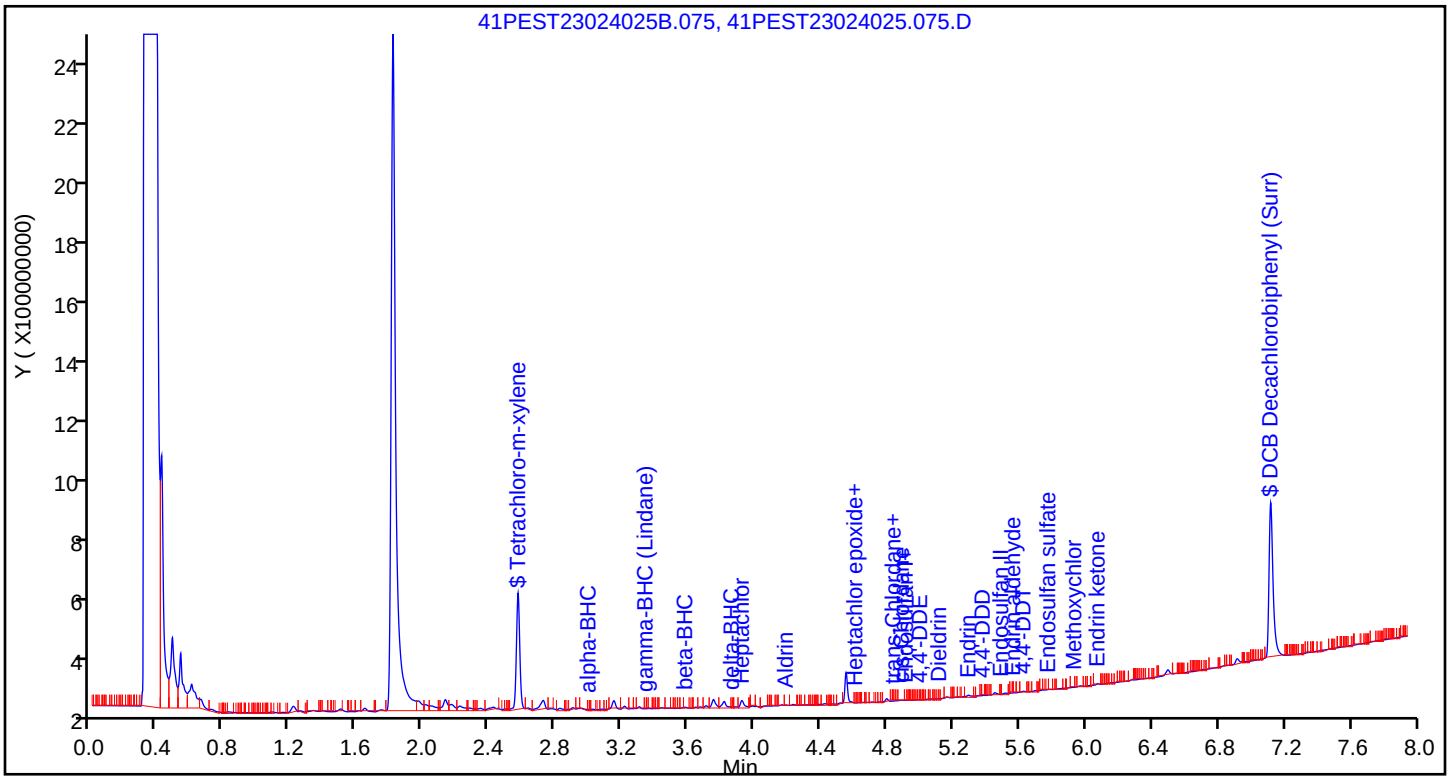
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.075.D				
Injection Date:	02-Mar-2023 18:02:00	Instrument ID:	9147		
Lims ID:	410-116613-B-3-A	Lab Sample ID:	410-116613-3		
Client ID:	EB-UF-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	75
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.075.D				
Lims ID:	410-116613-B-3-A				
Client ID:	EB-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 18:02:00	ALS Bottle#:	0	Worklist Smp#:	75
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-3-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:35:18		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.6	70.51
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	8.36	56.05

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.9	72.11
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	8.20	55.00

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: EB-F-20230222 Lab Sample ID: 410-116613-4

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.076.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:50

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 239.6(mL) Date Analyzed: 03/02/2023 18:17

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 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
319-85-7	beta-BHC	ND		0.031	0.011
319-86-8	delta-BHC	ND		0.021	0.0035
60-57-1	Dieldrin	ND		0.031	0.0055
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
7421-93-4	Endrin aldehyde	ND		0.10	0.021
53494-70-5	Endrin ketone	ND		0.031	0.0052
58-89-9	gamma-BHC (Lindane)	ND		0.021	0.0021
76-44-8	Heptachlor	ND		0.021	0.0021
1024-57-3	Heptachlor epoxide	ND		0.021	0.0024
72-43-5	Methoxychlor	ND		0.11	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
50-29-3	p,p'-DDT	ND		0.031	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	61		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	72		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.076.D
Lims ID: 410-116613-B-4-A
Client ID: EB-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 18:17:00 ALS Bottle#: 0 Worklist Smp#: 76
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-4-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:35:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	687666793	H 10.9	
2	2.572	2.573	-0.001	371587537	H 10.6	
					RPD = 2.70	
2 alpha-BHC						
1	2.458	2.457	0.001	400649	H 0.004199	
2	3.015	2.993	0.022	1379536	H 0.0147	
					RPD = 111.04	
4 gamma-BHC (Lindane)						
1	2.835	2.830	0.005	671175	H 0.007514	
2	3.332	3.335	-0.003	570737	H 0.006106	
					RPD = 20.67	
5 beta-BHC						
1	3.073	3.082	-0.009	100328	H 0.002430	
2	3.598	3.597	0.001	889678	H 0.0257	
					RPD = 165.41	
7 delta-BHC						
1	3.362	3.370	-0.008	421229	H 0.004072	
2	3.847	3.845	0.002	1227549	H 0.0114	
					RPD = 94.43	
8 Heptachlor						
1	3.193	3.197	-0.004	5566927	H 0.0713	
2	3.923	3.918	0.005	13109346	H 0.1227	
					RPD = 53.03	
9 Aldrin						
1	3.510	3.505	0.005	6172860	H 0.0638	
2	4.190	4.212	-0.022	883531	H 0.007933	
					RPD = 155.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	4.010	4.010	0.000	459278H	0.004956	
2	4.600	4.583	0.017	151688H	0.001548	
					RPD = 104.82	
13 trans-Chlordane						
1	4.202	4.213	-0.011	52386125H	0.5352	
2	4.840	4.842	-0.002	453719H	0.004718	
					RPD = 196.50	
14 cis-Chlordane						
1	4.298	4.295	0.003	1640513H	0.0166	
2	4.882	4.882	0.000	659372H	0.007292	
					RPD = 78.14	
15 Endosulfan I						
1	4.343	4.340	0.003	2774274H	0.0300	
2	4.918	4.913	0.005	109985H	0.001204	
					RPD = 184.54	
16 4,4'-DDE						
1	4.460	4.468	-0.008	584022H	0.005657	
2	4.993	4.997	-0.004	317152H	0.003115	
					RPD = 57.95	
18 Dieldrin						
1	4.563	4.578	-0.015	10977854H	0.1058	
2	5.115	5.113	0.002	355157H	0.003307	
					RPD = 187.88	
19 Endrin						
1	4.827	4.830	-0.003	579678H	0.006258	
2	5.292	5.290	0.002	3931341H	0.0425	
					RPD = 148.66	
22 4,4'-DDD						
1	4.915	4.927	-0.012	3642310H	0.0426	
2	5.382	5.387	-0.005	1363836H	0.0184	
					RPD = 79.28	
23 Endosulfan II						
1	5.038	5.038	0.000	1357045H	0.0148	
2	5.483	5.483	0.000	389563H	0.004592	
					RPD = 105.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.213	5.212	0.001	794817H	0.0104	
2	5.560	5.565	-0.005	242834H	0.003755	
					RPD = 94.22	
26 4,4'-DDT						
1	5.130	5.138	-0.008	11015949H	0.1882	
2	5.615	5.613	0.002	305854H	0.004731	
					RPD = 190.19	
27 Endosulfan sulfate						
1	5.363	5.362	0.001	386587H	0.004528	
2	5.770	5.768	0.002	252016H	0.003248	
					RPD = 32.93	
28 Methoxychlor						
1	5.637	5.633	0.004	209920H	0.006996	
2	5.925	5.922	0.003	785827H	0.0220	
					RPD = 103.33	
29 Endrin ketone						
1	5.810	5.798	0.012	873048H	0.009375	
2	6.073	6.073	0.000	1065769H	0.0134	
					RPD = 35.46	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.543	6.545	-0.002	844628880H	9.04	
2	7.115	7.118	-0.003	557610208H	9.02	
					RPD = 0.20	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:24 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.076.D

Injection Date: 02-Mar-2023 18:17:00 Instrument ID: 9147

Lims ID: 410-116613-B-4-A Lab Sample ID: 410-116613-4

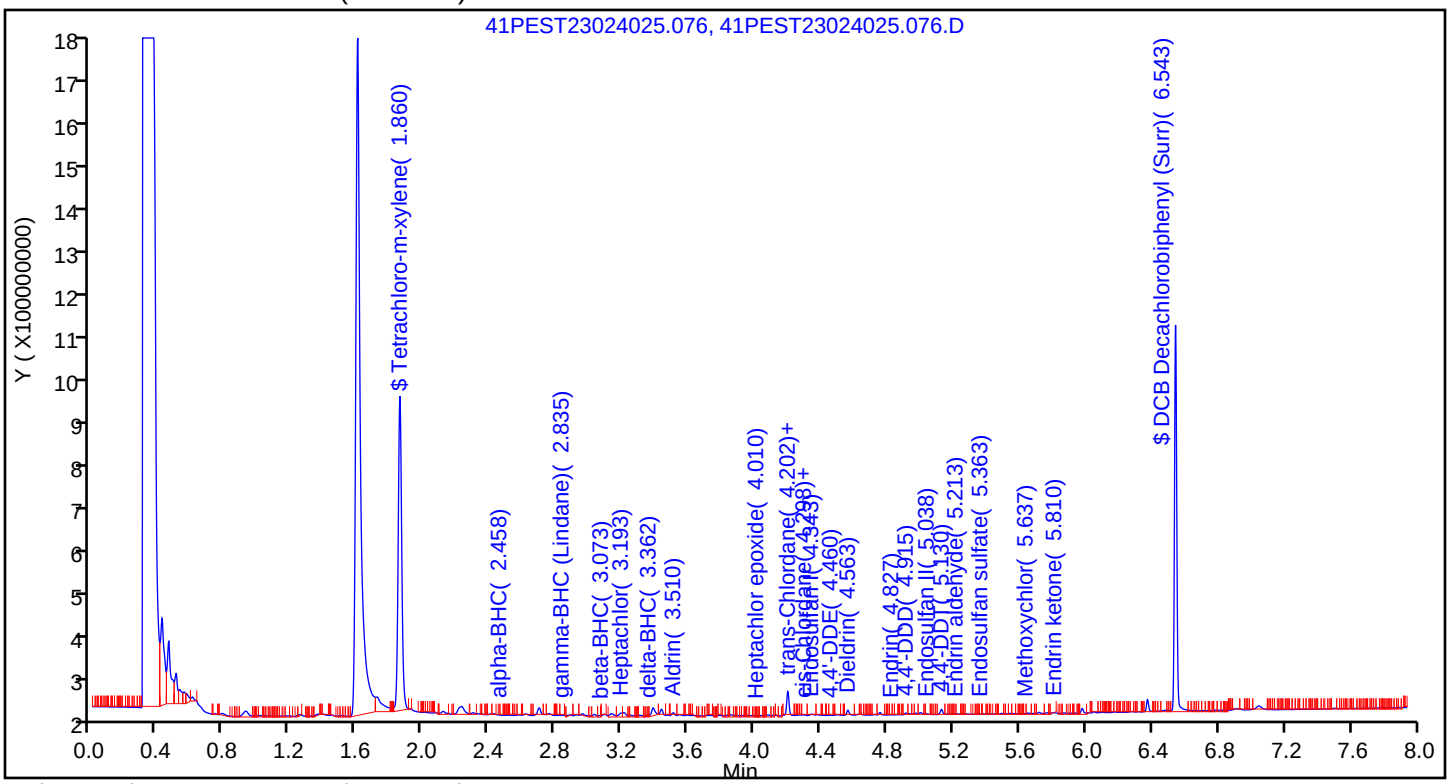
Client ID: EB-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 76

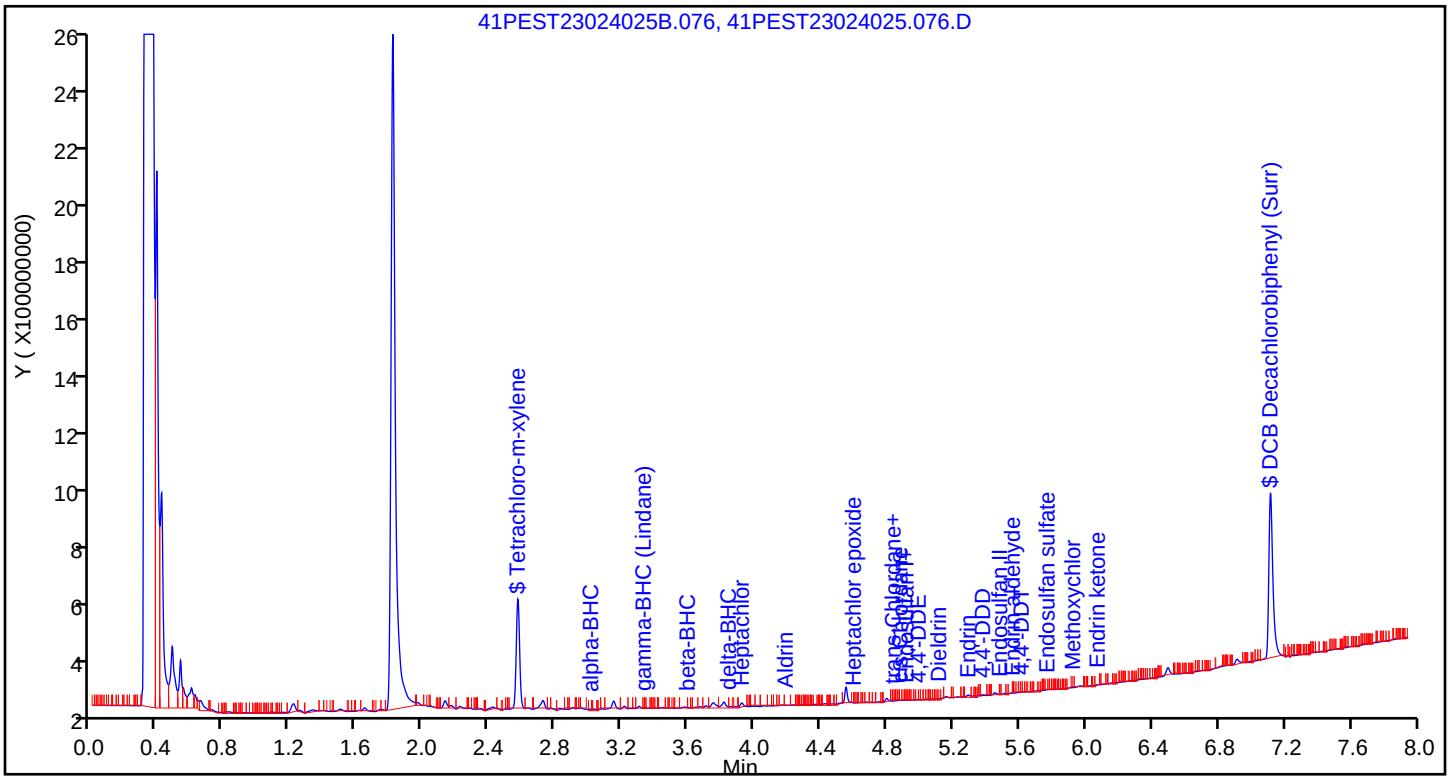
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.076.D				
Lims ID:	410-116613-B-4-A				
Client ID:	EB-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 18:17:00	ALS Bottle#:	0	Worklist Smp#:	76
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-4-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:35:08		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.9	72.18
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.04	60.64

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.6	70.26
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.02	60.52

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: EB-F-20230222 Lab Sample ID: 410-116613-4

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.076.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:50

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 239.6(mL) Date Analyzed: 03/02/2023 18:17

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-74-2	gamma-Chlordane	ND		0.042	0.0073

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	61		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	70		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.076.D
Lims ID: 410-116613-B-4-A
Client ID: EB-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 18:17:00 ALS Bottle#: 0 Worklist Smp#: 76
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-4-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:35:08

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	687666793	H 10.9	
2	2.572	2.573	-0.001	371587537	H 10.6	
					RPD = 2.70	
2 alpha-BHC						
1	2.458	2.457	0.001	400649	H 0.004199	
2	3.015	2.993	0.022	1379536	H 0.0147	
					RPD = 111.04	
4 gamma-BHC (Lindane)						
1	2.835	2.830	0.005	671175	H 0.007514	
2	3.332	3.335	-0.003	570737	H 0.006106	
					RPD = 20.67	
5 beta-BHC						
1	3.073	3.082	-0.009	100328	H 0.002430	
2	3.598	3.597	0.001	889678	H 0.0257	
					RPD = 165.41	
7 delta-BHC						
1	3.362	3.370	-0.008	421229	H 0.004072	
2	3.847	3.845	0.002	1227549	H 0.0114	
					RPD = 94.43	
8 Heptachlor						
1	3.193	3.197	-0.004	5566927	H 0.0713	
2	3.923	3.918	0.005	13109346	H 0.1227	
					RPD = 53.03	
9 Aldrin						
1	3.510	3.505	0.005	6172860	H 0.0638	
2	4.190	4.212	-0.022	883531	H 0.007933	
					RPD = 155.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	4.010	4.010	0.000	459278H	0.004956	
2	4.600	4.583	0.017	151688H	0.001548	
					RPD = 104.82	
13 trans-Chlordane						
1	4.202	4.213	-0.011	52386125H	0.5352	
2	4.840	4.842	-0.002	453719H	0.004718	
					RPD = 196.50	
14 cis-Chlordane						
1	4.298	4.295	0.003	1640513H	0.0166	
2	4.882	4.882	0.000	659372H	0.007292	
					RPD = 78.14	
15 Endosulfan I						
1	4.343	4.340	0.003	2774274H	0.0300	
2	4.918	4.913	0.005	109985H	0.001204	
					RPD = 184.54	
16 4,4'-DDE						
1	4.460	4.468	-0.008	584022H	0.005657	
2	4.993	4.997	-0.004	317152H	0.003115	
					RPD = 57.95	
18 Dieldrin						
1	4.563	4.578	-0.015	10977854H	0.1058	
2	5.115	5.113	0.002	355157H	0.003307	
					RPD = 187.88	
19 Endrin						
1	4.827	4.830	-0.003	579678H	0.006258	
2	5.292	5.290	0.002	3931341H	0.0425	
					RPD = 148.66	
22 4,4'-DDD						
1	4.915	4.927	-0.012	3642310H	0.0426	
2	5.382	5.387	-0.005	1363836H	0.0184	
					RPD = 79.28	
23 Endosulfan II						
1	5.038	5.038	0.000	1357045H	0.0148	
2	5.483	5.483	0.000	389563H	0.004592	
					RPD = 105.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.213	5.212	0.001	794817H	0.0104	
2	5.560	5.565	-0.005	242834H	0.003755	
					RPD = 94.22	
26 4,4'-DDT						
1	5.130	5.138	-0.008	11015949H	0.1882	
2	5.615	5.613	0.002	305854H	0.004731	
					RPD = 190.19	
27 Endosulfan sulfate						
1	5.363	5.362	0.001	386587H	0.004528	
2	5.770	5.768	0.002	252016H	0.003248	
					RPD = 32.93	
28 Methoxychlor						
1	5.637	5.633	0.004	209920H	0.006996	
2	5.925	5.922	0.003	785827H	0.0220	
					RPD = 103.33	
29 Endrin ketone						
1	5.810	5.798	0.012	873048H	0.009375	
2	6.073	6.073	0.000	1065769H	0.0134	
					RPD = 35.46	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.543	6.545	-0.002	844628880H	9.04	
2	7.115	7.118	-0.003	557610208H	9.02	
					RPD = 0.20	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:24 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.076.D

Injection Date: 02-Mar-2023 18:17:00 Instrument ID: 9147

Lims ID: 410-116613-B-4-A Lab Sample ID: 410-116613-4

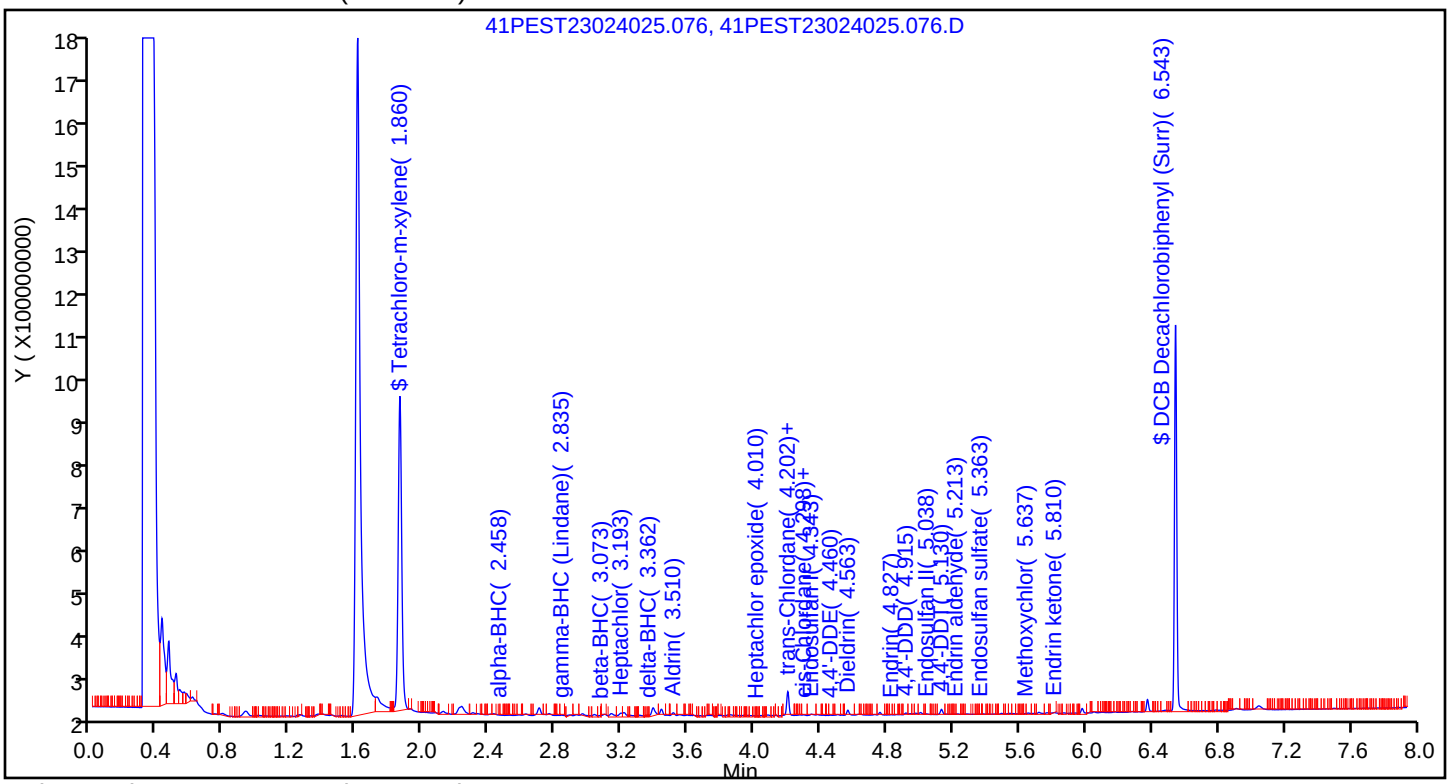
Client ID: EB-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 76

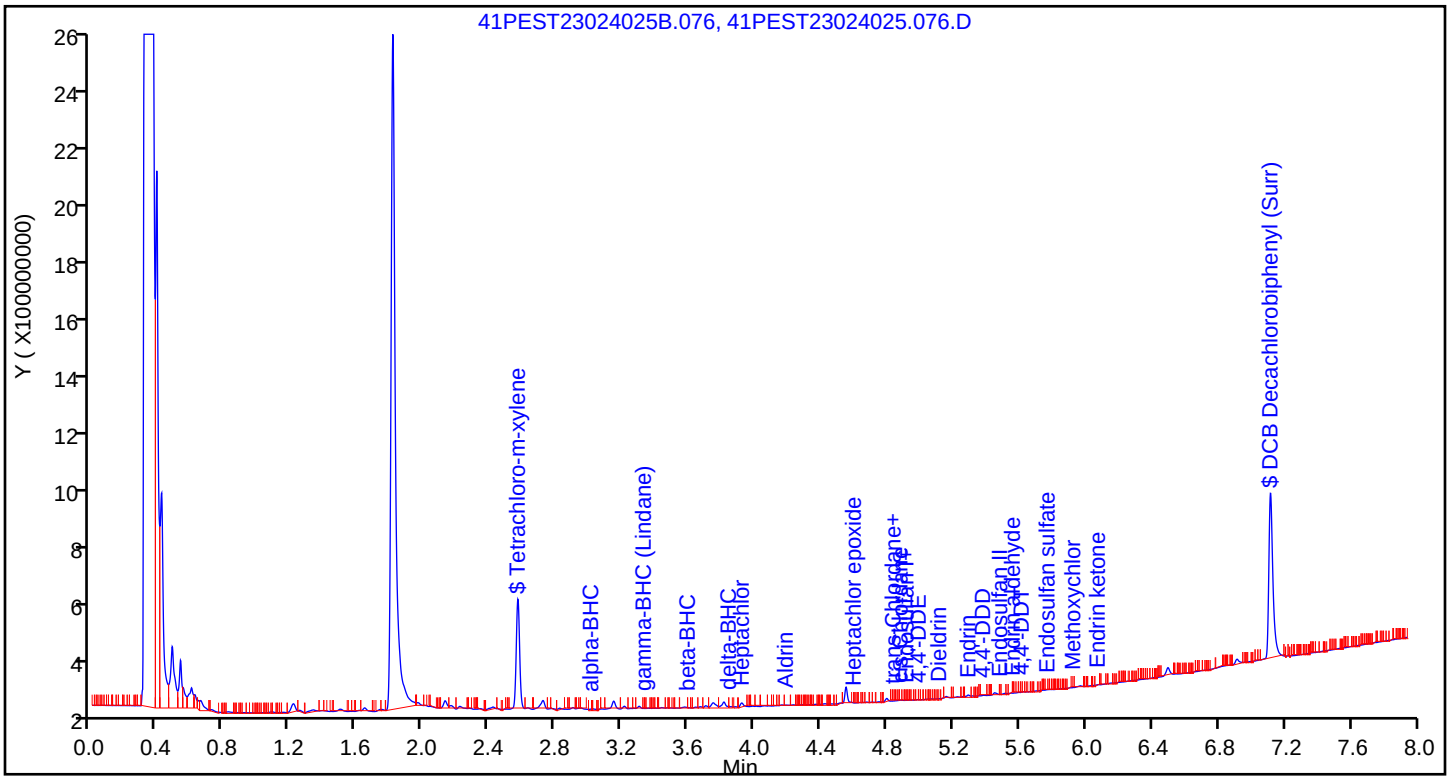
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.076.D				
Lims ID:	410-116613-B-4-A				
Client ID:	EB-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 18:17:00	ALS Bottle#:	0	Worklist Smp#:	76
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-4-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:35:08		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.9	72.18
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.04	60.64

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.6	70.26
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.02	60.52

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-5-UF-20230222 Lab Sample ID: 410-116613-5

Matrix: Water Lab File ID: 41PEST23024025.077.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:57

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 237.2(mL) Date Analyzed: 03/02/2023 18:32

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND	cn	0.021	0.0021
319-84-6	alpha-BHC	ND	cn	0.021	0.0032
319-85-7	beta-BHC	ND	cn	0.032	0.012
319-86-8	delta-BHC	ND	cn	0.021	0.0036
60-57-1	Dieldrin	ND	cn	0.032	0.0056
959-98-8	Endosulfan I	ND	cn	0.021	0.0045
33213-65-9	Endosulfan II	ND	cn	0.042	0.016
1031-07-8	Endosulfan sulfate	ND	cn	0.032	0.0061
72-20-8	Endrin	ND	cn	0.032	0.0085
7421-93-4	Endrin aldehyde	ND	cn	0.11	0.021
53494-70-5	Endrin ketone	ND	cn	0.032	0.0053
58-89-9	gamma-BHC (Lindane)	ND	cn	0.021	0.0021
76-44-8	Heptachlor	ND	cn	0.021	0.0021
1024-57-3	Heptachlor epoxide	ND	cn	0.021	0.0024
72-43-5	Methoxychlor	ND	cn	0.12	0.032
8001-35-2	Toxaphene	ND	cn	1.1	0.32
72-55-9	p,p'-DDE	ND	cn	0.032	0.0053

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	17	S1-cn	20-149
877-09-8	Tetrachloro-m-xylene (Surr)	49	cn	20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.077.D
Lims ID: 410-116613-B-5-A
Client ID: MW-5-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 18:32:00 ALS Bottle#: 0 Worklist Smp#: 77
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-5-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:34:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	467418339	H 7.40	
2	2.568	2.573	-0.005	258014593	H 7.36	
					RPD = 0.57	
2 alpha-BHC						
1	2.473	2.457	0.016	6536853	H 0.0685	
2	2.967	2.993	-0.026	1378531	H 0.0147	
					RPD = 129.45	
4 gamma-BHC (Lindane)						
1	2.835	2.830	0.005	1011016	H 0.0113	
2	3.322	3.335	-0.013	371615	H 0.003976	
					RPD = 96.02	
5 beta-BHC						
1	3.085	3.082	0.003	4783068	H 0.1158	
2	3.582	3.597	-0.015	8834100	H 0.2549	
					RPD = 75.02	
7 delta-BHC						
1	3.357	3.370	-0.013	2625534	H 0.0254	
2	3.842	3.845	-0.003	6169192	H 0.0571	
					RPD = 76.87	
8 Heptachlor						
1	3.192	3.197	-0.005	363625	H 0.004654	
2	3.918	3.918	0.000	6901183	H 0.0646	
					RPD = 173.11	
9 Aldrin						
1	3.512	3.505	0.007	5420438	H 0.0560	
2	4.212	4.212	0.000	24314841	H 0.2183	
					RPD = 118.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	4.013	4.010	0.003	4086383	H 0.0441	
2	4.578	4.583	-0.005	6695504	H 0.0683	
					RPD = 43.07	
13 trans-Chlordane						
1	4.203	4.213	-0.010	49874047	H 0.5096	
2	4.837	4.842	-0.005	22666036	H 0.2357	
					RPD = 73.50	
14 cis-Chlordane						
1	4.288	4.295	-0.007	26080090	H 0.2646	
2	4.888	4.882	0.006	32232513	H 0.3565	
					RPD = 29.59	
15 Endosulfan I						
1	4.337	4.340	-0.003	8199732	H 0.0885	
2	4.913	4.913	0.000	8508611	H 0.0931	
					RPD = 5.07	
16 4,4'-DDE						
1	4.465	4.468	-0.003	4771395	H 0.0462	
2	5.018	4.997	0.021	2537456	H 0.0249	
					RPD = 59.86	
18 Dieldrin						
1	4.575	4.578	-0.003	21369594	H 0.2059	
2	5.107	5.113	-0.006	28084875	H 0.2615	
					RPD = 23.77	
19 Endrin						
1	4.818	4.830	-0.012	10989726	H 0.1186	
2	5.300	5.290	0.010	47310213	H 0.5115	
					RPD = 124.69	
22 4,4'-DDD						
1	4.943	4.927	0.016	71073523	H 0.8310	
2	5.380	5.387	-0.007	15935616	H 0.2151	
					RPD = 117.76	
23 Endosulfan II						
1	5.037	5.038	-0.001	46967423	H 0.5122	
2	5.487	5.483	0.004	4865580	H 0.0574	
					RPD = 159.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.227	5.212	0.015	16978497H	0.2231	
2	5.563	5.565	-0.002	46498307H	0.7191	
					RPD = 105.28	
26 4,4'-DDT						
1	5.125	5.138	-0.013	59105299H	1.01	
2	5.607	5.613	-0.006	75376284H	1.17	
					RPD = 14.37	
27 Endosulfan sulfate						
1	5.365	5.362	0.003	16345646H	0.1915	
2	5.745	5.768	-0.023	326058892H	4.20	
					RPD = 182.57	
28 Methoxychlor						
1	5.647	5.633	0.014	3005715H	0.1002	
2	5.920	5.922	-0.002	4613960H	0.1289	
					RPD = 25.08	
29 Endrin ketone						
1	5.805	5.798	0.007	7960977H	0.0855	
2	6.072	6.073	-0.001	9724912H	0.1224	
					RPD = 35.53	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.542	6.545	-0.003	240952607H	2.58	
2	7.112	7.118	-0.006	163881517H	2.65	
					RPD = 2.78	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:43 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.077.D

Injection Date: 02-Mar-2023 18:32:00 Instrument ID: 9147

Lims ID: 410-116613-B-5-A Lab Sample ID: 410-116613-5

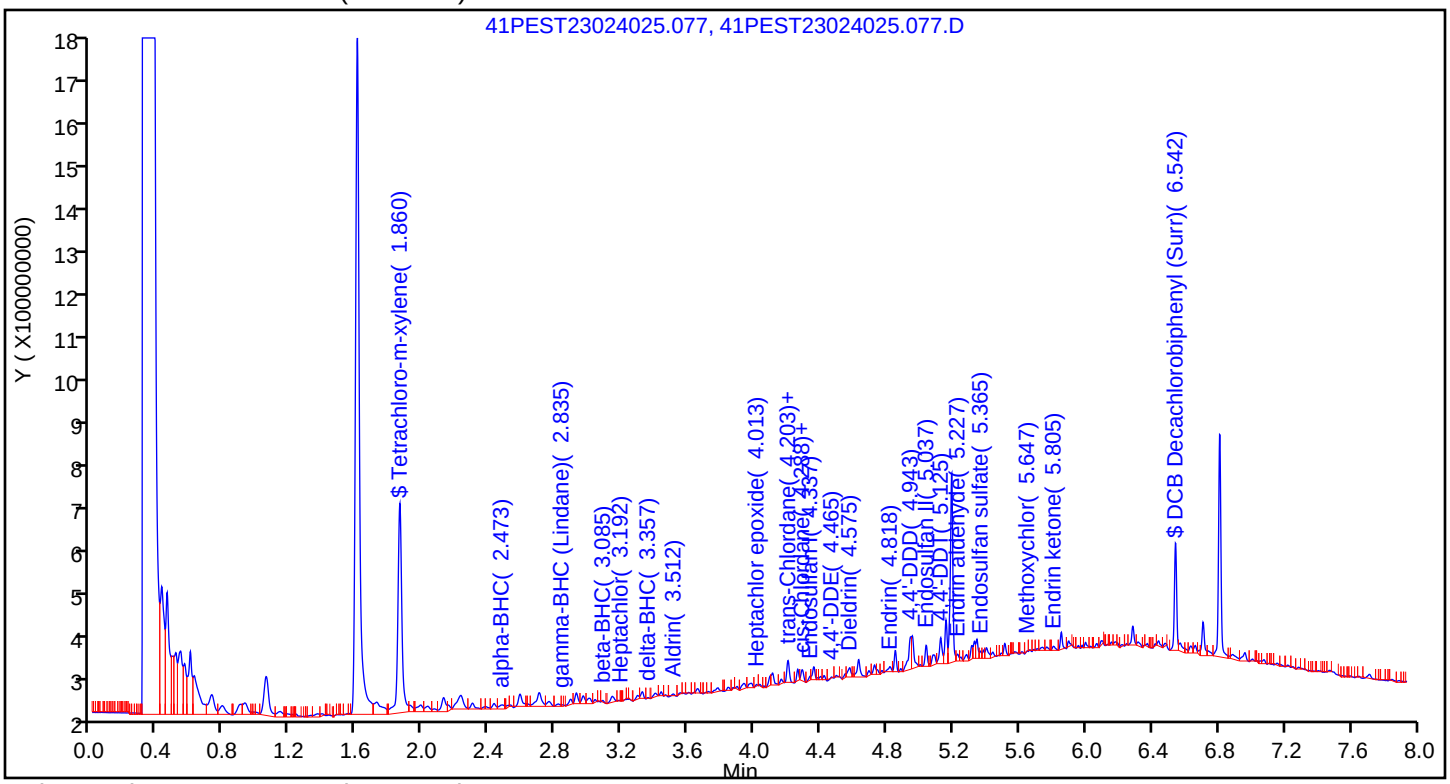
Client ID: MW-5-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 77

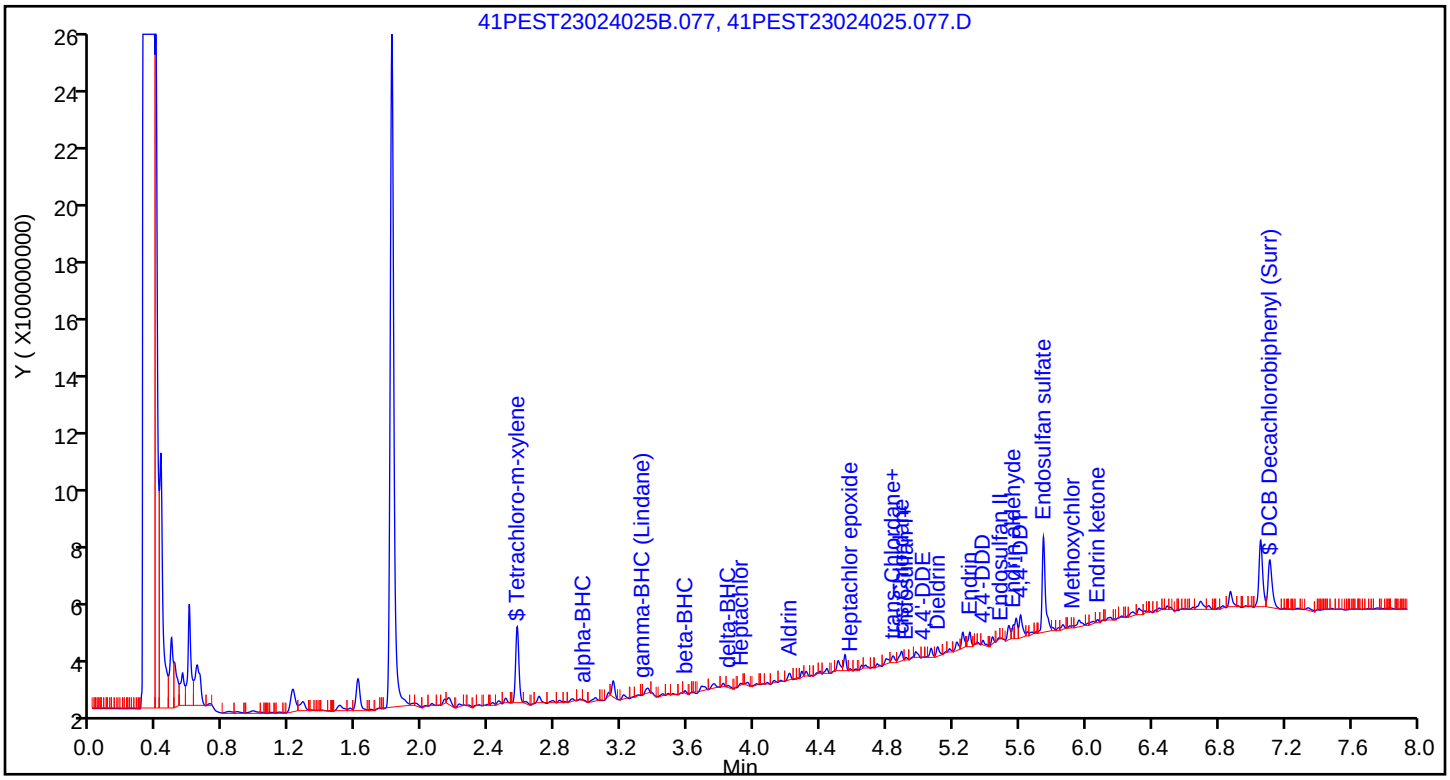
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.077.D				
Lims ID:	410-116613-B-5-A				
Client ID:	MW-5-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 18:32:00	ALS Bottle#:	0	Worklist Smp#:	77
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-5-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:34:35		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	7.40	49.06
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.58	17.30

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	7.36	48.78
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.65	17.79

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-5-UF-20230222 Lab Sample ID: 410-116613-5

Matrix: Water Lab File ID: 41PEST23024025.077.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:57

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 237.2(mL) Date Analyzed: 03/02/2023 18:32

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-71-9	alpha-Chlordane	0.0075	J B cn	0.021	0.0032
5103-74-2	gamma-Chlordane	ND	cn	0.042	0.0074
72-54-8	p,p'-DDD	ND	cn	0.032	0.0053
50-29-3	p,p'-DDT	0.025	J cn	0.032	0.0055

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	18	S1- cn	20-149
877-09-8	Tetrachloro-m-xylene (Surr)	49	cn	20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.077.D
Lims ID: 410-116613-B-5-A
Client ID: MW-5-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 18:32:00 ALS Bottle#: 0 Worklist Smp#: 77
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-5-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:34:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	467418339	H 7.40	
2	2.568	2.573	-0.005	258014593	H 7.36	
					RPD = 0.57	
2 alpha-BHC						
1	2.473	2.457	0.016	6536853	H 0.0685	
2	2.967	2.993	-0.026	1378531	H 0.0147	
					RPD = 129.45	
4 gamma-BHC (Lindane)						
1	2.835	2.830	0.005	1011016	H 0.0113	
2	3.322	3.335	-0.013	371615	H 0.003976	
					RPD = 96.02	
5 beta-BHC						
1	3.085	3.082	0.003	4783068	H 0.1158	
2	3.582	3.597	-0.015	8834100	H 0.2549	
					RPD = 75.02	
7 delta-BHC						
1	3.357	3.370	-0.013	2625534	H 0.0254	
2	3.842	3.845	-0.003	6169192	H 0.0571	
					RPD = 76.87	
8 Heptachlor						
1	3.192	3.197	-0.005	363625	H 0.004654	
2	3.918	3.918	0.000	6901183	H 0.0646	
					RPD = 173.11	
9 Aldrin						
1	3.512	3.505	0.007	5420438	H 0.0560	
2	4.212	4.212	0.000	24314841	H 0.2183	
					RPD = 118.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	4.013	4.010	0.003	4086383	H 0.0441	
2	4.578	4.583	-0.005	6695504	H 0.0683	
					RPD = 43.07	
13 trans-Chlordane						
1	4.203	4.213	-0.010	49874047	H 0.5096	
2	4.837	4.842	-0.005	22666036	H 0.2357	
					RPD = 73.50	
14 cis-Chlordane						
1	4.288	4.295	-0.007	26080090	H 0.2646	
2	4.888	4.882	0.006	32232513	H 0.3565	
					RPD = 29.59	
15 Endosulfan I						
1	4.337	4.340	-0.003	8199732	H 0.0885	
2	4.913	4.913	0.000	8508611	H 0.0931	
					RPD = 5.07	
16 4,4'-DDE						
1	4.465	4.468	-0.003	4771395	H 0.0462	
2	5.018	4.997	0.021	2537456	H 0.0249	
					RPD = 59.86	
18 Dieldrin						
1	4.575	4.578	-0.003	21369594	H 0.2059	
2	5.107	5.113	-0.006	28084875	H 0.2615	
					RPD = 23.77	
19 Endrin						
1	4.818	4.830	-0.012	10989726	H 0.1186	
2	5.300	5.290	0.010	47310213	H 0.5115	
					RPD = 124.69	
22 4,4'-DDD						
1	4.943	4.927	0.016	71073523	H 0.8310	
2	5.380	5.387	-0.007	15935616	H 0.2151	
					RPD = 117.76	
23 Endosulfan II						
1	5.037	5.038	-0.001	46967423	H 0.5122	
2	5.487	5.483	0.004	4865580	H 0.0574	
					RPD = 159.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.227	5.212	0.015	16978497H	0.2231	
2	5.563	5.565	-0.002	46498307H	0.7191	
					RPD = 105.28	
26 4,4'-DDT						
1	5.125	5.138	-0.013	59105299H	1.01	
2	5.607	5.613	-0.006	75376284H	1.17	
					RPD = 14.37	
27 Endosulfan sulfate						
1	5.365	5.362	0.003	16345646H	0.1915	
2	5.745	5.768	-0.023	326058892H	4.20	
					RPD = 182.57	
28 Methoxychlor						
1	5.647	5.633	0.014	3005715H	0.1002	
2	5.920	5.922	-0.002	4613960H	0.1289	
					RPD = 25.08	
29 Endrin ketone						
1	5.805	5.798	0.007	7960977H	0.0855	
2	6.072	6.073	-0.001	9724912H	0.1224	
					RPD = 35.53	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.542	6.545	-0.003	240952607H	2.58	
2	7.112	7.118	-0.006	163881517H	2.65	
					RPD = 2.78	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

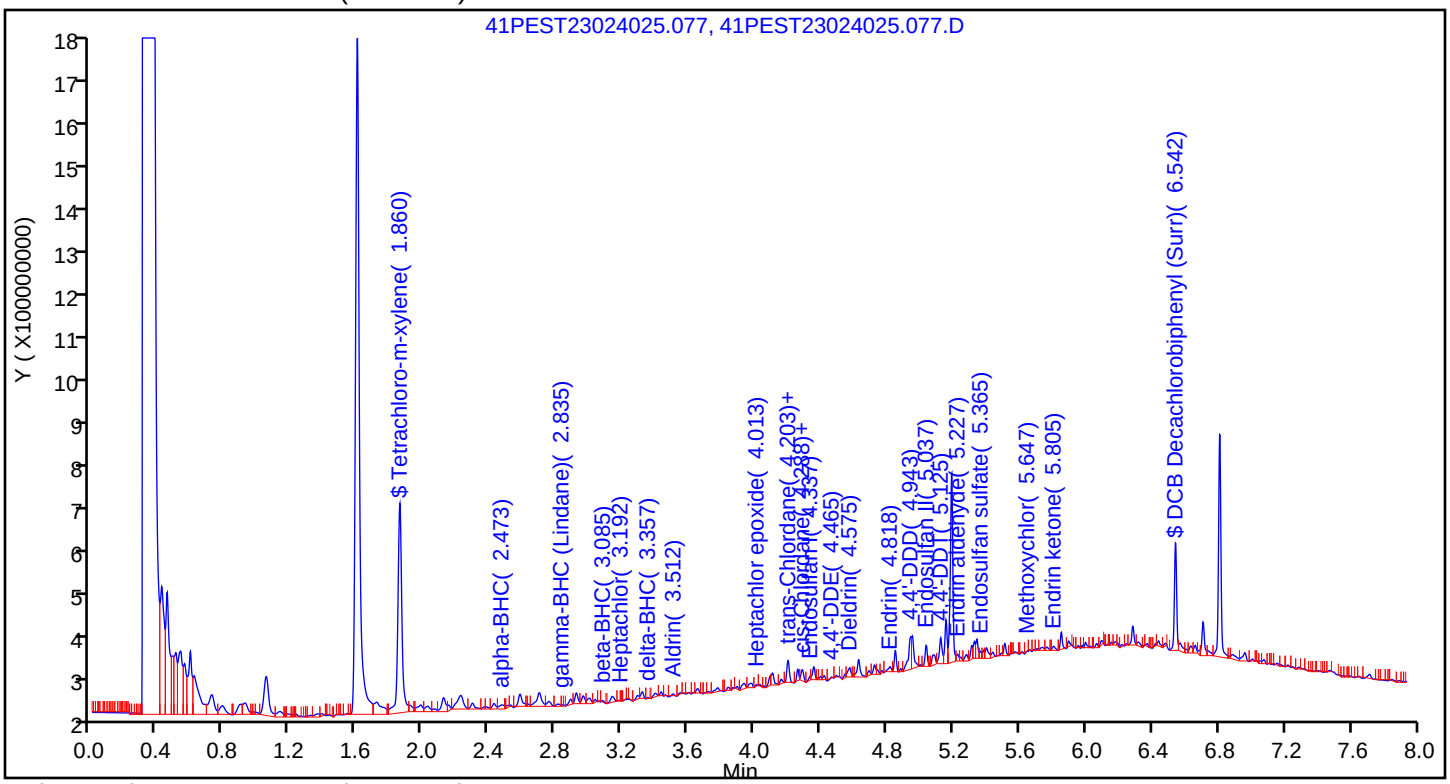
Report Date: 03-Mar-2023 06:34:43 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

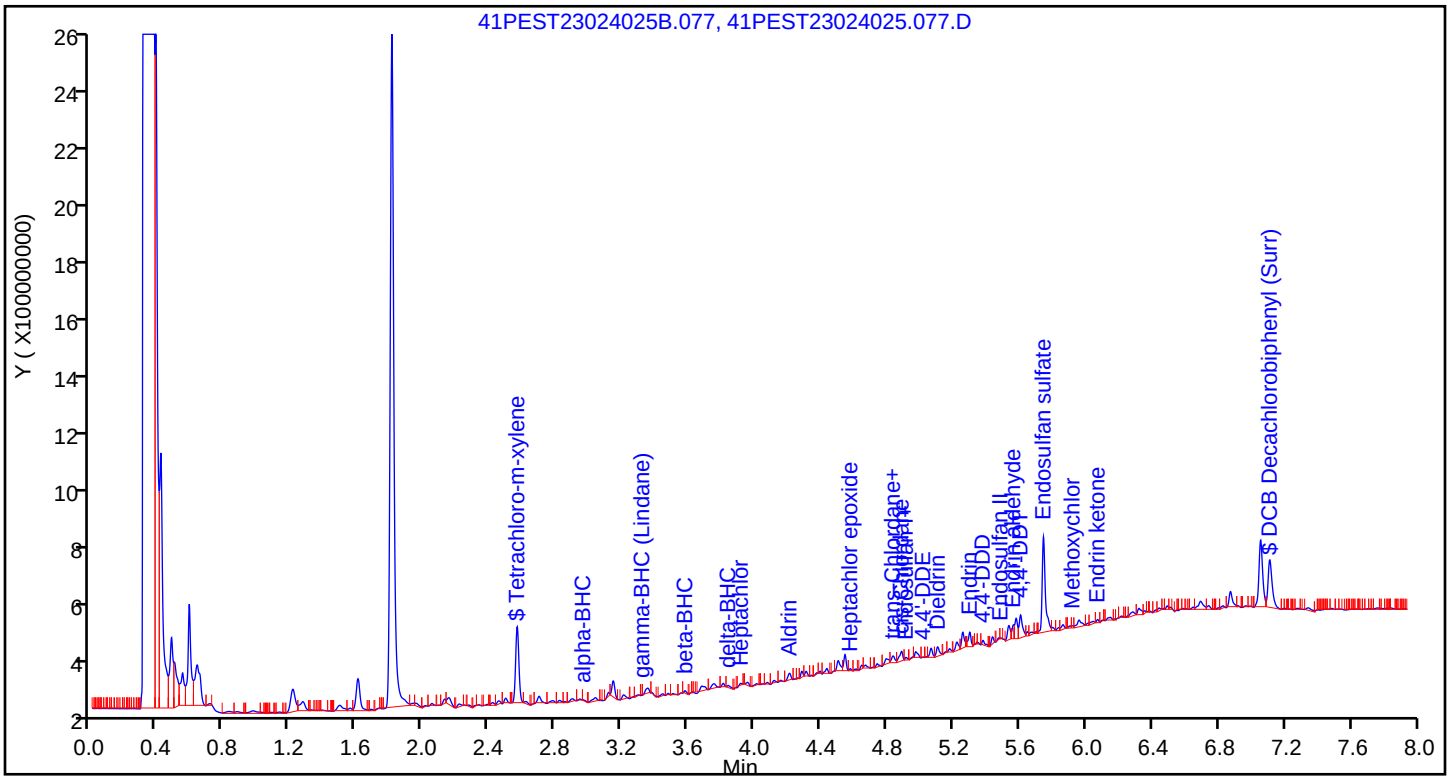
Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.077.D

Injection Date:	02-Mar-2023 18:32:00	Instrument ID:	9147		
Lims ID:	410-116613-B-5-A	Lab Sample ID:	410-116613-5		
Client ID:	MW-5-UF-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	77
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.077.D				
Lims ID:	410-116613-B-5-A				
Client ID:	MW-5-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 18:32:00	ALS Bottle#:	0	Worklist Smp#:	77
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-5-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:34:35		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	7.40	49.06
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.58	17.30

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	7.36	48.78
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.65	17.79

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-5-F-20230222 Lab Sample ID: 410-116613-6

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.078.D

Analysis Method: 8081B Date Collected: 02/22/2023 12:02

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 247.8(mL) Date Analyzed: 03/02/2023 18:46

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND	cn	0.020	0.0020
319-84-6	alpha-BHC	ND	cn	0.020	0.0030
319-85-7	beta-BHC	ND	cn	0.030	0.011
319-86-8	delta-BHC	ND	cn	0.020	0.0034
60-57-1	Dieldrin	ND	cn	0.030	0.0053
959-98-8	Endosulfan I	ND	cn	0.020	0.0043
33213-65-9	Endosulfan II	ND	cn	0.040	0.015
1031-07-8	Endosulfan sulfate	ND	cn	0.030	0.0059
72-20-8	Endrin	ND	cn	0.030	0.0082
7421-93-4	Endrin aldehyde	ND	cn	0.10	0.020
53494-70-5	Endrin ketone	ND	cn	0.030	0.0050
58-89-9	gamma-BHC (Lindane)	ND	cn	0.020	0.0020
76-44-8	Heptachlor	ND	cn	0.020	0.0020
1024-57-3	Heptachlor epoxide	ND	cn	0.020	0.0023
72-43-5	Methoxychlor	ND	cn	0.11	0.030
8001-35-2	Toxaphene	ND	cn	1.0	0.30
72-54-8	p,p'-DDD	ND	cn	0.030	0.0050
72-55-9	p,p'-DDE	ND	cn	0.030	0.0050
50-29-3	p,p'-DDT	ND	cn	0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	14	S1-cn	20-149
877-09-8	Tetrachloro-m-xylene (Surr)	46	cn	20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.078.D
Lims ID: 410-116613-B-6-A
Client ID: MW-5-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 18:46:00 ALS Bottle#: 0 Worklist Smp#: 78
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-6-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 08:49:42 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:34:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.858	1.862	-0.004	436982959	H 6.92	
2	2.573	2.573	0.000	242165299	H 6.91	
					RPD = 0.18	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.838	2.830	0.008	616654	H 0.006903	
2	3.355	3.335	0.020	24238851	H 0.2593	
					RPD = 189.63	
5 beta-BHC						
1	3.088	3.082	0.006	1521030	H 0.0368	
2	3.583	3.597	-0.014	4128632	H 0.1191	
					RPD = 105.53	
7 delta-BHC						
1	3.367	3.370	-0.003	119125	H 0.001152	
2	3.847	3.845	0.002	5604481	H 0.0518	
					RPD = 191.31	
8 Heptachlor						
1	3.180	3.197	-0.017	1832235	H 0.0235	
2	3.927	3.918	0.009	11738122	H 0.1098	
					RPD = 129.62	
9 Aldrin						
1	3.510	3.505	0.005	4807439	H 0.0497	
2	4.213	4.212	0.001	19050491	H 0.1710	
					RPD = 109.99	
11 Heptachlor epoxide						
1	4.015	4.010	0.005	4020358	H 0.0434	
2	4.587	4.583	0.004	3529469	H 0.0360	
					RPD = 18.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.202	4.213	-0.011	71809365H	0.7337	
2	4.840	4.842	-0.002	2904656H	0.0302	
					RPD = 184.18	
14 cis-Chlordane						
1	4.285	4.295	-0.010	14838360H	0.1505	
2	4.893	4.882	0.011	19359015H	0.2141	
					RPD = 34.86	
15 Endosulfan I						
1	4.337	4.340	-0.003	8530067H	0.0921	
2	4.923	4.913	0.010	5456376H	0.0597	
					RPD = 42.65	
16 4,4'-DDE						
1	4.467	4.468	-0.001	14553857H	0.1410	
2	4.980	4.997	-0.017	15388719H	0.1512	
					RPD = 6.97	
18 Dieldrin						
1	4.593	4.578	0.015	9336488H	0.0900	
2	5.118	5.113	0.005	2600946H	0.0242	
					RPD = 115.17	
19 Endrin						
1	4.818	4.830	-0.012	13262787H	0.1432	
2	5.263	5.290	-0.027	48531310H	0.5247	
					RPD = 114.25	
22 4,4'-DDD						
1	4.913	4.927	-0.014	12589239H	0.1472	
2	5.385	5.387	-0.002	7128647H	0.0962	
					RPD = 41.89	
23 Endosulfan II						
1	5.033	5.038	-0.005	19159973H	0.2090	
2	5.480	5.483	-0.003	15755875H	0.1857	
					RPD = 11.76	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.225	5.212	0.013	16643352H	0.2187	
2	5.567	5.565	0.002	48406106H	0.7486	
					RPD = 109.56	
26 4,4'-DDT						M
1	5.127	5.138	-0.011	7922409H	0.1353	M
2	5.617	5.613	0.004	12991152H	0.2009	M
					RPD = 39.02	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.367	5.362	0.005	15485227H	0.1814	
2	5.752	5.768	-0.016	94767863H	1.22	
					RPD = 148.28	
28 Methoxychlor						
1	5.648	5.633	0.015	5267127H	0.1755	
2	5.930	5.922	0.008	29243389H	0.8169	
					RPD = 129.25	
29 Endrin ketone						
1	5.807	5.798	0.009	5865100H	0.0630	
2	6.077	6.073	0.004	44351111H	0.5583	
					RPD = 159.45	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.542	6.545	-0.003	191448125H	2.05	
2	7.117	7.118	-0.001	130892944H	2.12	M
					RPD = 3.30	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 08:49:43 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.078.D

Injection Date: 02-Mar-2023 18:46:00 Instrument ID: 9147

Lims ID: 410-116613-B-6-A Lab Sample ID: 410-116613-6

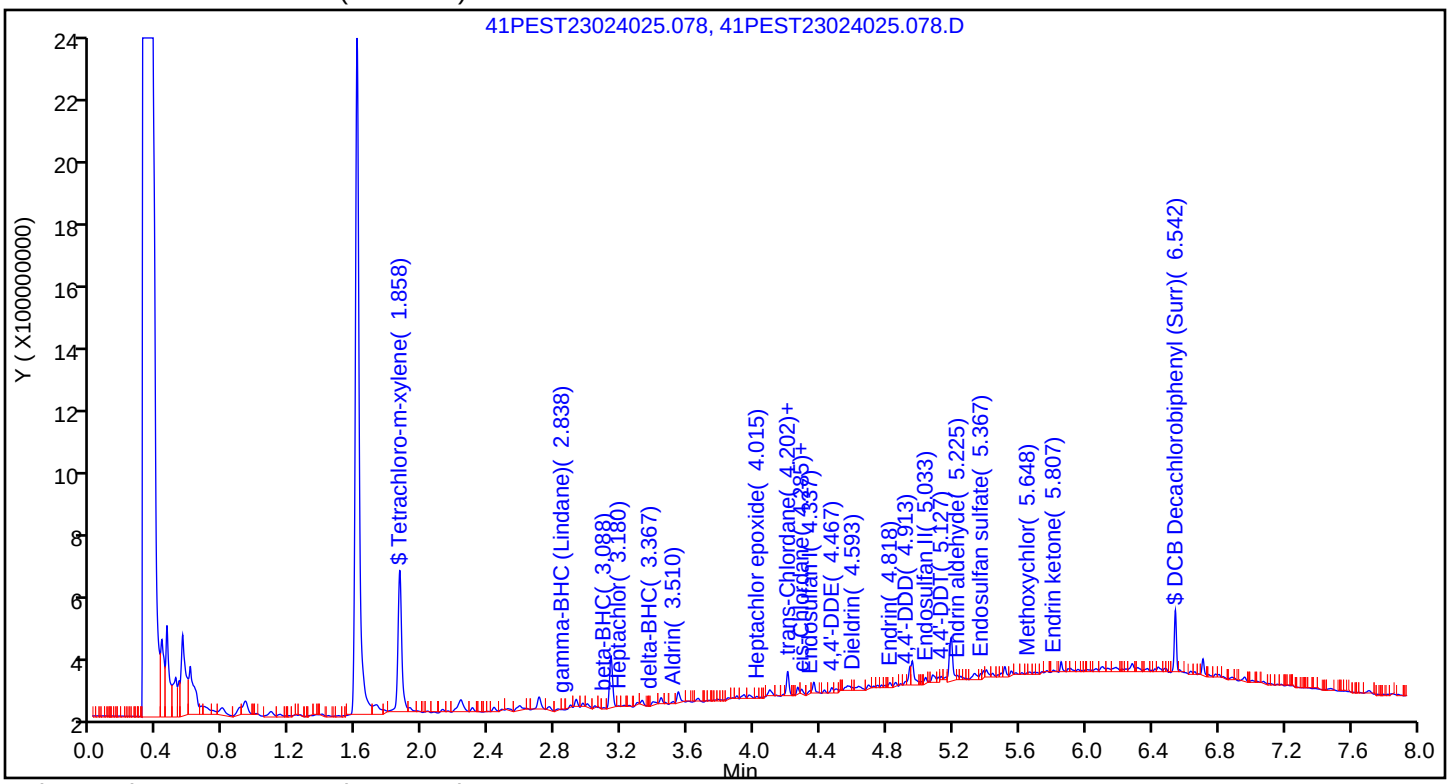
Client ID: MW-5-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 78

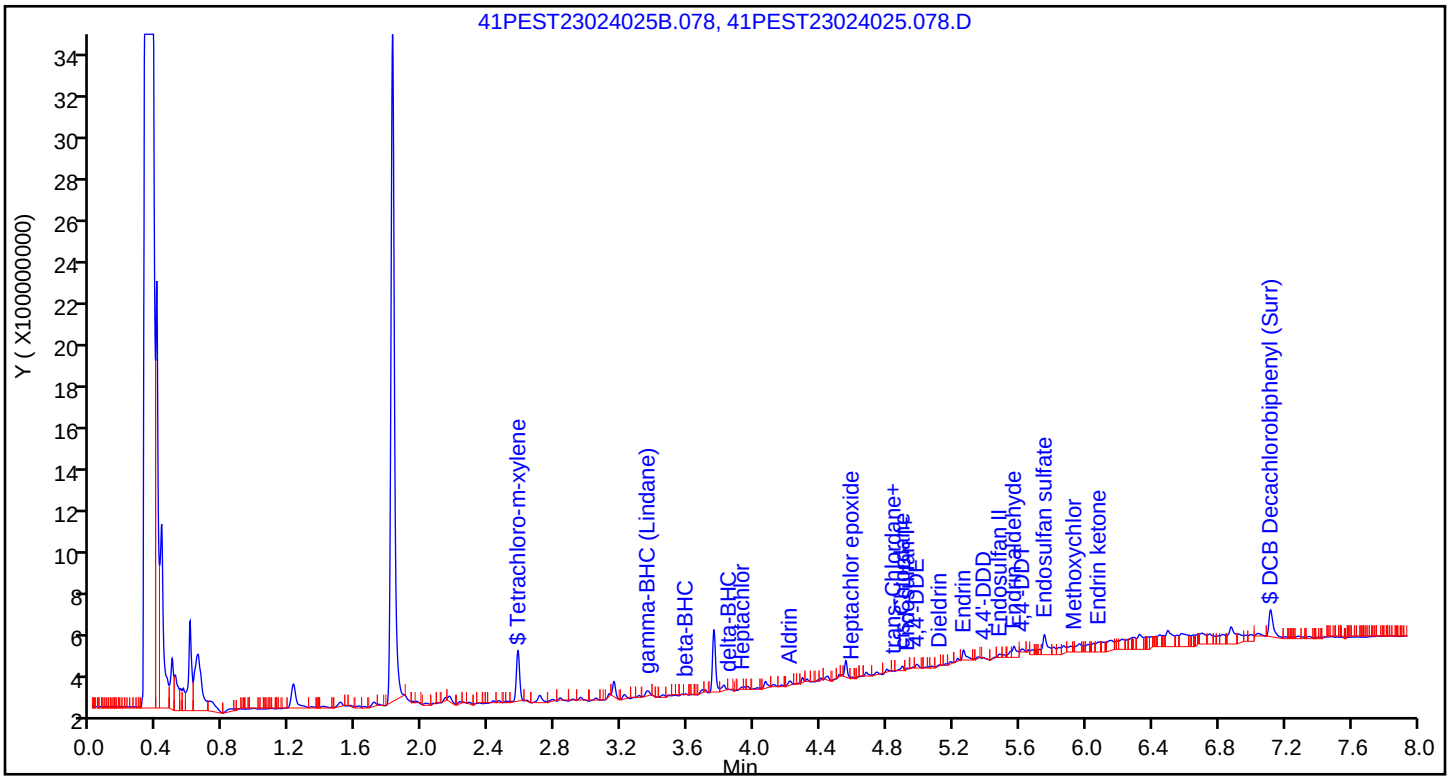
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.078.D				
Lims ID:	410-116613-B-6-A				
Client ID:	MW-5-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 18:46:00	ALS Bottle#:	0	Worklist Smp#:	78
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-6-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 08:49:42	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:34:24		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	6.92	45.87
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.05	13.74

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	6.91	45.79
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.12	14.21

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

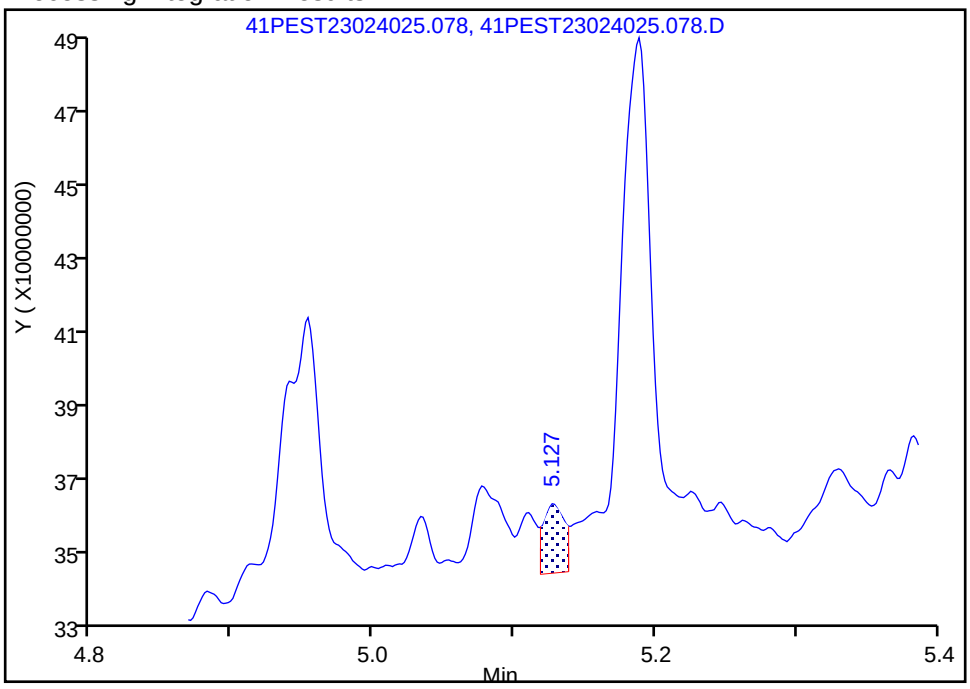
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.078.D				
Injection Date:	02-Mar-2023 18:46:00	Instrument ID:	9147		
Lims ID:	410-116613-B-6-A	Lab Sample ID:	410-116613-6		
Client ID:	MW-5-F-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	78
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	1AECDA		

26 4,4'-DDT, CAS: 50-29-3

Signal: 2

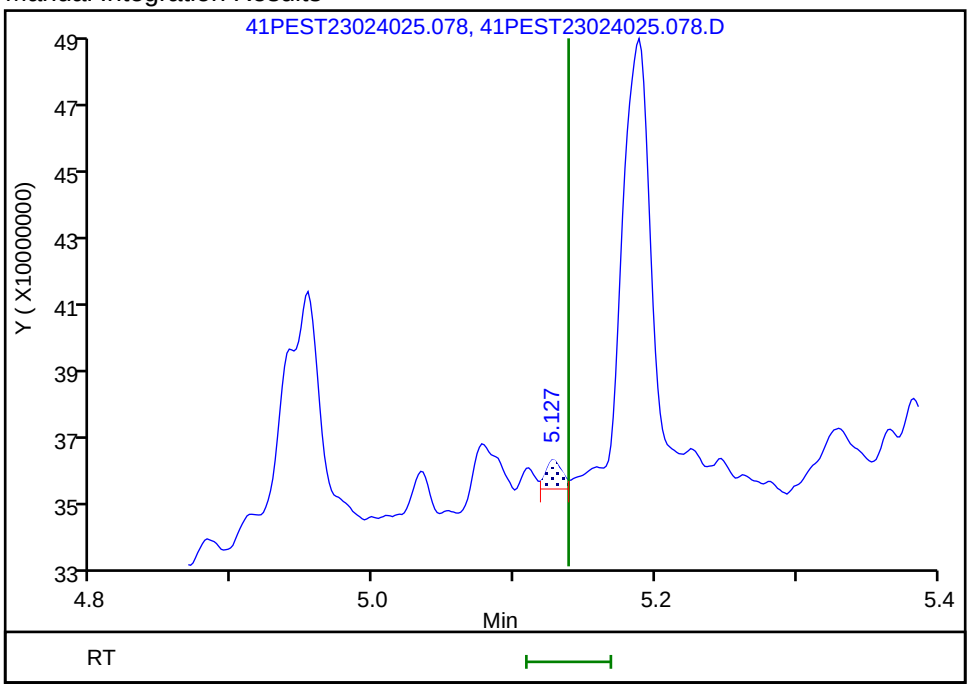
RT: 5.13
Height: 18065415
Amount: 0.308577
Amount Units: ug/l

Processing Integration Results



Manual Integration Results

RT: 5.13
Height: 7922409
Amount: 0.135324
Amount Units: ug/l



Reviewer: UAMZ, 03-Mar-2023 08:49:27
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-5-F-20230222 Lab Sample ID: 410-116613-6

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.078.D

Analysis Method: 8081B Date Collected: 02/22/2023 12:02

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 247.8(mL) Date Analyzed: 03/02/2023 18:46

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-71-9	alpha-Chlordane	0.0043	J B cn	0.020	0.0030
5103-74-2	gamma-Chlordane	ND	cn	0.040	0.0071

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	14	S1-cn	20-149
877-09-8	Tetrachloro-m-xylene (Surr)	46	cn	20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.078.D
Lims ID: 410-116613-B-6-A
Client ID: MW-5-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 18:46:00 ALS Bottle#: 0 Worklist Smp#: 78
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-6-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 08:49:42 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:34:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.858	1.862	-0.004	436982959	H 6.92	
2	2.573	2.573	0.000	242165299	H 6.91	
					RPD = 0.18	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.838	2.830	0.008	616654	H 0.006903	
2	3.355	3.335	0.020	24238851	H 0.2593	
					RPD = 189.63	
5 beta-BHC						
1	3.088	3.082	0.006	1521030	H 0.0368	
2	3.583	3.597	-0.014	4128632	H 0.1191	
					RPD = 105.53	
7 delta-BHC						
1	3.367	3.370	-0.003	119125	H 0.001152	
2	3.847	3.845	0.002	5604481	H 0.0518	
					RPD = 191.31	
8 Heptachlor						
1	3.180	3.197	-0.017	1832235	H 0.0235	
2	3.927	3.918	0.009	11738122	H 0.1098	
					RPD = 129.62	
9 Aldrin						
1	3.510	3.505	0.005	4807439	H 0.0497	
2	4.213	4.212	0.001	19050491	H 0.1710	
					RPD = 109.99	
11 Heptachlor epoxide						
1	4.015	4.010	0.005	4020358	H 0.0434	
2	4.587	4.583	0.004	3529469	H 0.0360	
					RPD = 18.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.202	4.213	-0.011	71809365H	0.7337	
2	4.840	4.842	-0.002	2904656H	0.0302	
					RPD = 184.18	
14 cis-Chlordane						
1	4.285	4.295	-0.010	14838360H	0.1505	
2	4.893	4.882	0.011	19359015H	0.2141	
					RPD = 34.86	
15 Endosulfan I						
1	4.337	4.340	-0.003	8530067H	0.0921	
2	4.923	4.913	0.010	5456376H	0.0597	
					RPD = 42.65	
16 4,4'-DDE						
1	4.467	4.468	-0.001	14553857H	0.1410	
2	4.980	4.997	-0.017	15388719H	0.1512	
					RPD = 6.97	
18 Dieldrin						
1	4.593	4.578	0.015	9336488H	0.0900	
2	5.118	5.113	0.005	2600946H	0.0242	
					RPD = 115.17	
19 Endrin						
1	4.818	4.830	-0.012	13262787H	0.1432	
2	5.263	5.290	-0.027	48531310H	0.5247	
					RPD = 114.25	
22 4,4'-DDD						
1	4.913	4.927	-0.014	12589239H	0.1472	
2	5.385	5.387	-0.002	7128647H	0.0962	
					RPD = 41.89	
23 Endosulfan II						
1	5.033	5.038	-0.005	19159973H	0.2090	
2	5.480	5.483	-0.003	15755875H	0.1857	
					RPD = 11.76	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.225	5.212	0.013	16643352H	0.2187	
2	5.567	5.565	0.002	48406106H	0.7486	
					RPD = 109.56	
26 4,4'-DDT						M
1	5.127	5.138	-0.011	7922409H	0.1353	M
2	5.617	5.613	0.004	12991152H	0.2009	M
					RPD = 39.02	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.367	5.362	0.005	15485227H	0.1814	
2	5.752	5.768	-0.016	94767863H	1.22	
					RPD = 148.28	
28 Methoxychlor						
1	5.648	5.633	0.015	5267127H	0.1755	
2	5.930	5.922	0.008	29243389H	0.8169	
					RPD = 129.25	
29 Endrin ketone						
1	5.807	5.798	0.009	5865100H	0.0630	
2	6.077	6.073	0.004	44351111H	0.5583	
					RPD = 159.45	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.542	6.545	-0.003	191448125H	2.05	
2	7.117	7.118	-0.001	130892944H	2.12	M
					RPD = 3.30	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

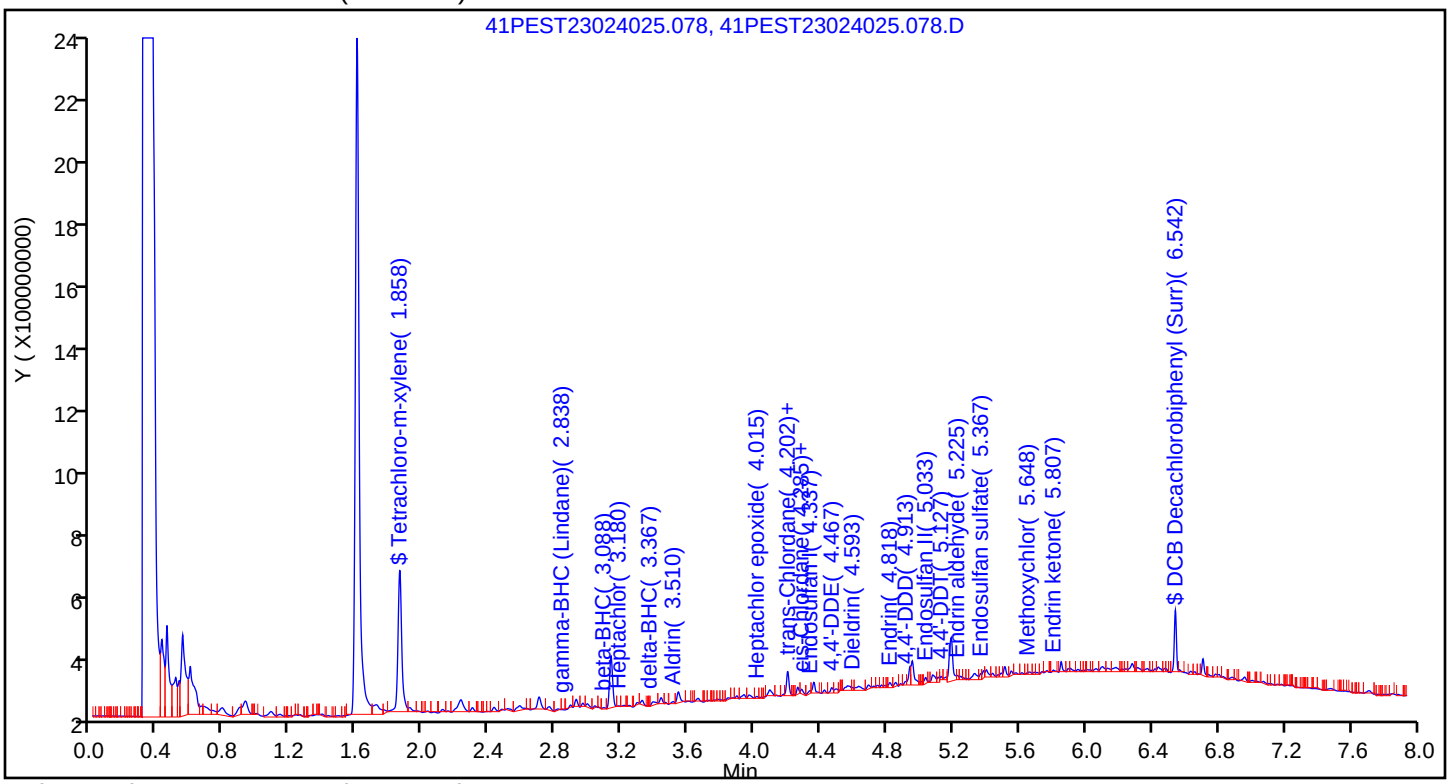
U - Marked Undetected

Report Date: 03-Mar-2023 08:49:43 Chrom Revision: 2.3 02-Mar-2023 15:43:36

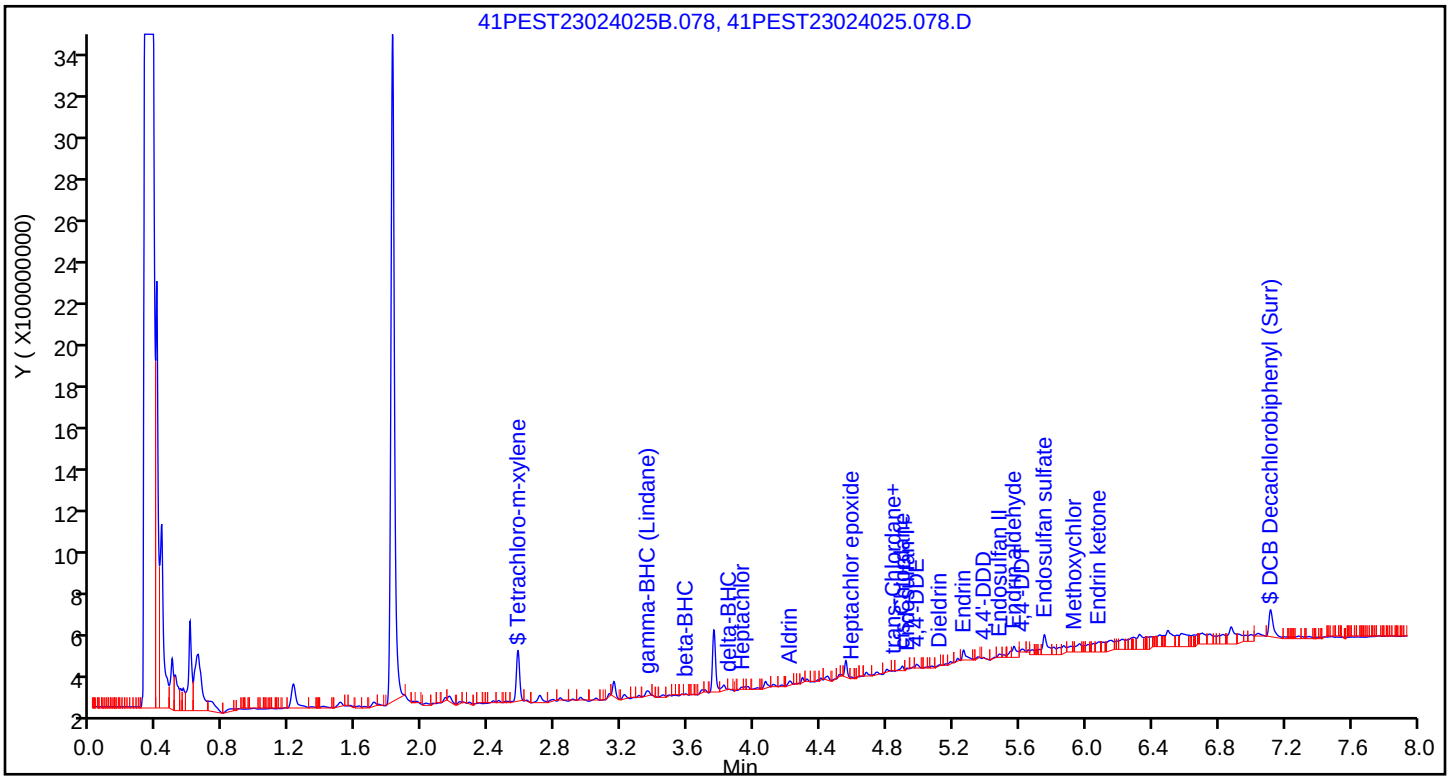
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.078.D				
Injection Date:	02-Mar-2023 18:46:00	Instrument ID:	9147		
Lims ID:	410-116613-B-6-A	Lab Sample ID:	410-116613-6		
Client ID:	MW-5-F-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	78
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.078.D				
Lims ID:	410-116613-B-6-A				
Client ID:	MW-5-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 18:46:00	ALS Bottle#:	0	Worklist Smp#:	78
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-6-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 08:49:42	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:34:24		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	6.92	45.87
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.05	13.74

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	6.91	45.79
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.12	14.21

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

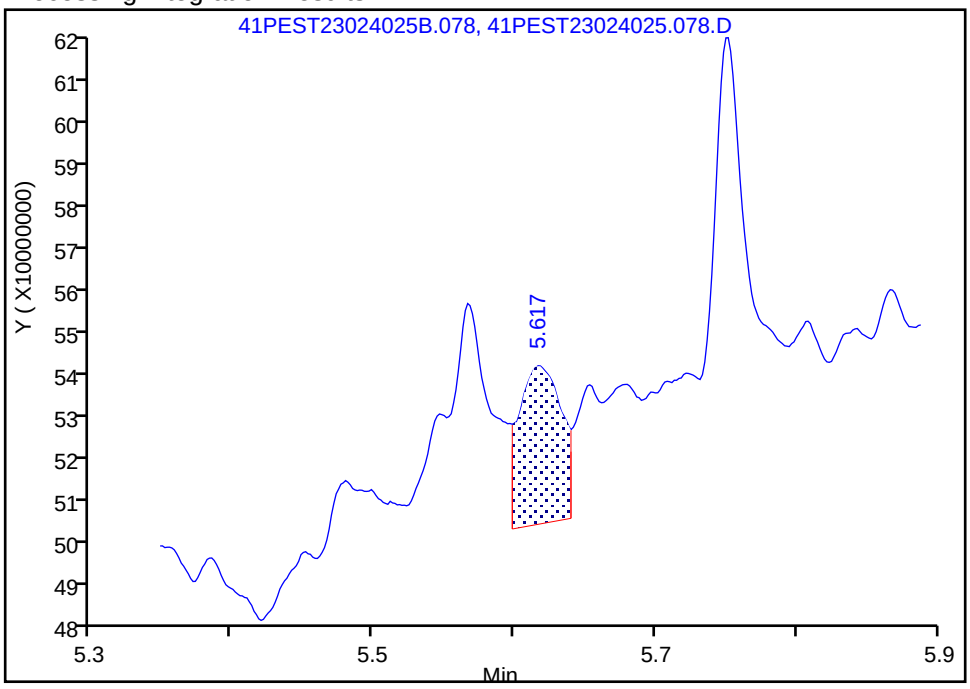
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Injection Date:	02-Mar-2023 18:46:00	Instrument ID:	9147		
Lims ID:	410-116613-B-6-A	Lab Sample ID:	410-116613-6		
Client ID:	MW-5-F-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	78
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	2BECDB		

26 4,4'-DDT, CAS: 50-29-3

Signal: 1

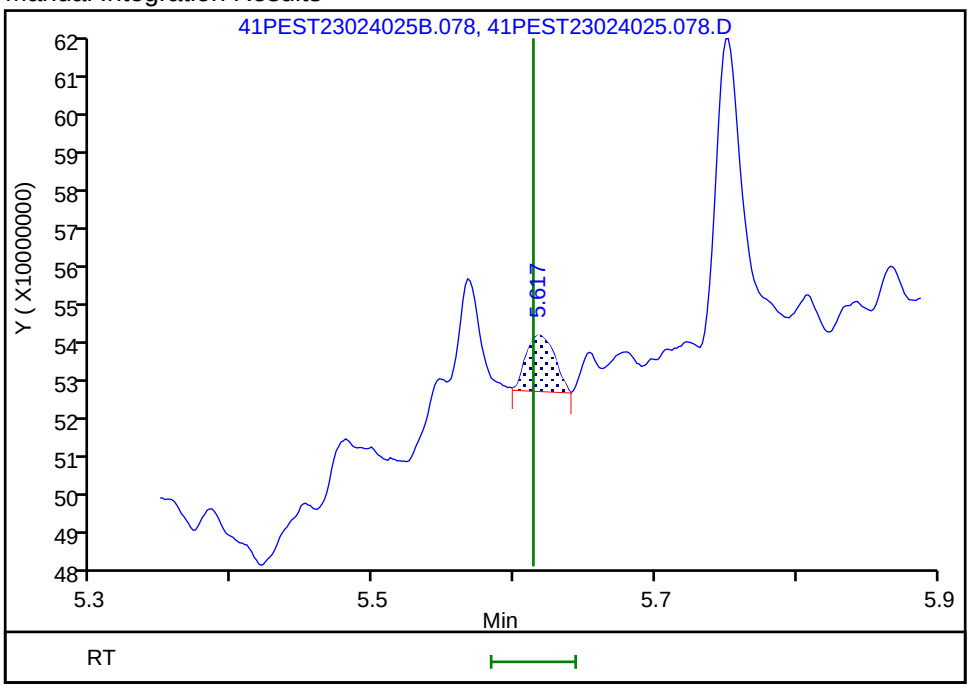
Processing Integration Results

RT: 5.62
Height: 33022313
Amount: 0.510755
Amount Units: ug/l



Manual Integration Results

RT: 5.62
Height: 12991152
Amount: 0.200934
Amount Units: ug/l



Reviewer: UAMZ, 03-Mar-2023 08:49:30
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

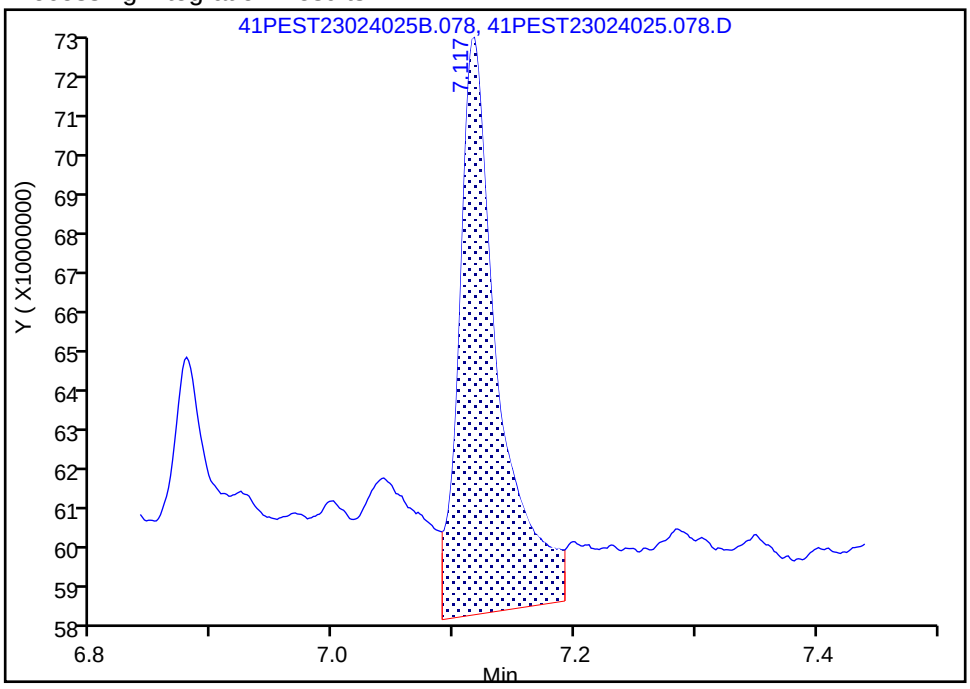
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.078.D				
Injection Date:	02-Mar-2023 18:46:00	Instrument ID:	9147		
Lims ID:	410-116613-B-6-A	Lab Sample ID:	410-116613-6		
Client ID:	MW-5-F-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	78
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	2BECDB		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 1

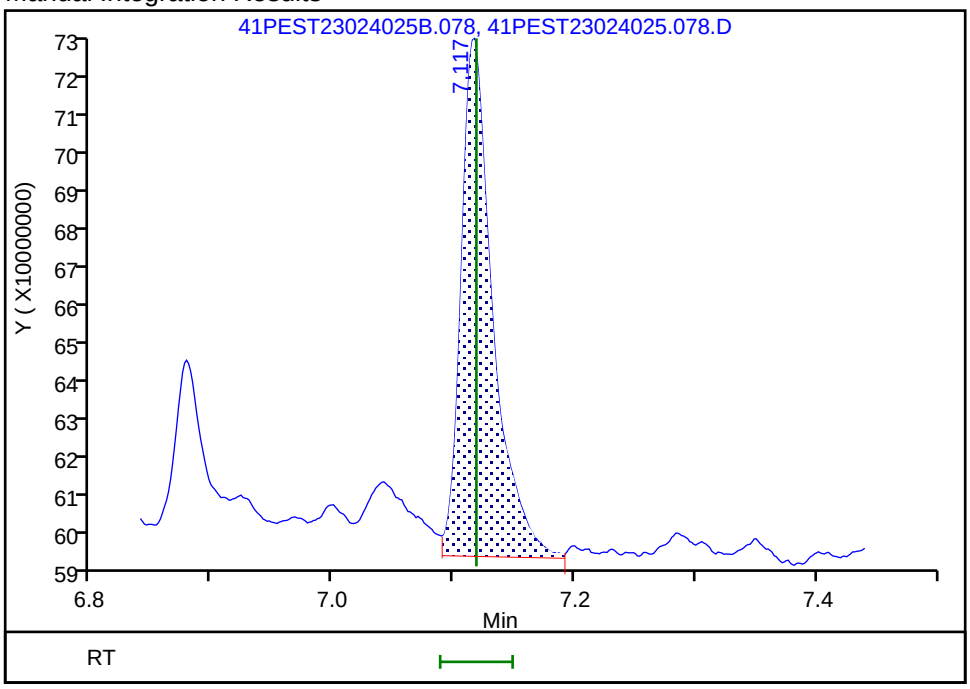
Processing Integration Results

RT: 7.12
Height: 147205567
Amount: 2.382140
Amount Units: ug/l



Manual Integration Results

RT: 7.12
Height: 130892944
Amount: 2.118162
Amount Units: ug/l



Reviewer: UAMZ, 03-Mar-2023 06:34:23
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-4-UF-20230222 Lab Sample ID: 410-116613-7

Matrix: Water Lab File ID: 41PEST23024025.079.D

Analysis Method: 8081B Date Collected: 02/22/2023 12:39

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 247.4(mL) Date Analyzed: 03/02/2023 19:01

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 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	0.017	J	0.020	0.0030
33213-65-9	Endosulfan II	ND		0.040	0.015
1031-07-8	Endosulfan sulfate	0.012	J	0.030	0.0059
72-20-8	Endrin	0.018	J p	0.030	0.0082
7421-93-4	Endrin aldehyde	ND		0.10	0.020
58-89-9	gamma-BHC (Lindane)	0.0039	J	0.020	0.0020
76-44-8	Heptachlor	ND	p	0.020	0.020
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	0.0051

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	58		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	63		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.079.D
Lims ID: 410-116613-B-7-A
Client ID: MW-4-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:01:00 ALS Bottle#: 0 Worklist Smp#: 79
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-7-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 08:51:02 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:34:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.865	1.862	0.003	598387834	H 9.47	
2	2.575	2.573	0.002	299662642	H 8.55	
					RPD = 10.30	
2 alpha-BHC						
1	2.467	2.457	0.010	398076270	H 4.17	
2	2.965	2.993	-0.028	456938099	H 4.86	
					RPD = 15.29	
4 gamma-BHC (Lindane)						
1	2.832	2.830	0.002	17283140	H 0.1935	
2	3.333	3.335	-0.002	16487399	H 0.1764	
					RPD = 9.24	
5 beta-BHC						
1	3.063	3.082	-0.019	126047214	H 3.05	
2	3.608	3.597	0.011	2854254	H 0.0824	
					RPD = 189.49	
7 delta-BHC						
1	3.362	3.370	-0.008	127290040	H 1.23	
2	3.855	3.845	0.010	2297942	H 0.0213	
					RPD = 193.21	
8 Heptachlor						
1	3.220	3.197	0.023	16263326	H 0.2082	
2	3.918	3.918	0.000	139422417	H 1.30	
					RPD = 144.96	
9 Aldrin						
1	3.513	3.505	0.008	4993463	H 0.0516	
2	4.225	4.212	0.013	36376880	H 0.3266	
					RPD = 145.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	4.018	4.010	0.008	72082991	H 0.7779	
2	4.585	4.583	0.002	15394969	H 0.1571	
					RPD = 132.81	
13 trans-Chlordane						
1	4.208	4.213	-0.005	108752744	H 1.11	
2	4.843	4.842	0.001	112300136	H 1.17	
					RPD = 4.97	
14 cis-Chlordane						
1	4.297	4.295	0.002	84698547	H 0.8593	
2	4.883	4.882	0.001	77283283	H 0.8547	
					RPD = 0.54	
15 Endosulfan I						
1	4.343	4.340	0.003	27691162	H 0.2990	
2	4.920	4.913	0.007	16049582	H 0.1757	
					RPD = 51.95	
16 4,4'-DDE						
1	4.473	4.468	0.005	3685436	H 0.0357	
2	4.998	4.997	0.001	2396518	H 0.0235	
					RPD = 41.05	
18 Dieldrin						
1	4.578	4.578	0.000	3032458751	H 29.2	
2	5.115	5.113	0.002	3194703699	H 29.7	
					RPD = 1.77	
19 Endrin						
1	4.832	4.830	0.002	84733883	H 0.9148	
2	5.307	5.290	0.017	188970909	H 2.04	
					RPD = 76.29	
22 4,4'-DDD						
1	4.945	4.927	0.018	207348539	H 2.42	
2	5.388	5.387	0.001	11803114	H 0.1593	
					RPD = 175.34	
23 Endosulfan II						
1	5.042	5.038	0.004	17767234	H 0.1938	
2	5.470	5.483	-0.013	5739146	H 0.0677	
					RPD = 96.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						MU
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.220	5.212	0.008	737872H	0.009697	
2	5.572	5.565	0.007	704139H	0.0109	
					RPD = 11.59	
26 4,4'-DDT						
1	5.138	5.138	0.000	68893860H	1.18	
2	5.615	5.613	0.002	44145702H	0.6828	
					RPD = 53.13	
27 Endosulfan sulfate						
1	5.348	5.362	-0.014	51298081H	0.6009	
2	5.755	5.768	-0.013	34937749H	0.4503	
					RPD = 28.66	
28 Methoxychlor						M
1	5.622	5.633	-0.011	4520640H	0.1507	M
2	5.923	5.922	0.001	2992450H	0.0836	
					RPD = 57.26	
29 Endrin ketone						
1	5.800	5.798	0.002	28355776H	0.3045	
2	6.075	6.073	0.002	14803871H	0.1863	
					RPD = 48.14	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.547	6.545	0.002	810816540H	8.68	
2	7.118	7.118	0.000	517436678H	8.37	
					RPD = 3.59	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 08:51:02 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.079.D

Injection Date: 02-Mar-2023 19:01:00 Instrument ID: 9147

Lims ID: 410-116613-B-7-A Lab Sample ID: 410-116613-7

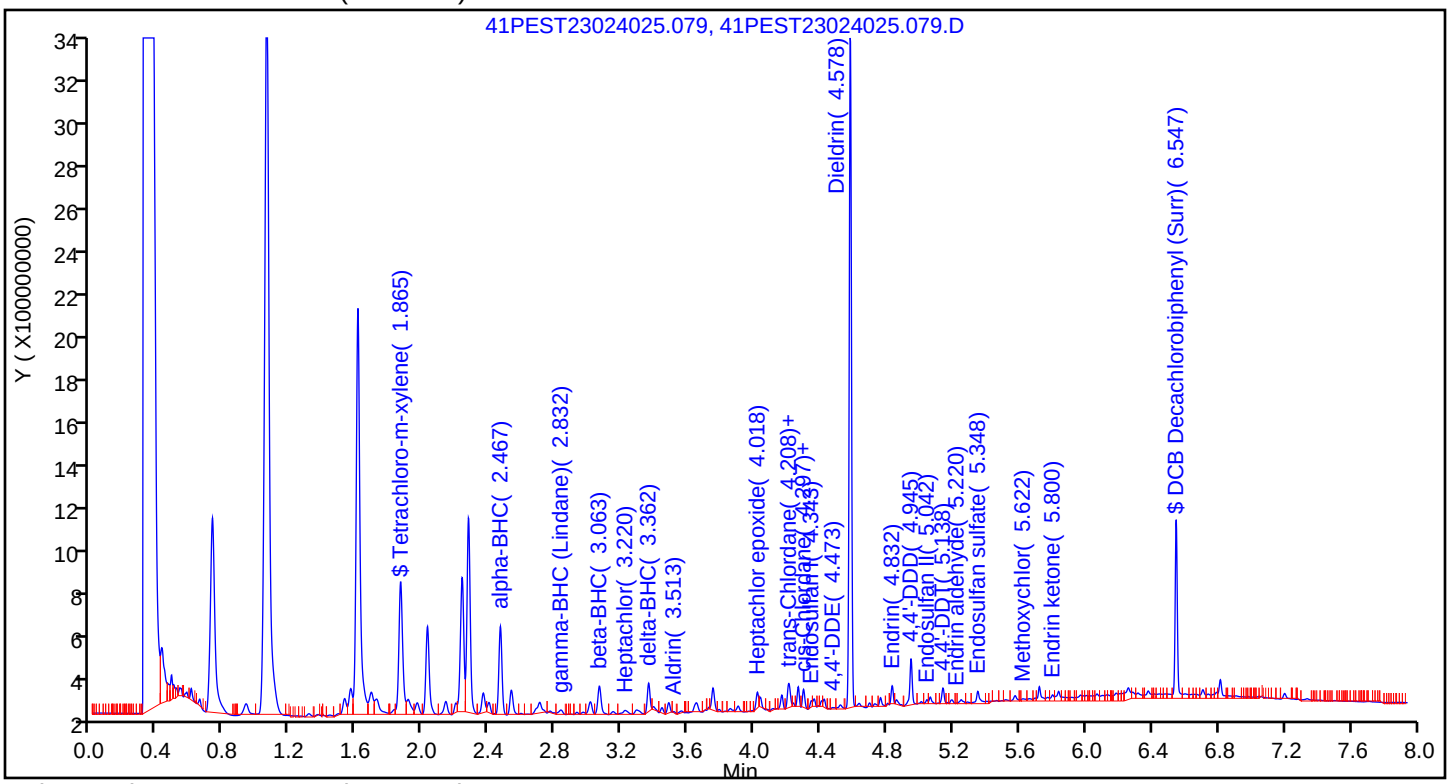
Client ID: MW-4-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 79

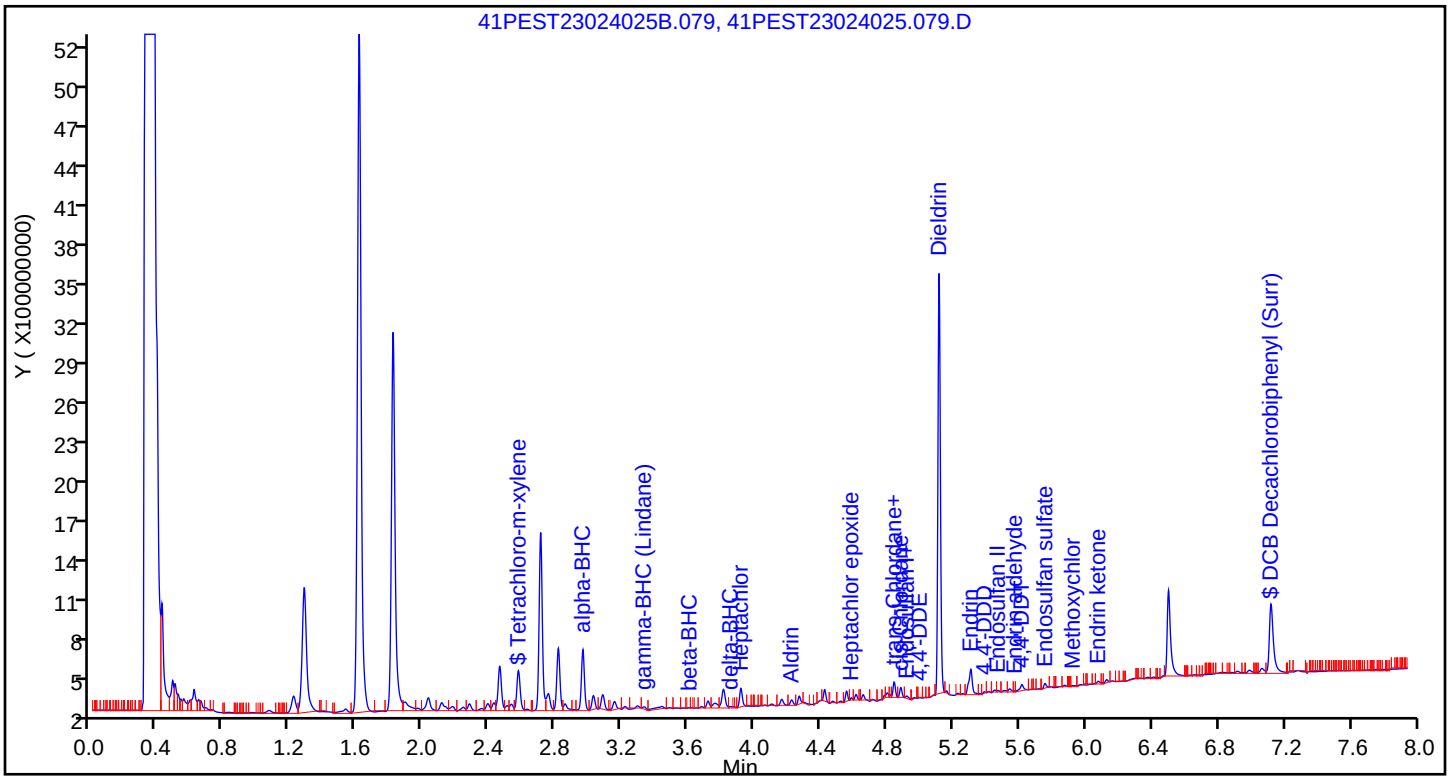
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.079.D				
Lims ID:	410-116613-B-7-A				
Client ID:	MW-4-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:01:00	ALS Bottle#:	0	Worklist Smp#:	79
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-7-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 08:51:02	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:34:05		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.47	62.81
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	8.68	58.21

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	8.55	56.66
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	8.37	56.16

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

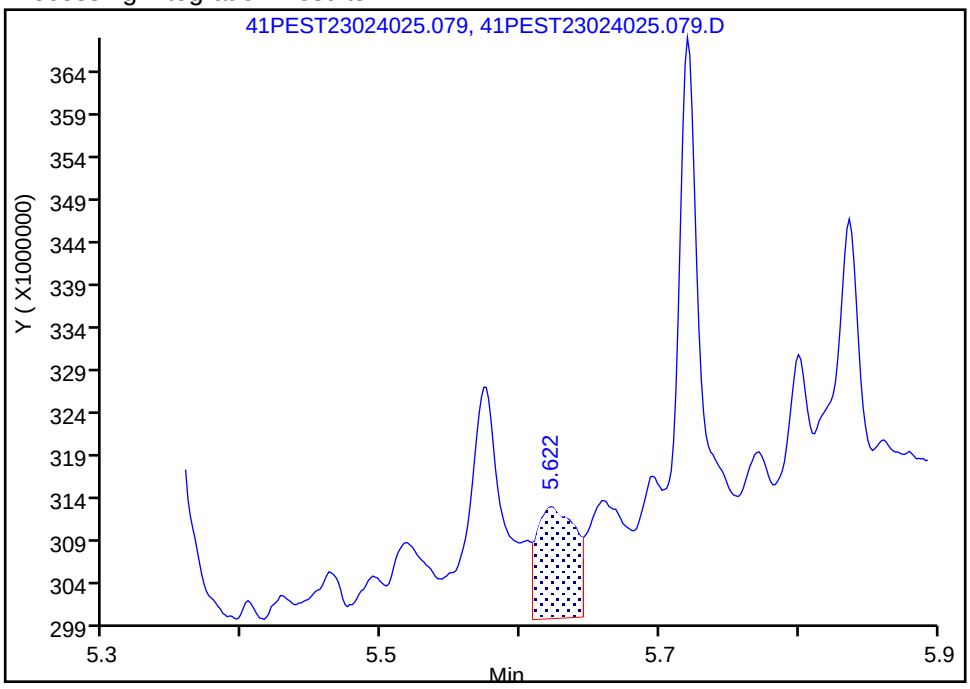
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.079.D				
Injection Date:	02-Mar-2023 19:01:00	Instrument ID:	9147		
Lims ID:	410-116613-B-7-A	Lab Sample ID:	410-116613-7		
Client ID:	MW-4-UF-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	79
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	1AECDA		

28 Methoxychlor, CAS: 72-43-5

Signal: 2

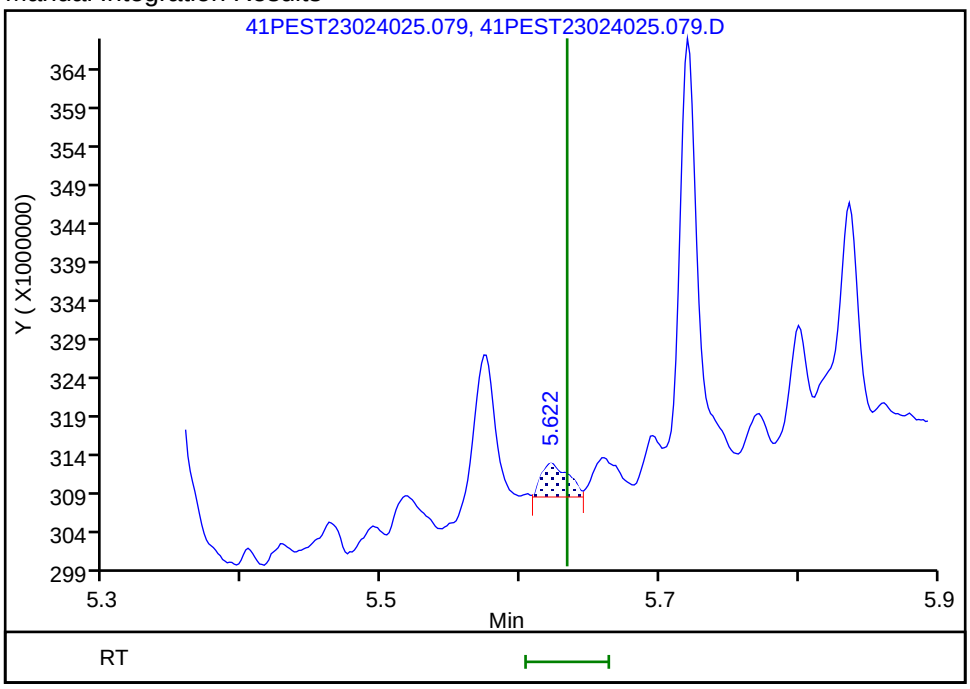
Processing Integration Results

RT: 5.62
Height: 13152488
Amount: 0.438329
Amount Units: ug/l



Manual Integration Results

RT: 5.62
Height: 4520640
Amount: 0.150658
Amount Units: ug/l



Reviewer: UAMZ, 03-Mar-2023 08:50:23
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-4-UF-20230222 Lab Sample ID: 410-116613-7

Matrix: Water Lab File ID: 41PEST23024025.079.D

Analysis Method: 8081B Date Collected: 02/22/2023 12:39

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 247.4(mL) Date Analyzed: 03/02/2023 19:01

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	0.098		0.020	0.0030
319-85-7	beta-BHC	ND		0.030	0.011
319-86-8	delta-BHC	ND		0.020	0.0034
60-57-1	Dieldrin	0.60		0.030	0.0054
959-98-8	Endosulfan I	ND		0.020	0.0043
53494-70-5	Endrin ketone	ND		0.030	0.0051
5103-74-2	gamma-Chlordane	0.024	J	0.040	0.0071
1024-57-3	Heptachlor epoxide	ND	p	0.020	0.020
72-54-8	p,p'-DDD	ND		0.030	0.0051
50-29-3	p,p'-DDT	0.014	J p	0.030	0.0053

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	56		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	57		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.079.D
Lims ID: 410-116613-B-7-A
Client ID: MW-4-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:01:00 ALS Bottle#: 0 Worklist Smp#: 79
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-7-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 08:51:02 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:34:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.865	1.862	0.003	598387834	H 9.47	
2	2.575	2.573	0.002	299662642	H 8.55	
					RPD = 10.30	
2 alpha-BHC						
1	2.467	2.457	0.010	398076270	H 4.17	
2	2.965	2.993	-0.028	456938099	H 4.86	
					RPD = 15.29	
4 gamma-BHC (Lindane)						
1	2.832	2.830	0.002	17283140	H 0.1935	
2	3.333	3.335	-0.002	16487399	H 0.1764	
					RPD = 9.24	
5 beta-BHC						
1	3.063	3.082	-0.019	126047214	H 3.05	
2	3.608	3.597	0.011	2854254	H 0.0824	
					RPD = 189.49	
7 delta-BHC						
1	3.362	3.370	-0.008	127290040	H 1.23	
2	3.855	3.845	0.010	2297942	H 0.0213	
					RPD = 193.21	
8 Heptachlor						
1	3.220	3.197	0.023	16263326	H 0.2082	
2	3.918	3.918	0.000	139422417	H 1.30	
					RPD = 144.96	
9 Aldrin						
1	3.513	3.505	0.008	4993463	H 0.0516	
2	4.225	4.212	0.013	36376880	H 0.3266	
					RPD = 145.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	4.018	4.010	0.008	72082991	H 0.7779	
2	4.585	4.583	0.002	15394969	H 0.1571	
					RPD = 132.81	
13 trans-Chlordane						
1	4.208	4.213	-0.005	108752744	H 1.11	
2	4.843	4.842	0.001	112300136	H 1.17	
					RPD = 4.97	
14 cis-Chlordane						
1	4.297	4.295	0.002	84698547	H 0.8593	
2	4.883	4.882	0.001	77283283	H 0.8547	
					RPD = 0.54	
15 Endosulfan I						
1	4.343	4.340	0.003	27691162	H 0.2990	
2	4.920	4.913	0.007	16049582	H 0.1757	
					RPD = 51.95	
16 4,4'-DDE						
1	4.473	4.468	0.005	3685436	H 0.0357	
2	4.998	4.997	0.001	2396518	H 0.0235	
					RPD = 41.05	
18 Dieldrin						
1	4.578	4.578	0.000	3032458751	H 29.2	
2	5.115	5.113	0.002	3194703699	H 29.7	
					RPD = 1.77	
19 Endrin						
1	4.832	4.830	0.002	84733883	H 0.9148	
2	5.307	5.290	0.017	188970909	H 2.04	
					RPD = 76.29	
22 4,4'-DDD						
1	4.945	4.927	0.018	207348539	H 2.42	
2	5.388	5.387	0.001	11803114	H 0.1593	
					RPD = 175.34	
23 Endosulfan II						
1	5.042	5.038	0.004	17767234	H 0.1938	
2	5.470	5.483	-0.013	5739146	H 0.0677	
					RPD = 96.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						MU
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.220	5.212	0.008	737872H	0.009697	
2	5.572	5.565	0.007	704139H	0.0109	
					RPD = 11.59	
26 4,4'-DDT						
1	5.138	5.138	0.000	68893860H	1.18	
2	5.615	5.613	0.002	44145702H	0.6828	
					RPD = 53.13	
27 Endosulfan sulfate						
1	5.348	5.362	-0.014	51298081H	0.6009	
2	5.755	5.768	-0.013	34937749H	0.4503	
					RPD = 28.66	
28 Methoxychlor						M
1	5.622	5.633	-0.011	4520640H	0.1507	M
2	5.923	5.922	0.001	2992450H	0.0836	
					RPD = 57.26	
29 Endrin ketone						
1	5.800	5.798	0.002	28355776H	0.3045	
2	6.075	6.073	0.002	14803871H	0.1863	
					RPD = 48.14	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.547	6.545	0.002	810816540H	8.68	
2	7.118	7.118	0.000	517436678H	8.37	
					RPD = 3.59	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 08:51:02 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.079.D

Injection Date: 02-Mar-2023 19:01:00 Instrument ID: 9147

Lims ID: 410-116613-B-7-A Lab Sample ID: 410-116613-7

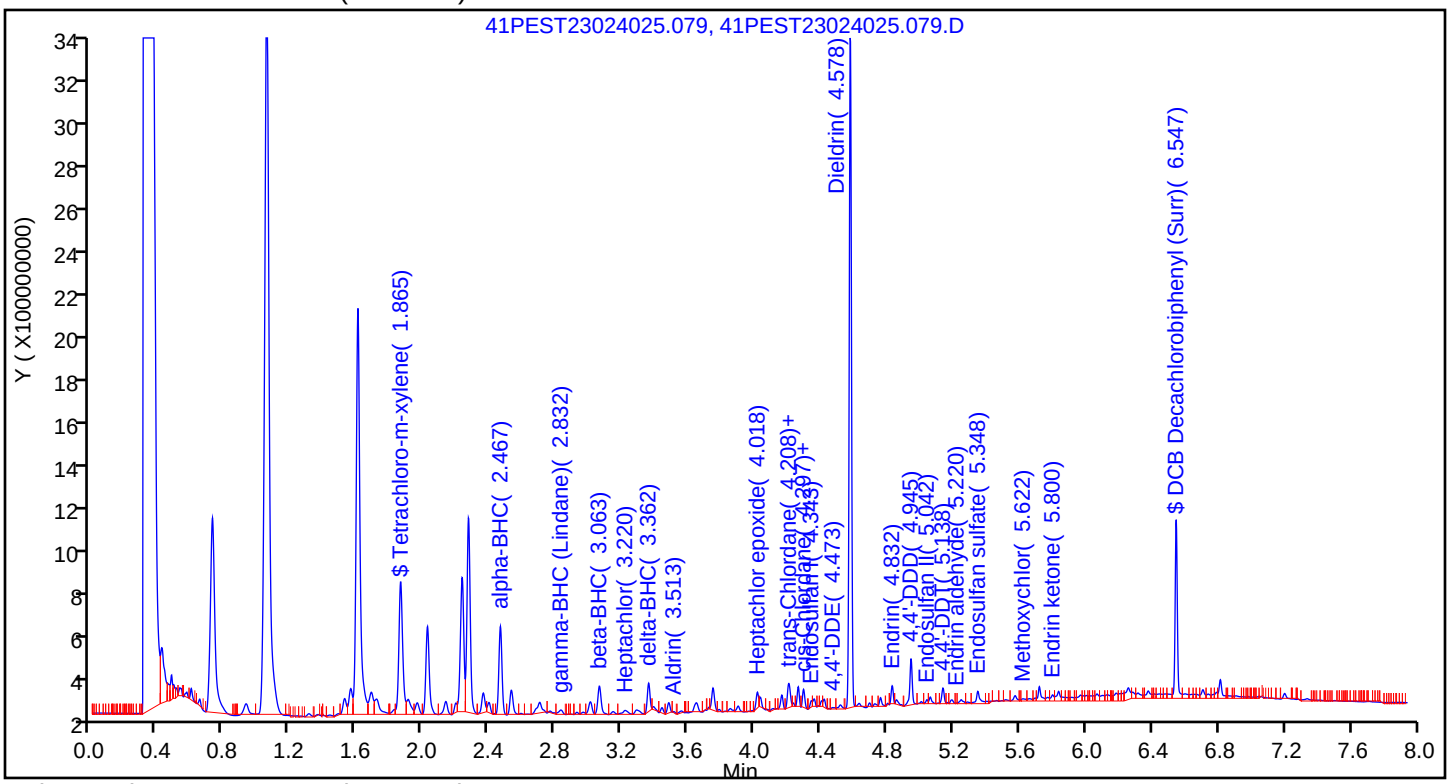
Client ID: MW-4-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 79

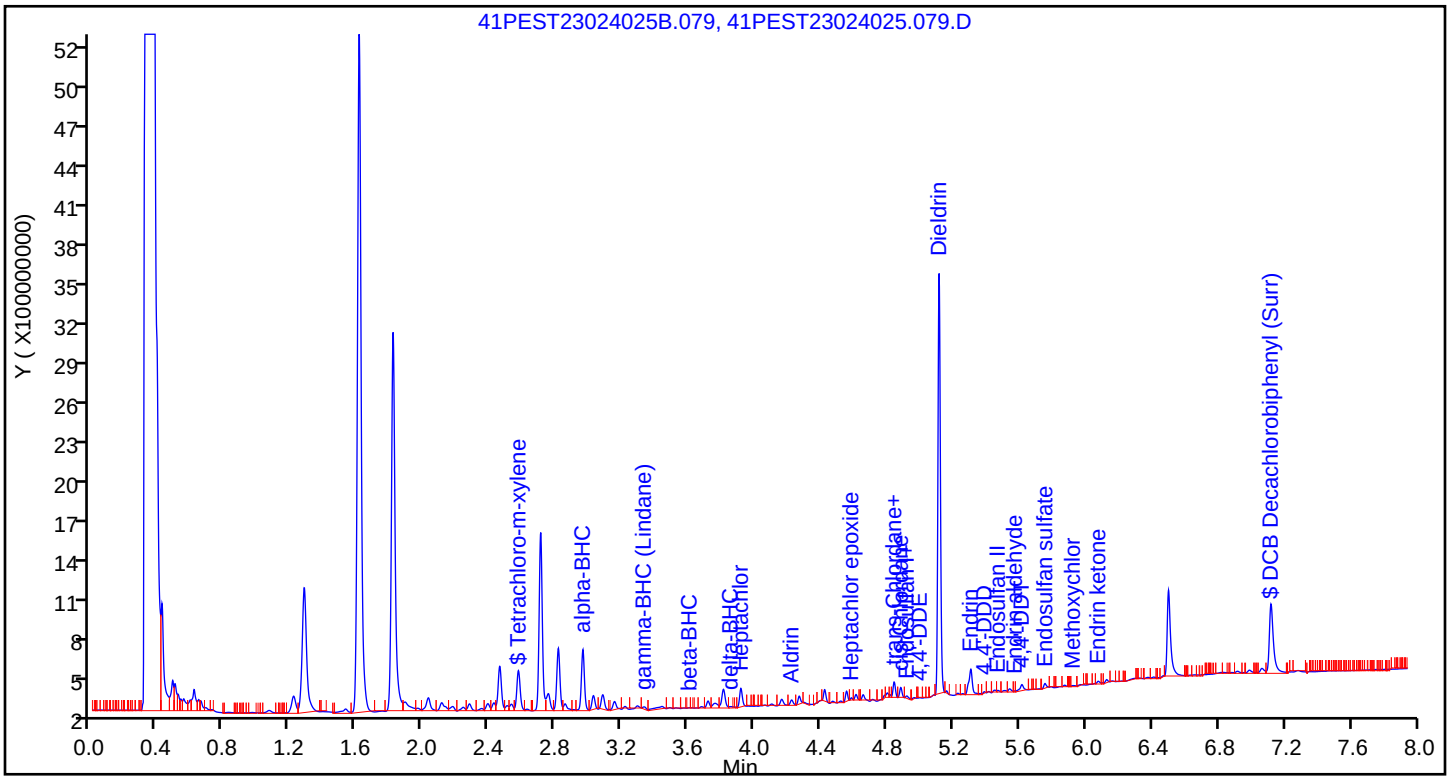
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.079.D				
Lims ID:	410-116613-B-7-A				
Client ID:	MW-4-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:01:00	ALS Bottle#:	0	Worklist Smp#:	79
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-7-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 08:51:02	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:34:05		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.47	62.81
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	8.68	58.21

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	8.55	56.66
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	8.37	56.16

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-4-F-20230222 Lab Sample ID: 410-116613-8

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.080.D

Analysis Method: 8081B Date Collected: 02/22/2023 12:44

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 246.9(mL) Date Analyzed: 03/02/2023 19:15

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 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	0.0054
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
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	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	ND		0.030	0.0051
72-55-9	p,p'-DDE	ND		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		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	64		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.080.D
Lims ID: 410-116613-B-8-A
Client ID: MW-4-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:15:00 ALS Bottle#: 0 Worklist Smp#: 80
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-8-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:33:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.863	1.862	0.001	605785134	H 9.59	
2	2.575	2.573	0.002	329005315	H 9.38	
					RPD = 2.19	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.832	2.830	0.002	2233590	H 0.0250	
2	3.338	3.335	0.003	168817	H 0.001806	
					RPD = 173.05	
5 beta-BHC						
1	3.103	3.082	0.021	40276769	H 0.9754	
2	3.607	3.597	0.010	1539872	H 0.0444	
					RPD = 182.57	
7 delta-BHC						
1	3.382	3.370	0.012	3350041	H 0.0324	
2	3.847	3.845	0.002	4619938	H 0.0427	
					RPD = 27.57	
8 Heptachlor						
1	3.185	3.197	-0.012	5514785	H 0.0706	
2	3.925	3.918	0.007	3998371	H 0.0374	
					RPD = 61.43	
9 Aldrin						
1	3.515	3.505	0.010	496354	H 0.005128	
2	4.220	4.212	0.008	3474178	H 0.0312	
					RPD = 143.52	
11 Heptachlor epoxide						
1	4.020	4.010	0.010	1455984	H 0.0157	
2	4.587	4.583	0.004	1395090	H 0.0142	
					RPD = 9.88	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.205	4.213	-0.008	5703534H	0.0583	
2	4.845	4.842	0.003	6618563H	0.0688	
					RPD = 16.60	
14 cis-Chlordane						
1	4.303	4.295	0.008	948948H	0.009628	
2	4.873	4.882	-0.009	2299500H	0.0254	
					RPD = 90.16	
15 Endosulfan I						
1	4.340	4.340	0.000	3610552H	0.0390	
2	4.925	4.913	0.012	2017046H	0.0221	
					RPD = 55.37	
16 4,4'-DDE						
1	4.488	4.468	0.020	2340543H	0.0227	
2	5.002	4.997	0.005	4729018H	0.0465	
					RPD = 68.80	
18 Dieldrin						
1	4.568	4.578	-0.010	9549827H	0.0920	
2	5.120	5.113	0.007	8265890H	0.0770	
					RPD = 17.83	
19 Endrin						
1	4.833	4.830	0.003	7025335H	0.0758	
2	5.297	5.290	0.007	7043506H	0.0762	
					RPD = 0.40	
22 4,4'-DDD						
1	4.917	4.927	-0.010	8561478H	0.1001	
2	5.390	5.387	0.003	1182265H	0.0160	
					RPD = 145.00	
23 Endosulfan II						
1	5.040	5.038	0.002	5736691H	0.0626	
2	5.483	5.483	0.000	340118H	0.004010	
					RPD = 175.91	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.217	5.212	0.005	4155688H	0.0546	
2	5.555	5.565	-0.010	354051H	0.005475	
					RPD = 163.55	
26 4,4'-DDT						
1	5.135	5.138	-0.003	10913655H	0.1864	
2	5.613	5.613	0.000	4848431H	0.0750	
					RPD = 85.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.348	5.362	-0.014	10045194 H	0.1177	
2	5.777	5.768	0.009	4768385 H	0.0615	
					RPD = 62.76	
28 Methoxychlor						
1	5.637	5.633	0.004	5072989 H	0.1691	
2	5.918	5.922	-0.004	1703180 H	0.0476	
					RPD = 112.15	
29 Endrin ketone						
1	5.800	5.798	0.002	4382588 H	0.0471	
2	6.082	6.073	0.009	7118249 H	0.0896	
					RPD = 62.26	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.545	6.545	0.000	932267181 H	9.98	
2	7.118	7.118	0.000	620241441 H	10.0	M
					RPD = 0.57	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:47 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.080.D

Injection Date: 02-Mar-2023 19:15:00 Instrument ID: 9147

Lims ID: 410-116613-B-8-A Lab Sample ID: 410-116613-8

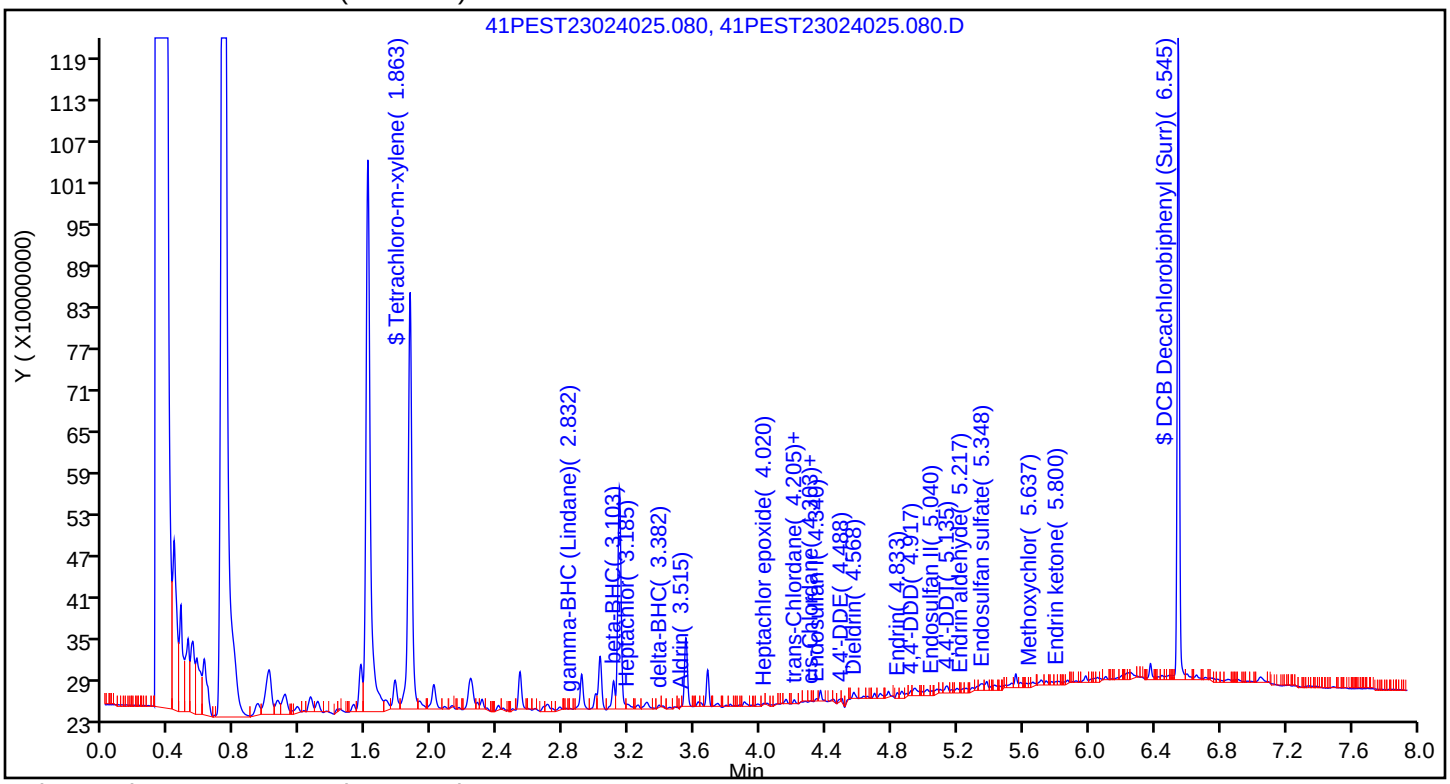
Client ID: MW-4-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 80

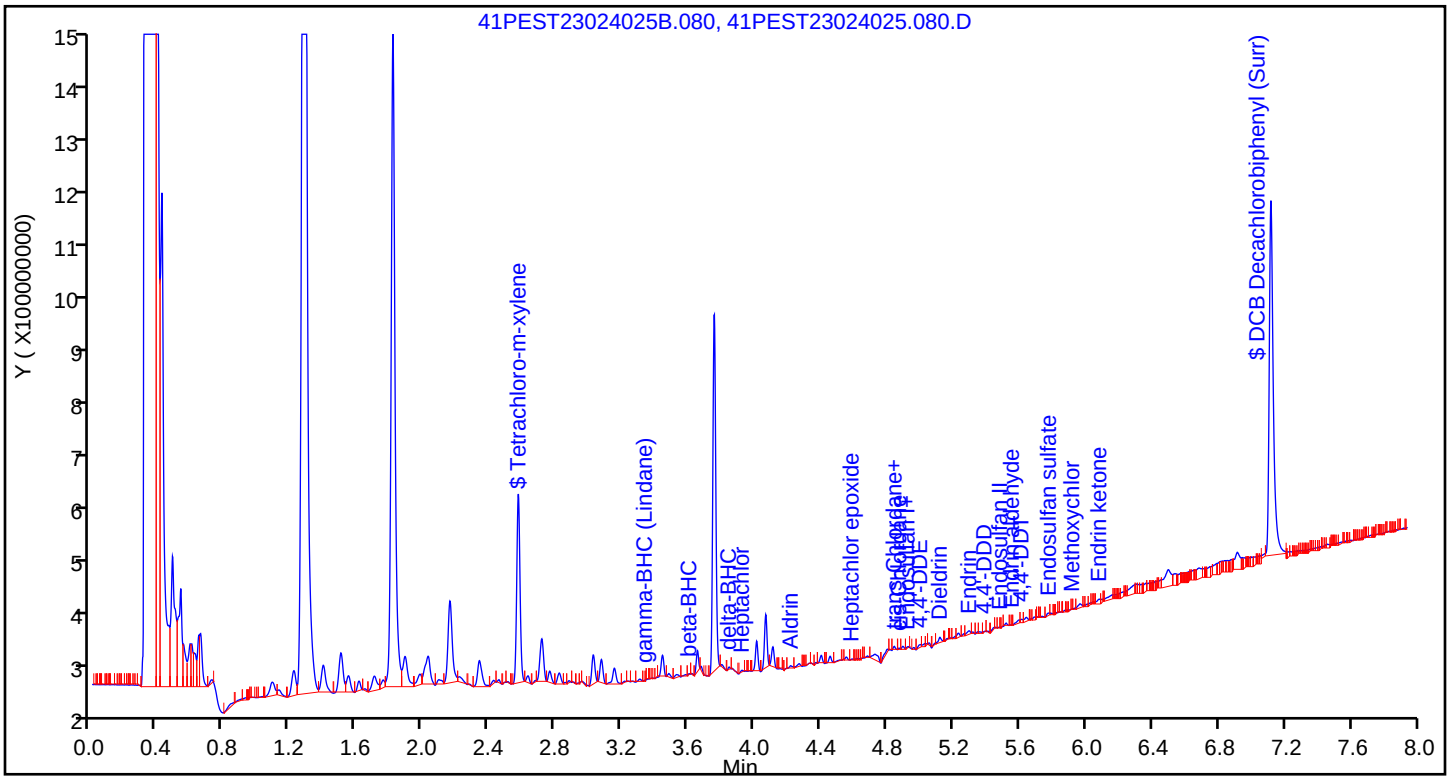
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.080.D				
Lims ID:	410-116613-B-8-A				
Client ID:	MW-4-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:15:00	ALS Bottle#:	0	Worklist Smp#:	80
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-8-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:33:53		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.59	63.59
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.98	66.93

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.38	62.21
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	10.0	67.32

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-4-F-20230222 Lab Sample ID: 410-116613-8

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.080.D

Analysis Method: 8081B Date Collected: 02/22/2023 12:44

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 246.9(mL) Date Analyzed: 03/02/2023 19:15

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND		0.030	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	67		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	62		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.080.D
Lims ID: 410-116613-B-8-A
Client ID: MW-4-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:15:00 ALS Bottle#: 0 Worklist Smp#: 80
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-8-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:33:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.863	1.862	0.001	605785134	H 9.59	
2	2.575	2.573	0.002	329005315	H 9.38	
					RPD = 2.19	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.832	2.830	0.002	2233590	H 0.0250	
2	3.338	3.335	0.003	168817	H 0.001806	
					RPD = 173.05	
5 beta-BHC						
1	3.103	3.082	0.021	40276769	H 0.9754	
2	3.607	3.597	0.010	1539872	H 0.0444	
					RPD = 182.57	
7 delta-BHC						
1	3.382	3.370	0.012	3350041	H 0.0324	
2	3.847	3.845	0.002	4619938	H 0.0427	
					RPD = 27.57	
8 Heptachlor						
1	3.185	3.197	-0.012	5514785	H 0.0706	
2	3.925	3.918	0.007	3998371	H 0.0374	
					RPD = 61.43	
9 Aldrin						
1	3.515	3.505	0.010	496354	H 0.005128	
2	4.220	4.212	0.008	3474178	H 0.0312	
					RPD = 143.52	
11 Heptachlor epoxide						
1	4.020	4.010	0.010	1455984	H 0.0157	
2	4.587	4.583	0.004	1395090	H 0.0142	
					RPD = 9.88	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.205	4.213	-0.008	5703534H	0.0583	
2	4.845	4.842	0.003	6618563H	0.0688	
					RPD = 16.60	
14 cis-Chlordane						
1	4.303	4.295	0.008	948948H	0.009628	
2	4.873	4.882	-0.009	2299500H	0.0254	
					RPD = 90.16	
15 Endosulfan I						
1	4.340	4.340	0.000	3610552H	0.0390	
2	4.925	4.913	0.012	2017046H	0.0221	
					RPD = 55.37	
16 4,4'-DDE						
1	4.488	4.468	0.020	2340543H	0.0227	
2	5.002	4.997	0.005	4729018H	0.0465	
					RPD = 68.80	
18 Dieldrin						
1	4.568	4.578	-0.010	9549827H	0.0920	
2	5.120	5.113	0.007	8265890H	0.0770	
					RPD = 17.83	
19 Endrin						
1	4.833	4.830	0.003	7025335H	0.0758	
2	5.297	5.290	0.007	7043506H	0.0762	
					RPD = 0.40	
22 4,4'-DDD						
1	4.917	4.927	-0.010	8561478H	0.1001	
2	5.390	5.387	0.003	1182265H	0.0160	
					RPD = 145.00	
23 Endosulfan II						
1	5.040	5.038	0.002	5736691H	0.0626	
2	5.483	5.483	0.000	340118H	0.004010	
					RPD = 175.91	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.217	5.212	0.005	4155688H	0.0546	
2	5.555	5.565	-0.010	354051H	0.005475	
					RPD = 163.55	
26 4,4'-DDT						
1	5.135	5.138	-0.003	10913655H	0.1864	
2	5.613	5.613	0.000	4848431H	0.0750	
					RPD = 85.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.348	5.362	-0.014	10045194H	0.1177	
2	5.777	5.768	0.009	4768385H	0.0615	
					RPD = 62.76	
28 Methoxychlor						
1	5.637	5.633	0.004	5072989H	0.1691	
2	5.918	5.922	-0.004	1703180H	0.0476	
					RPD = 112.15	
29 Endrin ketone						
1	5.800	5.798	0.002	4382588H	0.0471	
2	6.082	6.073	0.009	7118249H	0.0896	
					RPD = 62.26	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.545	6.545	0.000	932267181H	9.98	
2	7.118	7.118	0.000	620241441H	10.0	M
					RPD = 0.57	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:47 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.080.D

Injection Date: 02-Mar-2023 19:15:00 Instrument ID: 9147

Lims ID: 410-116613-B-8-A Lab Sample ID: 410-116613-8

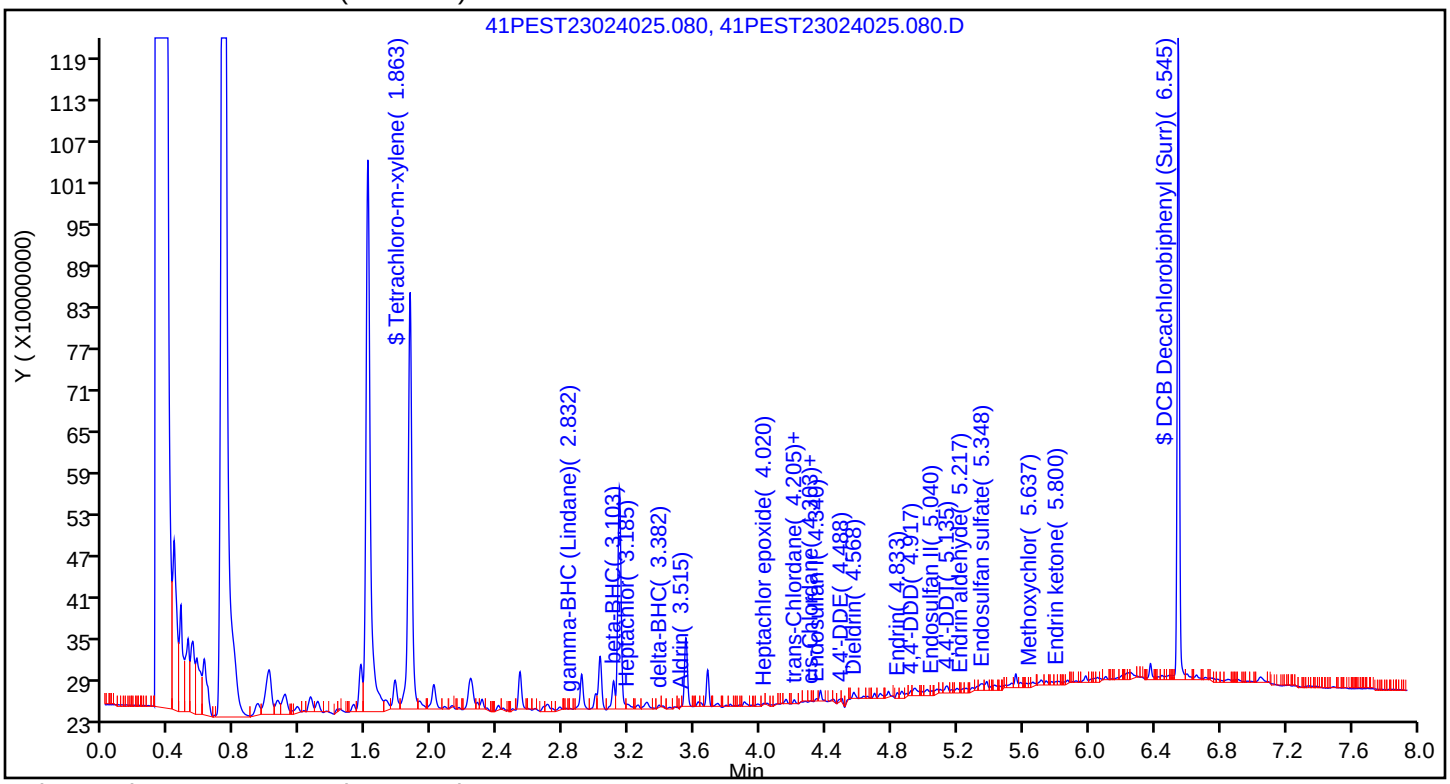
Client ID: MW-4-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 80

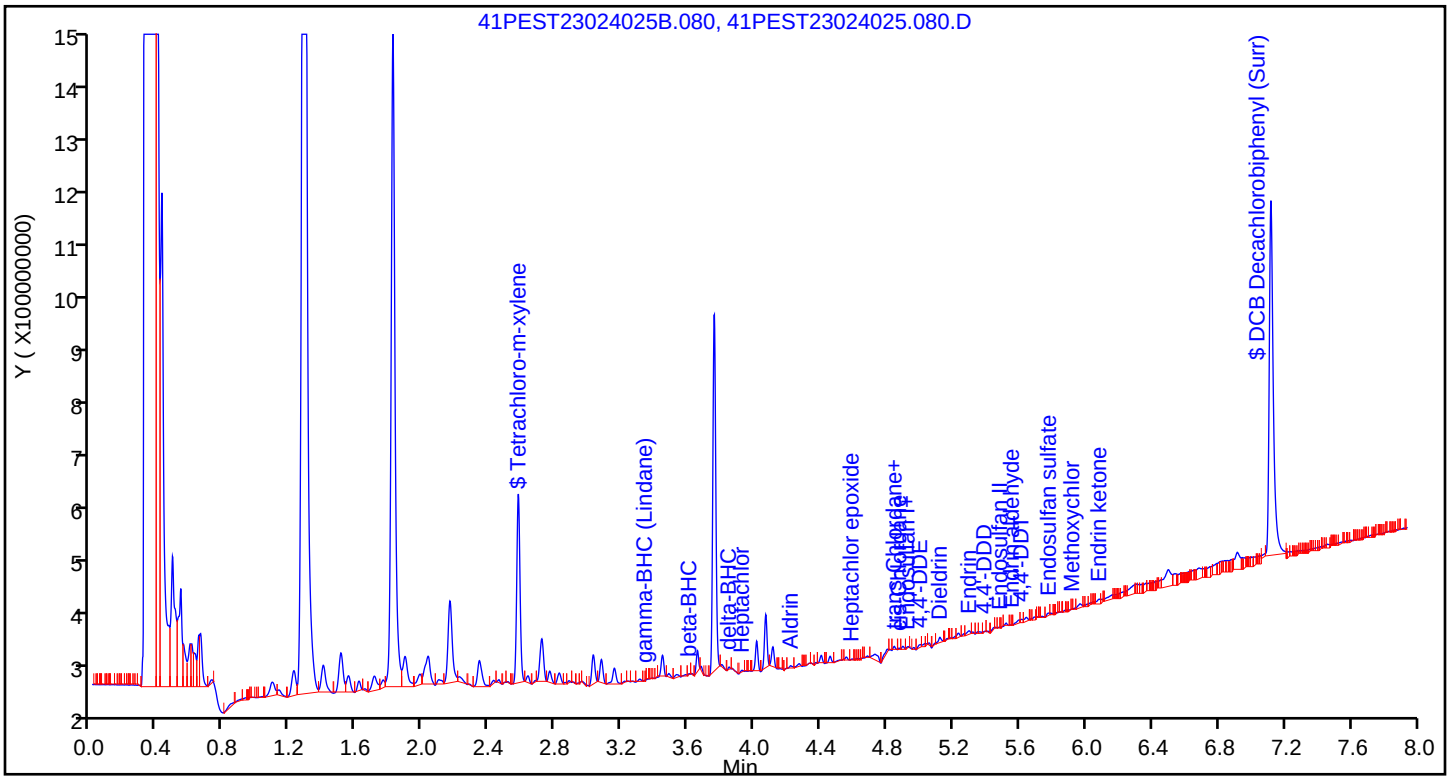
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.080.D				
Lims ID:	410-116613-B-8-A				
Client ID:	MW-4-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:15:00	ALS Bottle#:	0	Worklist Smp#:	80
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-8-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:33:53		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.59	63.59
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.98	66.93

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.38	62.21
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	10.0	67.32

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

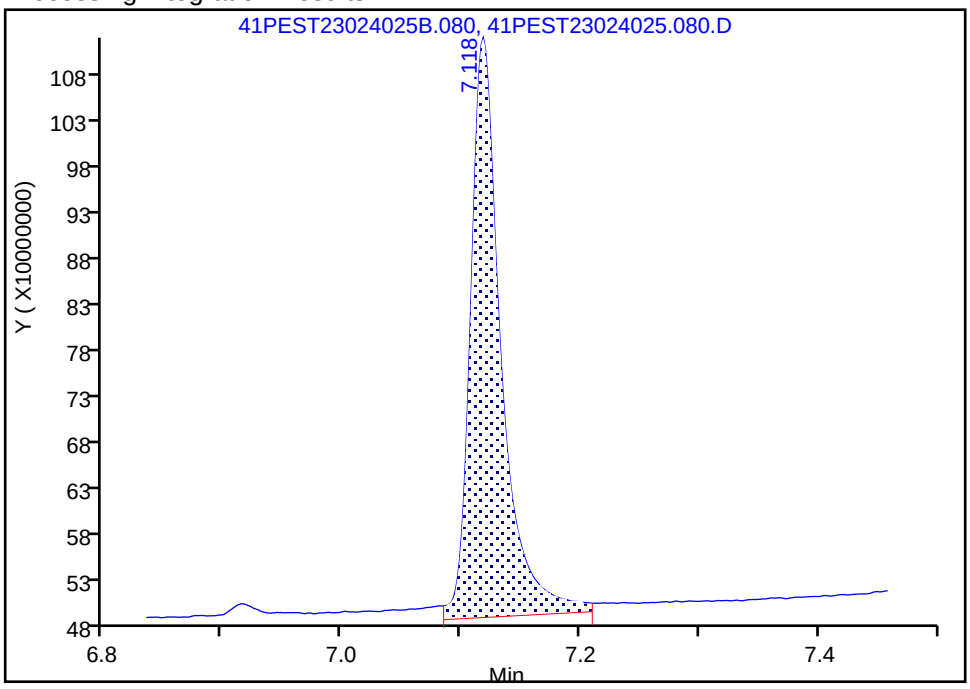
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.080.D				
Injection Date:	02-Mar-2023 19:15:00	Instrument ID:	9147		
Lims ID:	410-116613-B-8-A	Lab Sample ID:	410-116613-8		
Client ID:	MW-4-F-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	80
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	2BECDB		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 1

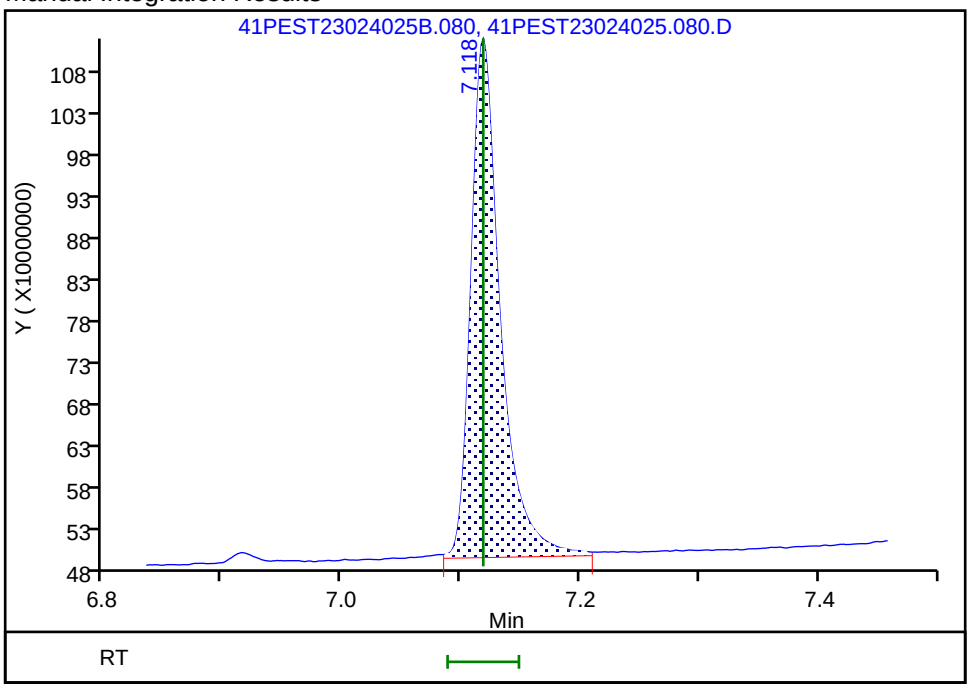
Processing Integration Results

RT: 7.12
Height: 629309121
Amount: 10.183733
Amount Units: ug/l



Manual Integration Results

RT: 7.12
Height: 620241441
Amount: 10.036996
Amount Units: ug/l



Reviewer: UAMZ, 03-Mar-2023 06:33:37
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-2D-UF-20230222 Lab Sample ID: 410-116613-9

Matrix: Water Lab File ID: 41PEST23024025.081.D

Analysis Method: 8081B Date Collected: 02/22/2023 13:33

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 241.8(mL) Date Analyzed: 03/02/2023 19:30

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 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	p	0.021	0.021
319-85-7	beta-BHC	ND		0.031	0.011
319-86-8	delta-BHC	ND		0.021	0.0035
60-57-1	Dieldrin	0.014	J	0.031	0.0055
959-98-8	Endosulfan I	ND		0.021	0.0044
33213-65-9	Endosulfan II	ND		0.041	0.016
72-20-8	Endrin	ND		0.031	0.0084
7421-93-4	Endrin aldehyde	ND		0.10	0.021
58-89-9	gamma-BHC (Lindane)	ND		0.021	0.0021
76-44-8	Heptachlor	ND		0.021	0.0021
72-43-5	Methoxychlor	ND		0.11	0.031
8001-35-2	Toxaphene	ND		1.0	0.31
72-55-9	p,p'-DDE	0.077		0.031	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	43		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	73		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.081.D
Lims ID: 410-116613-B-9-A
Client ID: MW-2D-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:30:00 ALS Bottle#: 0 Worklist Smp#: 81
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-9-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:33:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	692721094	H 11.0	
2	2.568	2.573	-0.005	368152290	H 10.5	
					RPD = 4.36	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.827	2.830	-0.003	189913	H 0.002126	
2	3.323	3.335	-0.012	9499308	H 0.1016	
					RPD = 191.80	
5 beta-BHC						
1	3.065	3.082	-0.017	3165556	H 0.0767	
2	3.582	3.597	-0.015	25231616	H 0.7280	
					RPD = 161.89	
7 delta-BHC						
1	3.380	3.370	0.010	5367242	H 0.0519	
2	3.860	3.845	0.015	6982276	H 0.0646	
					RPD = 21.82	
8 Heptachlor						
1	3.188	3.197	-0.009	400557	H 0.005127	
2	3.913	3.918	-0.005	8963054	H 0.0839	
					RPD = 176.96	
9 Aldrin						
1	3.490	3.505	-0.015	4214032	H 0.0435	
2	4.218	4.212	0.006	33688601	H 0.3025	
					RPD = 149.67	
11 Heptachlor epoxide						
1	3.987	4.010	-0.023	18975585	H 0.2048	
2	4.582	4.583	-0.001	25673043	H 0.2619	
					RPD = 24.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.210	4.213	-0.003	44402604	H 0.4537	
2	4.840	4.842	-0.002	58235297	H 0.6056	
					RPD = 28.68	
14 cis-Chlordane						
1	4.292	4.295	-0.003	23196944	H 0.2353	
2	4.892	4.882	0.010	68781625	H 0.7607	
					RPD = 105.49	
15 Endosulfan I						
1	4.340	4.340	0.000	11087609	H 0.1197	
2	4.917	4.913	0.004	19746982	H 0.2162	
					RPD = 57.43	
16 4,4'-DDE						
1	4.465	4.468	-0.003	386737250	H 3.75	
2	4.992	4.997	-0.005	378475709	H 3.72	
					RPD = 0.76	
18 Dieldrin						
1	4.575	4.578	-0.003	69745365	H 0.6721	
2	5.108	5.113	-0.005	51433643	H 0.4789	
					RPD = 33.58	
19 Endrin						
1	4.827	4.830	-0.003	13646938	H 0.1473	
2	5.285	5.290	-0.005	4278526	H 0.0463	
					RPD = 104.42	
22 4,4'-DDD						
1	4.925	4.927	-0.002	1041690694	H 12.2	
2	5.382	5.387	-0.005	916158461	H 12.4	
					RPD = 1.51	
23 Endosulfan II						
1	5.037	5.038	-0.001	29219703	H 0.3187	
2	5.485	5.483	0.002	13541160	H 0.1596	
					RPD = 66.50	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.230	5.212	0.018	27166369	H 0.3570	
2	5.582	5.565	0.017	909023491	H 14.1	
					RPD = 190.09	
26 4,4'-DDT						
1	5.125	5.138	-0.013	732665892	H 12.5	
2	5.605	5.613	-0.008	143425435	H 2.22	
					RPD = 139.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.365	5.362	0.003	29226981	0.3424	H
2	5.783	5.768	0.015	3741841	0.0482	H
					RPD = 150.61	
28 Methoxychlor						
1	5.633	5.633	0.000	29475268	0.9823	H
2	5.932	5.922	0.010	4231222	0.1182	H
					RPD = 157.04	
29 Endrin ketone						
1	5.793	5.798	-0.005	32483983	0.3488	H
2	6.070	6.073	-0.003	12182285	0.1533	H
					RPD = 77.85	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.542	6.545	-0.003	602445729	6.45	H
2	7.112	7.118	-0.006	426468916	6.90	H
					RPD = 6.78	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:48 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.081.D

Injection Date: 02-Mar-2023 19:30:00 Instrument ID: 9147

Lims ID: 410-116613-B-9-A Lab Sample ID: 410-116613-9

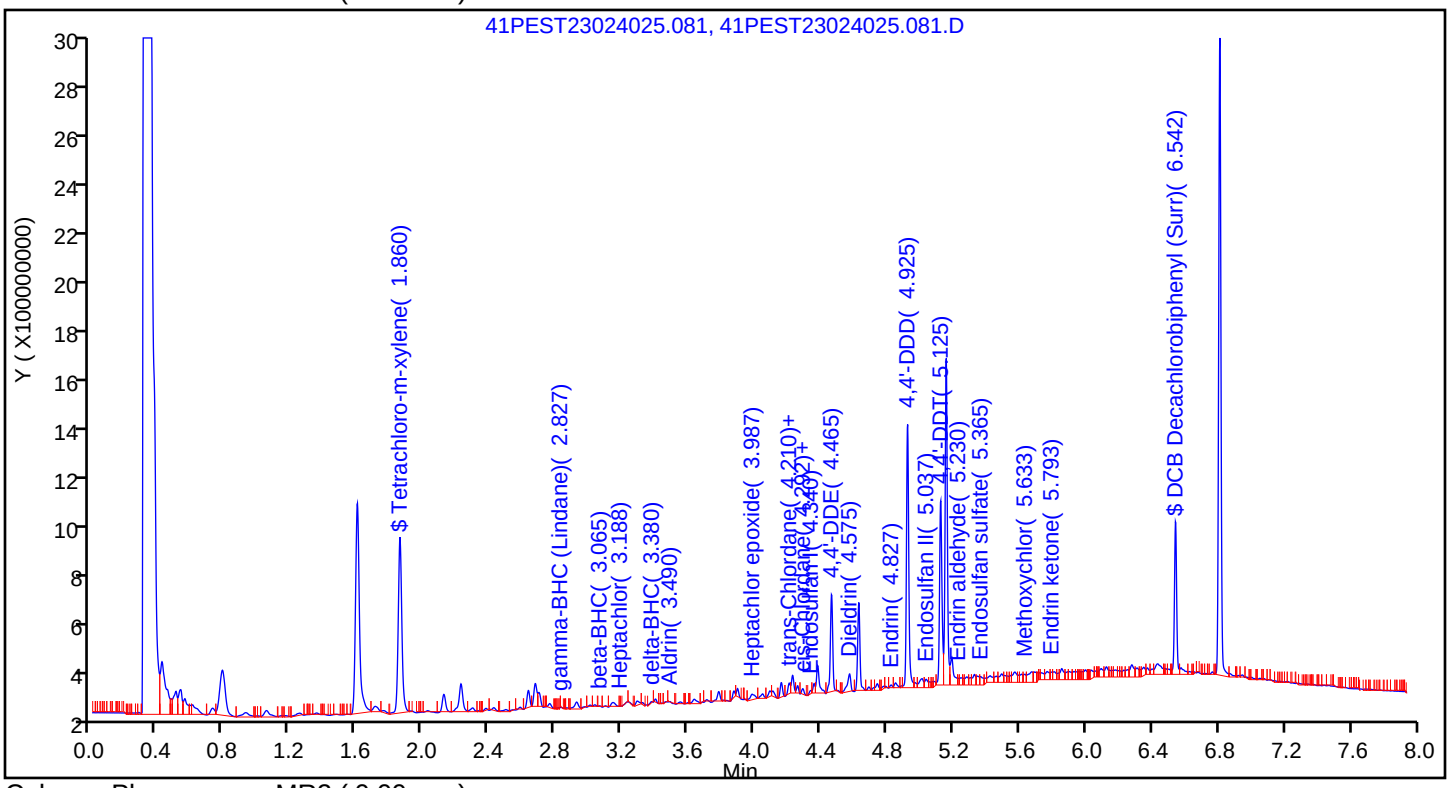
Client ID: MW-2D-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 81

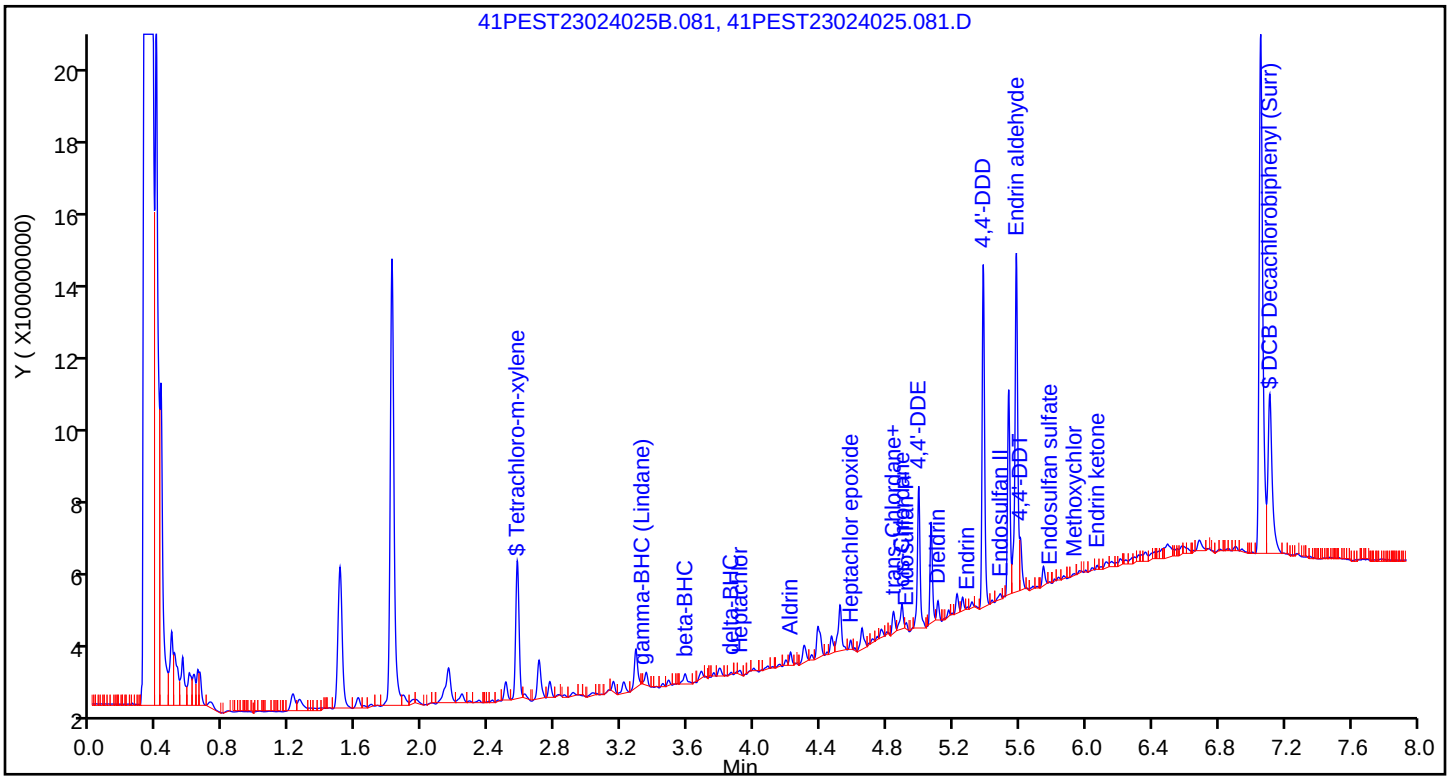
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.081.D				
Lims ID:	410-116613-B-9-A				
Client ID:	MW-2D-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:30:00	ALS Bottle#:	0	Worklist Smp#:	81
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-9-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:33:28		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	11.0	72.71
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	6.45	43.25

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.5	69.61
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	6.90	46.29

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-2D-UF-20230222 Lab Sample ID: 410-116613-9

Matrix: Water Lab File ID: 41PEST23024025.081.D

Analysis Method: 8081B Date Collected: 02/22/2023 13:33

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 241.8(mL) Date Analyzed: 03/02/2023 19:30

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1031-07-8	Endosulfan sulfate	ND		0.031	0.0060
53494-70-5	Endrin ketone	ND		0.031	0.0052
5103-74-2	gamma-Chlordane	0.013	J	0.041	0.0072
1024-57-3	Heptachlor epoxide	0.0054	J B	0.021	0.0024
72-54-8	p,p'-DDD	0.26		0.031	0.0052
50-29-3	p,p'-DDT	ND	p	0.047	0.047

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	46		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	70		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.081.D
Lims ID: 410-116613-B-9-A
Client ID: MW-2D-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:30:00 ALS Bottle#: 0 Worklist Smp#: 81
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-9-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:33:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	692721094	H 11.0	
2	2.568	2.573	-0.005	368152290	H 10.5	
					RPD = 4.36	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.827	2.830	-0.003	189913	H 0.002126	
2	3.323	3.335	-0.012	9499308	H 0.1016	
					RPD = 191.80	
5 beta-BHC						
1	3.065	3.082	-0.017	3165556	H 0.0767	
2	3.582	3.597	-0.015	25231616	H 0.7280	
					RPD = 161.89	
7 delta-BHC						
1	3.380	3.370	0.010	5367242	H 0.0519	
2	3.860	3.845	0.015	6982276	H 0.0646	
					RPD = 21.82	
8 Heptachlor						
1	3.188	3.197	-0.009	400557	H 0.005127	
2	3.913	3.918	-0.005	8963054	H 0.0839	
					RPD = 176.96	
9 Aldrin						
1	3.490	3.505	-0.015	4214032	H 0.0435	
2	4.218	4.212	0.006	33688601	H 0.3025	
					RPD = 149.67	
11 Heptachlor epoxide						
1	3.987	4.010	-0.023	18975585	H 0.2048	
2	4.582	4.583	-0.001	25673043	H 0.2619	
					RPD = 24.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.210	4.213	-0.003	44402604	H 0.4537	
2	4.840	4.842	-0.002	58235297	H 0.6056	
					RPD = 28.68	
14 cis-Chlordane						
1	4.292	4.295	-0.003	23196944	H 0.2353	
2	4.892	4.882	0.010	68781625	H 0.7607	
					RPD = 105.49	
15 Endosulfan I						
1	4.340	4.340	0.000	11087609	H 0.1197	
2	4.917	4.913	0.004	19746982	H 0.2162	
					RPD = 57.43	
16 4,4'-DDE						
1	4.465	4.468	-0.003	386737250	H 3.75	
2	4.992	4.997	-0.005	378475709	H 3.72	
					RPD = 0.76	
18 Dieldrin						
1	4.575	4.578	-0.003	69745365	H 0.6721	
2	5.108	5.113	-0.005	51433643	H 0.4789	
					RPD = 33.58	
19 Endrin						
1	4.827	4.830	-0.003	13646938	H 0.1473	
2	5.285	5.290	-0.005	4278526	H 0.0463	
					RPD = 104.42	
22 4,4'-DDD						
1	4.925	4.927	-0.002	1041690694	H 12.2	
2	5.382	5.387	-0.005	916158461	H 12.4	
					RPD = 1.51	
23 Endosulfan II						
1	5.037	5.038	-0.001	29219703	H 0.3187	
2	5.485	5.483	0.002	13541160	H 0.1596	
					RPD = 66.50	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.230	5.212	0.018	27166369	H 0.3570	
2	5.582	5.565	0.017	909023491	H 14.1	
					RPD = 190.09	
26 4,4'-DDT						
1	5.125	5.138	-0.013	732665892	H 12.5	
2	5.605	5.613	-0.008	143425435	H 2.22	
					RPD = 139.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.365	5.362	0.003	29226981	0.3424	H
2	5.783	5.768	0.015	3741841	0.0482	H
					RPD = 150.61	
28 Methoxychlor						
1	5.633	5.633	0.000	29475268	0.9823	H
2	5.932	5.922	0.010	4231222	0.1182	H
					RPD = 157.04	
29 Endrin ketone						
1	5.793	5.798	-0.005	32483983	0.3488	H
2	6.070	6.073	-0.003	12182285	0.1533	H
					RPD = 77.85	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.542	6.545	-0.003	602445729	6.45	H
2	7.112	7.118	-0.006	426468916	6.90	H
					RPD = 6.78	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:49 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.081.D

Injection Date: 02-Mar-2023 19:30:00 Instrument ID: 9147

Lims ID: 410-116613-B-9-A Lab Sample ID: 410-116613-9

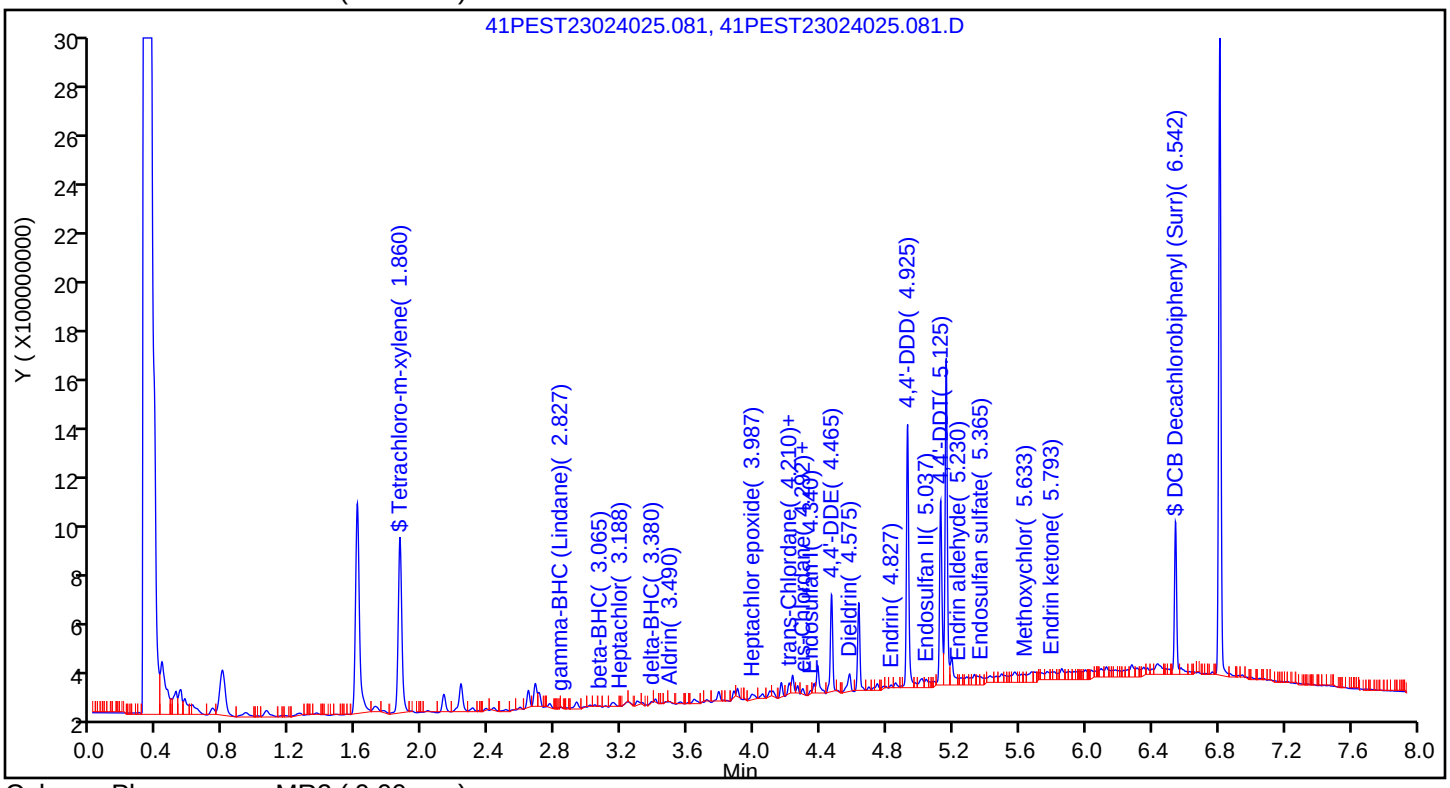
Client ID: MW-2D-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 81

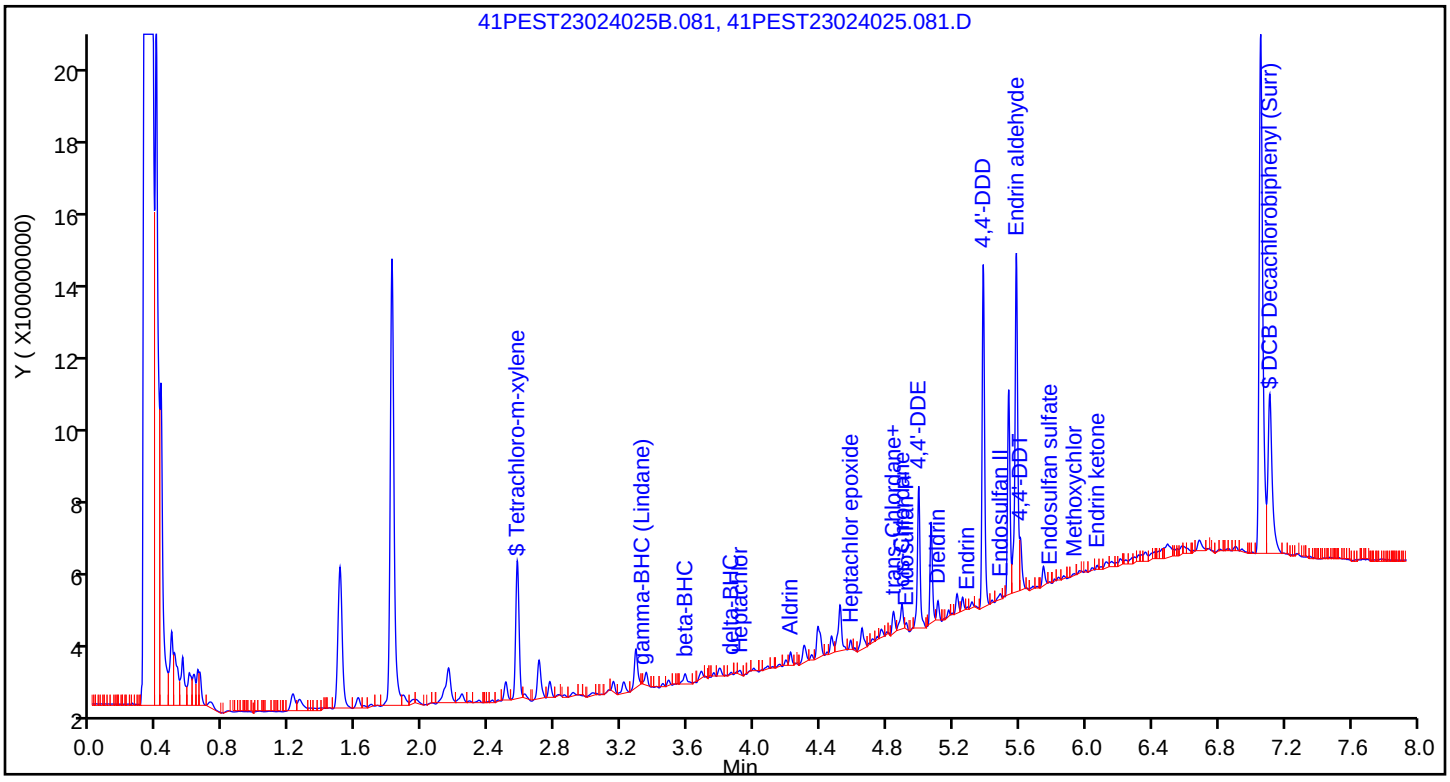
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.081.D				
Lims ID:	410-116613-B-9-A				
Client ID:	MW-2D-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:30:00	ALS Bottle#:	0	Worklist Smp#:	81
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-9-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:33:28		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	11.0	72.71
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	6.45	43.25

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.5	69.61
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	6.90	46.29

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-2D-F-20230222 Lab Sample ID: 410-116613-10

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.082.D

Analysis Method: 8081B Date Collected: 02/22/2023 13:38

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 248.5(mL) Date Analyzed: 03/02/2023 19:45

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 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
319-85-7	beta-BHC	ND		0.030	0.011
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
72-55-9	p,p'-DDE	ND		0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	49		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	70		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.082.D
Lims ID: 410-116613-B-10-A
Client ID: MW-2D-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:45:00 ALS Bottle#: 0 Worklist Smp#: 82
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-10-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:33:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	664712592	H 10.5	
2	2.570	2.573	-0.003	357021112	H 10.2	
					RPD = 3.30	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.825	2.830	-0.005	1005471	H 0.0113	
2	3.347	3.335	0.012	36598020	H 0.3916	
					RPD = 188.82	
5 beta-BHC						
1	3.067	3.082	-0.015	2657234	H 0.0644	
2	3.605	3.597	0.008	972208	H 0.0281	
					RPD = 78.57	
7 delta-BHC						
1	3.368	3.370	-0.002	592333	H 0.005726	
2	3.845	3.845	0.000	6120322	H 0.0566	
					RPD = 163.26	
8 Heptachlor						
1	3.193	3.197	-0.004	534414	H 0.006840	
2	3.913	3.918	-0.005	15567562	H 0.1457	
					RPD = 182.06	
9 Aldrin						
1	3.515	3.505	0.010	533638	H 0.005513	
2	4.218	4.212	0.006	34016091	H 0.3054	
					RPD = 192.91	
11 Heptachlor epoxide						
1	4.030	4.010	0.020	864842	H 0.009333	
2	4.580	4.583	-0.003	24812670	H 0.2531	
					RPD = 185.78	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.208	4.213	-0.005	20031538H	0.2047	
2	4.840	4.842	-0.002	22713201H	0.2362	
					RPD = 14.30	
14 cis-Chlordane						
1	4.288	4.295	-0.007	3667426H	0.0372	
2	4.892	4.882	0.010	71002238H	0.7853	
					RPD = 181.90	
15 Endosulfan I						
1	4.342	4.340	0.002	4414016H	0.0477	
2	4.920	4.913	0.007	6933251H	0.0759	
					RPD = 45.70	
16 4,4'-DDE						
1	4.483	4.468	0.015	14438845H	0.1399	
2	5.010	4.997	0.013	335230H	0.003293	
					RPD = 190.80	
18 Dieldrin						
1	4.563	4.578	-0.015	20488901H	0.1974	
2	5.110	5.113	-0.003	7150636H	0.0666	
					RPD = 99.13	
19 Endrin						
1	4.828	4.830	-0.002	8211378H	0.0886	
2	5.283	5.290	-0.007	9907268H	0.1071	
					RPD = 18.86	
22 4,4'-DDD						
1	4.938	4.927	0.011	86841874H	1.02	
2	5.378	5.387	-0.009	25273644H	0.3411	
					RPD = 99.41	
23 Endosulfan II						
1	5.035	5.038	-0.003	10397979H	0.1134	
2	5.485	5.483	0.002	15367800H	0.1812	
					RPD = 46.01	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.222	5.212	0.010	5384106H	0.0708	
2	5.567	5.565	0.002	31474980H	0.4867	
					RPD = 149.23	
26 4,4'-DDT						
1	5.128	5.138	-0.010	19490137H	0.3329	
2	5.610	5.613	-0.003	14397815H	0.2227	
					RPD = 39.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.353	5.362	-0.009	1233678	0.0145	H
2	5.762	5.768	-0.006	14505380	0.1869	H
					RPD = 171.30	
28 Methoxychlor						
1	5.630	5.633	-0.003	1163888	0.0388	H
2	5.932	5.922	0.010	19797821	0.5531	H
					RPD = 173.78	
29 Endrin ketone						
1	5.797	5.798	-0.001	2635855	0.0283	H
2	6.068	6.073	-0.005	19458543	0.2449	H
					RPD = 158.57	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.543	6.545	-0.002	685468850	7.34	H
2	7.112	7.118	-0.006	472961341	7.65	H
					RPD = 4.22	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:50 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.082.D

Injection Date: 02-Mar-2023 19:45:00 Instrument ID: 9147

Lims ID: 410-116613-B-10-A Lab Sample ID: 410-116613-10

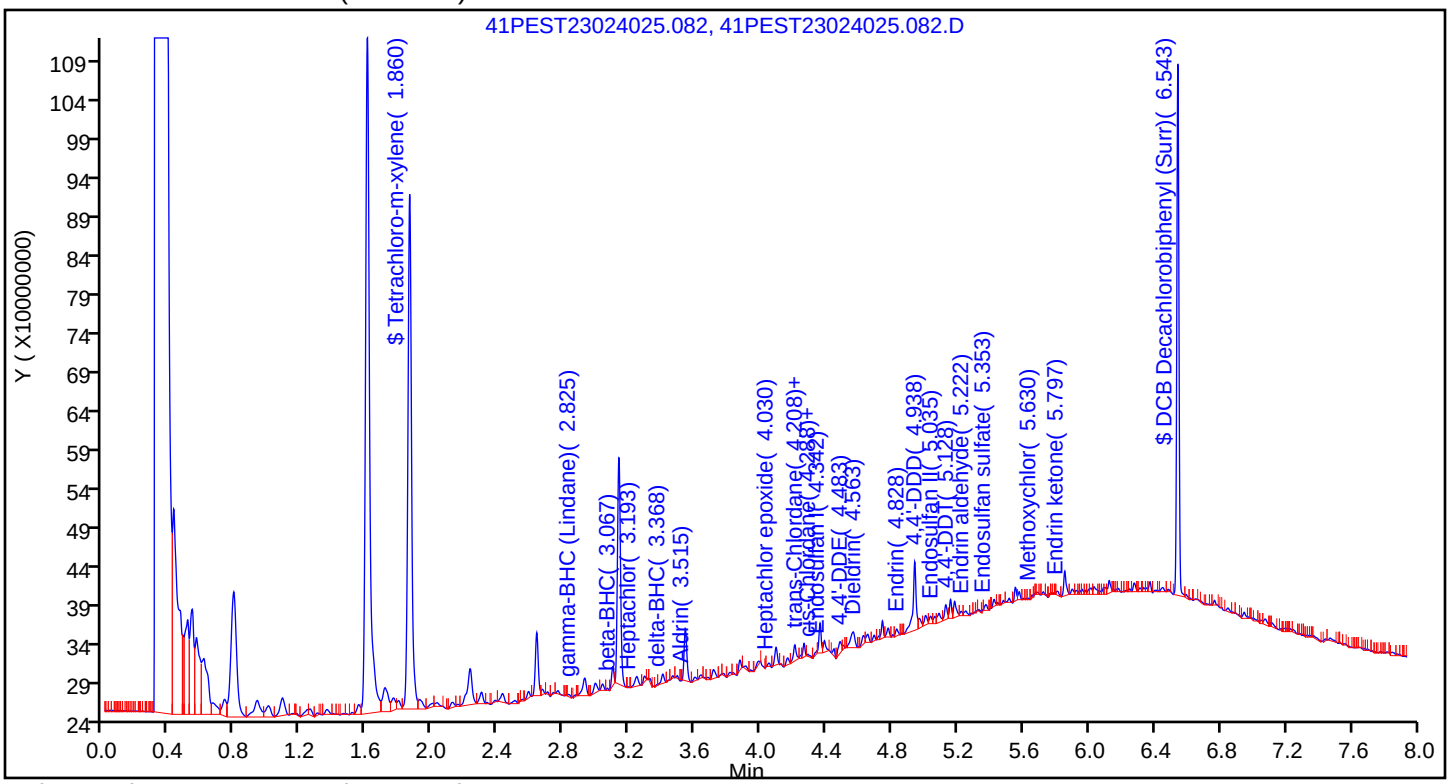
Client ID: MW-2D-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 82

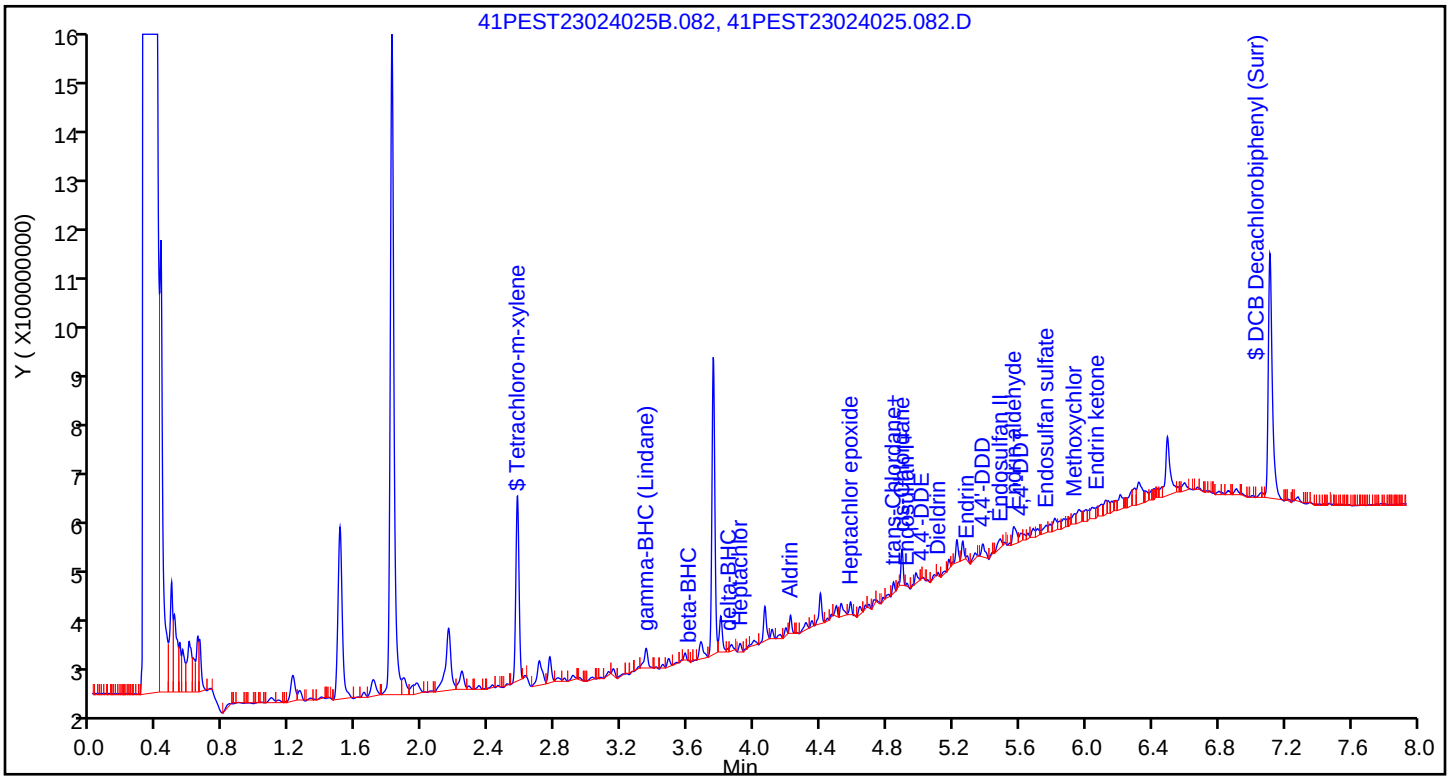
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.082.D				
Lims ID:	410-116613-B-10-A				
Client ID:	MW-2D-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:45:00	ALS Bottle#:	0	Worklist Smp#:	82
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-10-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:33:16		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.5	69.77
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	7.34	49.21

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.2	67.50
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	7.65	51.33

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-2D-F-20230222 Lab Sample ID: 410-116613-10

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.082.D

Analysis Method: 8081B Date Collected: 02/22/2023 13:38

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 248.5(mL) Date Analyzed: 03/02/2023 19:45

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	p,p'-DDD	0.0069	J p	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)	51		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	68		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.082.D
Lims ID: 410-116613-B-10-A
Client ID: MW-2D-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:45:00 ALS Bottle#: 0 Worklist Smp#: 82
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-10-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:33:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	664712592	H 10.5	
2	2.570	2.573	-0.003	357021112	H 10.2	
					RPD = 3.30	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.825	2.830	-0.005	1005471	H 0.0113	
2	3.347	3.335	0.012	36598020	H 0.3916	
					RPD = 188.82	
5 beta-BHC						
1	3.067	3.082	-0.015	2657234	H 0.0644	
2	3.605	3.597	0.008	972208	H 0.0281	
					RPD = 78.57	
7 delta-BHC						
1	3.368	3.370	-0.002	592333	H 0.005726	
2	3.845	3.845	0.000	6120322	H 0.0566	
					RPD = 163.26	
8 Heptachlor						
1	3.193	3.197	-0.004	534414	H 0.006840	
2	3.913	3.918	-0.005	15567562	H 0.1457	
					RPD = 182.06	
9 Aldrin						
1	3.515	3.505	0.010	533638	H 0.005513	
2	4.218	4.212	0.006	34016091	H 0.3054	
					RPD = 192.91	
11 Heptachlor epoxide						
1	4.030	4.010	0.020	864842	H 0.009333	
2	4.580	4.583	-0.003	24812670	H 0.2531	
					RPD = 185.78	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.208	4.213	-0.005	20031538H	0.2047	
2	4.840	4.842	-0.002	22713201H	0.2362	
					RPD = 14.30	
14 cis-Chlordane						
1	4.288	4.295	-0.007	3667426H	0.0372	
2	4.892	4.882	0.010	71002238H	0.7853	
					RPD = 181.90	
15 Endosulfan I						
1	4.342	4.340	0.002	4414016H	0.0477	
2	4.920	4.913	0.007	6933251H	0.0759	
					RPD = 45.70	
16 4,4'-DDE						
1	4.483	4.468	0.015	14438845H	0.1399	
2	5.010	4.997	0.013	335230H	0.003293	
					RPD = 190.80	
18 Dieldrin						
1	4.563	4.578	-0.015	20488901H	0.1974	
2	5.110	5.113	-0.003	7150636H	0.0666	
					RPD = 99.13	
19 Endrin						
1	4.828	4.830	-0.002	8211378H	0.0886	
2	5.283	5.290	-0.007	9907268H	0.1071	
					RPD = 18.86	
22 4,4'-DDD						
1	4.938	4.927	0.011	86841874H	1.02	
2	5.378	5.387	-0.009	25273644H	0.3411	
					RPD = 99.41	
23 Endosulfan II						
1	5.035	5.038	-0.003	10397979H	0.1134	
2	5.485	5.483	0.002	15367800H	0.1812	
					RPD = 46.01	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.222	5.212	0.010	5384106H	0.0708	
2	5.567	5.565	0.002	31474980H	0.4867	
					RPD = 149.23	
26 4,4'-DDT						
1	5.128	5.138	-0.010	19490137H	0.3329	
2	5.610	5.613	-0.003	14397815H	0.2227	
					RPD = 39.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.353	5.362	-0.009	1233678	0.0145	H
2	5.762	5.768	-0.006	14505380	0.1869	H
					RPD = 171.30	
28 Methoxychlor						
1	5.630	5.633	-0.003	1163888	0.0388	H
2	5.932	5.922	0.010	19797821	0.5531	H
					RPD = 173.78	
29 Endrin ketone						
1	5.797	5.798	-0.001	2635855	0.0283	H
2	6.068	6.073	-0.005	19458543	0.2449	H
					RPD = 158.57	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.543	6.545	-0.002	685468850	7.34	H
2	7.112	7.118	-0.006	472961341	7.65	H
					RPD = 4.22	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:50 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.082.D

Injection Date: 02-Mar-2023 19:45:00 Instrument ID: 9147

Lims ID: 410-116613-B-10-A Lab Sample ID: 410-116613-10

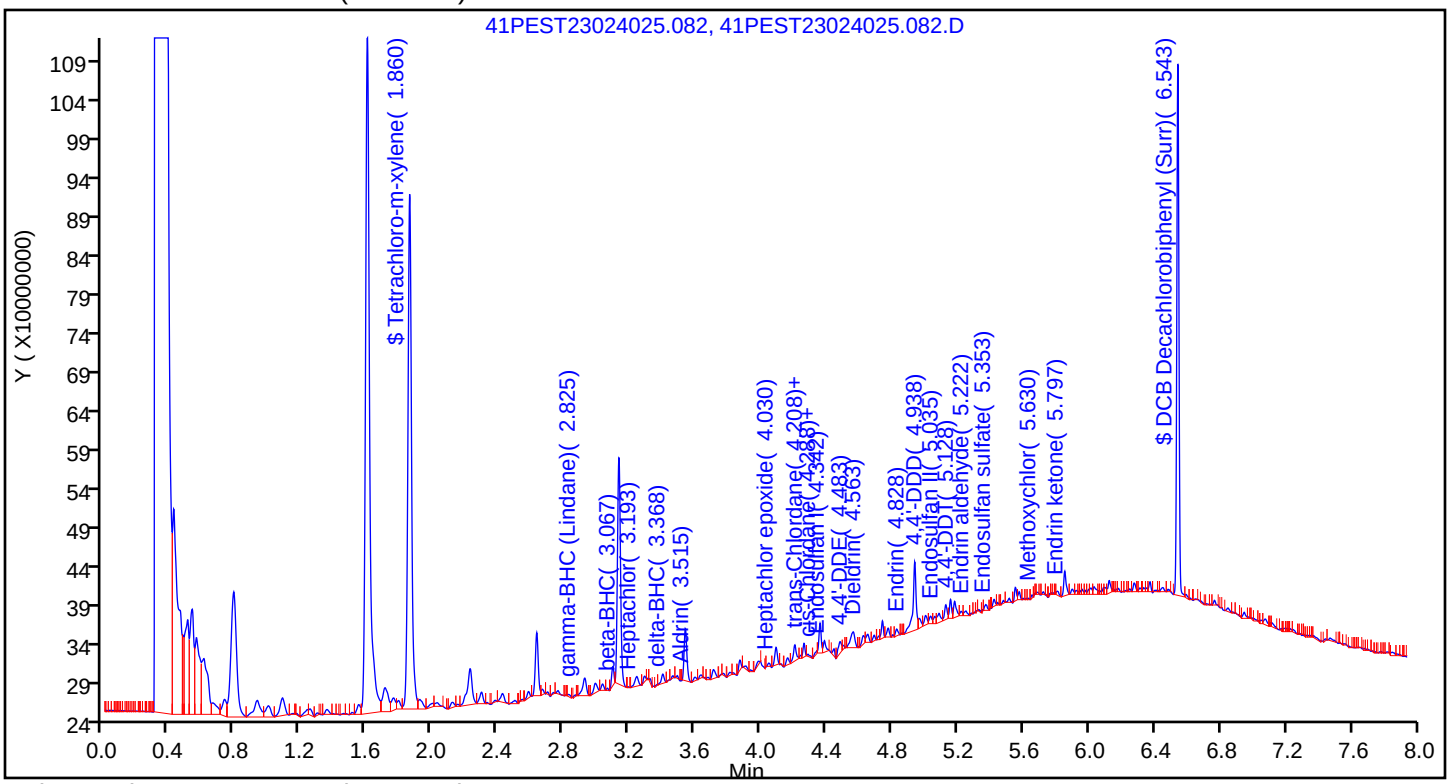
Client ID: MW-2D-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 82

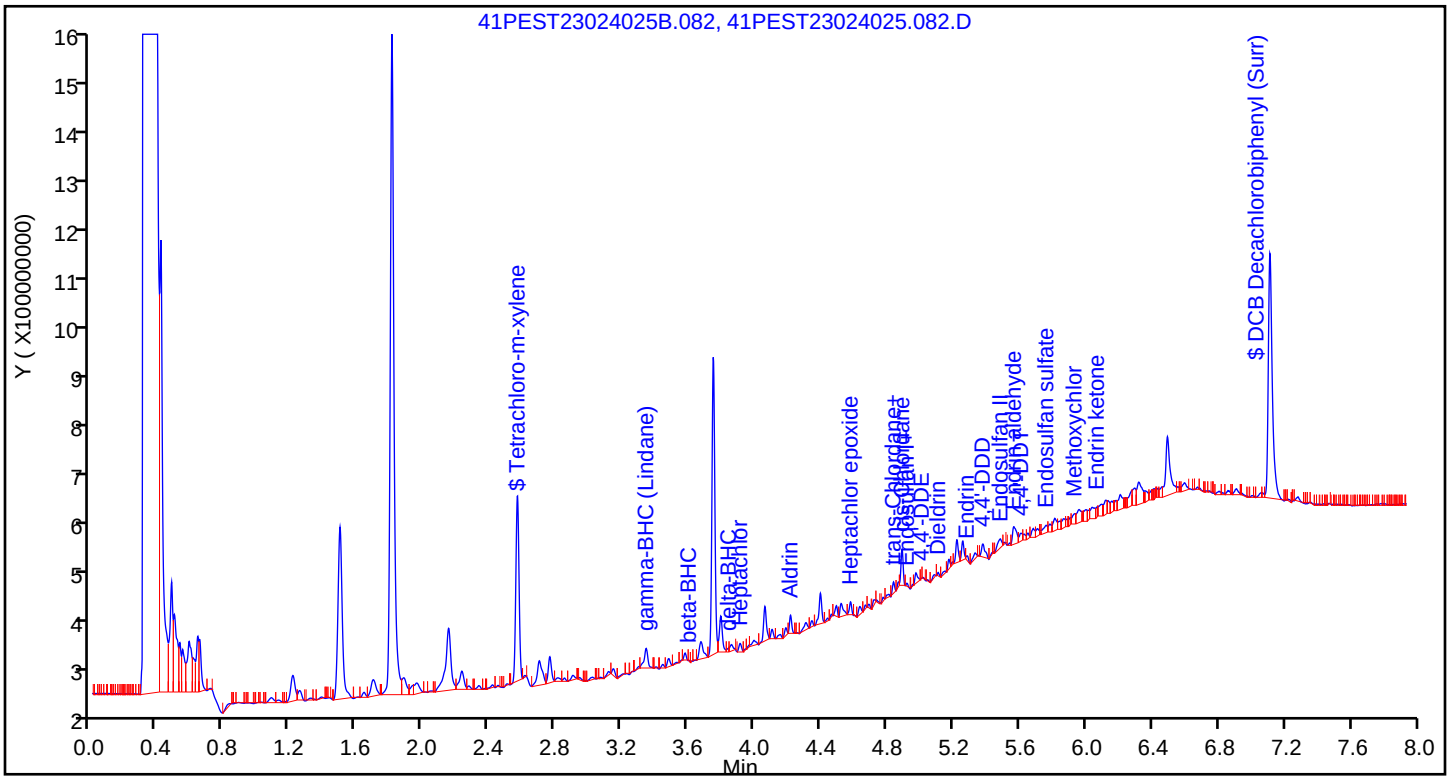
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.082.D				
Lims ID:	410-116613-B-10-A				
Client ID:	MW-2D-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:45:00	ALS Bottle#:	0	Worklist Smp#:	82
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-10-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:33:16		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.5	69.77
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	7.34	49.21

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.2	67.50
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	7.65	51.33

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: DUP-UF-20230222 Lab Sample ID: 410-116613-11

Matrix: Water Lab File ID: 41PEST23024025.083.D

Analysis Method: 8081B Date Collected: 02/22/2023 00:00

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 249.1(mL) Date Analyzed: 03/02/2023 19:59

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.10	0.010
319-84-6	alpha-BHC	ND		0.10	0.015
5103-71-9	alpha-Chlordane	0.022	J	0.10	0.015
60-57-1	Dieldrin	0.64		0.15	0.027
959-98-8	Endosulfan I	ND		0.10	0.022
33213-65-9	Endosulfan II	ND		0.20	0.075
1031-07-8	Endosulfan sulfate	ND		0.15	0.029
72-20-8	Endrin	ND		0.15	0.041
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)	ND		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
50-29-3	p,p'-DDT	ND		0.15	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	66		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	65		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.083.D
Lims ID: 410-116613-B-11-A
Client ID: DUP-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:59:00 ALS Bottle#: 0 Worklist Smp#: 83
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-11-A df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:33:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	123498332	H 1.96	
2	2.572	2.573	-0.001	63331416	H 1.81	
					RPD = 7.93	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.828	2.830	-0.002	4342601	H 0.0486	
2	3.327	3.335	-0.008	1071126	H 0.0115	
					RPD = 123.70	
5 beta-BHC						
1	3.060	3.082	-0.022	30053476	H 0.7278	
2	3.600	3.597	0.003	253578	H 0.007317	
					RPD = 196.02	
7 delta-BHC						
1	3.357	3.370	-0.013	34291778	H 0.3315	
2	3.848	3.845	0.003	261949	H 0.002423	
					RPD = 197.10	
8 Heptachlor						
1	3.193	3.197	-0.004	617695	H 0.007906	
2	3.913	3.918	-0.005	35154172	H 0.3290	
					RPD = 190.61	
9 Aldrin						
1	3.513	3.505	0.008	583372	H 0.006027	
2	4.220	4.212	0.008	9321869	H 0.0837	
					RPD = 173.13	
11 Heptachlor epoxide						
1	4.013	4.010	0.003	19033513	H 0.2054	
2	4.580	4.583	-0.003	4355989	H 0.0444	
					RPD = 128.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.208	4.213	-0.005	16013274H	0.1636	
2	4.840	4.842	-0.002	24508335H	0.2549	
					RPD = 43.61	
14 cis-Chlordane						
1	4.292	4.295	-0.003	21836052H	0.2215	
2	4.878	4.882	-0.004	16884156H	0.1867	
					RPD = 17.05	
15 Endosulfan I						
1	4.340	4.340	0.000	8126174H	0.0877	
2	4.915	4.913	0.002	3842061H	0.0421	
					RPD = 70.39	
16 4,4'-DDE						
1	4.470	4.468	0.002	1104083H	0.0107	
2	4.995	4.997	-0.002	654389H	0.006428	
					RPD = 49.84	
18 Dieldrin						
1	4.575	4.578	-0.003	665000920H	6.41	
2	5.112	5.113	-0.001	655019528H	6.10	
					RPD = 4.95	
19 Endrin						
1	4.827	4.830	-0.003	21870973H	0.2361	
2	5.302	5.290	0.012	35699786H	0.3860	
					RPD = 48.18	
22 4,4'-DDD						
1	4.942	4.927	0.015	48288866H	0.5646	
2	5.387	5.387	0.000	1891573H	0.0255	
					RPD = 182.70	
23 Endosulfan II						
1	5.037	5.038	-0.001	4591656H	0.0501	
2	5.478	5.483	-0.005	316922H	0.003736	
					RPD = 172.23	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.212	5.212	0.000	428147H	0.005626	
2	5.558	5.565	-0.007	133594H	0.002066	
					RPD = 92.57	
26 4,4'-DDT						
1	5.135	5.138	-0.003	13068675H	0.2232	
2	5.612	5.613	-0.001	7527307H	0.1164	
					RPD = 62.89	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.345	5.362	-0.017	11094672H	0.1300	
2	5.750	5.768	-0.018	6326825H	0.0815	
					RPD = 45.79	
28 Methoxychlor						
1	5.630	5.633	-0.003	890608H	0.0297	
2	5.923	5.922	0.001	309475H	0.008645	
					RPD = 109.77	
29 Endrin ketone						
1	5.795	5.798	-0.003	3728598H	0.0400	
2	6.072	6.073	-0.001	3692983H	0.0465	
					RPD = 14.91	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.542	6.545	-0.003	184549078H	1.98	
2	7.115	7.118	-0.003	112811789H	1.83	M
					RPD = 7.89	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:51 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.083.D

Injection Date: 02-Mar-2023 19:59:00 Instrument ID: 9147

Lims ID: 410-116613-B-11-A Lab Sample ID: 410-116613-11

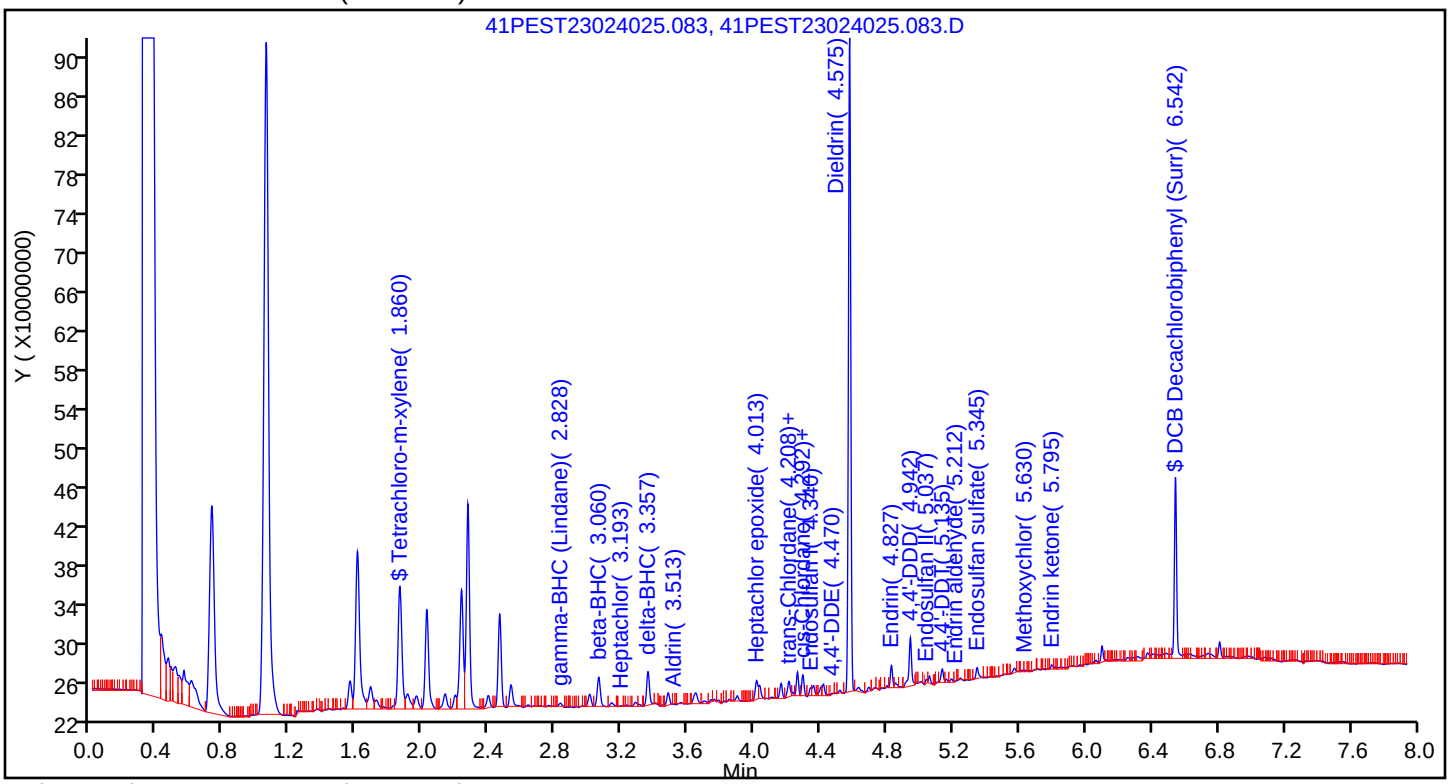
Client ID: DUP-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 83

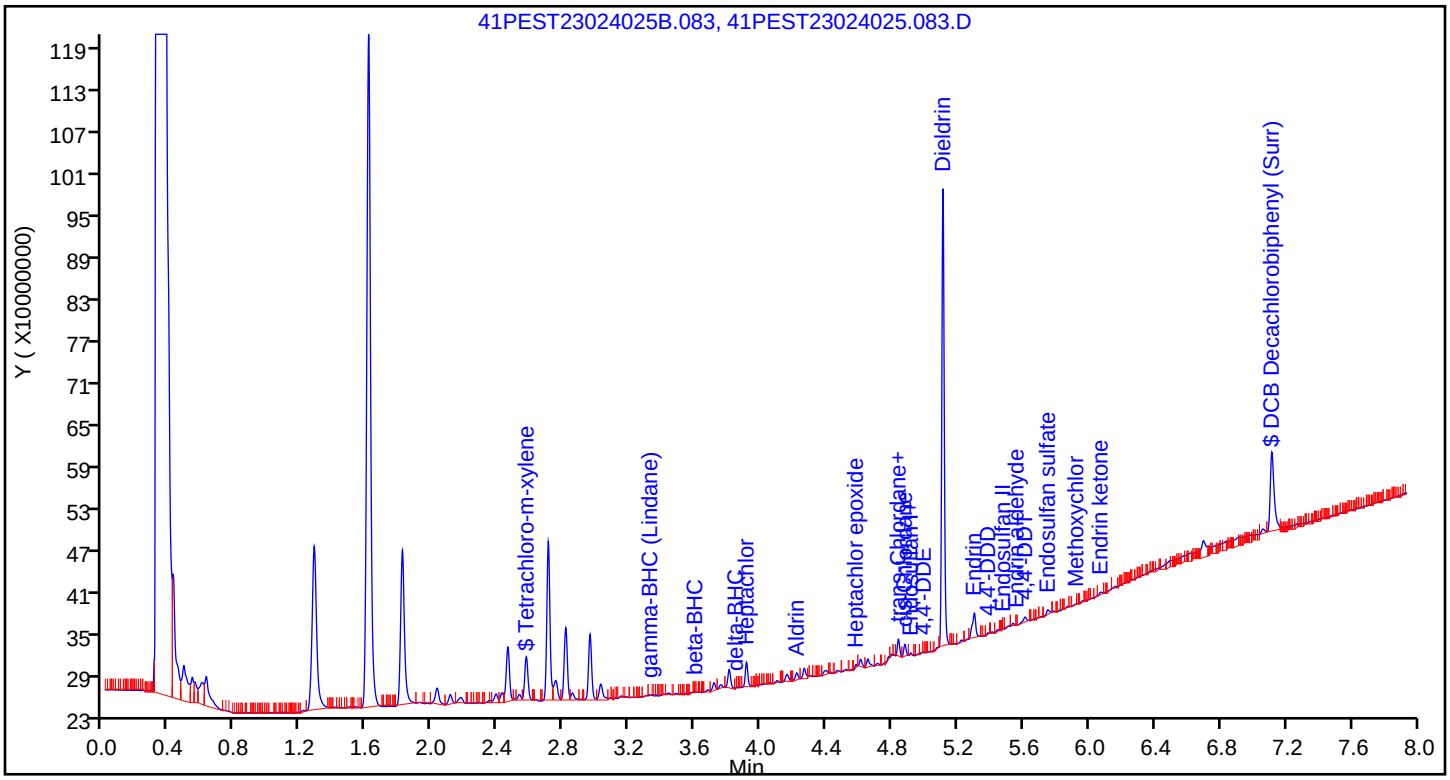
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.083.D				
Lims ID:	410-116613-B-11-A				
Client ID:	DUP-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:59:00	ALS Bottle#:	0	Worklist Smp#:	83
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-11-A df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:33:05		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.96	64.81
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	1.98	66.25

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.81	59.87
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	1.83	61.22

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: DUP-UF-20230222 Lab Sample ID: 410-116613-11

Matrix: Water Lab File ID: 41PEST23024025.083.D

Analysis Method: 8081B Date Collected: 02/22/2023 00:00

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 249.1(mL) Date Analyzed: 03/02/2023 19:59

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND		0.15	0.055
319-86-8	delta-BHC	ND		0.10	0.017
1024-57-3	Heptachlor epoxide	ND		0.10	0.012
72-54-8	p,p'-DDD	ND		0.15	0.025

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	61		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	60		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.083.D
Lims ID: 410-116613-B-11-A
Client ID: DUP-UF-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 19:59:00 ALS Bottle#: 0 Worklist Smp#: 83
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-11-A df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:33:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	123498332H	1.96	
2	2.572	2.573	-0.001	63331416H	1.81	
					RPD = 7.93	
2 alpha-BHC						
1		2.457			ND	
2		2.993				
4 gamma-BHC (Lindane)						
1	2.828	2.830	-0.002	4342601H	0.0486	
2	3.327	3.335	-0.008	1071126H	0.0115	
					RPD = 123.70	
5 beta-BHC						
1	3.060	3.082	-0.022	30053476H	0.7278	
2	3.600	3.597	0.003	253578H	0.007317	
					RPD = 196.02	
7 delta-BHC						
1	3.357	3.370	-0.013	34291778H	0.3315	
2	3.848	3.845	0.003	261949H	0.002423	
					RPD = 197.10	
8 Heptachlor						
1	3.193	3.197	-0.004	617695H	0.007906	
2	3.913	3.918	-0.005	35154172H	0.3290	
					RPD = 190.61	
9 Aldrin						
1	3.513	3.505	0.008	583372H	0.006027	
2	4.220	4.212	0.008	9321869H	0.0837	
					RPD = 173.13	
11 Heptachlor epoxide						
1	4.013	4.010	0.003	19033513H	0.2054	
2	4.580	4.583	-0.003	4355989H	0.0444	
					RPD = 128.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.208	4.213	-0.005	16013274H	0.1636	
2	4.840	4.842	-0.002	24508335H	0.2549	
					RPD = 43.61	
14 cis-Chlordane						
1	4.292	4.295	-0.003	21836052H	0.2215	
2	4.878	4.882	-0.004	16884156H	0.1867	
					RPD = 17.05	
15 Endosulfan I						
1	4.340	4.340	0.000	8126174H	0.0877	
2	4.915	4.913	0.002	3842061H	0.0421	
					RPD = 70.39	
16 4,4'-DDE						
1	4.470	4.468	0.002	1104083H	0.0107	
2	4.995	4.997	-0.002	654389H	0.006428	
					RPD = 49.84	
18 Dieldrin						
1	4.575	4.578	-0.003	665000920H	6.41	
2	5.112	5.113	-0.001	655019528H	6.10	
					RPD = 4.95	
19 Endrin						
1	4.827	4.830	-0.003	21870973H	0.2361	
2	5.302	5.290	0.012	35699786H	0.3860	
					RPD = 48.18	
22 4,4'-DDD						
1	4.942	4.927	0.015	48288866H	0.5646	
2	5.387	5.387	0.000	1891573H	0.0255	
					RPD = 182.70	
23 Endosulfan II						
1	5.037	5.038	-0.001	4591656H	0.0501	
2	5.478	5.483	-0.005	316922H	0.003736	
					RPD = 172.23	
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.212	5.212	0.000	428147H	0.005626	
2	5.558	5.565	-0.007	133594H	0.002066	
					RPD = 92.57	
26 4,4'-DDT						
1	5.135	5.138	-0.003	13068675H	0.2232	
2	5.612	5.613	-0.001	7527307H	0.1164	
					RPD = 62.89	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.345	5.362	-0.017	11094672H	0.1300	
2	5.750	5.768	-0.018	6326825H	0.0815	
					RPD = 45.79	
28 Methoxychlor						
1	5.630	5.633	-0.003	890608H	0.0297	
2	5.923	5.922	0.001	309475H	0.008645	
					RPD = 109.77	
29 Endrin ketone						
1	5.795	5.798	-0.003	3728598H	0.0400	
2	6.072	6.073	-0.001	3692983H	0.0465	
					RPD = 14.91	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.542	6.545	-0.003	184549078H	1.98	
2	7.115	7.118	-0.003	112811789H	1.83	M
					RPD = 7.89	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:52 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.083.D

Injection Date: 02-Mar-2023 19:59:00 Instrument ID: 9147

Lims ID: 410-116613-B-11-A Lab Sample ID: 410-116613-11

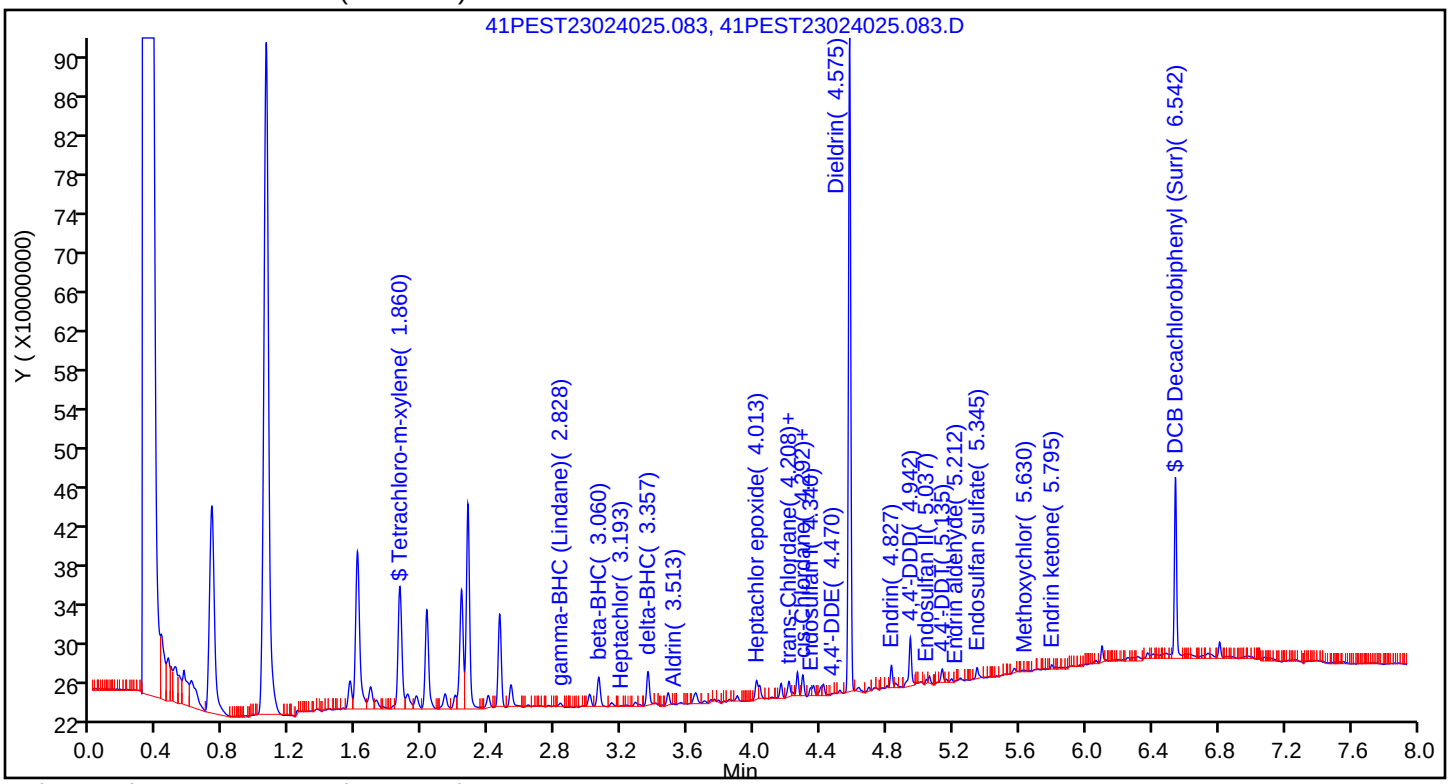
Client ID: DUP-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 83

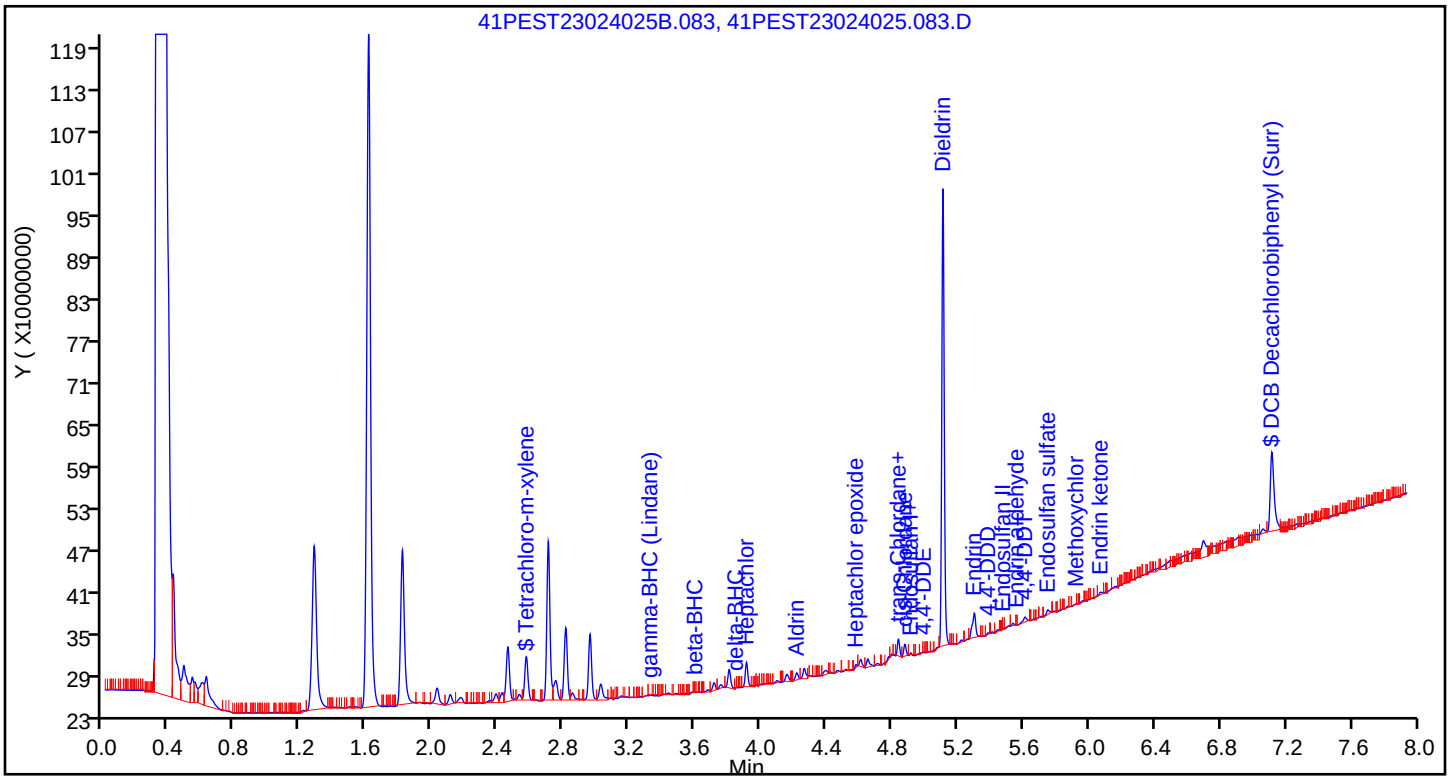
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.083.D				
Lims ID:	410-116613-B-11-A				
Client ID:	DUP-UF-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 19:59:00	ALS Bottle#:	0	Worklist Smp#:	83
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-11-A df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:33:05		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.96	64.81
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	1.98	66.25

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.81	59.87
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	1.83	61.22

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

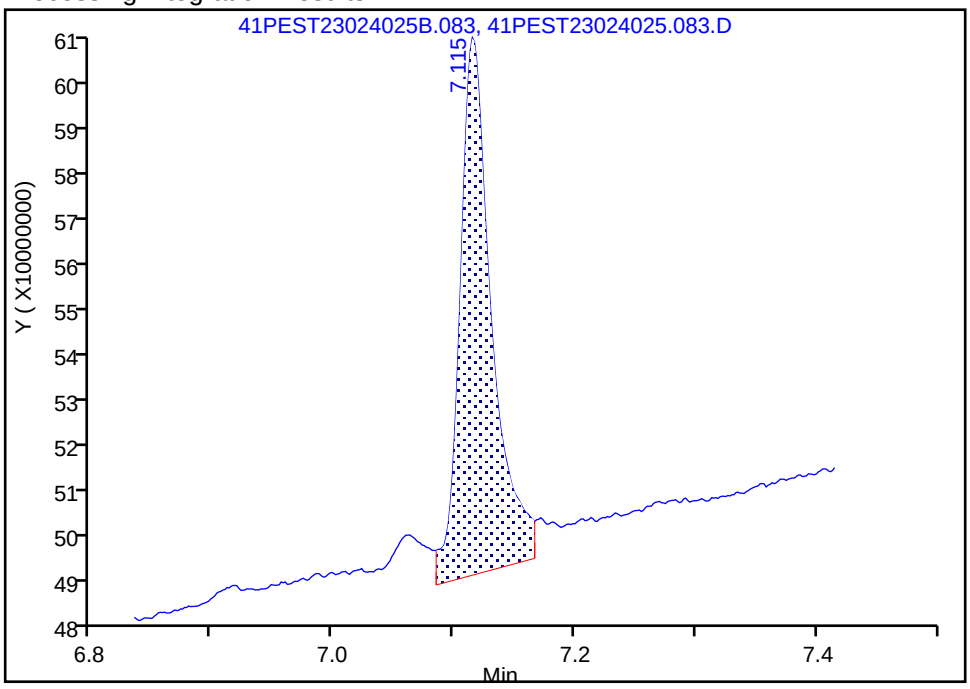
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.083.D				
Injection Date:	02-Mar-2023 19:59:00	Instrument ID:	9147		
Lims ID:	410-116613-B-11-A	Lab Sample ID:	410-116613-11		
Client ID:	DUP-UF-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	83
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	2BECDB		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 1

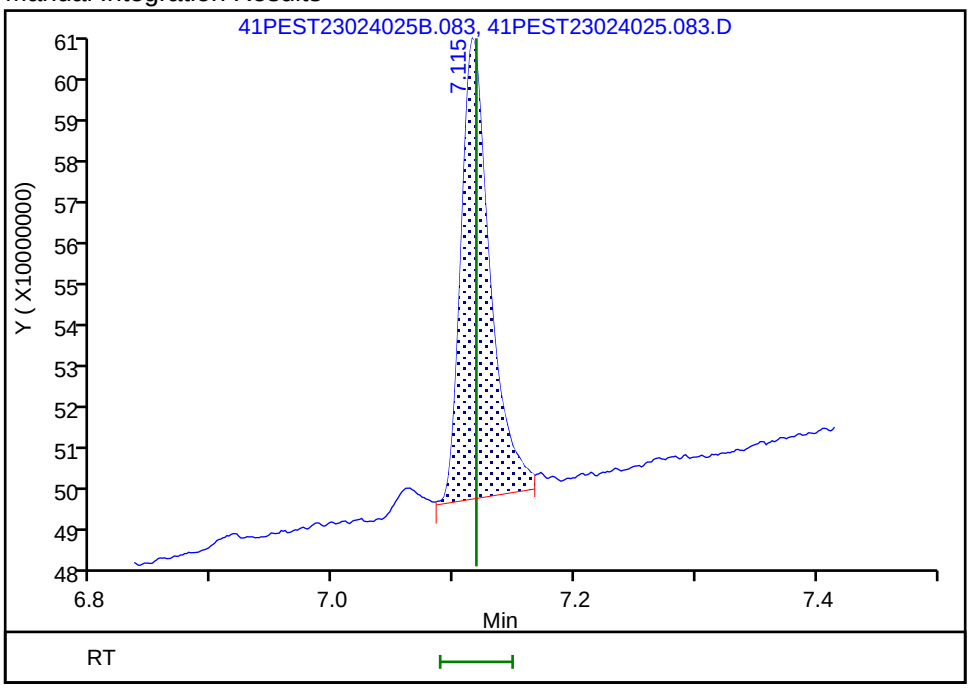
Processing Integration Results

RT: 7.12
Height: 119385974
Amount: 1.931952
Amount Units: ug/l



Manual Integration Results

RT: 7.12
Height: 112811789
Amount: 1.825566
Amount Units: ug/l



Reviewer: UAMZ, 03-Mar-2023 06:32:55

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: DUP-F-20230222 Lab Sample ID: 410-116613-12

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.084.D

Analysis Method: 8081B Date Collected: 02/22/2023 00:00

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 247(mL) Date Analyzed: 03/02/2023 20:14

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 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
319-85-7	beta-BHC	ND		0.030	0.011
319-86-8	delta-BHC	ND		0.020	0.0034
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		0.040	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
58-89-9	gamma-BHC (Lindane)	ND		0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.040	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	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	ND		0.030	0.0051
72-55-9	p,p'-DDE	ND		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)	64		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	75		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.084.D
Lims ID: 410-116613-B-12-A
Client ID: DUP-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 20:14:00 ALS Bottle#: 0 Worklist Smp#: 84
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-12-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:32:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	716481004	H 11.3	
2	2.568	2.573	-0.005	380391409	H 10.8	
					RPD = 4.46	
2 alpha-BHC						
1	2.463	2.457	0.006	2513741	H 0.0263	
2	2.973	2.993	-0.020	632390	H 0.006730	
					RPD = 118.61	
4 gamma-BHC (Lindane)						
1	2.833	2.830	0.003	6277399	H 0.0703	
2	3.328	3.335	-0.007	93573	H 0.001001	
					RPD = 194.38	
5 beta-BHC						
1	3.077	3.082	-0.005	165544	H 0.004009	
2	3.582	3.597	-0.015	2322600	H 0.0670	
					RPD = 177.42	
7 delta-BHC						
1	3.377	3.370	0.007	4757581	H 0.0460	
2	3.860	3.845	0.015	3613009	H 0.0334	
					RPD = 31.65	
8 Heptachlor						
1	3.188	3.197	-0.009	4464216	H 0.0571	
2	3.920	3.918	0.002	2620243	H 0.0245	
					RPD = 79.89	
9 Aldrin						
1	3.512	3.505	0.007	1527464	H 0.0158	
2	4.215	4.212	0.003	2867487	H 0.0257	
					RPD = 47.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	4.013	4.010	0.003	2350291	0.0254	H
2	4.580	4.583	-0.003	1155062	0.0118	H
					RPD = 73.11	
13 trans-Chlordane						
1	4.218	4.213	0.005	433018	0.004424	H
2	4.838	4.842	-0.004	5668162	0.0589	H
					RPD = 172.07	
14 cis-Chlordane						
1	4.300	4.295	0.005	1216518	0.0123	H
2	4.892	4.882	0.010	4945556	0.0547	H
					RPD = 126.36	
15 Endosulfan I						
1	4.338	4.340	-0.002	4583287	0.0495	H
2	4.923	4.913	0.010	3495307	0.0383	H
					RPD = 25.59	
16 4,4'-DDE						
1	4.480	4.468	0.012	2565715	0.0249	H
2	4.992	4.997	-0.005	3574117	0.0351	H
					RPD = 34.20	
18 Dieldrin						
1	4.567	4.578	-0.011	12882396	0.1241	H
2	5.110	5.113	-0.003	1505528	0.0140	H
					RPD = 159.42	
19 Endrin						
1	4.828	4.830	-0.002	5340663	0.0577	H
2	5.288	5.290	-0.002	3988452	0.0431	H
					RPD = 28.85	
22 4,4'-DDD						
1	4.913	4.927	-0.014	3154536	0.0369	H
2	5.382	5.387	-0.005	1375791	0.0186	H
					RPD = 66.06	
23 Endosulfan II						
1	5.033	5.038	-0.005	1628676	0.0178	H
2	5.472	5.483	-0.011	1156628	0.0136	H
					RPD = 26.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.212	5.212	0.000	279888H	0.003678	
2	5.543	5.565	-0.022	1020262H	0.0158	
					RPD = 124.38	
26 4,4'-DDT						
1	5.133	5.138	-0.005	9610316H	0.1642	
2	5.612	5.613	-0.001	2134262H	0.0330	
					RPD = 133.03	
27 Endosulfan sulfate						
1	5.368	5.362	0.006	4640384H	0.0544	
2	5.767	5.768	-0.001	3792336H	0.0489	
					RPD = 10.62	
28 Methoxychlor						
1	5.633	5.633	0.000	2880168H	0.0960	
2	5.925	5.922	0.003	483243H	0.0135	
					RPD = 150.68	
29 Endrin ketone						
1	5.797	5.798	-0.001	5225249H	0.0561	
2	6.077	6.073	0.004	3338656H	0.0420	
					RPD = 28.70	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.542	6.545	-0.003	893512322H	9.56	
2	7.112	7.118	-0.006	585527912H	9.48	
					RPD = 0.94	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:53 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.084.D

Injection Date: 02-Mar-2023 20:14:00 Instrument ID: 9147

Lims ID: 410-116613-B-12-A Lab Sample ID: 410-116613-12

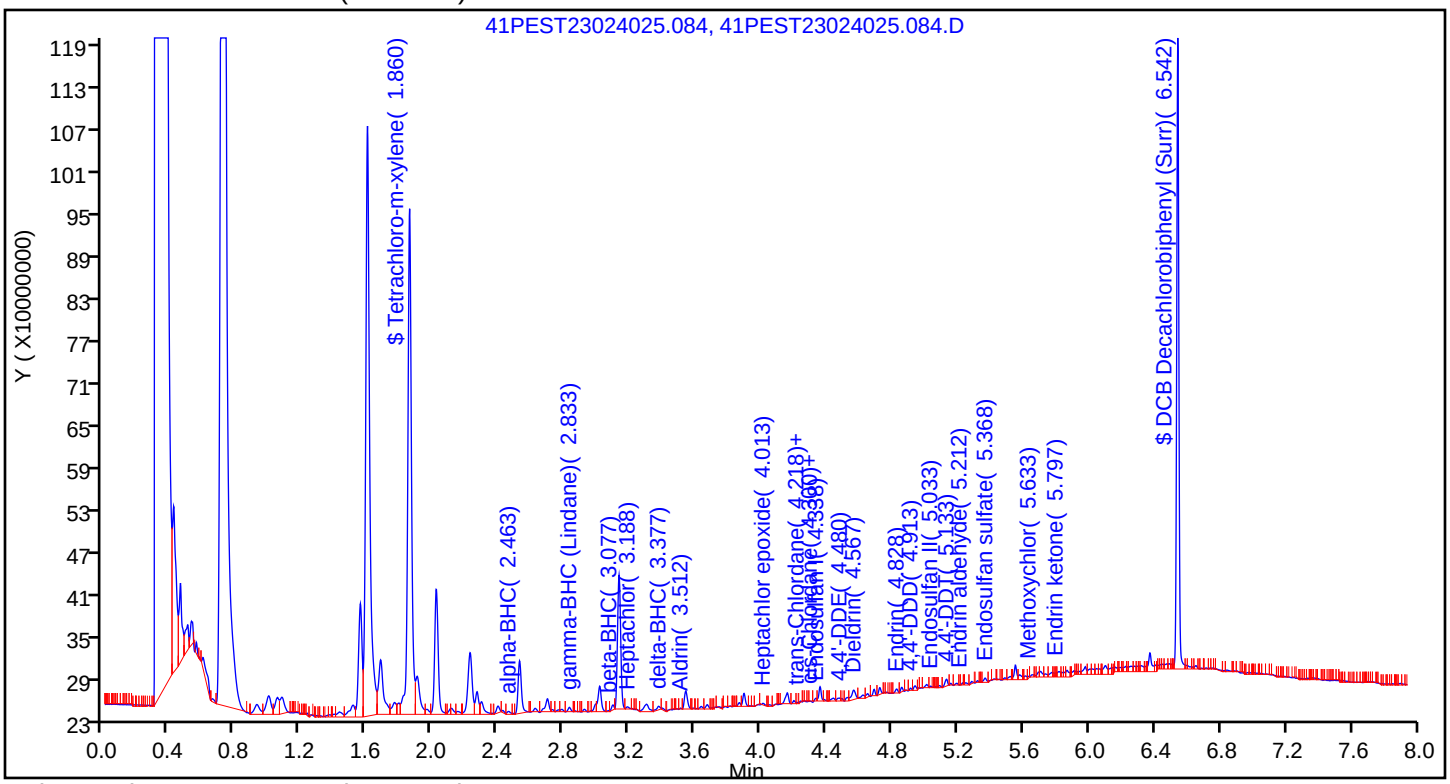
Client ID: DUP-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 84

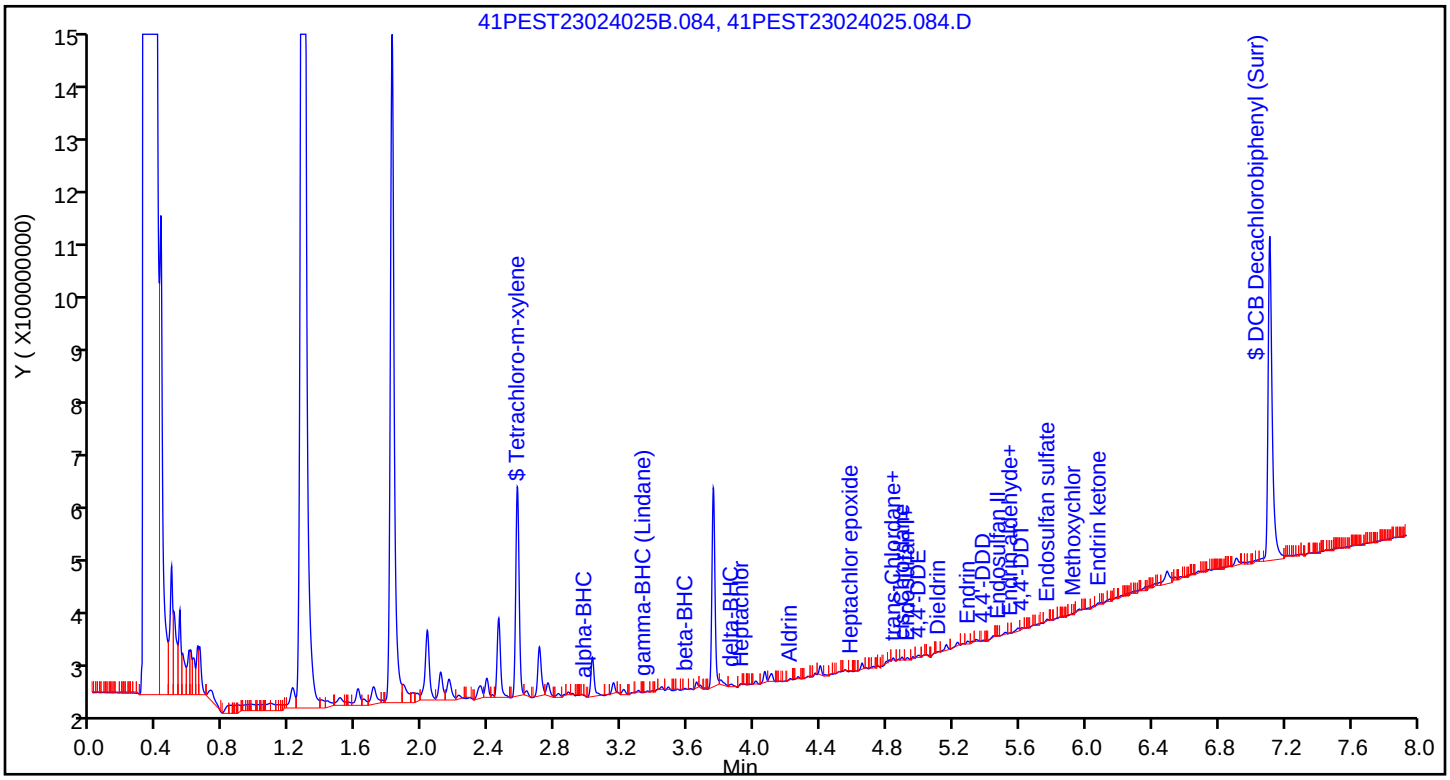
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.084.D				
Lims ID:	410-116613-B-12-A				
Client ID:	DUP-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 20:14:00	ALS Bottle#:	0	Worklist Smp#:	84
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-12-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:32:44		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	11.3	75.21
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.56	64.15

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.8	71.92
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.48	63.55

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: DUP-F-20230222 Lab Sample ID: 410-116613-12

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.084.D

Analysis Method: 8081B Date Collected: 02/22/2023 00:00

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 247(mL) Date Analyzed: 03/02/2023 20:14

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	64		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	72		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.084.D
Lims ID: 410-116613-B-12-A
Client ID: DUP-F-20230222
Sample Type: Client
Inject. Date: 02-Mar-2023 20:14:00 ALS Bottle#: 0 Worklist Smp#: 84
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-116613-B-12-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:34:35 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:32:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.860	1.862	-0.002	716481004	11.3	H
2	2.568	2.573	-0.005	380391409	10.8	H
					RPD = 4.46	
2 alpha-BHC						
1	2.463	2.457	0.006	2513741	0.0263	H
2	2.973	2.993	-0.020	632390	0.006730	H
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					RPD = 177.42	
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2	3.860	3.845	0.015	3613009	0.0334	H
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1	3.188	3.197	-0.009	4464216	0.0571	H
2	3.920	3.918	0.002	2620243	0.0245	H
					RPD = 79.89	
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2	4.215	4.212	0.003	2867487	0.0257	H
					RPD = 47.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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2	4.580	4.583	-0.003	1155062	0.0118	H
					RPD = 73.11	
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1	4.218	4.213	0.005	433018	0.004424	H
2	4.838	4.842	-0.004	5668162	0.0589	H
					RPD = 172.07	
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1	4.300	4.295	0.005	1216518	0.0123	H
2	4.892	4.882	0.010	4945556	0.0547	H
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1	4.338	4.340	-0.002	4583287	0.0495	H
2	4.923	4.913	0.010	3495307	0.0383	H
					RPD = 25.59	
16 4,4'-DDE						
1	4.480	4.468	0.012	2565715	0.0249	H
2	4.992	4.997	-0.005	3574117	0.0351	H
					RPD = 34.20	
18 Dieldrin						
1	4.567	4.578	-0.011	12882396	0.1241	H
2	5.110	5.113	-0.003	1505528	0.0140	H
					RPD = 159.42	
19 Endrin						
1	4.828	4.830	-0.002	5340663	0.0577	H
2	5.288	5.290	-0.002	3988452	0.0431	H
					RPD = 28.85	
22 4,4'-DDD						
1	4.913	4.927	-0.014	3154536	0.0369	H
2	5.382	5.387	-0.005	1375791	0.0186	H
					RPD = 66.06	
23 Endosulfan II						
1	5.033	5.038	-0.005	1628676	0.0178	H
2	5.472	5.483	-0.011	1156628	0.0136	H
					RPD = 26.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
21 Toxaphene						U
1		5.060			ND	
1		5.277				
1		5.657				
1		5.902				
1		4.857				
2		5.537				
2		5.715				
2		5.850				
2		6.097				
2		6.350				
25 Endrin aldehyde						
1	5.212	5.212	0.000	279888H	0.003678	
2	5.543	5.565	-0.022	1020262H	0.0158	
					RPD = 124.38	
26 4,4'-DDT						
1	5.133	5.138	-0.005	9610316H	0.1642	
2	5.612	5.613	-0.001	2134262H	0.0330	
					RPD = 133.03	
27 Endosulfan sulfate						
1	5.368	5.362	0.006	4640384H	0.0544	
2	5.767	5.768	-0.001	3792336H	0.0489	
					RPD = 10.62	
28 Methoxychlor						
1	5.633	5.633	0.000	2880168H	0.0960	
2	5.925	5.922	0.003	483243H	0.0135	
					RPD = 150.68	
29 Endrin ketone						
1	5.797	5.798	-0.001	5225249H	0.0561	
2	6.077	6.073	0.004	3338656H	0.0420	
					RPD = 28.70	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.542	6.545	-0.003	893512322H	9.56	
2	7.112	7.118	-0.006	585527912H	9.48	
					RPD = 0.94	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:34:53 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.084.D

Injection Date: 02-Mar-2023 20:14:00 Instrument ID: 9147

Lims ID: 410-116613-B-12-A Lab Sample ID: 410-116613-12

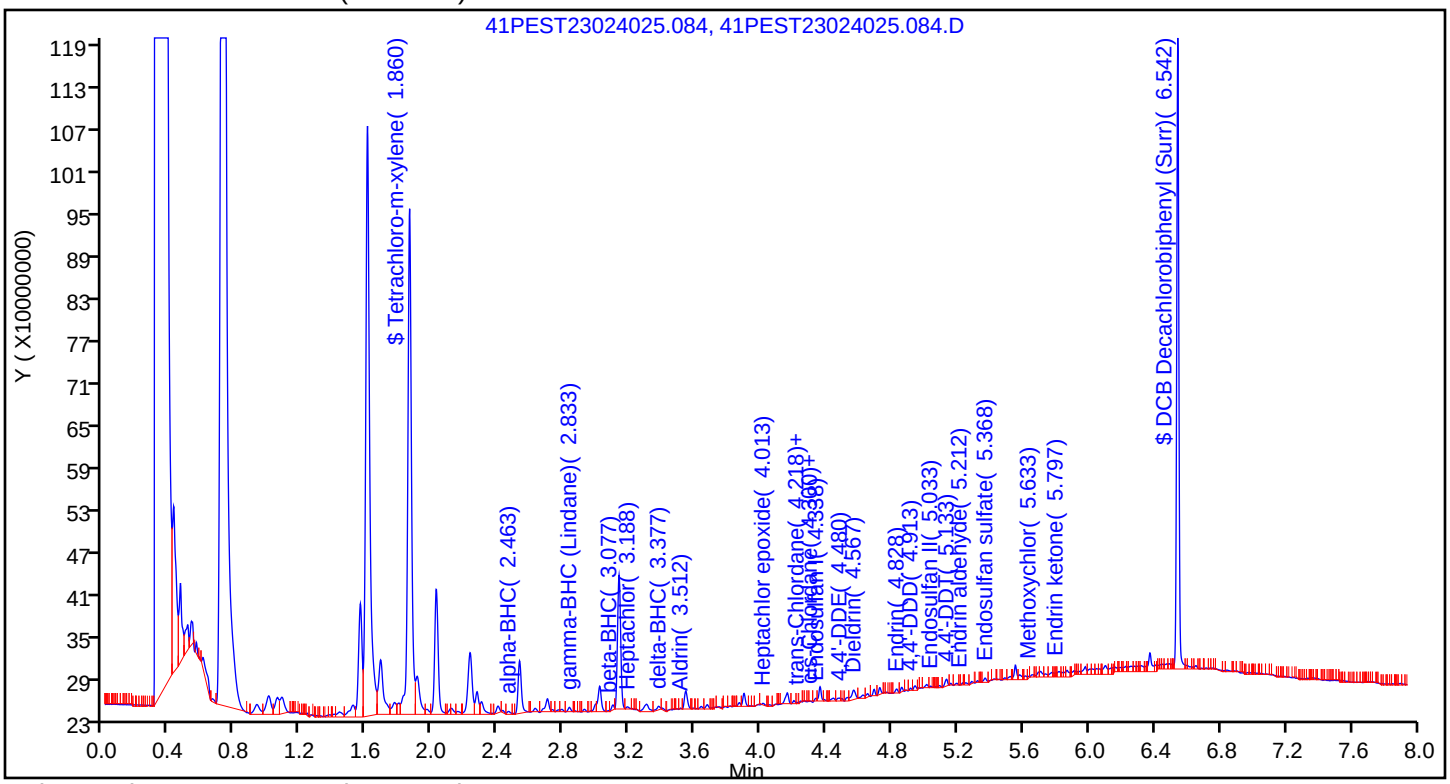
Client ID: DUP-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 84

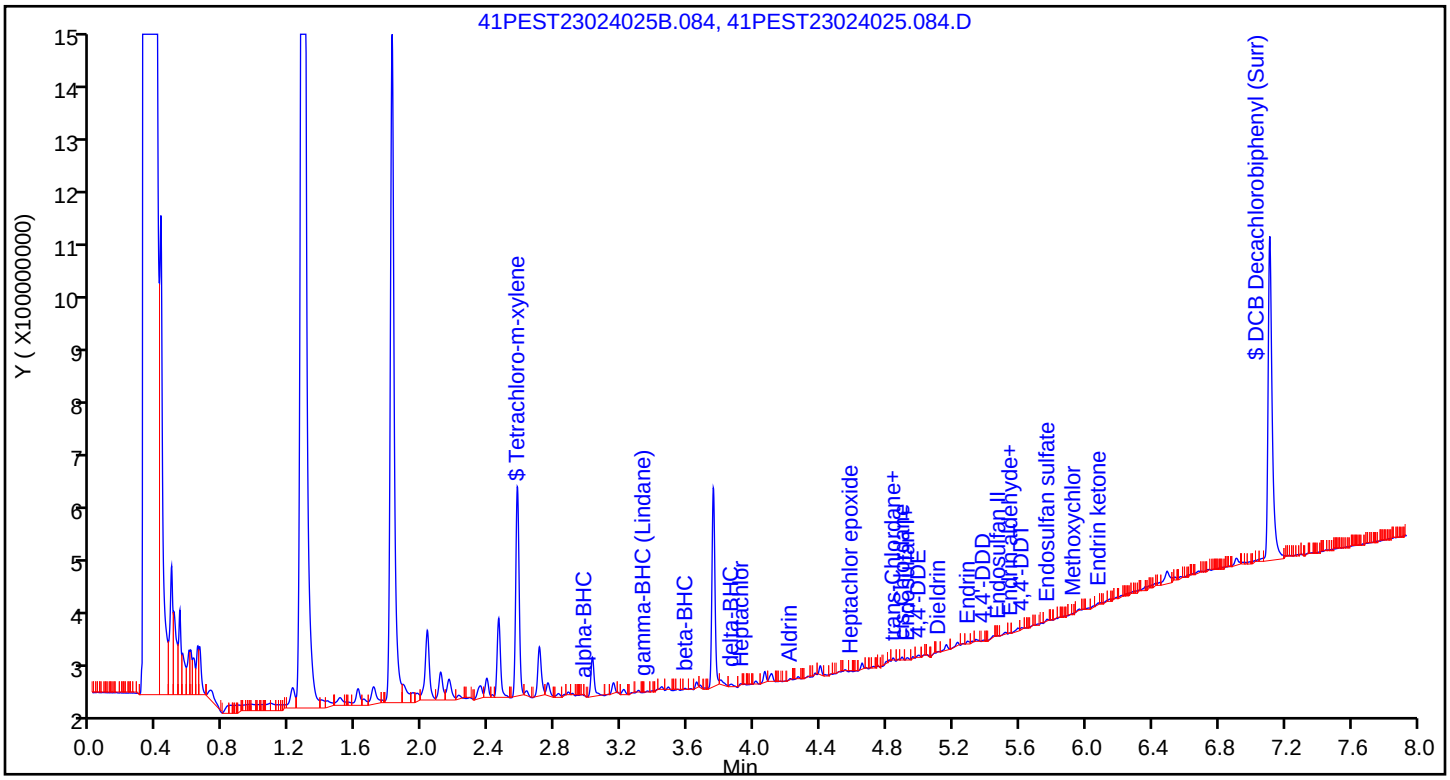
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.084.D				
Lims ID:	410-116613-B-12-A				
Client ID:	DUP-F-20230222				
Sample Type:	Client				
Inject. Date:	02-Mar-2023 20:14:00	ALS Bottle#:	0	Worklist Smp#:	84
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-116613-B-12-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:34:35	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:32:44		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	11.3	75.21
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.56	64.15

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.8	71.92
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	9.48	63.55

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46652

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/7	41PEST23024001.007.D
Level 2	IC 410-338162/8	41PEST23024001.008.D
Level 3	IC 410-338162/9	41PEST23024001.009.D
Level 4	ICRT 410-338162/10	41PEST23024001.010.D
Level 5	IC 410-338162/11	41PEST23024001.011.D
Level 6	IC 410-338162/12	41PEST23024001.012.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	2.473	2.473	2.475	2.472	2.477	2.473					2.442 - 2.502	2.474
gamma-BHC (Lindane)	2.848	2.847	2.850	2.848	2.852	2.848					2.818 - 2.878	2.849
beta-BHC	3.100	3.098	3.100	3.098	3.102	3.098					3.068 - 3.128	3.099
Heptachlor	3.217	3.215	3.217	3.215	3.218	3.215					3.185 - 3.245	3.216
delta-BHC	3.388	3.387	3.388	3.387	3.390	3.387					3.357 - 3.417	3.388
Aldrin	3.523	3.523	3.525	3.523	3.527	3.523					3.493 - 3.553	3.524
Heptachlor epoxide	4.028	4.027	4.028	4.027	4.030	4.027					3.997 - 4.057	4.028
gamma-Chlordane	4.228	4.228	4.230	4.228	4.232	4.230					4.198 - 4.258	4.229
alpha-Chlordane	4.312	4.310	4.313	4.310	4.313	4.312					4.280 - 4.340	4.312
Endosulfan I	4.357	4.355	4.358	4.355	4.358	4.357					4.325 - 4.385	4.357
p,p'-DDE	4.483	4.483	4.485	4.482	4.487	4.483					4.452 - 4.512	4.484
Dieldrin	4.593	4.592	4.595	4.592	4.595	4.593					4.562 - 4.622	4.593
Endrin	4.845	4.843	4.845	4.843	4.847	4.845					4.813 - 4.873	4.845
p,p'-DDD	4.940	4.940	4.942	4.938	4.942	4.940					4.908 - 4.968	4.940
Endosulfan II	5.052	5.050	5.052	5.050	5.053	5.052					5.020 - 5.080	5.052
p,p'-DDT	5.150	5.148	5.152	5.148	5.152	5.150					5.118 - 5.178	5.150
Endrin aldehyde	5.223	5.222	5.225	5.222	5.227	5.223					5.192 - 5.252	5.224
Endosulfan sulfate	5.373	5.372	5.373	5.372	5.375	5.373					5.342 - 5.402	5.373
Methoxychlor	5.643	5.643	5.645	5.642	5.645	5.643					5.612 - 5.672	5.644
Endrin ketone	5.810	5.808	5.812	5.808	5.812	5.810					5.778 - 5.838	5.810
Tetrachloro-m-xylene (Surr)	1.878	1.877	1.880	1.877	1.880	1.878					1.847 - 1.907	1.878
DCB Decachlorobiphenyl (Surr)	6.555	6.553	6.557	6.552	6.557	6.553					6.522 - 6.582	6.555

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46652

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/7	41PEST23024001.007.D
Level 2	IC 410-338162/8	41PEST23024001.008.D
Level 3	IC 410-338162/9	41PEST23024001.009.D
Level 4	ICRT 410-338162/10	41PEST23024001.010.D
Level 5	IC 410-338162/11	41PEST23024001.011.D
Level 6	IC 410-338162/12	41PEST23024001.012.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	94353153 84437773	92713182 82143722	78953691	75233469	Ave		84639165.1				8.9		20.0			
gamma-BHC (Lindane)	90517843 72173321	87092534 73271577	71881675	69745999	Ave		77447158.4				11.5		20.0			
beta-BHC	43586304 31769633	44693563 30093134	33909271	30176277	Ave		35704697.1				18.7		20.0			
Heptachlor	82699425 64107828	84593661 62001911	64630115	60380703	Ave		69735607.1				15.6		20.0			
delta-BHC	99256202 85315047	97906118 83875406	82187986	80118705	Ave		88109910.7				9.4		20.0			
Aldrin	97529238 80718212	96333102 80577760	80197270	74194669	Ave		84925041.8				11.3		20.0			
Heptachlor epoxide	93335848 73046416	91004622 72950184	72052128	68796297	Ave		78530915.9				13.6		20.0			
gamma-Chlordane	100900690 79801782	98235847 79333580	78764299	74664228	Ave		85283404.3				13.2		20.0			
alpha-Chlordane	102827686 80802326	103353825 79304329	78777029	75047808	Ave		86685500.6				14.8		20.0			
Endosulfan I	91776083 72900412	89085637 69420382	70705300	65744603	Ave		76605402.8				14.3		20.0			
p,p'-DDE	95771506 83932125	92502473 83426779	82046717	74980400	Ave		85443333.3				8.8		20.0			
Dieldrin	94291921 80802476	91484013 81248835	75686959	73399002	Ave		82818867.6				10.1		20.0			
Endrin	85096074 72640411	83176630 70783846	69488730	64588547	Ave		74295706.1				10.9		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46652

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
p,p'-DDD	74528027 63916244	75115839 64998495	62637201	58279857	Ave		66579277.4				10.2		20.0			
Endosulfan II	87479864 72012477	85636230 73047033	69385012	66847443	Ave		75734676.4				11.5		20.0			
p,p'-DDT	48195962 47494176	47888721 49713532	41379329	41625854	Ave		46049595.6				7.8		20.0			
Endrin aldehyde	74337028 58339057	72052445 58178876	56993753	54281565	Ave		62363787.5				13.7		20.0			
Endosulfan sulfate	83071873 65810108	81810526 66344326	66822242	62413935	Ave		71045501.6				12.6		20.0			
Methoxychlor	26020461 25673178	25413119 26412383	23683333	23096650	Ave		25049854.2				5.4		20.0			
Endrin ketone	85623975 71338449	82958564 70214546	67905280	66721576	Ave		74127065.2				10.9		20.0			
Tetrachloro-m-xylene (Surr)	69733162 58656324	67787927 58240744	56621007	55095356	Ave		61022419.9				10.1		20.0			
DCB Decachlorobiphenyl (Surr)	97904415 76471960	90975725 77208736	74313451	72325442	Ave		81533288.2				12.7		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46652

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/7	41PEST23024001.007.D
Level 2	IC 410-338162/8	41PEST23024001.008.D
Level 3	IC 410-338162/9	41PEST23024001.009.D
Level 4	ICRT 410-338162/10	41PEST23024001.010.D
Level 5	IC 410-338162/11	41PEST23024001.011.D
Level 6	IC 410-338162/12	41PEST23024001.012.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
alpha-BHC	Ave	46799164 1642874448	92713182	394768455	752334690	1283454150	0.496 20.0	1.00	5.00	10.0	15.2
gamma-BHC (Lindane)	Ave	45458061 1483749441	88181191	363900980	706178241	1110747410	0.502 20.3	1.01	5.06	10.1	15.4
beta-BHC	Ave	21889042 609385957	45252233	171665685	305534806	488934652	0.502 20.3	1.01	5.06	10.1	15.4
Heptachlor	Ave	41018915 1240038214	84593661	323150577	603807028	974438978	0.496 20.0	1.00	5.00	10.0	15.2
delta-BHC	Ave	49231076 1677508126	97906118	410939929	801187053	1296788713	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	48374502 1611555191	96333102	400986351	741946690	1226916829	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	46873263 1477241221	92142180	364763897	696562507	1124184344	0.502 20.3	1.01	5.06	10.1	15.4
gamma-Chlordane	Ave	50046742	98235847	393821494	746642284	1212987092	0.496	1.00	5.00	10.0	15.2

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46652

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
		1586671598					20.0				
alpha-Chlordane	Ave	51640064 1605912663	104645748	398808710	759859052	1243547804	0.502 20.3	1.01	5.06	10.1	15.4
Endosulfan I	Ave	46089949 1405762731	90199207	357945583	665664105	1121937339	0.502 20.3	1.01	5.06	10.1	15.4
p,p'-DDE	Ave	95599117 3357927849	186161227	825595094	1508980542	2567483711	0.998 40.3	2.01	10.1	20.1	30.6
Dieldrin	Ave	93537586 3249953417	182968025	756869587	1467980034	2456395262	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	84415305 2831353821	166353260	694887296	1291770939	2208268488	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	73931803 2599939807	150231678	626372011	1165597149	1943053825	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan II	Ave	86780025 2921881321	171272459	693850115	1336948863	2189179305	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDT	Ave	47810394 1988541263	95777442	413793289	832517087	1443822946	0.992 40.0	2.00	10.0	20.0	30.4
Endrin aldehyde	Ave	73742332	144104890	569937534	1085631305	1773507337	0.992	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.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46652

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
		2327155038					40.0				
Endosulfan sulfate	Ave	82407298 2653773042	163621052	668222420	1248278692	2000627279	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	130029450 5322095200	256037178	1193047904	2326987499	3931590488	5.00 202	10.1	50.4	101	153
Endrin ketone	Ave	85469852 2826135483	166954110	683296881	1342771727	2182243162	0.998 40.3	2.01	10.1	20.1	30.6
Tetrachloro-m-xylene (Surr)	Ave	138903995 4677896568	272236313	1136949821	2212629506	3580569699	1.99 80.3	4.02	20.1	40.2	61.0
DCB Decachlorobiphenyl (Surr)	Ave	195019329 6201405697	365358511	1492214088	2904589743	4668093171	1.99 80.3	4.02	20.1	40.2	61.0

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.007.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Jan-2023 00:49:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:25:47 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.878	1.877	0.001	138903995H	1.99	2.28	
2	2.605	2.603	0.002	68463980H	1.99	2.18	
						RPD = 4.13	
2 alpha-BHC							
1	2.473	2.472	0.001	46799164H	0.4960	0.5529	
2	3.025	3.023	0.002	38173225H	0.4960	0.4771	
						RPD = 14.71	
4 gamma-BHC (Lindane)							
1	2.848	2.848	0.000	45458061H	0.5022	0.5870	
2	3.365	3.365	0.000	39724787H	0.5022	0.5019	
						RPD = 15.63	
5 beta-BHC							
1	3.100	3.098	0.002	21889042H	0.5022	0.6131	
2	3.625	3.623	0.002	18647488H	0.5022	0.6023	
						RPD = 1.78	
7 delta-BHC							
1	3.388	3.387	0.001	49231076H	0.4960	0.5587	
2	3.873	3.872	0.001	45270132H	0.4960	0.4727	
						RPD = 16.68	
8 Heptachlor							
1	3.217	3.215	0.002	41018915H	0.4960	0.5882	
2	3.947	3.947	0.000	47506743H	0.4960	0.5161	
						RPD = 13.06	
9 Aldrin							
1	3.523	3.523	0.000	48374502H	0.4960	0.5696	
2	4.240	4.240	0.000	47697104H	0.4960	0.4921	
						RPD = 14.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.028	4.027	0.001	46873263H	0.5022	0.5969	
2	4.612	4.610	0.002	45675145H	0.5022	0.5303	
						RPD = 11.81	
13 trans-Chlordane							
1	4.228	4.228	0.000	50046742H	0.4960	0.5868	
2	4.867	4.867	0.000	43348482H	0.4960	0.5111	
						RPD = 13.79	
14 cis-Chlordane							
1	4.312	4.310	0.002	51640064H	0.5022	0.5957	
2	4.908	4.907	0.001	41829413H	0.5022	0.5040	
						RPD = 16.68	
15 Endosulfan I							
1	4.357	4.355	0.002	46089949H	0.5022	0.6017	
2	4.938	4.938	0.000	44210469H	0.5022	0.5330	
						RPD = 12.10	
16 4,4'-DDE							
1	4.483	4.482	0.001	95599117H	1.00	1.12	
2	5.022	5.020	0.002	86982854H	1.00	0.9850	
						RPD = 12.72	
18 Dieldrin							
1	4.593	4.592	0.001	93537586H	0.99	1.13	
2	5.138	5.138	0.000	90312993H	0.99	0.9566	
						RPD = 16.57	
19 Endrin							
1	4.845	4.843	0.002	84415305H	0.99	1.14	
2	5.315	5.315	0.000	77825117H	0.99	0.9650	
						RPD = 16.30	
22 4,4'-DDD							
1	4.940	4.938	0.002	73931803H	0.99	1.11	
2	5.410	5.408	0.002	61605553H	0.99	0.9378	
						RPD = 16.85	
23 Endosulfan II							
1	5.052	5.050	0.002	86780025H	0.99	1.15	
2	5.508	5.507	0.001	76881826H	0.99	1.01	
						RPD = 12.72	
25 Endrin aldehyde							
1	5.223	5.222	0.001	73742332H	0.99	1.18	
2	5.588	5.587	0.001	64547214H	0.99	1.06	
						RPD = 10.80	
26 4,4'-DDT							
1	5.150	5.148	0.002	47810394H	0.99	1.04	
2	5.637	5.635	0.002	51561716H	0.99	0.9687	
						RPD = 6.93	
27 Endosulfan sulfate							
1	5.373	5.372	0.001	82407298H	0.99	1.16	
2	5.793	5.792	0.001	76524608H	0.99	1.06	
						RPD = 8.80	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.643	5.642	0.001	130029450H	5.00	5.19	
2	5.943	5.942	0.001	155118737H	5.00	4.79	
						RPD = 8.06	
29 Endrin ketone							
1	5.810	5.808	0.002	85469852H	1.00	1.15	
2	6.097	6.095	0.002	73756182H	1.00	1.00	
						RPD = 14.35	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.555	6.552	0.003	195019329H	1.99	2.39	
2	7.143	7.142	0.001	151802236H	1.99	2.30	
						RPD = 4.05	
S 32 Total DDTs							
1						1.04	
2						0.9687	
						RPD = 6.93	
S 33 Endosulfan, Total							
1						1.75	
2						1.54	
						RPD = 12.51	

Reagents:

GCS_MIXA1_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:25:48 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.007.D

Injection Date: 25-Jan-2023 00:49:00 Instrument ID: 9147

Lims ID: ic mixa1

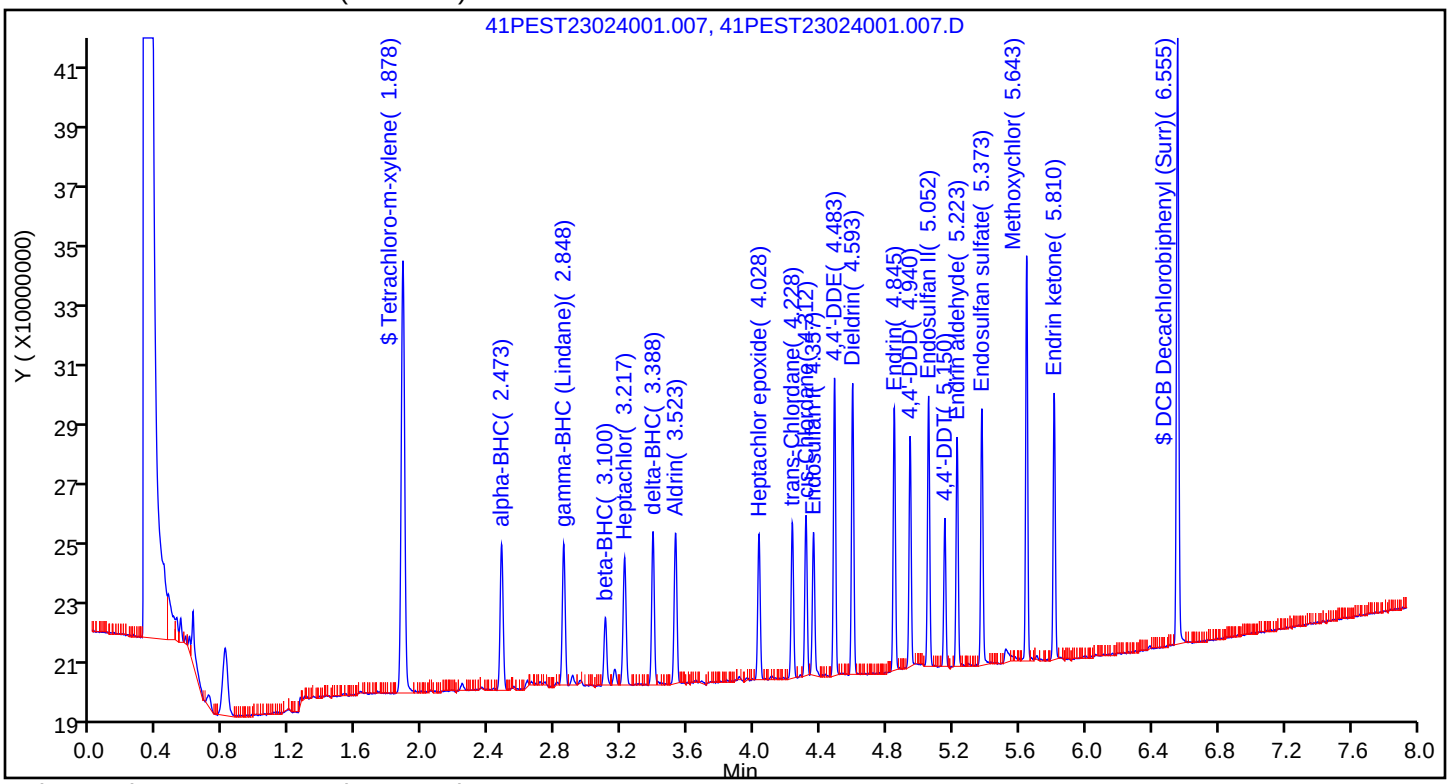
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

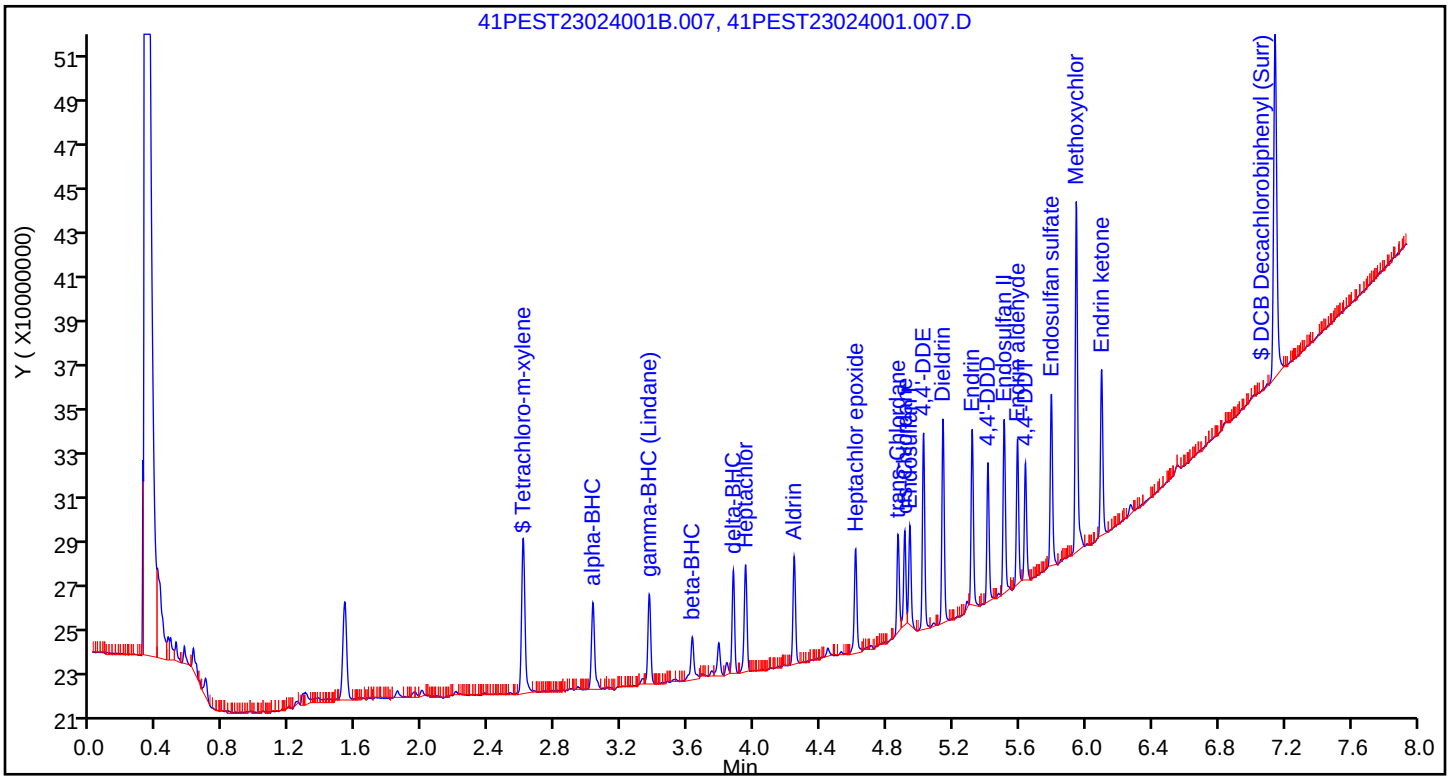
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.008.D
Lims ID: ic 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Jan-2023 01:04:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:30:13 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.877	1.877	0.000	272236313H	4.02	4.46	
2	2.603	2.603	0.000	134490533H	4.02	4.29	
						RPD = 3.90	
2 alpha-BHC							
1	2.473	2.472	0.001	92713182H	1.00	1.10	
2	3.027	3.023	0.004	78739236H	1.00	0.9842	
						RPD = 10.69	
4 gamma-BHC (Lindane)							
1	2.847	2.848	-0.001	88181191H	1.01	1.14	
2	3.367	3.365	0.002	81201114H	1.01	1.03	
						RPD = 10.41	
5 beta-BHC							
1	3.098	3.098	0.000	45252233H	1.01	1.27	
2	3.627	3.623	0.004	36373201H	1.01	1.17	
						RPD = 7.59	
7 delta-BHC							
1	3.387	3.387	0.000	97906118H	1.00	1.11	
2	3.873	3.872	0.001	93821875H	1.00	0.9797	
						RPD = 12.57	
8 Heptachlor							
1	3.215	3.215	0.000	84593661H	1.00	1.21	
2	3.948	3.947	0.001	94706704H	1.00	1.03	
						RPD = 16.43	
9 Aldrin							
1	3.523	3.523	0.000	96333102H	1.00	1.13	
2	4.242	4.240	0.002	100449795H	1.00	1.04	
						RPD = 9.02	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.027	4.027	0.000	92142180H	1.01	1.17	
2	4.612	4.610	0.002	92821875H	1.01	1.08	
						RPD = 8.49	
13 trans-Chlordane							
1	4.228	4.228	0.000	98235847H	1.00	1.15	
2	4.868	4.867	0.001	87267837H	1.00	1.03	
						RPD = 11.27	
14 cis-Chlordane							
1	4.310	4.310	0.000	104645748H	1.01	1.21	
2	4.910	4.907	0.003	88480652H	1.01	1.07	
						RPD = 12.42	
15 Endosulfan I							
1	4.355	4.355	0.000	90199207H	1.01	1.18	
2	4.940	4.938	0.002	90913225H	1.01	1.10	
						RPD = 7.16	
16 4,4'-DDE							
1	4.483	4.482	0.001	186161227H	2.01	2.18	
2	5.023	5.020	0.003	181605400H	2.01	2.06	
						RPD = 5.77	
18 Dieldrin							
1	4.592	4.592	0.000	182968025H	2.00	2.21	
2	5.140	5.138	0.002	189185437H	2.00	2.00	
						RPD = 9.75	
19 Endrin							
1	4.843	4.843	0.000	166353260H	2.00	2.24	
2	5.317	5.315	0.002	158358549H	2.00	1.96	
						RPD = 13.11	
22 4,4'-DDD							
1	4.940	4.938	0.002	150231678H	2.00	2.26	
2	5.412	5.408	0.004	128990995H	2.00	1.96	
						RPD = 13.88	
23 Endosulfan II							
1	5.050	5.050	0.000	171272459H	2.00	2.26	
2	5.510	5.507	0.003	159240699H	2.00	2.09	
						RPD = 7.91	
25 Endrin aldehyde							
1	5.222	5.222	0.000	144104890H	2.00	2.31	
2	5.590	5.587	0.003	130047315H	2.00	2.14	
						RPD = 7.75	
26 4,4'-DDT							
1	5.148	5.148	0.000	95777442H	2.00	2.08	
2	5.637	5.635	0.002	106052143H	2.00	1.99	
						RPD = 4.29	
27 Endosulfan sulfate							
1	5.372	5.372	0.000	163621052H	2.00	2.30	
2	5.793	5.792	0.001	158084362H	2.00	2.19	
						RPD = 4.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.643	5.642	0.001	256037178H	10.1	10.2	
2	5.945	5.942	0.003	318715491H	10.1	9.84	
						RPD = 3.81	
29 Endrin ketone							
1	5.808	5.808	0.000	166954110H	2.01	2.25	
2	6.097	6.095	0.002	159830156H	2.01	2.16	
						RPD = 4.00	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.553	6.552	0.001	365358511H	4.02	4.48	
2	7.145	7.142	0.003	295877853H	4.02	4.48	
						RPD = 0.10	
S 32 Total DDTs							
1						2.08	
2						1.99	
						RPD = 4.29	
S 33 Endosulfan, Total							
1						3.44	
2						3.19	
						RPD = 7.65	

Reagents:

GCS_MIXA2_00008 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:30:14 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.008.D

Injection Date: 25-Jan-2023 01:04:00 Instrument ID: 9147

Lims ID: ic 2

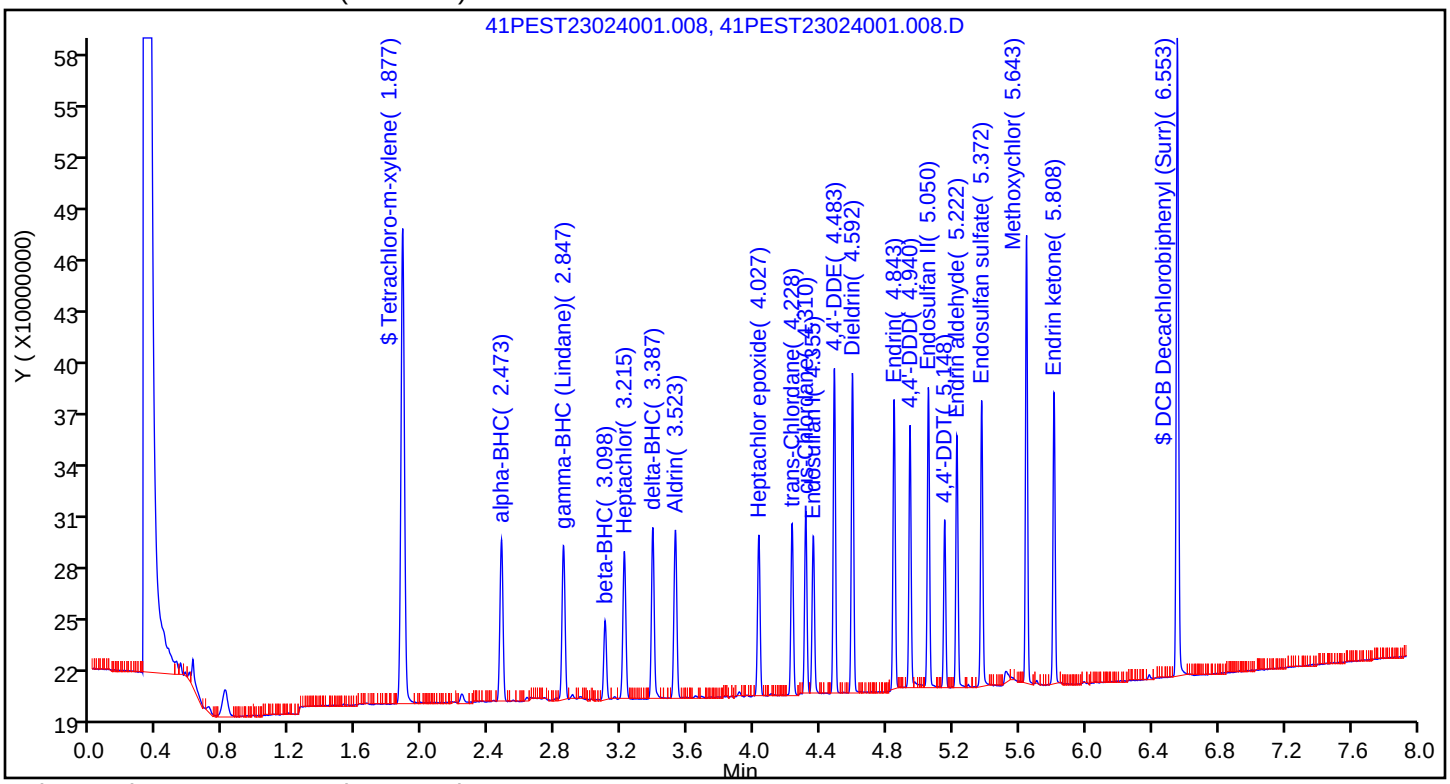
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

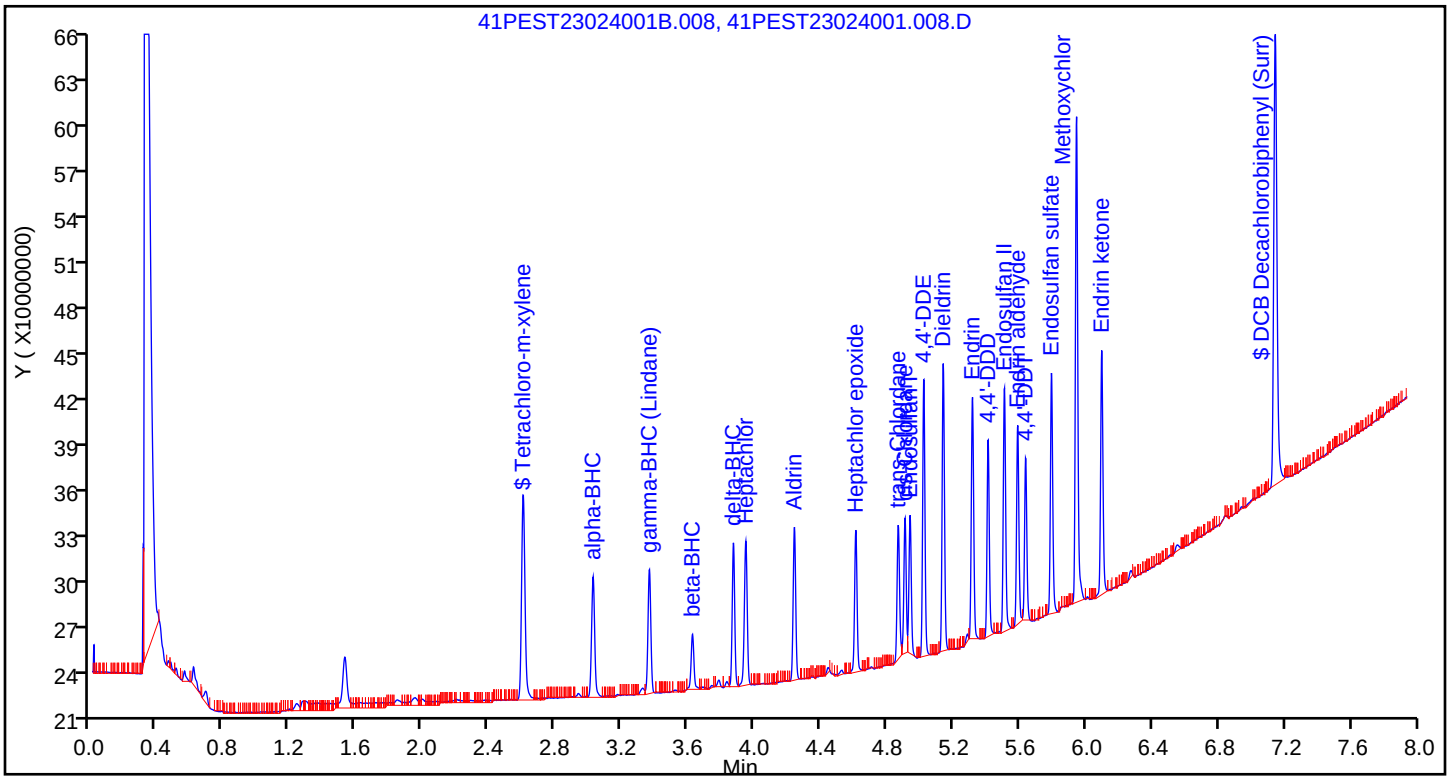
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.009.D
Lims ID: ic 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Jan-2023 01:19:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:25:52 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.880	1.877	0.003	1136949821H	20.1	18.6	
2	2.602	2.603	-0.001	593761014H	20.1	18.9	
						RPD = 1.66	
2 alpha-BHC							
1	2.475	2.472	0.003	394768455H	5.00	4.66	
2	3.023	3.023	0.000	372719373H	5.00	4.66	
						RPD = 0.11	
4 gamma-BHC (Lindane)							
1	2.850	2.848	0.002	363900980H	5.06	4.70	
2	3.363	3.365	-0.002	373104995H	5.06	4.71	
						RPD = 0.32	
5 beta-BHC							
1	3.100	3.098	0.002	171665685H	5.06	4.81	
2	3.623	3.623	0.000	150464215H	5.06	4.86	
						RPD = 1.07	
7 delta-BHC							
1	3.388	3.387	0.001	410939929H	5.00	4.66	
2	3.872	3.872	0.000	446060038H	5.00	4.66	
						RPD = 0.13	
8 Heptachlor							
1	3.217	3.215	0.002	323150577H	5.00	4.63	
2	3.945	3.947	-0.002	426392493H	5.00	4.63	
						RPD = 0.03	
9 Aldrin							
1	3.525	3.523	0.002	400986351H	5.00	4.72	
2	4.238	4.240	-0.002	456608285H	5.00	4.71	
						RPD = 0.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.028	4.027	0.001	364763897H	5.06	4.64	
2	4.608	4.610	-0.002	403463959H	5.06	4.68	
						RPD = 0.85	
13 trans-Chlordane							
1	4.230	4.228	0.002	393821494H	5.00	4.62	
2	4.865	4.867	-0.002	399534170H	5.00	4.71	
						RPD = 2.00	
14 cis-Chlordane							
1	4.313	4.310	0.003	398808710H	5.06	4.60	
2	4.907	4.907	0.000	406463045H	5.06	4.90	
						RPD = 6.25	
15 Endosulfan I							
1	4.358	4.355	0.003	357945583H	5.06	4.67	
2	4.937	4.938	-0.001	397740534H	5.06	4.80	
						RPD = 2.59	
16 4,4'-DDE							
1	4.485	4.482	0.003	825595094H	10.1	9.66	
2	5.020	5.020	0.000	835396950H	10.1	9.46	
						RPD = 2.11	
18 Dieldrin							
1	4.595	4.592	0.003	756869587H	10.0	9.14	
2	5.138	5.138	0.000	915679949H	10.0	9.70	
						RPD = 5.95	
19 Endrin							
1	4.845	4.843	0.002	694887296H	10.0	9.35	
2	5.313	5.315	-0.002	774514117H	10.0	9.60	
						RPD = 2.64	
22 4,4'-DDD							
1	4.942	4.938	0.004	626372011H	10.0	9.41	
2	5.408	5.408	0.000	623326492H	10.0	9.49	
						RPD = 0.86	
23 Endosulfan II							
1	5.052	5.050	0.002	693850115H	10.0	9.16	
2	5.507	5.507	0.000	730700323H	10.0	9.59	
						RPD = 4.54	
25 Endrin aldehyde							
1	5.225	5.222	0.003	569937534H	10.0	9.14	
2	5.587	5.587	0.000	571832691H	10.0	9.40	
						RPD = 2.84	
26 4,4'-DDT							
1	5.152	5.148	0.004	413793289H	10.0	8.99	
2	5.635	5.635	0.000	504620081H	10.0	9.48	
						RPD = 5.36	
27 Endosulfan sulfate							
1	5.373	5.372	0.001	668222420H	10.0	9.41	
2	5.792	5.792	0.000	689886107H	10.0	9.58	
						RPD = 1.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.645	5.642	0.003	1193047904H	50.4	47.6	
2	5.942	5.942	0.000	1531087733H	50.4	47.3	
						RPD = 0.76	
29 Endrin ketone							
1	5.812	5.808	0.004	683296881H	10.1	9.22	
2	6.093	6.095	-0.002	712248516H	10.1	9.64	
						RPD = 4.51	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.557	6.552	0.005	1492214088H	20.1	18.3	
2	7.142	7.142	0.000	1242967701H	20.1	18.8	
						RPD = 2.72	
S 32 Total DDTs							
1						8.99	
2						9.48	
						RPD = 5.36	
S 33 Endosulfan, Total							
1						13.8	
2						14.4	
						RPD = 3.89	

Reagents:

GCS_MIXA3_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:25:52 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.009.D

Injection Date: 25-Jan-2023 01:19:00 Instrument ID: 9147

Lims ID: ic 3

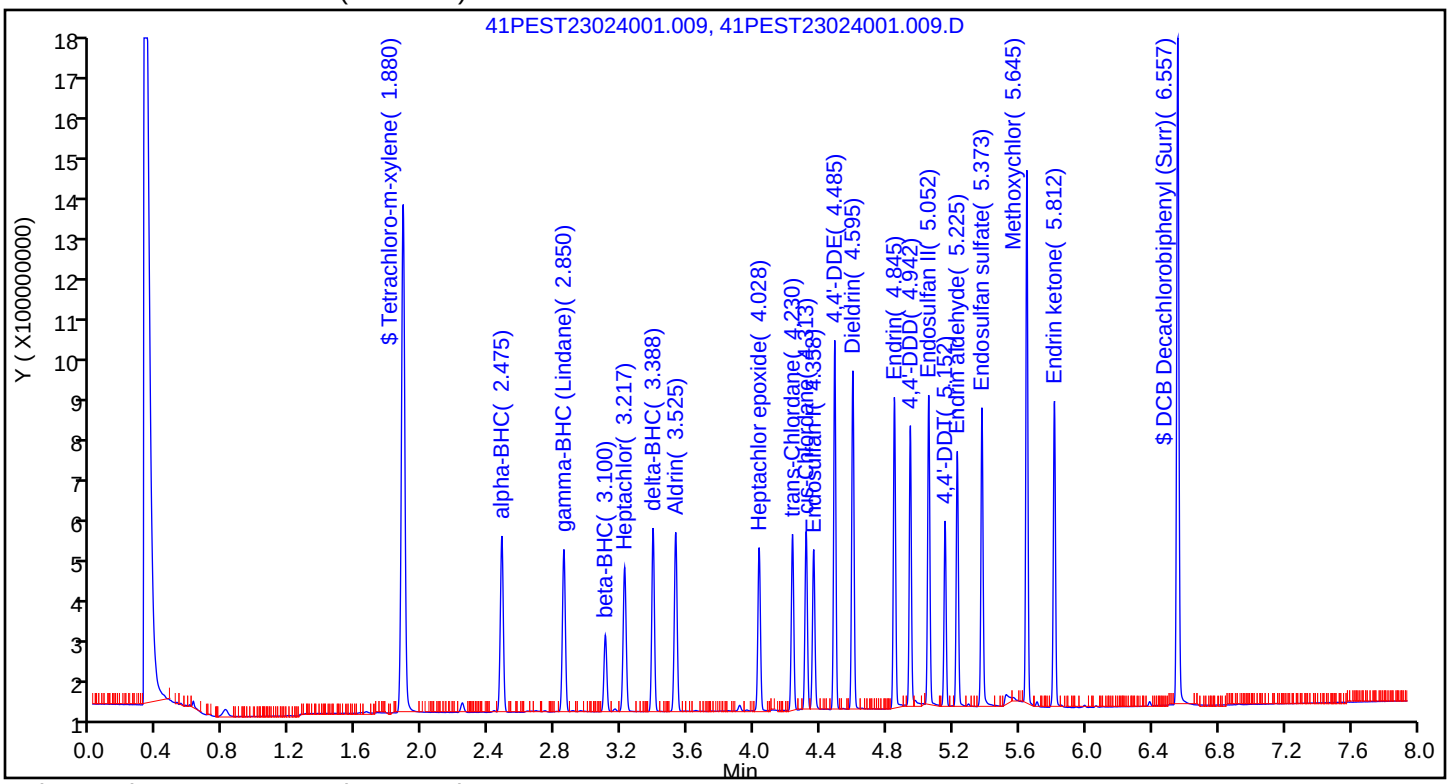
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

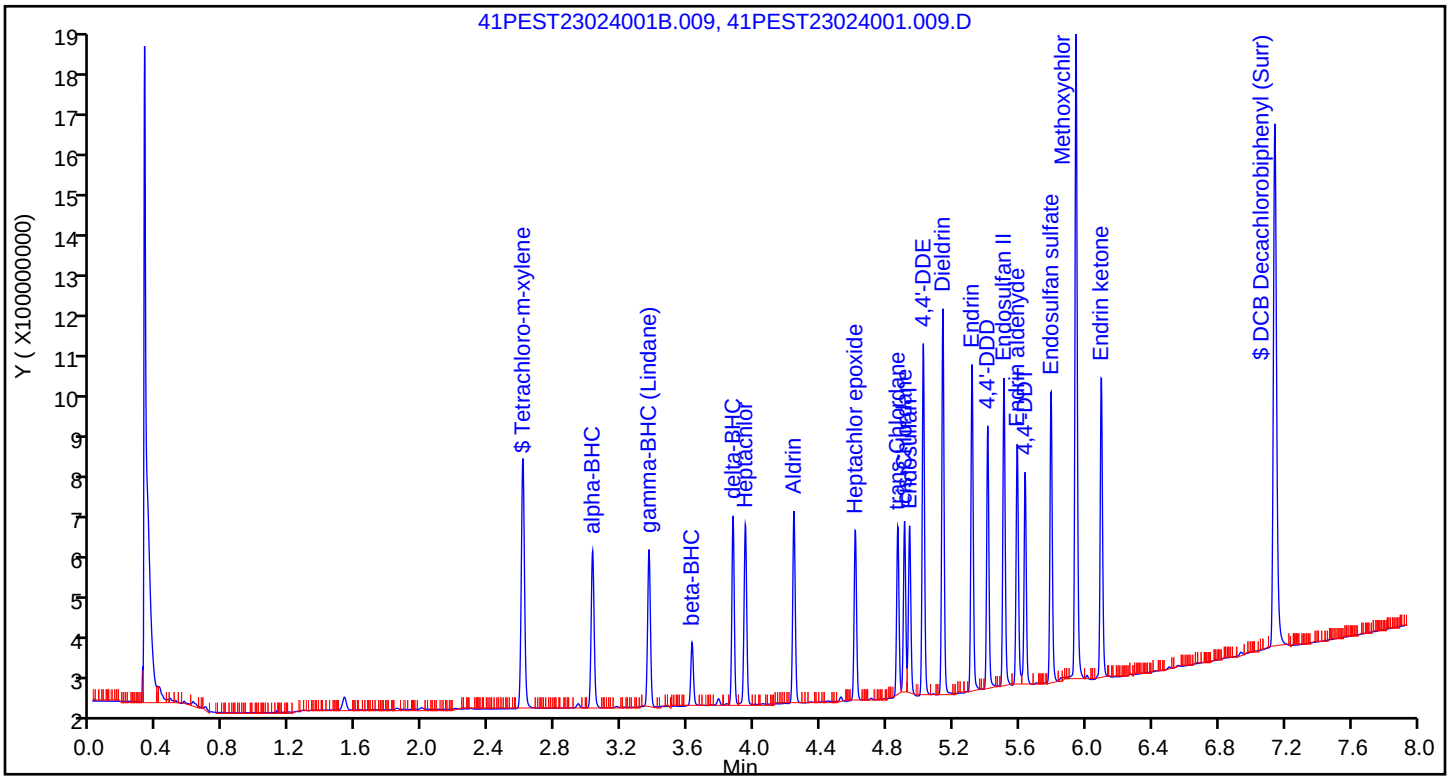
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.010.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 25-Jan-2023 01:33:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt a4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:25:56 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.877	1.877	0.000	2212629506H	40.2	36.3	
2	2.603	2.603	0.000	1154123767H	40.2	36.8	
						RPD = 1.53	
2 alpha-BHC							
1	2.472	2.472	0.000	752334690H	10.0	8.89	
2	3.023	3.023	0.000	778170626H	10.0	9.73	
						RPD = 9.00	
4 gamma-BHC (Lindane)							
1	2.848	2.848	0.000	706178241H	10.1	9.12	
2	3.365	3.365	0.000	756726759H	10.1	9.56	
						RPD = 4.74	
5 beta-BHC							
1	3.098	3.098	0.000	305534806H	10.1	8.56	
2	3.623	3.623	0.000	274612309H	10.1	8.87	
						RPD = 3.58	
7 delta-BHC							
1	3.387	3.387	0.000	801187053H	10.0	9.09	
2	3.872	3.872	0.000	916567963H	10.0	9.57	
						RPD = 5.12	
8 Heptachlor							
1	3.215	3.215	0.000	603807028H	10.0	8.66	
2	3.947	3.947	0.000	850043471H	10.0	9.23	
						RPD = 6.44	
9 Aldrin							
1	3.523	3.523	0.000	741946690H	10.0	8.74	
2	4.240	4.240	0.000	935385521H	10.0	9.65	
						RPD = 9.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.027	4.027	0.000	696562507H	10.1	8.87	
2	4.610	4.610	0.000	802900569H	10.1	9.32	
						RPD = 4.97	
13 trans-Chlordane							
1	4.228	4.228	0.000	746642284H	10.0	8.75	
2	4.867	4.867	0.000	778675822H	10.0	9.18	
						RPD = 4.76	
14 cis-Chlordane							
1	4.310	4.310	0.000	759859052H	10.1	8.77	
2	4.907	4.907	0.000	752087586H	10.1	9.06	
						RPD = 3.32	
15 Endosulfan I							
1	4.355	4.355	0.000	665664105H	10.1	8.69	
2	4.938	4.938	0.000	751363047H	10.1	9.06	
						RPD = 4.16	
16 4,4'-DDE							
1	4.482	4.482	0.000	1508980542H	20.1	17.7	
2	5.020	5.020	0.000	1691905898H	20.1	19.2	
						RPD = 8.14	
18 Dieldrin							
1	4.592	4.592	0.000	1467980034H	20.0	17.7	
2	5.138	5.138	0.000	1787196643H	20.0	18.9	
						RPD = 6.57	
19 Endrin							
1	4.843	4.843	0.000	1291770939H	20.0	17.4	
2	5.315	5.315	0.000	1568987488H	20.0	19.5	
						RPD = 11.22	
22 4,4'-DDD							
1	4.938	4.938	0.000	1165597149H	20.0	17.5	
2	5.408	5.408	0.000	1281720117H	20.0	19.5	
						RPD = 10.83	
23 Endosulfan II							
1	5.050	5.050	0.000	1336948863H	20.0	17.7	
2	5.507	5.507	0.000	1390478365H	20.0	18.2	
						RPD = 3.29	
25 Endrin aldehyde							
1	5.222	5.222	0.000	1085631305H	20.0	17.4	
2	5.587	5.587	0.000	1094517610H	20.0	18.0	
						RPD = 3.33	
26 4,4'-DDT							
1	5.148	5.148	0.000	832517087H	20.0	18.1	
2	5.635	5.635	0.000	982428306H	20.0	18.5	
						RPD = 2.08	
27 Endosulfan sulfate							
1	5.372	5.372	0.000	1248278692H	20.0	17.6	
2	5.792	5.792	0.000	1321500407H	20.0	18.3	
						RPD = 4.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.642	5.642	0.000	2326987499H	100.8	92.9	
2	5.942	5.942	0.000	3109393344H	100.8	96.0	
						RPD = 3.27	
29 Endrin ketone							
1	5.808	5.808	0.000	1342771727H	20.1	18.1	
2	6.095	6.095	0.000	1411750547H	20.1	19.1	
						RPD = 5.37	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.552	6.552	0.000	2904589743H	40.2	35.6	
2	7.142	7.142	0.000	2377386665H	40.2	36.0	
						RPD = 0.97	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:25:57 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.010.D

Injection Date: 25-Jan-2023 01:33:00 Instrument ID: 9147

Lims ID: icrt

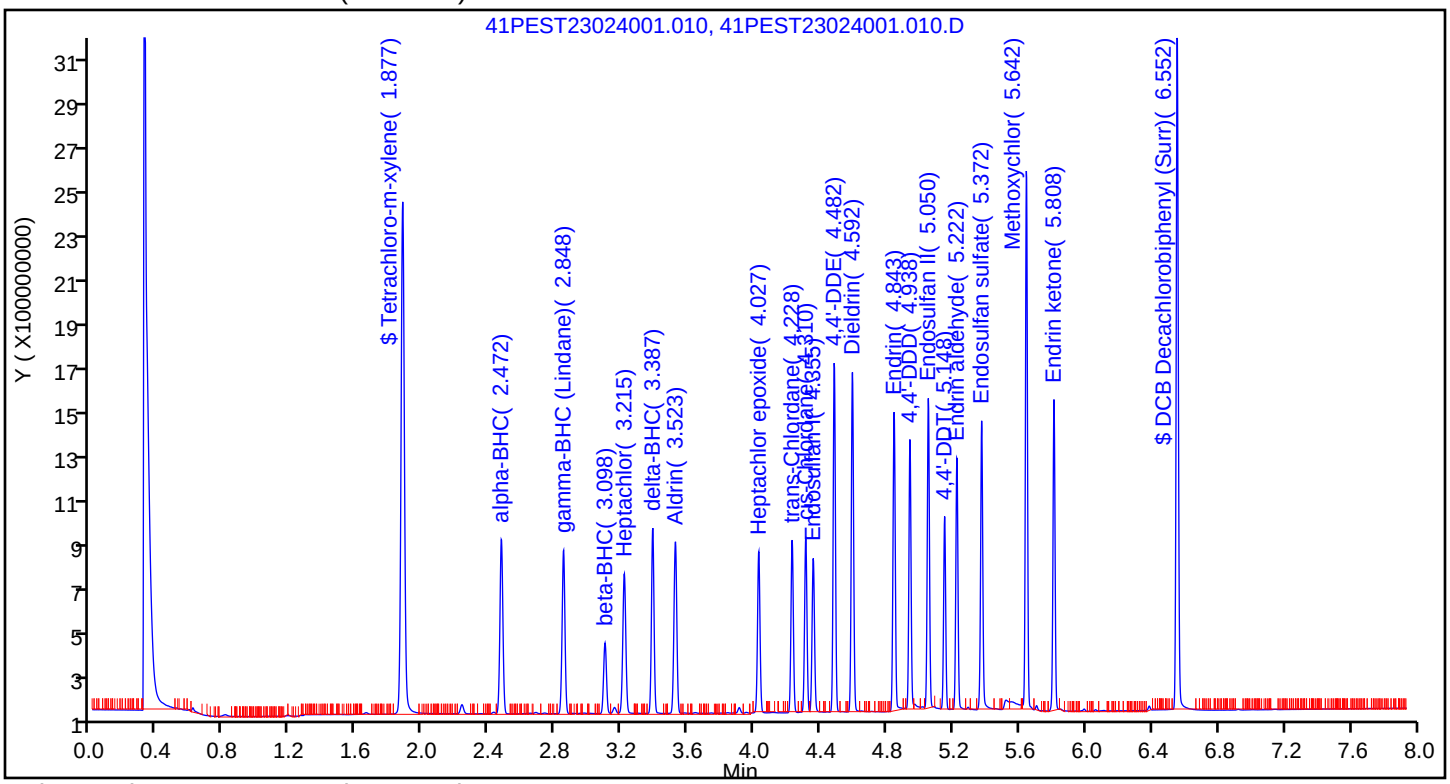
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

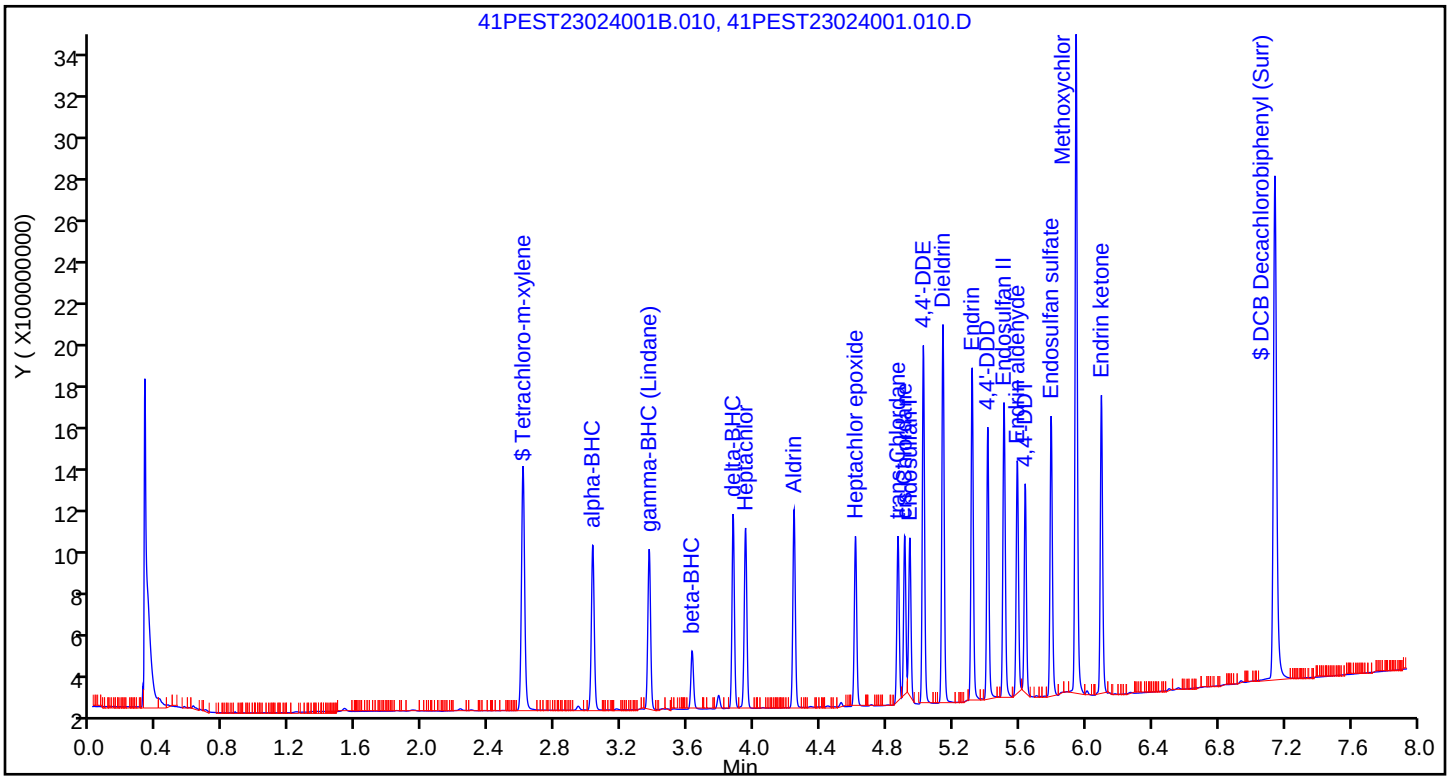
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.011.D
Lims ID: ic 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Jan-2023 01:48:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:00 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.880	1.877	0.003	3580569699H	61.0	58.7	
2	2.607	2.603	0.004	1889636721H	61.0	60.3	
						RPD = 2.70	
2 alpha-BHC							
1	2.477	2.472	0.005	1283454150H	15.2	15.2	
2	3.028	3.023	0.005	1303075506H	15.2	16.3	
						RPD = 7.15	
4 gamma-BHC (Lindane)							
1	2.852	2.848	0.004	1110747410H	15.4	14.3	
2	3.368	3.365	0.003	1259320290H	15.4	15.9	
						RPD = 10.37	
5 beta-BHC							
1	3.102	3.098	0.004	488934652H	15.4	13.7	
2	3.628	3.623	0.005	436607093H	15.4	14.1	
						RPD = 2.93	
7 delta-BHC							
1	3.390	3.387	0.003	1296788713H	15.2	14.7	
2	3.875	3.872	0.003	1568113515H	15.2	16.4	
						RPD = 10.66	
8 Heptachlor							
1	3.218	3.215	0.003	974438978H	15.2	14.0	
2	3.950	3.947	0.003	1461143114H	15.2	15.9	
						RPD = 12.74	
9 Aldrin							
1	3.527	3.523	0.004	1226916829H	15.2	14.4	
2	4.243	4.240	0.003	1528491029H	15.2	15.8	
						RPD = 8.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.030	4.027	0.003	1124184344H	15.4	14.3	
2	4.613	4.610	0.003	1359915894H	15.4	15.8	
						RPD = 9.80	
13 trans-Chlordane							
1	4.232	4.228	0.004	1212987092H	15.2	14.2	
2	4.870	4.867	0.003	1320007891H	15.2	15.6	
						RPD = 9.01	
14 cis-Chlordane							
1	4.313	4.310	0.003	1243547804H	15.4	14.3	
2	4.912	4.907	0.005	1336805442H	15.4	16.1	
						RPD = 11.57	
15 Endosulfan I							
1	4.358	4.355	0.003	1121937339H	15.4	14.6	
2	4.942	4.938	0.004	1297255958H	15.4	15.6	
						RPD = 6.56	
16 4,4'-DDE							
1	4.487	4.482	0.005	2567483711H	30.6	30.0	
2	5.025	5.020	0.005	2825790894H	30.6	32.0	
						RPD = 6.29	
18 Dieldrin							
1	4.595	4.592	0.003	2456395262H	30.4	29.7	
2	5.142	5.138	0.004	3047299742H	30.4	32.3	
						RPD = 8.45	
19 Endrin							
1	4.847	4.843	0.004	2208268488H	30.4	29.7	
2	5.318	5.315	0.003	2611255457H	30.4	32.4	
						RPD = 8.55	
22 4,4'-DDD							
1	4.942	4.938	0.004	1943053825H	30.4	29.2	
2	5.413	5.408	0.005	2106735310H	30.4	32.1	
						RPD = 9.43	
23 Endosulfan II							
1	5.053	5.050	0.003	2189179305H	30.4	28.9	
2	5.512	5.507	0.005	2407301767H	30.4	31.6	
						RPD = 8.86	
25 Endrin aldehyde							
1	5.227	5.222	0.005	1773507337H	30.4	28.4	
2	5.592	5.587	0.005	1861552775H	30.4	30.6	
						RPD = 7.35	
26 4,4'-DDT							
1	5.152	5.148	0.004	1443822946H	30.4	31.4	
2	5.638	5.635	0.003	1736225363H	30.4	32.6	
						RPD = 3.96	
27 Endosulfan sulfate							
1	5.375	5.372	0.003	2000627279H	30.4	28.2	
2	5.795	5.792	0.003	2154005649H	30.4	29.9	
						RPD = 5.98	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.645	5.642	0.003	3931590488H	153.1	157.0	
2	5.947	5.942	0.005	5349293028H	153.1	165.1	
						RPD = 5.08	
29 Endrin ketone							
1	5.812	5.808	0.004	2182243162H	30.6	29.4	
2	6.098	6.095	0.003	2272859875H	30.6	30.8	
						RPD = 4.43	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.557	6.552	0.005	4668093171H	61.0	57.3	
2	7.147	7.142	0.005	3831101145H	61.0	58.0	
						RPD = 1.24	
S 32 Total DDTs							
1						31.4	
2						32.6	
						RPD = 3.96	
S 33 Endosulfan, Total							
1						43.6	
2						47.2	
						RPD = 8.09	

Reagents:

GCS_MIXA5_00012 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:01 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.011.D

Injection Date: 25-Jan-2023 01:48:00 Instrument ID: 9147

Lims ID: ic 5

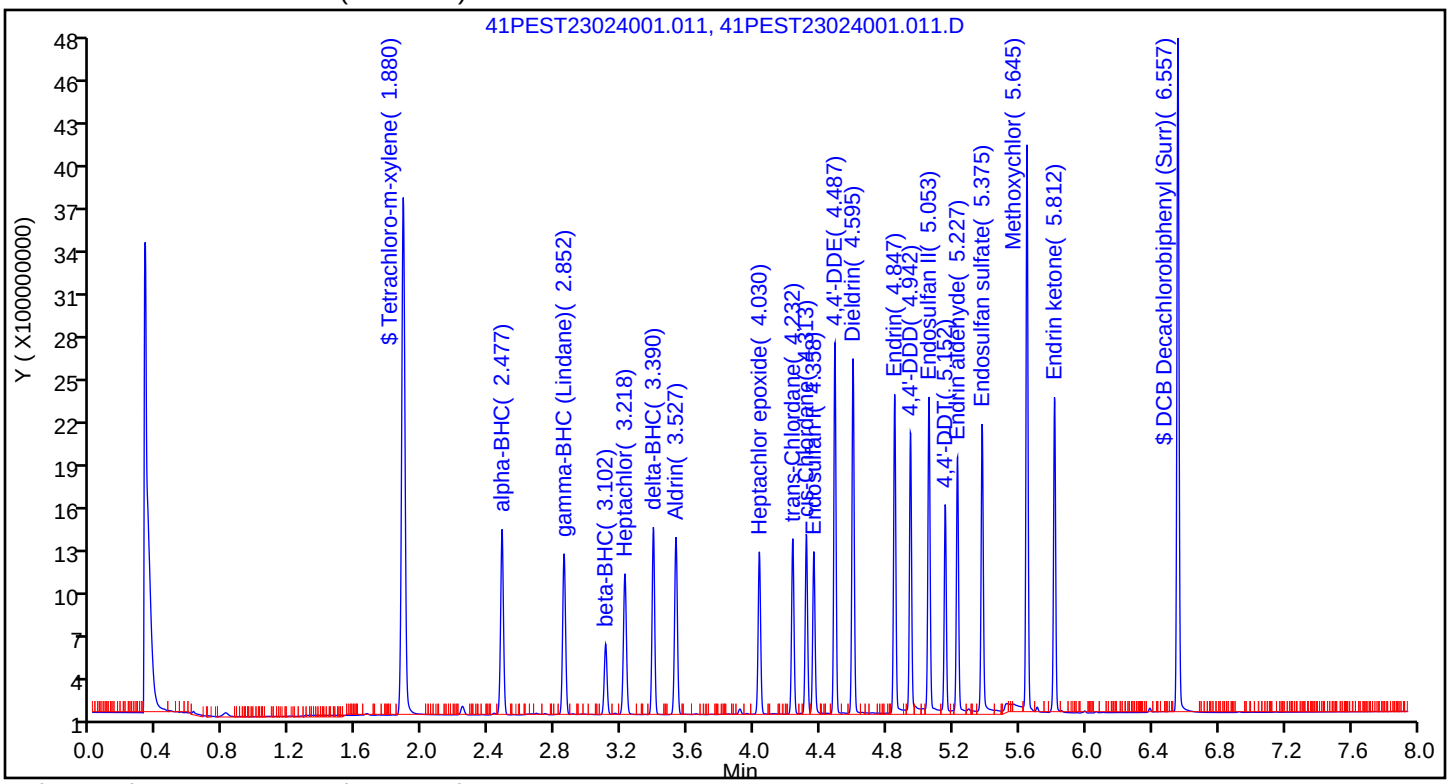
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 11

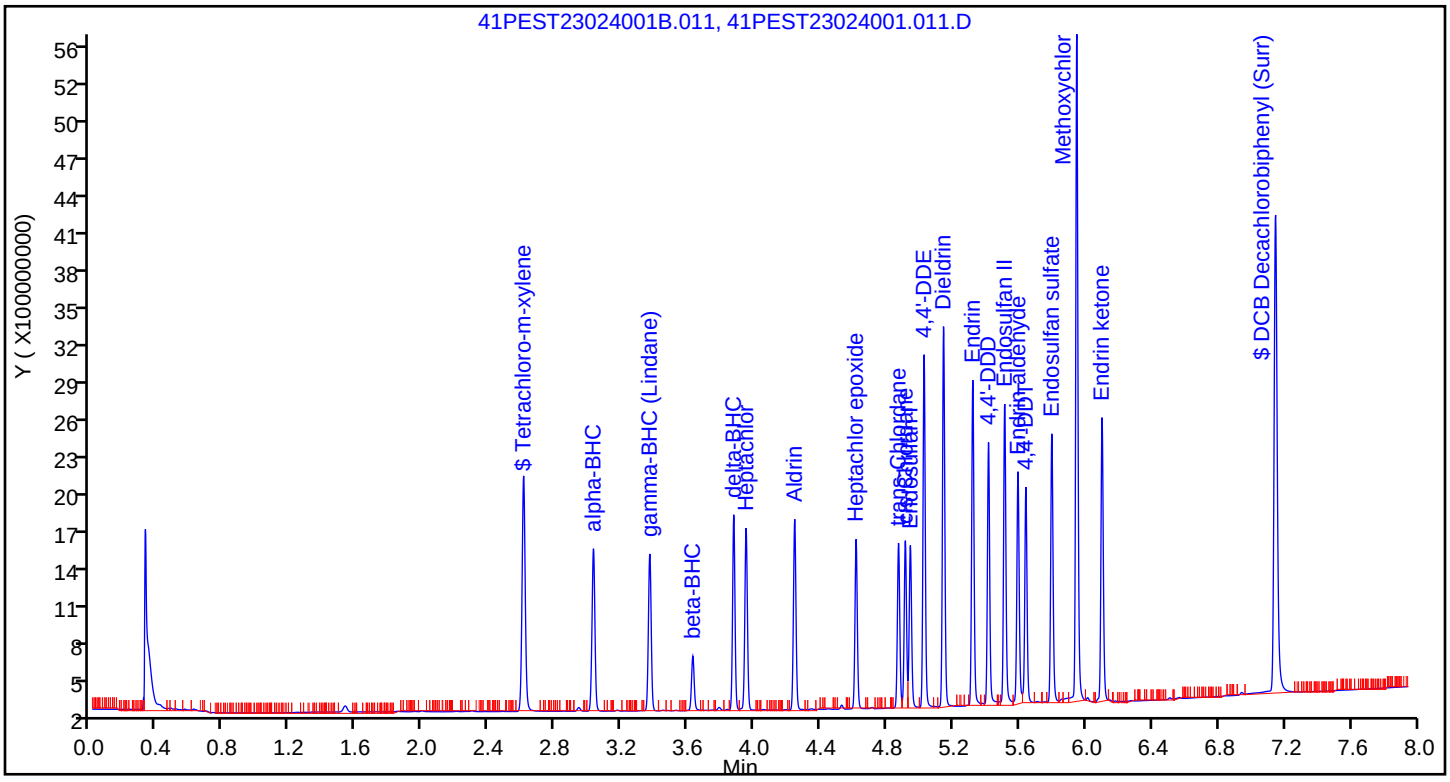
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.012.D
Lims ID: ic 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Jan-2023 02:03:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:04 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.878	1.877	0.001	4677896568H	80.3	76.7	
2	2.602	2.603	-0.001	2485642257H	80.3	79.3	
						RPD = 3.39	
2 alpha-BHC							
1	2.473	2.472	0.001	1642874448H	20.0	19.4	
2	3.022	3.023	-0.001	1724560773H	20.0	21.6	
						RPD = 10.48	
4 gamma-BHC (Lindane)							
1	2.848	2.848	0.000	1483749441H	20.3	19.2	
2	3.363	3.365	-0.002	1728198739H	20.3	21.8	
						RPD = 13.06	
5 beta-BHC							
1	3.098	3.098	0.000	609385957H	20.3	17.1	
2	3.622	3.623	-0.001	557046860H	20.3	18.0	
						RPD = 5.27	
7 delta-BHC							
1	3.387	3.387	0.000	1677508126H	20.0	19.0	
2	3.870	3.872	-0.002	2109145282H	20.0	22.0	
						RPD = 14.54	
8 Heptachlor							
1	3.215	3.215	0.000	1240038214H	20.0	17.8	
2	3.945	3.947	-0.002	1907708338H	20.0	20.7	
						RPD = 15.29	
9 Aldrin							
1	3.523	3.523	0.000	1611555191H	20.0	19.0	
2	4.237	4.240	-0.003	1989301213H	20.0	20.5	
						RPD = 7.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.027	4.027	0.000	1477241221H	20.3	18.8	
2	4.608	4.610	-0.002	1757242569H	20.3	20.4	
						RPD = 8.12	
13 trans-Chlordane							
1	4.230	4.228	0.002	1586671598H	20.0	18.6	
2	4.865	4.867	-0.002	1791402353H	20.0	21.1	
						RPD = 12.68	
14 cis-Chlordane							
1	4.312	4.310	0.002	1605912663H	20.3	18.5	
2	4.905	4.907	-0.002	1739044547H	20.3	21.0	
						RPD = 12.30	
15 Endosulfan I							
1	4.357	4.355	0.002	1405762731H	20.3	18.4	
2	4.935	4.938	-0.003	1676506883H	20.3	20.2	
						RPD = 9.65	
16 4,4'-DDE							
1	4.483	4.482	0.001	3357927849H	40.3	39.3	
2	5.018	5.020	-0.002	3742550102H	40.3	42.4	
						RPD = 7.55	
18 Dieldrin							
1	4.593	4.592	0.001	3249953417H	40.0	39.2	
2	5.137	5.138	-0.001	3986548157H	40.0	42.2	
						RPD = 7.33	
19 Endrin							
1	4.845	4.843	0.002	2831353821H	40.0	38.1	
2	5.313	5.315	-0.002	3378783127H	40.0	41.9	
						RPD = 9.46	
22 4,4'-DDD							
1	4.940	4.938	0.002	2599939807H	40.0	39.1	
2	5.407	5.408	-0.001	2872671290H	40.0	43.7	
						RPD = 11.31	
23 Endosulfan II							
1	5.052	5.050	0.002	2921881321H	40.0	38.6	
2	5.505	5.507	-0.002	3135172342H	40.0	41.1	
						RPD = 6.41	
25 Endrin aldehyde							
1	5.223	5.222	0.001	2327155038H	40.0	37.3	
2	5.585	5.587	-0.002	2466550884H	40.0	40.6	
						RPD = 8.32	
26 4,4'-DDT							
1	5.150	5.148	0.002	1988541263H	40.0	43.2	
2	5.633	5.635	-0.002	2306075406H	40.0	43.3	
						RPD = 0.33	
27 Endosulfan sulfate							
1	5.373	5.372	0.001	2653773042H	40.0	37.4	
2	5.790	5.792	-0.002	2807820962H	40.0	39.0	
						RPD = 4.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.643	5.642	0.001	5322095200H	201.5	212.5	
2	5.940	5.942	-0.002	7153480032H	201.5	220.8	
						RPD = 3.86	
29 Endrin ketone							
1	5.810	5.808	0.002	2826135483H	40.3	38.1	
2	6.093	6.095	-0.002	3003466711H	40.3	40.7	
						RPD = 6.44	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.553	6.552	0.001	6201405697H	80.3	76.1	
2	7.140	7.142	-0.002	5044379845H	80.3	76.3	
						RPD = 0.35	
S 32 Total DDTs							
1						43.2	
2						43.3	
						RPD = 0.33	
S 33 Endosulfan, Total							
1						56.9	
2						61.3	
						RPD = 7.47	

Reagents:

GCS_MIXA6_00008 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:05 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.012.D

Injection Date: 25-Jan-2023 02:03:00 Instrument ID: 9147

Lims ID: ic 6

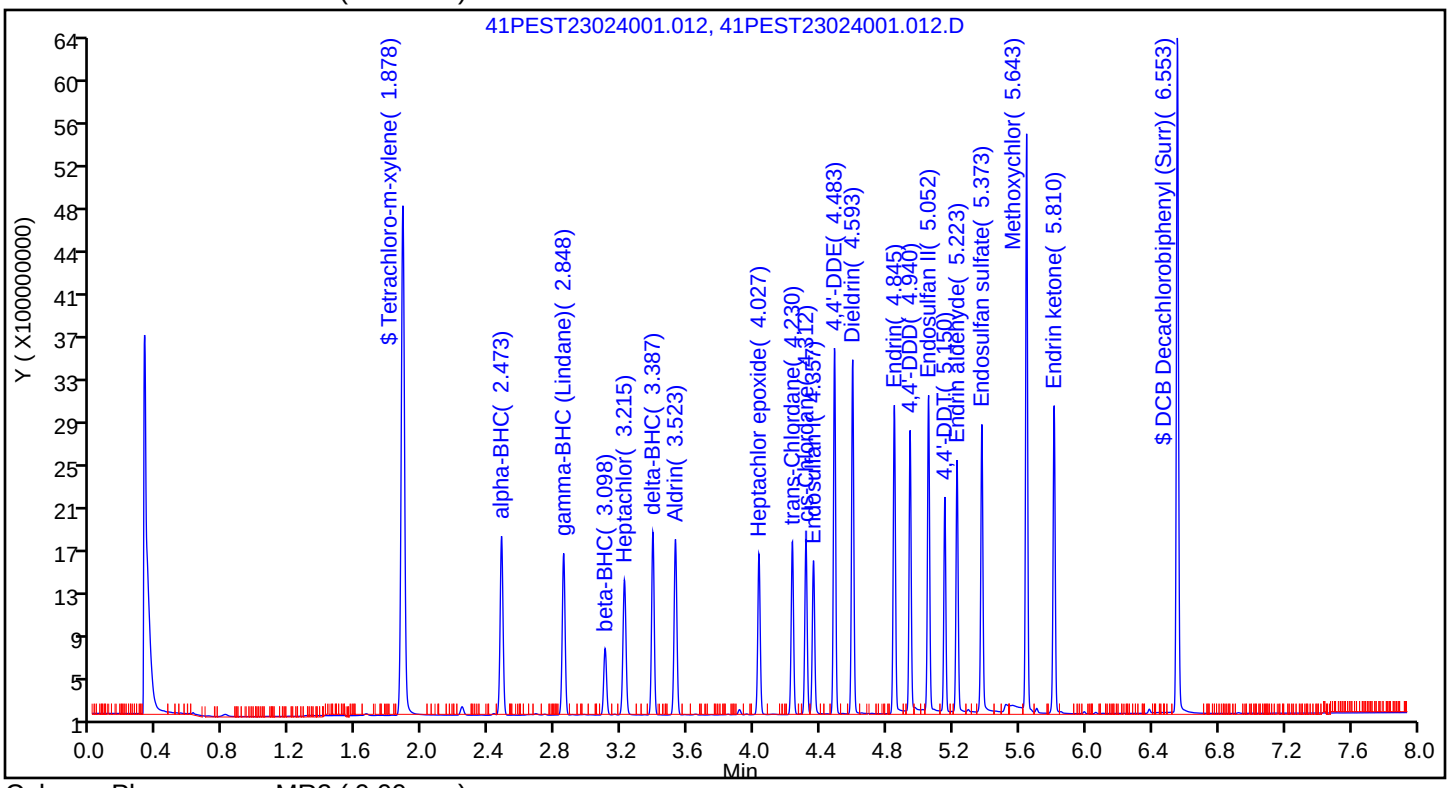
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

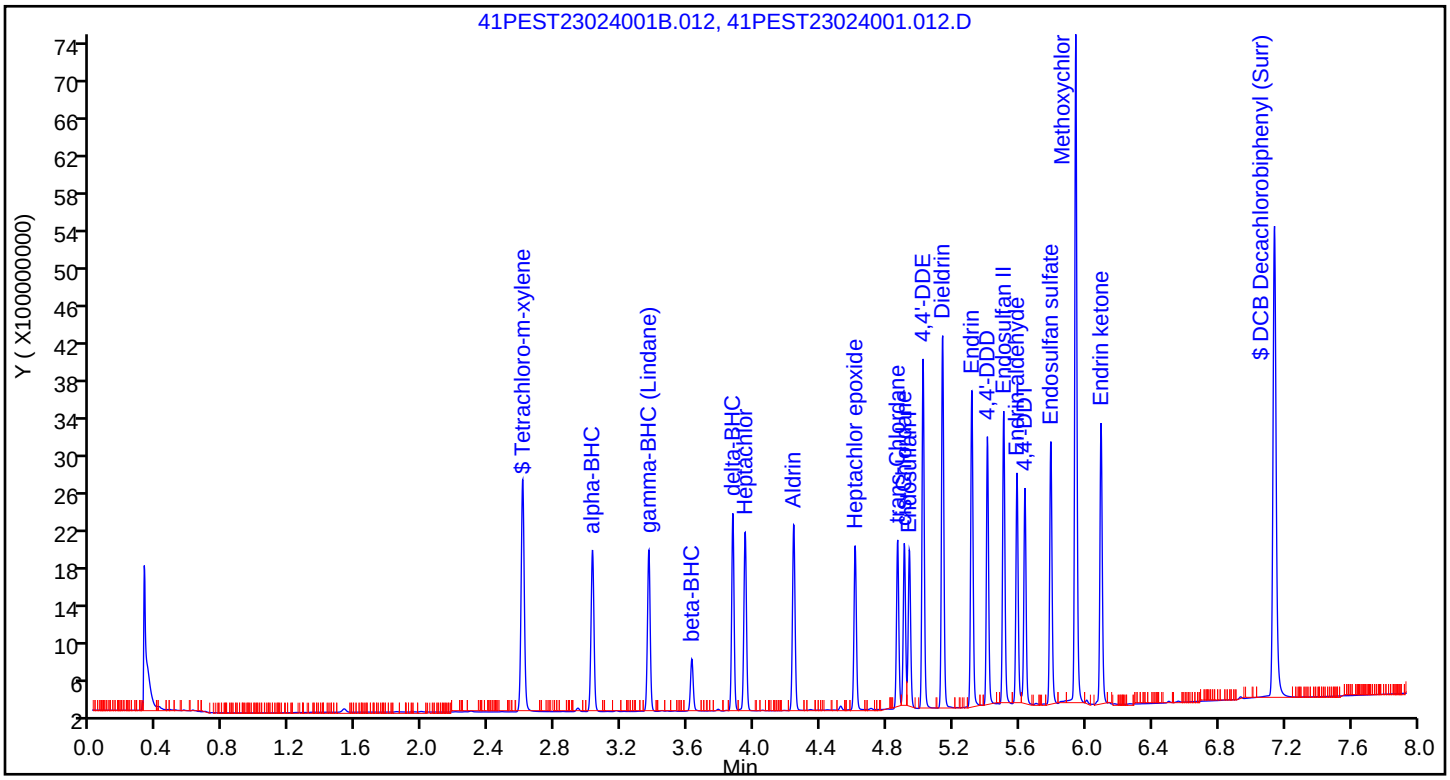
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Calibration / Tetrachloro-m-xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

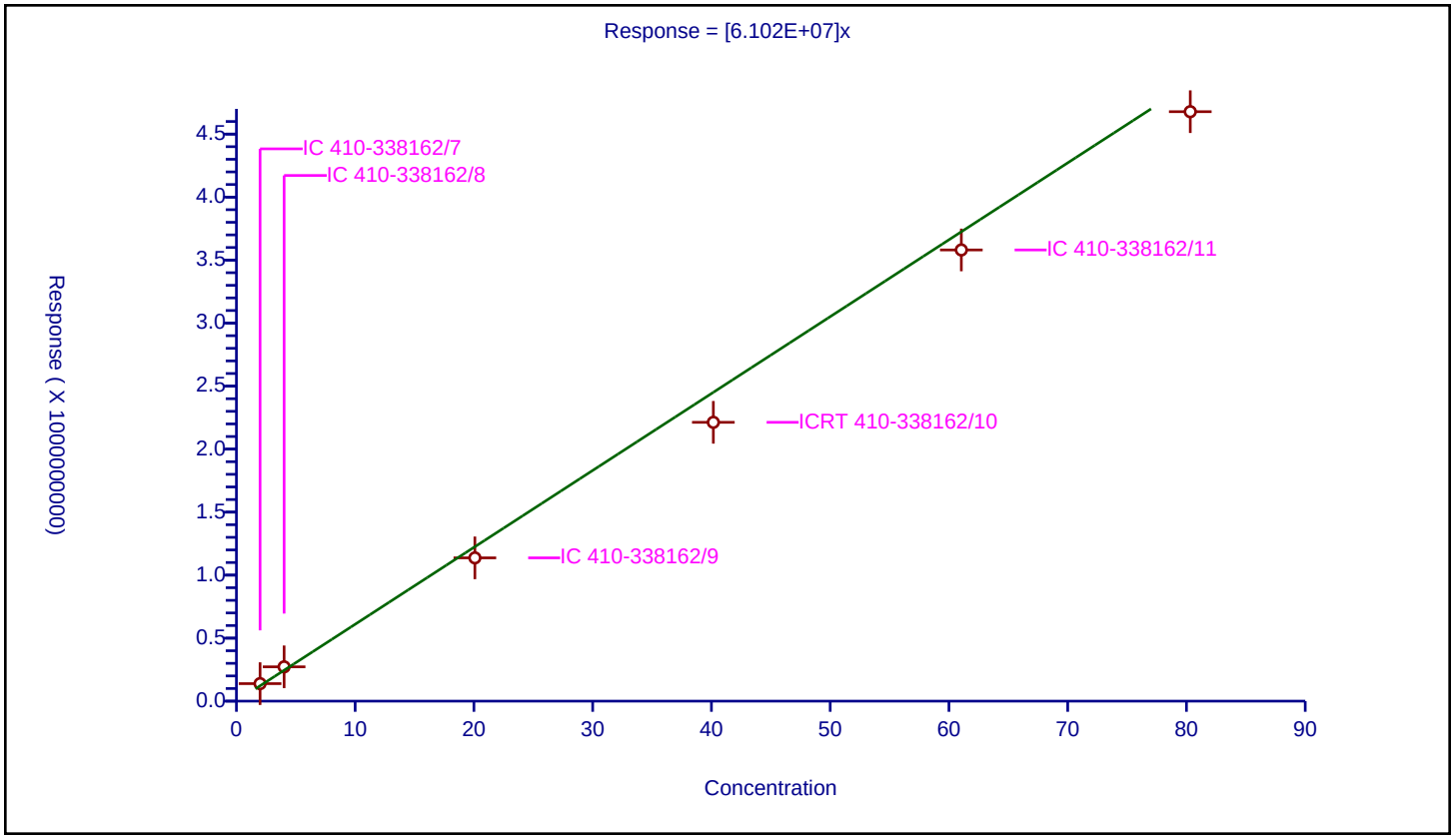
Curve Coefficients

Intercept:	0
Slope:	6.102E+07

Error Coefficients

Standard Error:	165000000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	1.991936	138903995.0			69733161.607602	Y
2	IC 410-338162/8	4.016	272236313.0			67787926.543825	Y
3	IC 410-338162/9	20.08	1136949821.0			56621007.021912	Y
4	ICRT 410-338162/10	40.16	2212629506.0			55095356.2251	Y
5	IC 410-338162/11	61.0432	3580569699.0			58656323.701903	Y
6	IC 410-338162/12	80.32	4677896568.0			58240744.123506	Y



Calibration / alpha-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

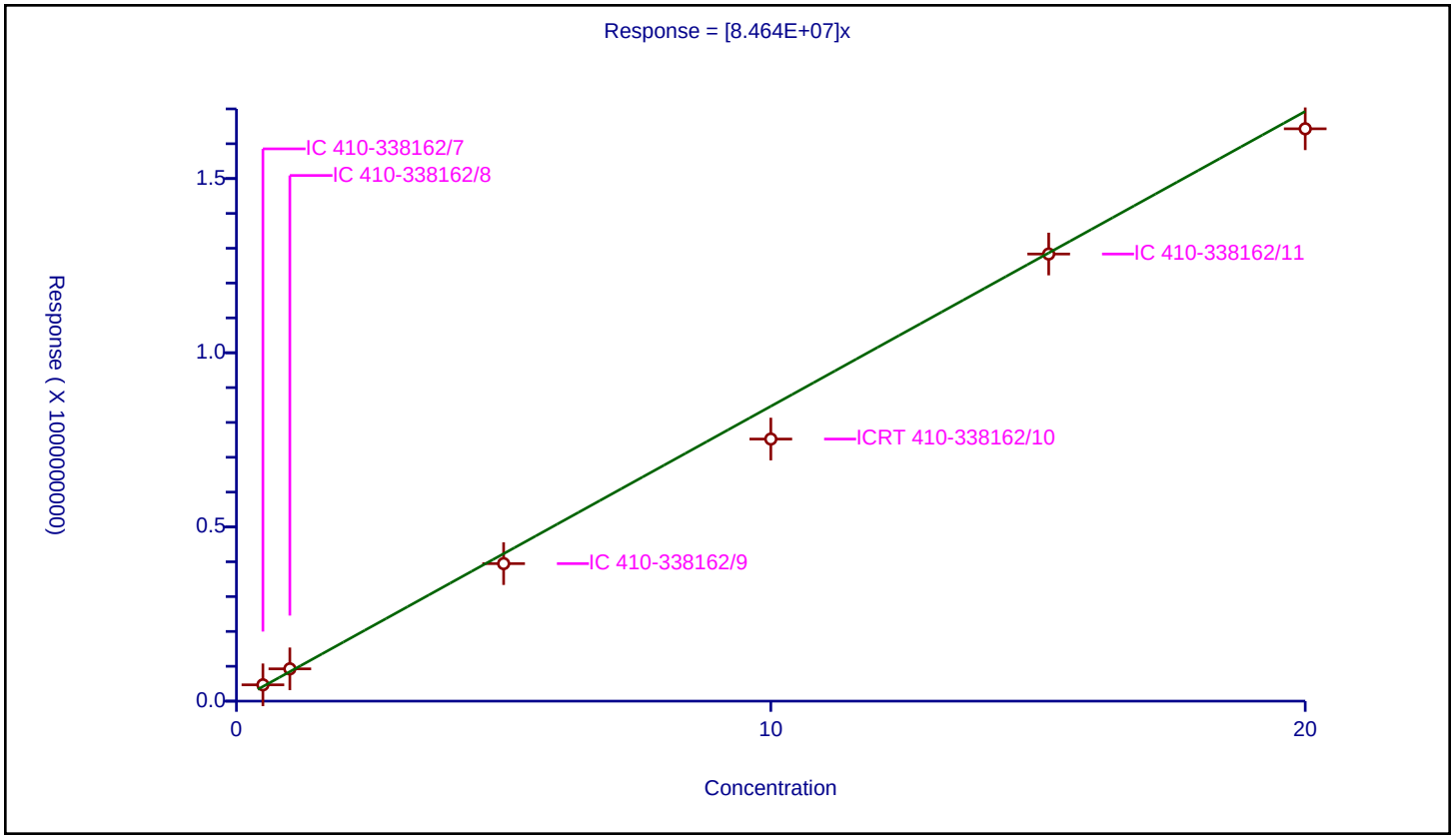
Curve Coefficients

Intercept:	0
Slope:	8.464E+07

Error Coefficients

Standard Error:	49500000
Relative Standard Error:	8.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.496	46799164.0			94353153.225806	Y
2	IC 410-338162/8	1.0	92713182.0			92713182.0	Y
3	IC 410-338162/9	5.0	394768455.0			78953691.0	Y
4	ICRT 410-338162/10	10.0	752334690.0			75233469.0	Y
5	IC 410-338162/11	15.2	1283454150.0			84437773.026316	Y
6	IC 410-338162/12	20.0	1642874448.0			82143722.4	Y



Calibration / gamma-BHC (Lindane)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

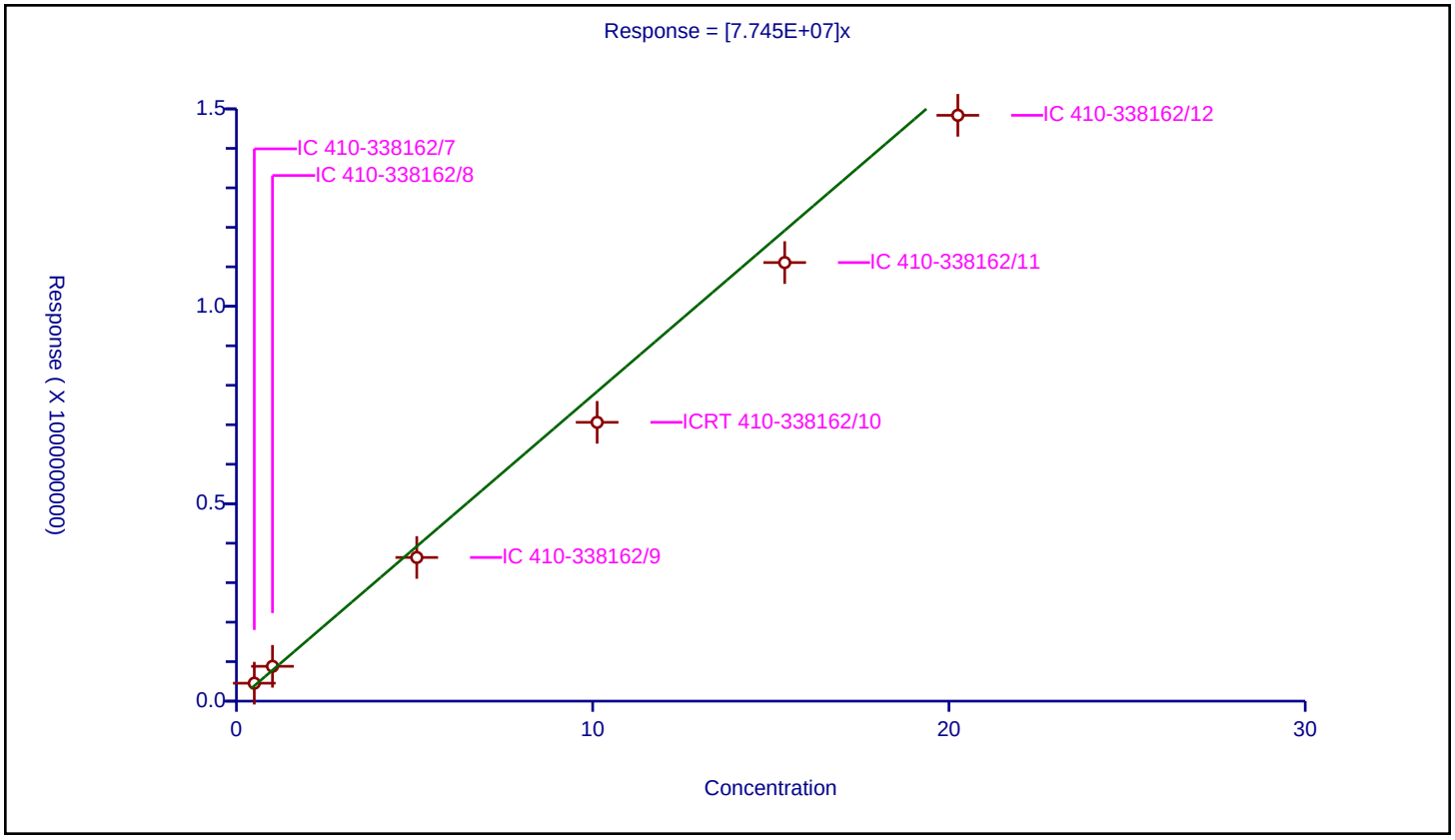
Curve Coefficients

Intercept:	0
Slope:	7.745E+07

Error Coefficients

Standard Error:	64400000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	45458061.0			90517843.48865	Y
2	IC 410-338162/8	1.0125	88181191.0			87092534.320988	Y
3	IC 410-338162/9	5.0625	363900980.0			71881675.061728	Y
4	ICRT 410-338162/10	10.125	706178241.0			69745999.111111	Y
5	IC 410-338162/11	15.39	1110747410.0			72173320.987654	Y
6	IC 410-338162/12	20.25	1483749441.0			73271577.333333	Y



Calibration / beta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

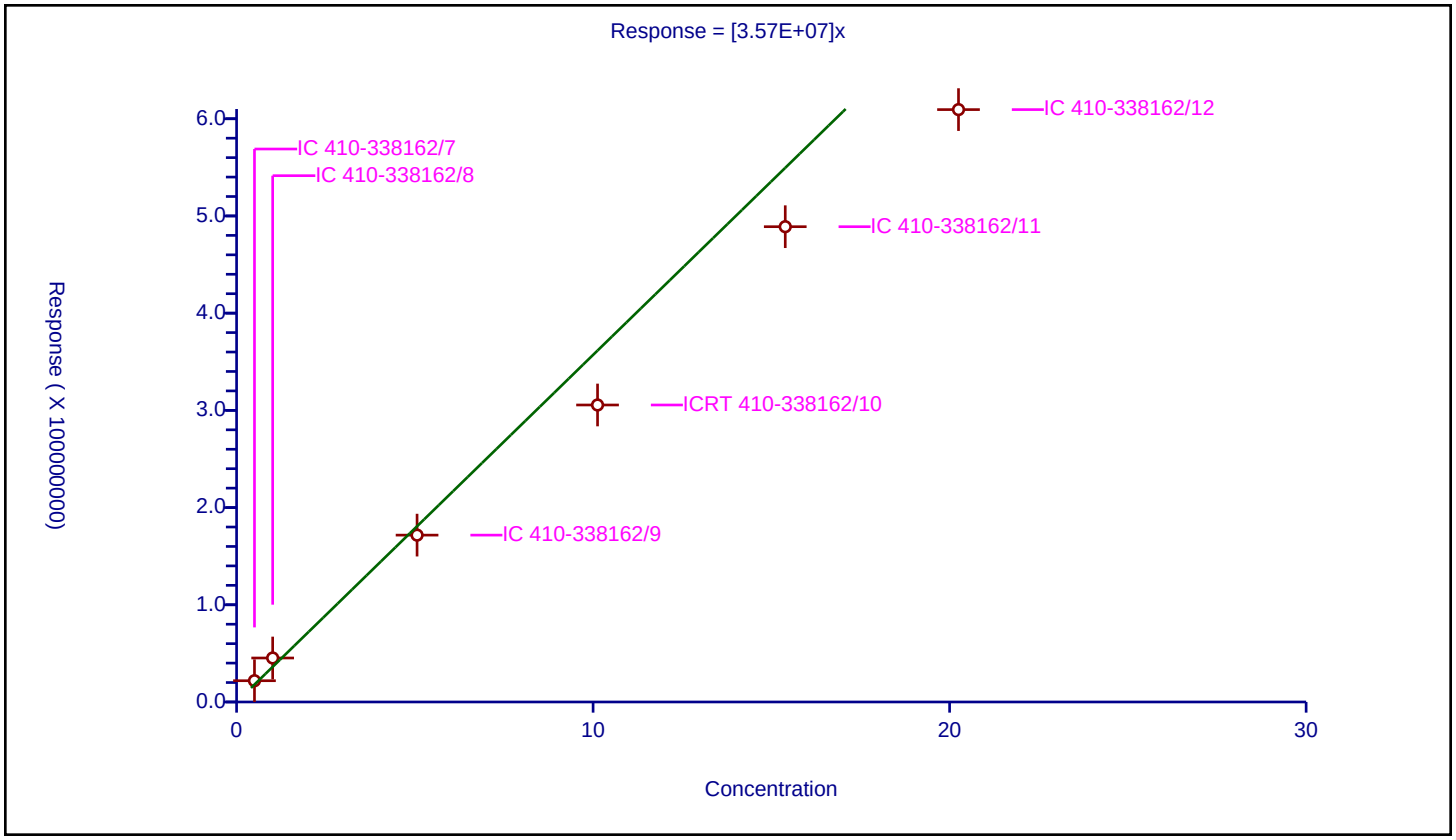
Curve Coefficients

Intercept:	0
Slope:	3.57E+07

Error Coefficients

Standard Error:	63100000
Relative Standard Error:	18.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.940

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	21889042.0			43586304.261251	Y
2	IC 410-338162/8	1.0125	45252233.0			44693563.45679	Y
3	IC 410-338162/9	5.0625	171665685.0			33909271.111111	Y
4	ICRT 410-338162/10	10.125	305534806.0			30176277.135803	Y
5	IC 410-338162/11	15.39	488934652.0			31769633.008447	Y
6	IC 410-338162/12	20.25	609385957.0			30093133.679012	Y



Calibration / Heptachlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

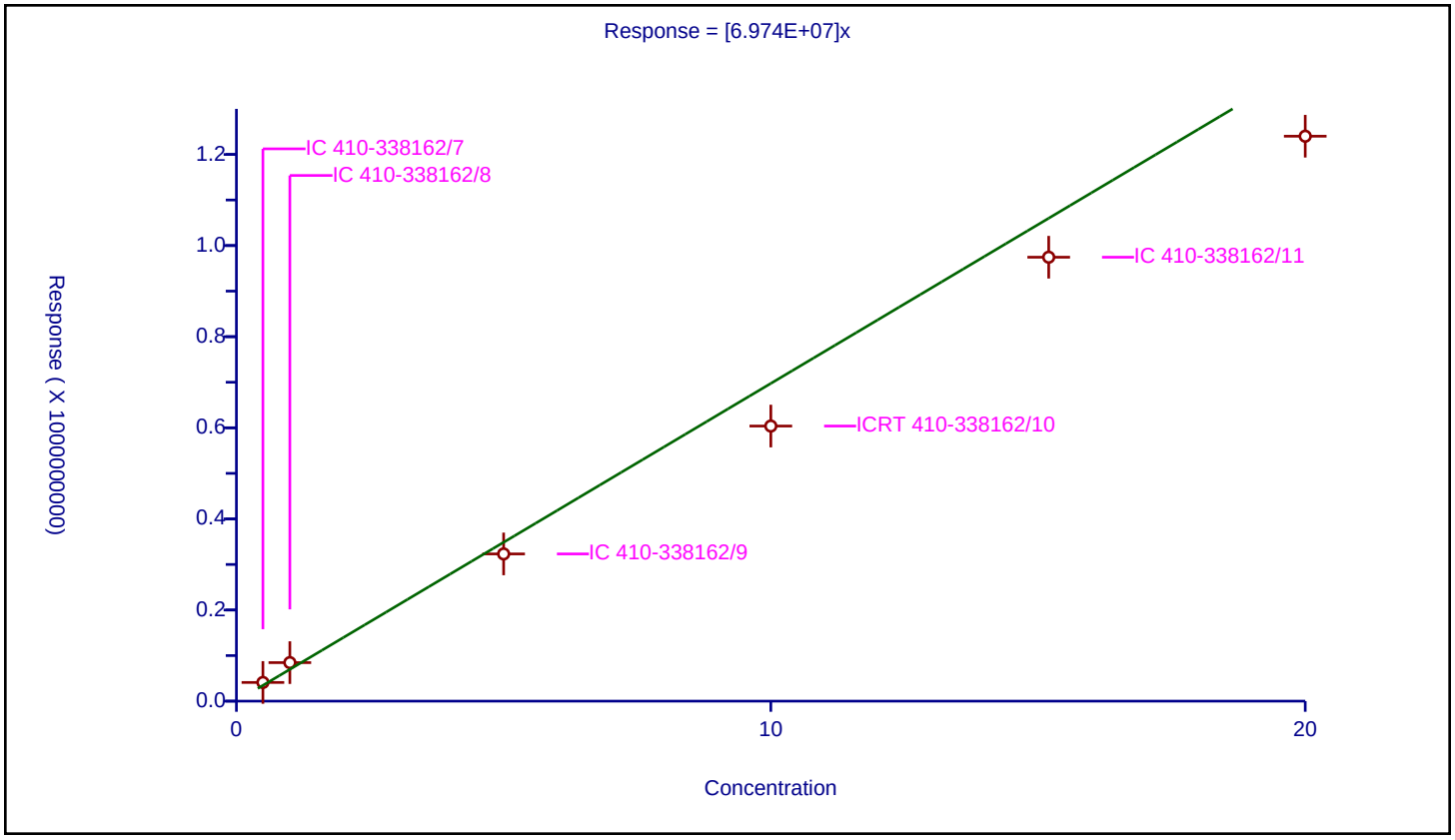
Curve Coefficients

Intercept:	0
Slope:	6.974E+07

Error Coefficients

Standard Error:	90500000
Relative Standard Error:	15.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.496	41018915.0			82699425.403226	Y
2	IC 410-338162/8	1.0	84593661.0			84593661.0	Y
3	IC 410-338162/9	5.0	323150577.0			64630115.4	Y
4	ICRT 410-338162/10	10.0	603807028.0			60380702.8	Y
5	IC 410-338162/11	15.2	974438978.0			64107827.5	Y
6	IC 410-338162/12	20.0	1240038214.0			62001910.7	Y



Calibration / delta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

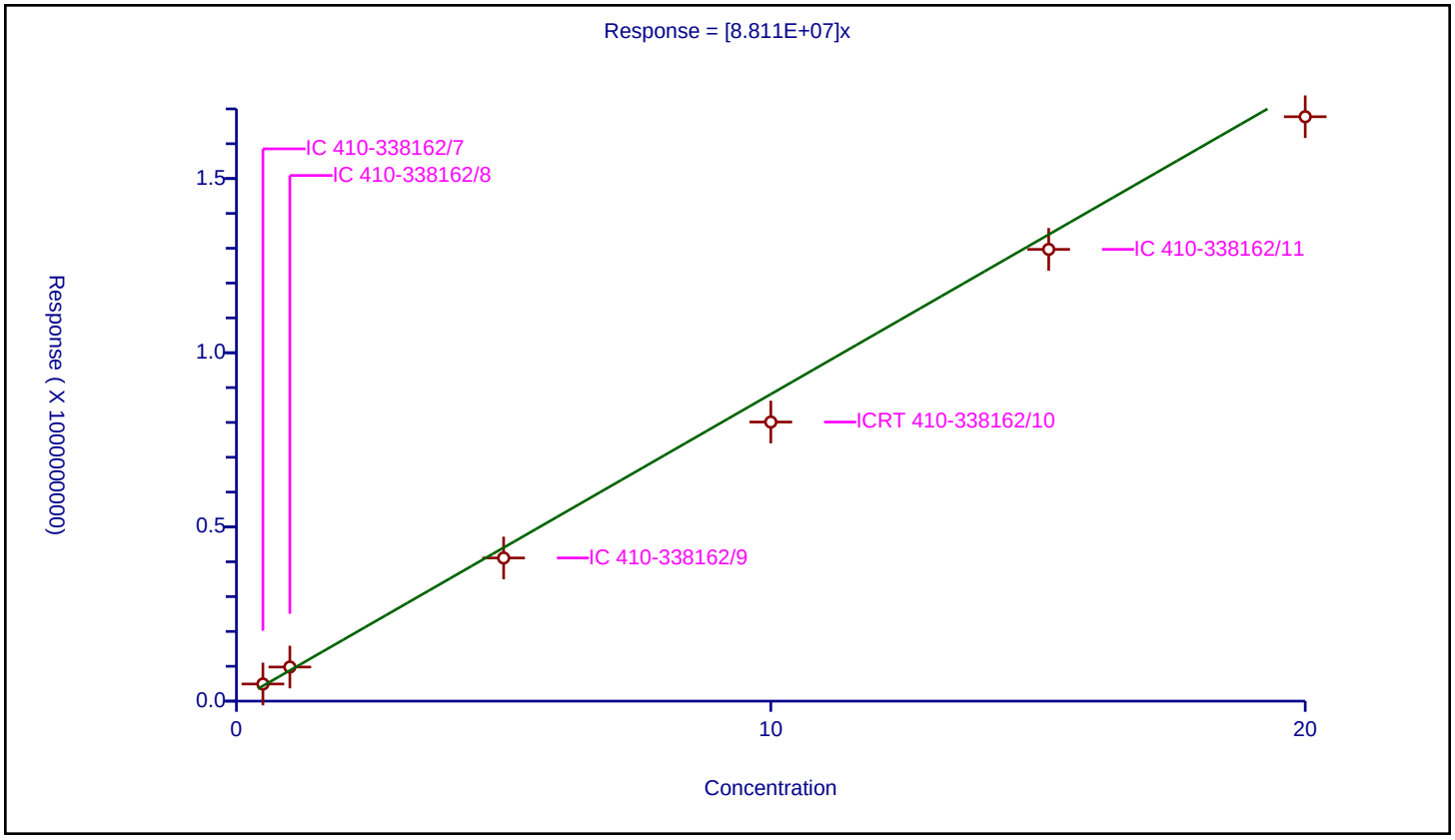
Curve Coefficients

Intercept:	0
Slope:	8.811E+07

Error Coefficients

Standard Error:	57200000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.496	49231076.0			99256201.612903	Y
2	IC 410-338162/8	1.0	97906118.0			97906118.0	Y
3	IC 410-338162/9	5.0	410939929.0			82187985.8	Y
4	ICRT 410-338162/10	10.0	801187053.0			80118705.3	Y
5	IC 410-338162/11	15.2	1296788713.0			85315046.907895	Y
6	IC 410-338162/12	20.0	1677508126.0			83875406.3	Y



Calibration / Aldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

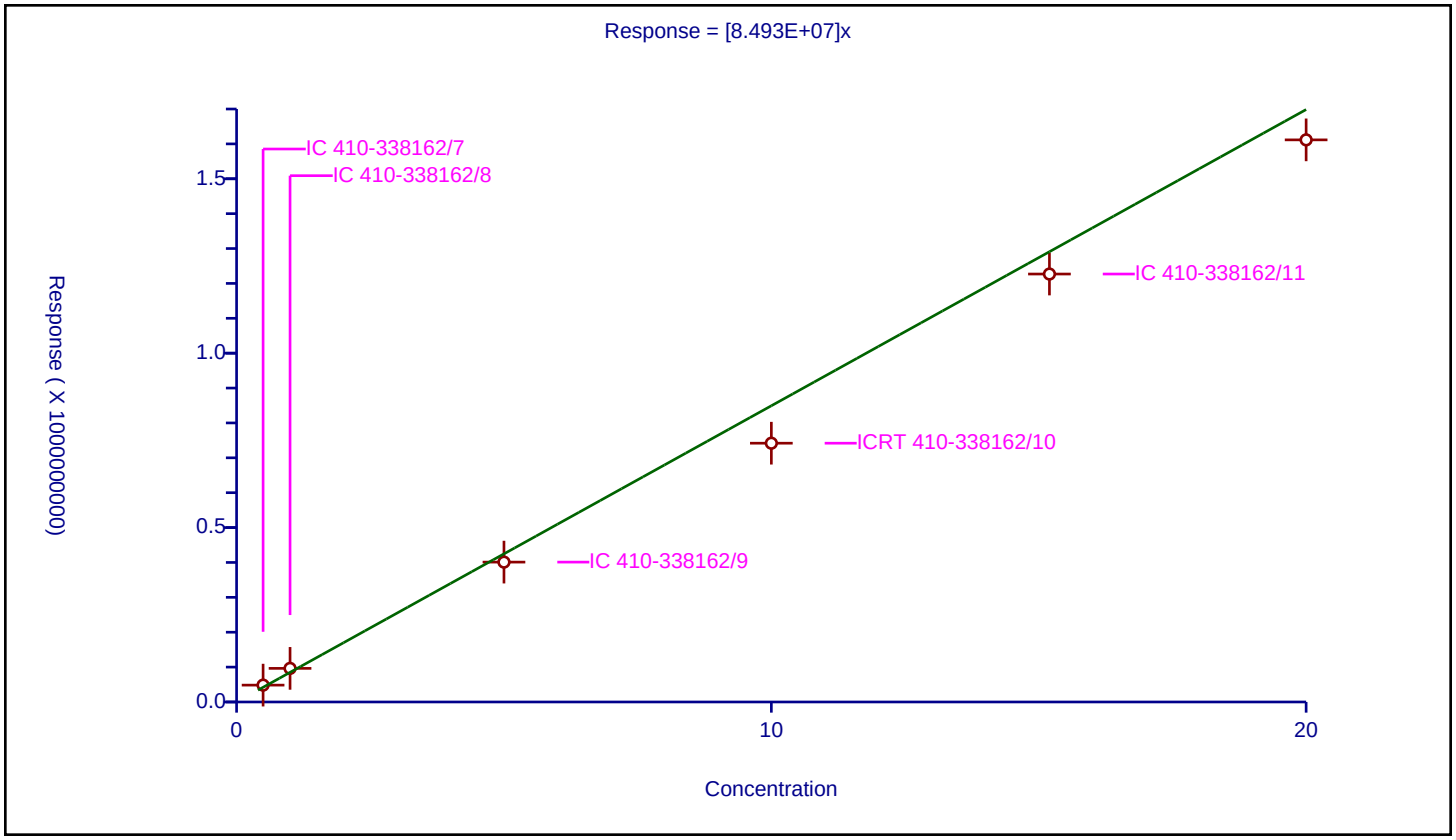
Curve Coefficients

Intercept:	0
Slope:	8.493E+07

Error Coefficients

Standard Error:	69100000
Relative Standard Error:	11.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.496	48374502.0			97529237.903226	Y
2	IC 410-338162/8	1.0	96333102.0			96333102.0	Y
3	IC 410-338162/9	5.0	400986351.0			80197270.2	Y
4	ICRT 410-338162/10	10.0	741946690.0			74194669.0	Y
5	IC 410-338162/11	15.2	1226916829.0			80718212.434211	Y
6	IC 410-338162/12	20.0	1611555191.0			80577759.55	Y



Calibration / Heptachlor epoxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

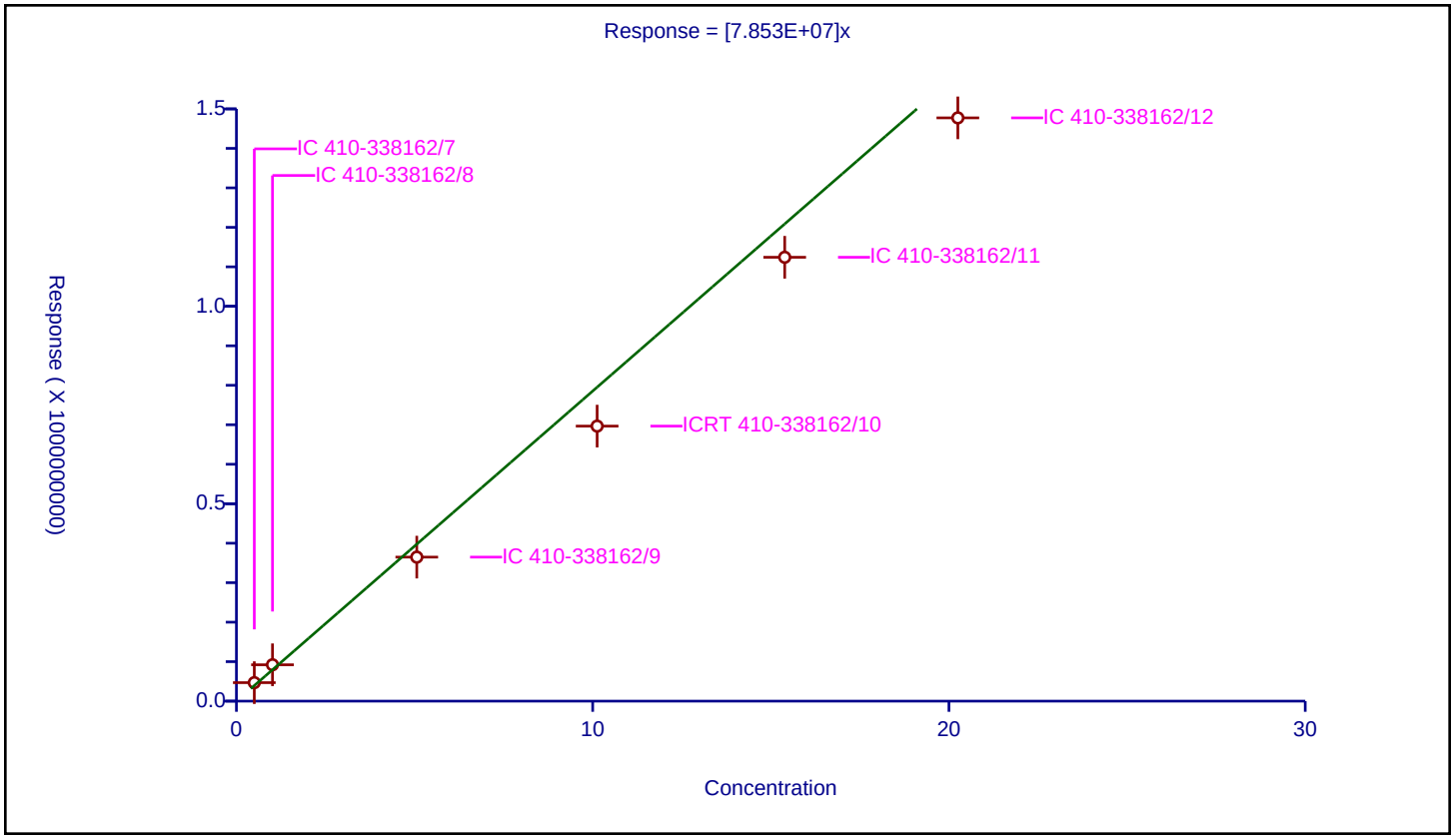
Curve Coefficients

Intercept:	0
Slope:	7.853E+07

Error Coefficients

Standard Error:	78600000
Relative Standard Error:	13.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	46873263.0			93335848.267623	Y
2	IC 410-338162/8	1.0125	92142180.0			91004622.222222	Y
3	IC 410-338162/9	5.0625	364763897.0			72052127.802469	Y
4	ICRT 410-338162/10	10.125	696562507.0			68796296.987654	Y
5	IC 410-338162/11	15.39	1124184344.0			73046416.11436	Y
6	IC 410-338162/12	20.25	1477241221.0			72950183.753086	Y



Calibration / trans-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

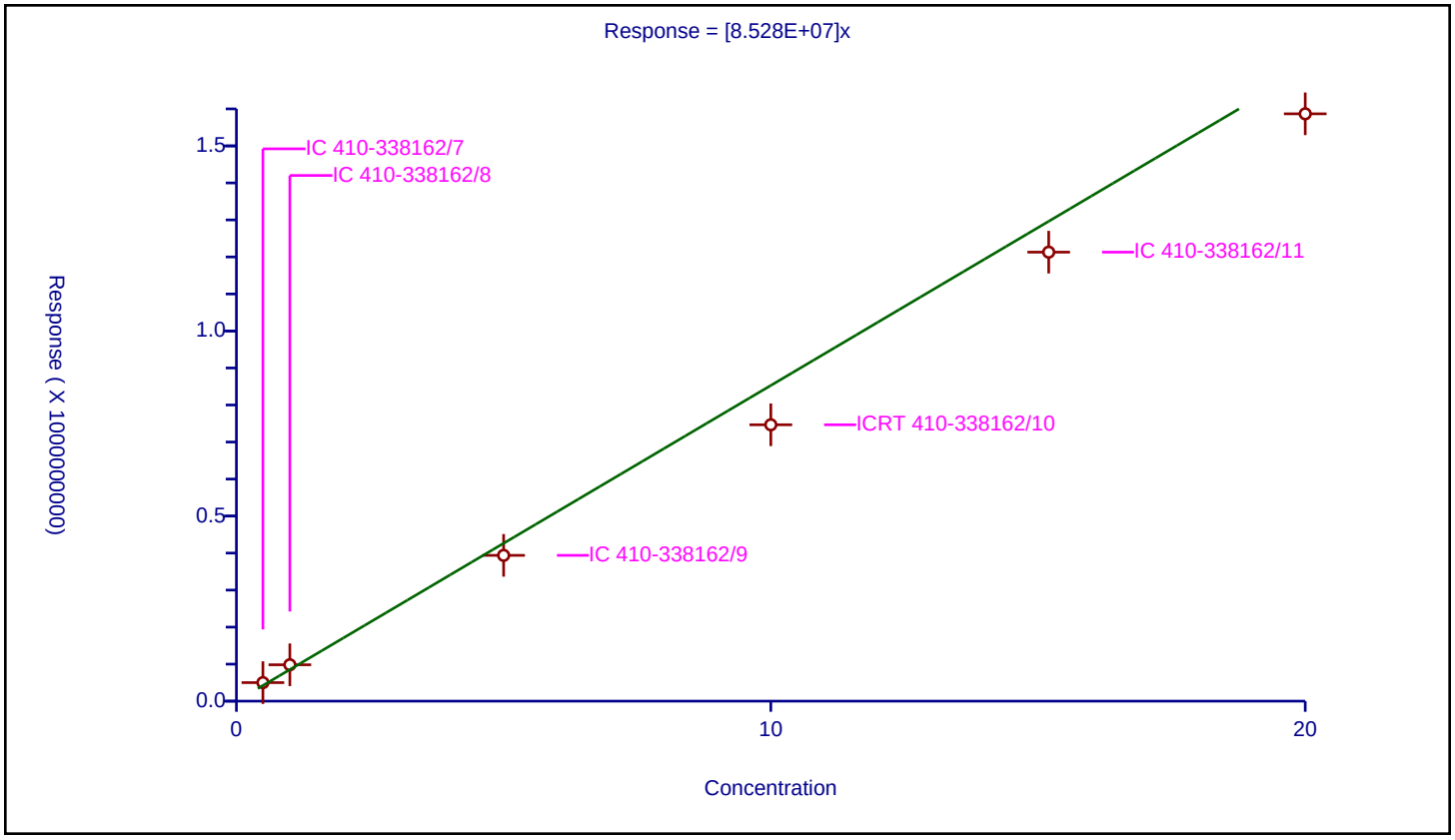
Curve Coefficients

Intercept:	0
Slope:	8.528E+07

Error Coefficients

Standard Error:	82100000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.496	50046742.0			100900689.516129	Y
2	IC 410-338162/8	1.0	98235847.0			98235847.0	Y
3	IC 410-338162/9	5.0	393821494.0			78764298.8	Y
4	ICRT 410-338162/10	10.0	746642284.0			74664228.4	Y
5	IC 410-338162/11	15.2	1212987092.0			79801782.368421	Y
6	IC 410-338162/12	20.0	1586671598.0			79333579.9	Y



Calibration / cis-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

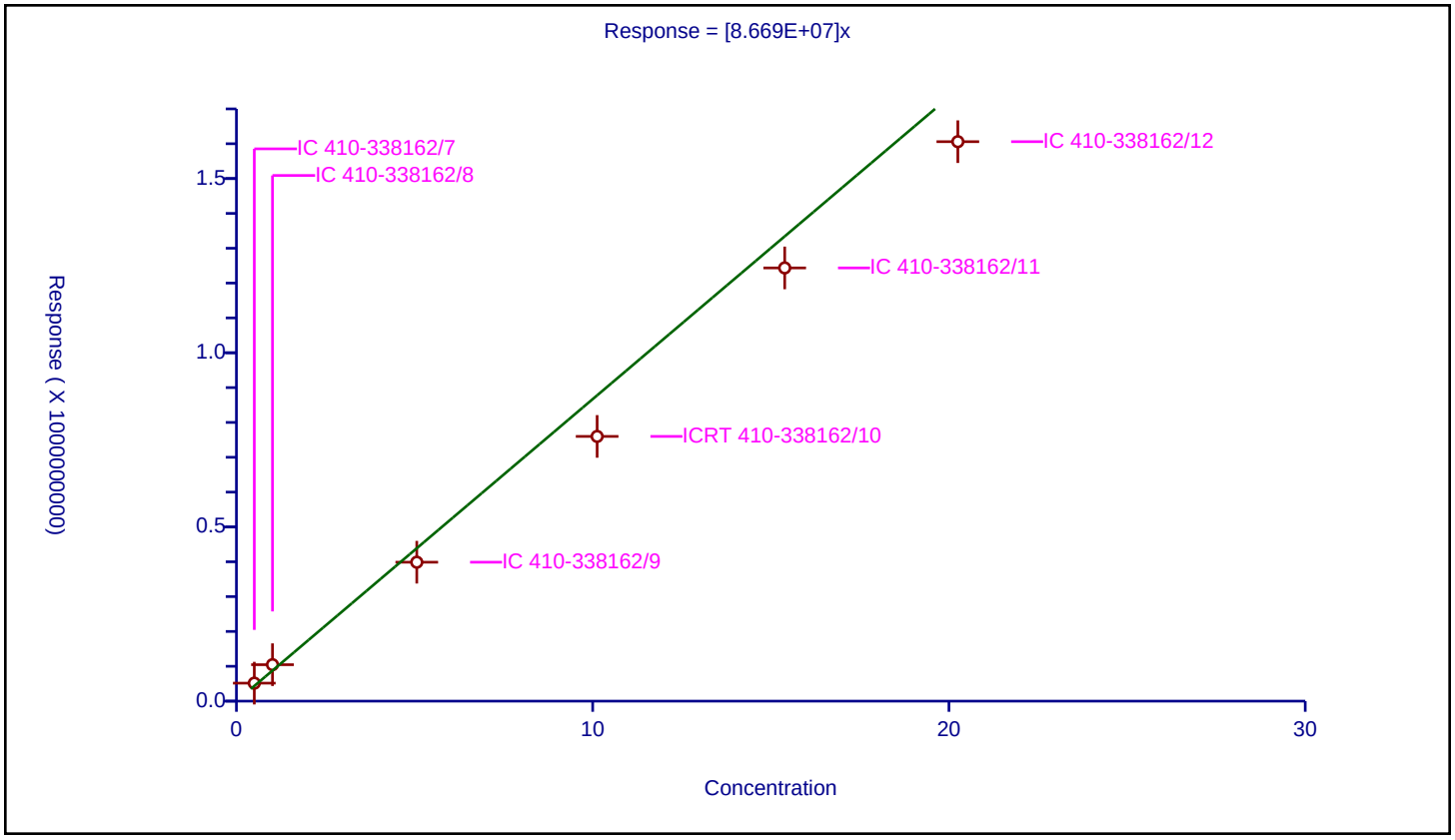
Curve Coefficients

Intercept:	0
Slope:	8.669E+07

Error Coefficients

Standard Error:	96300000
Relative Standard Error:	14.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	51640064.0			102827686.180804	Y
2	IC 410-338162/8	1.0125	104645748.0			103353825.185185	Y
3	IC 410-338162/9	5.0625	398808710.0			78777029.135803	Y
4	ICRT 410-338162/10	10.125	759859052.0			75047807.604938	Y
5	IC 410-338162/11	15.39	1243547804.0			80802326.445744	Y
6	IC 410-338162/12	20.25	1605912663.0			79304329.037037	Y



Calibration / Endosulfan I

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

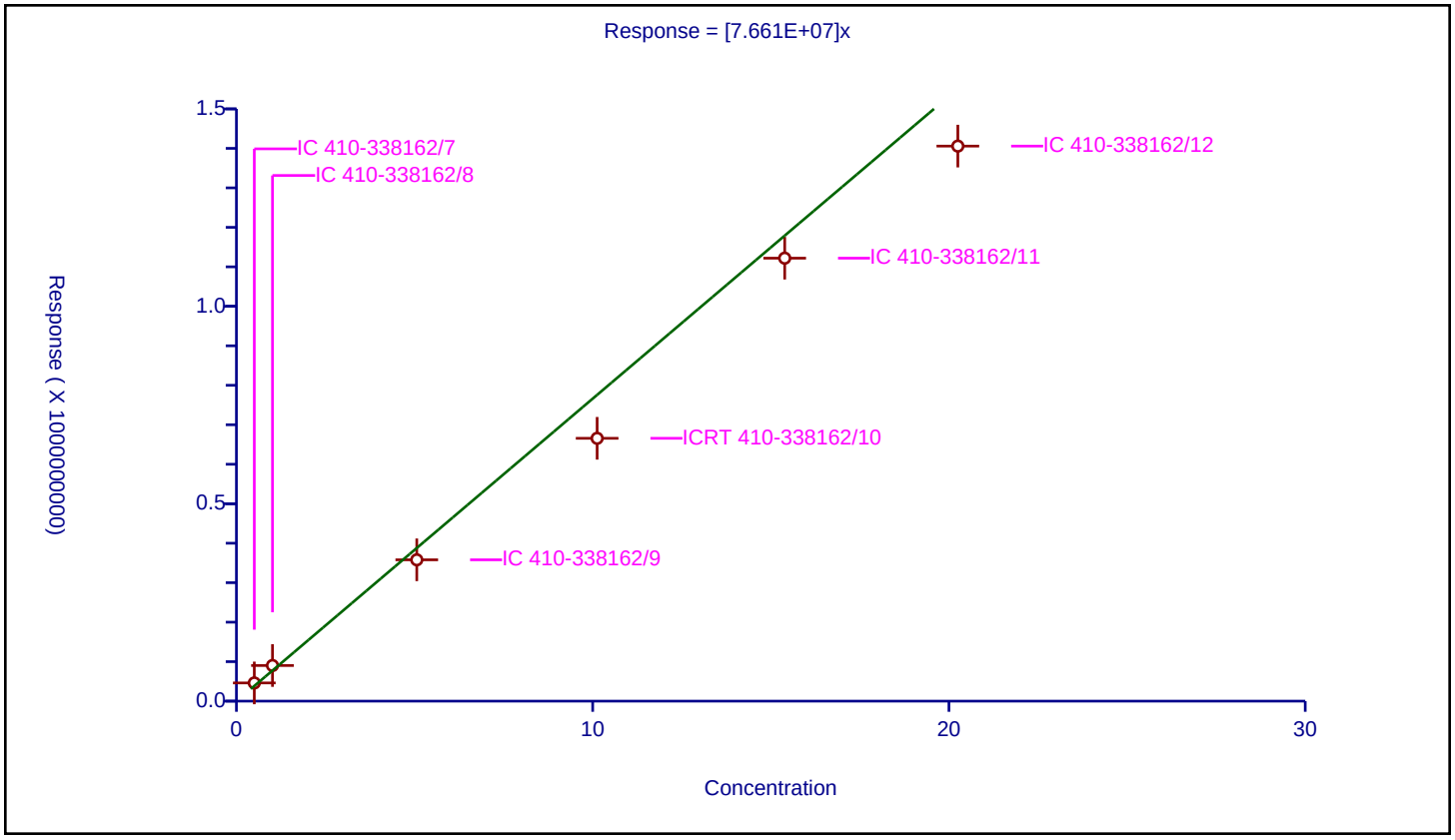
Curve Coefficients

Intercept:	0
Slope:	7.661E+07

Error Coefficients

Standard Error:	86700000
Relative Standard Error:	14.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	46089949.0			91776083.233771	Y
2	IC 410-338162/8	1.0125	90199207.0			89085636.54321	Y
3	IC 410-338162/9	5.0625	357945583.0			70705300.345679	Y
4	ICRT 410-338162/10	10.125	665664105.0			65744602.962963	Y
5	IC 410-338162/11	15.39	1121937339.0			72900411.890838	Y
6	IC 410-338162/12	20.25	1405762731.0			69420381.777778	Y



Calibration / 4,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

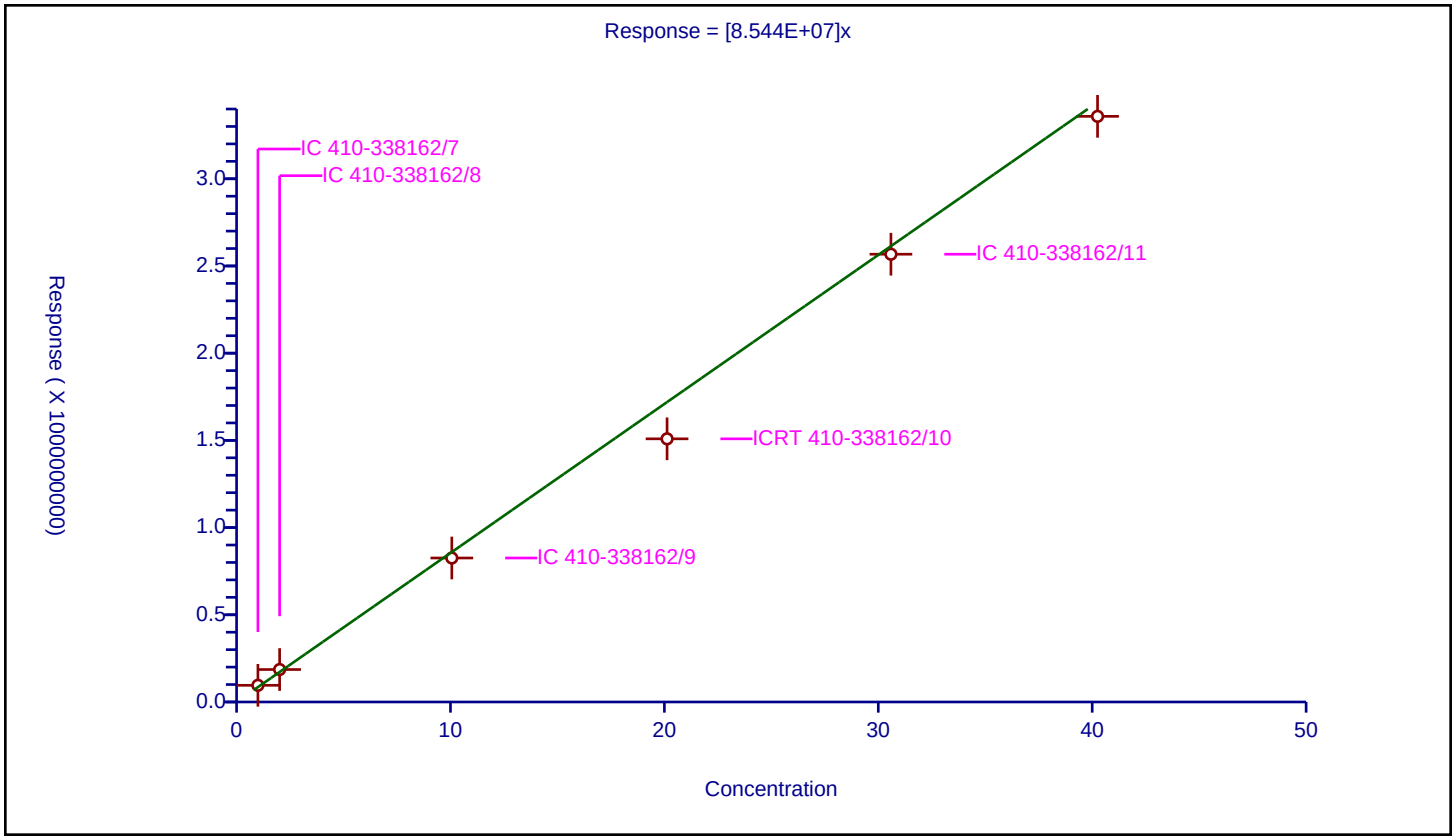
Curve Coefficients

Intercept:	0
Slope:	8.544E+07

Error Coefficients

Standard Error:	104000000
Relative Standard Error:	8.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.9982	95599117.0			95771505.710279	Y
2	IC 410-338162/8	2.0125	186161227.0			92502473.043478	Y
3	IC 410-338162/9	10.0625	825595094.0			82046717.416149	Y
4	ICRT 410-338162/10	20.125	1508980542.0			74980399.602485	Y
5	IC 410-338162/11	30.59	2567483711.0			83932125.237006	Y
6	IC 410-338162/12	40.25	3357927849.0			83426778.857143	Y



Calibration / Dieldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

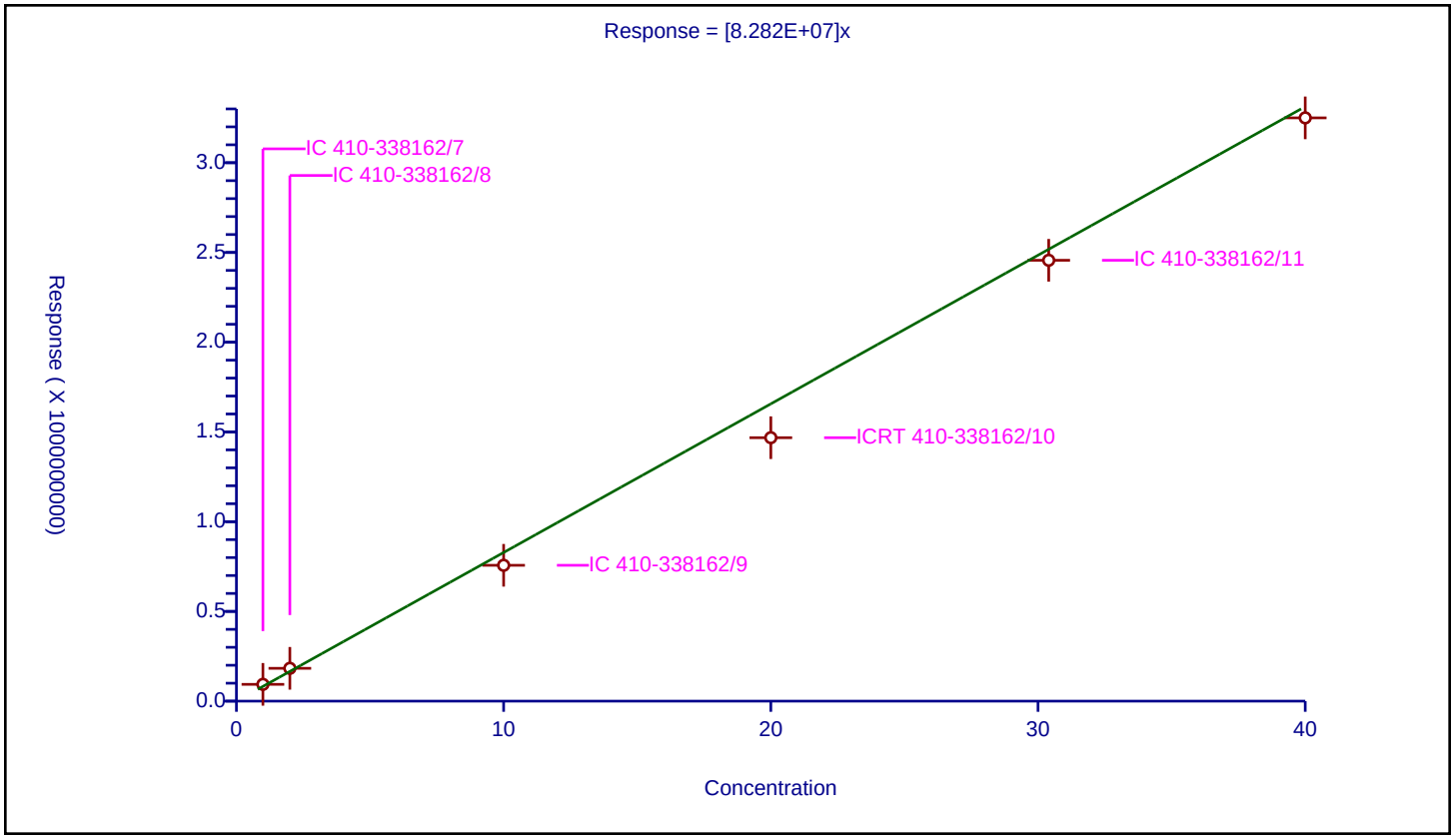
Curve Coefficients

Intercept:	0
Slope:	8.282E+07

Error Coefficients

Standard Error:	98700000
Relative Standard Error:	10.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	93537586.0			94291921.370968	Y
2	IC 410-338162/8	2.0	182968025.0			91484012.5	Y
3	IC 410-338162/9	10.0	756869587.0			75686958.7	Y
4	ICRT 410-338162/10	20.0	1467980034.0			73399001.7	Y
5	IC 410-338162/11	30.4	2456395262.0			80802475.723684	Y
6	IC 410-338162/12	40.0	3249953417.0			81248835.425	Y



Calibration / Endrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

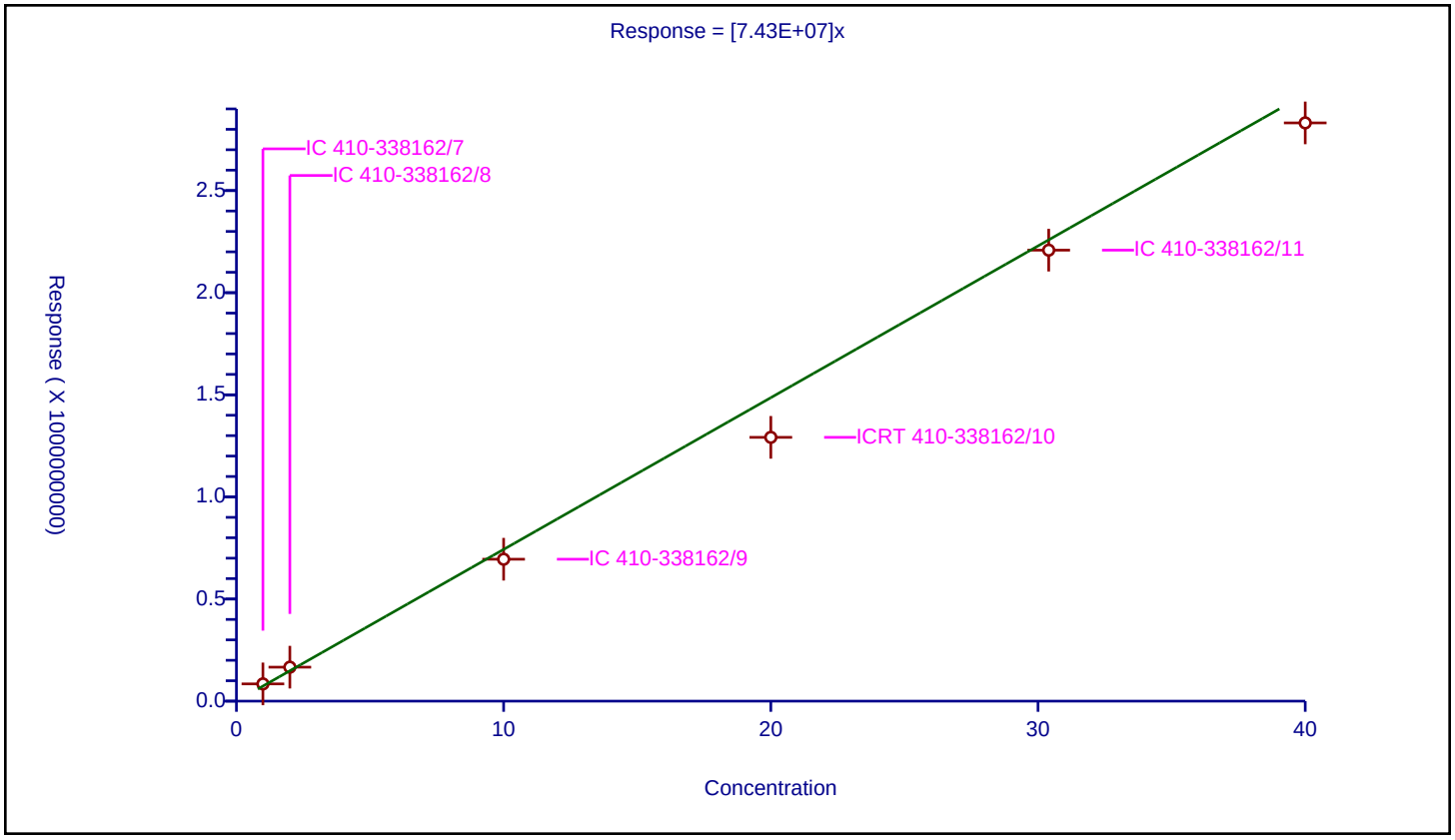
Curve Coefficients

Intercept:	0
Slope:	7.43E+07

Error Coefficients

Standard Error:	112000000
Relative Standard Error:	10.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	84415305.0			85096073.58871	Y
2	IC 410-338162/8	2.0	166353260.0			83176630.0	Y
3	IC 410-338162/9	10.0	694887296.0			69488729.6	Y
4	ICRT 410-338162/10	20.0	1291770939.0			64588546.95	Y
5	IC 410-338162/11	30.4	2208268488.0			72640410.789474	Y
6	IC 410-338162/12	40.0	2831353821.0			70783845.525	Y



Calibration / 4,4'-DDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

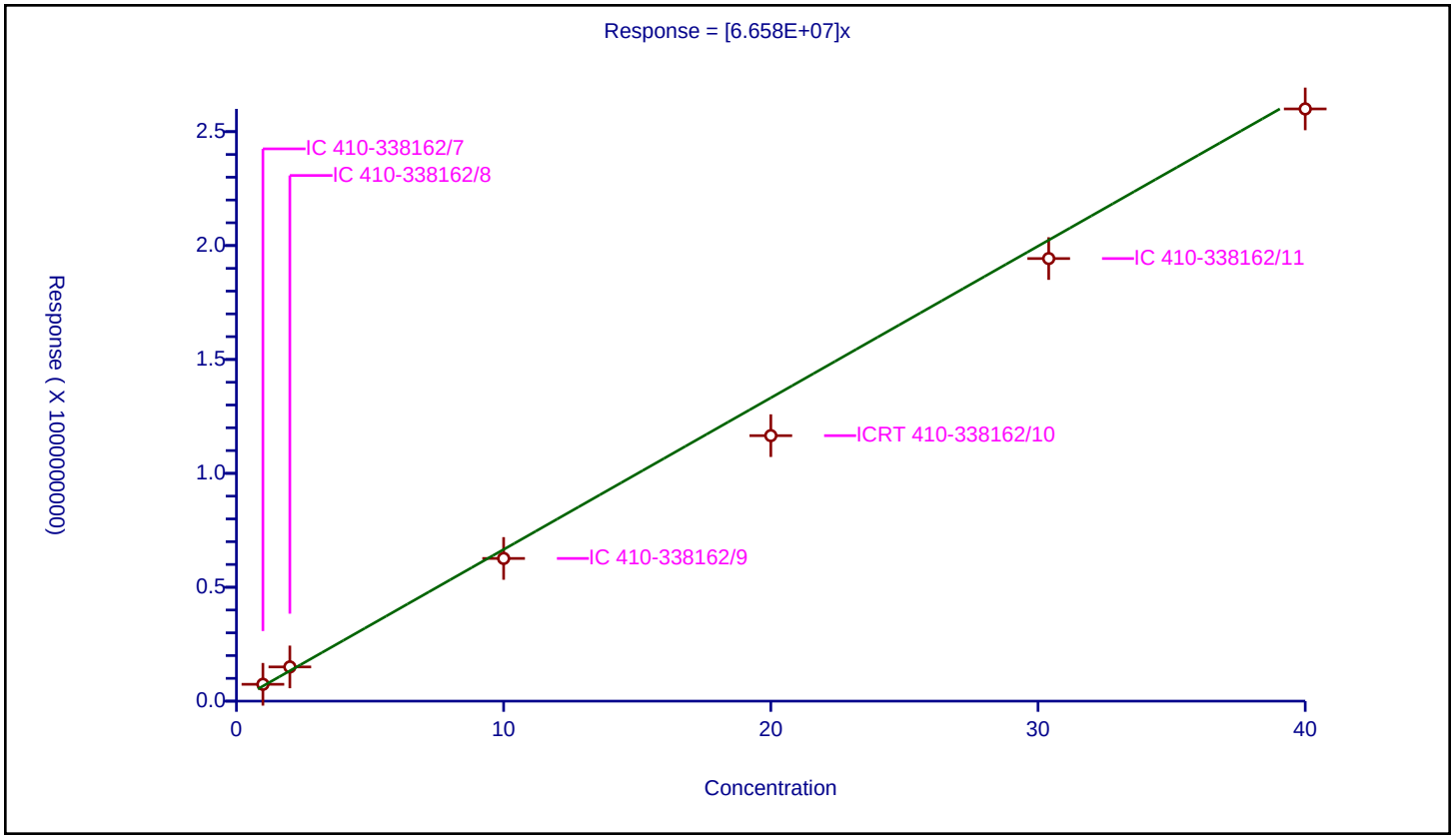
Curve Coefficients

Intercept:	0
Slope:	6.658E+07

Error Coefficients

Standard Error:	89500000
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 410-338162/7	0.992	73931803.0			74528027.217742	Y
2	IC 410-338162/8	2.0	150231678.0			75115839.0	Y
3	IC 410-338162/9	10.0	626372011.0			62637201.1	Y
4	ICRT 410-338162/10	20.0	1165597149.0			58279857.45	Y
5	IC 410-338162/11	30.4	1943053825.0			63916244.243421	Y
6	IC 410-338162/12	40.0	2599939807.0			64998495.175	Y



Calibration / Endosulfan II

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

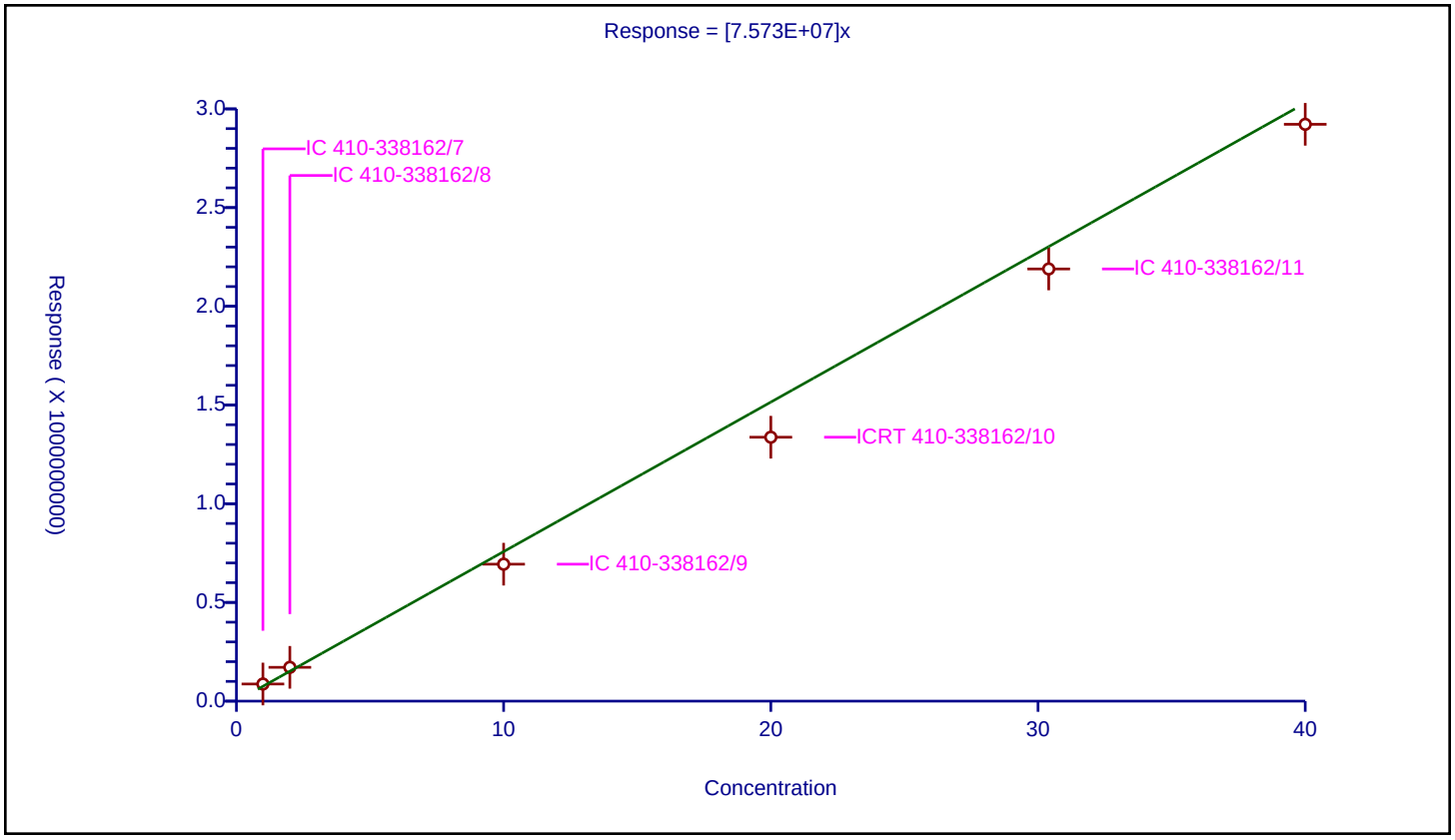
Curve Coefficients

Intercept:	0
Slope:	7.573E+07

Error Coefficients

Standard Error:	110000000
Relative Standard Error:	11.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	86780025.0			87479863.91129	Y
2	IC 410-338162/8	2.0	171272459.0			85636229.5	Y
3	IC 410-338162/9	10.0	693850115.0			69385011.5	Y
4	ICRT 410-338162/10	20.0	1336948863.0			66847443.15	Y
5	IC 410-338162/11	30.4	2189179305.0			72012477.138158	Y
6	IC 410-338162/12	40.0	2921881321.0			73047033.025	Y



Calibration / 4,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

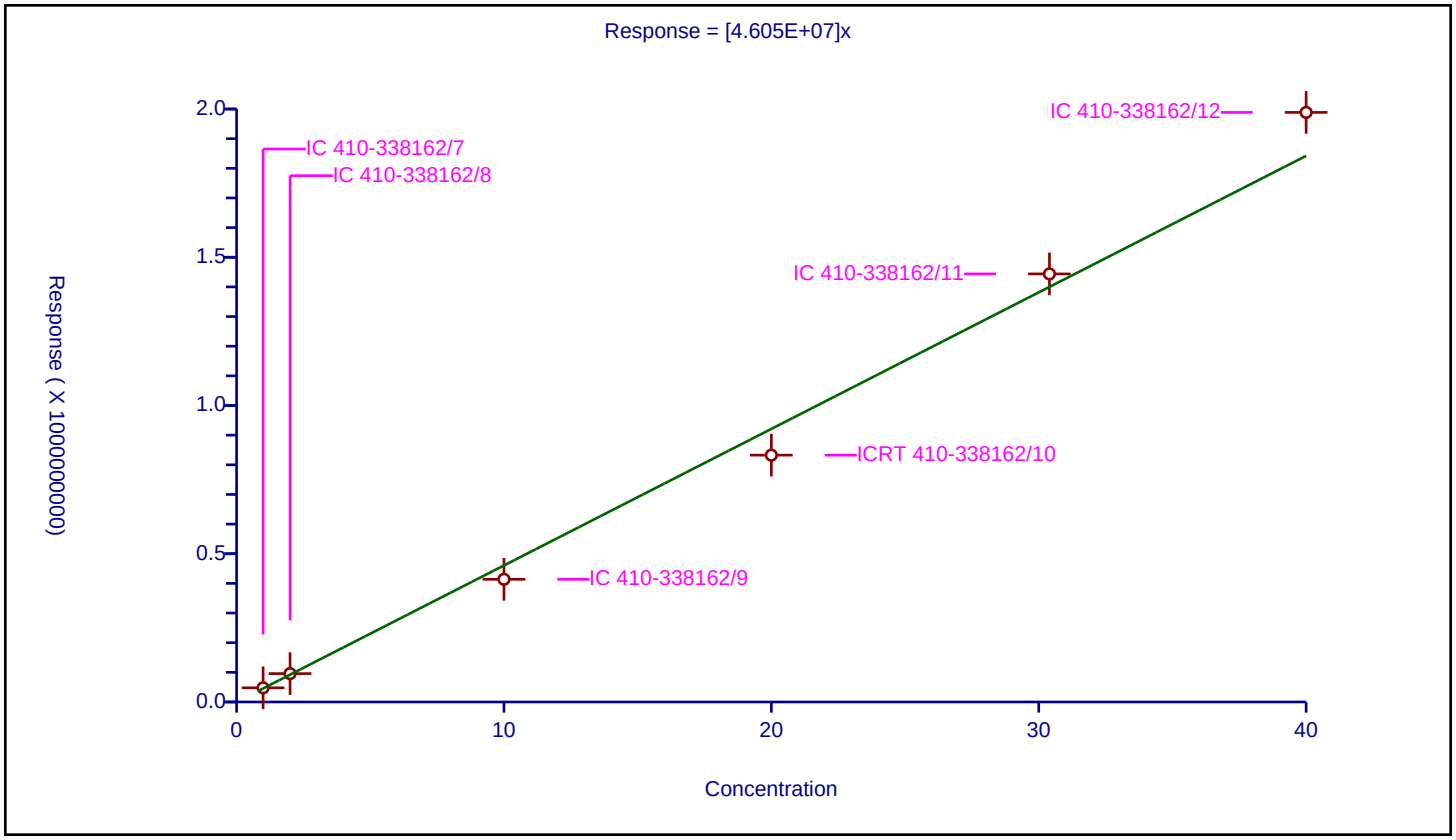
Curve Coefficients

Intercept:	0
Slope:	4.605E+07

Error Coefficients

Standard Error:	81800000
Relative Standard Error:	7.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	47810394.0			48195961.693548	Y
2	IC 410-338162/8	2.0	95777442.0			47888721.0	Y
3	IC 410-338162/9	10.0	413793289.0			41379328.9	Y
4	ICRT 410-338162/10	20.0	832517087.0			41625854.35	Y
5	IC 410-338162/11	30.4	1443822946.0			47494175.855263	Y
6	IC 410-338162/12	40.0	1988541263.0			49713531.575	Y



Calibration / Endrin aldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

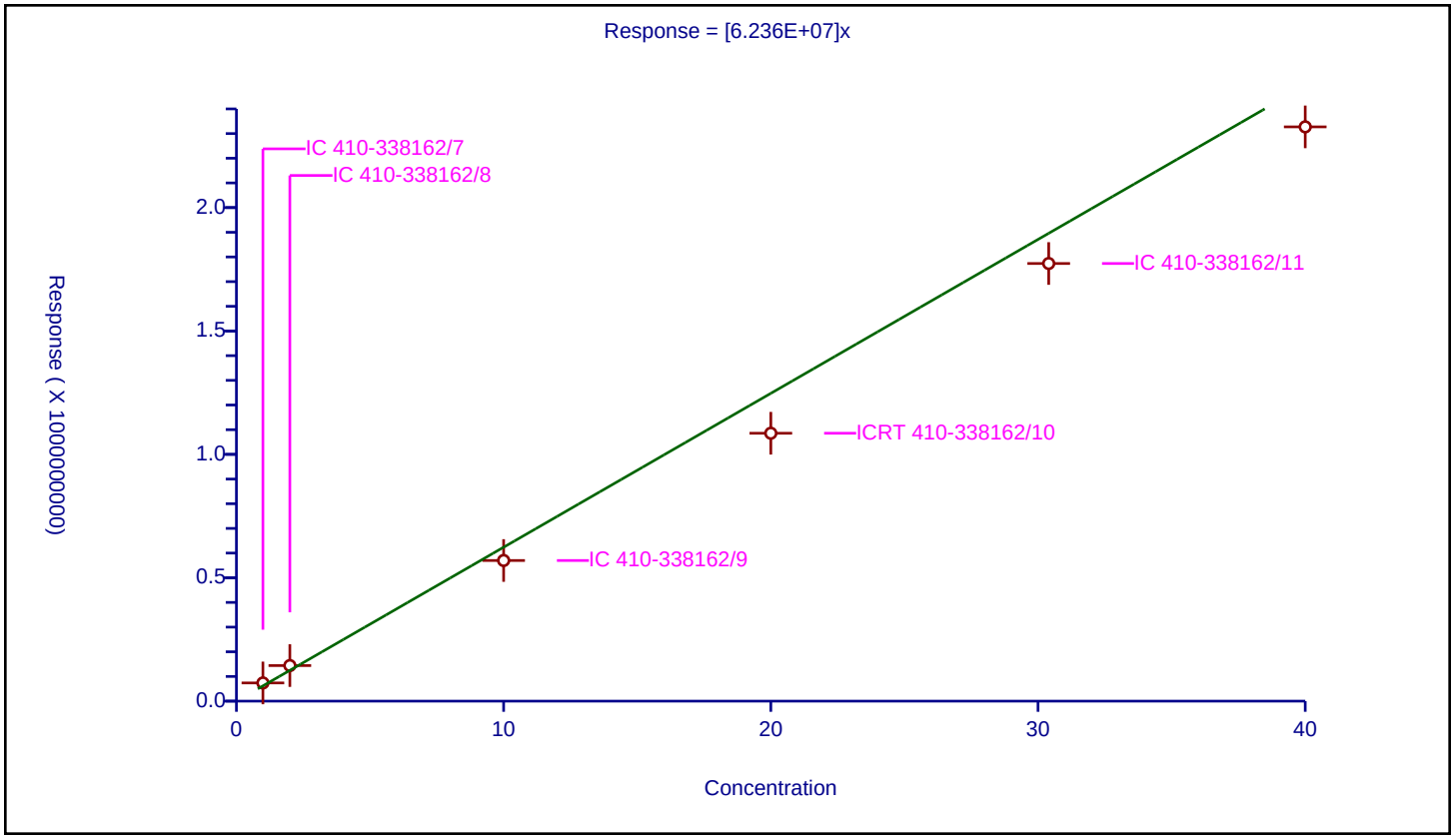
Curve Coefficients

Intercept:	0
Slope:	6.236E+07

Error Coefficients

Standard Error:	120000000
Relative Standard Error:	13.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	73742332.0			74337028.225806	Y
2	IC 410-338162/8	2.0	144104890.0			72052445.0	Y
3	IC 410-338162/9	10.0	569937534.0			56993753.4	Y
4	ICRT 410-338162/10	20.0	1085631305.0			54281565.25	Y
5	IC 410-338162/11	30.4	1773507337.0			58339057.138158	Y
6	IC 410-338162/12	40.0	2327155038.0			58178875.95	Y



Calibration / Endosulfan sulfate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

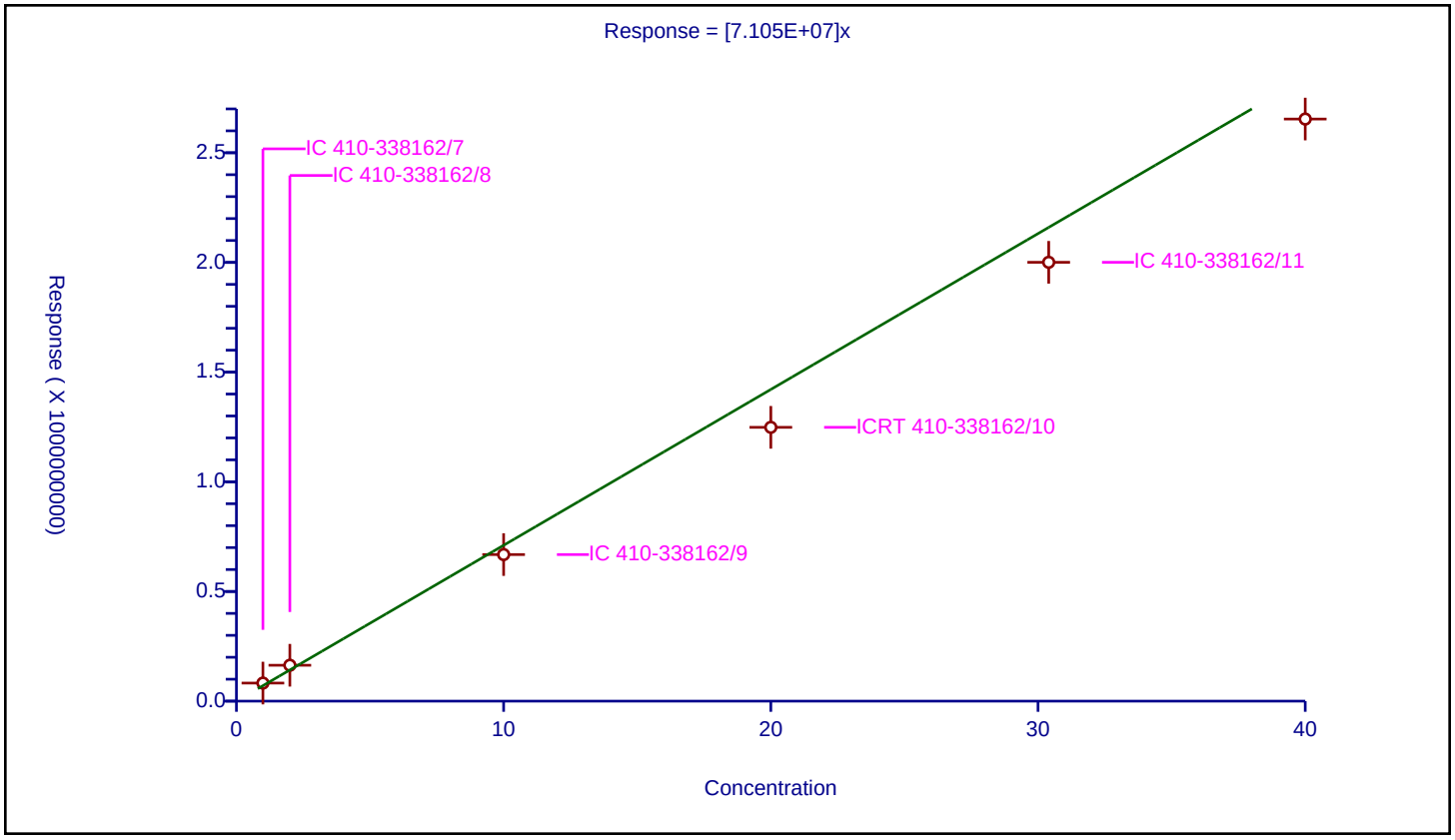
Curve Coefficients

Intercept:	0
Slope:	7.105E+07

Error Coefficients

Standard Error:	136000000
Relative Standard Error:	12.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	82407298.0			83071872.983871	Y
2	IC 410-338162/8	2.0	163621052.0			81810526.0	Y
3	IC 410-338162/9	10.0	668222420.0			66822242.0	Y
4	ICRT 410-338162/10	20.0	1248278692.0			62413934.6	Y
5	IC 410-338162/11	30.4	2000627279.0			65810107.861842	Y
6	IC 410-338162/12	40.0	2653773042.0			66344326.05	Y



Calibration / Methoxychlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

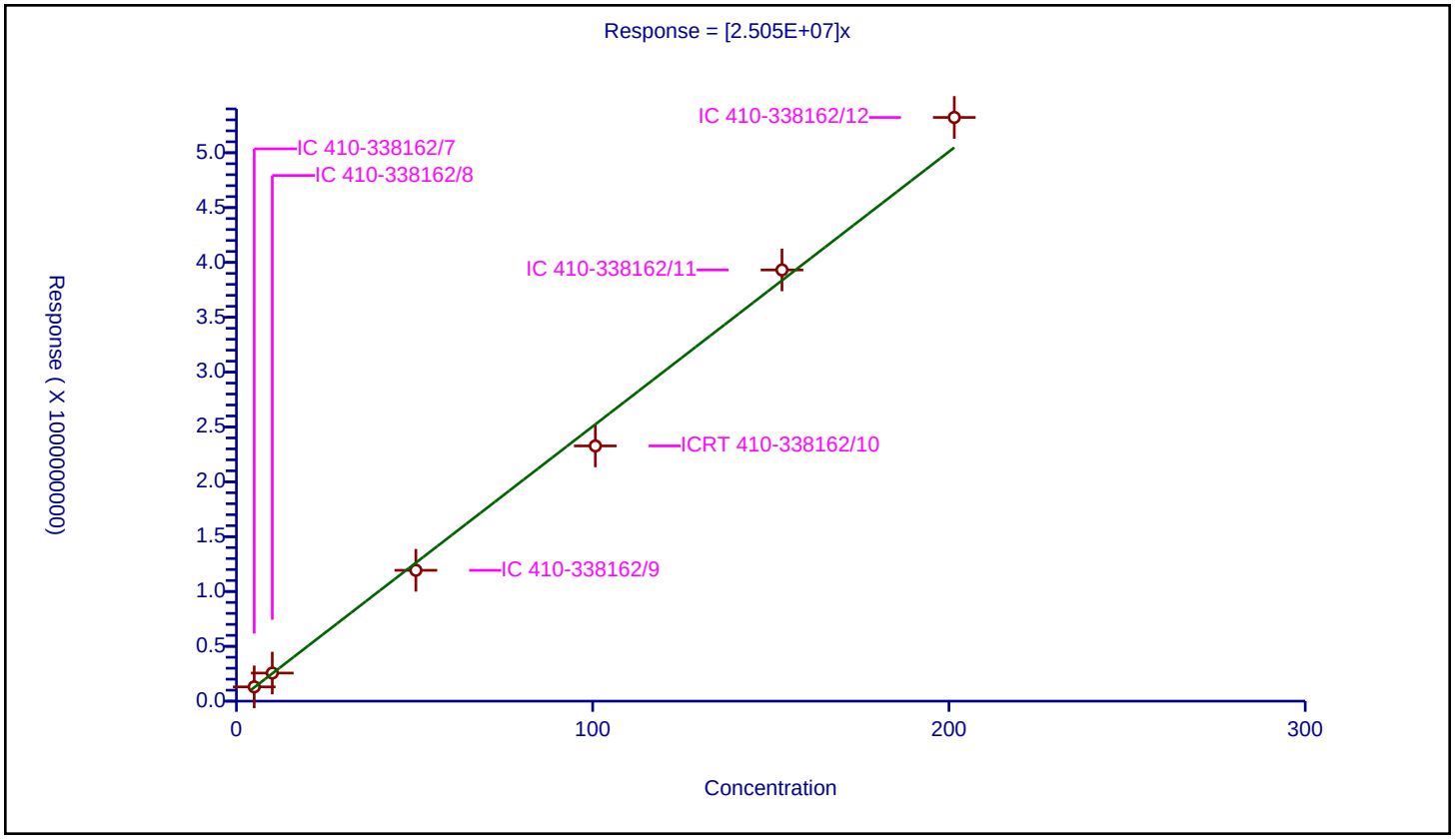
Curve Coefficients

Intercept:	0
Slope:	2.505E+07

Error Coefficients

Standard Error:	160000000
Relative Standard Error:	5.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	4.9972	130029450.0			26020461.458417	Y
2	IC 410-338162/8	10.075	256037178.0			25413119.404467	Y
3	IC 410-338162/9	50.375	1193047904.0			23683333.081886	Y
4	ICRT 410-338162/10	100.75	2326987499.0			23096650.114144	Y
5	IC 410-338162/11	153.14	3931590488.0			25673178.059292	Y
6	IC 410-338162/12	201.5	5322095200.0			26412383.126551	Y



Calibration / Endrin ketone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

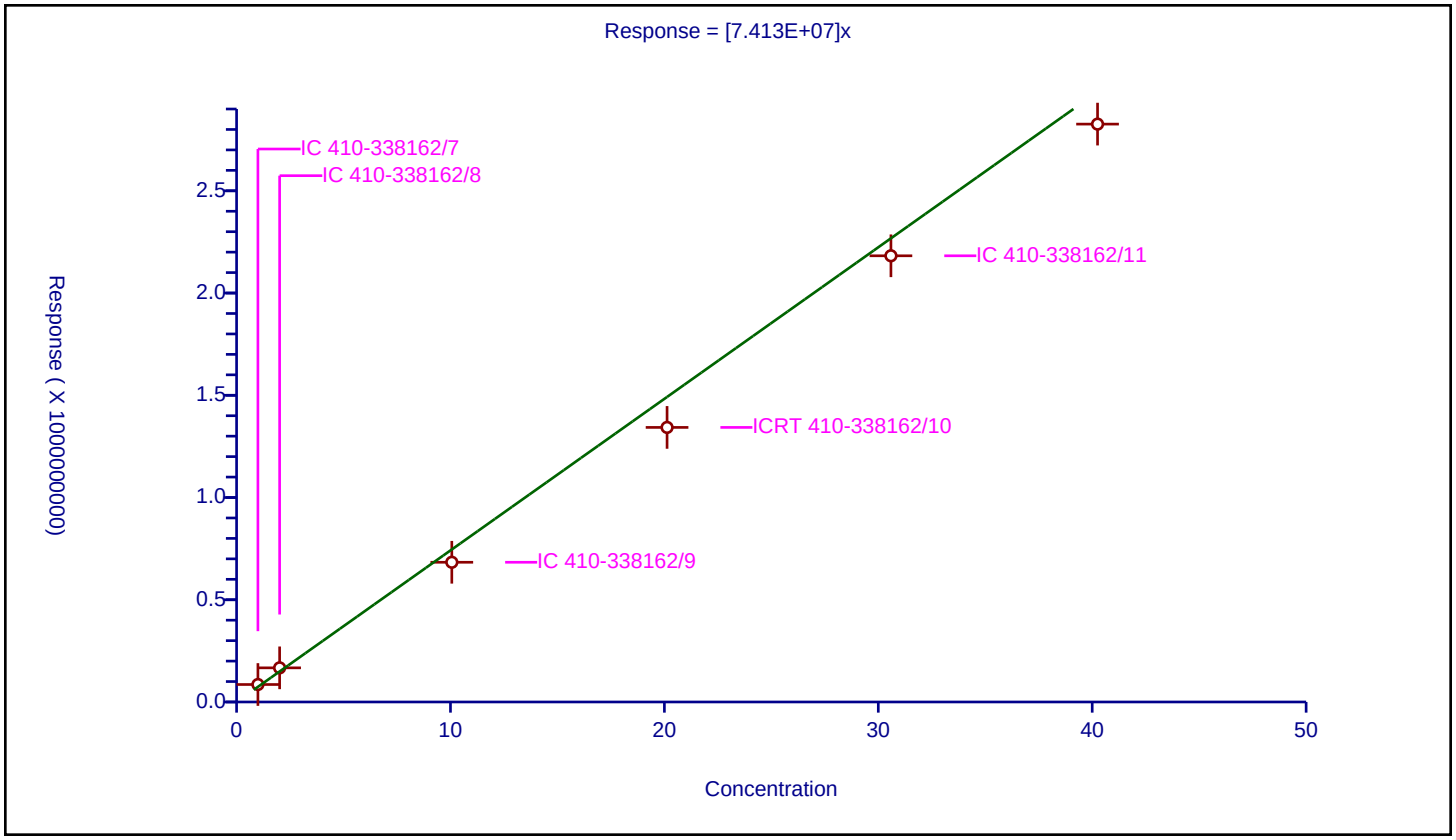
Curve Coefficients

Intercept:	0
Slope:	7.413E+07

Error Coefficients

Standard Error:	108000000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.9982	85469852.0			85623975.15528	Y
2	IC 410-338162/8	2.0125	166954110.0			82958563.975155	Y
3	IC 410-338162/9	10.0625	683296881.0			67905280.099379	Y
4	ICRT 410-338162/10	20.125	1342771727.0			66721576.496894	Y
5	IC 410-338162/11	30.59	2182243162.0			71338449.231775	Y
6	IC 410-338162/12	40.25	2826135483.0			70214546.161491	Y



Calibration / DCB Decachlorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

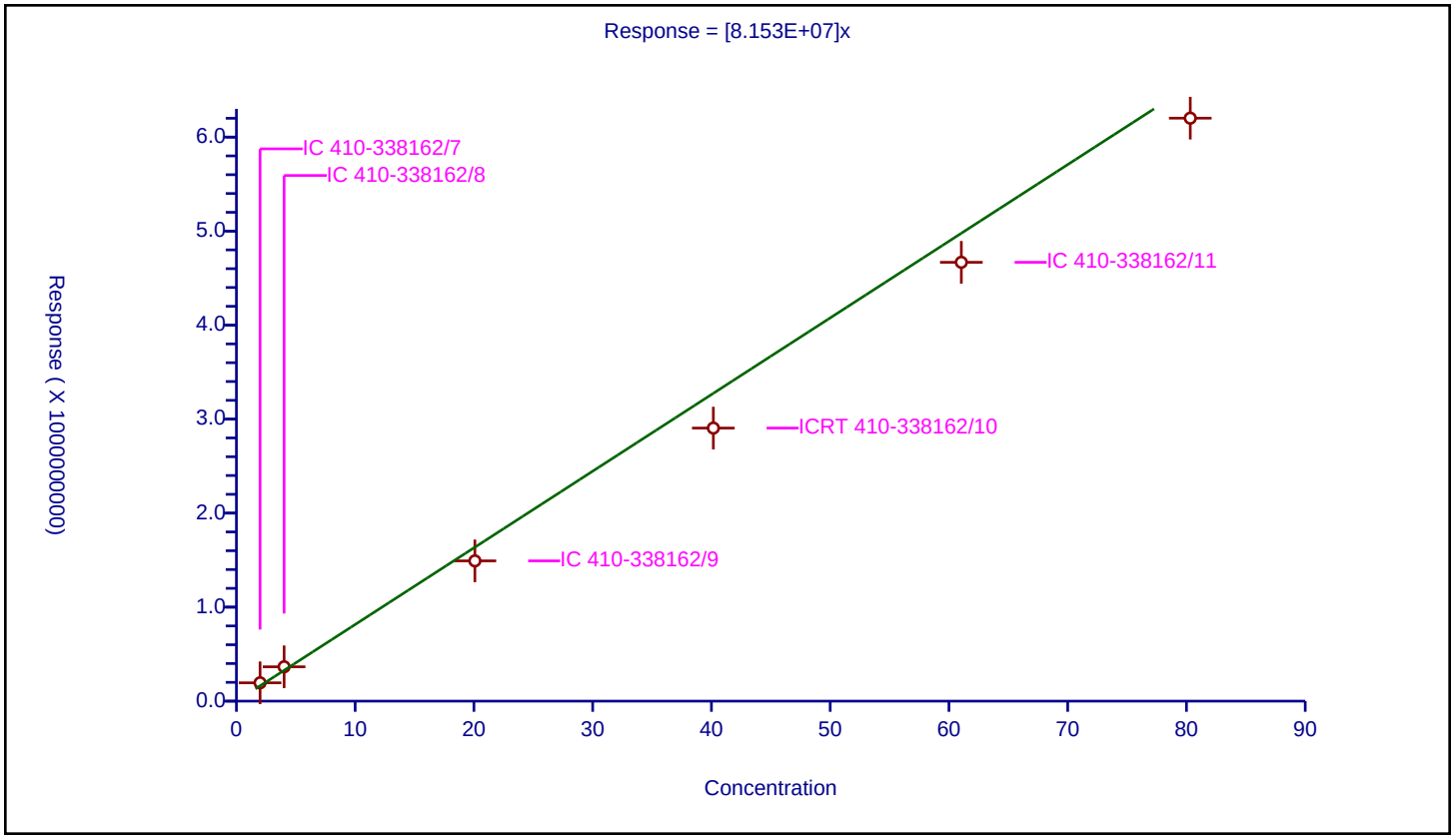
Curve Coefficients

Intercept:	0
Slope:	8.153E+07

Error Coefficients

Standard Error:	274000000
Relative Standard Error:	12.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	1.991936	195019329.0			97904415.10169	Y
2	IC 410-338162/8	4.016	365358511.0			90975724.850598	Y
3	IC 410-338162/9	20.08	1492214088.0			74313450.59761	Y
4	ICRT 410-338162/10	40.16	2904589743.0			72325441.807769	Y
5	IC 410-338162/11	61.0432	4668093171.0			76471960.365774	Y
6	IC 410-338162/12	80.32	6201405697.0			77208736.26743	Y



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46653

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/7	41PEST23024001.007.D
Level 2	IC 410-338162/8	41PEST23024001.008.D
Level 3	IC 410-338162/9	41PEST23024001.009.D
Level 4	ICRT 410-338162/10	41PEST23024001.010.D
Level 5	IC 410-338162/11	41PEST23024001.011.D
Level 6	IC 410-338162/12	41PEST23024001.012.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	3.025	3.027	3.023	3.023	3.028	3.022					2.993 - 3.053	3.025
gamma-BHC (Lindane)	3.365	3.367	3.363	3.365	3.368	3.363					3.335 - 3.395	3.365
beta-BHC	3.625	3.627	3.623	3.623	3.628	3.622					3.593 - 3.653	3.625
delta-BHC	3.873	3.873	3.872	3.872	3.875	3.870					3.842 - 3.902	3.873
Heptachlor	3.947	3.948	3.945	3.947	3.950	3.945					3.917 - 3.977	3.947
Aldrin	4.240	4.242	4.238	4.240	4.243	4.237					4.210 - 4.270	4.240
Heptachlor epoxide	4.612	4.612	4.608	4.610	4.613	4.608					4.580 - 4.640	4.611
gamma-Chlordane	4.867	4.868	4.865	4.867	4.870	4.865					4.837 - 4.897	4.867
alpha-Chlordane	4.908	4.910	4.907	4.907	4.912	4.905					4.877 - 4.937	4.908
Endosulfan I	4.938	4.940	4.937	4.938	4.942	4.935					4.908 - 4.968	4.938
p,p'-DDE	5.022	5.023	5.020	5.020	5.025	5.018					4.990 - 5.050	5.021
Dieldrin	5.138	5.140	5.138	5.138	5.142	5.137					5.108 - 5.168	5.139
Endrin	5.315	5.317	5.313	5.315	5.318	5.313					5.285 - 5.345	5.315
p,p'-DDD	5.410	5.412	5.408	5.408	5.413	5.407					5.378 - 5.438	5.410
Endosulfan II	5.508	5.510	5.507	5.507	5.512	5.505					5.477 - 5.537	5.508
Endrin aldehyde	5.588	5.590	5.587	5.587	5.592	5.585					5.557 - 5.617	5.588
p,p'-DDT	5.637	5.637	5.635	5.635	5.638	5.633					5.605 - 5.665	5.636
Endosulfan sulfate	5.793	5.793	5.792	5.792	5.795	5.790					5.762 - 5.822	5.793
Methoxychlor	5.943	5.945	5.942	5.942	5.947	5.940					5.912 - 5.972	5.943
Endrin ketone	6.097	6.097	6.093	6.095	6.098	6.093					6.065 - 6.125	6.096
Tetrachloro-m-xylene (Surr)	2.605	2.603	2.602	2.603	2.607	2.602					2.573 - 2.633	2.604
DCB Decachlorobiphenyl (Surr)	7.143	7.145	7.142	7.142	7.147	7.140					7.112 - 7.172	7.143

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46653

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/7	41PEST23024001.007.D
Level 2	IC 410-338162/8	41PEST23024001.008.D
Level 3	IC 410-338162/9	41PEST23024001.009.D
Level 4	ICRT 410-338162/10	41PEST23024001.010.D
Level 5	IC 410-338162/11	41PEST23024001.011.D
Level 6	IC 410-338162/12	41PEST23024001.012.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	76962147 85728652	78739236 86228039	74543875	77817063	Ave		80003168.5				6.0		20.0			
gamma-BHC (Lindane)	79101527 81827179	80198631 85343148	73699752	74738445	Ave		79151447.1				5.5		20.0			
beta-BHC	37131597 28369532	35924149 27508487	29721326	27122203	Ave		30962882.4				14.3		20.0			
delta-BHC	91270427 103165363	93821875 105457264	89212008	91656796	Ave		95763955.5				7.1		20.0			
Heptachlor	95779724 96127836	94706704 95385417	85278499	85004347	Ave		92047087.8				5.8		20.0			
Aldrin	96163516 100558620	100449795 99465061	91321657	93538552	Ave		96916200.2				4.0		20.0			
Heptachlor epoxide	90950110 88363606	91675926 86777411	79696584	79298822	Ave		86127076.4				6.3		20.0			
gamma-Chlordane	87396133 86842624	87267837 89570118	79906834	77867582	Ave		84808521.4				5.6		20.0			
alpha-Chlordane	83292340 86861952	87388298 85878743	80288997	74280255	Ave		82998430.8				6.0		20.0			
Endosulfan I	88033590 84292135	89790840 82790463	78566031	74208696	Ave		82946959.2				7.0		20.0			
p,p'-DDE	87139705 92376296	90238708 92982611	83020815	84069858	Ave		88304665.7				4.8		20.0			
Dieldrin	91041324 100240123	94592719 99663704	91567995	89359832	Ave		94410949.4				4.9		20.0			
Endrin	78452739 85896561	79179275 84469578	77451412	78449374	Ave		80649823.1				4.4		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46653

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
p,p'-DDD	62102372 69300504	64495498 71816782	62332649	64086006	Ave		65688968.4				6.0		20.0			
Endosulfan II	77501841 79187558	79620350 78379309	73070032	69523918	Ave		76213834.6				5.3		20.0			
Endrin aldehyde	65067756 61235289	65023658 61663772	57183269	54725881	Ave		60816604.0				6.9		20.0			
p,p'-DDT	51977536 57112676	53026072 57651885	50462008	49121415	Ave		53225265.5				6.6		20.0			
Endosulfan sulfate	77141742 70855449	79042181 70195524	68988611	66075020	Ave		72049754.5				6.9		20.0			
Methoxychlor	31041130 34930737	31634292 35501142	30393801	30862465	Ave		32393927.8				6.9		20.0			
Endrin ketone	73889183 74300748	79418711 74620291	70782461	70149096	Ave		73860081.5				4.5		20.0			
Tetrachloro-m-xylene (Surr)	34370572 30955728	33488679 30946741	29569772	28738142	Ave		31344938.9				7.0		20.0			
DCB Decachlorobiphenyl (Surr)	76208390 62760490	73674764 62803534	61900782	59197875	Ave		66090972.6				10.6		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46653

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/7	41PEST23024001.007.D
Level 2	IC 410-338162/8	41PEST23024001.008.D
Level 3	IC 410-338162/9	41PEST23024001.009.D
Level 4	ICRT 410-338162/10	41PEST23024001.010.D
Level 5	IC 410-338162/11	41PEST23024001.011.D
Level 6	IC 410-338162/12	41PEST23024001.012.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
alpha-BHC	Ave	38173225 1724560773	78739236	372719373	778170626	1303075506	0.496 20.0	1.00	5.00	10.0	15.2
gamma-BHC (Lindane)	Ave	39724787 1728198739	81201114	373104995	756726759	1259320290	0.502 20.3	1.01	5.06	10.1	15.4
beta-BHC	Ave	18647488 557046860	36373201	150464215	274612309	436607093	0.502 20.3	1.01	5.06	10.1	15.4
delta-BHC	Ave	45270132 2109145282	93821875	446060038	916567963	1568113515	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor	Ave	47506743 1907708338	94706704	426392493	850043471	1461143114	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	47697104 1989301213	100449795	456608285	935385521	1528491029	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	45675145 1757242569	92821875	403463959	802900569	1359915894	0.502 20.3	1.01	5.06	10.1	15.4
gamma-Chlordane	Ave	43348482	87267837	399534170	778675822	1320007891	0.496	1.00	5.00	10.0	15.2

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46653

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
		1791402353					20.0				
alpha-Chlordane	Ave	41829413 1739044547	88480652	406463045	752087586	1336805442	0.502 20.3	1.01	5.06	10.1	15.4
Endosulfan I	Ave	44210469 1676506883	90913225	397740534	751363047	1297255958	0.502 20.3	1.01	5.06	10.1	15.4
p,p'-DDE	Ave	86982854 3742550102	181605400	835396950	1691905898	2825790894	0.998 40.3	2.01	10.1	20.1	30.6
Dieldrin	Ave	90312993 3986548157	189185437	915679949	1787196643	3047299742	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	77825117 3378783127	158358549	774514117	1568987488	2611255457	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	61605553 2872671290	128990995	623326492	1281720117	2106735310	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan II	Ave	76881826 3135172342	159240699	730700323	1390478365	2407301767	0.992 40.0	2.00	10.0	20.0	30.4
Endrin aldehyde	Ave	64547214 2466550884	130047315	571832691	1094517610	1861552775	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDT	Ave	51561716	106052143	504620081	982428306	1736225363	0.992	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.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 00:49 Calibration End Date: 01/25/2023 02:03 Calibration ID: 46653

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
		2306075406					40.0				
Endosulfan sulfate	Ave	76524608 2807820962	158084362	689886107	1321500407	2154005649	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	155118737 7153480032	318715491	1531087733	3109393344	5349293028	5.00 202	10.1	50.4	101	153
Endrin ketone	Ave	73756182 3003466711	159830156	712248516	1411750547	2272859875	0.998 40.3	2.01	10.1	20.1	30.6
Tetrachloro-m-xylene (Surr)	Ave	68463980 2485642257	134490533	593761014	1154123767	1889636721	1.99 80.3	4.02	20.1	40.2	61.0
DCB Decachlorobiphenyl (Surr)	Ave	151802236 5044379845	295877853	1242967701	2377386665	3831101145	1.99 80.3	4.02	20.1	40.2	61.0

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.007.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Jan-2023 00:49:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:25:47 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.878	1.877	0.001	138903995H	1.99	2.28	
2	2.605	2.603	0.002	68463980H	1.99	2.18	
						RPD = 4.13	
2 alpha-BHC							
1	2.473	2.472	0.001	46799164H	0.4960	0.5529	
2	3.025	3.023	0.002	38173225H	0.4960	0.4771	
						RPD = 14.71	
4 gamma-BHC (Lindane)							
1	2.848	2.848	0.000	45458061H	0.5022	0.5870	
2	3.365	3.365	0.000	39724787H	0.5022	0.5019	
						RPD = 15.63	
5 beta-BHC							
1	3.100	3.098	0.002	21889042H	0.5022	0.6131	
2	3.625	3.623	0.002	18647488H	0.5022	0.6023	
						RPD = 1.78	
7 delta-BHC							
1	3.388	3.387	0.001	49231076H	0.4960	0.5587	
2	3.873	3.872	0.001	45270132H	0.4960	0.4727	
						RPD = 16.68	
8 Heptachlor							
1	3.217	3.215	0.002	41018915H	0.4960	0.5882	
2	3.947	3.947	0.000	47506743H	0.4960	0.5161	
						RPD = 13.06	
9 Aldrin							
1	3.523	3.523	0.000	48374502H	0.4960	0.5696	
2	4.240	4.240	0.000	47697104H	0.4960	0.4921	
						RPD = 14.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.028	4.027	0.001	46873263H	0.5022	0.5969	
2	4.612	4.610	0.002	45675145H	0.5022	0.5303	
						RPD = 11.81	
13 trans-Chlordane							
1	4.228	4.228	0.000	50046742H	0.4960	0.5868	
2	4.867	4.867	0.000	43348482H	0.4960	0.5111	
						RPD = 13.79	
14 cis-Chlordane							
1	4.312	4.310	0.002	51640064H	0.5022	0.5957	
2	4.908	4.907	0.001	41829413H	0.5022	0.5040	
						RPD = 16.68	
15 Endosulfan I							
1	4.357	4.355	0.002	46089949H	0.5022	0.6017	
2	4.938	4.938	0.000	44210469H	0.5022	0.5330	
						RPD = 12.10	
16 4,4'-DDE							
1	4.483	4.482	0.001	95599117H	1.00	1.12	
2	5.022	5.020	0.002	86982854H	1.00	0.9850	
						RPD = 12.72	
18 Dieldrin							
1	4.593	4.592	0.001	93537586H	0.99	1.13	
2	5.138	5.138	0.000	90312993H	0.99	0.9566	
						RPD = 16.57	
19 Endrin							
1	4.845	4.843	0.002	84415305H	0.99	1.14	
2	5.315	5.315	0.000	77825117H	0.99	0.9650	
						RPD = 16.30	
22 4,4'-DDD							
1	4.940	4.938	0.002	73931803H	0.99	1.11	
2	5.410	5.408	0.002	61605553H	0.99	0.9378	
						RPD = 16.85	
23 Endosulfan II							
1	5.052	5.050	0.002	86780025H	0.99	1.15	
2	5.508	5.507	0.001	76881826H	0.99	1.01	
						RPD = 12.72	
25 Endrin aldehyde							
1	5.223	5.222	0.001	73742332H	0.99	1.18	
2	5.588	5.587	0.001	64547214H	0.99	1.06	
						RPD = 10.80	
26 4,4'-DDT							
1	5.150	5.148	0.002	47810394H	0.99	1.04	
2	5.637	5.635	0.002	51561716H	0.99	0.9687	
						RPD = 6.93	
27 Endosulfan sulfate							
1	5.373	5.372	0.001	82407298H	0.99	1.16	
2	5.793	5.792	0.001	76524608H	0.99	1.06	
						RPD = 8.80	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.643	5.642	0.001	130029450H	5.00	5.19	
2	5.943	5.942	0.001	155118737H	5.00	4.79	
						RPD = 8.06	
29 Endrin ketone							
1	5.810	5.808	0.002	85469852H	1.00	1.15	
2	6.097	6.095	0.002	73756182H	1.00	1.00	
						RPD = 14.35	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.555	6.552	0.003	195019329H	1.99	2.39	
2	7.143	7.142	0.001	151802236H	1.99	2.30	
						RPD = 4.05	
S 32 Total DDTs							
1						1.04	
2						0.9687	
						RPD = 6.93	
S 33 Endosulfan, Total							
1						1.75	
2						1.54	
						RPD = 12.51	

Reagents:

GCS_MIXA1_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:25:49 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.007.D

Injection Date: 25-Jan-2023 00:49:00 Instrument ID: 9147

Lims ID: ic mixa1

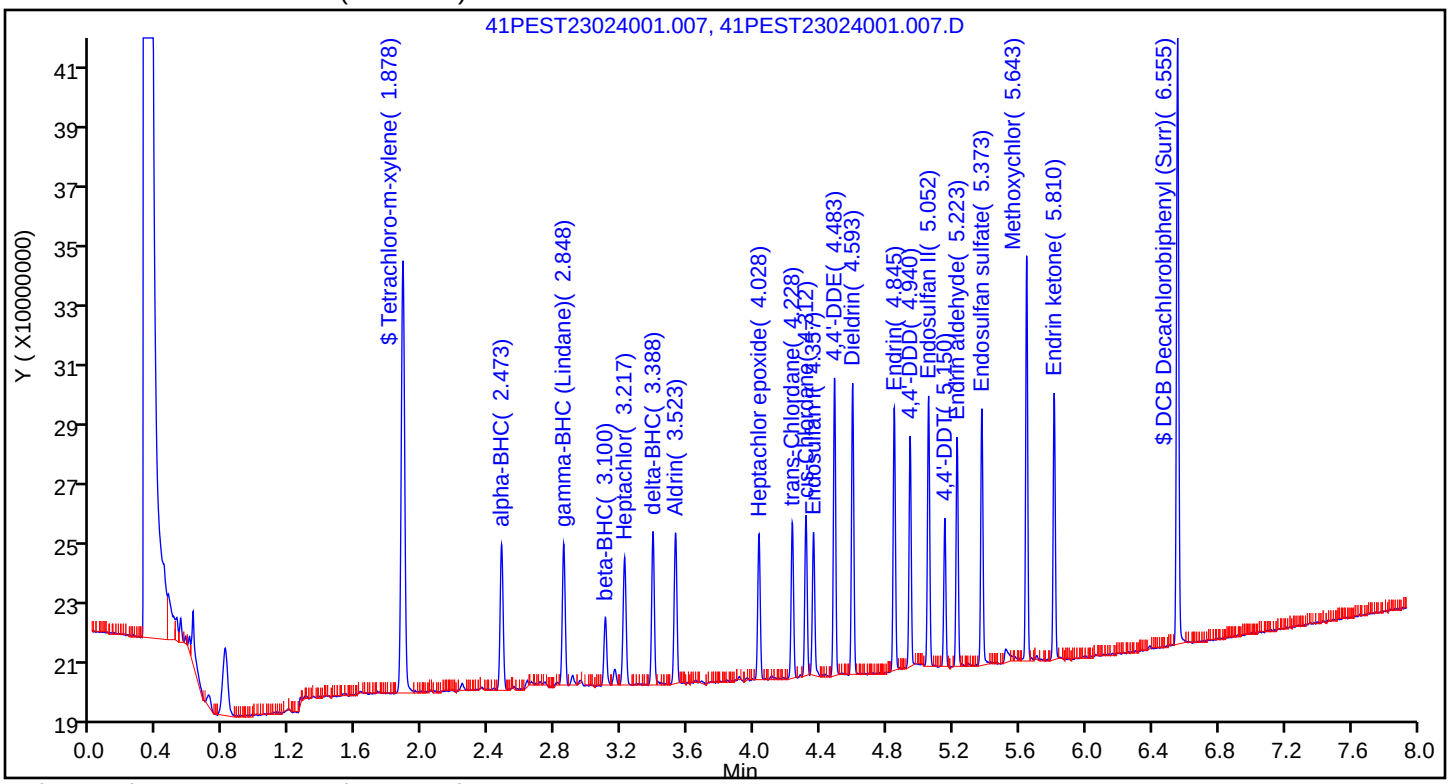
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

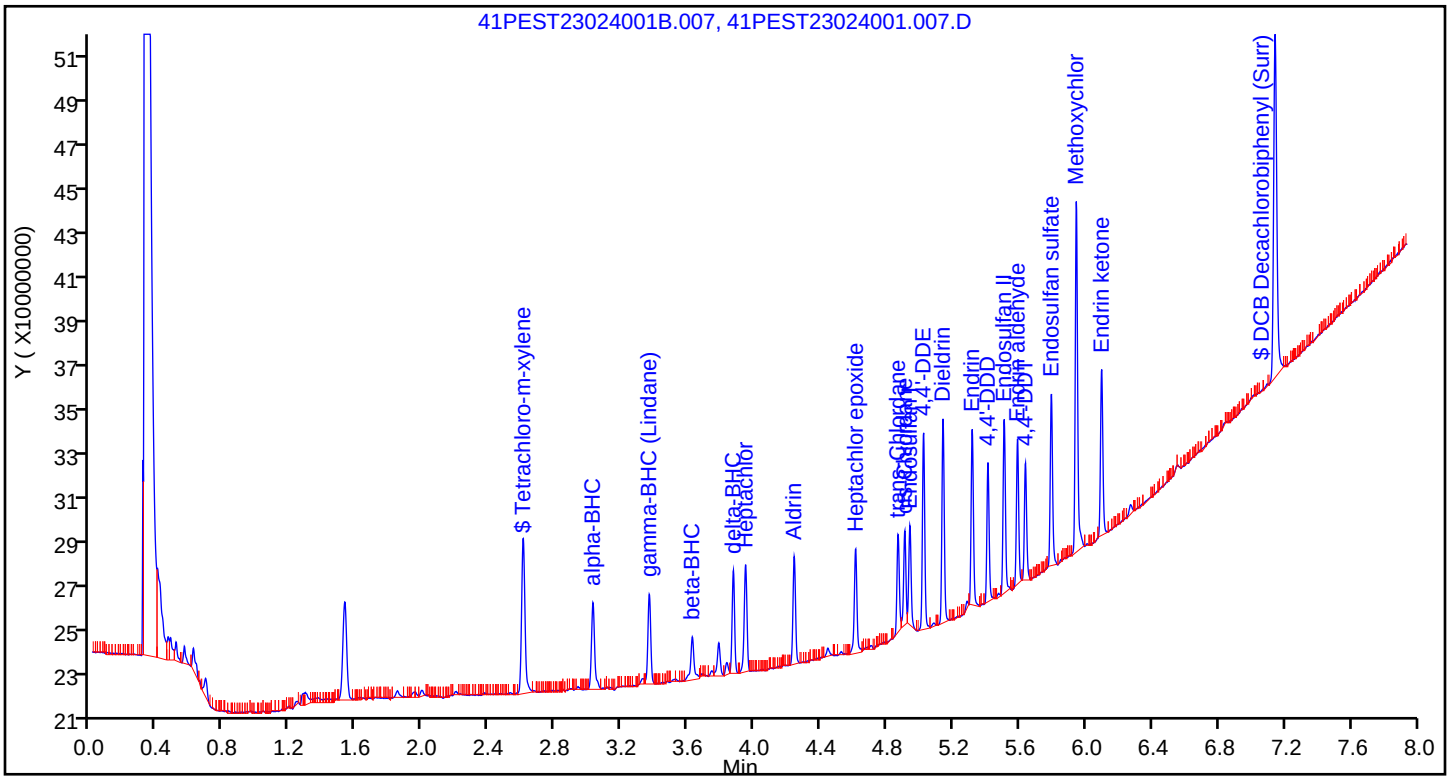
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.008.D
Lims ID: ic 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Jan-2023 01:04:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:30:13 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.877	1.877	0.000	272236313H	4.02	4.46	
2	2.603	2.603	0.000	134490533H	4.02	4.29	
						RPD = 3.90	
2 alpha-BHC							
1	2.473	2.472	0.001	92713182H	1.00	1.10	
2	3.027	3.023	0.004	78739236H	1.00	0.9842	
						RPD = 10.69	
4 gamma-BHC (Lindane)							
1	2.847	2.848	-0.001	88181191H	1.01	1.14	
2	3.367	3.365	0.002	81201114H	1.01	1.03	
						RPD = 10.41	
5 beta-BHC							
1	3.098	3.098	0.000	45252233H	1.01	1.27	
2	3.627	3.623	0.004	36373201H	1.01	1.17	
						RPD = 7.59	
7 delta-BHC							
1	3.387	3.387	0.000	97906118H	1.00	1.11	
2	3.873	3.872	0.001	93821875H	1.00	0.9797	
						RPD = 12.57	
8 Heptachlor							
1	3.215	3.215	0.000	84593661H	1.00	1.21	
2	3.948	3.947	0.001	94706704H	1.00	1.03	
						RPD = 16.43	
9 Aldrin							
1	3.523	3.523	0.000	96333102H	1.00	1.13	
2	4.242	4.240	0.002	100449795H	1.00	1.04	
						RPD = 9.02	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.027	4.027	0.000	92142180H	1.01	1.17	
2	4.612	4.610	0.002	92821875H	1.01	1.08	
						RPD = 8.49	
13 trans-Chlordane							
1	4.228	4.228	0.000	98235847H	1.00	1.15	
2	4.868	4.867	0.001	87267837H	1.00	1.03	
						RPD = 11.27	
14 cis-Chlordane							
1	4.310	4.310	0.000	104645748H	1.01	1.21	
2	4.910	4.907	0.003	88480652H	1.01	1.07	
						RPD = 12.42	
15 Endosulfan I							
1	4.355	4.355	0.000	90199207H	1.01	1.18	
2	4.940	4.938	0.002	90913225H	1.01	1.10	
						RPD = 7.16	
16 4,4'-DDE							
1	4.483	4.482	0.001	186161227H	2.01	2.18	
2	5.023	5.020	0.003	181605400H	2.01	2.06	
						RPD = 5.77	
18 Dieldrin							
1	4.592	4.592	0.000	182968025H	2.00	2.21	
2	5.140	5.138	0.002	189185437H	2.00	2.00	
						RPD = 9.75	
19 Endrin							
1	4.843	4.843	0.000	166353260H	2.00	2.24	
2	5.317	5.315	0.002	158358549H	2.00	1.96	
						RPD = 13.11	
22 4,4'-DDD							
1	4.940	4.938	0.002	150231678H	2.00	2.26	
2	5.412	5.408	0.004	128990995H	2.00	1.96	
						RPD = 13.88	
23 Endosulfan II							
1	5.050	5.050	0.000	171272459H	2.00	2.26	
2	5.510	5.507	0.003	159240699H	2.00	2.09	
						RPD = 7.91	
25 Endrin aldehyde							
1	5.222	5.222	0.000	144104890H	2.00	2.31	
2	5.590	5.587	0.003	130047315H	2.00	2.14	
						RPD = 7.75	
26 4,4'-DDT							
1	5.148	5.148	0.000	95777442H	2.00	2.08	
2	5.637	5.635	0.002	106052143H	2.00	1.99	
						RPD = 4.29	
27 Endosulfan sulfate							
1	5.372	5.372	0.000	163621052H	2.00	2.30	
2	5.793	5.792	0.001	158084362H	2.00	2.19	
						RPD = 4.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.643	5.642	0.001	256037178H	10.1	10.2	
2	5.945	5.942	0.003	318715491H	10.1	9.84	
						RPD = 3.81	
29 Endrin ketone							
1	5.808	5.808	0.000	166954110H	2.01	2.25	
2	6.097	6.095	0.002	159830156H	2.01	2.16	
						RPD = 4.00	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.553	6.552	0.001	365358511H	4.02	4.48	
2	7.145	7.142	0.003	295877853H	4.02	4.48	
						RPD = 0.10	
S 32 Total DDTs							
1						2.08	
2						1.99	
						RPD = 4.29	
S 33 Endosulfan, Total							
1						3.44	
2						3.19	
						RPD = 7.65	

Reagents:

GCS_MIXA2_00008 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:30:14 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.008.D

Injection Date: 25-Jan-2023 01:04:00 Instrument ID: 9147

Lims ID: ic 2

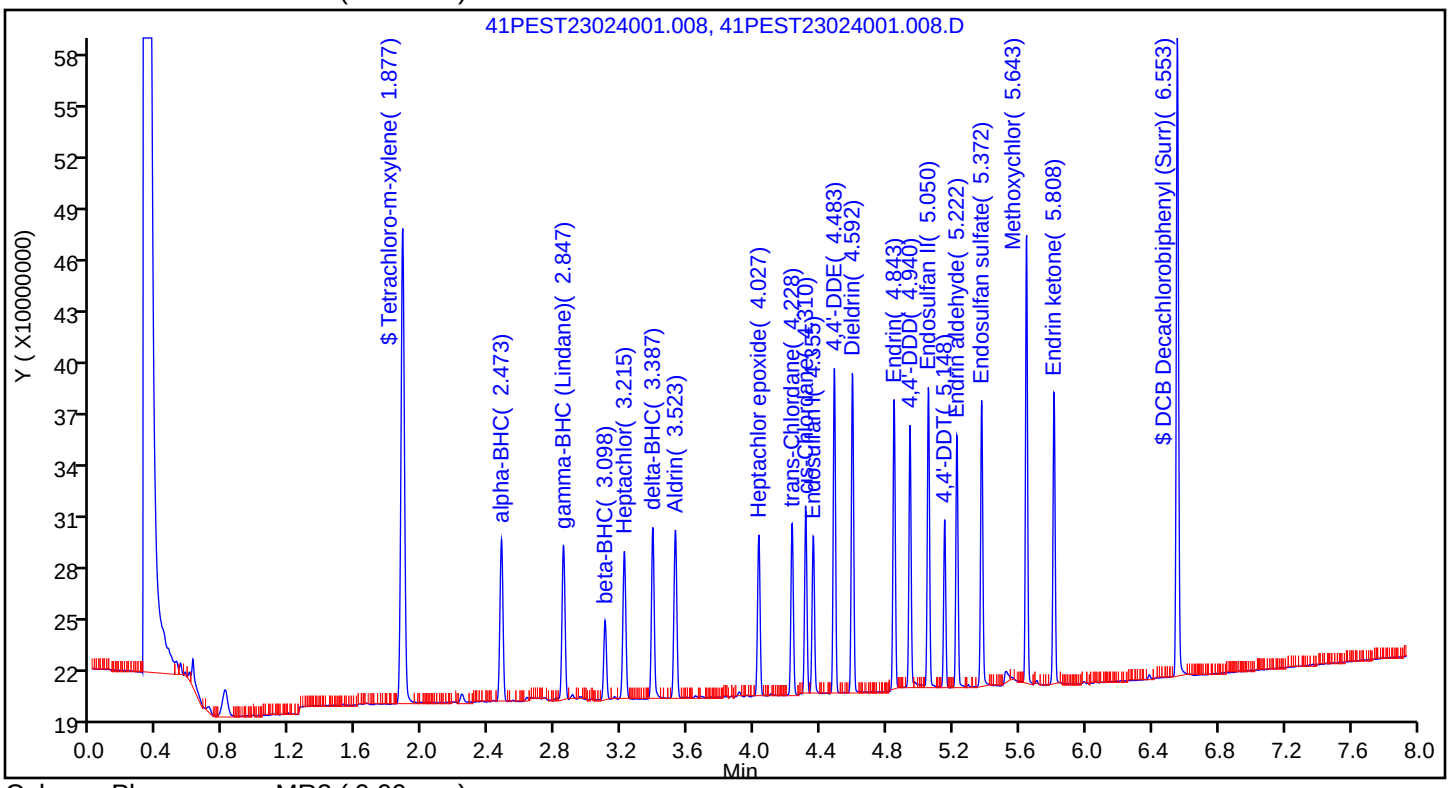
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

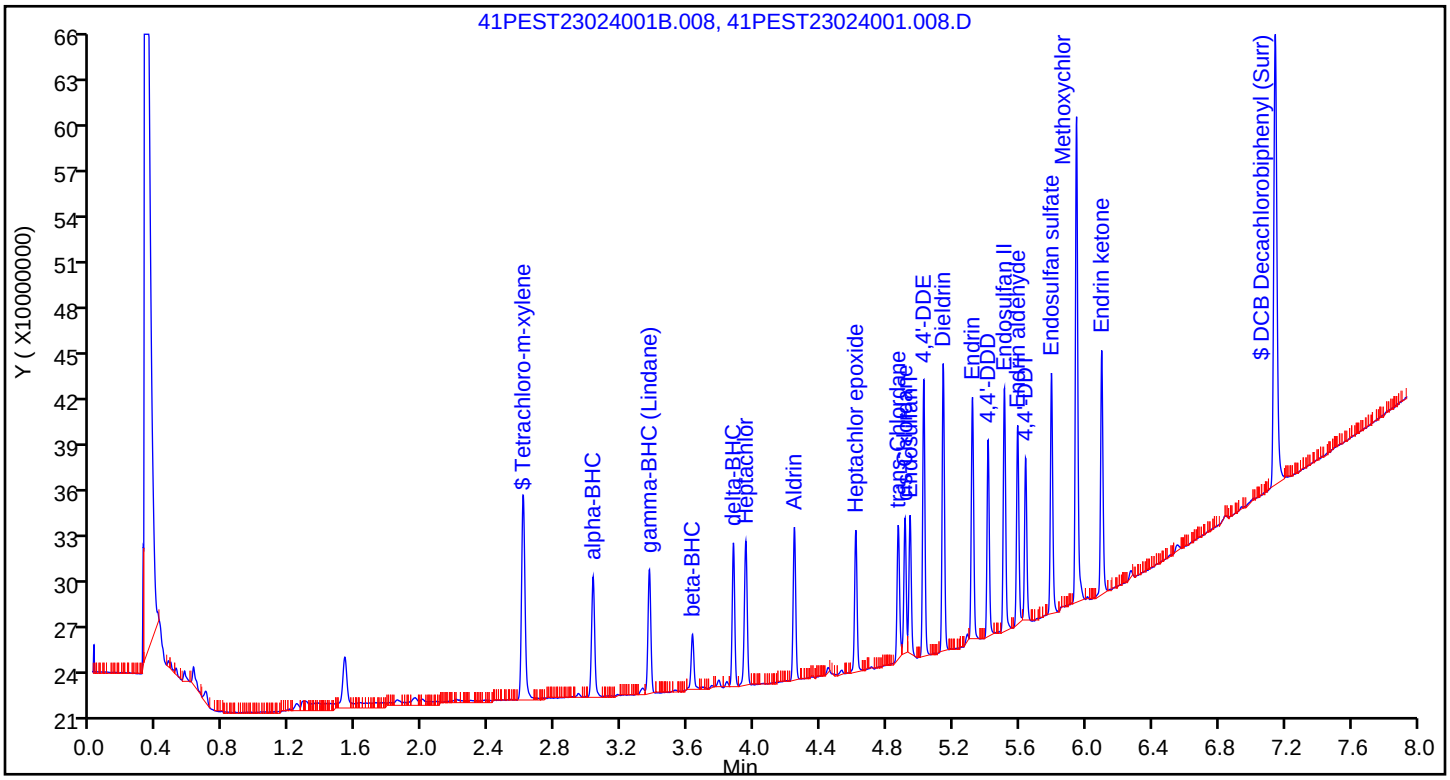
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.009.D
Lims ID: ic 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Jan-2023 01:19:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:25:52 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.880	1.877	0.003	1136949821H	20.1	18.6	
2	2.602	2.603	-0.001	593761014H	20.1	18.9	
						RPD = 1.66	
2 alpha-BHC							
1	2.475	2.472	0.003	394768455H	5.00	4.66	
2	3.023	3.023	0.000	372719373H	5.00	4.66	
						RPD = 0.11	
4 gamma-BHC (Lindane)							
1	2.850	2.848	0.002	363900980H	5.06	4.70	
2	3.363	3.365	-0.002	373104995H	5.06	4.71	
						RPD = 0.32	
5 beta-BHC							
1	3.100	3.098	0.002	171665685H	5.06	4.81	
2	3.623	3.623	0.000	150464215H	5.06	4.86	
						RPD = 1.07	
7 delta-BHC							
1	3.388	3.387	0.001	410939929H	5.00	4.66	
2	3.872	3.872	0.000	446060038H	5.00	4.66	
						RPD = 0.13	
8 Heptachlor							
1	3.217	3.215	0.002	323150577H	5.00	4.63	
2	3.945	3.947	-0.002	426392493H	5.00	4.63	
						RPD = 0.03	
9 Aldrin							
1	3.525	3.523	0.002	400986351H	5.00	4.72	
2	4.238	4.240	-0.002	456608285H	5.00	4.71	
						RPD = 0.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.028	4.027	0.001	364763897H	5.06	4.64	
2	4.608	4.610	-0.002	403463959H	5.06	4.68	
						RPD = 0.85	
13 trans-Chlordane							
1	4.230	4.228	0.002	393821494H	5.00	4.62	
2	4.865	4.867	-0.002	399534170H	5.00	4.71	
						RPD = 2.00	
14 cis-Chlordane							
1	4.313	4.310	0.003	398808710H	5.06	4.60	
2	4.907	4.907	0.000	406463045H	5.06	4.90	
						RPD = 6.25	
15 Endosulfan I							
1	4.358	4.355	0.003	357945583H	5.06	4.67	
2	4.937	4.938	-0.001	397740534H	5.06	4.80	
						RPD = 2.59	
16 4,4'-DDE							
1	4.485	4.482	0.003	825595094H	10.1	9.66	
2	5.020	5.020	0.000	835396950H	10.1	9.46	
						RPD = 2.11	
18 Dieldrin							
1	4.595	4.592	0.003	756869587H	10.0	9.14	
2	5.138	5.138	0.000	915679949H	10.0	9.70	
						RPD = 5.95	
19 Endrin							
1	4.845	4.843	0.002	694887296H	10.0	9.35	
2	5.313	5.315	-0.002	774514117H	10.0	9.60	
						RPD = 2.64	
22 4,4'-DDD							
1	4.942	4.938	0.004	626372011H	10.0	9.41	
2	5.408	5.408	0.000	623326492H	10.0	9.49	
						RPD = 0.86	
23 Endosulfan II							
1	5.052	5.050	0.002	693850115H	10.0	9.16	
2	5.507	5.507	0.000	730700323H	10.0	9.59	
						RPD = 4.54	
25 Endrin aldehyde							
1	5.225	5.222	0.003	569937534H	10.0	9.14	
2	5.587	5.587	0.000	571832691H	10.0	9.40	
						RPD = 2.84	
26 4,4'-DDT							
1	5.152	5.148	0.004	413793289H	10.0	8.99	
2	5.635	5.635	0.000	504620081H	10.0	9.48	
						RPD = 5.36	
27 Endosulfan sulfate							
1	5.373	5.372	0.001	668222420H	10.0	9.41	
2	5.792	5.792	0.000	689886107H	10.0	9.58	
						RPD = 1.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.645	5.642	0.003	1193047904H	50.4	47.6	
2	5.942	5.942	0.000	1531087733H	50.4	47.3	
						RPD = 0.76	
29 Endrin ketone							
1	5.812	5.808	0.004	683296881H	10.1	9.22	
2	6.093	6.095	-0.002	712248516H	10.1	9.64	
						RPD = 4.51	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.557	6.552	0.005	1492214088H	20.1	18.3	
2	7.142	7.142	0.000	1242967701H	20.1	18.8	
						RPD = 2.72	
S 32 Total DDTs							
1						8.99	
2						9.48	
						RPD = 5.36	
S 33 Endosulfan, Total							
1						13.8	
2						14.4	
						RPD = 3.89	

Reagents:

GCS_MIXA3_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:25:53 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.009.D

Injection Date: 25-Jan-2023 01:19:00 Instrument ID: 9147

Lims ID: ic 3

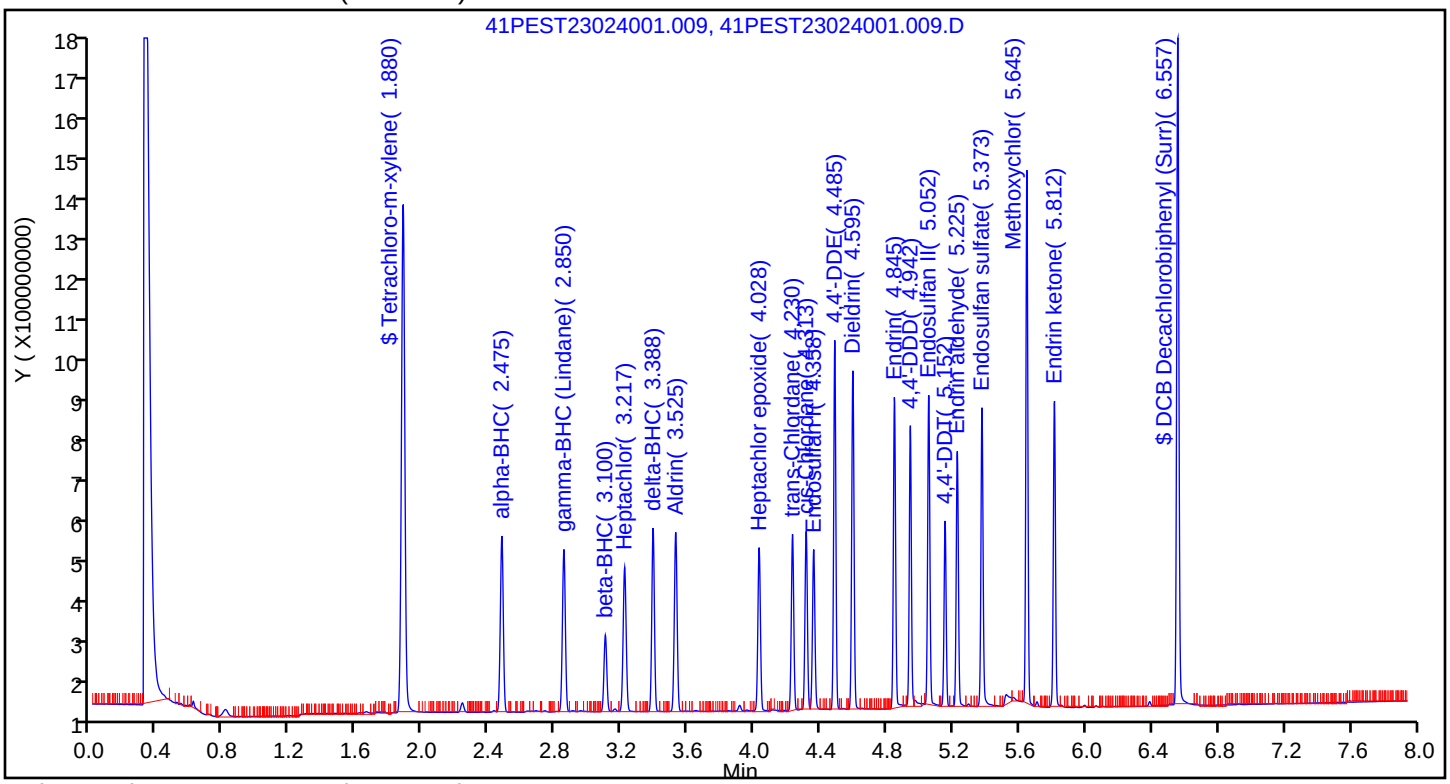
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

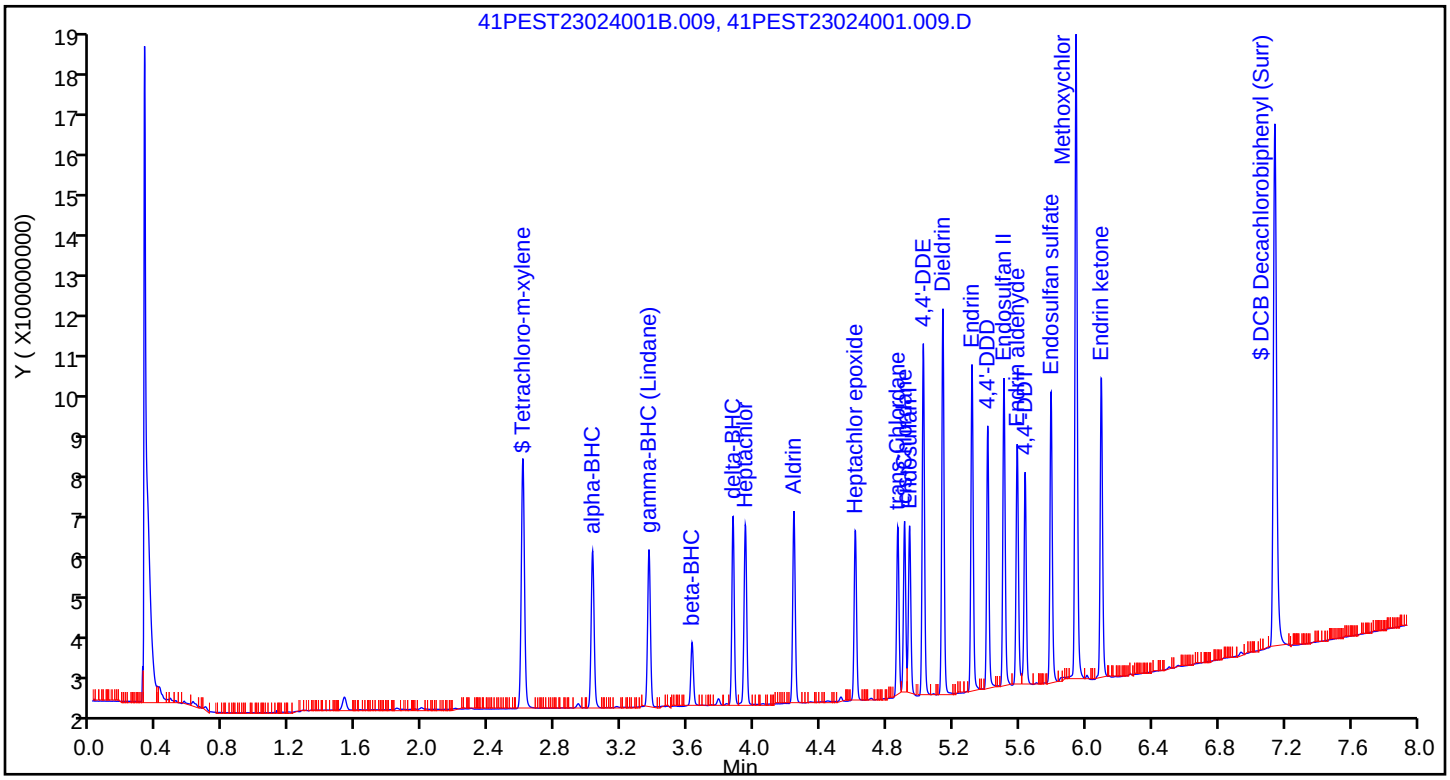
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.010.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 25-Jan-2023 01:33:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt a4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:25:56 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.877	1.877	0.000	2212629506H	40.2	36.3	
2	2.603	2.603	0.000	1154123767H	40.2	36.8	
						RPD = 1.53	
2 alpha-BHC							
1	2.472	2.472	0.000	752334690H	10.0	8.89	
2	3.023	3.023	0.000	778170626H	10.0	9.73	
						RPD = 9.00	
4 gamma-BHC (Lindane)							
1	2.848	2.848	0.000	706178241H	10.1	9.12	
2	3.365	3.365	0.000	756726759H	10.1	9.56	
						RPD = 4.74	
5 beta-BHC							
1	3.098	3.098	0.000	305534806H	10.1	8.56	
2	3.623	3.623	0.000	274612309H	10.1	8.87	
						RPD = 3.58	
7 delta-BHC							
1	3.387	3.387	0.000	801187053H	10.0	9.09	
2	3.872	3.872	0.000	916567963H	10.0	9.57	
						RPD = 5.12	
8 Heptachlor							
1	3.215	3.215	0.000	603807028H	10.0	8.66	
2	3.947	3.947	0.000	850043471H	10.0	9.23	
						RPD = 6.44	
9 Aldrin							
1	3.523	3.523	0.000	741946690H	10.0	8.74	
2	4.240	4.240	0.000	935385521H	10.0	9.65	
						RPD = 9.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.027	4.027	0.000	696562507H	10.1	8.87	
2	4.610	4.610	0.000	802900569H	10.1	9.32	
						RPD = 4.97	
13 trans-Chlordane							
1	4.228	4.228	0.000	746642284H	10.0	8.75	
2	4.867	4.867	0.000	778675822H	10.0	9.18	
						RPD = 4.76	
14 cis-Chlordane							
1	4.310	4.310	0.000	759859052H	10.1	8.77	
2	4.907	4.907	0.000	752087586H	10.1	9.06	
						RPD = 3.32	
15 Endosulfan I							
1	4.355	4.355	0.000	665664105H	10.1	8.69	
2	4.938	4.938	0.000	751363047H	10.1	9.06	
						RPD = 4.16	
16 4,4'-DDE							
1	4.482	4.482	0.000	1508980542H	20.1	17.7	
2	5.020	5.020	0.000	1691905898H	20.1	19.2	
						RPD = 8.14	
18 Dieldrin							
1	4.592	4.592	0.000	1467980034H	20.0	17.7	
2	5.138	5.138	0.000	1787196643H	20.0	18.9	
						RPD = 6.57	
19 Endrin							
1	4.843	4.843	0.000	1291770939H	20.0	17.4	
2	5.315	5.315	0.000	1568987488H	20.0	19.5	
						RPD = 11.22	
22 4,4'-DDD							
1	4.938	4.938	0.000	1165597149H	20.0	17.5	
2	5.408	5.408	0.000	1281720117H	20.0	19.5	
						RPD = 10.83	
23 Endosulfan II							
1	5.050	5.050	0.000	1336948863H	20.0	17.7	
2	5.507	5.507	0.000	1390478365H	20.0	18.2	
						RPD = 3.29	
25 Endrin aldehyde							
1	5.222	5.222	0.000	1085631305H	20.0	17.4	
2	5.587	5.587	0.000	1094517610H	20.0	18.0	
						RPD = 3.33	
26 4,4'-DDT							
1	5.148	5.148	0.000	832517087H	20.0	18.1	
2	5.635	5.635	0.000	982428306H	20.0	18.5	
						RPD = 2.08	
27 Endosulfan sulfate							
1	5.372	5.372	0.000	1248278692H	20.0	17.6	
2	5.792	5.792	0.000	1321500407H	20.0	18.3	
						RPD = 4.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.642	5.642	0.000	2326987499H	100.8	92.9	
2	5.942	5.942	0.000	3109393344H	100.8	96.0	
						RPD = 3.27	
29 Endrin ketone							
1	5.808	5.808	0.000	1342771727H	20.1	18.1	
2	6.095	6.095	0.000	1411750547H	20.1	19.1	
						RPD = 5.37	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.552	6.552	0.000	2904589743H	40.2	35.6	
2	7.142	7.142	0.000	2377386665H	40.2	36.0	
						RPD = 0.97	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:25:57 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.010.D

Injection Date: 25-Jan-2023 01:33:00 Instrument ID: 9147

Lims ID: icrt

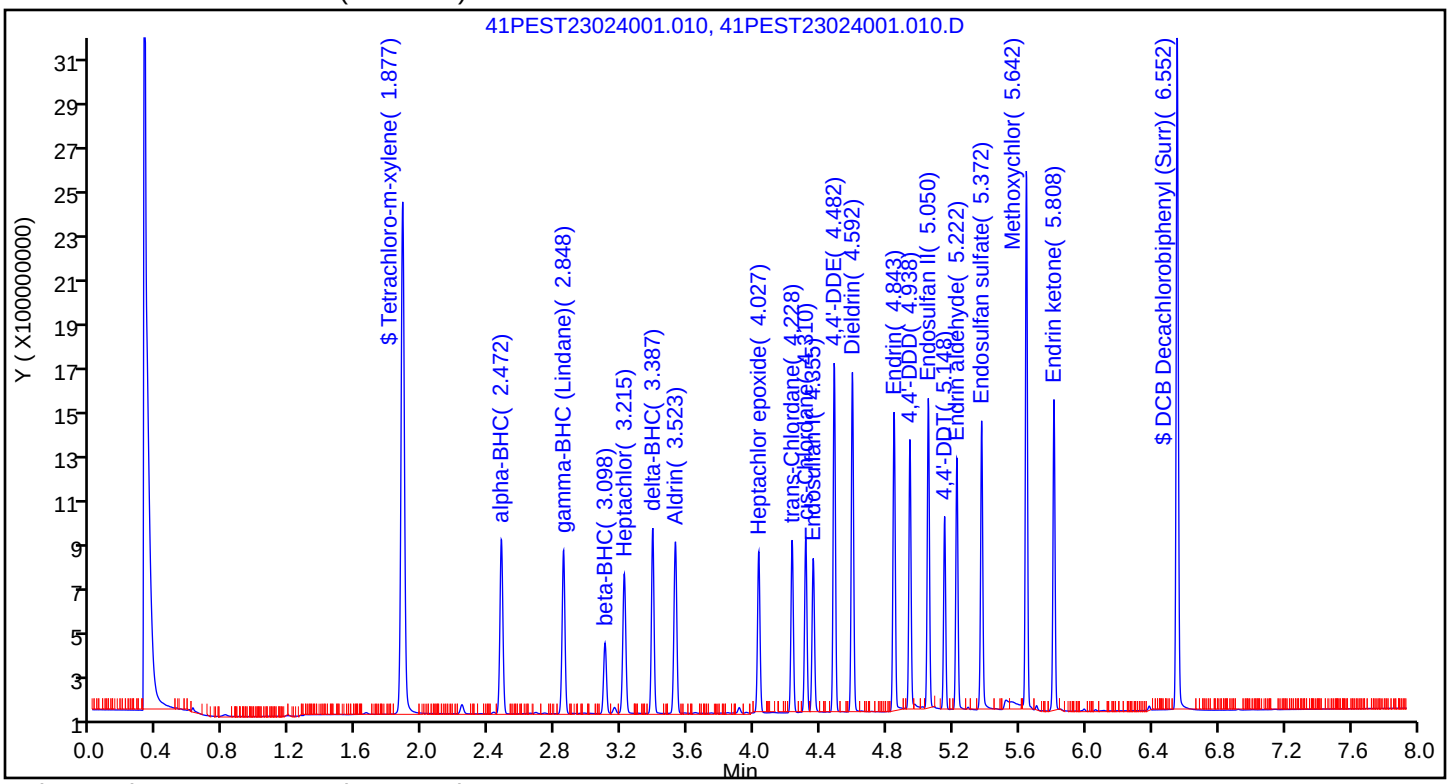
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

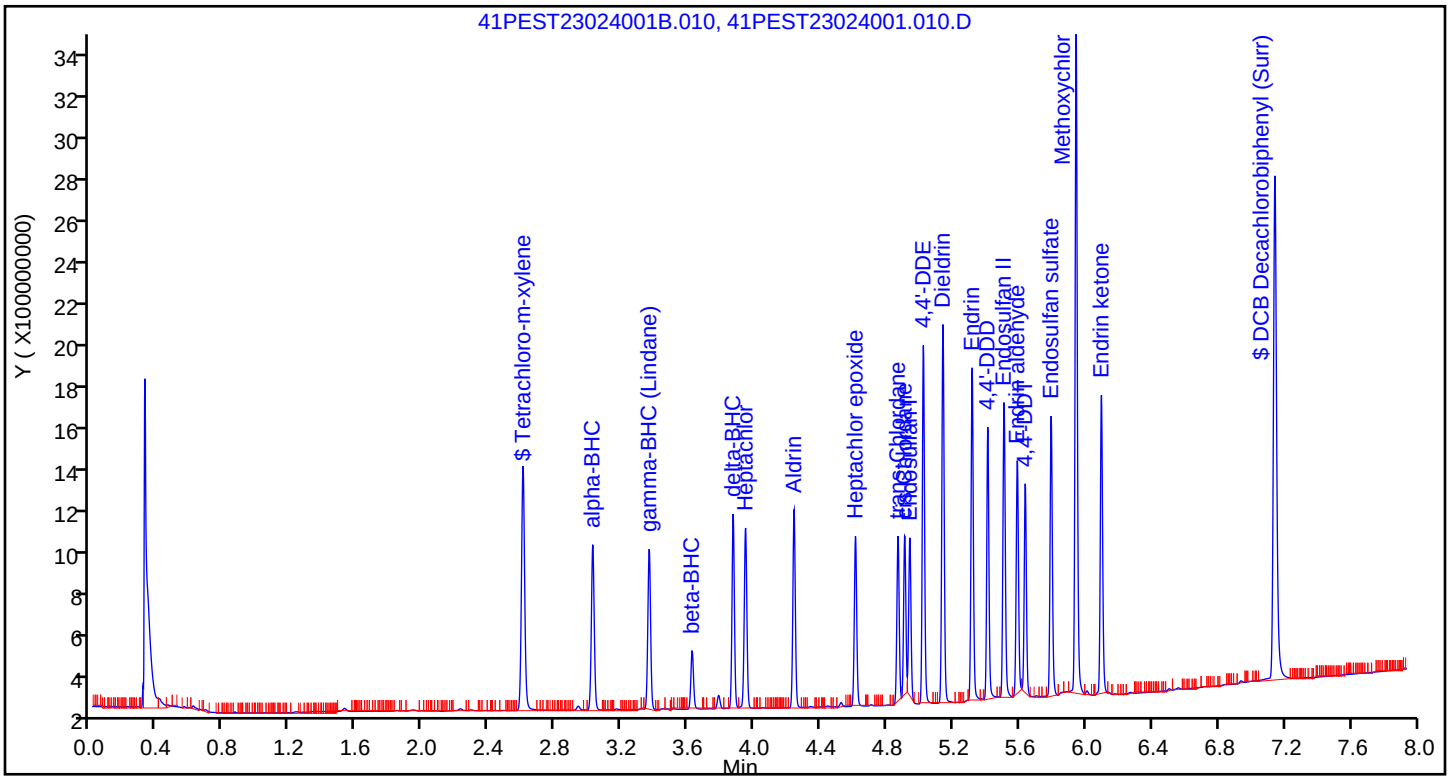
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.011.D
Lims ID: ic 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Jan-2023 01:48:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:00 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.880	1.877	0.003	3580569699H	61.0	58.7	
2	2.607	2.603	0.004	1889636721H	61.0	60.3	
						RPD = 2.70	
2 alpha-BHC							
1	2.477	2.472	0.005	1283454150H	15.2	15.2	
2	3.028	3.023	0.005	1303075506H	15.2	16.3	
						RPD = 7.15	
4 gamma-BHC (Lindane)							
1	2.852	2.848	0.004	1110747410H	15.4	14.3	
2	3.368	3.365	0.003	1259320290H	15.4	15.9	
						RPD = 10.37	
5 beta-BHC							
1	3.102	3.098	0.004	488934652H	15.4	13.7	
2	3.628	3.623	0.005	436607093H	15.4	14.1	
						RPD = 2.93	
7 delta-BHC							
1	3.390	3.387	0.003	1296788713H	15.2	14.7	
2	3.875	3.872	0.003	1568113515H	15.2	16.4	
						RPD = 10.66	
8 Heptachlor							
1	3.218	3.215	0.003	974438978H	15.2	14.0	
2	3.950	3.947	0.003	1461143114H	15.2	15.9	
						RPD = 12.74	
9 Aldrin							
1	3.527	3.523	0.004	1226916829H	15.2	14.4	
2	4.243	4.240	0.003	1528491029H	15.2	15.8	
						RPD = 8.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.030	4.027	0.003	1124184344H	15.4	14.3	
2	4.613	4.610	0.003	1359915894H	15.4	15.8	
						RPD = 9.80	
13 trans-Chlordane							
1	4.232	4.228	0.004	1212987092H	15.2	14.2	
2	4.870	4.867	0.003	1320007891H	15.2	15.6	
						RPD = 9.01	
14 cis-Chlordane							
1	4.313	4.310	0.003	1243547804H	15.4	14.3	
2	4.912	4.907	0.005	1336805442H	15.4	16.1	
						RPD = 11.57	
15 Endosulfan I							
1	4.358	4.355	0.003	1121937339H	15.4	14.6	
2	4.942	4.938	0.004	1297255958H	15.4	15.6	
						RPD = 6.56	
16 4,4'-DDE							
1	4.487	4.482	0.005	2567483711H	30.6	30.0	
2	5.025	5.020	0.005	2825790894H	30.6	32.0	
						RPD = 6.29	
18 Dieldrin							
1	4.595	4.592	0.003	2456395262H	30.4	29.7	
2	5.142	5.138	0.004	3047299742H	30.4	32.3	
						RPD = 8.45	
19 Endrin							
1	4.847	4.843	0.004	2208268488H	30.4	29.7	
2	5.318	5.315	0.003	2611255457H	30.4	32.4	
						RPD = 8.55	
22 4,4'-DDD							
1	4.942	4.938	0.004	1943053825H	30.4	29.2	
2	5.413	5.408	0.005	2106735310H	30.4	32.1	
						RPD = 9.43	
23 Endosulfan II							
1	5.053	5.050	0.003	2189179305H	30.4	28.9	
2	5.512	5.507	0.005	2407301767H	30.4	31.6	
						RPD = 8.86	
25 Endrin aldehyde							
1	5.227	5.222	0.005	1773507337H	30.4	28.4	
2	5.592	5.587	0.005	1861552775H	30.4	30.6	
						RPD = 7.35	
26 4,4'-DDT							
1	5.152	5.148	0.004	1443822946H	30.4	31.4	
2	5.638	5.635	0.003	1736225363H	30.4	32.6	
						RPD = 3.96	
27 Endosulfan sulfate							
1	5.375	5.372	0.003	2000627279H	30.4	28.2	
2	5.795	5.792	0.003	2154005649H	30.4	29.9	
						RPD = 5.98	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.645	5.642	0.003	3931590488H	153.1	157.0	
2	5.947	5.942	0.005	5349293028H	153.1	165.1	
						RPD = 5.08	
29 Endrin ketone							
1	5.812	5.808	0.004	2182243162H	30.6	29.4	
2	6.098	6.095	0.003	2272859875H	30.6	30.8	
						RPD = 4.43	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.557	6.552	0.005	4668093171H	61.0	57.3	
2	7.147	7.142	0.005	3831101145H	61.0	58.0	
						RPD = 1.24	
S 32 Total DDTs							
1						31.4	
2						32.6	
						RPD = 3.96	
S 33 Endosulfan, Total							
1						43.6	
2						47.2	
						RPD = 8.09	

Reagents:

GCS_MIXA5_00012 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:01 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.011.D

Injection Date: 25-Jan-2023 01:48:00 Instrument ID: 9147

Lims ID: ic 5

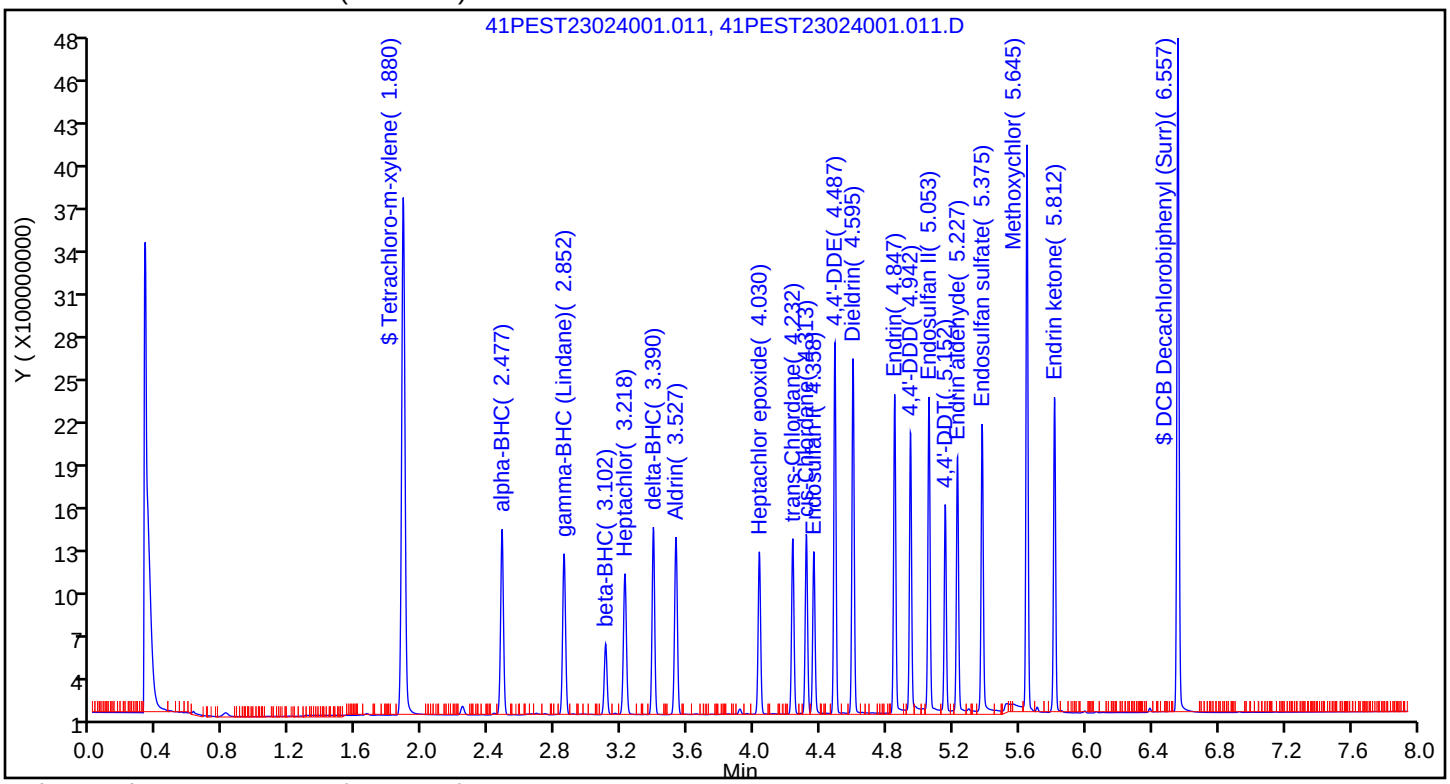
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 11

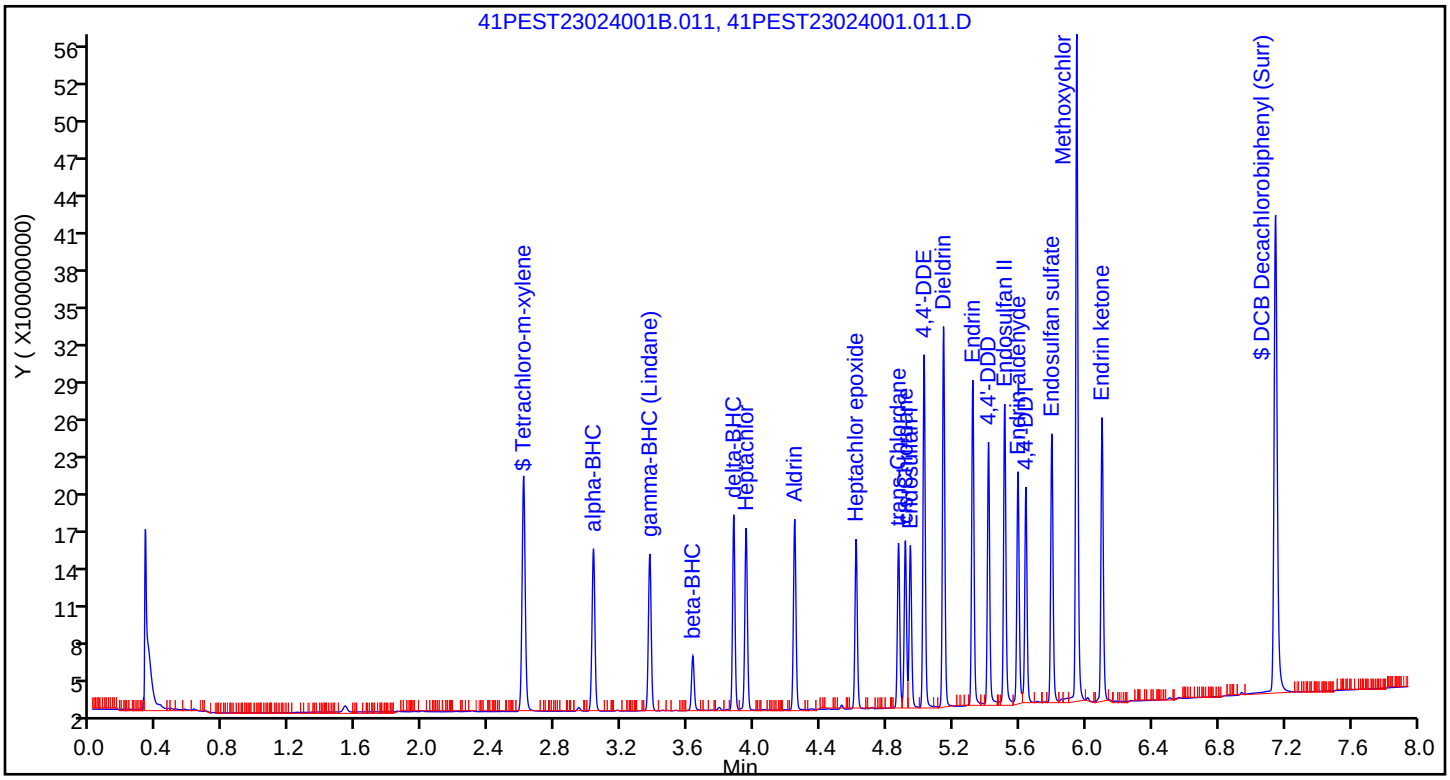
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.012.D
Lims ID: ic 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Jan-2023 02:03:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:04 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.878	1.877	0.001	4677896568H	80.3	76.7	
2	2.602	2.603	-0.001	2485642257H	80.3	79.3	
						RPD = 3.39	
2 alpha-BHC							
1	2.473	2.472	0.001	1642874448H	20.0	19.4	
2	3.022	3.023	-0.001	1724560773H	20.0	21.6	
						RPD = 10.48	
4 gamma-BHC (Lindane)							
1	2.848	2.848	0.000	1483749441H	20.3	19.2	
2	3.363	3.365	-0.002	1728198739H	20.3	21.8	
						RPD = 13.06	
5 beta-BHC							
1	3.098	3.098	0.000	609385957H	20.3	17.1	
2	3.622	3.623	-0.001	557046860H	20.3	18.0	
						RPD = 5.27	
7 delta-BHC							
1	3.387	3.387	0.000	1677508126H	20.0	19.0	
2	3.870	3.872	-0.002	2109145282H	20.0	22.0	
						RPD = 14.54	
8 Heptachlor							
1	3.215	3.215	0.000	1240038214H	20.0	17.8	
2	3.945	3.947	-0.002	1907708338H	20.0	20.7	
						RPD = 15.29	
9 Aldrin							
1	3.523	3.523	0.000	1611555191H	20.0	19.0	
2	4.237	4.240	-0.003	1989301213H	20.0	20.5	
						RPD = 7.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.027	4.027	0.000	1477241221H	20.3	18.8	
2	4.608	4.610	-0.002	1757242569H	20.3	20.4	
						RPD = 8.12	
13 trans-Chlordane							
1	4.230	4.228	0.002	1586671598H	20.0	18.6	
2	4.865	4.867	-0.002	1791402353H	20.0	21.1	
						RPD = 12.68	
14 cis-Chlordane							
1	4.312	4.310	0.002	1605912663H	20.3	18.5	
2	4.905	4.907	-0.002	1739044547H	20.3	21.0	
						RPD = 12.30	
15 Endosulfan I							
1	4.357	4.355	0.002	1405762731H	20.3	18.4	
2	4.935	4.938	-0.003	1676506883H	20.3	20.2	
						RPD = 9.65	
16 4,4'-DDE							
1	4.483	4.482	0.001	3357927849H	40.3	39.3	
2	5.018	5.020	-0.002	3742550102H	40.3	42.4	
						RPD = 7.55	
18 Dieldrin							
1	4.593	4.592	0.001	3249953417H	40.0	39.2	
2	5.137	5.138	-0.001	3986548157H	40.0	42.2	
						RPD = 7.33	
19 Endrin							
1	4.845	4.843	0.002	2831353821H	40.0	38.1	
2	5.313	5.315	-0.002	3378783127H	40.0	41.9	
						RPD = 9.46	
22 4,4'-DDD							
1	4.940	4.938	0.002	2599939807H	40.0	39.1	
2	5.407	5.408	-0.001	2872671290H	40.0	43.7	
						RPD = 11.31	
23 Endosulfan II							
1	5.052	5.050	0.002	2921881321H	40.0	38.6	
2	5.505	5.507	-0.002	3135172342H	40.0	41.1	
						RPD = 6.41	
25 Endrin aldehyde							
1	5.223	5.222	0.001	2327155038H	40.0	37.3	
2	5.585	5.587	-0.002	2466550884H	40.0	40.6	
						RPD = 8.32	
26 4,4'-DDT							
1	5.150	5.148	0.002	1988541263H	40.0	43.2	
2	5.633	5.635	-0.002	2306075406H	40.0	43.3	
						RPD = 0.33	
27 Endosulfan sulfate							
1	5.373	5.372	0.001	2653773042H	40.0	37.4	
2	5.790	5.792	-0.002	2807820962H	40.0	39.0	
						RPD = 4.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.643	5.642	0.001	5322095200H	201.5	212.5	
2	5.940	5.942	-0.002	7153480032H	201.5	220.8	
						RPD = 3.86	
29 Endrin ketone							
1	5.810	5.808	0.002	2826135483H	40.3	38.1	
2	6.093	6.095	-0.002	3003466711H	40.3	40.7	
						RPD = 6.44	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.553	6.552	0.001	6201405697H	80.3	76.1	
2	7.140	7.142	-0.002	5044379845H	80.3	76.3	
						RPD = 0.35	
S 32 Total DDTs							
1						43.2	
2						43.3	
						RPD = 0.33	
S 33 Endosulfan, Total							
1						56.9	
2						61.3	
						RPD = 7.47	

Reagents:

GCS_MIXA6_00008 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:05 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.012.D

Injection Date: 25-Jan-2023 02:03:00 Instrument ID: 9147

Lims ID: ic 6

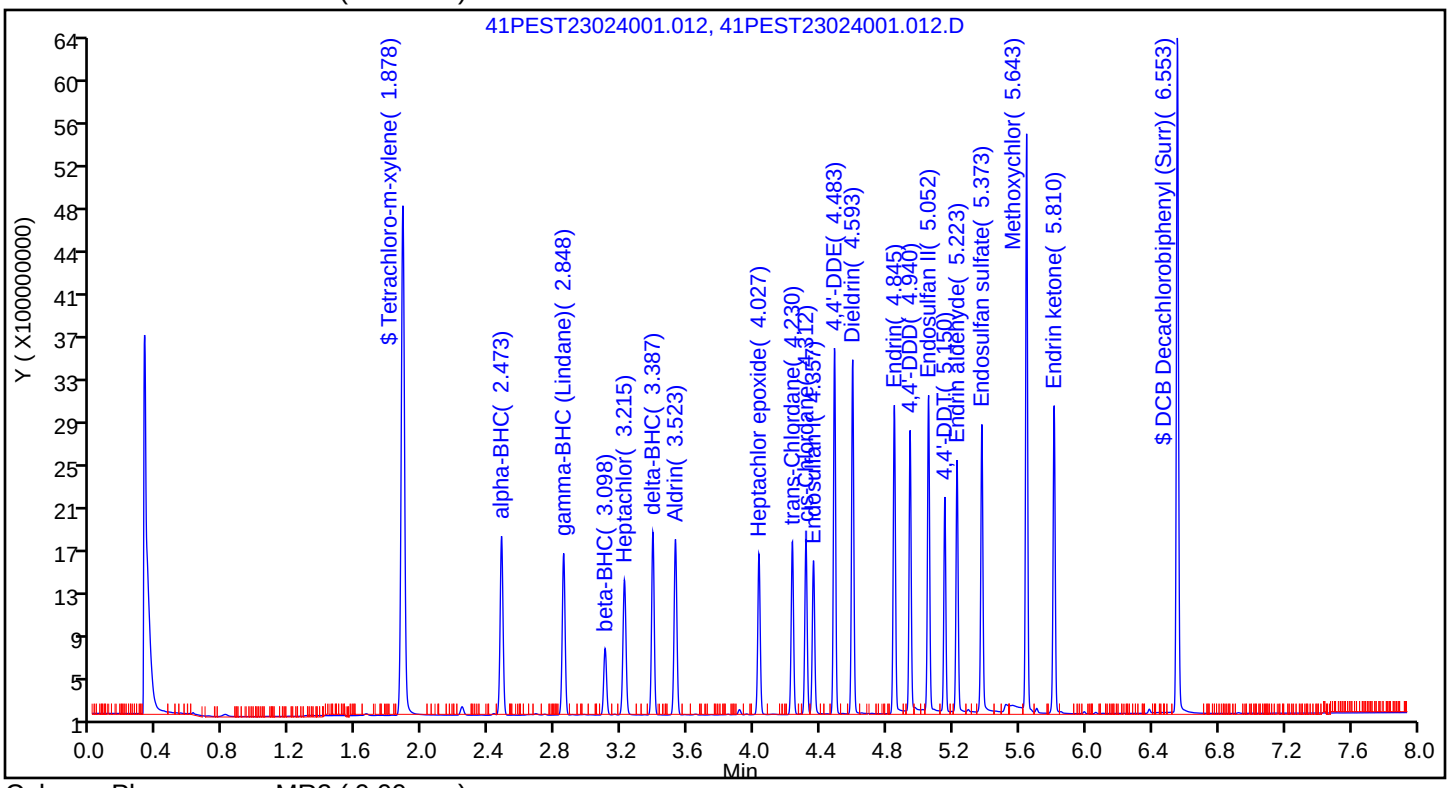
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

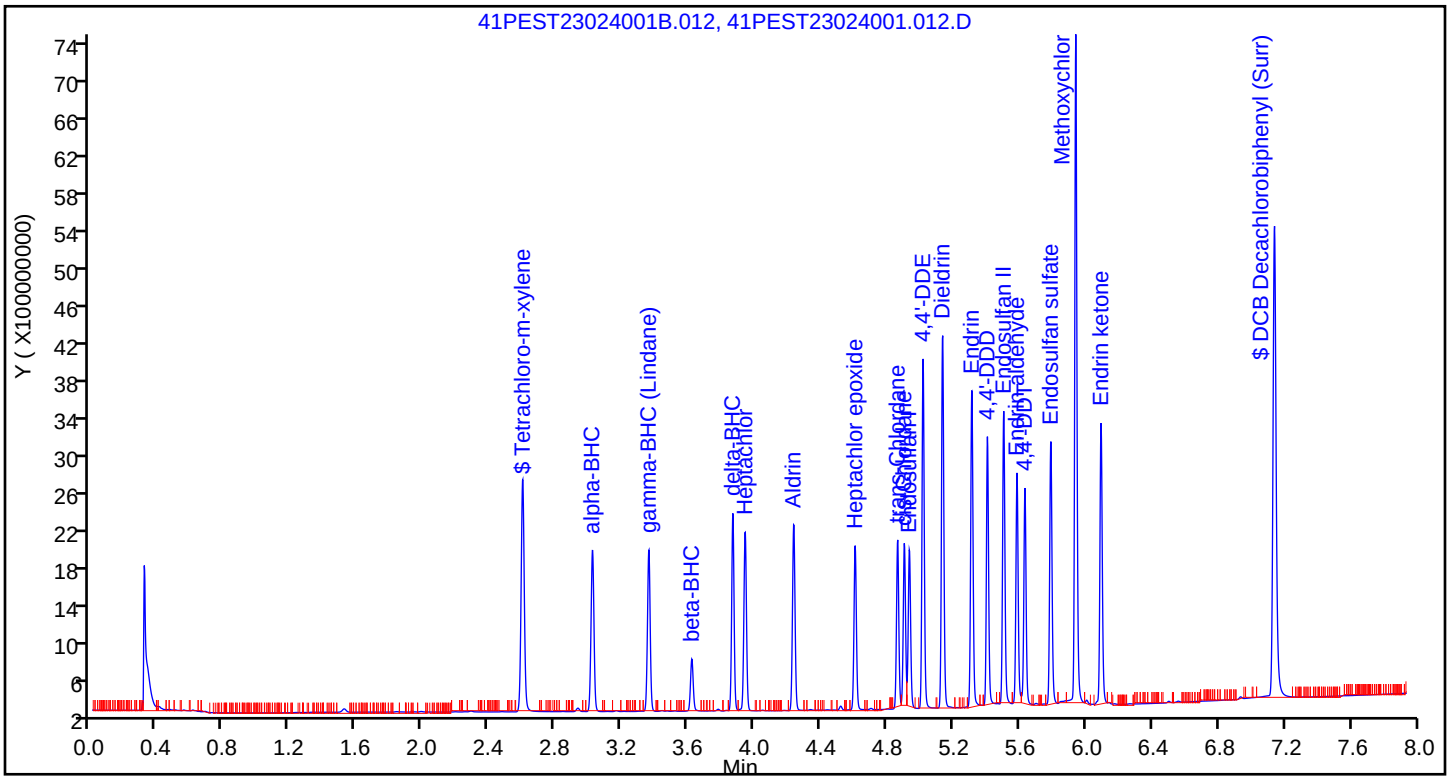
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Calibration / Tetrachloro-m-xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

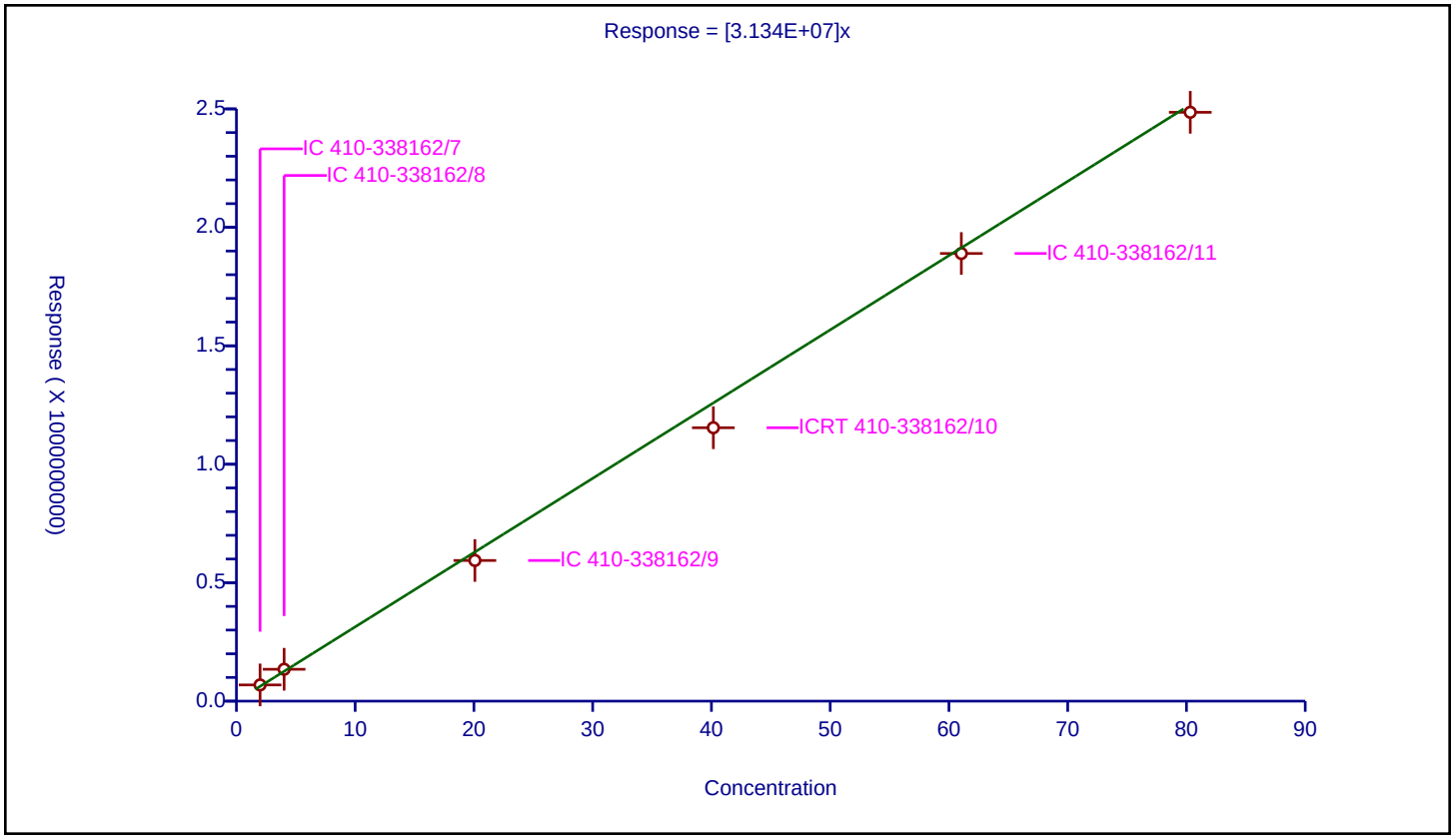
Curve Coefficients

Intercept:	0
Slope:	3.134E+07

Error Coefficients

Standard Error:	52800000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	1.991936	68463980.0			34370572.146896	Y
2	IC 410-338162/8	4.016	134490533.0			33488678.535857	Y
3	IC 410-338162/9	20.08	593761014.0			29569771.613546	Y
4	ICRT 410-338162/10	40.16	1154123767.0			28738141.608566	Y
5	IC 410-338162/11	61.0432	1889636721.0			30955728.418563	Y
6	IC 410-338162/12	80.32	2485642257.0			30946741.24751	Y



Calibration / alpha-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

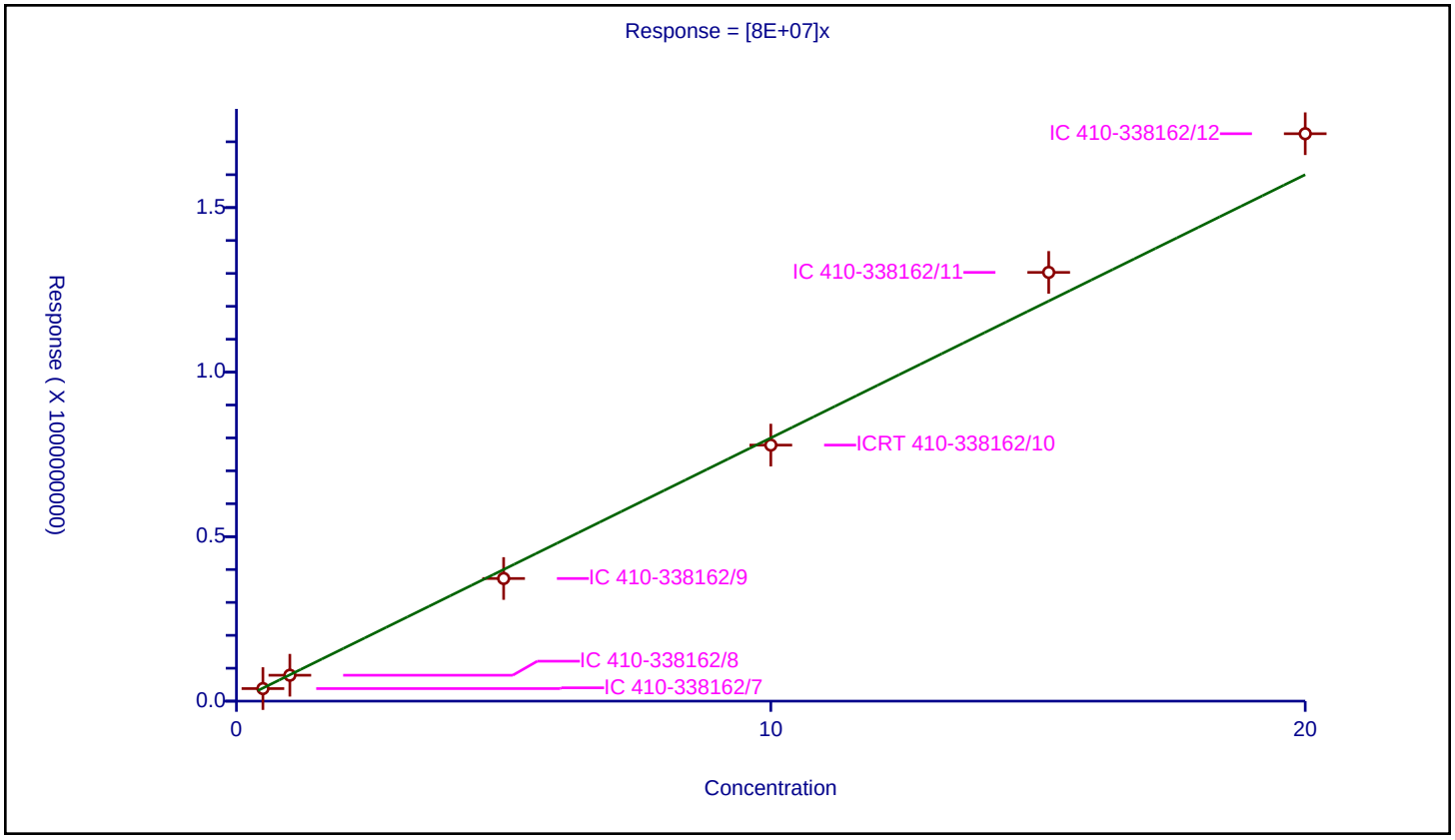
Curve Coefficients

Intercept:	0
Slope:	8E+07

Error Coefficients

Standard Error:	69700000
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 410-338162/7	0.496	38173225.0			76962147.177419	Y
2	IC 410-338162/8	1.0	78739236.0			78739236.0	Y
3	IC 410-338162/9	5.0	372719373.0			74543874.6	Y
4	ICRT 410-338162/10	10.0	778170626.0			77817062.6	Y
5	IC 410-338162/11	15.2	1303075506.0			85728651.710526	Y
6	IC 410-338162/12	20.0	1724560773.0			86228038.65	Y



Calibration / gamma-BHC (Lindane)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

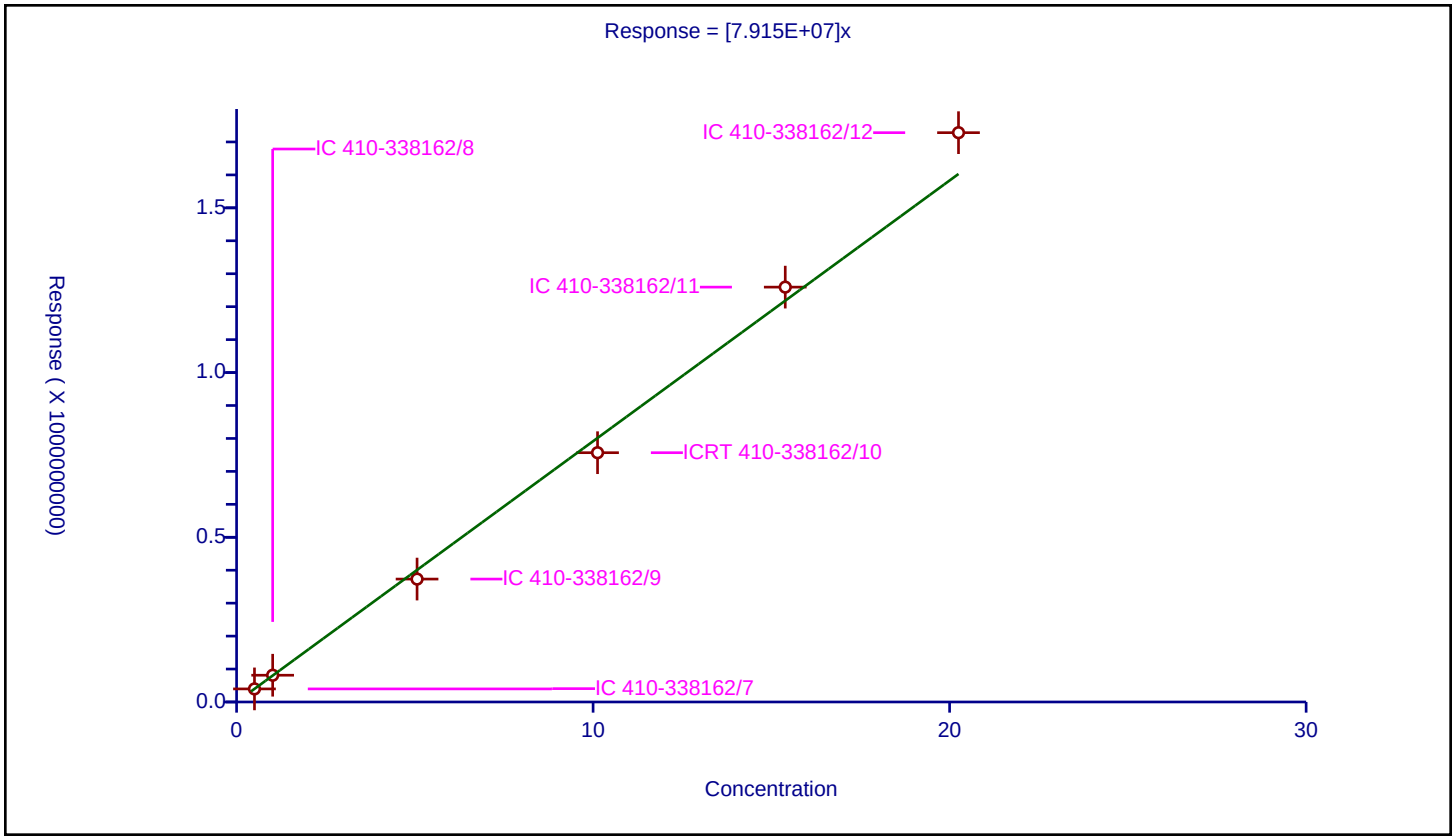
Curve Coefficients

Intercept:	0
Slope:	7.915E+07

Error Coefficients

Standard Error:	63500000
Relative Standard Error:	5.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	39724787.0			79101527.279968	Y
2	IC 410-338162/8	1.0125	81201114.0			80198631.111111	Y
3	IC 410-338162/9	5.0625	373104995.0			73699752.098765	Y
4	ICRT 410-338162/10	10.125	756726759.0			74738445.333333	Y
5	IC 410-338162/11	15.39	1259320290.0			81827179.337232	Y
6	IC 410-338162/12	20.25	1728198739.0			85343147.604938	Y



Calibration / beta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

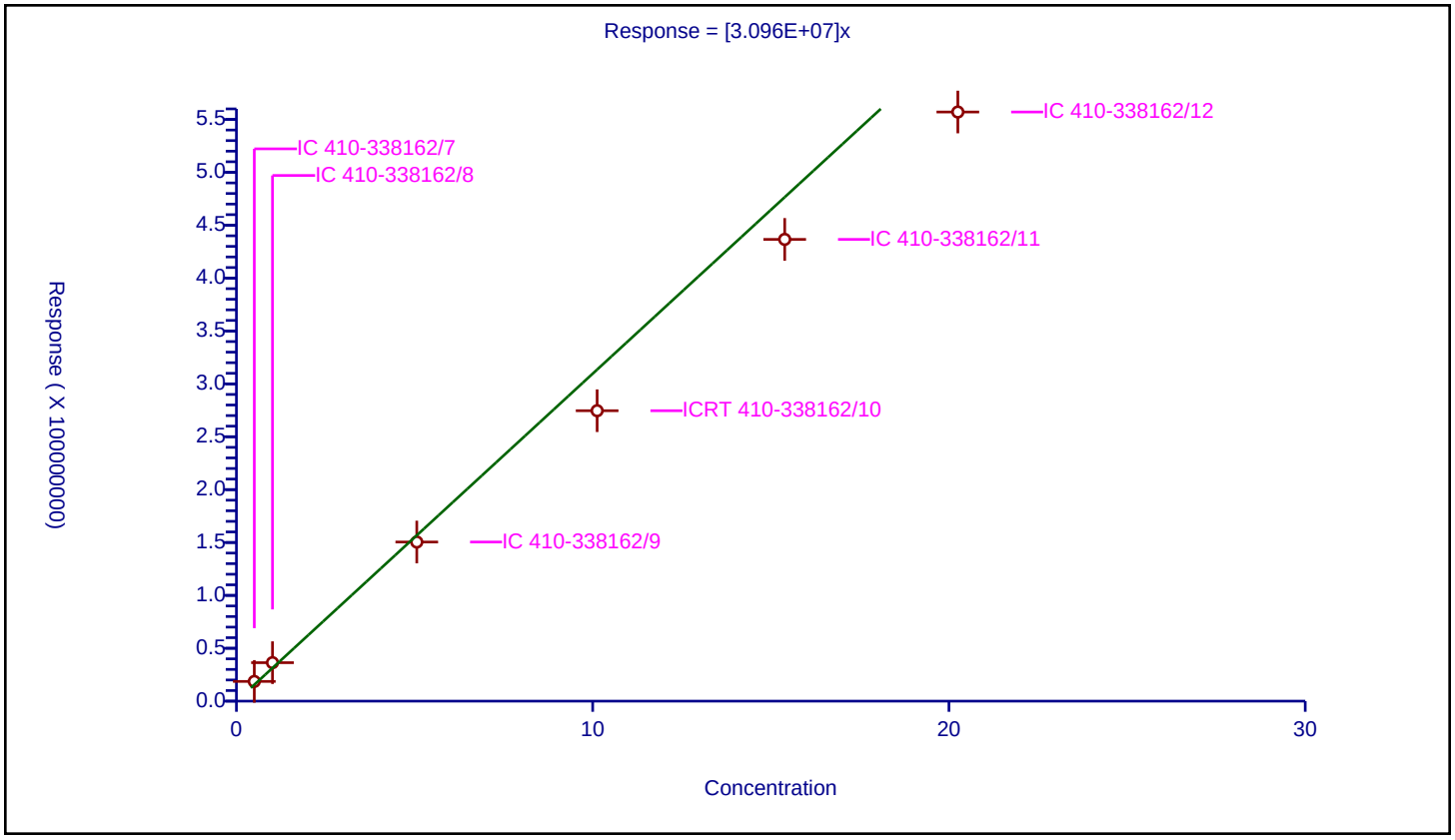
Curve Coefficients

Intercept:	0
Slope:	3.096E+07

Error Coefficients

Standard Error:	40200000
Relative Standard Error:	14.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	18647488.0			37131596.973317	Y
2	IC 410-338162/8	1.0125	36373201.0			35924149.135803	Y
3	IC 410-338162/9	5.0625	150464215.0			29721326.419753	Y
4	ICRT 410-338162/10	10.125	274612309.0			27122203.358025	Y
5	IC 410-338162/11	15.39	436607093.0			28369531.708902	Y
6	IC 410-338162/12	20.25	557046860.0			27508486.91358	Y



Calibration / delta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

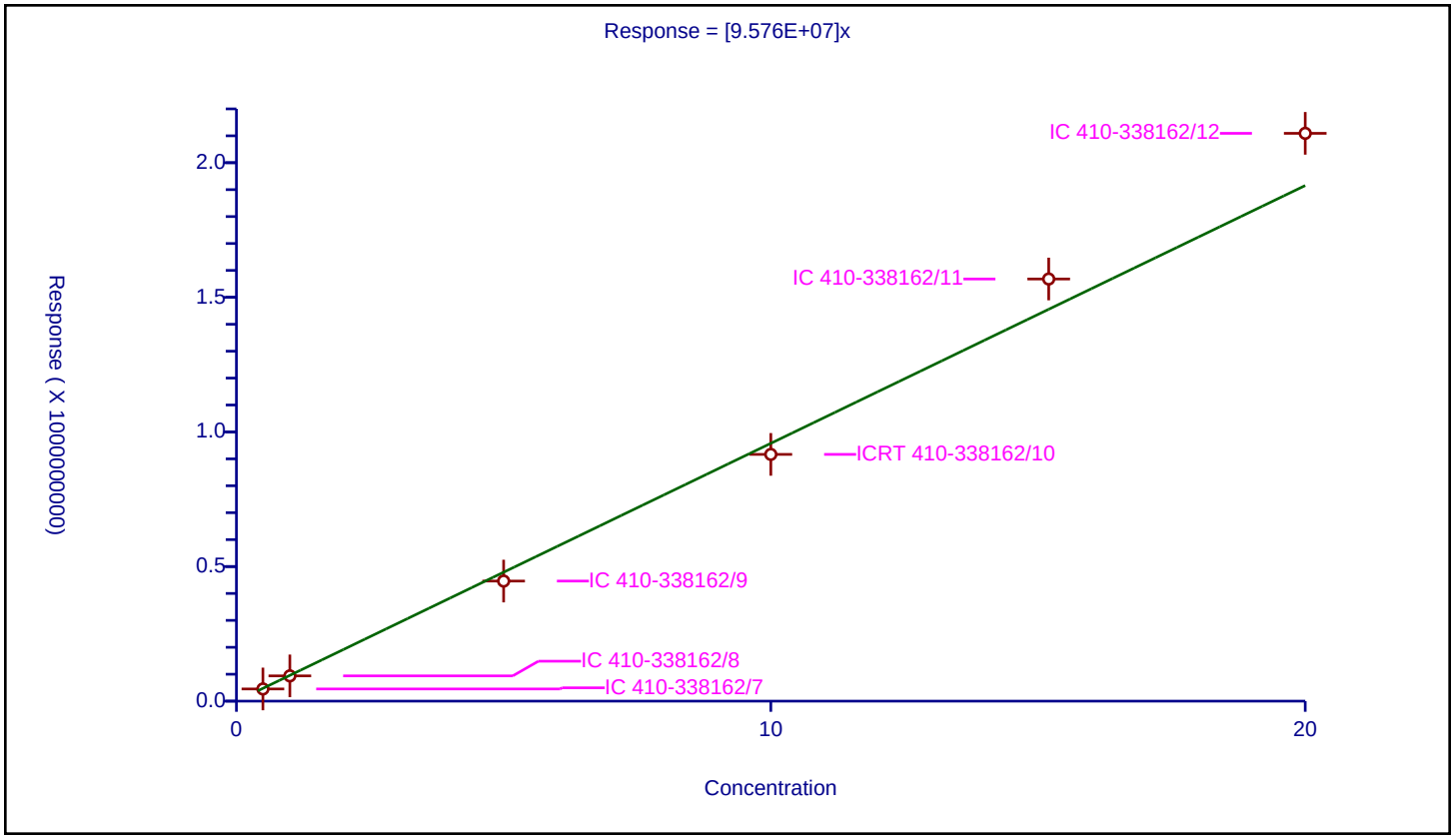
Curve Coefficients

Intercept:	0
Slope:	9.576E+07

Error Coefficients

Standard Error:	103000000
Relative Standard Error:	7.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.496	45270132.0			91270427.419355	Y
2	IC 410-338162/8	1.0	93821875.0			93821875.0	Y
3	IC 410-338162/9	5.0	446060038.0			89212007.6	Y
4	ICRT 410-338162/10	10.0	916567963.0			91656796.3	Y
5	IC 410-338162/11	15.2	1568113515.0			103165362.828947	Y
6	IC 410-338162/12	20.0	2109145282.0			105457264.1	Y



Calibration / Heptachlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

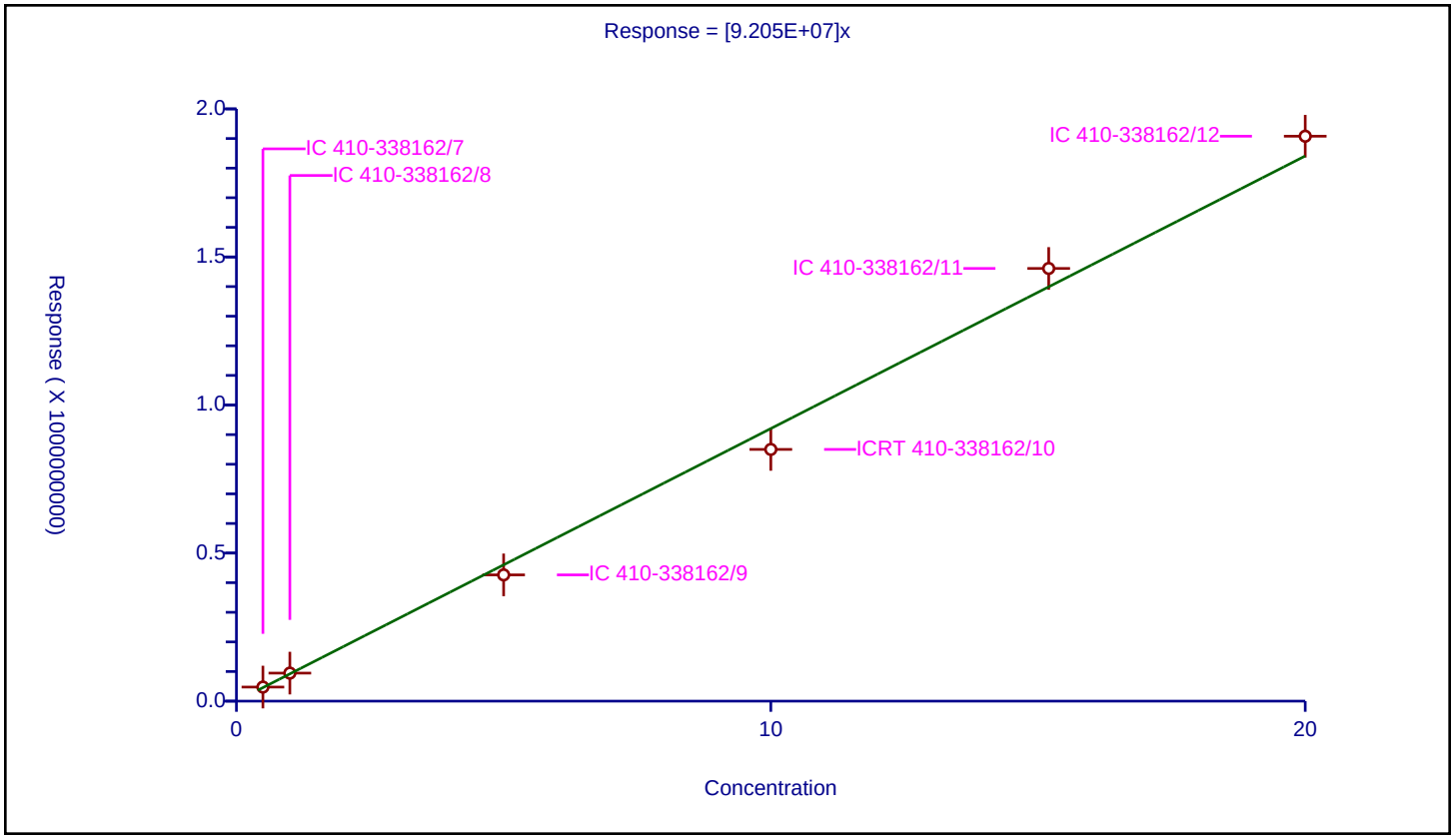
Curve Coefficients

Intercept:	0
Slope:	9.205E+07

Error Coefficients

Standard Error:	53700000
Relative Standard Error:	5.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.496	47506743.0			95779723.790323	Y
2	IC 410-338162/8	1.0	94706704.0			94706704.0	Y
3	IC 410-338162/9	5.0	426392493.0			85278498.6	Y
4	ICRT 410-338162/10	10.0	850043471.0			85004347.1	Y
5	IC 410-338162/11	15.2	1461143114.0			96127836.447368	Y
6	IC 410-338162/12	20.0	1907708338.0			95385416.9	Y



Calibration / Aldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

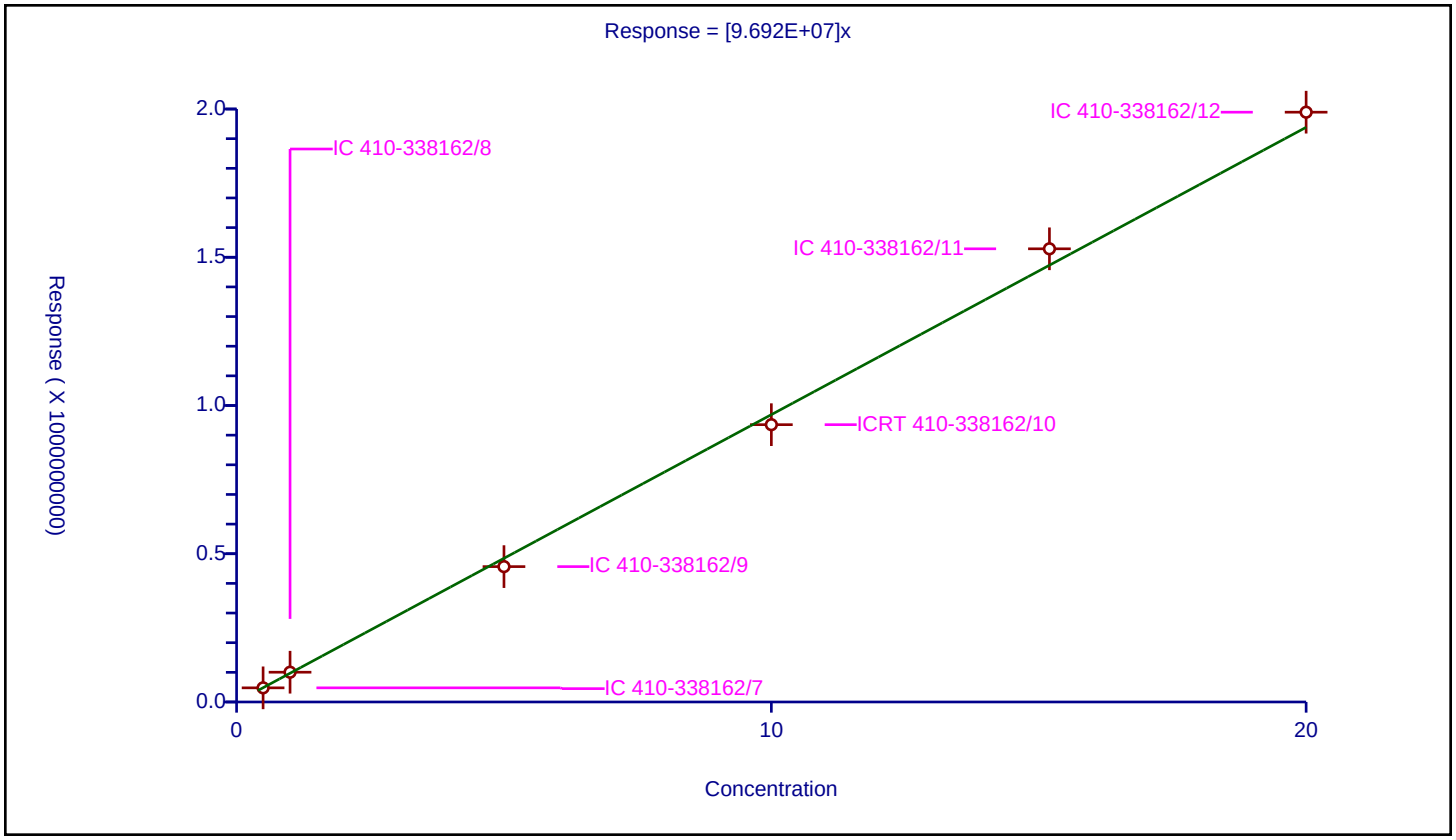
Curve Coefficients

Intercept:	0
Slope:	9.692E+07

Error Coefficients

Standard Error:	39000000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.496	47697104.0			96163516.129032	Y
2	IC 410-338162/8	1.0	100449795.0			100449795.0	Y
3	IC 410-338162/9	5.0	456608285.0			91321657.0	Y
4	ICRT 410-338162/10	10.0	935385521.0			93538552.1	Y
5	IC 410-338162/11	15.2	1528491029.0			100558620.328947	Y
6	IC 410-338162/12	20.0	1989301213.0			99465060.65	Y



Calibration / Heptachlor epoxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

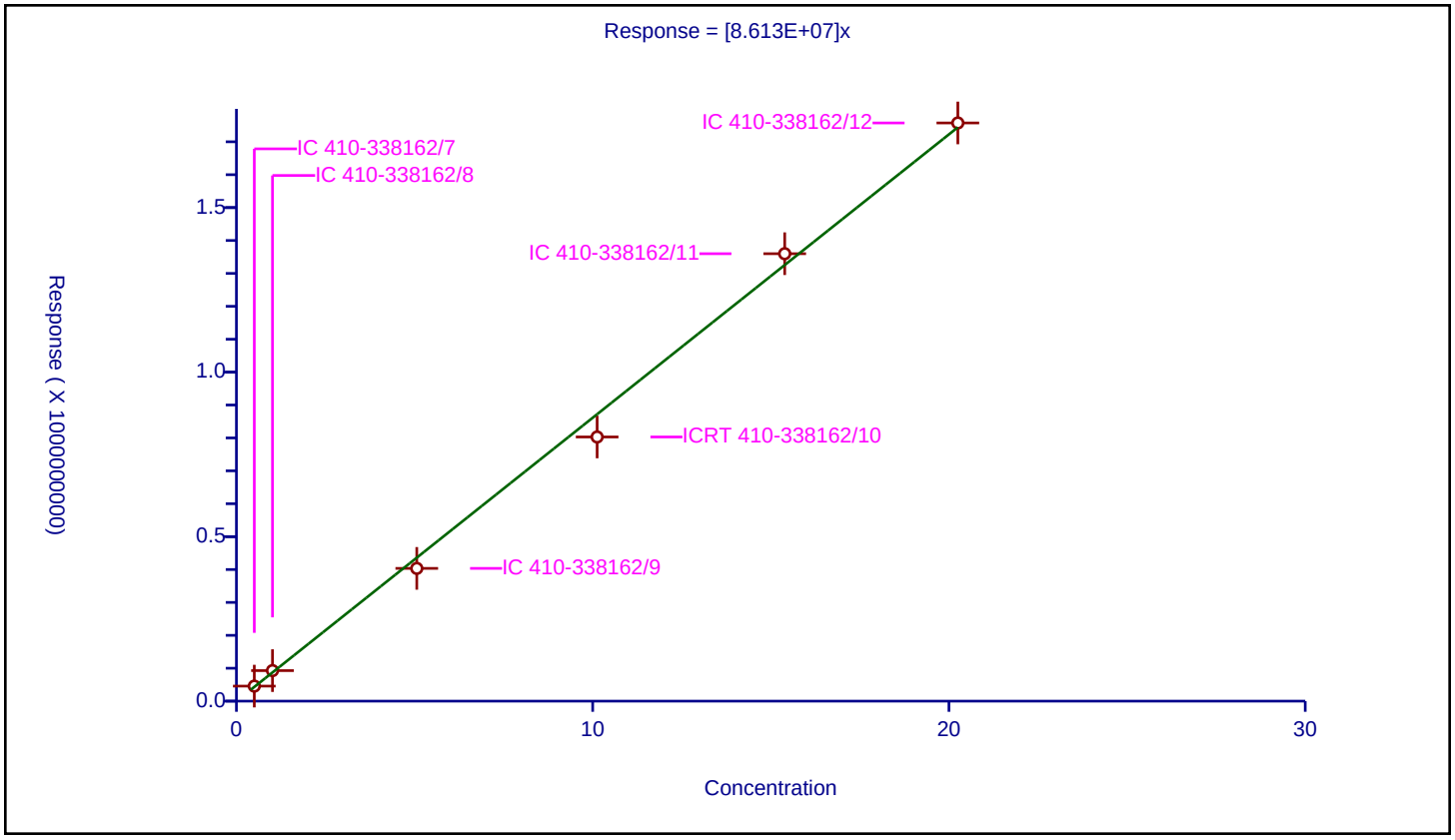
Curve Coefficients

Intercept:	0
Slope:	8.613E+07

Error Coefficients

Standard Error:	38000000
Relative Standard Error:	6.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	45675145.0			90950109.51812	Y
2	IC 410-338162/8	1.0125	92821875.0			91675925.925926	Y
3	IC 410-338162/9	5.0625	403463959.0			79696584.493827	Y
4	ICRT 410-338162/10	10.125	802900569.0			79298821.62963	Y
5	IC 410-338162/11	15.39	1359915894.0			88363605.847953	Y
6	IC 410-338162/12	20.25	1757242569.0			86777410.814815	Y



Calibration / trans-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

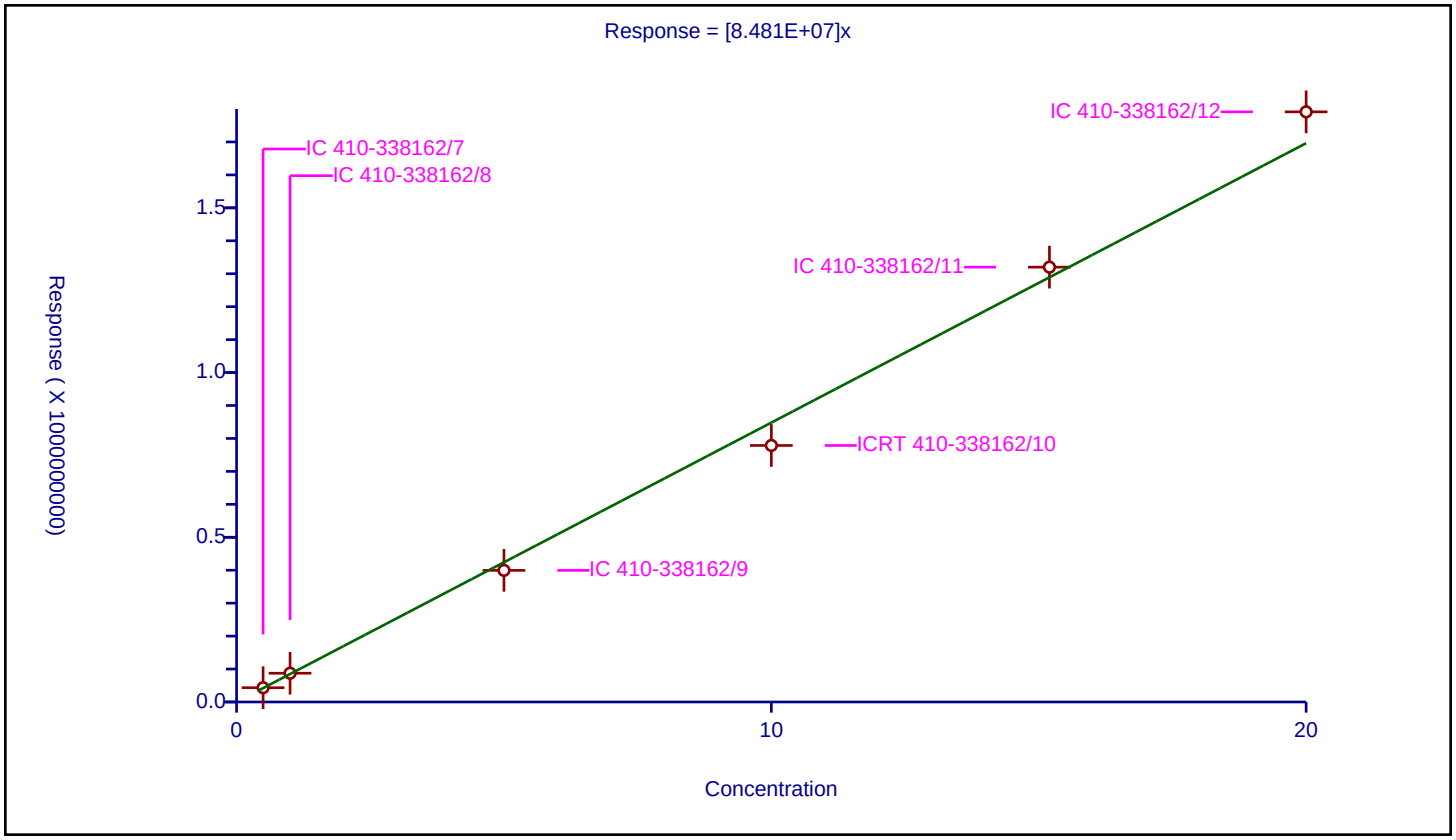
Curve Coefficients

Intercept:	0
Slope:	8.481E+07

Error Coefficients

Standard Error:	55600000
Relative Standard Error:	5.6
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.496	43348482.0			87396133.064516	Y
2	IC 410-338162/8	1.0	87267837.0			87267837.0	Y
3	IC 410-338162/9	5.0	399534170.0			79906834.0	Y
4	ICRT 410-338162/10	10.0	778675822.0			77867582.2	Y
5	IC 410-338162/11	15.2	1320007891.0			86842624.407895	Y
6	IC 410-338162/12	20.0	1791402353.0			89570117.65	Y



Calibration / cis-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

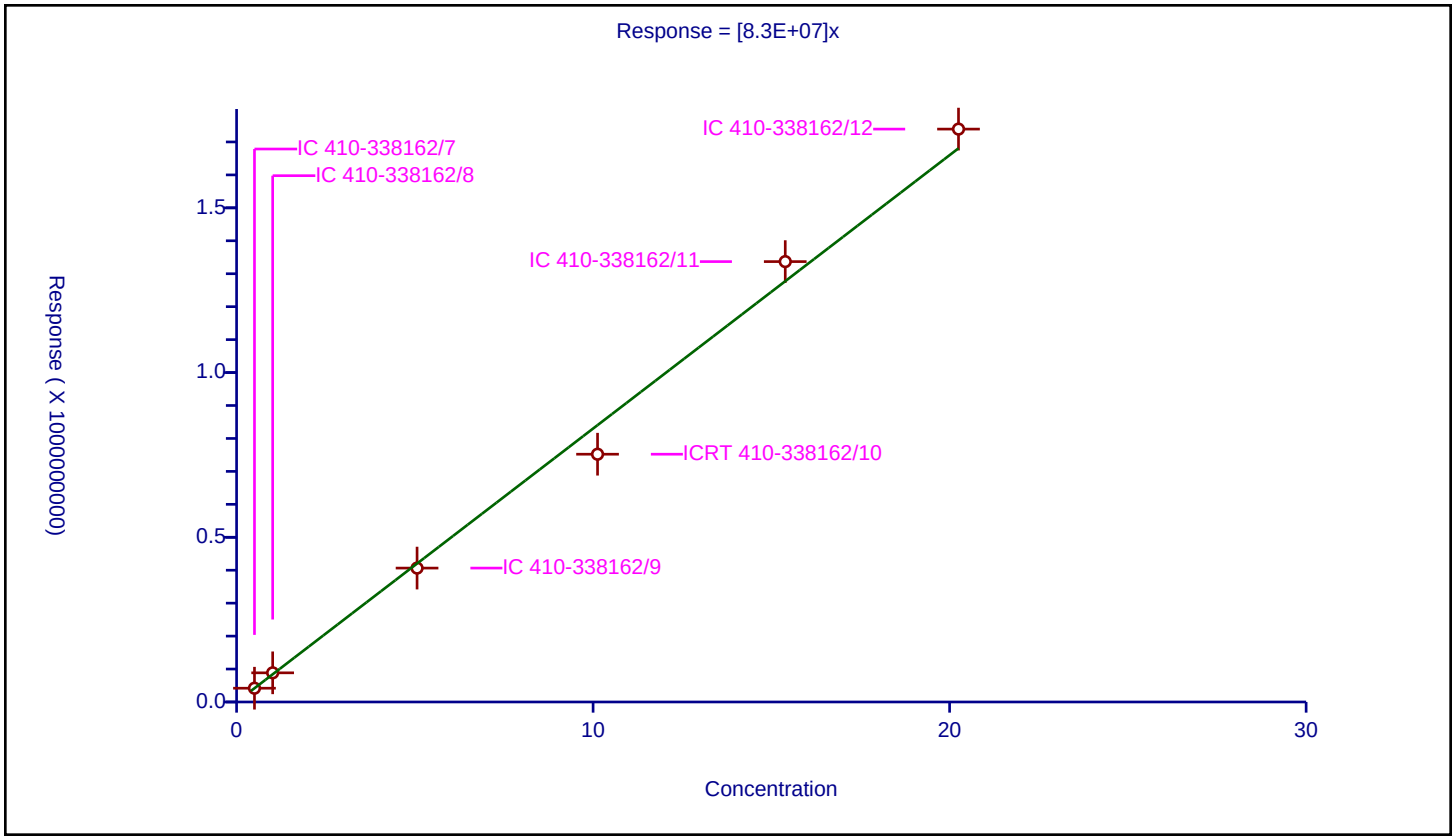
Curve Coefficients

Intercept:	0
Slope:	8.3E+07

Error Coefficients

Standard Error:	54700000
Relative Standard Error:	6.0
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	41829413.0			83292339.705297	Y
2	IC 410-338162/8	1.0125	88480652.0			87388298.271605	Y
3	IC 410-338162/9	5.0625	406463045.0			80288996.54321	Y
4	ICRT 410-338162/10	10.125	752087586.0			74280255.407407	Y
5	IC 410-338162/11	15.39	1336805442.0			86861952.046784	Y
6	IC 410-338162/12	20.25	1739044547.0			85878743.061728	Y



Calibration / Endosulfan I

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

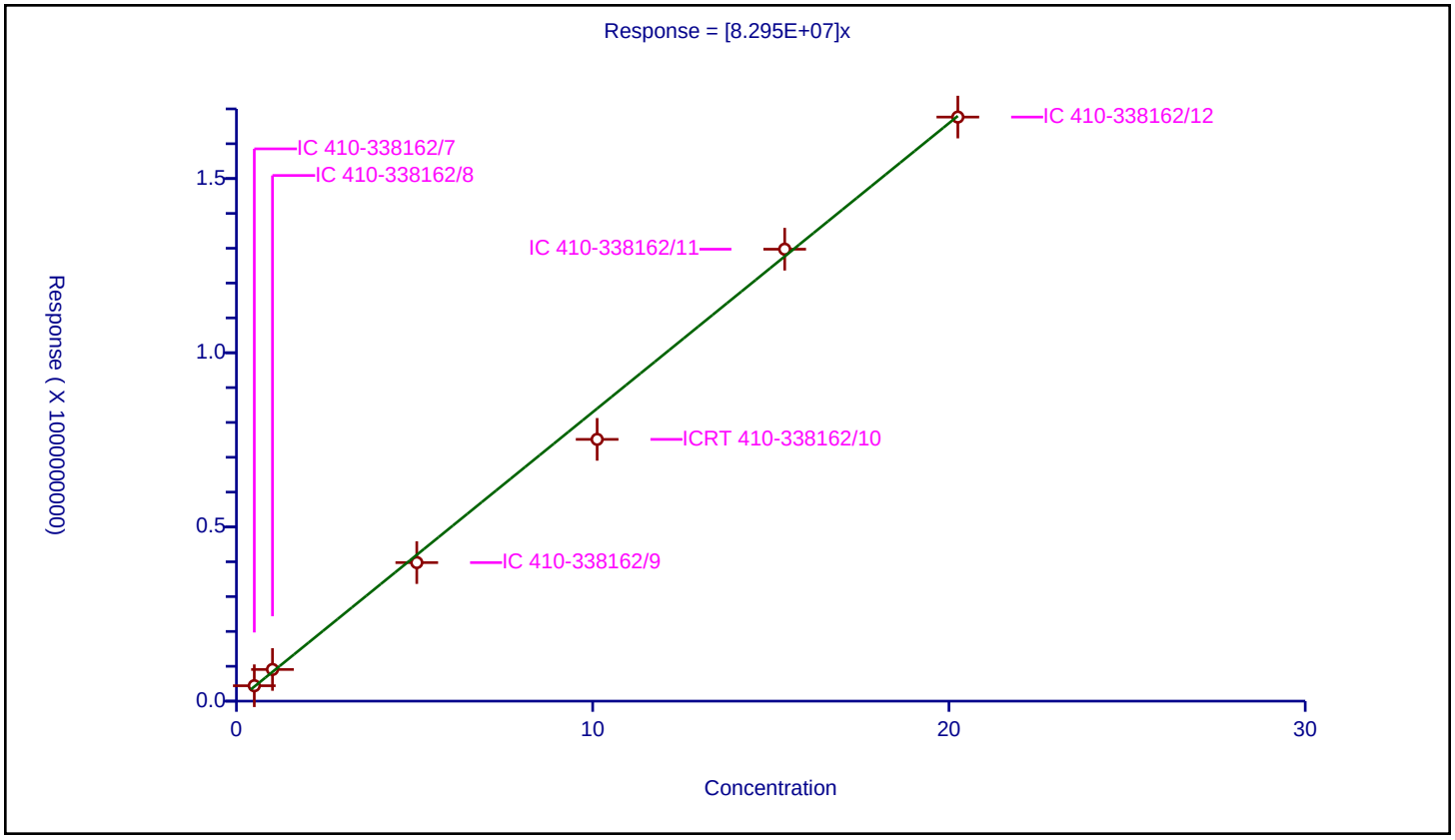
Curve Coefficients

Intercept:	0
Slope:	8.295E+07

Error Coefficients

Standard Error:	42000000
Relative Standard Error:	7.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.5022	44210469.0			88033590.203106	Y
2	IC 410-338162/8	1.0125	90913225.0			89790839.506173	Y
3	IC 410-338162/9	5.0625	397740534.0			78566031.407407	Y
4	ICRT 410-338162/10	10.125	751363047.0			74208696.0	Y
5	IC 410-338162/11	15.39	1297255958.0			84292135.022742	Y
6	IC 410-338162/12	20.25	1676506883.0			82790463.358025	Y



Calibration / 4,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

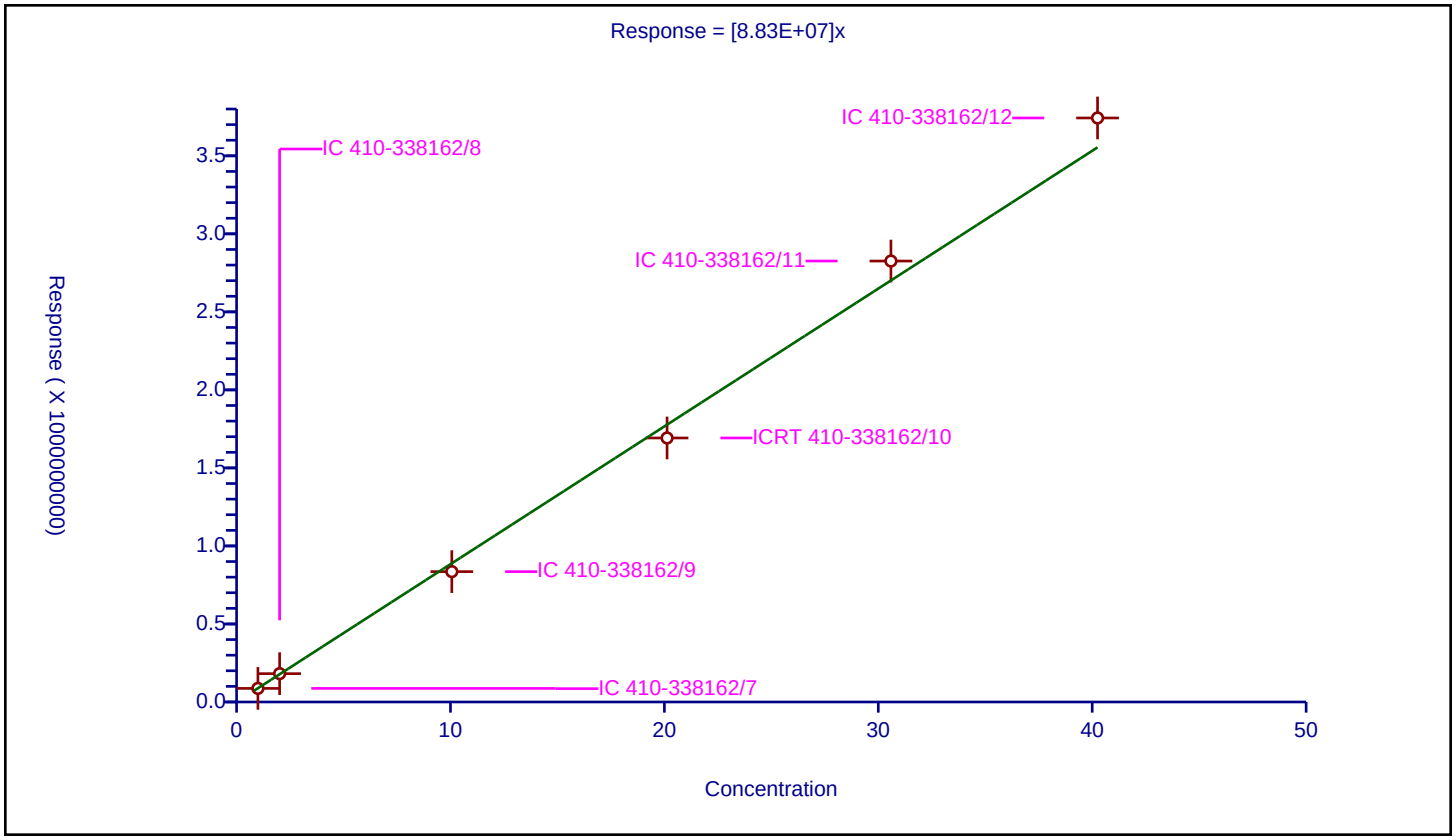
Curve Coefficients

Intercept:	0
Slope:	8.83E+07

Error Coefficients

Standard Error:	111000000
Relative Standard Error:	4.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.9982	86982854.0			87139705.469846	Y
2	IC 410-338162/8	2.0125	181605400.0			90238708.074534	Y
3	IC 410-338162/9	10.0625	835396950.0			83020814.906832	Y
4	ICRT 410-338162/10	20.125	1691905898.0			84069858.285714	Y
5	IC 410-338162/11	30.59	2825790894.0			92376295.979078	Y
6	IC 410-338162/12	40.25	3742550102.0			92982611.229814	Y



Calibration / Dieldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

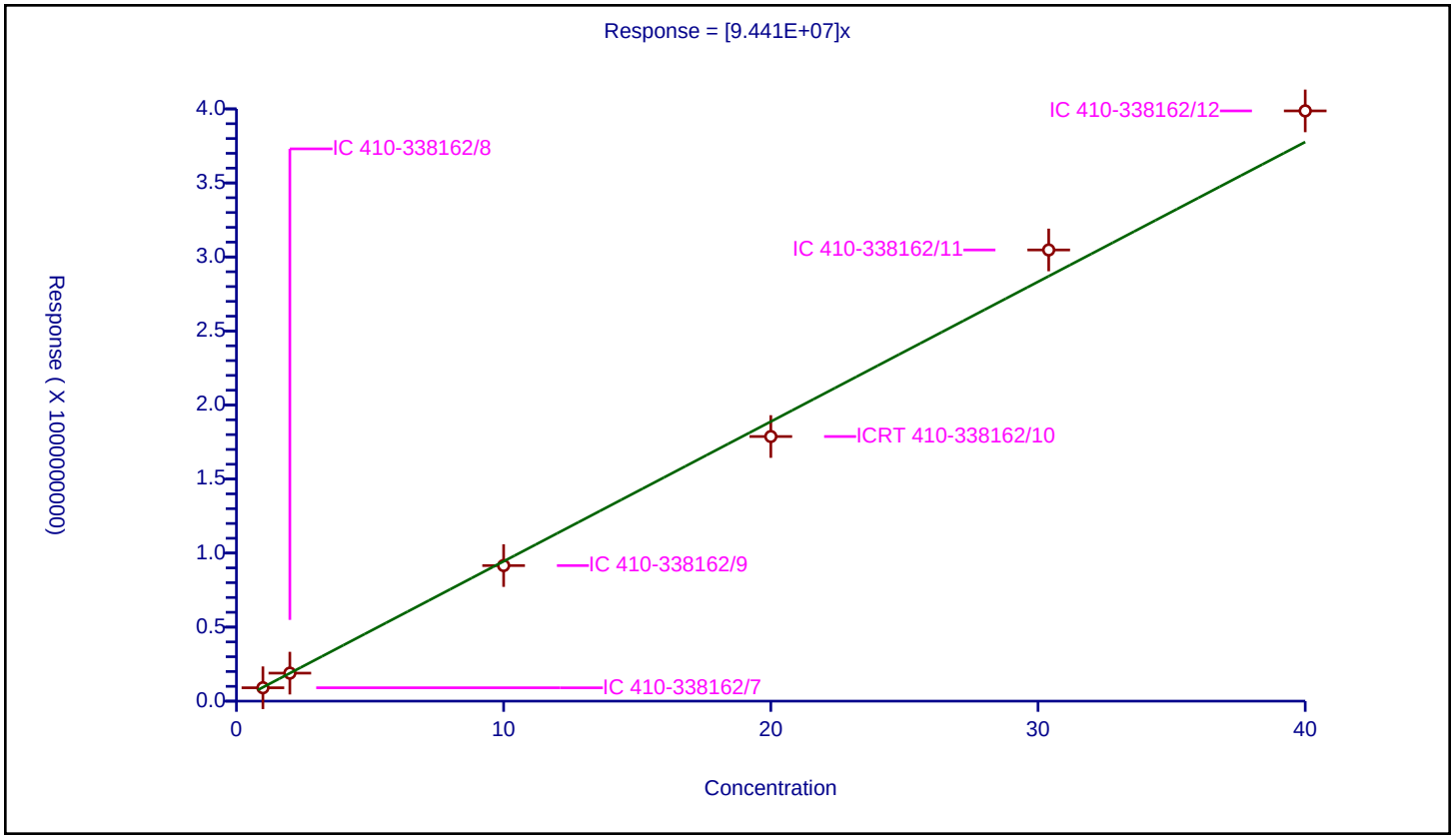
Curve Coefficients

Intercept:	0
Slope:	9.441E+07

Error Coefficients

Standard Error:	132000000
Relative Standard Error:	4.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	90312993.0			91041323.58871	Y
2	IC 410-338162/8	2.0	189185437.0			94592718.5	Y
3	IC 410-338162/9	10.0	915679949.0			91567994.9	Y
4	ICRT 410-338162/10	20.0	1787196643.0			89359832.15	Y
5	IC 410-338162/11	30.4	3047299742.0			100240123.092105	Y
6	IC 410-338162/12	40.0	3986548157.0			99663703.925	Y



Calibration / Endrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

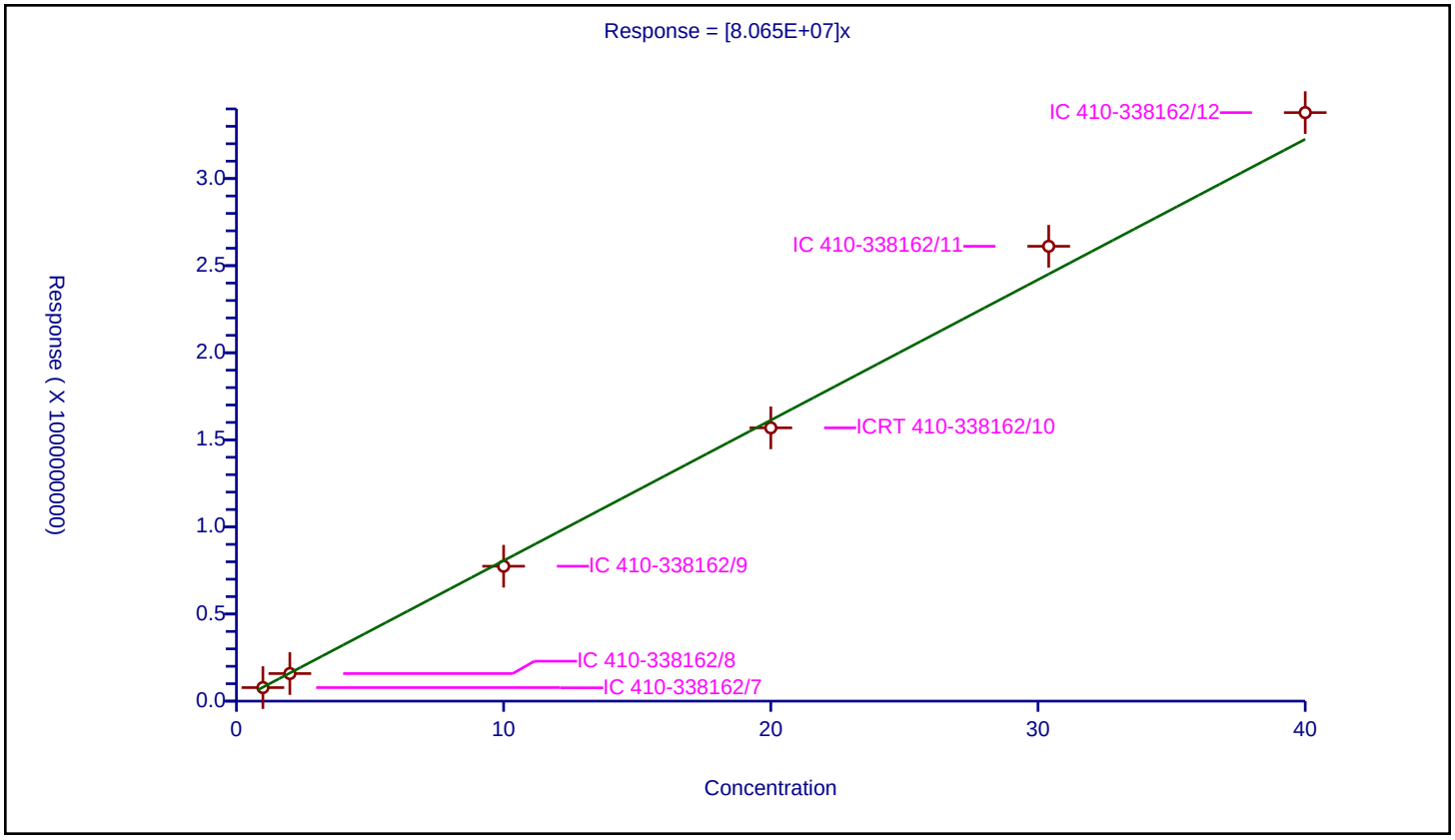
Curve Coefficients

Intercept:	0
Slope:	8.065E+07

Error Coefficients

Standard Error:	102000000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	77825117.0			78452738.91129	Y
2	IC 410-338162/8	2.0	158358549.0			79179274.5	Y
3	IC 410-338162/9	10.0	774514117.0			77451411.7	Y
4	ICRT 410-338162/10	20.0	1568987488.0			78449374.4	Y
5	IC 410-338162/11	30.4	2611255457.0			85896561.085526	Y
6	IC 410-338162/12	40.0	3378783127.0			84469578.175	Y



Calibration / 4,4'-DDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

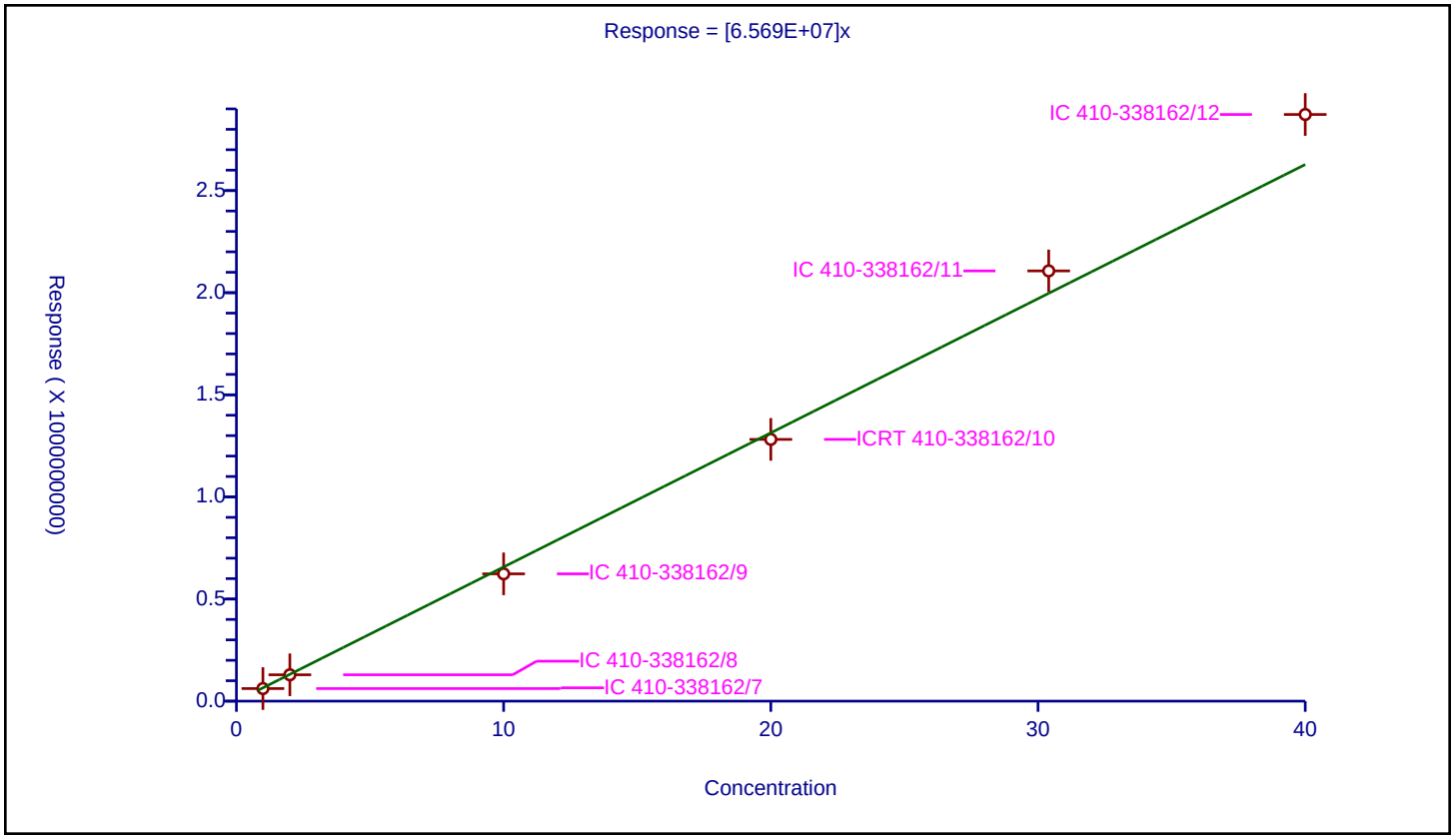
Curve Coefficients

Intercept:	0
Slope:	6.569E+07

Error Coefficients

Standard Error:	122000000
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 410-338162/7	0.992	61605553.0			62102371.975807	Y
2	IC 410-338162/8	2.0	128990995.0			64495497.5	Y
3	IC 410-338162/9	10.0	623326492.0			62332649.2	Y
4	ICRT 410-338162/10	20.0	1281720117.0			64086005.85	Y
5	IC 410-338162/11	30.4	2106735310.0			69300503.618421	Y
6	IC 410-338162/12	40.0	2872671290.0			71816782.25	Y



Calibration / Endosulfan II

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

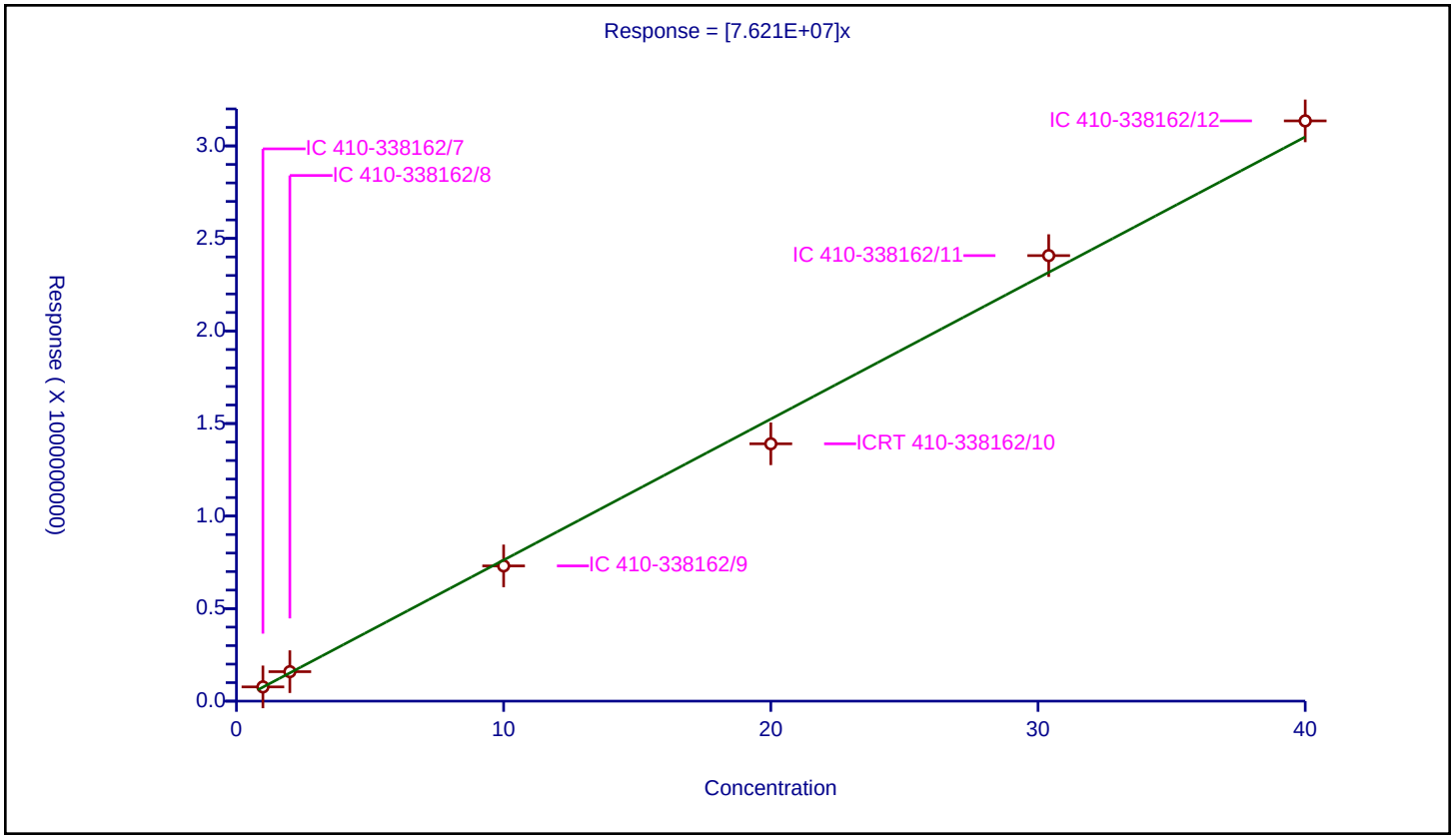
Curve Coefficients

Intercept:	0
Slope:	7.621E+07

Error Coefficients

Standard Error:	83200000
Relative Standard Error:	5.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	76881826.0			77501840.725806	Y
2	IC 410-338162/8	2.0	159240699.0			79620349.5	Y
3	IC 410-338162/9	10.0	730700323.0			73070032.3	Y
4	ICRT 410-338162/10	20.0	1390478365.0			69523918.25	Y
5	IC 410-338162/11	30.4	2407301767.0			79187558.125	Y
6	IC 410-338162/12	40.0	3135172342.0			78379308.55	Y



Calibration / Endrin aldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

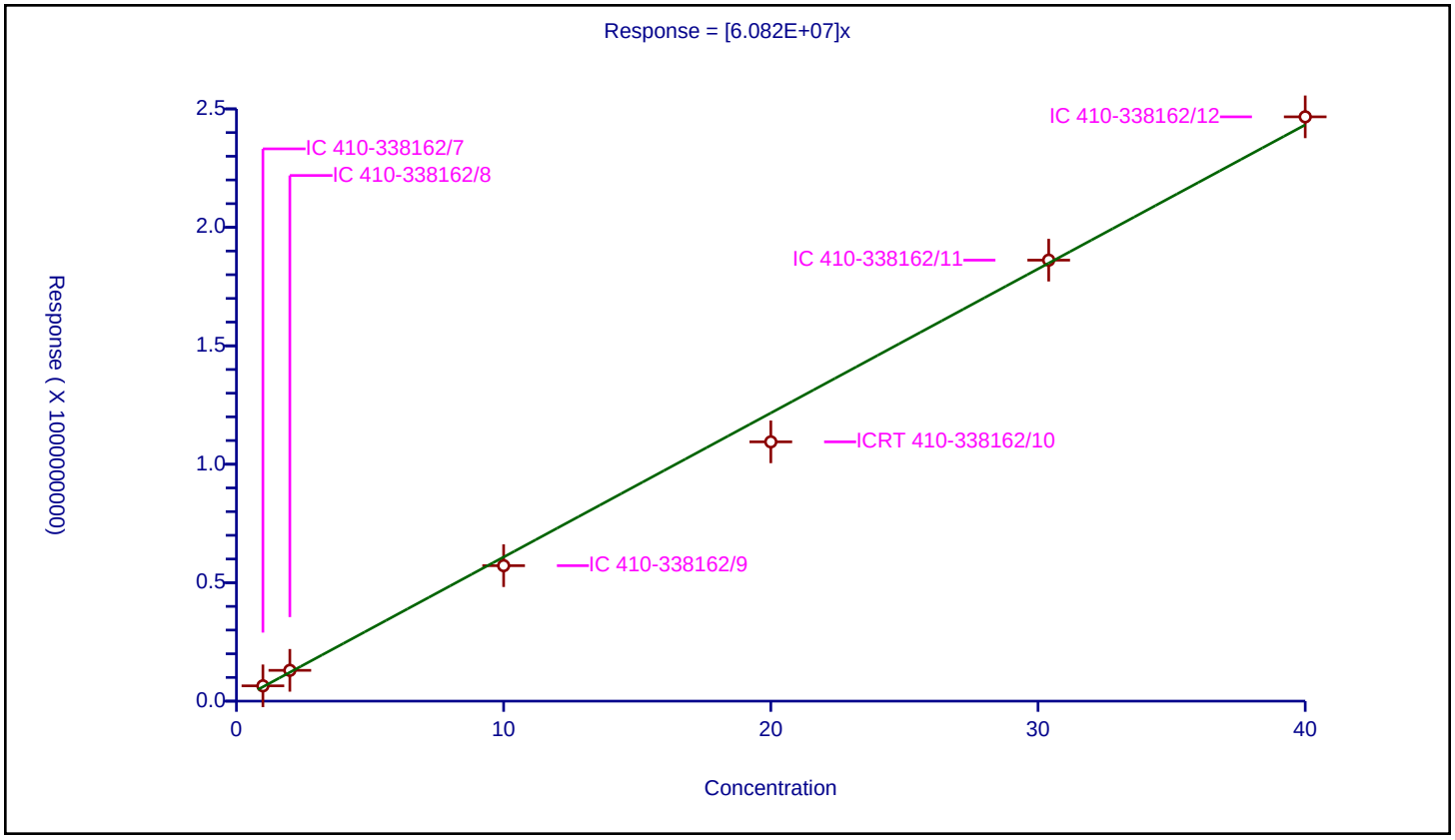
Curve Coefficients

Intercept:	0
Slope:	6.082E+07

Error Coefficients

Standard Error:	59300000
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 410-338162/7	0.992	64547214.0			65067756.048387	Y
2	IC 410-338162/8	2.0	130047315.0			65023657.5	Y
3	IC 410-338162/9	10.0	571832691.0			57183269.1	Y
4	ICRT 410-338162/10	20.0	1094517610.0			54725880.5	Y
5	IC 410-338162/11	30.4	1861552775.0			61235288.651316	Y
6	IC 410-338162/12	40.0	2466550884.0			61663772.1	Y



Calibration / 4,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

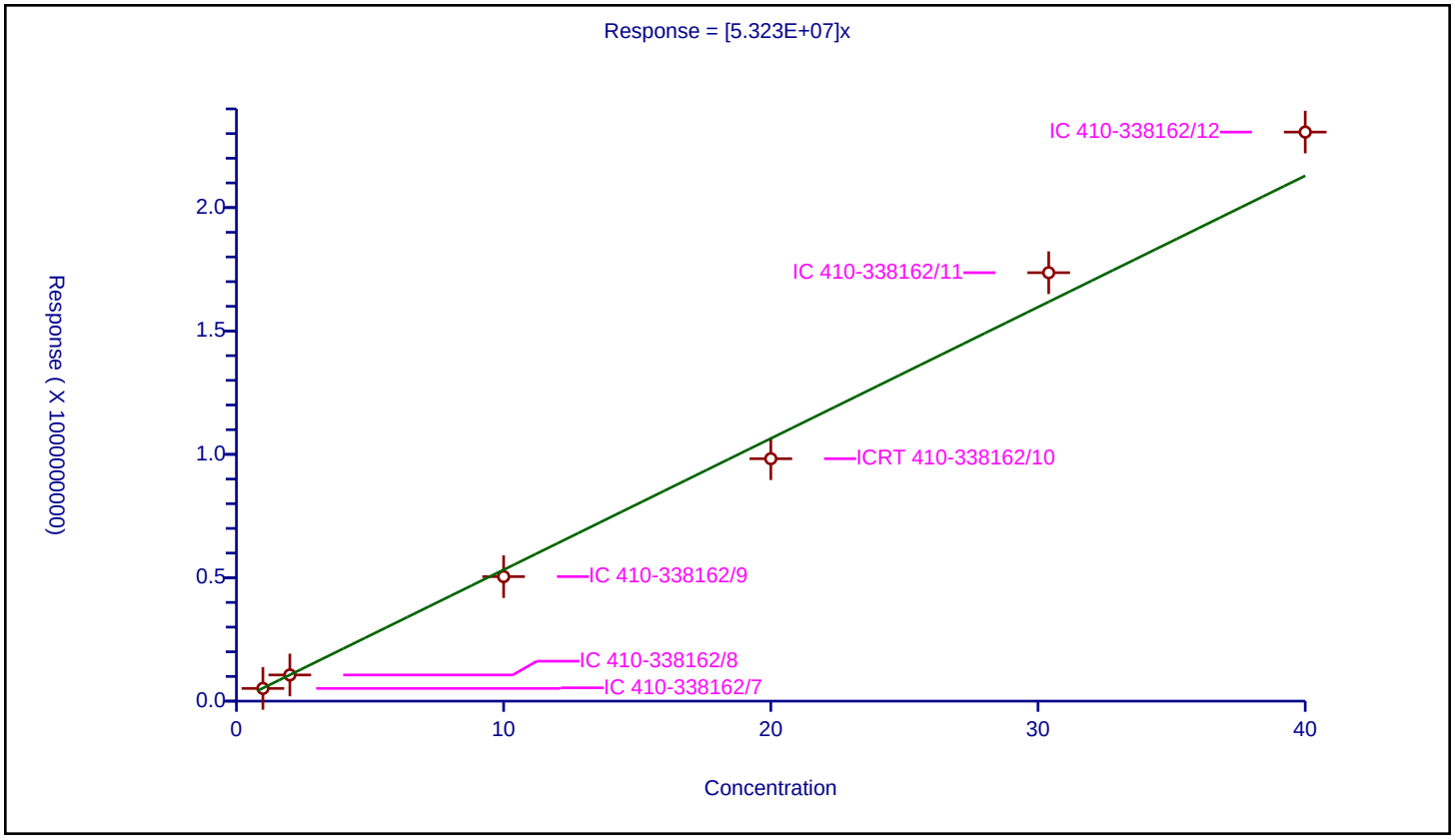
Curve Coefficients

Intercept:	0
Slope:	5.323E+07

Error Coefficients

Standard Error:	103000000
Relative Standard Error:	6.6
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	51561716.0			51977536.290323	Y
2	IC 410-338162/8	2.0	106052143.0			53026071.5	Y
3	IC 410-338162/9	10.0	504620081.0			50462008.1	Y
4	ICRT 410-338162/10	20.0	982428306.0			49121415.3	Y
5	IC 410-338162/11	30.4	1736225363.0			57112676.414474	Y
6	IC 410-338162/12	40.0	2306075406.0			57651885.15	Y



Calibration / Endosulfan sulfate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

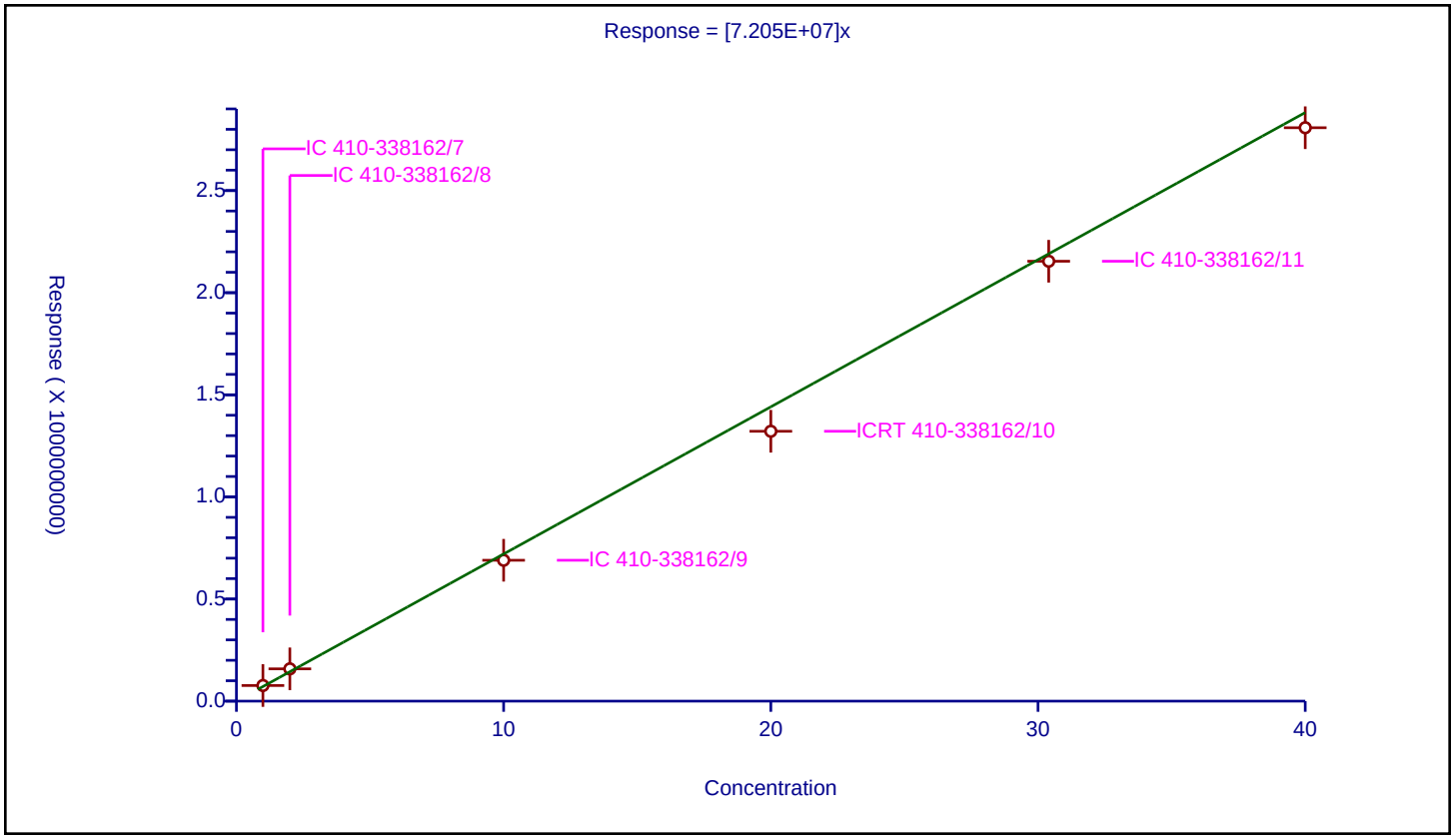
Curve Coefficients

Intercept:	0
Slope:	7.205E+07

Error Coefficients

Standard Error:	66700000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	0.992	76524608.0			77141741.935484	Y
2	IC 410-338162/8	2.0	158084362.0			79042181.0	Y
3	IC 410-338162/9	10.0	689886107.0			68988610.7	Y
4	ICRT 410-338162/10	20.0	1321500407.0			66075020.35	Y
5	IC 410-338162/11	30.4	2154005649.0			70855448.980263	Y
6	IC 410-338162/12	40.0	2807820962.0			70195524.05	Y



Calibration / Methoxychlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

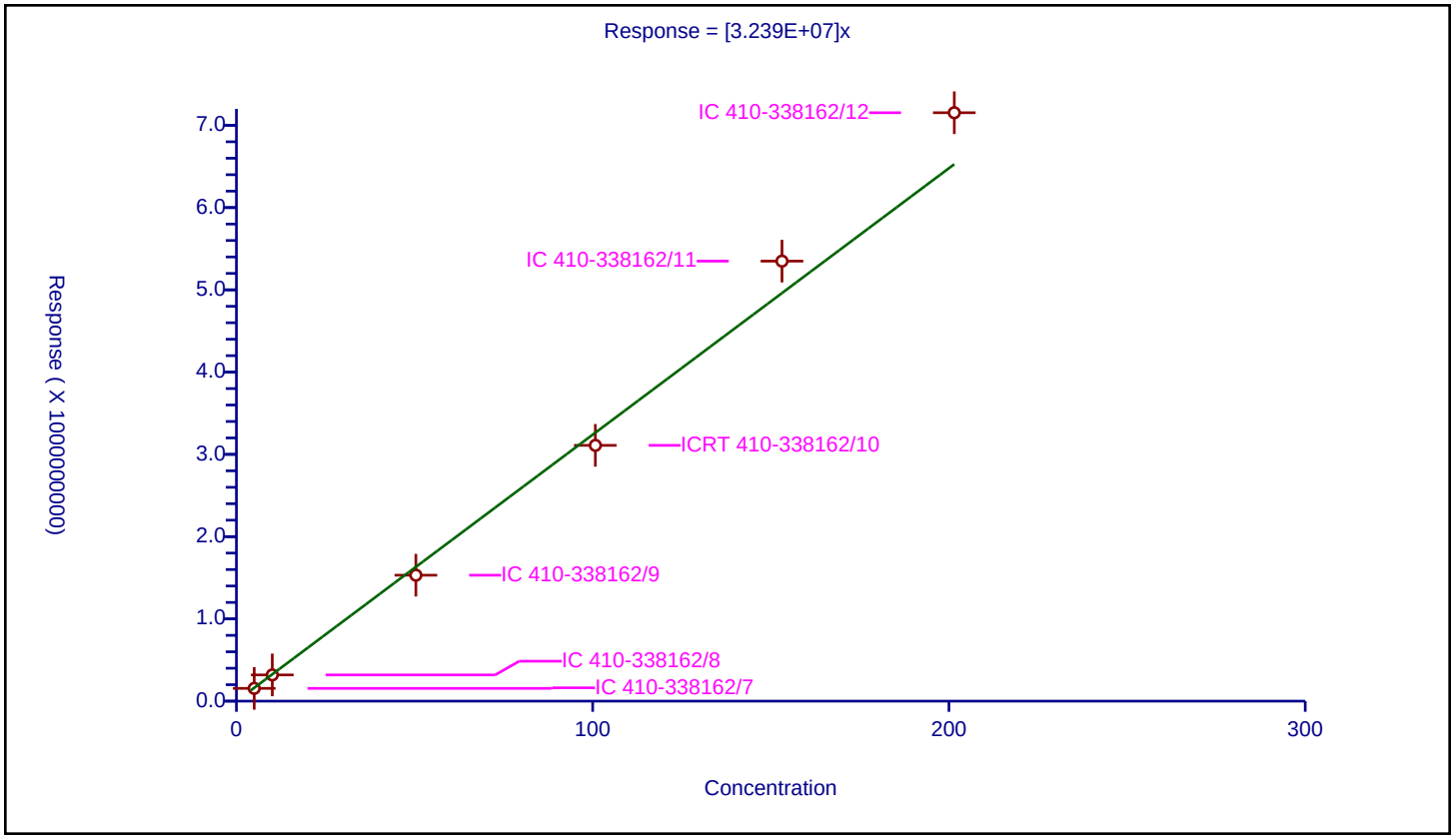
Curve Coefficients

Intercept:	0
Slope:	3.239E+07

Error Coefficients

Standard Error:	340000000
Relative Standard Error:	6.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	4.9972	155118737.0			31041130.433043	Y
2	IC 410-338162/8	10.075	318715491.0			31634291.91067	Y
3	IC 410-338162/9	50.375	1531087733.0			30393801.151365	Y
4	ICRT 410-338162/10	100.75	3109393344.0			30862464.952854	Y
5	IC 410-338162/11	153.14	5349293028.0			34930736.763746	Y
6	IC 410-338162/12	201.5	7153480032.0			35501141.598015	Y



Calibration / Endrin ketone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

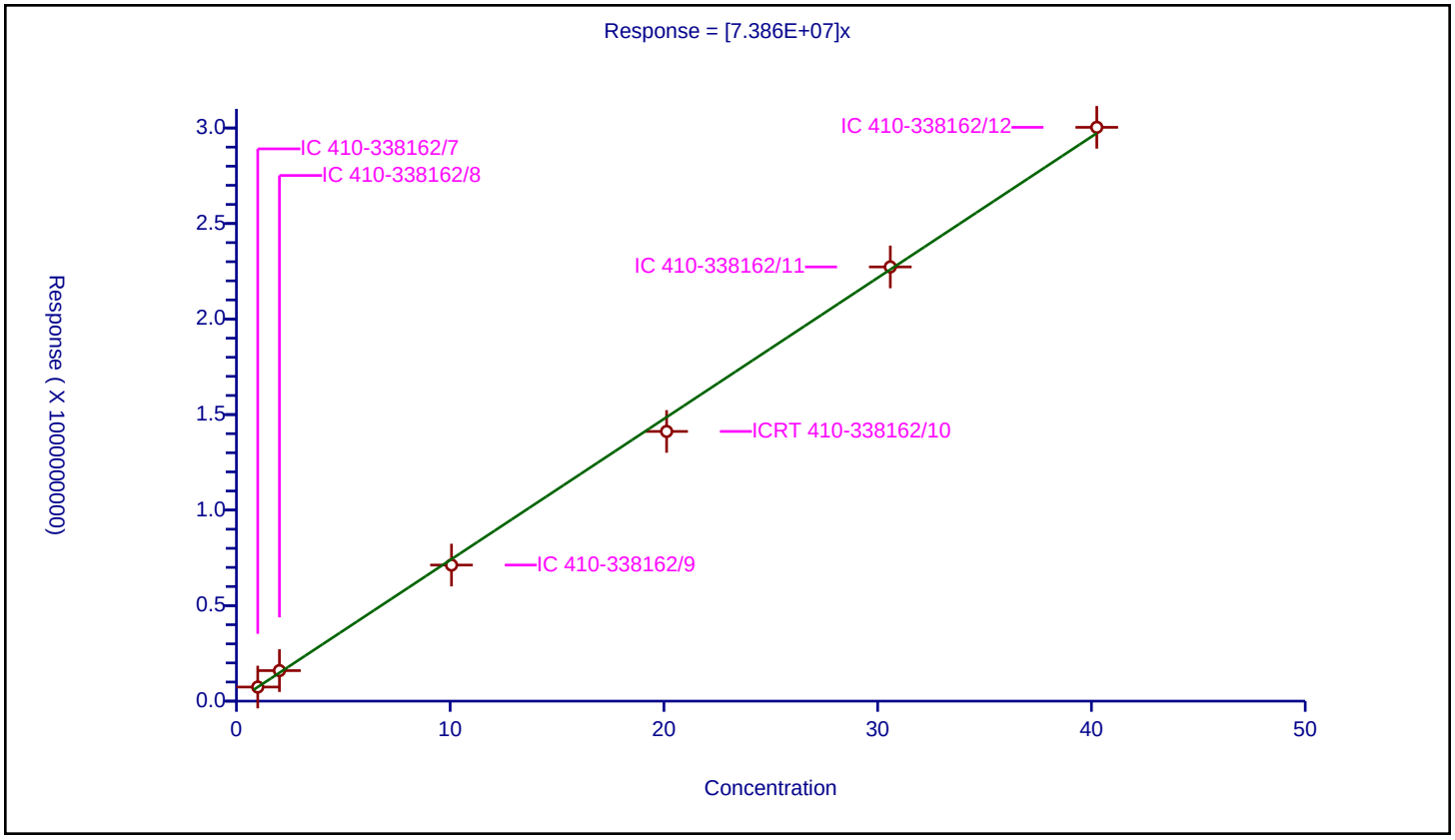
Curve Coefficients

Intercept:	0
Slope:	7.386E+07

Error Coefficients

Standard Error:	39400000
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 410-338162/7	0.9982	73756182.0			73889182.528551	Y
2	IC 410-338162/8	2.0125	159830156.0			79418711.055901	Y
3	IC 410-338162/9	10.0625	712248516.0			70782461.217391	Y
4	ICRT 410-338162/10	20.125	1411750547.0			70149095.503106	Y
5	IC 410-338162/11	30.59	2272859875.0			74300747.793397	Y
6	IC 410-338162/12	40.25	3003466711.0			74620290.956522	Y



Calibration / DCB Decachlorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

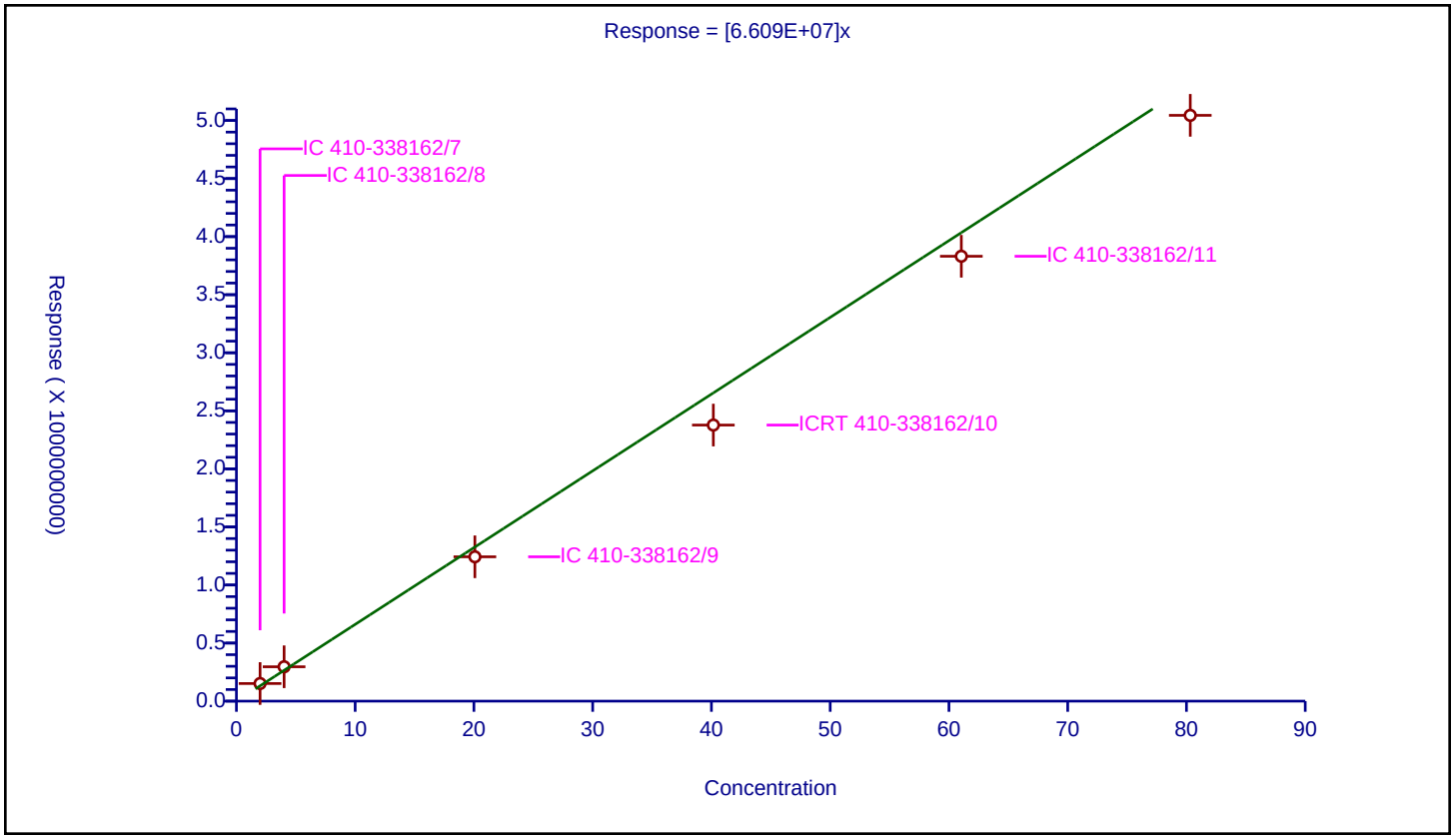
Curve Coefficients

Intercept:	0
Slope:	6.609E+07

Error Coefficients

Standard Error:	198000000
Relative Standard Error:	10.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/7	1.991936	151802236.0			76208390.229405	Y
2	IC 410-338162/8	4.016	295877853.0			73674764.193227	Y
3	IC 410-338162/9	20.08	1242967701.0			61900781.922311	Y
4	ICRT 410-338162/10	40.16	2377386665.0			59197875.124502	Y
5	IC 410-338162/11	61.0432	3831101145.0			62760490.030012	Y
6	IC 410-338162/12	80.32	5044379845.0			62803533.926793	Y



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 02:17 Calibration End Date: 01/25/2023 03:30 Calibration ID: 46656

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/13	41PEST23024001.013.D
Level 2	IC 410-338162/14	41PEST23024001.014.D
Level 3	IC 410-338162/15	41PEST23024001.015.D
Level 4	ICRT 410-338162/16	41PEST23024001.016.D
Level 5	IC 410-338162/17	41PEST23024001.017.D
Level 6	IC 410-338162/18	41PEST23024001.018.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	2.382	2.378	2.380	2.382	2.382	2.380					2.352 - 2.412	2.381
Telodrin	3.633	3.630	3.633	3.635	3.635	3.633					3.605 - 3.665	3.633
o,p'-DDE	4.235	4.232	4.235	4.235	4.235	4.235					4.205 - 4.265	4.235
o,p'-DDD	4.648	4.647	4.648	4.650	4.650	4.648					4.620 - 4.680	4.649
o,p'-DDT	4.870	4.867	4.870	4.870	4.870	4.870					4.840 - 4.900	4.870
Mirex	5.907	5.903	5.907	5.907	5.908	5.907					5.877 - 5.937	5.907

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 02:17 Calibration End Date: 01/25/2023 03:30 Calibration ID: 46656

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/13	41PEST23024001.013.D
Level 2	IC 410-338162/14	41PEST23024001.014.D
Level 3	IC 410-338162/15	41PEST23024001.015.D
Level 4	ICRT 410-338162/16	41PEST23024001.016.D
Level 5	IC 410-338162/17	41PEST23024001.017.D
Level 6	IC 410-338162/18	41PEST23024001.018.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	99517368 72507439	91655827 71156711	79448256	78383718	Ave		82111553.3				13.6		20.0			
Telodrin	73967466 55731476	70307737 57560813	63226546	61254427	Ave		63674744.2				11.2		20.0			
o,p'-DDE	70958043 55383978	65010701 58727696	59638706	61302826	Ave		61836991.6				8.8		20.0			
o,p'-DDD	59325952 46203114	55226645 47797974	50652712	50839916	Ave		51674385.5				9.4		20.0			
o,p'-DDT	49883458 43709322	48558086 48862966	44462317	45781869	Ave		46876336.2				5.5		20.0			
Mirex	63948061 53090450	61122599 60303388	56140969	58396200	Ave		58833611.2				6.5		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 02:17 Calibration End Date: 01/25/2023 03:30 Calibration ID: 46656

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/13	41PEST23024001.013.D
Level 2	IC 410-338162/14	41PEST23024001.014.D
Level 3	IC 410-338162/15	41PEST23024001.015.D
Level 4	ICRT 410-338162/16	41PEST23024001.016.D
Level 5	IC 410-338162/17	41PEST23024001.017.D
Level 6	IC 410-338162/18	41PEST23024001.018.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
Hexachlorobenzene	Ave	50256271 1437365568	92572385	200606847	395837774	732325137	0.505 20.2	1.01	2.53	5.05	10.1
Telodrin	Ave	36983733 1151216250	70307737	158066365	306272136	557314764	0.500 20.0	1.00	2.50	5.00	10.0
o,p'-DDE	Ave	70958043 2349107829	130021402	298193531	613028260	1107679559	1.00 40.0	2.00	5.00	10.0	20.0
o,p'-DDD	Ave	59622582 1921478563	111005556	254529878	510941151	928682600	1.01 40.2	2.01	5.03	10.1	20.1
o,p'-DDT	Ave	50132875 1964291231	97601752	223423144	460107782	878557374	1.01 40.2	2.01	5.03	10.1	20.1
Mirex	Ave	160189894 6042399526	306224219	703165637	1462824799	2659831534	2.51 100	5.01	12.5	25.1	50.1

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.013.D
Lims ID: ic mixe1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Jan-2023 02:17:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:08 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.382	2.382	0.000	50256271H	0.5050	0.6120	
2	3.113	3.118	-0.005	57899690H	0.5050	0.5851	
						RPD = 4.51	
10 Isobenzan							
1	3.633	3.635	-0.002	36983733H	0.5000	0.5808	
2	4.345	4.348	-0.003	40564664H	0.5000	0.5347	
						RPD = 8.27	
12 2,4'-DDE							
1	4.235	4.235	0.000	70958043H	1.00	1.15	
2	4.738	4.742	-0.004	58568779H	1.00	1.07	
						RPD = 7.04	
17 2,4'-DDD							
1	4.648	4.650	-0.002	59622582H	1.01	1.15	
2	5.095	5.098	-0.003	46136696H	1.01	1.02	
						RPD = 11.97	
20 2,4'-DDT							
1	4.870	4.870	0.000	50132875H	1.01	1.07	
2	5.330	5.335	-0.005	50184808H	1.01	0.9891	
						RPD = 7.81	
30 Mirex							
1	5.907	5.907	0.000	160189894H	2.51	2.72	
2	6.455	6.458	-0.003	108066848H	2.51	2.57	
						RPD = 5.93	
S 32 Total DDTs							
1						1.07	
2						0.9891	
						RPD = 7.81	

Reagents:

GCS_MixE1_00010 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:09 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.013.D

Injection Date: 25-Jan-2023 02:17:00 Instrument ID: 9147

Lims ID: ic mixe1

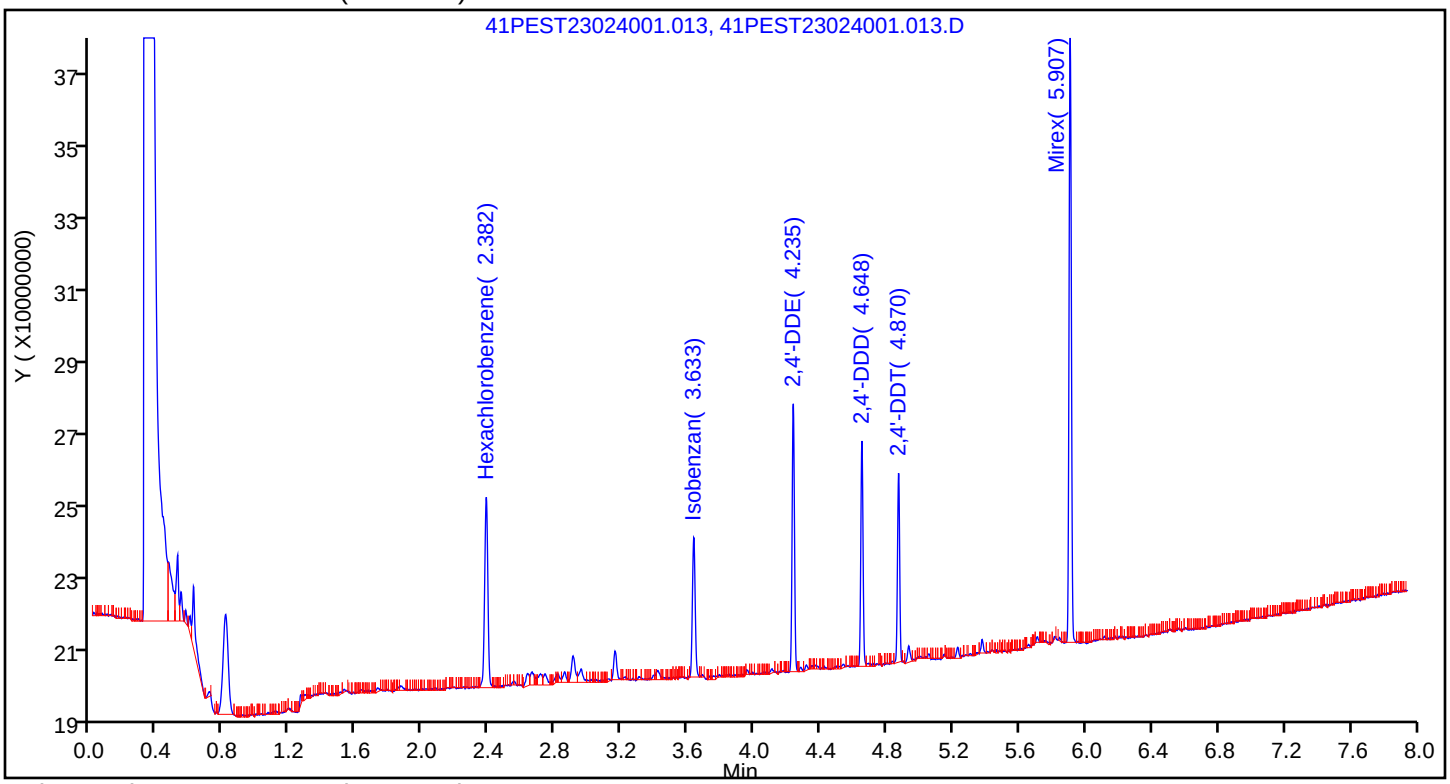
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 13

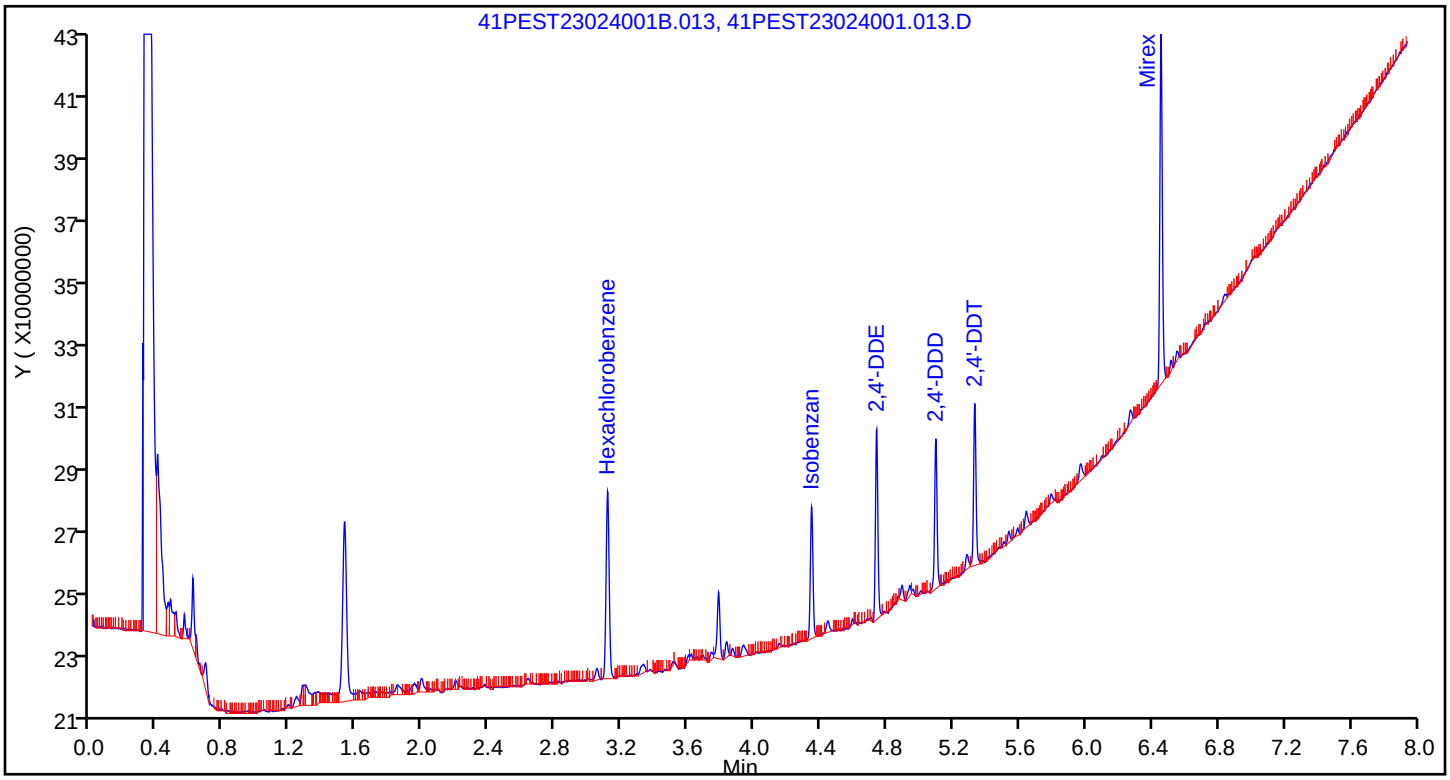
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.014.D
Lims ID: ic e2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Jan-2023 02:32:00 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:12 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.378	2.382	-0.004	92572385H	1.01	1.13	
2	3.112	3.118	-0.006	105943005H	1.01	1.07	
						RPD = 5.17	
10 Isobenzan							
1	3.630	3.635	-0.005	70307737H	1.00	1.10	
2	4.342	4.348	-0.006	77114038H	1.00	1.02	
						RPD = 8.27	
12 2,4'-DDE							
1	4.232	4.235	-0.003	130021402H	2.00	2.10	
2	4.735	4.742	-0.007	109812477H	2.00	2.01	
						RPD = 4.75	
17 2,4'-DDD							
1	4.647	4.650	-0.003	111005556H	2.01	2.15	
2	5.092	5.098	-0.006	89231000H	2.01	1.98	
						RPD = 8.17	
20 2,4'-DDT							
1	4.867	4.870	-0.003	97601752H	2.01	2.08	
2	5.328	5.335	-0.007	97558758H	2.01	1.92	
						RPD = 7.95	
30 Mirex							
1	5.903	5.907	-0.004	306224219H	5.01	5.20	
2	6.452	6.458	-0.006	210027037H	5.01	4.99	
						RPD = 4.28	
S 32 Total DDTs							
1						2.08	
2						1.92	
						RPD = 7.95	

Reagents:

GCS_MixE2_00008 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:13 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.014.D

Injection Date: 25-Jan-2023 02:32:00 Instrument ID: 9147

Lims ID: ic e2

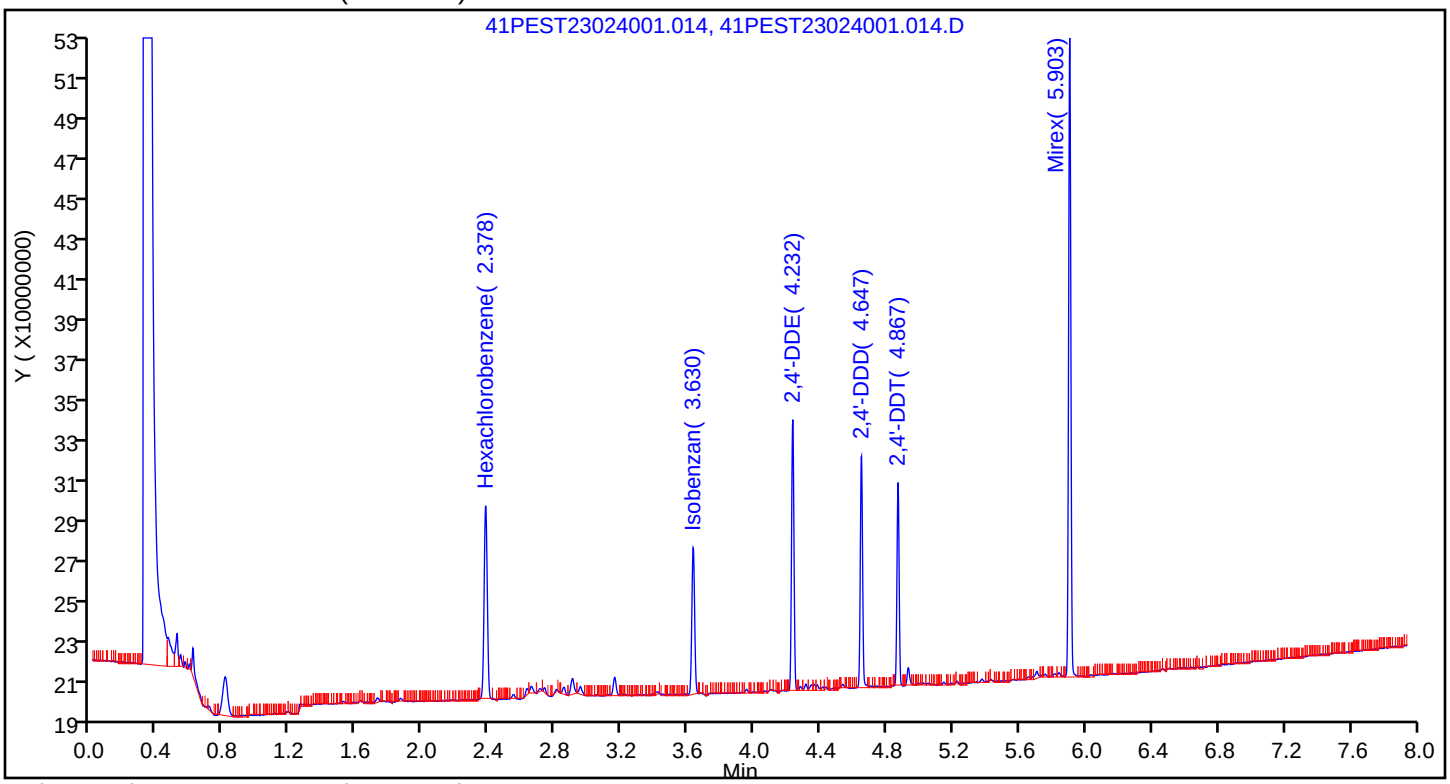
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 14

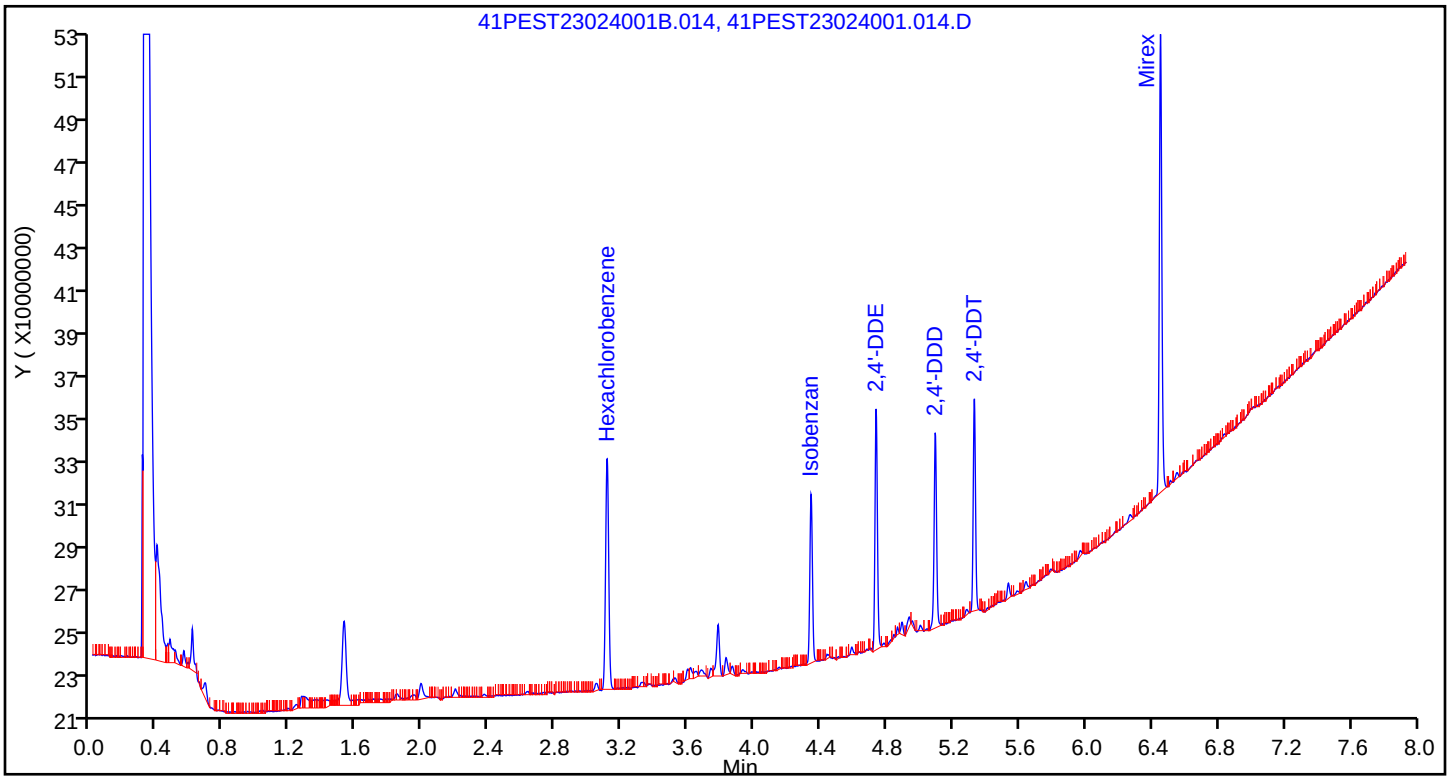
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.015.D
Lims ID: ic e3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Jan-2023 02:46:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:16 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.380	2.382	-0.002	200606847H	2.53	2.44	
2	3.117	3.118	-0.001	237197696H	2.53	2.40	
						RPD = 1.91	
10 Isobenzan							
1	3.633	3.635	-0.002	158066365H	2.50	2.48	
2	4.348	4.348	0.000	181022526H	2.50	2.39	
						RPD = 3.96	
12 2,4'-DDE							
1	4.235	4.235	0.000	298193531H	5.00	4.82	
2	4.742	4.742	0.000	261771188H	5.00	4.78	
						RPD = 0.88	
17 2,4'-DDD							
1	4.648	4.650	-0.002	254529878H	5.03	4.93	
2	5.098	5.098	0.000	214624636H	5.03	4.76	
						RPD = 3.40	
20 2,4'-DDT							
1	4.870	4.870	0.000	223423144H	5.03	4.77	
2	5.335	5.335	0.000	240983116H	5.03	4.75	
						RPD = 0.35	
30 Mirex							
1	5.907	5.907	0.000	703165637H	12.5	12.0	
2	6.458	6.458	0.000	499491196H	12.5	11.9	
						RPD = 0.77	
S 32 Total DDTs							
1						4.77	
2						4.75	
						RPD = 0.35	

Reagents:

GCS_MixE3_00007 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:17 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.015.D

Injection Date: 25-Jan-2023 02:46:00 Instrument ID: 9147

Lims ID: ic e3

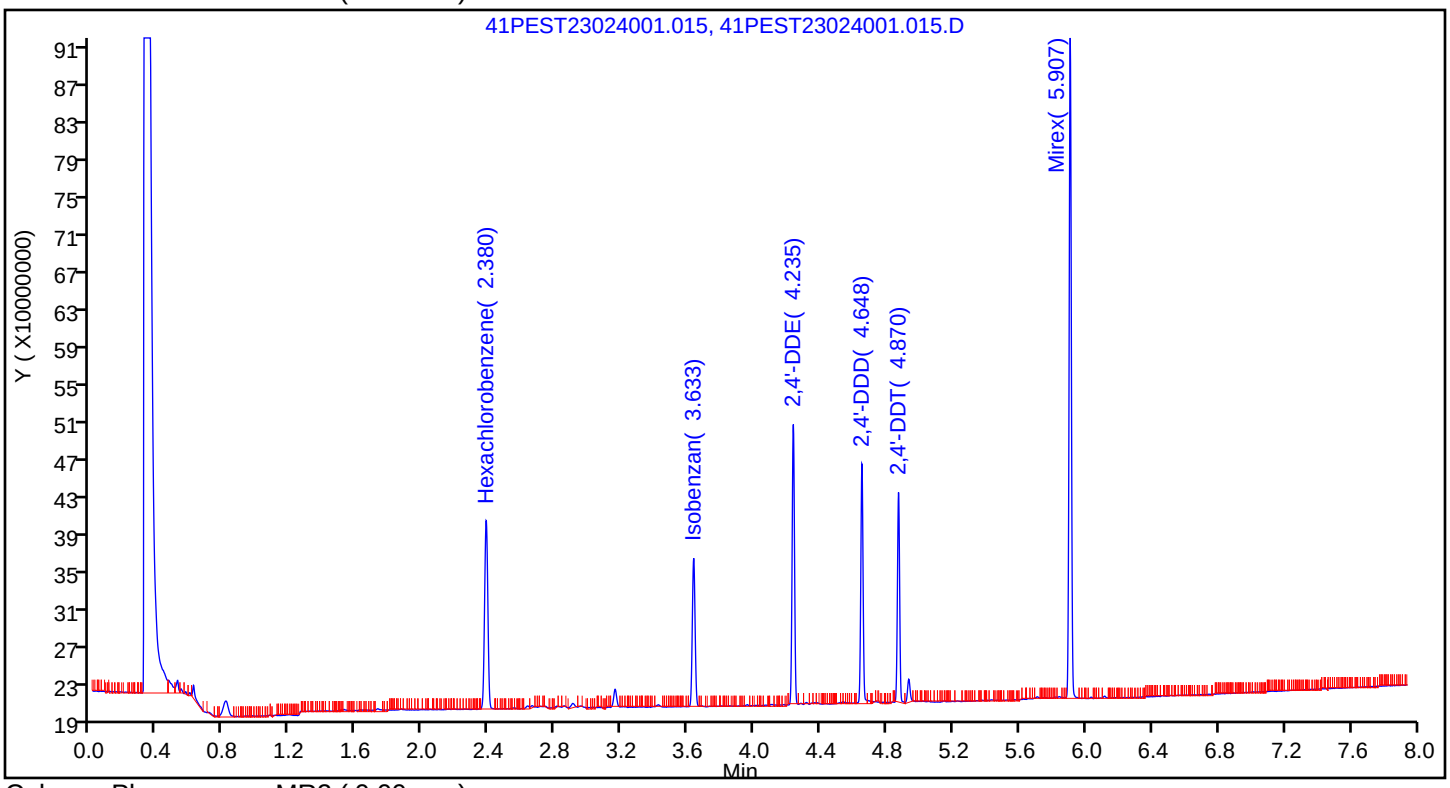
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 15

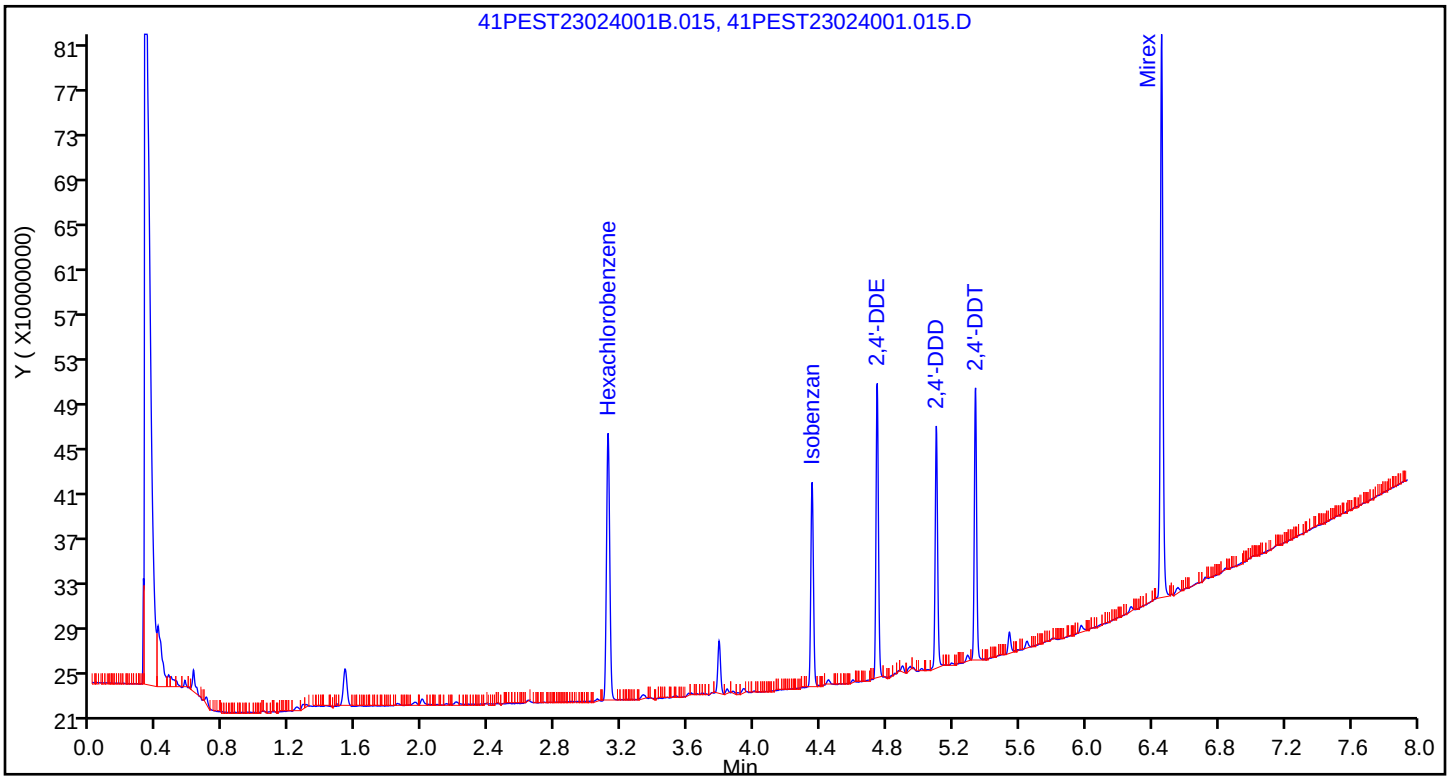
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.016.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 25-Jan-2023 03:01:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt e4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:20 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: UAMZ Date: 25-Jan-2023 11:19:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.382	2.382	0.000	395837774H	5.05	4.82	
2	3.118	3.118	0.000	487048085H	5.05	4.92	
						RPD = 2.07	
10 Isobenzan							
1	3.635	3.635	0.000	306272136H	5.00	4.81	
2	4.348	4.348	0.000	381206074H	5.00	5.02	
						RPD = 4.37	
12 2,4'-DDE							
1	4.235	4.235	0.000	613028260H	10.0	9.91	
2	4.742	4.742	0.000	554720826H	10.0	10.1	
						RPD = 2.15	
17 2,4'-DDD							
1	4.650	4.650	0.000	510941151H	10.1	9.89	
2	5.098	5.098	0.000	458099198H	10.1	10.2	
						RPD = 2.74	
20 2,4'-DDT							
1	4.870	4.870	0.000	460107782H	10.1	9.82	
2	5.335	5.335	0.000	511040903H	10.1	10.1	
						RPD = 2.58	
30 Mirex							
1	5.907	5.907	0.000	1462824799H	25.1	24.9	
2	6.458	6.458	0.000	1054290710H	25.1	25.0	
						RPD = 0.68	

Reagents:

GCS_MixE4_00008 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:21 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.016.D

Injection Date: 25-Jan-2023 03:01:00 Instrument ID: 9147

Lims ID: icrt

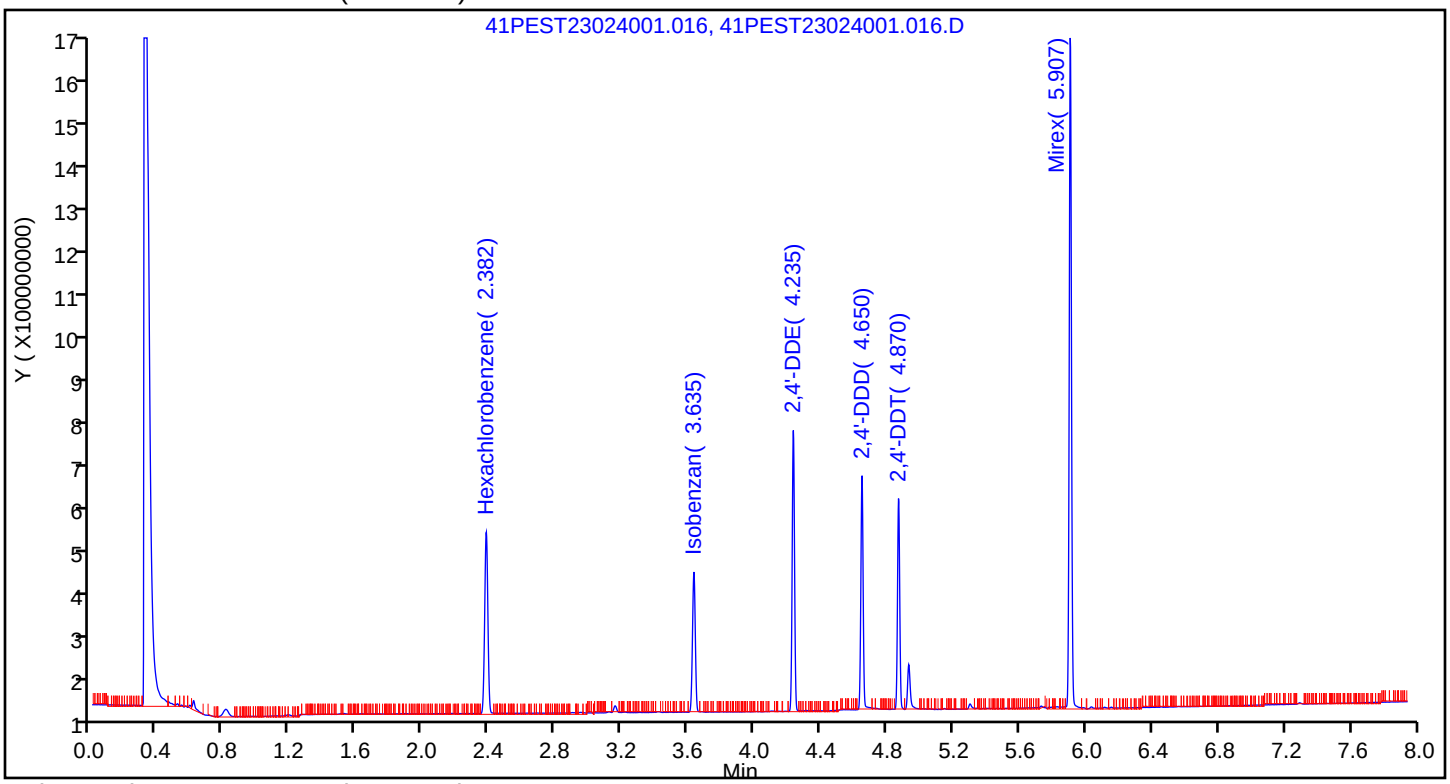
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 16

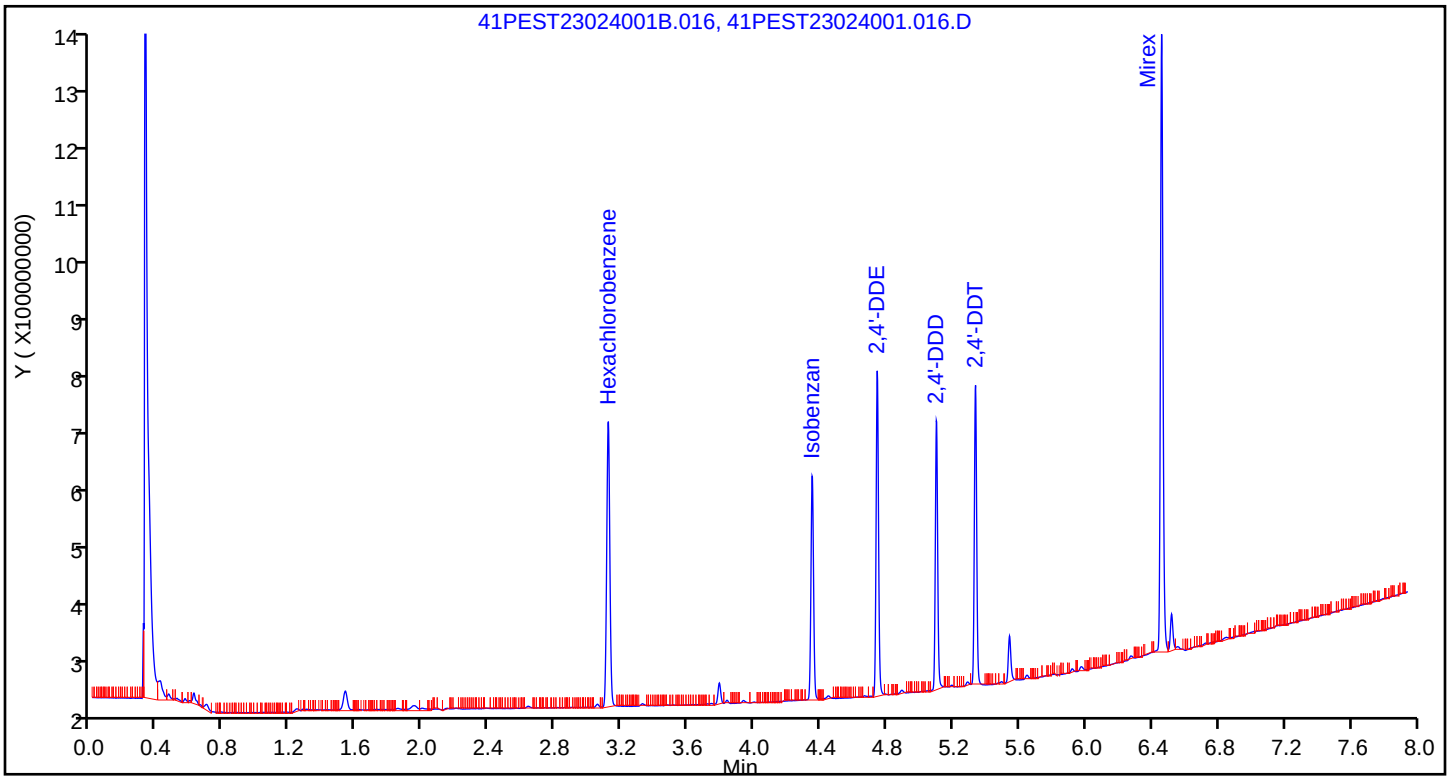
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.017.D
Lims ID: ic e5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Jan-2023 03:16:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:25 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.382	2.382	0.000	732325137H	10.1	8.92	
2	3.115	3.118	-0.003	912285156H	10.1	9.22	
						RPD = 3.31	
10 Isobenzan							
1	3.635	3.635	0.000	557314764H	10.0	8.75	
2	4.347	4.348	-0.001	711871431H	10.0	9.38	
						RPD = 6.95	
12 2,4'-DDE							
1	4.235	4.235	0.000	1107679559H	20.0	17.9	
2	4.738	4.742	-0.004	1045324002H	20.0	19.1	
						RPD = 6.35	
17 2,4'-DDD							
1	4.650	4.650	0.000	928682600H	20.1	18.0	
2	5.095	5.098	-0.003	883243008H	20.1	19.6	
						RPD = 8.63	
20 2,4'-DDT							
1	4.870	4.870	0.000	878557374H	20.1	18.7	
2	5.332	5.335	-0.003	995324917H	20.1	19.6	
						RPD = 4.56	
30 Mirex							
1	5.908	5.907	0.001	2659831534H	50.1	45.2	
2	6.457	6.458	-0.001	2012923439H	50.1	47.8	
						RPD = 5.56	
S 32 Total DDTs							
1						18.7	
2						19.6	
						RPD = 4.56	

Reagents:

GCS_MixE5_00007 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:26 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.017.D

Injection Date: 25-Jan-2023 03:16:00 Instrument ID: 9147

Lims ID: ic e5

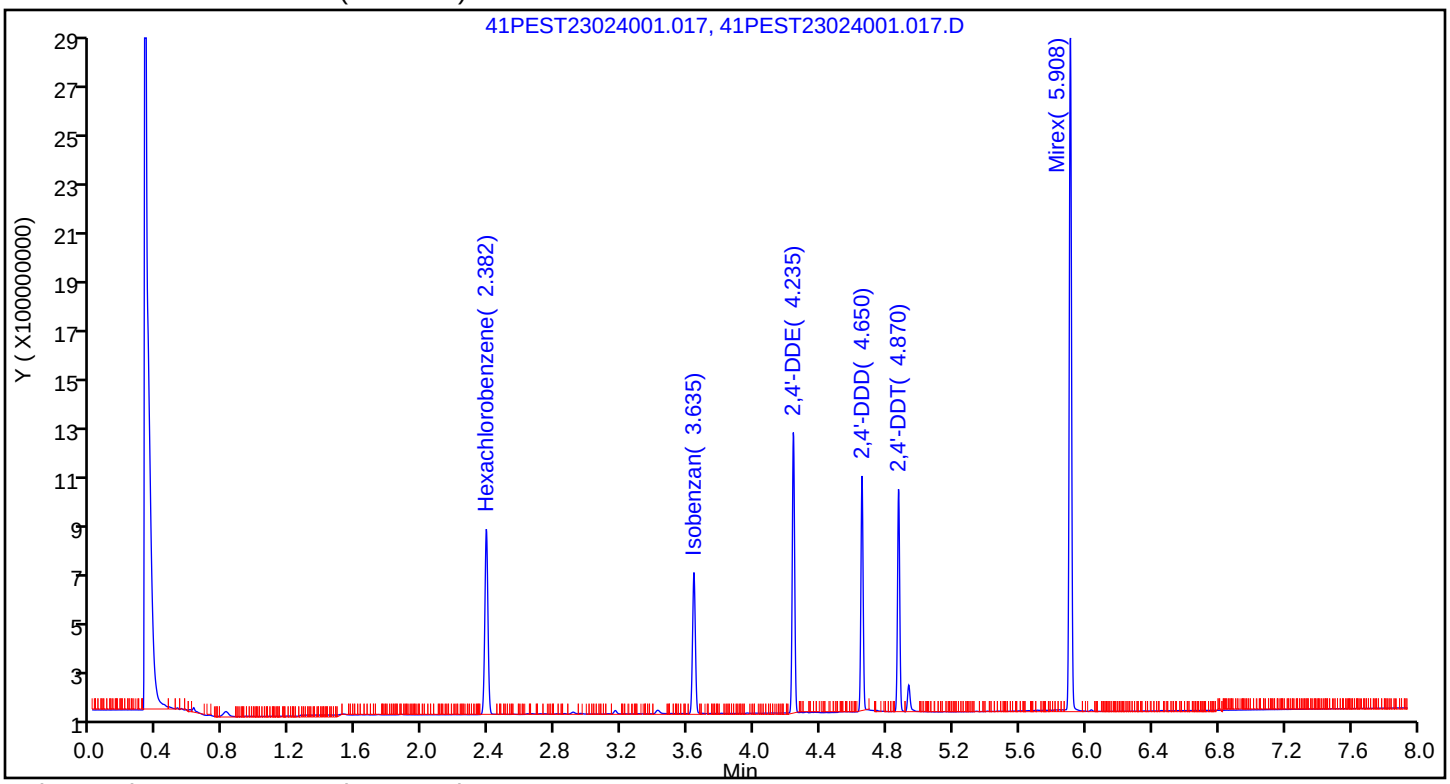
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

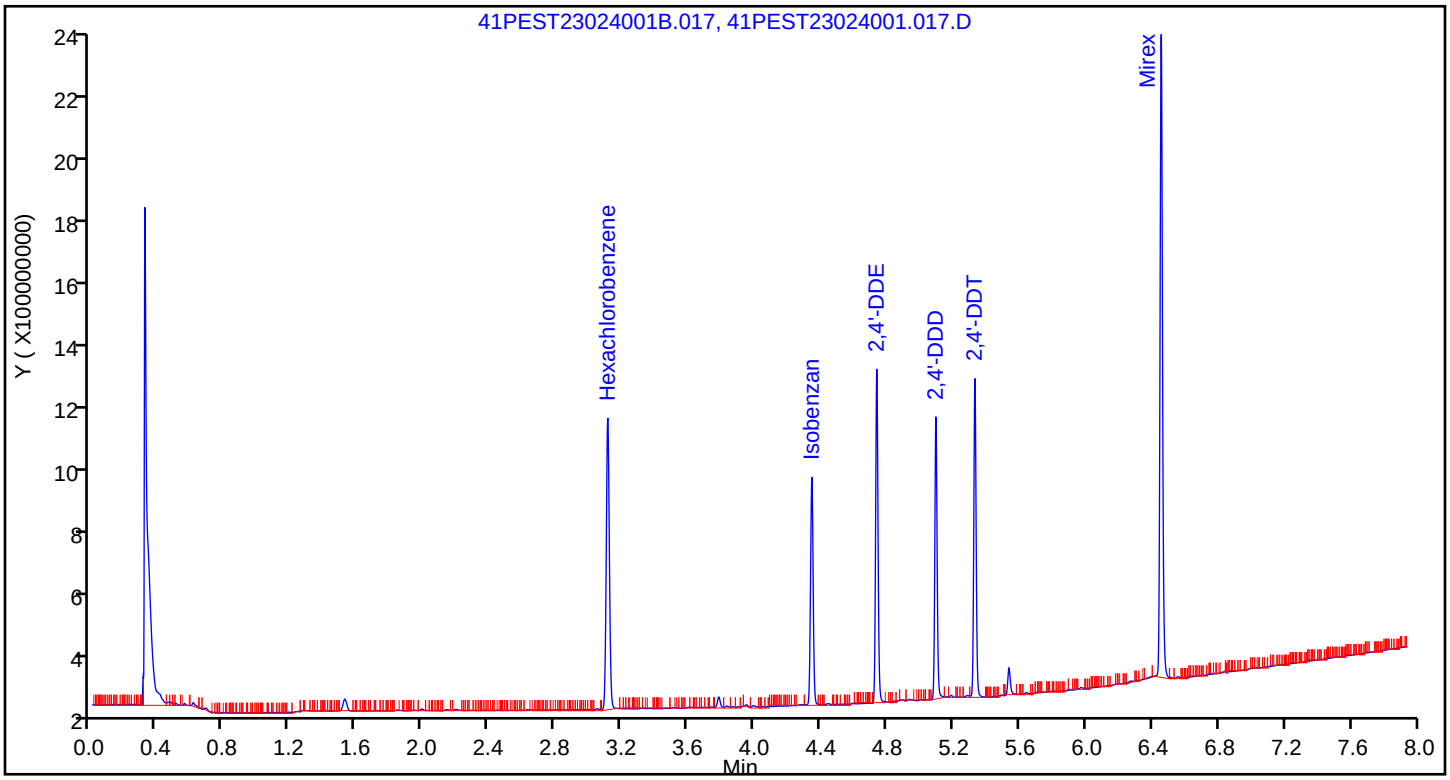
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.018.D
Lims ID: ic e6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Jan-2023 03:30:00 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:30 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.380	2.382	-0.002	1437365568H	20.2	17.5	
2	3.113	3.118	-0.005	1888865661H	20.2	19.1	
						RPD = 8.65	
10 Isobenzan							
1	3.633	3.635	-0.002	1151216250H	20.0	18.1	
2	4.345	4.348	-0.003	1542442668H	20.0	20.3	
						RPD = 11.72	
12 2,4'-DDE							
1	4.235	4.235	0.000	2349107829H	40.0	38.0	
2	4.738	4.742	-0.004	2201252736H	40.0	40.2	
						RPD = 5.64	
17 2,4'-DDD							
1	4.648	4.650	-0.002	1921478563H	40.2	37.2	
2	5.095	5.098	-0.003	1926961883H	40.2	42.7	
						RPD = 13.92	
20 2,4'-DDT							
1	4.870	4.870	0.000	1964291231H	40.2	41.9	
2	5.330	5.335	-0.005	2316497647H	40.2	45.7	
						RPD = 8.57	
30 Mirex							
1	5.907	5.907	0.000	6042399526H	100.2	102.7	
2	6.455	6.458	-0.003	4557642458H	100.2	108.2	
						RPD = 5.23	
S 32 Total DDTs							
1						41.9	
2						45.7	
						RPD = 8.57	

Reagents:

GCS_MixE6_00007 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:31 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.018.D

Injection Date: 25-Jan-2023 03:30:00 Instrument ID: 9147

Lims ID: ic e6

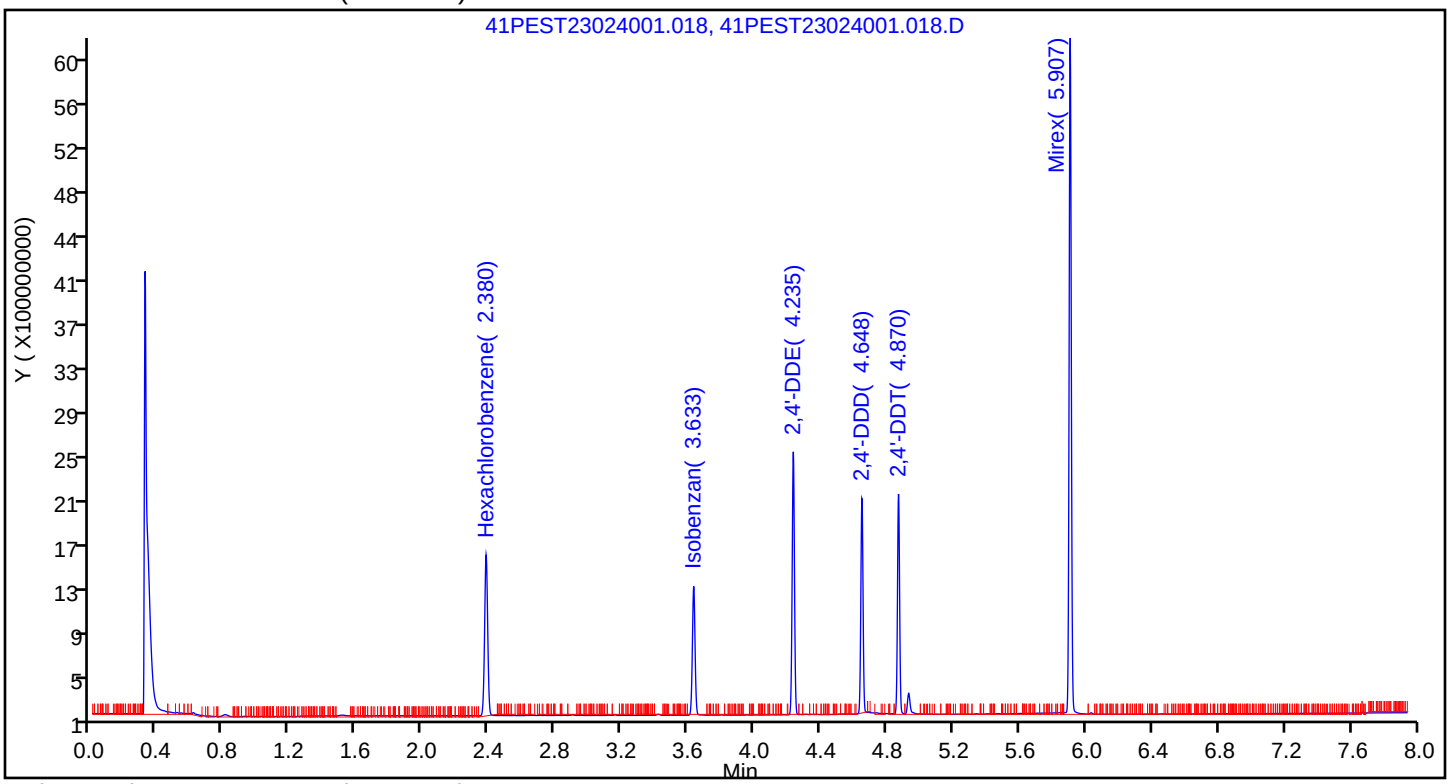
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 18

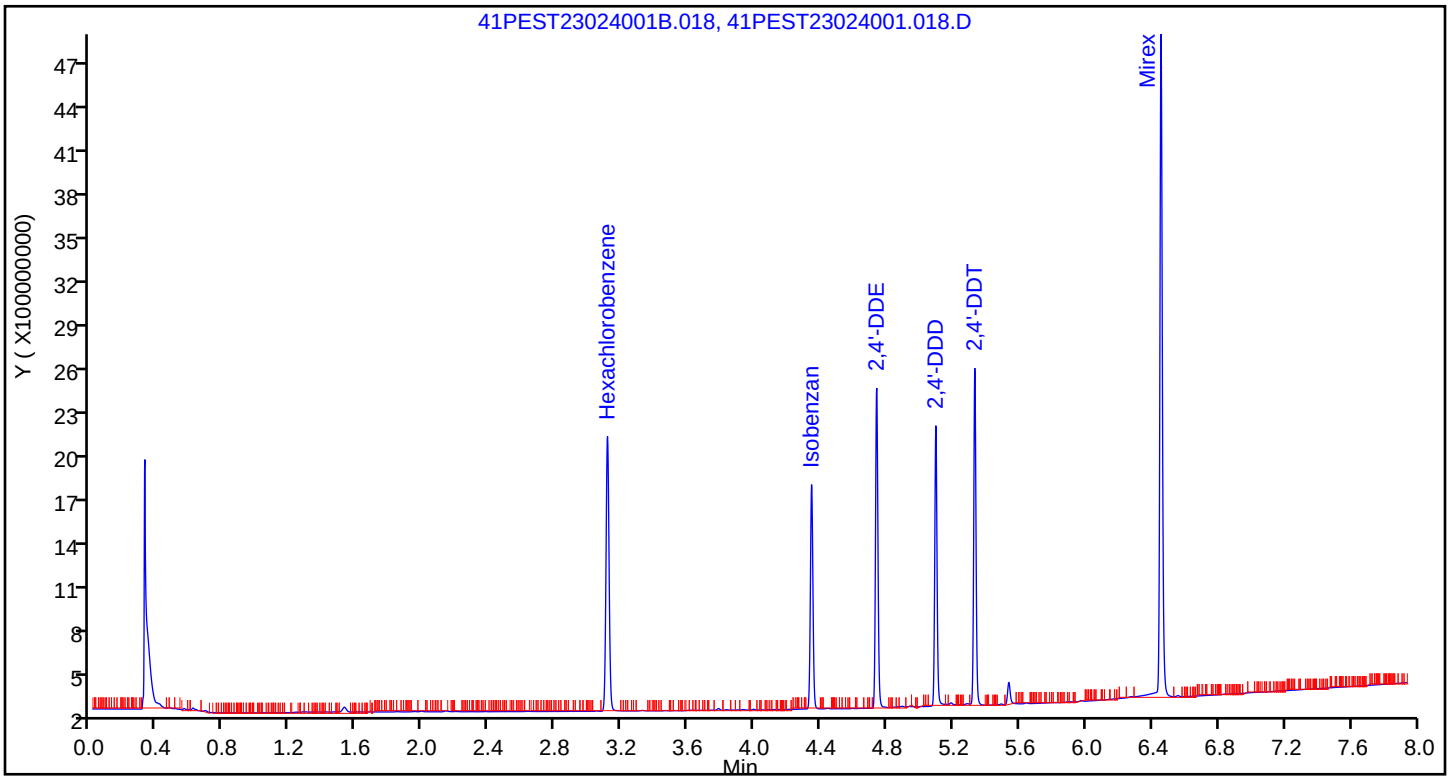
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

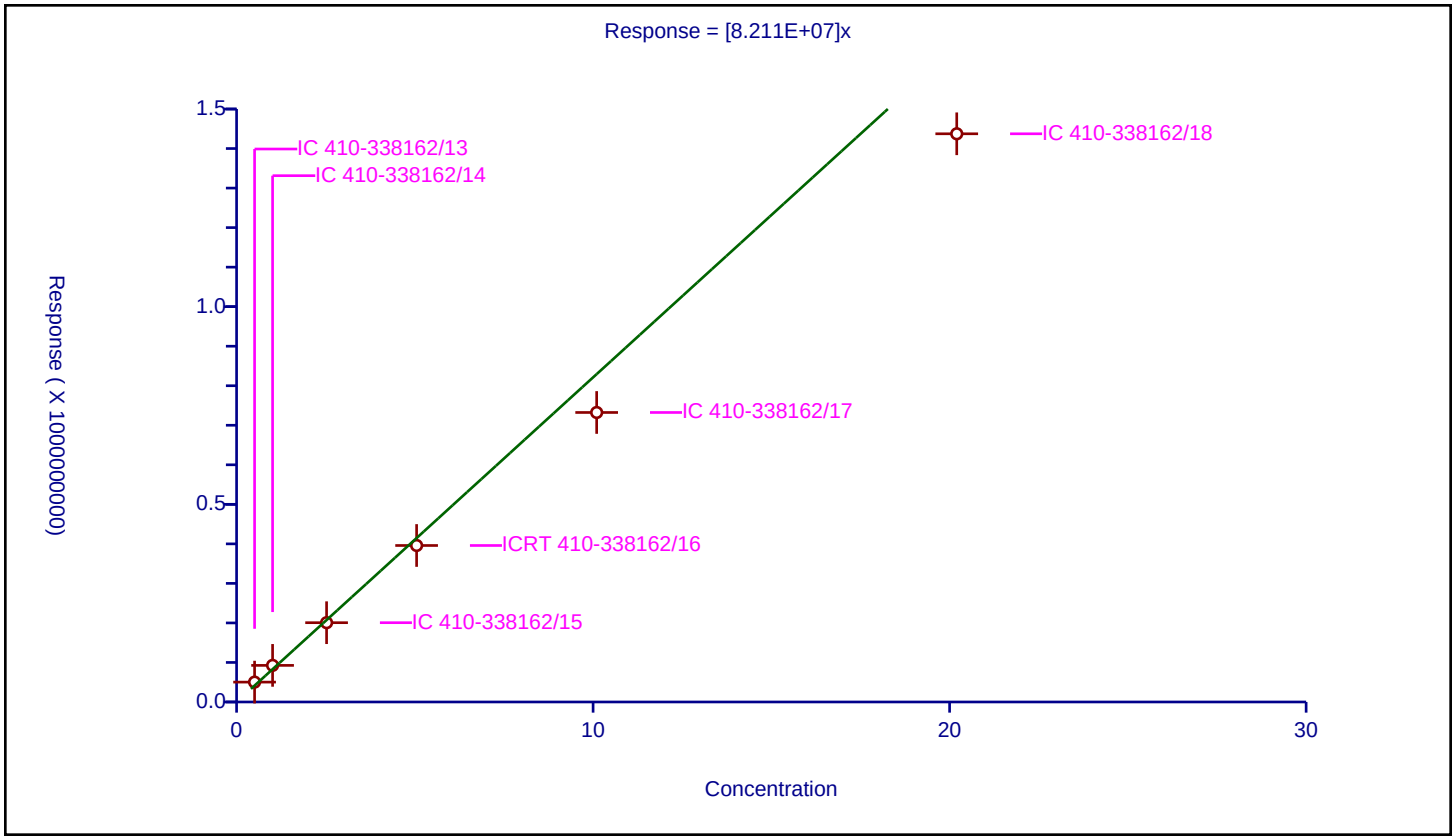
Curve Coefficients

Intercept:	0
Slope:	8.211E+07

Error Coefficients

Standard Error:	109000000
Relative Standard Error:	13.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	0.505	50256271.0			99517368.316832	Y
2	IC 410-338162/14	1.01	92572385.0			91655826.732673	Y
3	IC 410-338162/15	2.525	200606847.0			79448256.237624	Y
4	ICRT 410-338162/16	5.05	395837774.0			78383717.623762	Y
5	IC 410-338162/17	10.1	732325137.0			72507439.306931	Y
6	IC 410-338162/18	20.2	1437365568.0			71156711.287129	Y



Calibration / Isobenzan

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

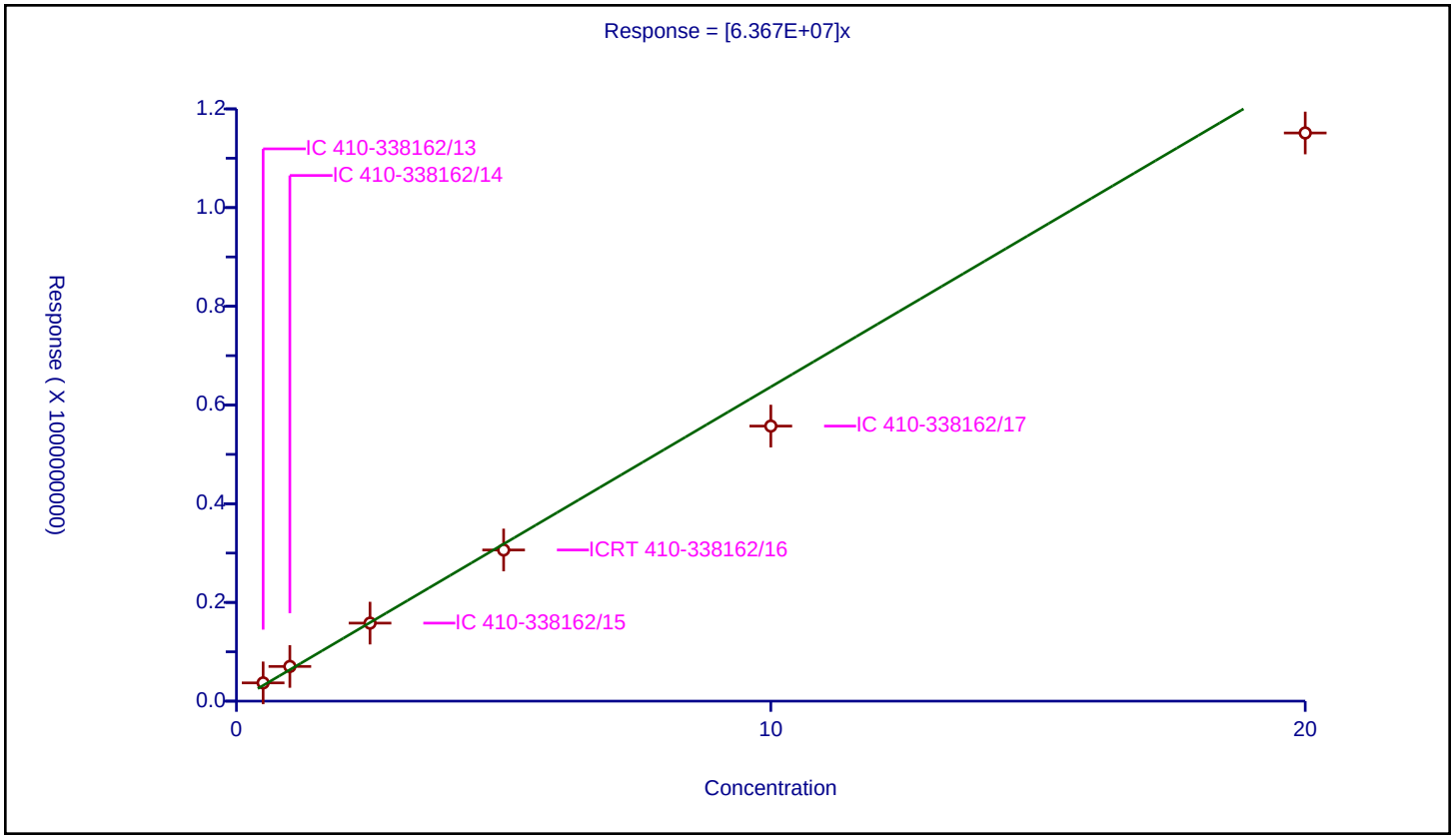
Curve Coefficients

Intercept:	0
Slope:	6.367E+07

Error Coefficients

Standard Error:	65500000
Relative Standard Error:	11.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	0.5	36983733.0			73967466.0	Y
2	IC 410-338162/14	1.0	70307737.0			70307737.0	Y
3	IC 410-338162/15	2.5	158066365.0			63226546.0	Y
4	ICRT 410-338162/16	5.0	306272136.0			61254427.2	Y
5	IC 410-338162/17	10.0	557314764.0			55731476.4	Y
6	IC 410-338162/18	20.0	1151216250.0			57560812.5	Y



Calibration / 2,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

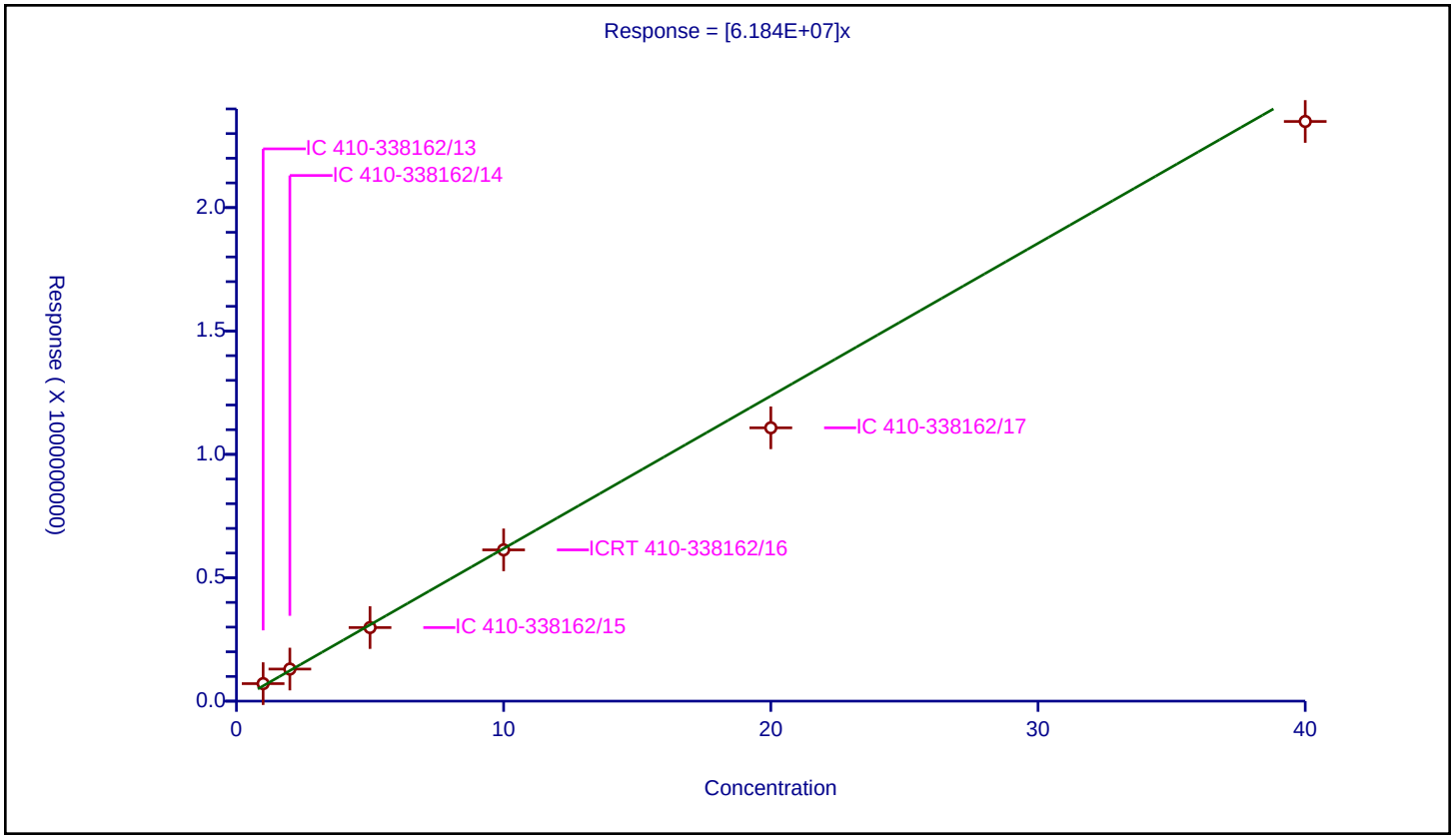
Curve Coefficients

Intercept:	0
Slope:	6.184E+07

Error Coefficients

Standard Error:	80500000
Relative Standard Error:	8.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	1.0	70958043.0			70958043.0	Y
2	IC 410-338162/14	2.0	130021402.0			65010701.0	Y
3	IC 410-338162/15	5.0	298193531.0			59638706.2	Y
4	ICRT 410-338162/16	10.0	613028260.0			61302826.0	Y
5	IC 410-338162/17	20.0	1107679559.0			55383977.95	Y
6	IC 410-338162/18	40.0	2349107829.0			58727695.725	Y



Calibration / 2,4'-DDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

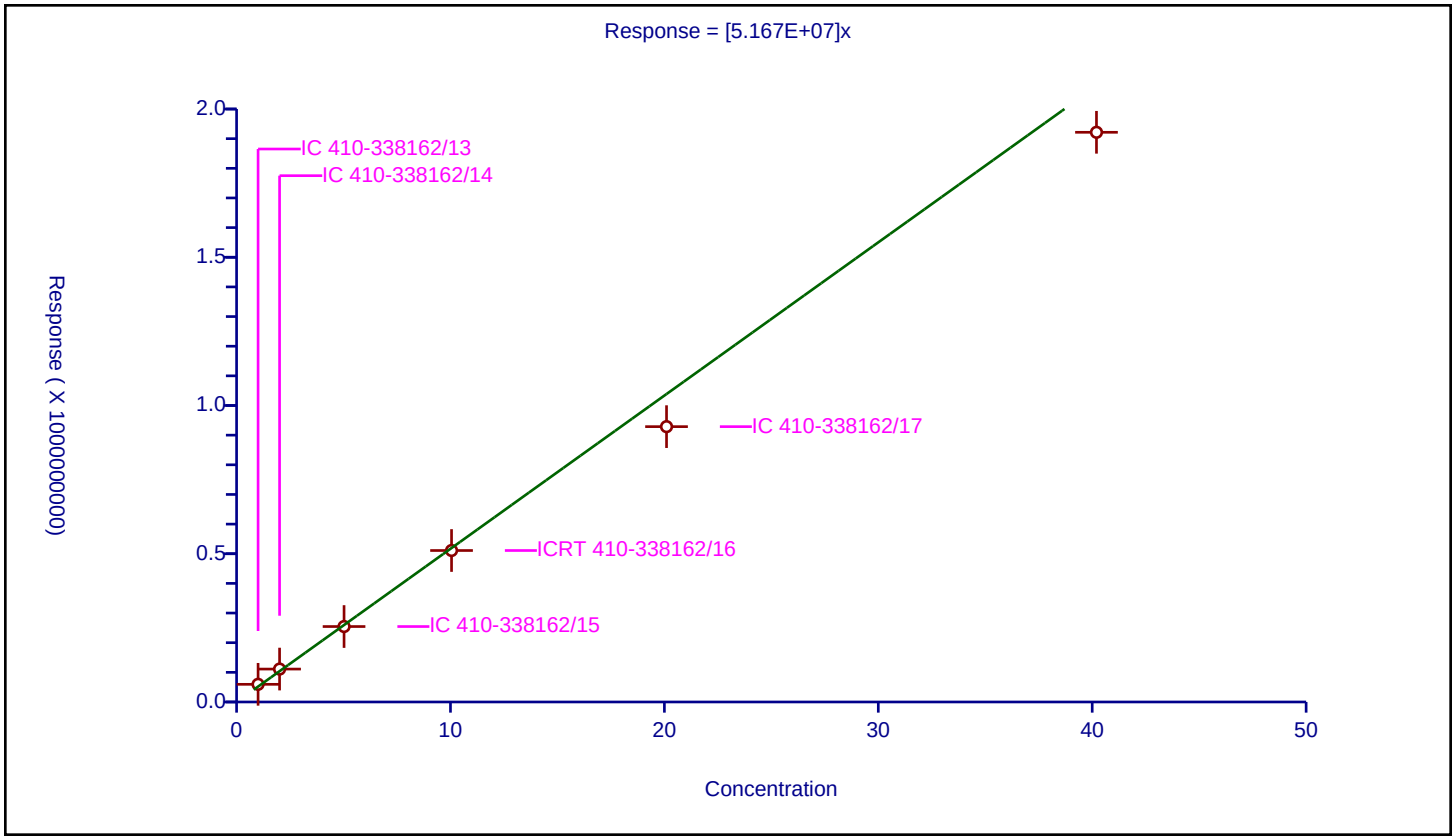
Curve Coefficients

Intercept:	0
Slope:	5.167E+07

Error Coefficients

Standard Error:	85500000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	1.005	59622582.0			59325952.238806	Y
2	IC 410-338162/14	2.01	111005556.0			55226644.776119	Y
3	IC 410-338162/15	5.025	254529878.0			50652712.039801	Y
4	ICRT 410-338162/16	10.05	510941151.0			50839915.522388	Y
5	IC 410-338162/17	20.1	928682600.0			46203114.427861	Y
6	IC 410-338162/18	40.2	1921478563.0			47797974.20398	Y



Calibration / 2,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

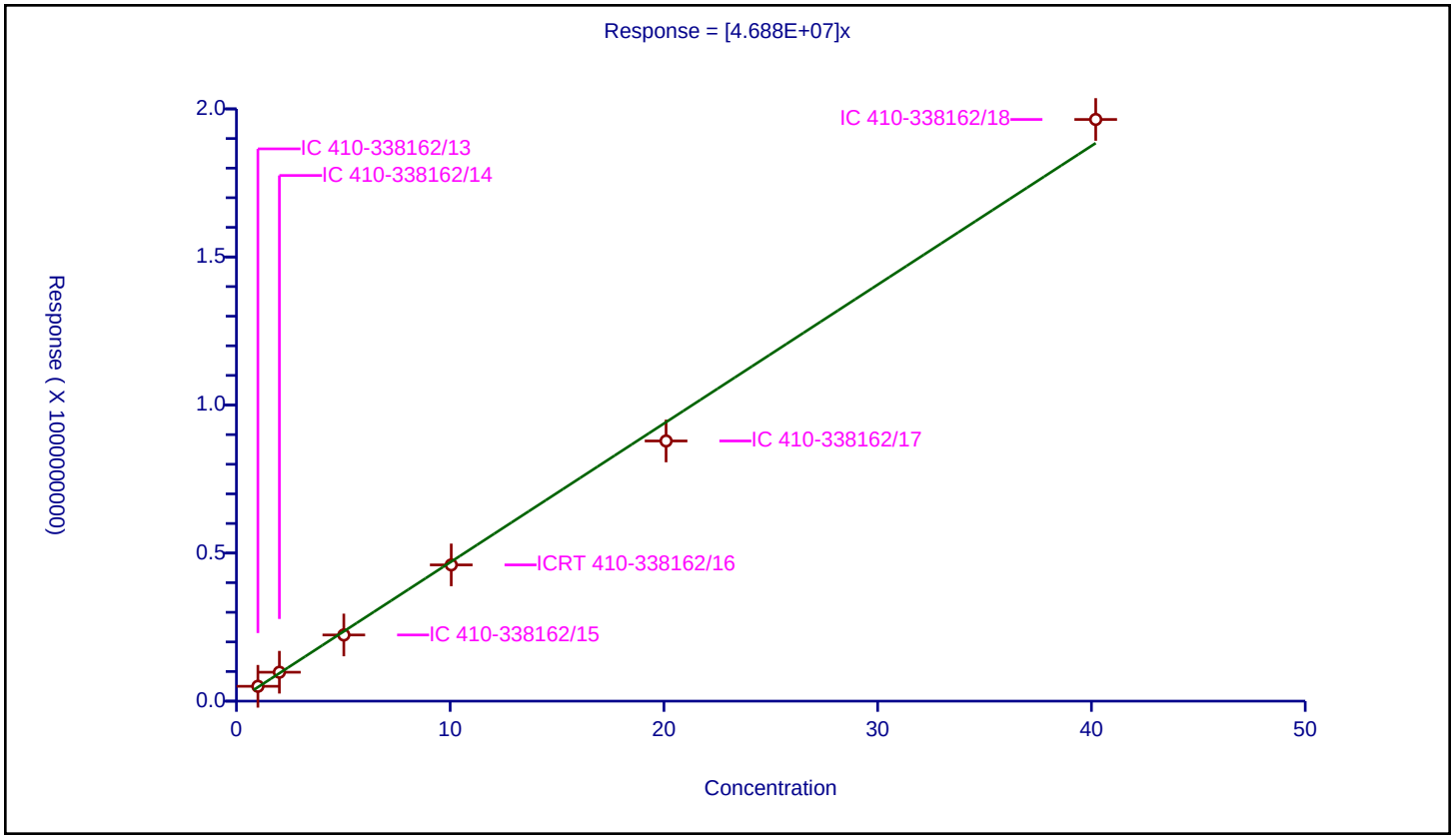
Curve Coefficients

Intercept:	0
Slope:	4.688E+07

Error Coefficients

Standard Error:	46300000
Relative Standard Error:	5.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	1.005	50132875.0			49883457.711443	Y
2	IC 410-338162/14	2.01	97601752.0			48558085.572139	Y
3	IC 410-338162/15	5.025	223423144.0			44462317.21393	Y
4	ICRT 410-338162/16	10.05	460107782.0			45781868.855721	Y
5	IC 410-338162/17	20.1	878557374.0			43709322.089552	Y
6	IC 410-338162/18	40.2	1964291231.0			48862965.945274	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

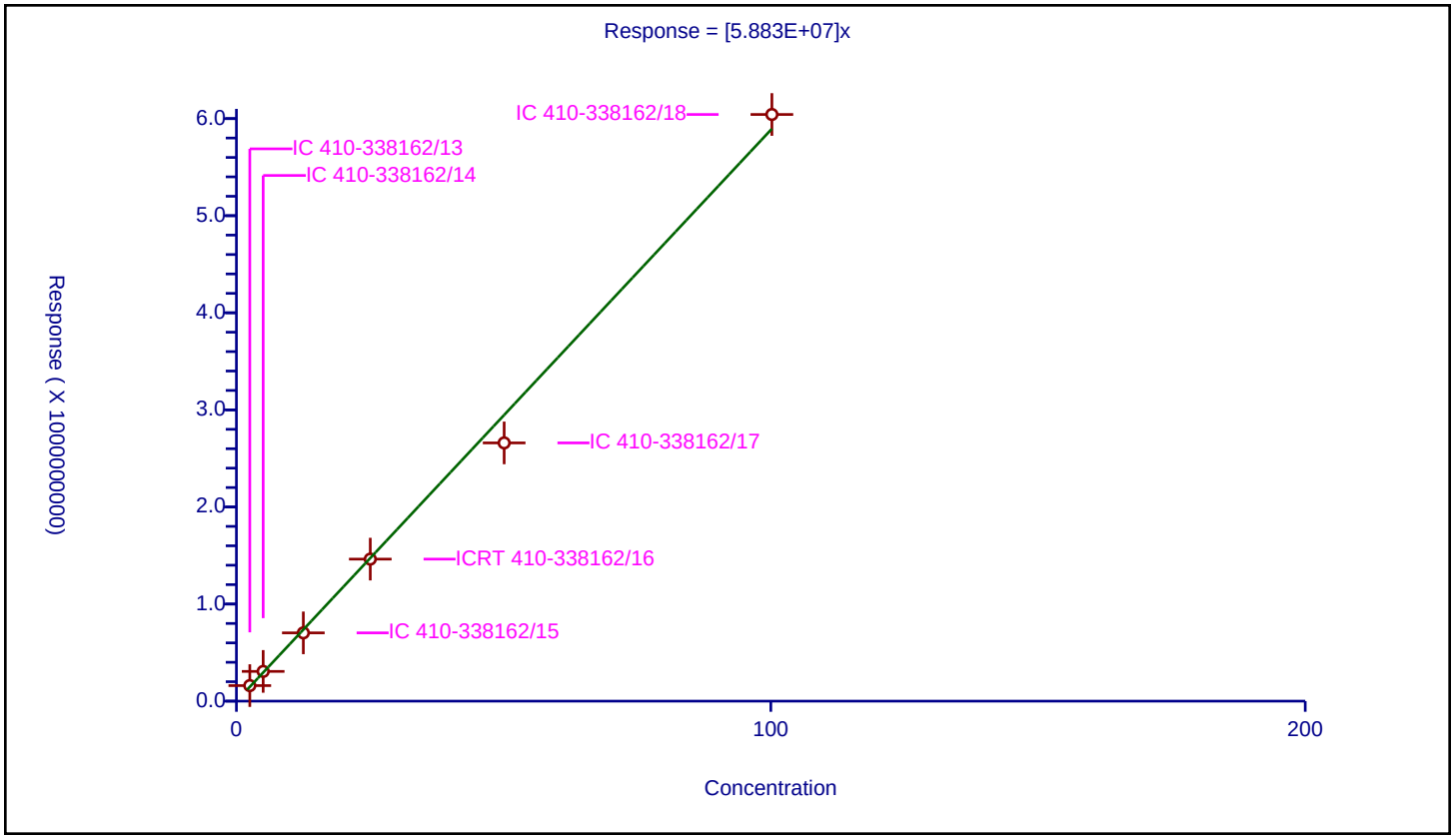
Curve Coefficients

Intercept:	0
Slope:	5.883E+07

Error Coefficients

Standard Error:	146000000
Relative Standard Error:	6.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	2.505	160189894.0			63948061.477046	Y
2	IC 410-338162/14	5.01	306224219.0			61122598.602794	Y
3	IC 410-338162/15	12.525	703165637.0			56140969.021956	Y
4	ICRT 410-338162/16	25.05	1462824799.0			58396199.560878	Y
5	IC 410-338162/17	50.1	2659831534.0			53090449.780439	Y
6	IC 410-338162/18	100.2	6042399526.0			60303388.483034	Y



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 02:17 Calibration End Date: 01/25/2023 03:30 Calibration ID: 46657

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/13	41PEST23024001.013.D
Level 2	IC 410-338162/14	41PEST23024001.014.D
Level 3	IC 410-338162/15	41PEST23024001.015.D
Level 4	ICRT 410-338162/16	41PEST23024001.016.D
Level 5	IC 410-338162/17	41PEST23024001.017.D
Level 6	IC 410-338162/18	41PEST23024001.018.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	3.113	3.112	3.117	3.118	3.115	3.113					3.088 - 3.148	3.115
Telodrin	4.345	4.342	4.348	4.348	4.347	4.345					4.318 - 4.378	4.346
o,p'-DDE	4.738	4.735	4.742	4.742	4.738	4.738					4.712 - 4.772	4.739
o,p'-DDD	5.095	5.092	5.098	5.098	5.095	5.095					5.068 - 5.128	5.096
o,p'-DDT	5.330	5.328	5.335	5.335	5.332	5.330					5.305 - 5.365	5.332
Mirex	6.455	6.452	6.458	6.458	6.457	6.455					6.428 - 6.488	6.456

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 02:17 Calibration End Date: 01/25/2023 03:30 Calibration ID: 46657

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/13	41PEST23024001.013.D
Level 2	IC 410-338162/14	41PEST23024001.014.D
Level 3	IC 410-338162/15	41PEST23024001.015.D
Level 4	ICRT 410-338162/16	41PEST23024001.016.D
Level 5	IC 410-338162/17	41PEST23024001.017.D
Level 6	IC 410-338162/18	41PEST23024001.018.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	114652851 90325263	104894064 93508201	93939682	96445165	Ave		98960871.1				9.2		20.0			
Telodrin	81129328 71187143	77114038 77122133	72409010	76241215	Ave		75867144.6				4.7		20.0			
o,p'-DDE	58568779 52266200	54906239 55031318	52354238	55472083	Ave		54766476.0				4.3		20.0			
o,p'-DDD	45907160 43942438	44393532 47934375	42711370	45582010	Ave		45078481.0				4.0		20.0			
o,p'-DDT	49935132 49518653	48536696 57624320	47956839	50849841	Ave		50736913.4				6.9		20.0			
Mirex	43140458 40178113	41921564 45485454	39879537	42087453	Ave		42115429.8				4.9		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 02:17 Calibration End Date: 01/25/2023 03:30 Calibration ID: 46657

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/13	41PEST23024001.013.D
Level 2	IC 410-338162/14	41PEST23024001.014.D
Level 3	IC 410-338162/15	41PEST23024001.015.D
Level 4	ICRT 410-338162/16	41PEST23024001.016.D
Level 5	IC 410-338162/17	41PEST23024001.017.D
Level 6	IC 410-338162/18	41PEST23024001.018.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
Hexachlorobenzene	Ave	57899690 1888865661	105943005	237197696	487048085	912285156	0.505 20.2	1.01	2.53	5.05	10.1
Telodrin	Ave	40564664 1542442668	77114038	181022526	381206074	711871431	0.500 20.0	1.00	2.50	5.00	10.0
o,p'-DDE	Ave	58568779 2201252736	109812477	261771188	554720826	1045324002	1.00 40.0	2.00	5.00	10.0	20.0
o,p'-DDD	Ave	46136696 1926961883	89231000	214624636	458099198	883243008	1.01 40.2	2.01	5.03	10.1	20.1
o,p'-DDT	Ave	50184808 2316497647	97558758	240983116	511040903	995324917	1.01 40.2	2.01	5.03	10.1	20.1
Mirex	Ave	108066848 4557642458	210027037	499491196	1054290710	2012923439	2.51 100	5.01	12.5	25.1	50.1

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.013.D
Lims ID: ic mixe1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Jan-2023 02:17:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:08 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.382	2.382	0.000	50256271H	0.5050	0.6120	
2	3.113	3.118	-0.005	57899690H	0.5050	0.5851	
						RPD = 4.51	
10 Isobenzan							
1	3.633	3.635	-0.002	36983733H	0.5000	0.5808	
2	4.345	4.348	-0.003	40564664H	0.5000	0.5347	
						RPD = 8.27	
12 2,4'-DDE							
1	4.235	4.235	0.000	70958043H	1.00	1.15	
2	4.738	4.742	-0.004	58568779H	1.00	1.07	
						RPD = 7.04	
17 2,4'-DDD							
1	4.648	4.650	-0.002	59622582H	1.01	1.15	
2	5.095	5.098	-0.003	46136696H	1.01	1.02	
						RPD = 11.97	
20 2,4'-DDT							
1	4.870	4.870	0.000	50132875H	1.01	1.07	
2	5.330	5.335	-0.005	50184808H	1.01	0.9891	
						RPD = 7.81	
30 Mirex							
1	5.907	5.907	0.000	160189894H	2.51	2.72	
2	6.455	6.458	-0.003	108066848H	2.51	2.57	
						RPD = 5.93	
S 32 Total DDTs							
1						1.07	
2						0.9891	
						RPD = 7.81	

Reagents:

GCS_MixE1_00010 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:09 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.013.D

Injection Date: 25-Jan-2023 02:17:00 Instrument ID: 9147

Lims ID: ic mixe1

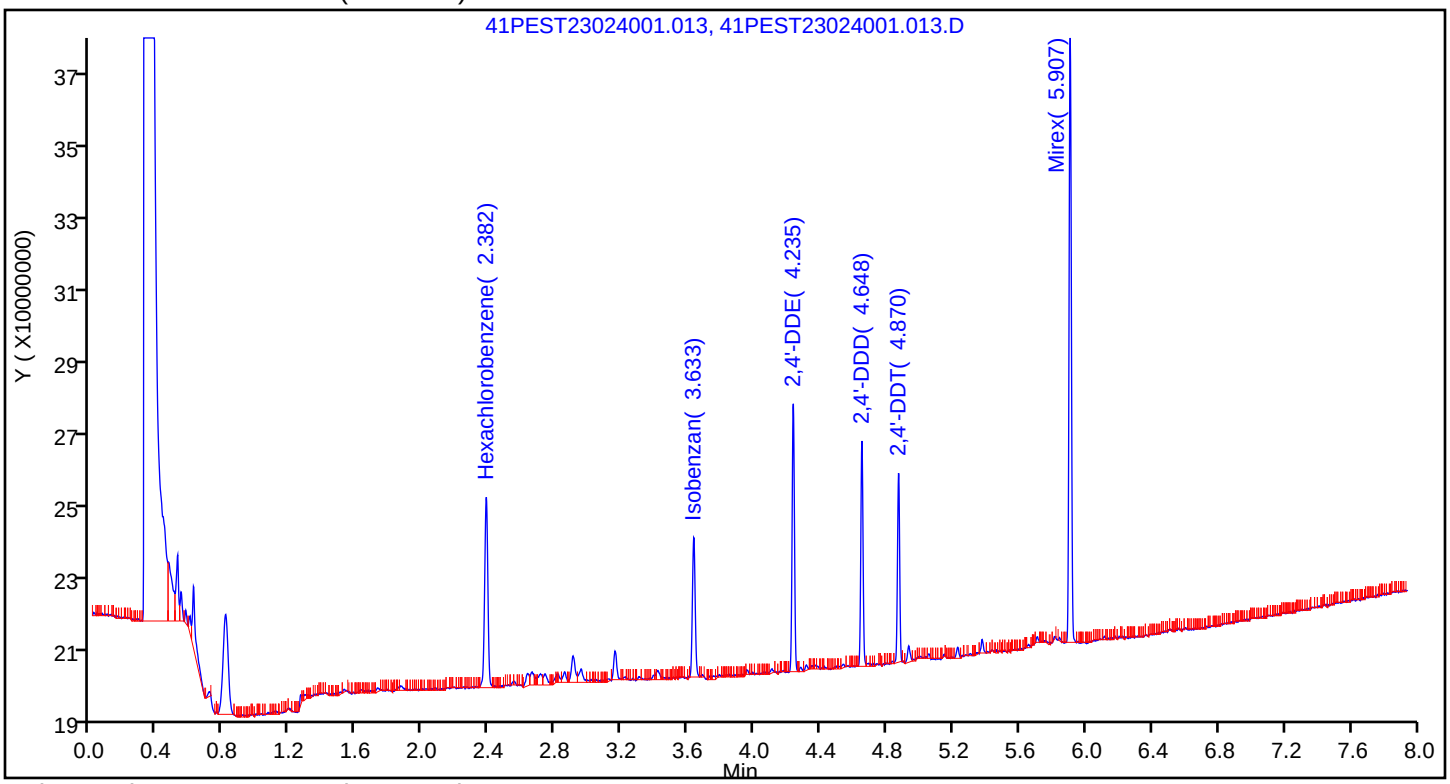
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 13

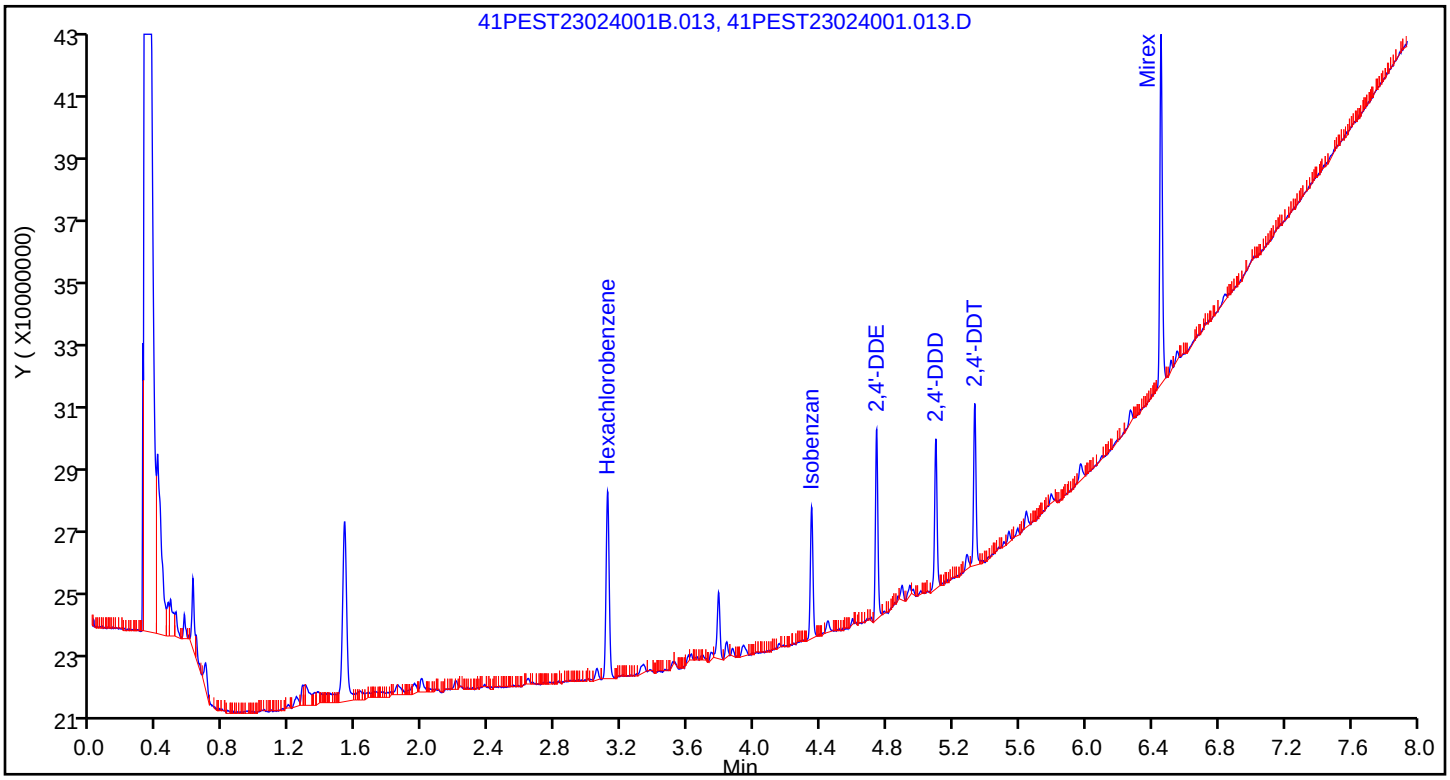
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.014.D
Lims ID: ic e2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Jan-2023 02:32:00 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:12 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.378	2.382	-0.004	92572385H	1.01	1.13	
2	3.112	3.118	-0.006	105943005H	1.01	1.07	
						RPD = 5.17	
10 Isobenzan							
1	3.630	3.635	-0.005	70307737H	1.00	1.10	
2	4.342	4.348	-0.006	77114038H	1.00	1.02	
						RPD = 8.27	
12 2,4'-DDE							
1	4.232	4.235	-0.003	130021402H	2.00	2.10	
2	4.735	4.742	-0.007	109812477H	2.00	2.01	
						RPD = 4.75	
17 2,4'-DDD							
1	4.647	4.650	-0.003	111005556H	2.01	2.15	
2	5.092	5.098	-0.006	89231000H	2.01	1.98	
						RPD = 8.17	
20 2,4'-DDT							
1	4.867	4.870	-0.003	97601752H	2.01	2.08	
2	5.328	5.335	-0.007	97558758H	2.01	1.92	
						RPD = 7.95	
30 Mirex							
1	5.903	5.907	-0.004	306224219H	5.01	5.20	
2	6.452	6.458	-0.006	210027037H	5.01	4.99	
						RPD = 4.28	
S 32 Total DDTs							
1						2.08	
2						1.92	
						RPD = 7.95	

Reagents:

GCS_MixE2_00008 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:13 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.014.D

Injection Date: 25-Jan-2023 02:32:00 Instrument ID: 9147

Lims ID: ic e2

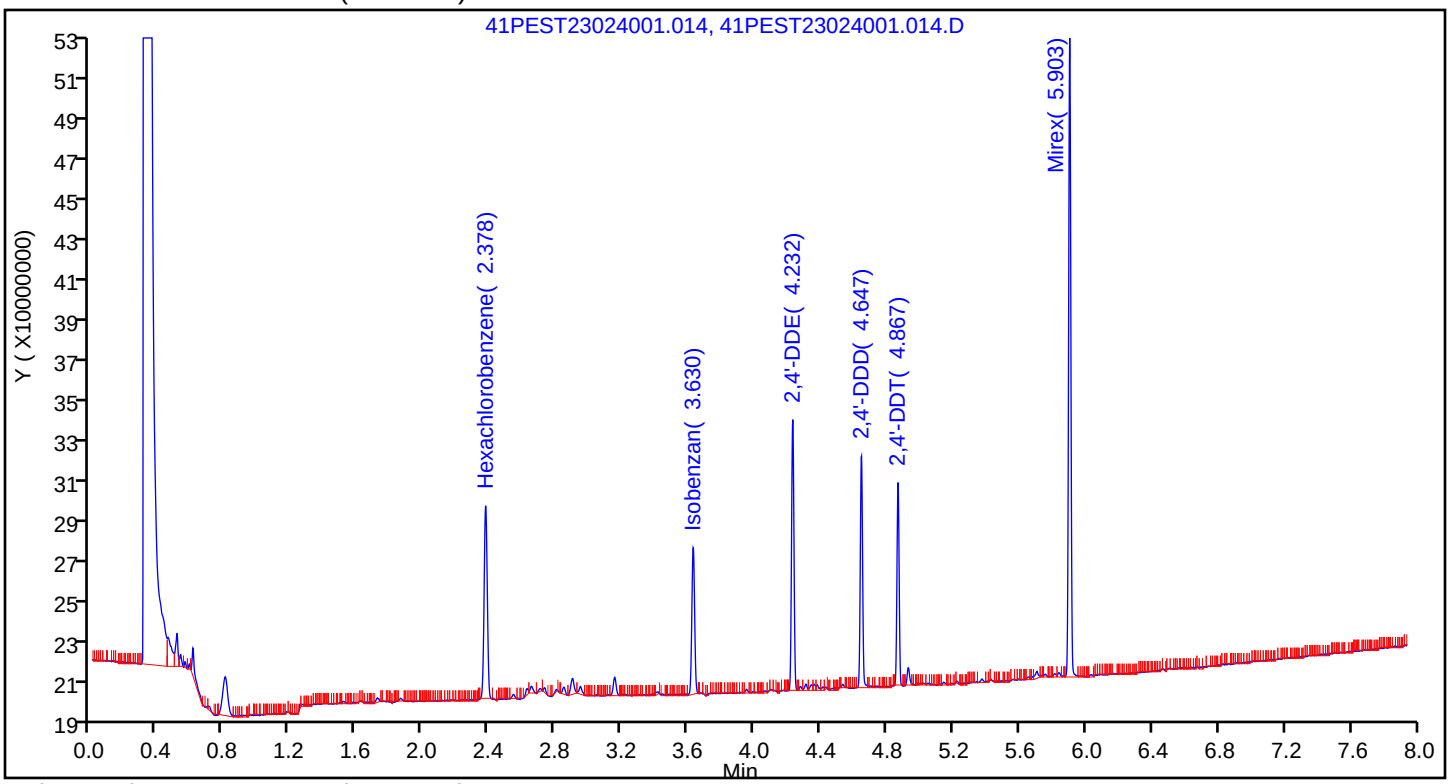
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 14

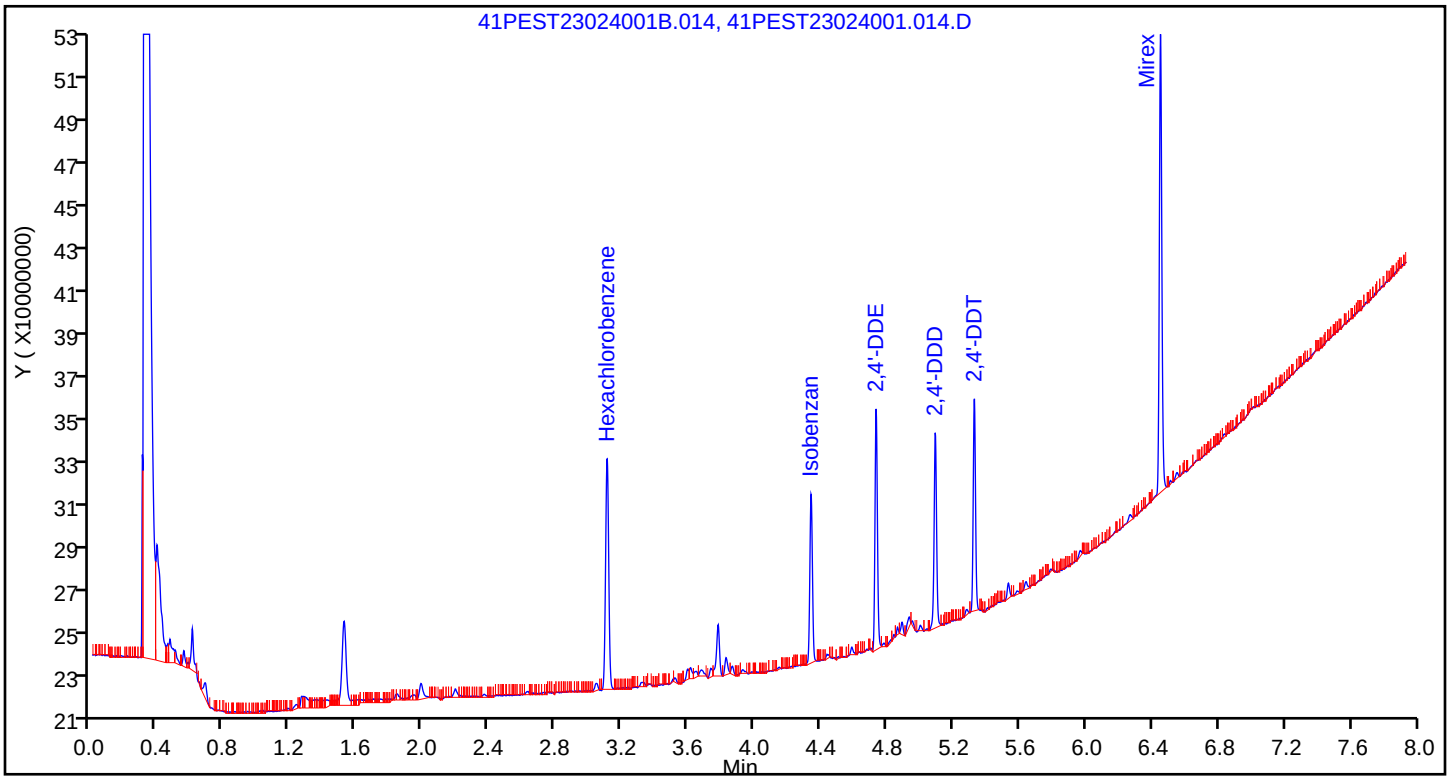
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.015.D
Lims ID: ic e3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Jan-2023 02:46:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:16 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.380	2.382	-0.002	200606847H	2.53	2.44	
2	3.117	3.118	-0.001	237197696H	2.53	2.40	
						RPD = 1.91	
10 Isobenzan							
1	3.633	3.635	-0.002	158066365H	2.50	2.48	
2	4.348	4.348	0.000	181022526H	2.50	2.39	
						RPD = 3.96	
12 2,4'-DDE							
1	4.235	4.235	0.000	298193531H	5.00	4.82	
2	4.742	4.742	0.000	261771188H	5.00	4.78	
						RPD = 0.88	
17 2,4'-DDD							
1	4.648	4.650	-0.002	254529878H	5.03	4.93	
2	5.098	5.098	0.000	214624636H	5.03	4.76	
						RPD = 3.40	
20 2,4'-DDT							
1	4.870	4.870	0.000	223423144H	5.03	4.77	
2	5.335	5.335	0.000	240983116H	5.03	4.75	
						RPD = 0.35	
30 Mirex							
1	5.907	5.907	0.000	703165637H	12.5	12.0	
2	6.458	6.458	0.000	499491196H	12.5	11.9	
						RPD = 0.77	
S 32 Total DDTs							
1						4.77	
2						4.75	
						RPD = 0.35	

Reagents:

GCS_MixE3_00007 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:18 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.015.D

Injection Date: 25-Jan-2023 02:46:00 Instrument ID: 9147

Lims ID: ic e3

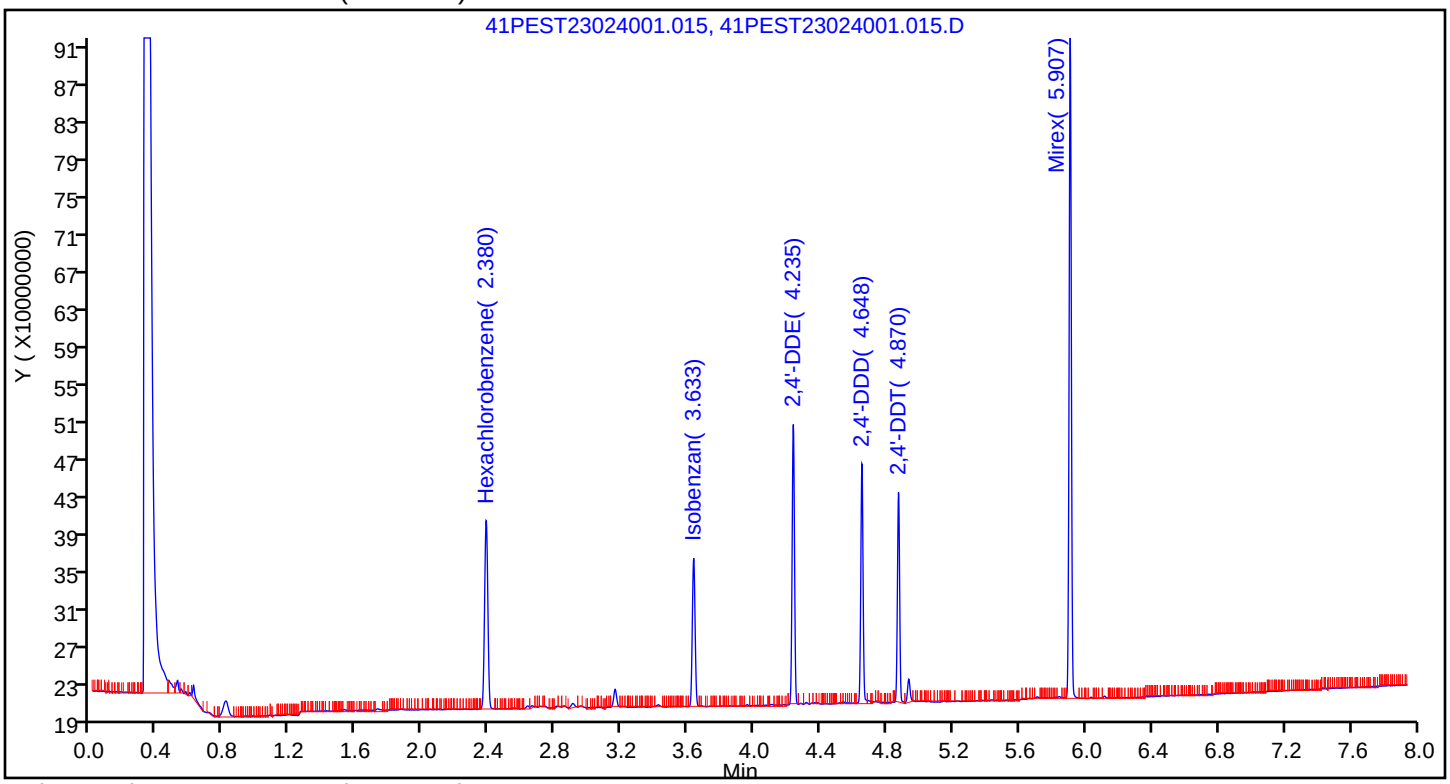
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 15

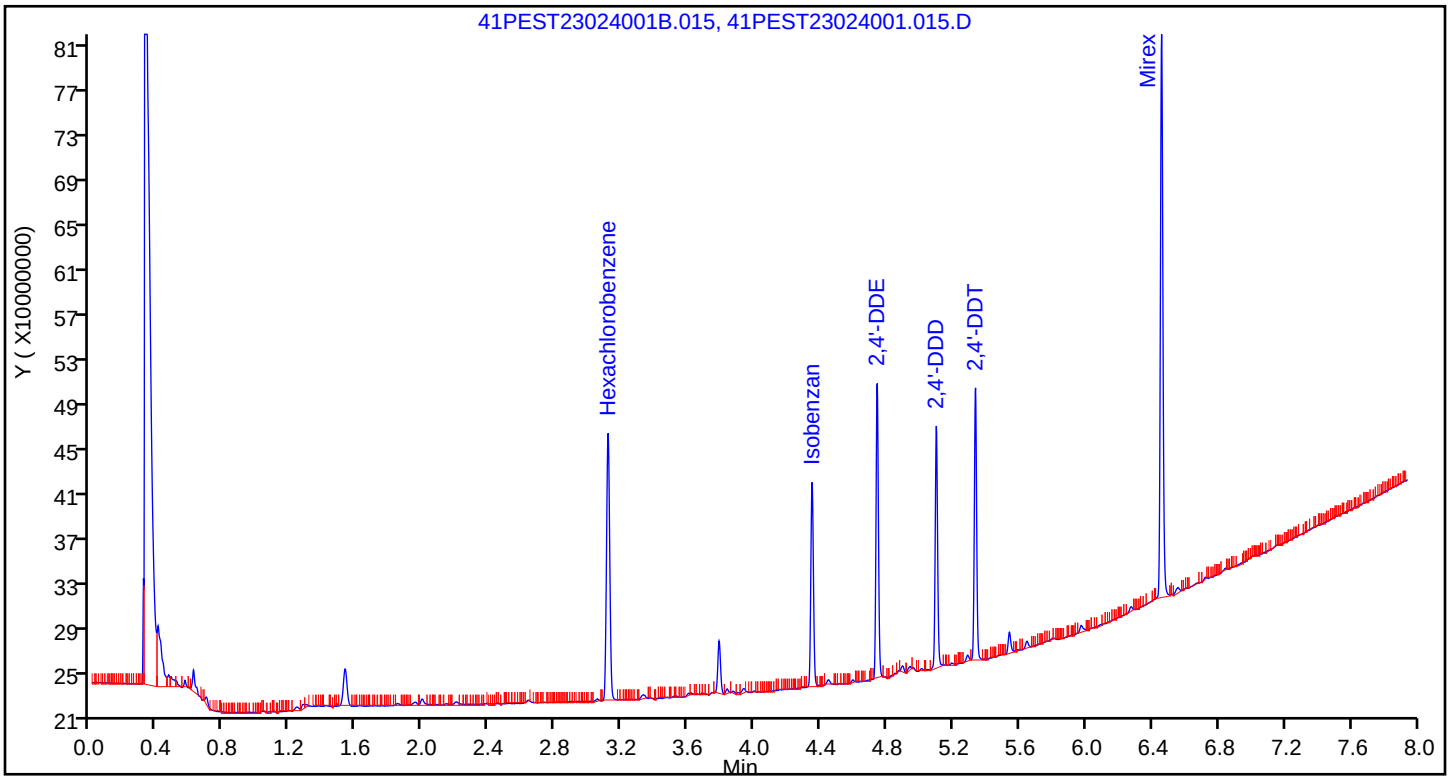
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.016.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 25-Jan-2023 03:01:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt e4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:20 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: UAMZ Date: 25-Jan-2023 11:19:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.382	2.382	0.000	395837774H	5.05	4.82	
2	3.118	3.118	0.000	487048085H	5.05	4.92	
						RPD = 2.07	
10 Isobenzan							
1	3.635	3.635	0.000	306272136H	5.00	4.81	
2	4.348	4.348	0.000	381206074H	5.00	5.02	
						RPD = 4.37	
12 2,4'-DDE							
1	4.235	4.235	0.000	613028260H	10.0	9.91	
2	4.742	4.742	0.000	554720826H	10.0	10.1	
						RPD = 2.15	
17 2,4'-DDD							
1	4.650	4.650	0.000	510941151H	10.1	9.89	
2	5.098	5.098	0.000	458099198H	10.1	10.2	
						RPD = 2.74	
20 2,4'-DDT							
1	4.870	4.870	0.000	460107782H	10.1	9.82	
2	5.335	5.335	0.000	511040903H	10.1	10.1	
						RPD = 2.58	
30 Mirex							
1	5.907	5.907	0.000	1462824799H	25.1	24.9	
2	6.458	6.458	0.000	1054290710H	25.1	25.0	
						RPD = 0.68	

Reagents:

GCS_MixE4_00008 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:22 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.016.D

Injection Date: 25-Jan-2023 03:01:00 Instrument ID: 9147

Lims ID: icrt

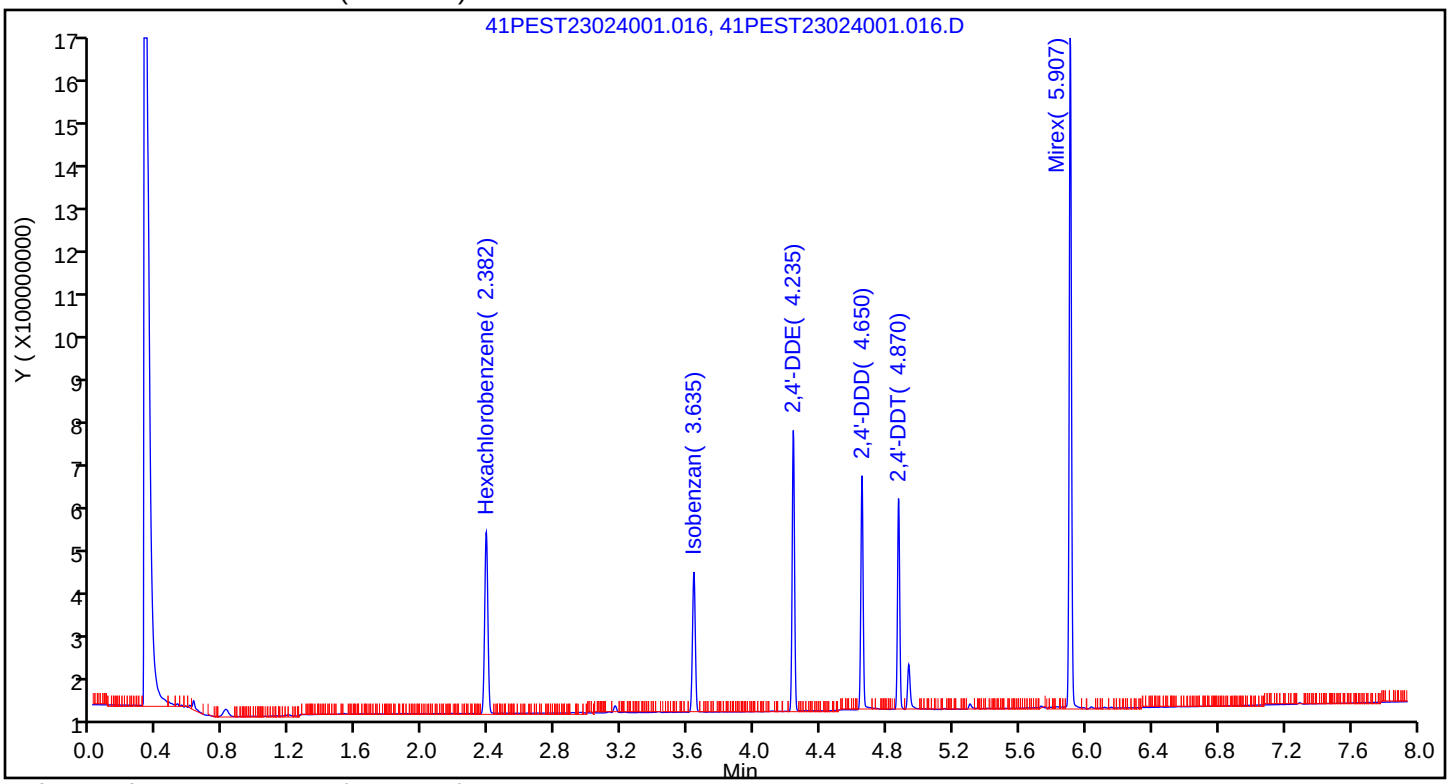
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 16

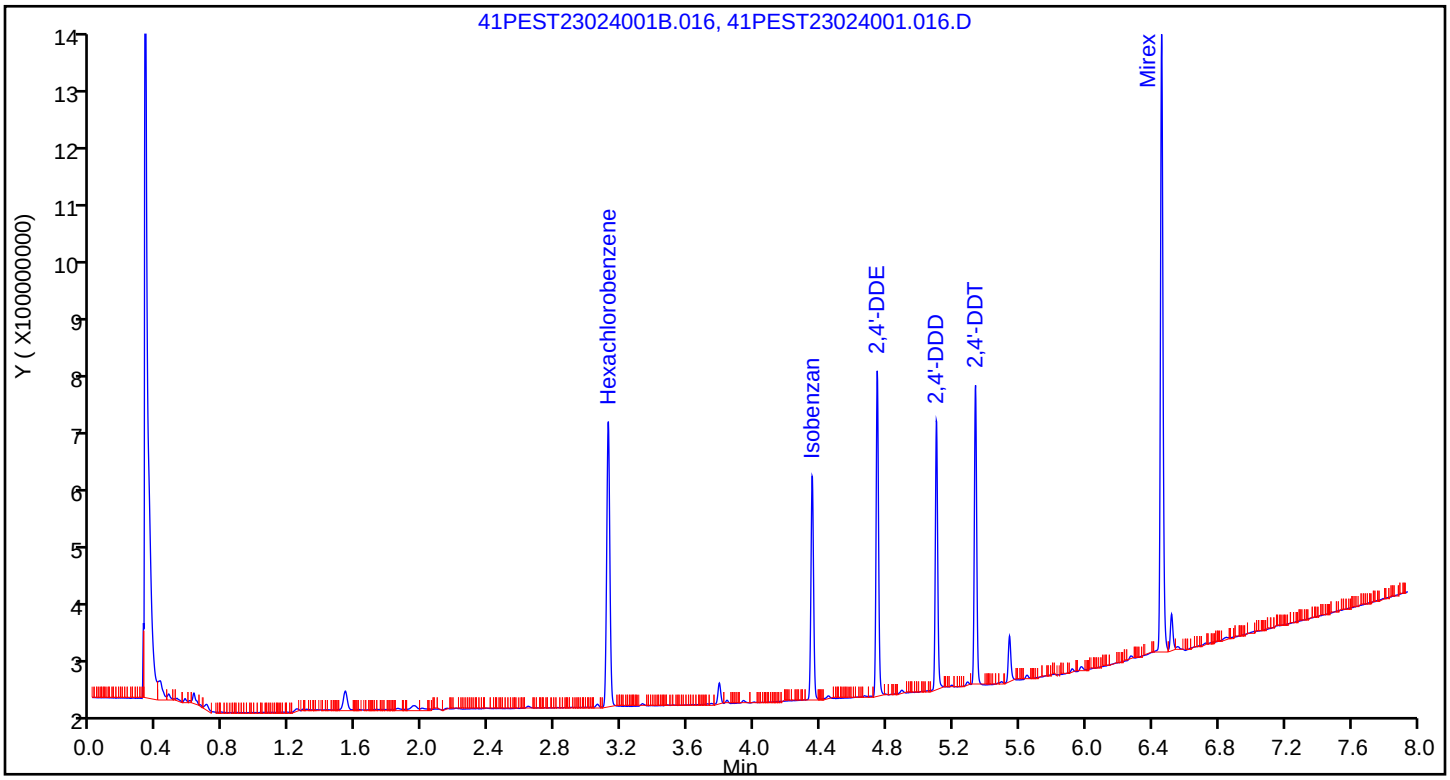
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.017.D
Lims ID: ic e5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Jan-2023 03:16:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:25 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.382	2.382	0.000	732325137H	10.1	8.92	
2	3.115	3.118	-0.003	912285156H	10.1	9.22	
						RPD = 3.31	
10 Isobenzan							
1	3.635	3.635	0.000	557314764H	10.0	8.75	
2	4.347	4.348	-0.001	711871431H	10.0	9.38	
						RPD = 6.95	
12 2,4'-DDE							
1	4.235	4.235	0.000	1107679559H	20.0	17.9	
2	4.738	4.742	-0.004	1045324002H	20.0	19.1	
						RPD = 6.35	
17 2,4'-DDD							
1	4.650	4.650	0.000	928682600H	20.1	18.0	
2	5.095	5.098	-0.003	883243008H	20.1	19.6	
						RPD = 8.63	
20 2,4'-DDT							
1	4.870	4.870	0.000	878557374H	20.1	18.7	
2	5.332	5.335	-0.003	995324917H	20.1	19.6	
						RPD = 4.56	
30 Mirex							
1	5.908	5.907	0.001	2659831534H	50.1	45.2	
2	6.457	6.458	-0.001	2012923439H	50.1	47.8	
						RPD = 5.56	
S 32 Total DDTs							
1						18.7	
2						19.6	
						RPD = 4.56	

Reagents:

GCS_MixE5_00007 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:27 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.017.D

Injection Date: 25-Jan-2023 03:16:00 Instrument ID: 9147

Lims ID: ic e5

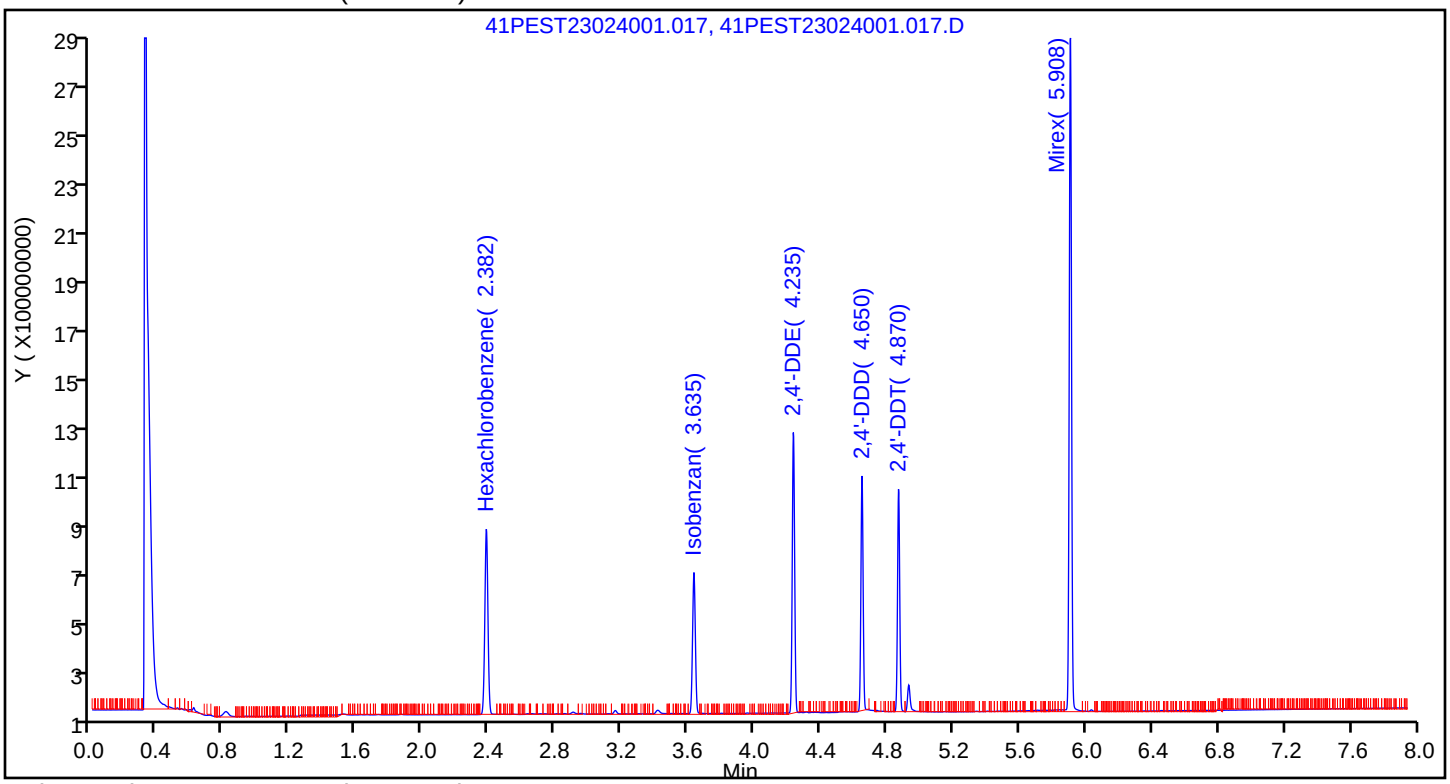
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

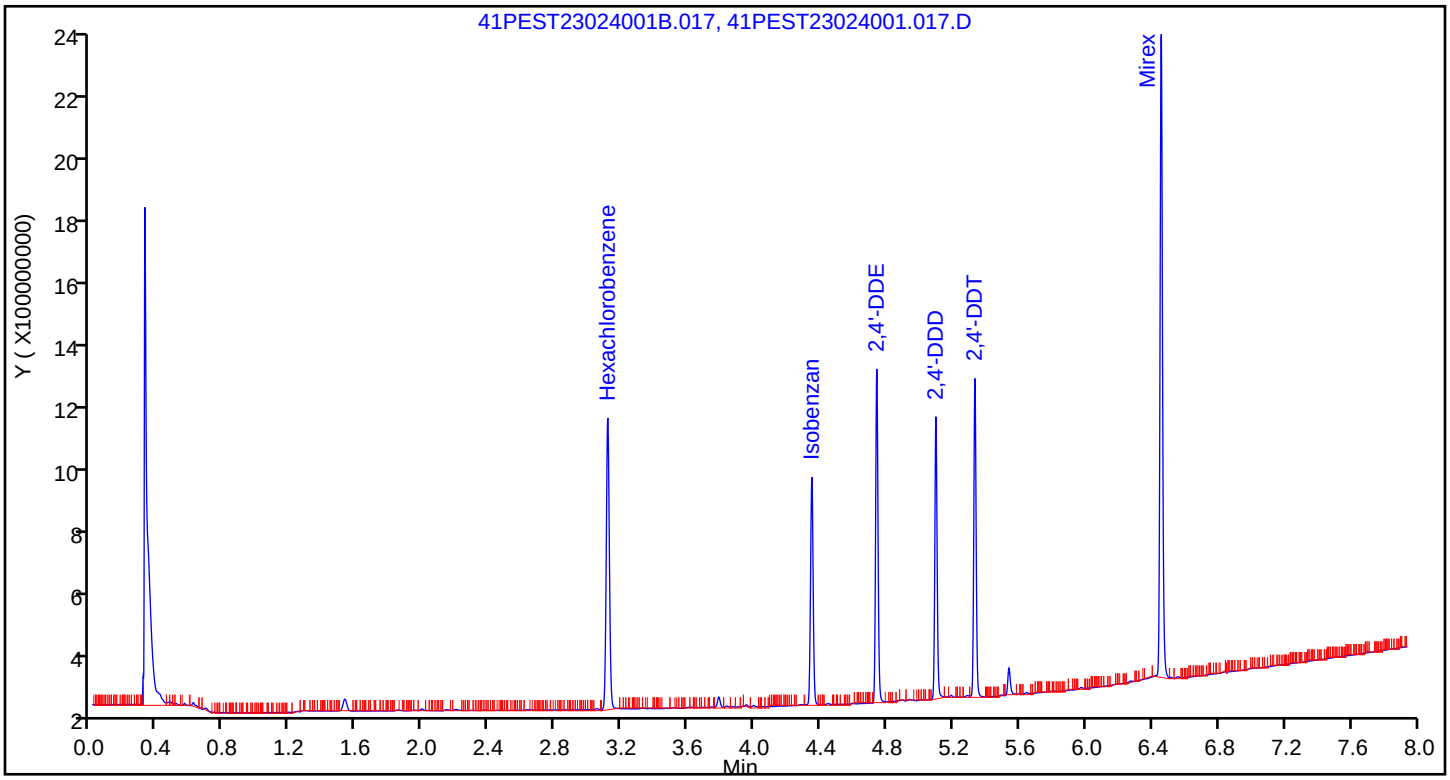
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.018.D
Lims ID: ic e6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Jan-2023 03:30:00 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic e6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub11

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:26:30 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.380	2.382	-0.002	1437365568H	20.2	17.5	
2	3.113	3.118	-0.005	1888865661H	20.2	19.1	
						RPD = 8.65	
10 Isobenzan							
1	3.633	3.635	-0.002	1151216250H	20.0	18.1	
2	4.345	4.348	-0.003	1542442668H	20.0	20.3	
						RPD = 11.72	
12 2,4'-DDE							
1	4.235	4.235	0.000	2349107829H	40.0	38.0	
2	4.738	4.742	-0.004	2201252736H	40.0	40.2	
						RPD = 5.64	
17 2,4'-DDD							
1	4.648	4.650	-0.002	1921478563H	40.2	37.2	
2	5.095	5.098	-0.003	1926961883H	40.2	42.7	
						RPD = 13.92	
20 2,4'-DDT							
1	4.870	4.870	0.000	1964291231H	40.2	41.9	
2	5.330	5.335	-0.005	2316497647H	40.2	45.7	
						RPD = 8.57	
30 Mirex							
1	5.907	5.907	0.000	6042399526H	100.2	102.7	
2	6.455	6.458	-0.003	4557642458H	100.2	108.2	
						RPD = 5.23	
S 32 Total DDTs							
1						41.9	
2						45.7	
						RPD = 8.57	

Reagents:

GCS_MixE6_00007 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:26:32 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.018.D

Injection Date: 25-Jan-2023 03:30:00 Instrument ID: 9147

Lims ID: ic e6

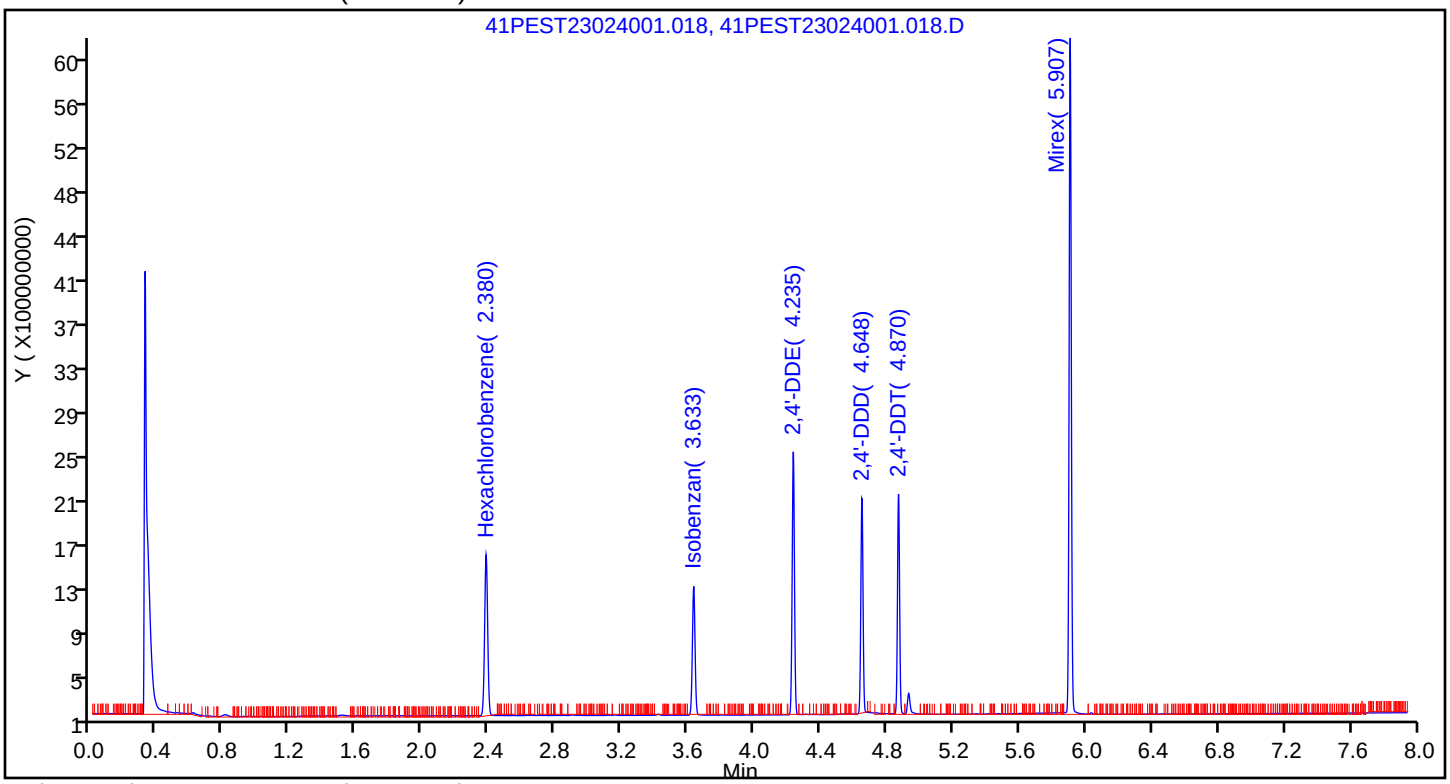
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 18

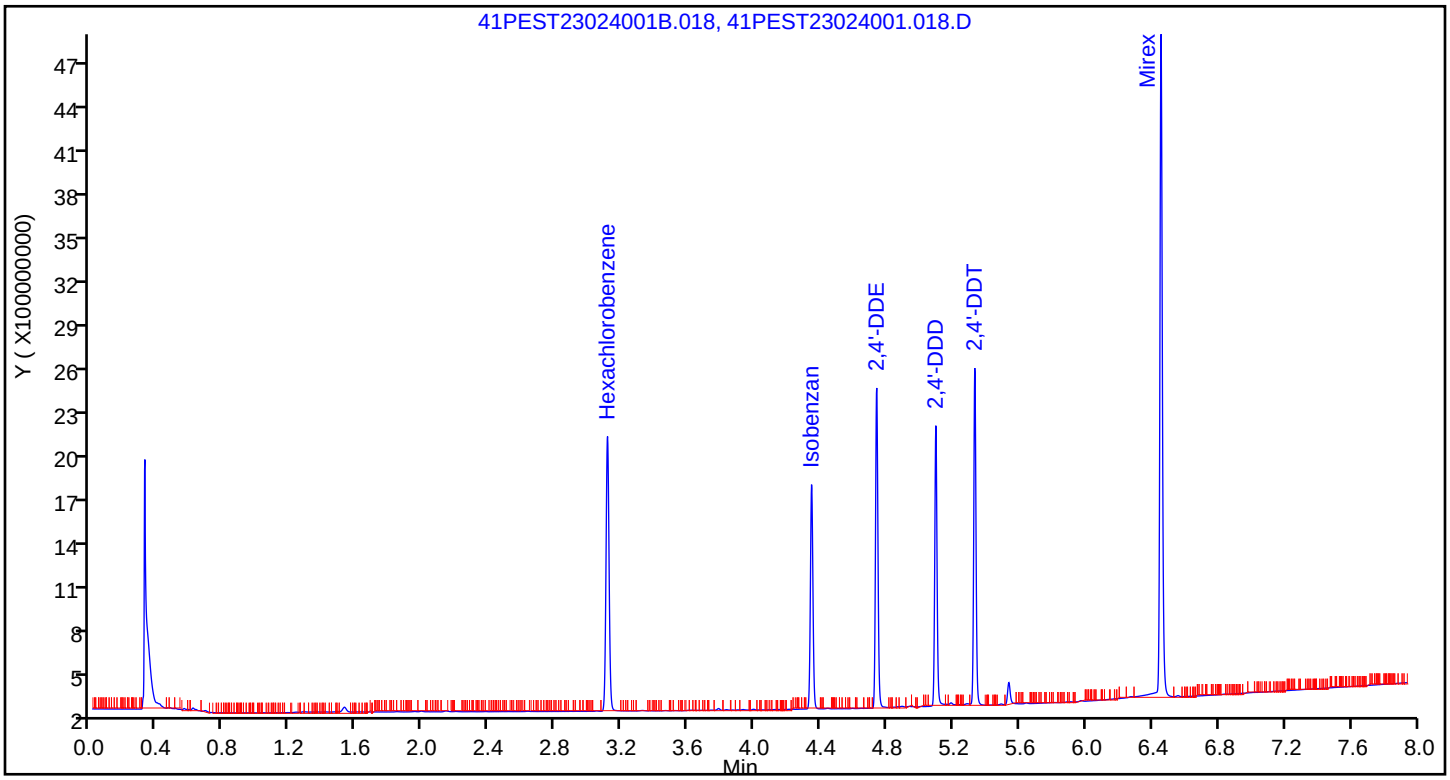
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

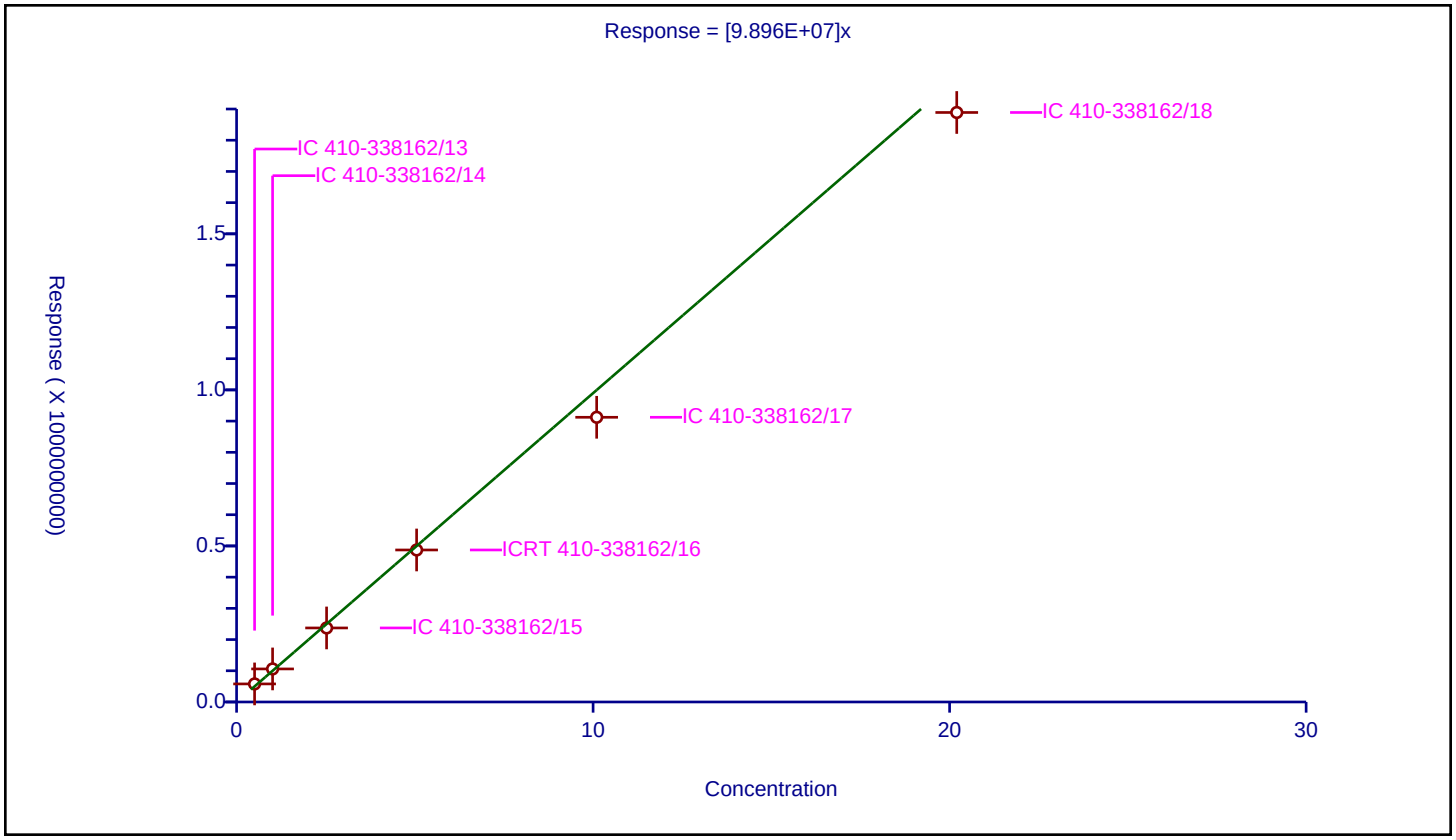
Curve Coefficients

Intercept:	0
Slope:	9.896E+07

Error Coefficients

Standard Error:	63500000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	0.505	57899690.0			114652851.485149	Y
2	IC 410-338162/14	1.01	105943005.0			104894064.356436	Y
3	IC 410-338162/15	2.525	237197696.0			93939681.584158	Y
4	ICRT 410-338162/16	5.05	487048085.0			96445165.346535	Y
5	IC 410-338162/17	10.1	912285156.0			90325262.970297	Y
6	IC 410-338162/18	20.2	1888865661.0			93508201.039604	Y



Calibration / Isobenzan

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

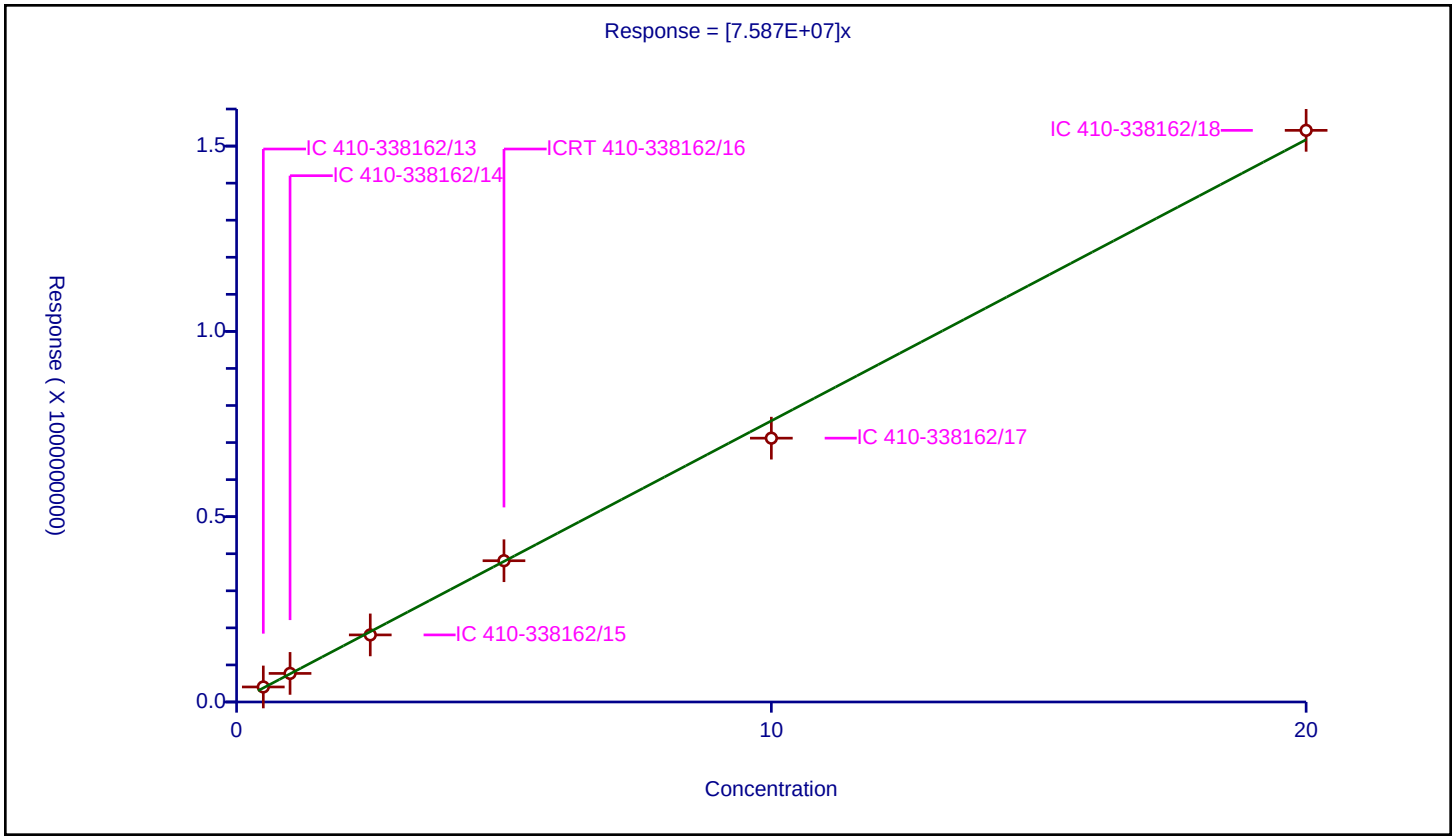
Curve Coefficients

Intercept:	0
Slope:	7.587E+07

Error Coefficients

Standard Error:	24100000
Relative Standard Error:	4.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	0.5	40564664.0			81129328.0	Y
2	IC 410-338162/14	1.0	77114038.0			77114038.0	Y
3	IC 410-338162/15	2.5	181022526.0			72409010.4	Y
4	ICRT 410-338162/16	5.0	381206074.0			76241214.8	Y
5	IC 410-338162/17	10.0	711871431.0			71187143.1	Y
6	IC 410-338162/18	20.0	1542442668.0			77122133.4	Y



Calibration / 2,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

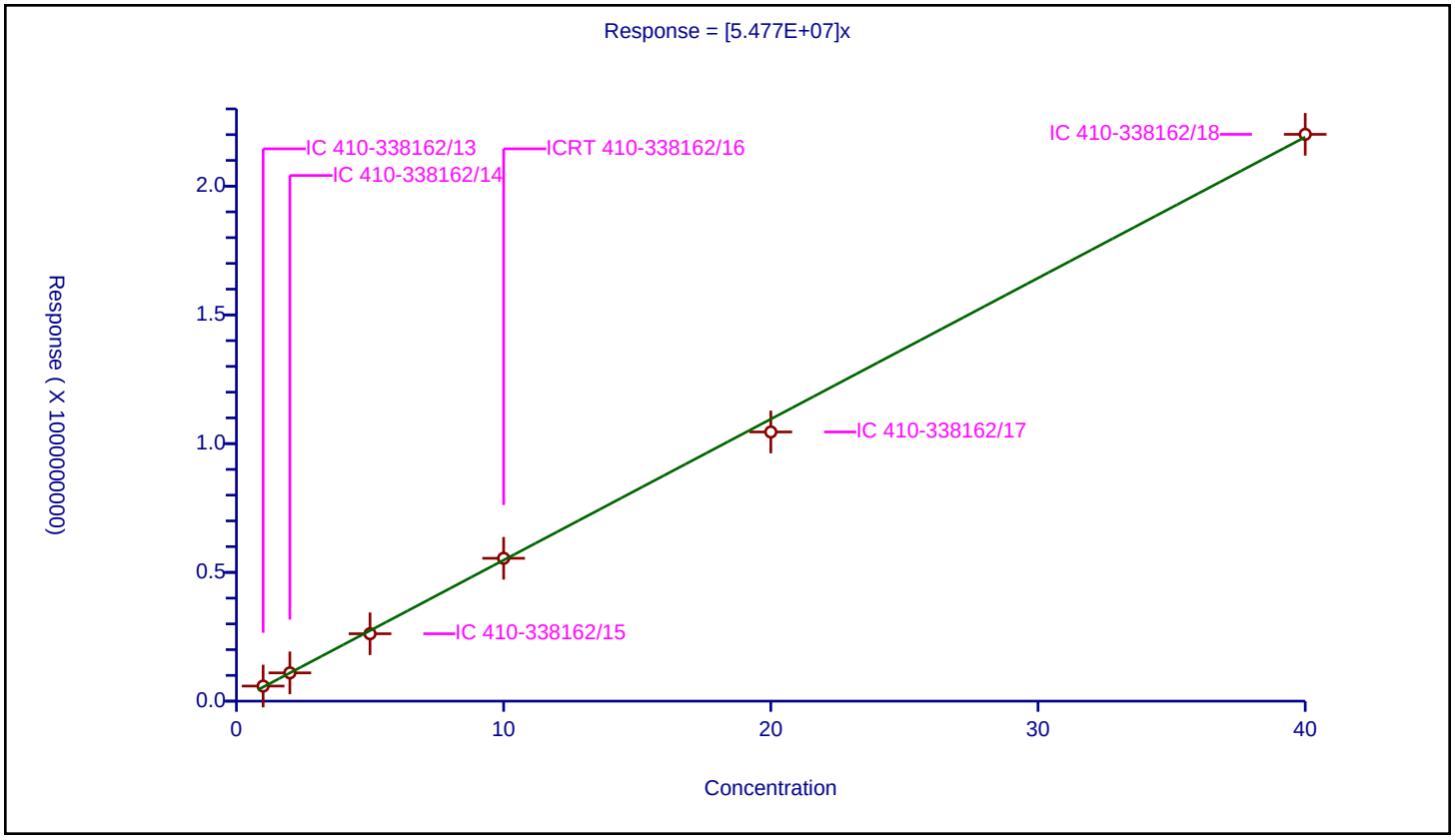
Curve Coefficients

Intercept:	0
Slope:	5.477E+07

Error Coefficients

Standard Error:	23800000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	1.0	58568779.0			58568779.0	Y
2	IC 410-338162/14	2.0	109812477.0			54906238.5	Y
3	IC 410-338162/15	5.0	261771188.0			52354237.6	Y
4	ICRT 410-338162/16	10.0	554720826.0			55472082.6	Y
5	IC 410-338162/17	20.0	1045324002.0			52266200.1	Y
6	IC 410-338162/18	40.0	2201252736.0			55031318.4	Y



Calibration / 2,4'-DDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

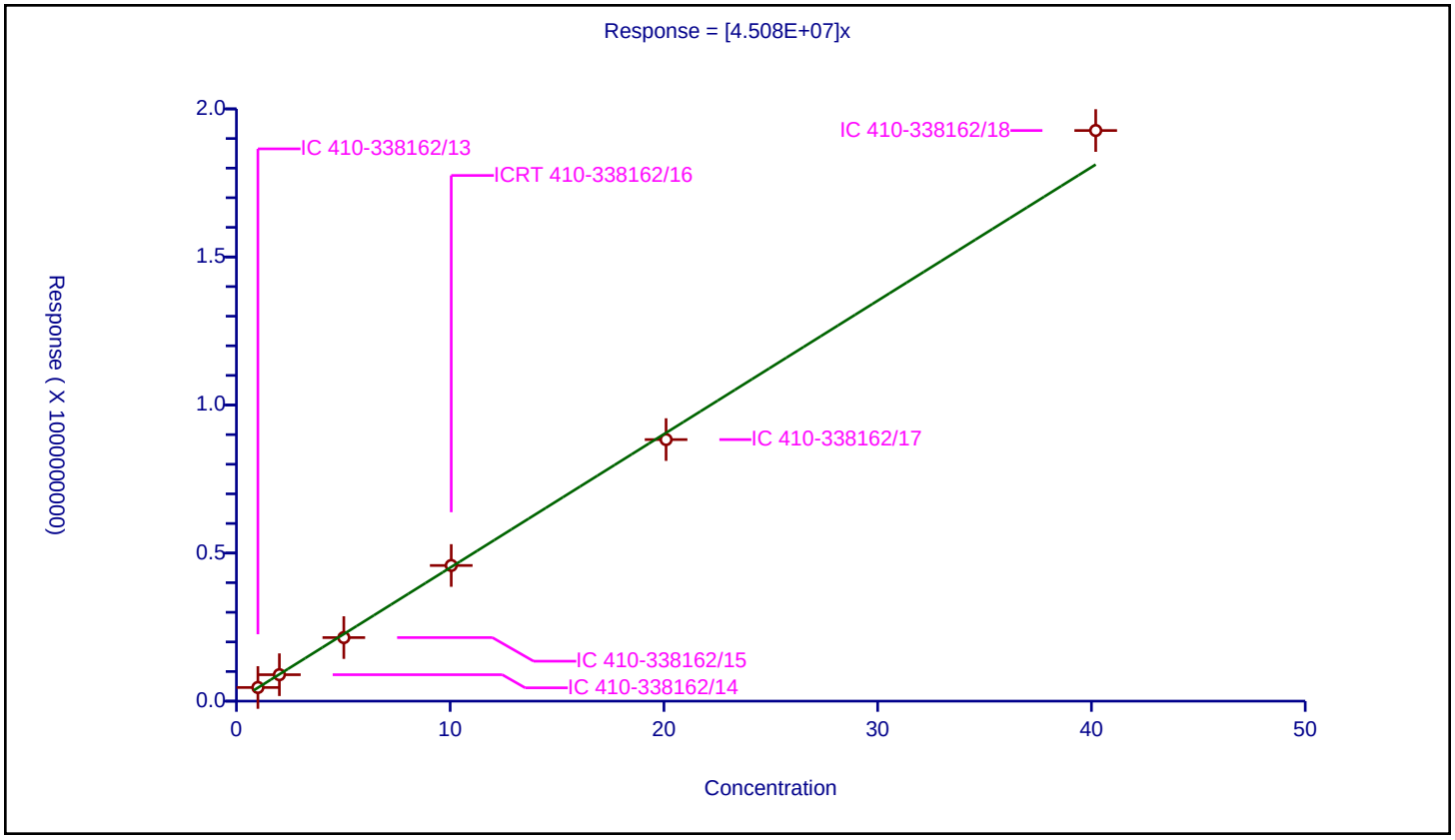
Curve Coefficients

Intercept:	0
Slope:	4.508E+07

Error Coefficients

Standard Error:	52700000
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 410-338162/13	1.005	46136696.0			45907160.199005	Y
2	IC 410-338162/14	2.01	89231000.0			44393532.338309	Y
3	IC 410-338162/15	5.025	214624636.0			42711370.348259	Y
4	ICRT 410-338162/16	10.05	458099198.0			45582009.751244	Y
5	IC 410-338162/17	20.1	883243008.0			43942438.208955	Y
6	IC 410-338162/18	40.2	1926961883.0			47934375.199005	Y



Calibration / 2,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

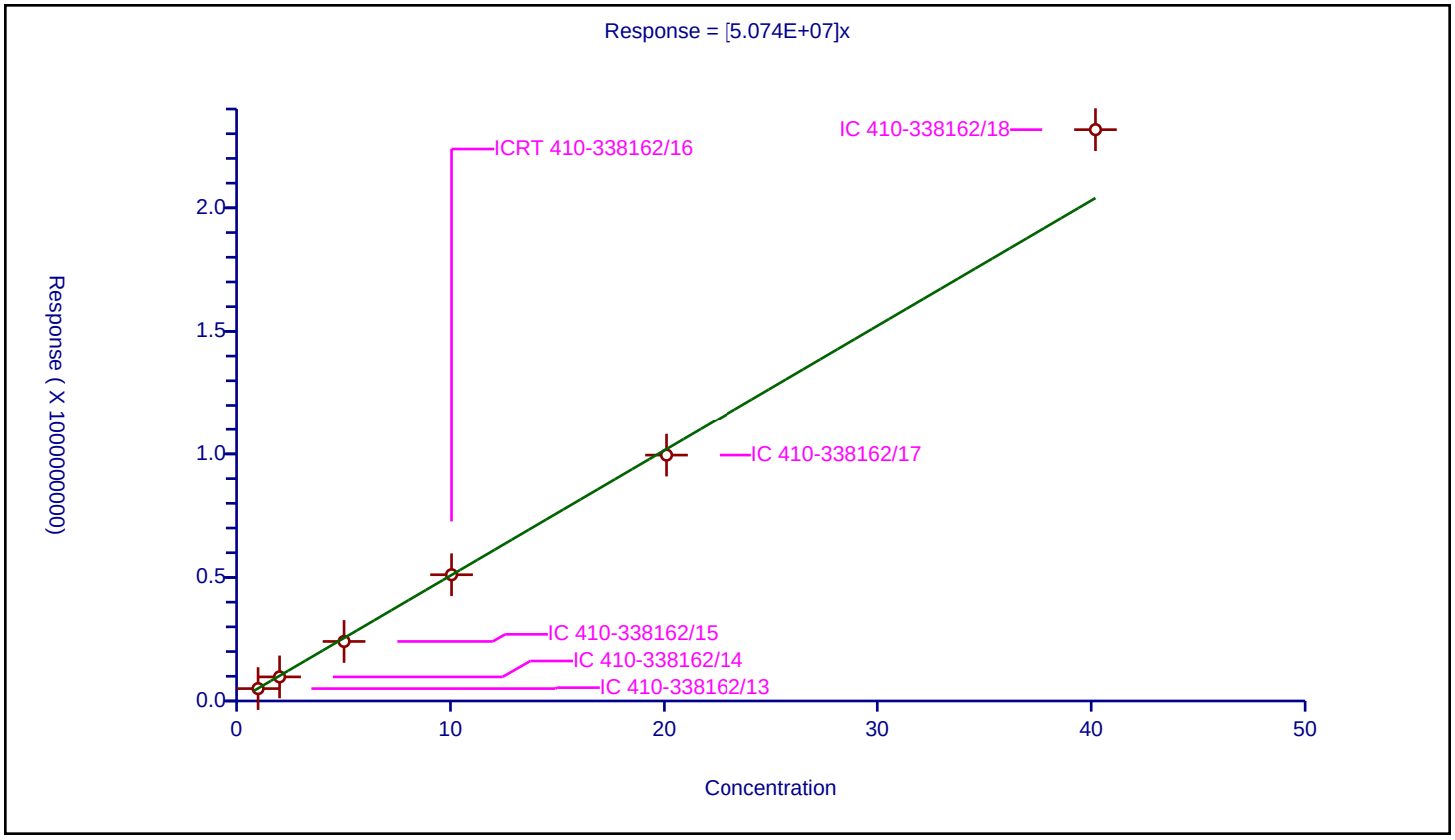
Curve Coefficients

Intercept:	0
Slope:	5.074E+07

Error Coefficients

Standard Error:	124000000
Relative Standard Error:	6.9
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	1.005	50184808.0			49935132.338309	Y
2	IC 410-338162/14	2.01	97558758.0			48536695.522388	Y
3	IC 410-338162/15	5.025	240983116.0			47956839.004975	Y
4	ICRT 410-338162/16	10.05	511040903.0			50849841.094527	Y
5	IC 410-338162/17	20.1	995324917.0			49518652.587065	Y
6	IC 410-338162/18	40.2	2316497647.0			57624319.577114	Y



Calibration / Mirex

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

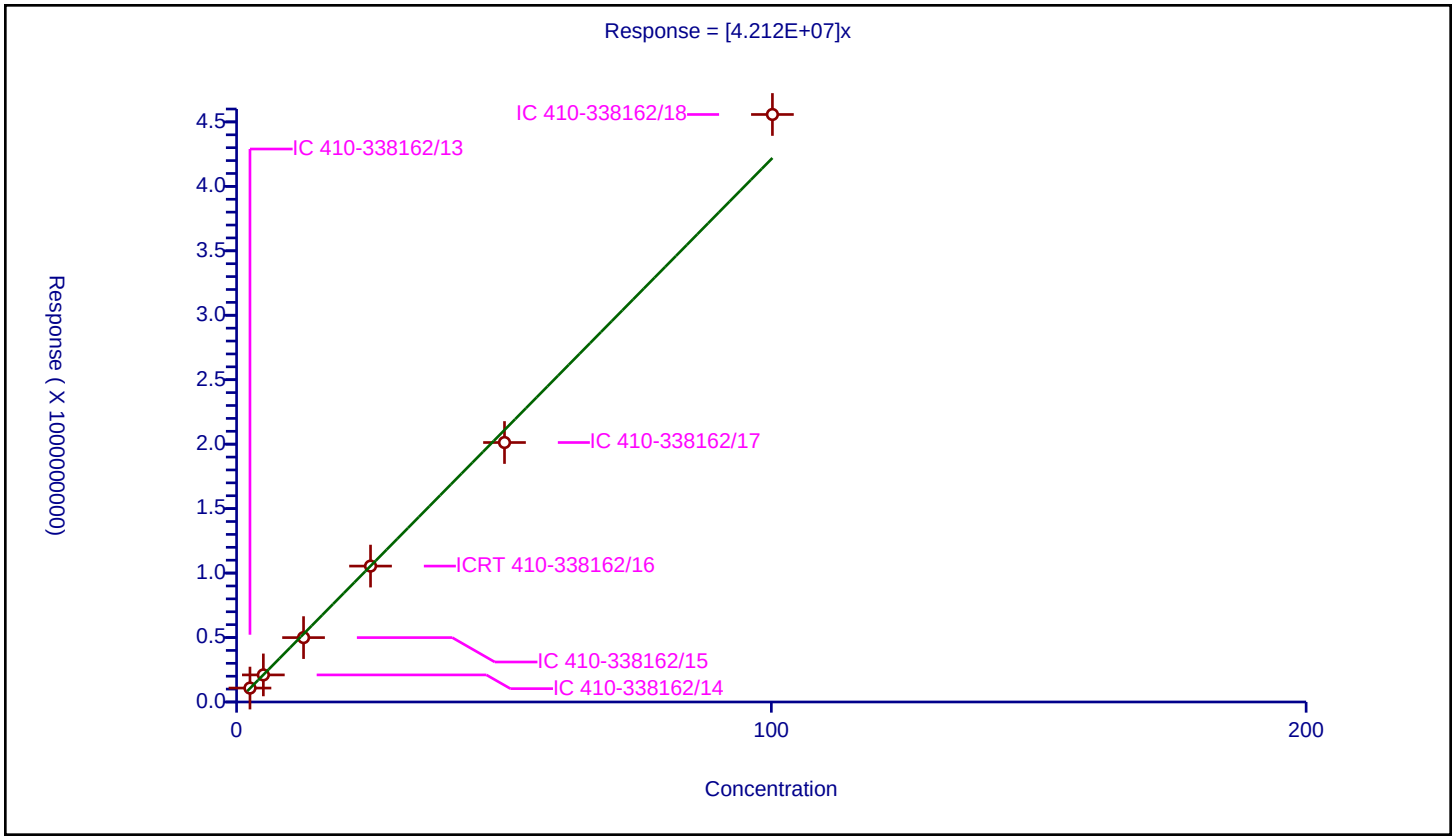
Curve Coefficients

Intercept:	0
Slope:	4.212E+07

Error Coefficients

Standard Error:	158000000
Relative Standard Error:	4.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/13	2.505	108066848.0			43140458.283433	Y
2	IC 410-338162/14	5.01	210027037.0			41921564.271457	Y
3	IC 410-338162/15	12.525	499491196.0			39879536.606786	Y
4	ICRT 410-338162/16	25.05	1054290710.0			42087453.493014	Y
5	IC 410-338162/17	50.1	2012923439.0			40178112.55489	Y
6	IC 410-338162/18	100.2	4557642458.0			45485453.672655	Y



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 05:14 Calibration End Date: 01/25/2023 06:28 Calibration ID: 46662

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/25	41PEST23024001.025.D
Level 2	IC 410-338162/26	41PEST23024001.026.D
Level 3	IC 410-338162/27	41PEST23024001.027.D
Level 4	ICRT 410-338162/28	41PEST23024001.028.D
Level 5	IC 410-338162/29	41PEST23024001.029.D
Level 6	IC 410-338162/30	41PEST23024001.030.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 5	4.868	4.868	4.868	4.870	4.870	4.870					4.840 - 4.900	4.869
Toxaphene Peak 1	5.072	5.072	5.072	5.073	5.073	5.072					5.043 - 5.103	5.072
Toxaphene Peak 2	5.288	5.287	5.287	5.288	5.288	5.288					5.258 - 5.318	5.288
Toxaphene Peak 3	5.667	5.667	5.667	5.668	5.668	5.670					5.638 - 5.698	5.668
Toxaphene Peak 4	5.912	5.910	5.910	5.912	5.913	5.912					5.882 - 5.942	5.912

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 05:14 Calibration End Date: 01/25/2023 06:28 Calibration ID: 46662

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/25	41PEST23024001.025.D
Level 2	IC 410-338162/26	41PEST23024001.026.D
Level 3	IC 410-338162/27	41PEST23024001.027.D
Level 4	ICRT 410-338162/28	41PEST23024001.028.D
Level 5	IC 410-338162/29	41PEST23024001.029.D
Level 6	IC 410-338162/30	41PEST23024001.030.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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 5	1017898 805605	971766 787422	835759	807422	Ave		870978.503				11.3		20.0			
Toxaphene Peak 1	1277611 1022441	1192465 1047423	1052598	1058374	Ave		1108485.50				9.2		20.0			
Toxaphene Peak 2	1553181 1497290	1491410 1581334	1438419	1441462	Ave		1500516.19				3.9		20.0			
Toxaphene Peak 3	1912372 1890751	1838115 2045856	1763941	1855146	Ave		1884363.63				5.0		20.0			
Toxaphene Peak 4	1337134 1592059	1353142 1675739	1319546	1483371	Ave		1460165.23				10.2		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 05:14 Calibration End Date: 01/25/2023 06:28 Calibration ID: 46662

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/25	41PEST23024001.025.D
Level 2	IC 410-338162/26	41PEST23024001.026.D
Level 3	IC 410-338162/27	41PEST23024001.027.D
Level 4	ICRT 410-338162/28	41PEST23024001.028.D
Level 5	IC 410-338162/29	41PEST23024001.029.D
Level 6	IC 410-338162/30	41PEST23024001.030.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 5	Ave	50894876 1574843818	97176557	167151804	403710855	805605288	50.0 2000	100	200	500	1000
Toxaphene Peak 1	Ave	63880560 2094846233	119246516	210519625	529187103	1022441180	50.0 2000	100	200	500	1000
Toxaphene Peak 2	Ave	77659052 3162668728	149140967	287683881	720731162	1497290365	50.0 2000	100	200	500	1000
Toxaphene Peak 3	Ave	95618611 4091711732	183811539	352788255	927572795	1890751447	50.0 2000	100	200	500	1000
Toxaphene Peak 4	Ave	66856693 3351477737	135314222	263909198	741685682	1592059078	50.0 2000	100	200	500	1000

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.025.D
Lims ID: ic tox1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Jan-2023 05:14:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:11 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 12:53:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.072	5.073	-0.001	63880560H	50.0	57.6	M
1	5.288	5.288	0.000	77659052H	50.0	51.8	M
1	5.667	5.668	-0.001	95618611H	50.0	50.7	M
1	5.912	5.912	0.000	66856693H	50.0	45.8	M
1	4.868	4.870	-0.002	50894876H	50.0	58.4	M
		Average of Peak Amounts =				52.9	
2	5.538	5.557	-0.019	39472468H	50.0	39.8	M
2	5.737	5.733	0.004	59844216H	50.0	42.2	M
2	5.872	5.870	0.002	45785477H	50.0	39.2	M
2	6.118	6.115	0.003	49954169H	50.0	40.6	M
2	6.370	6.368	0.002	36274333H	50.0	39.4	M
		Average of Peak Amounts =				40.2	
						RPD = 27.11	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOX1_00010 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:12 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.025.D

Injection Date: 25-Jan-2023 05:14:00 Instrument ID: 9147

Lims ID: ic tox1

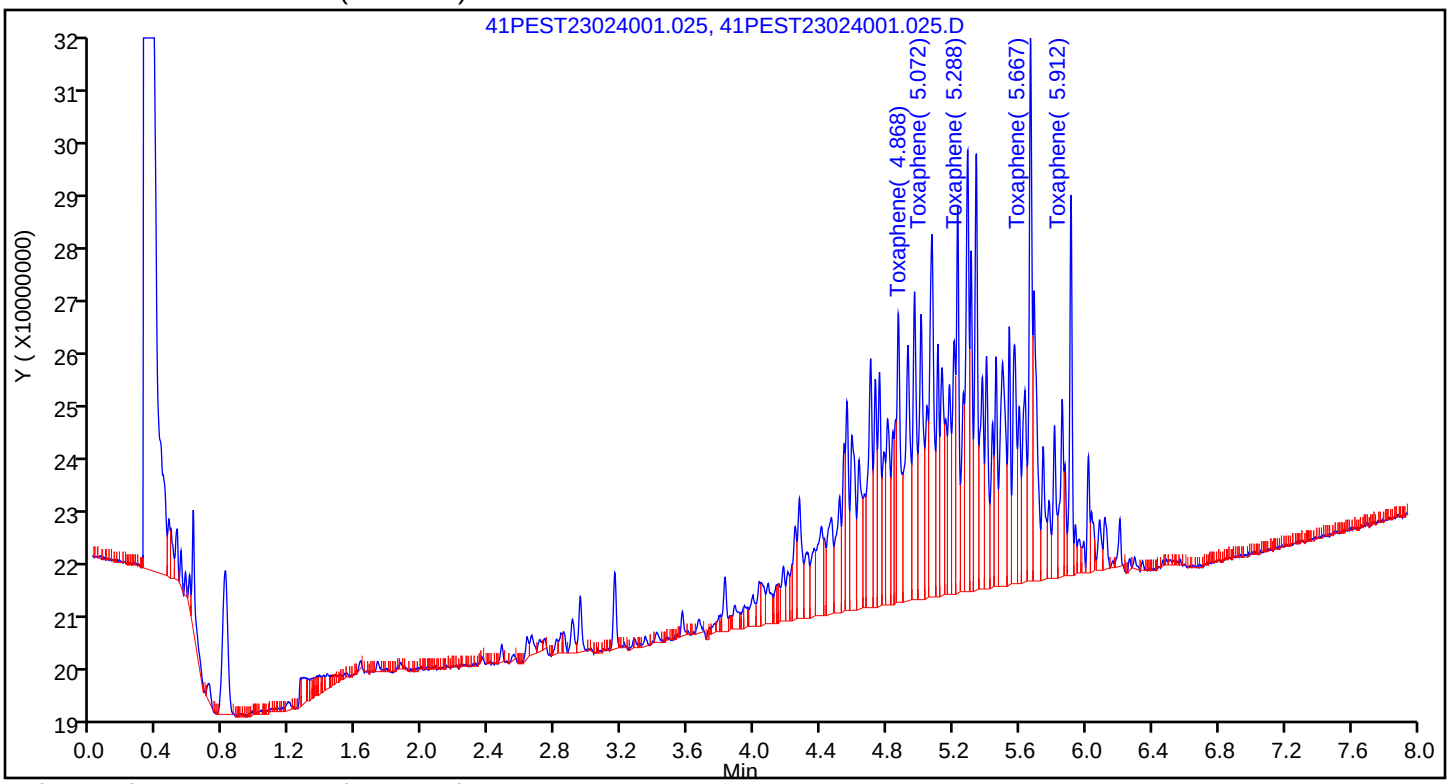
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 25

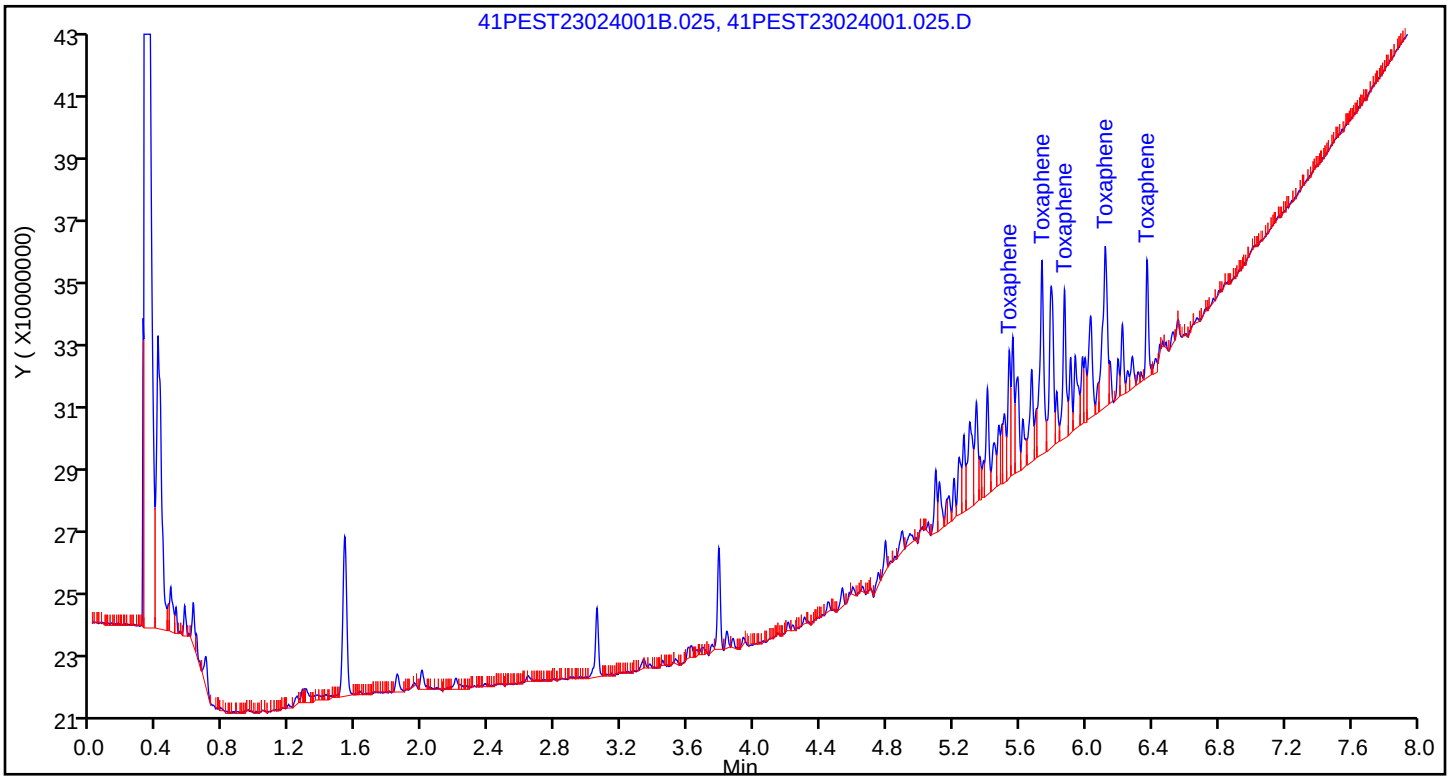
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Report Date: 25-Jan-2023 13:27:13 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.025.D

Injection Date: 25-Jan-2023 05:14:00 Instrument ID: 9147

Lims ID: ic tox1

Client ID:

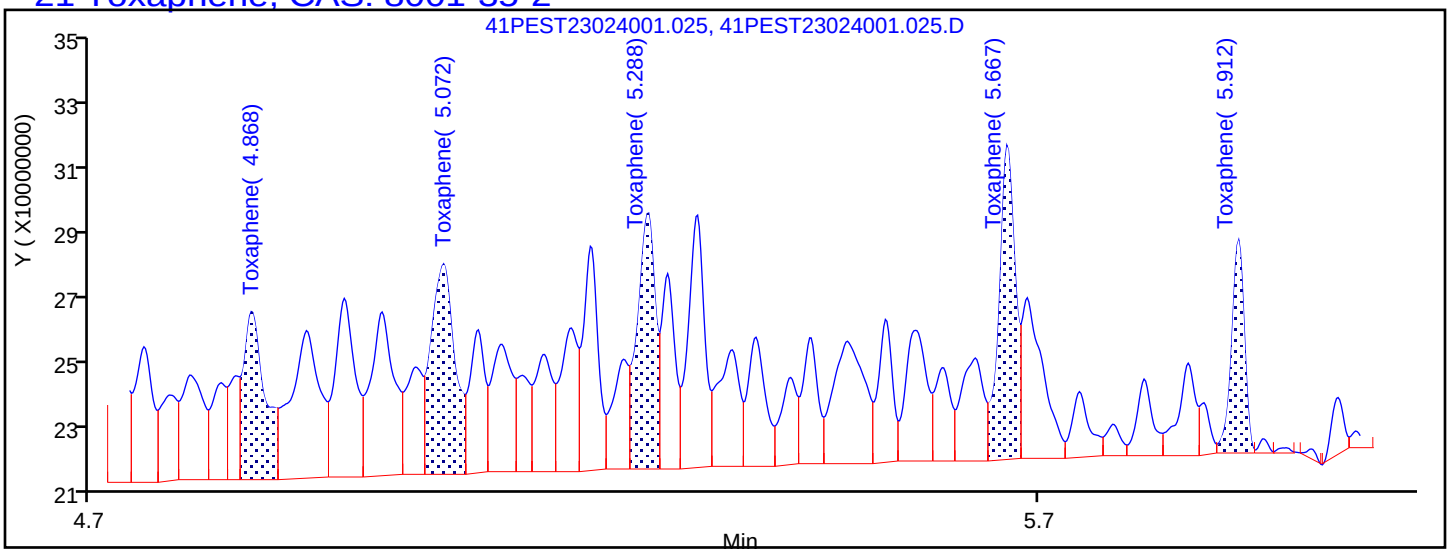
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 25

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

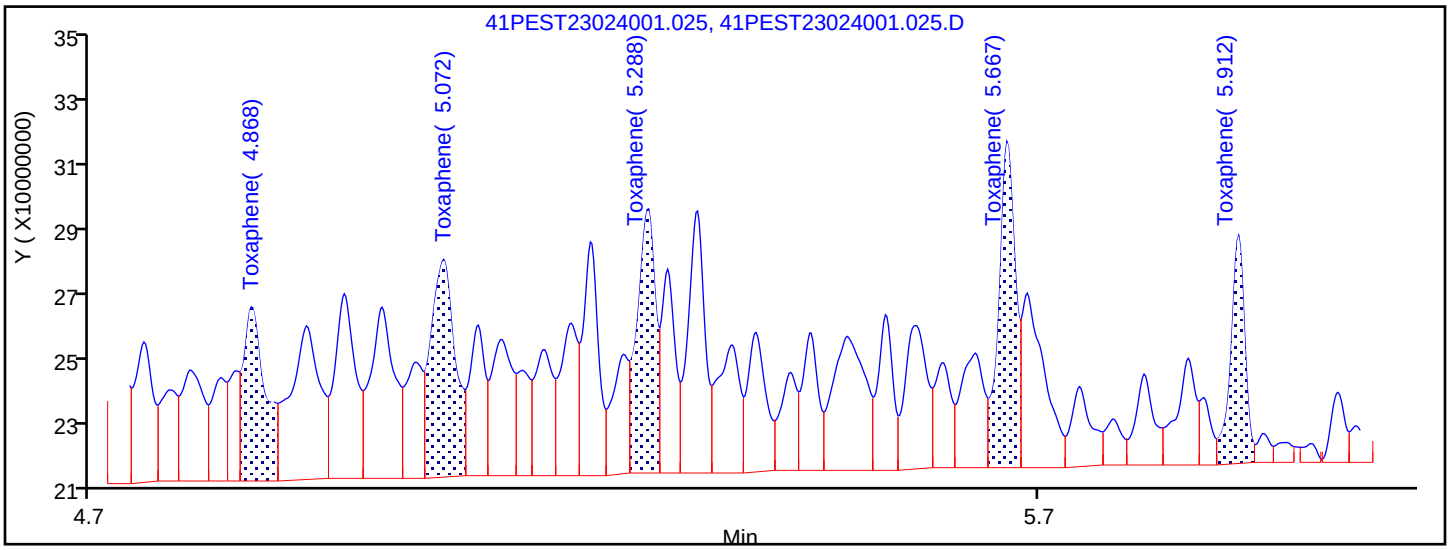
Column: Phenomenex MR2 (0.00 mm) Detector 1AECDA

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.072	Response = 61375209
5.288	Response = 74619905
5.667	Response = 91647374
5.912	Response = 62281855
4.868	Response = 48890472



Manual Integration Results

5.072	Response = 63880560	M
5.288	Response = 77659052	M
5.667	Response = 95618611	M
5.912	Response = 66856693	M
4.868	Response = 50894876	M

Reviewer: JC94, 25-Jan-2023 13:18:34

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.026.D
Lims ID: ic t2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Jan-2023 05:29:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:18 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 12:53:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.072	5.073	-0.001	119246516H	100.0	107.6	M
1	5.287	5.288	-0.001	149140967H	100.0	99.4	M
1	5.667	5.668	-0.001	183811539H	100.0	97.5	M
1	5.910	5.912	-0.002	135314222H	100.0	92.7	M
1	4.868	4.870	-0.002	97176557H	100.0	111.6	M
		Average of Peak Amounts =				101.8	
2	5.560	5.557	0.003	93063125H	100.0	93.8	M
2	5.735	5.733	0.002	129244907H	100.0	91.1	M
2	5.872	5.870	0.002	100694268H	100.0	86.3	M
2	6.118	6.115	0.003	108204272H	100.0	88.0	M
2	6.370	6.368	0.002	74143645H	100.0	80.5	M
		Average of Peak Amounts =				87.9	
						RPD = 14.55	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOX2_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:19 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.026.D

Injection Date: 25-Jan-2023 05:29:00 Instrument ID: 9147

Lims ID: ic t2

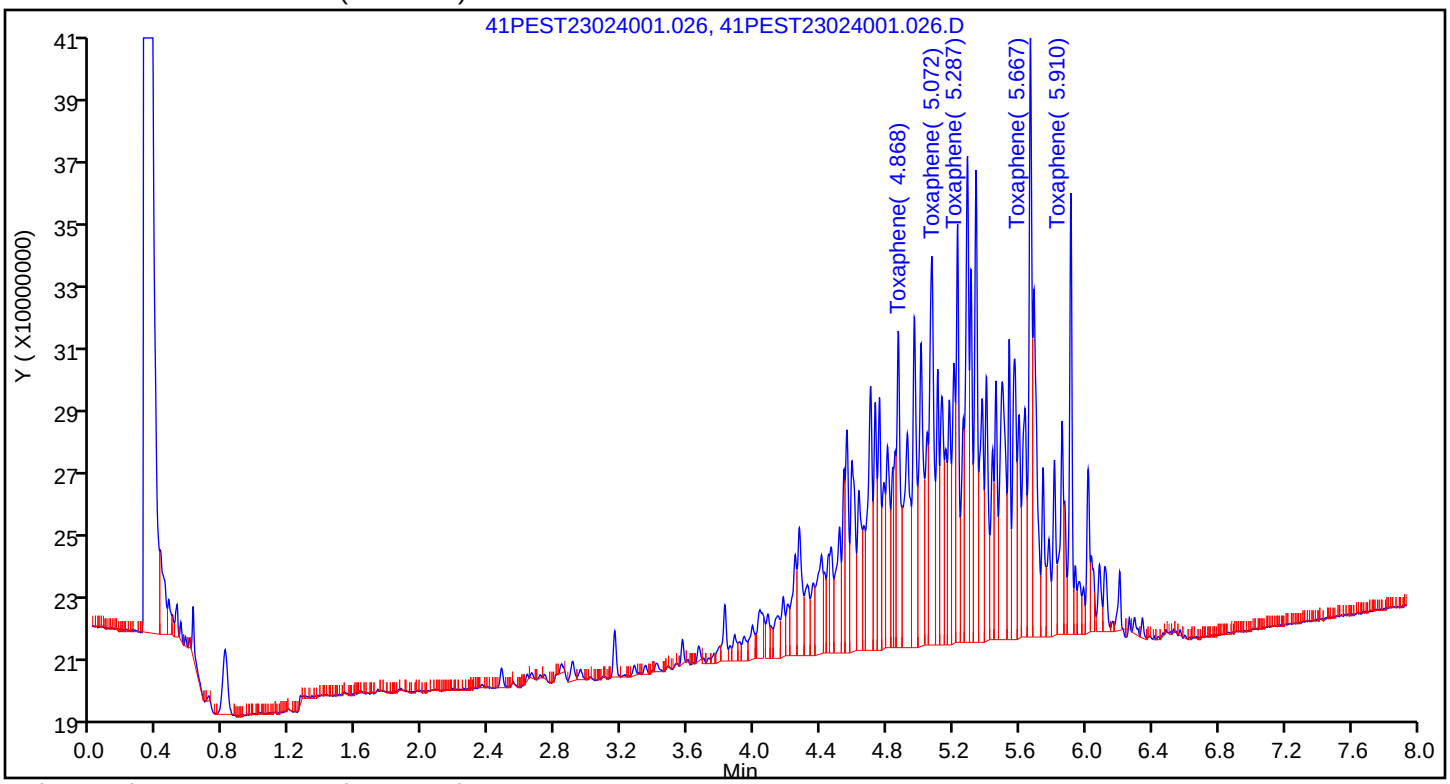
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

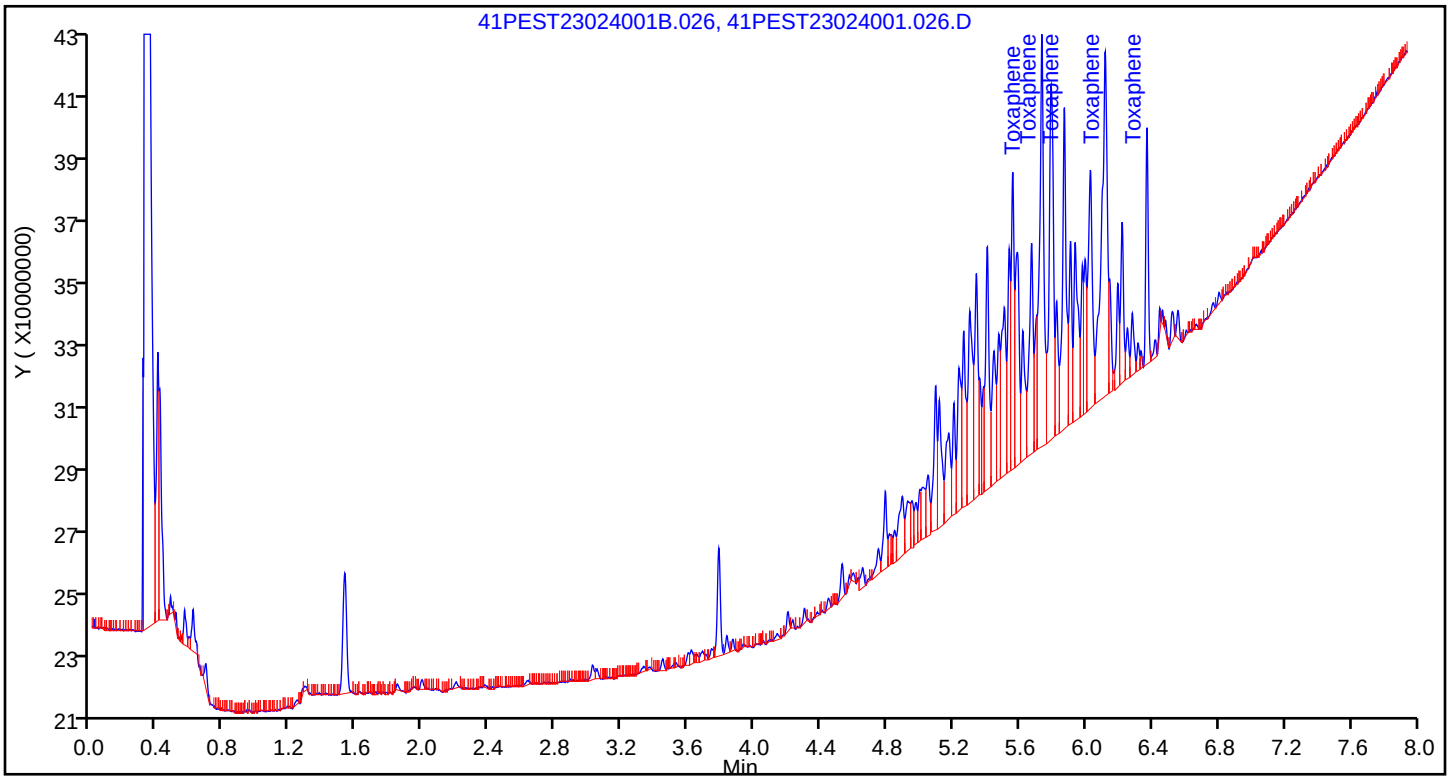
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Report Date: 25-Jan-2023 13:27:19 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.026.D

Injection Date: 25-Jan-2023 05:29:00 Instrument ID: 9147

Lims ID: ic t2

Client ID:

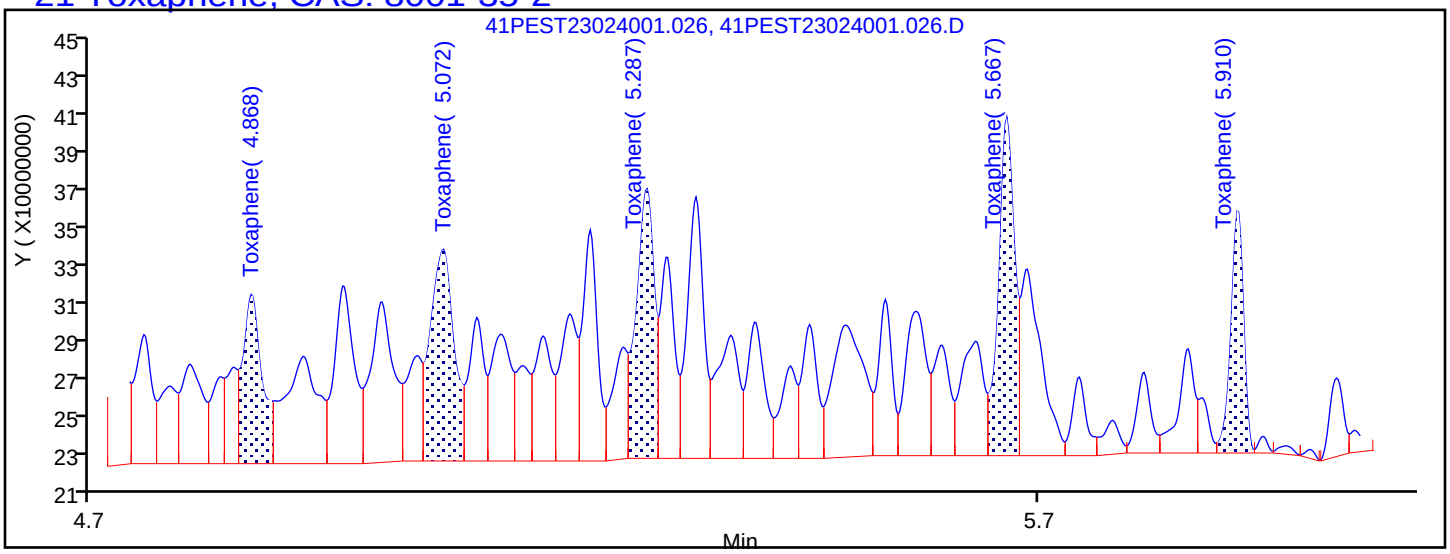
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

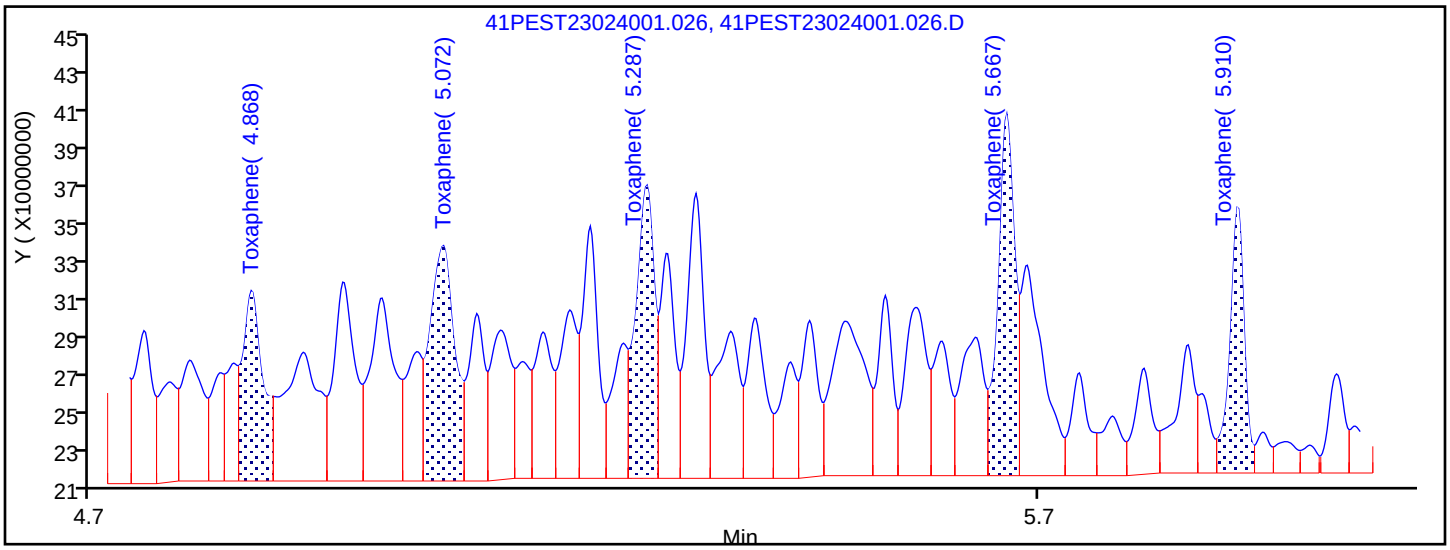
Column: Phenomenex MR2 (0.00 mm) Detector 1AECDA

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.072	Response = 107639686
5.287	Response = 137288238
5.667	Response = 171524197
5.910	Response = 122748577
4.868	Response = 85802283



Manual Integration Results

5.072	Response = 119246516	M
5.287	Response = 149140967	M
5.667	Response = 183811539	M
5.910	Response = 135314222	M
4.868	Response = 97176557	M

Reviewer: JC94, 25-Jan-2023 13:18:16

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.027.D
Lims ID: ic t3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Jan-2023 05:43:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:25 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 13:16:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.072	5.073	-0.001	210519625H	200.0	189.9	M
1	5.287	5.288	-0.001	287683881H	200.0	191.7	M
1	5.667	5.668	-0.001	352788255H	200.0	187.2	M
1	5.910	5.912	-0.002	263909198H	200.0	180.7	M
1	4.868	4.870	-0.002	167151804H	200.0	191.9	M
		Average of Peak Amounts =				188.3	
2	5.557	5.557	0.000	194610614H	200.0	196.1	M
2	5.732	5.733	-0.001	272135023H	200.0	191.9	M
2	5.868	5.870	-0.002	220527384H	200.0	189.0	M
2	6.113	6.115	-0.002	237898256H	200.0	193.6	M
2	6.367	6.368	-0.001	170614919H	200.0	185.2	M
		Average of Peak Amounts =				191.2	
						RPD = 1.50	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOX3_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:26 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.027.D

Injection Date: 25-Jan-2023 05:43:00 Instrument ID: 9147

Lims ID: ic t3

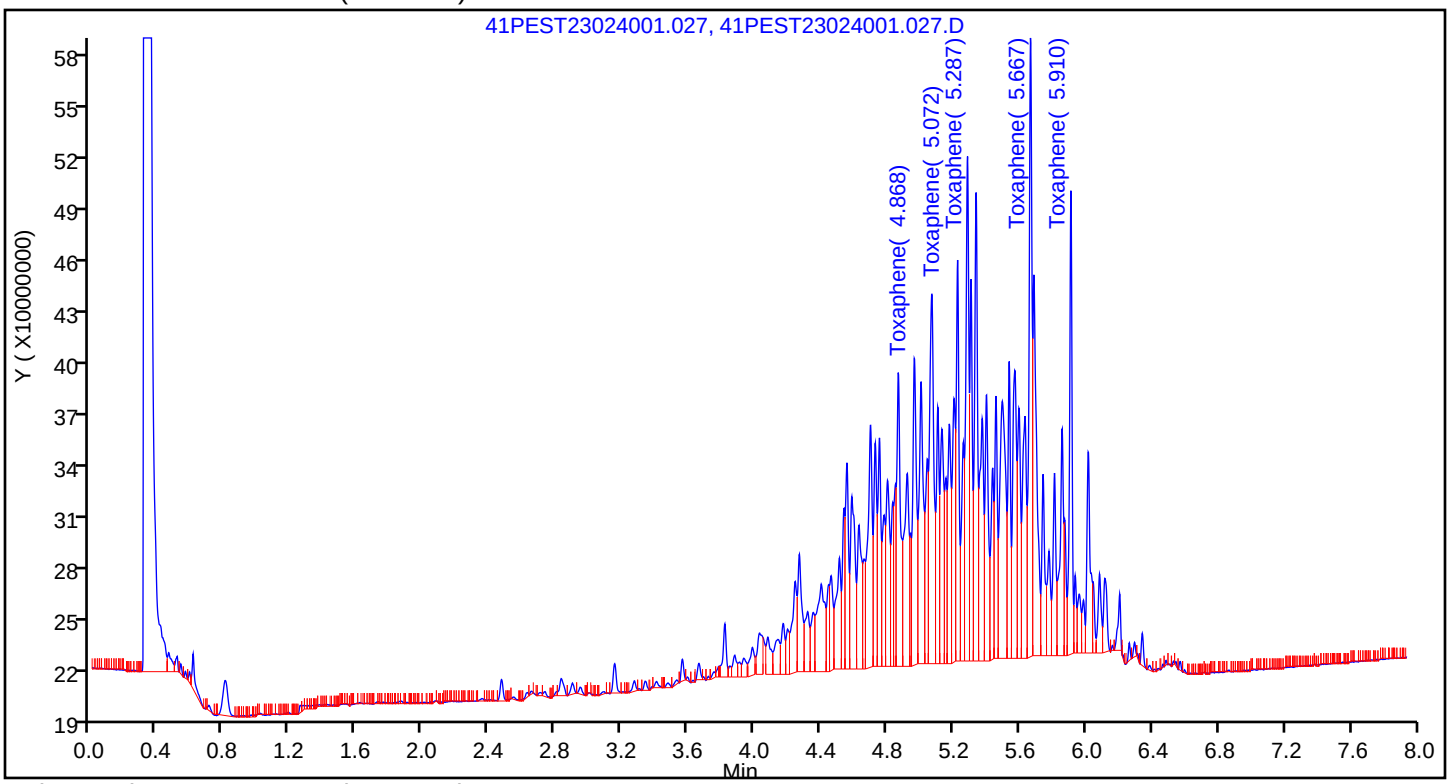
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

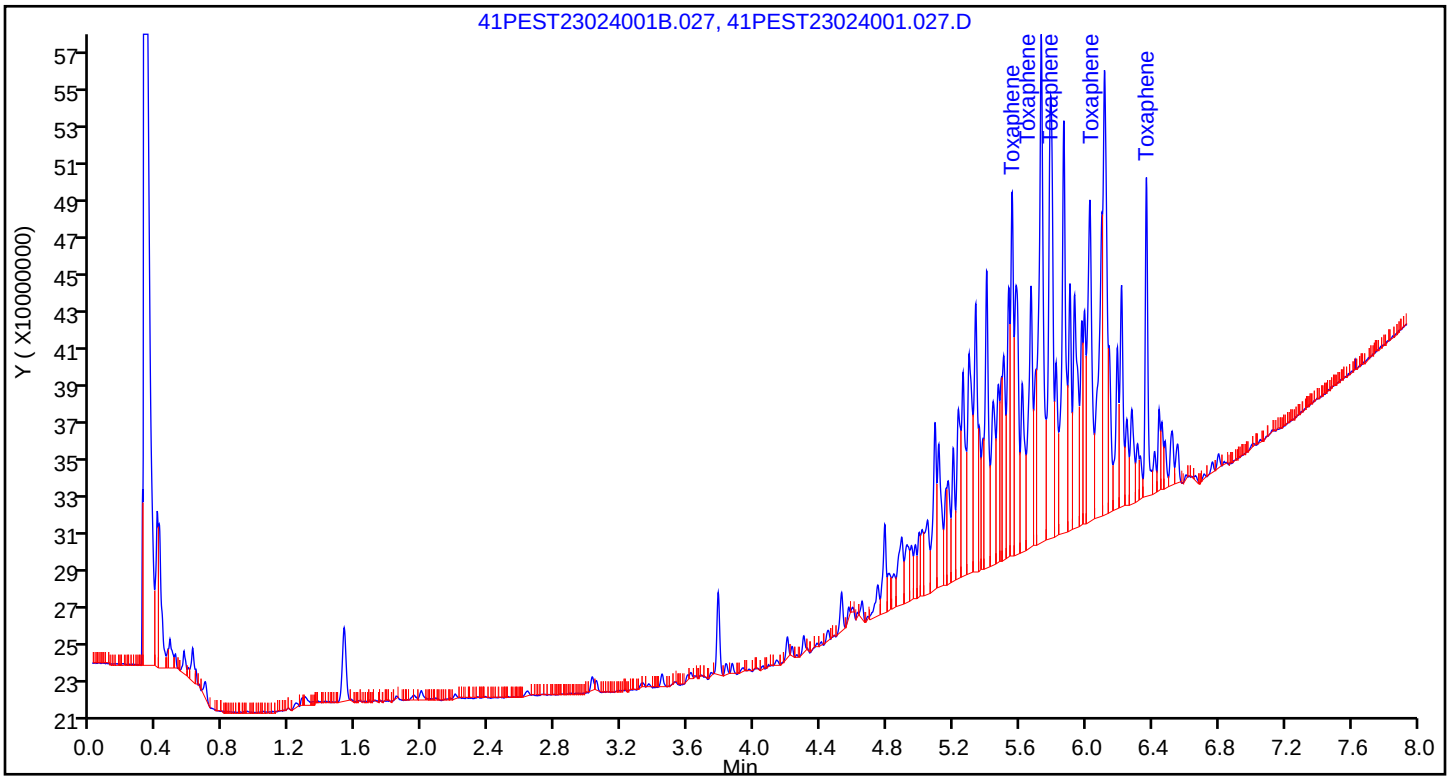
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Report Date: 25-Jan-2023 13:27:26 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.027.D

Injection Date: 25-Jan-2023 05:43:00 Instrument ID: 9147

Lims ID: ic t3

Client ID:

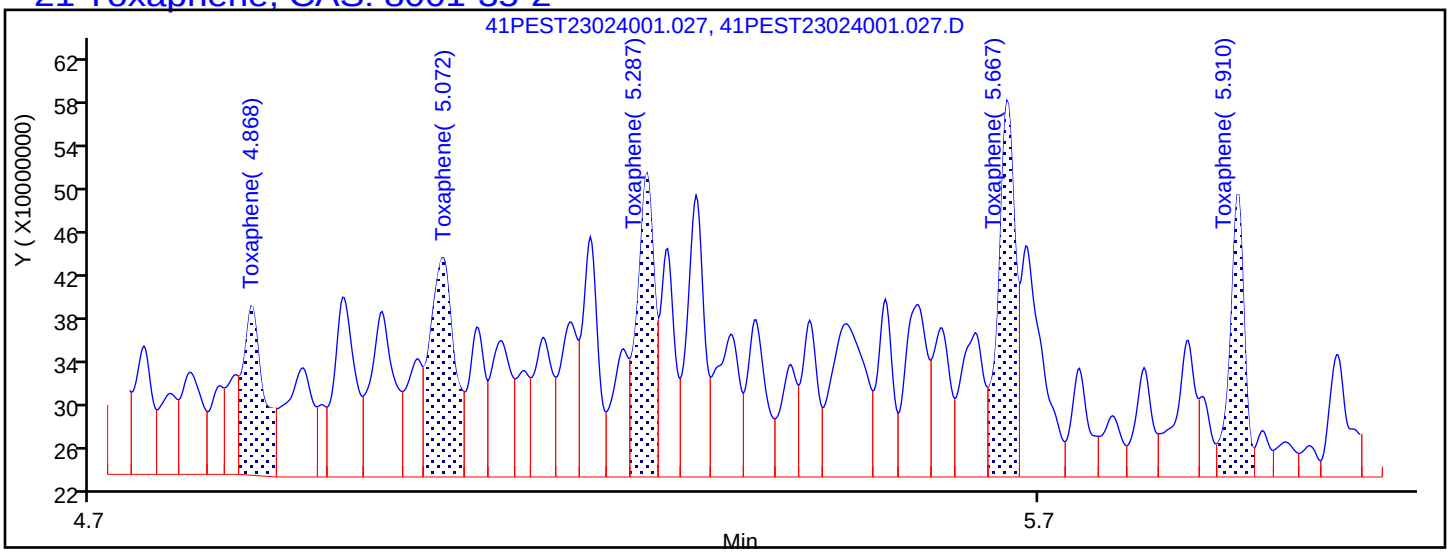
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

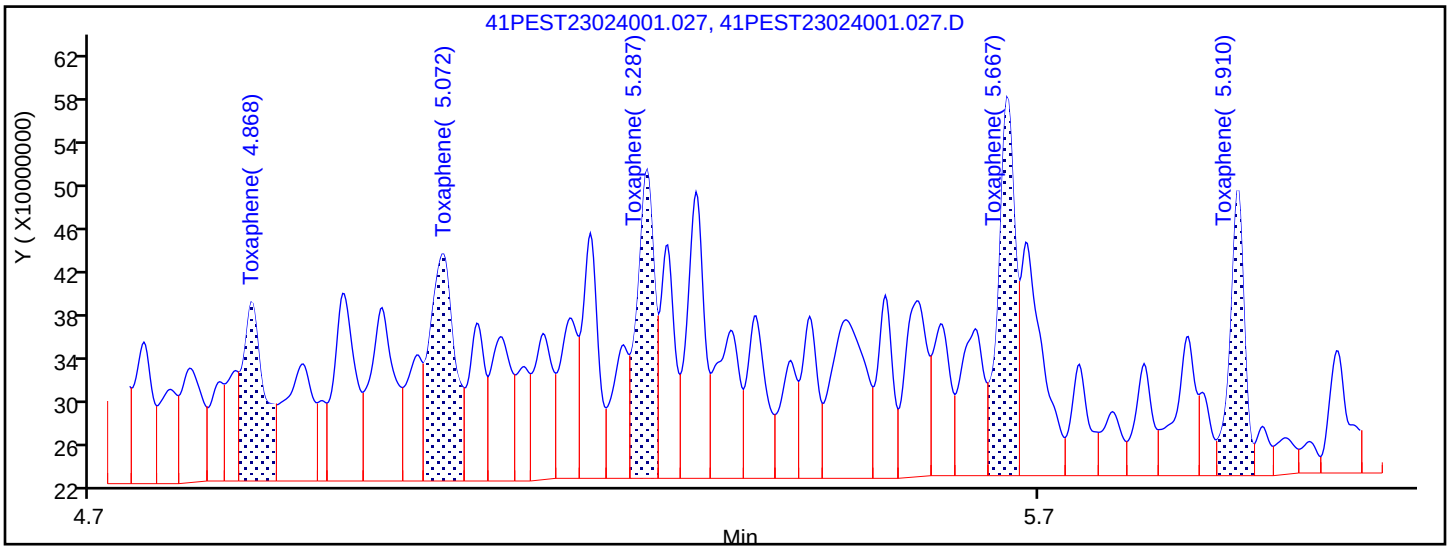
Column: Phenomenex MR2 (0.00 mm) Detector 1AECDA

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.072	Response = 202588770
5.287	Response = 281558362
5.667	Response = 349853563
5.910	Response = 263017757
4.868	Response = 157513575



Manual Integration Results

5.072	Response = 210519625	M
5.287	Response = 287683881	M
5.667	Response = 352788255	M
5.910	Response = 263909198	M
4.868	Response = 167151804	M

Reviewer: JC94, 25-Jan-2023 13:17:20

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.028.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 25-Jan-2023 05:58:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt t4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:32 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: UAMZ Date: 25-Jan-2023 11:22:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.073	5.073	0.000	529187103H	500.0	477.4	
1	5.288	5.288	0.000	720731162H	500.0	480.3	
1	5.668	5.668	0.000	927572795H	500.0	492.2	
1	5.912	5.912	0.000	741685682H	500.0	507.9	
1	4.870	4.870	0.000	403710855H	500.0	463.5	
		Average of Peak Amounts =				484.3	
2	5.557	5.557	0.000	520091839H	500.0	524.2	
2	5.733	5.733	0.000	735296126H	500.0	518.4	
2	5.870	5.870	0.000	620042668H	500.0	531.5	
2	6.115	6.115	0.000	637967852H	500.0	519.1	
2	6.368	6.368	0.000	486258752H	500.0	527.8	
		Average of Peak Amounts =				524.2	
						RPD = 7.91	

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:33 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.028.D

Injection Date: 25-Jan-2023 05:58:00 Instrument ID: 9147

Lims ID: icrt

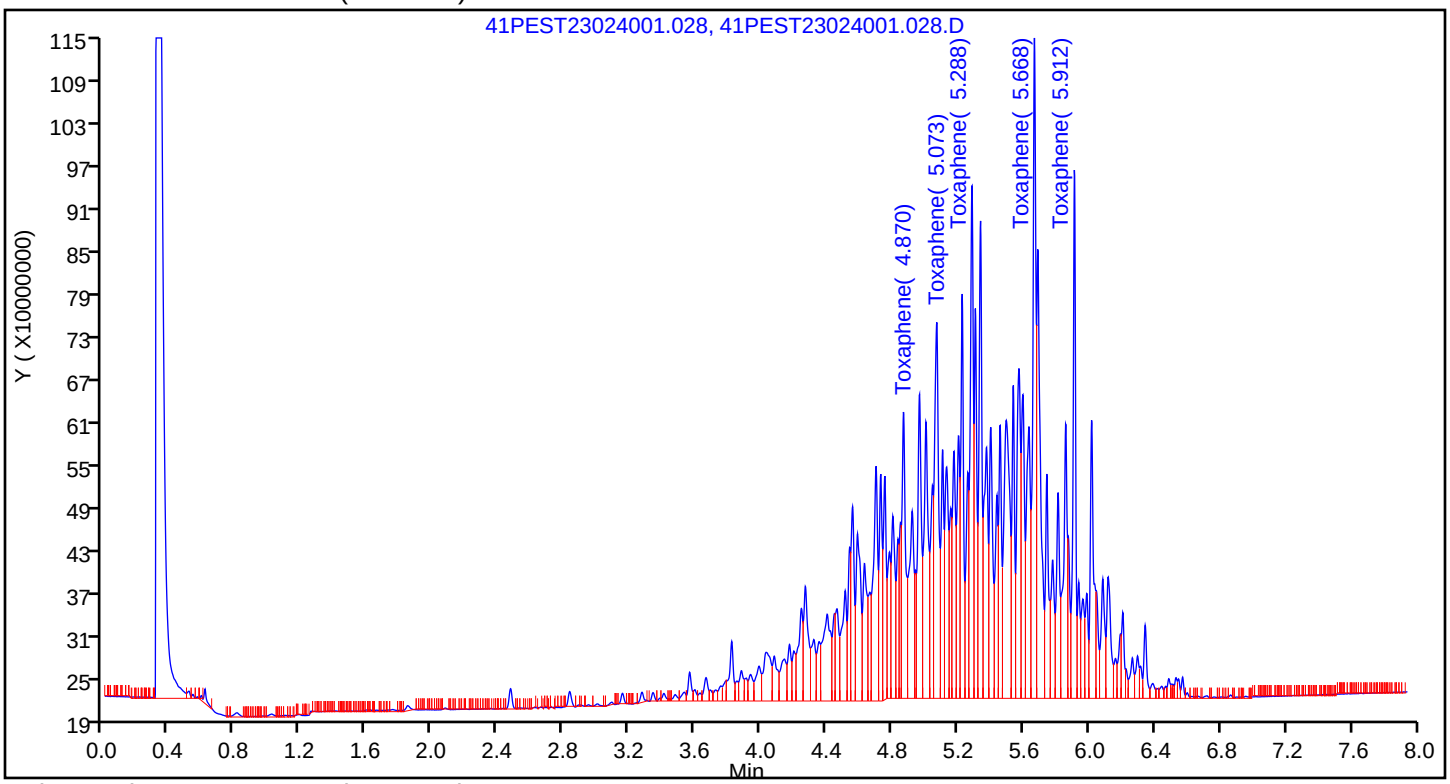
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

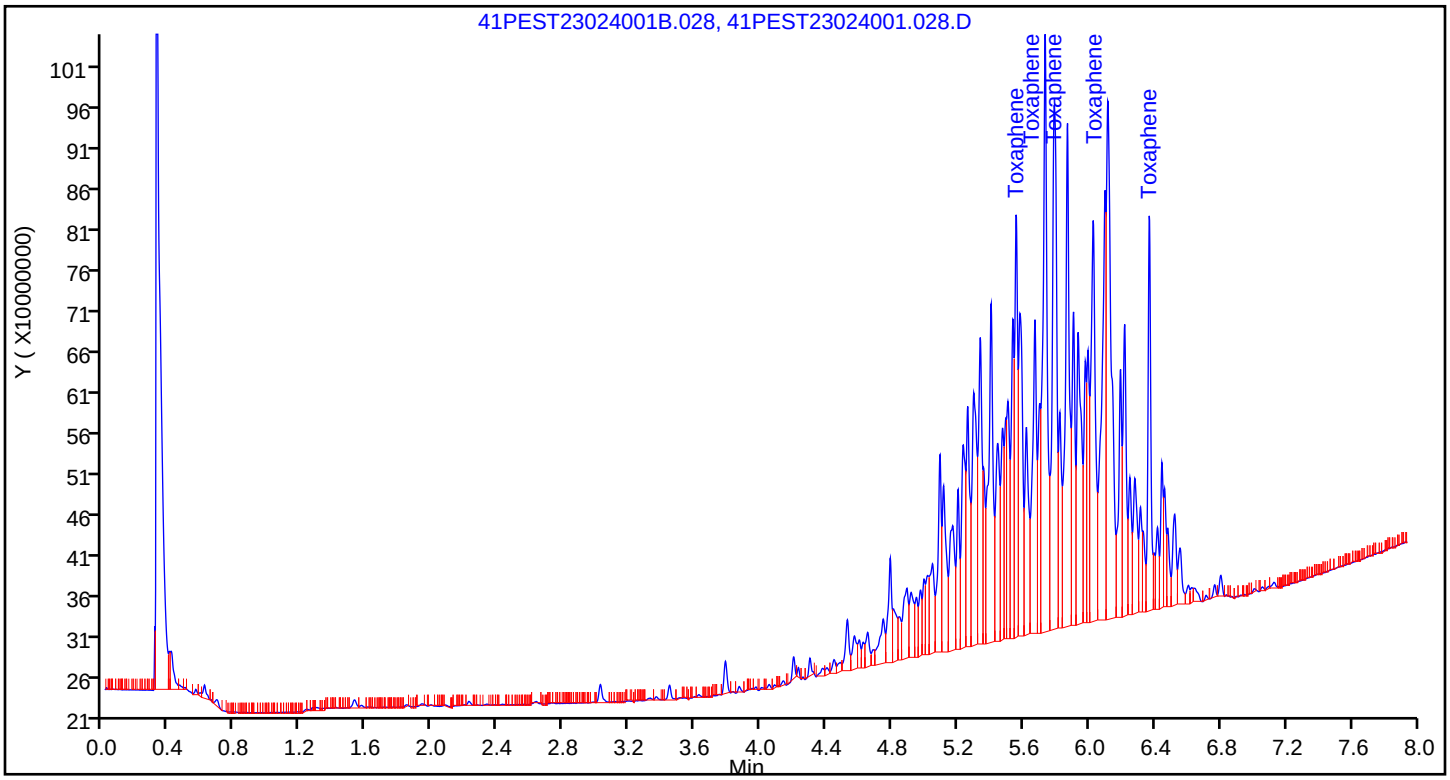
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.029.D
Lims ID: ic t5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Jan-2023 06:13:00 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:38 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 13:01:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.073	5.073	0.000	1022441180H	1000.0	922.4	
1	5.288	5.288	0.000	1497290365H	1000.0	997.9	
1	5.668	5.668	0.000	1890751447H	1000.0	1003.4	
1	5.913	5.912	0.001	1592059078H	1000.0	1090.3	
1	4.870	4.870	0.000	805605288H	1000.0	924.9	
		Average of Peak Amounts =				987.8	
2	5.558	5.557	0.001	1077003201H	1000.0	1085.5	
2	5.733	5.733	0.000	1519703026H	1000.0	1071.4	
2	5.870	5.870	0.000	1304727058H	1000.0	1118.3	
2	6.115	6.115	0.000	1373984114H	1000.0	1118.0	
2	6.368	6.368	0.000	1059029113H	1000.0	1149.5	
		Average of Peak Amounts =				1108.5	
						RPD = 11.52	

Reagents:

GCS_TOX5_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:39 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.029.D

Injection Date: 25-Jan-2023 06:13:00 Instrument ID: 9147

Lims ID: ic t5

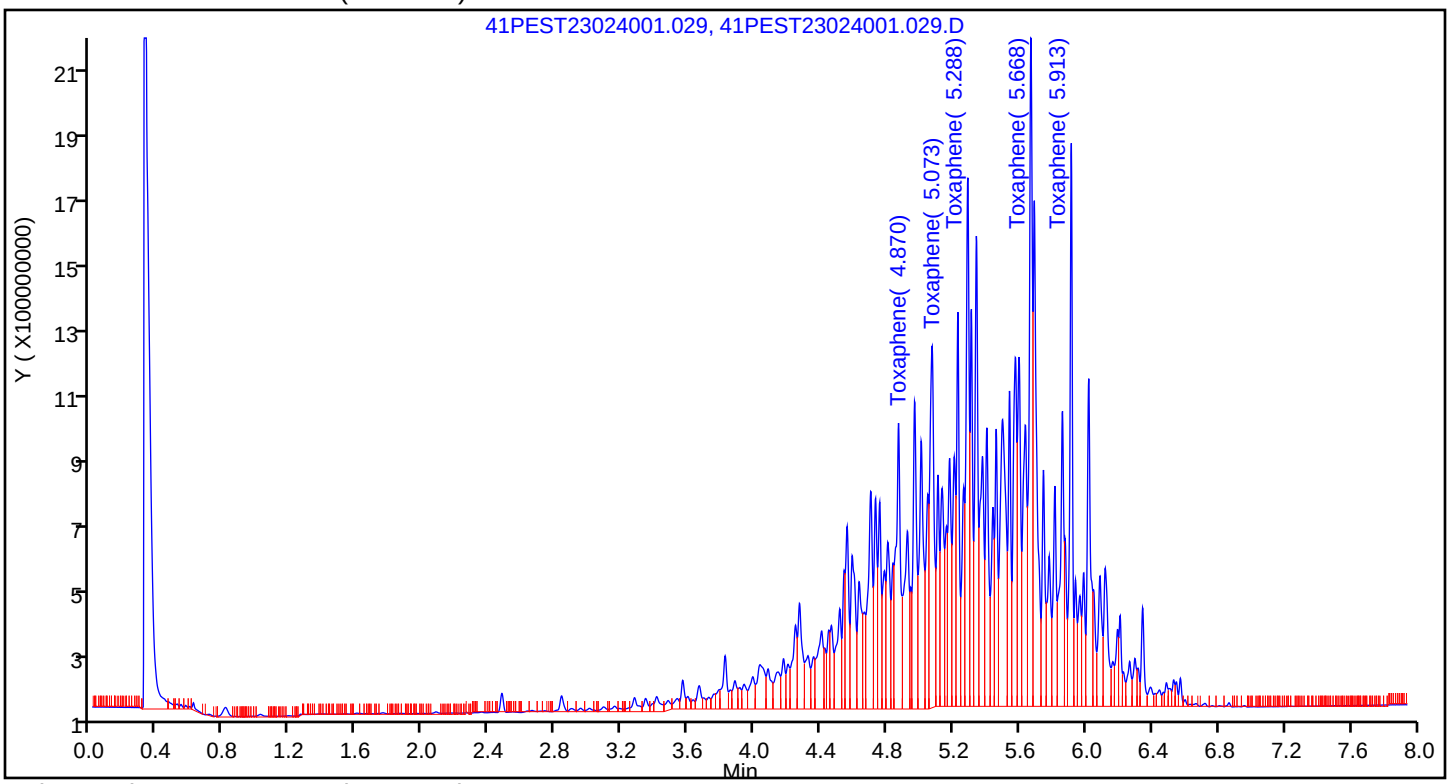
Client ID:

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

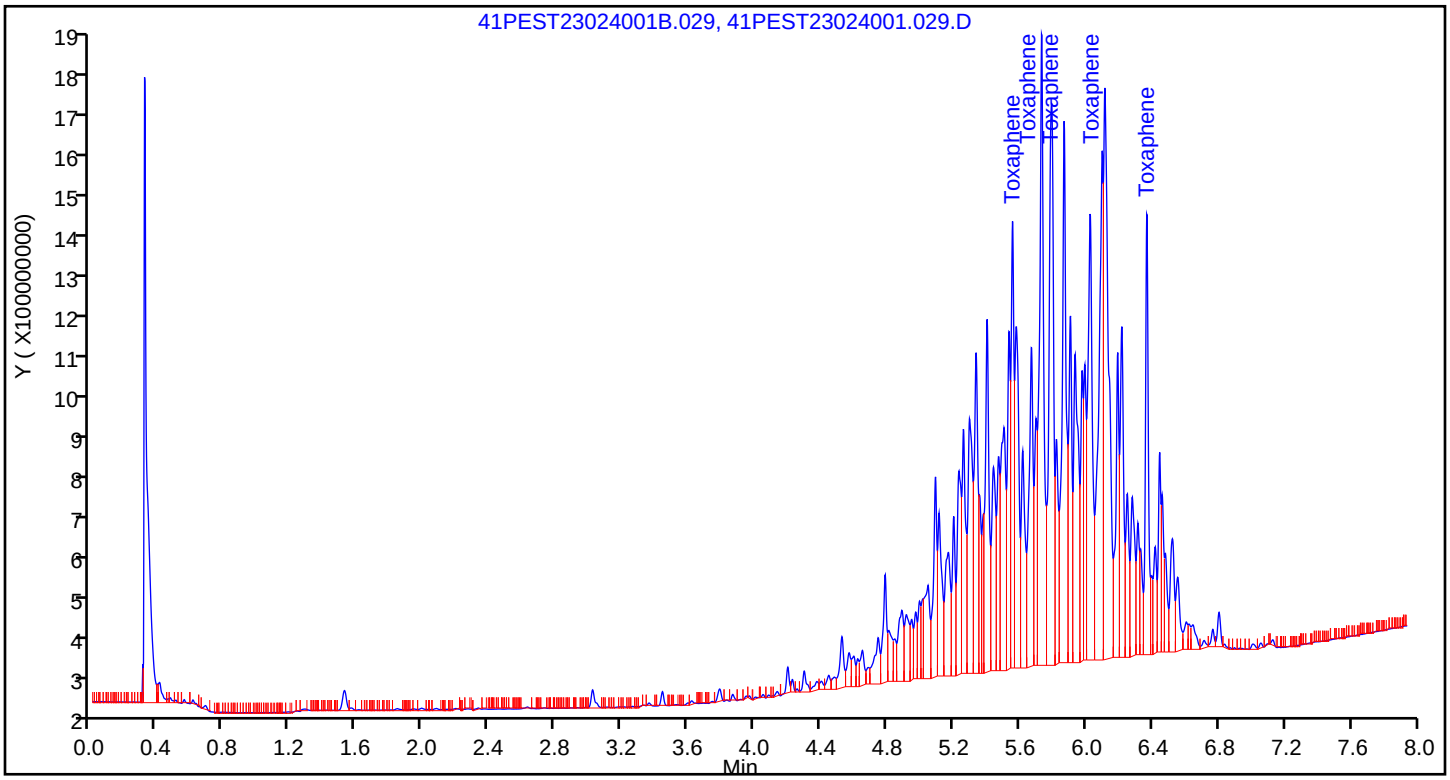
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.030.D
Lims ID: ic t6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Jan-2023 06:28:00 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:44 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 13:07:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.072	5.073	-0.001	2094846233H	2000.0	1889.8	
1	5.288	5.288	0.000	3162668728H	2000.0	2107.7	
1	5.670	5.668	0.002	4091711732H	2000.0	2171.4	
1	5.912	5.912	0.000	3351477737H	2000.0	2295.3	
1	4.870	4.870	0.000	1574843818H	2000.0	1808.1	
		Average of Peak Amounts =				2054.5	
2	5.560	5.557	0.003	2285770244H	2000.0	2303.7	
2	5.737	5.733	0.004	3340791244H	2000.0	2355.2	
2	5.872	5.870	0.002	2859769707H	2000.0	2451.2	
2	6.102	6.115	-0.013	2907035986H	2000.0	2365.3	
2	6.372	6.368	0.004	2352243911H	2000.0	2553.2	
		Average of Peak Amounts =				2405.8	
						RPD = 15.75	

Reagents:

GCS_TOX6_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:45 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.030.D

Injection Date: 25-Jan-2023 06:28:00 Instrument ID: 9147

Lims ID: ic t6

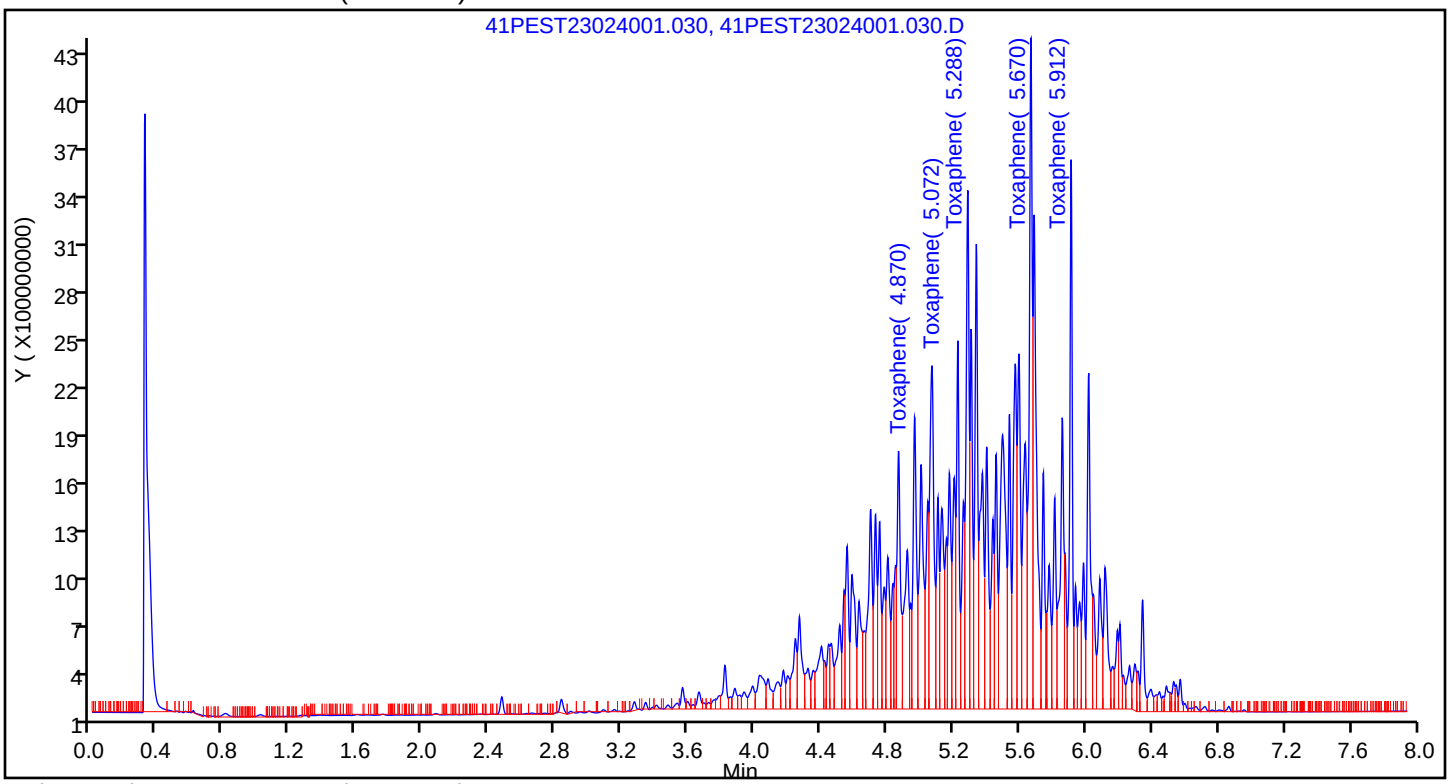
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 30

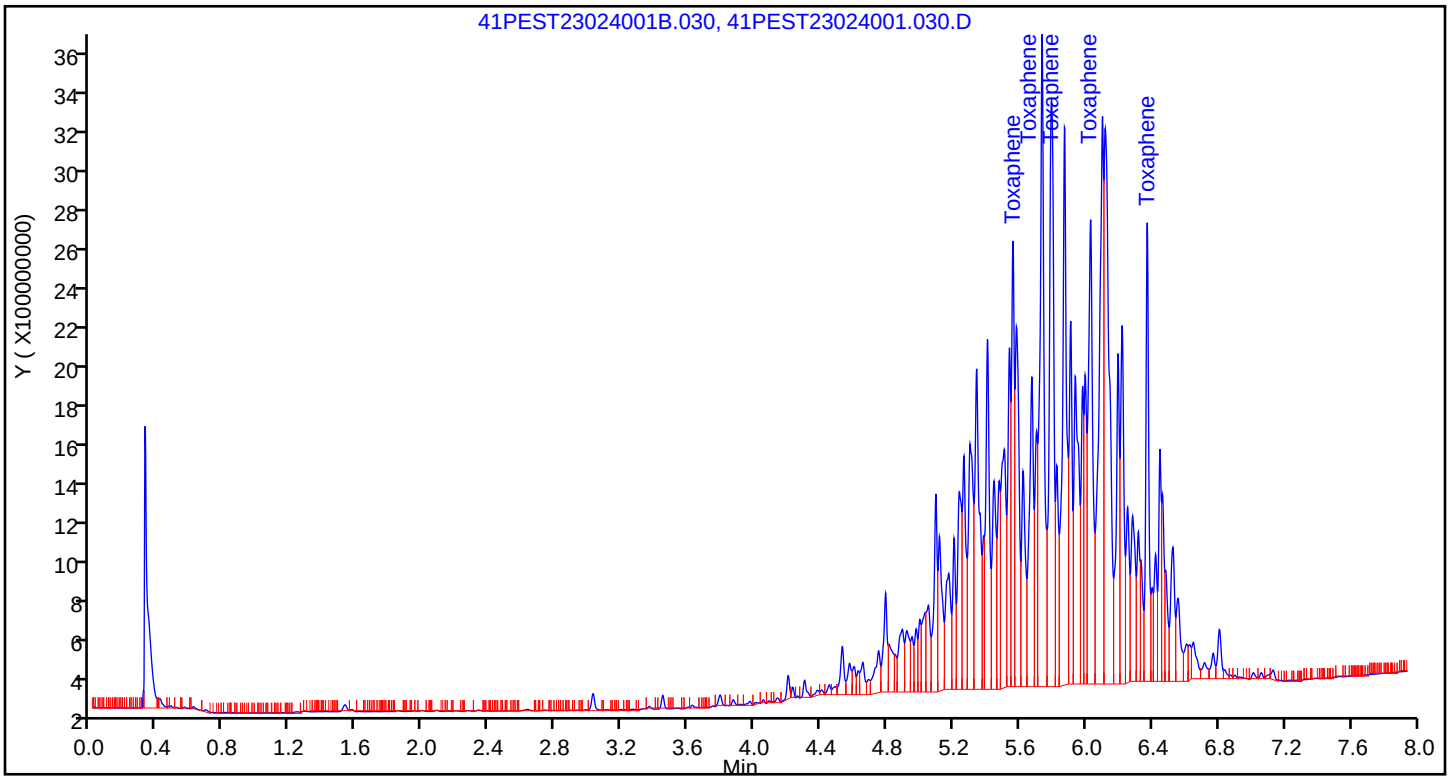
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Calibration / Toxaphene Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

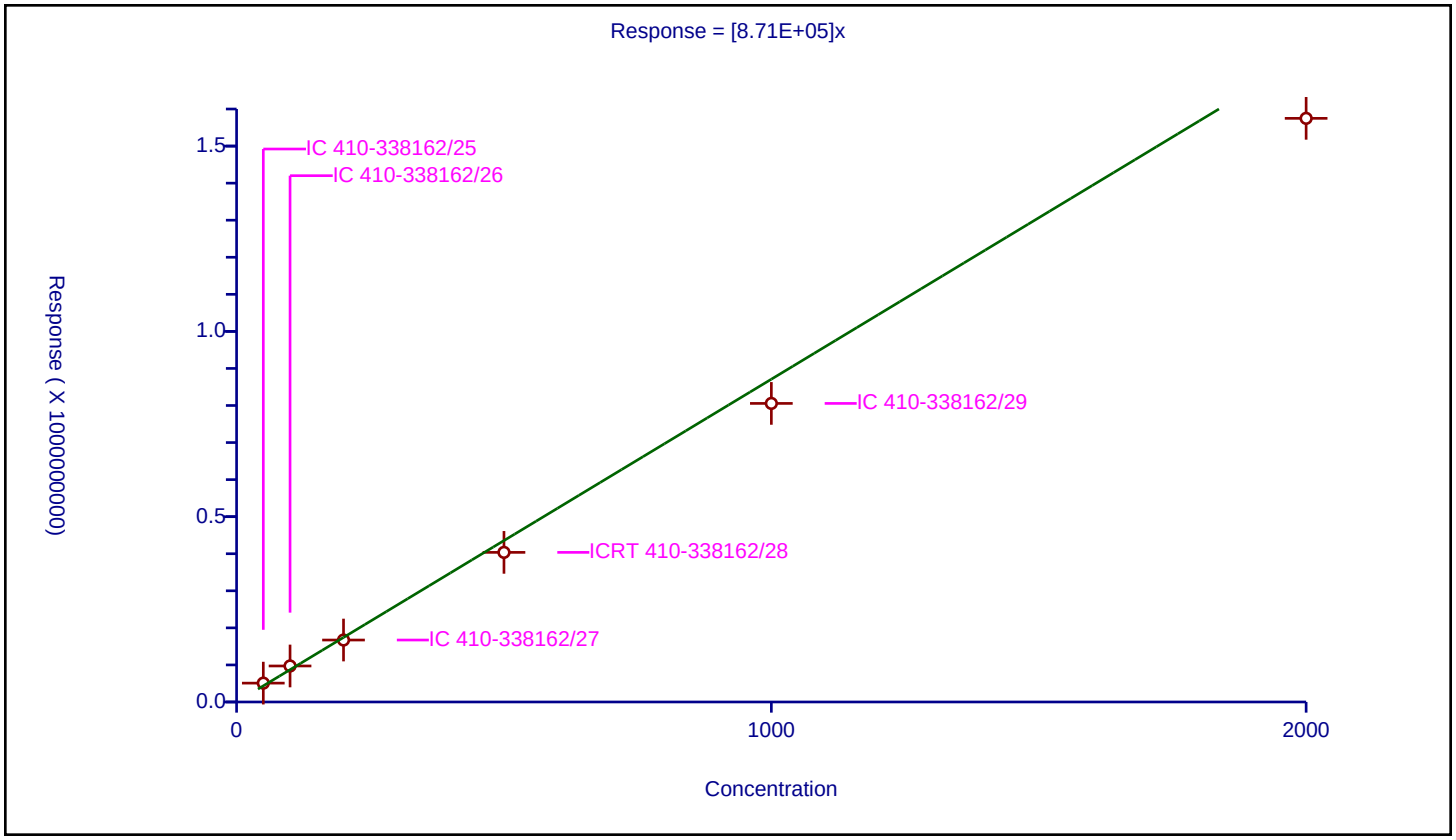
Curve Coefficients

Intercept:	0
Slope:	8.71E+05

Error Coefficients

Standard Error:	81800000
Relative Standard Error:	11.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/25	50.0	50894876.0			1017897.52	Y
2	IC 410-338162/26	100.0	97176557.0			971765.57	Y
3	IC 410-338162/27	200.0	167151804.0			835759.02	Y
4	ICRT 410-338162/28	500.0	403710855.0			807421.71	Y
5	IC 410-338162/29	1000.0	805605288.0			805605.288	Y
6	IC 410-338162/30	2000.0	1574843818.0			787421.909	Y



Calibration / Toxaphene Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

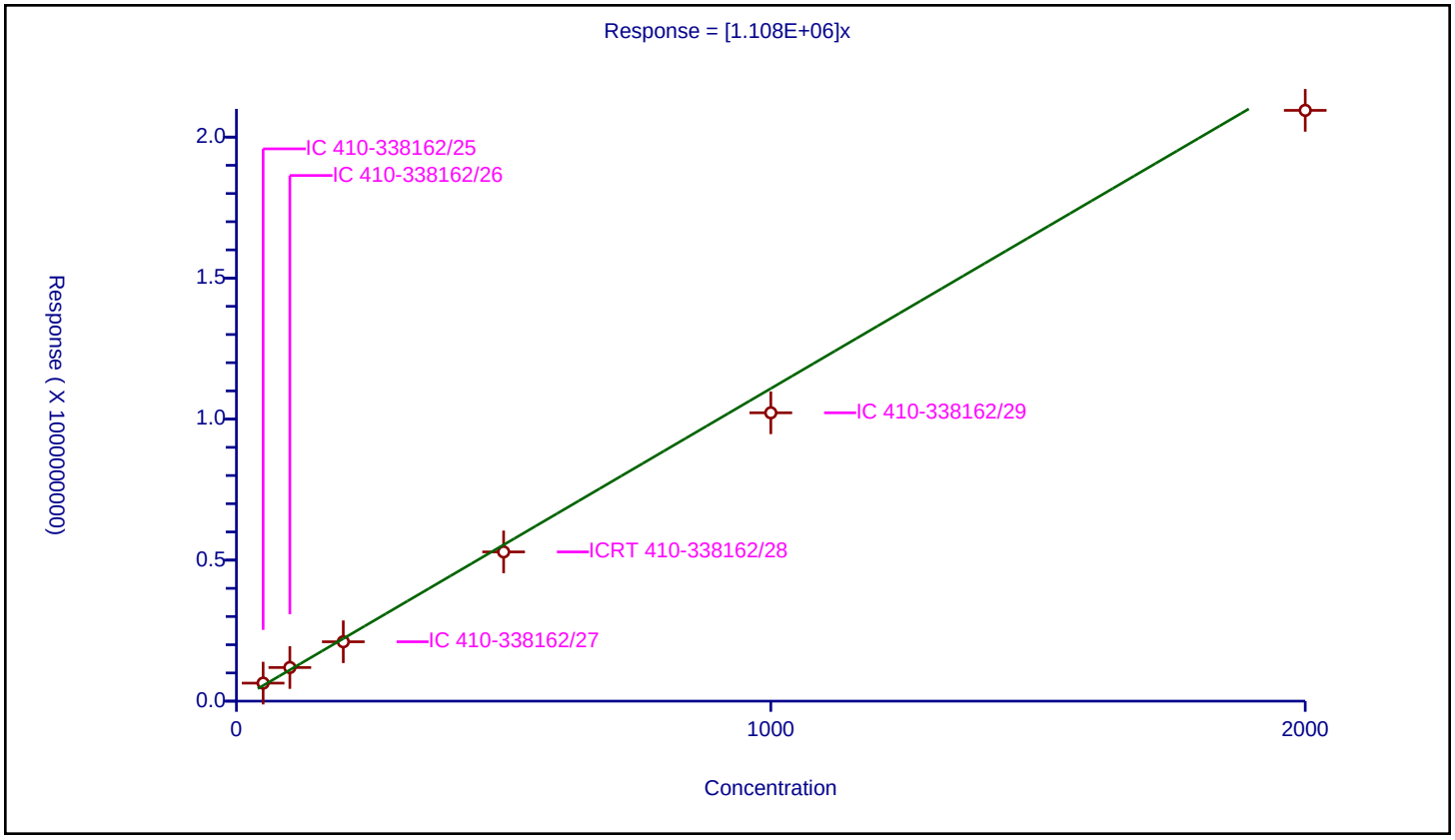
Curve Coefficients

Intercept:	0
Slope:	1.108E+06

Error Coefficients

Standard Error:	68100000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/25	50.0	63880560.0			1277611.2	Y
2	IC 410-338162/26	100.0	119246516.0			1192465.16	Y
3	IC 410-338162/27	200.0	210519625.0			1052598.125	Y
4	ICRT 410-338162/28	500.0	529187103.0			1058374.206	Y
5	IC 410-338162/29	1000.0	1022441180.0			1022441.18	Y
6	IC 410-338162/30	2000.0	2094846233.0			1047423.1165	Y



Calibration / Toxaphene Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

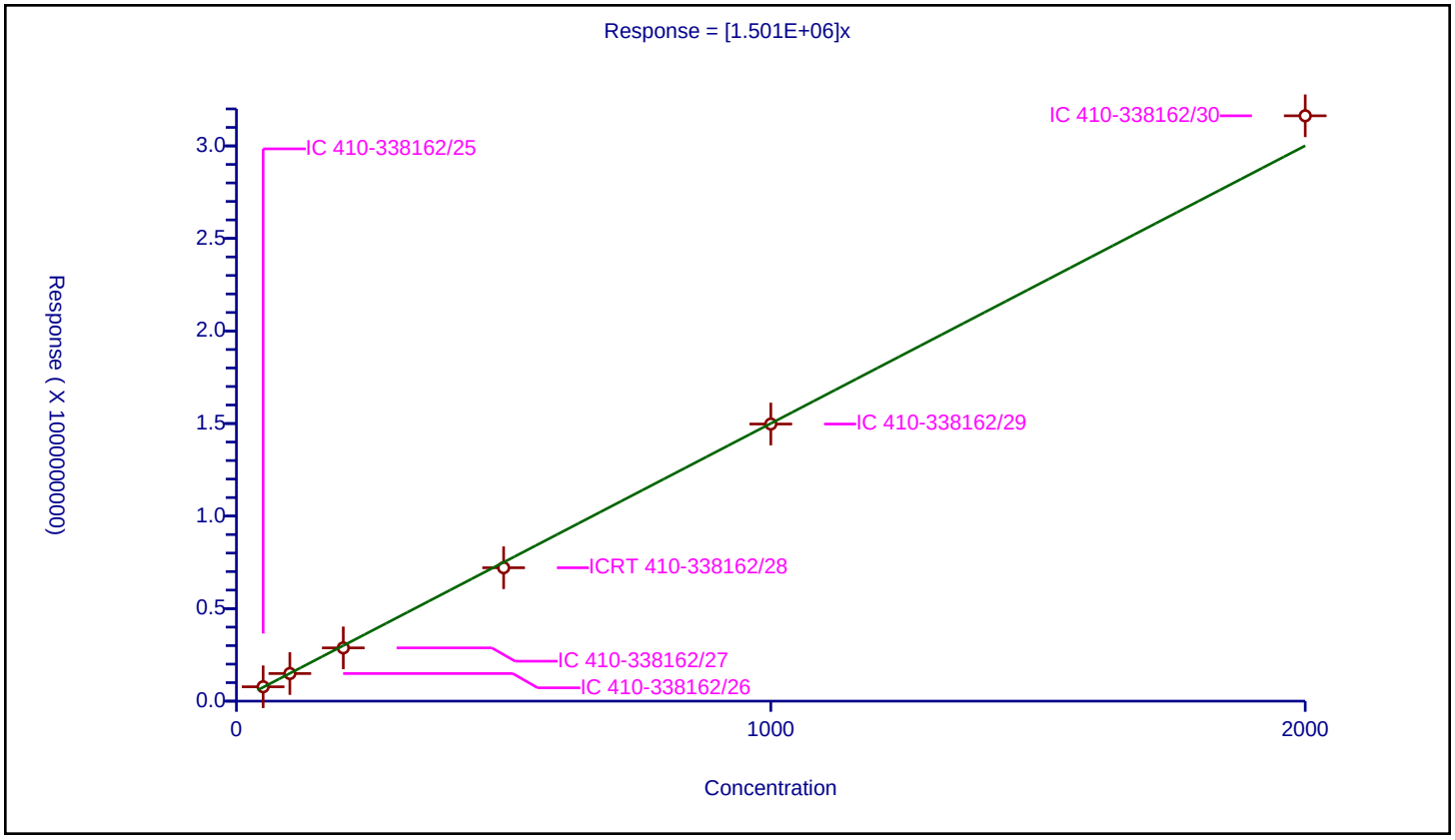
Curve Coefficients

Intercept:	0
Slope:	1.501E+06

Error Coefficients

Standard Error:	73700000
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 410-338162/25	50.0	77659052.0			1553181.04	Y
2	IC 410-338162/26	100.0	149140967.0			1491409.67	Y
3	IC 410-338162/27	200.0	287683881.0			1438419.405	Y
4	ICRT 410-338162/28	500.0	720731162.0			1441462.324	Y
5	IC 410-338162/29	1000.0	1497290365.0			1497290.365	Y
6	IC 410-338162/30	2000.0	3162668728.0			1581334.364	Y



Calibration / Toxaphene Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

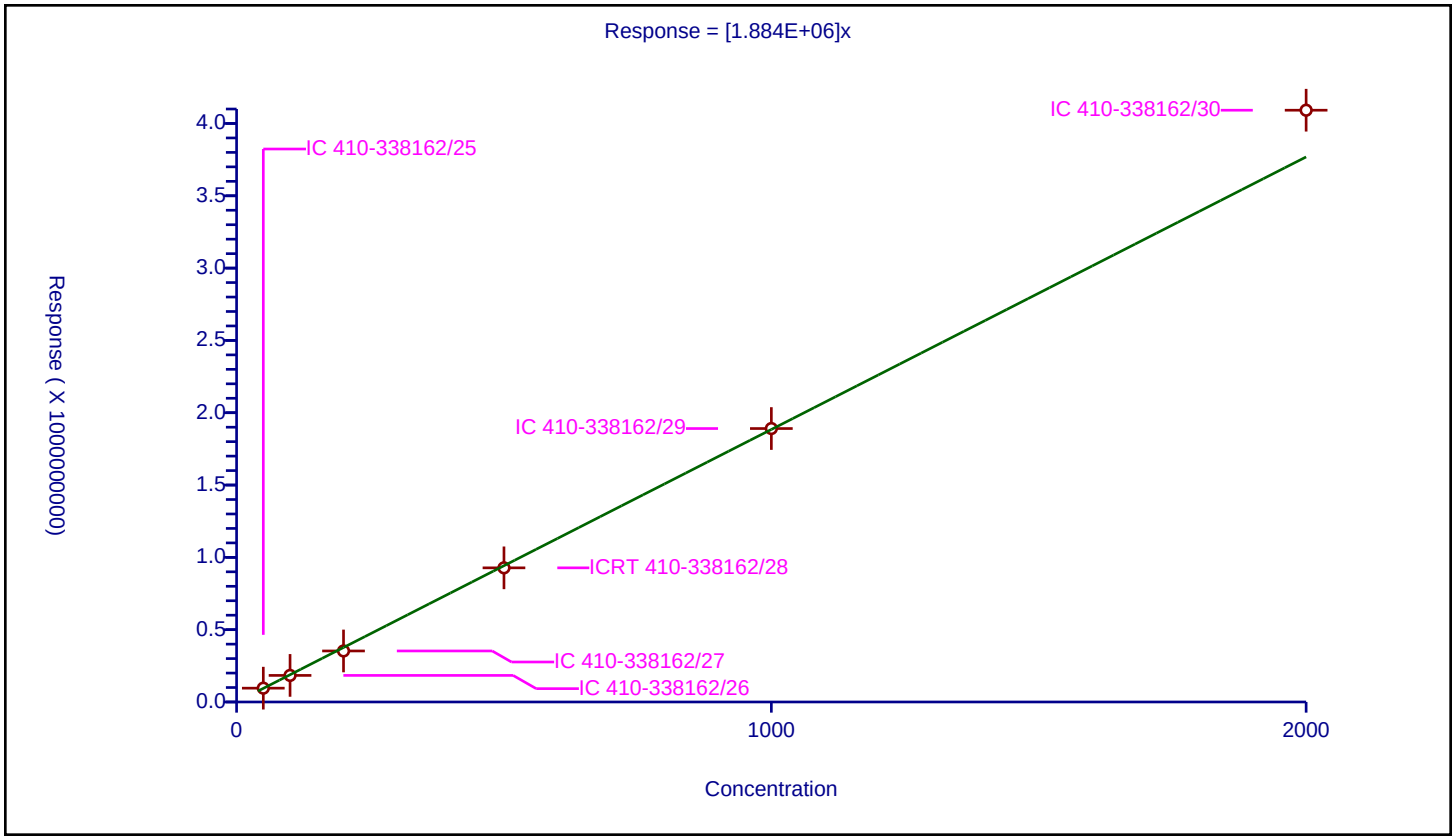
Curve Coefficients

Intercept:	0
Slope:	1.884E+06

Error Coefficients

Standard Error:	145000000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/25	50.0	95618611.0			1912372.22	Y
2	IC 410-338162/26	100.0	183811539.0			1838115.39	Y
3	IC 410-338162/27	200.0	352788255.0			1763941.275	Y
4	ICRT 410-338162/28	500.0	927572795.0			1855145.59	Y
5	IC 410-338162/29	1000.0	1890751447.0			1890751.447	Y
6	IC 410-338162/30	2000.0	4091711732.0			2045855.866	Y



Calibration / Toxaphene Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

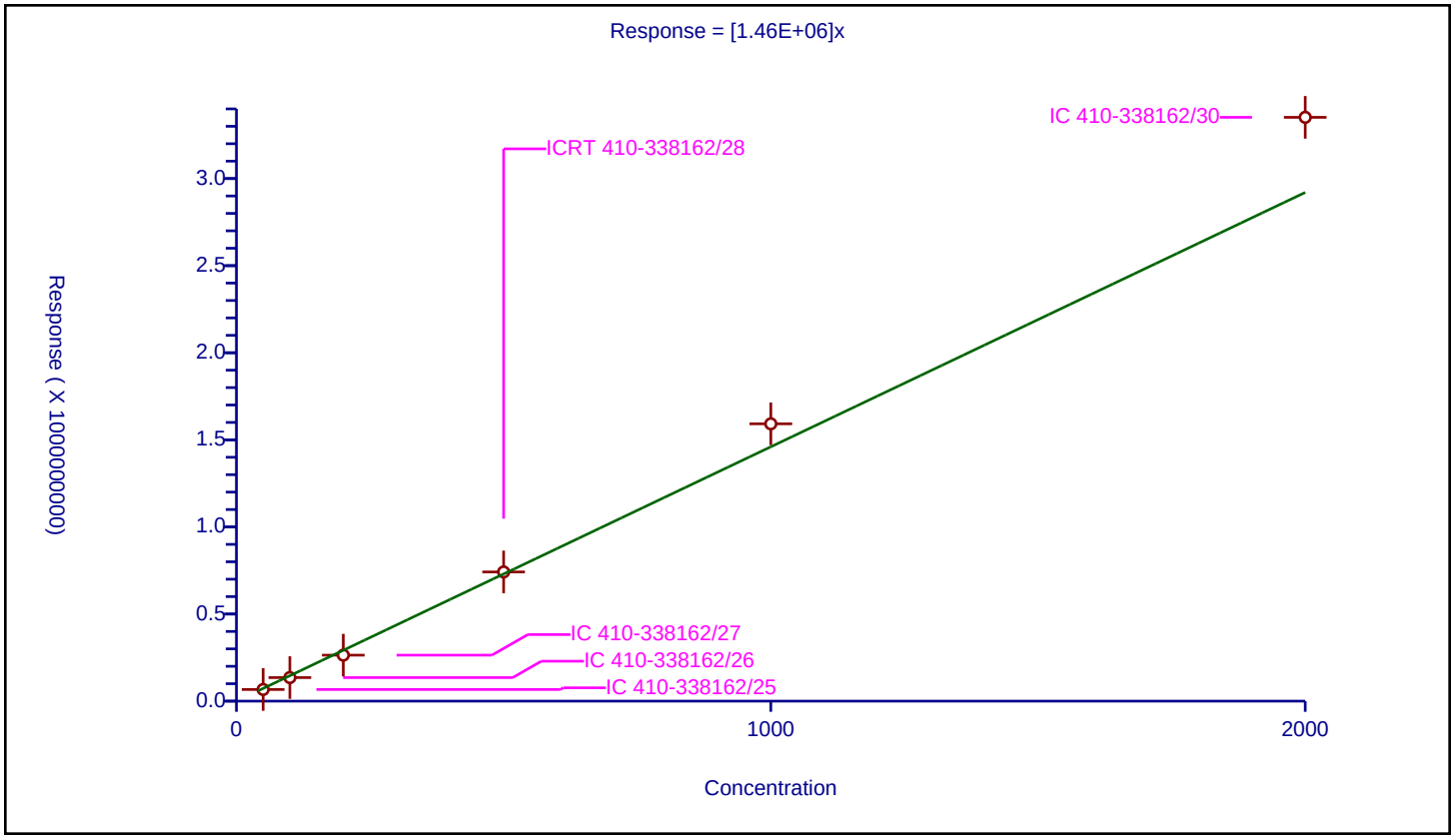
Curve Coefficients

Intercept:	0
Slope:	1.46E+06

Error Coefficients

Standard Error:	202000000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/25	50.0	66856693.0			1337133.86	Y
2	IC 410-338162/26	100.0	135314222.0			1353142.22	Y
3	IC 410-338162/27	200.0	263909198.0			1319545.99	Y
4	ICRT 410-338162/28	500.0	741685682.0			1483371.364	Y
5	IC 410-338162/29	1000.0	1592059078.0			1592059.078	Y
6	IC 410-338162/30	2000.0	3351477737.0			1675738.8685	Y



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 05:14 Calibration End Date: 01/25/2023 06:28 Calibration ID: 46663

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/25	41PEST23024001.025.D
Level 2	IC 410-338162/26	41PEST23024001.026.D
Level 3	IC 410-338162/27	41PEST23024001.027.D
Level 4	ICRT 410-338162/28	41PEST23024001.028.D
Level 5	IC 410-338162/29	41PEST23024001.029.D
Level 6	IC 410-338162/30	41PEST23024001.030.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	5.538	5.560	5.557	5.557	5.558	5.560					5.527 - 5.587	5.555
Toxaphene Peak 2	5.737	5.735	5.732	5.733	5.733	5.737					5.703 - 5.763	5.735
Toxaphene Peak 3	5.872	5.872	5.868	5.870	5.870	5.872					5.840 - 5.900	5.871
Toxaphene Peak 4	6.118	6.118	6.113	6.115	6.115	6.102					6.085 - 6.145	6.114
Toxaphene Peak 5	6.370	6.370	6.367	6.368	6.368	6.372					6.338 - 6.398	6.369

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 05:14 Calibration End Date: 01/25/2023 06:28 Calibration ID: 46663

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/25	41PEST23024001.025.D
Level 2	IC 410-338162/26	41PEST23024001.026.D
Level 3	IC 410-338162/27	41PEST23024001.027.D
Level 4	ICRT 410-338162/28	41PEST23024001.028.D
Level 5	IC 410-338162/29	41PEST23024001.029.D
Level 6	IC 410-338162/30	41PEST23024001.030.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	789449 1077003	930631 1142885	973053	1040184	Ave		992200.947				12.5		20.0			
Toxaphene Peak 2	1196884 1519703	1292449 1670396	1360675	1470592	Ave		1418449.90				12.0		20.0			
Toxaphene Peak 3	915710 1304727	1006943 1429885	1102637	1240085	Ave		1166664.40				16.5		20.0			
Toxaphene Peak 4	999083 1373984	1082043 1453518	1189491	1275936	Ave		1229009.20				14.1		20.0			
Toxaphene Peak 5	725487 1059029	741436 1176122	853075	972518	Ave		921277.713				19.5		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 338162

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 01/25/2023 05:14 Calibration End Date: 01/25/2023 06:28 Calibration ID: 46663

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-338162/25	41PEST23024001.025.D
Level 2	IC 410-338162/26	41PEST23024001.026.D
Level 3	IC 410-338162/27	41PEST23024001.027.D
Level 4	ICRT 410-338162/28	41PEST23024001.028.D
Level 5	IC 410-338162/29	41PEST23024001.029.D
Level 6	IC 410-338162/30	41PEST23024001.030.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	39472468 2285770244	93063125	194610614	520091839	1077003201	50.0 2000	100	200	500	1000
Toxaphene Peak 2	Ave	59844216 3340791244	129244907	272135023	735296126	1519703026	50.0 2000	100	200	500	1000
Toxaphene Peak 3	Ave	45785477 2859769707	100694268	220527384	620042668	1304727058	50.0 2000	100	200	500	1000
Toxaphene Peak 4	Ave	49954169 2907035986	108204272	237898256	637967852	1373984114	50.0 2000	100	200	500	1000
Toxaphene Peak 5	Ave	36274333 2352243911	74143645	170614919	486258752	1059029113	50.0 2000	100	200	500	1000

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.025.D
Lims ID: ic tox1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 25-Jan-2023 05:14:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:11 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 12:53:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.072	5.073	-0.001	63880560H	50.0	57.6	M
1	5.288	5.288	0.000	77659052H	50.0	51.8	M
1	5.667	5.668	-0.001	95618611H	50.0	50.7	M
1	5.912	5.912	0.000	66856693H	50.0	45.8	M
1	4.868	4.870	-0.002	50894876H	50.0	58.4	M
		Average of Peak Amounts =				52.9	
2	5.538	5.557	-0.019	39472468H	50.0	39.8	M
2	5.737	5.733	0.004	59844216H	50.0	42.2	M
2	5.872	5.870	0.002	45785477H	50.0	39.2	M
2	6.118	6.115	0.003	49954169H	50.0	40.6	M
2	6.370	6.368	0.002	36274333H	50.0	39.4	M
		Average of Peak Amounts =				40.2	
						RPD = 27.11	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOX1_00010 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:14 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.025.D

Injection Date: 25-Jan-2023 05:14:00 Instrument ID: 9147

Lims ID: ic tox1

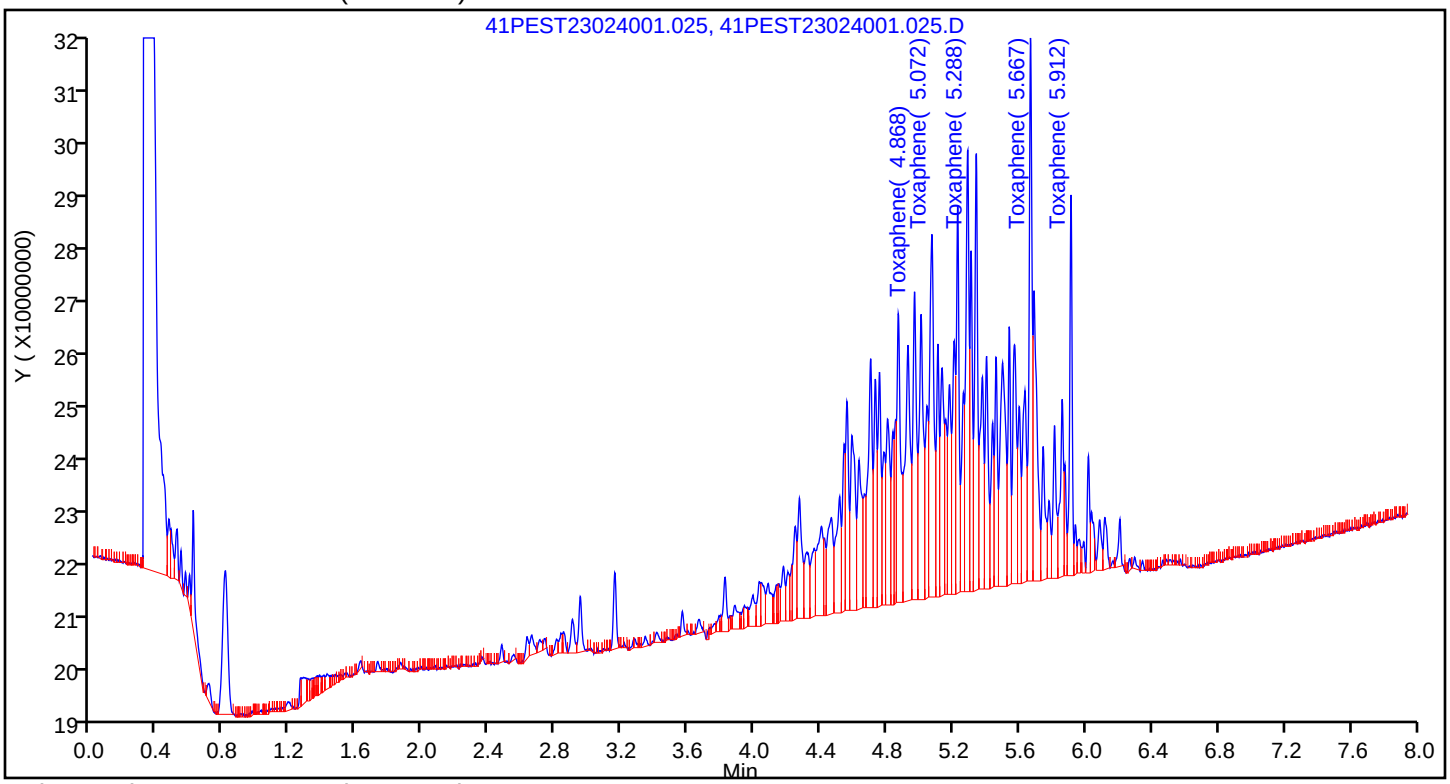
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 25

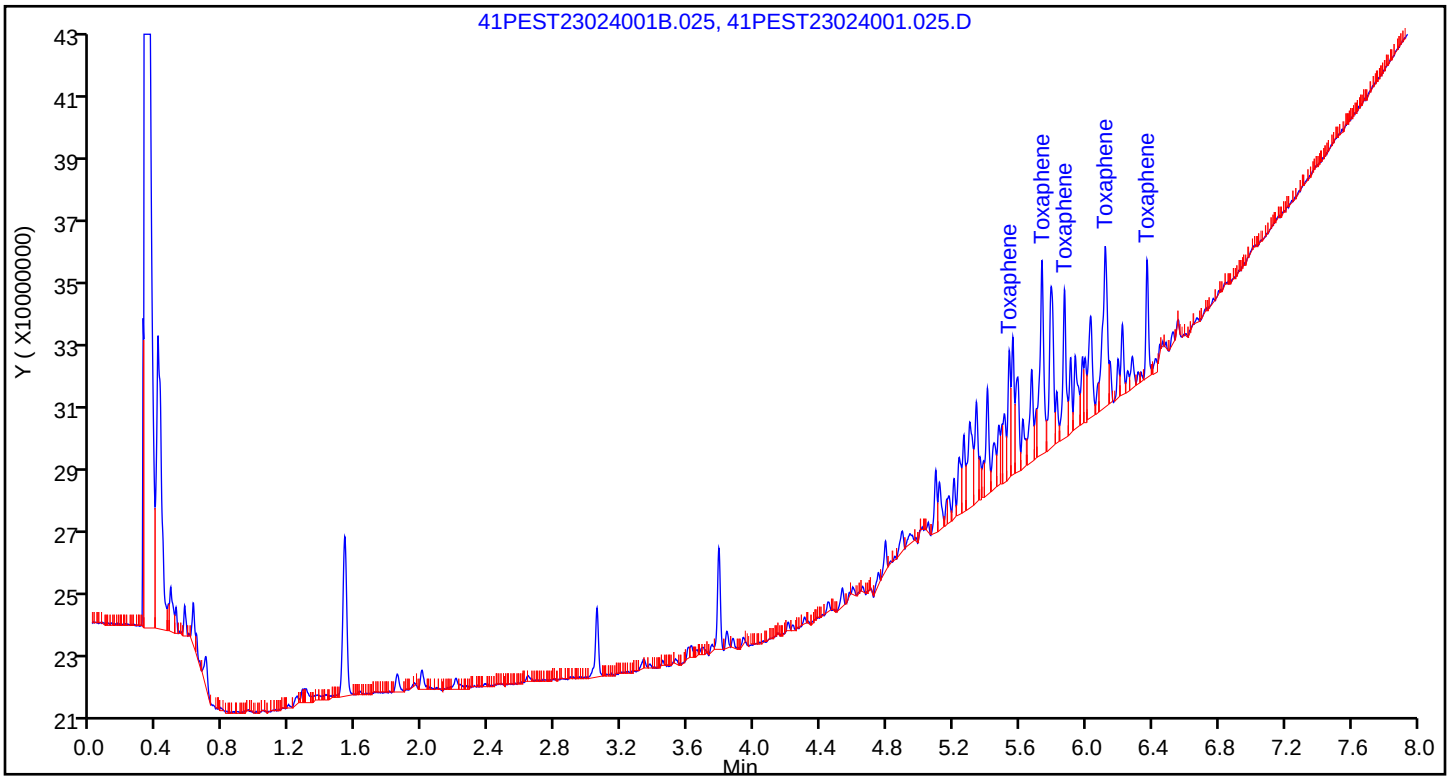
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Report Date: 25-Jan-2023 13:27:14 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.025.D

Injection Date: 25-Jan-2023 05:14:00 Instrument ID: 9147

Lims ID: ic tox1

Client ID:

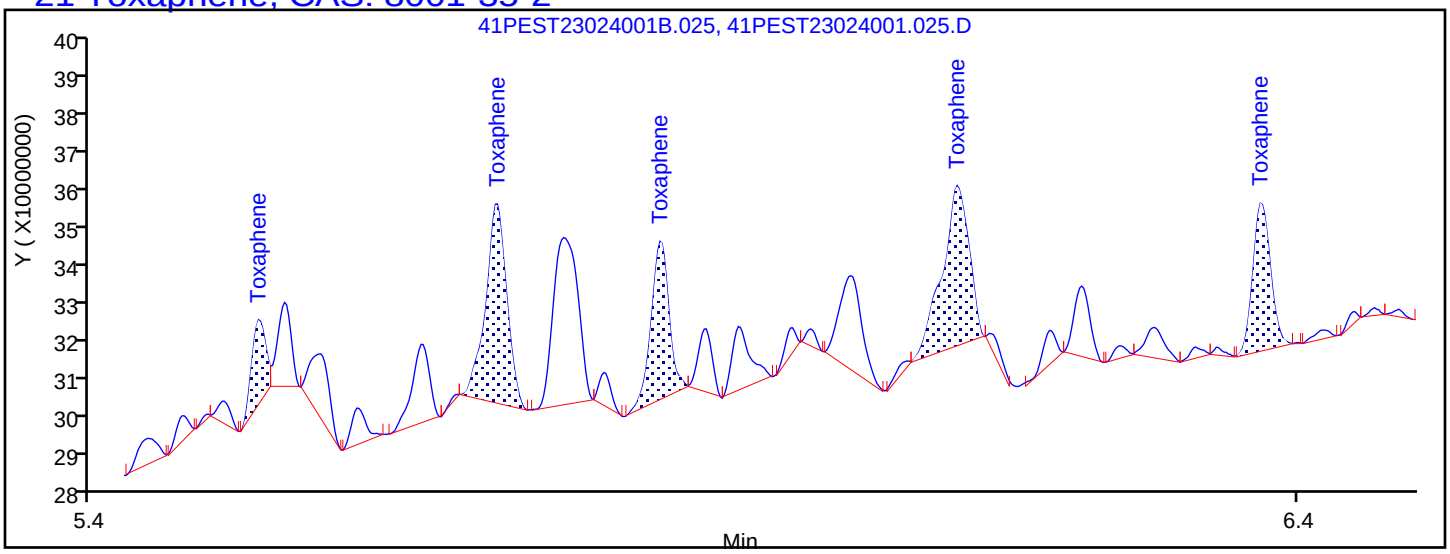
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 25

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

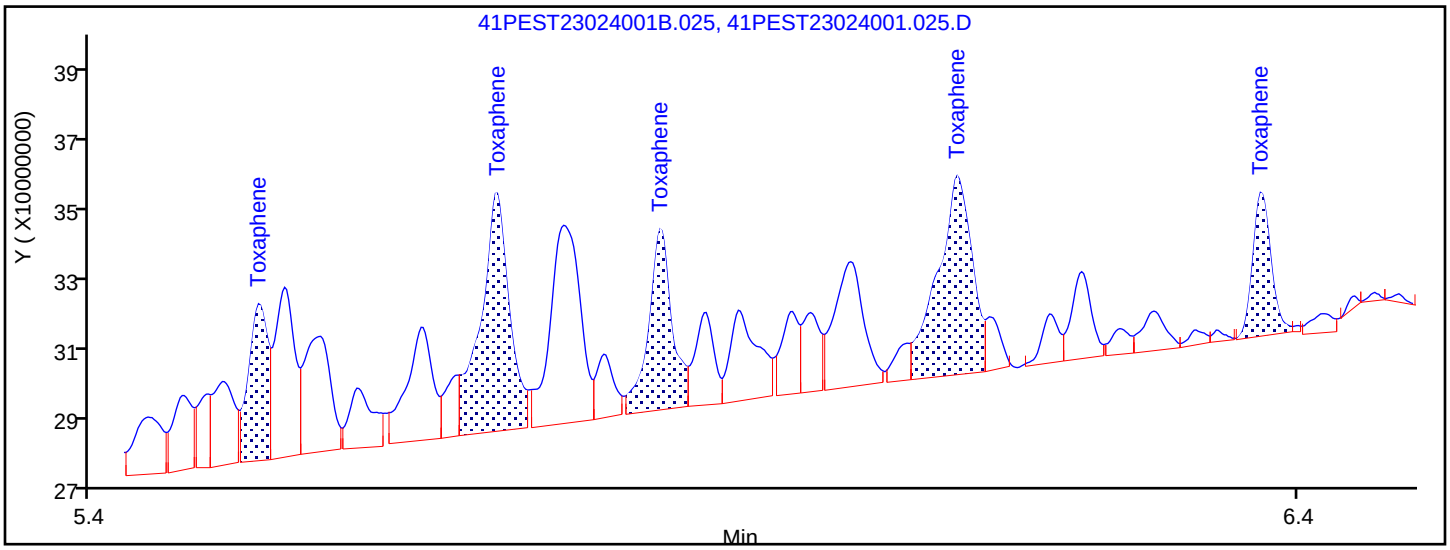
Column: Phenomenex MR2 (0.00 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.538	Response = 20274783
5.737	Response = 47904992
5.872	Response = 38022745
6.118	Response = 38574812
6.370	Response = 35495590



Manual Integration Results

5.538	Response = 39472468	M
5.737	Response = 59844216	M
5.872	Response = 45785477	M
6.118	Response = 49954169	M
6.370	Response = 36274333	M

Reviewer: JC94, 25-Jan-2023 13:14:43

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.026.D
Lims ID: ic t2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 25-Jan-2023 05:29:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:18 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 12:53:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.072	5.073	-0.001	119246516H	100.0	107.6	M
1	5.287	5.288	-0.001	149140967H	100.0	99.4	M
1	5.667	5.668	-0.001	183811539H	100.0	97.5	M
1	5.910	5.912	-0.002	135314222H	100.0	92.7	M
1	4.868	4.870	-0.002	97176557H	100.0	111.6	M
		Average of Peak Amounts =				101.8	
2	5.560	5.557	0.003	93063125H	100.0	93.8	M
2	5.735	5.733	0.002	129244907H	100.0	91.1	M
2	5.872	5.870	0.002	100694268H	100.0	86.3	M
2	6.118	6.115	0.003	108204272H	100.0	88.0	M
2	6.370	6.368	0.002	74143645H	100.0	80.5	M
		Average of Peak Amounts =				87.9	
						RPD = 14.55	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOX2_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:21 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.026.D

Injection Date: 25-Jan-2023 05:29:00 Instrument ID: 9147

Lims ID: ic t2

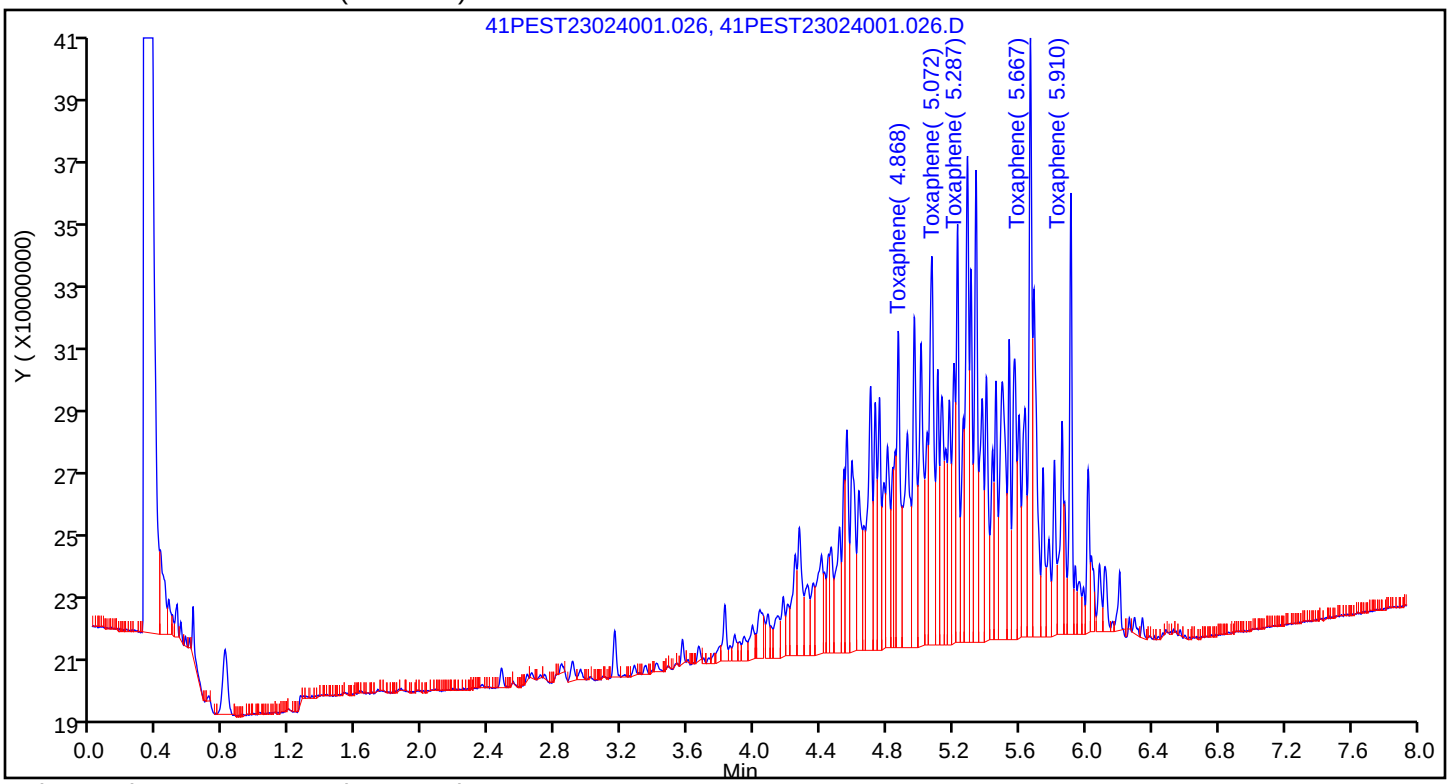
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

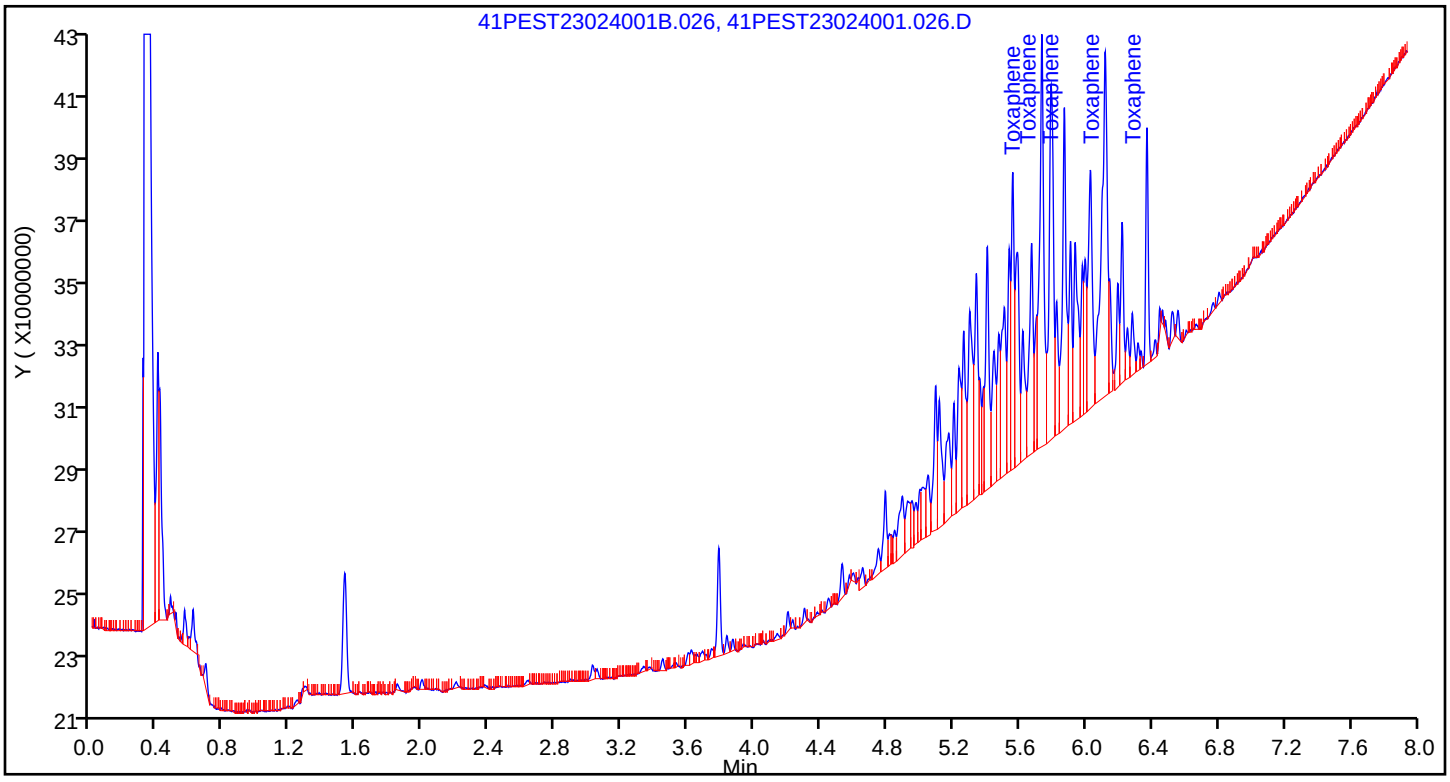
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Report Date: 25-Jan-2023 13:27:21 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.026.D

Injection Date: 25-Jan-2023 05:29:00 Instrument ID: 9147

Lims ID: ic t2

Client ID:

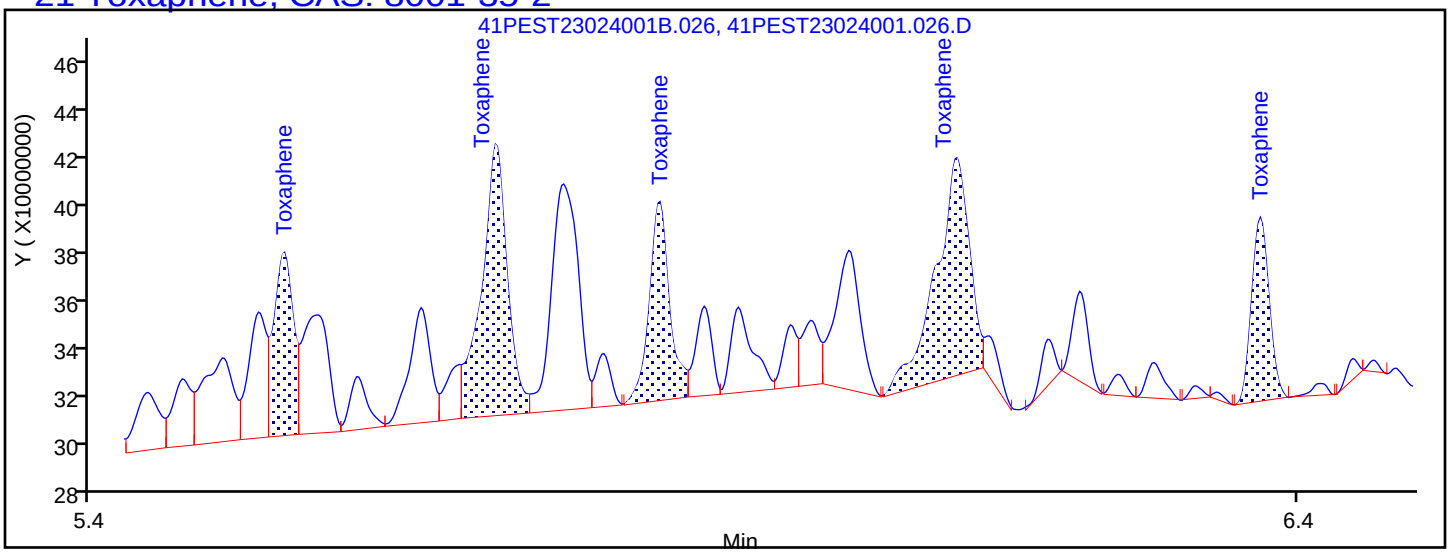
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

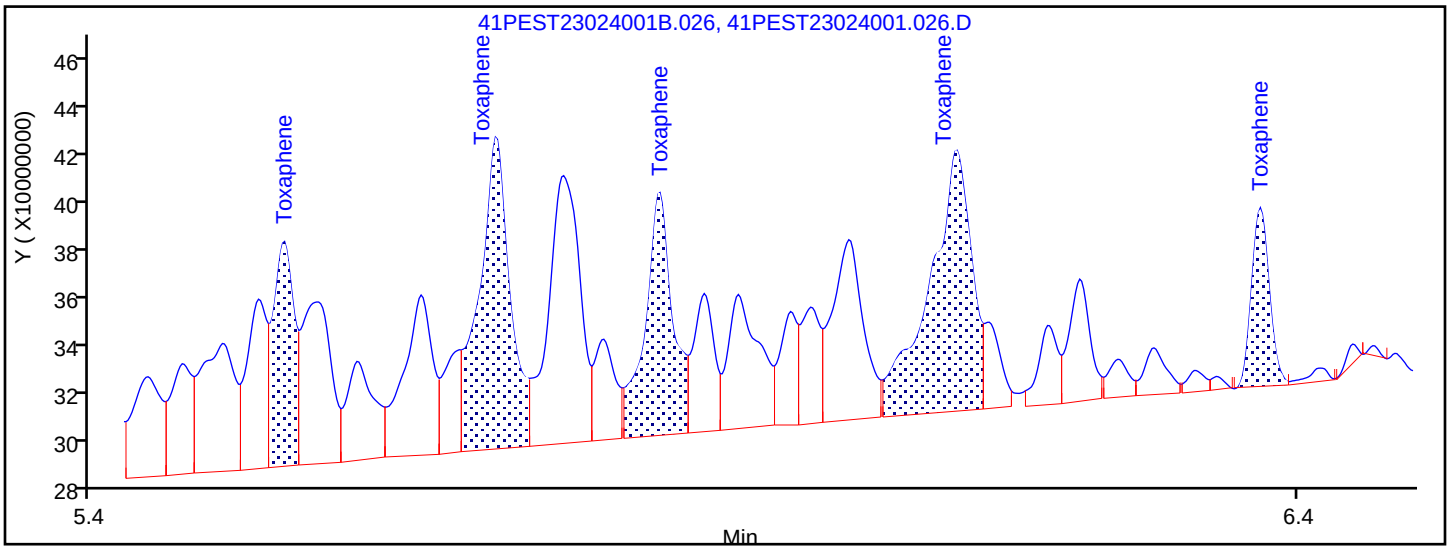
Column: Phenomenex MR2 (0.00 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.560	Response = 73805786
5.735	Response = 108891916
5.872	Response = 79534454
6.118	Response = 87259453
6.370	Response = 73680852



Manual Integration Results

5.560	Response = 93063125	M
5.735	Response = 129244907	M
5.872	Response = 100694268	M
6.118	Response = 108204272	M
6.370	Response = 74143645	M

Reviewer: JC94, 25-Jan-2023 13:15:57

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.027.D
Lims ID: ic t3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 25-Jan-2023 05:43:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:25 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 13:16:40

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.072	5.073	-0.001	210519625H	200.0	189.9	M
1	5.287	5.288	-0.001	287683881H	200.0	191.7	M
1	5.667	5.668	-0.001	352788255H	200.0	187.2	M
1	5.910	5.912	-0.002	263909198H	200.0	180.7	M
1	4.868	4.870	-0.002	167151804H	200.0	191.9	M
		Average of Peak Amounts =				188.3	
2	5.557	5.557	0.000	194610614H	200.0	196.1	M
2	5.732	5.733	-0.001	272135023H	200.0	191.9	M
2	5.868	5.870	-0.002	220527384H	200.0	189.0	M
2	6.113	6.115	-0.002	237898256H	200.0	193.6	M
2	6.367	6.368	-0.001	170614919H	200.0	185.2	M
		Average of Peak Amounts =				191.2	
						RPD = 1.50	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOX3_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:27 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.027.D

Injection Date: 25-Jan-2023 05:43:00 Instrument ID: 9147

Lims ID: ic t3

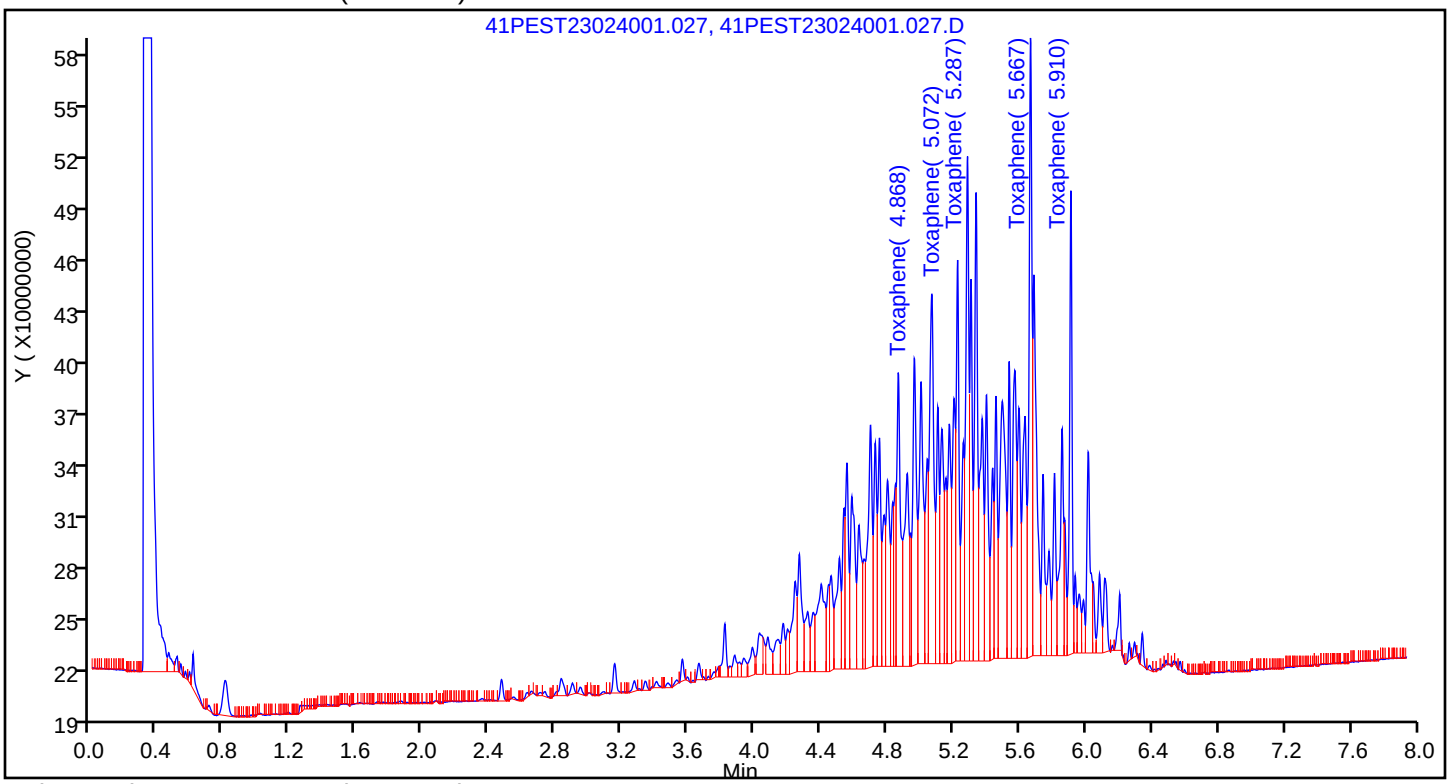
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

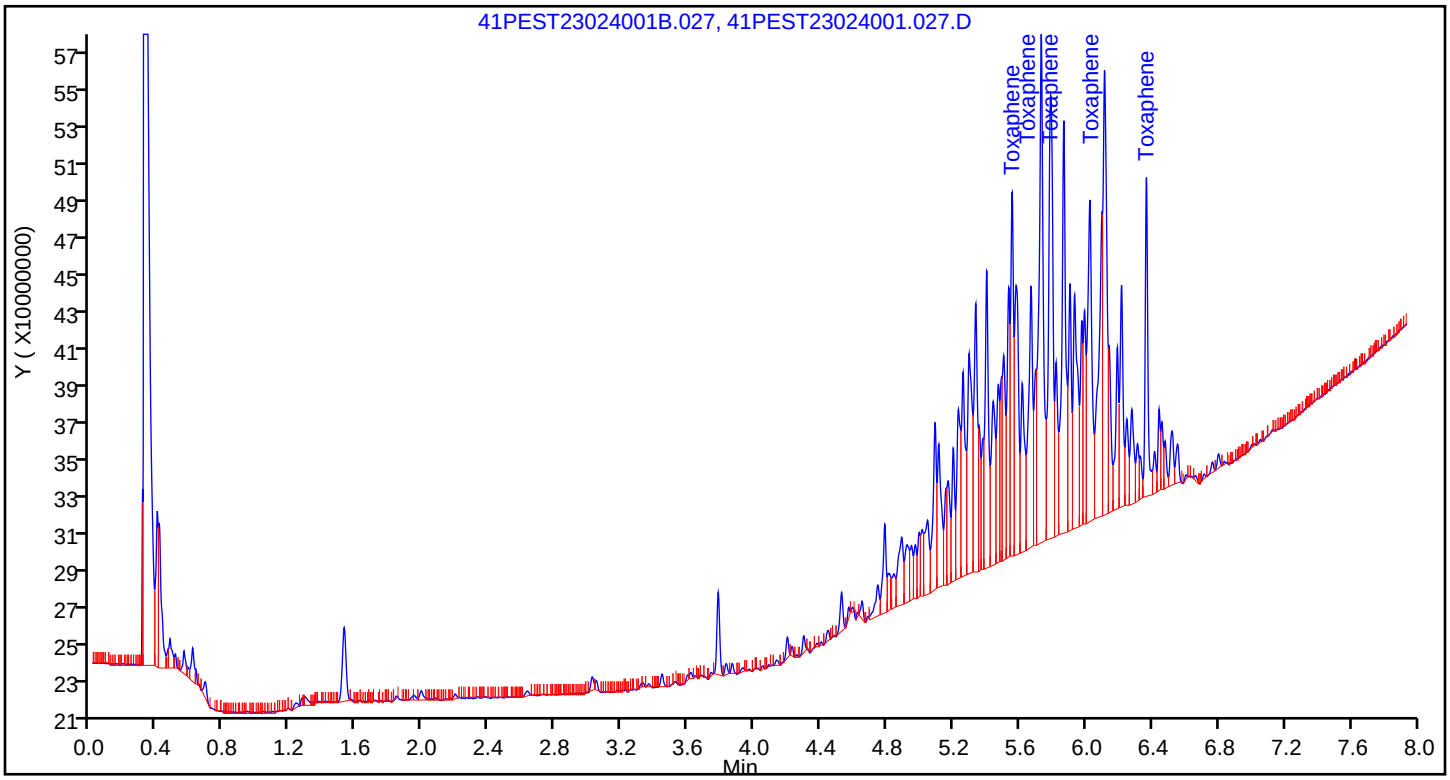
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Report Date: 25-Jan-2023 13:27:28 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.027.D

Injection Date: 25-Jan-2023 05:43:00 Instrument ID: 9147

Lims ID: ic t3

Client ID:

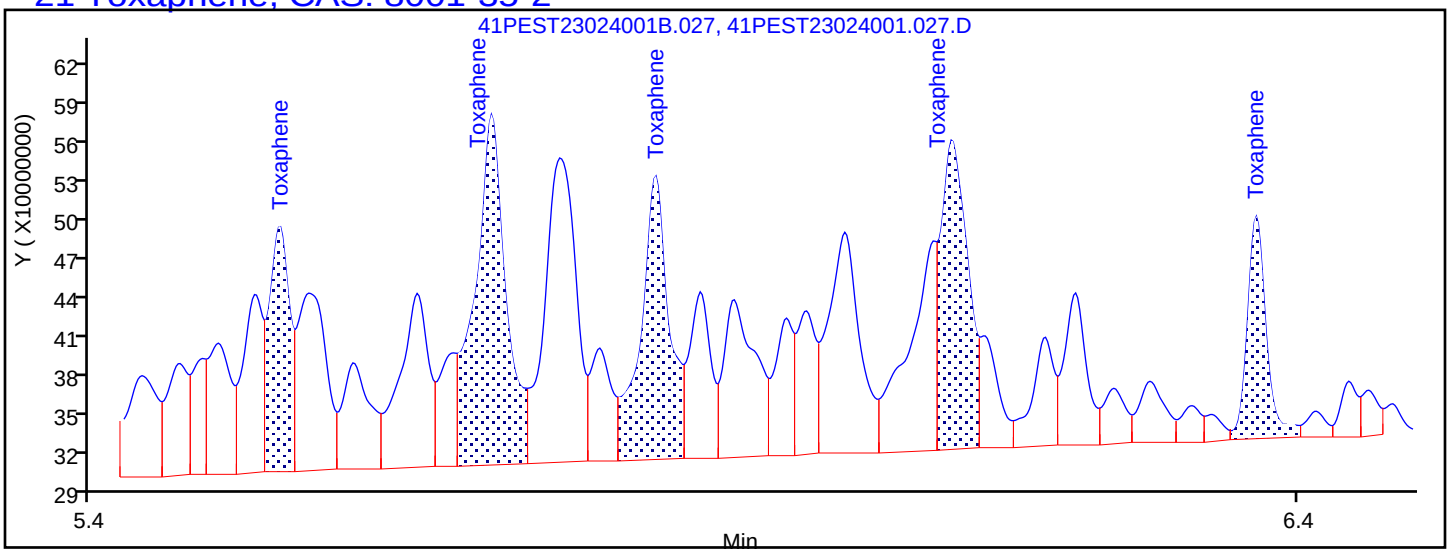
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

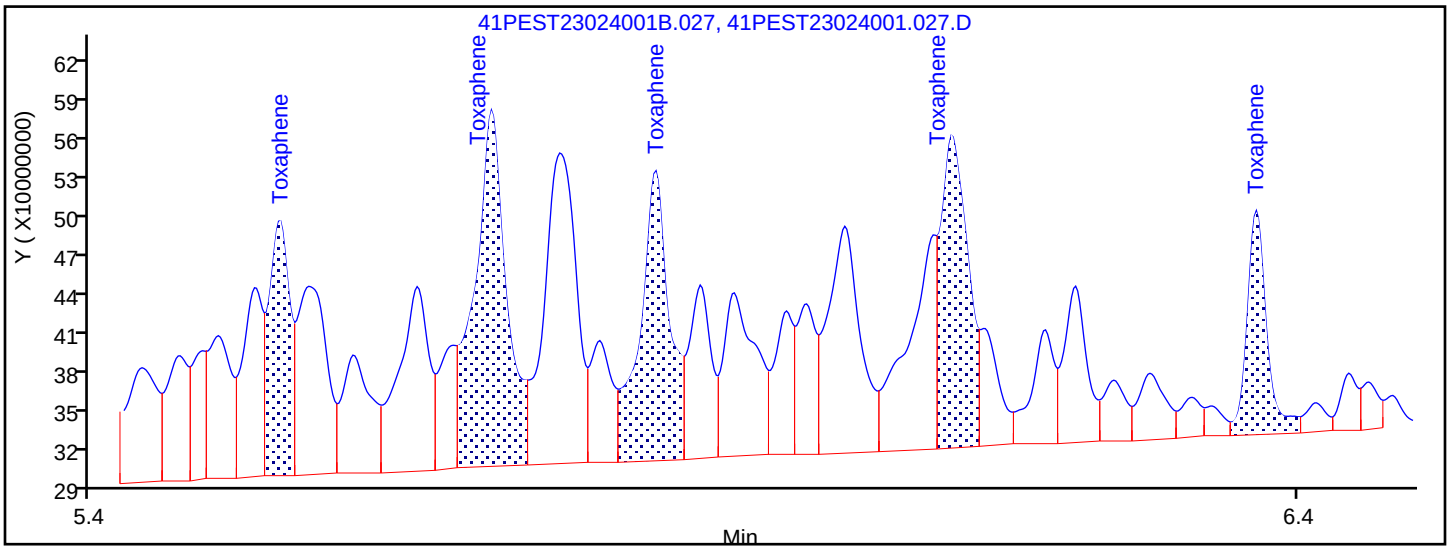
Column: Phenomenex MR2 (0.00 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.557	Response = 184345874
5.732	Response = 263443866
5.868	Response = 213065122
6.113	Response = 232639012
6.367	Response = 167633626



Manual Integration Results

5.557	Response = 194610614	M
5.732	Response = 272135023	M
5.868	Response = 220527384	M
6.113	Response = 237898256	M
6.367	Response = 170614919	M

Reviewer: JC94, 25-Jan-2023 13:16:36

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.028.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 25-Jan-2023 05:58:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt t4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:32 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: UAMZ Date: 25-Jan-2023 11:22:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.073	5.073	0.000	529187103H	500.0	477.4	
1	5.288	5.288	0.000	720731162H	500.0	480.3	
1	5.668	5.668	0.000	927572795H	500.0	492.2	
1	5.912	5.912	0.000	741685682H	500.0	507.9	
1	4.870	4.870	0.000	403710855H	500.0	463.5	
		Average of Peak Amounts =				484.3	
2	5.557	5.557	0.000	520091839H	500.0	524.2	
2	5.733	5.733	0.000	735296126H	500.0	518.4	
2	5.870	5.870	0.000	620042668H	500.0	531.5	
2	6.115	6.115	0.000	637967852H	500.0	519.1	
2	6.368	6.368	0.000	486258752H	500.0	527.8	
		Average of Peak Amounts =				524.2	
						RPD = 7.91	

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:34 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.028.D

Injection Date: 25-Jan-2023 05:58:00 Instrument ID: 9147

Lims ID: icrt

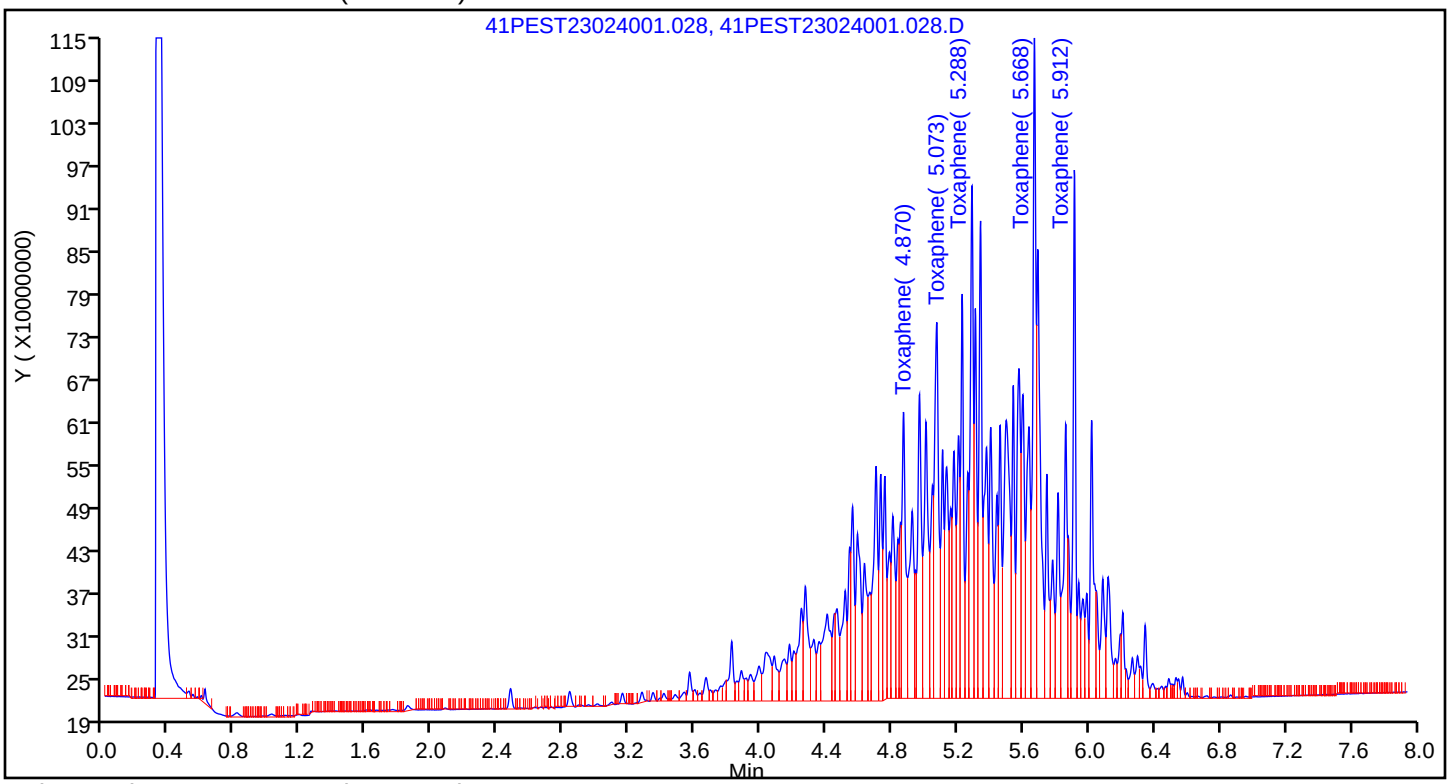
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

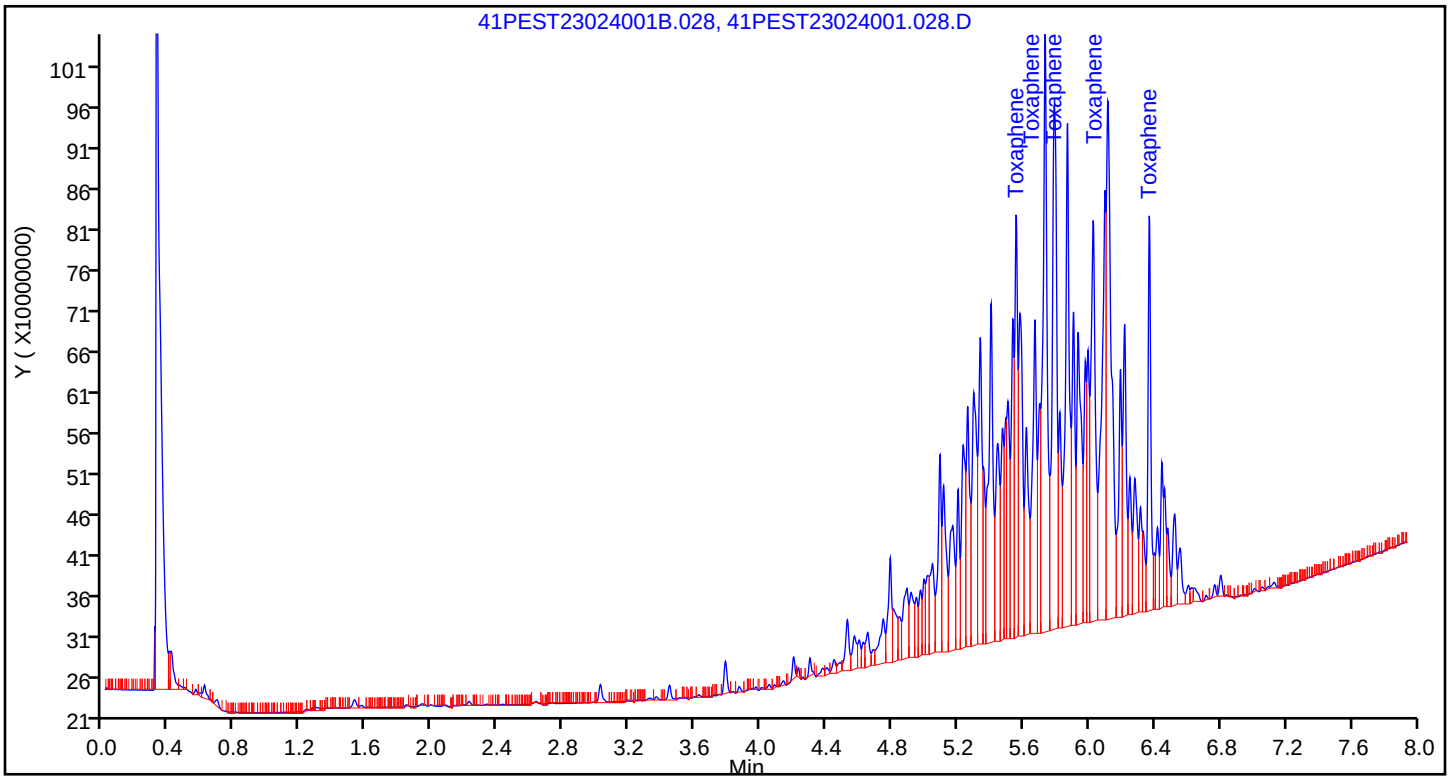
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.029.D
Lims ID: ic t5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 25-Jan-2023 06:13:00 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:38 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 13:01:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.073	5.073	0.000	1022441180H	1000.0	922.4	
1	5.288	5.288	0.000	1497290365H	1000.0	997.9	
1	5.668	5.668	0.000	1890751447H	1000.0	1003.4	
1	5.913	5.912	0.001	1592059078H	1000.0	1090.3	
1	4.870	4.870	0.000	805605288H	1000.0	924.9	
		Average of Peak Amounts =				987.8	
2	5.558	5.557	0.001	1077003201H	1000.0	1085.5	
2	5.733	5.733	0.000	1519703026H	1000.0	1071.4	
2	5.870	5.870	0.000	1304727058H	1000.0	1118.3	
2	6.115	6.115	0.000	1373984114H	1000.0	1118.0	
2	6.368	6.368	0.000	1059029113H	1000.0	1149.5	
		Average of Peak Amounts =				1108.5	
						RPD = 11.52	

Reagents:

GCS_TOX5_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:40 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.029.D

Injection Date: 25-Jan-2023 06:13:00 Instrument ID: 9147

Lims ID: ic t5

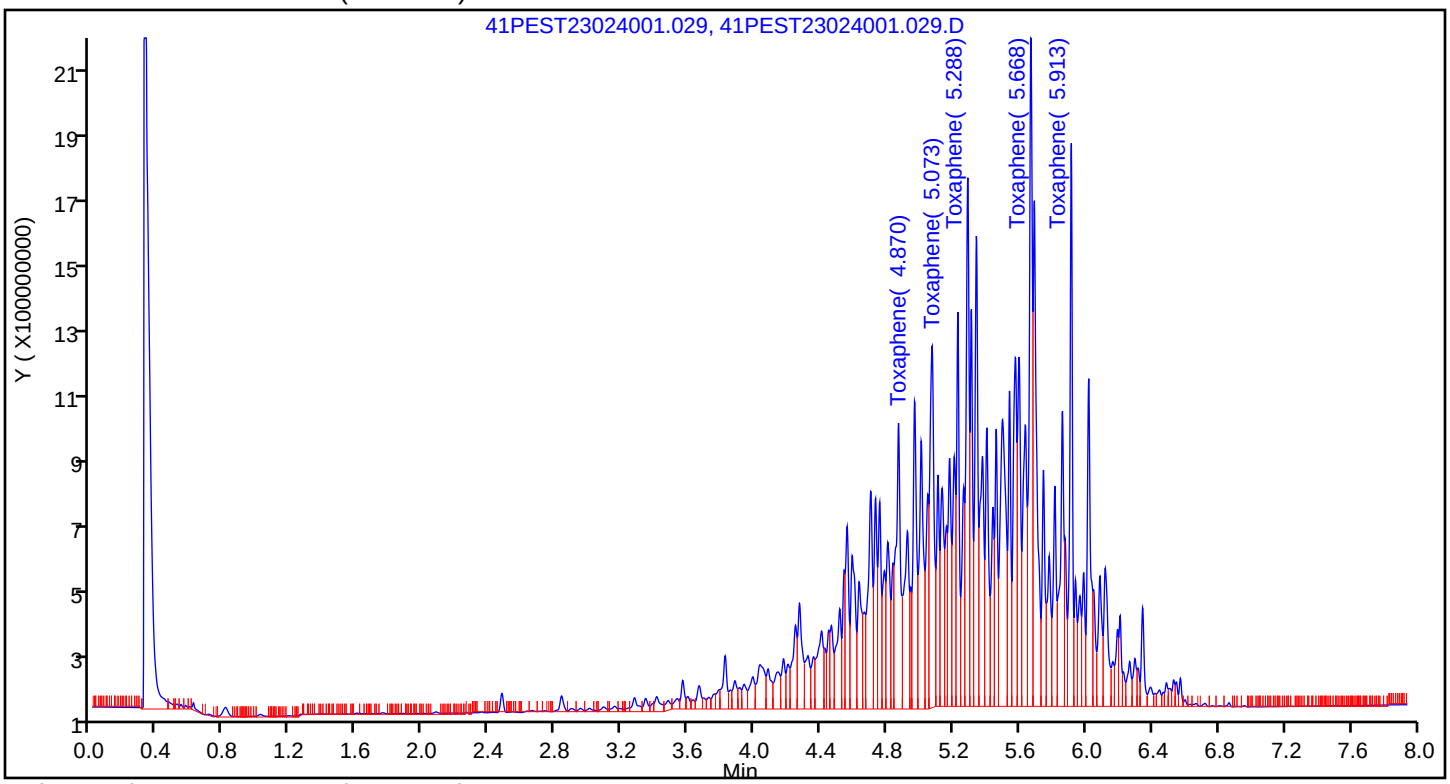
Client ID:

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

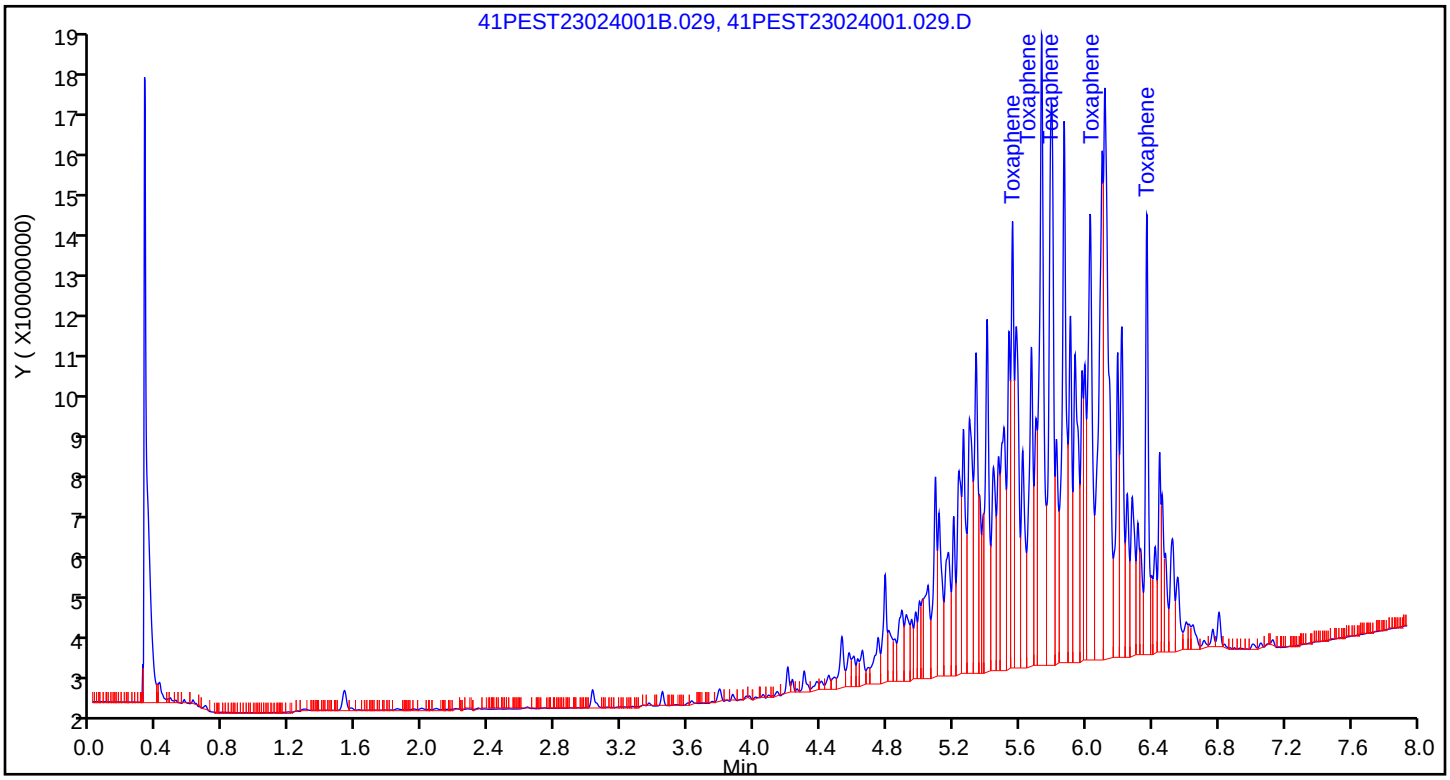
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.030.D
Lims ID: ic t6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 25-Jan-2023 06:28:00 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:27:44 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

First Level Reviewer: JC94 Date: 25-Jan-2023 13:07:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.072	5.073	-0.001	2094846233H	2000.0	1889.8	
1	5.288	5.288	0.000	3162668728H	2000.0	2107.7	
1	5.670	5.668	0.002	4091711732H	2000.0	2171.4	
1	5.912	5.912	0.000	3351477737H	2000.0	2295.3	
1	4.870	4.870	0.000	1574843818H	2000.0	1808.1	
		Average of Peak Amounts =				2054.5	
2	5.560	5.557	0.003	2285770244H	2000.0	2303.7	
2	5.737	5.733	0.004	3340791244H	2000.0	2355.2	
2	5.872	5.870	0.002	2859769707H	2000.0	2451.2	
2	6.102	6.115	-0.013	2907035986H	2000.0	2365.3	
2	6.372	6.368	0.004	2352243911H	2000.0	2553.2	
		Average of Peak Amounts =				2405.8	
						RPD = 15.75	

Reagents:

GCS_TOX6_00009 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:27:46 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.030.D

Injection Date: 25-Jan-2023 06:28:00 Instrument ID: 9147

Lims ID: ic t6

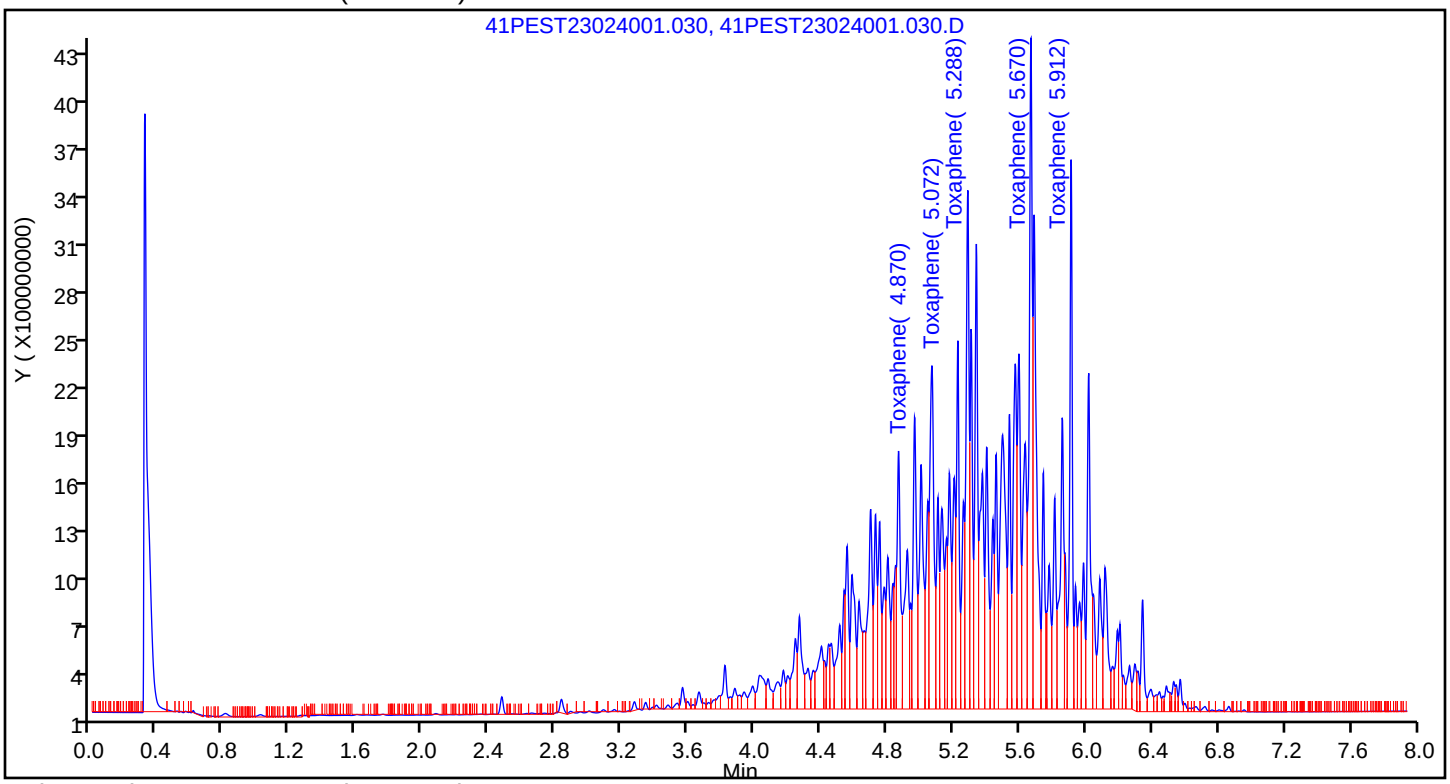
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 30

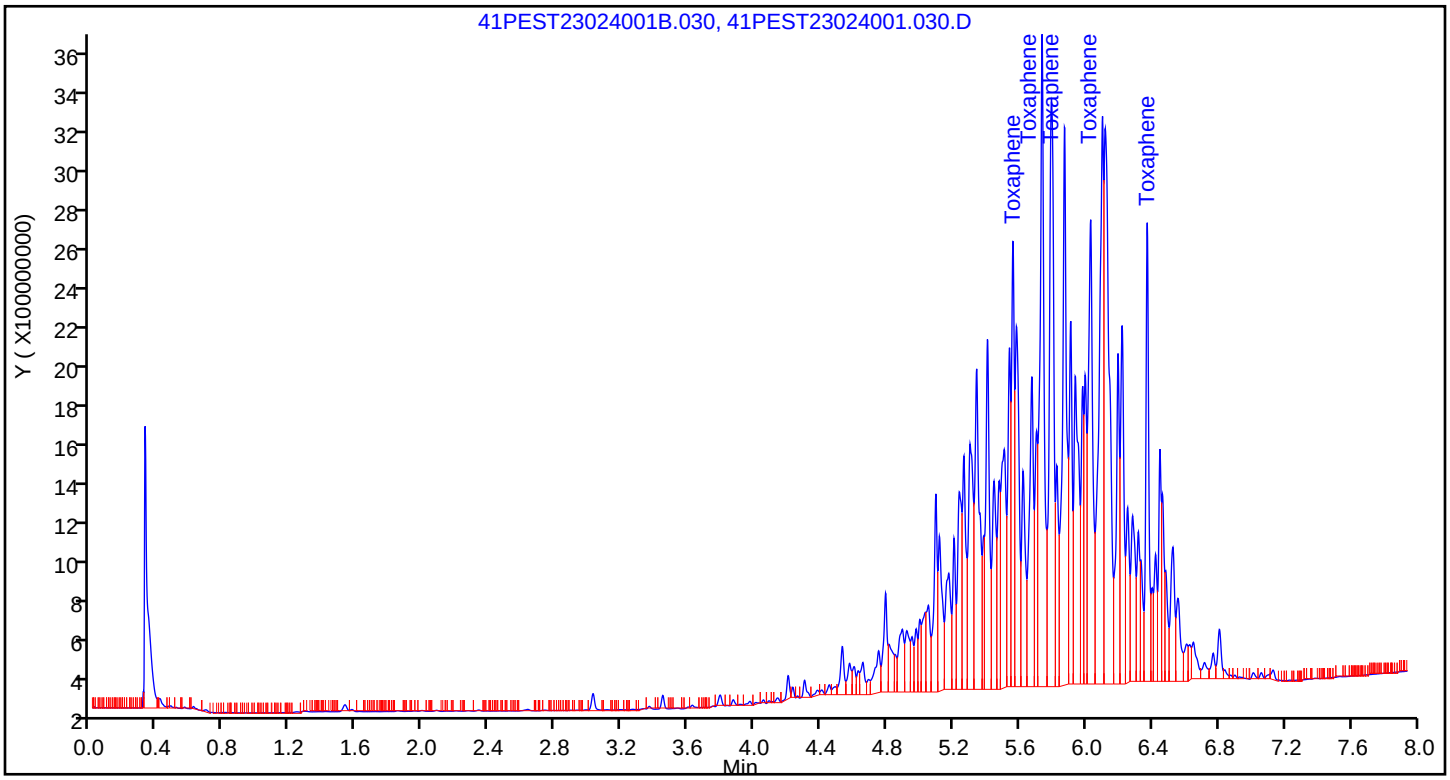
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Calibration / Toxaphene Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

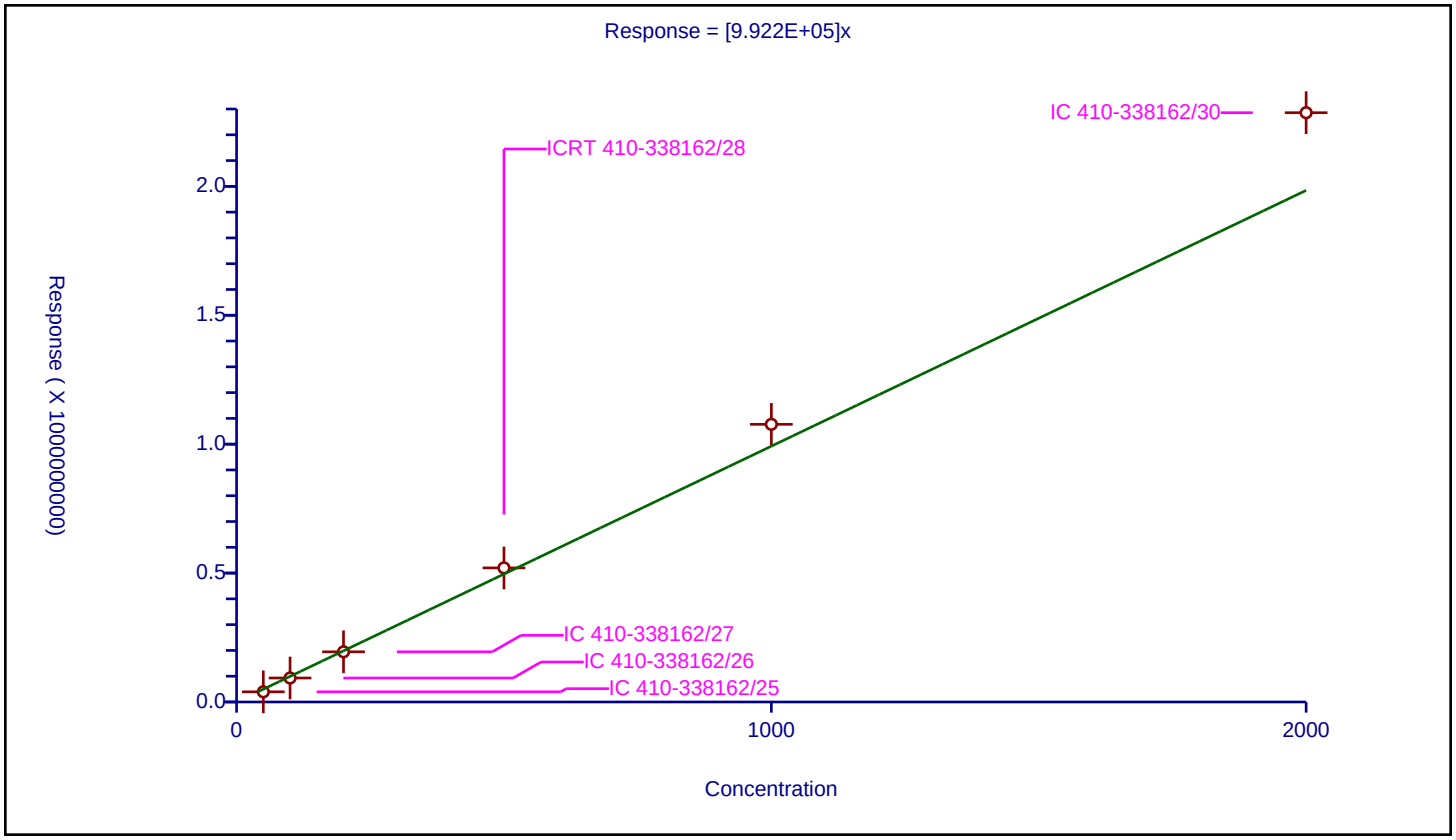
Curve Coefficients

Intercept:	0
Slope:	9.922E+05

Error Coefficients

Standard Error:	141000000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/25	50.0	39472468.0			789449.36	Y
2	IC 410-338162/26	100.0	93063125.0			930631.25	Y
3	IC 410-338162/27	200.0	194610614.0			973053.07	Y
4	ICRT 410-338162/28	500.0	520091839.0			1040183.678	Y
5	IC 410-338162/29	1000.0	1077003201.0			1077003.201	Y
6	IC 410-338162/30	2000.0	2285770244.0			1142885.122	Y



Calibration / Toxaphene Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

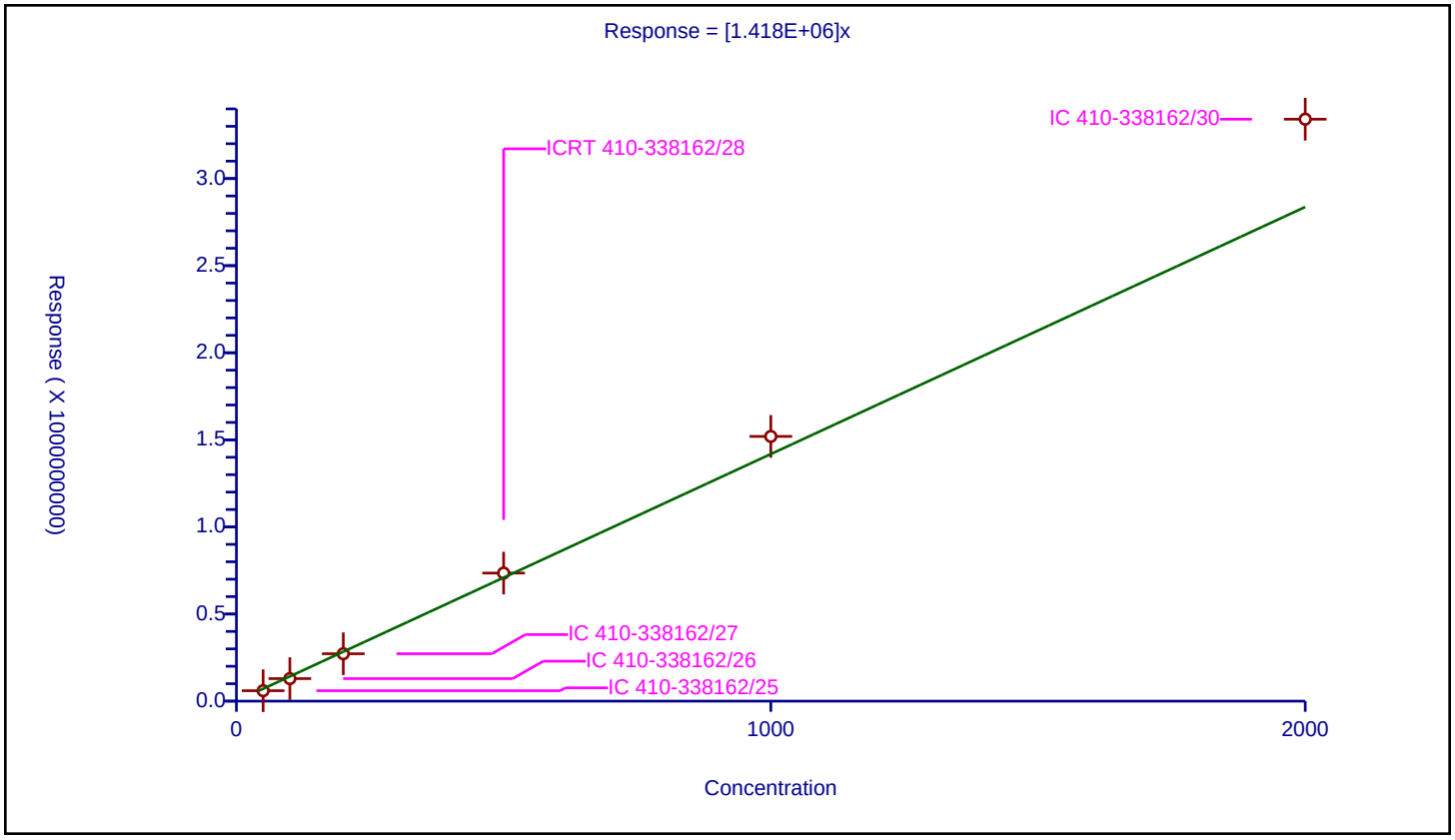
Curve Coefficients

Intercept:	0
Slope:	1.418E+06

Error Coefficients

Standard Error:	230000000
Relative Standard Error:	12.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/25	50.0	59844216.0			1196884.32	Y
2	IC 410-338162/26	100.0	129244907.0			1292449.07	Y
3	IC 410-338162/27	200.0	272135023.0			1360675.115	Y
4	ICRT 410-338162/28	500.0	735296126.0			1470592.252	Y
5	IC 410-338162/29	1000.0	1519703026.0			1519703.026	Y
6	IC 410-338162/30	2000.0	3340791244.0			1670395.622	Y



Calibration / Toxaphene Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

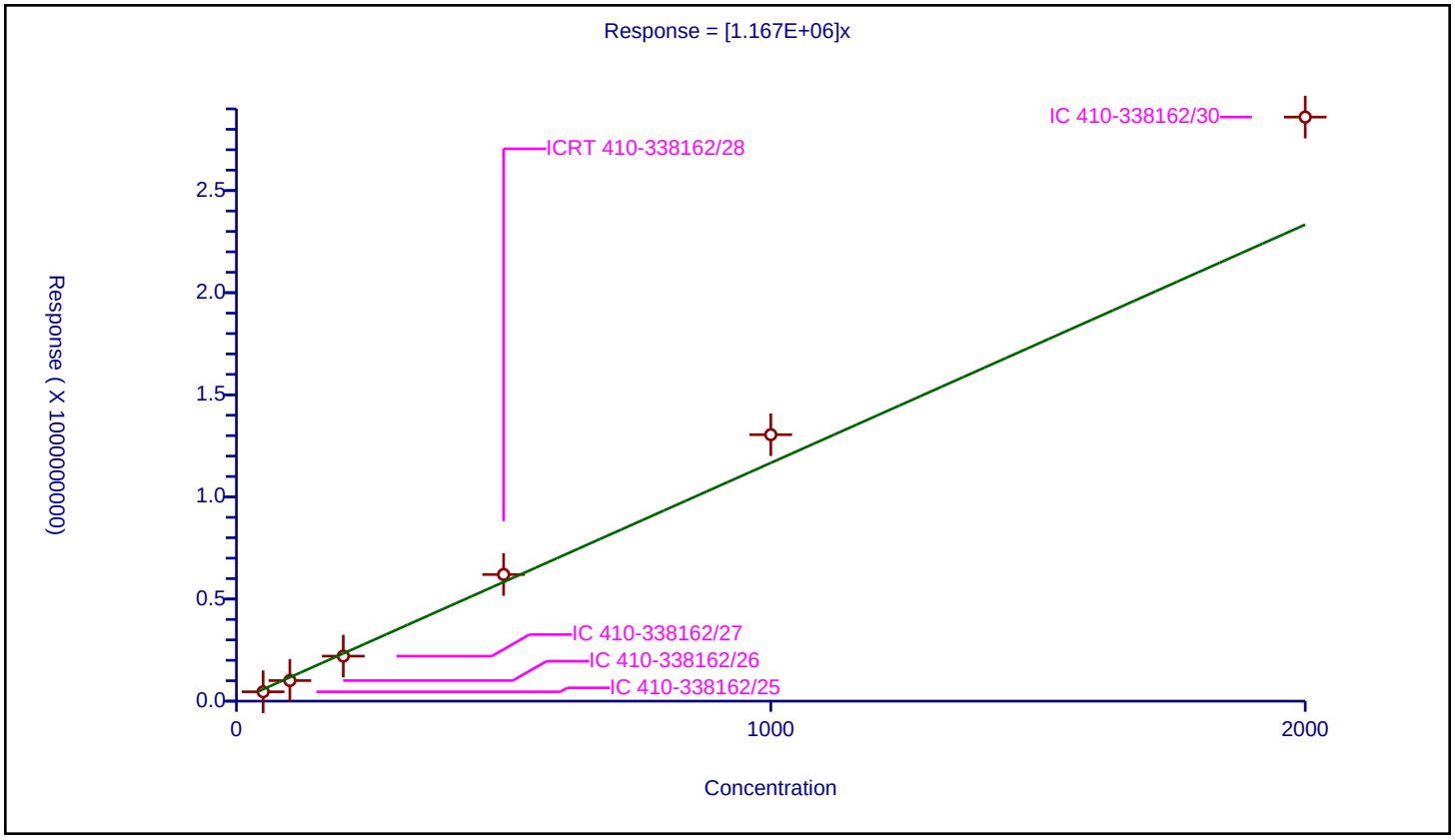
Curve Coefficients

Intercept:	0
Slope:	1.167E+06

Error Coefficients

Standard Error:	244000000
Relative Standard Error:	16.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/25	50.0	45785477.0			915709.54	Y
2	IC 410-338162/26	100.0	100694268.0			1006942.68	Y
3	IC 410-338162/27	200.0	220527384.0			1102636.92	Y
4	ICRT 410-338162/28	500.0	620042668.0			1240085.336	Y
5	IC 410-338162/29	1000.0	1304727058.0			1304727.058	Y
6	IC 410-338162/30	2000.0	2859769707.0			1429884.8535	Y



Calibration / Toxaphene Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

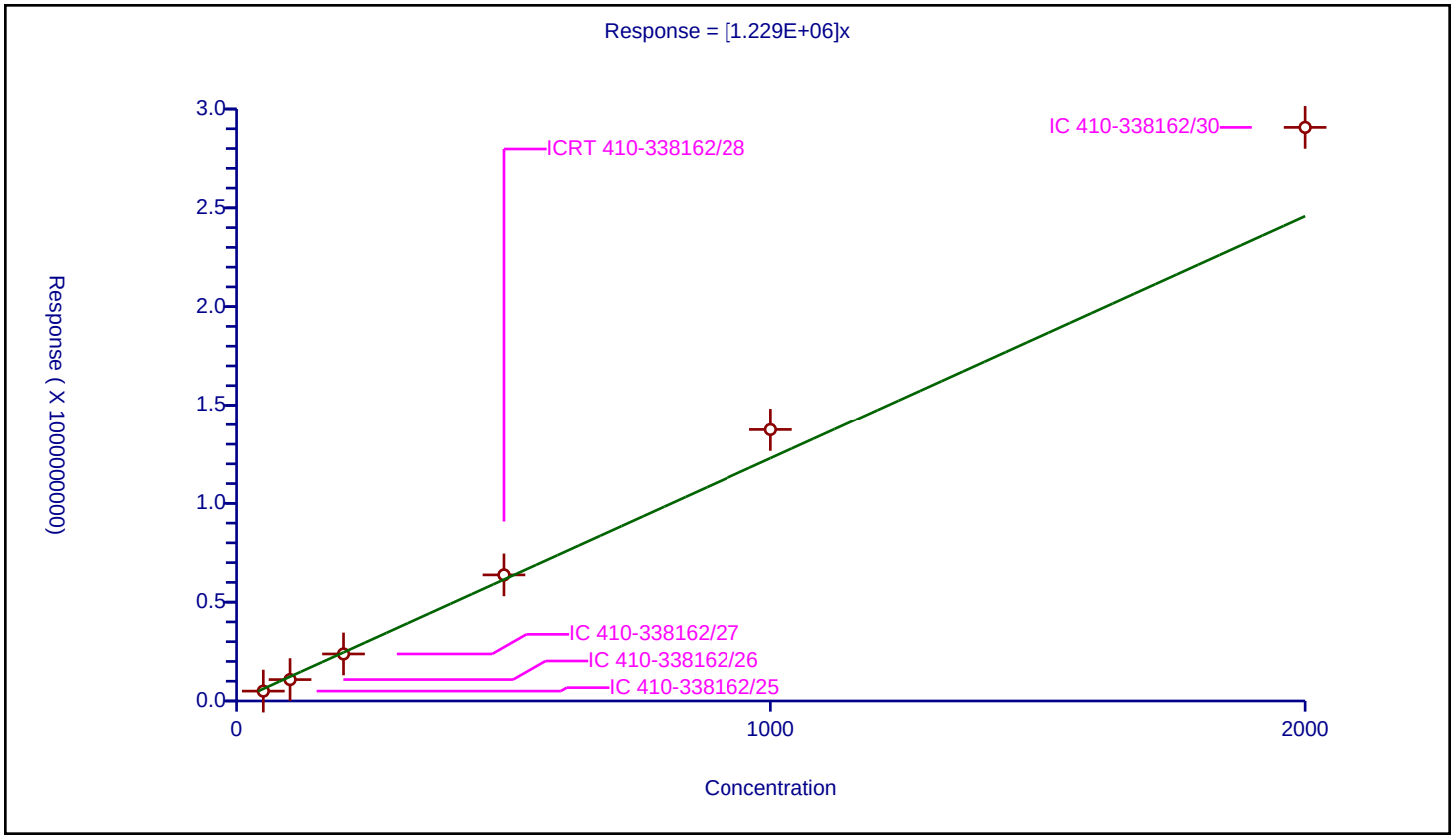
Curve Coefficients

Intercept:	0
Slope:	1.229E+06

Error Coefficients

Standard Error:	211000000
Relative Standard Error:	14.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/25	50.0	49954169.0			999083.38	Y
2	IC 410-338162/26	100.0	108204272.0			1082042.72	Y
3	IC 410-338162/27	200.0	237898256.0			1189491.28	Y
4	ICRT 410-338162/28	500.0	637967852.0			1275935.704	Y
5	IC 410-338162/29	1000.0	1373984114.0			1373984.114	Y
6	IC 410-338162/30	2000.0	2907035986.0			1453517.993	Y



Calibration / Toxaphene Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

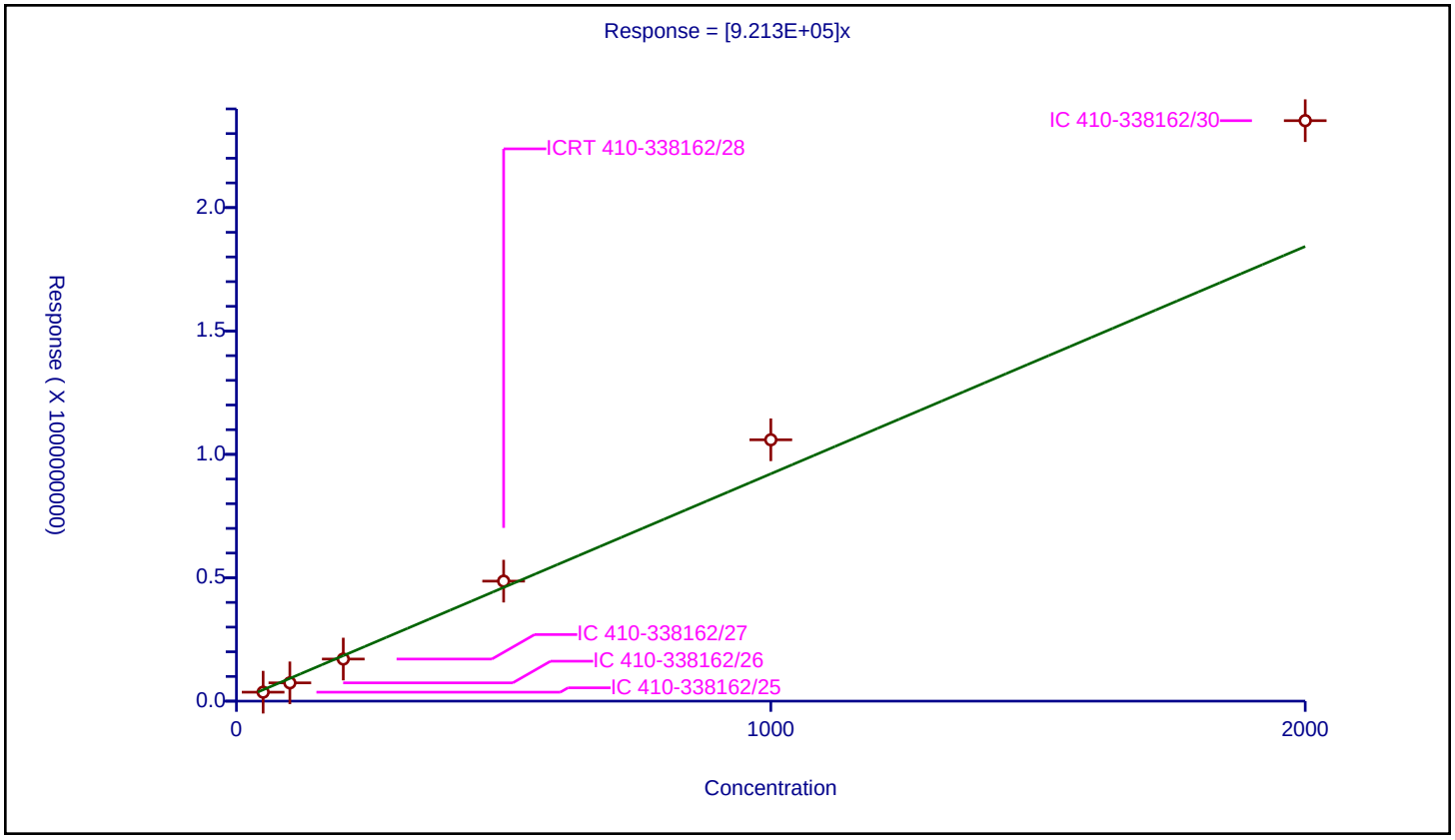
Curve Coefficients

Intercept:	0
Slope:	9.213E+05

Error Coefficients

Standard Error:	237000000
Relative Standard Error:	19.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-338162/25	50.0	36274333.0			725486.66	Y
2	IC 410-338162/26	100.0	74143645.0			741436.45	Y
3	IC 410-338162/27	200.0	170614919.0			853074.595	Y
4	ICRT 410-338162/28	500.0	486258752.0			972517.504	Y
5	IC 410-338162/29	1000.0	1059029113.0			1059029.113	Y
6	IC 410-338162/30	2000.0	2352243911.0			1176121.9555	Y



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47491

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-347154/14	41PEST23024020.014.D
Level 2	IC 410-347154/15	41PEST23024020.015.D
Level 3	IC 410-347154/16	41PEST23024020.016.D
Level 4	ICRT 410-347154/17	41PEST23024020.017.D
Level 5	IC 410-347154/18	41PEST23024020.018.D
Level 6	IC 410-347154/19	41PEST23024020.019.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	2.455	2.462	2.455	2.455	2.458	2.455					2.425 - 2.485	2.457
gamma-BHC (Lindane)	2.830	2.833	2.828	2.828	2.833	2.828					2.798 - 2.858	2.830
beta-BHC	3.080	3.085	3.080	3.080	3.083	3.078					3.050 - 3.110	3.081
Heptachlor	3.195	3.200	3.195	3.195	3.198	3.195					3.165 - 3.225	3.196
delta-BHC	3.368	3.373	3.368	3.368	3.372	3.367					3.338 - 3.398	3.369
Aldrin	3.505	3.508	3.503	3.505	3.508	3.503					3.475 - 3.535	3.505
Heptachlor epoxide	4.010	4.015	4.010	4.010	4.013	4.008					3.980 - 4.040	4.011
gamma-Chlordane	4.212	4.217	4.212	4.212	4.215	4.210					4.182 - 4.242	4.213
alpha-Chlordane	4.295	4.300	4.295	4.295	4.298	4.293					4.265 - 4.325	4.296
Endosulfan I	4.340	4.345	4.340	4.340	4.343	4.338					4.310 - 4.370	4.341
p,p'-DDE	4.468	4.473	4.468	4.468	4.472	4.467					4.438 - 4.498	4.469
Dieldrin	4.578	4.582	4.577	4.577	4.582	4.577					4.547 - 4.607	4.579
Endrin	4.830	4.835	4.830	4.830	4.833	4.828					4.800 - 4.860	4.831
p,p'-DDD	4.927	4.932	4.927	4.927	4.930	4.925					4.897 - 4.957	4.928
Endosulfan II	5.038	5.042	5.037	5.038	5.042	5.037					5.008 - 5.068	5.039
p,p'-DDT	5.137	5.142	5.137	5.137	5.140	5.137					5.107 - 5.167	5.138
Endrin aldehyde	5.212	5.215	5.210	5.210	5.213	5.210					5.180 - 5.240	5.212
Endosulfan sulfate	5.360	5.365	5.362	5.360	5.365	5.360					5.330 - 5.390	5.362
Methoxychlor	5.633	5.638	5.633	5.633	5.637	5.632					5.603 - 5.663	5.634
Endrin ketone	5.798	5.803	5.798	5.798	5.802	5.797					5.768 - 5.828	5.799
Tetrachloro-m-xylene (Surr)	1.860	1.865	1.858	1.860	1.863	1.860					1.830 - 1.890	1.861
DCB Decachlorobiphenyl (Surr)	6.545	6.550	6.545	6.545	6.548	6.543					6.515 - 6.575	6.546

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47491

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-347154/14	41PEST23024020.014.D
Level 2	IC 410-347154/15	41PEST23024020.015.D
Level 3	IC 410-347154/16	41PEST23024020.016.D
Level 4	ICRT 410-347154/17	41PEST23024020.017.D
Level 5	IC 410-347154/18	41PEST23024020.018.D
Level 6	IC 410-347154/19	41PEST23024020.019.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	96755526 99125046	100577255 95870886	88329436	91820203	Ave		95413058.7				4.8		20.0			
gamma-BHC (Lindane)	96638700 90338518	94700069 86581556	81618653	86075589	Ave		89325514.2				6.4		20.0			
beta-BHC	47703057 37473463	48371859 37006802	38980630	38213121	Ave		41291488.7				12.8		20.0			
Heptachlor	85442464 76849717	83245172 75420802	73075976	74724458	Ave		78126431.6				6.4		20.0			
delta-BHC	106713381 106045470	107986908 101737074	97188123	101015443	Ave		103447733				4.0		20.0			
Aldrin	103022621 95481670	103069915 96441700	90730501	91993927	Ave		96790055.6				5.5		20.0			
Heptachlor epoxide	102039235 90407660	99143925 87454123	88900526	88030886	Ave		92662725.9				6.8		20.0			
gamma-Chlordane	105784504 94393614	106094952 96506988	91155172	93299986	Ave		97872535.7				6.6		20.0			
alpha-Chlordane	109040442 94755841	107045268 95307172	91474446	93770296	Ave		98565577.5				7.6		20.0			
Endosulfan I	101912160 89149902	100401356 87712039	87999254	88541499	Ave		92619368.3				7.2		20.0			
p,p'-DDE	107823087 104837929	103614424 104290580	97649170	101181588	Ave		103232796				3.4		20.0			
Dieldrin	106402916 102231010	107450532 105224308	98853436	102447263	Ave		103768244				3.1		20.0			
Endrin	98759232 91478140	96487347 90241639	88366217	90439046	Ave		92628603.4				4.4		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47491

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
p,p'-DDD	86962215 83533308	87209050 88950014	81293711	85204728	Ave		85525504.2				3.2		20.0			
Endosulfan II	98161289 92295862	92256618 92648570	85696441	89116741	Ave		91695920.2				4.5		20.0			
p,p'-DDT	54108600 64281037	53956024 66282453	53857319	58779811	Ave		58544207.2				9.5		20.0			
Endrin aldehyde	82797088 74634726	82320104 75106104	70248464	71462514	Ave		76094833.3				7.0		20.0			
Endosulfan sulfate	93853391 84455487	90689461 83074253	79169882	80978206	Ave		85370113.1				6.7		20.0			
Methoxychlor	28091641 31877235	27799872 31893724	28657682	31715698	Ave		30005975.5				6.7		20.0			
Endrin ketone	96255555 92986986	96583710 92920595	87543503	92476496	Ave		93127807.3				3.5		20.0			
Tetrachloro-m-xylene (Surr)	67341444 61920522	67363616 61499392	59445949	61426050	Ave		63166162.1				5.3		20.0			
DCB Decachlorobiphenyl (Surr)	103934244 92416956	102127327 88916118	85063834	88052269	Ave		93418457.9				8.4		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47491

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-347154/14	41PEST23024020.014.D
Level 2	IC 410-347154/15	41PEST23024020.015.D
Level 3	IC 410-347154/16	41PEST23024020.016.D
Level 4	ICRT 410-347154/17	41PEST23024020.017.D
Level 5	IC 410-347154/18	41PEST23024020.018.D
Level 6	IC 410-347154/19	41PEST23024020.019.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	47990741 1917417719	100577255	441647180	918202028	1506700700	0.496 20.0	1.00	5.00	10.0	15.2
gamma-BHC (Lindane)	Ave	48531955 1753276502	95883820	413194430	871515342	1390309796	0.502 20.3	1.01	5.06	10.1	15.4
beta-BHC	Ave	23956475 749387749	48976507	197339441	386907852	576716593	0.502 20.3	1.01	5.06	10.1	15.4
Heptachlor	Ave	42379462 1508416046	83245172	365379881	747244581	1168115702	0.496 20.0	1.00	5.00	10.0	15.2
delta-BHC	Ave	52929837 2034741473	107986908	485940616	1010154432	1611891139	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	51099220 1928833998	103069915	453652506	919939268	1451321383	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	51244104 1770945999	100383224	450058912	891312716	1391373892	0.502 20.3	1.01	5.06	10.1	15.4
gamma-Chlordane	Ave	52469114	106094952	455775858	932999855	1434782926	0.496	1.00	5.00	10.0	15.2

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47491

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
		1930139755					20.0				
alpha-Chlordane	Ave	54760110 1929970231	108383334	463089383	949424246	1458292389	0.502 20.3	1.01	5.06	10.1	15.4
Endosulfan I	Ave	51180287 1776168788	101656373	445496222	896482674	1372016988	0.502 20.3	1.01	5.06	10.1	15.4
p,p'-DDE	Ave	107629005 4197695839	208524028	982594774	2036279453	3206992247	0.998 40.3	2.01	10.1	20.1	30.6
Dieldrin	Ave	105551693 4208972311	214901064	988534362	2048945263	3107822718	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	97969158 3609665574	192974694	883662172	1808780911	2780935445	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	86266517 3558000558	174418099	812937108	1704094565	2539412554	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan II	Ave	97375999 3705942810	184513235	856964408	1782334821	2805794212	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDT	Ave	53675731 2651298103	107912047	538573194	1175596225	1954143514	0.992 40.0	2.00	10.0	20.0	30.4
Endrin aldehyde	Ave	82134711	164640208	702484637	1429250283	2268895674	0.992	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.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47491

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
		3004244168					40.0				
Endosulfan sulfate	Ave	93102564 3322970108	181378922	791698819	1619564111	2567446791	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	140379550 642658547 9	280083707	1443630749	3195356565	4881679793	5.00 202	10.1	50.4	101	153
Endrin ketone	Ave	96082295 3740053938	194374716	880906497	1861089476	2844471902	0.998 40.3	2.01	10.1	20.1	30.6
Tetrachloro-m-xylene (Surr)	Ave	134139847 4939631156	270532281	1193674654	2466870156	3779826823	1.99 80.3	4.02	20.1	40.2	61.0
DCB Decachlorobiphenyl (Surr)	Ave	207030362 7141742577	410143346	1708081782	3536179135	5641426712	1.99 80.3	4.02	20.1	40.2	61.0

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.014.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2023 07:36:00 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic mixa1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:04 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

First Level Reviewer: WN7O Date: 24-Feb-2023 07:33:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.860	1.860	0.000	134139847H	1.99	2.12	
2	2.573	2.573	0.000	69430360H	1.99	1.98	
						RPD = 7.00	
2 alpha-BHC							
1	2.455	2.455	0.000	47990741H	0.4960	0.5030	
2	2.993	2.993	0.000	40075109H	0.4960	0.4265	
						RPD = 16.46	
4 gamma-BHC (Lindane)							
1	2.830	2.828	0.002	48531955H	0.5022	0.5433	
2	3.333	3.335	-0.002	41159183H	0.5022	0.4404	
						RPD = 20.93	
5 beta-BHC							
1	3.080	3.080	0.000	23956475H	0.5022	0.5802	
2	3.597	3.597	0.000	18313672H	0.5022	0.5284	
						RPD = 9.34	
7 delta-BHC							
1	3.368	3.368	0.000	52929837H	0.4960	0.5117	
2	3.843	3.845	-0.002	46953318H	0.4960	0.4344	
						RPD = 16.34	
8 Heptachlor							
1	3.195	3.195	0.000	42379462H	0.4960	0.5424	
2	3.918	3.918	0.000	50472445H	0.4960	0.4723	
						RPD = 13.82	
9 Aldrin							
1	3.505	3.505	0.000	51099220H	0.4960	0.5279	
2	4.212	4.212	0.000	51388292H	0.4960	0.4614	
						RPD = 13.45	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.010	4.010	0.000	51244104H	0.5022	0.5530	
2	4.583	4.583	0.000	46849818H	0.5022	0.4780	
						RPD = 14.56	
13 trans-Chlordane							
1	4.212	4.212	0.000	52469114H	0.4960	0.5361	
2	4.842	4.842	0.000	44220332H	0.4960	0.4598	
						RPD = 15.31	
14 cis-Chlordane							
1	4.295	4.295	0.000	54760110H	0.5022	0.5556	
2	4.882	4.883	-0.001	41275309H	0.5022	0.4565	
						RPD = 19.58	
15 Endosulfan I							
1	4.340	4.340	0.000	51180287H	0.5022	0.5526	
2	4.913	4.913	0.000	44517773H	0.5022	0.4873	
						RPD = 12.56	
16 4,4'-DDE							
1	4.468	4.468	0.000	107629005H	1.00	1.04	
2	4.997	4.997	0.000	90873477H	1.00	0.8926	
						RPD = 15.50	
18 Dieldrin							
1	4.578	4.577	0.001	105551693H	0.99	1.02	
2	5.113	5.113	0.000	92816532H	0.99	0.8642	
						RPD = 16.26	
19 Endrin							
1	4.830	4.830	0.000	97969158H	0.99	1.06	
2	5.290	5.290	0.000	81394500H	0.99	0.8800	
						RPD = 18.34	
22 4,4'-DDD							
1	4.927	4.927	0.000	86266517H	0.99	1.01	
2	5.387	5.387	0.000	63791342H	0.99	0.8610	
						RPD = 15.80	
23 Endosulfan II							
1	5.038	5.038	0.000	97375999H	0.99	1.06	
2	5.483	5.483	0.000	79276229H	0.99	0.9346	
						RPD = 12.76	
25 Endrin aldehyde							
1	5.212	5.210	0.002	82134711H	0.99	1.08	
2	5.563	5.565	-0.002	62067313H	0.99	0.9598	
						RPD = 11.72	
26 4,4'-DDT							
1	5.137	5.137	0.000	53675731H	0.99	0.9168	
2	5.613	5.613	0.000	54377788H	0.99	0.8411	
						RPD = 8.62	
27 Endosulfan sulfate							
1	5.360	5.360	0.000	93102564H	0.99	1.09	
2	5.770	5.770	0.000	74202999H	0.99	0.9563	
						RPD = 13.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	140379550H	5.00	4.68	
2	5.923	5.922	0.001	161424856H	5.00	4.51	
						RPD = 3.68	
29 Endrin ketone							
1	5.798	5.798	0.000	96082295H	1.00	1.03	
2	6.072	6.073	-0.001	73974759H	1.00	0.9312	
						RPD = 10.25	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	207030362H	1.99	2.22	
2	7.117	7.118	-0.001	134746619H	1.99	2.18	
						RPD = 1.62	
S 32 Total DDTs							
1						0.9168	
2						0.8411	
						RPD = 8.62	
S 33 Endosulfan, Total							
1						1.61	
2						1.42	
						RPD = 12.69	

Reagents:

GCS_MIXA1_00009 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.014.D

Injection Date: 23-Feb-2023 07:36:00 Instrument ID: 9147

Lims ID: ic mixa1

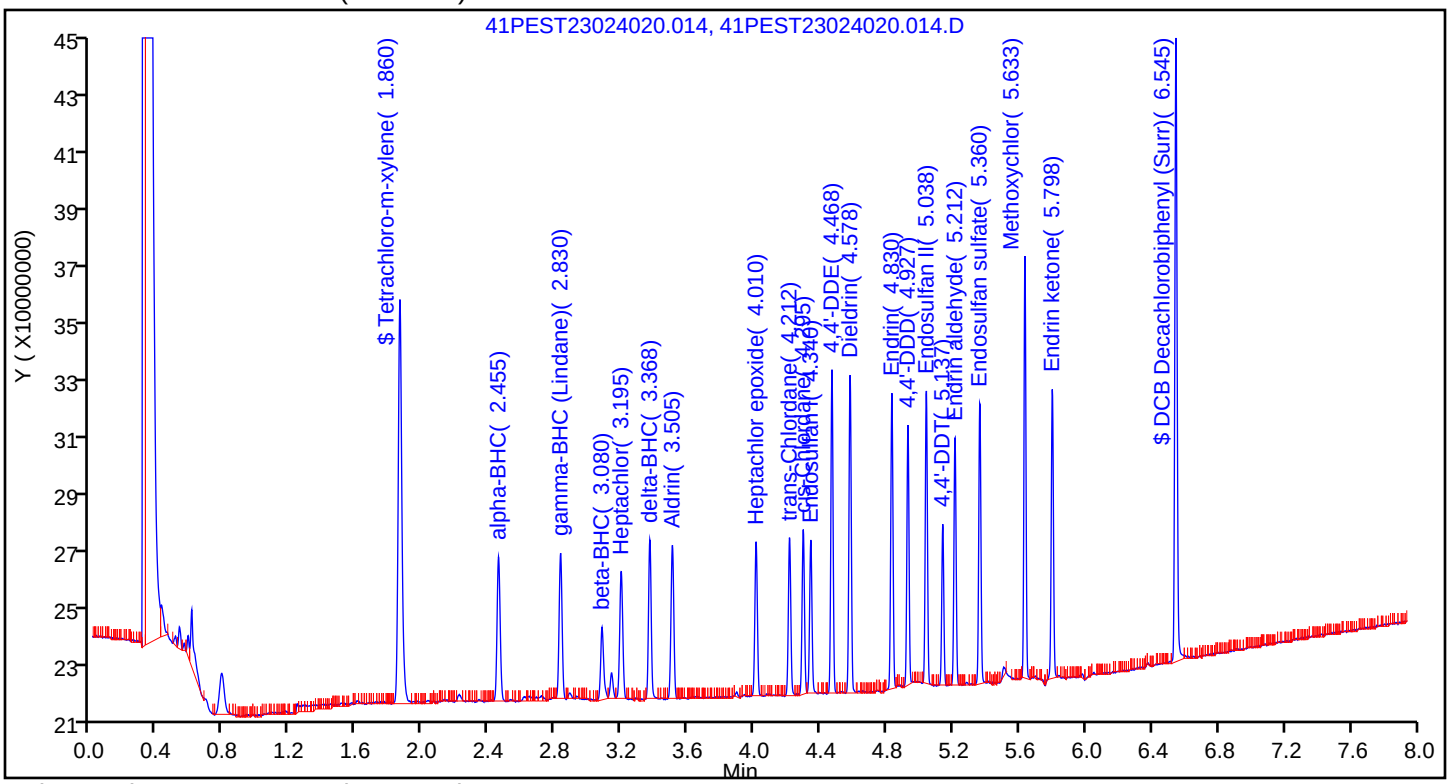
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 14

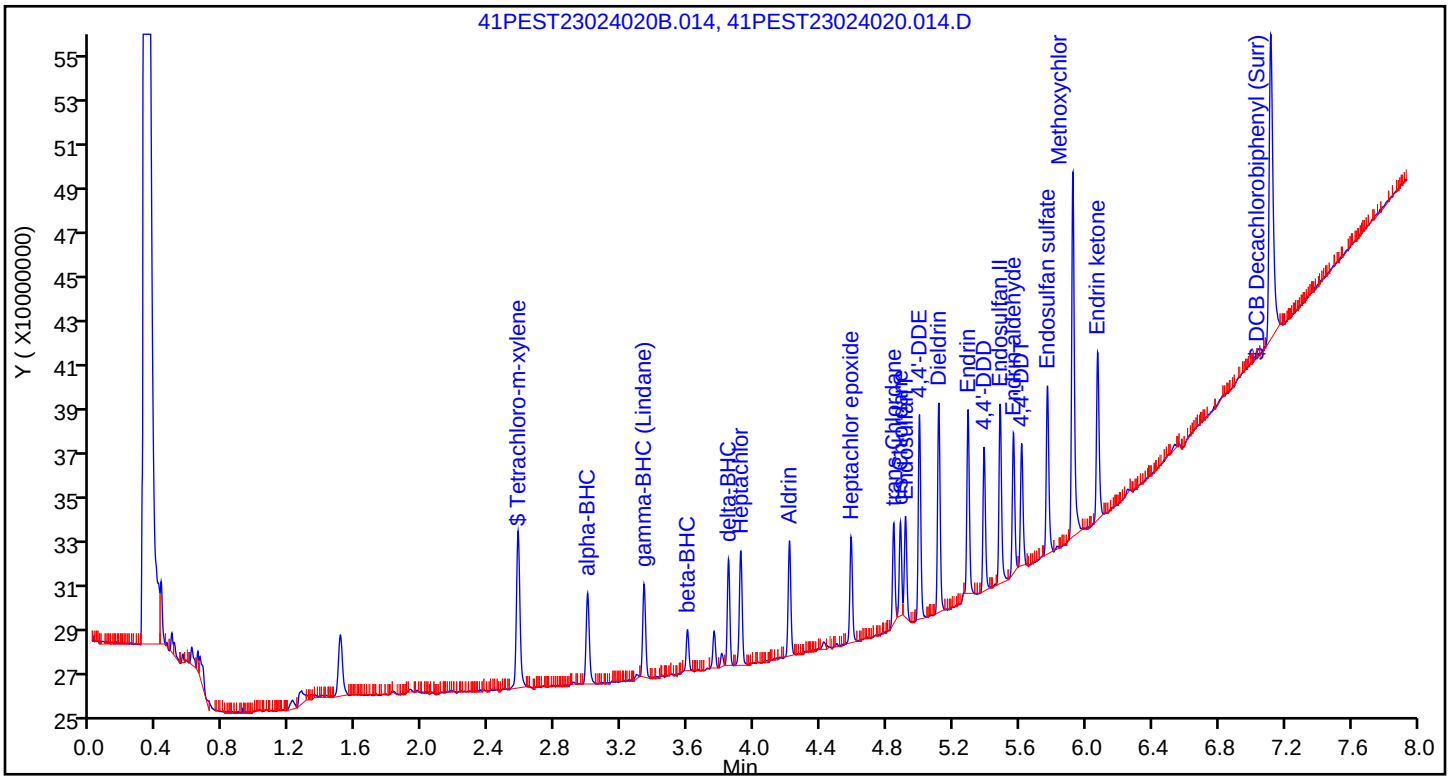
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.015.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2023 07:50:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:07 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.865	1.860	0.005	270532281H	4.02	4.28	
2	2.575	2.573	0.002	146647176H	4.02	4.18	
						RPD = 2.38	
2 alpha-BHC							
1	2.462	2.455	0.007	100577255H	1.00	1.05	
2	2.995	2.993	0.002	87590975H	1.00	0.9321	
						RPD = 12.28	
4 gamma-BHC (Lindane)							
1	2.833	2.828	0.005	95883820H	1.01	1.07	
2	3.337	3.335	0.002	90494992H	1.01	0.9682	
						RPD = 10.31	
5 beta-BHC							
1	3.085	3.080	0.005	48976507H	1.01	1.19	
2	3.598	3.597	0.001	37702042H	1.01	1.09	
						RPD = 8.64	
7 delta-BHC							
1	3.373	3.368	0.005	107986908H	1.00	1.04	
2	3.845	3.845	0.000	96854948H	1.00	0.8960	
						RPD = 15.25	
8 Heptachlor							
1	3.200	3.195	0.005	83245172H	1.00	1.07	
2	3.920	3.918	0.002	99470588H	1.00	0.9308	
						RPD = 13.49	
9 Aldrin							
1	3.508	3.505	0.003	103069915H	1.00	1.06	
2	4.213	4.212	0.001	104444257H	1.00	0.9378	
						RPD = 12.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.015	4.010	0.005	100383224H	1.01	1.08	
2	4.585	4.583	0.002	96300218H	1.01	0.9825	
						RPD = 9.76	
13 trans-Chlordane							
1	4.217	4.212	0.005	106094952H	1.00	1.08	
2	4.843	4.842	0.001	89807709H	1.00	0.9339	
						RPD = 14.88	
14 cis-Chlordane							
1	4.300	4.295	0.005	108383334H	1.01	1.10	
2	4.883	4.883	0.000	80745315H	1.01	0.8930	
						RPD = 20.74	
15 Endosulfan I							
1	4.345	4.340	0.005	101656373H	1.01	1.10	
2	4.913	4.913	0.000	84143090H	1.01	0.9210	
						RPD = 17.49	
16 4,4'-DDE							
1	4.473	4.468	0.005	208524028H	2.01	2.02	
2	4.998	4.997	0.001	195493495H	2.01	1.92	
						RPD = 5.06	
18 Dieldrin							
1	4.582	4.577	0.005	214901064H	2.00	2.07	
2	5.115	5.113	0.002	203462933H	2.00	1.89	
						RPD = 8.91	
19 Endrin							
1	4.835	4.830	0.005	192974694H	2.00	2.08	
2	5.292	5.290	0.002	175288552H	2.00	1.90	
						RPD = 9.46	
22 4,4'-DDD							
1	4.932	4.927	0.005	174418099H	2.00	2.04	
2	5.388	5.387	0.001	140346408H	2.00	1.89	
						RPD = 7.38	
23 Endosulfan II							
1	5.042	5.038	0.004	184513235H	2.00	2.01	
2	5.485	5.483	0.002	165452668H	2.00	1.95	
						RPD = 3.12	
25 Endrin aldehyde							
1	5.215	5.210	0.005	164640208H	2.00	2.16	
2	5.565	5.565	0.000	128825589H	2.00	1.99	
						RPD = 8.25	
26 4,4'-DDT							
1	5.142	5.137	0.005	107912047H	2.00	1.84	
2	5.615	5.613	0.002	112353056H	2.00	1.74	
						RPD = 5.89	
27 Endosulfan sulfate							
1	5.365	5.360	0.005	181378922H	2.00	2.12	
2	5.770	5.770	0.000	156832607H	2.00	2.02	
						RPD = 4.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.638	5.633	0.005	280083707H	10.1	9.33	
2	5.923	5.922	0.001	339270260H	10.1	9.48	
						RPD = 1.52	
29 Endrin ketone							
1	5.803	5.798	0.005	194374716H	2.01	2.09	
2	6.073	6.073	0.000	156433568H	2.01	1.97	
						RPD = 5.82	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.550	6.545	0.005	410143346H	4.02	4.39	
2	7.118	7.118	0.000	267331005H	4.02	4.33	
						RPD = 1.48	
S 32 Total DDTs							
1						1.84	
2						1.74	
						RPD = 5.89	
S 33 Endosulfan, Total							
1						3.11	
2						2.87	
						RPD = 7.97	

Reagents:

GCS_MIXA2_00008 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:08 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.015.D

Injection Date: 23-Feb-2023 07:50:00 Instrument ID: 9147

Lims ID: ic

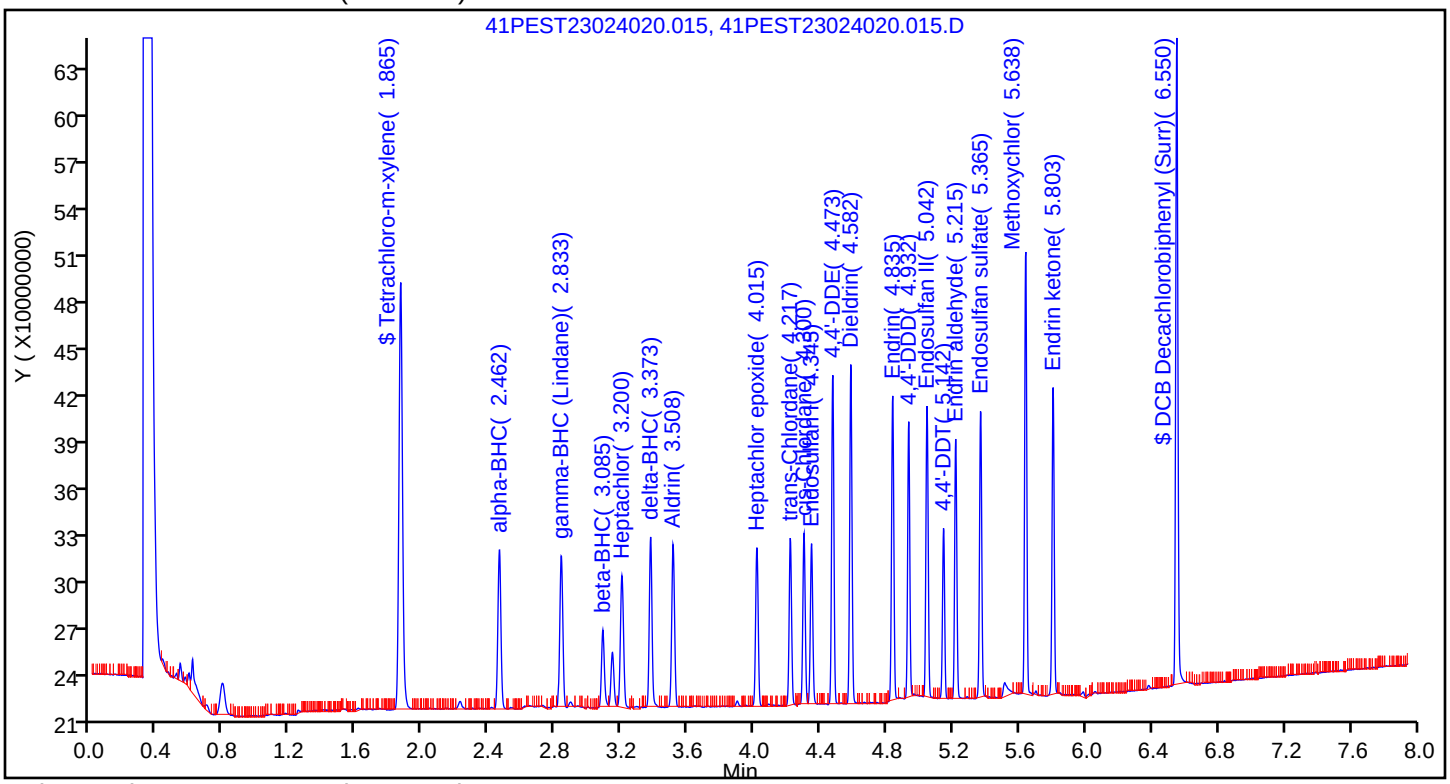
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 15

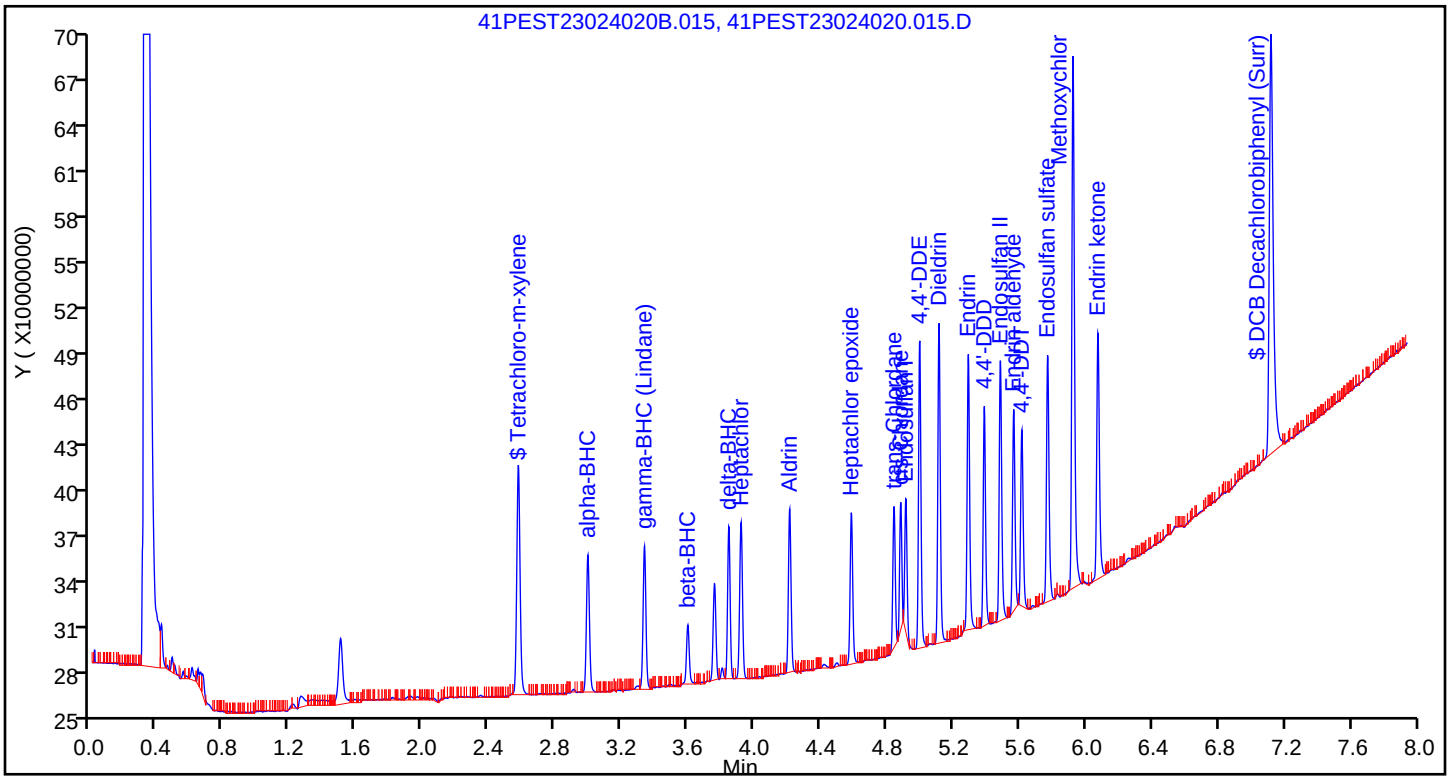
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.016.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2023 08:05:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:10 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

First Level Reviewer: WN7O Date: 24-Feb-2023 07:31:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.858	1.860	-0.002	1193674654H	20.1	18.9	
2	2.570	2.573	-0.003	672938768H	20.1	19.2	
						RPD = 1.54	
2 alpha-BHC							
1	2.455	2.455	0.000	441647180H	5.00	4.63	
2	2.990	2.993	-0.003	429596511H	5.00	4.57	
						RPD = 1.24	
4 gamma-BHC (Lindane)							
1	2.828	2.828	0.000	413194430H	5.06	4.63	
2	3.332	3.335	-0.003	440780586H	5.06	4.72	
						RPD = 1.93	
5 beta-BHC							
1	3.080	3.080	0.000	197339441H	5.06	4.78	
2	3.593	3.597	-0.004	165253145H	5.06	4.77	
						RPD = 0.23	
7 delta-BHC							
1	3.368	3.368	0.000	485940616H	5.00	4.70	
2	3.840	3.845	-0.005	499250018H	5.00	4.62	
						RPD = 1.70	
8 Heptachlor							
1	3.195	3.195	0.000	365379881H	5.00	4.68	
2	3.915	3.918	-0.003	496847584H	5.00	4.65	
						RPD = 0.59	
9 Aldrin							
1	3.503	3.505	-0.002	453652506H	5.00	4.69	
2	4.208	4.212	-0.004	514287943H	5.00	4.62	
						RPD = 1.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.010	4.010	0.000	450058912H	5.06	4.86	
2	4.580	4.583	-0.003	477741059H	5.06	4.87	
						RPD = 0.35	
13 trans-Chlordane							
1	4.212	4.212	0.000	455775858H	5.00	4.66	
2	4.838	4.842	-0.004	450448098H	5.00	4.68	
						RPD = 0.59	
14 cis-Chlordane							
1	4.295	4.295	0.000	463089383H	5.06	4.70	
2	4.878	4.883	-0.005	450971093H	5.06	4.99	
						RPD = 5.97	
15 Endosulfan I							
1	4.340	4.340	0.000	445496222H	5.06	4.81	
2	4.908	4.913	-0.005	444603601H	5.06	4.87	
						RPD = 1.17	
16 4,4'-DDE							
1	4.468	4.468	0.000	982594774H	10.1	9.52	
2	4.993	4.997	-0.004	957747691H	10.1	9.41	
						RPD = 1.17	
18 Dieldrin							
1	4.577	4.577	0.000	988534362H	10.0	9.53	
2	5.110	5.113	-0.003	1026154896H	10.0	9.55	
						RPD = 0.29	
19 Endrin							
1	4.830	4.830	0.000	883662172H	10.0	9.54	
2	5.287	5.290	-0.003	857447099H	10.0	9.27	
						RPD = 2.87	
22 4,4'-DDD							
1	4.927	4.927	0.000	812937108H	10.0	9.51	
2	5.383	5.387	-0.004	692323058H	10.0	9.34	
						RPD = 1.71	
23 Endosulfan II							
1	5.037	5.038	-0.001	856964408H	10.0	9.35	
2	5.480	5.483	-0.003	793059673H	10.0	9.35	
						RPD = 0.04	
25 Endrin aldehyde							
1	5.210	5.210	0.000	702484637H	10.0	9.23	
2	5.560	5.565	-0.005	600230411H	10.0	9.28	
						RPD = 0.55	
26 4,4'-DDT							
1	5.137	5.137	0.000	538573194H	10.0	9.20	
2	5.610	5.613	-0.003	603907387H	10.0	9.34	
						RPD = 1.52	
27 Endosulfan sulfate							
1	5.362	5.360	0.002	791698819H	10.0	9.27	
2	5.765	5.770	-0.005	737764722H	10.0	9.51	
						RPD = 2.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	1443630749H	50.4	48.1	
2	5.918	5.922	-0.004	1694064389H	50.4	47.3	
						RPD = 1.65	
29 Endrin ketone							
1	5.798	5.798	0.000	880906497H	10.1	9.46	
2	6.068	6.073	-0.005	751038883H	10.1	9.45	
						RPD = 0.06	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	1708081782H	20.1	18.3	
2	7.115	7.118	-0.003	1148380932H	20.1	18.6	
						RPD = 1.62	
S 32 Total DDTs							
1						9.20	
2						9.34	
						RPD = 1.52	
S 33 Endosulfan, Total							
1						14.2	
2						14.2	
						RPD = 0.42	

Reagents:

GCS_MIXA3_00009 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:11 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.016.D

Injection Date: 23-Feb-2023 08:05:00 Instrument ID: 9147

Lims ID: ic

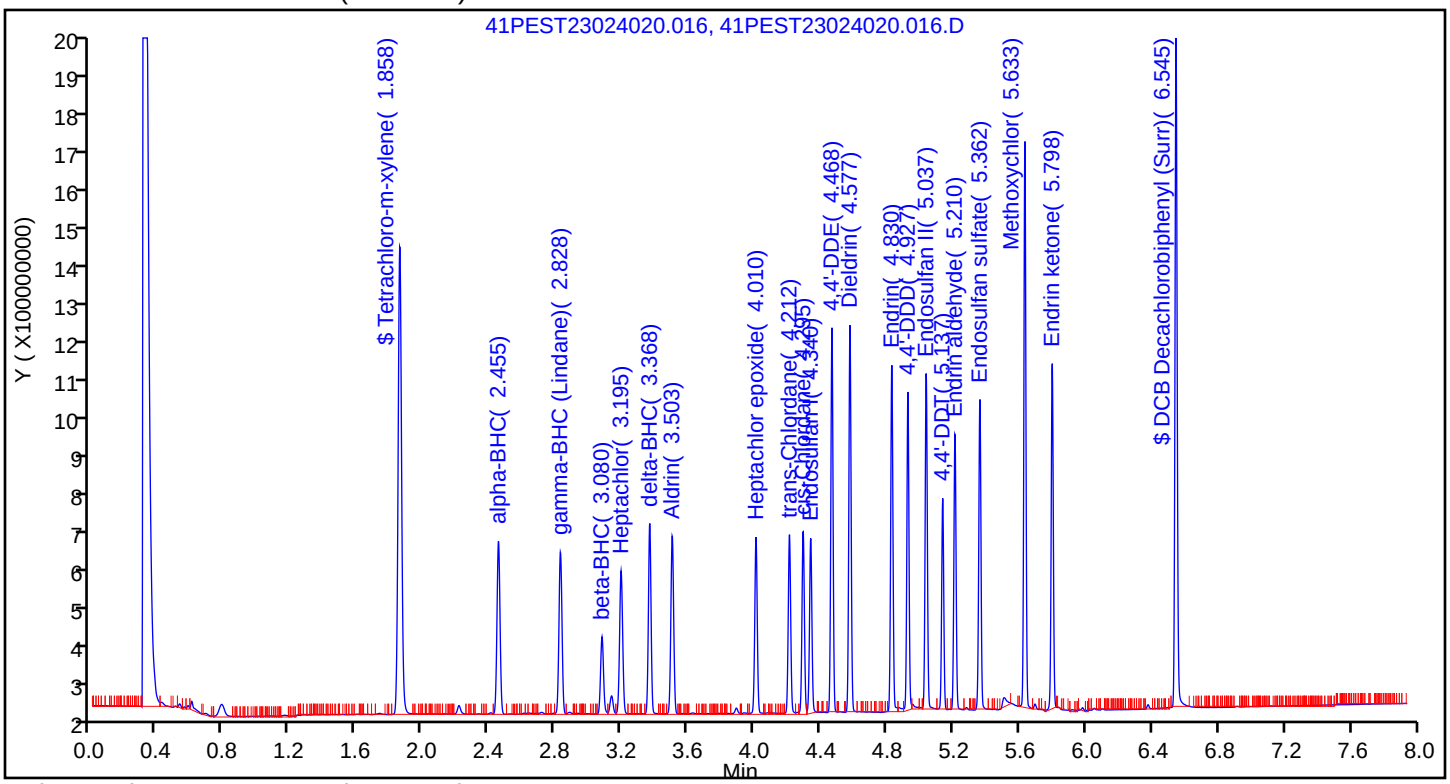
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 16

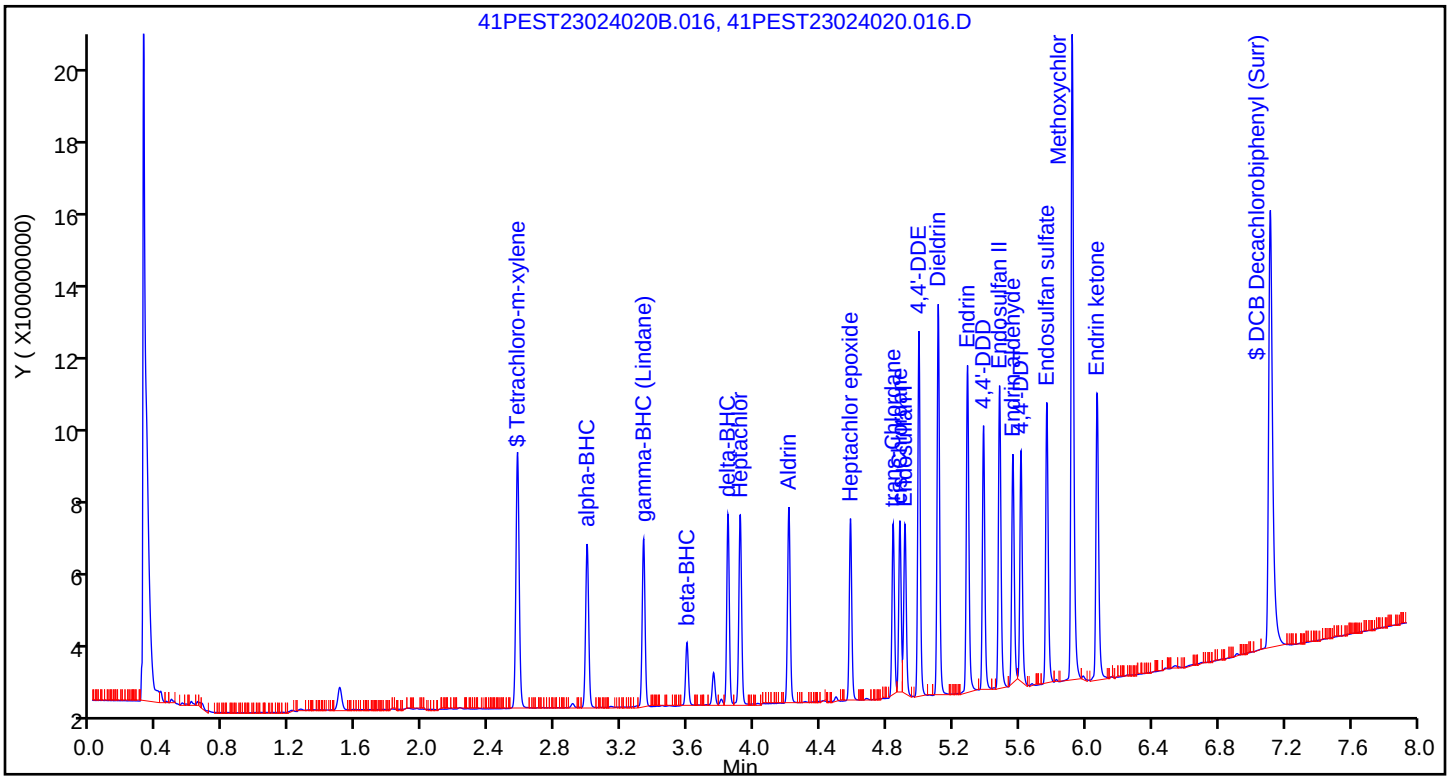
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.017.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 23-Feb-2023 08:20:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:13 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

First Level Reviewer: UAMZ Date: 23-Feb-2023 11:11:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.860	1.860	0.000	2466870156H	40.2	39.1	
2	2.573	2.573	0.000	1393804846H	40.2	39.7	
						RPD = 1.76	
2 alpha-BHC							
1	2.455	2.455	0.000	918202028H	10.0	9.62	
2	2.993	2.993	0.000	983291823H	10.0	10.5	
						RPD = 8.37	
4 gamma-BHC (Lindane)							
1	2.828	2.828	0.000	871515342H	10.1	9.76	
2	3.335	3.335	0.000	971842362H	10.1	10.4	
						RPD = 6.36	
5 beta-BHC							
1	3.080	3.080	0.000	386907852H	10.1	9.37	
2	3.597	3.597	0.000	336109190H	10.1	9.70	
						RPD = 3.44	
7 delta-BHC							
1	3.368	3.368	0.000	1010154432H	10.0	9.76	
2	3.845	3.845	0.000	1132645050H	10.0	10.5	
						RPD = 7.04	
8 Heptachlor							
1	3.195	3.195	0.000	747244581H	10.0	9.56	
2	3.918	3.918	0.000	1093981568H	10.0	10.2	
						RPD = 6.80	
9 Aldrin							
1	3.505	3.505	0.000	919939268H	10.0	9.50	
2	4.212	4.212	0.000	1149506209H	10.0	10.3	
						RPD = 8.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.010	4.010	0.000	891312716H	10.1	9.62	
2	4.583	4.583	0.000	1007575808H	10.1	10.3	
						RPD = 6.64	
13 trans-Chlordane							
1	4.212	4.212	0.000	932999855H	10.0	9.53	
2	4.842	4.842	0.000	996964375H	10.0	10.4	
						RPD = 8.39	
14 cis-Chlordane							
1	4.295	4.295	0.000	949424246H	10.1	9.63	
2	4.883	4.883	0.000	963692357H	10.1	10.7	
						RPD = 10.11	
15 Endosulfan I							
1	4.340	4.340	0.000	896482674H	10.1	9.68	
2	4.913	4.913	0.000	947641758H	10.1	10.4	
						RPD = 6.92	
16 4,4'-DDE							
1	4.468	4.468	0.000	2036279453H	20.1	19.7	
2	4.997	4.997	0.000	2099923380H	20.1	20.6	
						RPD = 4.47	
18 Dieldrin							
1	4.577	4.577	0.000	2048945263H	20.0	19.7	
2	5.113	5.113	0.000	2233747427H	20.0	20.8	
						RPD = 5.19	
19 Endrin							
1	4.830	4.830	0.000	1808780911H	20.0	19.5	
2	5.290	5.290	0.000	1902487045H	20.0	20.6	
						RPD = 5.19	
22 4,4'-DDD							
1	4.927	4.927	0.000	1704094565H	20.0	19.9	
2	5.387	5.387	0.000	1549573113H	20.0	20.9	
						RPD = 4.85	
23 Endosulfan II							
1	5.038	5.038	0.000	1782334821H	20.0	19.4	
2	5.483	5.483	0.000	1719833889H	20.0	20.3	
						RPD = 4.22	
25 Endrin aldehyde							
1	5.210	5.210	0.000	1429250283H	20.0	18.8	
2	5.565	5.565	0.000	1273858108H	20.0	19.7	
						RPD = 4.77	
26 4,4'-DDT							
1	5.137	5.137	0.000	1175596225H	20.0	20.1	
2	5.613	5.613	0.000	1355926713H	20.0	21.0	
						RPD = 4.34	
27 Endosulfan sulfate							
1	5.360	5.360	0.000	1619564111H	20.0	19.0	
2	5.770	5.770	0.000	1529667736H	20.0	19.7	
						RPD = 3.84	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	3195356565H	100.8	106.5	
2	5.922	5.922	0.000	3681968469H	100.8	102.9	
						RPD = 3.47	
29 Endrin ketone							
1	5.798	5.798	0.000	1861089476H	20.1	20.0	
2	6.073	6.073	0.000	1622920621H	20.1	20.4	
						RPD = 2.20	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	3536179135H	40.2	37.9	
2	7.118	7.118	0.000	2364021204H	40.2	38.3	
						RPD = 1.06	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:14 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.017.D

Injection Date: 23-Feb-2023 08:20:00 Instrument ID: 9147

Lims ID: icrt

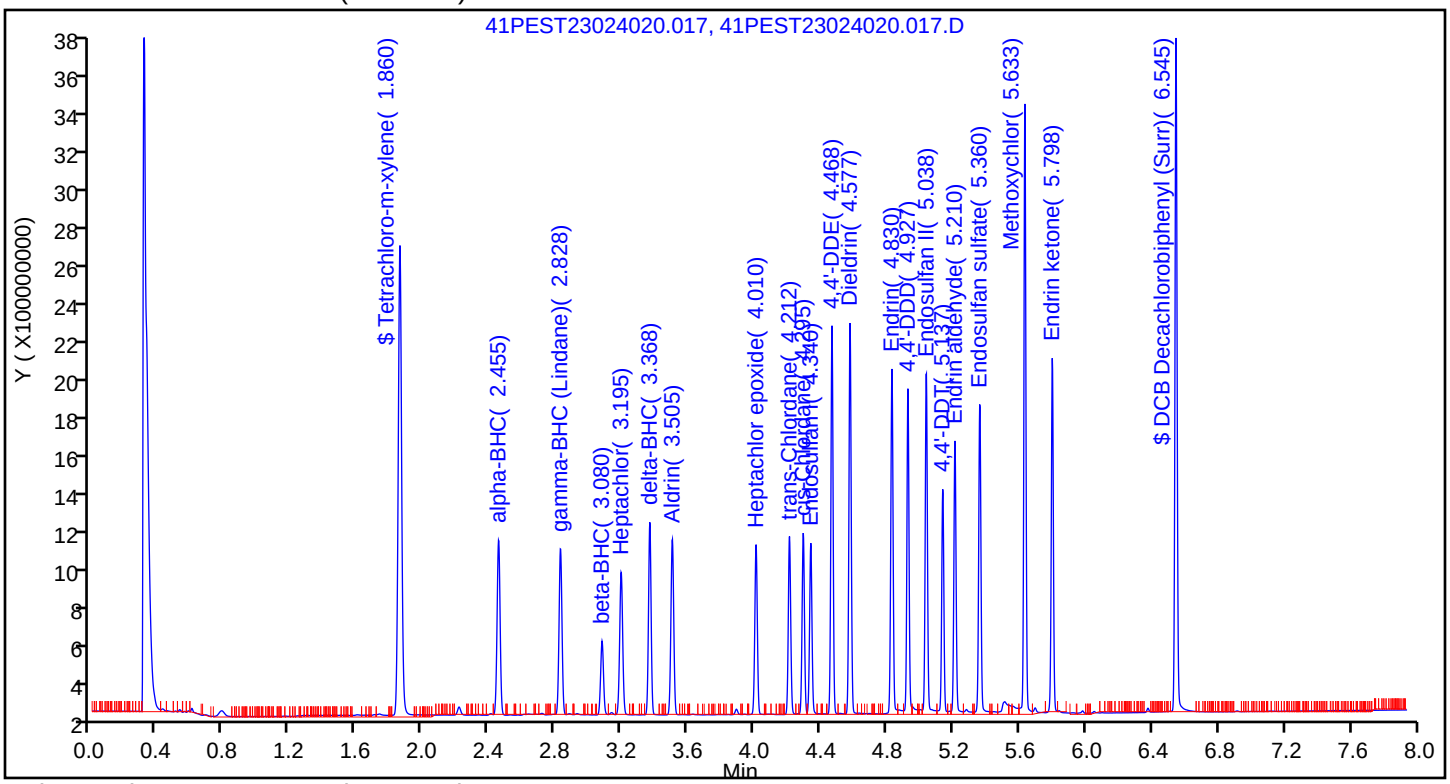
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

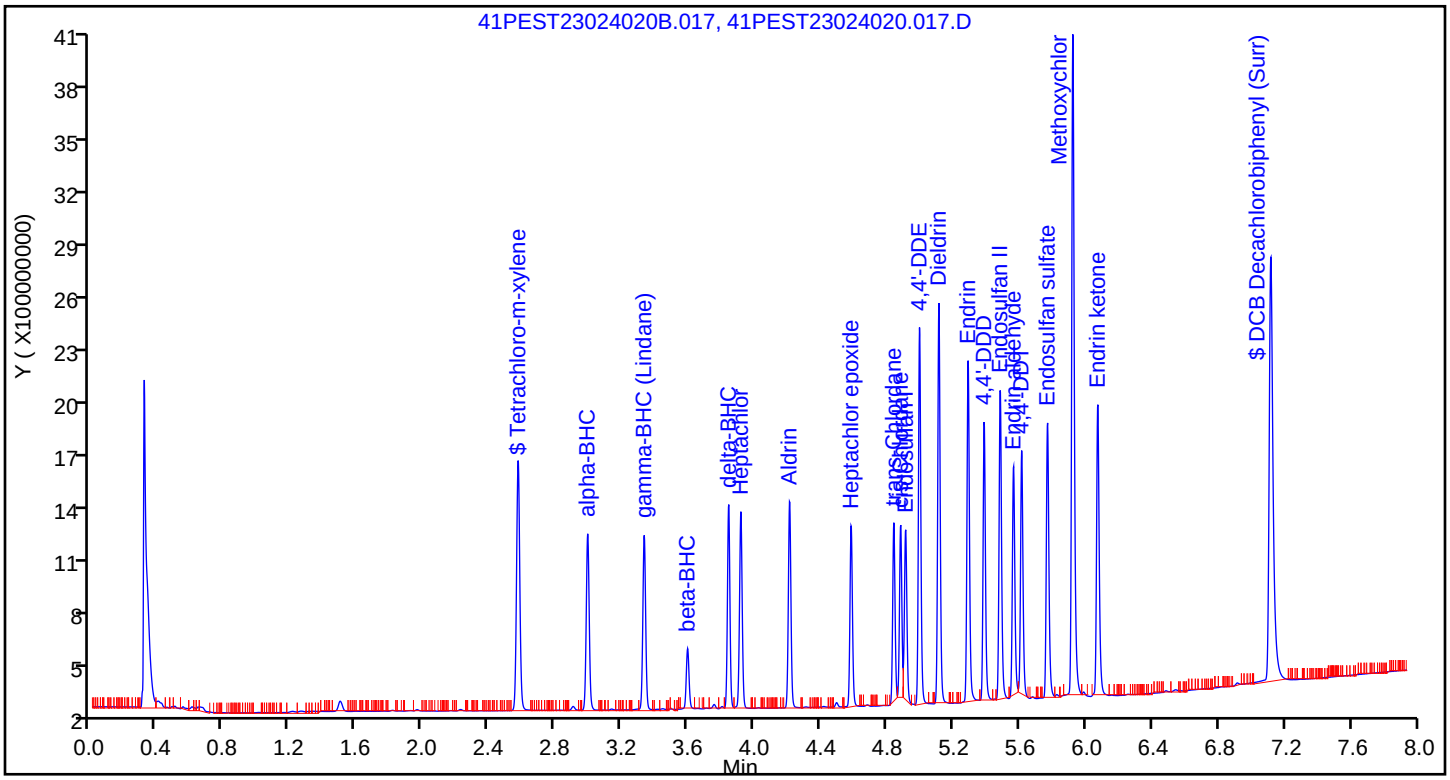
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.018.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 23-Feb-2023 08:34:00 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:17 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.860	0.003	3779826823H	61.0	59.8	
2	2.577	2.573	0.004	2154625704H	61.0	61.4	
						RPD = 2.65	
2 alpha-BHC							
1	2.458	2.455	0.003	1506700700H	15.2	15.8	
2	2.997	2.993	0.004	1577563574H	15.2	16.8	
						RPD = 6.12	
4 gamma-BHC (Lindane)							
1	2.833	2.828	0.005	1390309796H	15.4	15.6	
2	3.338	3.335	0.003	1580415113H	15.4	16.9	
						RPD = 8.28	
5 beta-BHC							
1	3.083	3.080	0.003	576716593H	15.4	14.0	
2	3.598	3.597	0.001	529776670H	15.4	15.3	
						RPD = 9.02	
7 delta-BHC							
1	3.372	3.368	0.004	1611891139H	15.2	15.6	
2	3.847	3.845	0.002	1858644043H	15.2	17.2	
						RPD = 9.84	
8 Heptachlor							
1	3.198	3.195	0.003	1168115702H	15.2	15.0	
2	3.922	3.918	0.004	1727642865H	15.2	16.2	
						RPD = 7.81	
9 Aldrin							
1	3.508	3.505	0.003	1451321383H	15.2	15.0	
2	4.215	4.212	0.003	1836436580H	15.2	16.5	
						RPD = 9.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.013	4.010	0.003	1391373892H	15.4	15.0	
2	4.588	4.583	0.005	1557180134H	15.4	15.9	
						RPD = 5.64	
13 trans-Chlordane							
1	4.215	4.212	0.003	1434782926H	15.2	14.7	
2	4.845	4.842	0.003	1548692251H	15.2	16.1	
						RPD = 9.39	
14 cis-Chlordane							
1	4.298	4.295	0.003	1458292389H	15.4	14.8	
2	4.885	4.883	0.002	1485105683H	15.4	16.4	
						RPD = 10.44	
15 Endosulfan I							
1	4.343	4.340	0.003	1372016988H	15.4	14.8	
2	4.917	4.913	0.004	1507139273H	15.4	16.5	
						RPD = 10.75	
16 4,4'-DDE							
1	4.472	4.468	0.004	3206992247H	30.6	31.1	
2	5.000	4.997	0.003	3405002538H	30.6	33.4	
						RPD = 7.38	
18 Dieldrin							
1	4.582	4.577	0.005	3107822718H	30.4	29.9	
2	5.117	5.113	0.004	3560089671H	30.4	33.1	
						RPD = 10.13	
19 Endrin							
1	4.833	4.830	0.003	2780935445H	30.4	30.0	
2	5.293	5.290	0.003	3109087590H	30.4	33.6	
						RPD = 11.29	
22 4,4'-DDD							
1	4.930	4.927	0.003	2539412554H	30.4	29.7	
2	5.390	5.387	0.003	2455489197H	30.4	33.1	
						RPD = 10.98	
23 Endosulfan II							
1	5.042	5.038	0.004	2805794212H	30.4	30.6	
2	5.488	5.483	0.005	2745364066H	30.4	32.4	
						RPD = 5.61	
25 Endrin aldehyde							
1	5.213	5.210	0.003	2268895674H	30.4	29.8	
2	5.568	5.565	0.003	2064912764H	30.4	31.9	
						RPD = 6.85	
26 4,4'-DDT							
1	5.140	5.137	0.003	1954143514H	30.4	33.4	
2	5.617	5.613	0.004	2219106536H	30.4	34.3	
						RPD = 2.79	
27 Endosulfan sulfate							
1	5.365	5.360	0.005	2567446791H	30.4	30.1	
2	5.773	5.770	0.003	2452457537H	30.4	31.6	
						RPD = 4.97	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.637	5.633	0.004	4881679793H	153.1	162.7	
2	5.927	5.922	0.005	5981551424H	153.1	167.1	
						RPD = 2.67	
29 Endrin ketone							
1	5.802	5.798	0.004	2844471902H	30.6	30.5	
2	6.077	6.073	0.004	2586499901H	30.6	32.6	
						RPD = 6.38	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.548	6.545	0.003	5641426712H	61.0	60.4	
2	7.122	7.118	0.004	3690703367H	61.0	59.7	
						RPD = 1.11	
S 32 Total DDTs							
1						33.4	
2						34.3	
						RPD = 2.79	
S 33 Endosulfan, Total							
1						45.4	
2						48.9	
						RPD = 7.32	

Reagents:

GCS_MIXA5_00012 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:17 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.018.D

Injection Date: 23-Feb-2023 08:34:00 Instrument ID: 9147

Lims ID: ic

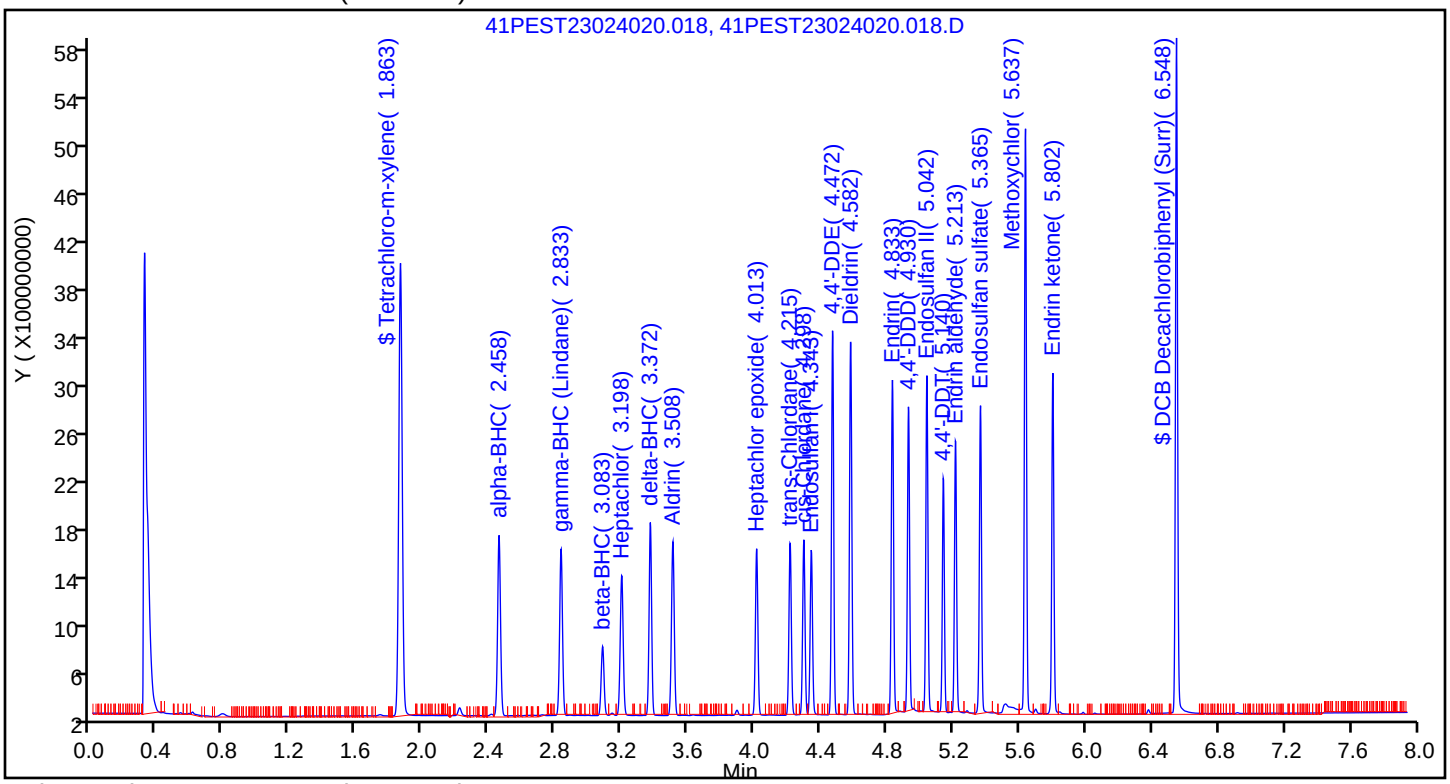
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 18

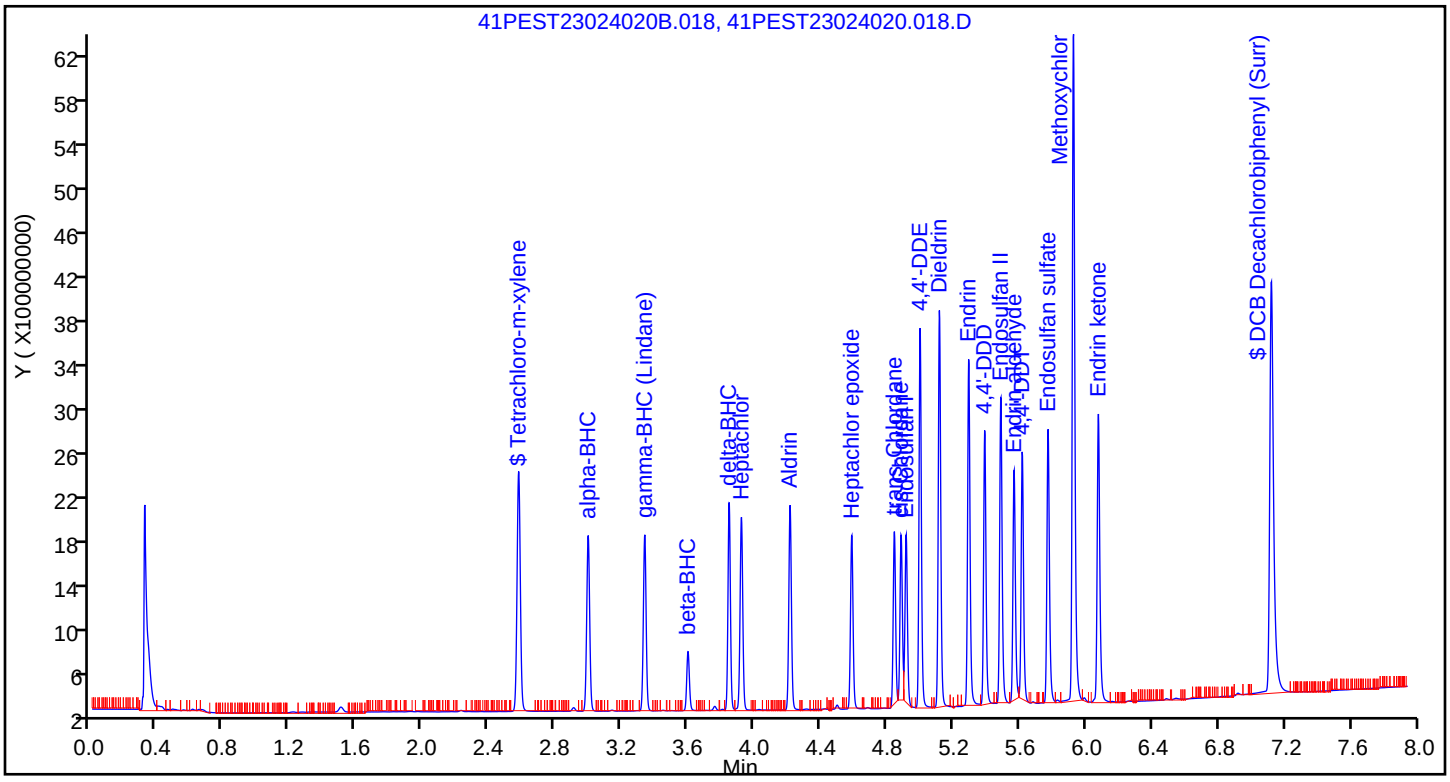
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 23-Feb-2023 08:49:00 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:20 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.860	1.860	0.000	4939631156H	80.3	78.2	
2	2.573	2.573	0.000	2852319430H	80.3	81.3	
						RPD = 3.94	
2 alpha-BHC							
1	2.455	2.455	0.000	1917417719H	20.0	20.1	
2	2.993	2.993	0.000	2147778354H	20.0	22.9	
						RPD = 12.85	
4 gamma-BHC (Lindane)							
1	2.828	2.828	0.000	1753276502H	20.3	19.6	
2	3.333	3.335	-0.002	2100596486H	20.3	22.5	
						RPD = 13.52	
5 beta-BHC							
1	3.078	3.080	-0.002	749387749H	20.3	18.1	
2	3.595	3.597	-0.002	688075813H	20.3	19.9	
						RPD = 8.97	
7 delta-BHC							
1	3.367	3.368	-0.001	2034741473H	20.0	19.7	
2	3.843	3.845	-0.002	2433717636H	20.0	22.5	
						RPD = 13.49	
8 Heptachlor							
1	3.195	3.195	0.000	1508416046H	20.0	19.3	
2	3.917	3.918	-0.001	2350200851H	20.0	22.0	
						RPD = 13.01	
9 Aldrin							
1	3.503	3.505	-0.002	1928833998H	20.0	19.9	
2	4.212	4.212	0.000	2431693114H	20.0	21.8	
						RPD = 9.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.008	4.010	-0.002	1770945999H	20.3	19.1	
2	4.583	4.583	0.000	2119094964H	20.3	21.6	
						RPD = 12.31	
13 trans-Chlordane							
1	4.210	4.212	-0.002	1930139755H	20.0	19.7	
2	4.840	4.842	-0.002	2126853118H	20.0	22.1	
						RPD = 11.45	
14 cis-Chlordane							
1	4.293	4.295	-0.002	1929970231H	20.3	19.6	
2	4.882	4.883	-0.001	2021337137H	20.3	22.4	
						RPD = 13.23	
15 Endosulfan I							
1	4.338	4.340	-0.002	1776168788H	20.3	19.2	
2	4.912	4.913	-0.001	1965235878H	20.3	21.5	
						RPD = 11.47	
16 4,4'-DDE							
1	4.467	4.468	-0.001	4197695839H	40.3	40.7	
2	4.995	4.997	-0.002	4499944423H	40.3	44.2	
						RPD = 8.34	
18 Dieldrin							
1	4.577	4.577	0.000	4208972311H	40.0	40.6	
2	5.113	5.113	0.000	4708395908H	40.0	43.8	
						RPD = 7.77	
19 Endrin							
1	4.828	4.830	-0.002	3609665574H	40.0	39.0	
2	5.290	5.290	0.000	4085157915H	40.0	44.2	
						RPD = 12.50	
22 4,4'-DDD							
1	4.925	4.927	-0.002	3558000558H	40.0	41.6	
2	5.385	5.387	-0.002	3303229124H	40.0	44.6	
						RPD = 6.92	
23 Endosulfan II							
1	5.037	5.038	-0.001	3705942810H	40.0	40.4	
2	5.483	5.483	0.000	3628633503H	40.0	42.8	
						RPD = 5.68	
25 Endrin aldehyde							
1	5.210	5.210	0.000	3004244168H	40.0	39.5	
2	5.563	5.565	-0.002	2774456317H	40.0	42.9	
						RPD = 8.32	
26 4,4'-DDT							
1	5.137	5.137	0.000	2651298103H	40.0	45.3	
2	5.612	5.613	-0.001	3029862529H	40.0	46.9	
						RPD = 3.42	
27 Endosulfan sulfate							
1	5.360	5.360	0.000	3322970108H	40.0	38.9	
2	5.768	5.770	-0.002	3256055003H	40.0	42.0	
						RPD = 7.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.632	5.633	-0.001	6426585479H	201.5	214.2	
2	5.922	5.922	0.000	7973338159H	201.5	222.7	
						RPD = 3.92	
29 Endrin ketone							
1	5.797	5.798	-0.001	3740053938H	40.3	40.2	
2	6.072	6.073	-0.001	3420762591H	40.3	43.1	
						RPD = 6.97	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.543	6.545	-0.002	7141742577H	80.3	76.4	
2	7.117	7.118	-0.001	4822793985H	80.3	78.0	
						RPD = 2.07	
S 32 Total DDTs							
1						45.3	
2						46.9	
						RPD = 3.42	
S 33 Endosulfan, Total							
1						59.6	
2						64.3	
						RPD = 7.58	

Reagents:

GCS_MIXA6_00008 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:21 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Injection Date: 23-Feb-2023 08:49:00 Instrument ID: 9147

Lims ID: ic

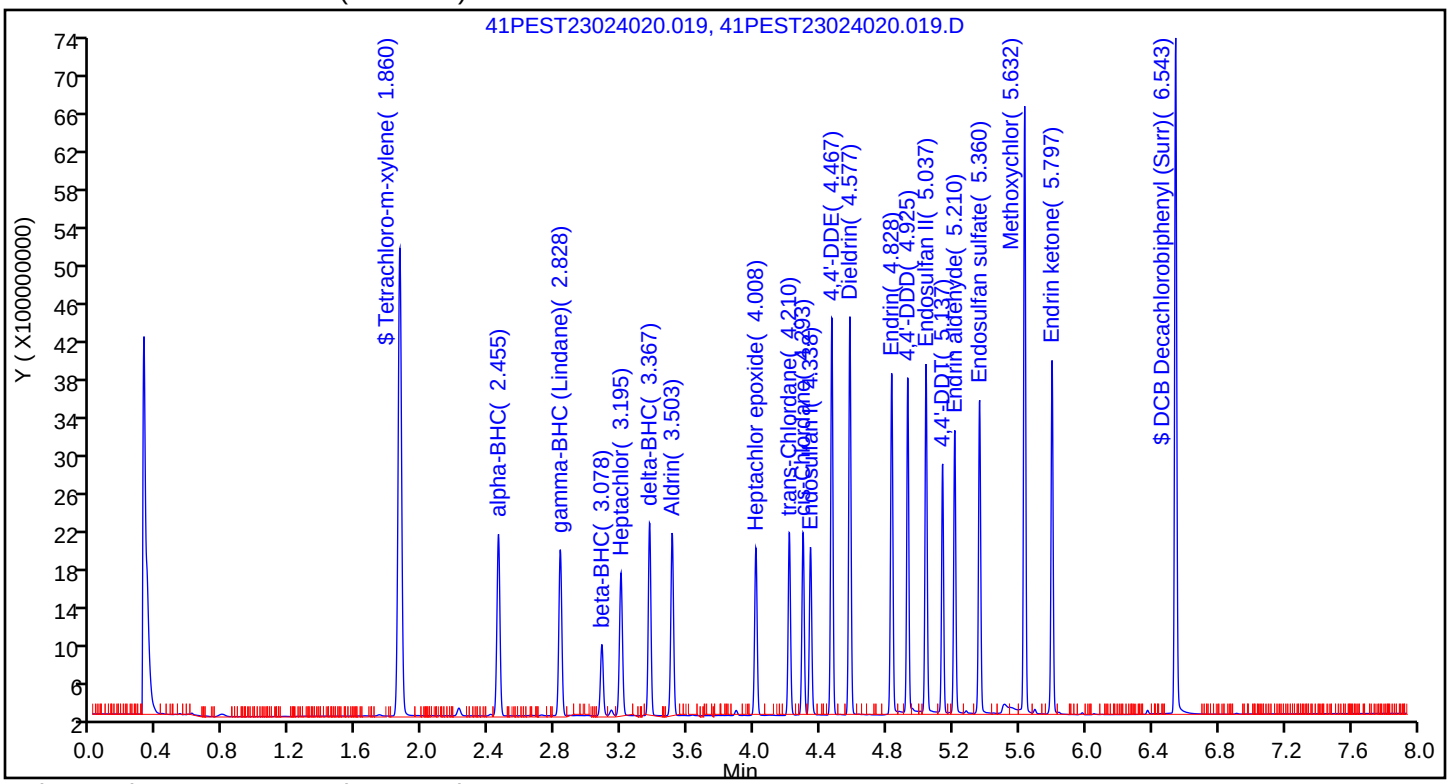
Client ID:

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

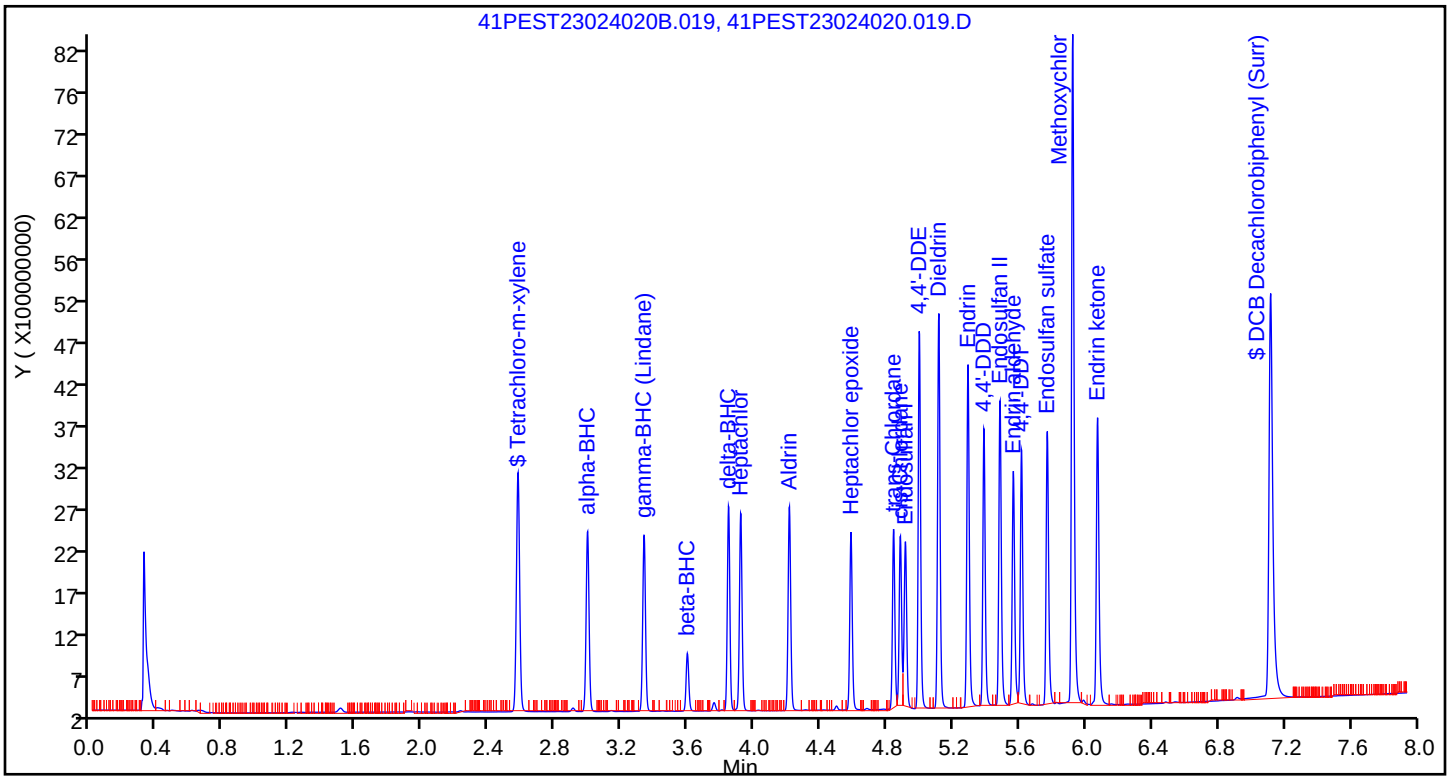
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47492

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-347154/14	41PEST23024020.014.D
Level 2	IC 410-347154/15	41PEST23024020.015.D
Level 3	IC 410-347154/16	41PEST23024020.016.D
Level 4	ICRT 410-347154/17	41PEST23024020.017.D
Level 5	IC 410-347154/18	41PEST23024020.018.D
Level 6	IC 410-347154/19	41PEST23024020.019.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	2.993	2.995	2.990	2.993	2.997	2.993					2.963 - 3.023	2.994
gamma-BHC (Lindane)	3.333	3.337	3.332	3.335	3.338	3.333					3.305 - 3.365	3.335
beta-BHC	3.597	3.598	3.593	3.597	3.598	3.595					3.567 - 3.627	3.596
delta-BHC	3.843	3.845	3.840	3.845	3.847	3.843					3.815 - 3.875	3.844
Heptachlor	3.918	3.920	3.915	3.918	3.922	3.917					3.888 - 3.948	3.918
Aldrin	4.212	4.213	4.208	4.212	4.215	4.212					4.182 - 4.242	4.212
Heptachlor epoxide	4.583	4.585	4.580	4.583	4.588	4.583					4.553 - 4.613	4.584
gamma-Chlordane	4.842	4.843	4.838	4.842	4.845	4.840					4.812 - 4.872	4.842
alpha-Chlordane	4.882	4.883	4.878	4.883	4.885	4.882					4.853 - 4.913	4.882
Endosulfan I	4.913	4.913	4.908	4.913	4.917	4.912					4.883 - 4.943	4.913
p,p'-DDE	4.997	4.998	4.993	4.997	5.000	4.995					4.967 - 5.027	4.997
Dieldrin	5.113	5.115	5.110	5.113	5.117	5.113					5.083 - 5.143	5.114
Endrin	5.290	5.292	5.287	5.290	5.293	5.290					5.260 - 5.320	5.290
p,p'-DDD	5.387	5.388	5.383	5.387	5.390	5.385					5.357 - 5.417	5.387
Endosulfan II	5.483	5.485	5.480	5.483	5.488	5.483					5.453 - 5.513	5.484
Endrin aldehyde	5.563	5.565	5.560	5.565	5.568	5.563					5.535 - 5.595	5.564
p,p'-DDT	5.613	5.615	5.610	5.613	5.617	5.612					5.583 - 5.643	5.613
Endosulfan sulfate	5.770	5.770	5.765	5.770	5.773	5.768					5.740 - 5.800	5.769
Methoxychlor	5.923	5.923	5.918	5.922	5.927	5.922					5.892 - 5.952	5.923
Endrin ketone	6.072	6.073	6.068	6.073	6.077	6.072					6.043 - 6.103	6.073
Tetrachloro-m-xylene (Surr)	2.573	2.575	2.570	2.573	2.577	2.573					2.543 - 2.603	2.574
DCB Decachlorobiphenyl (Surr)	7.117	7.118	7.115	7.118	7.122	7.117					7.088 - 7.148	7.118

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47492

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-347154/14	41PEST23024020.014.D
Level 2	IC 410-347154/15	41PEST23024020.015.D
Level 3	IC 410-347154/16	41PEST23024020.016.D
Level 4	ICRT 410-347154/17	41PEST23024020.017.D
Level 5	IC 410-347154/18	41PEST23024020.018.D
Level 6	IC 410-347154/19	41PEST23024020.019.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	80796591 103787077	87590975 107388918	85919302	98329182	Ave		93968674.2				11.4		20.0			
gamma-BHC (Lindane)	81957752 102691040	89377770 103733160	87067770	95984431	Ave		93468653.8				9.4		20.0			
beta-BHC	36466890 34423435	37236585 33979052	32642597	33195969	Ave		34657421.4				5.3		20.0			
delta-BHC	94663948 122279213	96854948 121685882	99850004	113264505	Ave		108099750				11.6		20.0			
Heptachlor	101758962 113660715	99470588 117510043	99369517	109398157	Ave		106861330				7.3		20.0			
Aldrin	103605427 120818196	104444257 121584656	102857589	114950621	Ave		111376791				7.9		20.0			
Heptachlor epoxide	93289164 101181295	95111326 104646665	94368604	99513660	Ave		98018452.4				4.6		20.0			
gamma-Chlordane	89153895 101887648	89807709 106342656	90089620	99696438	Ave		96162994.2				7.7		20.0			
alpha-Chlordane	82188986 96498095	79748459 99819118	89080710	95179492	Ave		90419143.4				9.0		20.0			
Endosulfan I	88645506 97929777	83104286 97048685	87822934	93594248	Ave		91357572.7				6.4		20.0			
p,p'-DDE	91037344 111310969	97139625 111799861	95179895	104344019	Ave		101801952				8.5		20.0			
Dieldrin	93565052 117108213	101731467 117709898	102615490	111687371	Ave		107402915				9.0		20.0			
Endrin	82050907 102272618	87644276 102128948	85744710	95124352	Ave		92494301.9				9.3		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47492

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
p,p'-DDD	64305788 80772671	70173204 82580728	69232306	77478656	Ave		74090558.8				9.8		20.0			
Endosulfan II	79915553 90308028	82726334 90715838	79305967	85991694	Ave		84827235.9				5.9		20.0			
Endrin aldehyde	62567856 67924762	64412795 69361408	60023041	63692905	Ave		64663794.5				5.3		20.0			
p,p'-DDT	54816319 72996926	56176528 75746563	60390739	67796336	Ave		64653901.6				13.6		20.0			
Endosulfan sulfate	74801410 80672945	78416304 81401375	73776472	76483387	Ave		77591982.2				4.0		20.0			
Methoxychlor	32303061 39059367	33674467 39569916	33629070	36545593	Ave		35796912.3				8.6		20.0			
Endrin ketone	74108154 84553773	77730965 84987890	74637405	80642018	Ave		79443367.5				6.0		20.0			
Tetrachloro-m-xylene (Surr)	34855718 35296736	36515731 35511945	33512887	34706296	Ave		35066552.2				2.8		20.0			
DCB Decachlorobiphenyl (Surr)	67646058 60460516	66566485 60044746	57190285	58865070	Ave		61795526.8				6.9		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47492

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-347154/14	41PEST23024020.014.D
Level 2	IC 410-347154/15	41PEST23024020.015.D
Level 3	IC 410-347154/16	41PEST23024020.016.D
Level 4	ICRT 410-347154/17	41PEST23024020.017.D
Level 5	IC 410-347154/18	41PEST23024020.018.D
Level 6	IC 410-347154/19	41PEST23024020.019.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	40075109 2147778354	87590975	429596511	983291823	1577563574	0.496 20.0	1.00	5.00	10.0	15.2
gamma-BHC (Lindane)	Ave	41159183 2100596486	90494992	440780586	971842362	1580415113	0.502 20.3	1.01	5.06	10.1	15.4
beta-BHC	Ave	18313672 688075813	37702042	165253145	336109190	529776670	0.502 20.3	1.01	5.06	10.1	15.4
delta-BHC	Ave	46953318 2433717636	96854948	499250018	1132645050	1858644043	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor	Ave	50472445 2350200851	99470588	496847584	1093981568	1727642865	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	51388292 2431693114	104444257	514287943	1149506209	1836436580	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	46849818 2119094964	96300218	477741059	1007575808	1557180134	0.502 20.3	1.01	5.06	10.1	15.4
gamma-Chlordane	Ave	44220332	89807709	450448098	996964375	1548692251	0.496	1.00	5.00	10.0	15.2

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Env Job No.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47492

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
		2126853118					20.0				
alpha-Chlordane	Ave	41275309 2021337137	80745315	450971093	963692357	1485105683	0.502 20.3	1.01	5.06	10.1	15.4
Endosulfan I	Ave	44517773 1965235878	84143090	444603601	947641758	1507139273	0.502 20.3	1.01	5.06	10.1	15.4
p,p'-DDE	Ave	90873477 4499944423	195493495	957747691	2099923380	3405002538	0.998 40.3	2.01	10.1	20.1	30.6
Dieldrin	Ave	92816532 4708395908	203462933	1026154896	2233747427	3560089671	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	81394500 4085157915	175288552	857447099	1902487045	3109087590	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	63791342 3303229124	140346408	692323058	1549573113	2455489197	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan II	Ave	79276229 3628633503	165452668	793059673	1719833889	2745364066	0.992 40.0	2.00	10.0	20.0	30.4
Endrin aldehyde	Ave	62067313 2774456317	128825589	600230411	1273858108	2064912764	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDT	Ave	54377788	112353056	603907387	1355926713	2219106536	0.992	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.: 410-116613-1 Analy Batch No.: 347154

SDG No.:

Instrument ID: 9147 GC Column: MR2 ID: Heated Purge: (Y/N) N

Calibration Start Date: 02/23/2023 07:36 Calibration End Date: 02/23/2023 08:49 Calibration ID: 47492

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
		3029862529					40.0				
Endosulfan sulfate	Ave	74202999 3256055003	156832607	737764722	1529667736	2452457537	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	161424856 7973338159	339270260	1694064389	3681968469	5981551424	5.00 202	10.1	50.4	101	153
Endrin ketone	Ave	73974759 3420762591	156433568	751038883	1622920621	2586499901	0.998 40.3	2.01	10.1	20.1	30.6
Tetrachloro-m-xylene (Surr)	Ave	69430360 2852319430	146647176	672938768	1393804846	2154625704	1.99 80.3	4.02	20.1	40.2	61.0
DCB Decachlorobiphenyl (Surr)	Ave	134746619 4822793985	267331005	1148380932	2364021204	3690703367	1.99 80.3	4.02	20.1	40.2	61.0

Curve Type Legend
Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.014.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Feb-2023 07:36:00 ALS Bottle#: 0 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic mixa1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:04 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

First Level Reviewer: WN7O Date: 24-Feb-2023 07:33:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.860	1.860	0.000	134139847H	1.99	2.12	
2	2.573	2.573	0.000	69430360H	1.99	1.98	
						RPD = 7.00	
2 alpha-BHC							
1	2.455	2.455	0.000	47990741H	0.4960	0.5030	
2	2.993	2.993	0.000	40075109H	0.4960	0.4265	
						RPD = 16.46	
4 gamma-BHC (Lindane)							
1	2.830	2.828	0.002	48531955H	0.5022	0.5433	
2	3.333	3.335	-0.002	41159183H	0.5022	0.4404	
						RPD = 20.93	
5 beta-BHC							
1	3.080	3.080	0.000	23956475H	0.5022	0.5802	
2	3.597	3.597	0.000	18313672H	0.5022	0.5284	
						RPD = 9.34	
7 delta-BHC							
1	3.368	3.368	0.000	52929837H	0.4960	0.5117	
2	3.843	3.845	-0.002	46953318H	0.4960	0.4344	
						RPD = 16.34	
8 Heptachlor							
1	3.195	3.195	0.000	42379462H	0.4960	0.5424	
2	3.918	3.918	0.000	50472445H	0.4960	0.4723	
						RPD = 13.82	
9 Aldrin							
1	3.505	3.505	0.000	51099220H	0.4960	0.5279	
2	4.212	4.212	0.000	51388292H	0.4960	0.4614	
						RPD = 13.45	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.010	4.010	0.000	51244104H	0.5022	0.5530	
2	4.583	4.583	0.000	46849818H	0.5022	0.4780	
						RPD = 14.56	
13 trans-Chlordane							
1	4.212	4.212	0.000	52469114H	0.4960	0.5361	
2	4.842	4.842	0.000	44220332H	0.4960	0.4598	
						RPD = 15.31	
14 cis-Chlordane							
1	4.295	4.295	0.000	54760110H	0.5022	0.5556	
2	4.882	4.883	-0.001	41275309H	0.5022	0.4565	
						RPD = 19.58	
15 Endosulfan I							
1	4.340	4.340	0.000	51180287H	0.5022	0.5526	
2	4.913	4.913	0.000	44517773H	0.5022	0.4873	
						RPD = 12.56	
16 4,4'-DDE							
1	4.468	4.468	0.000	107629005H	1.00	1.04	
2	4.997	4.997	0.000	90873477H	1.00	0.8926	
						RPD = 15.50	
18 Dieldrin							
1	4.578	4.577	0.001	105551693H	0.99	1.02	
2	5.113	5.113	0.000	92816532H	0.99	0.8642	
						RPD = 16.26	
19 Endrin							
1	4.830	4.830	0.000	97969158H	0.99	1.06	
2	5.290	5.290	0.000	81394500H	0.99	0.8800	
						RPD = 18.34	
22 4,4'-DDD							
1	4.927	4.927	0.000	86266517H	0.99	1.01	
2	5.387	5.387	0.000	63791342H	0.99	0.8610	
						RPD = 15.80	
23 Endosulfan II							
1	5.038	5.038	0.000	97375999H	0.99	1.06	
2	5.483	5.483	0.000	79276229H	0.99	0.9346	
						RPD = 12.76	
25 Endrin aldehyde							
1	5.212	5.210	0.002	82134711H	0.99	1.08	
2	5.563	5.565	-0.002	62067313H	0.99	0.9598	
						RPD = 11.72	
26 4,4'-DDT							
1	5.137	5.137	0.000	53675731H	0.99	0.9168	
2	5.613	5.613	0.000	54377788H	0.99	0.8411	
						RPD = 8.62	
27 Endosulfan sulfate							
1	5.360	5.360	0.000	93102564H	0.99	1.09	
2	5.770	5.770	0.000	74202999H	0.99	0.9563	
						RPD = 13.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	140379550H	5.00	4.68	
2	5.923	5.922	0.001	161424856H	5.00	4.51	
						RPD = 3.68	
29 Endrin ketone							
1	5.798	5.798	0.000	96082295H	1.00	1.03	
2	6.072	6.073	-0.001	73974759H	1.00	0.9312	
						RPD = 10.25	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	207030362H	1.99	2.22	
2	7.117	7.118	-0.001	134746619H	1.99	2.18	
						RPD = 1.62	
S 32 Total DDTs							
1						0.9168	
2						0.8411	
						RPD = 8.62	
S 33 Endosulfan, Total							
1						1.61	
2						1.42	
						RPD = 12.69	

Reagents:

GCS_MIXA1_00009 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.014.D

Injection Date: 23-Feb-2023 07:36:00 Instrument ID: 9147

Lims ID: ic mixa1

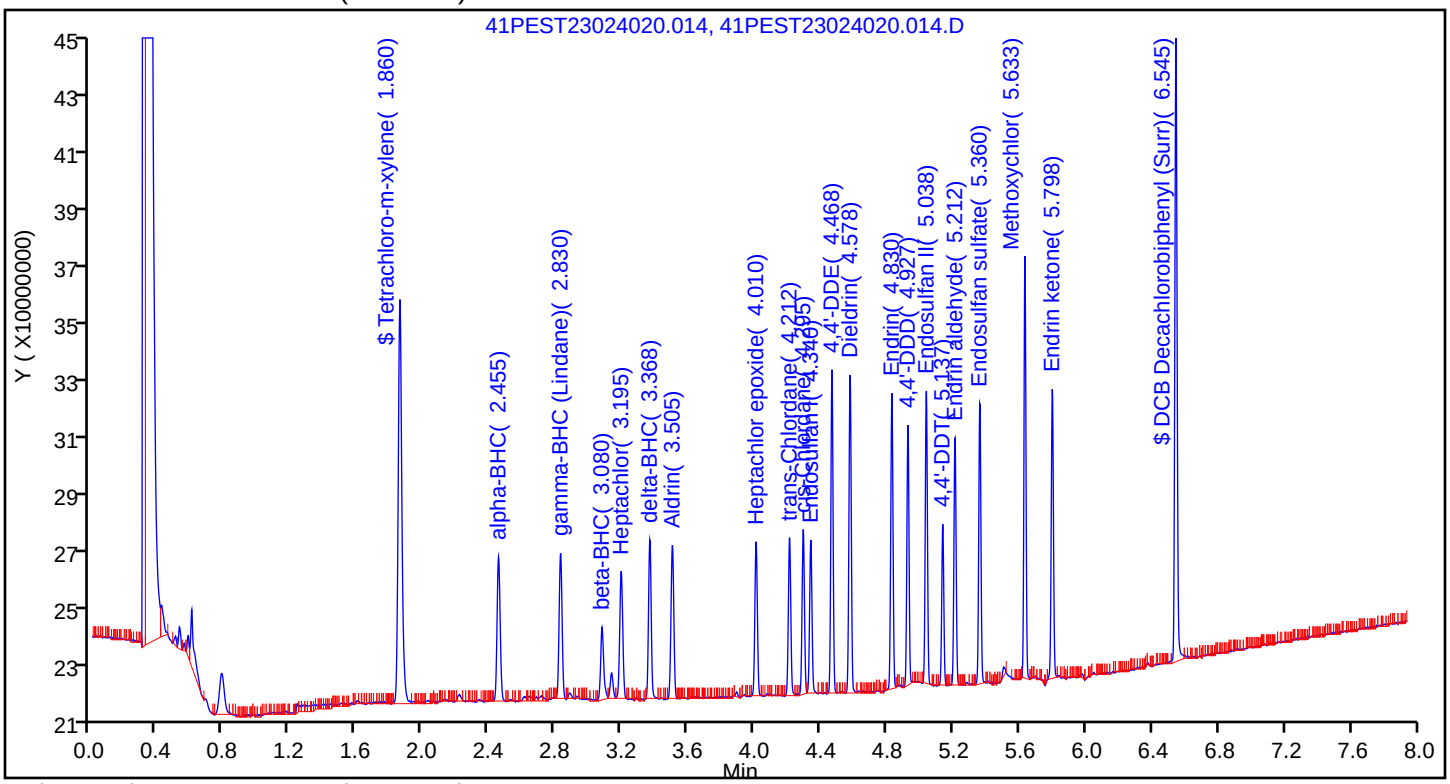
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 14

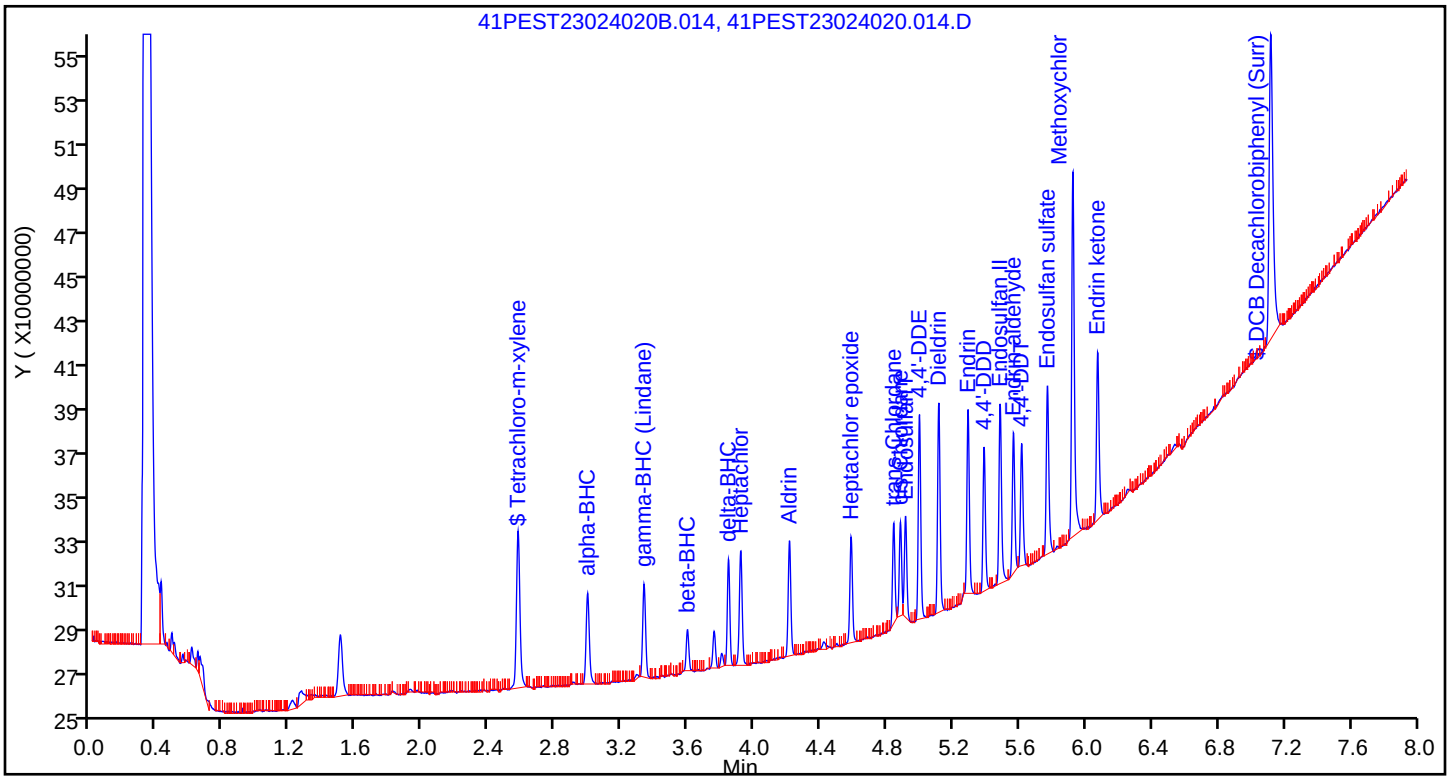
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.015.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Feb-2023 07:50:00 ALS Bottle#: 0 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:07 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.865	1.860	0.005	270532281H	4.02	4.28	
2	2.575	2.573	0.002	146647176H	4.02	4.18	
						RPD = 2.38	
2 alpha-BHC							
1	2.462	2.455	0.007	100577255H	1.00	1.05	
2	2.995	2.993	0.002	87590975H	1.00	0.9321	
						RPD = 12.28	
4 gamma-BHC (Lindane)							
1	2.833	2.828	0.005	95883820H	1.01	1.07	
2	3.337	3.335	0.002	90494992H	1.01	0.9682	
						RPD = 10.31	
5 beta-BHC							
1	3.085	3.080	0.005	48976507H	1.01	1.19	
2	3.598	3.597	0.001	37702042H	1.01	1.09	
						RPD = 8.64	
7 delta-BHC							
1	3.373	3.368	0.005	107986908H	1.00	1.04	
2	3.845	3.845	0.000	96854948H	1.00	0.8960	
						RPD = 15.25	
8 Heptachlor							
1	3.200	3.195	0.005	83245172H	1.00	1.07	
2	3.920	3.918	0.002	99470588H	1.00	0.9308	
						RPD = 13.49	
9 Aldrin							
1	3.508	3.505	0.003	103069915H	1.00	1.06	
2	4.213	4.212	0.001	104444257H	1.00	0.9378	
						RPD = 12.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.015	4.010	0.005	100383224H	1.01	1.08	
2	4.585	4.583	0.002	96300218H	1.01	0.9825	
						RPD = 9.76	
13 trans-Chlordane							
1	4.217	4.212	0.005	106094952H	1.00	1.08	
2	4.843	4.842	0.001	89807709H	1.00	0.9339	
						RPD = 14.88	
14 cis-Chlordane							
1	4.300	4.295	0.005	108383334H	1.01	1.10	
2	4.883	4.883	0.000	80745315H	1.01	0.8930	
						RPD = 20.74	
15 Endosulfan I							
1	4.345	4.340	0.005	101656373H	1.01	1.10	
2	4.913	4.913	0.000	84143090H	1.01	0.9210	
						RPD = 17.49	
16 4,4'-DDE							
1	4.473	4.468	0.005	208524028H	2.01	2.02	
2	4.998	4.997	0.001	195493495H	2.01	1.92	
						RPD = 5.06	
18 Dieldrin							
1	4.582	4.577	0.005	214901064H	2.00	2.07	
2	5.115	5.113	0.002	203462933H	2.00	1.89	
						RPD = 8.91	
19 Endrin							
1	4.835	4.830	0.005	192974694H	2.00	2.08	
2	5.292	5.290	0.002	175288552H	2.00	1.90	
						RPD = 9.46	
22 4,4'-DDD							
1	4.932	4.927	0.005	174418099H	2.00	2.04	
2	5.388	5.387	0.001	140346408H	2.00	1.89	
						RPD = 7.38	
23 Endosulfan II							
1	5.042	5.038	0.004	184513235H	2.00	2.01	
2	5.485	5.483	0.002	165452668H	2.00	1.95	
						RPD = 3.12	
25 Endrin aldehyde							
1	5.215	5.210	0.005	164640208H	2.00	2.16	
2	5.565	5.565	0.000	128825589H	2.00	1.99	
						RPD = 8.25	
26 4,4'-DDT							
1	5.142	5.137	0.005	107912047H	2.00	1.84	
2	5.615	5.613	0.002	112353056H	2.00	1.74	
						RPD = 5.89	
27 Endosulfan sulfate							
1	5.365	5.360	0.005	181378922H	2.00	2.12	
2	5.770	5.770	0.000	156832607H	2.00	2.02	
						RPD = 4.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.638	5.633	0.005	280083707H	10.1	9.33	
2	5.923	5.922	0.001	339270260H	10.1	9.48	
						RPD = 1.52	
29 Endrin ketone							
1	5.803	5.798	0.005	194374716H	2.01	2.09	
2	6.073	6.073	0.000	156433568H	2.01	1.97	
						RPD = 5.82	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.550	6.545	0.005	410143346H	4.02	4.39	
2	7.118	7.118	0.000	267331005H	4.02	4.33	
						RPD = 1.48	
S 32 Total DDTs							
1						1.84	
2						1.74	
						RPD = 5.89	
S 33 Endosulfan, Total							
1						3.11	
2						2.87	
						RPD = 7.97	

Reagents:

GCS_MIXA2_00008 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:08 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.015.D

Injection Date: 23-Feb-2023 07:50:00 Instrument ID: 9147

Lims ID: ic

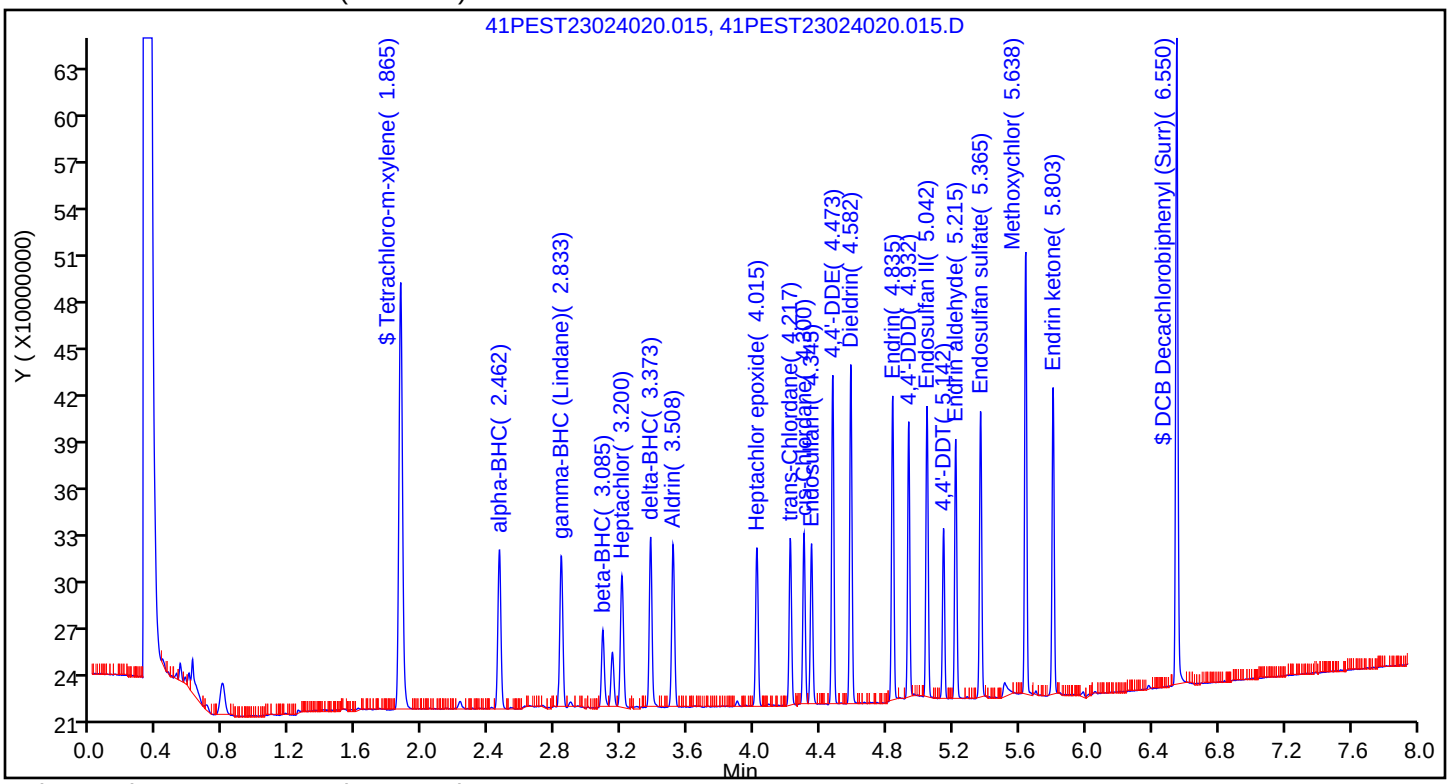
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 15

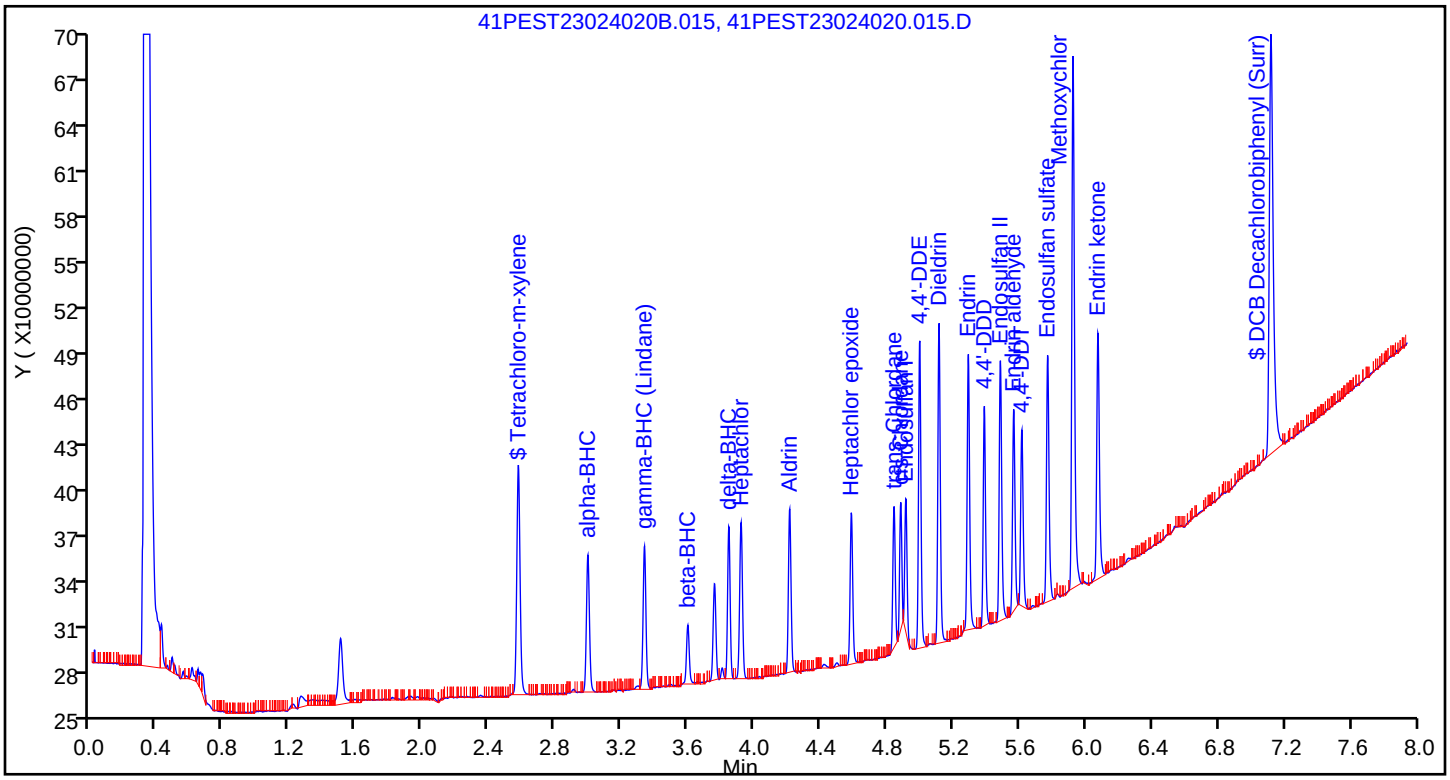
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.016.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Feb-2023 08:05:00 ALS Bottle#: 0 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:10 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

First Level Reviewer: WN7O Date: 24-Feb-2023 07:31:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.858	1.860	-0.002	1193674654H	20.1	18.9	
2	2.570	2.573	-0.003	672938768H	20.1	19.2	
						RPD = 1.54	
2 alpha-BHC							
1	2.455	2.455	0.000	441647180H	5.00	4.63	
2	2.990	2.993	-0.003	429596511H	5.00	4.57	
						RPD = 1.24	
4 gamma-BHC (Lindane)							
1	2.828	2.828	0.000	413194430H	5.06	4.63	
2	3.332	3.335	-0.003	440780586H	5.06	4.72	
						RPD = 1.93	
5 beta-BHC							
1	3.080	3.080	0.000	197339441H	5.06	4.78	
2	3.593	3.597	-0.004	165253145H	5.06	4.77	
						RPD = 0.23	
7 delta-BHC							
1	3.368	3.368	0.000	485940616H	5.00	4.70	
2	3.840	3.845	-0.005	499250018H	5.00	4.62	
						RPD = 1.70	
8 Heptachlor							
1	3.195	3.195	0.000	365379881H	5.00	4.68	
2	3.915	3.918	-0.003	496847584H	5.00	4.65	
						RPD = 0.59	
9 Aldrin							
1	3.503	3.505	-0.002	453652506H	5.00	4.69	
2	4.208	4.212	-0.004	514287943H	5.00	4.62	
						RPD = 1.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.010	4.010	0.000	450058912H	5.06	4.86	
2	4.580	4.583	-0.003	477741059H	5.06	4.87	
						RPD = 0.35	
13 trans-Chlordane							
1	4.212	4.212	0.000	455775858H	5.00	4.66	
2	4.838	4.842	-0.004	450448098H	5.00	4.68	
						RPD = 0.59	
14 cis-Chlordane							
1	4.295	4.295	0.000	463089383H	5.06	4.70	
2	4.878	4.883	-0.005	450971093H	5.06	4.99	
						RPD = 5.97	
15 Endosulfan I							
1	4.340	4.340	0.000	445496222H	5.06	4.81	
2	4.908	4.913	-0.005	444603601H	5.06	4.87	
						RPD = 1.17	
16 4,4'-DDE							
1	4.468	4.468	0.000	982594774H	10.1	9.52	
2	4.993	4.997	-0.004	957747691H	10.1	9.41	
						RPD = 1.17	
18 Dieldrin							
1	4.577	4.577	0.000	988534362H	10.0	9.53	
2	5.110	5.113	-0.003	1026154896H	10.0	9.55	
						RPD = 0.29	
19 Endrin							
1	4.830	4.830	0.000	883662172H	10.0	9.54	
2	5.287	5.290	-0.003	857447099H	10.0	9.27	
						RPD = 2.87	
22 4,4'-DDD							
1	4.927	4.927	0.000	812937108H	10.0	9.51	
2	5.383	5.387	-0.004	692323058H	10.0	9.34	
						RPD = 1.71	
23 Endosulfan II							
1	5.037	5.038	-0.001	856964408H	10.0	9.35	
2	5.480	5.483	-0.003	793059673H	10.0	9.35	
						RPD = 0.04	
25 Endrin aldehyde							
1	5.210	5.210	0.000	702484637H	10.0	9.23	
2	5.560	5.565	-0.005	600230411H	10.0	9.28	
						RPD = 0.55	
26 4,4'-DDT							
1	5.137	5.137	0.000	538573194H	10.0	9.20	
2	5.610	5.613	-0.003	603907387H	10.0	9.34	
						RPD = 1.52	
27 Endosulfan sulfate							
1	5.362	5.360	0.002	791698819H	10.0	9.27	
2	5.765	5.770	-0.005	737764722H	10.0	9.51	
						RPD = 2.50	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	1443630749H	50.4	48.1	
2	5.918	5.922	-0.004	1694064389H	50.4	47.3	
						RPD = 1.65	
29 Endrin ketone							
1	5.798	5.798	0.000	880906497H	10.1	9.46	
2	6.068	6.073	-0.005	751038883H	10.1	9.45	
						RPD = 0.06	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	1708081782H	20.1	18.3	
2	7.115	7.118	-0.003	1148380932H	20.1	18.6	
						RPD = 1.62	
S 32 Total DDTs							
1						9.20	
2						9.34	
						RPD = 1.52	
S 33 Endosulfan, Total							
1						14.2	
2						14.2	
						RPD = 0.42	

Reagents:

GCS_MIXA3_00009 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:11 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.016.D

Injection Date: 23-Feb-2023 08:05:00 Instrument ID: 9147

Lims ID: ic

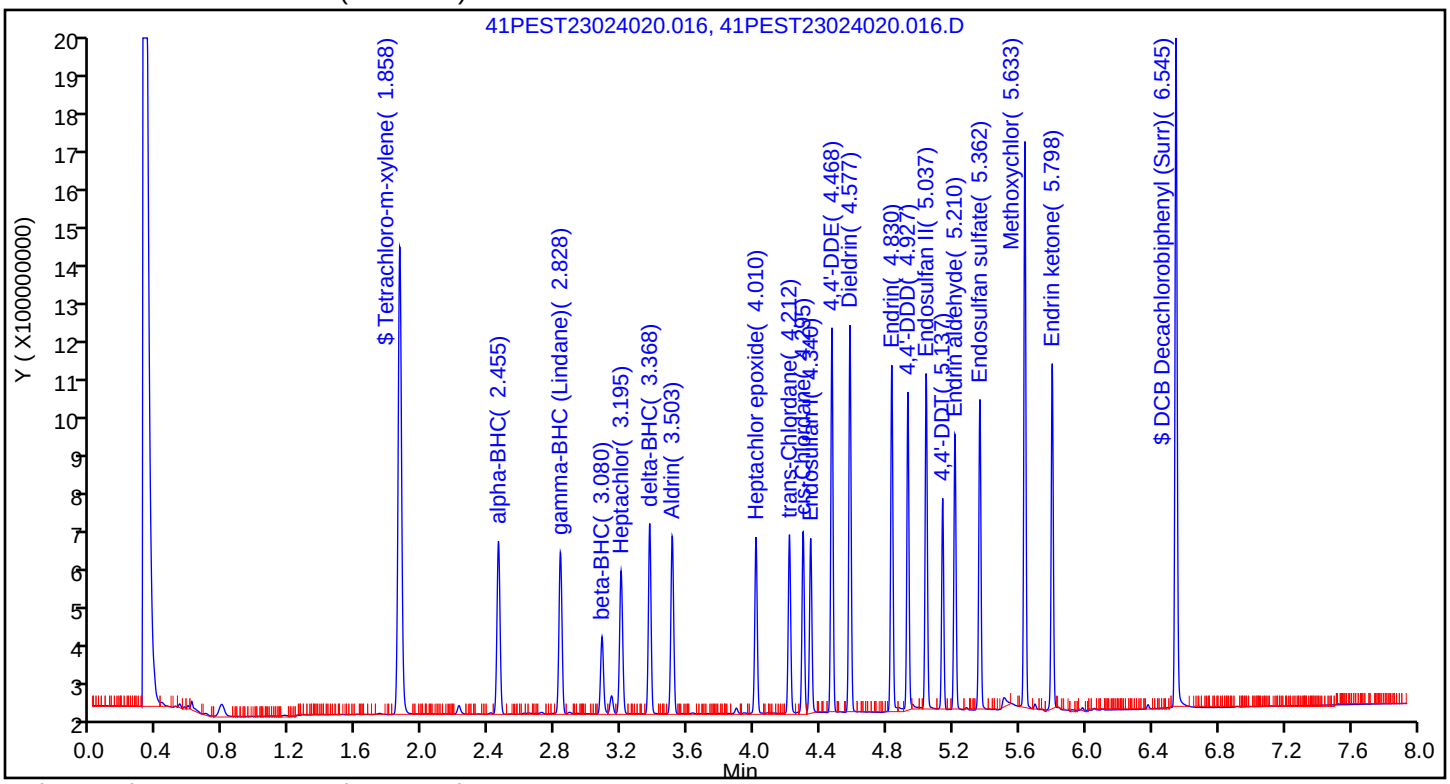
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 16

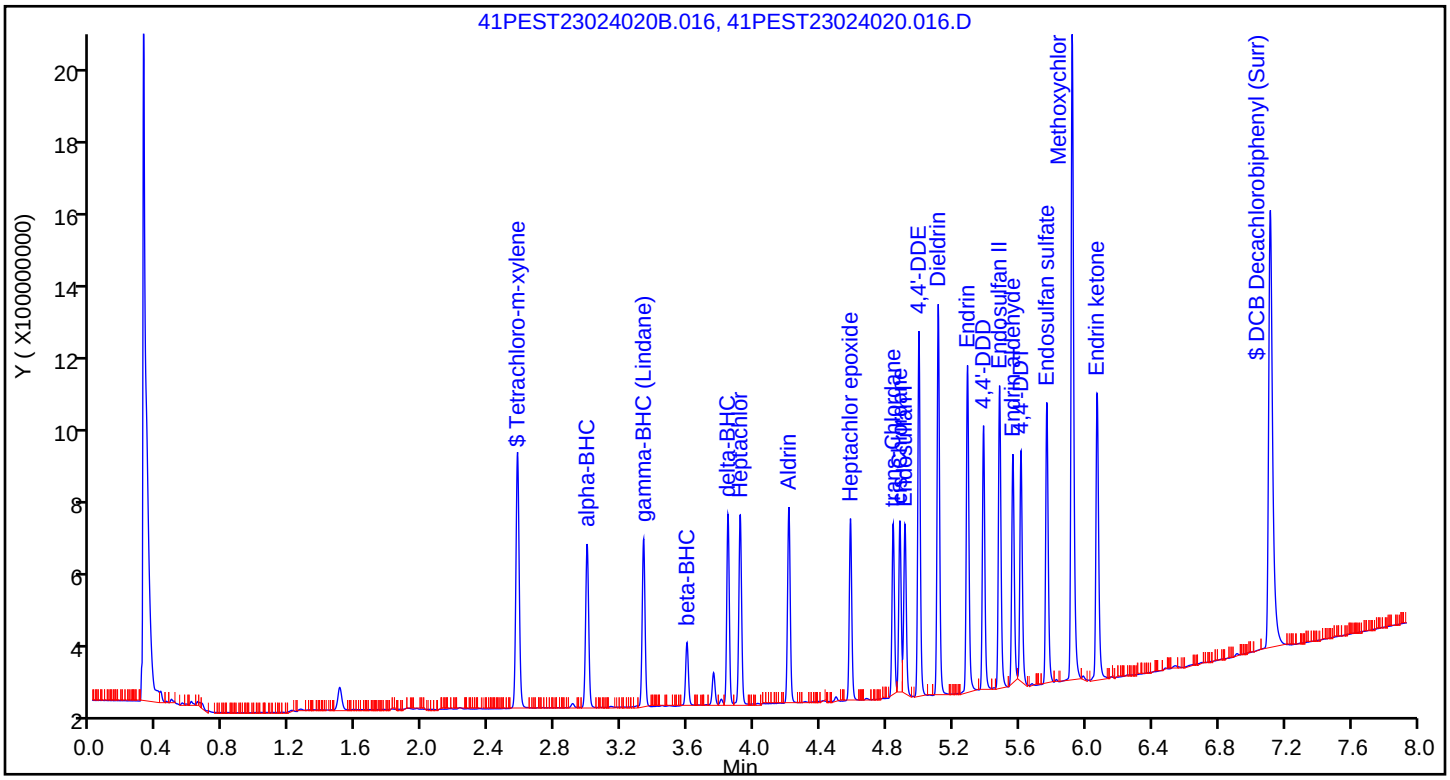
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.017.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 23-Feb-2023 08:20:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:13 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

First Level Reviewer: UAMZ Date: 23-Feb-2023 11:11:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.860	1.860	0.000	2466870156H	40.2	39.1	
2	2.573	2.573	0.000	1393804846H	40.2	39.7	
						RPD = 1.76	
2 alpha-BHC							
1	2.455	2.455	0.000	918202028H	10.0	9.62	
2	2.993	2.993	0.000	983291823H	10.0	10.5	
						RPD = 8.37	
4 gamma-BHC (Lindane)							
1	2.828	2.828	0.000	871515342H	10.1	9.76	
2	3.335	3.335	0.000	971842362H	10.1	10.4	
						RPD = 6.36	
5 beta-BHC							
1	3.080	3.080	0.000	386907852H	10.1	9.37	
2	3.597	3.597	0.000	336109190H	10.1	9.70	
						RPD = 3.44	
7 delta-BHC							
1	3.368	3.368	0.000	1010154432H	10.0	9.76	
2	3.845	3.845	0.000	1132645050H	10.0	10.5	
						RPD = 7.04	
8 Heptachlor							
1	3.195	3.195	0.000	747244581H	10.0	9.56	
2	3.918	3.918	0.000	1093981568H	10.0	10.2	
						RPD = 6.80	
9 Aldrin							
1	3.505	3.505	0.000	919939268H	10.0	9.50	
2	4.212	4.212	0.000	1149506209H	10.0	10.3	
						RPD = 8.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.010	4.010	0.000	891312716H	10.1	9.62	
2	4.583	4.583	0.000	1007575808H	10.1	10.3	
						RPD = 6.64	
13 trans-Chlordane							
1	4.212	4.212	0.000	932999855H	10.0	9.53	
2	4.842	4.842	0.000	996964375H	10.0	10.4	
						RPD = 8.39	
14 cis-Chlordane							
1	4.295	4.295	0.000	949424246H	10.1	9.63	
2	4.883	4.883	0.000	963692357H	10.1	10.7	
						RPD = 10.11	
15 Endosulfan I							
1	4.340	4.340	0.000	896482674H	10.1	9.68	
2	4.913	4.913	0.000	947641758H	10.1	10.4	
						RPD = 6.92	
16 4,4'-DDE							
1	4.468	4.468	0.000	2036279453H	20.1	19.7	
2	4.997	4.997	0.000	2099923380H	20.1	20.6	
						RPD = 4.47	
18 Dieldrin							
1	4.577	4.577	0.000	2048945263H	20.0	19.7	
2	5.113	5.113	0.000	2233747427H	20.0	20.8	
						RPD = 5.19	
19 Endrin							
1	4.830	4.830	0.000	1808780911H	20.0	19.5	
2	5.290	5.290	0.000	1902487045H	20.0	20.6	
						RPD = 5.19	
22 4,4'-DDD							
1	4.927	4.927	0.000	1704094565H	20.0	19.9	
2	5.387	5.387	0.000	1549573113H	20.0	20.9	
						RPD = 4.85	
23 Endosulfan II							
1	5.038	5.038	0.000	1782334821H	20.0	19.4	
2	5.483	5.483	0.000	1719833889H	20.0	20.3	
						RPD = 4.22	
25 Endrin aldehyde							
1	5.210	5.210	0.000	1429250283H	20.0	18.8	
2	5.565	5.565	0.000	1273858108H	20.0	19.7	
						RPD = 4.77	
26 4,4'-DDT							
1	5.137	5.137	0.000	1175596225H	20.0	20.1	
2	5.613	5.613	0.000	1355926713H	20.0	21.0	
						RPD = 4.34	
27 Endosulfan sulfate							
1	5.360	5.360	0.000	1619564111H	20.0	19.0	
2	5.770	5.770	0.000	1529667736H	20.0	19.7	
						RPD = 3.84	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	3195356565H	100.8	106.5	
2	5.922	5.922	0.000	3681968469H	100.8	102.9	
						RPD = 3.47	
29 Endrin ketone							
1	5.798	5.798	0.000	1861089476H	20.1	20.0	
2	6.073	6.073	0.000	1622920621H	20.1	20.4	
						RPD = 2.20	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	3536179135H	40.2	37.9	
2	7.118	7.118	0.000	2364021204H	40.2	38.3	
						RPD = 1.06	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:15 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.017.D

Injection Date: 23-Feb-2023 08:20:00 Instrument ID: 9147

Lims ID: icrt

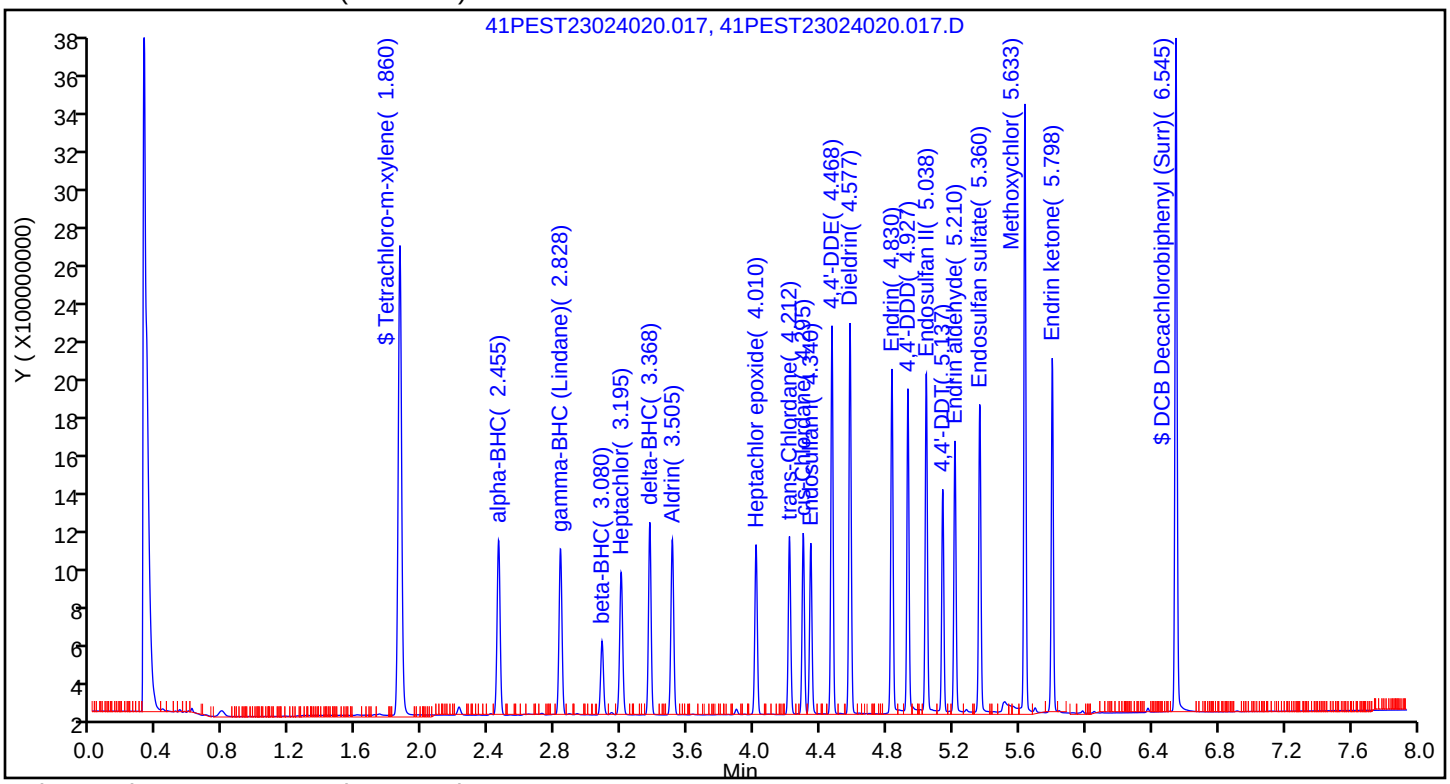
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

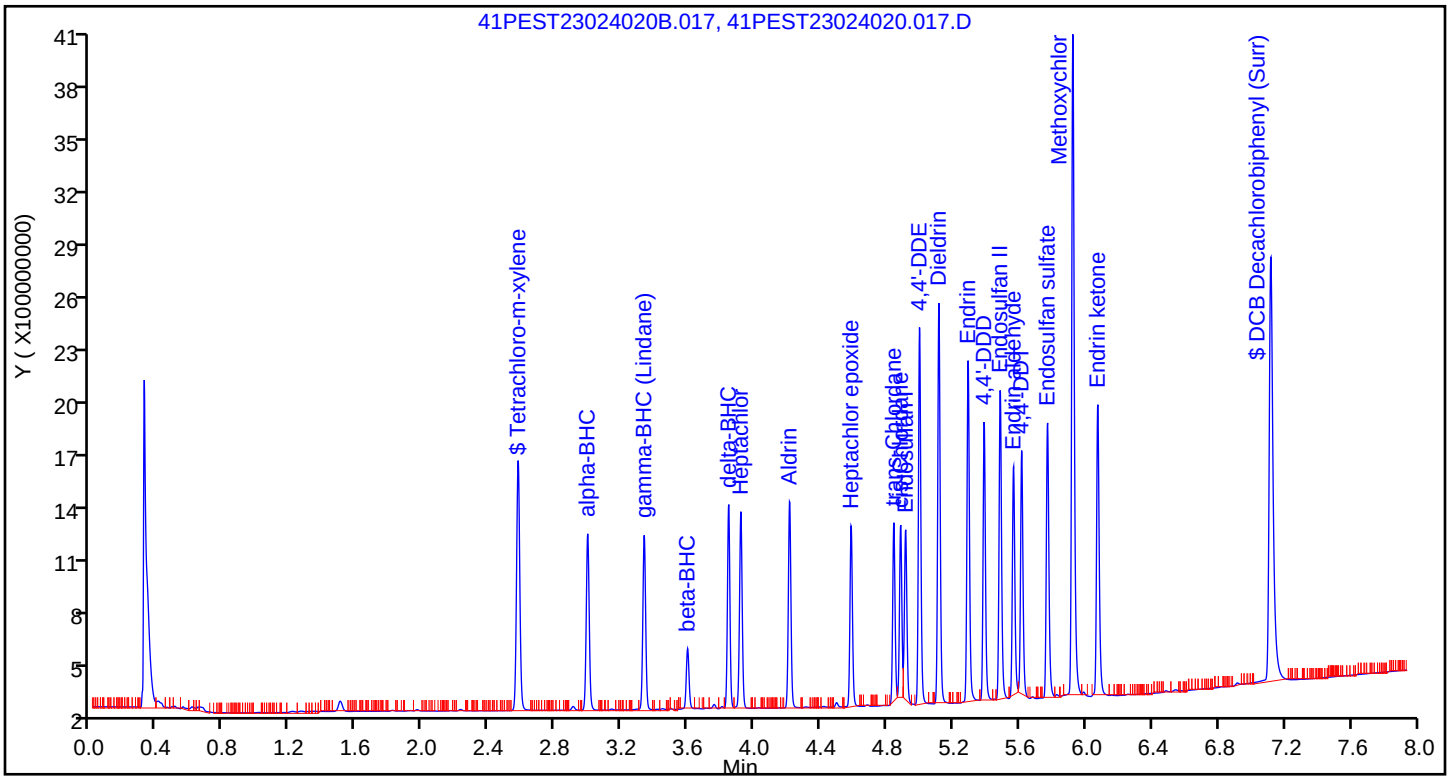
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.018.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 23-Feb-2023 08:34:00 ALS Bottle#: 0 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:17 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.860	0.003	3779826823H	61.0	59.8	
2	2.577	2.573	0.004	2154625704H	61.0	61.4	
						RPD = 2.65	
2 alpha-BHC							
1	2.458	2.455	0.003	1506700700H	15.2	15.8	
2	2.997	2.993	0.004	1577563574H	15.2	16.8	
						RPD = 6.12	
4 gamma-BHC (Lindane)							
1	2.833	2.828	0.005	1390309796H	15.4	15.6	
2	3.338	3.335	0.003	1580415113H	15.4	16.9	
						RPD = 8.28	
5 beta-BHC							
1	3.083	3.080	0.003	576716593H	15.4	14.0	
2	3.598	3.597	0.001	529776670H	15.4	15.3	
						RPD = 9.02	
7 delta-BHC							
1	3.372	3.368	0.004	1611891139H	15.2	15.6	
2	3.847	3.845	0.002	1858644043H	15.2	17.2	
						RPD = 9.84	
8 Heptachlor							
1	3.198	3.195	0.003	1168115702H	15.2	15.0	
2	3.922	3.918	0.004	1727642865H	15.2	16.2	
						RPD = 7.81	
9 Aldrin							
1	3.508	3.505	0.003	1451321383H	15.2	15.0	
2	4.215	4.212	0.003	1836436580H	15.2	16.5	
						RPD = 9.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.013	4.010	0.003	1391373892H	15.4	15.0	
2	4.588	4.583	0.005	1557180134H	15.4	15.9	
						RPD = 5.64	
13 trans-Chlordane							
1	4.215	4.212	0.003	1434782926H	15.2	14.7	
2	4.845	4.842	0.003	1548692251H	15.2	16.1	
						RPD = 9.39	
14 cis-Chlordane							
1	4.298	4.295	0.003	1458292389H	15.4	14.8	
2	4.885	4.883	0.002	1485105683H	15.4	16.4	
						RPD = 10.44	
15 Endosulfan I							
1	4.343	4.340	0.003	1372016988H	15.4	14.8	
2	4.917	4.913	0.004	1507139273H	15.4	16.5	
						RPD = 10.75	
16 4,4'-DDE							
1	4.472	4.468	0.004	3206992247H	30.6	31.1	
2	5.000	4.997	0.003	3405002538H	30.6	33.4	
						RPD = 7.38	
18 Dieldrin							
1	4.582	4.577	0.005	3107822718H	30.4	29.9	
2	5.117	5.113	0.004	3560089671H	30.4	33.1	
						RPD = 10.13	
19 Endrin							
1	4.833	4.830	0.003	2780935445H	30.4	30.0	
2	5.293	5.290	0.003	3109087590H	30.4	33.6	
						RPD = 11.29	
22 4,4'-DDD							
1	4.930	4.927	0.003	2539412554H	30.4	29.7	
2	5.390	5.387	0.003	2455489197H	30.4	33.1	
						RPD = 10.98	
23 Endosulfan II							
1	5.042	5.038	0.004	2805794212H	30.4	30.6	
2	5.488	5.483	0.005	2745364066H	30.4	32.4	
						RPD = 5.61	
25 Endrin aldehyde							
1	5.213	5.210	0.003	2268895674H	30.4	29.8	
2	5.568	5.565	0.003	2064912764H	30.4	31.9	
						RPD = 6.85	
26 4,4'-DDT							
1	5.140	5.137	0.003	1954143514H	30.4	33.4	
2	5.617	5.613	0.004	2219106536H	30.4	34.3	
						RPD = 2.79	
27 Endosulfan sulfate							
1	5.365	5.360	0.005	2567446791H	30.4	30.1	
2	5.773	5.770	0.003	2452457537H	30.4	31.6	
						RPD = 4.97	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.637	5.633	0.004	4881679793H	153.1	162.7	
2	5.927	5.922	0.005	5981551424H	153.1	167.1	
						RPD = 2.67	
29 Endrin ketone							
1	5.802	5.798	0.004	2844471902H	30.6	30.5	
2	6.077	6.073	0.004	2586499901H	30.6	32.6	
						RPD = 6.38	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.548	6.545	0.003	5641426712H	61.0	60.4	
2	7.122	7.118	0.004	3690703367H	61.0	59.7	
						RPD = 1.11	
S 32 Total DDTs							
1						33.4	
2						34.3	
						RPD = 2.79	
S 33 Endosulfan, Total							
1						45.4	
2						48.9	
						RPD = 7.32	

Reagents:

GCS_MIXA5_00012 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:18 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.018.D

Injection Date: 23-Feb-2023 08:34:00 Instrument ID: 9147

Lims ID: ic

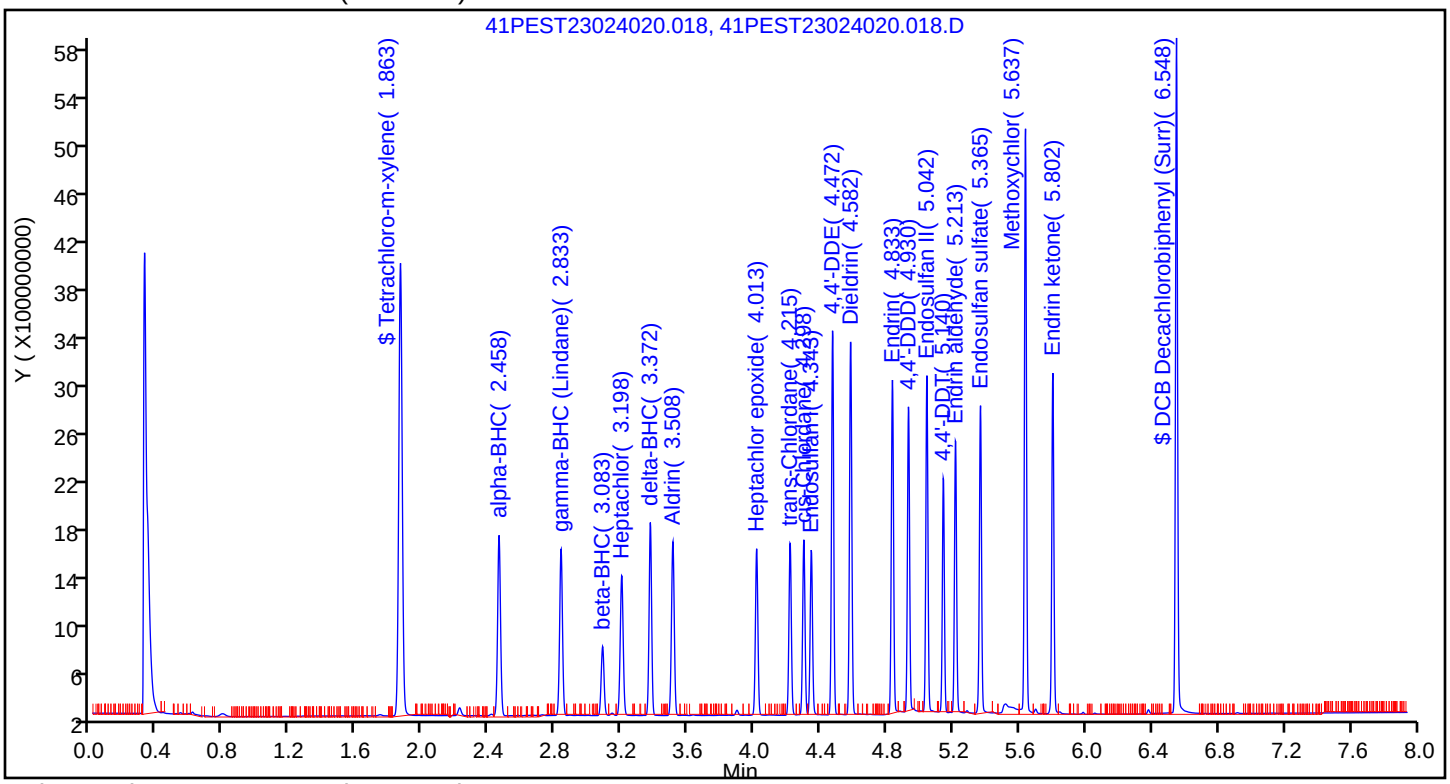
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 18

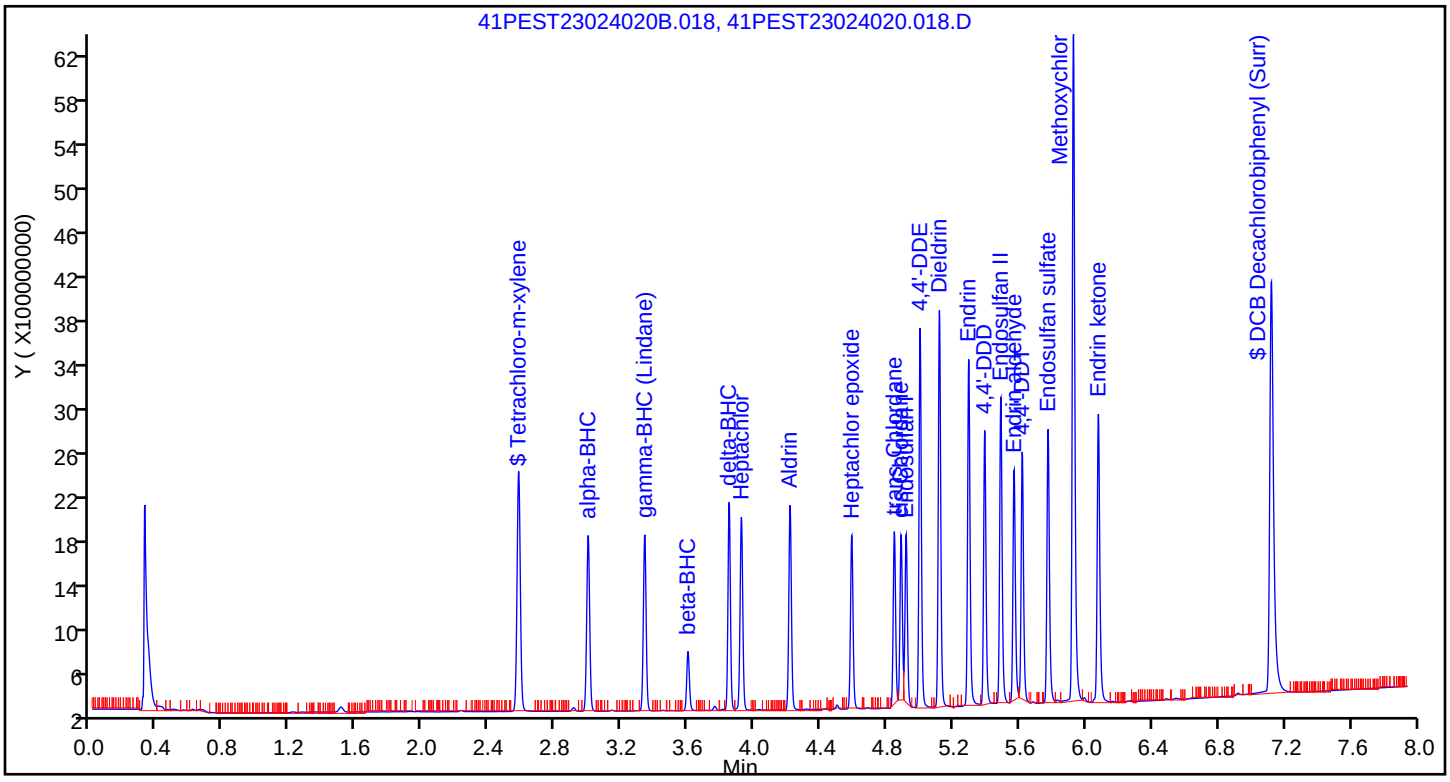
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 23-Feb-2023 08:49:00 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:37:20 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.860	1.860	0.000	4939631156H	80.3	78.2	
2	2.573	2.573	0.000	2852319430H	80.3	81.3	
						RPD = 3.94	
2 alpha-BHC							
1	2.455	2.455	0.000	1917417719H	20.0	20.1	
2	2.993	2.993	0.000	2147778354H	20.0	22.9	
						RPD = 12.85	
4 gamma-BHC (Lindane)							
1	2.828	2.828	0.000	1753276502H	20.3	19.6	
2	3.333	3.335	-0.002	2100596486H	20.3	22.5	
						RPD = 13.52	
5 beta-BHC							
1	3.078	3.080	-0.002	749387749H	20.3	18.1	
2	3.595	3.597	-0.002	688075813H	20.3	19.9	
						RPD = 8.97	
7 delta-BHC							
1	3.367	3.368	-0.001	2034741473H	20.0	19.7	
2	3.843	3.845	-0.002	2433717636H	20.0	22.5	
						RPD = 13.49	
8 Heptachlor							
1	3.195	3.195	0.000	1508416046H	20.0	19.3	
2	3.917	3.918	-0.001	2350200851H	20.0	22.0	
						RPD = 13.01	
9 Aldrin							
1	3.503	3.505	-0.002	1928833998H	20.0	19.9	
2	4.212	4.212	0.000	2431693114H	20.0	21.8	
						RPD = 9.12	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.008	4.010	-0.002	1770945999H	20.3	19.1	
2	4.583	4.583	0.000	2119094964H	20.3	21.6	
						RPD = 12.31	
13 trans-Chlordane							
1	4.210	4.212	-0.002	1930139755H	20.0	19.7	
2	4.840	4.842	-0.002	2126853118H	20.0	22.1	
						RPD = 11.45	
14 cis-Chlordane							
1	4.293	4.295	-0.002	1929970231H	20.3	19.6	
2	4.882	4.883	-0.001	2021337137H	20.3	22.4	
						RPD = 13.23	
15 Endosulfan I							
1	4.338	4.340	-0.002	1776168788H	20.3	19.2	
2	4.912	4.913	-0.001	1965235878H	20.3	21.5	
						RPD = 11.47	
16 4,4'-DDE							
1	4.467	4.468	-0.001	4197695839H	40.3	40.7	
2	4.995	4.997	-0.002	4499944423H	40.3	44.2	
						RPD = 8.34	
18 Dieldrin							
1	4.577	4.577	0.000	4208972311H	40.0	40.6	
2	5.113	5.113	0.000	4708395908H	40.0	43.8	
						RPD = 7.77	
19 Endrin							
1	4.828	4.830	-0.002	3609665574H	40.0	39.0	
2	5.290	5.290	0.000	4085157915H	40.0	44.2	
						RPD = 12.50	
22 4,4'-DDD							
1	4.925	4.927	-0.002	3558000558H	40.0	41.6	
2	5.385	5.387	-0.002	3303229124H	40.0	44.6	
						RPD = 6.92	
23 Endosulfan II							
1	5.037	5.038	-0.001	3705942810H	40.0	40.4	
2	5.483	5.483	0.000	3628633503H	40.0	42.8	
						RPD = 5.68	
25 Endrin aldehyde							
1	5.210	5.210	0.000	3004244168H	40.0	39.5	
2	5.563	5.565	-0.002	2774456317H	40.0	42.9	
						RPD = 8.32	
26 4,4'-DDT							
1	5.137	5.137	0.000	2651298103H	40.0	45.3	
2	5.612	5.613	-0.001	3029862529H	40.0	46.9	
						RPD = 3.42	
27 Endosulfan sulfate							
1	5.360	5.360	0.000	3322970108H	40.0	38.9	
2	5.768	5.770	-0.002	3256055003H	40.0	42.0	
						RPD = 7.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.632	5.633	-0.001	6426585479H	201.5	214.2	
2	5.922	5.922	0.000	7973338159H	201.5	222.7	
						RPD = 3.92	
29 Endrin ketone							
1	5.797	5.798	-0.001	3740053938H	40.3	40.2	
2	6.072	6.073	-0.001	3420762591H	40.3	43.1	
						RPD = 6.97	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.543	6.545	-0.002	7141742577H	80.3	76.4	
2	7.117	7.118	-0.001	4822793985H	80.3	78.0	
						RPD = 2.07	
S 32 Total DDTs							
1						45.3	
2						46.9	
						RPD = 3.42	
S 33 Endosulfan, Total							
1						59.6	
2						64.3	
						RPD = 7.58	

Reagents:

GCS_MIXA6_00008 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:37:21 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Injection Date: 23-Feb-2023 08:49:00 Instrument ID: 9147

Lims ID: ic

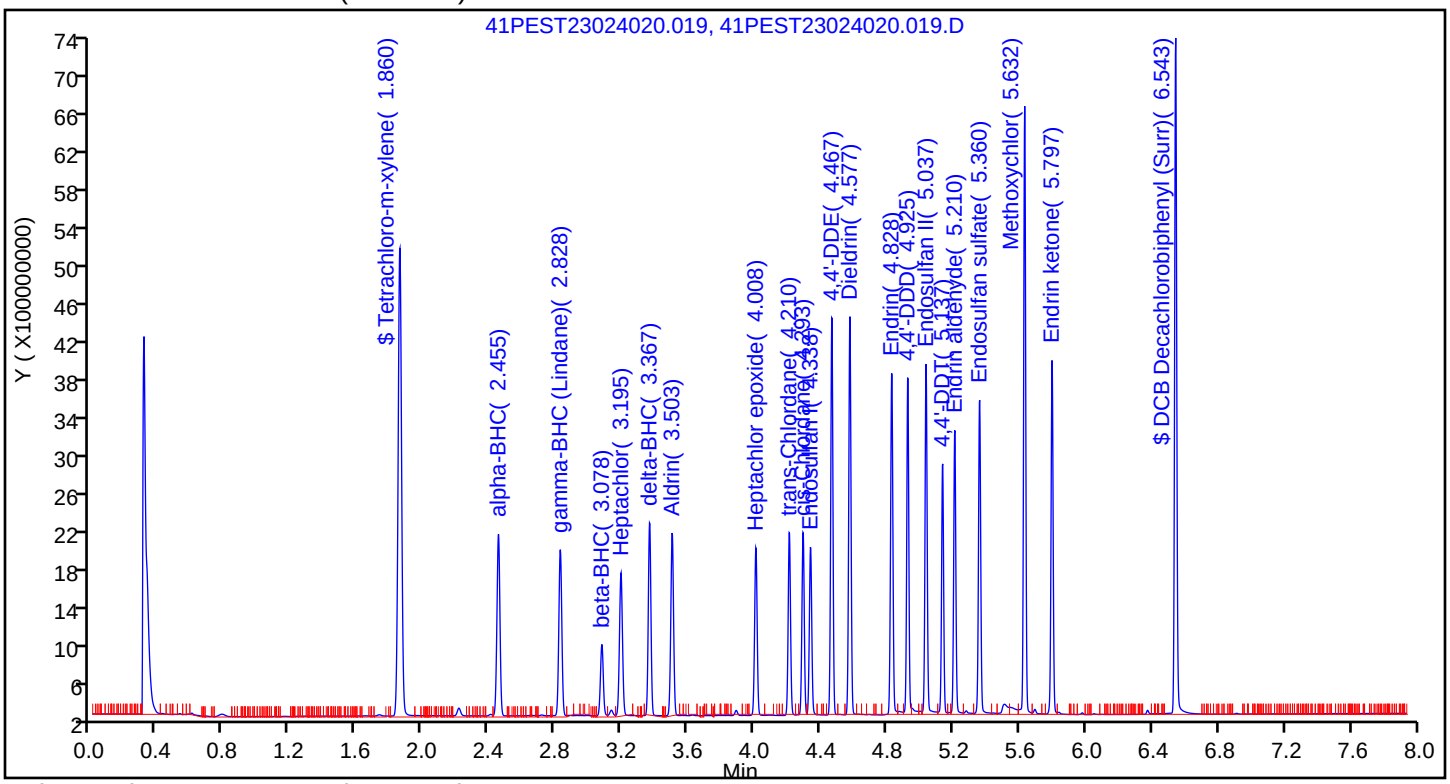
Client ID:

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

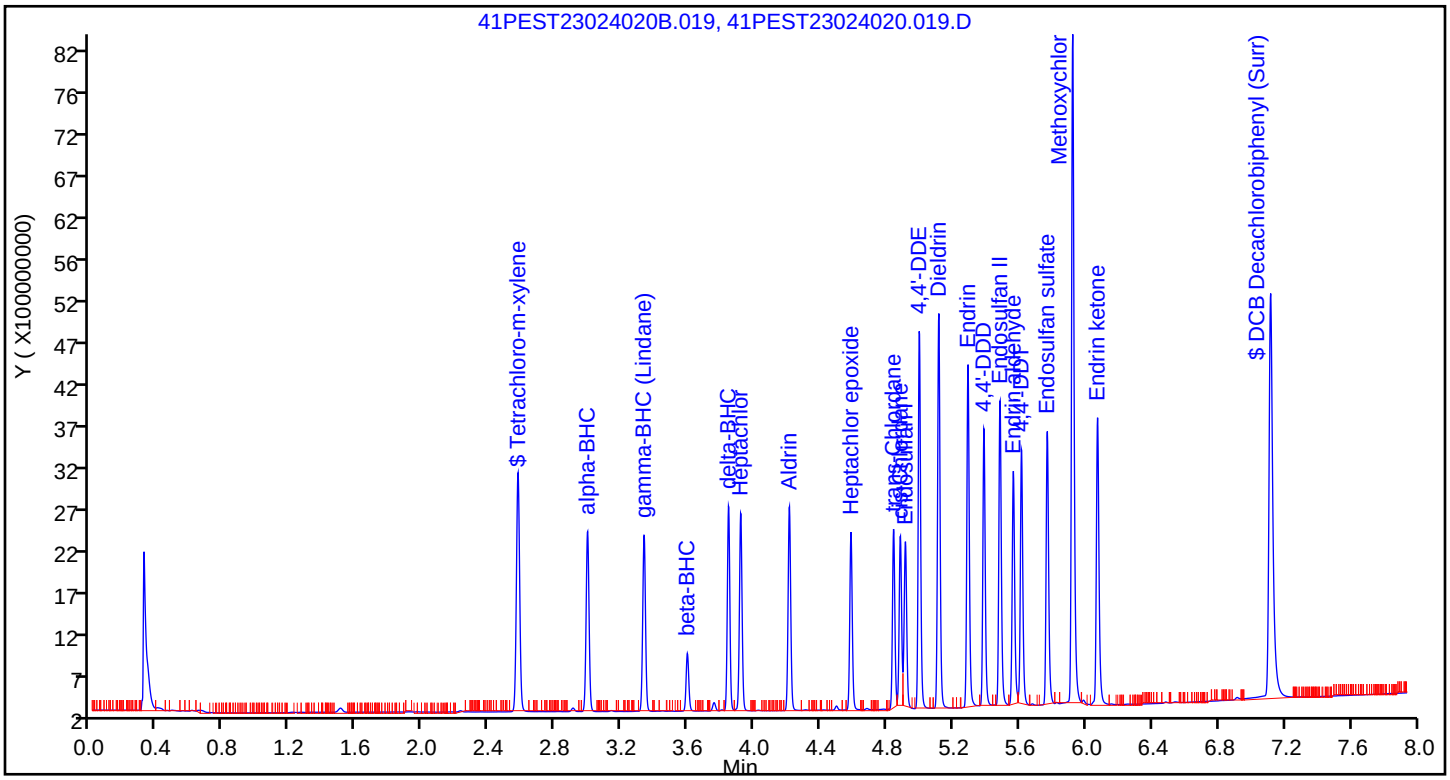
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: PEM 410-349358/7 Calibration Date: 03/02/2023 01:06

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.83	5062458448	0.33	15	
Endrin aldehyde	5.21	7806006			
Endrin ketone	5.80	9078917			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	5.14	7558386156	5.23	15	
p,p'-DDD	4.93	335862097			
p,p'-DDE	4.47	80951841			

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.007.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 02-Mar-2023 01:06:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:55:07 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	1340788925H	20.0	21.2	
2	2.573	2.573	0.000	723742492H	20.0	20.6	
						RPD = 2.81	
2 alpha-BHC							
1	2.457	2.457	0.000	1053061474H	9.95	11.0	
2	2.995	2.993	0.002	1046210368H	9.95	11.1	
						RPD = 0.87	
4 gamma-BHC (Lindane)							
1	2.830	2.830	0.000	980235162H	10.0	11.0	
2	3.335	3.335	0.000	1015331252H	10.0	10.9	
						RPD = 1.02	
5 beta-BHC							
1	3.082	3.082	0.000	473106587H	10.0	11.5	
2	3.597	3.597	0.000	404129272H	10.0	11.7	
						RPD = 1.76	
16 4,4'-DDE							
1	4.468	4.468	0.000	83506515H		0.8089	
2	4.997	4.997	0.000	70231363H		0.6899	
						RPD = 15.88	
19 Endrin							E
1	4.830	4.830	0.000	5344553648H	49.8	57.7	E
2	5.290	5.290	0.000	5821754865H	49.8	62.9	E
						RPD = 8.69	
22 4,4'-DDD							
1	4.933	4.927	0.006	130765806H		1.53	
2	5.392	5.387	0.005	97991436H		1.32	
						RPD = 14.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
25 Endrin aldehyde							
1	5.210	5.212	-0.002	6455195H		0.0848	
2	5.553	5.565	-0.012	4489891H		0.0694	
						RPD = 19.96	
26 4,4'-DDT							E
1	5.137	5.138	-0.001	8812121983H	99.9	150.5	E
2	5.613	5.613	0.000	9063474898H	99.9	140.2	E
						RPD = 7.11	
28 Methoxychlor							E
1	5.633	5.633	0.000	9441517065H	249.2	314.7	E
2	5.922	5.922	0.000	10658965410H	249.2	297.8	E
						RPD = 5.52	
29 Endrin ketone							
1	5.798	5.798	0.000	10381803H		0.1115	
2	6.070	6.073	-0.003	6824957H		0.0859	
						RPD = 25.91	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.543	6.545	-0.002	1975284733H	19.8	21.1	
2	7.117	7.118	-0.001	1298543584H	19.8	21.0	
						RPD = 0.62	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00010 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:55:10 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.007.D

Injection Date: 02-Mar-2023 01:06:00 Instrument ID: 9147

Lims ID: pem

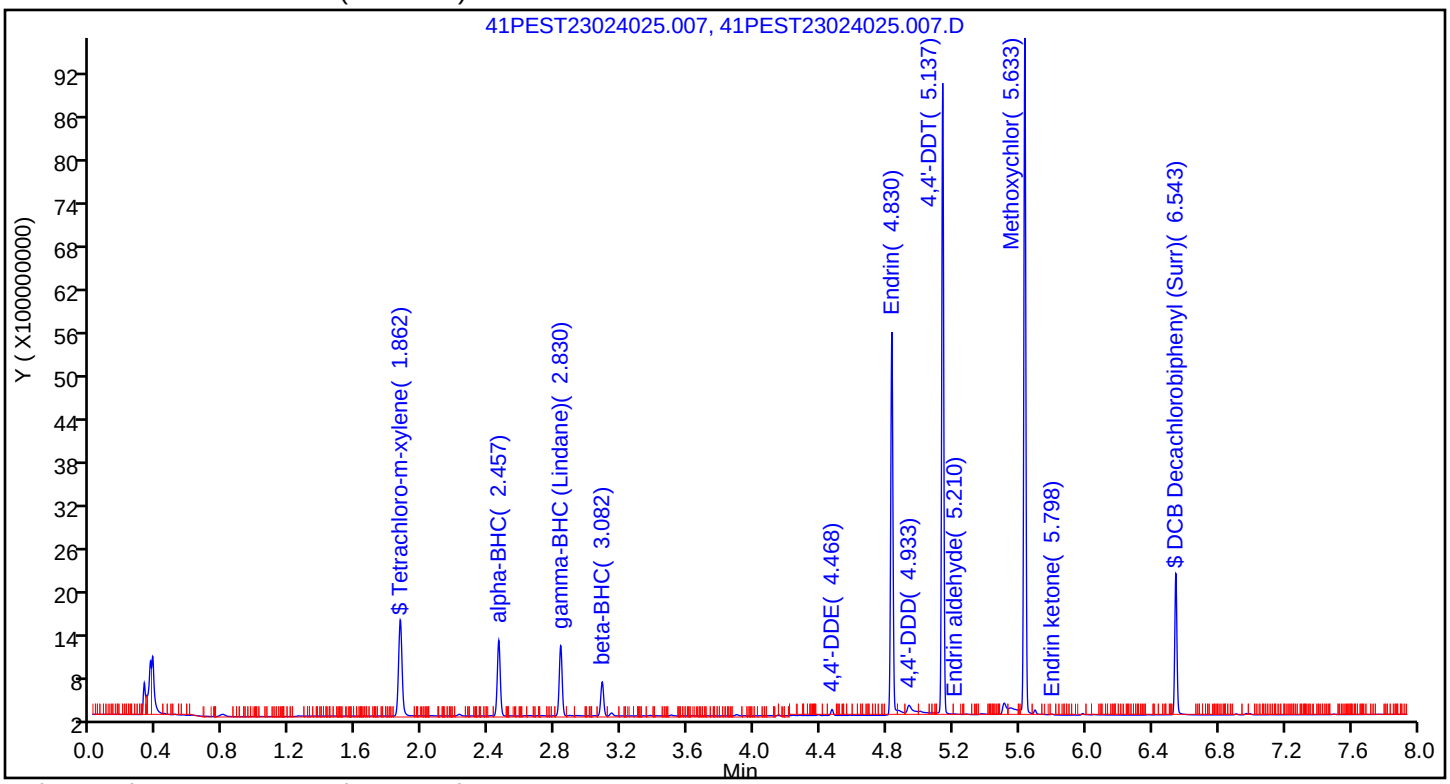
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

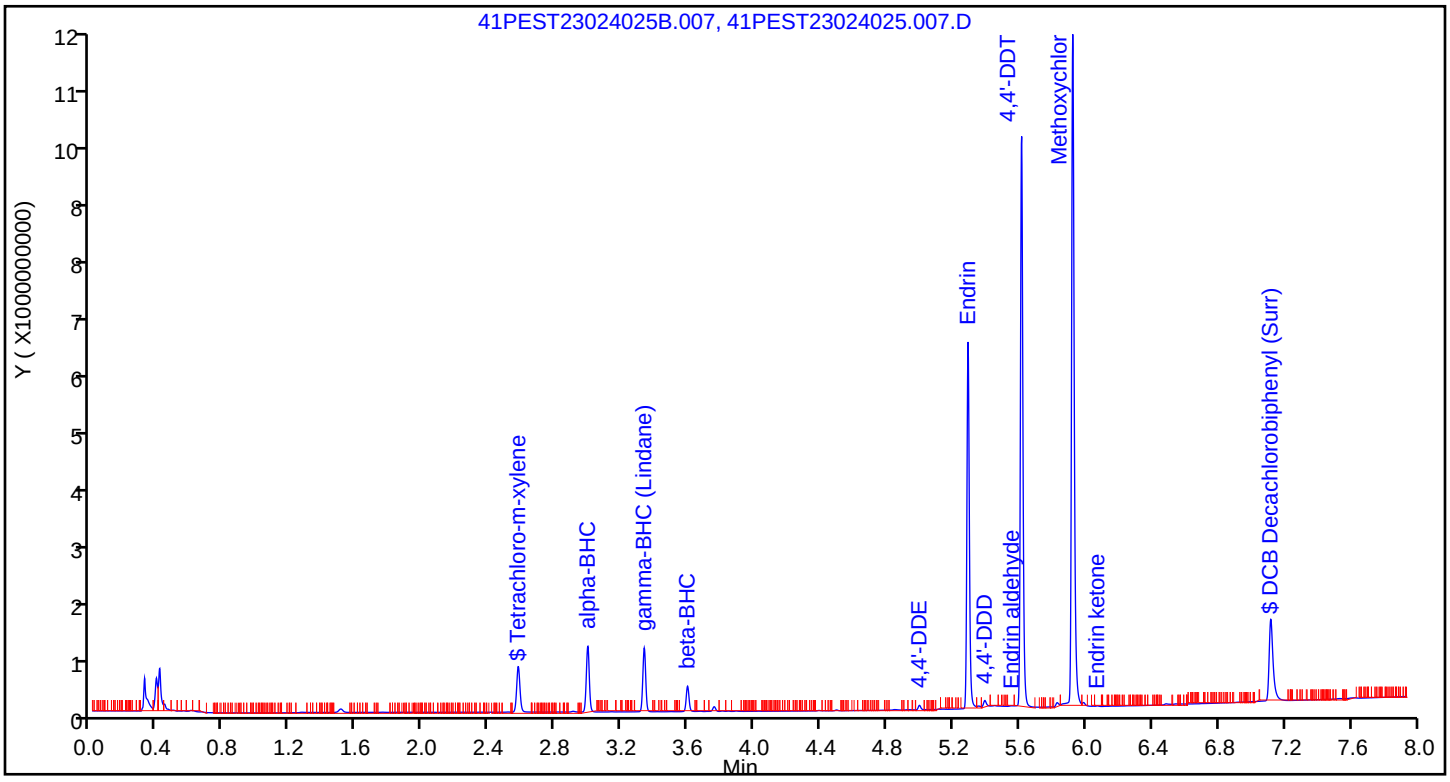
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: PEM 410-349358/7 Calibration Date: 03/02/2023 01:06

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.29	6024536136	0.21	15	
Endrin aldehyde	5.55	5997271			
Endrin ketone	6.07	6677085			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	5.61	9431748927	2.06	15	
p,p'-DDD	5.39	124049128			
p,p'-DDE	5.00	74311039			

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.007.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 02-Mar-2023 01:06:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:55:07 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	1340788925H	20.0	21.2	
2	2.573	2.573	0.000	723742492H	20.0	20.6	
						RPD = 2.81	
2 alpha-BHC							
1	2.457	2.457	0.000	1053061474H	9.95	11.0	
2	2.995	2.993	0.002	1046210368H	9.95	11.1	
						RPD = 0.87	
4 gamma-BHC (Lindane)							
1	2.830	2.830	0.000	980235162H	10.0	11.0	
2	3.335	3.335	0.000	1015331252H	10.0	10.9	
						RPD = 1.02	
5 beta-BHC							
1	3.082	3.082	0.000	473106587H	10.0	11.5	
2	3.597	3.597	0.000	404129272H	10.0	11.7	
						RPD = 1.76	
16 4,4'-DDE							
1	4.468	4.468	0.000	83506515H		0.8089	
2	4.997	4.997	0.000	70231363H		0.6899	
						RPD = 15.88	
19 Endrin							E
1	4.830	4.830	0.000	5344553648H	49.8	57.7	E
2	5.290	5.290	0.000	5821754865H	49.8	62.9	E
						RPD = 8.69	
22 4,4'-DDD							
1	4.933	4.927	0.006	130765806H		1.53	
2	5.392	5.387	0.005	97991436H		1.32	
						RPD = 14.47	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
25 Endrin aldehyde							
1	5.210	5.212	-0.002	6455195H		0.0848	
2	5.553	5.565	-0.012	4489891H		0.0694	
						RPD = 19.96	
26 4,4'-DDT							E
1	5.137	5.138	-0.001	8812121983H	99.9	150.5	E
2	5.613	5.613	0.000	9063474898H	99.9	140.2	E
						RPD = 7.11	
28 Methoxychlor							E
1	5.633	5.633	0.000	9441517065H	249.2	314.7	E
2	5.922	5.922	0.000	10658965410H	249.2	297.8	E
						RPD = 5.52	
29 Endrin ketone							
1	5.798	5.798	0.000	10381803H		0.1115	
2	6.070	6.073	-0.003	6824957H		0.0859	
						RPD = 25.91	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.543	6.545	-0.002	1975284733H	19.8	21.1	
2	7.117	7.118	-0.001	1298543584H	19.8	21.0	
						RPD = 0.62	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00010 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:55:11 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.007.D

Injection Date: 02-Mar-2023 01:06:00 Instrument ID: 9147

Lims ID: pem

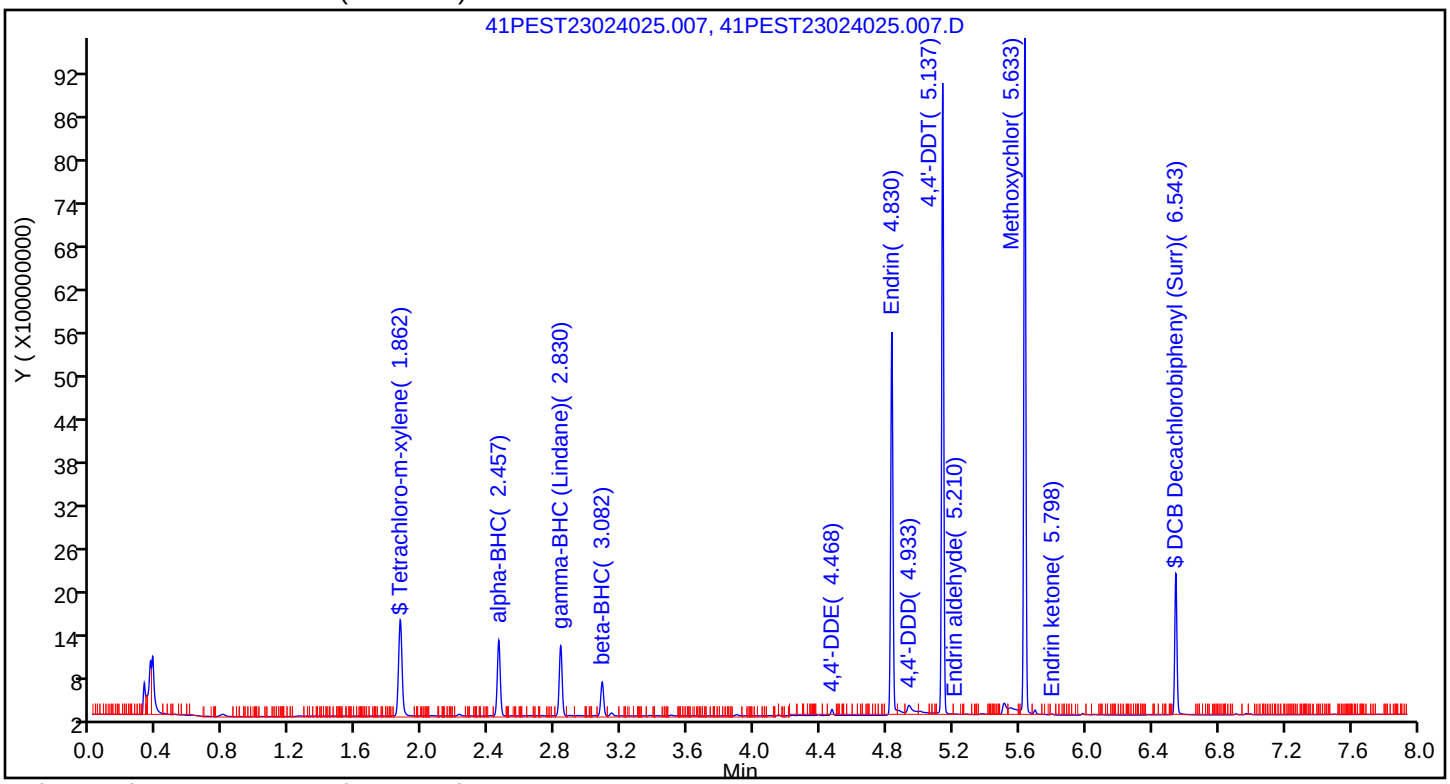
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

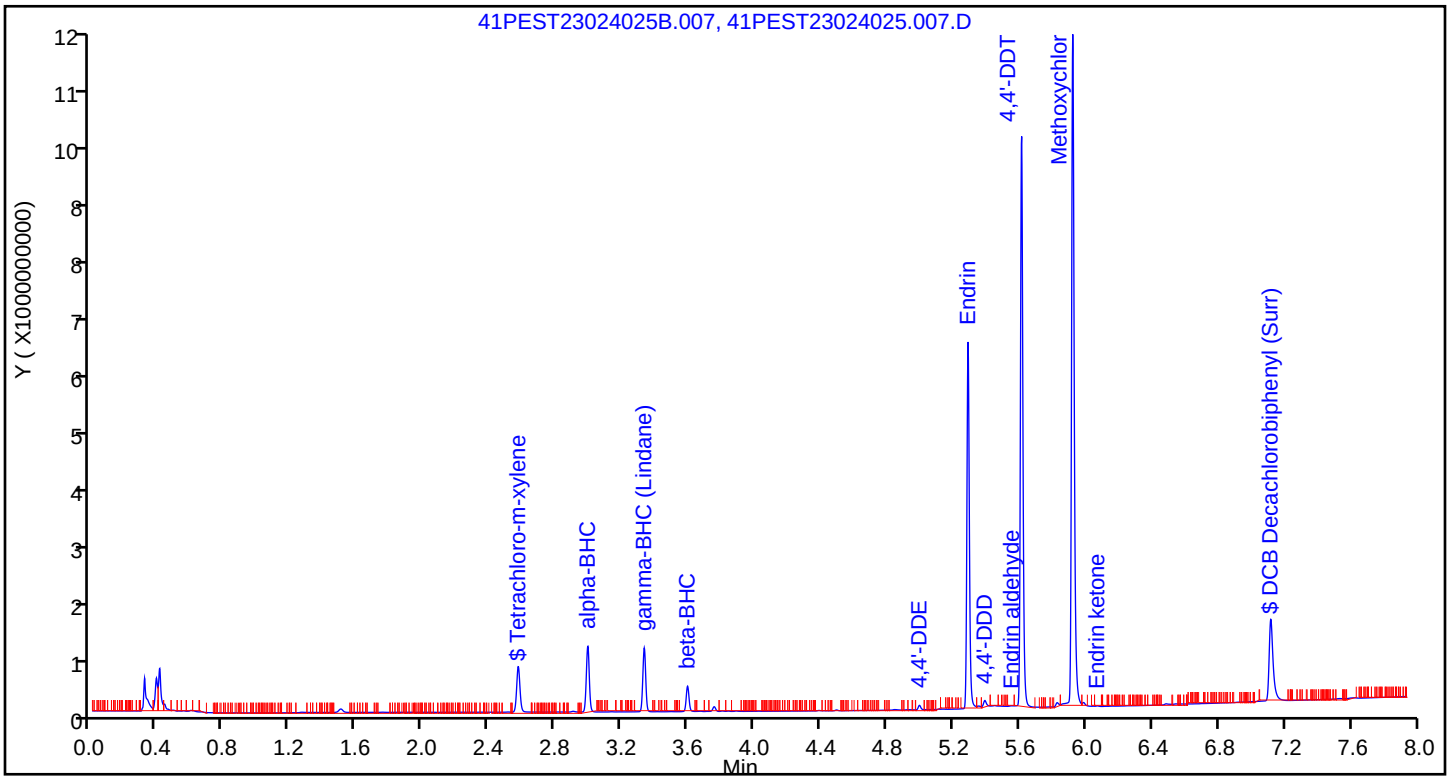
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: PEM 410-349358/55 Calibration Date: 03/02/2023 13:09

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.055.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.83	5320693911	0.60	15	
Endrin aldehyde	5.21	15240648			
Endrin ketone	5.80	16652896			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	5.14	8086364075	4.77	15	
p,p'-DDD	4.93	344078006			
p,p'-DDE	4.47	60576571			

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.055.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 02-Mar-2023 13:09:00 ALS Bottle#: 0 Worklist Smp#: 55
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:25:42 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.860	1.862	-0.002	1360857152H	20.0	21.5	
2	2.572	2.573	-0.001	742531615H	20.0	21.2	
						RPD = 1.73	
2 alpha-BHC							
1	2.455	2.457	-0.002	1059383821H	9.95	11.1	
2	2.990	2.993	-0.003	1067597452H	9.95	11.4	
						RPD = 2.30	
4 gamma-BHC (Lindane)							
1	2.828	2.830	-0.002	1022023060H	10.0	11.4	
2	3.332	3.335	-0.003	1079560531H	10.0	11.5	
						RPD = 0.94	
5 beta-BHC							
1	3.078	3.082	-0.004	495153333H	10.0	12.0	
2	3.593	3.597	-0.004	437249004H	10.0	12.6	
						RPD = 5.08	
16 4,4'-DDE							
1	4.465	4.468	-0.003	62182407H		0.6024	
2	4.993	4.997	-0.004	54815385H		0.5385	
						RPD = 11.20	
19 Endrin							E
1	4.828	4.830	-0.002	5602308057H	49.8	60.5	E
2	5.287	5.290	-0.003	5979964226H	49.8	64.7	E
						RPD = 6.67	
22 4,4'-DDD							
1	4.932	4.927	0.005	122897739H		1.44	
2	5.390	5.387	0.003	153898463H		2.08	
						RPD = 36.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
25 Endrin aldehyde							
1	5.208	5.212	-0.004	9243363H		0.1215	
2	5.550	5.565	-0.015	7295039H		0.1128	
						RPD = 7.39	
26 4,4'-DDT							E
1	5.135	5.138	-0.003	9397668083H	99.9	160.5	E
2	5.610	5.613	-0.003	9144105765H	99.9	141.4	E
						RPD = 12.64	
28 Methoxychlor							E
1	5.630	5.633	-0.003	10073842040H	249.2	335.7	E
2	5.920	5.922	-0.002	10880924023H	249.2	304.0	E
						RPD = 9.93	
29 Endrin ketone							
1	5.795	5.798	-0.003	12455860H		0.1338	
2	6.068	6.073	-0.005	6016820H		0.0757	
						RPD = 55.39	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.542	6.545	-0.003	2075504704H	19.8	22.2	
2	7.115	7.118	-0.003	1333182541H	19.8	21.6	
						RPD = 2.94	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00010 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:25:44 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.055.D

Injection Date: 02-Mar-2023 13:09:00 Instrument ID: 9147

Lims ID: pem

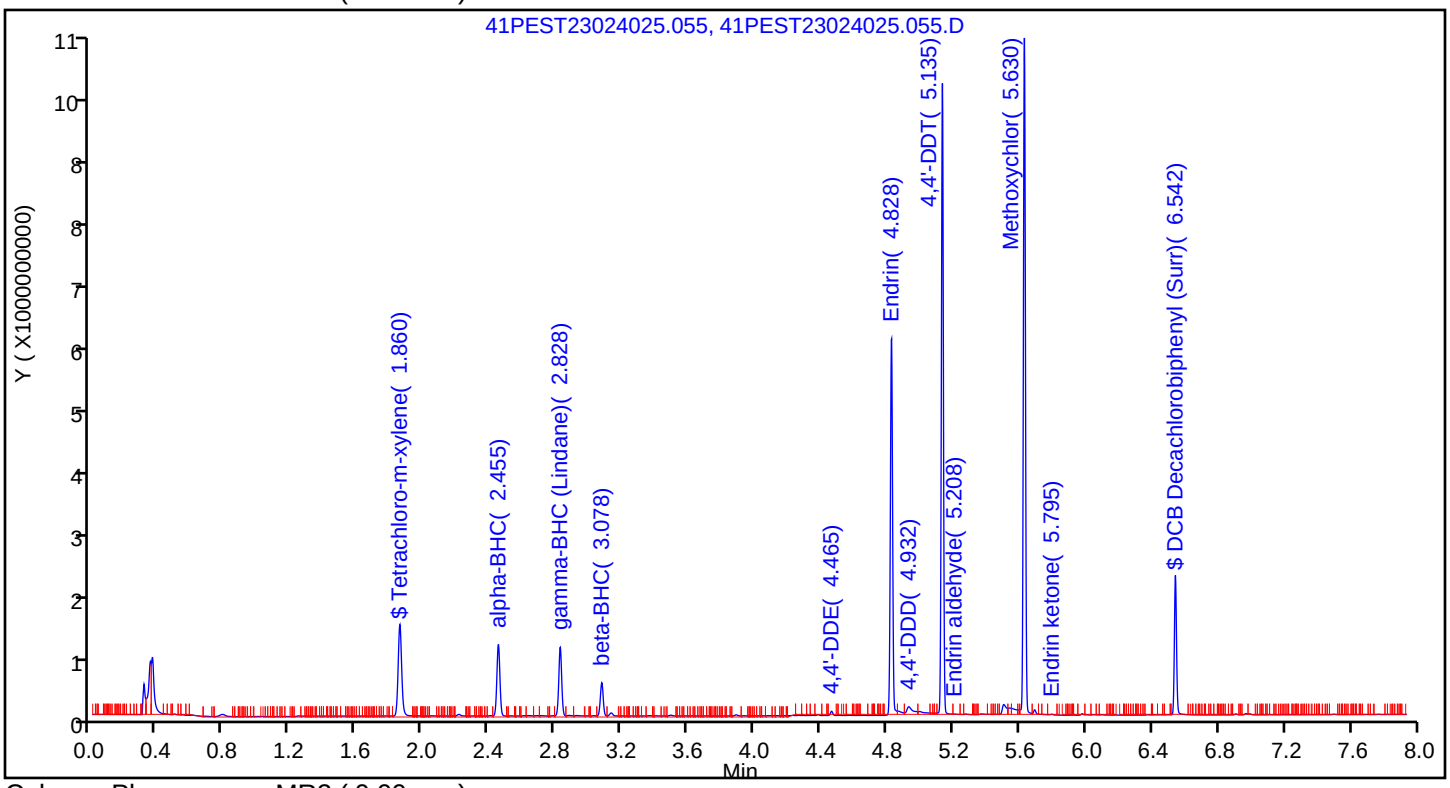
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 55

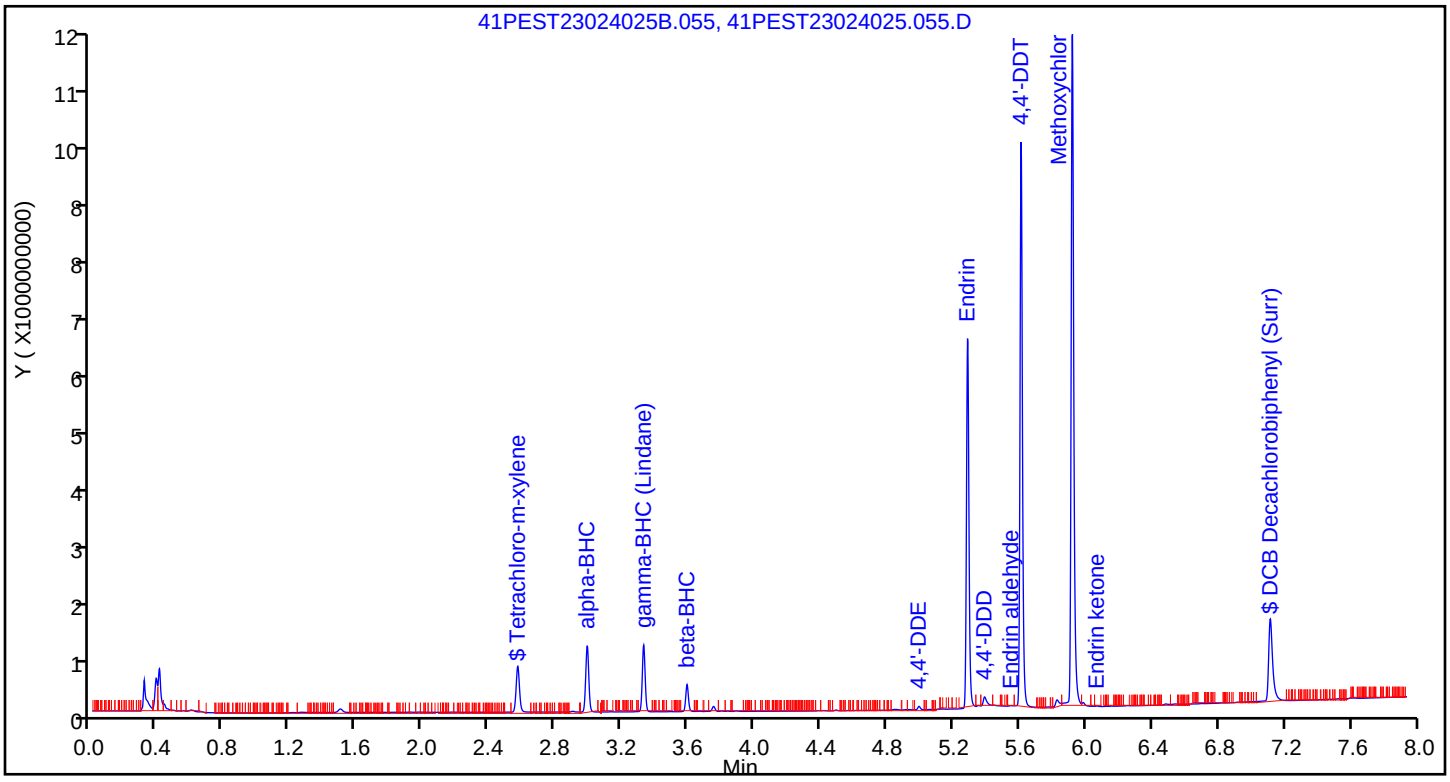
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: PEM 410-349358/55 Calibration Date: 03/02/2023 13:09

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.055.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.29	6280035995	0.28	15	
Endrin aldehyde	5.55	11612143			
Endrin ketone	6.07	5736222			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	5.61	9312469125	3.31	15	
p,p'-DDD	5.39	260649316			
p,p'-DDE	4.99	58561779			

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.055.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 02-Mar-2023 13:09:00 ALS Bottle#: 0 Worklist Smp#: 55
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:25:42 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.860	1.862	-0.002	1360857152H	20.0	21.5	
2	2.572	2.573	-0.001	742531615H	20.0	21.2	
						RPD = 1.73	
2 alpha-BHC							
1	2.455	2.457	-0.002	1059383821H	9.95	11.1	
2	2.990	2.993	-0.003	1067597452H	9.95	11.4	
						RPD = 2.30	
4 gamma-BHC (Lindane)							
1	2.828	2.830	-0.002	1022023060H	10.0	11.4	
2	3.332	3.335	-0.003	1079560531H	10.0	11.5	
						RPD = 0.94	
5 beta-BHC							
1	3.078	3.082	-0.004	495153333H	10.0	12.0	
2	3.593	3.597	-0.004	437249004H	10.0	12.6	
						RPD = 5.08	
16 4,4'-DDE							
1	4.465	4.468	-0.003	62182407H		0.6024	
2	4.993	4.997	-0.004	54815385H		0.5385	
						RPD = 11.20	
19 Endrin							E
1	4.828	4.830	-0.002	5602308057H	49.8	60.5	E
2	5.287	5.290	-0.003	5979964226H	49.8	64.7	E
						RPD = 6.67	
22 4,4'-DDD							
1	4.932	4.927	0.005	122897739H		1.44	
2	5.390	5.387	0.003	153898463H		2.08	
						RPD = 36.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
25 Endrin aldehyde							
1	5.208	5.212	-0.004	9243363H		0.1215	
2	5.550	5.565	-0.015	7295039H		0.1128	
						RPD = 7.39	
26 4,4'-DDT							E
1	5.135	5.138	-0.003	9397668083H	99.9	160.5	E
2	5.610	5.613	-0.003	9144105765H	99.9	141.4	E
						RPD = 12.64	
28 Methoxychlor							E
1	5.630	5.633	-0.003	10073842040H	249.2	335.7	E
2	5.920	5.922	-0.002	10880924023H	249.2	304.0	E
						RPD = 9.93	
29 Endrin ketone							
1	5.795	5.798	-0.003	12455860H		0.1338	
2	6.068	6.073	-0.005	6016820H		0.0757	
						RPD = 55.39	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.542	6.545	-0.003	2075504704H	19.8	22.2	
2	7.115	7.118	-0.003	1333182541H	19.8	21.6	
						RPD = 2.94	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00010 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:25:44 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.055.D

Injection Date: 02-Mar-2023 13:09:00 Instrument ID: 9147

Lims ID: pem

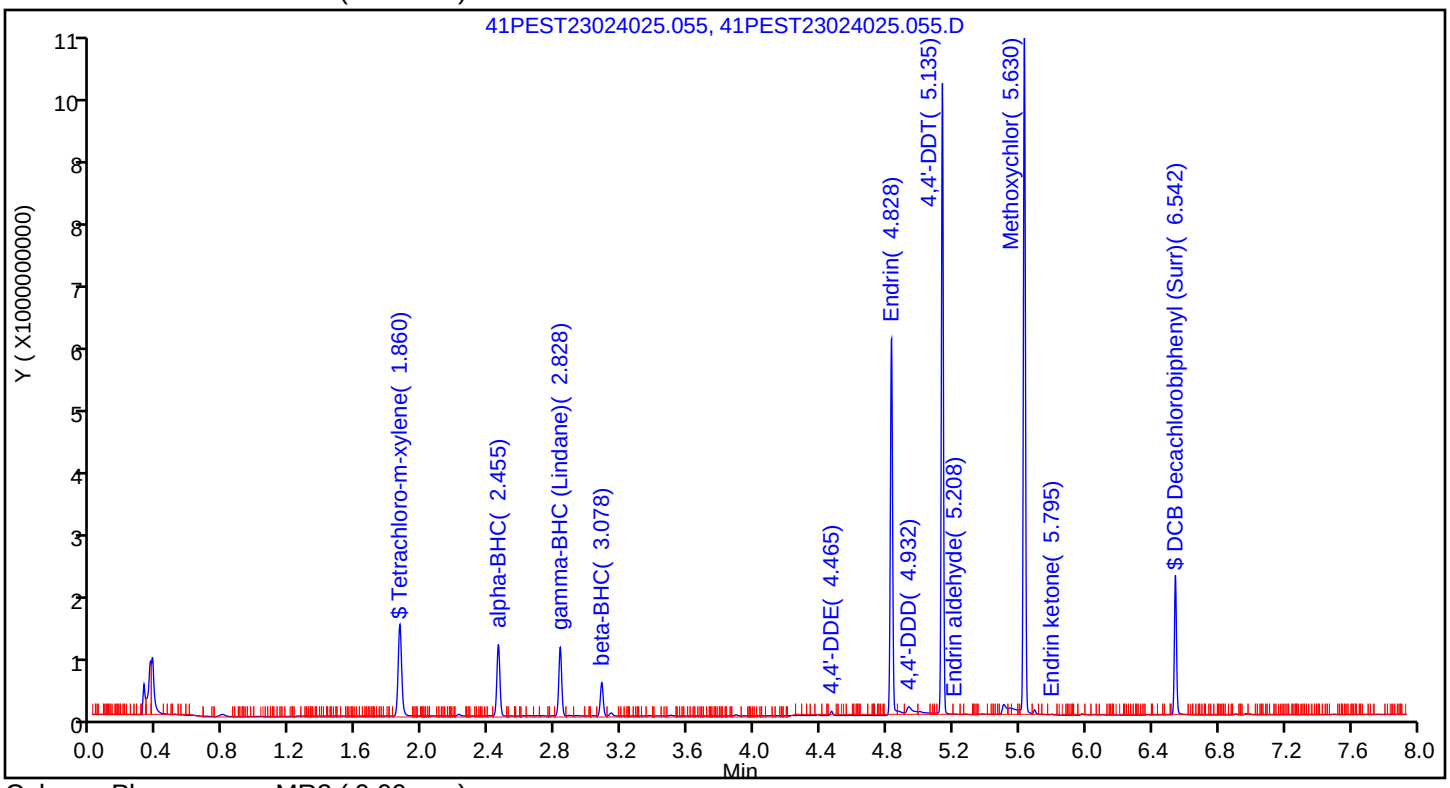
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 55

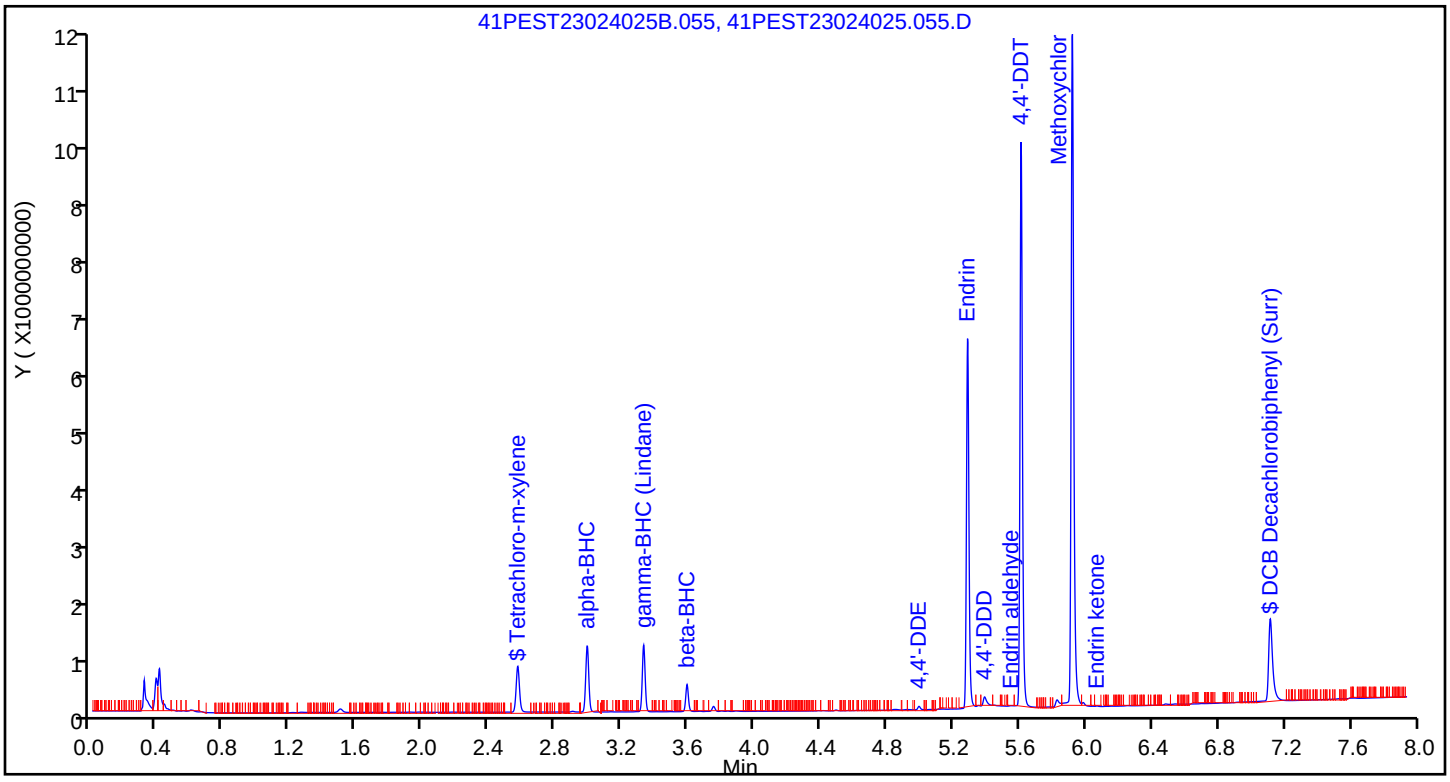
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/38 Calibration Date: 01/25/2023 08:25

Instrument ID: 9147 Calib Start Date: 01/25/2023 02:17

GC Column: MR2 ID: Calib End Date: 01/25/2023 03:30

Lab File ID: 41PEST23024001.038.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	82111553	75106776		4.54	4.96	-8.5	20.0
Telodrin	Ave	63674744	60648231		4.80	5.04	-4.8	20.0
o,p'-DDE	Ave	61836992	57132578		9.27	10.0	-7.6	20.0
o,p'-DDD	Ave	51674386	49437014		9.62	10.1	-4.3	20.0
o,p'-DDT	Ave	46876336	43960664		9.48	10.1	-6.2	20.0
Mirex	Ave	58833611	60286627		25.6	25.0	2.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/38 Calibration Date: 01/25/2023 08:25

Instrument ID: 9147 Calib Start Date: 01/25/2023 02:17

GC Column: MR2 ID: Calib End Date: 01/25/2023 03:30

Lab File ID: 41PEST23024001.038.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	2.38	2.35	2.41
Telodrin	3.64	3.61	3.67
o,p'-DDE	4.24	4.21	4.27
o,p'-DDD	4.65	4.62	4.68
o,p'-DDT	4.87	4.84	4.90
Mirex	5.91	5.88	5.94

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.038.D
Lims ID: icv mixe
Client ID:
Sample Type: ICV
Inject. Date: 25-Jan-2023 08:25:00 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv e
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:34:50 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.382	2.382	0.000	372529610H	4.96	4.54	
2	3.113	3.118	-0.005	457136298H	4.96	4.62	
						RPD = 1.80	
10 Isobenzan							
1	3.635	3.635	0.000	305667082H	5.04	4.80	
2	4.345	4.348	-0.003	366864136H	5.04	4.84	
						RPD = 0.73	
12 2,4'-DDE							
1	4.235	4.235	0.000	573039756H	10.0	9.27	
2	4.737	4.742	-0.005	504804830H	10.0	9.22	
						RPD = 0.54	
17 2,4'-DDD							
1	4.650	4.650	0.000	497336362H	10.1	9.62	
2	5.095	5.098	-0.003	426639851H	10.1	9.46	
						RPD = 1.68	
20 2,4'-DDT							
1	4.870	4.870	0.000	444442310H	10.1	9.48	
2	5.330	5.335	-0.005	464753074H	10.1	9.16	
						RPD = 3.45	
30 Mirex							
1	5.908	5.907	0.001	1507165680H	25.0	25.6	
2	6.455	6.458	-0.003	1031595553H	25.0	24.5	
						RPD = 4.48	

Reagents:

GCS_MixEICV_00014 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:38:04 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.038.D

Injection Date: 25-Jan-2023 08:25:00 Instrument ID: 9147

Lims ID: icv mixe

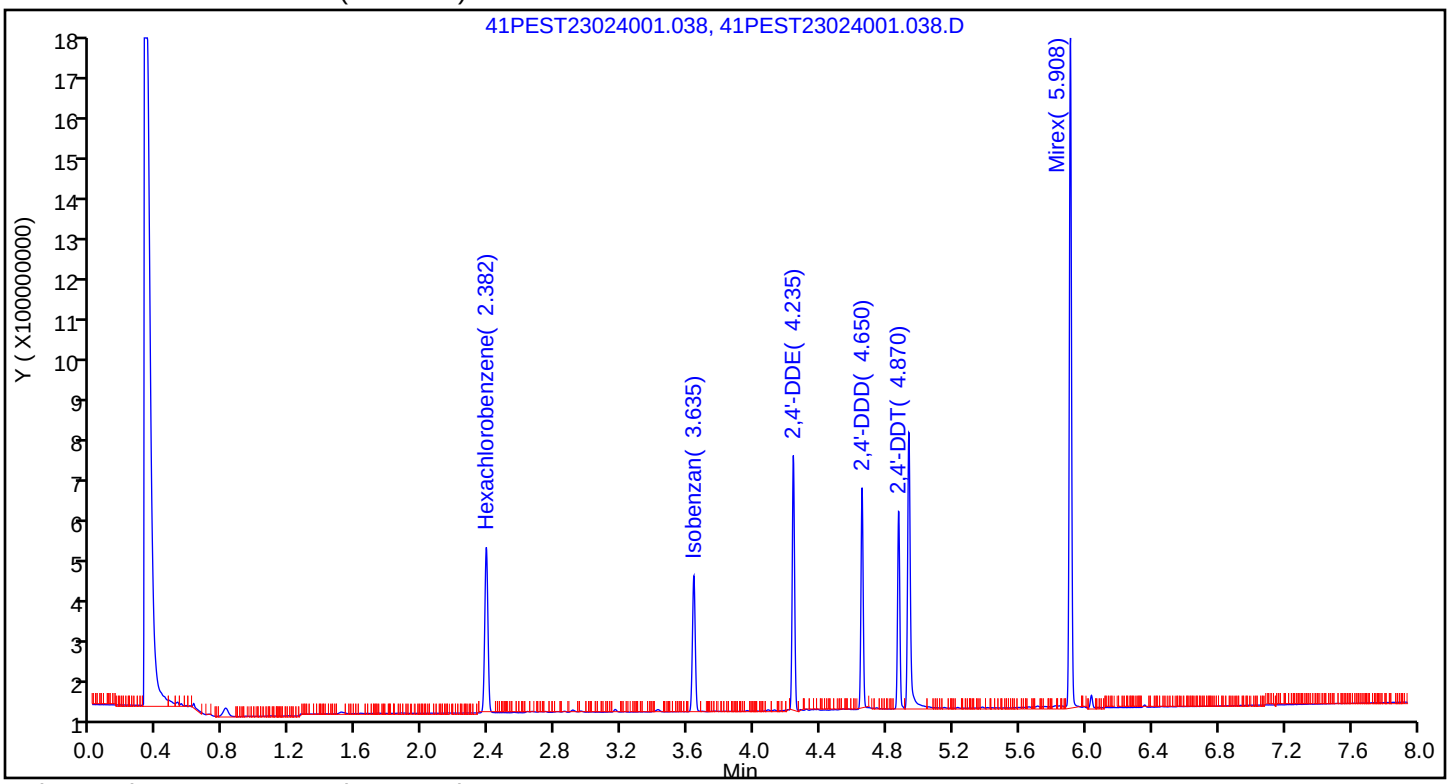
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 38

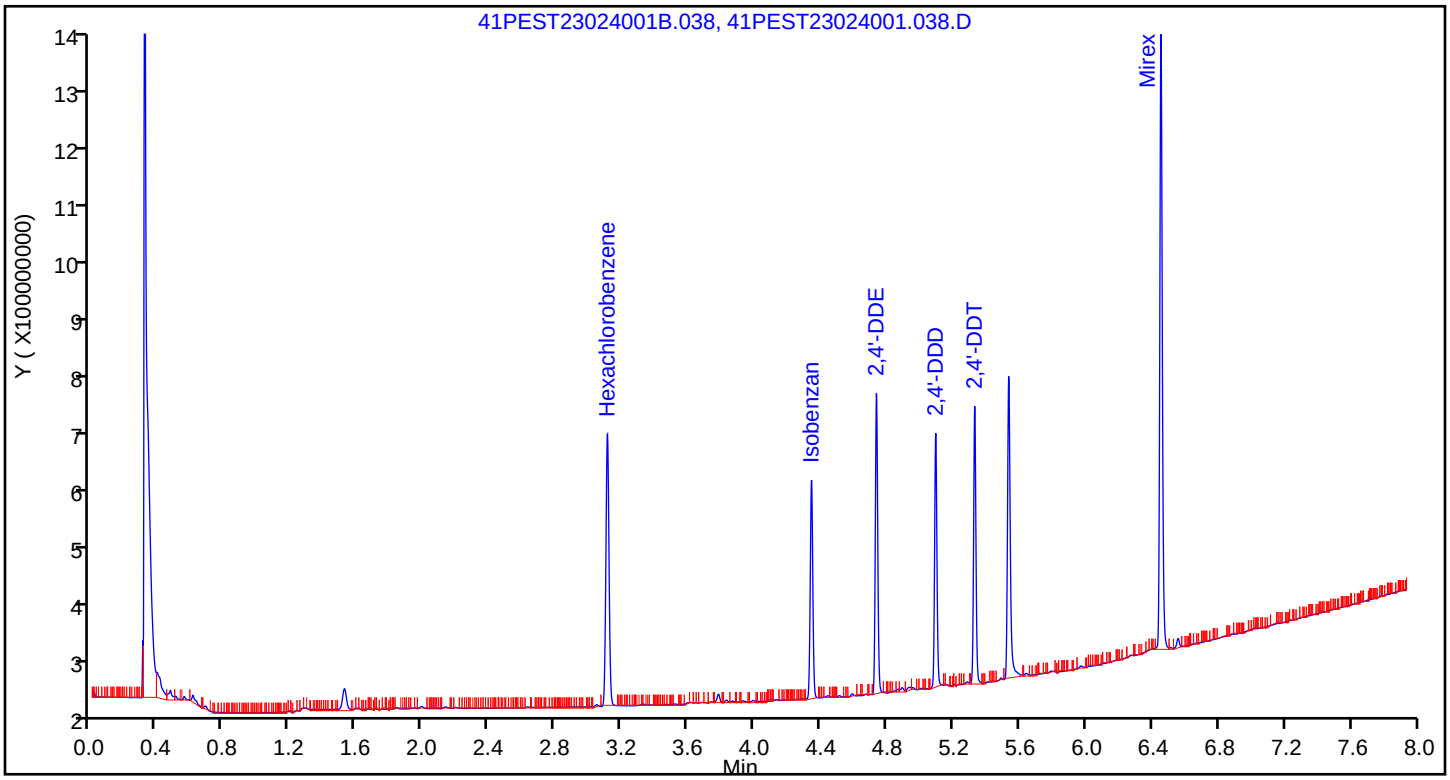
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/38 Calibration Date: 01/25/2023 08:25

Instrument ID: 9147 Calib Start Date: 01/25/2023 02:17

GC Column: MR2 ID: Calib End Date: 01/25/2023 03:30

Lab File ID: 41PEST23024001.038.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	98960871	92164576		4.62	4.96	-6.9	20.0
Telodrin	Ave	75867145	72790503		4.84	5.04	-4.1	20.0
o,p'-DDE	Ave	54766476	50329495		9.22	10.0	-8.1	20.0
o,p'-DDD	Ave	45078481	42409528		9.46	10.1	-5.9	20.0
o,p'-DDT	Ave	50736913	45969641		9.16	10.1	-9.4	20.0
Mirex	Ave	42115430	41263822		24.5	25.0	-2.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/38 Calibration Date: 01/25/2023 08:25

Instrument ID: 9147 Calib Start Date: 01/25/2023 02:17

GC Column: MR2 ID: Calib End Date: 01/25/2023 03:30

Lab File ID: 41PEST23024001.038.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	3.11	3.09	3.15
Telodrin	4.35	4.32	4.38
o,p'-DDE	4.74	4.71	4.77
o,p'-DDD	5.10	5.07	5.13
o,p'-DDT	5.33	5.31	5.37
Mirex	6.46	6.43	6.49

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.038.D
Lims ID: icv mixe
Client ID:
Sample Type: ICV
Inject. Date: 25-Jan-2023 08:25:00 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv e
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:34:50 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Hexachlorobenzene							
1	2.382	2.382	0.000	372529610H	4.96	4.54	
2	3.113	3.118	-0.005	457136298H	4.96	4.62	
						RPD = 1.80	
10 Isobenzan							
1	3.635	3.635	0.000	305667082H	5.04	4.80	
2	4.345	4.348	-0.003	366864136H	5.04	4.84	
						RPD = 0.73	
12 2,4'-DDE							
1	4.235	4.235	0.000	573039756H	10.0	9.27	
2	4.737	4.742	-0.005	504804830H	10.0	9.22	
						RPD = 0.54	
17 2,4'-DDD							
1	4.650	4.650	0.000	497336362H	10.1	9.62	
2	5.095	5.098	-0.003	426639851H	10.1	9.46	
						RPD = 1.68	
20 2,4'-DDT							
1	4.870	4.870	0.000	444442310H	10.1	9.48	
2	5.330	5.335	-0.005	464753074H	10.1	9.16	
						RPD = 3.45	
30 Mirex							
1	5.908	5.907	0.001	1507165680H	25.0	25.6	
2	6.455	6.458	-0.003	1031595553H	25.0	24.5	
						RPD = 4.48	

Reagents:

GCS_MixEICV_00014 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:38:05 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.038.D

Injection Date: 25-Jan-2023 08:25:00 Instrument ID: 9147

Lims ID: icv mixe

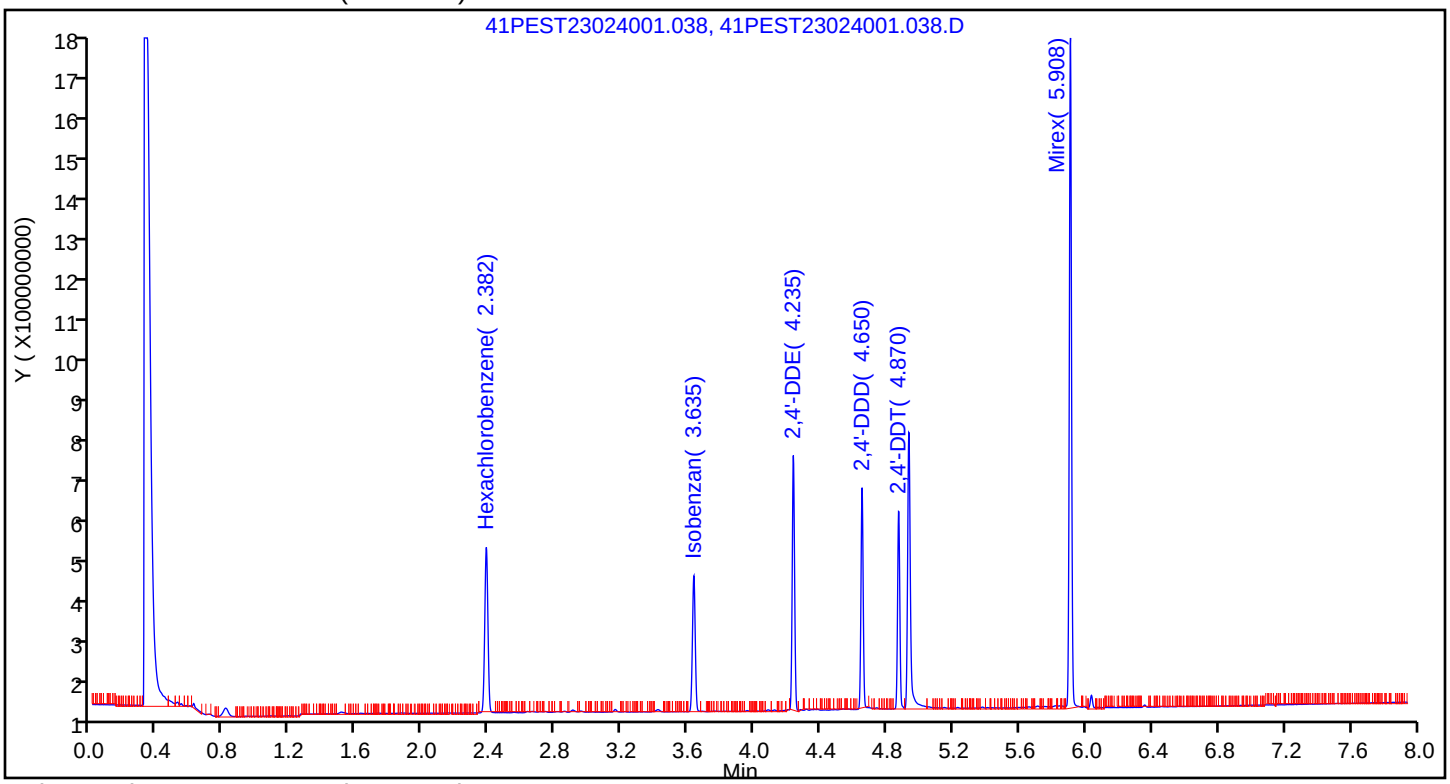
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 38

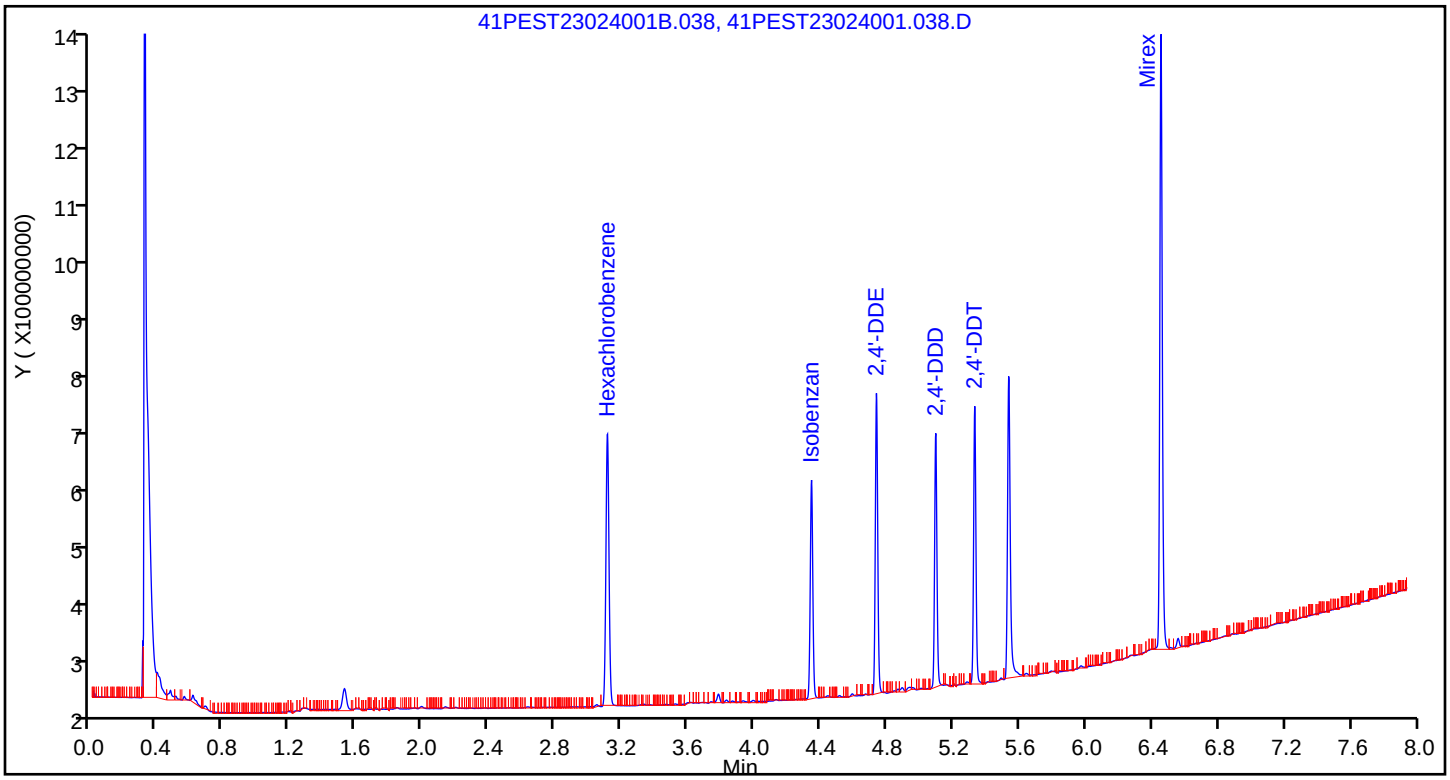
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/39 Calibration Date: 01/25/2023 08:40

Instrument ID: 9147 Calib Start Date: 01/25/2023 03:45

GC Column: MR2 ID: Calib End Date: 01/25/2023 04:59

Lab File ID: 41PEST23024001.039.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Kepone	Ave	40192285	38451653		76.0	79.4	-4.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/39 Calibration Date: 01/25/2023 08:40

Instrument ID: 9147 Calib Start Date: 01/25/2023 03:45

GC Column: MR2 ID: Calib End Date: 01/25/2023 04:59

Lab File ID: 41PEST23024001.039.D

Analyte	RT	RT WINDOW	
		FROM	TO
Kepone	4.93	4.90	4.96

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.039.D
Lims ID: icv kep
Client ID:
Sample Type: ICV
Inject. Date: 25-Jan-2023 08:40:00 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv k
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:34:50 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Kepone							
1	4.932	4.933	-0.001	3054599285H	79.4	76.0	
2	5.535	5.535	0.000	2647956989H	79.4	74.6	
						RPD = 1.79	

Reagents:

GCS_KepICV_00020 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:38:08 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.039.D

Injection Date: 25-Jan-2023 08:40:00 Instrument ID: 9147

Lims ID: icv kep

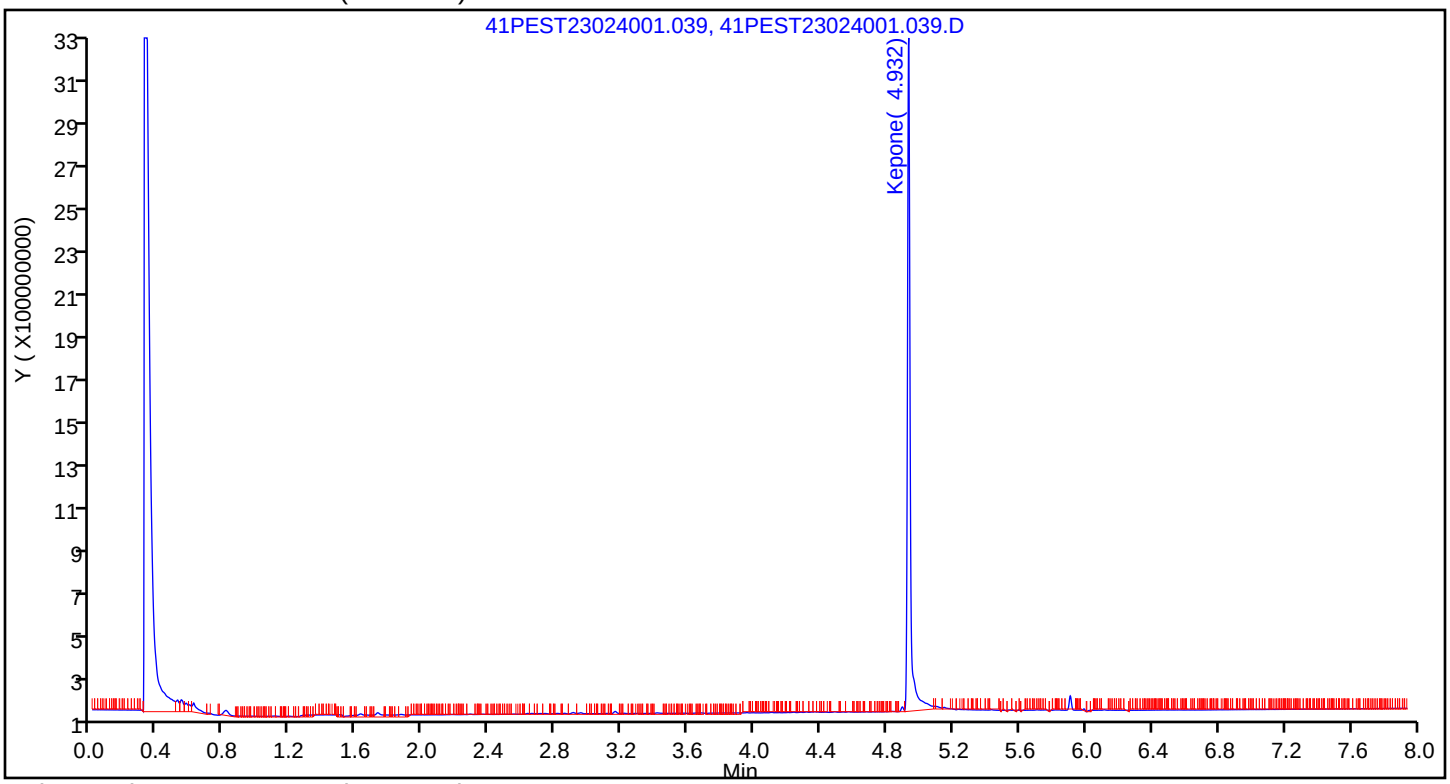
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 39

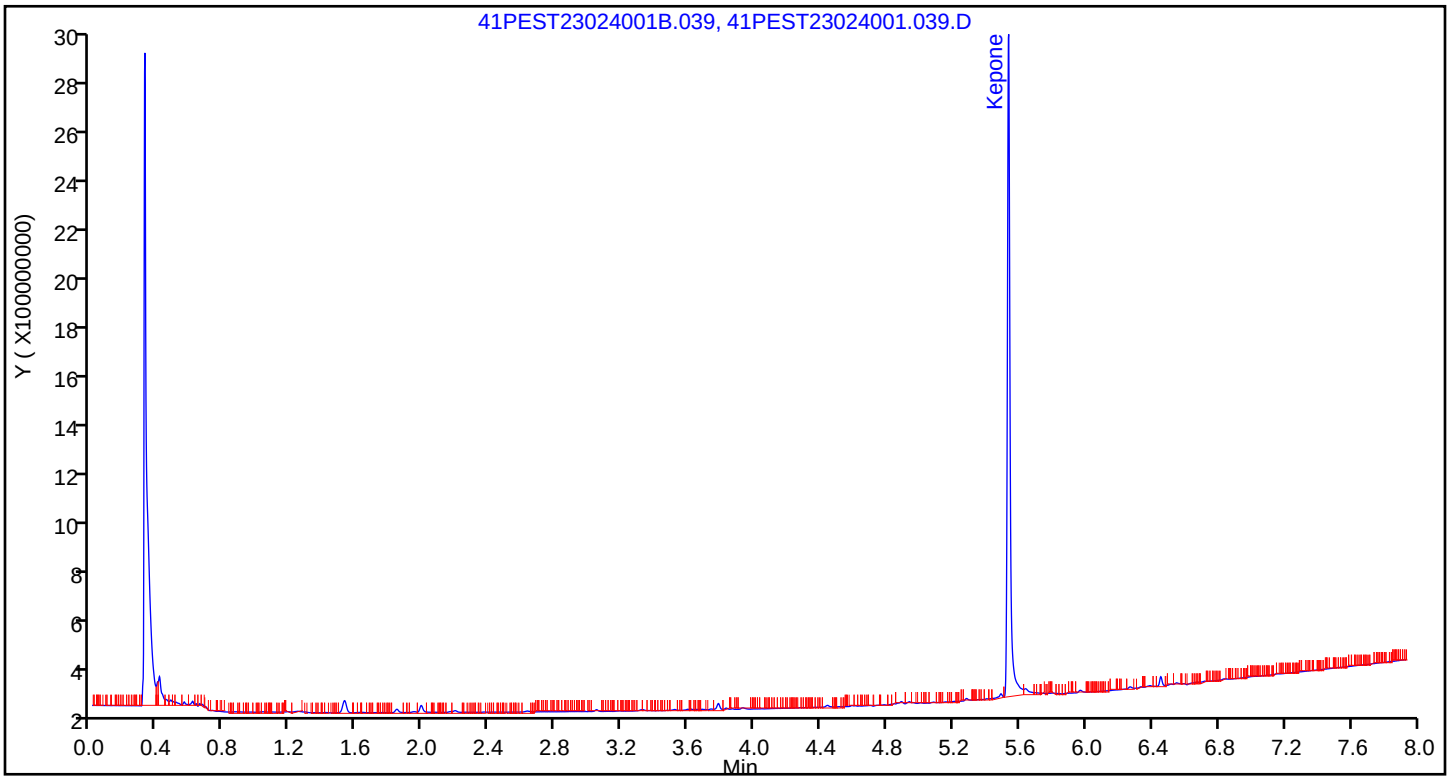
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/39 Calibration Date: 01/25/2023 08:40

Instrument ID: 9147 Calib Start Date: 01/25/2023 03:45

GC Column: MR2 ID: Calib End Date: 01/25/2023 04:59

Lab File ID: 41PEST23024001.039.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Kepone	Ave	35471635	33332792		74.6	79.4	-6.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/39 Calibration Date: 01/25/2023 08:40

Instrument ID: 9147 Calib Start Date: 01/25/2023 03:45

GC Column: MR2 ID: Calib End Date: 01/25/2023 04:59

Lab File ID: 41PEST23024001.039.D

Analyte	RT	RT WINDOW	
		FROM	TO
Kepone	5.54	5.51	5.57

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.039.D
Lims ID: icv kep
Client ID:
Sample Type: ICV
Inject. Date: 25-Jan-2023 08:40:00 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv k
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:34:50 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Kepone							
1	4.932	4.933	-0.001	3054599285H	79.4	76.0	
2	5.535	5.535	0.000	2647956989H	79.4	74.6	
						RPD = 1.79	

Reagents:

GCS_KepICV_00020 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:38:08 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.039.D

Injection Date: 25-Jan-2023 08:40:00 Instrument ID: 9147

Lims ID: icv kep

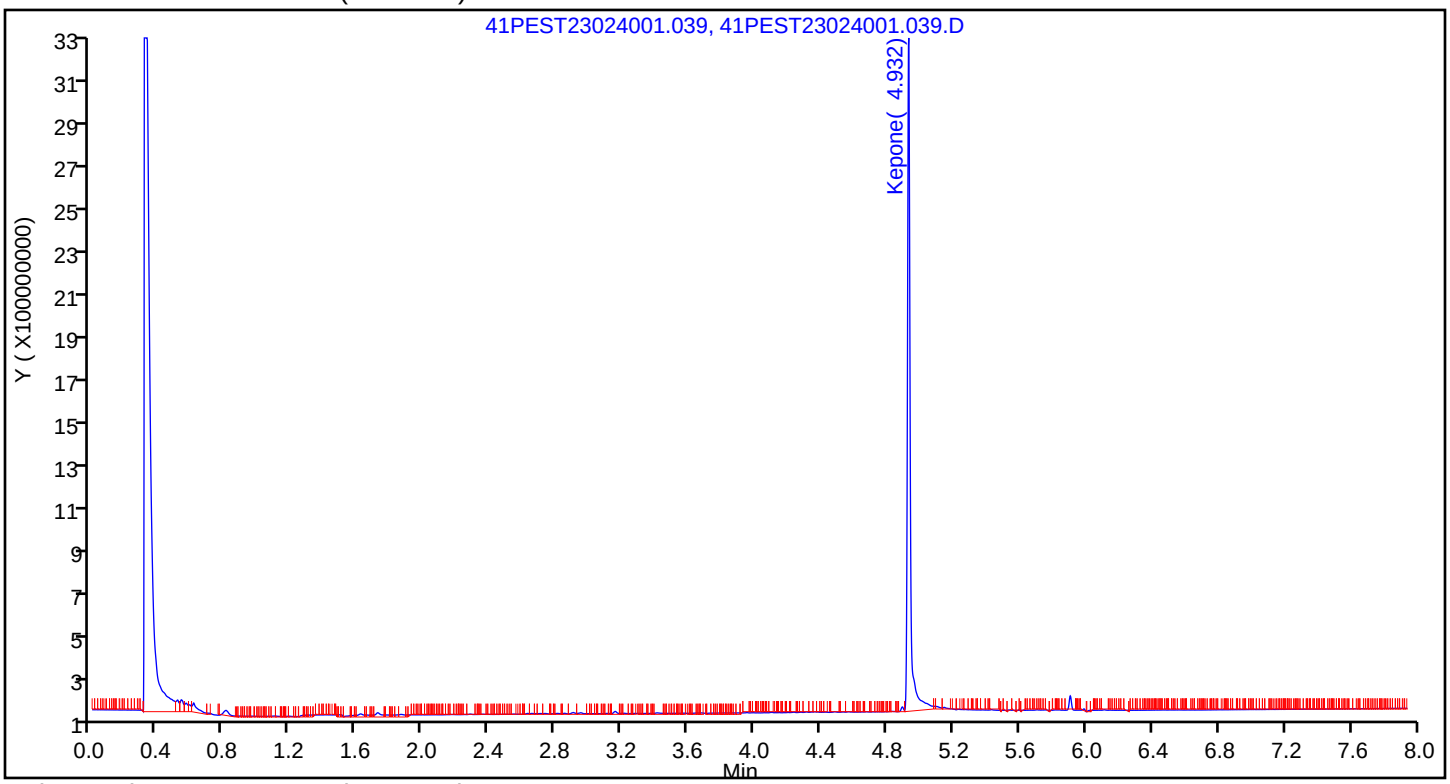
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 39

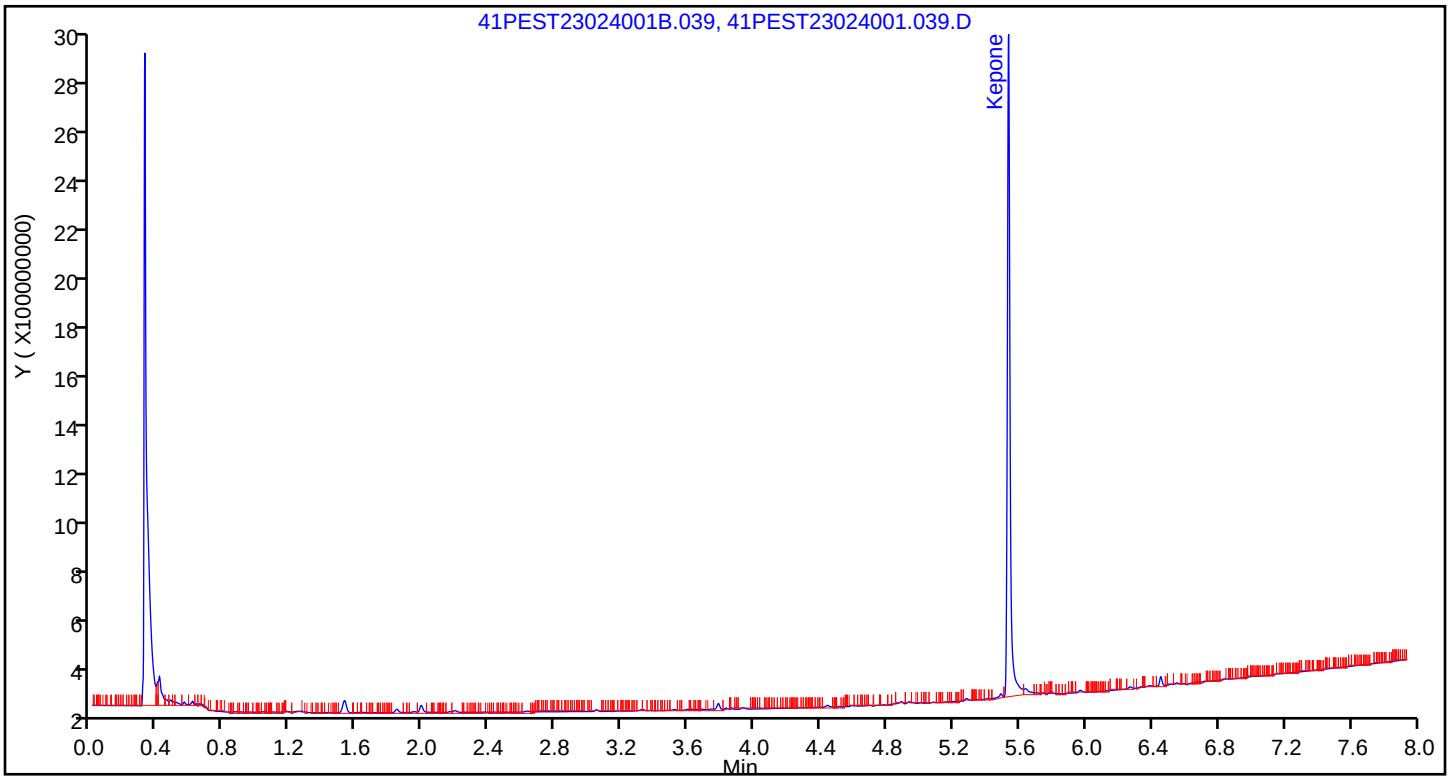
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/40 Calibration Date: 01/25/2023 08:55

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024001.040.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 5	Ave	870979	885969		512	504	1.7	20.0
Toxaphene Peak 1	Ave	1108485	1178883		535	504	6.4	20.0
Toxaphene Peak 2	Ave	1500516	1577503		529	504	5.1	20.0
Toxaphene Peak 3	Ave	1884364	1939578		518	504	2.9	20.0
Toxaphene Peak 4	Ave	1460165	1484343		512	504	1.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/40 Calibration Date: 01/25/2023 08:55

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024001.040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 5	4.87	4.84	4.90
Toxaphene Peak 1	5.07	5.04	5.10
Toxaphene Peak 2	5.29	5.26	5.32
Toxaphene Peak 3	5.67	5.64	5.70
Toxaphene Peak 4	5.91	5.88	5.94

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.040.D
Lims ID: icv tox
Client ID:
Sample Type: ICV
Inject. Date: 25-Jan-2023 08:55:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv t
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:34:50 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.073	5.073	0.000	593567715H	503.5	535.5	
1	5.288	5.288	0.000	794272759H	503.5	529.3	
1	5.670	5.668	0.002	976577392H	503.5	518.3	
1	5.913	5.912	0.001	747366650H	503.5	511.8	
1	4.872	4.870	0.002	446085354H	503.5	512.2	
		Average of Peak Amounts =				521.4	
2	5.558	5.557	0.001	558822214H	503.5	563.2	
2	5.735	5.733	0.002	795692137H	503.5	561.0	
2	5.870	5.870	0.000	635577752H	503.5	544.8	
2	6.117	6.115	0.002	658806155H	503.5	536.0	
2	6.370	6.368	0.002	480640313H	503.5	521.7	
		Average of Peak Amounts =				545.3	
						RPD = 4.49	

Reagents:

GCS_TOXICV_00013 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:38:14 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.040.D

Injection Date: 25-Jan-2023 08:55:00 Instrument ID: 9147

Lims ID: icv tox

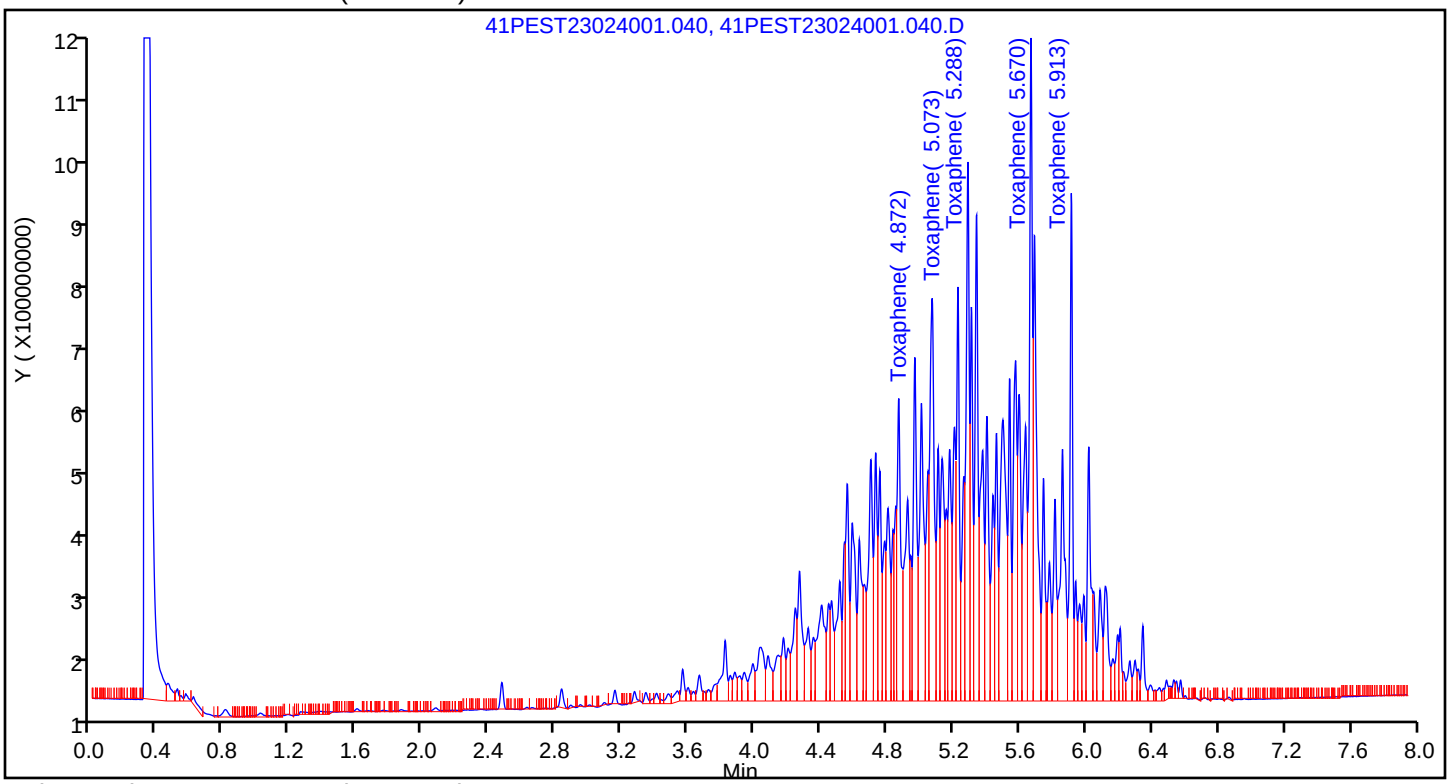
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 40

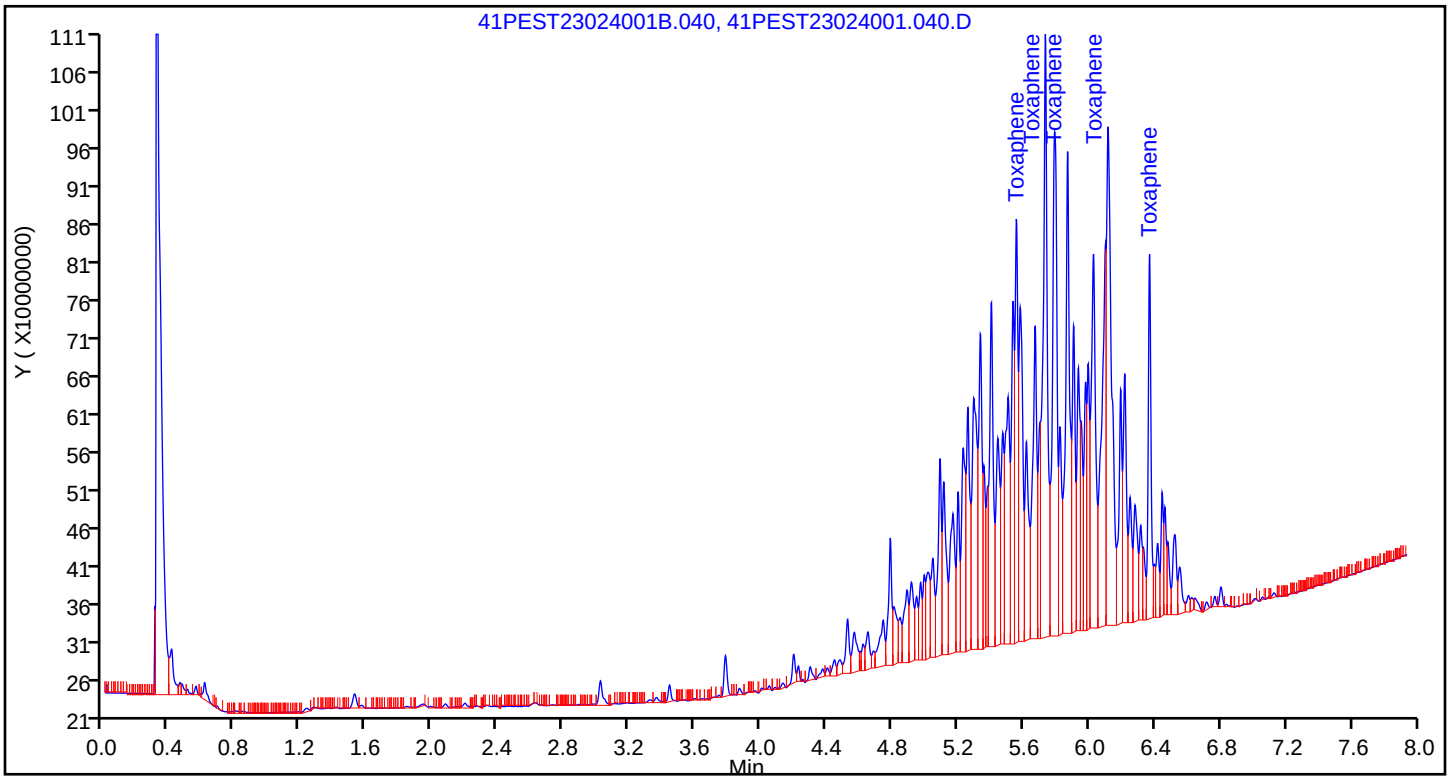
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/40 Calibration Date: 01/25/2023 08:55

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024001.040.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	992201	1109875		563	504	11.9	20.0
Toxaphene Peak 2	Ave	1418450	1580322		561	504	11.4	20.0
Toxaphene Peak 3	Ave	1166664	1262319		545	504	8.2	20.0
Toxaphene Peak 4	Ave	1229009	1308453		536	504	6.5	20.0
Toxaphene Peak 5	Ave	921278	954598		522	504	3.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-338162/40 Calibration Date: 01/25/2023 08:55

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024001.040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.56	5.53	5.59
Toxaphene Peak 2	5.74	5.70	5.76
Toxaphene Peak 3	5.87	5.84	5.90
Toxaphene Peak 4	6.12	6.09	6.15
Toxaphene Peak 5	6.37	6.34	6.40

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.040.D
Lims ID: icv tox
Client ID:
Sample Type: ICV
Inject. Date: 25-Jan-2023 08:55:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv t
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 25-Jan-2023 13:34:50 Calib Date: 25-Jan-2023 07:56:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.036.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1655

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.073	5.073	0.000	593567715H	503.5	535.5	
1	5.288	5.288	0.000	794272759H	503.5	529.3	
1	5.670	5.668	0.002	976577392H	503.5	518.3	
1	5.913	5.912	0.001	747366650H	503.5	511.8	
1	4.872	4.870	0.002	446085354H	503.5	512.2	
		Average of Peak Amounts =				521.4	
2	5.558	5.557	0.001	558822214H	503.5	563.2	
2	5.735	5.733	0.002	795692137H	503.5	561.0	
2	5.870	5.870	0.000	635577752H	503.5	544.8	
2	6.117	6.115	0.002	658806155H	503.5	536.0	
2	6.370	6.368	0.002	480640313H	503.5	521.7	
		Average of Peak Amounts =				545.3	
						RPD = 4.49	

Reagents:

GCS_TOXICV_00013 Amount Added: 1.00 Units: mL

Report Date: 25-Jan-2023 13:38:14 Chrom Revision: 2.3 17-Jan-2023 20:47:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230124-75679.b\41PEST23024001.040.D

Injection Date: 25-Jan-2023 08:55:00 Instrument ID: 9147

Lims ID: icv tox

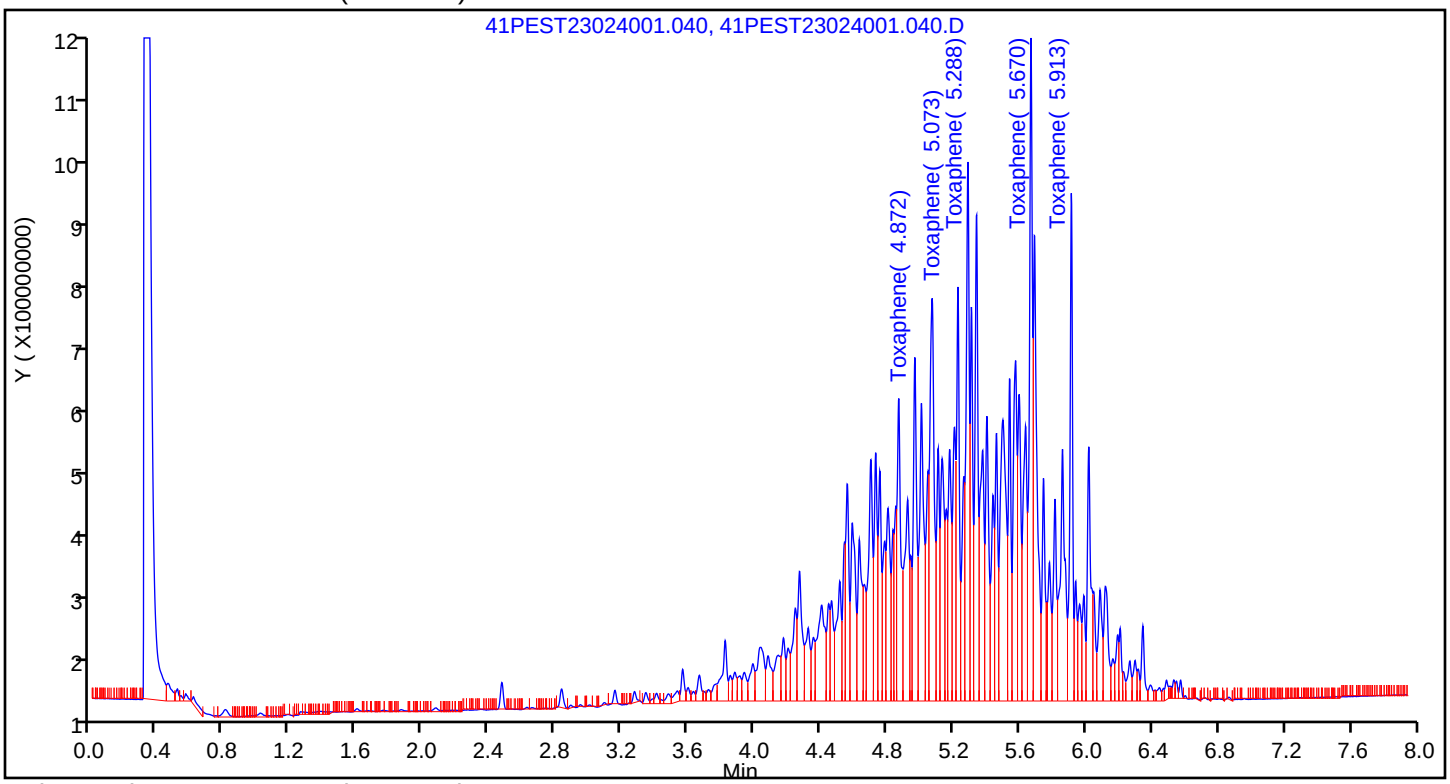
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 40

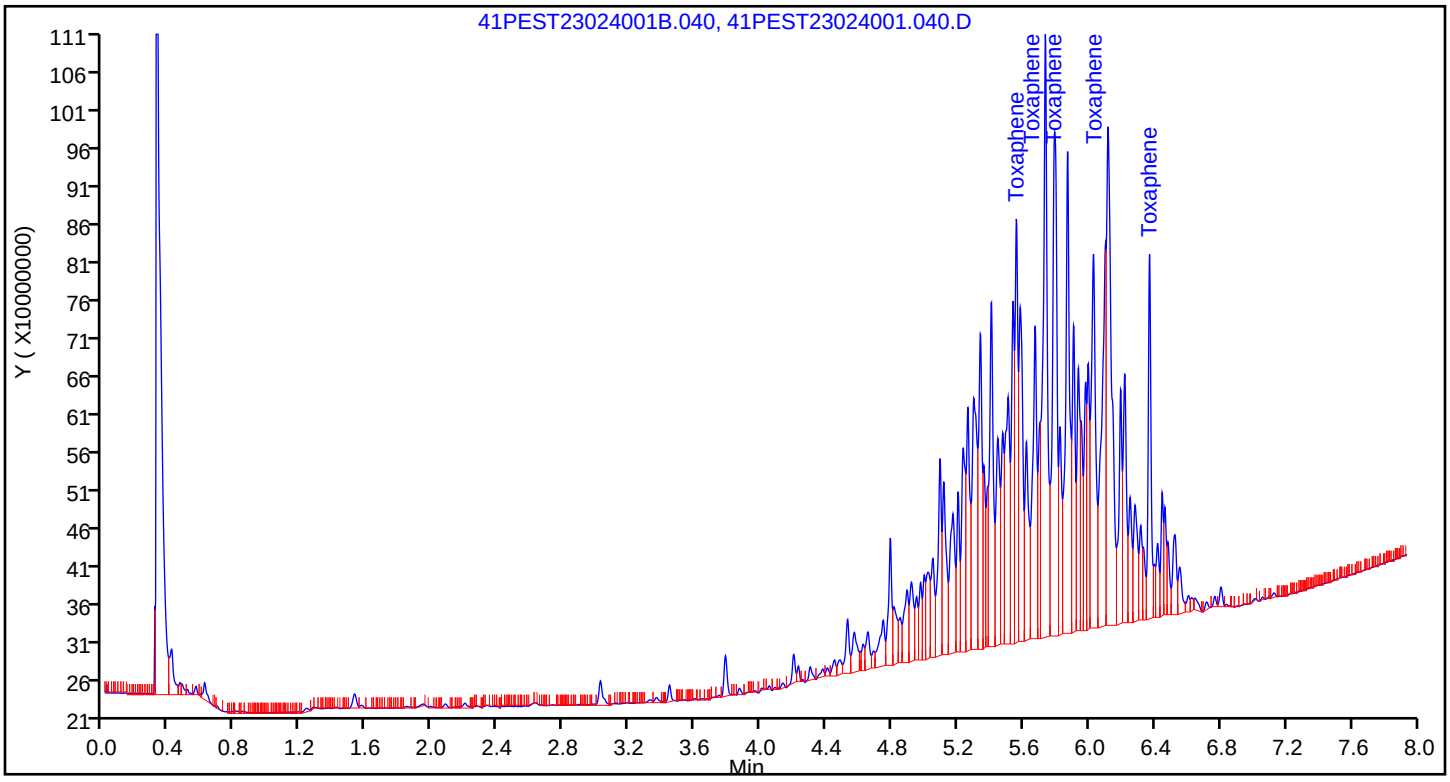
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-347154/21 Calibration Date: 02/23/2023 09:18

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024020.021.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	95413059	96229909		10.1	9.98	0.9	20.0
gamma-BHC (Lindane)	Ave	89325514	91070328		10.2	9.98	2.0	20.0
beta-BHC	Ave	41291489	44248955		10.7	10.0	7.2	20.0
Heptachlor	Ave	78126432	78997363		10.1	10.0	1.1	20.0
delta-BHC	Ave	103447733	102696886		9.93	10.0	-0.7	20.0
Aldrin	Ave	96790056	89437117		9.26	10.0	-7.6	20.0
Heptachlor epoxide	Ave	92662726	92065234		9.94	10.0	-0.6	20.0
gamma-Chlordane	Ave	97872536	86206049		8.81	10.0	-11.9	20.0
alpha-Chlordane	Ave	98565577	98642190		10.0	10.0	0.0	20.0
Endosulfan I	Ave	92619368	89670674		9.68	10.0	-3.2	20.0
p,p'-DDE	Ave	103232796	103329188		10.0	10.0	0.0	20.0
Dieldrin	Ave	103768244	98807126		9.42	9.89	-4.8	20.0
Endrin	Ave	92628603	96012850		10.4	10.0	3.7	20.0
p,p'-DDD	Ave	85525504	83787556		9.81	10.0	-2.0	20.0
Endosulfan II	Ave	91695920	94670453		10.3	9.97	3.2	20.0
p,p'-DDT	Ave	58544207	59713836		10.2	10.0	2.0	20.0
Endrin aldehyde	Ave	76094833	78677613		10.4	10.0	3.4	20.0
Endosulfan sulfate	Ave	85370113	83168960		9.70	9.96	-2.6	20.0
Methoxychlor	Ave	30005975	32959813		54.4	49.5	9.8	20.0
Endrin ketone	Ave	93127807	94392406		10.2	10.0	1.4	20.0
Tetrachloro-m-xylene (Surr)	Ave	63166162	63286260		40.2	40.2	0.2	20.0
DCB Decachlorobiphenyl (Surr)	Ave	93418458	88565918		38.1	40.2	-5.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-347154/21 Calibration Date: 02/23/2023 09:18

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024020.021.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.46	2.43	2.49
gamma-BHC (Lindane)	2.83	2.80	2.86
beta-BHC	3.08	3.05	3.11
Heptachlor	3.20	3.17	3.23
delta-BHC	3.37	3.34	3.40
Aldrin	3.51	3.48	3.54
Heptachlor epoxide	4.01	3.98	4.04
gamma-Chlordane	4.22	4.18	4.24
alpha-Chlordane	4.30	4.27	4.33
Endosulfan I	4.34	4.31	4.37
p,p'-DDE	4.47	4.44	4.50
Dieldrin	4.58	4.55	4.61
Endrin	4.83	4.80	4.86
p,p'-DDD	4.93	4.90	4.96
Endosulfan II	5.04	5.01	5.07
p,p'-DDT	5.14	5.11	5.17
Endrin aldehyde	5.21	5.18	5.24
Endosulfan sulfate	5.36	5.33	5.39
Methoxychlor	5.64	5.60	5.66
Endrin ketone	5.80	5.77	5.83
Tetrachloro-m-xylene (Surr)	1.86	1.83	1.89
DCB Decachlorobiphenyl (Surr)	6.55	6.52	6.58

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.021.D
Lims ID: icv mixa
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2023 09:18:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv mixa
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:35:08 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.860	0.002	2541576214H	40.2	40.2	
2	2.572	2.573	-0.001	1452572051H	40.2	41.4	
						RPD = 2.91	
2 alpha-BHC							
1	2.458	2.455	0.003	960374496H	9.98	10.1	
2	2.990	2.993	-0.003	1018308895H	9.98	10.8	
						RPD = 7.38	
4 gamma-BHC (Lindane)							
1	2.832	2.828	0.004	908881870H	9.98	10.2	
2	3.333	3.335	-0.002	1012804996H	9.98	10.8	
						RPD = 6.29	
5 beta-BHC							
1	3.082	3.080	0.002	443374528H	10.0	10.7	
2	3.595	3.597	-0.002	401491714H	10.0	11.6	
						RPD = 7.59	
7 delta-BHC							
1	3.372	3.368	0.004	1026968859H	10.0	9.93	
2	3.842	3.845	-0.003	1187259397H	10.0	11.0	
						RPD = 10.10	
8 Heptachlor							
1	3.198	3.195	0.003	789973625H	10.0	10.1	
2	3.915	3.918	-0.003	1135238552H	10.0	10.6	
						RPD = 4.94	
9 Aldrin							
1	3.507	3.505	0.002	896159917H	10.0	9.26	
2	4.210	4.212	-0.002	1129818473H	10.0	10.1	
						RPD = 9.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.012	4.010	0.002	920652337H	10.0	9.94	
2	4.582	4.583	-0.001	1032512185H	10.0	10.5	
						RPD = 5.85	
13 trans-Chlordane							
1	4.215	4.212	0.003	862060486H	10.0	8.81	
2	4.840	4.842	-0.002	903594437H	10.0	9.40	
						RPD = 6.47	
14 cis-Chlordane							
1	4.297	4.295	0.002	987408318H	10.0	10.0	
2	4.880	4.883	-0.003	1037699397H	10.0	11.5	
						RPD = 13.57	
15 Endosulfan I							
1	4.343	4.340	0.003	896706738H	10.0	9.68	
2	4.910	4.913	-0.003	1006245082H	10.0	11.0	
						RPD = 12.88	
16 4,4'-DDE							
1	4.472	4.468	0.004	1037425046H	10.0	10.0	
2	4.995	4.997	-0.002	1034586441H	10.0	10.2	
						RPD = 1.12	
18 Dieldrin							
1	4.580	4.577	0.003	977202479H	9.89	9.42	
2	5.112	5.113	-0.001	1046434056H	9.89	9.74	
						RPD = 3.40	
19 Endrin							
1	4.832	4.830	0.002	960128502H	10.0	10.4	
2	5.288	5.290	-0.002	976144688H	10.0	10.6	
						RPD = 1.80	
22 4,4'-DDD							
1	4.930	4.927	0.003	838713431H	10.0	9.81	
2	5.385	5.387	-0.002	714794456H	10.0	9.65	
						RPD = 1.63	
23 Endosulfan II							
1	5.042	5.038	0.004	943864415H	9.97	10.3	
2	5.482	5.483	-0.001	875325994H	9.97	10.3	
						RPD = 0.25	
25 Endrin aldehyde							
1	5.213	5.210	0.003	789136456H	10.0	10.4	
2	5.562	5.565	-0.003	675890001H	10.0	10.5	
						RPD = 0.79	
26 4,4'-DDT							
1	5.140	5.137	0.003	598332635H	10.0	10.2	
2	5.612	5.613	-0.001	691488479H	10.0	10.7	
						RPD = 4.54	
27 Endosulfan sulfate							
1	5.363	5.360	0.003	828362839H	9.96	9.70	
2	5.767	5.770	-0.003	792847607H	9.96	10.2	
						RPD = 5.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	1632169935H	49.5	54.4	
2	5.920	5.922	-0.002	1886841798H	49.5	52.7	
						RPD = 3.15	
29 Endrin ketone							
1	5.802	5.798	0.004	945811909H	10.0	10.2	
2	6.070	6.073	-0.003	836792504H	10.0	10.5	
						RPD = 3.65	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	3556807262H	40.2	38.1	
2	7.113	7.118	-0.005	2419586565H	40.2	39.2	
						RPD = 2.80	

Reagents:

GCS_MIXAICV_00013 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:35:09 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.021.D

Injection Date: 23-Feb-2023 09:18:00 Instrument ID: 9147

Lims ID: icv mixa

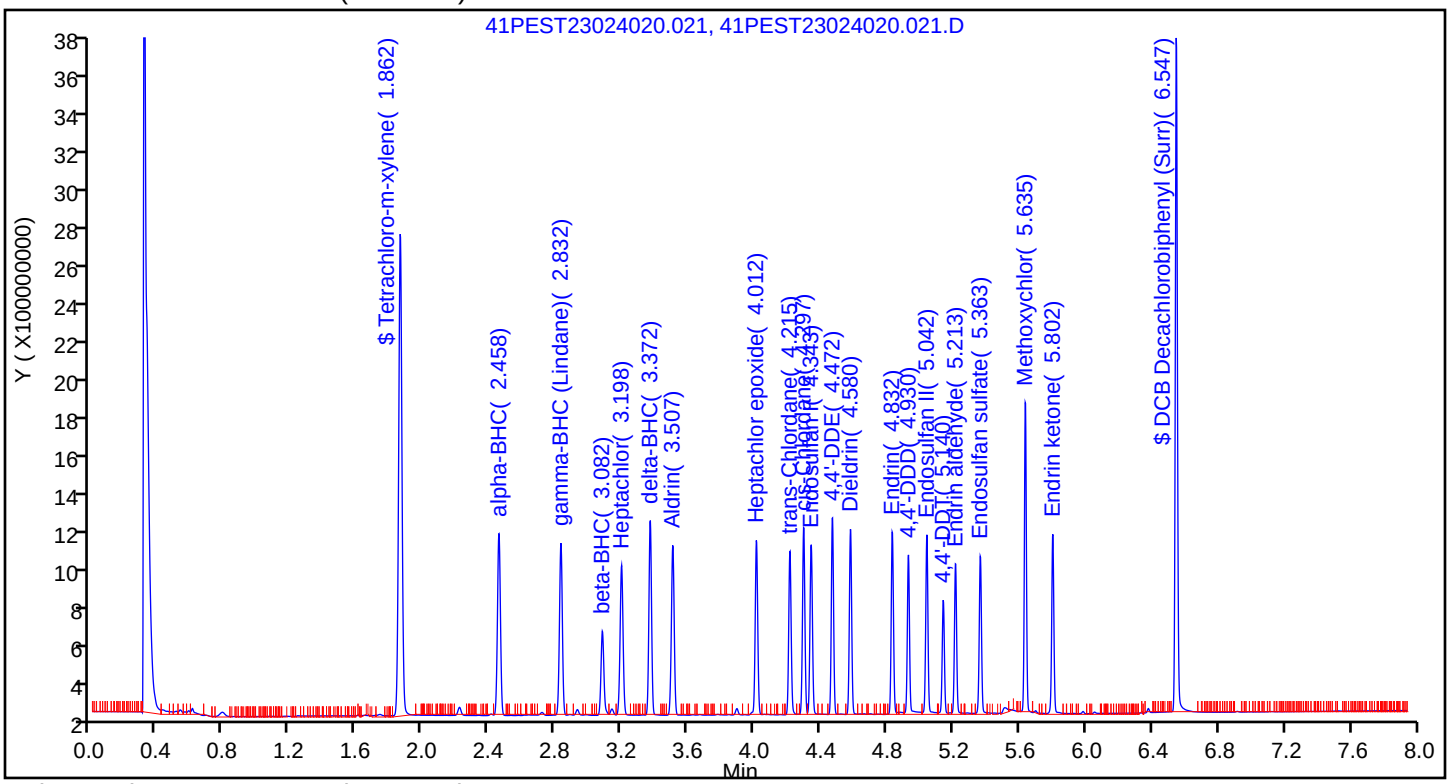
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 21

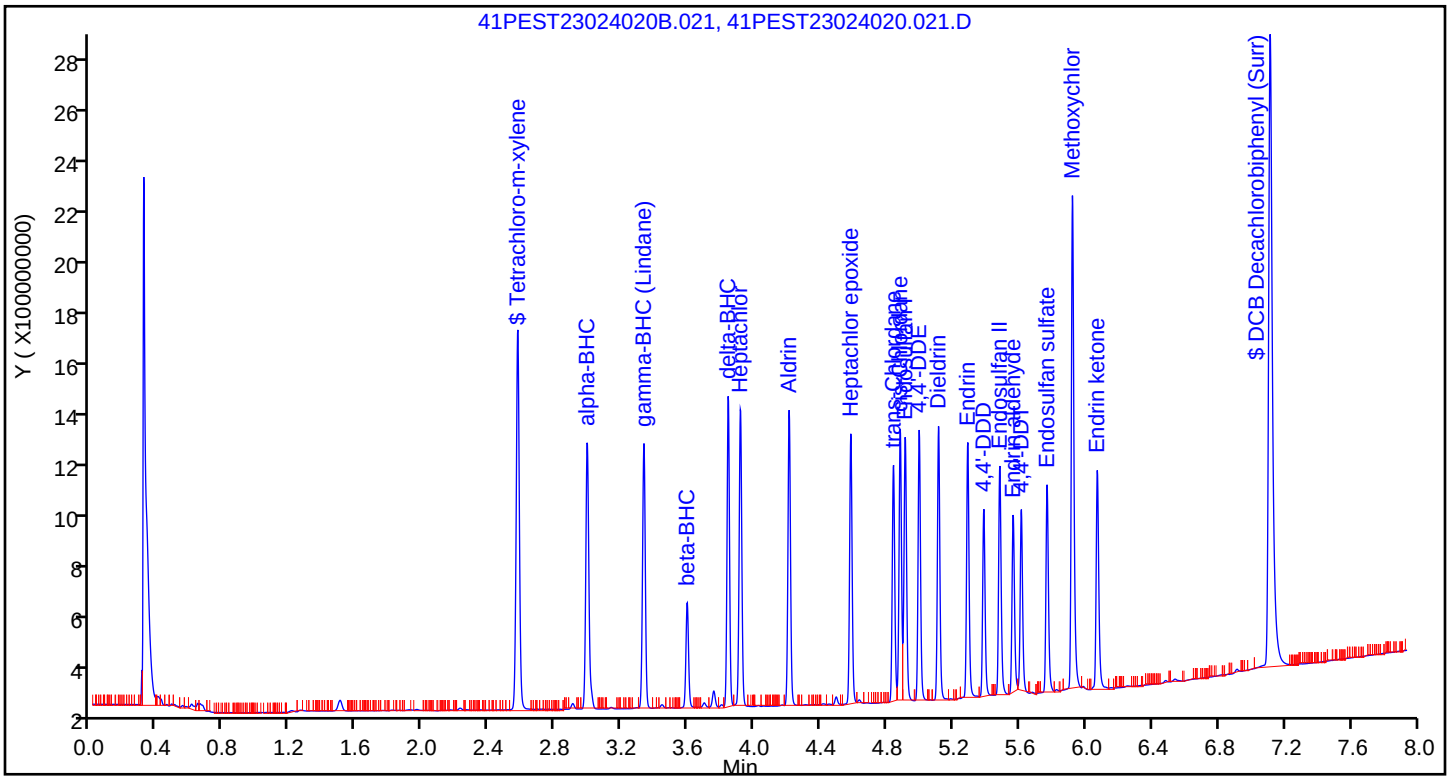
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-347154/21 Calibration Date: 02/23/2023 09:18

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024020.021.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	93968674	102034959		10.8	9.98	8.6	20.0
gamma-BHC (Lindane)	Ave	93468654	101483467		10.8	9.98	8.6	20.0
beta-BHC	Ave	34657421	40069033		11.6	10.0	15.6	20.0
delta-BHC	Ave	108099750	118725940		11.0	10.0	9.8	20.0
Heptachlor	Ave	106861330	113523855		10.6	10.0	6.2	20.0
Aldrin	Ave	111376791	112756335		10.1	10.0	1.2	20.0
Heptachlor epoxide	Ave	98018452	103251219		10.5	10.0	5.3	20.0
gamma-Chlordane	Ave	96162994	90359444		9.40	10.0	-6.0	20.0
alpha-Chlordane	Ave	90419143	103666273		11.5	10.0	14.7	20.0
Endosulfan I	Ave	91357573	100624508		11.0	10.0	10.1	20.0
p,p'-DDE	Ave	101801952	103046458		10.2	10.0	1.2	20.0
Dieldrin	Ave	107402915	105807286		9.74	9.89	-1.5	20.0
Endrin	Ave	92494302	97614469		10.6	10.0	5.5	20.0
p,p'-DDD	Ave	74090559	71408038		9.65	10.0	-3.6	20.0
Endosulfan II	Ave	84827236	87795987		10.3	9.97	3.5	20.0
Endrin aldehyde	Ave	64663794	67386840		10.5	10.0	4.2	20.0
p,p'-DDT	Ave	64653902	69010826		10.7	10.0	6.7	20.0
Endosulfan sulfate	Ave	77591982	79603173		10.2	9.96	2.6	20.0
Methoxychlor	Ave	35796912	38102621		52.7	49.5	6.4	20.0
Endrin ketone	Ave	79443368	83512226		10.5	10.0	5.1	20.0
Tetrachloro-m-xylene (Surr)	Ave	35066552	36169623		41.4	40.2	3.1	20.0
DCB Decachlorobiphenyl (Surr)	Ave	61795527	60248669		39.2	40.2	-2.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: ICV 410-347154/21 Calibration Date: 02/23/2023 09:18

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024020.021.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.99	2.96	3.02
gamma-BHC (Lindane)	3.33	3.31	3.37
beta-BHC	3.60	3.57	3.63
delta-BHC	3.84	3.82	3.88
Heptachlor	3.92	3.89	3.95
Aldrin	4.21	4.18	4.24
Heptachlor epoxide	4.58	4.55	4.61
gamma-Chlordane	4.84	4.81	4.87
alpha-Chlordane	4.88	4.85	4.91
Endosulfan I	4.91	4.88	4.94
p,p'-DDE	5.00	4.97	5.03
Dieldrin	5.11	5.08	5.14
Endrin	5.29	5.26	5.32
p,p'-DDD	5.39	5.36	5.42
Endosulfan II	5.48	5.45	5.51
Endrin aldehyde	5.56	5.54	5.60
p,p'-DDT	5.61	5.58	5.64
Endosulfan sulfate	5.77	5.74	5.80
Methoxychlor	5.92	5.89	5.95
Endrin ketone	6.07	6.04	6.10
Tetrachloro-m-xylene (Surr)	2.57	2.54	2.60
DCB Decachlorobiphenyl (Surr)	7.11	7.09	7.15

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.021.D
Lims ID: icv mixa
Client ID:
Sample Type: ICV
Inject. Date: 23-Feb-2023 09:18:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv mixa
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 24-Feb-2023 07:35:08 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1629

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.860	0.002	2541576214H	40.2	40.2	
2	2.572	2.573	-0.001	1452572051H	40.2	41.4	
						RPD = 2.91	
2 alpha-BHC							
1	2.458	2.455	0.003	960374496H	9.98	10.1	
2	2.990	2.993	-0.003	1018308895H	9.98	10.8	
						RPD = 7.38	
4 gamma-BHC (Lindane)							
1	2.832	2.828	0.004	908881870H	9.98	10.2	
2	3.333	3.335	-0.002	1012804996H	9.98	10.8	
						RPD = 6.29	
5 beta-BHC							
1	3.082	3.080	0.002	443374528H	10.0	10.7	
2	3.595	3.597	-0.002	401491714H	10.0	11.6	
						RPD = 7.59	
7 delta-BHC							
1	3.372	3.368	0.004	1026968859H	10.0	9.93	
2	3.842	3.845	-0.003	1187259397H	10.0	11.0	
						RPD = 10.10	
8 Heptachlor							
1	3.198	3.195	0.003	789973625H	10.0	10.1	
2	3.915	3.918	-0.003	1135238552H	10.0	10.6	
						RPD = 4.94	
9 Aldrin							
1	3.507	3.505	0.002	896159917H	10.0	9.26	
2	4.210	4.212	-0.002	1129818473H	10.0	10.1	
						RPD = 9.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.012	4.010	0.002	920652337H	10.0	9.94	
2	4.582	4.583	-0.001	1032512185H	10.0	10.5	
						RPD = 5.85	
13 trans-Chlordane							
1	4.215	4.212	0.003	862060486H	10.0	8.81	
2	4.840	4.842	-0.002	903594437H	10.0	9.40	
						RPD = 6.47	
14 cis-Chlordane							
1	4.297	4.295	0.002	987408318H	10.0	10.0	
2	4.880	4.883	-0.003	1037699397H	10.0	11.5	
						RPD = 13.57	
15 Endosulfan I							
1	4.343	4.340	0.003	896706738H	10.0	9.68	
2	4.910	4.913	-0.003	1006245082H	10.0	11.0	
						RPD = 12.88	
16 4,4'-DDE							
1	4.472	4.468	0.004	1037425046H	10.0	10.0	
2	4.995	4.997	-0.002	1034586441H	10.0	10.2	
						RPD = 1.12	
18 Dieldrin							
1	4.580	4.577	0.003	977202479H	9.89	9.42	
2	5.112	5.113	-0.001	1046434056H	9.89	9.74	
						RPD = 3.40	
19 Endrin							
1	4.832	4.830	0.002	960128502H	10.0	10.4	
2	5.288	5.290	-0.002	976144688H	10.0	10.6	
						RPD = 1.80	
22 4,4'-DDD							
1	4.930	4.927	0.003	838713431H	10.0	9.81	
2	5.385	5.387	-0.002	714794456H	10.0	9.65	
						RPD = 1.63	
23 Endosulfan II							
1	5.042	5.038	0.004	943864415H	9.97	10.3	
2	5.482	5.483	-0.001	875325994H	9.97	10.3	
						RPD = 0.25	
25 Endrin aldehyde							
1	5.213	5.210	0.003	789136456H	10.0	10.4	
2	5.562	5.565	-0.003	675890001H	10.0	10.5	
						RPD = 0.79	
26 4,4'-DDT							
1	5.140	5.137	0.003	598332635H	10.0	10.2	
2	5.612	5.613	-0.001	691488479H	10.0	10.7	
						RPD = 4.54	
27 Endosulfan sulfate							
1	5.363	5.360	0.003	828362839H	9.96	9.70	
2	5.767	5.770	-0.003	792847607H	9.96	10.2	
						RPD = 5.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	1632169935H	49.5	54.4	
2	5.920	5.922	-0.002	1886841798H	49.5	52.7	
						RPD = 3.15	
29 Endrin ketone							
1	5.802	5.798	0.004	945811909H	10.0	10.2	
2	6.070	6.073	-0.003	836792504H	10.0	10.5	
						RPD = 3.65	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	3556807262H	40.2	38.1	
2	7.113	7.118	-0.005	2419586565H	40.2	39.2	
						RPD = 2.80	

Reagents:

GCS_MIXAICV_00013 Amount Added: 1.00 Units: mL

Report Date: 24-Feb-2023 07:35:09 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.021.D

Injection Date: 23-Feb-2023 09:18:00 Instrument ID: 9147

Lims ID: icv mixa

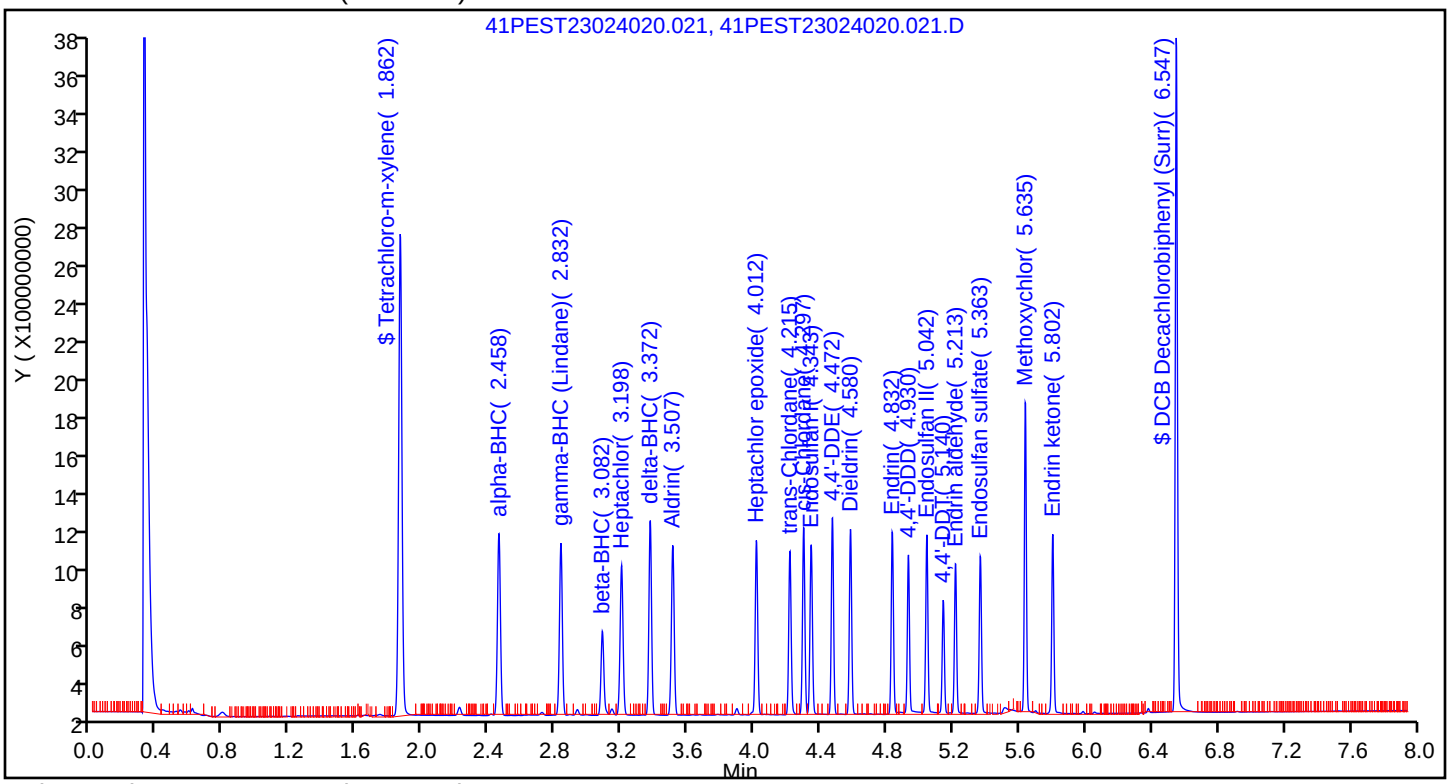
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 21

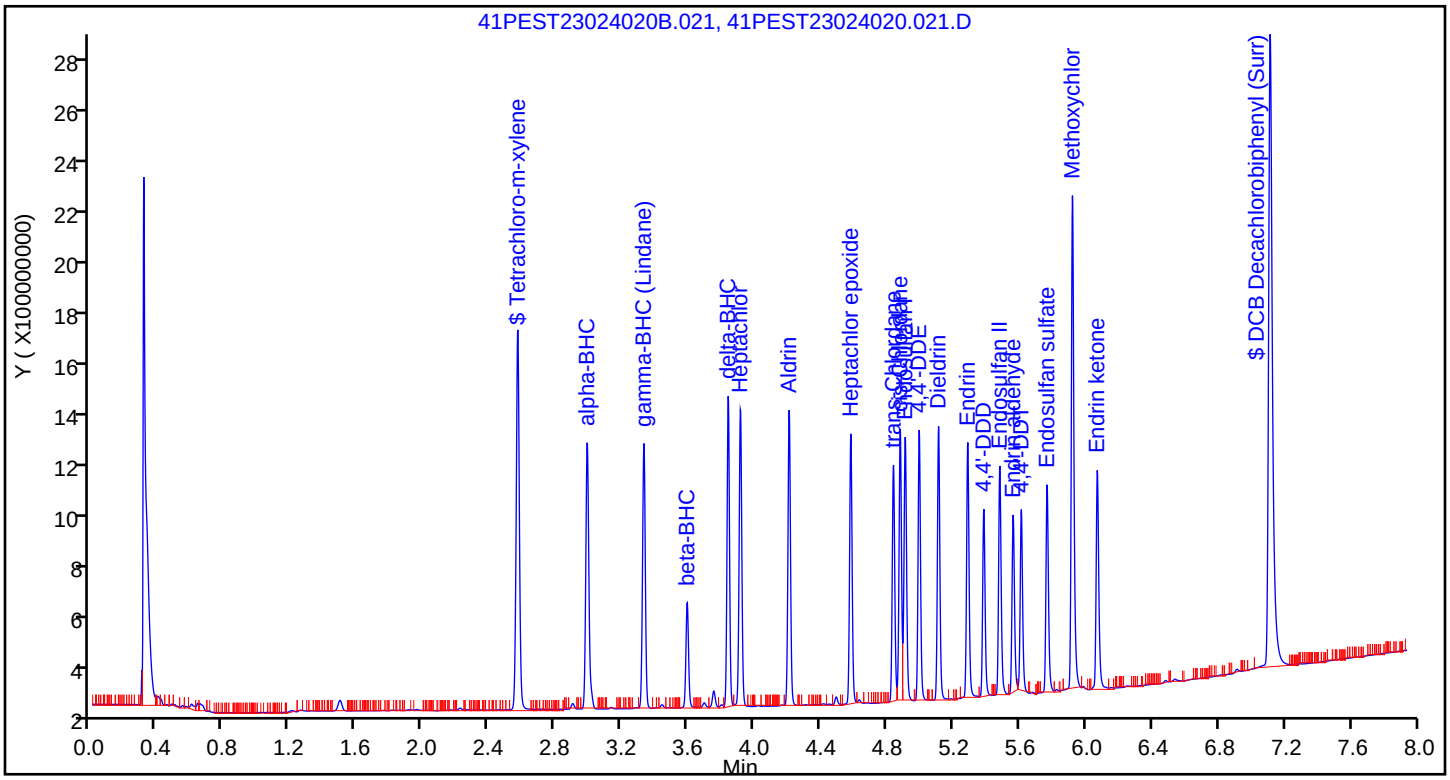
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCVRT 410-349358/3 Calibration Date: 03/02/2023 00:07

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.003.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	95413059	88060282		9.23	10.0	-7.7	20.0
gamma-BHC (Lindane)	Ave	89325514	82953728		9.40	10.1	-7.1	20.0
beta-BHC	Ave	41291489	35254112		8.64	10.1	-14.6	20.0
Heptachlor	Ave	78126432	70718353		9.05	10.0	-9.5	20.0
delta-BHC	Ave	103447733	94379847		9.12	10.0	-8.8	20.0
Aldrin	Ave	96790056	87317082		9.02	10.0	-9.8	20.0
Heptachlor epoxide	Ave	92662726	84946595		9.28	10.1	-8.3	20.0
gamma-Chlordane	Ave	97872536	87320833		8.92	10.0	-10.8	20.0
alpha-Chlordane	Ave	98565577	91669304		9.42	10.1	-7.0	20.0
Endosulfan I	Ave	92619368	82850038		9.06	10.1	-10.5	20.0
p,p'-DDE	Ave	103232796	101177062		19.7	20.1	-2.0	20.0
Dieldrin	Ave	103768244	101201047		19.5	20.0	-2.5	20.0
Endrin	Ave	92628603	86731054		18.7	20.0	-6.4	20.0
p,p'-DDD	Ave	85525504	81590972		19.1	20.0	-4.6	20.0
Endosulfan II	Ave	91695920	84980003		18.5	20.0	-7.3	20.0
p,p'-DDT	Ave	58544207	57405288		19.6	20.0	-1.9	20.0
Endrin aldehyde	Ave	76094833	70764426		18.6	20.0	-7.0	20.0
Endosulfan sulfate	Ave	85370113	82808157		19.4	20.0	-3.0	20.0
Methoxychlor	Ave	30005975	30480657		102	101	1.6	20.0
Endrin ketone	Ave	93127807	87018203		18.8	20.1	-6.6	20.0
Tetrachloro-m-xylene (Surr)	Ave	63166162	58601267		37.3	40.2	-7.2	20.0
DCB Decachlorobiphenyl (Surr)	Ave	93418458	90229232		38.8	40.2	-3.4	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCVRT 410-349358/3 Calibration Date: 03/02/2023 00:07

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.003.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.46	2.43	2.49
gamma-BHC (Lindane)	2.83	2.80	2.86
beta-BHC	3.08	3.05	3.11
Heptachlor	3.20	3.17	3.23
delta-BHC	3.37	3.34	3.40
Aldrin	3.51	3.48	3.54
Heptachlor epoxide	4.01	3.98	4.04
gamma-Chlordane	4.21	4.18	4.24
alpha-Chlordane	4.30	4.27	4.33
Endosulfan I	4.34	4.31	4.37
p,p'-DDE	4.47	4.44	4.50
Dieldrin	4.58	4.55	4.61
Endrin	4.83	4.80	4.86
p,p'-DDD	4.93	4.90	4.96
Endosulfan II	5.04	5.01	5.07
p,p'-DDT	5.14	5.11	5.17
Endrin aldehyde	5.21	5.18	5.24
Endosulfan sulfate	5.36	5.33	5.39
Methoxychlor	5.63	5.60	5.66
Endrin ketone	5.80	5.77	5.83
Tetrachloro-m-xylene (Surr)	1.86	1.83	1.89
DCB Decachlorobiphenyl (Surr)	6.55	6.52	6.58

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.003.D
Lims ID: ccvrt
Client ID:
Sample Type: CCVRT
Inject. Date: 02-Mar-2023 00:07:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:54:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	2353426883H	40.2	37.3	
2	2.573	2.573	0.000	1281649642H	40.2	36.5	
						RPD = 1.92	
2 alpha-BHC							
1	2.457	2.457	0.000	880602819H	10.0	9.23	
2	2.993	2.993	0.000	869247800H	10.0	9.25	
						RPD = 0.23	
4 gamma-BHC (Lindane)							
1	2.830	2.830	0.000	839906500H	10.1	9.40	
2	3.335	3.335	0.000	876843369H	10.1	9.38	
						RPD = 0.23	
5 beta-BHC							
1	3.082	3.082	0.000	356947879H	10.1	8.64	
2	3.597	3.597	0.000	319958685H	10.1	9.23	
						RPD = 6.57	
7 delta-BHC							
1	3.370	3.370	0.000	943798468H	10.0	9.12	
2	3.845	3.845	0.000	1012514897H	10.0	9.37	
						RPD = 2.63	
8 Heptachlor							
1	3.197	3.197	0.000	707183532H	10.0	9.05	
2	3.918	3.918	0.000	959664300H	10.0	8.98	
						RPD = 0.79	
9 Aldrin							
1	3.505	3.505	0.000	873170823H	10.0	9.02	
2	4.212	4.212	0.000	1040348064H	10.0	9.34	
						RPD = 3.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.010	4.010	0.000	860084276H	10.1	9.28	
2	4.583	4.583	0.000	921164352H	10.1	9.40	
						RPD = 1.24	
13 trans-Chlordane							
1	4.213	4.213	0.000	873208326H	10.0	8.92	
2	4.842	4.842	0.000	885215123H	10.0	9.21	
						RPD = 3.13	
14 cis-Chlordane							
1	4.295	4.295	0.000	928151708H	10.1	9.42	
2	4.882	4.882	0.000	829083072H	10.1	9.17	
						RPD = 2.66	
15 Endosulfan I							
1	4.340	4.340	0.000	838856639H	10.1	9.06	
2	4.913	4.913	0.000	825835872H	10.1	9.04	
						RPD = 0.19	
16 4,4'-DDE							
1	4.468	4.468	0.000	2036188380H	20.1	19.7	
2	4.997	4.997	0.000	1953132625H	20.1	19.2	
						RPD = 2.77	
18 Dieldrin							
1	4.578	4.578	0.000	2024020938H	20.0	19.5	
2	5.113	5.113	0.000	2036936803H	20.0	19.0	
						RPD = 2.81	
19 Endrin							
1	4.830	4.830	0.000	1734621085H	20.0	18.7	
2	5.290	5.290	0.000	1731239688H	20.0	18.7	
						RPD = 0.05	
22 4,4'-DDD							
1	4.927	4.927	0.000	1631819436H	20.0	19.1	
2	5.387	5.387	0.000	1425511626H	20.0	19.2	
						RPD = 0.84	
23 Endosulfan II							
1	5.038	5.038	0.000	1699600063H	20.0	18.5	
2	5.483	5.483	0.000	1580313366H	20.0	18.6	
						RPD = 0.51	
25 Endrin aldehyde							
1	5.212	5.212	0.000	1415288525H	20.0	18.6	
2	5.565	5.565	0.000	1179209102H	20.0	18.2	
						RPD = 1.97	
26 4,4'-DDT							
1	5.138	5.138	0.000	1148105767H	20.0	19.6	
2	5.613	5.613	0.000	1046138589H	20.0	16.2	
						RPD = 19.17	
27 Endosulfan sulfate							
1	5.362	5.362	0.000	1656163143H	20.0	19.4	
2	5.768	5.768	0.000	1435123183H	20.0	18.5	
						RPD = 4.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	3070926197H	100.8	102.3	
2	5.922	5.922	0.000	3123306148H	100.8	87.3	
						RPD = 15.92	
29 Endrin ketone							
1	5.798	5.798	0.000	1751241339H	20.1	18.8	
2	6.073	6.073	0.000	1452215492H	20.1	18.3	
						RPD = 2.83	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	3623605943H	40.2	38.8	
2	7.118	7.118	0.000	2299778884H	40.2	37.2	
						RPD = 4.14	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:54:58 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.003.D

Injection Date: 02-Mar-2023 00:07:00 Instrument ID: 9147

Lims ID: ccvrt

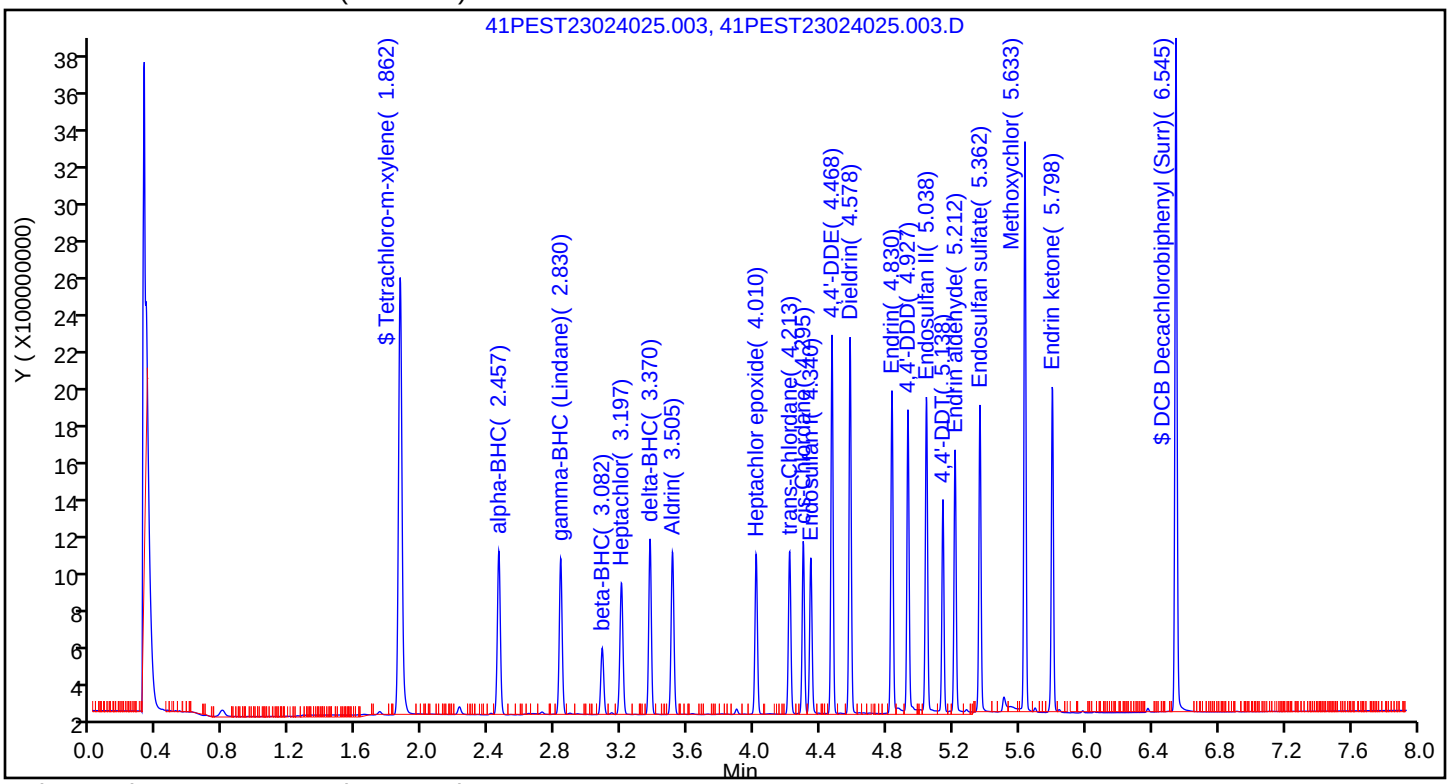
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 3

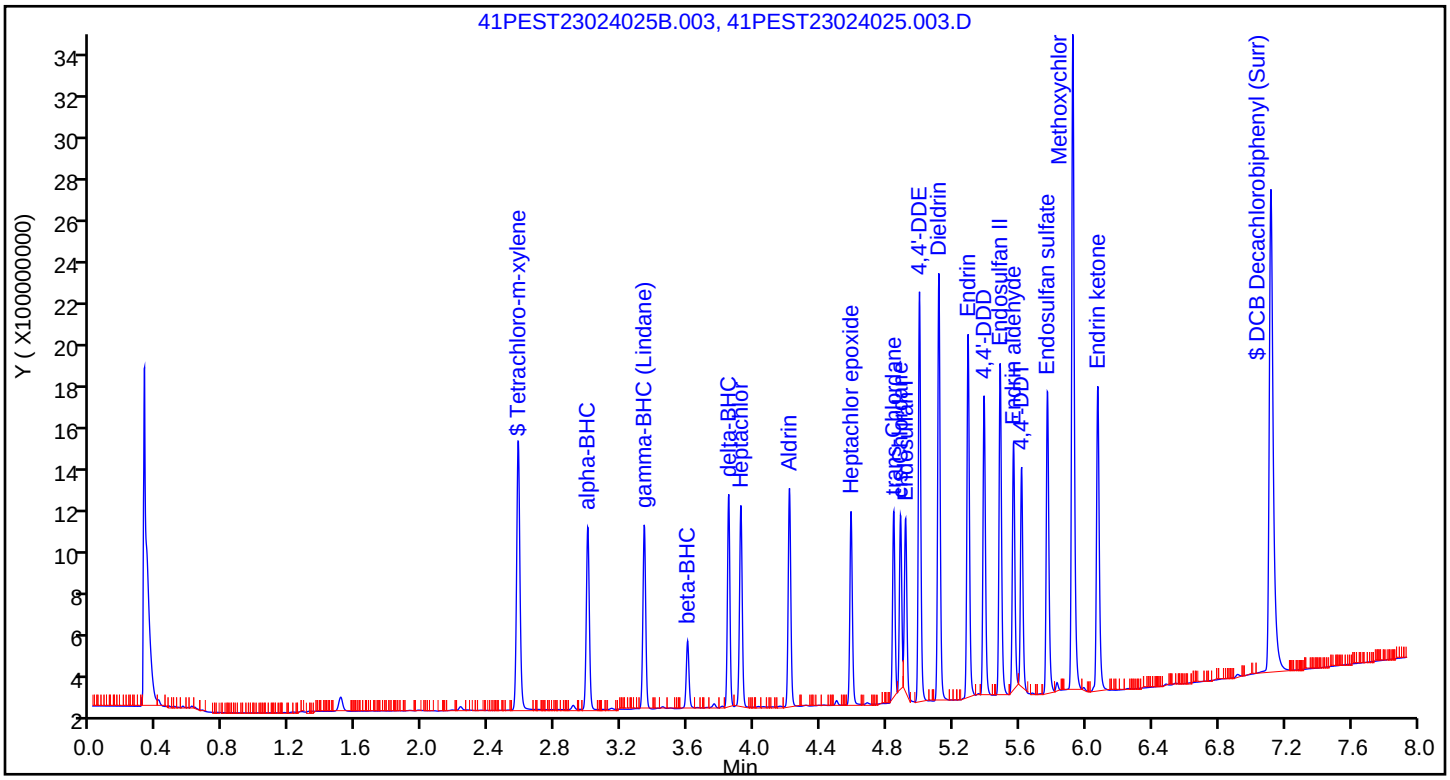
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCVRT 410-349358/3 Calibration Date: 03/02/2023 00:07

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.003.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	93968674	86924780		9.25	10.0	-7.5	20.0
gamma-BHC (Lindane)	Ave	93468654	86601814		9.38	10.1	-7.3	20.0
beta-BHC	Ave	34657421	31600858		9.23	10.1	-8.8	20.0
delta-BHC	Ave	108099750	101251490		9.37	10.0	-6.3	20.0
Heptachlor	Ave	106861330	95966430		8.98	10.0	-10.2	20.0
Aldrin	Ave	111376791	104034806		9.34	10.0	-6.6	20.0
Heptachlor epoxide	Ave	98018452	90979195		9.40	10.1	-7.2	20.0
gamma-Chlordane	Ave	96162994	88521512		9.21	10.0	-7.9	20.0
alpha-Chlordane	Ave	90419143	81884748		9.17	10.1	-9.4	20.0
Endosulfan I	Ave	91357573	81564037		9.04	10.1	-10.7	20.0
p,p'-DDE	Ave	101801952	97050068		19.2	20.1	-4.7	20.0
Dieldrin	Ave	107402915	101846840		19.0	20.0	-5.2	20.0
Endrin	Ave	92494302	86561984		18.7	20.0	-6.4	20.0
p,p'-DDD	Ave	74090559	71275581		19.2	20.0	-3.8	20.0
Endosulfan II	Ave	84827236	79015668		18.6	20.0	-6.9	20.0
Endrin aldehyde	Ave	64663794	58960455		18.2	20.0	-8.8	20.0
p,p'-DDT	Ave	64653902	52306929		16.2	20.0	-19.1	20.0
Endosulfan sulfate	Ave	77591982	71756159		18.5	20.0	-7.5	20.0
Methoxychlor	Ave	35796912	31000557		87.3	101	-13.4	20.0
Endrin ketone	Ave	79443368	72159776		18.3	20.1	-9.2	20.0
Tetrachloro-m-xylene (Surr)	Ave	35066552	31913587		36.5	40.2	-9.0	20.0
DCB Decachlorobiphenyl (Surr)	Ave	61795527	57265410		37.2	40.2	-7.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCVRT 410-349358/3 Calibration Date: 03/02/2023 00:07

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.003.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.99	2.96	3.02
gamma-BHC (Lindane)	3.34	3.31	3.37
beta-BHC	3.60	3.57	3.63
delta-BHC	3.85	3.82	3.88
Heptachlor	3.92	3.89	3.95
Aldrin	4.21	4.18	4.24
Heptachlor epoxide	4.58	4.55	4.61
gamma-Chlordane	4.84	4.81	4.87
alpha-Chlordane	4.88	4.85	4.91
Endosulfan I	4.91	4.88	4.94
p,p'-DDE	5.00	4.97	5.03
Dieldrin	5.11	5.08	5.14
Endrin	5.29	5.26	5.32
p,p'-DDD	5.39	5.36	5.42
Endosulfan II	5.48	5.45	5.51
Endrin aldehyde	5.57	5.54	5.60
p,p'-DDT	5.61	5.58	5.64
Endosulfan sulfate	5.77	5.74	5.80
Methoxychlor	5.92	5.89	5.95
Endrin ketone	6.07	6.04	6.10
Tetrachloro-m-xylene (Surr)	2.57	2.54	2.60
DCB Decachlorobiphenyl (Surr)	7.12	7.09	7.15

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.003.D
Lims ID: ccvrt
Client ID:
Sample Type: CCVRT
Inject. Date: 02-Mar-2023 00:07:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:54:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	2353426883H	40.2	37.3	
2	2.573	2.573	0.000	1281649642H	40.2	36.5	
						RPD = 1.92	
2 alpha-BHC							
1	2.457	2.457	0.000	880602819H	10.0	9.23	
2	2.993	2.993	0.000	869247800H	10.0	9.25	
						RPD = 0.23	
4 gamma-BHC (Lindane)							
1	2.830	2.830	0.000	839906500H	10.1	9.40	
2	3.335	3.335	0.000	876843369H	10.1	9.38	
						RPD = 0.23	
5 beta-BHC							
1	3.082	3.082	0.000	356947879H	10.1	8.64	
2	3.597	3.597	0.000	319958685H	10.1	9.23	
						RPD = 6.57	
7 delta-BHC							
1	3.370	3.370	0.000	943798468H	10.0	9.12	
2	3.845	3.845	0.000	1012514897H	10.0	9.37	
						RPD = 2.63	
8 Heptachlor							
1	3.197	3.197	0.000	707183532H	10.0	9.05	
2	3.918	3.918	0.000	959664300H	10.0	8.98	
						RPD = 0.79	
9 Aldrin							
1	3.505	3.505	0.000	873170823H	10.0	9.02	
2	4.212	4.212	0.000	1040348064H	10.0	9.34	
						RPD = 3.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.010	4.010	0.000	860084276H	10.1	9.28	
2	4.583	4.583	0.000	921164352H	10.1	9.40	
						RPD = 1.24	
13 trans-Chlordane							
1	4.213	4.213	0.000	873208326H	10.0	8.92	
2	4.842	4.842	0.000	885215123H	10.0	9.21	
						RPD = 3.13	
14 cis-Chlordane							
1	4.295	4.295	0.000	928151708H	10.1	9.42	
2	4.882	4.882	0.000	829083072H	10.1	9.17	
						RPD = 2.66	
15 Endosulfan I							
1	4.340	4.340	0.000	838856639H	10.1	9.06	
2	4.913	4.913	0.000	825835872H	10.1	9.04	
						RPD = 0.19	
16 4,4'-DDE							
1	4.468	4.468	0.000	2036188380H	20.1	19.7	
2	4.997	4.997	0.000	1953132625H	20.1	19.2	
						RPD = 2.77	
18 Dieldrin							
1	4.578	4.578	0.000	2024020938H	20.0	19.5	
2	5.113	5.113	0.000	2036936803H	20.0	19.0	
						RPD = 2.81	
19 Endrin							
1	4.830	4.830	0.000	1734621085H	20.0	18.7	
2	5.290	5.290	0.000	1731239688H	20.0	18.7	
						RPD = 0.05	
22 4,4'-DDD							
1	4.927	4.927	0.000	1631819436H	20.0	19.1	
2	5.387	5.387	0.000	1425511626H	20.0	19.2	
						RPD = 0.84	
23 Endosulfan II							
1	5.038	5.038	0.000	1699600063H	20.0	18.5	
2	5.483	5.483	0.000	1580313366H	20.0	18.6	
						RPD = 0.51	
25 Endrin aldehyde							
1	5.212	5.212	0.000	1415288525H	20.0	18.6	
2	5.565	5.565	0.000	1179209102H	20.0	18.2	
						RPD = 1.97	
26 4,4'-DDT							
1	5.138	5.138	0.000	1148105767H	20.0	19.6	
2	5.613	5.613	0.000	1046138589H	20.0	16.2	
						RPD = 19.17	
27 Endosulfan sulfate							
1	5.362	5.362	0.000	1656163143H	20.0	19.4	
2	5.768	5.768	0.000	1435123183H	20.0	18.5	
						RPD = 4.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	3070926197H	100.8	102.3	
2	5.922	5.922	0.000	3123306148H	100.8	87.3	
						RPD = 15.92	
29 Endrin ketone							
1	5.798	5.798	0.000	1751241339H	20.1	18.8	
2	6.073	6.073	0.000	1452215492H	20.1	18.3	
						RPD = 2.83	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	3623605943H	40.2	38.8	
2	7.118	7.118	0.000	2299778884H	40.2	37.2	
						RPD = 4.14	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:54:59 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.003.D

Injection Date: 02-Mar-2023 00:07:00 Instrument ID: 9147

Lims ID: ccvrt

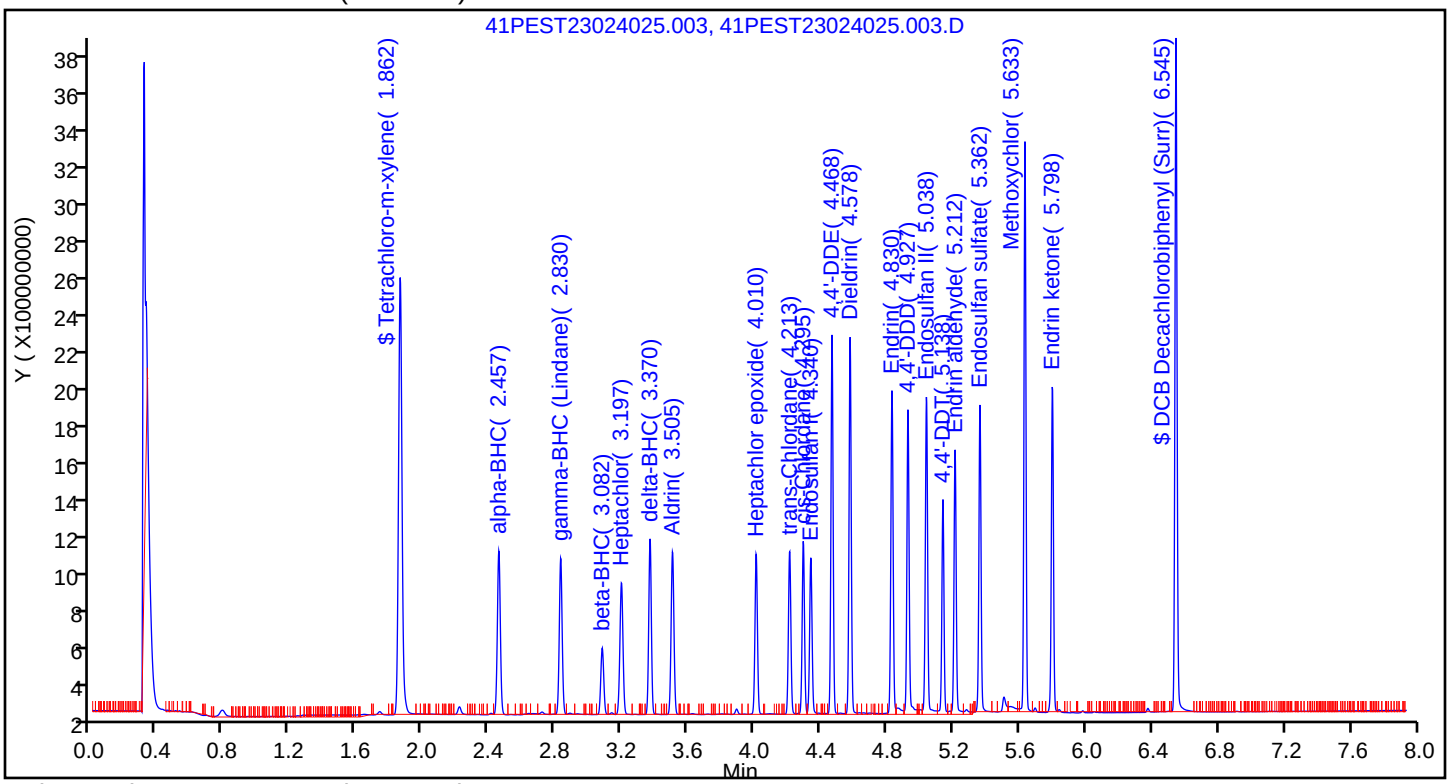
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 3

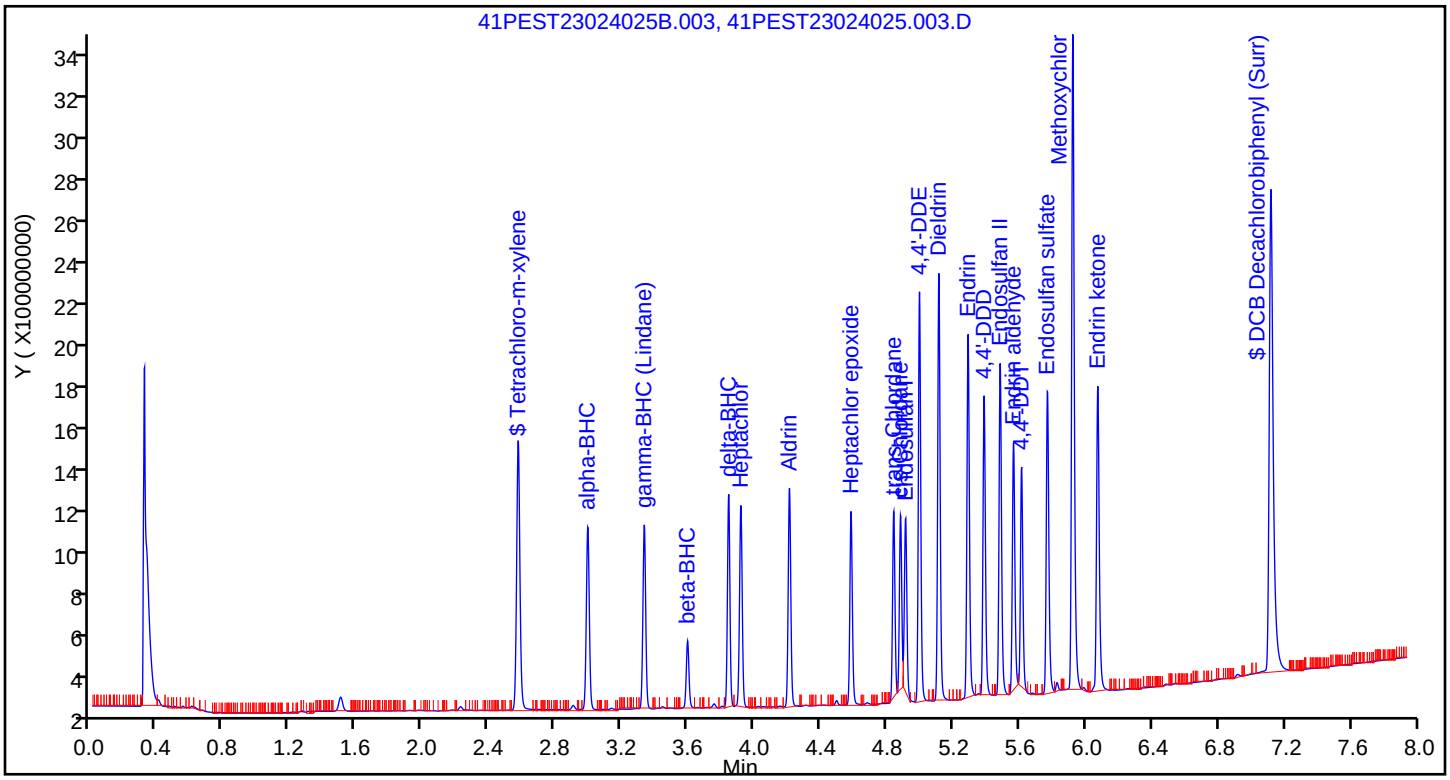
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/5 Calibration Date: 03/02/2023 00:36

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.005.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 5	Ave	870979	988099		567	500	13.4	20.0
Toxaphene Peak 1	Ave	1108485	1230074		555	500	11.0	20.0
Toxaphene Peak 2	Ave	1500516	1685609		562	500	12.3	20.0
Toxaphene Peak 3	Ave	1884364	1975955		524	500	4.9	20.0
Toxaphene Peak 4	Ave	1460165	1490613		510	500	2.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/5 Calibration Date: 03/02/2023 00:36

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 5	4.86	4.83	4.89
Toxaphene Peak 1	5.06	5.03	5.09
Toxaphene Peak 2	5.28	5.25	5.31
Toxaphene Peak 3	5.66	5.63	5.69
Toxaphene Peak 4	5.90	5.87	5.93

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.005.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 00:36:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:55:05 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.060	5.060	0.000	615036919H	500.0	554.8	
1	5.277	5.277	0.000	842804502H	500.0	561.7	
1	5.657	5.657	0.000	987977319H	500.0	524.3	
1	5.902	5.902	0.000	745306639H	500.0	510.4	
1	4.857	4.857	0.000	494049487H	500.0	567.2	
		Average of Peak Amounts =				543.7	
2	5.537	5.537	0.000	591936359H	500.0	596.6	
2	5.715	5.715	0.000	791124071H	500.0	557.7	
2	5.850	5.850	0.000	647221636H	500.0	554.8	
2	6.097	6.097	0.000	704986465H	500.0	573.6	
2	6.350	6.350	0.000	506421907H	500.0	549.7	
		Average of Peak Amounts =				566.5	
						RPD = 4.10	

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:55:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.005.D

Injection Date: 02-Mar-2023 00:36:00 Instrument ID: 9147

Lims ID: ccv tox

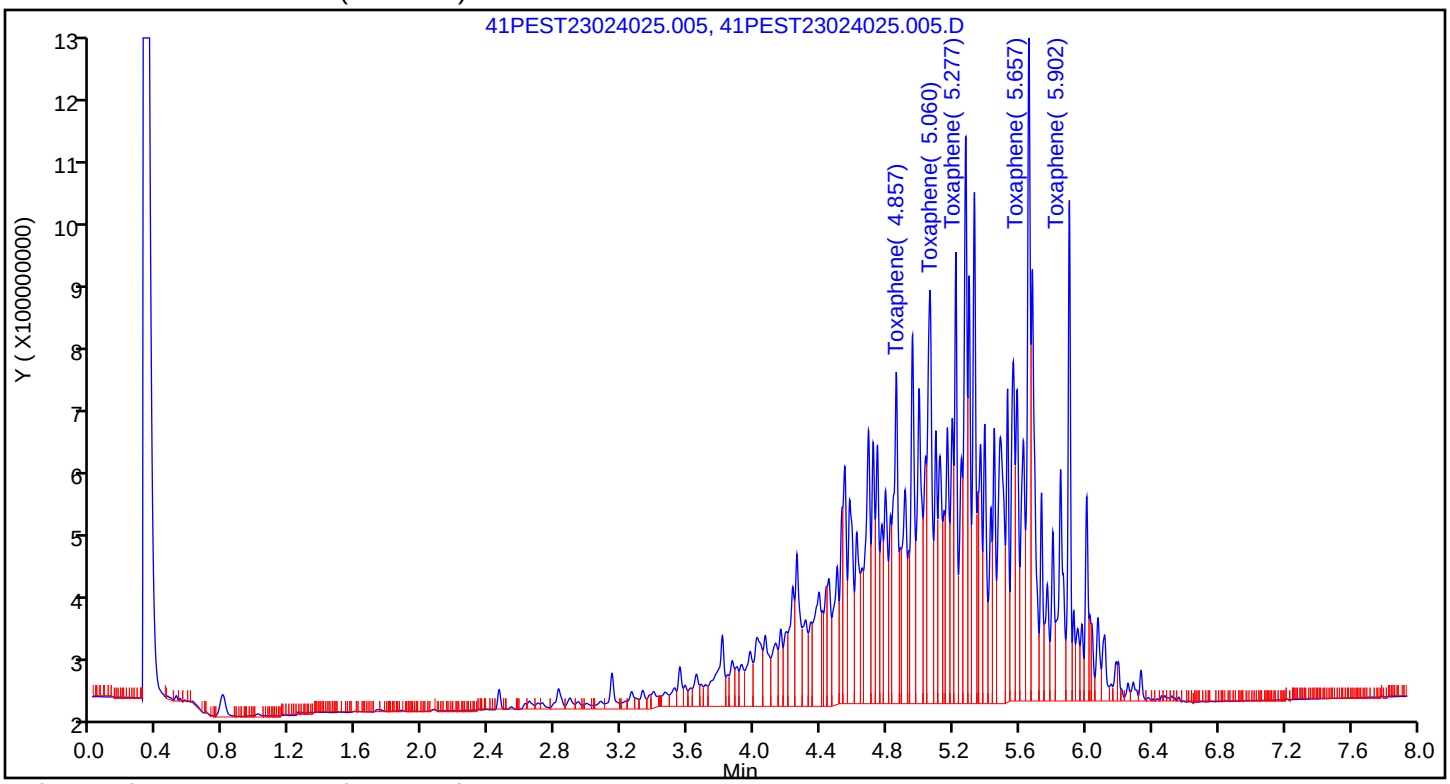
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 5

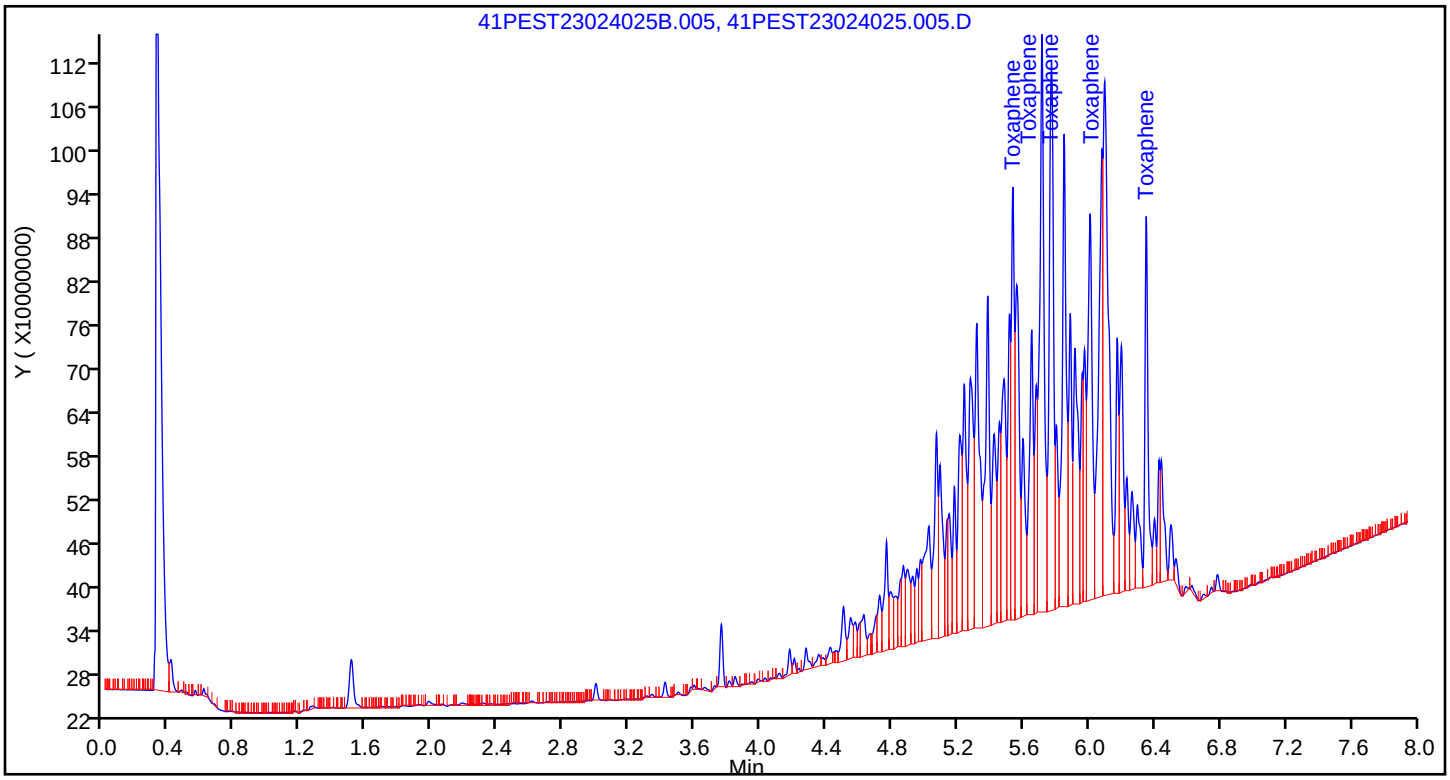
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/5 Calibration Date: 03/02/2023 00:36

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.005.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	992201	1183873		597	500	19.3	20.0
Toxaphene Peak 2	Ave	1418450	1582248		558	500	11.5	20.0
Toxaphene Peak 3	Ave	1166664	1294443		555	500	11.0	20.0
Toxaphene Peak 4	Ave	1229009	1409973		574	500	14.7	20.0
Toxaphene Peak 5	Ave	921278	1012844		550	500	9.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/5 Calibration Date: 03/02/2023 00:36

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.54	5.51	5.57
Toxaphene Peak 2	5.72	5.69	5.75
Toxaphene Peak 3	5.85	5.82	5.88
Toxaphene Peak 4	6.10	6.07	6.13
Toxaphene Peak 5	6.35	6.32	6.38

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.005.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 00:36:00 ALS Bottle#: 0 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:55:05 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.060	5.060	0.000	615036919H	500.0	554.8	
1	5.277	5.277	0.000	842804502H	500.0	561.7	
1	5.657	5.657	0.000	987977319H	500.0	524.3	
1	5.902	5.902	0.000	745306639H	500.0	510.4	
1	4.857	4.857	0.000	494049487H	500.0	567.2	
		Average of Peak Amounts =				543.7	
2	5.537	5.537	0.000	591936359H	500.0	596.6	
2	5.715	5.715	0.000	791124071H	500.0	557.7	
2	5.850	5.850	0.000	647221636H	500.0	554.8	
2	6.097	6.097	0.000	704986465H	500.0	573.6	
2	6.350	6.350	0.000	506421907H	500.0	549.7	
		Average of Peak Amounts =				566.5	
						RPD = 4.10	

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:55:05 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.005.D

Injection Date: 02-Mar-2023 00:36:00 Instrument ID: 9147

Lims ID: ccv tox

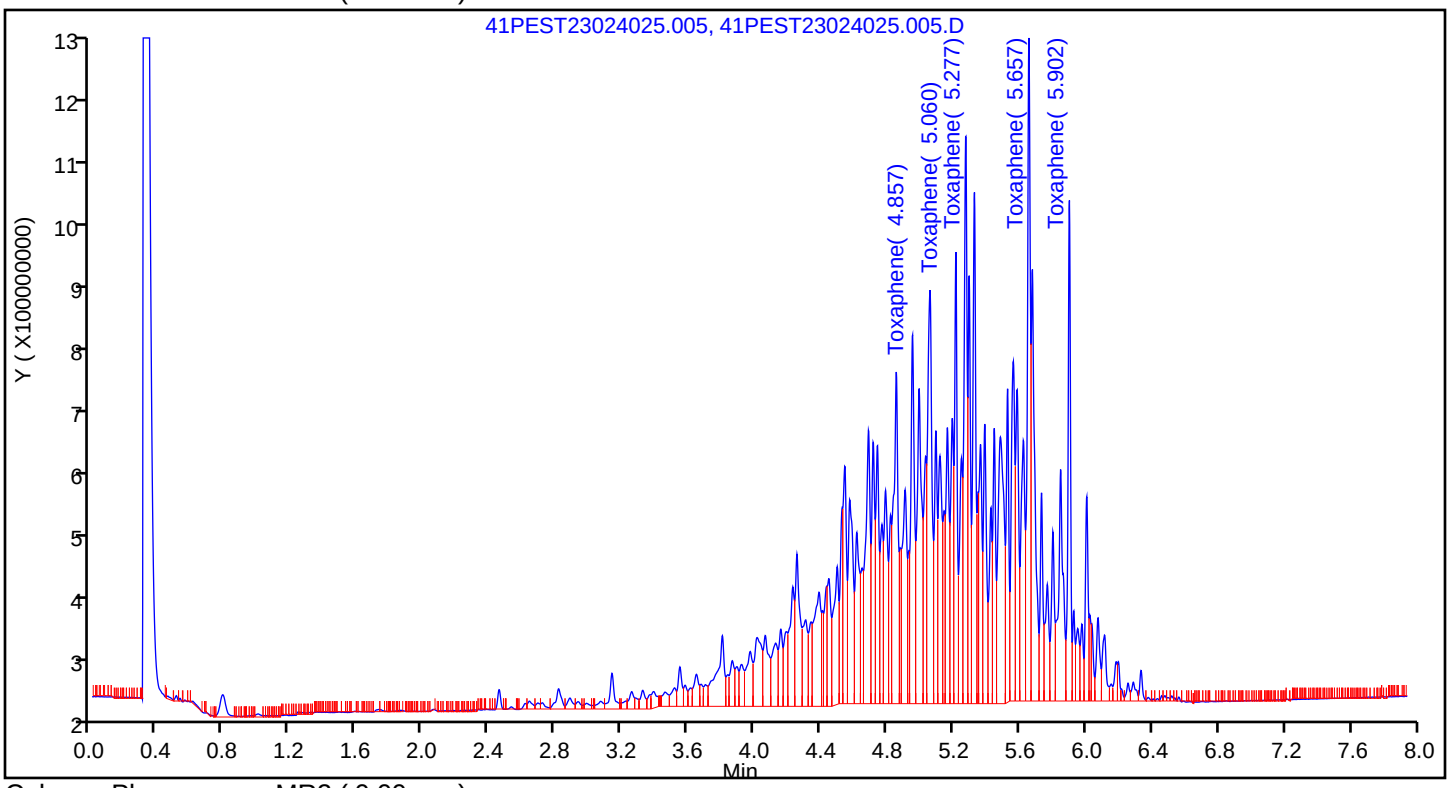
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 5

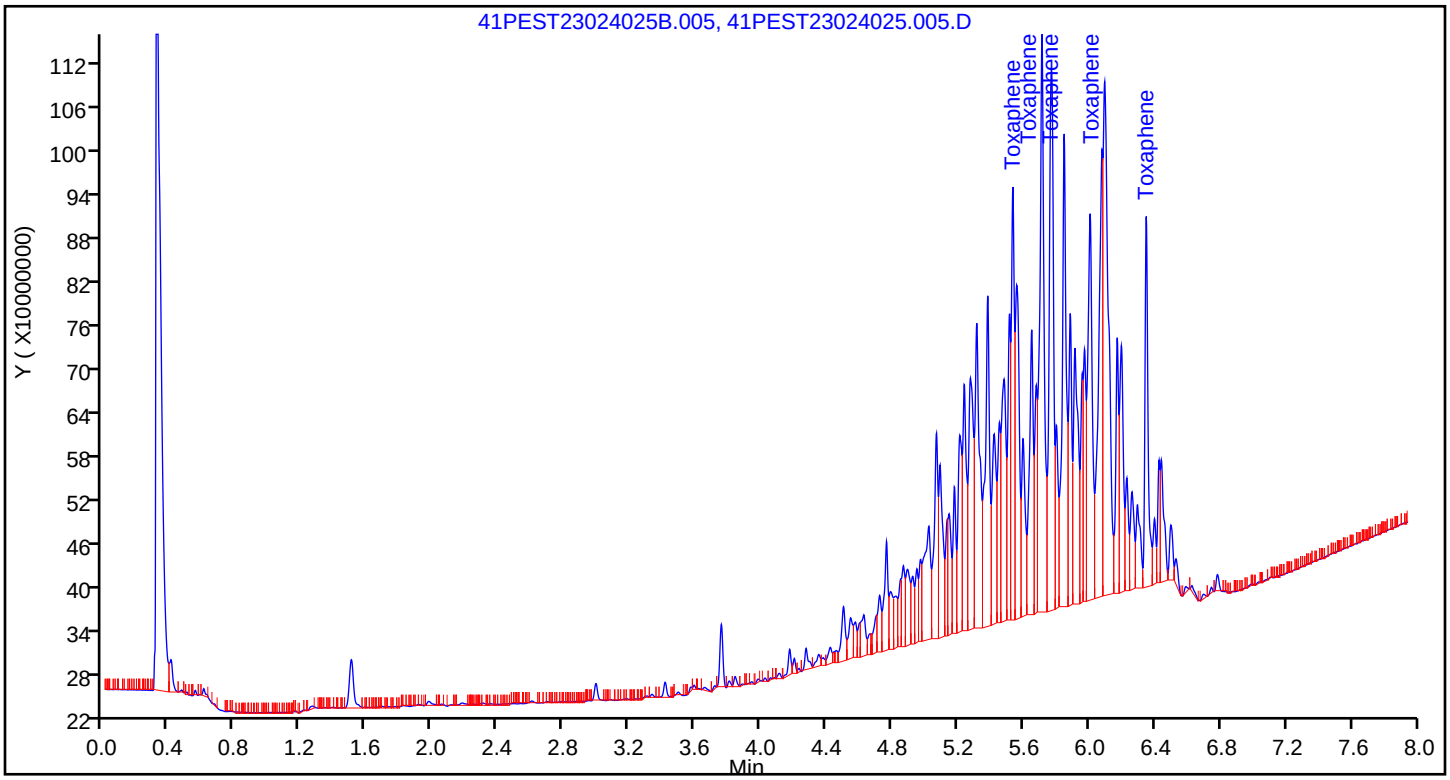
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/21 Calibration Date: 03/02/2023 04:50

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.021.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	95413059	94413902		9.90	10.0	-1.0	20.0
gamma-BHC (Lindane)	Ave	89325514	88844838		10.1	10.1	-0.5	20.0
beta-BHC	Ave	41291489	39158260		9.60	10.1	-5.2	20.0
Heptachlor	Ave	78126432	81596888		10.4	10.0	4.4	20.0
delta-BHC	Ave	103447733	102625616		9.92	10.0	-0.8	20.0
Aldrin	Ave	96790056	97811943		10.1	10.0	1.1	20.0
Heptachlor epoxide	Ave	92662726	92254782		10.1	10.1	-0.4	20.0
gamma-Chlordane	Ave	97872536	95926244		9.80	10.0	-2.0	20.0
alpha-Chlordane	Ave	98565577	96869228		9.95	10.1	-1.7	20.0
Endosulfan I	Ave	92619368	89545914		9.79	10.1	-3.3	20.0
p,p'-DDE	Ave	103232796	107957948		21.0	20.1	4.6	20.0
Dieldrin	Ave	103768244	106487178		20.5	20.0	2.6	20.0
Endrin	Ave	92628603	97382037		21.0	20.0	5.1	20.0
p,p'-DDD	Ave	85525504	91033644		21.3	20.0	6.4	20.0
Endosulfan II	Ave	91695920	93186220		20.3	20.0	1.6	20.0
p,p'-DDT	Ave	58544207	79028931		27.0	20.0	35.0*	20.0
Endrin aldehyde	Ave	76094833	79097110		20.8	20.0	3.9	20.0
Endosulfan sulfate	Ave	85370113	91479386		21.4	20.0	7.2	20.0
Methoxychlor	Ave	30005975	39554767		133	101	31.8*	20.0
Endrin ketone	Ave	93127807	101878360		22.0	20.1	9.4	20.0
Tetrachloro-m-xylene (Surr)	Ave	63166162	63725980		40.5	40.2	0.9	20.0
DCB Decachlorobiphenyl (Surr)	Ave	93418458	93466299		40.2	40.2	0.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/21 Calibration Date: 03/02/2023 04:50

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.021.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.46	2.43	2.49
gamma-BHC (Lindane)	2.83	2.80	2.86
beta-BHC	3.08	3.05	3.11
Heptachlor	3.20	3.17	3.23
delta-BHC	3.37	3.34	3.40
Aldrin	3.51	3.48	3.54
Heptachlor epoxide	4.01	3.98	4.04
gamma-Chlordane	4.22	4.18	4.24
alpha-Chlordane	4.30	4.27	4.33
Endosulfan I	4.34	4.31	4.37
p,p'-DDE	4.47	4.44	4.50
Dieldrin	4.58	4.55	4.61
Endrin	4.83	4.80	4.86
p,p'-DDD	4.93	4.90	4.96
Endosulfan II	5.04	5.01	5.07
p,p'-DDT	5.14	5.11	5.17
Endrin aldehyde	5.21	5.18	5.24
Endosulfan sulfate	5.36	5.33	5.39
Methoxychlor	5.64	5.60	5.66
Endrin ketone	5.80	5.77	5.83
Tetrachloro-m-xylene (Surr)	1.86	1.83	1.89
DCB Decachlorobiphenyl (Surr)	6.55	6.52	6.58

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.021.D
Lims ID: ccv mixa
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 04:50:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:58:25 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

First Level Reviewer: UAMZ Date: 02-Mar-2023 08:57:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	2559235339H	40.2	40.5	
2	2.577	2.573	0.004	1344472856H	40.2	38.3	
						RPD = 5.52	
2 alpha-BHC							
1	2.458	2.457	0.001	944139021H	10.0	9.90	
2	2.995	2.993	0.002	917262102H	10.0	9.76	
						RPD = 1.36	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	899553989H	10.1	10.1	
2	3.337	3.335	0.002	917390459H	10.1	9.81	
						RPD = 2.57	
5 beta-BHC							
1	3.083	3.082	0.001	396477384H	10.1	9.60	
2	3.598	3.597	0.001	333606451H	10.1	9.63	
						RPD = 0.25	
7 delta-BHC							
1	3.372	3.370	0.002	1026256158H	10.0	9.92	
2	3.847	3.845	0.002	1078159009H	10.0	9.97	
						RPD = 0.53	
8 Heptachlor							
1	3.198	3.197	0.001	815968882H	10.0	10.4	
2	3.920	3.918	0.002	1057783391H	10.0	9.90	
						RPD = 5.36	
9 Aldrin							
1	3.507	3.505	0.002	978119430H	10.0	10.1	
2	4.213	4.212	0.001	1106105906H	10.0	9.93	
						RPD = 1.74	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.013	4.010	0.003	934079666H	10.1	10.1	
2	4.585	4.583	0.002	966023404H	10.1	9.86	
						RPD = 2.26	
13 trans-Chlordane							
1	4.215	4.213	0.002	959262444H	10.0	9.80	
2	4.843	4.842	0.001	960743482H	10.0	10.0	
						RPD = 1.92	
14 cis-Chlordane							
1	4.297	4.295	0.002	980800931H	10.1	9.95	
2	4.885	4.882	0.003	931367528H	10.1	10.3	
						RPD = 3.45	
15 Endosulfan I							
1	4.342	4.340	0.002	906652376H	10.1	9.79	
2	4.915	4.913	0.002	922744041H	10.1	10.1	
						RPD = 3.13	
16 4,4'-DDE							
1	4.470	4.468	0.002	2172653709H	20.1	21.0	
2	4.998	4.997	0.001	2028696313H	20.1	19.9	
						RPD = 5.46	
18 Dieldrin							
1	4.580	4.578	0.002	2129743554H	20.0	20.5	
2	5.115	5.113	0.002	2117979887H	20.0	19.7	
						RPD = 4.00	
19 Endrin							
1	4.832	4.830	0.002	1947640741H	20.0	21.0	
2	5.292	5.290	0.002	1835006321H	20.0	19.8	
						RPD = 5.81	
22 4,4'-DDD							
1	4.928	4.927	0.001	1820672876H	20.0	21.3	
2	5.390	5.387	0.003	1476925878H	20.0	19.9	
						RPD = 6.57	
23 Endosulfan II							
1	5.040	5.038	0.002	1863724397H	20.0	20.3	
2	5.487	5.483	0.004	1692332213H	20.0	20.0	
						RPD = 1.86	
25 Endrin aldehyde							
1	5.213	5.212	0.001	1581942197H	20.0	20.8	
2	5.567	5.565	0.002	1282797704H	20.0	19.8	
						RPD = 4.68	
26 4,4'-DDT							
1	5.140	5.138	0.002	1580578628H	20.0	27.0	
2	5.617	5.613	0.004	1179052081H	20.0	18.2	
						RPD = 38.74	
27 Endosulfan sulfate							
1	5.363	5.362	0.001	1829587713H	20.0	21.4	
2	5.772	5.768	0.004	1480305913H	20.0	19.1	
						RPD = 11.62	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	3985142810H	100.8	132.8	
2	5.925	5.922	0.003	3455098125H	100.8	96.5	
						RPD = 31.65	
29 Endrin ketone							
1	5.800	5.798	0.002	2050302003H	20.1	22.0	
2	6.075	6.073	0.002	1566306022H	20.1	19.7	
						RPD = 11.02	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	3753606576H	40.2	40.2	
2	7.120	7.118	0.002	2317784720H	40.2	37.5	
						RPD = 6.88	
S 32 Total DDTs							
1						27.0	
2						18.2	
						RPD = 38.74	
S 33 Endosulfan, Total							
1						30.1	
2						30.1	
						RPD = 0.21	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:58:25 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.021.D

Injection Date: 02-Mar-2023 04:50:00 Instrument ID: 9147

Lims ID: ccv mixa

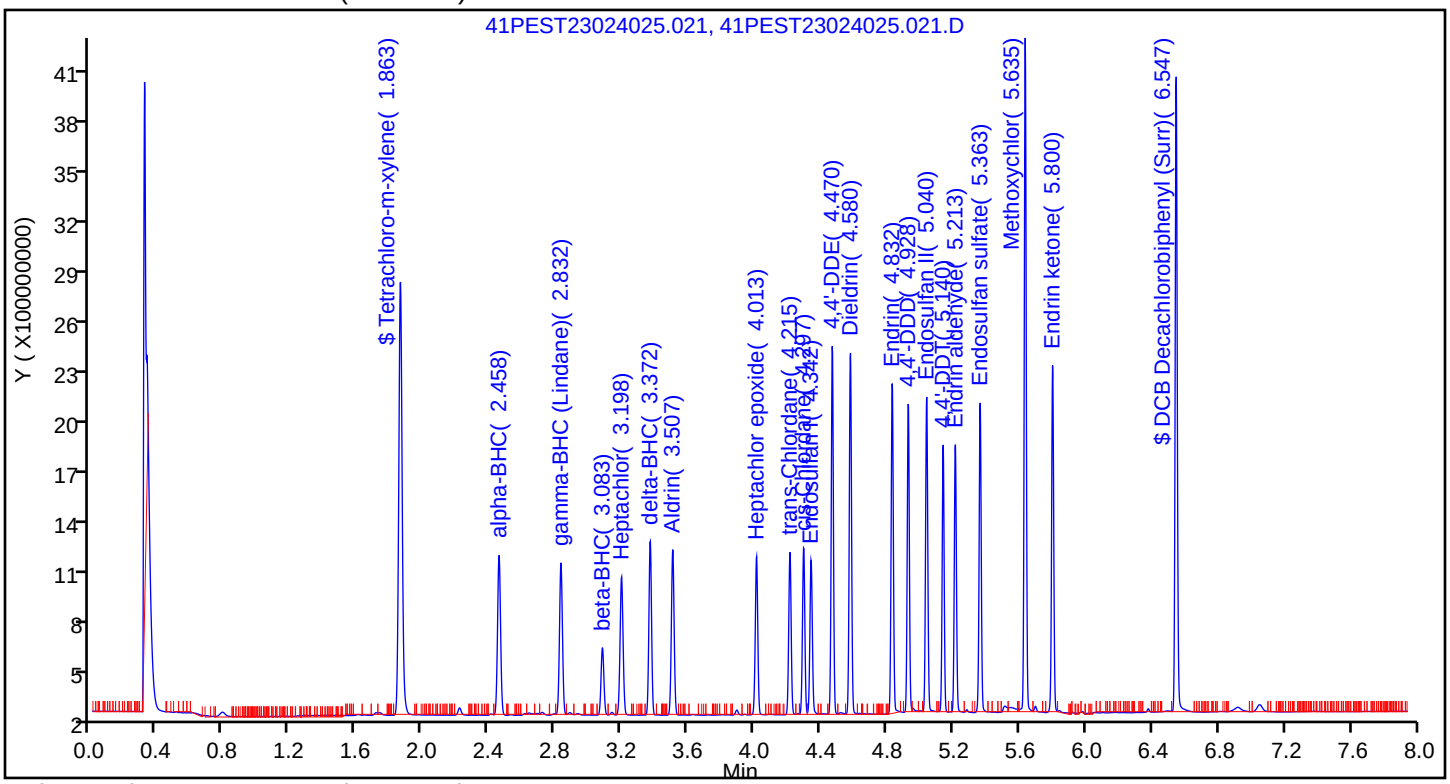
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 21

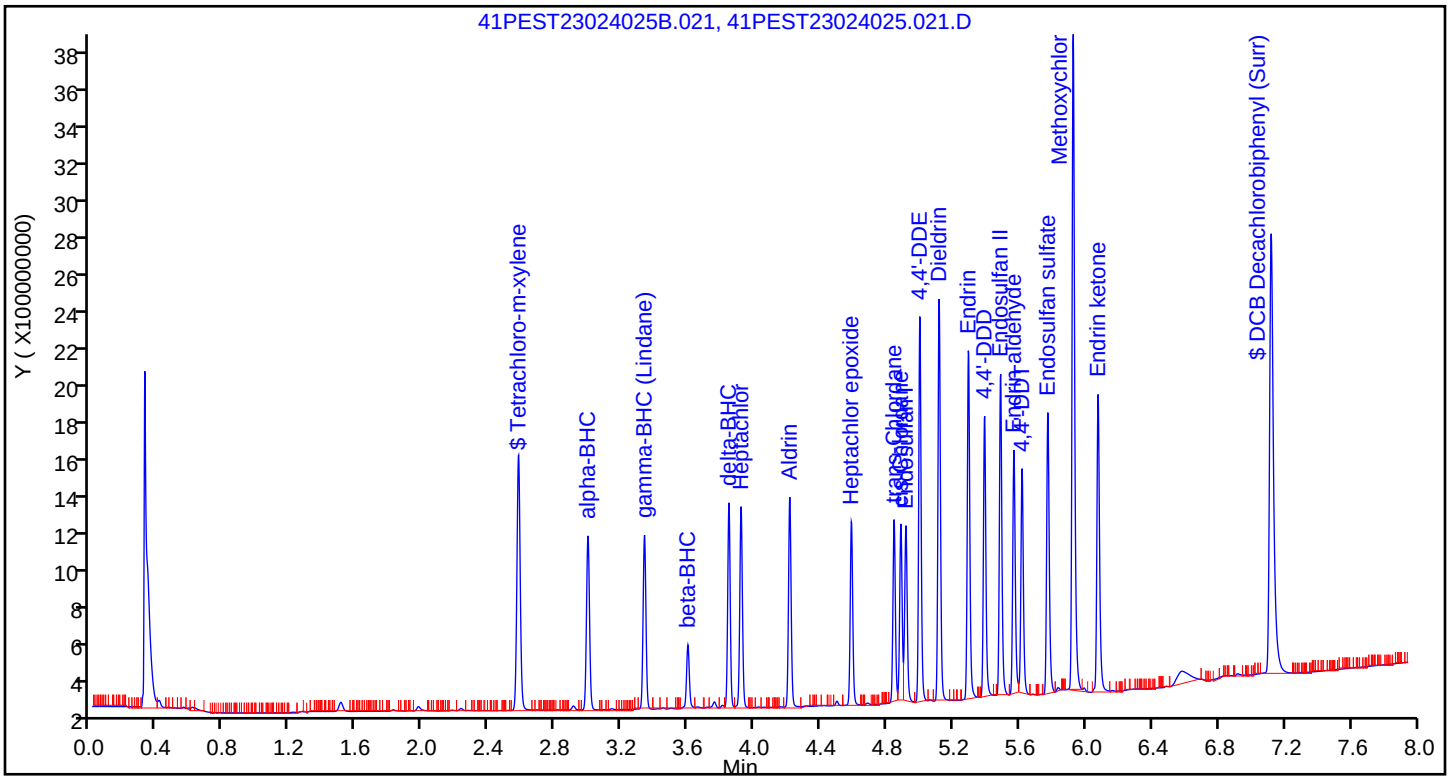
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/21 Calibration Date: 03/02/2023 04:50

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.021.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	93968674	91726210		9.76	10.0	-2.4	20.0
gamma-BHC (Lindane)	Ave	93468654	90606465		9.81	10.1	-3.1	20.0
beta-BHC	Ave	34657421	32948785		9.63	10.1	-4.9	20.0
delta-BHC	Ave	108099750	107815901		9.97	10.0	-0.3	20.0
Heptachlor	Ave	106861330	105778339		9.90	10.0	-1.0	20.0
Aldrin	Ave	111376791	110610591		9.93	10.0	-0.7	20.0
Heptachlor epoxide	Ave	98018452	95409719		9.86	10.1	-2.7	20.0
gamma-Chlordane	Ave	96162994	96074348		9.99	10.0	-0.0	20.0
alpha-Chlordane	Ave	90419143	91986916		10.3	10.1	1.7	20.0
Endosulfan I	Ave	91357573	91135214		10.1	10.1	-0.2	20.0
p,p'-DDE	Ave	101801952	100804786		19.9	20.1	-1.0	20.0
Dieldrin	Ave	107402915	105898994		19.7	20.0	-1.4	20.0
Endrin	Ave	92494302	91750316		19.8	20.0	-0.8	20.0
p,p'-DDD	Ave	74090559	73846294		19.9	20.0	-0.3	20.0
Endosulfan II	Ave	84827236	84616611		20.0	20.0	-0.2	20.0
Endrin aldehyde	Ave	64663794	64139885		19.8	20.0	-0.8	20.0
p,p'-DDT	Ave	64653902	58952604		18.2	20.0	-8.8	20.0
Endosulfan sulfate	Ave	77591982	74015296		19.1	20.0	-4.6	20.0
Methoxychlor	Ave	35796912	34293778		96.5	101	-4.2	20.0
Endrin ketone	Ave	79443368	77828871		19.7	20.1	-2.0	20.0
Tetrachloro-m-xylene (Surr)	Ave	35066552	33477910		38.3	40.2	-4.5	20.0
DCB Decachlorobiphenyl (Surr)	Ave	61795527	57713763		37.5	40.2	-6.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/21 Calibration Date: 03/02/2023 04:50

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.021.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	3.00	2.96	3.02
gamma-BHC (Lindane)	3.34	3.31	3.37
beta-BHC	3.60	3.57	3.63
delta-BHC	3.85	3.82	3.88
Heptachlor	3.92	3.89	3.95
Aldrin	4.21	4.18	4.24
Heptachlor epoxide	4.59	4.55	4.61
gamma-Chlordane	4.84	4.81	4.87
alpha-Chlordane	4.89	4.85	4.91
Endosulfan I	4.92	4.88	4.94
p,p'-DDE	5.00	4.97	5.03
Dieldrin	5.12	5.08	5.14
Endrin	5.29	5.26	5.32
p,p'-DDD	5.39	5.36	5.42
Endosulfan II	5.49	5.45	5.51
Endrin aldehyde	5.57	5.54	5.60
p,p'-DDT	5.62	5.58	5.64
Endosulfan sulfate	5.77	5.74	5.80
Methoxychlor	5.93	5.89	5.95
Endrin ketone	6.08	6.04	6.10
Tetrachloro-m-xylene (Surr)	2.58	2.54	2.60
DCB Decachlorobiphenyl (Surr)	7.12	7.09	7.15

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.021.D
Lims ID: ccv mixa
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 04:50:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:58:25 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

First Level Reviewer: UAMZ Date: 02-Mar-2023 08:57:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	2559235339H	40.2	40.5	
2	2.577	2.573	0.004	1344472856H	40.2	38.3	
						RPD = 5.52	
2 alpha-BHC							
1	2.458	2.457	0.001	944139021H	10.0	9.90	
2	2.995	2.993	0.002	917262102H	10.0	9.76	
						RPD = 1.36	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	899553989H	10.1	10.1	
2	3.337	3.335	0.002	917390459H	10.1	9.81	
						RPD = 2.57	
5 beta-BHC							
1	3.083	3.082	0.001	396477384H	10.1	9.60	
2	3.598	3.597	0.001	333606451H	10.1	9.63	
						RPD = 0.25	
7 delta-BHC							
1	3.372	3.370	0.002	1026256158H	10.0	9.92	
2	3.847	3.845	0.002	1078159009H	10.0	9.97	
						RPD = 0.53	
8 Heptachlor							
1	3.198	3.197	0.001	815968882H	10.0	10.4	
2	3.920	3.918	0.002	1057783391H	10.0	9.90	
						RPD = 5.36	
9 Aldrin							
1	3.507	3.505	0.002	978119430H	10.0	10.1	
2	4.213	4.212	0.001	1106105906H	10.0	9.93	
						RPD = 1.74	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.013	4.010	0.003	934079666H	10.1	10.1	
2	4.585	4.583	0.002	966023404H	10.1	9.86	
						RPD = 2.26	
13 trans-Chlordane							
1	4.215	4.213	0.002	959262444H	10.0	9.80	
2	4.843	4.842	0.001	960743482H	10.0	10.0	
						RPD = 1.92	
14 cis-Chlordane							
1	4.297	4.295	0.002	980800931H	10.1	9.95	
2	4.885	4.882	0.003	931367528H	10.1	10.3	
						RPD = 3.45	
15 Endosulfan I							
1	4.342	4.340	0.002	906652376H	10.1	9.79	
2	4.915	4.913	0.002	922744041H	10.1	10.1	
						RPD = 3.13	
16 4,4'-DDE							
1	4.470	4.468	0.002	2172653709H	20.1	21.0	
2	4.998	4.997	0.001	2028696313H	20.1	19.9	
						RPD = 5.46	
18 Dieldrin							
1	4.580	4.578	0.002	2129743554H	20.0	20.5	
2	5.115	5.113	0.002	2117979887H	20.0	19.7	
						RPD = 4.00	
19 Endrin							
1	4.832	4.830	0.002	1947640741H	20.0	21.0	
2	5.292	5.290	0.002	1835006321H	20.0	19.8	
						RPD = 5.81	
22 4,4'-DDD							
1	4.928	4.927	0.001	1820672876H	20.0	21.3	
2	5.390	5.387	0.003	1476925878H	20.0	19.9	
						RPD = 6.57	
23 Endosulfan II							
1	5.040	5.038	0.002	1863724397H	20.0	20.3	
2	5.487	5.483	0.004	1692332213H	20.0	20.0	
						RPD = 1.86	
25 Endrin aldehyde							
1	5.213	5.212	0.001	1581942197H	20.0	20.8	
2	5.567	5.565	0.002	1282797704H	20.0	19.8	
						RPD = 4.68	
26 4,4'-DDT							
1	5.140	5.138	0.002	1580578628H	20.0	27.0	
2	5.617	5.613	0.004	1179052081H	20.0	18.2	
						RPD = 38.74	
27 Endosulfan sulfate							
1	5.363	5.362	0.001	1829587713H	20.0	21.4	
2	5.772	5.768	0.004	1480305913H	20.0	19.1	
						RPD = 11.62	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	3985142810	H 100.8	132.8	
2	5.925	5.922	0.003	3455098125	H 100.8	96.5	
						RPD = 31.65	
29 Endrin ketone							
1	5.800	5.798	0.002	2050302003	H 20.1	22.0	
2	6.075	6.073	0.002	1566306022	H 20.1	19.7	
						RPD = 11.02	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	3753606576	H 40.2	40.2	
2	7.120	7.118	0.002	2317784720	H 40.2	37.5	
						RPD = 6.88	
S 32 Total DDTs							
1						27.0	
2						18.2	
						RPD = 38.74	
S 33 Endosulfan, Total							
1						30.1	
2						30.1	
						RPD = 0.21	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:58:26 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.021.D

Injection Date: 02-Mar-2023 04:50:00 Instrument ID: 9147

Lims ID: ccv mixa

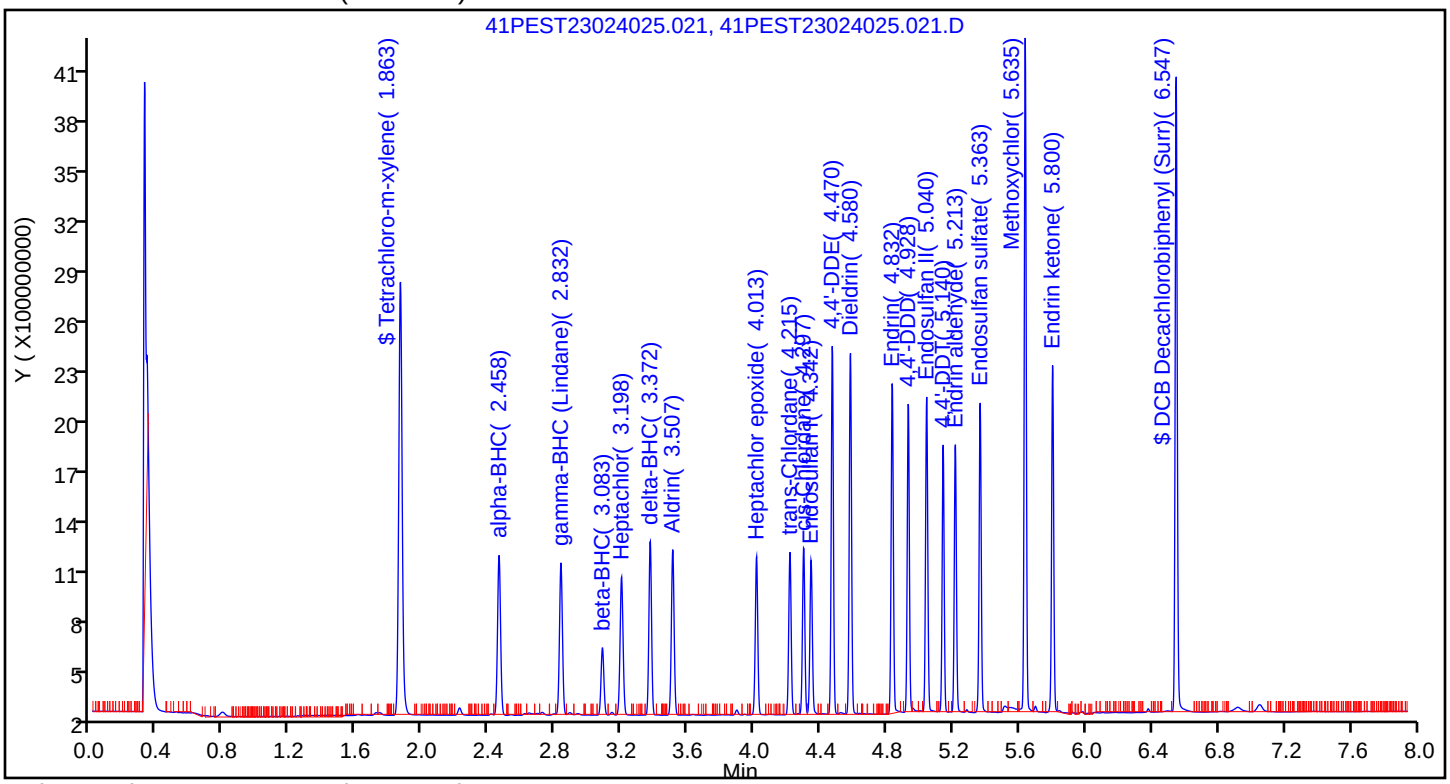
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 21

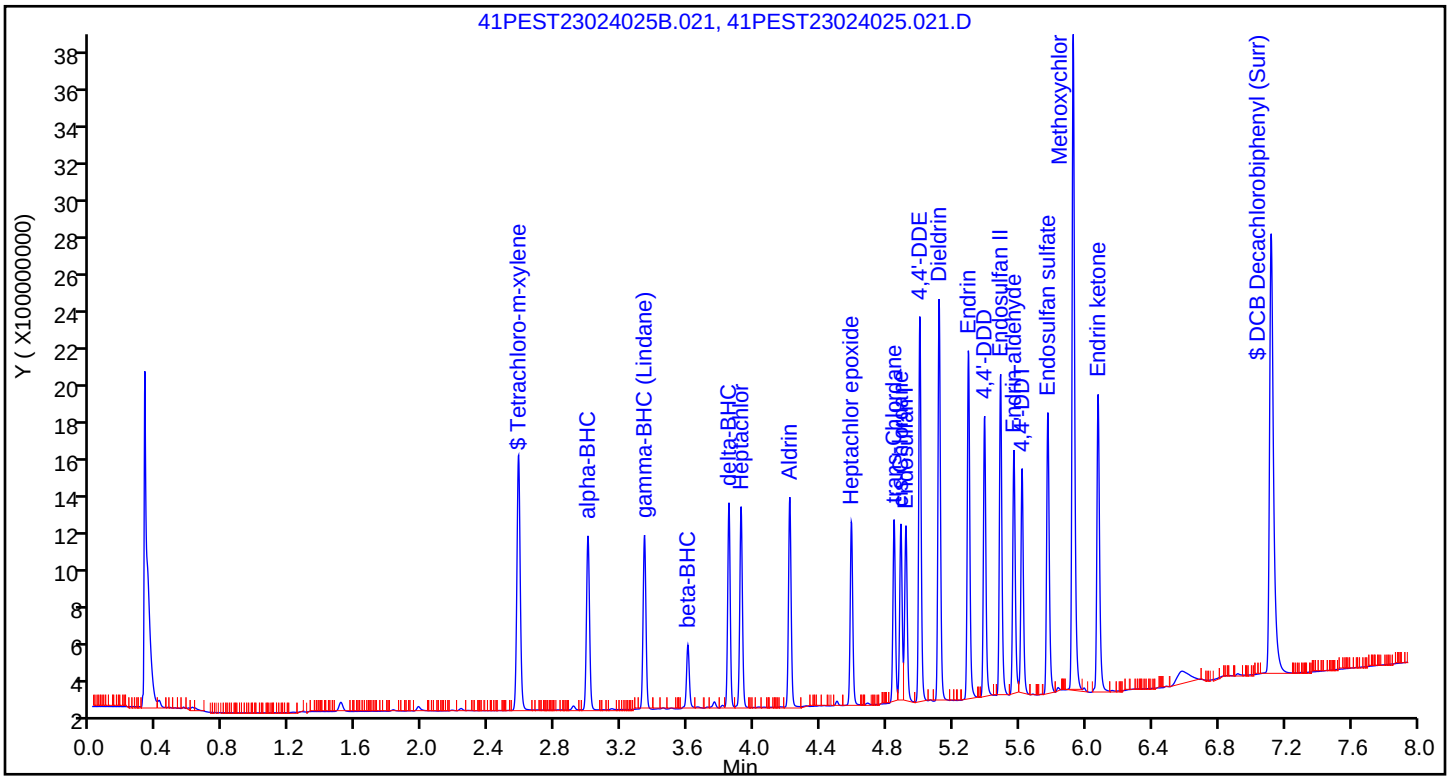
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/22 Calibration Date: 03/02/2023 05:05

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.022.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 5	Ave	870979	997112		572	500	14.5	20.0
Toxaphene Peak 1	Ave	1108485	1289524		582	500	16.3	20.0
Toxaphene Peak 2	Ave	1500516	1821167		607	500	21.4*	20.0
Toxaphene Peak 3	Ave	1884364	2278457		605	500	20.9*	20.0
Toxaphene Peak 4	Ave	1460165	1783246		611	500	22.1*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/22 Calibration Date: 03/02/2023 05:05

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.022.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 5	4.86	4.83	4.89
Toxaphene Peak 1	5.06	5.03	5.09
Toxaphene Peak 2	5.28	5.25	5.31
Toxaphene Peak 3	5.66	5.63	5.69
Toxaphene Peak 4	5.90	5.87	5.93

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.022.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 05:05:00 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:58:26 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.058	5.060	-0.002	644761789H	500.0	581.7	
1	5.275	5.277	-0.002	910583307H	500.0	606.8	
1	5.657	5.657	0.000	1139228280H	500.0	604.6	
1	5.902	5.902	0.000	891623006H	500.0	610.6	
1	4.855	4.857	-0.002	498555911H	500.0	572.4	
		Average of Peak Amounts =				595.2	
2	5.533	5.537	-0.004	580646488H	500.0	585.2	
2	5.710	5.715	-0.005	778781802H	500.0	549.0	
2	5.845	5.850	-0.005	639714171H	500.0	548.3	
2	6.092	6.097	-0.005	708241492H	500.0	576.3	
2	6.347	6.350	-0.003	487540613H	500.0	529.2	
		Average of Peak Amounts =				557.6	
						RPD = 6.53	

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:58:27 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.022.D

Injection Date: 02-Mar-2023 05:05:00 Instrument ID: 9147

Lims ID: ccv tox

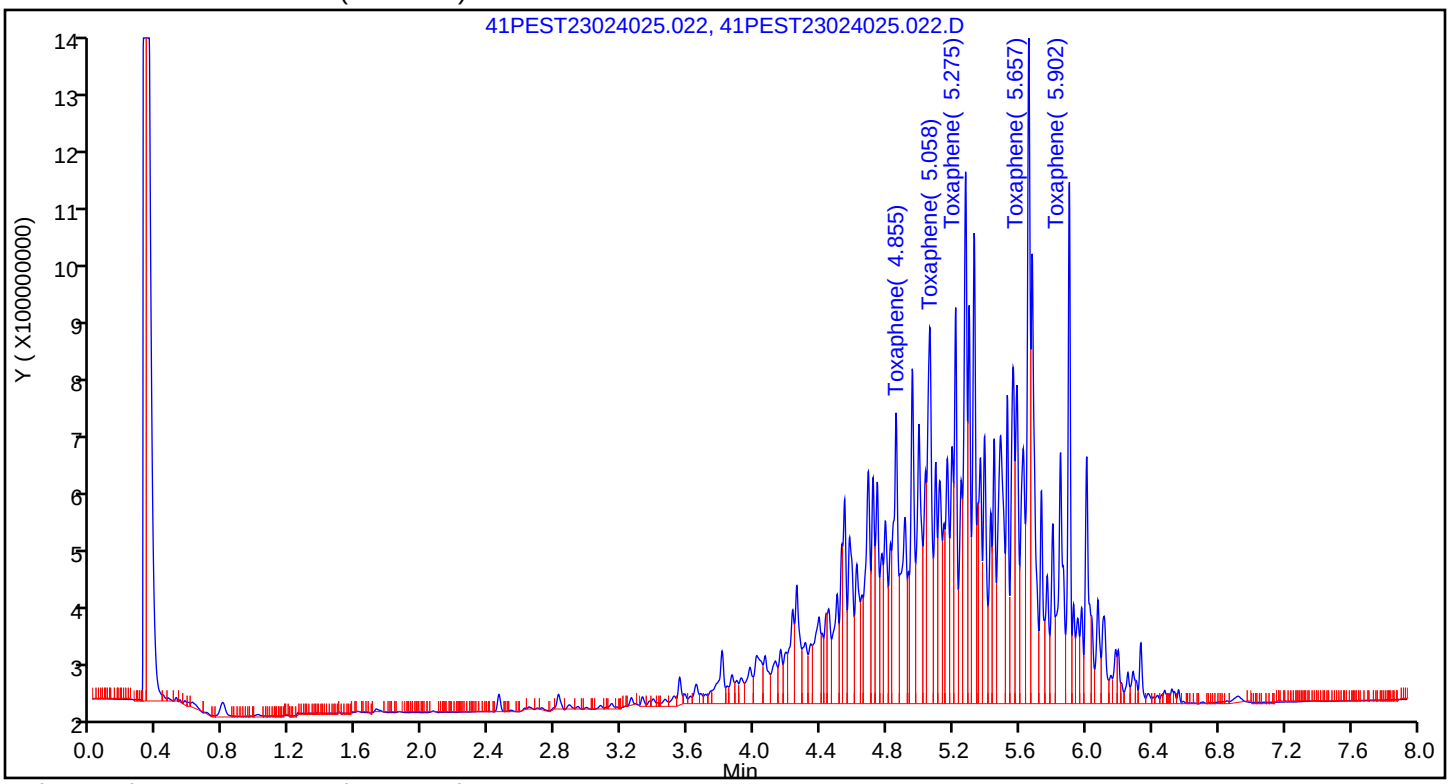
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 22

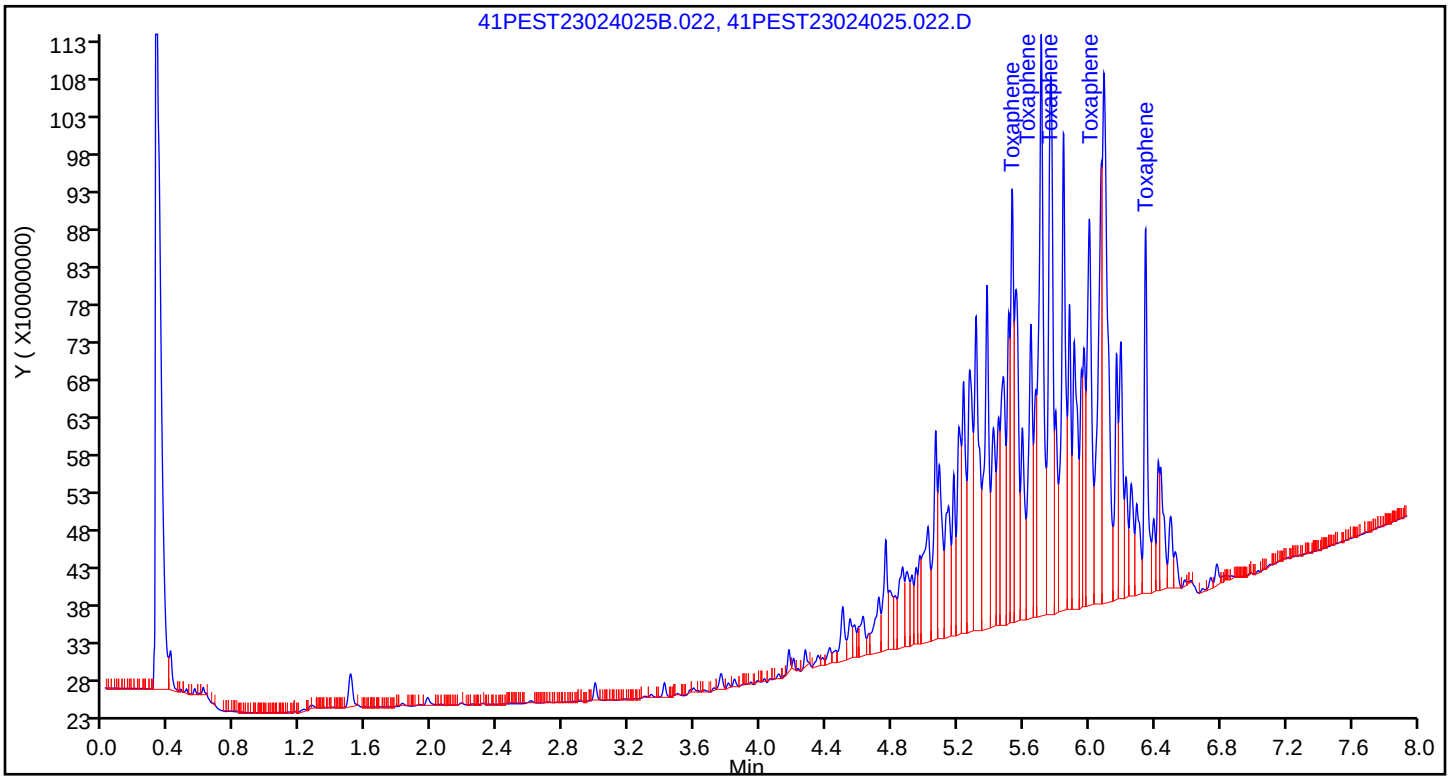
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/22 Calibration Date: 03/02/2023 05:05

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.022.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	992201	1161293		585	500	17.0	20.0
Toxaphene Peak 2	Ave	1418450	1557564		549	500	9.8	20.0
Toxaphene Peak 3	Ave	1166664	1279428		548	500	9.7	20.0
Toxaphene Peak 4	Ave	1229009	1416483		576	500	15.3	20.0
Toxaphene Peak 5	Ave	921278	975081		529	500	5.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/22 Calibration Date: 03/02/2023 05:05

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.022.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.53	5.51	5.57
Toxaphene Peak 2	5.71	5.69	5.75
Toxaphene Peak 3	5.85	5.82	5.88
Toxaphene Peak 4	6.09	6.07	6.13
Toxaphene Peak 5	6.35	6.32	6.38

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.022.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 05:05:00 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:58:26 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.058	5.060	-0.002	644761789H	500.0	581.7	
1	5.275	5.277	-0.002	910583307H	500.0	606.8	
1	5.657	5.657	0.000	1139228280H	500.0	604.6	
1	5.902	5.902	0.000	891623006H	500.0	610.6	
1	4.855	4.857	-0.002	498555911H	500.0	572.4	
		Average of Peak Amounts =				595.2	
2	5.533	5.537	-0.004	580646488H	500.0	585.2	
2	5.710	5.715	-0.005	778781802H	500.0	549.0	
2	5.845	5.850	-0.005	639714171H	500.0	548.3	
2	6.092	6.097	-0.005	708241492H	500.0	576.3	
2	6.347	6.350	-0.003	487540613H	500.0	529.2	
		Average of Peak Amounts =				557.6	
						RPD = 6.53	

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:58:27 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.022.D

Injection Date: 02-Mar-2023 05:05:00 Instrument ID: 9147

Lims ID: ccv tox

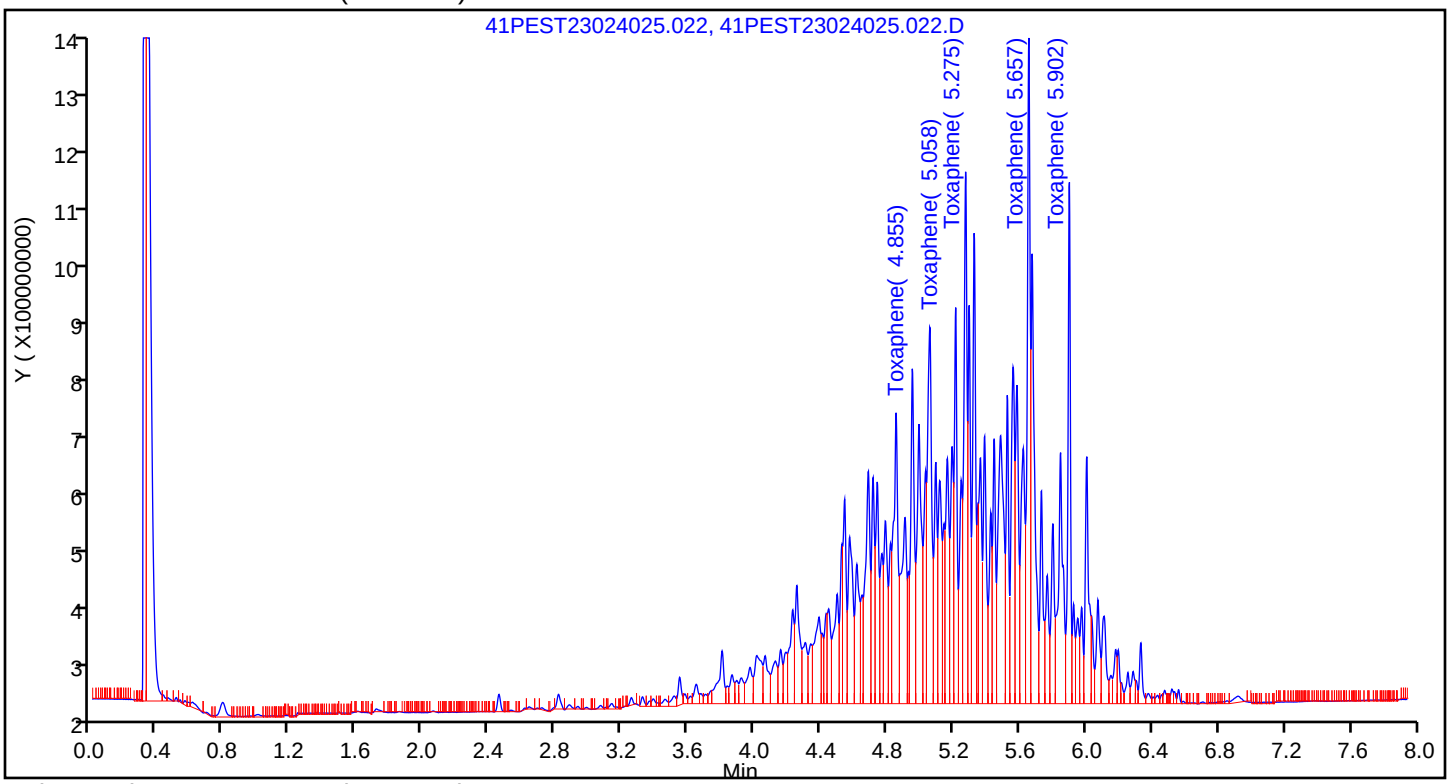
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 22

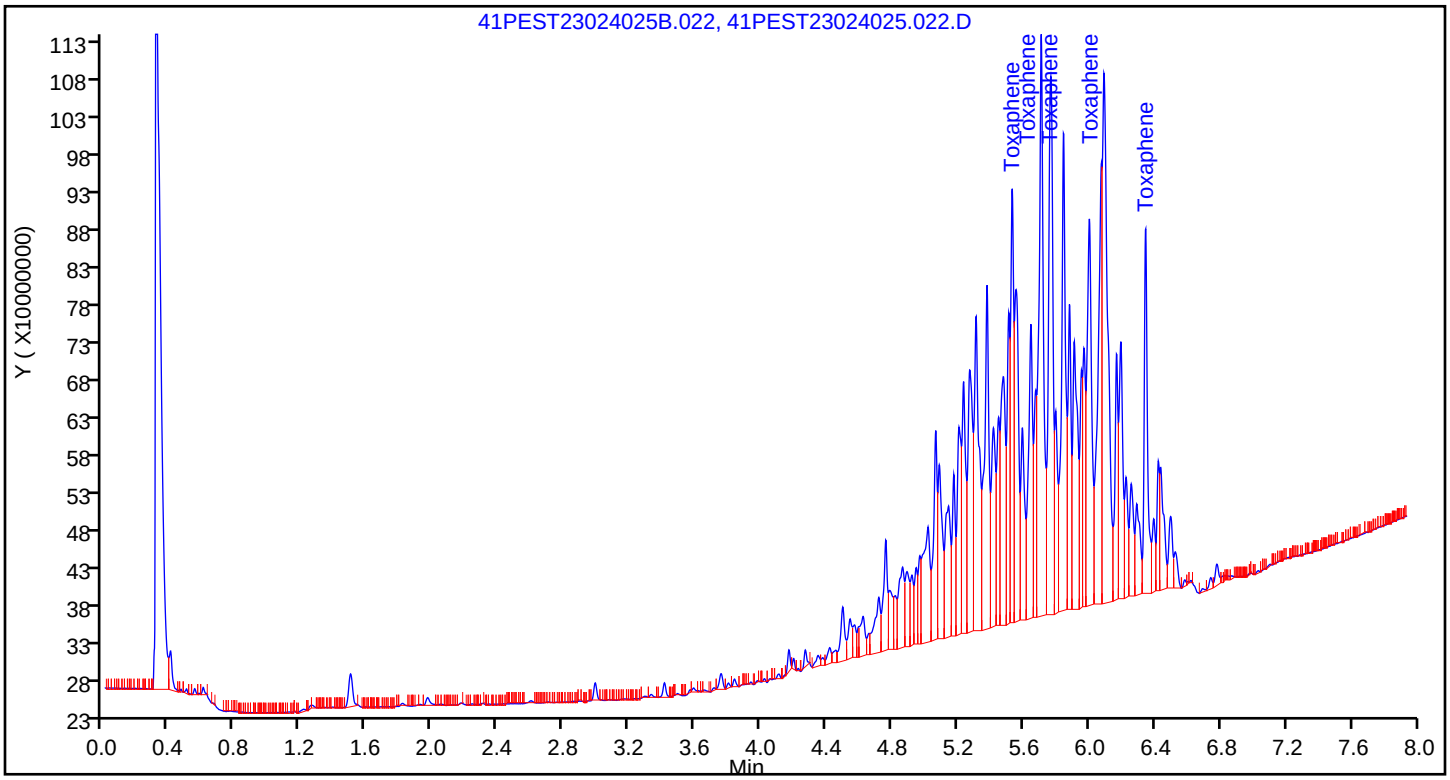
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/66 Calibration Date: 03/02/2023 15:51

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.066.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	95413059	88625033		9.29	10.0	-7.1	20.0
gamma-BHC (Lindane)	Ave	89325514	82568225		9.36	10.1	-7.6	20.0
beta-BHC	Ave	41291489	37083444		9.09	10.1	-10.2	20.0
Heptachlor	Ave	78126432	73528924		9.41	10.0	-5.9	20.0
delta-BHC	Ave	103447733	97722446		9.45	10.0	-5.5	20.0
Aldrin	Ave	96790056	89139799		9.21	10.0	-7.9	20.0
Heptachlor epoxide	Ave	92662726	86834376		9.49	10.1	-6.3	20.0
gamma-Chlordane	Ave	97872536	88675391		9.06	10.0	-9.4	20.0
alpha-Chlordane	Ave	98565577	90259229		9.27	10.1	-8.4	20.0
Endosulfan I	Ave	92619368	85437339		9.34	10.1	-7.8	20.0
p,p'-DDE	Ave	103232796	103033484		20.1	20.1	-0.2	20.0
Dieldrin	Ave	103768244	99247164		19.1	20.0	-4.4	20.0
Endrin	Ave	92628603	93852861		20.3	20.0	1.3	20.0
p,p'-DDD	Ave	85525504	86055780		20.1	20.0	0.6	20.0
Endosulfan II	Ave	91695920	89252300		19.5	20.0	-2.7	20.0
p,p'-DDT	Ave	58544207	61685100		21.1	20.0	5.4	20.0
Endrin aldehyde	Ave	76094833	75382937		19.8	20.0	-0.9	20.0
Endosulfan sulfate	Ave	85370113	87174639		20.4	20.0	2.1	20.0
Methoxychlor	Ave	30005975	33674650		113	101	12.2	20.0
Endrin ketone	Ave	93127807	90696792		19.6	20.1	-2.6	20.0
Tetrachloro-m-xylene (Surr)	Ave	63166162	59257412		37.7	40.2	-6.2	20.0
DCB Decachlorobiphenyl (Surr)	Ave	93418458	90324540		38.8	40.2	-3.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/66 Calibration Date: 03/02/2023 15:51

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.066.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.46	2.43	2.49
gamma-BHC (Lindane)	2.83	2.80	2.86
beta-BHC	3.08	3.05	3.11
Heptachlor	3.20	3.17	3.23
delta-BHC	3.37	3.34	3.40
Aldrin	3.51	3.48	3.54
Heptachlor epoxide	4.01	3.98	4.04
gamma-Chlordane	4.21	4.18	4.24
alpha-Chlordane	4.30	4.27	4.33
Endosulfan I	4.34	4.31	4.37
p,p'-DDE	4.47	4.44	4.50
Dieldrin	4.58	4.55	4.61
Endrin	4.83	4.80	4.86
p,p'-DDD	4.93	4.90	4.96
Endosulfan II	5.04	5.01	5.07
p,p'-DDT	5.14	5.11	5.17
Endrin aldehyde	5.21	5.18	5.24
Endosulfan sulfate	5.36	5.33	5.39
Methoxychlor	5.64	5.60	5.66
Endrin ketone	5.80	5.77	5.83
Tetrachloro-m-xylene (Surr)	1.86	1.83	1.89
DCB Decachlorobiphenyl (Surr)	6.55	6.52	6.58

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.066.D
Lims ID: ccv mixa
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 15:51:00 ALS Bottle#: 0 Worklist Smp#: 66
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:30:48 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	2379777674H	40.2	37.7	
2	2.573	2.573	0.000	1326847044H	40.2	37.8	
						RPD = 0.43	
2 alpha-BHC							
1	2.458	2.457	0.001	886250325H	10.0	9.29	
2	2.992	2.993	-0.001	916010516H	10.0	9.75	
						RPD = 4.83	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	836003274H	10.1	9.36	
2	3.333	3.335	-0.002	915470175H	10.1	9.79	
						RPD = 4.55	
5 beta-BHC							
1	3.082	3.082	0.000	375469868H	10.1	9.09	
2	3.595	3.597	-0.002	326913665H	10.1	9.43	
						RPD = 3.67	
7 delta-BHC							
1	3.372	3.370	0.002	977224462H	10.0	9.45	
2	3.842	3.845	-0.003	1081557305H	10.0	10.0	
						RPD = 5.74	
8 Heptachlor							
1	3.198	3.197	0.001	735289238H	10.0	9.41	
2	3.917	3.918	-0.001	1006123551H	10.0	9.42	
						RPD = 0.04	
9 Aldrin							
1	3.507	3.505	0.002	891397988H	10.0	9.21	
2	4.210	4.212	-0.002	1080062271H	10.0	9.70	
						RPD = 5.16	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.012	4.010	0.002	879198062H	10.1	9.49	
2	4.582	4.583	-0.001	936932517H	10.1	9.56	
						RPD = 0.74	
13 trans-Chlordane							
1	4.213	4.213	0.000	886753912H	10.0	9.06	
2	4.840	4.842	-0.002	926758803H	10.0	9.64	
						RPD = 6.17	
14 cis-Chlordane							
1	4.297	4.295	0.002	913874697H	10.1	9.27	
2	4.880	4.882	-0.002	916629752H	10.1	10.1	
						RPD = 8.92	
15 Endosulfan I							
1	4.342	4.340	0.002	865053056H	10.1	9.34	
2	4.912	4.913	-0.001	889473740H	10.1	9.74	
						RPD = 4.16	
16 4,4'-DDE							
1	4.470	4.468	0.002	2073548864H	20.1	20.1	
2	4.995	4.997	-0.002	2024646282H	20.1	19.9	
						RPD = 0.99	
18 Dieldrin							
1	4.578	4.578	0.000	1984943275H	20.0	19.1	
2	5.112	5.113	-0.001	2080493079H	20.0	19.4	
						RPD = 1.26	
19 Endrin							
1	4.832	4.830	0.002	1877057213H	20.0	20.3	
2	5.288	5.290	-0.002	1809706833H	20.0	19.6	
						RPD = 3.51	
22 4,4'-DDD							
1	4.928	4.927	0.001	1721115595H	20.0	20.1	
2	5.385	5.387	-0.002	1496109309H	20.0	20.2	
						RPD = 0.34	
23 Endosulfan II							
1	5.038	5.038	0.000	1785046000H	20.0	19.5	
2	5.482	5.483	-0.001	1648307337H	20.0	19.4	
						RPD = 0.18	
25 Endrin aldehyde							
1	5.213	5.212	0.001	1507658735H	20.0	19.8	
2	5.563	5.565	-0.002	1290131985H	20.0	20.0	
						RPD = 0.70	
26 4,4'-DDT							
1	5.140	5.138	0.002	1233702007H	20.0	21.1	
2	5.612	5.613	-0.001	1122239147H	20.0	17.4	
						RPD = 19.34	
27 Endosulfan sulfate							
1	5.363	5.362	0.001	1743492775H	20.0	20.4	
2	5.768	5.768	0.000	1502392224H	20.0	19.4	
						RPD = 5.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	3392720952H	100.8	113.1	
2	5.922	5.922	0.000	3348540712H	100.8	93.5	
						RPD = 18.90	
29 Endrin ketone							
1	5.800	5.798	0.002	1825272934H	20.1	19.6	
2	6.072	6.073	-0.001	1579571716H	20.1	19.9	
						RPD = 1.44	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	3627433507H	40.2	38.8	
2	7.117	7.118	-0.001	2337504835H	40.2	37.8	
						RPD = 2.62	
S 32 Total DDTs							
1						21.1	
2						17.4	
						RPD = 19.34	
S 33 Endosulfan, Total							
1						28.8	
2						29.2	
						RPD = 1.24	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:30:48 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.066.D

Injection Date: 02-Mar-2023 15:51:00 Instrument ID: 9147

Lims ID: ccv mixa

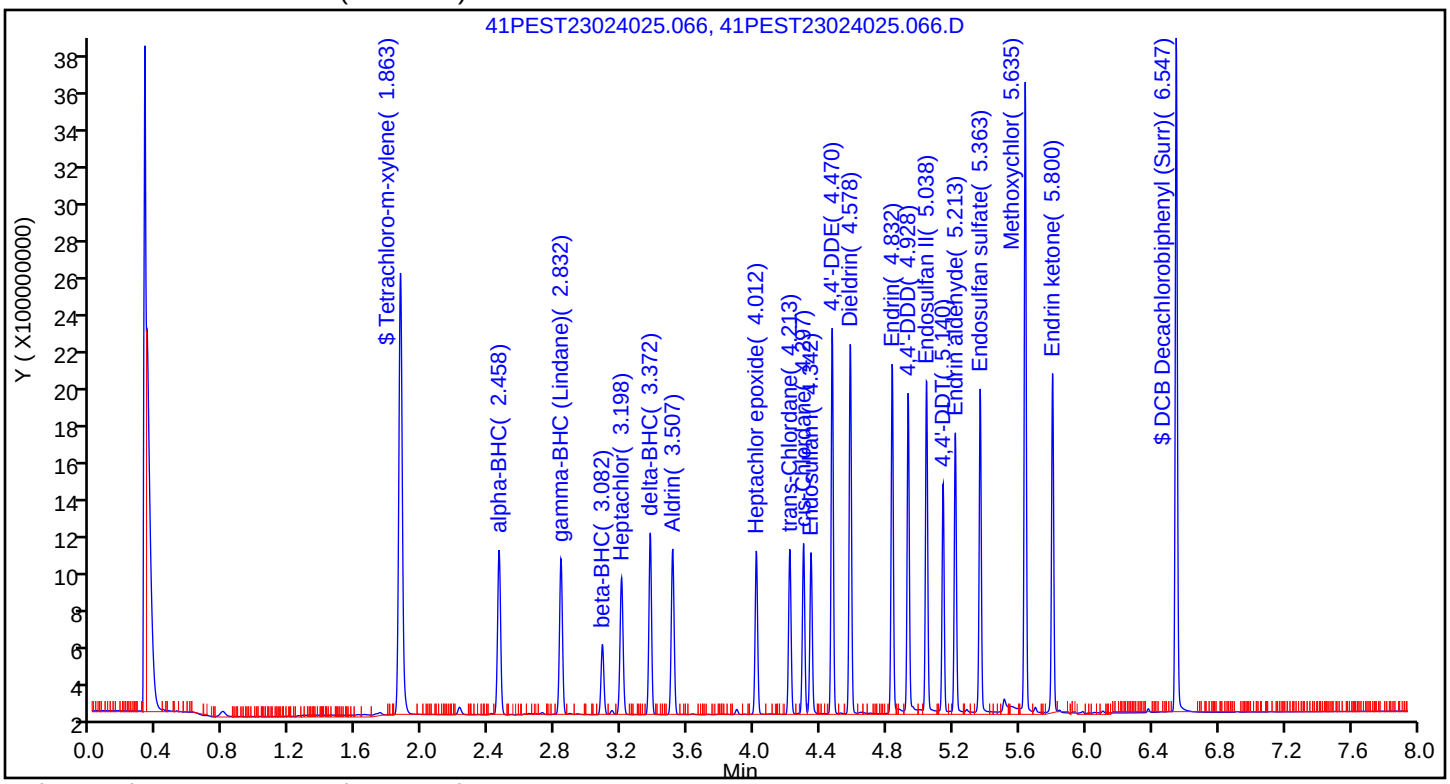
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 66

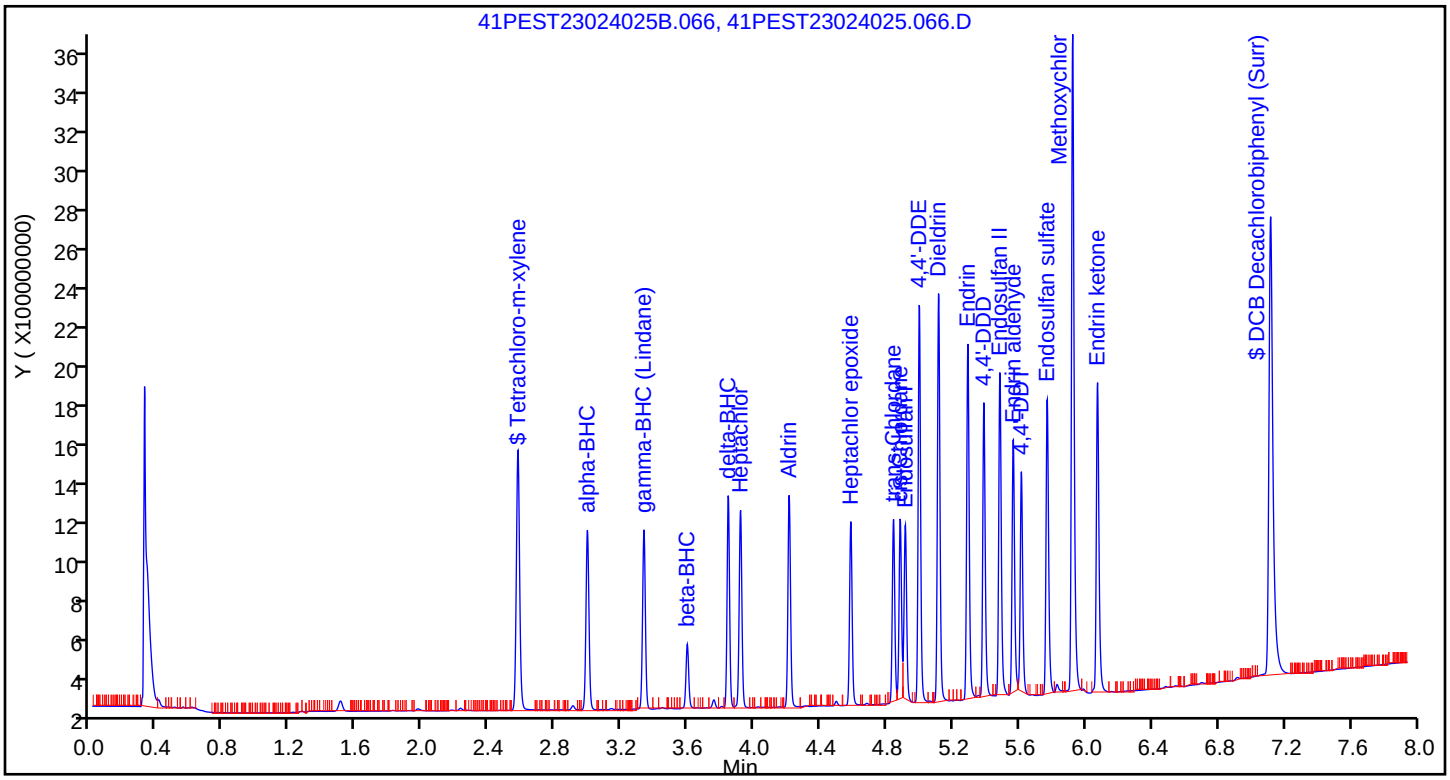
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/66 Calibration Date: 03/02/2023 15:51

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.066.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	93968674	91601052		9.75	10.0	-2.5	20.0
gamma-BHC (Lindane)	Ave	93468654	90416807		9.79	10.1	-3.3	20.0
beta-BHC	Ave	34657421	32287769		9.43	10.1	-6.8	20.0
delta-BHC	Ave	108099750	108155731		10.0	10.0	0.0	20.0
Heptachlor	Ave	106861330	100612355		9.42	10.0	-5.8	20.0
Aldrin	Ave	111376791	108006227		9.70	10.0	-3.0	20.0
Heptachlor epoxide	Ave	98018452	92536545		9.56	10.1	-5.6	20.0
gamma-Chlordane	Ave	96162994	92675880		9.64	10.0	-3.6	20.0
alpha-Chlordane	Ave	90419143	90531334		10.1	10.1	0.1	20.0
Endosulfan I	Ave	91357573	87849258		9.74	10.1	-3.8	20.0
p,p'-DDE	Ave	101801952	100603542		19.9	20.1	-1.2	20.0
Dieldrin	Ave	107402915	104024654		19.4	20.0	-3.1	20.0
Endrin	Ave	92494302	90485342		19.6	20.0	-2.2	20.0
p,p'-DDD	Ave	74090559	74805465		20.2	20.0	1.0	20.0
Endosulfan II	Ave	84827236	82415367		19.4	20.0	-2.8	20.0
Endrin aldehyde	Ave	64663794	64506599		20.0	20.0	-0.2	20.0
p,p'-DDT	Ave	64653902	56111957		17.4	20.0	-13.2	20.0
Endosulfan sulfate	Ave	77591982	75119611		19.4	20.0	-3.2	20.0
Methoxychlor	Ave	35796912	33236136		93.5	101	-7.2	20.0
Endrin ketone	Ave	79443368	78488036		19.9	20.1	-1.2	20.0
Tetrachloro-m-xylene (Surr)	Ave	35066552	33039020		37.8	40.2	-5.8	20.0
DCB Decachlorobiphenyl (Surr)	Ave	61795527	58204802		37.8	40.2	-5.8	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/66 Calibration Date: 03/02/2023 15:51

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.066.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.99	2.96	3.02
gamma-BHC (Lindane)	3.33	3.31	3.37
beta-BHC	3.60	3.57	3.63
delta-BHC	3.84	3.82	3.88
Heptachlor	3.92	3.89	3.95
Aldrin	4.21	4.18	4.24
Heptachlor epoxide	4.58	4.55	4.61
gamma-Chlordane	4.84	4.81	4.87
alpha-Chlordane	4.88	4.85	4.91
Endosulfan I	4.91	4.88	4.94
p,p'-DDE	5.00	4.97	5.03
Dieldrin	5.11	5.08	5.14
Endrin	5.29	5.26	5.32
p,p'-DDD	5.39	5.36	5.42
Endosulfan II	5.48	5.45	5.51
Endrin aldehyde	5.56	5.54	5.60
p,p'-DDT	5.61	5.58	5.64
Endosulfan sulfate	5.77	5.74	5.80
Methoxychlor	5.92	5.89	5.95
Endrin ketone	6.07	6.04	6.10
Tetrachloro-m-xylene (Surr)	2.57	2.54	2.60
DCB Decachlorobiphenyl (Surr)	7.12	7.09	7.15

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.066.D
Lims ID: ccv mixa
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 15:51:00 ALS Bottle#: 0 Worklist Smp#: 66
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:30:48 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	2379777674H	40.2	37.7	
2	2.573	2.573	0.000	1326847044H	40.2	37.8	
						RPD = 0.43	
2 alpha-BHC							
1	2.458	2.457	0.001	886250325H	10.0	9.29	
2	2.992	2.993	-0.001	916010516H	10.0	9.75	
						RPD = 4.83	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	836003274H	10.1	9.36	
2	3.333	3.335	-0.002	915470175H	10.1	9.79	
						RPD = 4.55	
5 beta-BHC							
1	3.082	3.082	0.000	375469868H	10.1	9.09	
2	3.595	3.597	-0.002	326913665H	10.1	9.43	
						RPD = 3.67	
7 delta-BHC							
1	3.372	3.370	0.002	977224462H	10.0	9.45	
2	3.842	3.845	-0.003	1081557305H	10.0	10.0	
						RPD = 5.74	
8 Heptachlor							
1	3.198	3.197	0.001	735289238H	10.0	9.41	
2	3.917	3.918	-0.001	1006123551H	10.0	9.42	
						RPD = 0.04	
9 Aldrin							
1	3.507	3.505	0.002	891397988H	10.0	9.21	
2	4.210	4.212	-0.002	1080062271H	10.0	9.70	
						RPD = 5.16	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.012	4.010	0.002	879198062H	10.1	9.49	
2	4.582	4.583	-0.001	936932517H	10.1	9.56	
						RPD = 0.74	
13 trans-Chlordane							
1	4.213	4.213	0.000	886753912H	10.0	9.06	
2	4.840	4.842	-0.002	926758803H	10.0	9.64	
						RPD = 6.17	
14 cis-Chlordane							
1	4.297	4.295	0.002	913874697H	10.1	9.27	
2	4.880	4.882	-0.002	916629752H	10.1	10.1	
						RPD = 8.92	
15 Endosulfan I							
1	4.342	4.340	0.002	865053056H	10.1	9.34	
2	4.912	4.913	-0.001	889473740H	10.1	9.74	
						RPD = 4.16	
16 4,4'-DDE							
1	4.470	4.468	0.002	2073548864H	20.1	20.1	
2	4.995	4.997	-0.002	2024646282H	20.1	19.9	
						RPD = 0.99	
18 Dieldrin							
1	4.578	4.578	0.000	1984943275H	20.0	19.1	
2	5.112	5.113	-0.001	2080493079H	20.0	19.4	
						RPD = 1.26	
19 Endrin							
1	4.832	4.830	0.002	1877057213H	20.0	20.3	
2	5.288	5.290	-0.002	1809706833H	20.0	19.6	
						RPD = 3.51	
22 4,4'-DDD							
1	4.928	4.927	0.001	1721115595H	20.0	20.1	
2	5.385	5.387	-0.002	1496109309H	20.0	20.2	
						RPD = 0.34	
23 Endosulfan II							
1	5.038	5.038	0.000	1785046000H	20.0	19.5	
2	5.482	5.483	-0.001	1648307337H	20.0	19.4	
						RPD = 0.18	
25 Endrin aldehyde							
1	5.213	5.212	0.001	1507658735H	20.0	19.8	
2	5.563	5.565	-0.002	1290131985H	20.0	20.0	
						RPD = 0.70	
26 4,4'-DDT							
1	5.140	5.138	0.002	1233702007H	20.0	21.1	
2	5.612	5.613	-0.001	1122239147H	20.0	17.4	
						RPD = 19.34	
27 Endosulfan sulfate							
1	5.363	5.362	0.001	1743492775H	20.0	20.4	
2	5.768	5.768	0.000	1502392224H	20.0	19.4	
						RPD = 5.33	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	3392720952H	100.8	113.1	
2	5.922	5.922	0.000	3348540712H	100.8	93.5	
						RPD = 18.90	
29 Endrin ketone							
1	5.800	5.798	0.002	1825272934H	20.1	19.6	
2	6.072	6.073	-0.001	1579571716H	20.1	19.9	
						RPD = 1.44	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	3627433507H	40.2	38.8	
2	7.117	7.118	-0.001	2337504835H	40.2	37.8	
						RPD = 2.62	
S 32 Total DDTs							
1						21.1	
2						17.4	
						RPD = 19.34	
S 33 Endosulfan, Total							
1						28.8	
2						29.2	
						RPD = 1.24	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:30:49 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.066.D

Injection Date: 02-Mar-2023 15:51:00 Instrument ID: 9147

Lims ID: ccv mixa

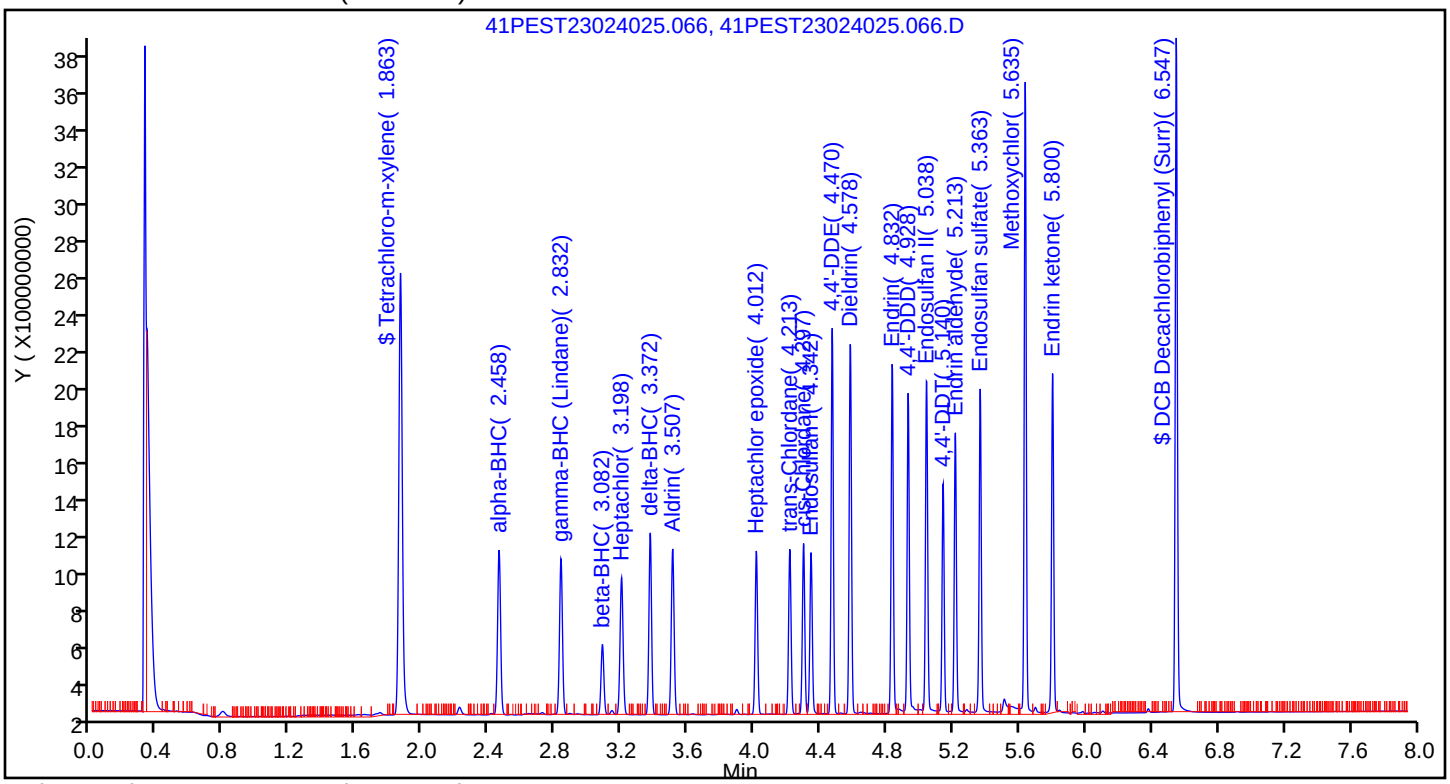
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 66

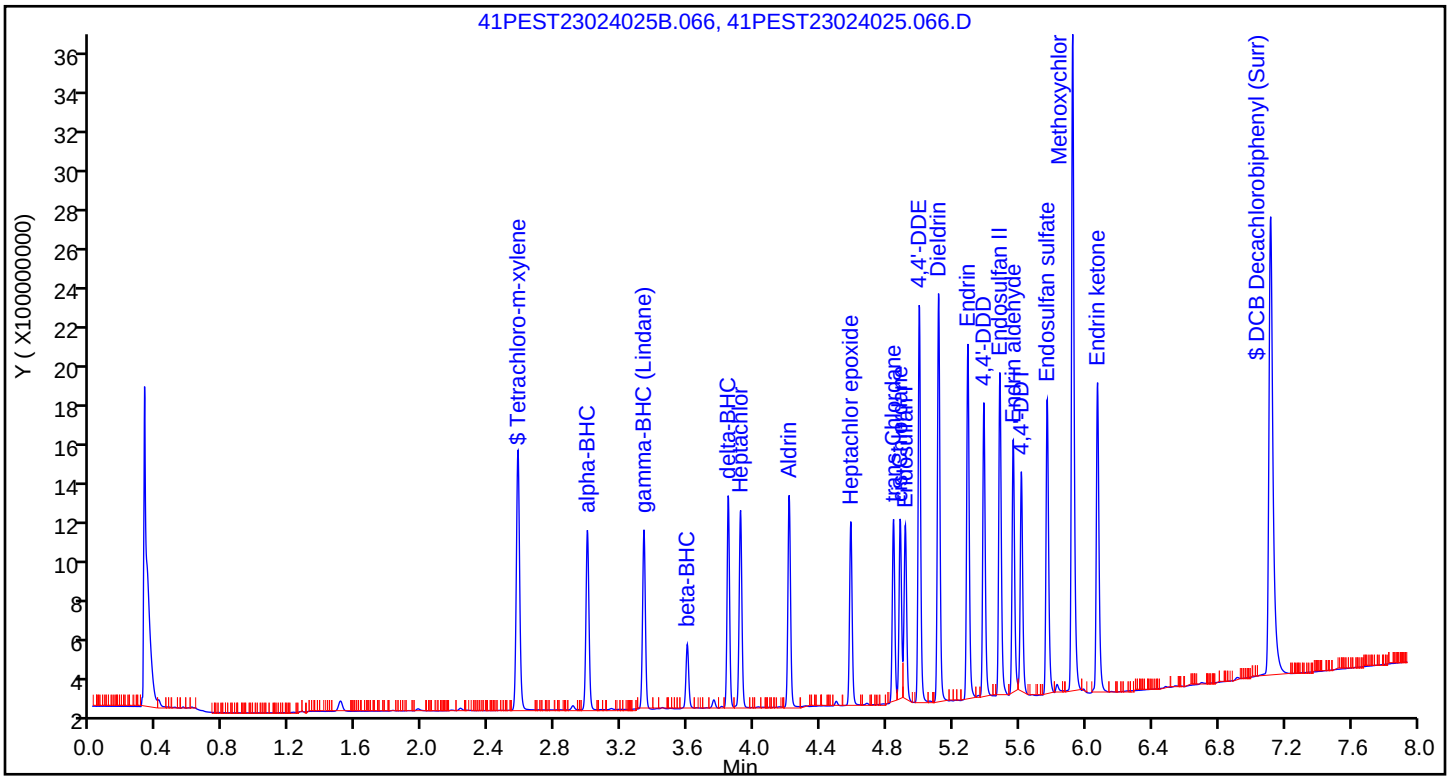
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/67 Calibration Date: 03/02/2023 16:05

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.067.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 5	Ave	870979	962015		552	500	10.5	20.0
Toxaphene Peak 1	Ave	1108485	1250954		564	500	12.9	20.0
Toxaphene Peak 2	Ave	1500516	1714624		571	500	14.3	20.0
Toxaphene Peak 3	Ave	1884364	2104233		558	500	11.7	20.0
Toxaphene Peak 4	Ave	1460165	1605366		550	500	9.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/67 Calibration Date: 03/02/2023 16:05

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.067.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 5	4.85	4.83	4.89
Toxaphene Peak 1	5.06	5.03	5.09
Toxaphene Peak 2	5.27	5.25	5.31
Toxaphene Peak 3	5.65	5.63	5.69
Toxaphene Peak 4	5.90	5.87	5.93

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.067.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 16:05:00 ALS Bottle#: 0 Worklist Smp#: 67
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:30:49 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.055	5.060	-0.005	625476846H	500.0	564.3	
1	5.272	5.277	-0.005	857312239H	500.0	571.3	
1	5.652	5.657	-0.005	1052116450H	500.0	558.3	
1	5.897	5.902	-0.005	802682900H	500.0	549.7	
1	4.852	4.857	-0.005	481007629H	500.0	552.3	
		Average of Peak Amounts =				559.2	
2	5.532	5.537	-0.005	600463091H	500.0	605.2	
2	5.710	5.715	-0.005	805253697H	500.0	567.7	
2	5.845	5.850	-0.005	665415095H	500.0	570.4	
2	6.092	6.097	-0.005	728426498H	500.0	592.7	
2	6.345	6.350	-0.005	516215943H	500.0	560.3	
		Average of Peak Amounts =				579.3	
						RPD = 3.53	

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:30:50 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.067.D

Injection Date: 02-Mar-2023 16:05:00 Instrument ID: 9147

Lims ID: ccv tox

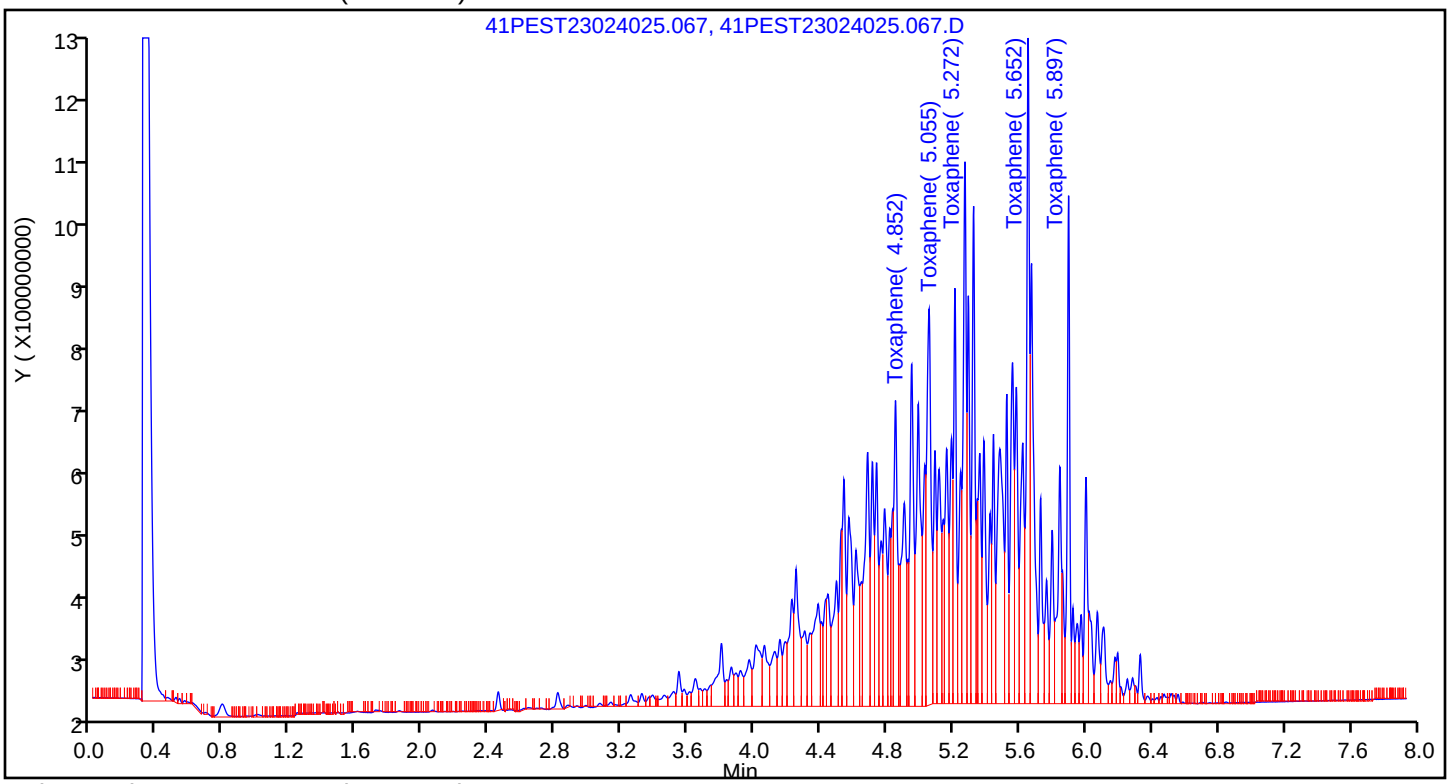
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 67

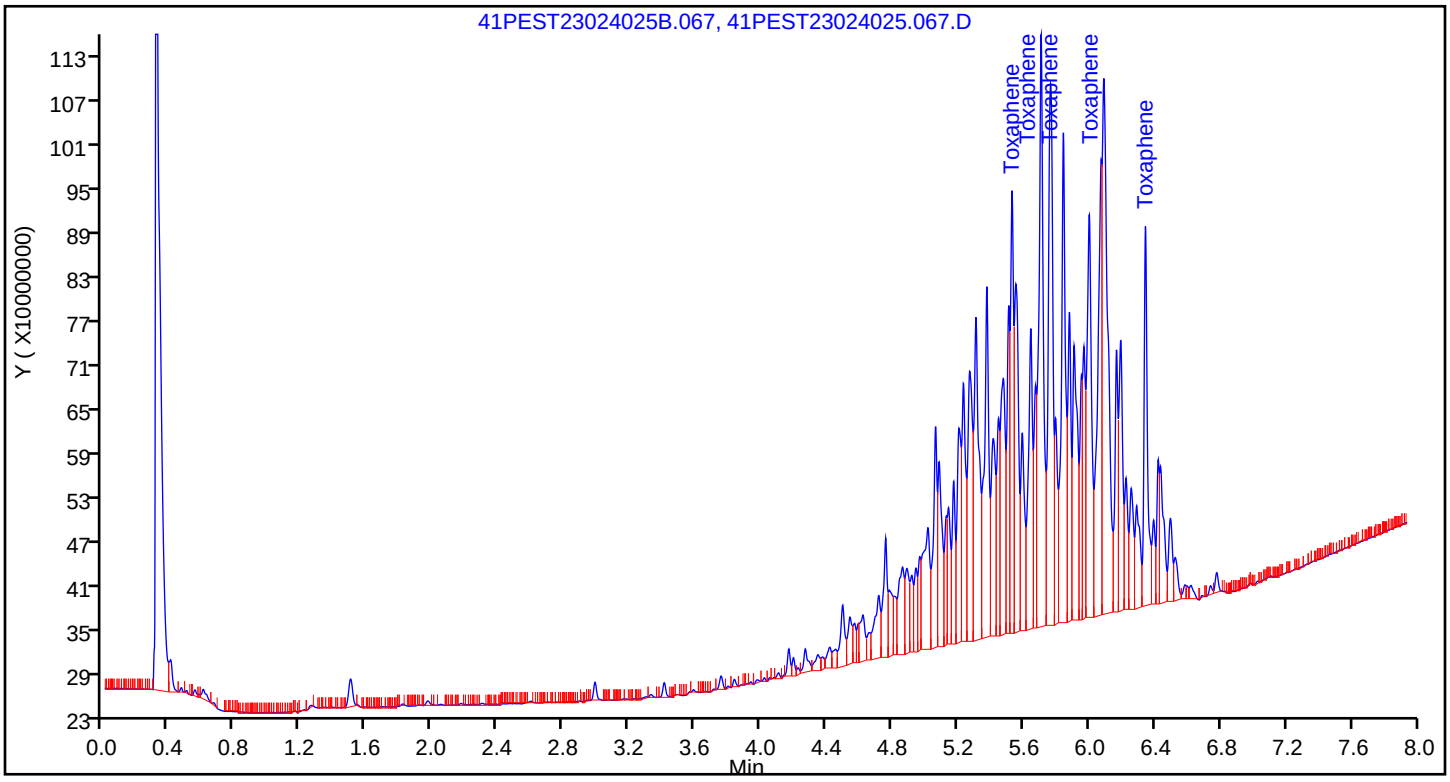
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/67 Calibration Date: 03/02/2023 16:05

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.067.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	992201	1200926		605	500	21.0*	20.0
Toxaphene Peak 2	Ave	1418450	1610507		568	500	13.5	20.0
Toxaphene Peak 3	Ave	1166664	1330830		570	500	14.1	20.0
Toxaphene Peak 4	Ave	1229009	1456853		593	500	18.5	20.0
Toxaphene Peak 5	Ave	921278	1032432		560	500	12.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/67 Calibration Date: 03/02/2023 16:05

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.067.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.53	5.51	5.57
Toxaphene Peak 2	5.71	5.69	5.75
Toxaphene Peak 3	5.85	5.82	5.88
Toxaphene Peak 4	6.09	6.07	6.13
Toxaphene Peak 5	6.35	6.32	6.38

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.067.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 16:05:00 ALS Bottle#: 0 Worklist Smp#: 67
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:30:49 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.055	5.060	-0.005	625476846H	500.0	564.3	
1	5.272	5.277	-0.005	857312239H	500.0	571.3	
1	5.652	5.657	-0.005	1052116450H	500.0	558.3	
1	5.897	5.902	-0.005	802682900H	500.0	549.7	
1	4.852	4.857	-0.005	481007629H	500.0	552.3	
		Average of Peak Amounts =				559.2	
2	5.532	5.537	-0.005	600463091H	500.0	605.2	
2	5.710	5.715	-0.005	805253697H	500.0	567.7	
2	5.845	5.850	-0.005	665415095H	500.0	570.4	
2	6.092	6.097	-0.005	728426498H	500.0	592.7	
2	6.345	6.350	-0.005	516215943H	500.0	560.3	
		Average of Peak Amounts =				579.3	
						RPD = 3.53	

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:30:50 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.067.D

Injection Date: 02-Mar-2023 16:05:00 Instrument ID: 9147

Lims ID: ccv tox

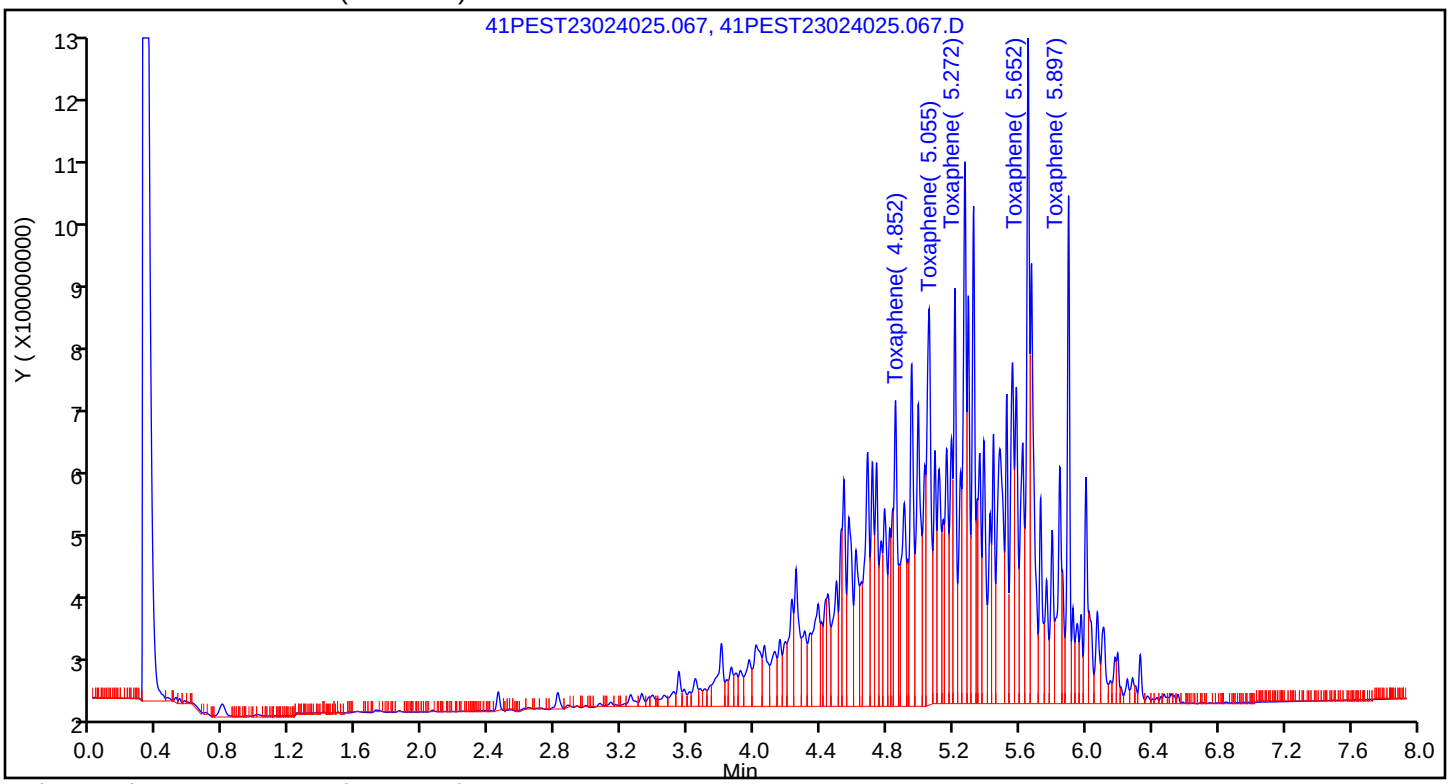
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 67

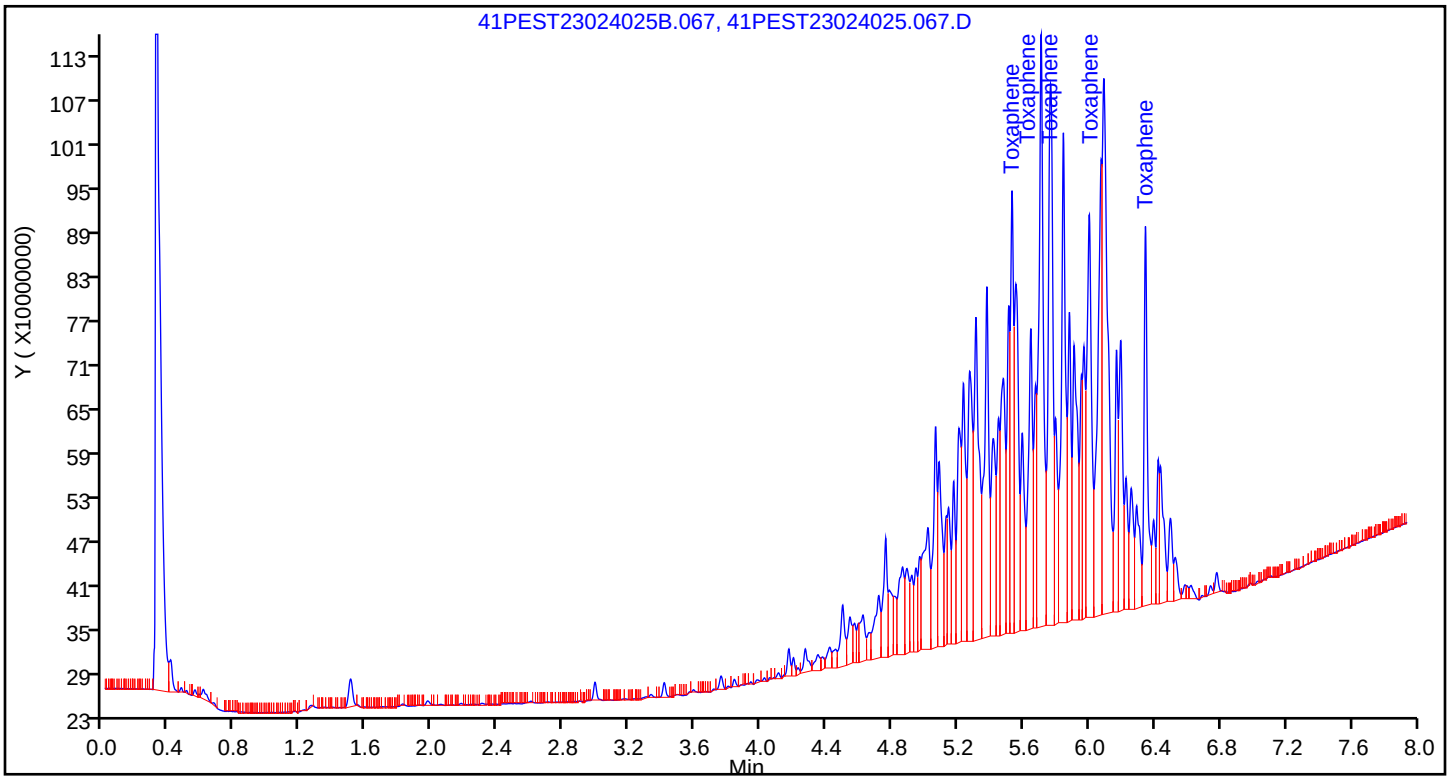
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/86 Calibration Date: 03/02/2023 20:43

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.086.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	95413059	85193146		8.93	10.0	-10.7	20.0
gamma-BHC (Lindane)	Ave	89325514	81986905		9.29	10.1	-8.2	20.0
beta-BHC	Ave	41291489	36295546		8.90	10.1	-12.1	20.0
Heptachlor	Ave	78126432	70604786		9.04	10.0	-9.6	20.0
delta-BHC	Ave	103447733	95419563		9.22	10.0	-7.8	20.0
Aldrin	Ave	96790056	87235184		9.01	10.0	-9.9	20.0
Heptachlor epoxide	Ave	92662726	84419897		9.22	10.1	-8.9	20.0
gamma-Chlordane	Ave	97872536	89319375		9.13	10.0	-8.7	20.0
alpha-Chlordane	Ave	98565577	87285474		8.97	10.1	-11.4	20.0
Endosulfan I	Ave	92619368	83500072		9.13	10.1	-9.8	20.0
p,p'-DDE	Ave	103232796	99234580		19.3	20.1	-3.9	20.0
Dieldrin	Ave	103768244	96767038		18.7	20.0	-6.7	20.0
Endrin	Ave	92628603	88479422		19.1	20.0	-4.5	20.0
p,p'-DDD	Ave	85525504	83979425		19.6	20.0	-1.8	20.0
Endosulfan II	Ave	91695920	84727199		18.5	20.0	-7.6	20.0
p,p'-DDT	Ave	58544207	61188283		20.9	20.0	4.5	20.0
Endrin aldehyde	Ave	76094833	72853792		19.1	20.0	-4.3	20.0
Endosulfan sulfate	Ave	85370113	82532255		19.3	20.0	-3.3	20.0
Methoxychlor	Ave	30005975	32277217		108	101	7.6	20.0
Endrin ketone	Ave	93127807	89115238		19.3	20.1	-4.3	20.0
Tetrachloro-m-xylene (Surr)	Ave	63166162	57081682		36.3	40.2	-9.6	20.0
DCB Decachlorobiphenyl (Surr)	Ave	93418458	88833752		38.2	40.2	-4.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/86 Calibration Date: 03/02/2023 20:43

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.086.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.46	2.43	2.49
gamma-BHC (Lindane)	2.83	2.80	2.86
beta-BHC	3.08	3.05	3.11
Heptachlor	3.20	3.17	3.23
delta-BHC	3.37	3.34	3.40
Aldrin	3.51	3.48	3.54
Heptachlor epoxide	4.01	3.98	4.04
gamma-Chlordane	4.21	4.18	4.24
alpha-Chlordane	4.30	4.27	4.33
Endosulfan I	4.34	4.31	4.37
p,p'-DDE	4.47	4.44	4.50
Dieldrin	4.58	4.55	4.61
Endrin	4.83	4.80	4.86
p,p'-DDD	4.93	4.90	4.96
Endosulfan II	5.04	5.01	5.07
p,p'-DDT	5.14	5.11	5.17
Endrin aldehyde	5.21	5.18	5.24
Endosulfan sulfate	5.36	5.33	5.39
Methoxychlor	5.64	5.60	5.66
Endrin ketone	5.80	5.77	5.83
Tetrachloro-m-xylene (Surr)	1.86	1.83	1.89
DCB Decachlorobiphenyl (Surr)	6.55	6.52	6.58

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.086.D
Lims ID: ccv mixa
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 20:43:00 ALS Bottle#: 0 Worklist Smp#: 86
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:32:20 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	2292400351H	40.2	36.3	
2	2.575	2.573	0.002	1294862509H	40.2	36.9	
						RPD = 1.73	
2 alpha-BHC							
1	2.458	2.457	0.001	851931457H	10.0	8.93	
2	2.995	2.993	0.002	857057384H	10.0	9.12	
						RPD = 2.13	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	830117417H	10.1	9.29	
2	3.337	3.335	0.002	870290360H	10.1	9.31	
						RPD = 0.19	
5 beta-BHC							
1	3.082	3.082	0.000	367492403H	10.1	8.90	
2	3.598	3.597	0.001	316681430H	10.1	9.14	
						RPD = 2.63	
7 delta-BHC							
1	3.370	3.370	0.000	954195625H	10.0	9.22	
2	3.845	3.845	0.000	1022145932H	10.0	9.46	
						RPD = 2.48	
8 Heptachlor							
1	3.197	3.197	0.000	706047864H	10.0	9.04	
2	3.918	3.918	0.000	972781993H	10.0	9.10	
						RPD = 0.73	
9 Aldrin							
1	3.507	3.505	0.002	872351842H	10.0	9.01	
2	4.213	4.212	0.001	1040262135H	10.0	9.34	
						RPD = 3.57	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.012	4.010	0.002	854751453H	10.1	9.22	
2	4.585	4.583	0.002	916961632H	10.1	9.35	
						RPD = 1.41	
13 trans-Chlordane							
1	4.213	4.213	0.000	893193748H	10.0	9.13	
2	4.843	4.842	0.001	921473045H	10.0	9.58	
						RPD = 4.88	
14 cis-Chlordane							
1	4.297	4.295	0.002	883765429H	10.1	8.97	
2	4.883	4.882	0.001	899554200H	10.1	9.95	
						RPD = 10.39	
15 Endosulfan I							
1	4.342	4.340	0.002	845438230H	10.1	9.13	
2	4.913	4.913	0.000	895163935H	10.1	9.80	
						RPD = 7.08	
16 4,4'-DDE							
1	4.470	4.468	0.002	1997095913H	20.1	19.3	
2	4.998	4.997	0.001	1981868518H	20.1	19.5	
						RPD = 0.63	
18 Dieldrin							
1	4.578	4.578	0.000	1935340755H	20.0	18.7	
2	5.115	5.113	0.002	2079359210H	20.0	19.4	
						RPD = 3.73	
19 Endrin							
1	4.832	4.830	0.002	1769588436H	20.0	19.1	
2	5.292	5.290	0.002	1771544332H	20.0	19.2	
						RPD = 0.26	
22 4,4'-DDD							
1	4.928	4.927	0.001	1679588504H	20.0	19.6	
2	5.388	5.387	0.001	1477311443H	20.0	19.9	
						RPD = 1.52	
23 Endosulfan II							
1	5.038	5.038	0.000	1694543974H	20.0	18.5	
2	5.485	5.483	0.002	1638708927H	20.0	19.3	
						RPD = 4.43	
25 Endrin aldehyde							
1	5.212	5.212	0.000	1457075841H	20.0	19.1	
2	5.567	5.565	0.002	1226440111H	20.0	19.0	
						RPD = 0.95	
26 4,4'-DDT							
1	5.138	5.138	0.000	1223765652H	20.0	20.9	
2	5.615	5.613	0.002	1060367236H	20.0	16.4	
						RPD = 24.14	
27 Endosulfan sulfate							
1	5.362	5.362	0.000	1650645107H	20.0	19.3	
2	5.772	5.768	0.004	1427172547H	20.0	18.4	
						RPD = 4.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	3251929652H	100.8	108.4	
2	5.923	5.922	0.001	3130298479H	100.8	87.4	
						RPD = 21.38	
29 Endrin ketone							
1	5.800	5.798	0.002	1793444170H	20.1	19.3	
2	6.075	6.073	0.002	1512084509H	20.1	19.0	
						RPD = 1.17	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	3567563463H	40.2	38.2	
2	7.118	7.118	0.000	2291396720H	40.2	37.1	
						RPD = 2.95	
S 32 Total DDTs							
1						20.9	
2						16.4	
						RPD = 24.14	
S 33 Endosulfan, Total							
1						27.6	
2						29.1	
						RPD = 5.32	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:32:21 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.086.D

Injection Date: 02-Mar-2023 20:43:00 Instrument ID: 9147

Lims ID: ccv mixa

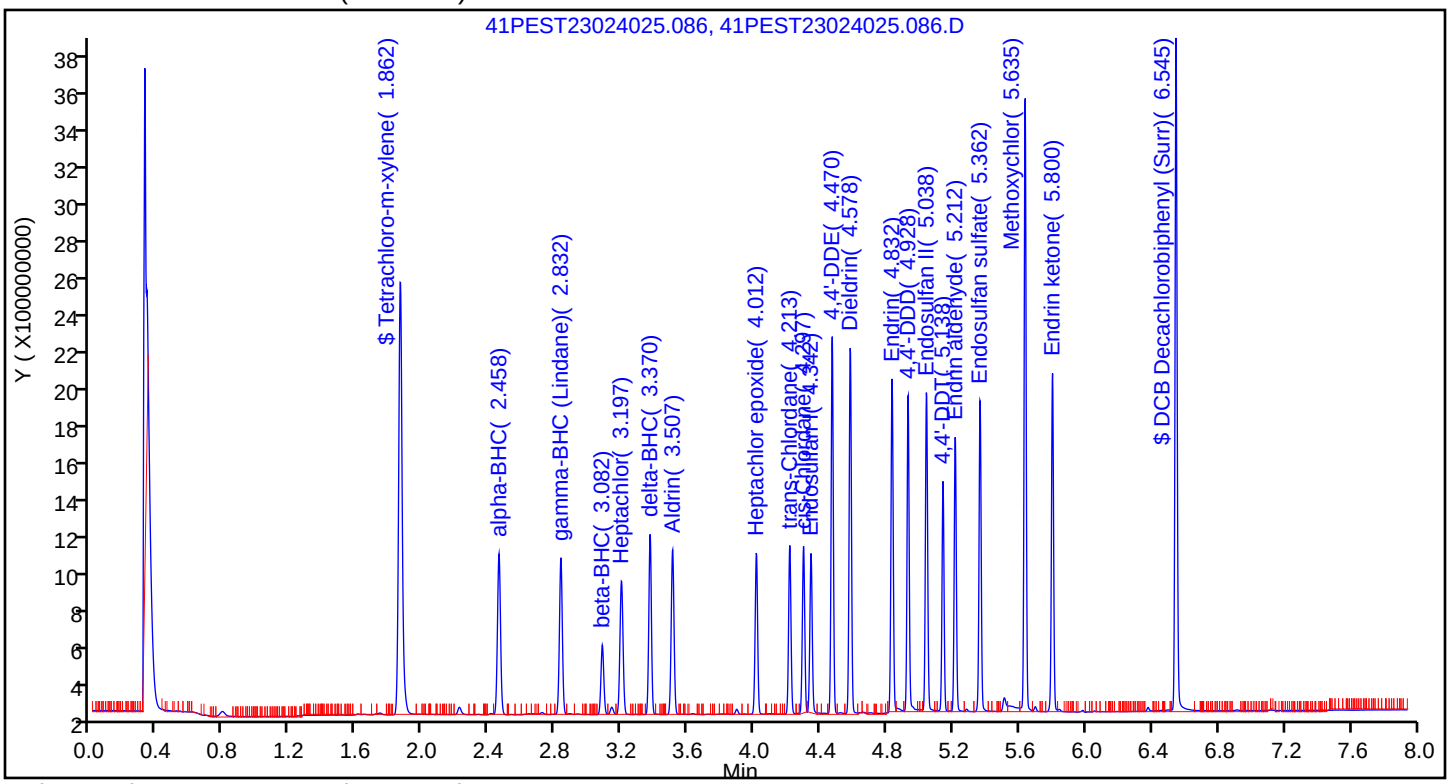
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 86

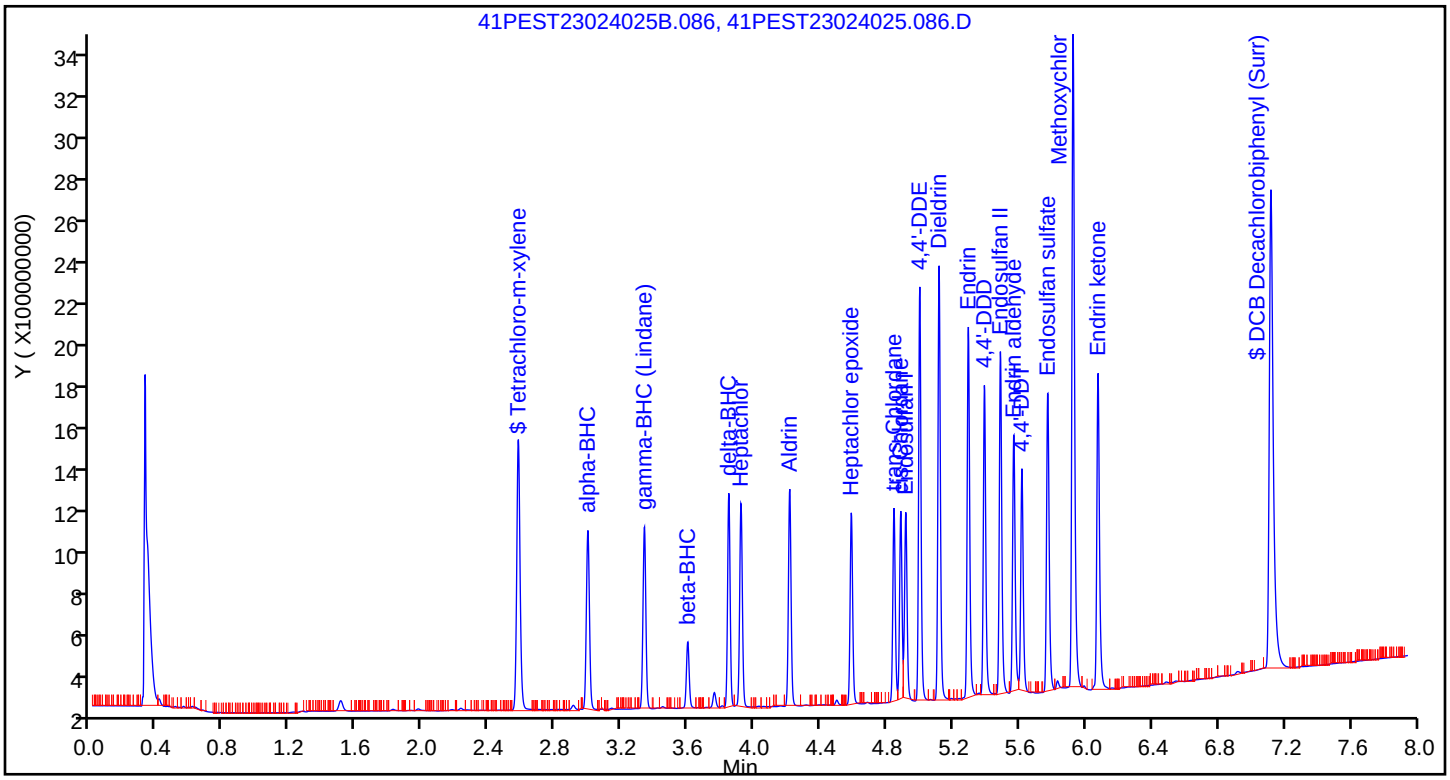
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/86 Calibration Date: 03/02/2023 20:43

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.086.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	93968674	85705738		9.12	10.0	-8.8	20.0
gamma-BHC (Lindane)	Ave	93468654	85954603		9.31	10.1	-8.0	20.0
beta-BHC	Ave	34657421	31277178		9.14	10.1	-9.8	20.0
delta-BHC	Ave	108099750	102214593		9.46	10.0	-5.4	20.0
Heptachlor	Ave	106861330	97278199		9.10	10.0	-9.0	20.0
Aldrin	Ave	111376791	104026214		9.34	10.0	-6.6	20.0
Heptachlor epoxide	Ave	98018452	90564112		9.35	10.1	-7.6	20.0
gamma-Chlordane	Ave	96162994	92147305		9.58	10.0	-4.2	20.0
alpha-Chlordane	Ave	90419143	88844859		9.95	10.1	-1.7	20.0
Endosulfan I	Ave	91357573	88411253		9.80	10.1	-3.2	20.0
p,p'-DDE	Ave	101801952	98477939		19.5	20.1	-3.3	20.0
Dieldrin	Ave	107402915	103967961		19.4	20.0	-3.2	20.0
Endrin	Ave	92494302	88577217		19.2	20.0	-4.2	20.0
p,p'-DDD	Ave	74090559	73865572		19.9	20.0	-0.3	20.0
Endosulfan II	Ave	84827236	81935446		19.3	20.0	-3.4	20.0
Endrin aldehyde	Ave	64663794	61322006		19.0	20.0	-5.2	20.0
p,p'-DDT	Ave	64653902	53018362		16.4	20.0	-18.0	20.0
Endosulfan sulfate	Ave	77591982	71358627		18.4	20.0	-8.0	20.0
Methoxychlor	Ave	35796912	31069960		87.4	101	-13.2	20.0
Endrin ketone	Ave	79443368	75134634		19.0	20.1	-5.4	20.0
Tetrachloro-m-xylene (Surr)	Ave	35066552	32242592		36.9	40.2	-8.1	20.0
DCB Decachlorobiphenyl (Surr)	Ave	61795527	57056691		37.1	40.2	-7.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/86 Calibration Date: 03/02/2023 20:43

Instrument ID: 9147 Calib Start Date: 02/23/2023 07:36

GC Column: MR2 ID: Calib End Date: 02/23/2023 08:49

Lab File ID: 41PEST23024025.086.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	3.00	2.96	3.02
gamma-BHC (Lindane)	3.34	3.31	3.37
beta-BHC	3.60	3.57	3.63
delta-BHC	3.85	3.82	3.88
Heptachlor	3.92	3.89	3.95
Aldrin	4.21	4.18	4.24
Heptachlor epoxide	4.59	4.55	4.61
gamma-Chlordane	4.84	4.81	4.87
alpha-Chlordane	4.88	4.85	4.91
Endosulfan I	4.91	4.88	4.94
p,p'-DDE	5.00	4.97	5.03
Dieldrin	5.12	5.08	5.14
Endrin	5.29	5.26	5.32
p,p'-DDD	5.39	5.36	5.42
Endosulfan II	5.49	5.45	5.51
Endrin aldehyde	5.57	5.54	5.60
p,p'-DDT	5.62	5.58	5.64
Endosulfan sulfate	5.77	5.74	5.80
Methoxychlor	5.92	5.89	5.95
Endrin ketone	6.08	6.04	6.10
Tetrachloro-m-xylene (Surr)	2.58	2.54	2.60
DCB Decachlorobiphenyl (Surr)	7.12	7.09	7.15

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.086.D
Lims ID: ccv mixa
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 20:43:00 ALS Bottle#: 0 Worklist Smp#: 86
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv a
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:32:20 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	2292400351H	40.2	36.3	
2	2.575	2.573	0.002	1294862509H	40.2	36.9	
						RPD = 1.73	
2 alpha-BHC							
1	2.458	2.457	0.001	851931457H	10.0	8.93	
2	2.995	2.993	0.002	857057384H	10.0	9.12	
						RPD = 2.13	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	830117417H	10.1	9.29	
2	3.337	3.335	0.002	870290360H	10.1	9.31	
						RPD = 0.19	
5 beta-BHC							
1	3.082	3.082	0.000	367492403H	10.1	8.90	
2	3.598	3.597	0.001	316681430H	10.1	9.14	
						RPD = 2.63	
7 delta-BHC							
1	3.370	3.370	0.000	954195625H	10.0	9.22	
2	3.845	3.845	0.000	1022145932H	10.0	9.46	
						RPD = 2.48	
8 Heptachlor							
1	3.197	3.197	0.000	706047864H	10.0	9.04	
2	3.918	3.918	0.000	972781993H	10.0	9.10	
						RPD = 0.73	
9 Aldrin							
1	3.507	3.505	0.002	872351842H	10.0	9.01	
2	4.213	4.212	0.001	1040262135H	10.0	9.34	
						RPD = 3.57	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.012	4.010	0.002	854751453H	10.1	9.22	
2	4.585	4.583	0.002	916961632H	10.1	9.35	
						RPD = 1.41	
13 trans-Chlordane							
1	4.213	4.213	0.000	893193748H	10.0	9.13	
2	4.843	4.842	0.001	921473045H	10.0	9.58	
						RPD = 4.88	
14 cis-Chlordane							
1	4.297	4.295	0.002	883765429H	10.1	8.97	
2	4.883	4.882	0.001	899554200H	10.1	9.95	
						RPD = 10.39	
15 Endosulfan I							
1	4.342	4.340	0.002	845438230H	10.1	9.13	
2	4.913	4.913	0.000	895163935H	10.1	9.80	
						RPD = 7.08	
16 4,4'-DDE							
1	4.470	4.468	0.002	1997095913H	20.1	19.3	
2	4.998	4.997	0.001	1981868518H	20.1	19.5	
						RPD = 0.63	
18 Dieldrin							
1	4.578	4.578	0.000	1935340755H	20.0	18.7	
2	5.115	5.113	0.002	2079359210H	20.0	19.4	
						RPD = 3.73	
19 Endrin							
1	4.832	4.830	0.002	1769588436H	20.0	19.1	
2	5.292	5.290	0.002	1771544332H	20.0	19.2	
						RPD = 0.26	
22 4,4'-DDD							
1	4.928	4.927	0.001	1679588504H	20.0	19.6	
2	5.388	5.387	0.001	1477311443H	20.0	19.9	
						RPD = 1.52	
23 Endosulfan II							
1	5.038	5.038	0.000	1694543974H	20.0	18.5	
2	5.485	5.483	0.002	1638708927H	20.0	19.3	
						RPD = 4.43	
25 Endrin aldehyde							
1	5.212	5.212	0.000	1457075841H	20.0	19.1	
2	5.567	5.565	0.002	1226440111H	20.0	19.0	
						RPD = 0.95	
26 4,4'-DDT							
1	5.138	5.138	0.000	1223765652H	20.0	20.9	
2	5.615	5.613	0.002	1060367236H	20.0	16.4	
						RPD = 24.14	
27 Endosulfan sulfate							
1	5.362	5.362	0.000	1650645107H	20.0	19.3	
2	5.772	5.768	0.004	1427172547H	20.0	18.4	
						RPD = 4.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	3251929652H	100.8	108.4	
2	5.923	5.922	0.001	3130298479H	100.8	87.4	
						RPD = 21.38	
29 Endrin ketone							
1	5.800	5.798	0.002	1793444170H	20.1	19.3	
2	6.075	6.073	0.002	1512084509H	20.1	19.0	
						RPD = 1.17	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	3567563463H	40.2	38.2	
2	7.118	7.118	0.000	2291396720H	40.2	37.1	
						RPD = 2.95	
S 32 Total DDTs							
1						20.9	
2						16.4	
						RPD = 24.14	
S 33 Endosulfan, Total							
1						27.6	
2						29.1	
						RPD = 5.32	

Reagents:

GCS_MIXA4_00013 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:32:21 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.086.D

Injection Date: 02-Mar-2023 20:43:00 Instrument ID: 9147

Lims ID: ccv mixa

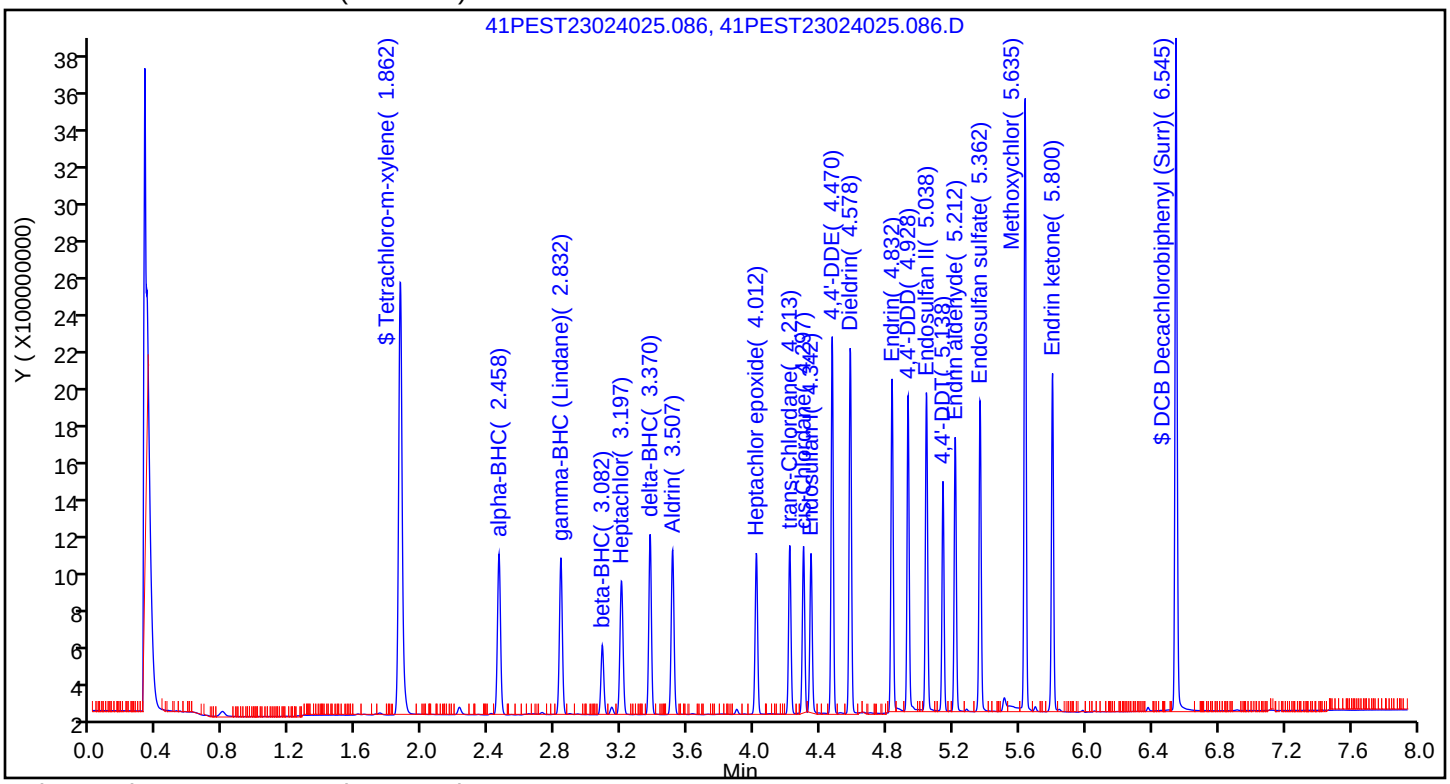
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 86

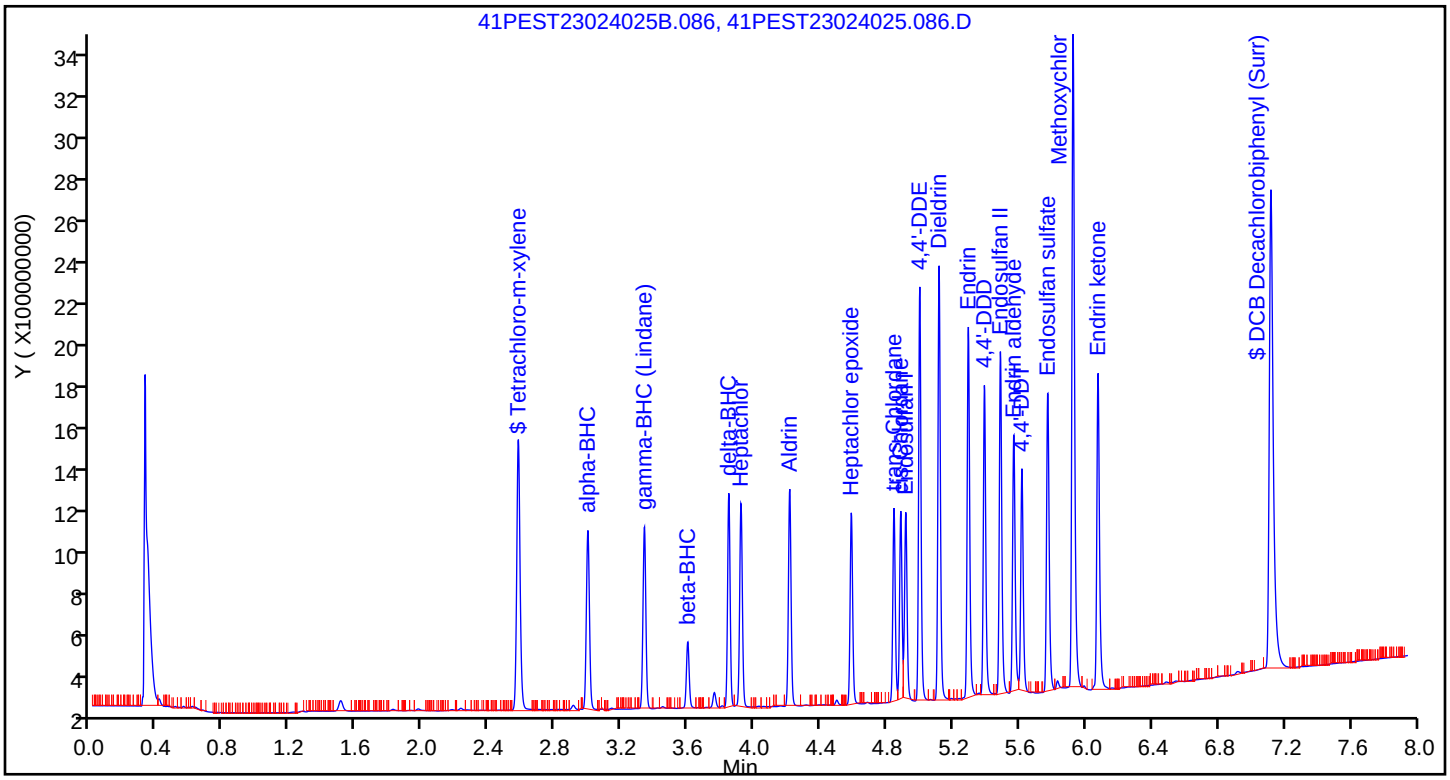
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/87 Calibration Date: 03/02/2023 20:57

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.087.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 5	Ave	870979	882081		506	500	1.3	20.0
Toxaphene Peak 1	Ave	1108485	1136664		513	500	2.5	20.0
Toxaphene Peak 2	Ave	1500516	1589172		530	500	5.9	20.0
Toxaphene Peak 3	Ave	1884364	1896378		503	500	0.6	20.0
Toxaphene Peak 4	Ave	1460165	1462483		501	500	0.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/87 Calibration Date: 03/02/2023 20:57

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.087.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 5	4.86	4.83	4.89
Toxaphene Peak 1	5.06	5.03	5.09
Toxaphene Peak 2	5.28	5.25	5.31
Toxaphene Peak 3	5.66	5.63	5.69
Toxaphene Peak 4	5.90	5.87	5.93

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.087.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 20:57:00 ALS Bottle#: 0 Worklist Smp#: 87
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:32:22 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:31:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.058	5.060	-0.002	568332112H	500.0	512.7	
1	5.275	5.277	-0.002	794586021H	500.0	529.5	
1	5.657	5.657	0.000	948188768H	500.0	503.2	
1	5.900	5.902	-0.002	731241355H	500.0	500.8	
1	4.855	4.857	-0.002	441040510H	500.0	506.4	
		Average of Peak Amounts =				510.5	
2	5.532	5.537	-0.005	557191873H	500.0	561.6	M
2	5.710	5.715	-0.005	753172962H	500.0	531.0	M
2	5.845	5.850	-0.005	622803094H	500.0	533.8	M
2	6.092	6.097	-0.005	682058699H	500.0	555.0	M
2	6.345	6.350	-0.005	484753091H	500.0	526.2	M
		Average of Peak Amounts =				541.5	
						RPD = 5.89	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:32:22 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.087.D

Injection Date: 02-Mar-2023 20:57:00 Instrument ID: 9147

Lims ID: ccv tox

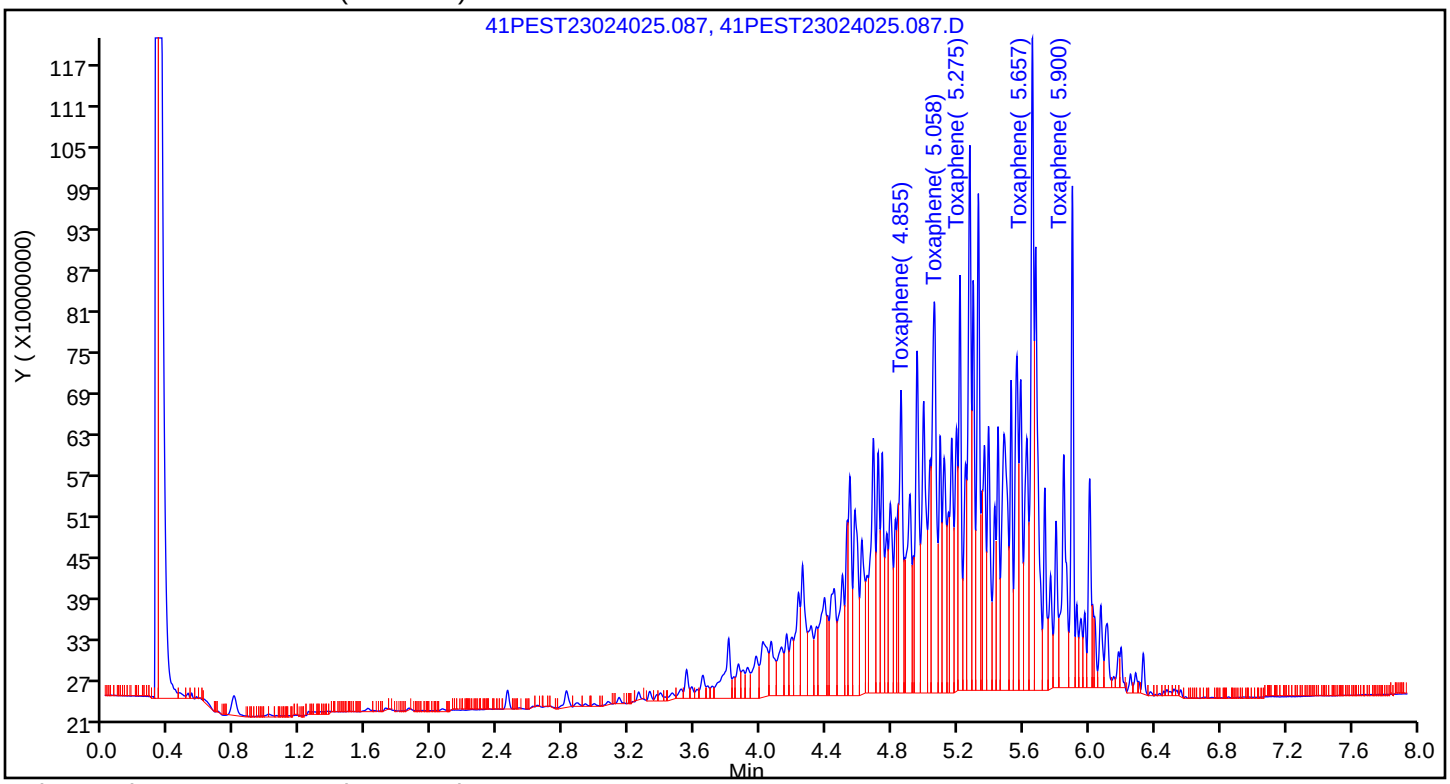
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 87

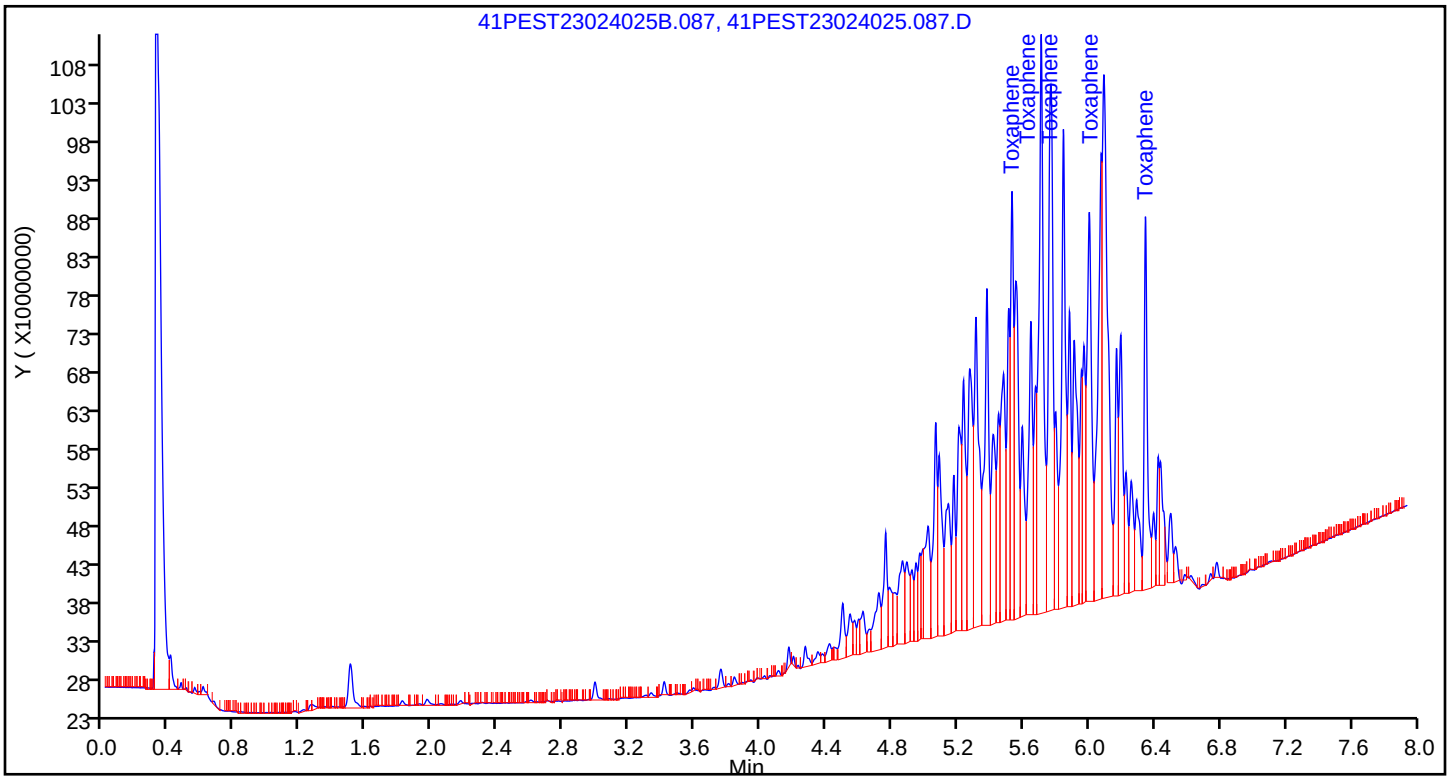
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/87 Calibration Date: 03/02/2023 20:57

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.087.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	992201	1114384		562	500	12.3	20.0
Toxaphene Peak 2	Ave	1418450	1506346		531	500	6.2	20.0
Toxaphene Peak 3	Ave	1166664	1245606		534	500	6.8	20.0
Toxaphene Peak 4	Ave	1229009	1364117		555	500	11.0	20.0
Toxaphene Peak 5	Ave	921278	969506		526	500	5.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Lab Sample ID: CCV 410-349358/87 Calibration Date: 03/02/2023 20:57

Instrument ID: 9147 Calib Start Date: 01/25/2023 05:14

GC Column: MR2 ID: Calib End Date: 01/25/2023 06:28

Lab File ID: 41PEST23024025.087.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.53	5.51	5.57
Toxaphene Peak 2	5.71	5.69	5.75
Toxaphene Peak 3	5.85	5.82	5.88
Toxaphene Peak 4	6.09	6.07	6.13
Toxaphene Peak 5	6.35	6.32	6.38

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.087.D
Lims ID: ccv tox
Client ID:
Sample Type: CCV
Inject. Date: 02-Mar-2023 20:57:00 ALS Bottle#: 0 Worklist Smp#: 87
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:32:22 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:31:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.058	5.060	-0.002	568332112H	500.0	512.7	
1	5.275	5.277	-0.002	794586021H	500.0	529.5	
1	5.657	5.657	0.000	948188768H	500.0	503.2	
1	5.900	5.902	-0.002	731241355H	500.0	500.8	
1	4.855	4.857	-0.002	441040510H	500.0	506.4	
		Average of Peak Amounts =				510.5	
2	5.532	5.537	-0.005	557191873H	500.0	561.6	M
2	5.710	5.715	-0.005	753172962H	500.0	531.0	M
2	5.845	5.850	-0.005	622803094H	500.0	533.8	M
2	6.092	6.097	-0.005	682058699H	500.0	555.0	M
2	6.345	6.350	-0.005	484753091H	500.0	526.2	M
		Average of Peak Amounts =				541.5	
						RPD = 5.89	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX4_00011 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:32:22 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.087.D

Injection Date: 02-Mar-2023 20:57:00 Instrument ID: 9147

Lims ID: ccv tox

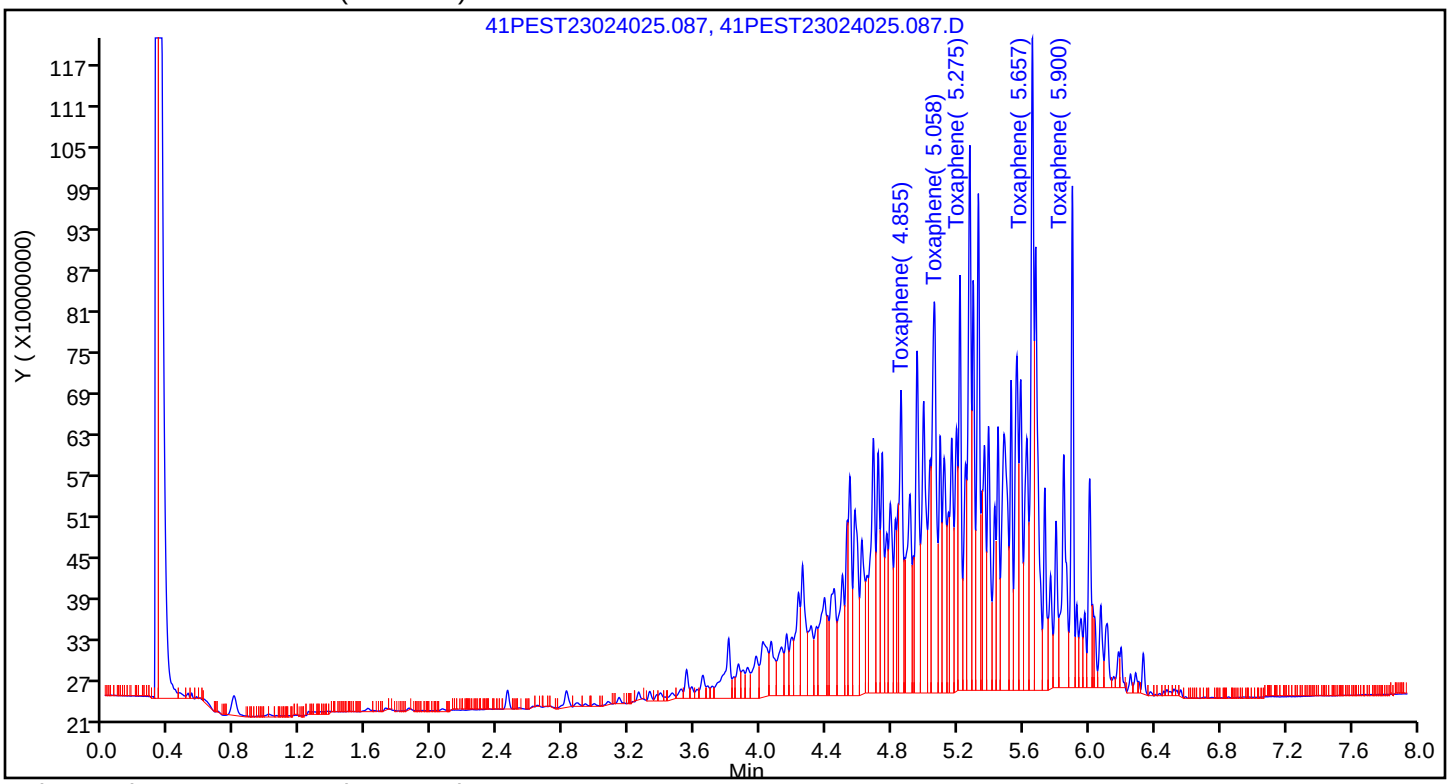
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 87

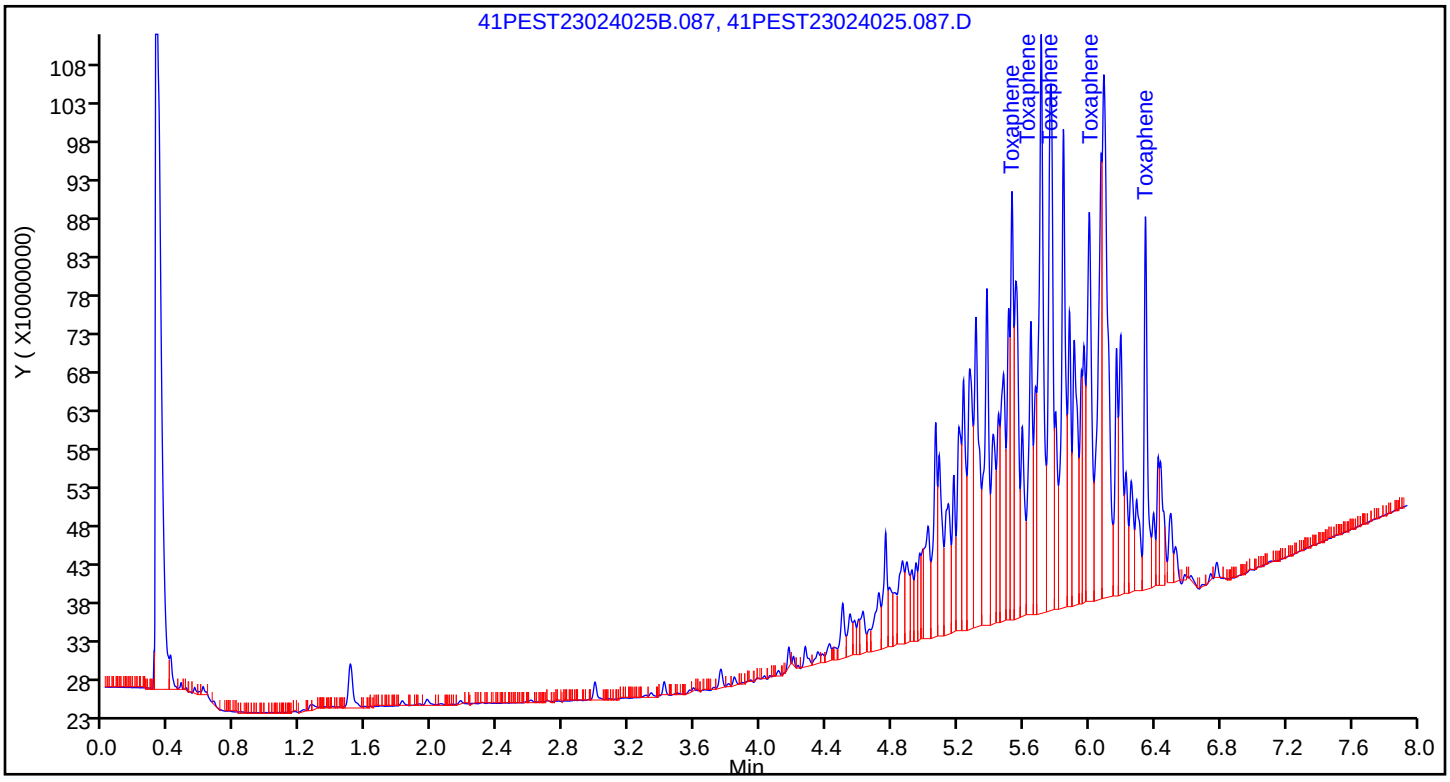
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Report Date: 03-Mar-2023 06:32:23 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.087.D

Injection Date: 02-Mar-2023 20:57:00 Instrument ID: 9147

Lims ID: ccv tox

Client ID:

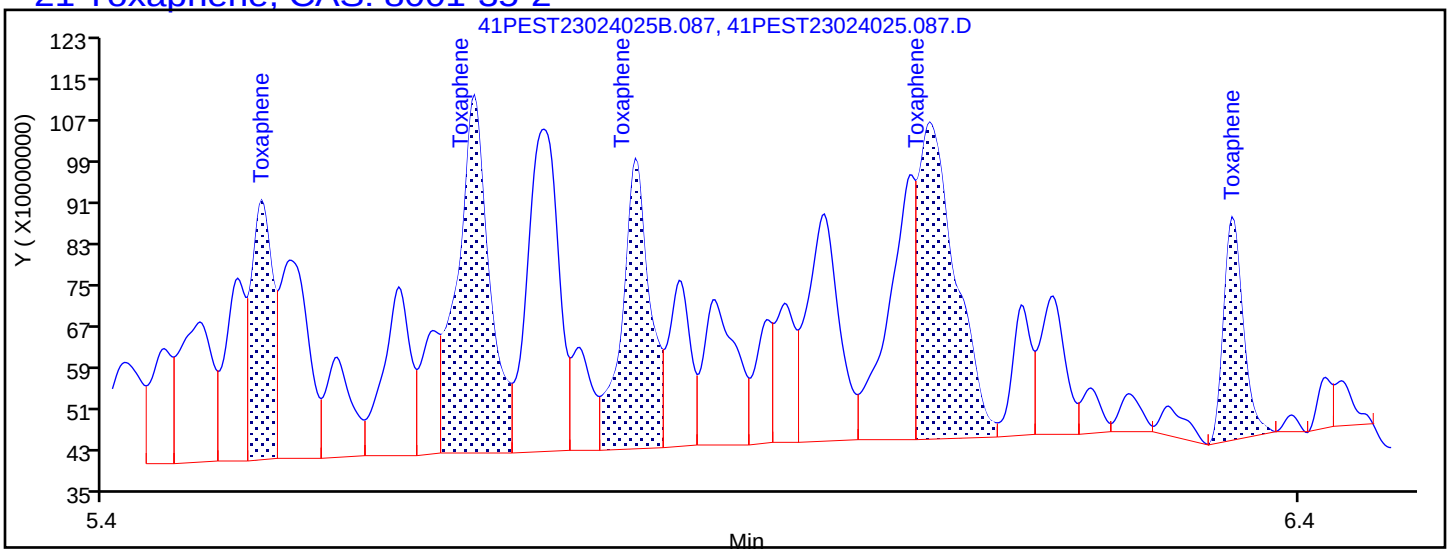
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 87

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

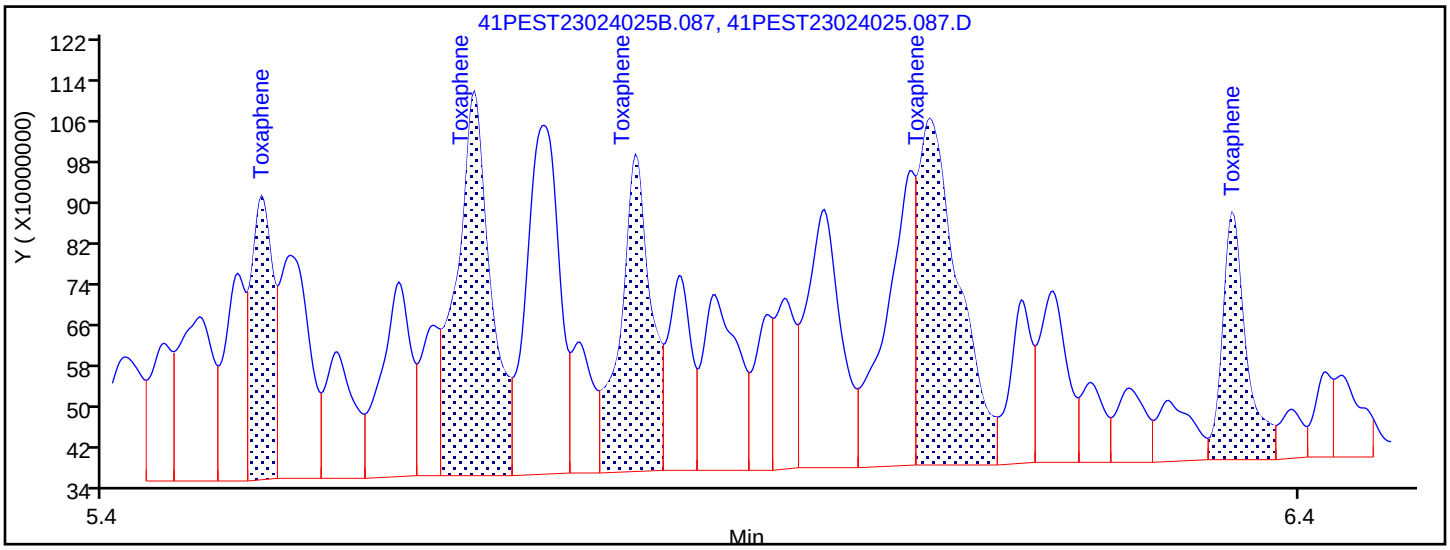
Column: Phenomenex MR2 (0.00 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.532	Response = 506420055
5.710	Response = 697861085
5.845	Response = 564054350
6.092	Response = 617030248
6.345	Response = 434481170



Manual Integration Results

5.532	Response = 557191873	M
5.710	Response = 753172962	M
5.845	Response = 622803094	M
6.092	Response = 682058699	M
6.345	Response = 484753091	M

Reviewer: UAMZ, 03-Mar-2023 06:31:25

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-348994/1-A

Matrix: Water Lab File ID: 41PEST23024025.012.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 250(mL) Date Analyzed: 03/02/2023 02:38

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 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
319-85-7	beta-BHC	ND		0.030	0.011
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
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

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	46		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	66		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.012.D
Lims ID: MB 410-348994/1-A
Client ID:
Sample Type: MB
Inject. Date: 02-Mar-2023 02:38:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-348994/1-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 08:43:47 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 08:43:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	629466235H	15.1	9.97	
2	2.577	2.573	0.004	331937585H	15.1	9.47	
						RPD = 5.14	
2 alpha-BHC							
1	2.465	2.457	0.008	248301H		0.002602	
2	3.017	2.993	0.024	286399H		0.003048	
						RPD = 15.77	
3 Hexachlorobenzene							
1	2.377	2.367	0.010	744029H		0.009061	
2	3.080	3.083	-0.003	468938H		0.004739	
						RPD = 62.65	
4 gamma-BHC (Lindane)							
1	2.840	2.830	0.010	1441061H		0.0161	
2	3.333	3.335	-0.002	486239H		0.005202	
						RPD = 102.47	
5 beta-BHC							
1	3.072	3.082	-0.010	1367028H		0.0331	
2	3.580	3.597	-0.017	3586753H		0.1035	
						RPD = 103.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.392	3.370	0.022	265448744H		2.57	
2	3.820	3.845	-0.025	164856804H		1.53	
						RPD = 50.89	
8 Heptachlor							
1	3.218	3.197	0.021	58262046H		0.7457	
2	3.925	3.918	0.007	84729847H		0.7929	
						RPD = 6.13	
9 Aldrin							M
1	3.513	3.505	0.008	6342804H		0.0655	M
2	4.195	4.212	-0.017	14747975H		0.1324	
						RPD = 67.58	
10 Isobenzan							
1	3.615	3.618	-0.003	21974301H		0.3451	
2	4.320	4.320	0.000	405988H		0.005351	
						RPD = 193.89	
11 Heptachlor epoxide							
1	4.008	4.010	-0.002	1136832H		0.0123	
2	4.557	4.583	-0.026	800948321H		8.17	
						RPD = 199.40	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.205	4.213	-0.008	729106395H		7.45	
2	4.858	4.842	0.016	5290725H		0.0550	
						RPD = 197.07	
14 cis-Chlordane							
1	4.303	4.295	0.008	6532566H		0.0663	
2	4.893	4.882	0.011	13617887H		0.1506	
						RPD = 77.77	
15 Endosulfan I							
1	4.333	4.340	-0.007	327028H		0.003531	
2	4.918	4.913	0.005	438019H		0.004795	
						RPD = 30.36	
16 4,4'-DDE							
1	4.473	4.468	0.005	2687124H		0.0260	
2	4.995	4.997	-0.002	2373799H		0.0233	
						RPD = 10.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.630	4.637	-0.007	3352208H		0.0649	
2	5.075	5.072	0.003	2750305H		0.0610	
						RPD = 6.13	
18 Dieldrin							
1	4.568	4.578	-0.010	9891667H		0.0953	
2	5.112	5.113	-0.001	619985H		0.005773	
						RPD = 177.16	
19 Endrin							
1	4.830	4.830	0.000	2700994H		0.0292	
2	5.287	5.290	-0.003	7170551H		0.0775	
						RPD = 90.67	
20 2,4'-DDT							
1	4.853	4.858	-0.005	3409701H		0.0727	
2	5.317	5.308	0.009	565469H		0.0111	
						RPD = 146.85	
22 4,4'-DDD							
1	4.922	4.927	-0.005	1379677H		0.0161	
2	5.385	5.387	-0.002	7144266H		0.0964	
						RPD = 142.67	
23 Endosulfan II							
1	5.043	5.038	0.005	5849343H		0.0638	
2	5.465	5.483	-0.018	15032333H		0.1772	
						RPD = 94.12	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1	4.943	4.942	0.001	26152020H		0.6507	
2	5.548	5.542	0.006	10236552H		0.2886	
						RPD = 77.10	
25 Endrin aldehyde							
1	5.223	5.212	0.011	8883232H		0.1167	
2	5.582	5.565	0.017	98109H		0.001517	
						RPD = 194.87	
26 4,4'-DDT							
1	5.133	5.138	-0.005	16210288H		0.2769	
2	5.600	5.613	-0.013	892761H		0.0138	
						RPD = 181.00	
27 Endosulfan sulfate							
1	5.360	5.362	-0.002	1755997H		0.0206	
2	5.748	5.768	-0.020	1201911H		0.0155	
						RPD = 28.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.632	5.633	-0.001	1481223H		0.0494	
2	5.923	5.922	0.001	892970H		0.0249	
						RPD = 65.72	
29 Endrin ketone							
1	5.792	5.798	-0.006	676698H		0.007266	
2	6.073	6.073	0.000	6120719H		0.0770	
						RPD = 165.53	
30 Mirex							
1	5.888	5.895	-0.007	1627229H		0.0277	
2	6.427	6.433	-0.006	306760H		0.007284	
						RPD = 116.62	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	647384225H	14.9	6.93	
2	7.120	7.118	0.002	422758648H	14.9	6.84	
						RPD = 1.29	
S 32 Total DDTs							
1						0.3496	
2						0.0250	
						RPD = 173.35	
S 33 Endosulfan, Total							
1						0.0673	
2						0.1820	
						RPD = 91.99	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 08:46:35 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.012.D

Injection Date: 02-Mar-2023 02:38:00 Instrument ID: 9147

Lims ID: MB 410-348994/1-A

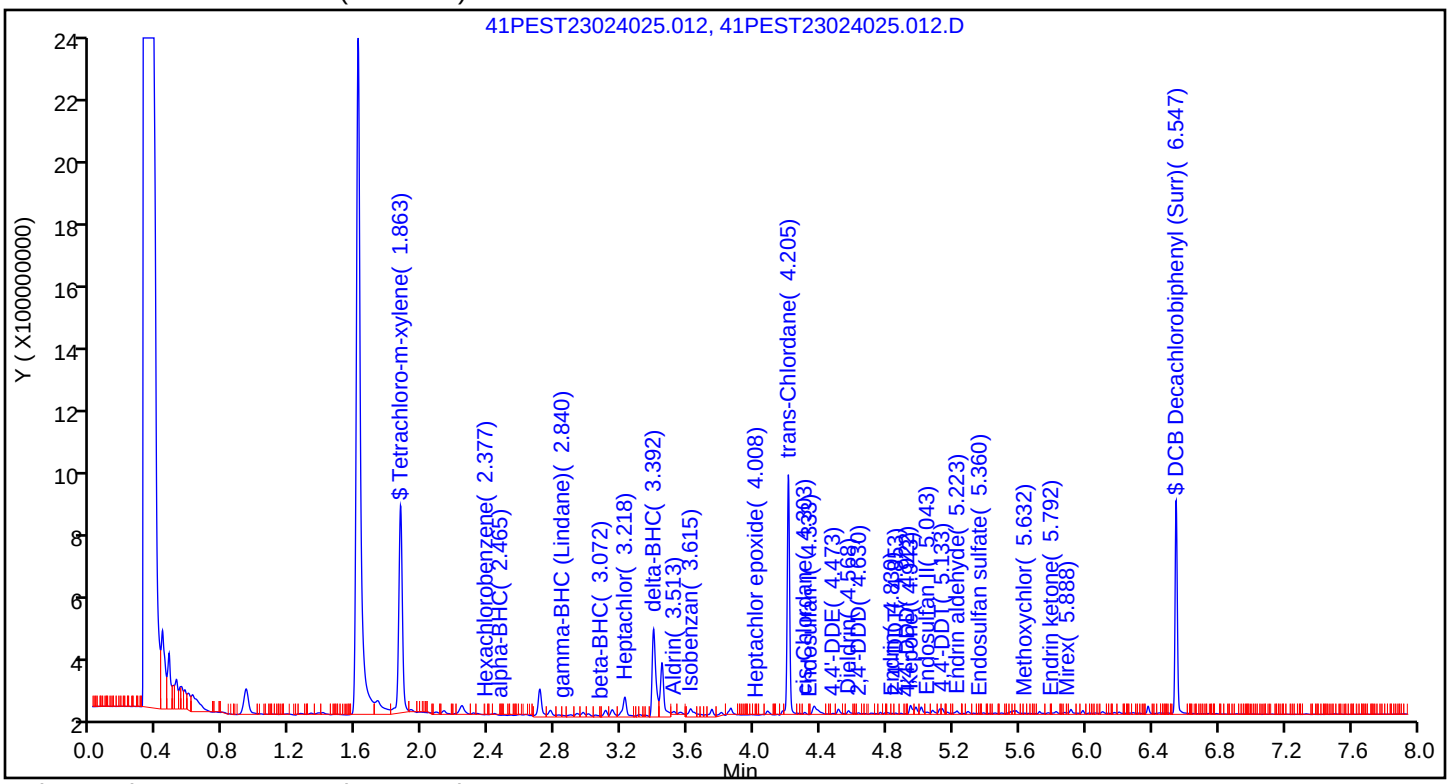
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

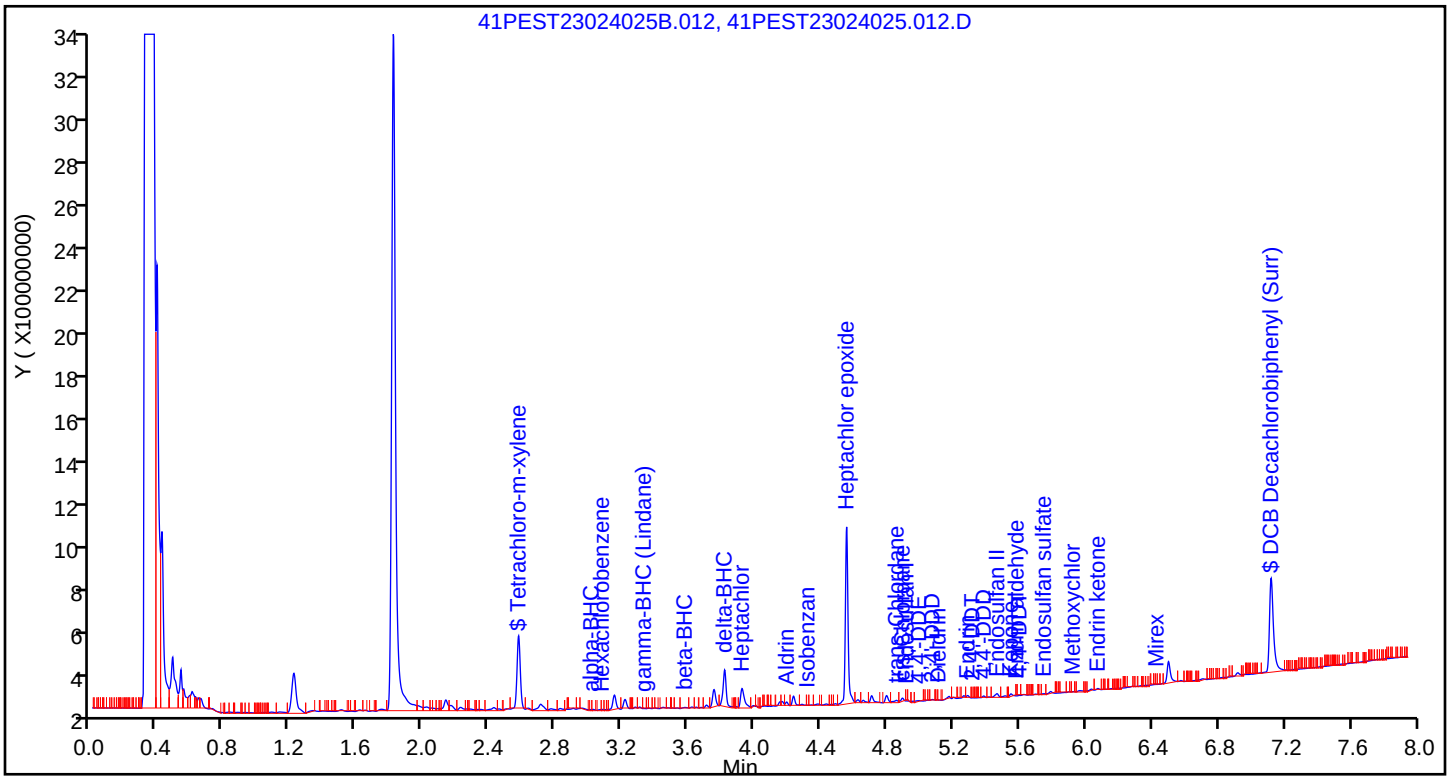
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.012.D				
Lims ID:	MB 410-348994/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	02-Mar-2023 02:38:00	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-348994/1-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 08:43:47	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 08:43:47		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.97	66.07
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	6.93	46.48

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.47	62.76
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	6.84	45.88

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

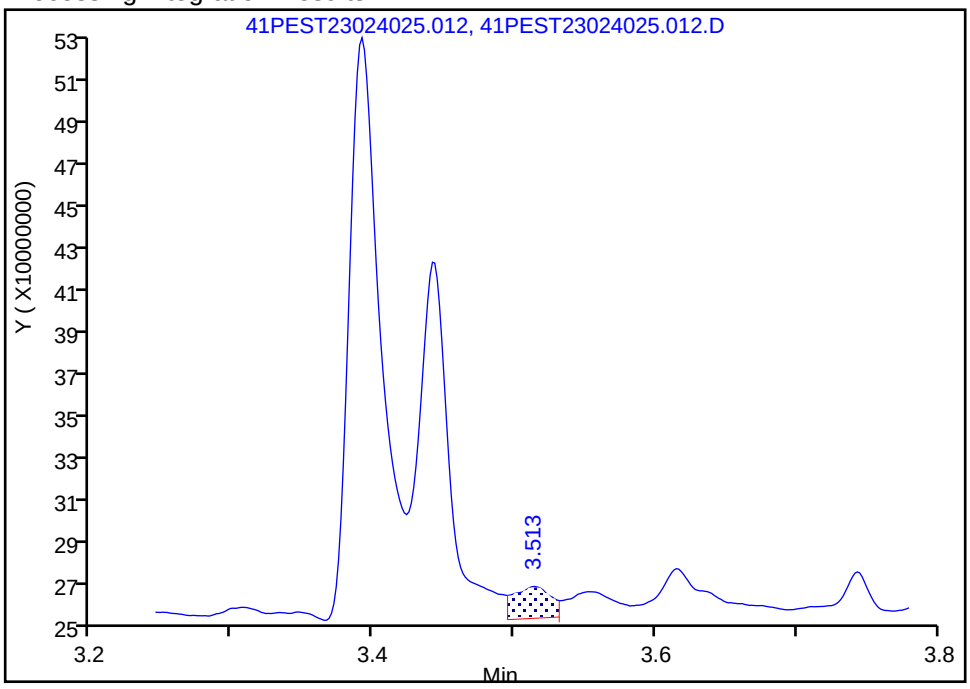
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.012.D				
Injection Date:	02-Mar-2023 02:38:00	Instrument ID:	9147		
Lims ID:	MB 410-348994/1-A				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	1AECDA		

9 Aldrin, CAS: 309-00-2

Signal: 2

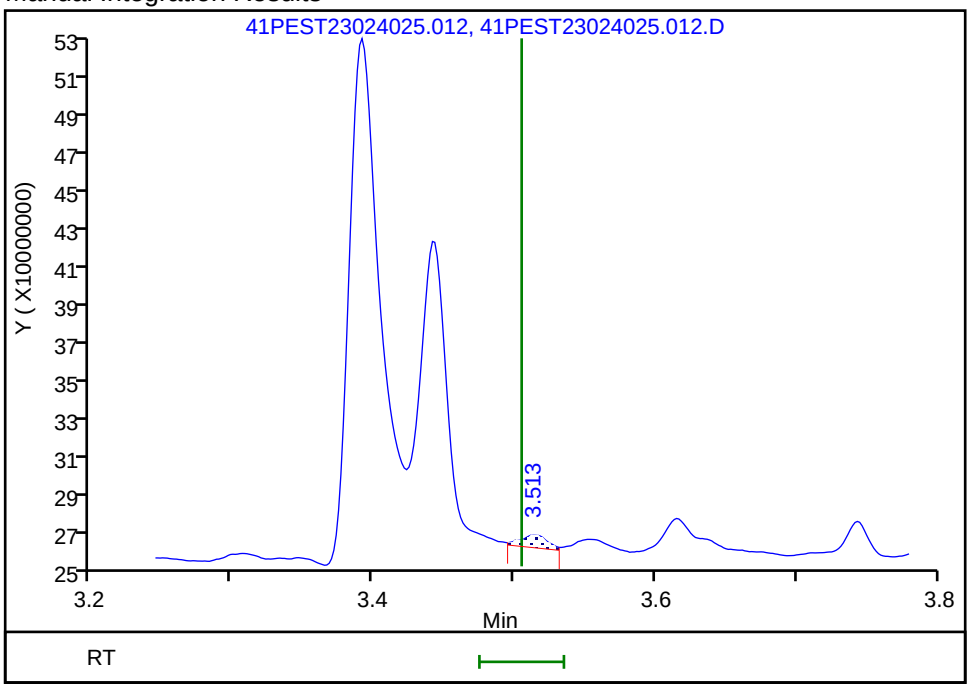
Processing Integration Results

RT: 3.51
Height: 14479051
Amount: 0.149592
Amount Units: ug/l



Manual Integration Results

RT: 3.51
Height: 6342804
Amount: 0.065532
Amount Units: ug/l



Reviewer: UAMZ, 03-Mar-2023 08:43:22
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-116613-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-348994/1-A

Matrix: Water
Lab File ID: 41PEST23024025.012.D

Analysis Method: 8081B
Date Collected:

Extraction Method: 3510C
Date Extracted: 03/01/2023 08:04

Sample wt/vol: 250(mL)
Date Analyzed: 03/02/2023 02:38

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

Injection Volume: 1(uL)
GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	0.0305		0.020	0.0034
5103-74-2	gamma-Chlordane	ND		0.040	0.0070
76-44-8	Heptachlor	0.0159	J	0.020	0.0020
50-29-3	p,p'-DDT	ND		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	46		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	63		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.012.D
Lims ID: MB 410-348994/1-A
Client ID:
Sample Type: MB
Inject. Date: 02-Mar-2023 02:38:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-348994/1-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 08:43:47 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 08:43:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	629466235H	15.1	9.97	
2	2.577	2.573	0.004	331937585H	15.1	9.47	
						RPD = 5.14	
2 alpha-BHC							
1	2.465	2.457	0.008	248301H		0.002602	
2	3.017	2.993	0.024	286399H		0.003048	
						RPD = 15.77	
3 Hexachlorobenzene							
1	2.377	2.367	0.010	744029H		0.009061	
2	3.080	3.083	-0.003	468938H		0.004739	
						RPD = 62.65	
4 gamma-BHC (Lindane)							
1	2.840	2.830	0.010	1441061H		0.0161	
2	3.333	3.335	-0.002	486239H		0.005202	
						RPD = 102.47	
5 beta-BHC							
1	3.072	3.082	-0.010	1367028H		0.0331	
2	3.580	3.597	-0.017	3586753H		0.1035	
						RPD = 103.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.392	3.370	0.022	265448744H		2.57	
2	3.820	3.845	-0.025	164856804H		1.53	
						RPD = 50.89	
8 Heptachlor							
1	3.218	3.197	0.021	58262046H		0.7457	
2	3.925	3.918	0.007	84729847H		0.7929	
						RPD = 6.13	
9 Aldrin							M
1	3.513	3.505	0.008	6342804H		0.0655	M
2	4.195	4.212	-0.017	14747975H		0.1324	
						RPD = 67.58	
10 Isobenzan							
1	3.615	3.618	-0.003	21974301H		0.3451	
2	4.320	4.320	0.000	405988H		0.005351	
						RPD = 193.89	
11 Heptachlor epoxide							
1	4.008	4.010	-0.002	1136832H		0.0123	
2	4.557	4.583	-0.026	800948321H		8.17	
						RPD = 199.40	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.205	4.213	-0.008	729106395H		7.45	
2	4.858	4.842	0.016	5290725H		0.0550	
						RPD = 197.07	
14 cis-Chlordane							
1	4.303	4.295	0.008	6532566H		0.0663	
2	4.893	4.882	0.011	13617887H		0.1506	
						RPD = 77.77	
15 Endosulfan I							
1	4.333	4.340	-0.007	327028H		0.003531	
2	4.918	4.913	0.005	438019H		0.004795	
						RPD = 30.36	
16 4,4'-DDE							
1	4.473	4.468	0.005	2687124H		0.0260	
2	4.995	4.997	-0.002	2373799H		0.0233	
						RPD = 10.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.630	4.637	-0.007	3352208H		0.0649	
2	5.075	5.072	0.003	2750305H		0.0610	
						RPD = 6.13	
18 Dieldrin							
1	4.568	4.578	-0.010	9891667H		0.0953	
2	5.112	5.113	-0.001	619985H		0.005773	
						RPD = 177.16	
19 Endrin							
1	4.830	4.830	0.000	2700994H		0.0292	
2	5.287	5.290	-0.003	7170551H		0.0775	
						RPD = 90.67	
20 2,4'-DDT							
1	4.853	4.858	-0.005	3409701H		0.0727	
2	5.317	5.308	0.009	565469H		0.0111	
						RPD = 146.85	
22 4,4'-DDD							
1	4.922	4.927	-0.005	1379677H		0.0161	
2	5.385	5.387	-0.002	7144266H		0.0964	
						RPD = 142.67	
23 Endosulfan II							
1	5.043	5.038	0.005	5849343H		0.0638	
2	5.465	5.483	-0.018	15032333H		0.1772	
						RPD = 94.12	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1	4.943	4.942	0.001	26152020H		0.6507	
2	5.548	5.542	0.006	10236552H		0.2886	
						RPD = 77.10	
25 Endrin aldehyde							
1	5.223	5.212	0.011	8883232H		0.1167	
2	5.582	5.565	0.017	98109H		0.001517	
						RPD = 194.87	
26 4,4'-DDT							
1	5.133	5.138	-0.005	16210288H		0.2769	
2	5.600	5.613	-0.013	892761H		0.0138	
						RPD = 181.00	
27 Endosulfan sulfate							
1	5.360	5.362	-0.002	1755997H		0.0206	
2	5.748	5.768	-0.020	1201911H		0.0155	
						RPD = 28.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.632	5.633	-0.001	1481223H		0.0494	
2	5.923	5.922	0.001	892970H		0.0249	
						RPD = 65.72	
29 Endrin ketone							
1	5.792	5.798	-0.006	676698H		0.007266	
2	6.073	6.073	0.000	6120719H		0.0770	
						RPD = 165.53	
30 Mirex							
1	5.888	5.895	-0.007	1627229H		0.0277	
2	6.427	6.433	-0.006	306760H		0.007284	
						RPD = 116.62	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	647384225H	14.9	6.93	
2	7.120	7.118	0.002	422758648H	14.9	6.84	
						RPD = 1.29	
S 32 Total DDTs							
1						0.3496	
2						0.0250	
						RPD = 173.35	
S 33 Endosulfan, Total							
1						0.0673	
2						0.1820	
						RPD = 91.99	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 08:46:36 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.012.D

Injection Date: 02-Mar-2023 02:38:00 Instrument ID: 9147

Lims ID: MB 410-348994/1-A

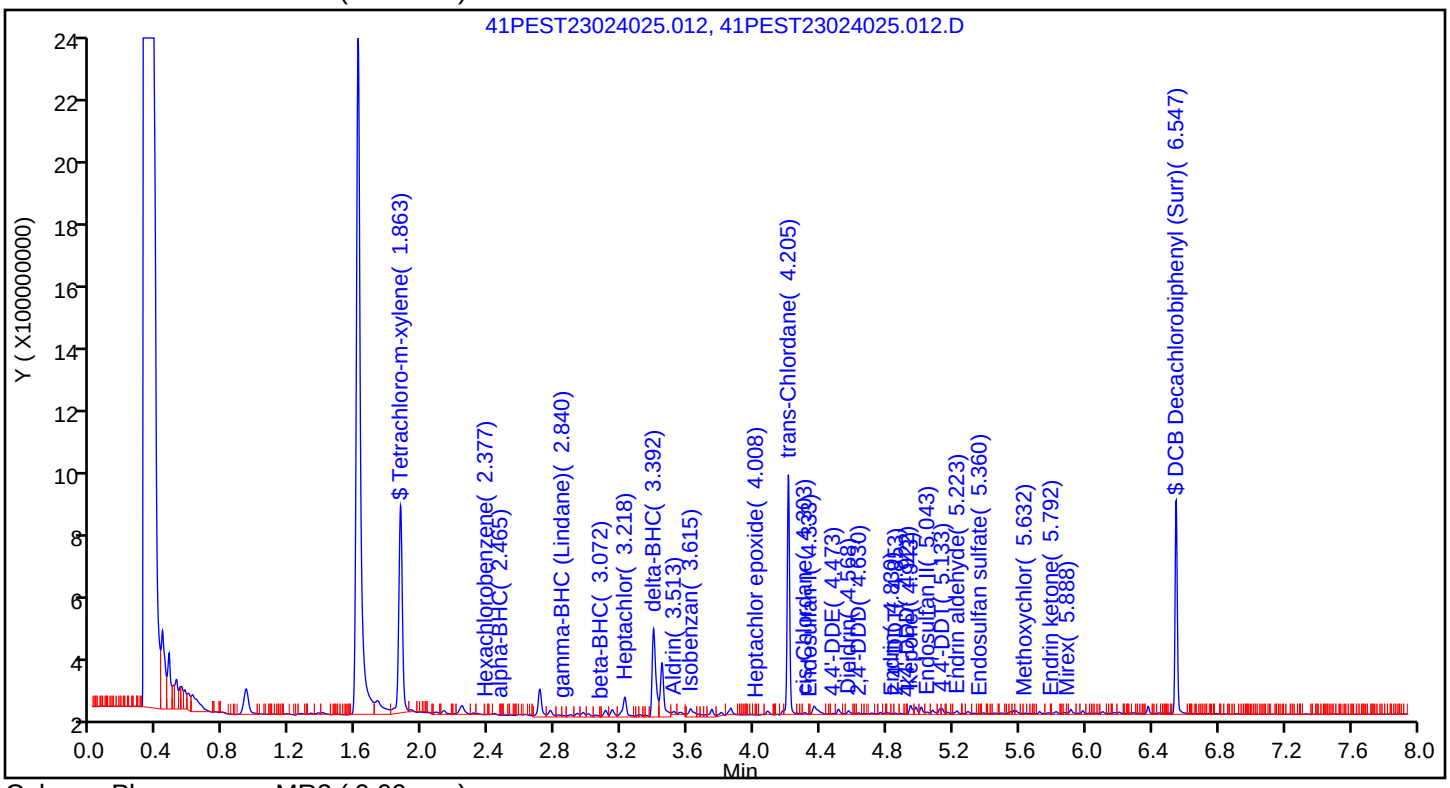
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

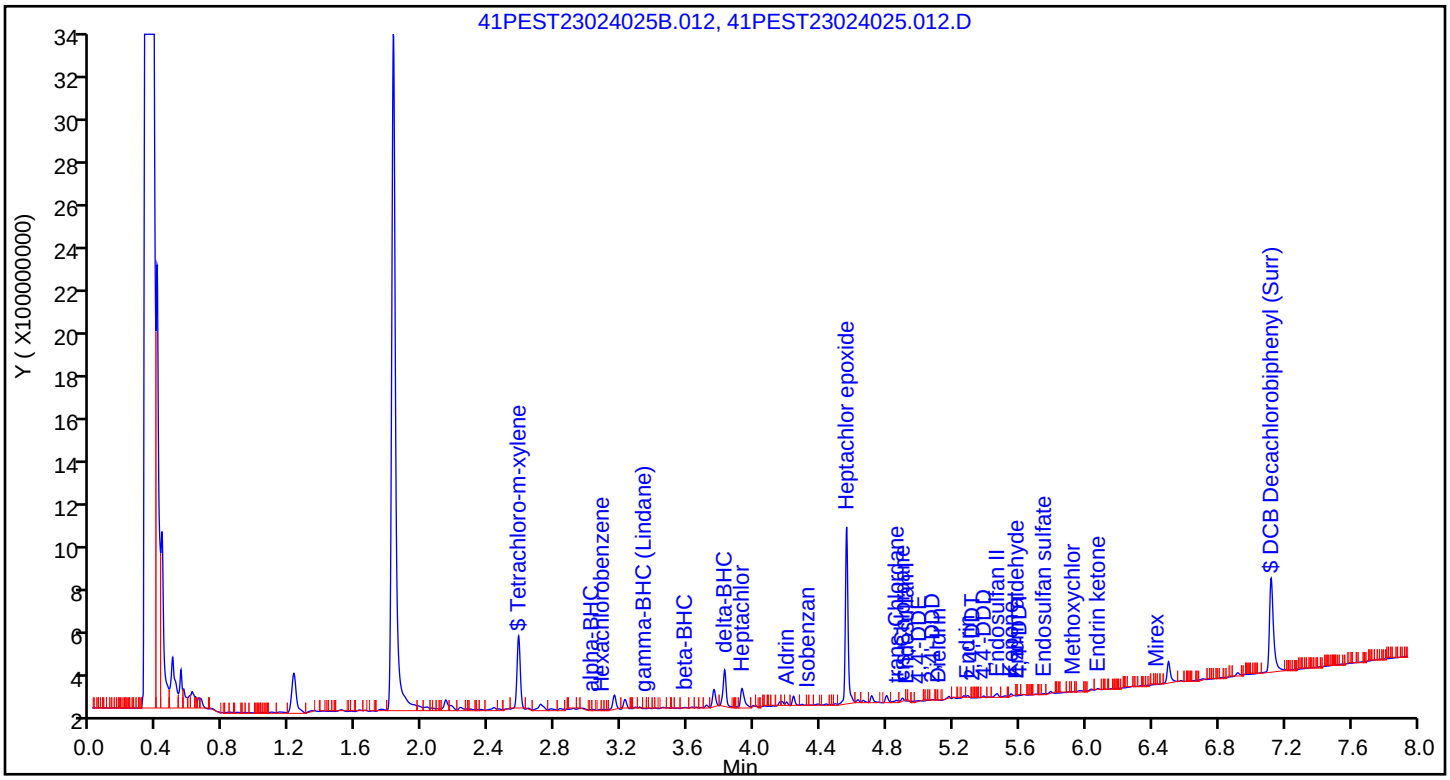
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.012.D				
Lims ID:	MB 410-348994/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	02-Mar-2023 02:38:00	ALS Bottle#:	0	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-348994/1-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 08:43:47	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 08:43:47		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.97	66.07
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	6.93	46.48

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.47	62.76
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	6.84	45.88

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-349358/2

Matrix: Water Lab File ID: 41PEST23024025.002.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 03/01/2023 23:52

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		1.0	0.10
319-84-6	alpha-BHC	ND		1.0	0.15
5103-71-9	alpha-Chlordane	ND		1.0	0.15
319-85-7	beta-BHC	ND		1.5	0.55
319-86-8	delta-BHC	ND		1.0	0.17
60-57-1	Dieldrin	ND		1.5	0.27
959-98-8	Endosulfan I	ND		1.0	0.22
33213-65-9	Endosulfan II	ND		2.0	0.75
1031-07-8	Endosulfan sulfate	ND		1.5	0.29
72-20-8	Endrin	ND		1.5	0.41
7421-93-4	Endrin aldehyde	ND		5.0	1.0
53494-70-5	Endrin ketone	ND		1.5	0.25
58-89-9	gamma-BHC (Lindane)	ND		1.0	0.10
5103-74-2	gamma-Chlordane	ND		2.0	0.35
76-44-8	Heptachlor	ND		1.0	0.10
1024-57-3	Heptachlor epoxide	ND		1.0	0.12
72-43-5	Methoxychlor	ND		5.5	1.5
8001-35-2	Toxaphene	ND		50	15
72-54-8	p,p'-DDD	ND		1.5	0.25
72-55-9	p,p'-DDE	ND		1.5	0.25
50-29-3	p,p'-DDT	ND		1.5	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	112		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	99		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.002.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 01-Mar-2023 23:52:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:49:31 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	1246873405H	20.0	19.7	
2	2.575	2.573	0.002	685127370H	20.0	19.5	
						RPD = 1.03	
2 alpha-BHC							
1	2.465	2.457	0.008	143225H		0.001501	
2	2.995	2.993	0.002	468385H		0.004984	
						RPD = 107.42	
3 Hexachlorobenzene							
1	2.365	2.367	-0.002	117747H		0.001434	
2	3.080	3.083	-0.003	340787H		0.003444	
						RPD = 82.40	
4 gamma-BHC (Lindane)							
1	2.837	2.830	0.007	1201503H		0.0135	
2	3.340	3.335	0.005	278486H		0.002979	
						RPD = 127.46	
5 beta-BHC							
1	3.088	3.082	0.006	81226H		0.001967	
2	3.593	3.597	-0.004	638567H		0.0184	
						RPD = 161.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	3.002	3.012	-0.010	304338H		0.1440	
1	3.653	3.648	0.005	299781H		0.1617	
1	4.220	4.215	0.005	474228H		0.0574	
1	4.302	4.298	0.004	1370200H		0.2023	
1	5.062	5.062	0.000	262677H		0.0912	
		Average of Peak Amounts =				0.1313	
2	3.717	3.718	-0.001	608725H		0.2564	
2	4.613	4.610	0.003	99899H		0.0497	
2	4.847	4.840	0.007	344198H		0.0329	
2	4.918	4.917	0.001	380207H		0.0576	
2	5.545	5.538	0.007	158152H		0.0736	
		Average of Peak Amounts =				0.0940	
						RPD = 33.08	
7 delta-BHC							
1	3.378	3.370	0.008	457876H		0.004426	
2	3.842	3.845	-0.003	900922H		0.008334	
						RPD = 61.25	
8 Heptachlor							
1	3.208	3.197	0.011	105914H		0.001356	
2	3.905	3.918	-0.013	2464555H		0.0231	
						RPD = 177.79	
9 Aldrin							
1	3.518	3.505	0.013	273253H		0.002823	
2	4.217	4.212	0.005	431508H		0.003874	
						RPD = 31.39	
10 Isobenzan							
1	3.607	3.618	-0.011	256055H		0.004021	
2	4.317	4.320	-0.003	297373H		0.003920	
						RPD = 2.56	
11 Heptachlor epoxide							
1	4.018	4.010	0.008	378991H		0.004090	
2	4.572	4.583	-0.011	1043950H		0.0107	
						RPD = 89.01	
12 2,4'-DDE							
1	4.205	4.220	-0.015	157758H		0.002551	
2	4.715	4.713	0.002	158469H		0.002894	
						RPD = 12.58	
13 trans-Chlordane							
1	4.220	4.213	0.007	474228H		0.004845	
2	4.847	4.842	0.005	344198H		0.003579	
						RPD = 30.06	
14 cis-Chlordane							
1	4.302	4.295	0.007	1370200H		0.0139	
2	4.872	4.882	-0.010	3380030H		0.0374	
						RPD = 91.57	
15 Endosulfan I							
1	4.350	4.340	0.010	1287238H		0.0139	
2	4.908	4.913	-0.005	566392H		0.006200	
						RPD = 76.61	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.470	4.468	0.002	286161H		0.002772	
2	4.997	4.997	0.000	357494H		0.003512	
						RPD = 23.54	
17 2,4'-DDD							
1	4.630	4.637	-0.007	338219H		0.006545	
2	5.062	5.072	-0.010	2109782H		0.0468	
						RPD = 150.92	
18 Dieldrin							
1	4.582	4.578	0.004	267529H		0.002578	
2	5.112	5.113	-0.001	204407H		0.001903	
						RPD = 30.12	
19 Endrin							
1	4.837	4.830	0.007	140977H		0.001522	
2	5.288	5.290	-0.002	374994H		0.004054	
						RPD = 90.82	
20 2,4'-DDT							
1	4.867	4.858	0.009	918619H		0.0196	
2	5.298	5.308	-0.010	130680H		0.002576	
						RPD = 153.53	
22 4,4'-DDD							
1	4.933	4.927	0.006	121047H		0.001415	
2	5.387	5.387	0.000	470240H		0.006347	
						RPD = 127.07	
23 Endosulfan II							
1	5.047	5.038	0.009	275571H		0.003005	
2	5.482	5.483	-0.001	276291H		0.003257	
						RPD = 8.04	
21 Toxaphene							
1	5.085	5.060	0.025	362253H		0.3268	
1	5.295	5.277	0.018	476226H		0.3174	
1	5.665	5.657	0.008	491851H		0.2610	
1	5.878	5.902	-0.024	531806H		0.3642	
1	4.867	4.857	0.010	918619H		1.05	
		Average of Peak Amounts =				0.4648	
2	5.528	5.537	-0.009	260681H		0.2627	
2	5.698	5.715	-0.017	549416H		0.3873	
2	5.850	5.850	0.000	225933H		0.1937	
2	6.070	6.097	-0.027	267979H		0.2180	
2	6.318	6.350	-0.032	371451H		0.4032	
		Average of Peak Amounts =				0.2930	
						RPD = 45.35	
24 Kepone							
1	4.942	4.942	0.000	147341H		0.003666	
2	5.545	5.542	0.003	158152H		0.004459	
						RPD = 19.51	
25 Endrin aldehyde							
1	5.213	5.212	0.001	292175H		0.003840	
2	5.567	5.565	0.002	505443H		0.007816	
						RPD = 68.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.140	5.138	0.002	1613955H		0.0276	
2	5.627	5.613	0.014	3838219H		0.0594	
						RPD = 73.15	
27 Endosulfan sulfate							
1	5.365	5.362	0.003	225597H		0.002643	
2	5.777	5.768	0.009	652604H		0.008411	
						RPD = 104.37	
28 Methoxychlor							
1	5.633	5.633	0.000	149516H		0.004983	
2	5.913	5.922	-0.009	307951H		0.008603	
						RPD = 53.29	
29 Endrin ketone							
1	5.803	5.798	0.005	317801H		0.003413	
2	6.070	6.073	-0.003	267979H		0.003373	
						RPD = 1.16	
30 Mirex							
1	5.892	5.895	-0.003	108133H		0.001838	
2	6.427	6.433	-0.006	300013H		0.007124	
						RPD = 117.96	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	2093984333H	20.0	22.4	
2	7.118	7.118	0.000	1343920619H	20.0	21.7	
						RPD = 3.02	
S 32 Total DDTs							
1						0.0472	
2						0.0619	
						RPD = 27.09	
S 33 Endosulfan, Total							
1						0.0169	
2						0.009457	
						RPD = 56.50	

Reagents:

GCS_IBLK_00005 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:54:55 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.002.D

Injection Date: 01-Mar-2023 23:52:00 Instrument ID: 9147

Lims ID: piblk

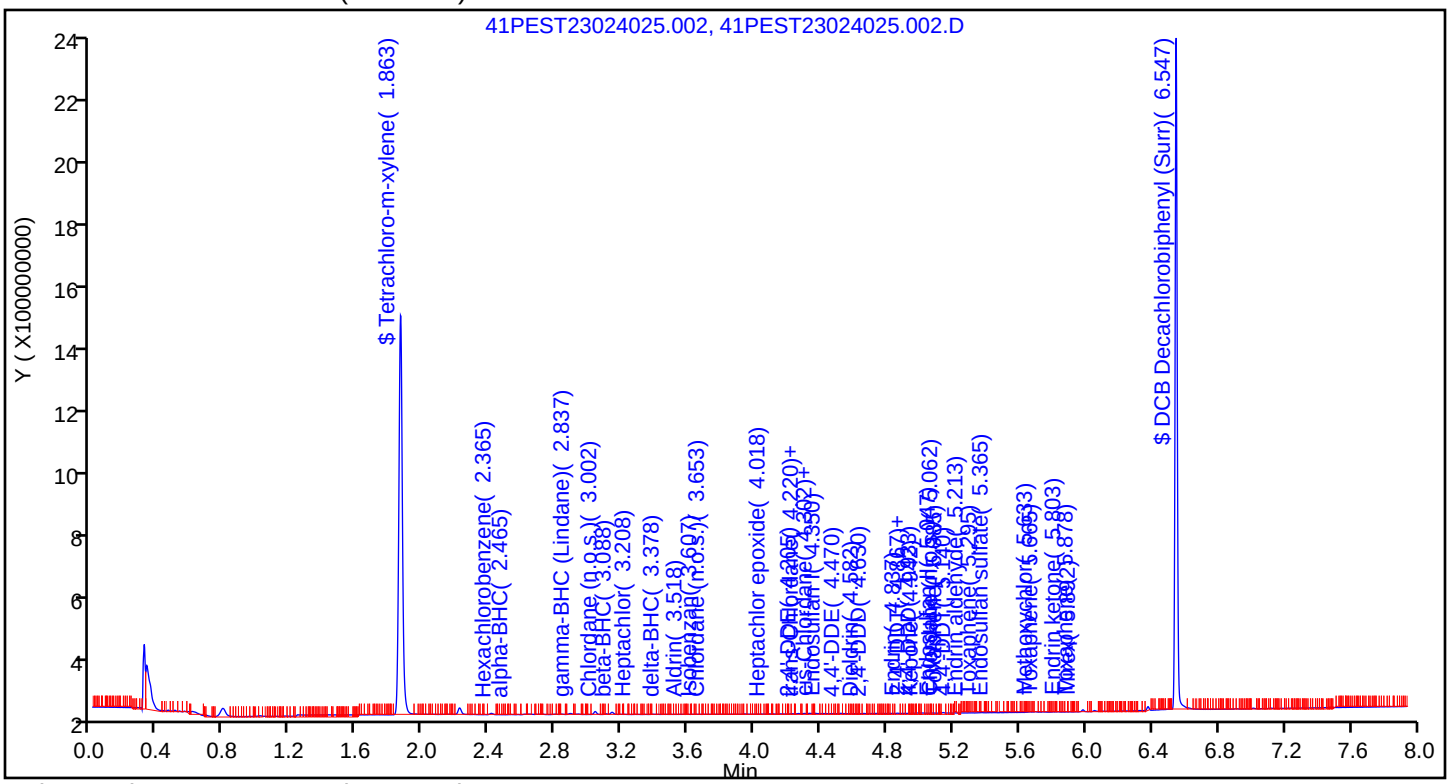
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 2

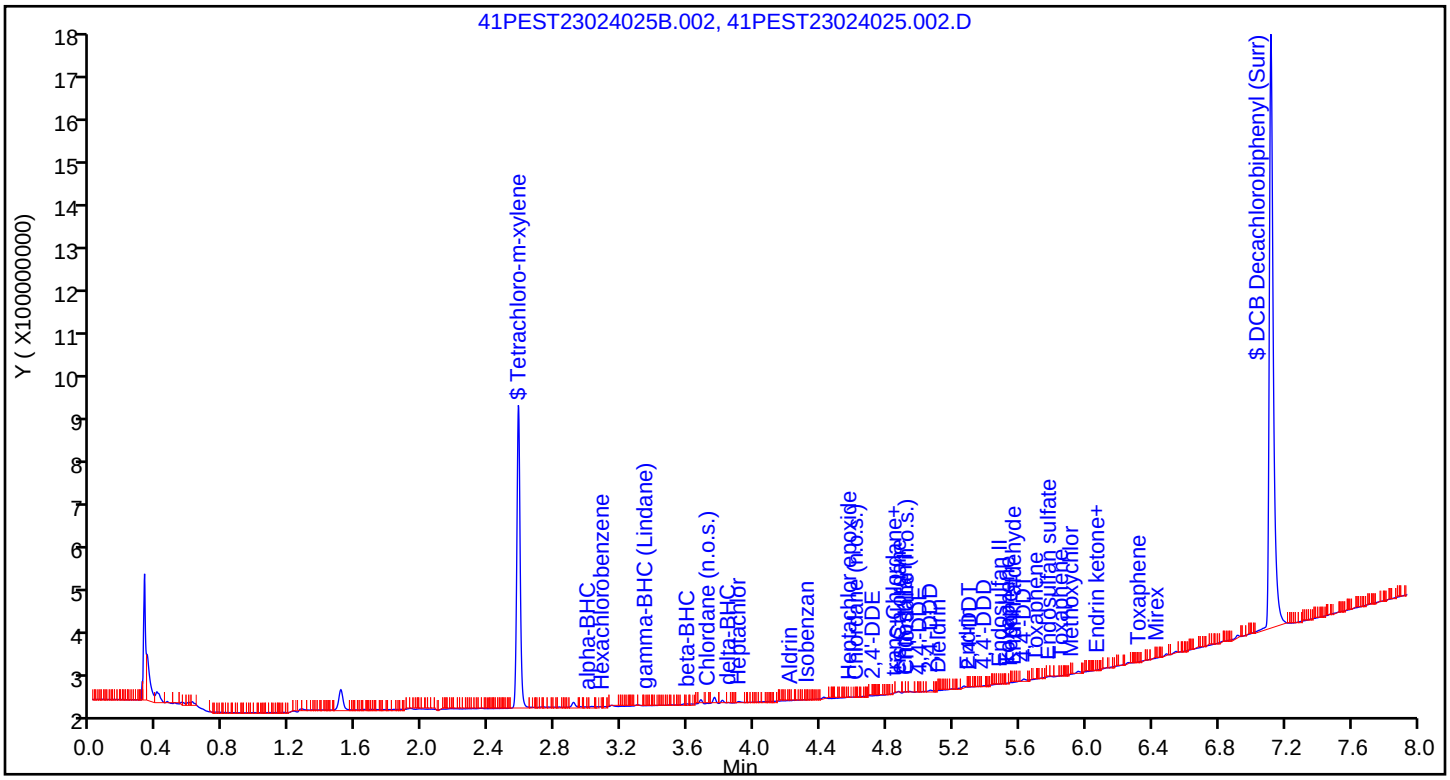
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.002.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	01-Mar-2023 23:52:00	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	02-Mar-2023 08:49:31	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1607				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.7	98.60
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	22.4	112.02

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.5	97.59
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.7	108.69

Report Date: 02-Mar-2023 08:54:55 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.002.D

Injection Date: 01-Mar-2023 23:52:00 Instrument ID: 9147

Lims ID: piblk

Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 2

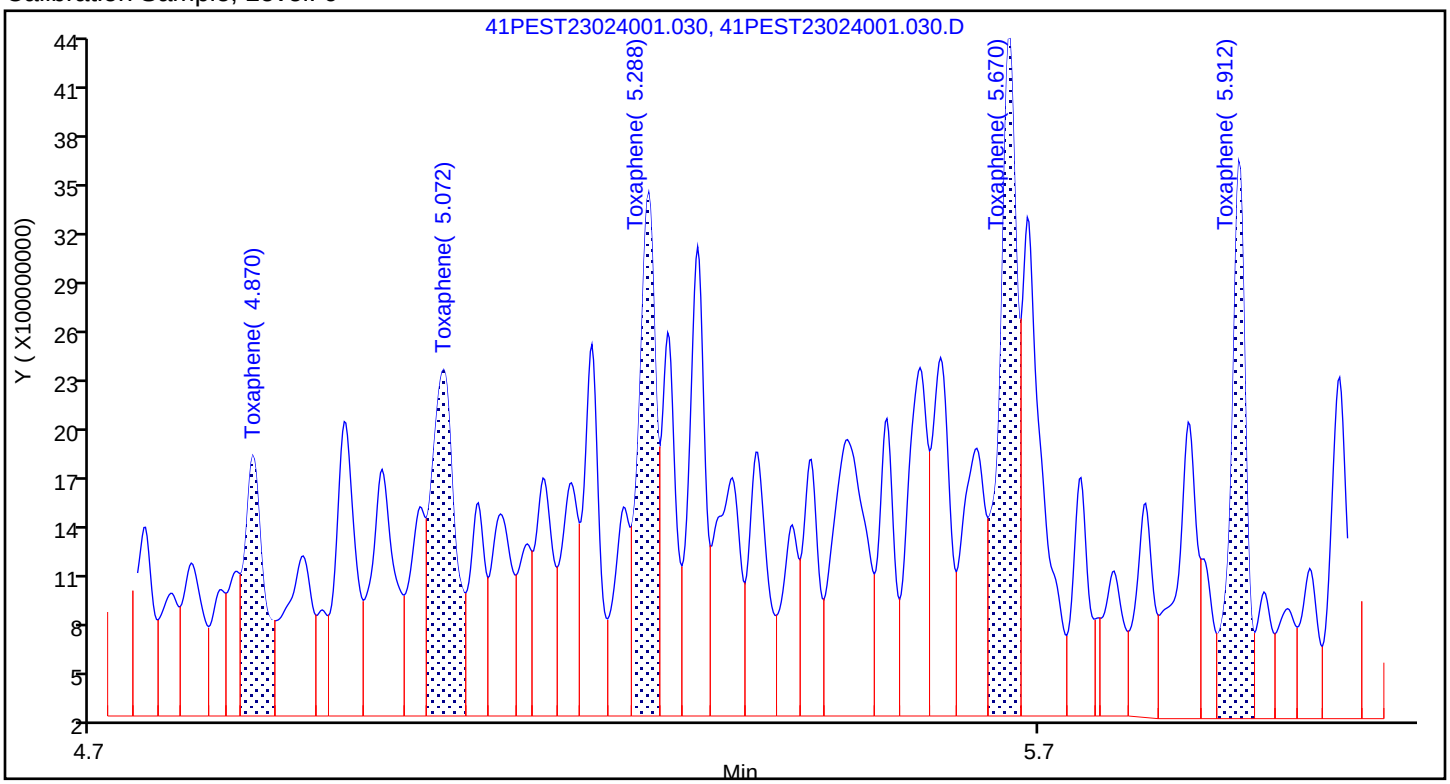
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

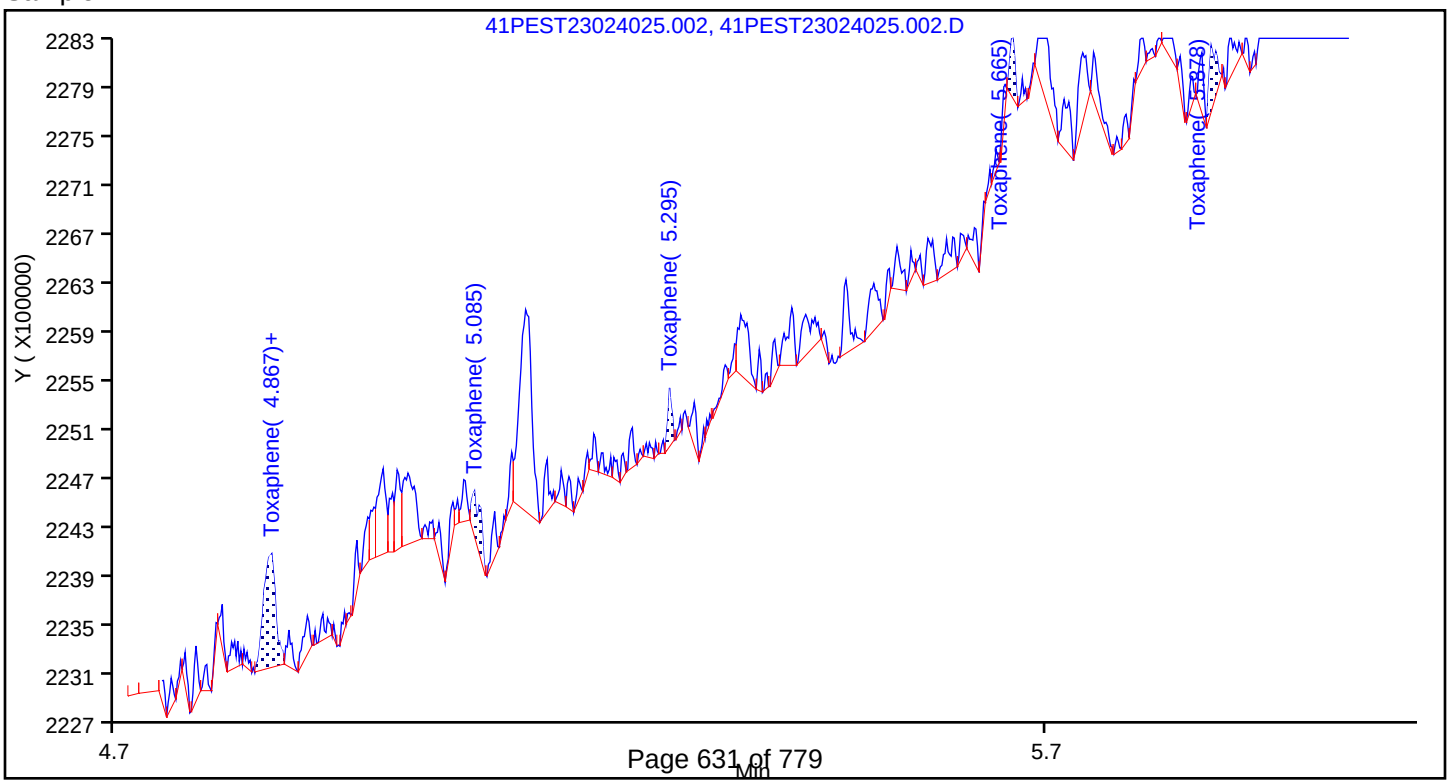
Column: Phenomenex MR2 (0.00 mm) Detector 1AECDA

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-349358/2

Matrix: Water Lab File ID: 41PEST23024025.002.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 03/01/2023 23:52

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	*Aldrin*	*ND*		*1.0*	*0.10*
319-84-6	*alpha-BHC*	*ND*		*1.0*	*0.15*
5103-71-9	*alpha-Chlordane*	*ND*		*1.0*	*0.15*
319-85-7	*beta-BHC*	*ND*		*1.5*	*0.55*
319-86-8	*delta-BHC*	*ND*		*1.0*	*0.17*
60-57-1	*Dieldrin*	*ND*		*1.5*	*0.27*
959-98-8	*Endosulfan I*	*ND*		*1.0*	*0.22*
33213-65-9	*Endosulfan II*	*ND*		*2.0*	*0.75*
1031-07-8	*Endosulfan sulfate*	*ND*		*1.5*	*0.29*
72-20-8	*Endrin*	*ND*		*1.5*	*0.41*
7421-93-4	*Endrin aldehyde*	*ND*		*5.0*	*1.0*
53494-70-5	*Endrin ketone*	*ND*		*1.5*	*0.25*
58-89-9	*gamma-BHC (Lindane)*	*ND*		*1.0*	*0.10*
5103-74-2	*gamma-Chlordane*	*ND*		*2.0*	*0.35*
76-44-8	*Heptachlor*	*ND*		*1.0*	*0.10*
1024-57-3	*Heptachlor epoxide*	*ND*		*1.0*	*0.12*
72-43-5	*Methoxychlor*	*ND*		*5.5*	*1.5*
8001-35-2	*Toxaphene*	*ND*		*50*	*15*
72-54-8	*p,p'-DDD*	*ND*		*1.5*	*0.25*
72-55-9	*p,p'-DDE*	*ND*		*1.5*	*0.25*
50-29-3	*p,p'-DDT*	*ND*		*1.5*	*0.26*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	109		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	98		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.002.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 01-Mar-2023 23:52:00 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:49:31 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	1246873405H	20.0	19.7	
2	2.575	2.573	0.002	685127370H	20.0	19.5	
						RPD = 1.03	
2 alpha-BHC							
1	2.465	2.457	0.008	143225H		0.001501	
2	2.995	2.993	0.002	468385H		0.004984	
						RPD = 107.42	
3 Hexachlorobenzene							
1	2.365	2.367	-0.002	117747H		0.001434	
2	3.080	3.083	-0.003	340787H		0.003444	
						RPD = 82.40	
4 gamma-BHC (Lindane)							
1	2.837	2.830	0.007	1201503H		0.0135	
2	3.340	3.335	0.005	278486H		0.002979	
						RPD = 127.46	
5 beta-BHC							
1	3.088	3.082	0.006	81226H		0.001967	
2	3.593	3.597	-0.004	638567H		0.0184	
						RPD = 161.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	3.002	3.012	-0.010	304338H		0.1440	
1	3.653	3.648	0.005	299781H		0.1617	
1	4.220	4.215	0.005	474228H		0.0574	
1	4.302	4.298	0.004	1370200H		0.2023	
1	5.062	5.062	0.000	262677H		0.0912	
		Average of Peak Amounts =				0.1313	
2	3.717	3.718	-0.001	608725H		0.2564	
2	4.613	4.610	0.003	99899H		0.0497	
2	4.847	4.840	0.007	344198H		0.0329	
2	4.918	4.917	0.001	380207H		0.0576	
2	5.545	5.538	0.007	158152H		0.0736	
		Average of Peak Amounts =				0.0940	
						RPD = 33.08	
7 delta-BHC							
1	3.378	3.370	0.008	457876H		0.004426	
2	3.842	3.845	-0.003	900922H		0.008334	
						RPD = 61.25	
8 Heptachlor							
1	3.208	3.197	0.011	105914H		0.001356	
2	3.905	3.918	-0.013	2464555H		0.0231	
						RPD = 177.79	
9 Aldrin							
1	3.518	3.505	0.013	273253H		0.002823	
2	4.217	4.212	0.005	431508H		0.003874	
						RPD = 31.39	
10 Isobenzan							
1	3.607	3.618	-0.011	256055H		0.004021	
2	4.317	4.320	-0.003	297373H		0.003920	
						RPD = 2.56	
11 Heptachlor epoxide							
1	4.018	4.010	0.008	378991H		0.004090	
2	4.572	4.583	-0.011	1043950H		0.0107	
						RPD = 89.01	
12 2,4'-DDE							
1	4.205	4.220	-0.015	157758H		0.002551	
2	4.715	4.713	0.002	158469H		0.002894	
						RPD = 12.58	
13 trans-Chlordane							
1	4.220	4.213	0.007	474228H		0.004845	
2	4.847	4.842	0.005	344198H		0.003579	
						RPD = 30.06	
14 cis-Chlordane							
1	4.302	4.295	0.007	1370200H		0.0139	
2	4.872	4.882	-0.010	3380030H		0.0374	
						RPD = 91.57	
15 Endosulfan I							
1	4.350	4.340	0.010	1287238H		0.0139	
2	4.908	4.913	-0.005	566392H		0.006200	
						RPD = 76.61	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.470	4.468	0.002	286161H		0.002772	
2	4.997	4.997	0.000	357494H		0.003512	
						RPD = 23.54	
17 2,4'-DDD							
1	4.630	4.637	-0.007	338219H		0.006545	
2	5.062	5.072	-0.010	2109782H		0.0468	
						RPD = 150.92	
18 Dieldrin							
1	4.582	4.578	0.004	267529H		0.002578	
2	5.112	5.113	-0.001	204407H		0.001903	
						RPD = 30.12	
19 Endrin							
1	4.837	4.830	0.007	140977H		0.001522	
2	5.288	5.290	-0.002	374994H		0.004054	
						RPD = 90.82	
20 2,4'-DDT							
1	4.867	4.858	0.009	918619H		0.0196	
2	5.298	5.308	-0.010	130680H		0.002576	
						RPD = 153.53	
22 4,4'-DDD							
1	4.933	4.927	0.006	121047H		0.001415	
2	5.387	5.387	0.000	470240H		0.006347	
						RPD = 127.07	
23 Endosulfan II							
1	5.047	5.038	0.009	275571H		0.003005	
2	5.482	5.483	-0.001	276291H		0.003257	
						RPD = 8.04	
21 Toxaphene							
1	5.085	5.060	0.025	362253H		0.3268	
1	5.295	5.277	0.018	476226H		0.3174	
1	5.665	5.657	0.008	491851H		0.2610	
1	5.878	5.902	-0.024	531806H		0.3642	
1	4.867	4.857	0.010	918619H		1.05	
		Average of Peak Amounts =				0.4648	
2	5.528	5.537	-0.009	260681H		0.2627	
2	5.698	5.715	-0.017	549416H		0.3873	
2	5.850	5.850	0.000	225933H		0.1937	
2	6.070	6.097	-0.027	267979H		0.2180	
2	6.318	6.350	-0.032	371451H		0.4032	
		Average of Peak Amounts =				0.2930	
						RPD = 45.35	
24 Kepone							
1	4.942	4.942	0.000	147341H		0.003666	
2	5.545	5.542	0.003	158152H		0.004459	
						RPD = 19.51	
25 Endrin aldehyde							
1	5.213	5.212	0.001	292175H		0.003840	
2	5.567	5.565	0.002	505443H		0.007816	
						RPD = 68.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.140	5.138	0.002	1613955H		0.0276	
2	5.627	5.613	0.014	3838219H		0.0594	
						RPD = 73.15	
27 Endosulfan sulfate							
1	5.365	5.362	0.003	225597H		0.002643	
2	5.777	5.768	0.009	652604H		0.008411	
						RPD = 104.37	
28 Methoxychlor							
1	5.633	5.633	0.000	149516H		0.004983	
2	5.913	5.922	-0.009	307951H		0.008603	
						RPD = 53.29	
29 Endrin ketone							
1	5.803	5.798	0.005	317801H		0.003413	
2	6.070	6.073	-0.003	267979H		0.003373	
						RPD = 1.16	
30 Mirex							
1	5.892	5.895	-0.003	108133H		0.001838	
2	6.427	6.433	-0.006	300013H		0.007124	
						RPD = 117.96	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	2093984333H	20.0	22.4	
2	7.118	7.118	0.000	1343920619H	20.0	21.7	
						RPD = 3.02	
S 32 Total DDTs							
1						0.0472	
2						0.0619	
						RPD = 27.09	
S 33 Endosulfan, Total							
1						0.0169	
2						0.009457	
						RPD = 56.50	

Reagents:

GCS_IBLK_00005 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 08:54:55 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.002.D

Injection Date: 01-Mar-2023 23:52:00 Instrument ID: 9147

Lims ID: piblk

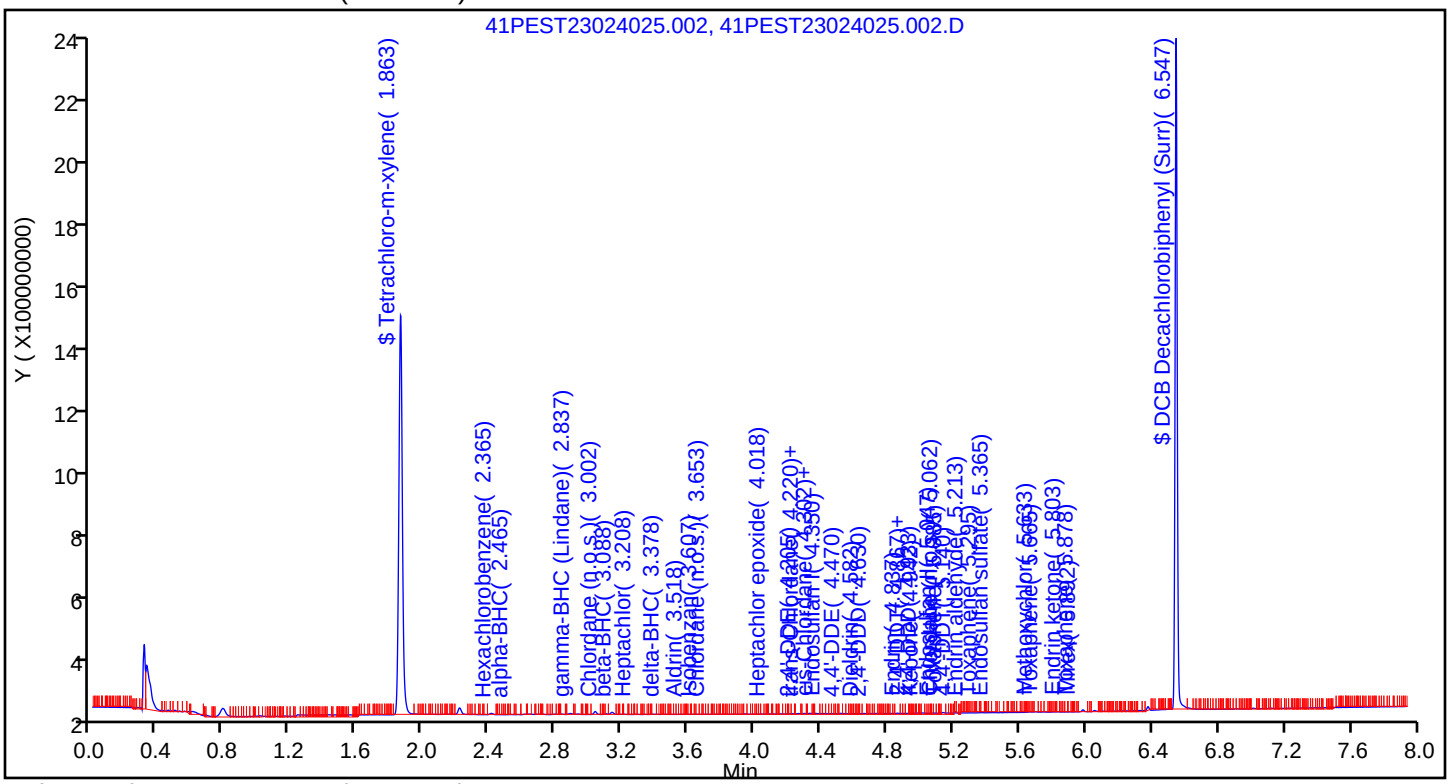
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 2

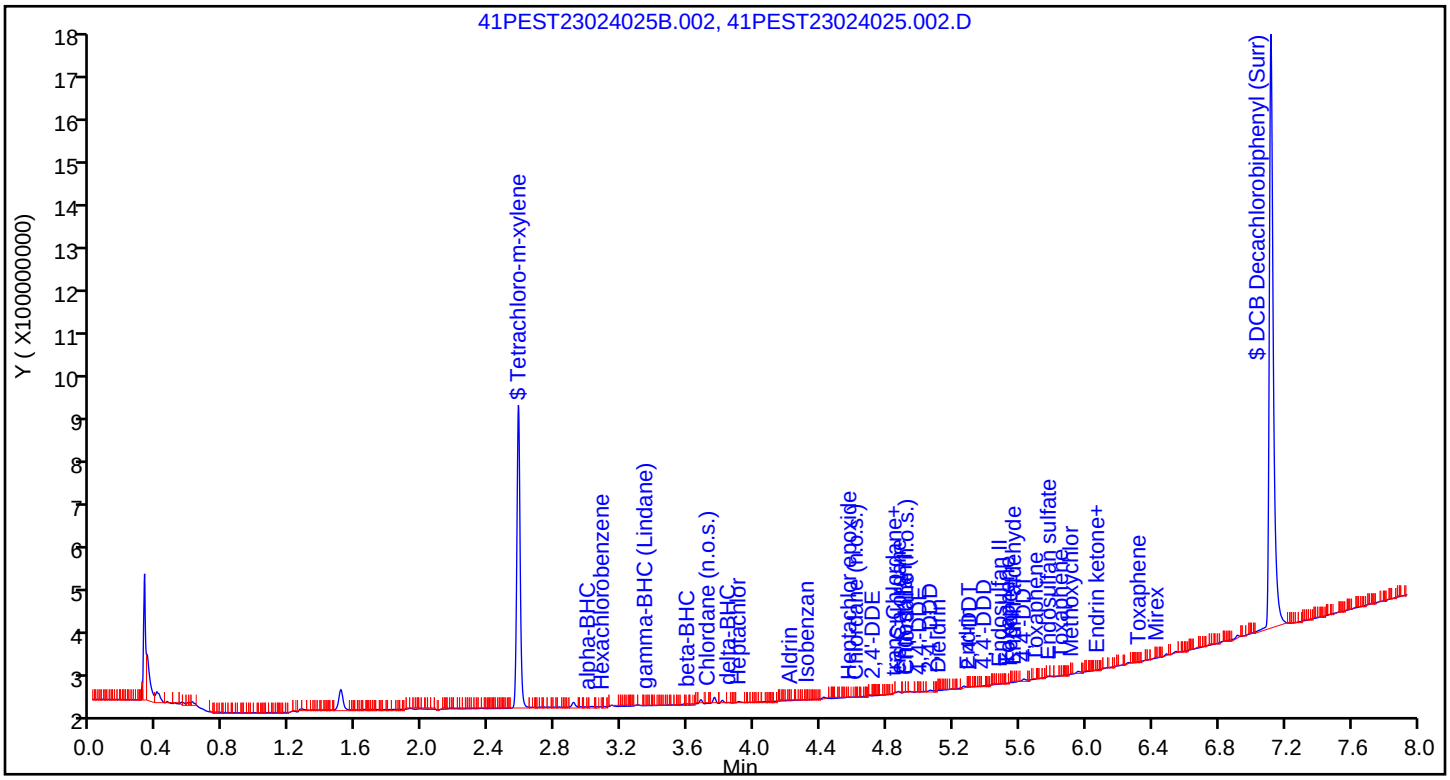
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.002.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	01-Mar-2023 23:52:00	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	02-Mar-2023 08:49:31	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1607				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.7	98.60
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	22.4	112.02

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.5	97.59
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.7	108.69

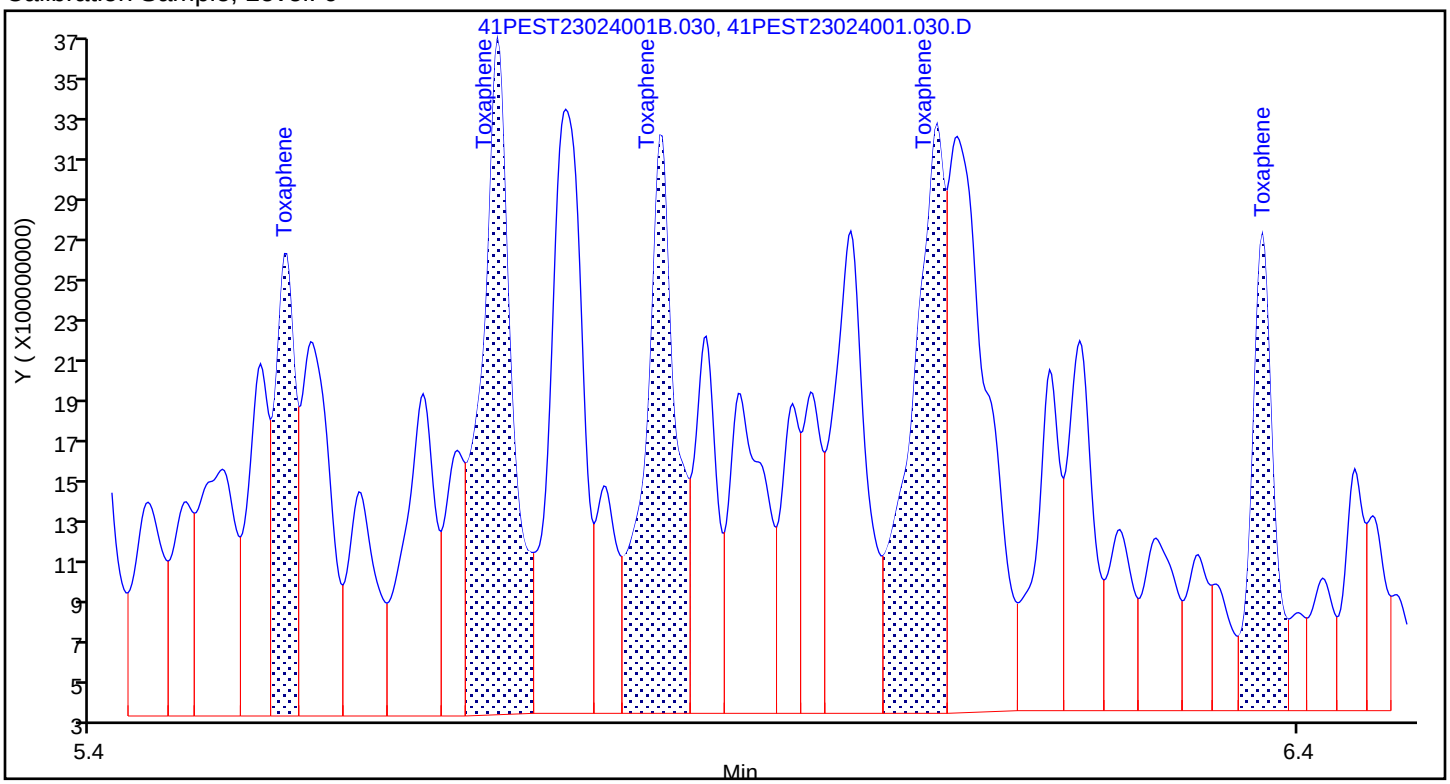
Report Date: 02-Mar-2023 08:54:55 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

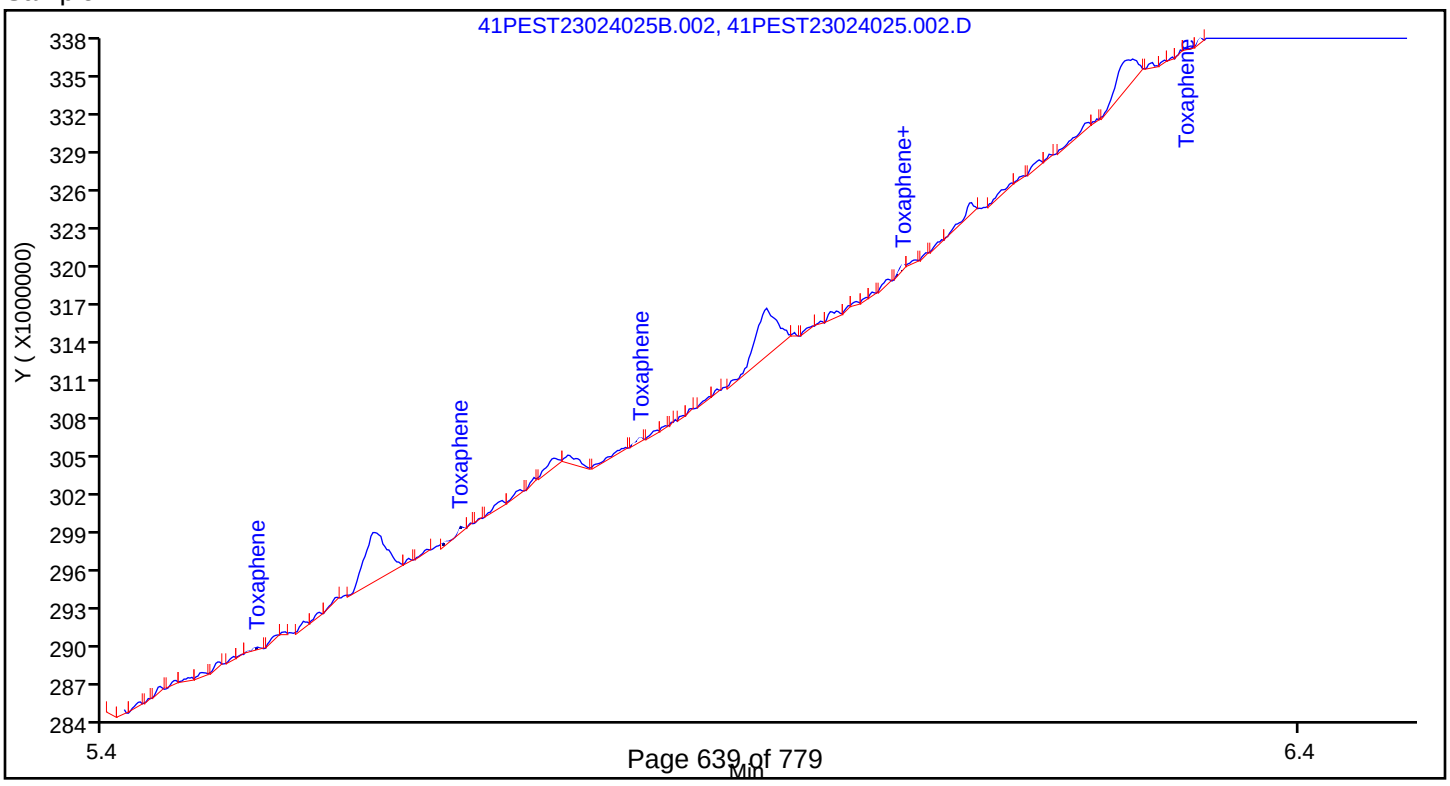
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.002.D				
Injection Date:	01-Mar-2023 23:52:00	Instrument ID:	9147		
Lims ID:	piblk				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	2BECDB		

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-349358/37

Matrix: Water Lab File ID: 41PEST23024025.037.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 03/02/2023 08:45

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		1.0	0.10
319-84-6	alpha-BHC	ND		1.0	0.15
5103-71-9	alpha-Chlordane	ND		1.0	0.15
319-85-7	beta-BHC	ND		1.5	0.55
319-86-8	delta-BHC	ND		1.0	0.17
60-57-1	Dieldrin	ND		1.5	0.27
959-98-8	Endosulfan I	ND		1.0	0.22
33213-65-9	Endosulfan II	ND		2.0	0.75
1031-07-8	Endosulfan sulfate	ND		1.5	0.29
72-20-8	Endrin	ND		1.5	0.41
7421-93-4	Endrin aldehyde	ND		5.0	1.0
53494-70-5	Endrin ketone	ND		1.5	0.25
58-89-9	gamma-BHC (Lindane)	ND		1.0	0.10
5103-74-2	gamma-Chlordane	ND		2.0	0.35
76-44-8	Heptachlor	ND		1.0	0.10
1024-57-3	Heptachlor epoxide	ND		1.0	0.12
72-43-5	Methoxychlor	ND		5.5	1.5
8001-35-2	Toxaphene	ND		50	15
72-54-8	p,p'-DDD	ND		1.5	0.25
72-55-9	p,p'-DDE	ND		1.5	0.25
50-29-3	p,p'-DDT	ND		1.5	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	108		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	101		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.037.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 02-Mar-2023 08:45:00 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 09:40:09 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	1272430916H	20.0	20.1	
2	2.570	2.573	-0.003	680618815H	20.0	19.4	
						RPD = 3.72	
2 alpha-BHC							
1	2.458	2.457	0.001	133131H		0.001395	
2	2.993	2.993	0.000	188766H		0.002009	
						RPD = 36.04	
3 Hexachlorobenzene							
1	2.367	2.367	0.000	197699H		0.002408	
2	3.090	3.083	0.007	254929H		0.002576	
						RPD = 6.76	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	1329767H		0.0149	
2	3.328	3.335	-0.007	155317H		0.001662	
						RPD = 159.83	
5 beta-BHC							
1	3.068	3.082	-0.014	317360H		0.007686	
2	3.592	3.597	-0.005	624568H		0.0180	
						RPD = 80.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	3.003	3.012	-0.009	193332H		0.0914	
1	3.645	3.648	-0.003	202337H		0.1091	
1	4.218	4.215	0.003	754522H		0.0914	
1	4.298	4.298	0.000	1286226H		0.1899	
1	5.063	5.062	0.001	208807H		0.0725	
		Average of Peak Amounts =				0.1109	
2	3.713	3.718	-0.005	723473H		0.3047	
2	4.610	4.610	0.000	428044H		0.2129	
2	4.840	4.840	0.000	605547H		0.0580	
2	4.915	4.917	-0.002	194993H		0.0295	
2	5.543	5.538	0.005	252106H		0.1173	
		Average of Peak Amounts =				0.1445	
						RPD = 26.33	
7 delta-BHC							
1	3.370	3.370	0.000	197066H		0.001905	
2	3.848	3.845	0.003	815550H		0.007544	
						RPD = 119.36	
8 Heptachlor							
1	3.193	3.197	-0.004	189389H		0.002424	
2	3.928	3.918	0.010	72865H		0.000682	
						RPD = 112.19	
9 Aldrin							
1	3.510	3.505	0.005	188708H		0.001950	
2	4.213	4.212	0.001	137322H		0.001233	
						RPD = 45.04	
10 Isobenzan							
1	3.613	3.618	-0.005	133914H		0.002103	
2	4.322	4.320	0.002	347579H		0.004581	
						RPD = 74.15	
11 Heptachlor epoxide							
1	4.003	4.010	-0.007	175485H		0.001894	
2	4.577	4.583	-0.006	143009H		0.001459	
						RPD = 25.94	
12 2,4'-DDE							
1	4.218	4.220	-0.002	754522H		0.0122	
2	4.718	4.713	0.005	156477H		0.002857	
						RPD = 124.11	
13 trans-Chlordane							
1	4.190	4.213	-0.023	461714H		0.004718	
2	4.840	4.842	-0.002	605547H		0.006297	
						RPD = 28.68	
14 cis-Chlordane							
1	4.298	4.295	0.003	1286226H		0.0130	
2	4.887	4.882	0.005	138626H		0.001533	
						RPD = 157.95	
15 Endosulfan I							
1	4.348	4.340	0.008	812485H		0.008772	
2	4.915	4.913	0.002	194993H		0.002134	
						RPD = 121.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.468	4.468	0.000	441716H		0.004279	
2	4.997	4.997	0.000	102188H		0.001004	
						RPD = 123.99	
17 2,4'-DDD							
1	4.643	4.637	0.006	2930590H		0.0567	
2	5.077	5.072	0.005	297196H		0.006593	
						RPD = 158.34	
18 Dieldrin							
1	4.568	4.578	-0.010	260347H		0.002509	
2	5.117	5.113	0.004	216868H		0.002019	
						RPD = 21.63	
19 Endrin							
1	4.830	4.830	0.000	975580H		0.0105	
2	5.288	5.290	-0.002	2888947H		0.0312	
						RPD = 99.13	
20 2,4'-DDT							
1	4.862	4.858	0.004	620969H		0.0132	
2	5.317	5.308	0.009	491723H		0.009692	
						RPD = 31.00	
22 4,4'-DDD							
1	4.917	4.927	-0.010	7554876H		0.0883	
2	5.395	5.387	0.008	186569H		0.002518	
						RPD = 188.91	
23 Endosulfan II							
1	5.045	5.038	0.007	328682H		0.003584	
2	5.482	5.483	-0.001	55445H		0.000654	
						RPD = 138.31	
21 Toxaphene							
1	5.077	5.060	0.017	420228H		0.3791	
1	5.302	5.277	0.025	326807H		0.2178	
1	5.658	5.657	0.001	914188H		0.4851	
1	5.915	5.902	0.013	300951H		0.2061	
1	4.830	4.857	-0.027	975580H		1.12	
		Average of Peak Amounts =				0.4816	
2	5.512	5.537	-0.025	4879532H		4.92	
2	5.740	5.715	0.025	478078H		0.3370	
2	5.867	5.850	0.017	763360H		0.6543	
2	6.090	6.097	-0.007	314078H		0.2556	
2	6.355	6.350	0.005	471245H		0.5115	
		Average of Peak Amounts =				1.34	
						RPD = 93.96	
24 Kepone							
1	4.950	4.942	0.008	1528939H		0.0380	
2	5.543	5.542	0.001	252106H		0.007107	
						RPD = 137.03	
25 Endrin aldehyde							
1	5.208	5.212	-0.004	532600H		0.006999	
2	5.567	5.565	0.002	236507H		0.003657	
						RPD = 62.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.138	5.138	0.000	1394304H		0.0238	
2	5.620	5.613	0.007	1558136H		0.0241	
						RPD = 1.18	
27 Endosulfan sulfate							
1	5.362	5.362	0.000	60583H		0.000710	
2	5.768	5.768	0.000	430661H		0.005550	
						RPD = 154.65	
28 Methoxychlor							
1	5.628	5.633	-0.005	244723H		0.008156	
2	5.925	5.922	0.003	145217H		0.004057	
						RPD = 67.13	
29 Endrin ketone							
1	5.803	5.798	0.005	743035H		0.007979	
2	6.077	6.073	0.004	169719H		0.002136	
						RPD = 115.52	
30 Mirex							
1	5.895	5.895	0.000	298347H		0.005071	
2	6.430	6.433	-0.003	340332H		0.008081	
						RPD = 45.77	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.543	6.545	-0.002	2025497664H	20.0	21.7	
2	7.113	7.118	-0.005	1333739981H	20.0	21.6	
						RPD = 0.46	
S 32 Total DDTs							
1						0.0371	
2						0.0338	
						RPD = 9.24	
S 33 Endosulfan, Total							
1						0.0124	
2						0.002788	
						RPD = 126.36	

Reagents:

GCS_IBLK_00005 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 09:40:39 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.037.D

Injection Date: 02-Mar-2023 08:45:00 Instrument ID: 9147

Lims ID: piblk

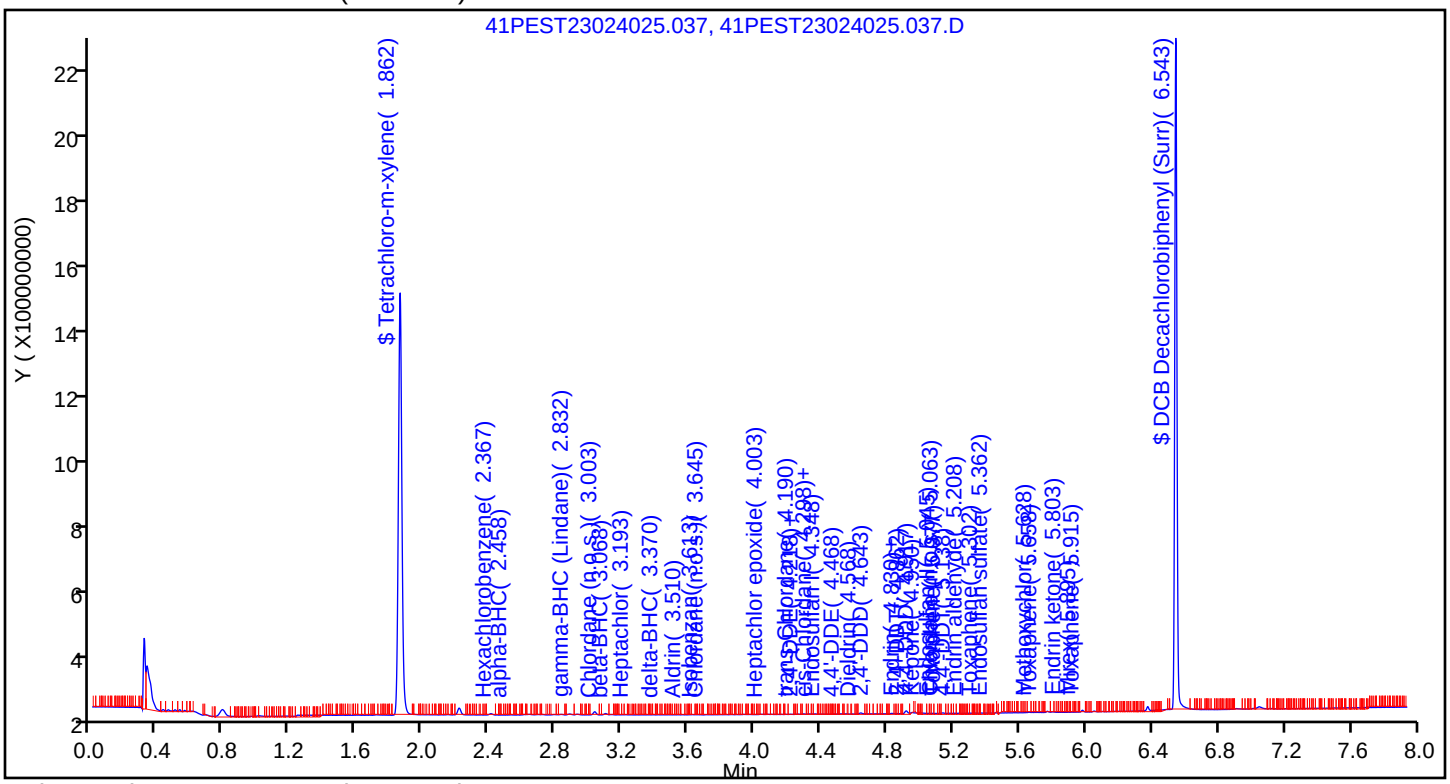
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 37

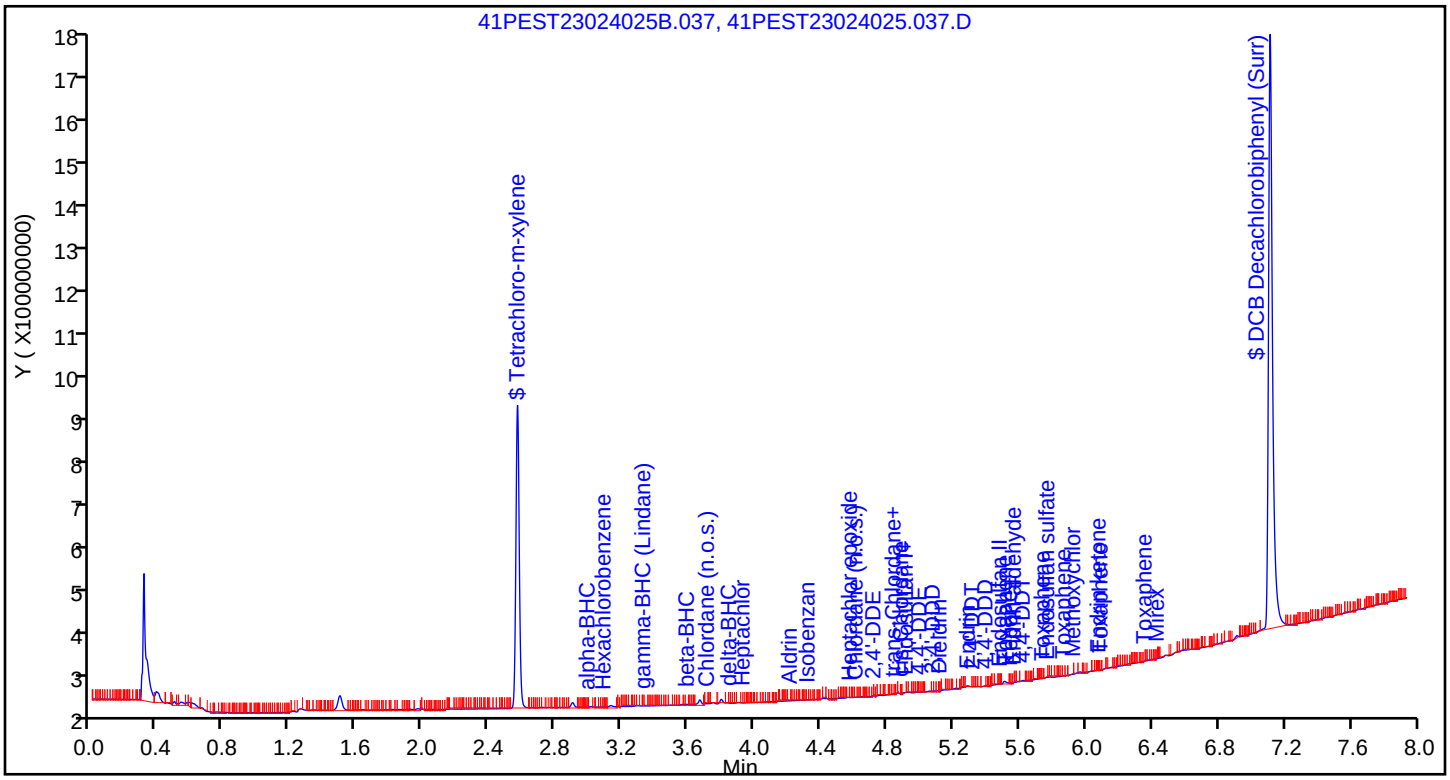
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.037.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	02-Mar-2023 08:45:00	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	02-Mar-2023 09:40:09	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1607				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	20.1	100.62
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.7	108.36

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.4	96.95
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.6	107.86

Report Date: 02-Mar-2023 09:40:39 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.037.D

Injection Date: 02-Mar-2023 08:45:00 Instrument ID: 9147

Lims ID: piblk

Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 37

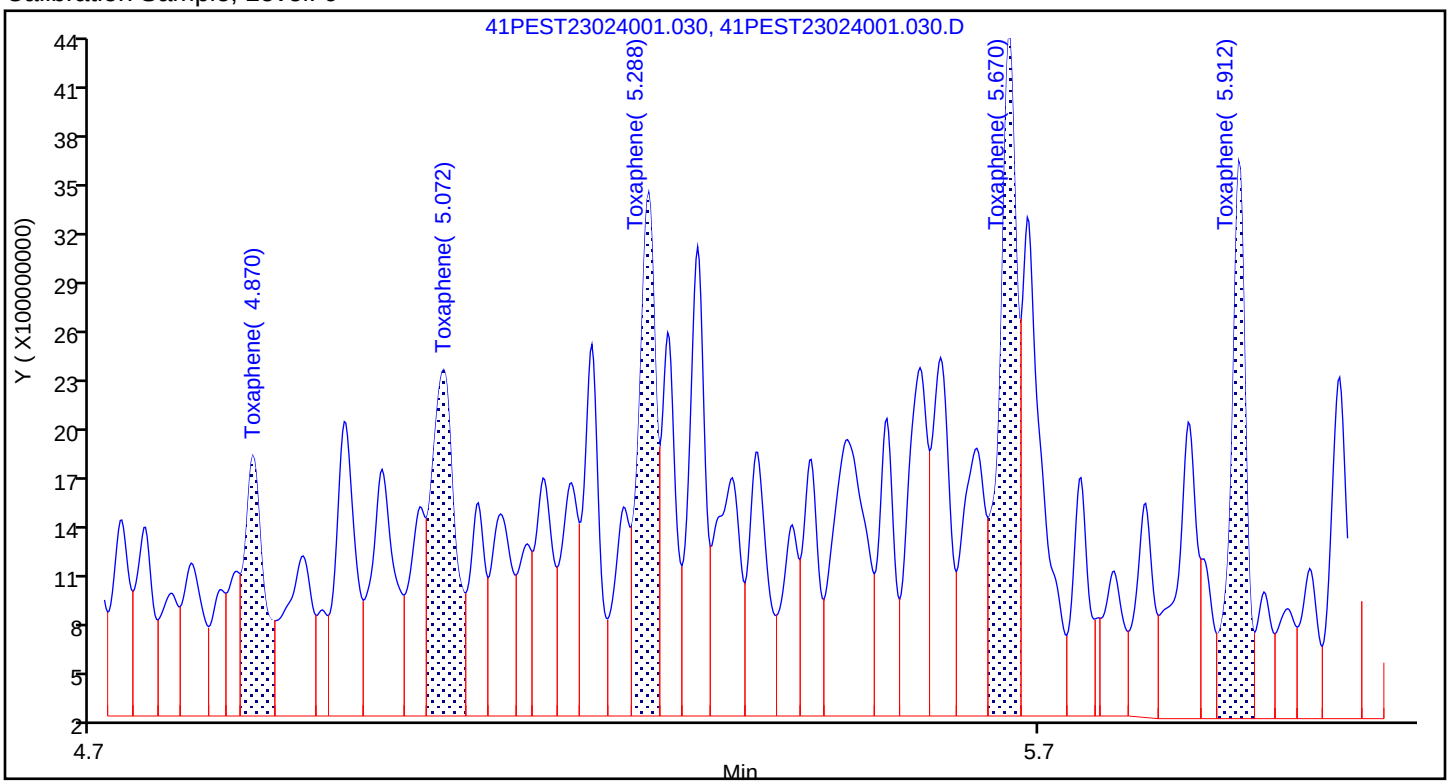
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

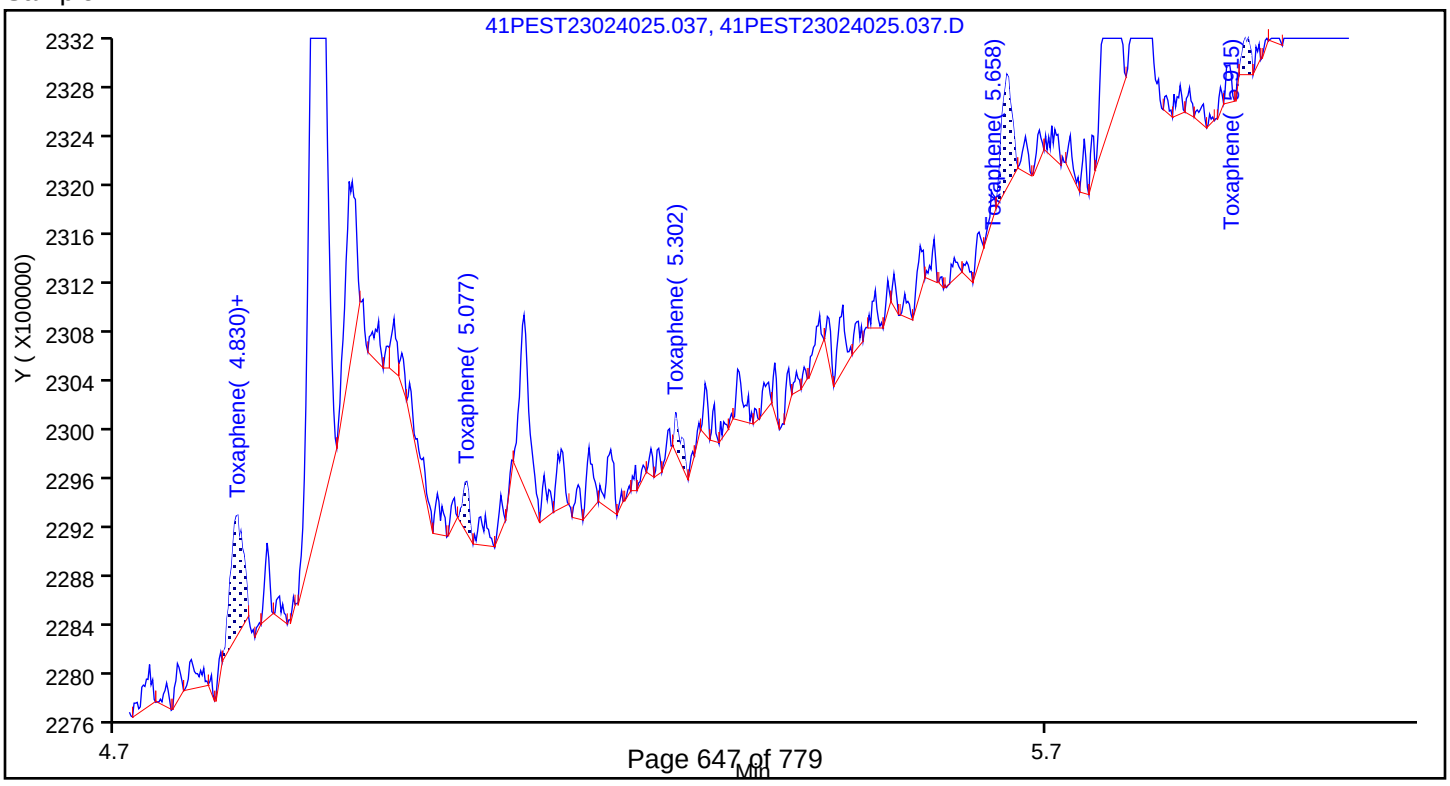
Column: Phenomenex MR2 (0.00 mm) Detector 1AECDA

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-349358/37

Matrix: Water Lab File ID: 41PEST23024025.037.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 03/02/2023 08:45

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	*Aldrin*	*ND*		*1.0*	*0.10*
319-84-6	*alpha-BHC*	*ND*		*1.0*	*0.15*
5103-71-9	*alpha-Chlordane*	*ND*		*1.0*	*0.15*
319-85-7	*beta-BHC*	*ND*		*1.5*	*0.55*
319-86-8	*delta-BHC*	*ND*		*1.0*	*0.17*
60-57-1	*Dieldrin*	*ND*		*1.5*	*0.27*
959-98-8	*Endosulfan I*	*ND*		*1.0*	*0.22*
33213-65-9	*Endosulfan II*	*ND*		*2.0*	*0.75*
1031-07-8	*Endosulfan sulfate*	*ND*		*1.5*	*0.29*
72-20-8	*Endrin*	*ND*		*1.5*	*0.41*
7421-93-4	*Endrin aldehyde*	*ND*		*5.0*	*1.0*
53494-70-5	*Endrin ketone*	*ND*		*1.5*	*0.25*
58-89-9	*gamma-BHC (Lindane)*	*ND*		*1.0*	*0.10*
5103-74-2	*gamma-Chlordane*	*ND*		*2.0*	*0.35*
76-44-8	*Heptachlor*	*ND*		*1.0*	*0.10*
1024-57-3	*Heptachlor epoxide*	*ND*		*1.0*	*0.12*
72-43-5	*Methoxychlor*	*ND*		*5.5*	*1.5*
8001-35-2	*Toxaphene*	*ND*		*50*	*15*
72-54-8	*p,p'-DDD*	*ND*		*1.5*	*0.25*
72-55-9	*p,p'-DDE*	*ND*		*1.5*	*0.25*
50-29-3	*p,p'-DDT*	*ND*		*1.5*	*0.26*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	108		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	97		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.037.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 02-Mar-2023 08:45:00 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 09:40:09 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	1272430916H	20.0	20.1	
2	2.570	2.573	-0.003	680618815H	20.0	19.4	
						RPD = 3.72	
2 alpha-BHC							
1	2.458	2.457	0.001	133131H		0.001395	
2	2.993	2.993	0.000	188766H		0.002009	
						RPD = 36.04	
3 Hexachlorobenzene							
1	2.367	2.367	0.000	197699H		0.002408	
2	3.090	3.083	0.007	254929H		0.002576	
						RPD = 6.76	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	1329767H		0.0149	
2	3.328	3.335	-0.007	155317H		0.001662	
						RPD = 159.83	
5 beta-BHC							
1	3.068	3.082	-0.014	317360H		0.007686	
2	3.592	3.597	-0.005	624568H		0.0180	
						RPD = 80.41	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	3.003	3.012	-0.009	193332H		0.0914	
1	3.645	3.648	-0.003	202337H		0.1091	
1	4.218	4.215	0.003	754522H		0.0914	
1	4.298	4.298	0.000	1286226H		0.1899	
1	5.063	5.062	0.001	208807H		0.0725	
		Average of Peak Amounts =				0.1109	
2	3.713	3.718	-0.005	723473H		0.3047	
2	4.610	4.610	0.000	428044H		0.2129	
2	4.840	4.840	0.000	605547H		0.0580	
2	4.915	4.917	-0.002	194993H		0.0295	
2	5.543	5.538	0.005	252106H		0.1173	
		Average of Peak Amounts =				0.1445	
						RPD = 26.33	
7 delta-BHC							
1	3.370	3.370	0.000	197066H		0.001905	
2	3.848	3.845	0.003	815550H		0.007544	
						RPD = 119.36	
8 Heptachlor							
1	3.193	3.197	-0.004	189389H		0.002424	
2	3.928	3.918	0.010	72865H		0.000682	
						RPD = 112.19	
9 Aldrin							
1	3.510	3.505	0.005	188708H		0.001950	
2	4.213	4.212	0.001	137322H		0.001233	
						RPD = 45.04	
10 Isobenzan							
1	3.613	3.618	-0.005	133914H		0.002103	
2	4.322	4.320	0.002	347579H		0.004581	
						RPD = 74.15	
11 Heptachlor epoxide							
1	4.003	4.010	-0.007	175485H		0.001894	
2	4.577	4.583	-0.006	143009H		0.001459	
						RPD = 25.94	
12 2,4'-DDE							
1	4.218	4.220	-0.002	754522H		0.0122	
2	4.718	4.713	0.005	156477H		0.002857	
						RPD = 124.11	
13 trans-Chlordane							
1	4.190	4.213	-0.023	461714H		0.004718	
2	4.840	4.842	-0.002	605547H		0.006297	
						RPD = 28.68	
14 cis-Chlordane							
1	4.298	4.295	0.003	1286226H		0.0130	
2	4.887	4.882	0.005	138626H		0.001533	
						RPD = 157.95	
15 Endosulfan I							
1	4.348	4.340	0.008	812485H		0.008772	
2	4.915	4.913	0.002	194993H		0.002134	
						RPD = 121.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.468	4.468	0.000	441716H		0.004279	
2	4.997	4.997	0.000	102188H		0.001004	
						RPD = 123.99	
17 2,4'-DDD							
1	4.643	4.637	0.006	2930590H		0.0567	
2	5.077	5.072	0.005	297196H		0.006593	
						RPD = 158.34	
18 Dieldrin							
1	4.568	4.578	-0.010	260347H		0.002509	
2	5.117	5.113	0.004	216868H		0.002019	
						RPD = 21.63	
19 Endrin							
1	4.830	4.830	0.000	975580H		0.0105	
2	5.288	5.290	-0.002	2888947H		0.0312	
						RPD = 99.13	
20 2,4'-DDT							
1	4.862	4.858	0.004	620969H		0.0132	
2	5.317	5.308	0.009	491723H		0.009692	
						RPD = 31.00	
22 4,4'-DDD							
1	4.917	4.927	-0.010	7554876H		0.0883	
2	5.395	5.387	0.008	186569H		0.002518	
						RPD = 188.91	
23 Endosulfan II							
1	5.045	5.038	0.007	328682H		0.003584	
2	5.482	5.483	-0.001	55445H		0.000654	
						RPD = 138.31	
21 Toxaphene							
1	5.077	5.060	0.017	420228H		0.3791	
1	5.302	5.277	0.025	326807H		0.2178	
1	5.658	5.657	0.001	914188H		0.4851	
1	5.915	5.902	0.013	300951H		0.2061	
1	4.830	4.857	-0.027	975580H		1.12	
		Average of Peak Amounts =				0.4816	
2	5.512	5.537	-0.025	4879532H		4.92	
2	5.740	5.715	0.025	478078H		0.3370	
2	5.867	5.850	0.017	763360H		0.6543	
2	6.090	6.097	-0.007	314078H		0.2556	
2	6.355	6.350	0.005	471245H		0.5115	
		Average of Peak Amounts =				1.34	
						RPD = 93.96	
24 Kepone							
1	4.950	4.942	0.008	1528939H		0.0380	
2	5.543	5.542	0.001	252106H		0.007107	
						RPD = 137.03	
25 Endrin aldehyde							
1	5.208	5.212	-0.004	532600H		0.006999	
2	5.567	5.565	0.002	236507H		0.003657	
						RPD = 62.72	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.138	5.138	0.000	1394304H		0.0238	
2	5.620	5.613	0.007	1558136H		0.0241	
						RPD = 1.18	
27 Endosulfan sulfate							
1	5.362	5.362	0.000	60583H		0.000710	
2	5.768	5.768	0.000	430661H		0.005550	
						RPD = 154.65	
28 Methoxychlor							
1	5.628	5.633	-0.005	244723H		0.008156	
2	5.925	5.922	0.003	145217H		0.004057	
						RPD = 67.13	
29 Endrin ketone							
1	5.803	5.798	0.005	743035H		0.007979	
2	6.077	6.073	0.004	169719H		0.002136	
						RPD = 115.52	
30 Mirex							
1	5.895	5.895	0.000	298347H		0.005071	
2	6.430	6.433	-0.003	340332H		0.008081	
						RPD = 45.77	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.543	6.545	-0.002	2025497664H	20.0	21.7	
2	7.113	7.118	-0.005	1333739981H	20.0	21.6	
						RPD = 0.46	
S 32 Total DDTs							
1						0.0371	
2						0.0338	
						RPD = 9.24	
S 33 Endosulfan, Total							
1						0.0124	
2						0.002788	
						RPD = 126.36	

Reagents:

GCS_IBLK_00005 Amount Added: 1.00 Units: mL

Report Date: 02-Mar-2023 09:40:40 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.037.D

Injection Date: 02-Mar-2023 08:45:00 Instrument ID: 9147

Lims ID: piblk

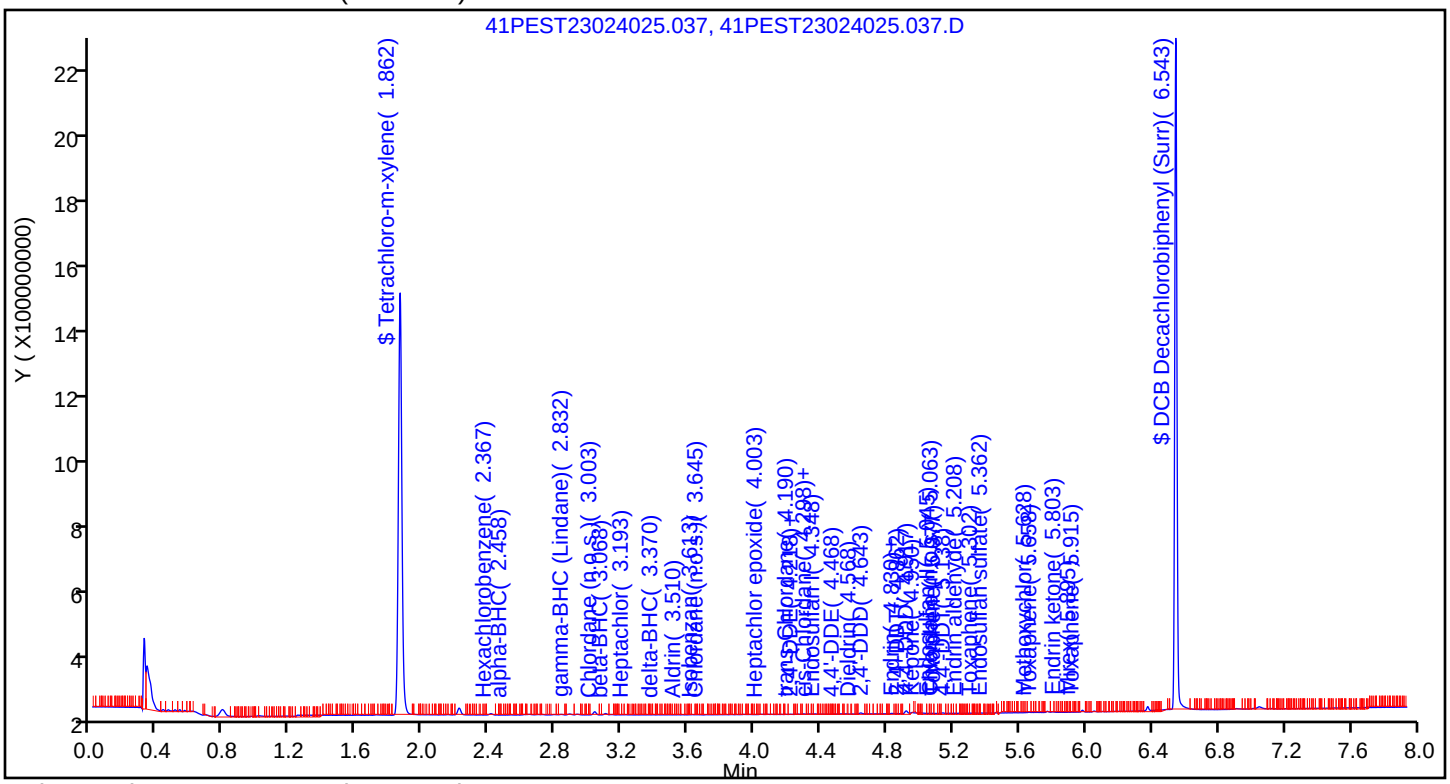
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 37

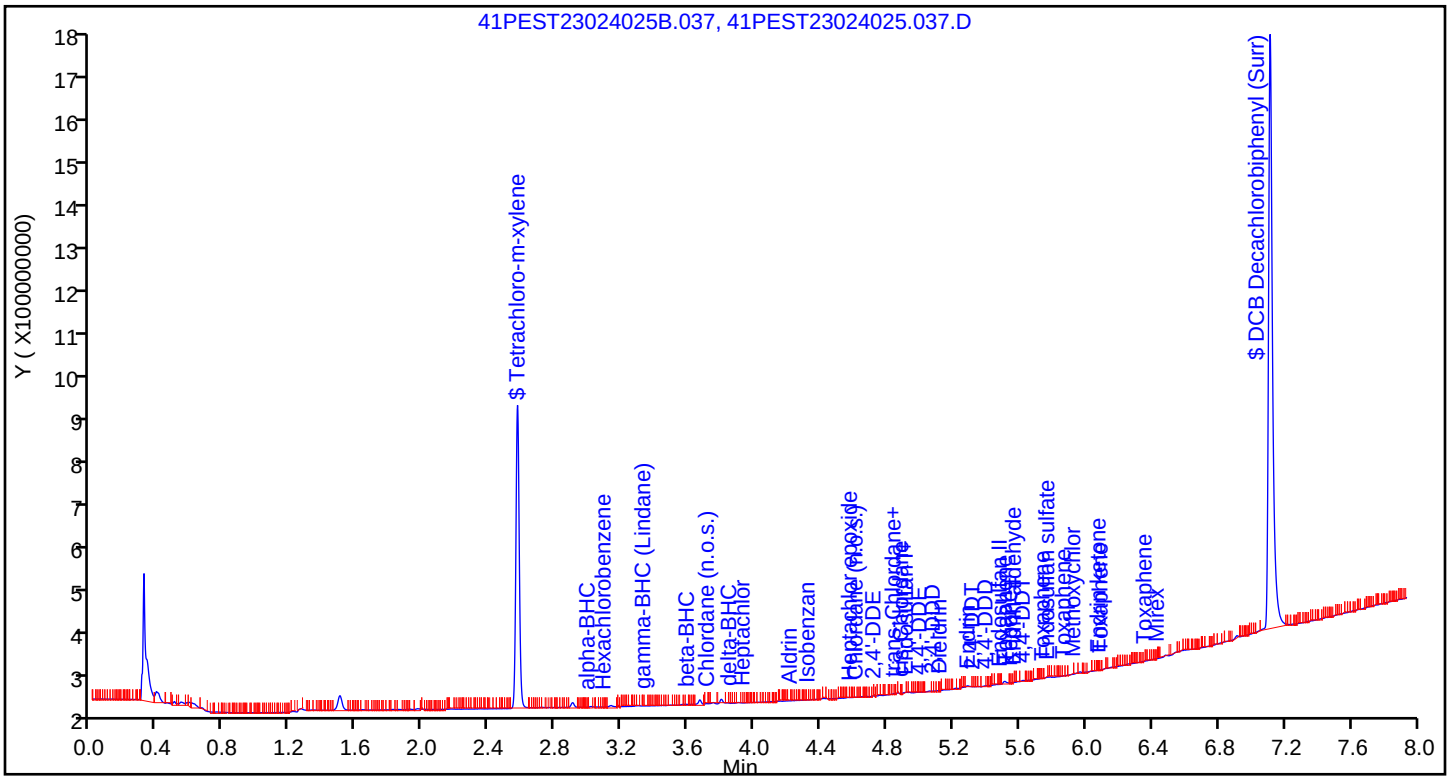
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.037.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	02-Mar-2023 08:45:00	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	02-Mar-2023 09:40:09	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1607				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	20.1	100.62
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.7	108.36

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.4	96.95
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.6	107.86

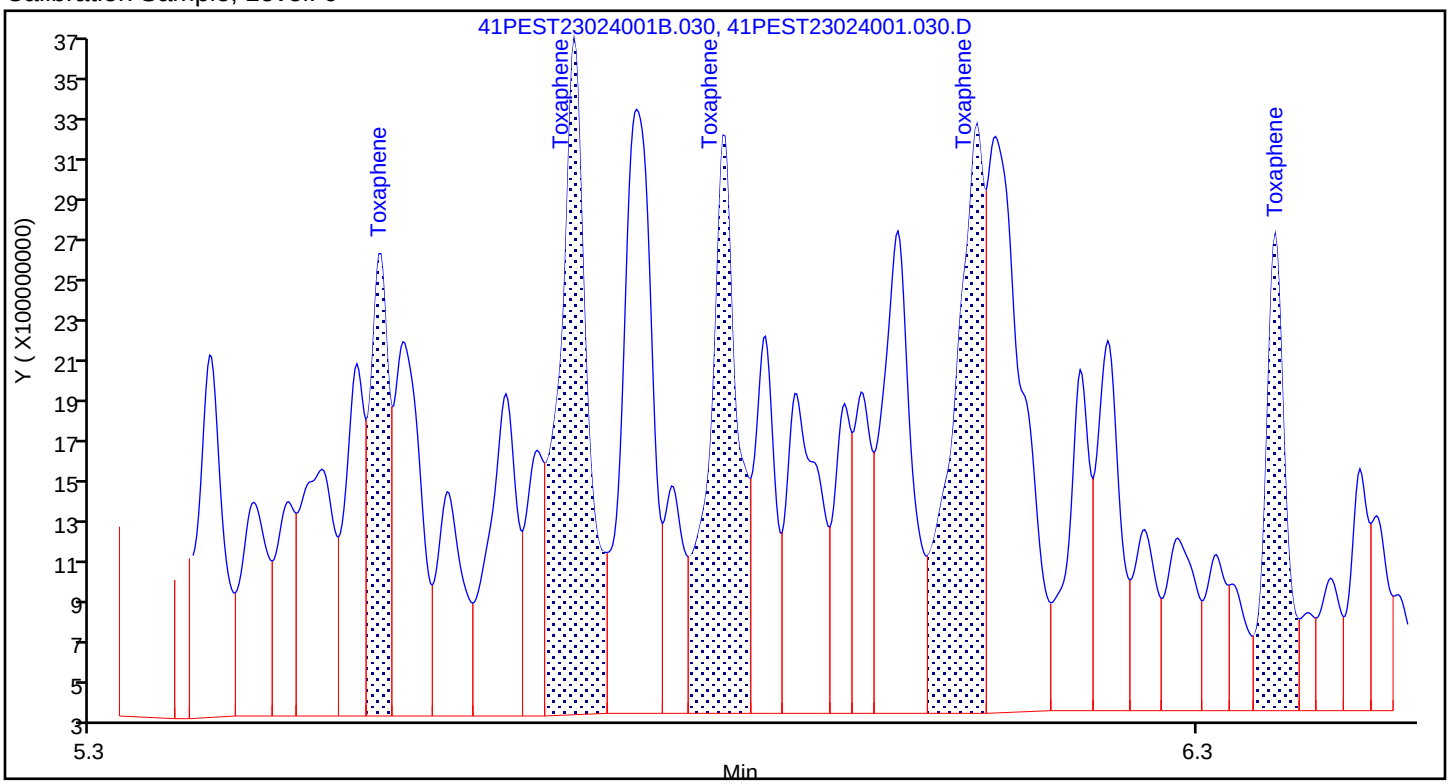
Report Date: 02-Mar-2023 09:40:40 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

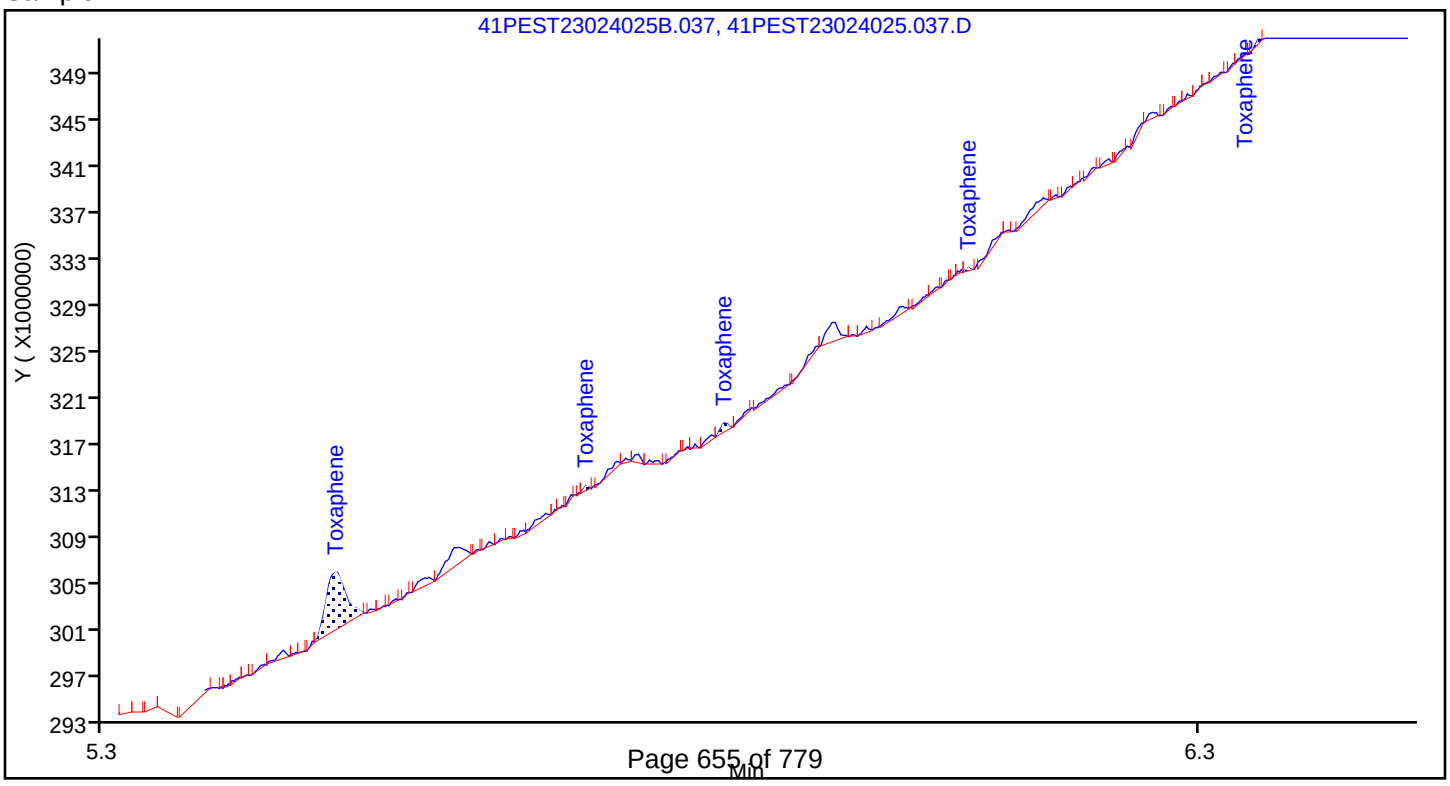
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.037.D				
Injection Date:	02-Mar-2023 08:45:00	Instrument ID:	9147		
Lims ID:	piblk				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	2BECDB		

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-349358/65

Matrix: Water Lab File ID: 41PEST23024025.065.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 03/02/2023 15:36

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		1.0	0.10
319-84-6	alpha-BHC	ND		1.0	0.15
5103-71-9	alpha-Chlordane	ND		1.0	0.15
319-85-7	beta-BHC	ND		1.5	0.55
319-86-8	delta-BHC	ND		1.0	0.17
60-57-1	Dieldrin	ND		1.5	0.27
959-98-8	Endosulfan I	ND		1.0	0.22
33213-65-9	Endosulfan II	ND		2.0	0.75
1031-07-8	Endosulfan sulfate	ND		1.5	0.29
72-20-8	Endrin	ND		1.5	0.41
7421-93-4	Endrin aldehyde	ND		5.0	1.0
53494-70-5	Endrin ketone	ND		1.5	0.25
58-89-9	gamma-BHC (Lindane)	ND		1.0	0.10
5103-74-2	gamma-Chlordane	ND		2.0	0.35
76-44-8	Heptachlor	ND		1.0	0.10
1024-57-3	Heptachlor epoxide	ND		1.0	0.12
72-43-5	Methoxychlor	ND		5.5	1.5
8001-35-2	Toxaphene	ND		50	15
72-54-8	p,p'-DDD	ND		1.5	0.25
72-55-9	p,p'-DDE	ND		1.5	0.25
50-29-3	p,p'-DDT	ND		1.5	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	108		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	99		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.065.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 02-Mar-2023 15:36:00 ALS Bottle#: 0 Worklist Smp#: 65
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:30:29 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	1247674410H	20.0	19.8	
2	2.570	2.573	-0.003	673183032H	20.0	19.2	
						RPD = 2.85	
2 alpha-BHC							
1	2.453	2.457	-0.004	209123H		0.002192	
2	2.995	2.993	0.002	127899H		0.001361	
						RPD = 46.76	
3 Hexachlorobenzene							
1	2.365	2.367	-0.002	98706H		0.001202	
2	3.087	3.083	0.004	182871H		0.001848	
						RPD = 42.35	
4 gamma-BHC (Lindane)							
1	2.835	2.830	0.005	1241759H		0.0139	
2	3.333	3.335	-0.002	434470H		0.004648	
						RPD = 99.77	
5 beta-BHC							
1	3.077	3.082	-0.005	87731H		0.002125	
2	3.588	3.597	-0.009	1006950H		0.0291	
						RPD = 172.74	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	3.013	3.012	0.001	118714H		0.0562	
1	3.650	3.648	0.002	239367H		0.1291	
1	4.225	4.215	0.010	1469485H		0.1779	
1	4.298	4.298	0.000	2937954H		0.4338	
1	5.065	5.062	0.003	359563H		0.1248	
		Average of Peak Amounts =				0.1843	
2	3.717	3.718	-0.001	370496H		0.1561	
2	4.605	4.610	-0.005	169838H		0.0845	
2	4.840	4.840	0.000	5708471H		0.5464	
2	4.915	4.917	-0.002	7002824H		1.06	
2	5.552	5.538	0.014	136351H		0.0634	
		Average of Peak Amounts =				0.3822	
						RPD = 69.84	
7 delta-BHC							
1	3.367	3.370	-0.003	237453H		0.002295	
2	3.835	3.845	-0.010	1120851H		0.0104	
						RPD = 127.50	
8 Heptachlor							
1	3.192	3.197	-0.005	376698H		0.004822	
2	3.917	3.918	-0.001	373466H		0.003495	
						RPD = 31.91	
9 Aldrin							
1	3.500	3.505	-0.005	187104H		0.001933	
2	4.215	4.212	0.003	216490H		0.001944	
						RPD = 0.55	
10 Isobenzan							
1	3.612	3.618	-0.006	106832H		0.001678	
2	4.322	4.320	0.002	283350H		0.003735	
						RPD = 76.01	
11 Heptachlor epoxide							
1	4.012	4.010	0.002	99872H		0.001078	
2	4.582	4.583	-0.001	657469H		0.006708	
						RPD = 144.62	
12 2,4'-DDE							
1	4.225	4.220	0.005	1469485H		0.0238	
2	4.712	4.713	-0.001	1597243H		0.0292	
						RPD = 20.41	
13 trans-Chlordane							
1	4.192	4.213	-0.021	393875H		0.004024	
2	4.840	4.842	-0.002	5708471H		0.0594	
						RPD = 174.60	
14 cis-Chlordane							
1	4.298	4.295	0.003	2937954H		0.0298	
2	4.868	4.882	-0.014	6489341H		0.0718	
						RPD = 82.62	
15 Endosulfan I							
1	4.333	4.340	-0.007	1395277H		0.0151	
2	4.915	4.913	0.002	7002824H		0.0767	
						RPD = 134.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.468	4.468	0.000	397487H		0.003850	
2	4.992	4.997	-0.005	980379H		0.009630	
						RPD = 85.75	
17 2,4'-DDD							
1	4.645	4.637	0.008	5701430H		0.1103	
2	5.058	5.072	-0.014	4597532H		0.1020	
						RPD = 7.86	
18 Dieldrin							
1	4.580	4.578	0.002	204420H		0.001970	
2	5.115	5.113	0.002	239269H		0.002228	
						RPD = 12.28	
19 Endrin							
1	4.827	4.830	-0.003	507911H		0.005483	
2	5.288	5.290	-0.002	1472610H		0.0159	
						RPD = 97.53	
20 2,4'-DDT							
1	4.862	4.858	0.004	475085H		0.0101	
2	5.310	5.308	0.002	786209H		0.0155	
						RPD = 41.83	
22 4,4'-DDD							
1	4.918	4.927	-0.009	16593334H		0.1940	
2	5.393	5.387	0.006	691788H		0.009337	
						RPD = 181.63	
23 Endosulfan II							
1	5.040	5.038	0.002	415069H		0.004527	
2	5.480	5.483	-0.003	468734H		0.005526	
						RPD = 19.88	
21 Toxaphene							
1	5.040	5.060	-0.020	415069H		0.3744	
1	5.263	5.277	-0.014	419656H		0.2797	
1	5.645	5.657	-0.012	1651364H		0.8764	
1	5.893	5.902	-0.009	229555H		0.1572	
1	4.862	4.857	0.005	475085H		0.5455	
		Average of Peak Amounts =				0.4466	
2	5.512	5.537	-0.025	9976649H		10.1	
2	5.702	5.715	-0.013	383071H		0.2701	
2	5.847	5.850	-0.003	771165H		0.6610	
2	6.123	6.097	0.026	655021H		0.5330	
2	6.332	6.350	-0.018	316433H		0.3435	
		Average of Peak Amounts =				2.37	
						RPD = 136.63	
24 Kepone							
1	4.962	4.942	0.020	255116H		0.006347	
2	5.552	5.542	0.010	136351H		0.003844	
						RPD = 49.13	
25 Endrin aldehyde							
1	5.210	5.212	-0.002	171164H		0.002249	
2	5.560	5.565	-0.005	477004H		0.007377	
						RPD = 106.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.140	5.138	0.002	2073147H		0.0354	
2	5.622	5.613	0.009	2179891H		0.0337	
						RPD = 4.90	
27 Endosulfan sulfate							
1	5.357	5.362	-0.005	296801H		0.003477	
2	5.777	5.768	0.009	1655494H		0.0213	
						RPD = 143.95	
28 Methoxychlor							
1	5.645	5.633	0.012	1651364H		0.0550	
2	5.915	5.922	-0.007	140076H		0.003913	
						RPD = 173.45	
29 Endrin ketone							
1	5.805	5.798	0.007	418045H		0.004489	
2	6.080	6.073	0.007	530433H		0.006677	
						RPD = 39.19	
30 Mirex							
1	5.893	5.895	-0.002	229555H		0.003902	
2	6.433	6.433	0.000	276198H		0.006558	
						RPD = 50.79	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	2014803953H	20.0	21.6	
2	7.115	7.118	-0.003	1308821809H	20.0	21.2	
						RPD = 1.81	
S 32 Total DDTs							
1						0.0455	
2						0.0492	
						RPD = 7.74	
S 33 Endosulfan, Total							
1						0.0196	
2						0.0822	
						RPD = 123.00	

Reagents:

GCS_IBLK_00005 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:30:46 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.065.D

Injection Date: 02-Mar-2023 15:36:00 Instrument ID: 9147

Lims ID: piblk

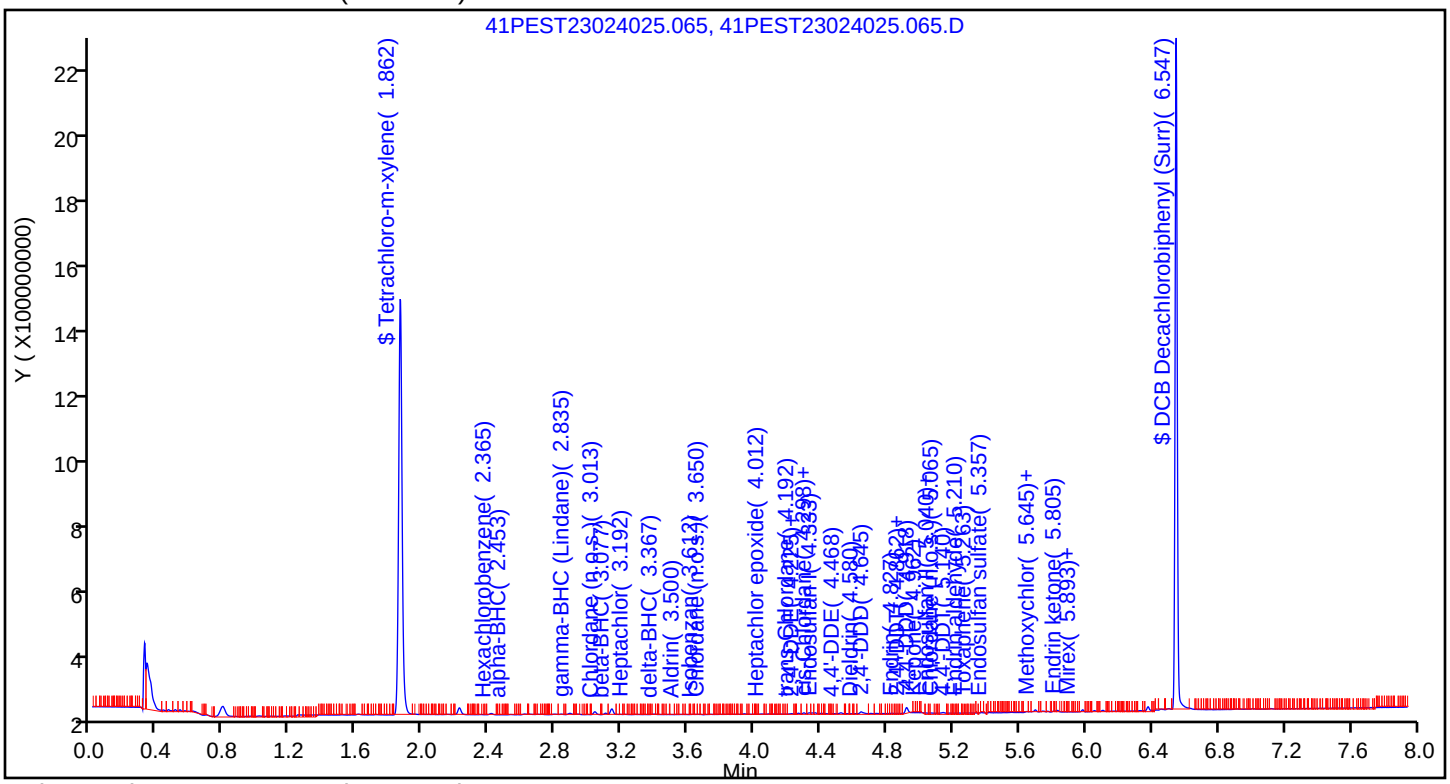
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 65

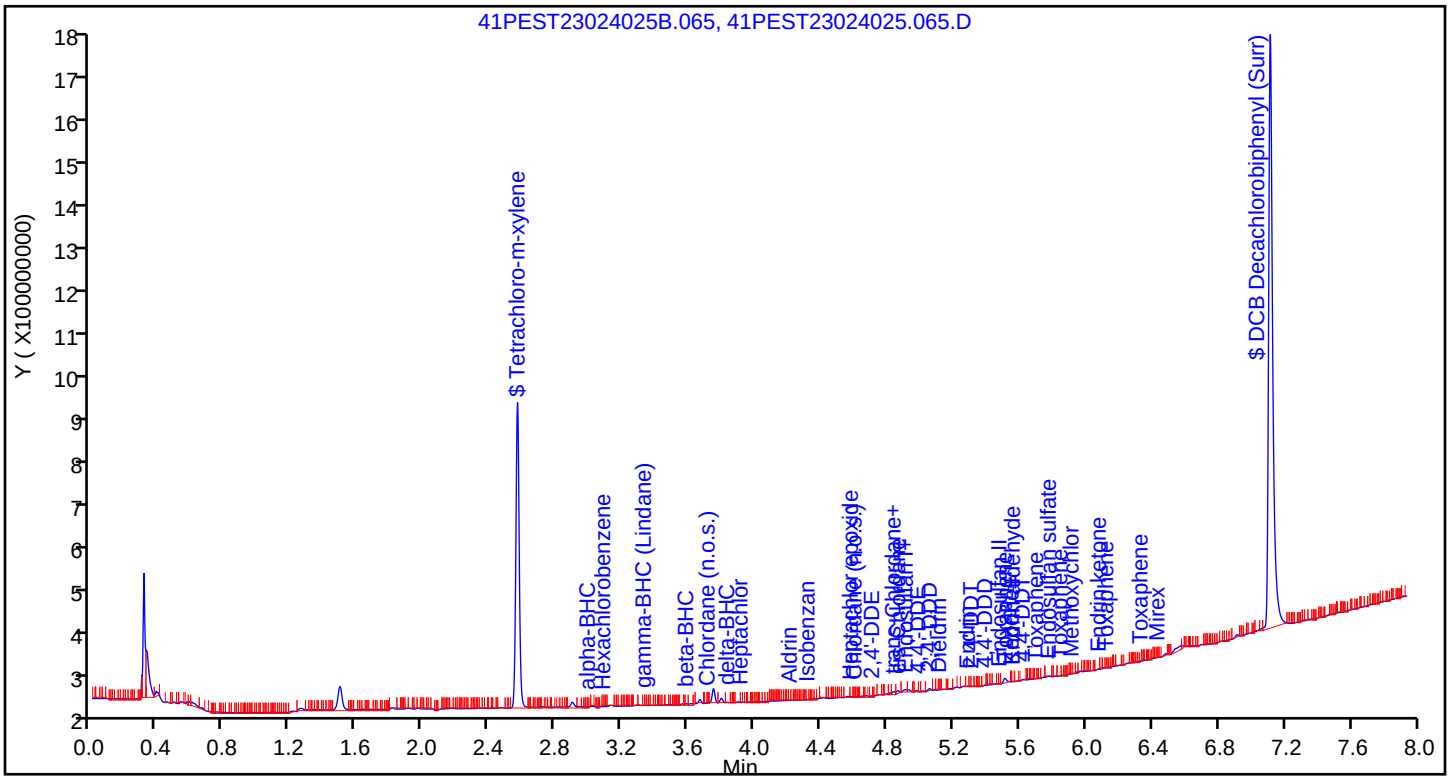
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.065.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	02-Mar-2023 15:36:00	ALS Bottle#:	0	Worklist Smp#:	65
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:30:29	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.8	98.66
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.6	107.78

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.2	95.89
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.2	105.85

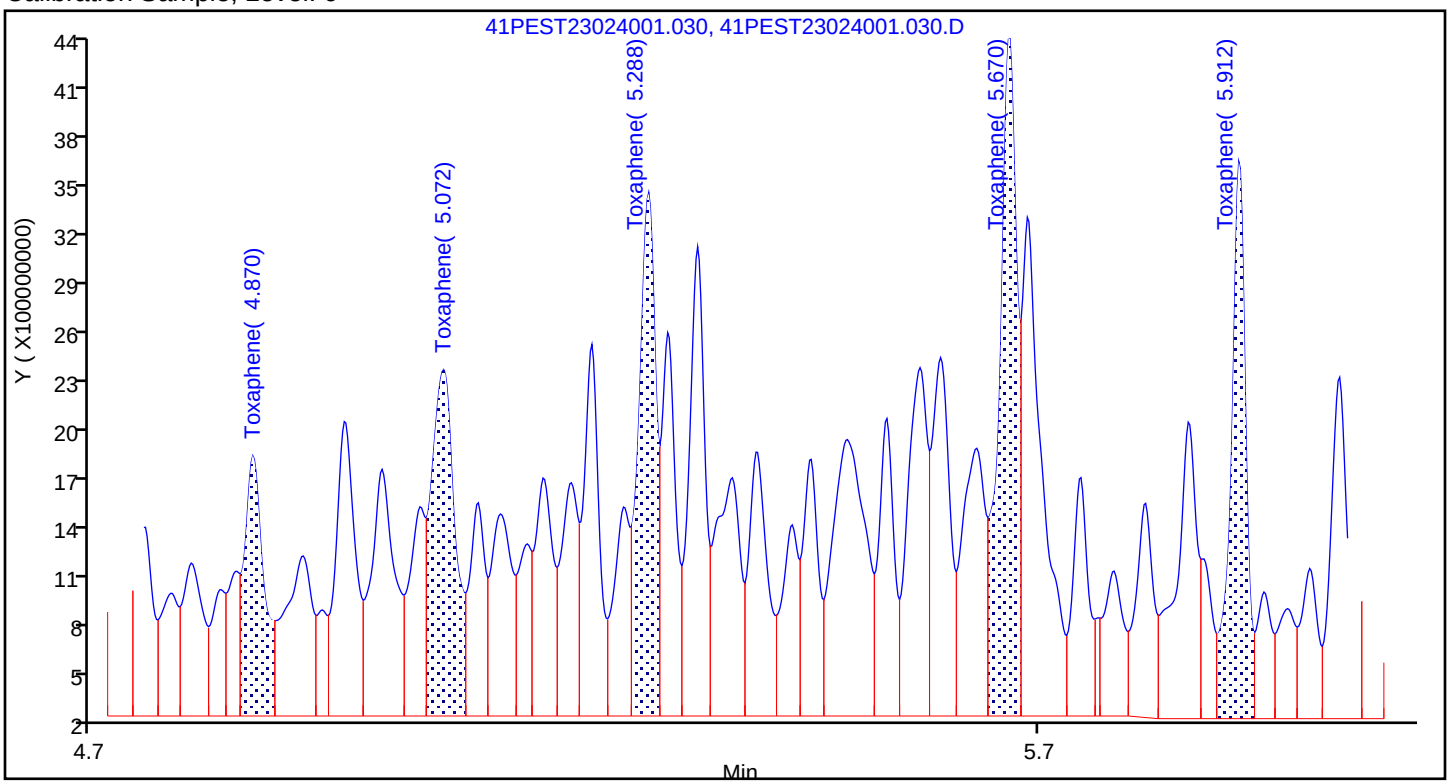
Report Date: 03-Mar-2023 06:30:47 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

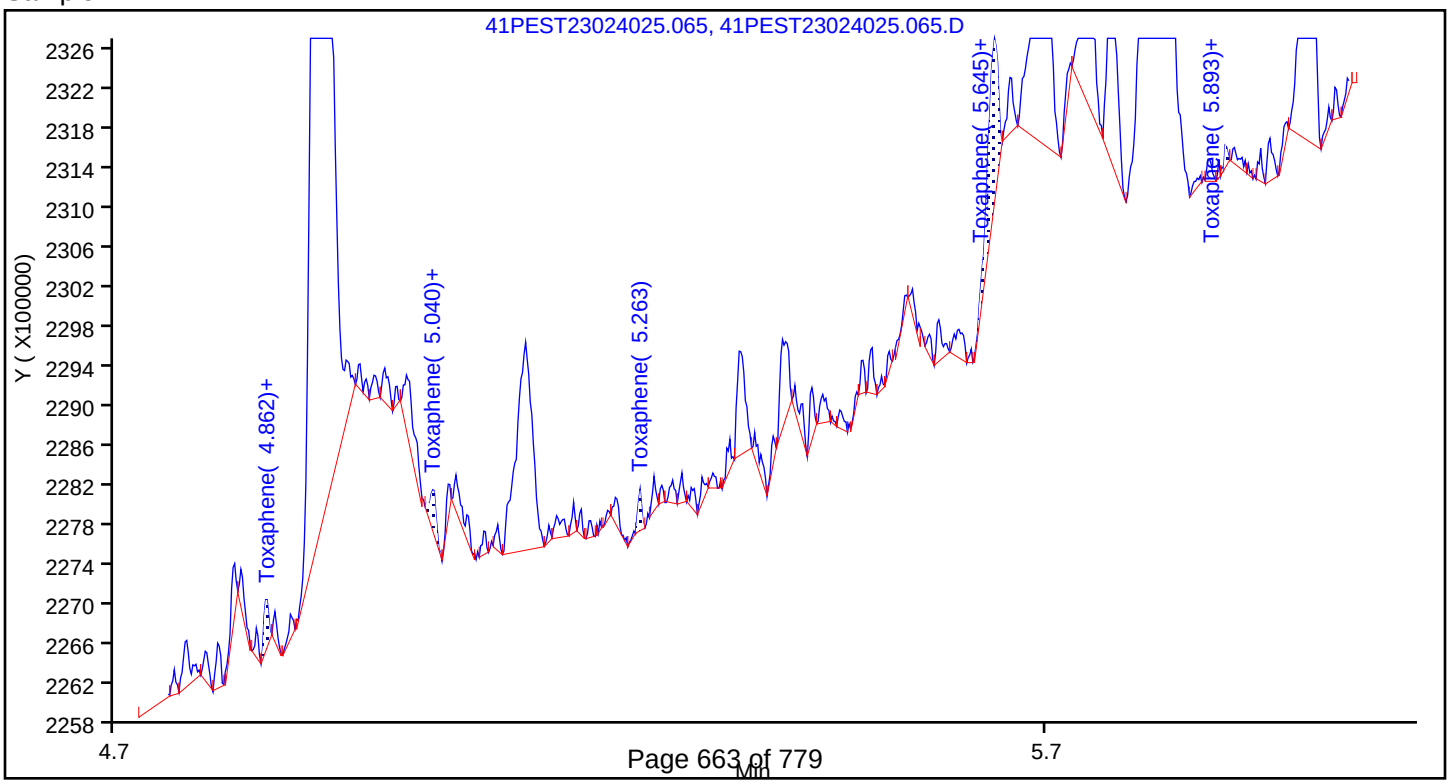
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.065.D				
Injection Date:	02-Mar-2023 15:36:00	Instrument ID:	9147		
Lims ID:	piblk				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	65
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	1AECDA		

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-349358/65

Matrix: Water Lab File ID: 41PEST23024025.065.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 03/02/2023 15:36

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	*Aldrin*	*ND*		*1.0*	*0.10*
319-84-6	*alpha-BHC*	*ND*		*1.0*	*0.15*
5103-71-9	*alpha-Chlordane*	*ND*		*1.0*	*0.15*
319-85-7	*beta-BHC*	*ND*		*1.5*	*0.55*
319-86-8	*delta-BHC*	*ND*		*1.0*	*0.17*
60-57-1	*Dieldrin*	*ND*		*1.5*	*0.27*
959-98-8	*Endosulfan I*	*ND*		*1.0*	*0.22*
33213-65-9	*Endosulfan II*	*ND*		*2.0*	*0.75*
1031-07-8	*Endosulfan sulfate*	*ND*		*1.5*	*0.29*
72-20-8	*Endrin*	*ND*		*1.5*	*0.41*
7421-93-4	*Endrin aldehyde*	*ND*		*5.0*	*1.0*
53494-70-5	*Endrin ketone*	*ND*		*1.5*	*0.25*
58-89-9	*gamma-BHC (Lindane)*	*ND*		*1.0*	*0.10*
5103-74-2	*gamma-Chlordane*	*ND*		*2.0*	*0.35*
76-44-8	*Heptachlor*	*ND*		*1.0*	*0.10*
1024-57-3	*Heptachlor epoxide*	*ND*		*1.0*	*0.12*
72-43-5	*Methoxychlor*	*ND*		*5.5*	*1.5*
8001-35-2	*Toxaphene*	*ND*		*50*	*15*
72-54-8	*p,p'-DDD*	*ND*		*1.5*	*0.25*
72-55-9	*p,p'-DDE*	*ND*		*1.5*	*0.25*
50-29-3	*p,p'-DDT*	*ND*		*1.5*	*0.26*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	106		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	96		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.065.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 02-Mar-2023 15:36:00 ALS Bottle#: 0 Worklist Smp#: 65
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:30:29 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	1247674410H	20.0	19.8	
2	2.570	2.573	-0.003	673183032H	20.0	19.2	
						RPD = 2.85	
2 alpha-BHC							
1	2.453	2.457	-0.004	209123H		0.002192	
2	2.995	2.993	0.002	127899H		0.001361	
						RPD = 46.76	
3 Hexachlorobenzene							
1	2.365	2.367	-0.002	98706H		0.001202	
2	3.087	3.083	0.004	182871H		0.001848	
						RPD = 42.35	
4 gamma-BHC (Lindane)							
1	2.835	2.830	0.005	1241759H		0.0139	
2	3.333	3.335	-0.002	434470H		0.004648	
						RPD = 99.77	
5 beta-BHC							
1	3.077	3.082	-0.005	87731H		0.002125	
2	3.588	3.597	-0.009	1006950H		0.0291	
						RPD = 172.74	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	3.013	3.012	0.001	118714H		0.0562	
1	3.650	3.648	0.002	239367H		0.1291	
1	4.225	4.215	0.010	1469485H		0.1779	
1	4.298	4.298	0.000	2937954H		0.4338	
1	5.065	5.062	0.003	359563H		0.1248	
		Average of Peak Amounts =				0.1843	
2	3.717	3.718	-0.001	370496H		0.1561	
2	4.605	4.610	-0.005	169838H		0.0845	
2	4.840	4.840	0.000	5708471H		0.5464	
2	4.915	4.917	-0.002	7002824H		1.06	
2	5.552	5.538	0.014	136351H		0.0634	
		Average of Peak Amounts =				0.3822	
						RPD = 69.84	
7 delta-BHC							
1	3.367	3.370	-0.003	237453H		0.002295	
2	3.835	3.845	-0.010	1120851H		0.0104	
						RPD = 127.50	
8 Heptachlor							
1	3.192	3.197	-0.005	376698H		0.004822	
2	3.917	3.918	-0.001	373466H		0.003495	
						RPD = 31.91	
9 Aldrin							
1	3.500	3.505	-0.005	187104H		0.001933	
2	4.215	4.212	0.003	216490H		0.001944	
						RPD = 0.55	
10 Isobenzan							
1	3.612	3.618	-0.006	106832H		0.001678	
2	4.322	4.320	0.002	283350H		0.003735	
						RPD = 76.01	
11 Heptachlor epoxide							
1	4.012	4.010	0.002	99872H		0.001078	
2	4.582	4.583	-0.001	657469H		0.006708	
						RPD = 144.62	
12 2,4'-DDE							
1	4.225	4.220	0.005	1469485H		0.0238	
2	4.712	4.713	-0.001	1597243H		0.0292	
						RPD = 20.41	
13 trans-Chlordane							
1	4.192	4.213	-0.021	393875H		0.004024	
2	4.840	4.842	-0.002	5708471H		0.0594	
						RPD = 174.60	
14 cis-Chlordane							
1	4.298	4.295	0.003	2937954H		0.0298	
2	4.868	4.882	-0.014	6489341H		0.0718	
						RPD = 82.62	
15 Endosulfan I							
1	4.333	4.340	-0.007	1395277H		0.0151	
2	4.915	4.913	0.002	7002824H		0.0767	
						RPD = 134.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.468	4.468	0.000	397487H		0.003850	
2	4.992	4.997	-0.005	980379H		0.009630	
						RPD = 85.75	
17 2,4'-DDD							
1	4.645	4.637	0.008	5701430H		0.1103	
2	5.058	5.072	-0.014	4597532H		0.1020	
						RPD = 7.86	
18 Dieldrin							
1	4.580	4.578	0.002	204420H		0.001970	
2	5.115	5.113	0.002	239269H		0.002228	
						RPD = 12.28	
19 Endrin							
1	4.827	4.830	-0.003	507911H		0.005483	
2	5.288	5.290	-0.002	1472610H		0.0159	
						RPD = 97.53	
20 2,4'-DDT							
1	4.862	4.858	0.004	475085H		0.0101	
2	5.310	5.308	0.002	786209H		0.0155	
						RPD = 41.83	
22 4,4'-DDD							
1	4.918	4.927	-0.009	16593334H		0.1940	
2	5.393	5.387	0.006	691788H		0.009337	
						RPD = 181.63	
23 Endosulfan II							
1	5.040	5.038	0.002	415069H		0.004527	
2	5.480	5.483	-0.003	468734H		0.005526	
						RPD = 19.88	
21 Toxaphene							
1	5.040	5.060	-0.020	415069H		0.3744	
1	5.263	5.277	-0.014	419656H		0.2797	
1	5.645	5.657	-0.012	1651364H		0.8764	
1	5.893	5.902	-0.009	229555H		0.1572	
1	4.862	4.857	0.005	475085H		0.5455	
		Average of Peak Amounts =				0.4466	
2	5.512	5.537	-0.025	9976649H		10.1	
2	5.702	5.715	-0.013	383071H		0.2701	
2	5.847	5.850	-0.003	771165H		0.6610	
2	6.123	6.097	0.026	655021H		0.5330	
2	6.332	6.350	-0.018	316433H		0.3435	
		Average of Peak Amounts =				2.37	
						RPD = 136.63	
24 Kepone							
1	4.962	4.942	0.020	255116H		0.006347	
2	5.552	5.542	0.010	136351H		0.003844	
						RPD = 49.13	
25 Endrin aldehyde							
1	5.210	5.212	-0.002	171164H		0.002249	
2	5.560	5.565	-0.005	477004H		0.007377	
						RPD = 106.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.140	5.138	0.002	2073147H		0.0354	
2	5.622	5.613	0.009	2179891H		0.0337	
						RPD = 4.90	
27 Endosulfan sulfate							
1	5.357	5.362	-0.005	296801H		0.003477	
2	5.777	5.768	0.009	1655494H		0.0213	
						RPD = 143.95	
28 Methoxychlor							
1	5.645	5.633	0.012	1651364H		0.0550	
2	5.915	5.922	-0.007	140076H		0.003913	
						RPD = 173.45	
29 Endrin ketone							
1	5.805	5.798	0.007	418045H		0.004489	
2	6.080	6.073	0.007	530433H		0.006677	
						RPD = 39.19	
30 Mirex							
1	5.893	5.895	-0.002	229555H		0.003902	
2	6.433	6.433	0.000	276198H		0.006558	
						RPD = 50.79	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	2014803953H	20.0	21.6	
2	7.115	7.118	-0.003	1308821809H	20.0	21.2	
						RPD = 1.81	
S 32 Total DDTs							
1						0.0455	
2						0.0492	
						RPD = 7.74	
S 33 Endosulfan, Total							
1						0.0196	
2						0.0822	
						RPD = 123.00	

Reagents:

GCS_IBLK_00005 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:30:47 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.065.D

Injection Date: 02-Mar-2023 15:36:00 Instrument ID: 9147

Lims ID: piblk

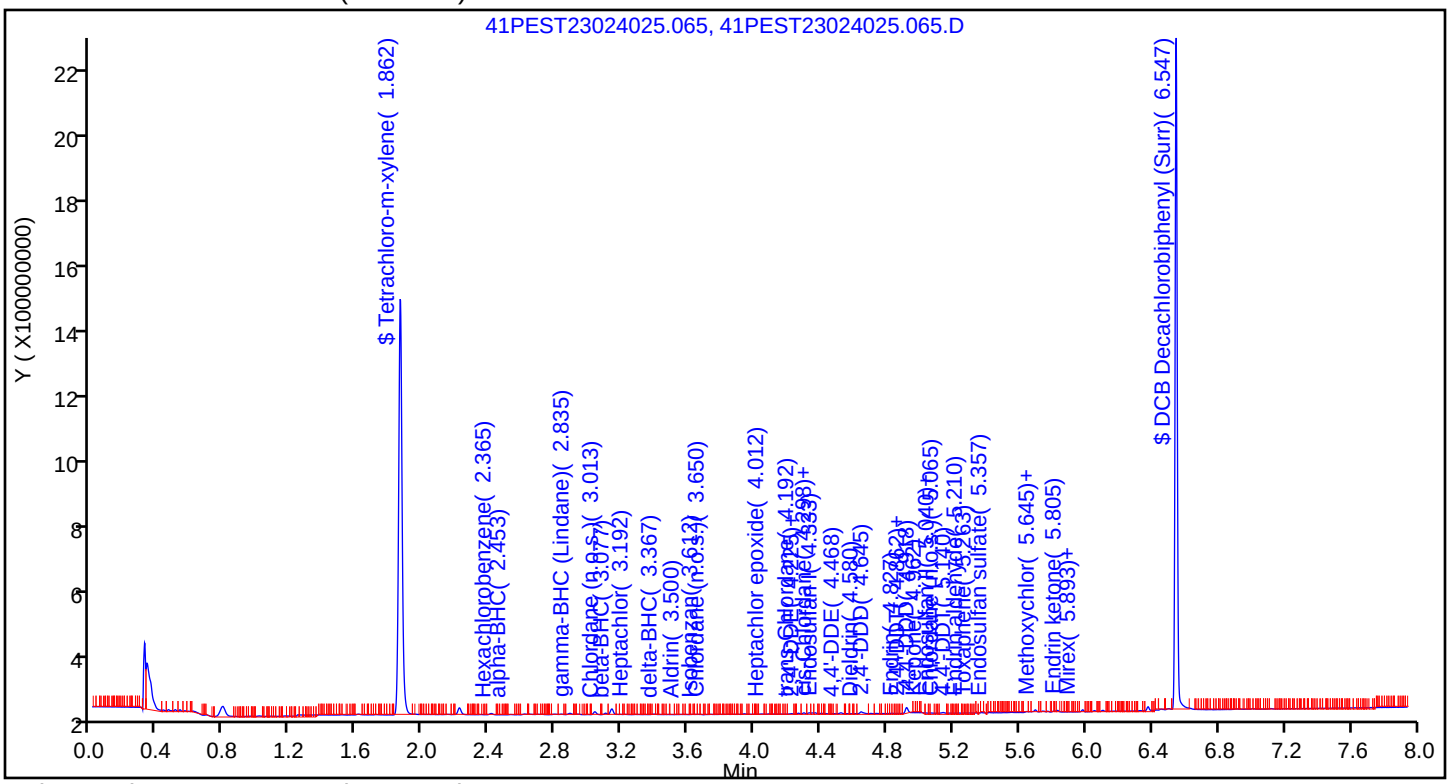
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 65

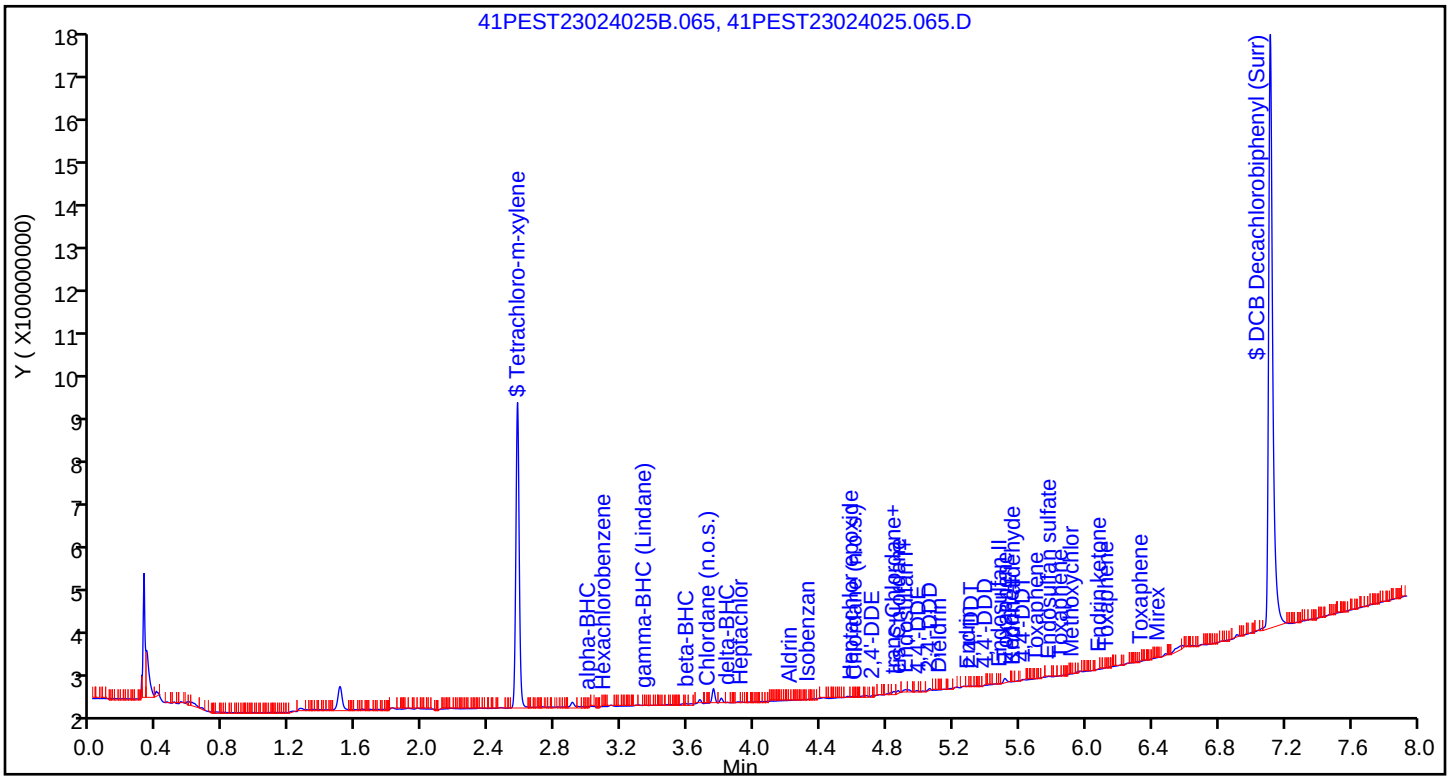
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.065.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	02-Mar-2023 15:36:00	ALS Bottle#:	0	Worklist Smp#:	65
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:30:29	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.8	98.66
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.6	107.78

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.2	95.89
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.2	105.85

Report Date: 03-Mar-2023 06:30:47 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.065.D

Injection Date: 02-Mar-2023 15:36:00 Instrument ID: 9147

Lims ID: piblk

Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 65

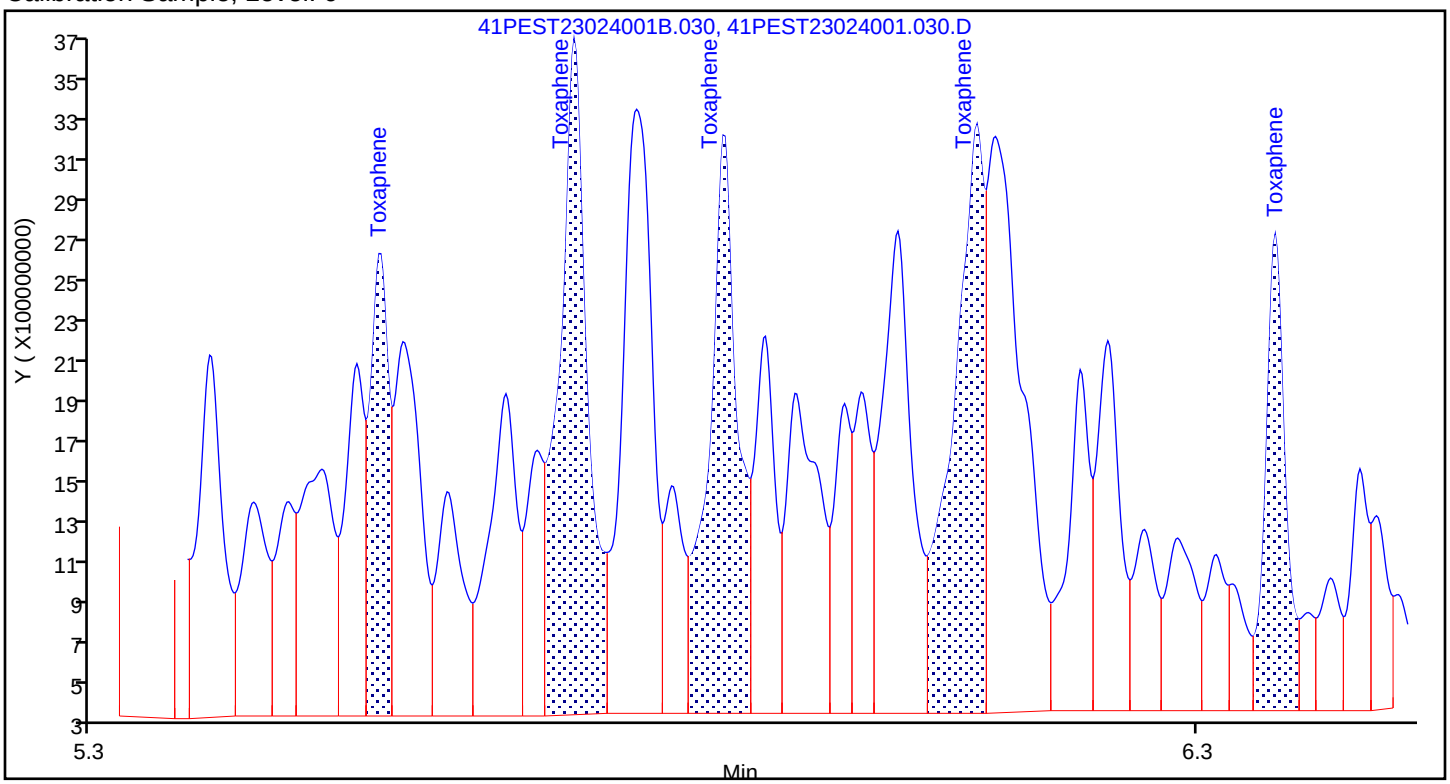
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

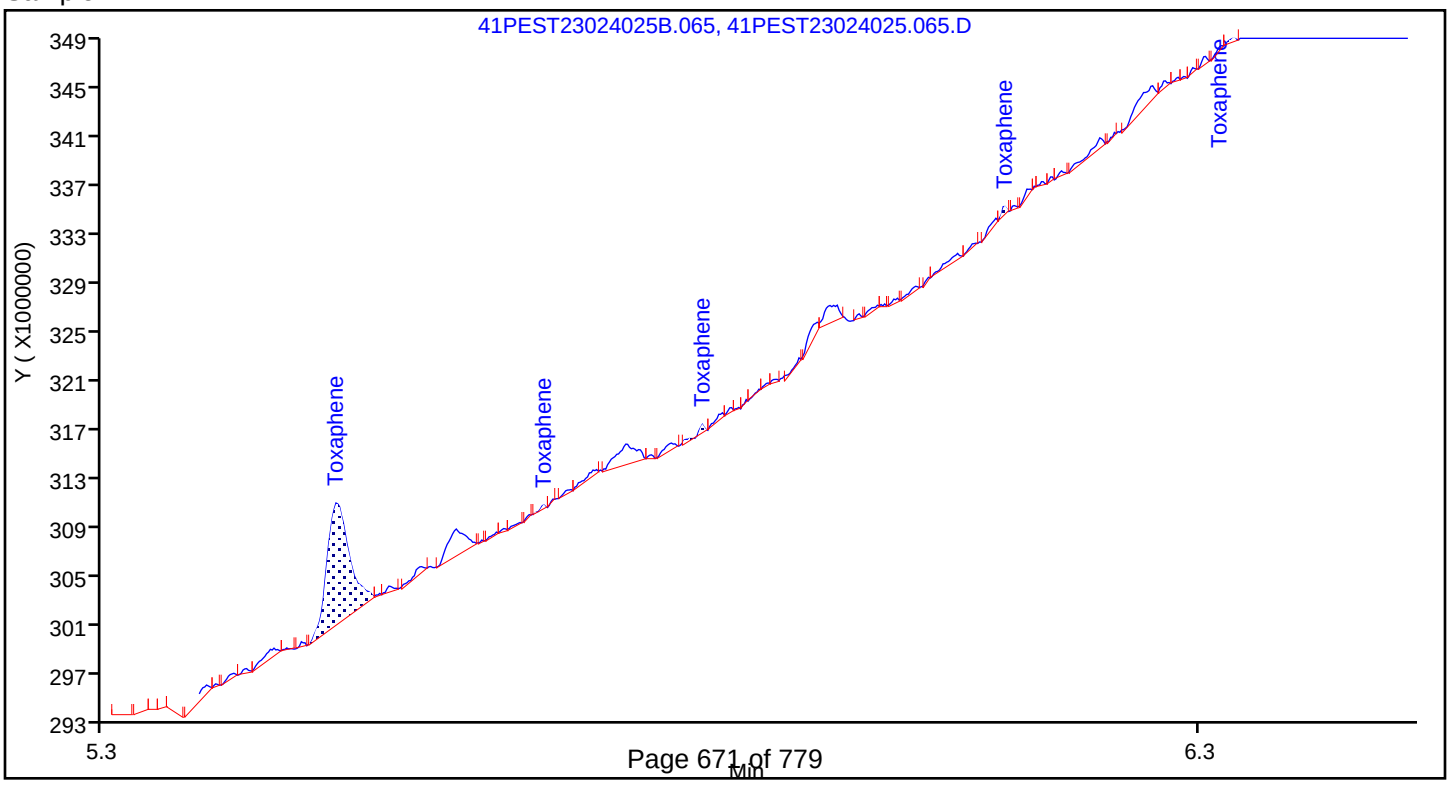
Column: Phenomenex MR2 (0.00 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-349358/85

Matrix: Water Lab File ID: 41PEST23024025.085.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 03/02/2023 20:28

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		1.0	0.10
319-84-6	alpha-BHC	ND		1.0	0.15
5103-71-9	alpha-Chlordane	ND		1.0	0.15
319-85-7	beta-BHC	ND		1.5	0.55
319-86-8	delta-BHC	ND		1.0	0.17
60-57-1	Dieldrin	ND		1.5	0.27
959-98-8	Endosulfan I	ND		1.0	0.22
33213-65-9	Endosulfan II	ND		2.0	0.75
1031-07-8	Endosulfan sulfate	ND		1.5	0.29
72-20-8	Endrin	ND		1.5	0.41
7421-93-4	Endrin aldehyde	ND		5.0	1.0
53494-70-5	Endrin ketone	ND		1.5	0.25
58-89-9	gamma-BHC (Lindane)	ND		1.0	0.10
5103-74-2	gamma-Chlordane	ND		2.0	0.35
76-44-8	Heptachlor	ND		1.0	0.10
1024-57-3	Heptachlor epoxide	ND		1.0	0.12
72-43-5	Methoxychlor	ND		5.5	1.5
8001-35-2	Toxaphene	ND		50	15
72-54-8	p,p'-DDD	ND		1.5	0.25
72-55-9	p,p'-DDE	ND		1.5	0.25
50-29-3	p,p'-DDT	ND		1.5	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	108		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	95		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.085.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 02-Mar-2023 20:28:00 ALS Bottle#: 0 Worklist Smp#: 85
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:31:52 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	1203347143H	20.0	19.1	
2	2.572	2.573	-0.001	686963062H	20.0	19.6	
						RPD = 2.79	
2 alpha-BHC							
1	2.457	2.457	0.000	247141H		0.002590	
2	2.995	2.993	0.002	251795H		0.002680	
						RPD = 3.39	
3 Hexachlorobenzene							
1	2.375	2.367	0.008	303000H		0.003690	
2	3.083	3.083	0.000	130993H		0.001324	
						RPD = 94.40	
4 gamma-BHC (Lindane)							
1	2.837	2.830	0.007	1209427H		0.0135	
2	3.328	3.335	-0.007	385700H		0.004127	
						RPD = 106.57	
5 beta-BHC							
1	3.077	3.082	-0.005	86133H		0.002086	
2	3.603	3.597	0.006	335360H		0.009676	
						RPD = 129.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	2.995	3.012	-0.017	258023H		0.1220	
1	3.652	3.648	0.004	355869H		0.1920	
1	4.212	4.215	-0.003	395510H		0.0479	
1	4.297	4.298	-0.001	1265562H		0.1869	
1	5.063	5.062	0.001	152902H		0.0531	
		Average of Peak Amounts =				0.1204	
2	3.713	3.718	-0.005	259836H		0.1094	
2	4.613	4.610	0.003	139087H		0.0692	
2	4.842	4.840	0.002	311608H		0.0298	
2	4.917	4.917	0.000	290031H		0.0439	
2	5.537	5.538	-0.001	344321H		0.1602	
		Average of Peak Amounts =				0.0825	
						RPD = 37.31	
7 delta-BHC							
1	3.368	3.370	-0.002	481394H		0.004653	
2	3.840	3.845	-0.005	696095H		0.006439	
						RPD = 32.20	
8 Heptachlor							
1	3.193	3.197	-0.004	389360H		0.004984	
2	3.905	3.918	-0.013	2514350H		0.0235	
						RPD = 130.08	
9 Aldrin							
1	3.500	3.505	-0.005	397023H		0.004102	
2	4.223	4.212	0.011	812271H		0.007293	
						RPD = 56.01	
10 Isobenzan							
1	3.618	3.618	0.000	53778H		0.000845	
2	4.320	4.320	0.000	416726H		0.005493	
						RPD = 146.69	
11 Heptachlor epoxide							
1	4.012	4.010	0.002	60156H		0.000649	
2	4.587	4.583	0.004	203446H		0.002076	
						RPD = 104.70	
12 2,4'-DDE							
1	4.222	4.220	0.002	291978H		0.004722	
2	4.730	4.713	0.017	893857H		0.0163	
						RPD = 110.25	
13 trans-Chlordane							
1	4.212	4.213	-0.001	395510H		0.004041	
2	4.842	4.842	0.000	311608H		0.003240	
						RPD = 21.99	
14 cis-Chlordane							
1	4.297	4.295	0.002	1265562H		0.0128	
2	4.867	4.882	-0.015	3072906H		0.0340	
						RPD = 90.32	
15 Endosulfan I							
1	4.332	4.340	-0.008	1137483H		0.0123	
2	4.917	4.913	0.004	290031H		0.003175	
						RPD = 117.84	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.467	4.468	-0.001	536875H		0.005201	
2	4.985	4.997	-0.012	900813H		0.008849	
						RPD = 51.93	
17 2,4'-DDD							
1	4.627	4.637	-0.010	260609H		0.005043	
2	5.072	5.072	0.000	99180H		0.002200	
						RPD = 78.50	
18 Dieldrin							
1	4.573	4.578	-0.005	242110H		0.002333	
2	5.112	5.113	-0.001	199743H		0.001860	
						RPD = 22.58	
19 Endrin							
1	4.830	4.830	0.000	183646H		0.001983	
2	5.285	5.290	-0.005	354103H		0.003828	
						RPD = 63.53	
20 2,4'-DDT							
1	4.867	4.858	0.009	1231643H		0.0263	
2	5.312	5.308	0.004	492547H		0.009708	
						RPD = 92.08	
22 4,4'-DDD							
1	4.920	4.927	-0.007	2210339H		0.0258	
2	5.397	5.387	0.010	340344H		0.004594	
						RPD = 139.63	
23 Endosulfan II							
1	5.033	5.038	-0.005	193567H		0.002111	
2	5.490	5.483	0.007	456400H		0.005380	
						RPD = 87.28	
21 Toxaphene							
1	5.045	5.060	-0.015	502082H		0.4529	
1	5.285	5.277	0.008	393402H		0.2622	
1	5.662	5.657	0.005	2070299H		1.10	
1	5.910	5.902	0.008	563824H		0.3861	
1	4.867	4.857	0.010	1231643H		1.41	
		Average of Peak Amounts =				0.7228	
2	5.518	5.537	-0.019	1108397H		1.12	
2	5.717	5.715	0.002	612980H		0.4321	
2	5.852	5.850	0.002	493363H		0.4229	
2	6.100	6.097	0.003	274455H		0.2233	
2	6.360	6.350	0.010	401913H		0.4363	
		Average of Peak Amounts =				0.5263	
						RPD = 31.46	
24 Kepone							
1	4.950	4.942	0.008	1502814H		0.0374	
2	5.545	5.542	0.003	240156H		0.006770	
						RPD = 138.68	
25 Endrin aldehyde							
1	5.213	5.212	0.001	334383H		0.004394	
2	5.568	5.565	0.003	126102H		0.001950	
						RPD = 77.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.135	5.138	-0.003	1777219H		0.0304	
2	5.623	5.613	0.010	3118245H		0.0482	
						RPD = 45.49	
27 Endosulfan sulfate							
1	5.367	5.362	0.005	371490H		0.004352	
2	5.763	5.768	-0.005	262853H		0.003388	
						RPD = 24.91	
28 Methoxychlor							
1	5.630	5.633	-0.003	640630H		0.0214	
2	5.922	5.922	0.000	253031H		0.007069	
						RPD = 100.51	
29 Endrin ketone							
1	5.800	5.798	0.002	272710H		0.002928	
2	6.073	6.073	0.000	172523H		0.002172	
						RPD = 29.67	
30 Mirex							
1	5.903	5.895	0.008	440345H		0.007485	
2	6.422	6.433	-0.011	195486H		0.004642	
						RPD = 46.89	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	2018417854H	20.0	21.6	
2	7.117	7.118	-0.001	1298340302H	20.0	21.0	
						RPD = 2.80	
S 32 Total DDTs							
1						0.0566	
2						0.0579	
						RPD = 2.28	
S 33 Endosulfan, Total							
1						0.0144	
2						0.008555	
						RPD = 50.87	

Reagents:

GCS_IBLK_00005 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:32:19 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.085.D

Injection Date: 02-Mar-2023 20:28:00 Instrument ID: 9147

Lims ID: piblk

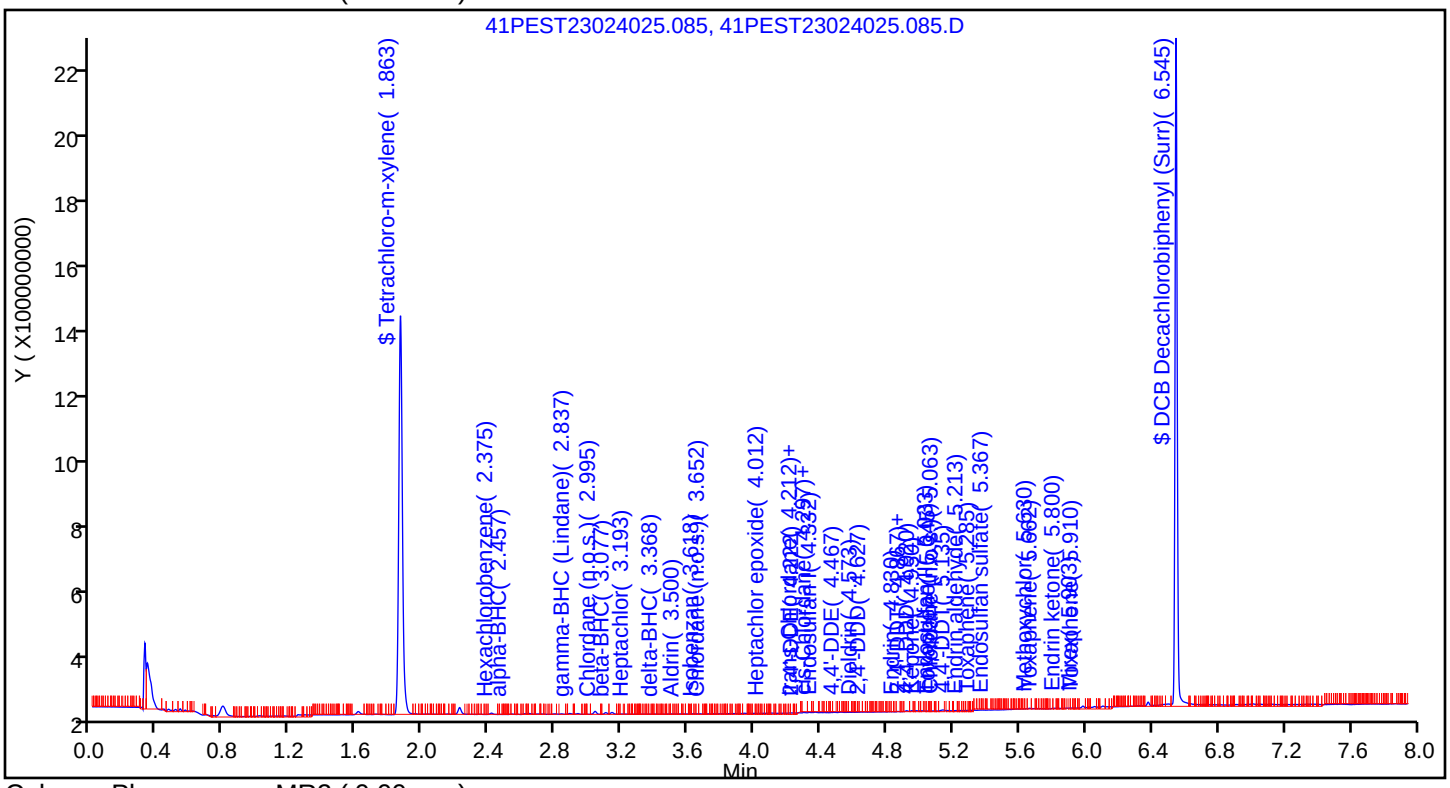
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 85

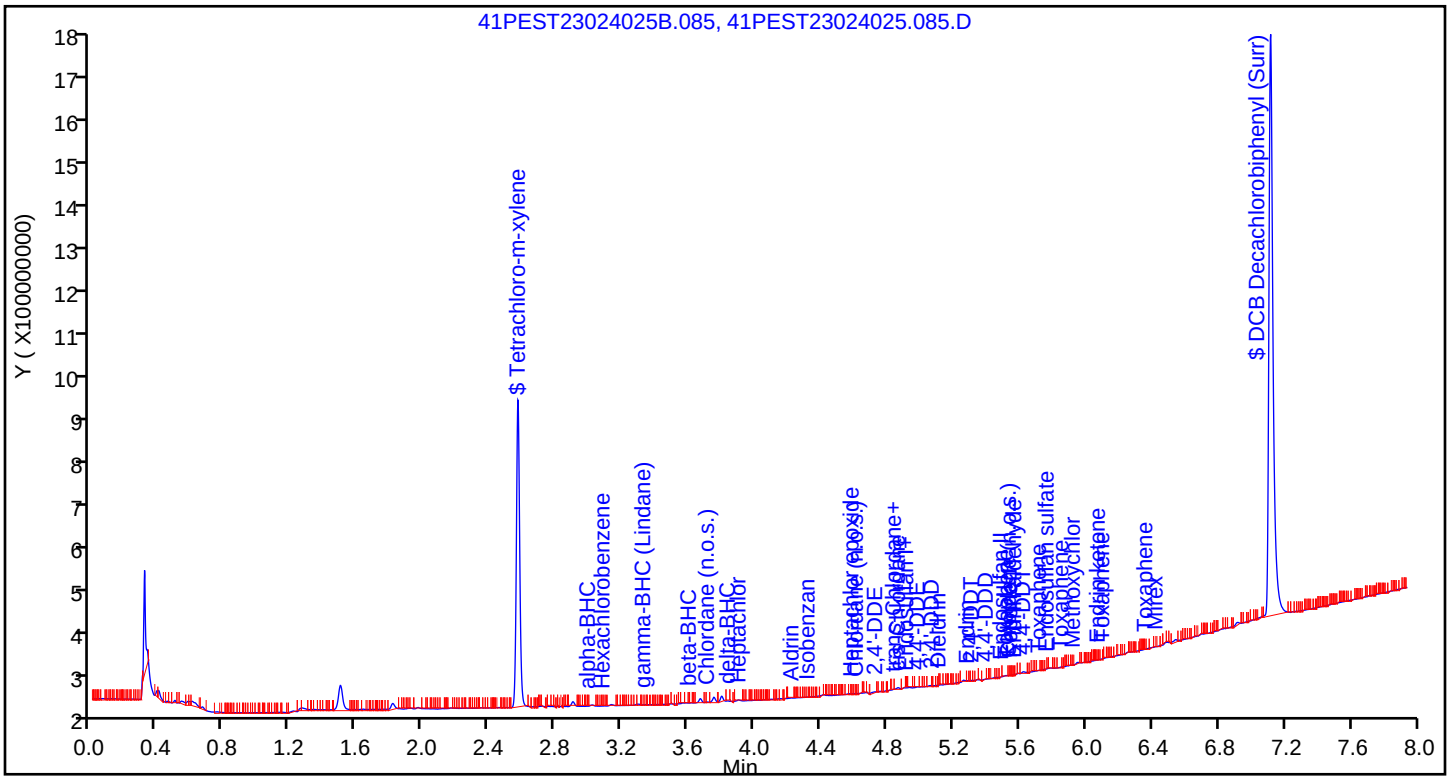
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.085.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	02-Mar-2023 20:28:00	ALS Bottle#:	0	Worklist Smp#:	85
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:31:52	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.1	95.16
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.6	107.98

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.6	97.85
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.0	105.00

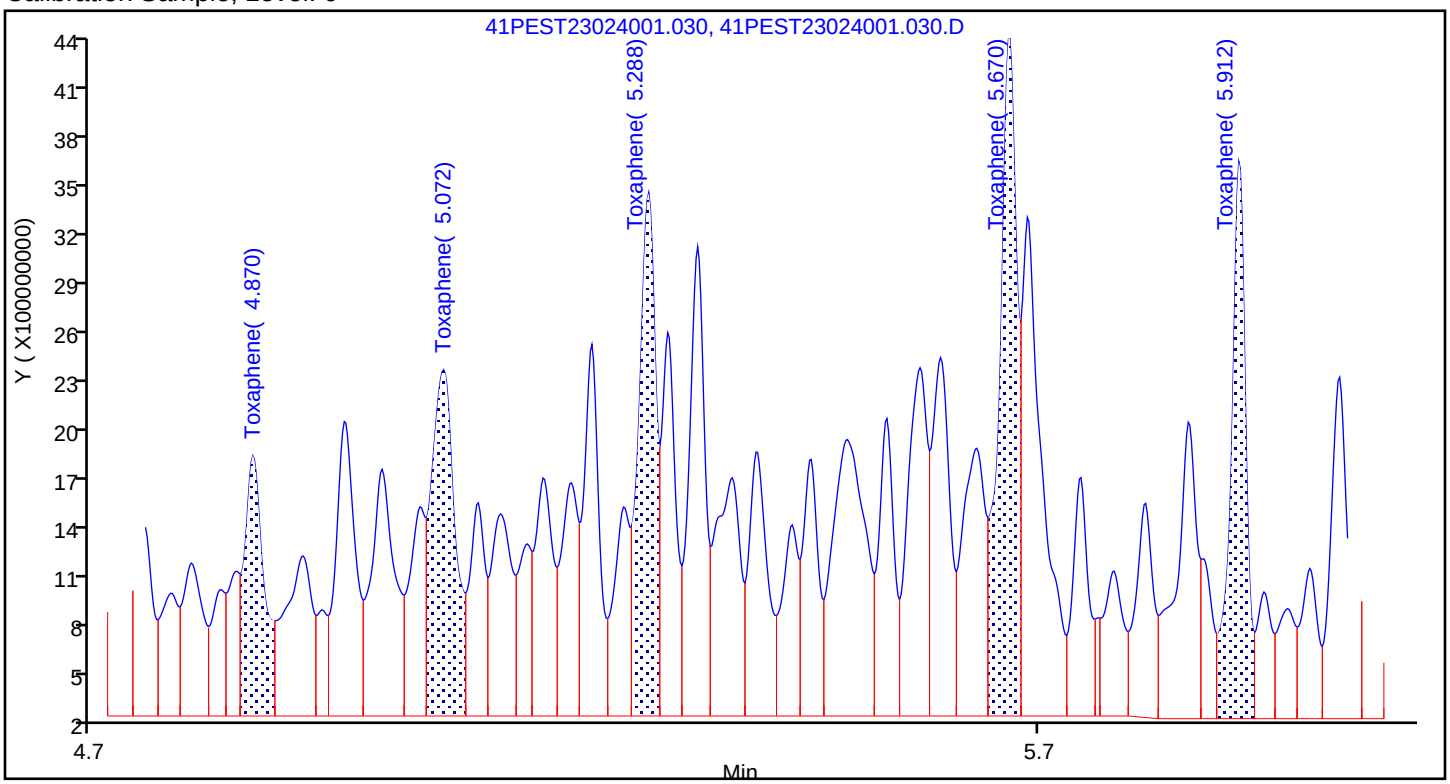
Report Date: 03-Mar-2023 06:32:19 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

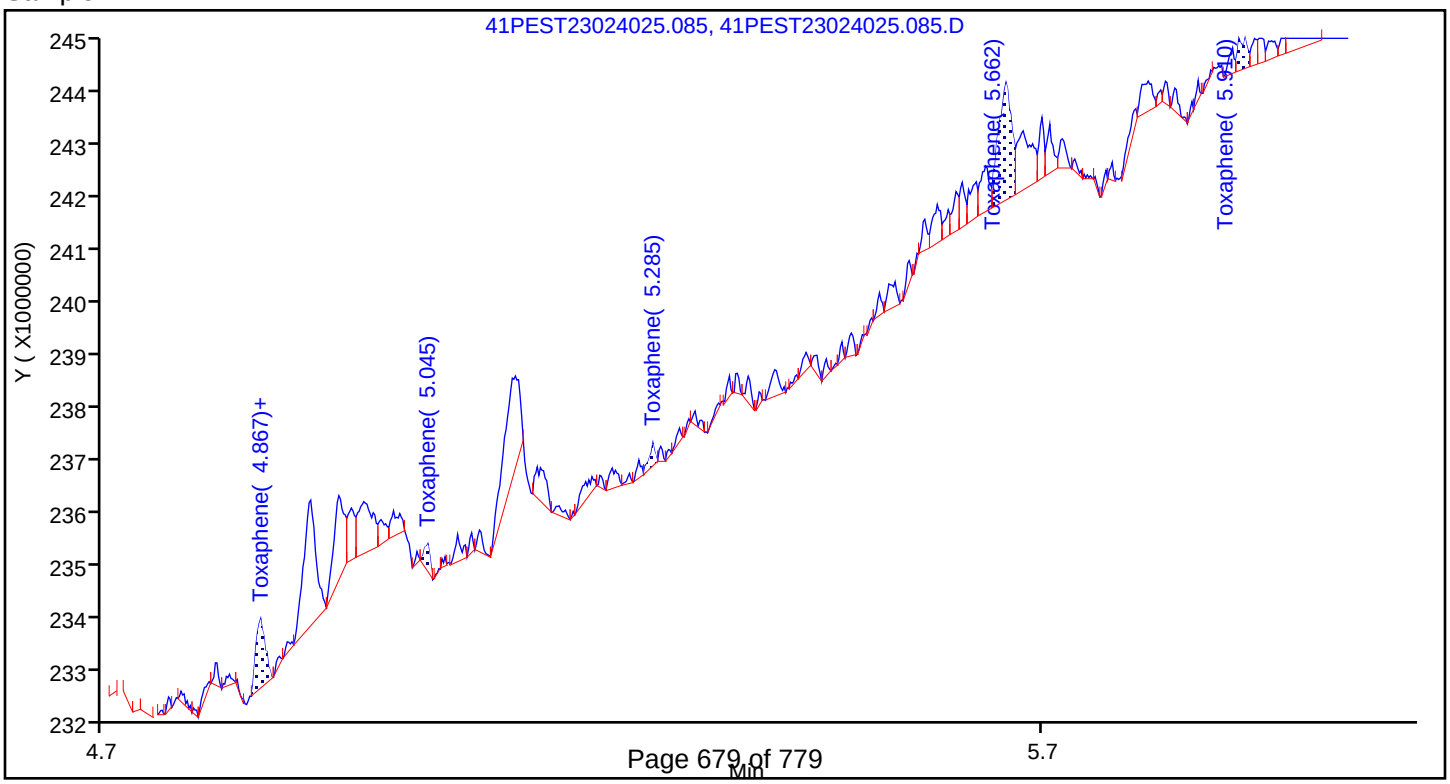
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.085.D				
Injection Date:	02-Mar-2023 20:28:00	Instrument ID:	9147		
Lims ID:	piblk				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	85
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	1AECDA		

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: PIBLK 410-349358/85

Matrix: Water Lab File ID: 41PEST23024025.085.D

Analysis Method: 8081B Date Collected:

Extraction Method: Date Extracted:

Sample wt/vol: 0(mL) Date Analyzed: 03/02/2023 20:28

Con. Extract Vol.: Dilution Factor: 1

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	*Aldrin*	*ND*		*1.0*	*0.10*
319-84-6	*alpha-BHC*	*ND*		*1.0*	*0.15*
5103-71-9	*alpha-Chlordane*	*ND*		*1.0*	*0.15*
319-85-7	*beta-BHC*	*ND*		*1.5*	*0.55*
319-86-8	*delta-BHC*	*ND*		*1.0*	*0.17*
60-57-1	*Dieldrin*	*ND*		*1.5*	*0.27*
959-98-8	*Endosulfan I*	*ND*		*1.0*	*0.22*
33213-65-9	*Endosulfan II*	*ND*		*2.0*	*0.75*
1031-07-8	*Endosulfan sulfate*	*ND*		*1.5*	*0.29*
72-20-8	*Endrin*	*ND*		*1.5*	*0.41*
7421-93-4	*Endrin aldehyde*	*ND*		*5.0*	*1.0*
53494-70-5	*Endrin ketone*	*ND*		*1.5*	*0.25*
58-89-9	*gamma-BHC (Lindane)*	*ND*		*1.0*	*0.10*
5103-74-2	*gamma-Chlordane*	*ND*		*2.0*	*0.35*
76-44-8	*Heptachlor*	*ND*		*1.0*	*0.10*
1024-57-3	*Heptachlor epoxide*	*ND*		*1.0*	*0.12*
72-43-5	*Methoxychlor*	*ND*		*5.5*	*1.5*
8001-35-2	*Toxaphene*	*ND*		*50*	*15*
72-54-8	*p,p'-DDD*	*ND*		*1.5*	*0.25*
72-55-9	*p,p'-DDE*	*ND*		*1.5*	*0.25*
50-29-3	*p,p'-DDT*	*ND*		*1.5*	*0.26*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	105		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	98		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.085.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 02-Mar-2023 20:28:00 ALS Bottle#: 0 Worklist Smp#: 85
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:31:52 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	1203347143H	20.0	19.1	
2	2.572	2.573	-0.001	686963062H	20.0	19.6	
						RPD = 2.79	
2 alpha-BHC							
1	2.457	2.457	0.000	247141H		0.002590	
2	2.995	2.993	0.002	251795H		0.002680	
						RPD = 3.39	
3 Hexachlorobenzene							
1	2.375	2.367	0.008	303000H		0.003690	
2	3.083	3.083	0.000	130993H		0.001324	
						RPD = 94.40	
4 gamma-BHC (Lindane)							
1	2.837	2.830	0.007	1209427H		0.0135	
2	3.328	3.335	-0.007	385700H		0.004127	
						RPD = 106.57	
5 beta-BHC							
1	3.077	3.082	-0.005	86133H		0.002086	
2	3.603	3.597	0.006	335360H		0.009676	
						RPD = 129.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	2.995	3.012	-0.017	258023H		0.1220	
1	3.652	3.648	0.004	355869H		0.1920	
1	4.212	4.215	-0.003	395510H		0.0479	
1	4.297	4.298	-0.001	1265562H		0.1869	
1	5.063	5.062	0.001	152902H		0.0531	
		Average of Peak Amounts =				0.1204	
2	3.713	3.718	-0.005	259836H		0.1094	
2	4.613	4.610	0.003	139087H		0.0692	
2	4.842	4.840	0.002	311608H		0.0298	
2	4.917	4.917	0.000	290031H		0.0439	
2	5.537	5.538	-0.001	344321H		0.1602	
		Average of Peak Amounts =				0.0825	
						RPD = 37.31	
7 delta-BHC							
1	3.368	3.370	-0.002	481394H		0.004653	
2	3.840	3.845	-0.005	696095H		0.006439	
						RPD = 32.20	
8 Heptachlor							
1	3.193	3.197	-0.004	389360H		0.004984	
2	3.905	3.918	-0.013	2514350H		0.0235	
						RPD = 130.08	
9 Aldrin							
1	3.500	3.505	-0.005	397023H		0.004102	
2	4.223	4.212	0.011	812271H		0.007293	
						RPD = 56.01	
10 Isobenzan							
1	3.618	3.618	0.000	53778H		0.000845	
2	4.320	4.320	0.000	416726H		0.005493	
						RPD = 146.69	
11 Heptachlor epoxide							
1	4.012	4.010	0.002	60156H		0.000649	
2	4.587	4.583	0.004	203446H		0.002076	
						RPD = 104.70	
12 2,4'-DDE							
1	4.222	4.220	0.002	291978H		0.004722	
2	4.730	4.713	0.017	893857H		0.0163	
						RPD = 110.25	
13 trans-Chlordane							
1	4.212	4.213	-0.001	395510H		0.004041	
2	4.842	4.842	0.000	311608H		0.003240	
						RPD = 21.99	
14 cis-Chlordane							
1	4.297	4.295	0.002	1265562H		0.0128	
2	4.867	4.882	-0.015	3072906H		0.0340	
						RPD = 90.32	
15 Endosulfan I							
1	4.332	4.340	-0.008	1137483H		0.0123	
2	4.917	4.913	0.004	290031H		0.003175	
						RPD = 117.84	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.467	4.468	-0.001	536875H		0.005201	
2	4.985	4.997	-0.012	900813H		0.008849	
						RPD = 51.93	
17 2,4'-DDD							
1	4.627	4.637	-0.010	260609H		0.005043	
2	5.072	5.072	0.000	99180H		0.002200	
						RPD = 78.50	
18 Dieldrin							
1	4.573	4.578	-0.005	242110H		0.002333	
2	5.112	5.113	-0.001	199743H		0.001860	
						RPD = 22.58	
19 Endrin							
1	4.830	4.830	0.000	183646H		0.001983	
2	5.285	5.290	-0.005	354103H		0.003828	
						RPD = 63.53	
20 2,4'-DDT							
1	4.867	4.858	0.009	1231643H		0.0263	
2	5.312	5.308	0.004	492547H		0.009708	
						RPD = 92.08	
22 4,4'-DDD							
1	4.920	4.927	-0.007	2210339H		0.0258	
2	5.397	5.387	0.010	340344H		0.004594	
						RPD = 139.63	
23 Endosulfan II							
1	5.033	5.038	-0.005	193567H		0.002111	
2	5.490	5.483	0.007	456400H		0.005380	
						RPD = 87.28	
21 Toxaphene							
1	5.045	5.060	-0.015	502082H		0.4529	
1	5.285	5.277	0.008	393402H		0.2622	
1	5.662	5.657	0.005	2070299H		1.10	
1	5.910	5.902	0.008	563824H		0.3861	
1	4.867	4.857	0.010	1231643H		1.41	
		Average of Peak Amounts =				0.7228	
2	5.518	5.537	-0.019	1108397H		1.12	
2	5.717	5.715	0.002	612980H		0.4321	
2	5.852	5.850	0.002	493363H		0.4229	
2	6.100	6.097	0.003	274455H		0.2233	
2	6.360	6.350	0.010	401913H		0.4363	
		Average of Peak Amounts =				0.5263	
						RPD = 31.46	
24 Kepone							
1	4.950	4.942	0.008	1502814H		0.0374	
2	5.545	5.542	0.003	240156H		0.006770	
						RPD = 138.68	
25 Endrin aldehyde							
1	5.213	5.212	0.001	334383H		0.004394	
2	5.568	5.565	0.003	126102H		0.001950	
						RPD = 77.05	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.135	5.138	-0.003	1777219H		0.0304	
2	5.623	5.613	0.010	3118245H		0.0482	
						RPD = 45.49	
27 Endosulfan sulfate							
1	5.367	5.362	0.005	371490H		0.004352	
2	5.763	5.768	-0.005	262853H		0.003388	
						RPD = 24.91	
28 Methoxychlor							
1	5.630	5.633	-0.003	640630H		0.0214	
2	5.922	5.922	0.000	253031H		0.007069	
						RPD = 100.51	
29 Endrin ketone							
1	5.800	5.798	0.002	272710H		0.002928	
2	6.073	6.073	0.000	172523H		0.002172	
						RPD = 29.67	
30 Mirex							
1	5.903	5.895	0.008	440345H		0.007485	
2	6.422	6.433	-0.011	195486H		0.004642	
						RPD = 46.89	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	2018417854H	20.0	21.6	
2	7.117	7.118	-0.001	1298340302H	20.0	21.0	
						RPD = 2.80	
S 32 Total DDTs							
1						0.0566	
2						0.0579	
						RPD = 2.28	
S 33 Endosulfan, Total							
1						0.0144	
2						0.008555	
						RPD = 50.87	

Reagents:

GCS_IBLK_00005 Amount Added: 1.00 Units: mL

Report Date: 03-Mar-2023 06:32:20 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.085.D

Injection Date: 02-Mar-2023 20:28:00 Instrument ID: 9147

Lims ID: piblk

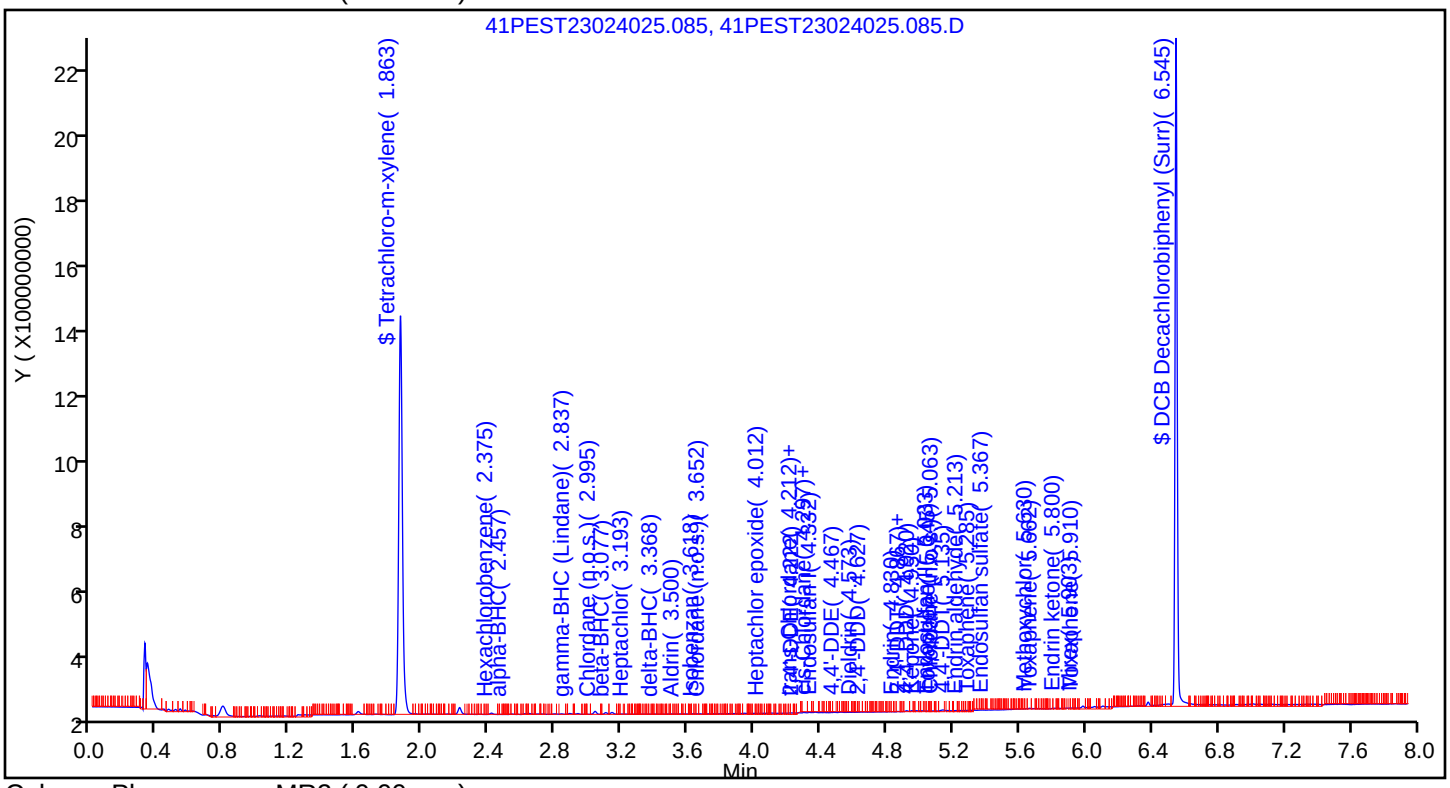
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 85

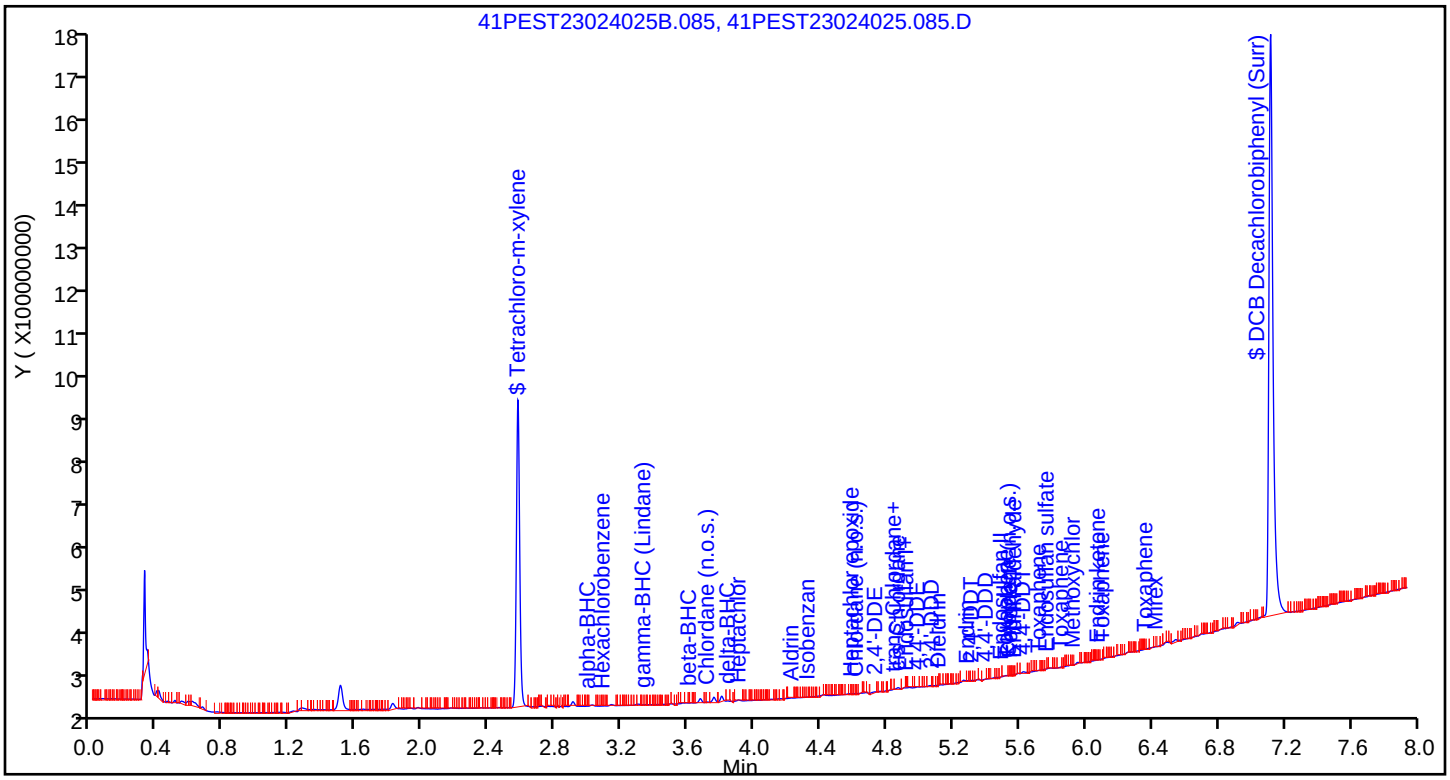
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.085.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	02-Mar-2023 20:28:00	ALS Bottle#:	0	Worklist Smp#:	85
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:31:52	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.1	95.16
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.6	107.98

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.0	19.6	97.85
$ 31 DCB Decachlorobiphenyl (Surr)	20.0	21.0	105.00

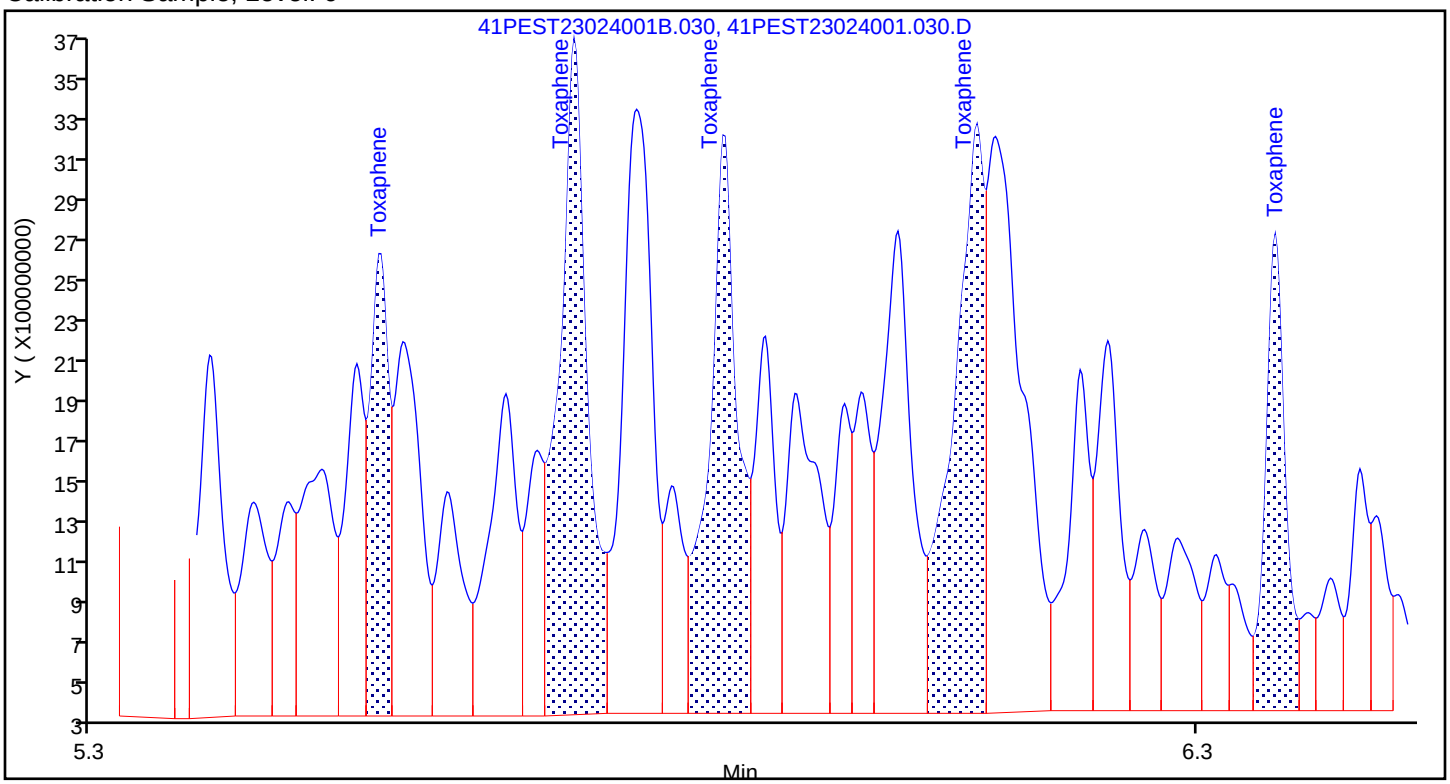
Report Date: 03-Mar-2023 06:32:20 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

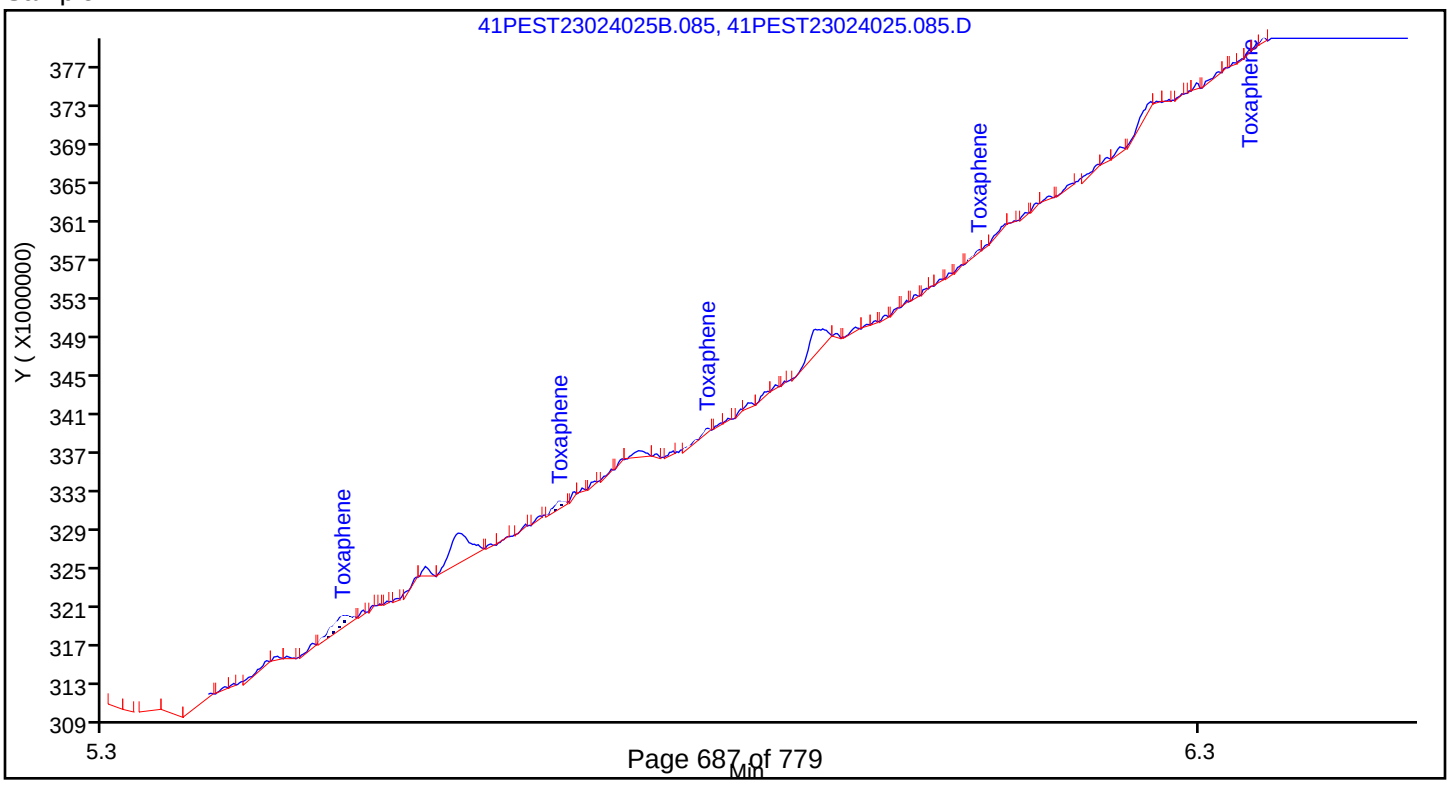
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.085.D				
Injection Date:	02-Mar-2023 20:28:00	Instrument ID:	9147		
Lims ID:	piblk				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	85
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	2BECDB		

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-116613-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-348994/2-A

Matrix: Water
Lab File ID: 41PEST23024025.013.D

Analysis Method: 8081B
Date Collected:

Extraction Method: 3510C
Date Extracted: 03/01/2023 08:04

Sample wt/vol: 250(mL)
Date Analyzed: 03/02/2023 02:53

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

Injection Volume: 1(uL)
GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0695		0.020	0.0020
319-84-6	alpha-BHC	0.0857		0.020	0.0030
5103-71-9	alpha-Chlordane	0.0845		0.020	0.0030
319-85-7	beta-BHC	0.0957		0.030	0.011
60-57-1	Dieldrin	0.161		0.030	0.0053
959-98-8	Endosulfan I	0.0842		0.020	0.0043
33213-65-9	Endosulfan II	0.177		0.040	0.015
1031-07-8	Endosulfan sulfate	0.189		0.030	0.0058
72-20-8	Endrin	0.181		0.030	0.0081
7421-93-4	Endrin aldehyde	0.167		0.10	0.020
53494-70-5	Endrin ketone	0.200		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	0.0855		0.020	0.0020
5103-74-2	gamma-Chlordane	0.104		0.040	0.0070
76-44-8	Heptachlor	0.0839		0.020	0.0020
1024-57-3	Heptachlor epoxide	0.0865		0.020	0.0023
72-54-8	p,p'-DDD	0.189		0.030	0.0050
72-55-9	p,p'-DDE	0.168		0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	52		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	69		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.013.D
Lims ID: LCS 410-348994/2-A
Client ID:
Sample Type: LCS
Inject. Date: 02-Mar-2023 02:53:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-348994/2-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:58:04 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

First Level Reviewer: UAMZ Date: 02-Mar-2023 08:57:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	661544795H	15.1	10.5	
2	2.572	2.573	-0.001	335327892H	15.1	9.56	
						RPD = 9.09	
2 alpha-BHC							
1	2.458	2.457	0.001	408982119H	5.00	4.29	
2	2.990	2.993	-0.003	363779045H	5.00	3.87	
						RPD = 10.18	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	381724423H	5.00	4.27	
2	3.332	3.335	-0.003	372521788H	5.00	3.99	
						RPD = 6.97	
5 beta-BHC							
1	3.083	3.082	0.001	197506372H	5.00	4.78	
2	3.593	3.597	-0.004	161427623H	5.00	4.66	
						RPD = 2.66	
7 delta-BHC							
1	3.372	3.370	0.002	419711496H	5.00	4.06	
2	3.842	3.845	-0.003	450730548H	5.00	4.17	
						RPD = 2.73	
8 Heptachlor							
1	3.198	3.197	0.001	327860554H	5.00	4.20	
2	3.915	3.918	-0.003	326033004H	5.00	3.05	
						RPD = 31.61	
9 Aldrin							
1	3.507	3.505	0.002	336299439H	5.00	3.47	
2	4.208	4.212	-0.004	356572941H	5.00	3.20	
						RPD = 8.18	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.012	4.010	0.002	400692378H	5.00	4.32	
2	4.580	4.583	-0.003	394353955H	5.00	4.02	
						RPD = 7.21	
13 trans-Chlordane							
1	4.212	4.213	-0.001	507174386H	5.00	5.18	
2	4.838	4.842	-0.004	372614901H	5.00	3.87	
						RPD = 28.87	
14 cis-Chlordane							
1	4.297	4.295	0.002	416362517H	5.00	4.22	
2	4.880	4.882	-0.002	368007398H	5.00	4.07	
						RPD = 3.72	
15 Endosulfan I							
1	4.342	4.340	0.002	389770459H	5.00	4.21	
2	4.910	4.913	-0.003	372349253H	5.00	4.08	
						RPD = 3.20	
16 4,4'-DDE							
1	4.470	4.468	0.002	865220302H	10.0	8.38	
2	4.993	4.997	-0.004	781676506H	10.0	7.68	
						RPD = 8.75	
18 Dieldrin							
1	4.578	4.578	0.000	834106520H	10.0	8.04	
2	5.110	5.113	-0.003	806808282H	10.0	7.51	
						RPD = 6.77	
19 Endrin							
1	4.832	4.830	0.002	837687872H	10.0	9.04	
2	5.287	5.290	-0.003	750274684H	10.0	8.11	
						RPD = 10.86	
22 4,4'-DDD							
1	4.928	4.927	0.001	808231671H	10.0	9.45	
2	5.383	5.387	-0.004	624845679H	10.0	8.43	
						RPD = 11.37	
23 Endosulfan II							
1	5.040	5.038	0.002	812027097H	10.0	8.86	
2	5.482	5.483	-0.001	685677960H	10.0	8.08	
						RPD = 9.12	
25 Endrin aldehyde							
1	5.213	5.212	0.001	636288131H	10.0	8.36	
2	5.562	5.565	-0.003	486635765H	10.0	7.53	
						RPD = 10.53	
26 4,4'-DDT							
1	5.138	5.138	0.000	604245125H	10.0	10.3	
2	5.610	5.613	-0.003	501401933H	10.0	7.76	
						RPD = 28.39	
27 Endosulfan sulfate							
1	5.363	5.362	0.001	805128581H	10.0	9.43	
2	5.767	5.768	-0.001	660089789H	10.0	8.51	
						RPD = 10.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	1601857644	H 50.0	53.4	
2	5.920	5.922	-0.002	1469537917	H 50.0	41.1	
						RPD = 26.12	
29 Endrin ketone							
1	5.800	5.798	0.002	932200841	H 10.0	10.0	
2	6.070	6.073	-0.003	709652028	H 10.0	8.93	
						RPD = 11.37	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	722051912	H 14.9	7.73	
2	7.113	7.118	-0.005	470379660	H 14.9	7.61	
						RPD = 1.53	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Report Date: 02-Mar-2023 08:58:13 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.013.D

Injection Date: 02-Mar-2023 02:53:00 Instrument ID: 9147

Lims ID: LCS 410-348994/2-A

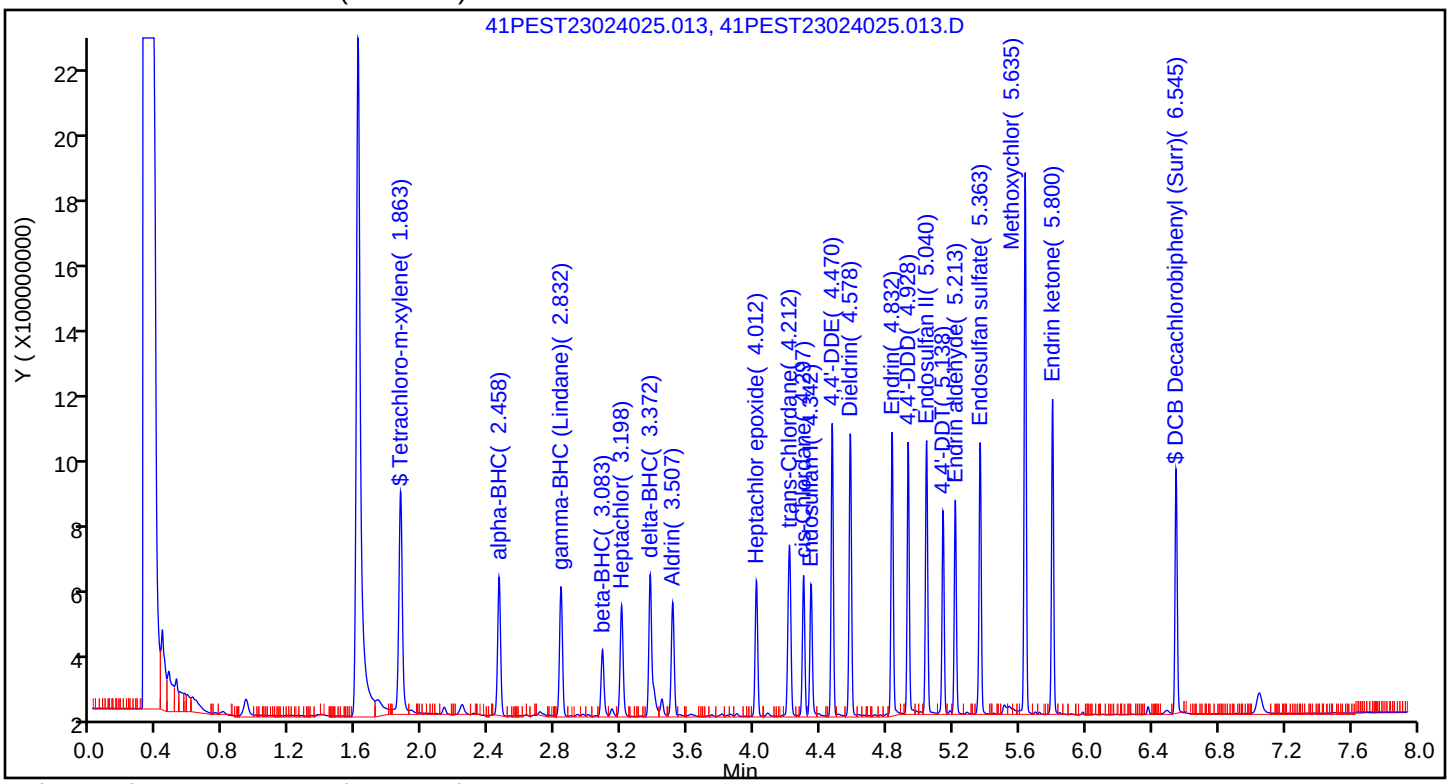
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 13

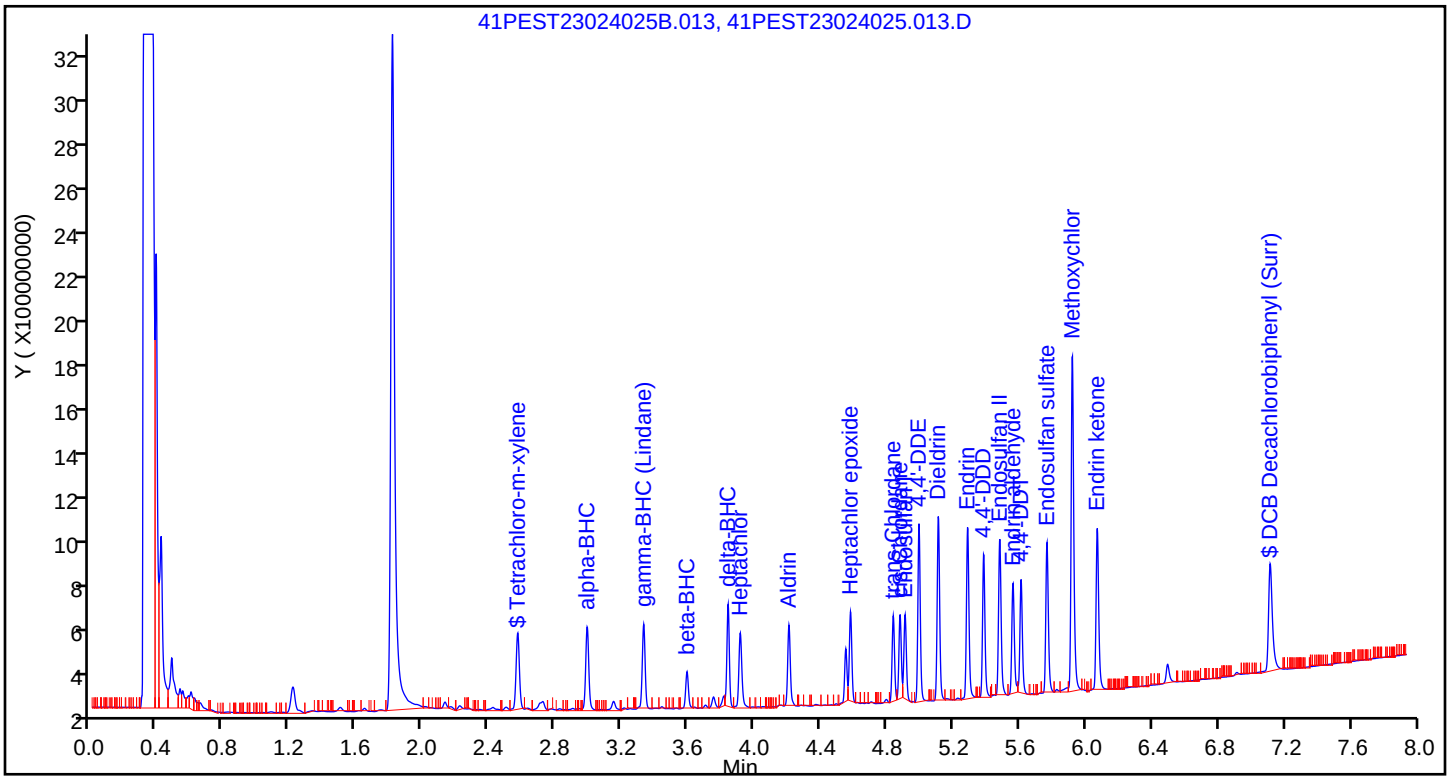
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.013.D				
Lims ID:	LCS 410-348994/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	02-Mar-2023 02:53:00	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 410-348994/2-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	02-Mar-2023 08:58:04	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1607				
First Level Reviewer: UAMZ		Date:	02-Mar-2023 08:57:55		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.5	69.44
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	7.73	51.84

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.56	63.40
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	7.61	51.05

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-348994/2-A

Matrix: Water Lab File ID: 41PEST23024025.013.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 250(mL) Date Analyzed: 03/02/2023 02:53

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	0.0834		0.020	0.0034
72-43-5	Methoxychlor	0.821		0.11	0.030
50-29-3	p,p'-DDT	0.155		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	51		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	63		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.013.D
Lims ID: LCS 410-348994/2-A
Client ID:
Sample Type: LCS
Inject. Date: 02-Mar-2023 02:53:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-348994/2-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 02-Mar-2023 08:58:04 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1607

First Level Reviewer: UAMZ Date: 02-Mar-2023 08:57:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.863	1.862	0.001	661544795H	15.1	10.5	
2	2.572	2.573	-0.001	335327892H	15.1	9.56	
						RPD = 9.09	
2 alpha-BHC							
1	2.458	2.457	0.001	408982119H	5.00	4.29	
2	2.990	2.993	-0.003	363779045H	5.00	3.87	
						RPD = 10.18	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	381724423H	5.00	4.27	
2	3.332	3.335	-0.003	372521788H	5.00	3.99	
						RPD = 6.97	
5 beta-BHC							
1	3.083	3.082	0.001	197506372H	5.00	4.78	
2	3.593	3.597	-0.004	161427623H	5.00	4.66	
						RPD = 2.66	
7 delta-BHC							
1	3.372	3.370	0.002	419711496H	5.00	4.06	
2	3.842	3.845	-0.003	450730548H	5.00	4.17	
						RPD = 2.73	
8 Heptachlor							
1	3.198	3.197	0.001	327860554H	5.00	4.20	
2	3.915	3.918	-0.003	326033004H	5.00	3.05	
						RPD = 31.61	
9 Aldrin							
1	3.507	3.505	0.002	336299439H	5.00	3.47	
2	4.208	4.212	-0.004	356572941H	5.00	3.20	
						RPD = 8.18	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.012	4.010	0.002	400692378H	5.00	4.32	
2	4.580	4.583	-0.003	394353955H	5.00	4.02	
						RPD = 7.21	
13 trans-Chlordane							
1	4.212	4.213	-0.001	507174386H	5.00	5.18	
2	4.838	4.842	-0.004	372614901H	5.00	3.87	
						RPD = 28.87	
14 cis-Chlordane							
1	4.297	4.295	0.002	416362517H	5.00	4.22	
2	4.880	4.882	-0.002	368007398H	5.00	4.07	
						RPD = 3.72	
15 Endosulfan I							
1	4.342	4.340	0.002	389770459H	5.00	4.21	
2	4.910	4.913	-0.003	372349253H	5.00	4.08	
						RPD = 3.20	
16 4,4'-DDE							
1	4.470	4.468	0.002	865220302H	10.0	8.38	
2	4.993	4.997	-0.004	781676506H	10.0	7.68	
						RPD = 8.75	
18 Dieldrin							
1	4.578	4.578	0.000	834106520H	10.0	8.04	
2	5.110	5.113	-0.003	806808282H	10.0	7.51	
						RPD = 6.77	
19 Endrin							
1	4.832	4.830	0.002	837687872H	10.0	9.04	
2	5.287	5.290	-0.003	750274684H	10.0	8.11	
						RPD = 10.86	
22 4,4'-DDD							
1	4.928	4.927	0.001	808231671H	10.0	9.45	
2	5.383	5.387	-0.004	624845679H	10.0	8.43	
						RPD = 11.37	
23 Endosulfan II							
1	5.040	5.038	0.002	812027097H	10.0	8.86	
2	5.482	5.483	-0.001	685677960H	10.0	8.08	
						RPD = 9.12	
25 Endrin aldehyde							
1	5.213	5.212	0.001	636288131H	10.0	8.36	
2	5.562	5.565	-0.003	486635765H	10.0	7.53	
						RPD = 10.53	
26 4,4'-DDT							
1	5.138	5.138	0.000	604245125H	10.0	10.3	
2	5.610	5.613	-0.003	501401933H	10.0	7.76	
						RPD = 28.39	
27 Endosulfan sulfate							
1	5.363	5.362	0.001	805128581H	10.0	9.43	
2	5.767	5.768	-0.001	660089789H	10.0	8.51	
						RPD = 10.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.635	5.633	0.002	1601857644	H 50.0	53.4	
2	5.920	5.922	-0.002	1469537917	H 50.0	41.1	
						RPD = 26.12	
29 Endrin ketone							
1	5.800	5.798	0.002	932200841	H 10.0	10.0	
2	6.070	6.073	-0.003	709652028	H 10.0	8.93	
						RPD = 11.37	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	722051912	H 14.9	7.73	
2	7.113	7.118	-0.005	470379660	H 14.9	7.61	
						RPD = 1.53	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Report Date: 02-Mar-2023 08:58:14 Chrom Revision: 2.3 15-Feb-2023 20:44:50

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.013.D

Injection Date: 02-Mar-2023 02:53:00 Instrument ID: 9147

Lims ID: LCS 410-348994/2-A

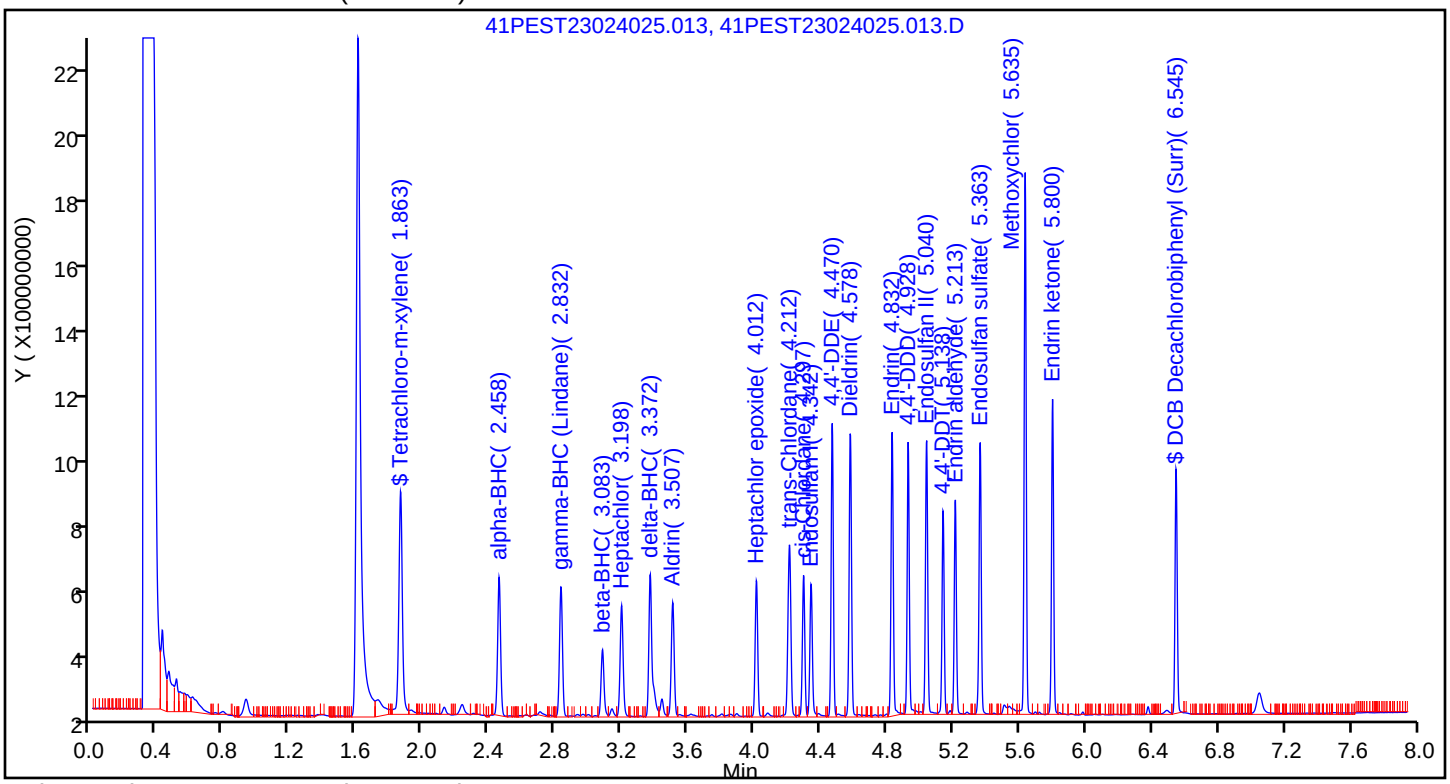
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 13

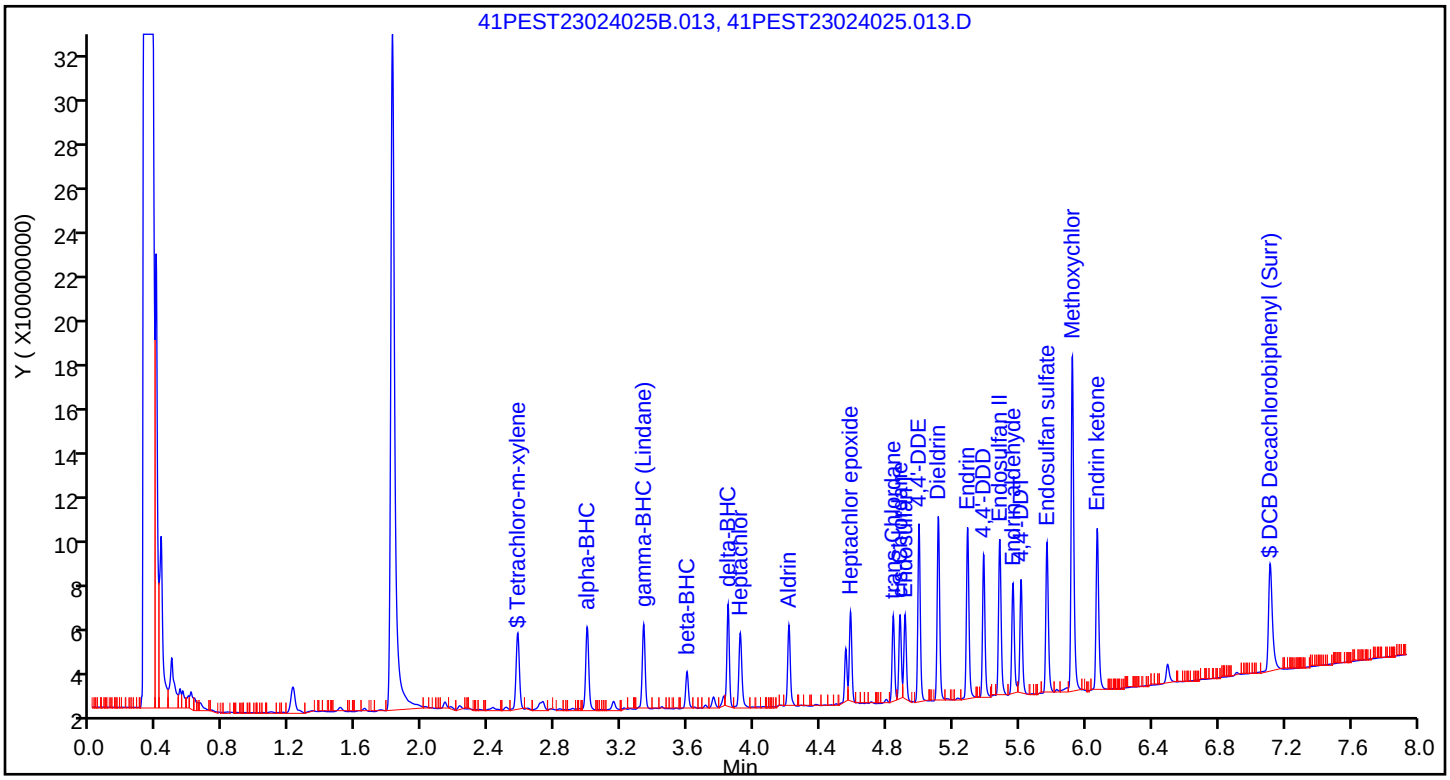
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.013.D				
Lims ID:	LCS 410-348994/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	02-Mar-2023 02:53:00	ALS Bottle#:	0	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 410-348994/2-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	02-Mar-2023 08:58:04	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1607				
First Level Reviewer: UAMZ		Date:	02-Mar-2023 08:57:55		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	10.5	69.44
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	7.73	51.84

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	9.56	63.40
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	7.61	51.05

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-UF-20230222 MS Lab Sample ID: 410-116613-1 MS

Matrix: Water Lab File ID: 41PEST23024025.069.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:02

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 248.8(mL) Date Analyzed: 03/02/2023 16:35

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0697	J	0.10	0.010
319-84-6	alpha-BHC	0.0892	J	0.10	0.015
5103-71-9	alpha-Chlordane	0.101		0.10	0.015
319-85-7	beta-BHC	0.116	J	0.15	0.055
60-57-1	Dieldrin	0.173		0.15	0.027
959-98-8	Endosulfan I	0.0951	J	0.10	0.022
33213-65-9	Endosulfan II	0.191	J	0.20	0.075
1031-07-8	Endosulfan sulfate	0.198		0.15	0.029
72-20-8	Endrin	0.183		0.15	0.041
7421-93-4	Endrin aldehyde	0.182	J	0.50	0.10
53494-70-5	Endrin ketone	0.194		0.15	0.025
58-89-9	gamma-BHC (Lindane)	0.0966	J	0.10	0.010
5103-74-2	gamma-Chlordane	0.0976	J	0.20	0.035
76-44-8	Heptachlor	0.0867	J	0.10	0.010
1024-57-3	Heptachlor epoxide	0.0993	J	0.10	0.012
8001-35-2	Toxaphene	ND		5.0	1.5
72-54-8	p,p'-DDD	0.181		0.15	0.025
72-55-9	p,p'-DDE	0.157		0.15	0.025

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	74		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	74		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.069.D
Lims ID: 410-116613-B-1-A MS
Client ID: MW-3-UF-20230222
Sample Type: MS
Inject. Date: 02-Mar-2023 16:35:00 ALS Bottle#: 0 Worklist Smp#: 69
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-1-A MS df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:37:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	141356343H	3.02	2.24	
2	2.568	2.573	-0.005	77161439H	3.02	2.20	
						RPD = 1.69	
2 alpha-BHC							
1	2.457	2.457	0.000	84683095H	1.00	0.8875	
2	2.988	2.993	-0.005	72676725H	1.00	0.7734	
						RPD = 13.74	
3 Hexachlorobenzene							
1	2.368	2.367	0.001	189704H		0.002310	
2	3.095	3.083	0.012	248899H		0.002515	
						RPD = 8.49	
4 gamma-BHC (Lindane)							
1	2.830	2.830	0.000	85857240H	1.00	0.9612	
2	3.330	3.335	-0.005	74563527H	1.00	0.7977	
						RPD = 18.58	
5 beta-BHC							
1	3.082	3.082	0.000	47780033H	1.00	1.16	
2	3.592	3.597	-0.005	36996155H	1.00	1.07	
						RPD = 8.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.362	3.370	-0.008	303166628H	1.00	2.93	
2	3.838	3.845	-0.007	85988931H	1.00	0.7955	
						RPD = 114.61	
8 Heptachlor							
1	3.197	3.197	0.000	67436097H	1.00	0.8632	
2	3.912	3.918	-0.006	351486226H	1.00	3.29	
						RPD = 116.85	
9 Aldrin							
1	3.505	3.505	0.000	67117118H	1.00	0.6934	
2	4.207	4.212	-0.005	65532114H	1.00	0.5884	
						RPD = 16.39	
10 Isobenzan							
1	3.613	3.618	-0.005	297922H		0.004679	
2	4.325	4.320	0.005	476250H		0.006277	
						RPD = 29.18	
11 Heptachlor epoxide							
1	4.010	4.010	0.000	91604758H	1.00	0.9886	
2	4.578	4.583	-0.005	91522395H	1.00	0.9337	
						RPD = 5.71	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.212	4.213	-0.001	95038569H	1.00	0.9710	
2	4.837	4.842	-0.005	83891469H	1.00	0.8724	
						RPD = 10.70	
14 cis-Chlordane							
1	4.295	4.295	0.000	99250831H	1.00	1.01	
2	4.878	4.882	-0.004	79233522H	1.00	0.8763	
						RPD = 13.88	
15 Endosulfan I							
1	4.342	4.340	0.002	87673735H	1.00	0.9466	
2	4.907	4.913	-0.006	75688302H	1.00	0.8285	
						RPD = 13.31	
16 4,4'-DDE							
1	4.468	4.468	0.000	161284097H	2.00	1.56	
2	4.992	4.997	-0.005	142146179H	2.00	1.40	
						RPD = 11.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.642	4.637	0.005	2739933H		0.0530	
2	5.077	5.072	0.005	338056H		0.007499	
						RPD = 150.44	
18 Dieldrin							
1	4.578	4.578	0.000	178458220H	2.00	1.72	
2	5.108	5.113	-0.005	156182274H	2.00	1.45	
						RPD = 16.74	
19 Endrin							
1	4.830	4.830	0.000	168928901H	2.00	1.82	
2	5.285	5.290	-0.005	147419732H	2.00	1.59	
						RPD = 13.45	
20 2,4'-DDT							
1		4.858				ND	
2		5.308					
22 4,4'-DDD							
1	4.927	4.927	0.000	154272668H	2.00	1.80	
2	5.382	5.387	-0.005	113181603H	2.00	1.53	
						RPD = 16.58	
23 Endosulfan II							
1	5.038	5.038	0.000	174403812H	2.00	1.90	
2	5.478	5.483	-0.005	141100384H	2.00	1.66	
						RPD = 13.38	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1		4.942				ND	
2		5.542					
25 Endrin aldehyde							
1	5.212	5.212	0.000	137596426H	2.00	1.81	
2	5.560	5.565	-0.005	100949047H	2.00	1.56	
						RPD = 14.67	
26 4,4'-DDT							
1	5.138	5.138	0.000	94601509H	2.00	1.62	
2	5.608	5.613	-0.005	78864897H	2.00	1.22	
						RPD = 27.94	
27 Endosulfan sulfate							
1	5.362	5.362	0.000	168061889H	2.00	1.97	
2	5.765	5.768	-0.003	135330812H	2.00	1.74	
						RPD = 12.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	261991083H	10.0	8.73	
2	5.918	5.922	-0.004	255090304H	10.0	7.13	
						RPD = 20.25	
29 Endrin ketone							
1	5.798	5.798	0.000	180199997H	2.00	1.93	
2	6.068	6.073	-0.005	142090343H	2.00	1.79	
						RPD = 7.86	
30 Mirex							
1	5.892	5.895	-0.003	717963H		0.0122	
2	6.433	6.433	0.000	229820H		0.005457	
						RPD = 76.40	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	207167438H	2.98	2.22	
2	7.113	7.118	-0.005	129369623H	2.98	2.09	
						RPD = 5.76	
S 32 Total DDTs							
1						1.62	
2						1.22	
						RPD = 27.94	
S 33 Endosulfan, Total							
1						2.85	
2						2.49	
						RPD = 13.36	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:11 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.069.D

Injection Date: 02-Mar-2023 16:35:00 Instrument ID: 9147

Lims ID: 410-116613-B-1-A MS

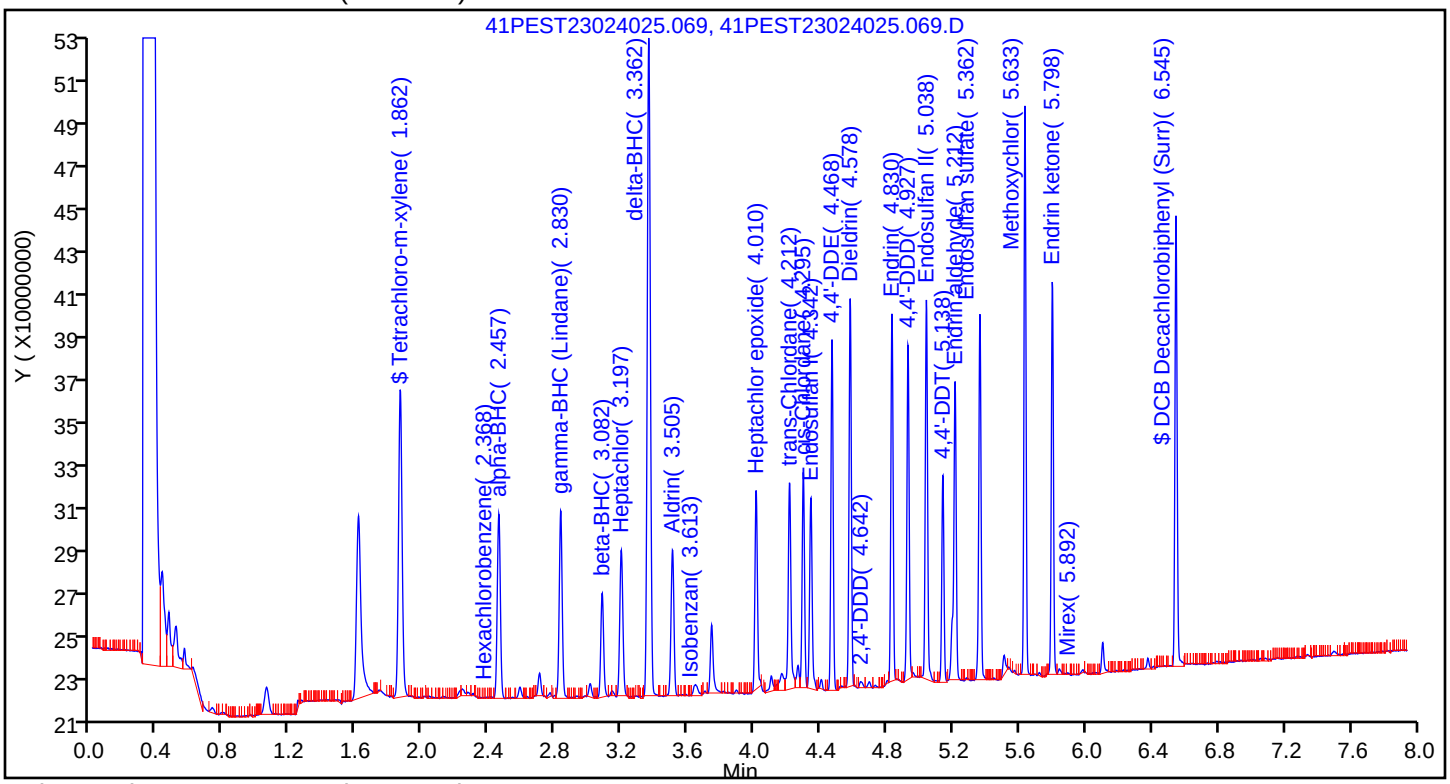
Client ID: MW-3-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 69

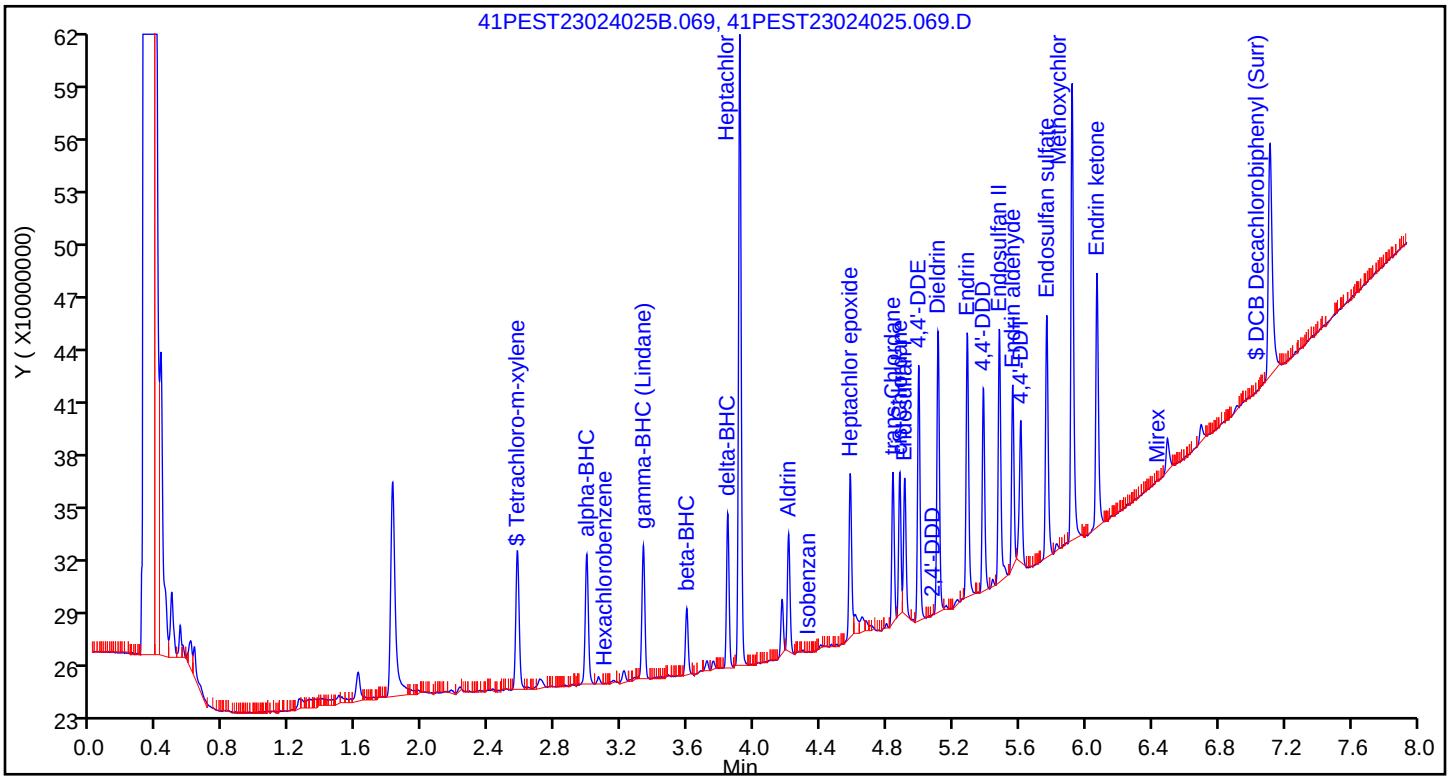
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.069.D				
Lims ID:	410-116613-B-1-A MS				
Client ID:	MW-3-UF-20230222				
Sample Type:	MS				
Inject. Date:	02-Mar-2023 16:35:00	ALS Bottle#:	0	Worklist Smp#:	69
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-1-A MS df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:37:58		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.24	74.19
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.22	74.37

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.20	72.95
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.09	70.20

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-UF-20230222 MS Lab Sample ID: 410-116613-1 MS

Matrix: Water Lab File ID: 41PEST23024025.069.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:02

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 248.8(mL) Date Analyzed: 03/02/2023 16:35

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	0.0799	J	0.10	0.017
72-43-5	Methoxychlor	0.716		0.55	0.15
50-29-3	p,p'-DDT	0.123	J	0.15	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	70		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	73		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.069.D
Lims ID: 410-116613-B-1-A MS
Client ID: MW-3-UF-20230222
Sample Type: MS
Inject. Date: 02-Mar-2023 16:35:00 ALS Bottle#: 0 Worklist Smp#: 69
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-1-A MS df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:37:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.862	1.862	0.000	141356343H	3.02	2.24	
2	2.568	2.573	-0.005	77161439H	3.02	2.20	
						RPD = 1.69	
2 alpha-BHC							
1	2.457	2.457	0.000	84683095H	1.00	0.8875	
2	2.988	2.993	-0.005	72676725H	1.00	0.7734	
						RPD = 13.74	
3 Hexachlorobenzene							
1	2.368	2.367	0.001	189704H		0.002310	
2	3.095	3.083	0.012	248899H		0.002515	
						RPD = 8.49	
4 gamma-BHC (Lindane)							
1	2.830	2.830	0.000	85857240H	1.00	0.9612	
2	3.330	3.335	-0.005	74563527H	1.00	0.7977	
						RPD = 18.58	
5 beta-BHC							
1	3.082	3.082	0.000	47780033H	1.00	1.16	
2	3.592	3.597	-0.005	36996155H	1.00	1.07	
						RPD = 8.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.362	3.370	-0.008	303166628H	1.00	2.93	
2	3.838	3.845	-0.007	85988931H	1.00	0.7955	
						RPD = 114.61	
8 Heptachlor							
1	3.197	3.197	0.000	67436097H	1.00	0.8632	
2	3.912	3.918	-0.006	351486226H	1.00	3.29	
						RPD = 116.85	
9 Aldrin							
1	3.505	3.505	0.000	67117118H	1.00	0.6934	
2	4.207	4.212	-0.005	65532114H	1.00	0.5884	
						RPD = 16.39	
10 Isobenzan							
1	3.613	3.618	-0.005	297922H		0.004679	
2	4.325	4.320	0.005	476250H		0.006277	
						RPD = 29.18	
11 Heptachlor epoxide							
1	4.010	4.010	0.000	91604758H	1.00	0.9886	
2	4.578	4.583	-0.005	91522395H	1.00	0.9337	
						RPD = 5.71	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.212	4.213	-0.001	95038569H	1.00	0.9710	
2	4.837	4.842	-0.005	83891469H	1.00	0.8724	
						RPD = 10.70	
14 cis-Chlordane							
1	4.295	4.295	0.000	99250831H	1.00	1.01	
2	4.878	4.882	-0.004	79233522H	1.00	0.8763	
						RPD = 13.88	
15 Endosulfan I							
1	4.342	4.340	0.002	87673735H	1.00	0.9466	
2	4.907	4.913	-0.006	75688302H	1.00	0.8285	
						RPD = 13.31	
16 4,4'-DDE							
1	4.468	4.468	0.000	161284097H	2.00	1.56	
2	4.992	4.997	-0.005	142146179H	2.00	1.40	
						RPD = 11.22	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.642	4.637	0.005	2739933H		0.0530	
2	5.077	5.072	0.005	338056H		0.007499	
						RPD = 150.44	
18 Dieldrin							
1	4.578	4.578	0.000	178458220H	2.00	1.72	
2	5.108	5.113	-0.005	156182274H	2.00	1.45	
						RPD = 16.74	
19 Endrin							
1	4.830	4.830	0.000	168928901H	2.00	1.82	
2	5.285	5.290	-0.005	147419732H	2.00	1.59	
						RPD = 13.45	
20 2,4'-DDT							
1		4.858				ND	
2		5.308					
22 4,4'-DDD							
1	4.927	4.927	0.000	154272668H	2.00	1.80	
2	5.382	5.387	-0.005	113181603H	2.00	1.53	
						RPD = 16.58	
23 Endosulfan II							
1	5.038	5.038	0.000	174403812H	2.00	1.90	
2	5.478	5.483	-0.005	141100384H	2.00	1.66	
						RPD = 13.38	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1		4.942				ND	
2		5.542					
25 Endrin aldehyde							
1	5.212	5.212	0.000	137596426H	2.00	1.81	
2	5.560	5.565	-0.005	100949047H	2.00	1.56	
						RPD = 14.67	
26 4,4'-DDT							
1	5.138	5.138	0.000	94601509H	2.00	1.62	
2	5.608	5.613	-0.005	78864897H	2.00	1.22	
						RPD = 27.94	
27 Endosulfan sulfate							
1	5.362	5.362	0.000	168061889H	2.00	1.97	
2	5.765	5.768	-0.003	135330812H	2.00	1.74	
						RPD = 12.09	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	261991083H	10.0	8.73	
2	5.918	5.922	-0.004	255090304H	10.0	7.13	
						RPD = 20.25	
29 Endrin ketone							
1	5.798	5.798	0.000	180199997H	2.00	1.93	
2	6.068	6.073	-0.005	142090343H	2.00	1.79	
						RPD = 7.86	
30 Mirex							
1	5.892	5.895	-0.003	717963H		0.0122	
2	6.433	6.433	0.000	229820H		0.005457	
						RPD = 76.40	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.545	6.545	0.000	207167438H	2.98	2.22	
2	7.113	7.118	-0.005	129369623H	2.98	2.09	
						RPD = 5.76	
S 32 Total DDTs							
1						1.62	
2						1.22	
						RPD = 27.94	
S 33 Endosulfan, Total							
1						2.85	
2						2.49	
						RPD = 13.36	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:11 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.069.D

Injection Date: 02-Mar-2023 16:35:00 Instrument ID: 9147

Lims ID: 410-116613-B-1-A MS

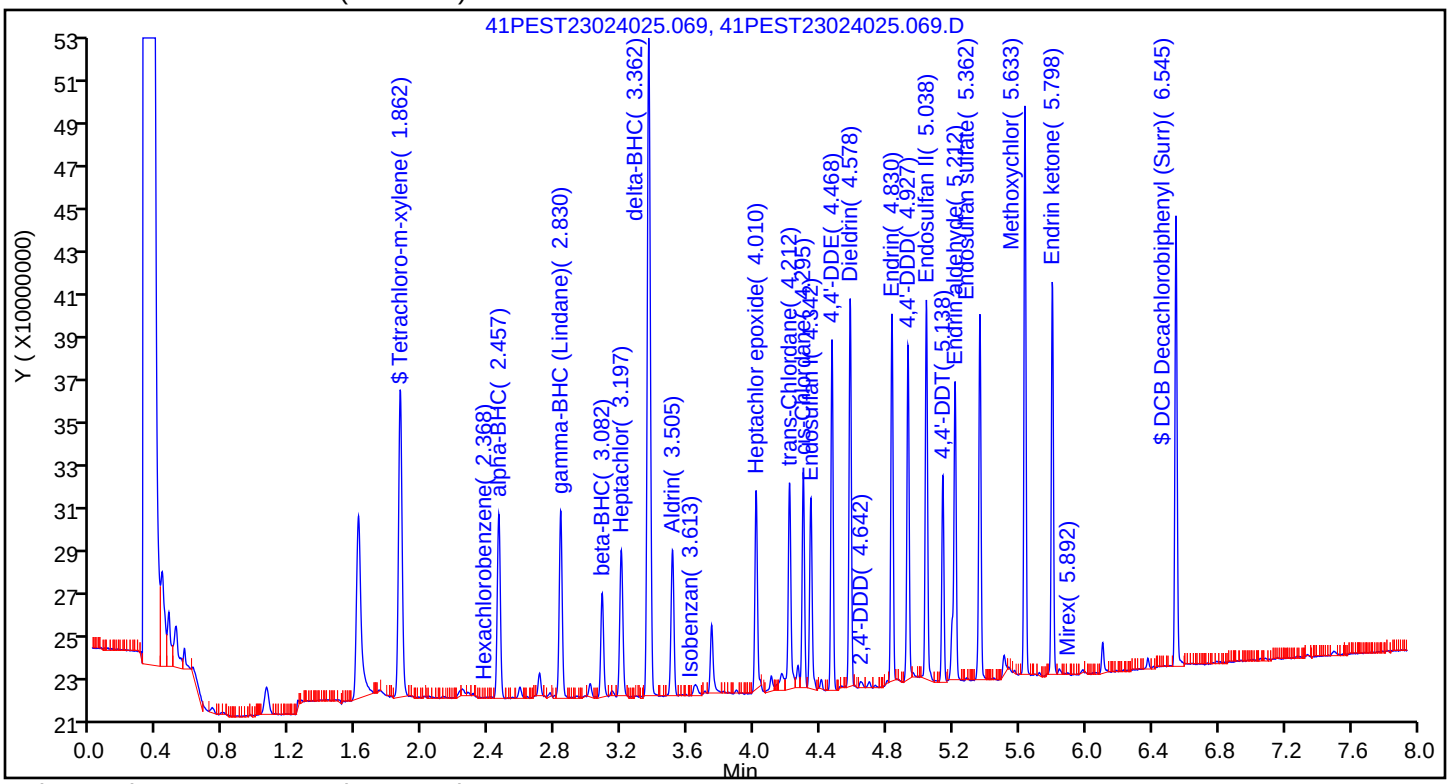
Client ID: MW-3-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 69

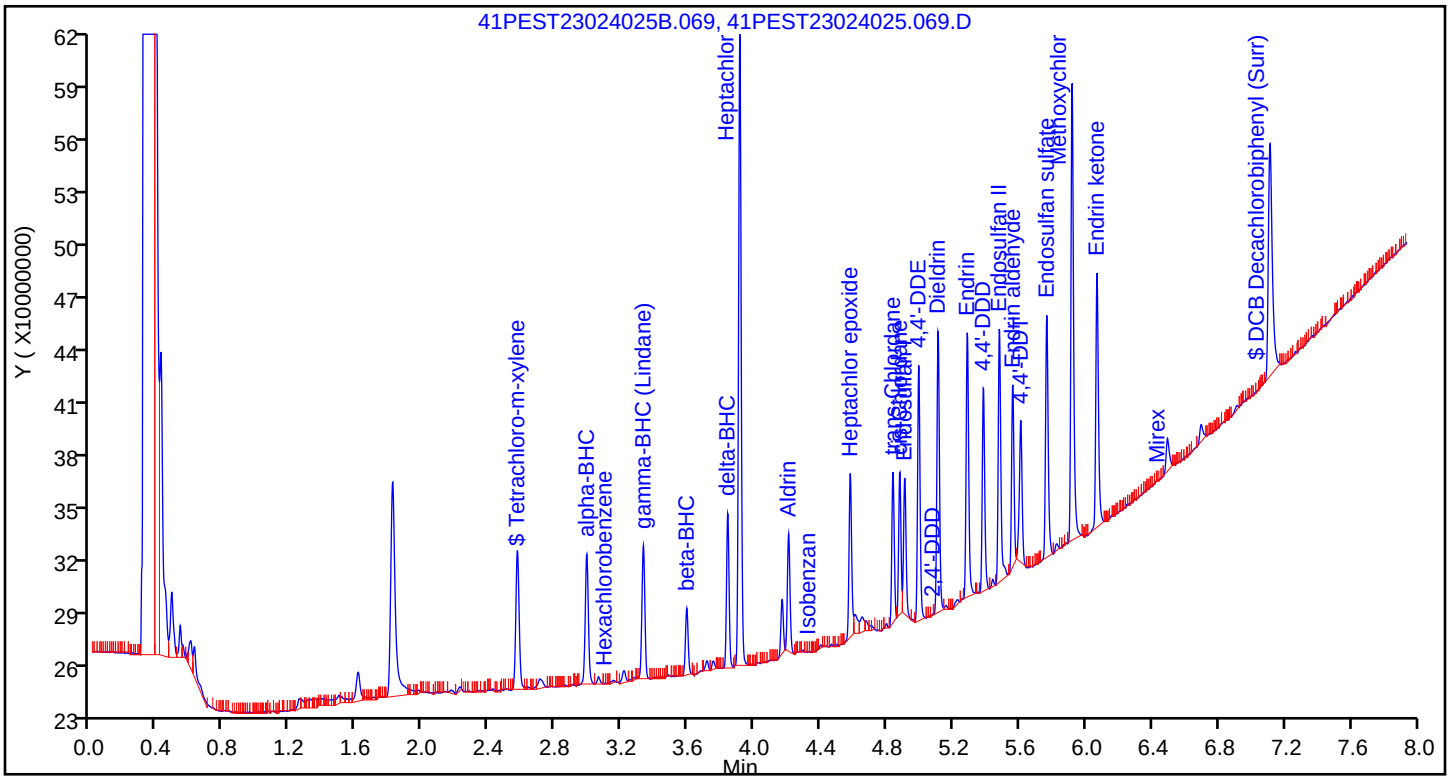
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.069.D				
Lims ID:	410-116613-B-1-A MS				
Client ID:	MW-3-UF-20230222				
Sample Type:	MS				
Inject. Date:	02-Mar-2023 16:35:00	ALS Bottle#:	0	Worklist Smp#:	69
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-1-A MS df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:37:58		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.24	74.19
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.22	74.37

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.20	72.95
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.09	70.20

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-F-20230222 MS Lab Sample ID: 410-116613-2 MS

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.072.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:07

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 246.7(mL) Date Analyzed: 03/02/2023 17:19

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0620	J	0.10	0.010
319-84-6	alpha-BHC	0.0704	J	0.10	0.015
5103-71-9	alpha-Chlordane	0.0729	J	0.10	0.015
319-85-7	beta-BHC	0.0870	J	0.15	0.056
319-86-8	delta-BHC	0.0714	J	0.10	0.017
60-57-1	Dieldrin	0.131	J	0.15	0.027
959-98-8	Endosulfan I	0.0729	J	0.10	0.022
33213-65-9	Endosulfan II	0.146	J	0.20	0.076
1031-07-8	Endosulfan sulfate	0.154		0.15	0.029
72-20-8	Endrin	0.145	J	0.15	0.041
7421-93-4	Endrin aldehyde	0.146	J	0.51	0.10
53494-70-5	Endrin ketone	0.156		0.15	0.025
58-89-9	gamma-BHC (Lindane)	0.0742	J	0.10	0.010
76-44-8	Heptachlor	0.0747	J	0.10	0.010
8001-35-2	Toxaphene	ND		5.1	1.5
72-54-8	p,p'-DDD	0.148	J	0.15	0.025
72-55-9	p,p'-DDE	0.134	J	0.15	0.025

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	72		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	61		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.072.D
Lims ID: 410-116613-B-2-A MS
Client ID: MW-3-F-20230222
Sample Type: MS
Inject. Date: 02-Mar-2023 17:19:00 ALS Bottle#: 0 Worklist Smp#: 72
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-2-A MS df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:36:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.858	1.862	-0.004	117086488H	3.02	1.85	
2	2.572	2.573	-0.001	61640688H	3.02	1.76	
						RPD = 5.31	
2 alpha-BHC							
1	2.453	2.457	-0.004	66252113H	1.00	0.6944	
2	2.992	2.993	-0.001	54685091H	1.00	0.5820	
						RPD = 17.62	
3 Hexachlorobenzene							
1	2.358	2.367	-0.009	3970676H		0.0484	
2	3.082	3.083	-0.001	3550115H		0.0359	
						RPD = 29.64	
4 gamma-BHC (Lindane)							
1	2.827	2.830	-0.003	65407524H	1.00	0.7322	
2	3.333	3.335	-0.002	56931978H	1.00	0.6091	
						RPD = 18.36	
5 beta-BHC							
1	3.078	3.082	-0.004	35467374H	1.00	0.8590	
2	3.595	3.597	-0.002	28412230H	1.00	0.8198	
						RPD = 4.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.367	3.370	-0.003	72867883H	1.00	0.7044	
2	3.842	3.845	-0.003	51708762H	1.00	0.4783	
						RPD = 38.22	
8 Heptachlor							
1	3.193	3.197	-0.004	57620365H	1.00	0.7375	
2	3.918	3.918	0.000	74152231H	1.00	0.6939	
						RPD = 6.09	
9 Aldrin							
1	3.502	3.505	-0.003	59190722H	1.00	0.6115	
2	4.210	4.212	-0.002	56358111H	1.00	0.5060	
						RPD = 18.88	
10 Isobenzan							
1	3.610	3.618	-0.008	3772953H		0.0593	
2	4.323	4.320	0.003	122275H		0.001612	
						RPD = 189.41	
11 Heptachlor epoxide							
1	4.007	4.010	-0.003	68791768H	1.00	0.7424	
2	4.582	4.583	-0.001	45581180H	1.00	0.4650	
						RPD = 45.94	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.202	4.213	-0.011	208123764H	1.00	2.13	
2	4.840	4.842	-0.002	58713317H	1.00	0.6106	
						RPD = 110.77	
14 cis-Chlordane							
1	4.292	4.295	-0.003	70875934H	1.00	0.7191	
2	4.882	4.882	0.000	50523455H	1.00	0.5588	
						RPD = 25.09	
15 Endosulfan I							
1	4.337	4.340	-0.003	66601386H	1.00	0.7191	
2	4.910	4.913	-0.003	51318145H	1.00	0.5617	
						RPD = 24.57	
16 4,4'-DDE							
1	4.465	4.468	-0.003	136076460H	2.00	1.32	
2	4.995	4.997	-0.002	117181834H	2.00	1.15	
						RPD = 13.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.638	4.637	0.001	321958H		0.006231	
2	5.073	5.072	0.001	1020677H		0.0226	
						RPD = 113.68	
18 Dieldrin							
1	4.573	4.578	-0.005	134193407H	2.00	1.29	
2	5.112	5.113	-0.001	117205290H	2.00	1.09	
						RPD = 16.94	
19 Endrin							
1	4.827	4.830	-0.003	132404505H	2.00	1.43	
2	5.288	5.290	-0.002	112242196H	2.00	1.21	
						RPD = 16.34	
20 2,4'-DDT							
1		4.858				ND	
2		5.308					
22 4,4'-DDD							
1	4.923	4.927	-0.004	125082752H	2.00	1.46	
2	5.385	5.387	-0.002	89478683H	2.00	1.21	
						RPD = 19.09	
23 Endosulfan II							
1	5.035	5.038	-0.003	131970131H	2.00	1.44	
2	5.482	5.483	-0.001	107577422H	2.00	1.27	
						RPD = 12.63	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1		4.942				ND	
2		5.542					
25 Endrin aldehyde							
1	5.208	5.212	-0.004	109489001H	2.00	1.44	
2	5.563	5.565	-0.002	81022282H	2.00	1.25	
						RPD = 13.81	
26 4,4'-DDT							
1	5.133	5.138	-0.005	88021325H	2.00	1.50	
2	5.612	5.613	-0.001	64870844H	2.00	1.00	
						RPD = 39.90	
27 Endosulfan sulfate							
1	5.357	5.362	-0.005	129966942H	2.00	1.52	
2	5.768	5.768	0.000	103956718H	2.00	1.34	
						RPD = 12.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.630	5.633	-0.003	230059253H	10.0	7.67	
2	5.920	5.922	-0.002	210051464H	10.0	5.87	
						RPD = 26.59	
29 Endrin ketone							
1	5.795	5.798	-0.003	143061465H	2.00	1.54	
2	6.072	6.073	-0.001	110005746H	2.00	1.38	
						RPD = 10.37	
30 Mirex							
1	5.888	5.895	-0.007	171211H		0.002910	
2	6.435	6.433	0.002	222555H		0.005284	
						RPD = 57.95	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.542	6.545	-0.003	199210214H	2.98	2.13	
2	7.115	7.118	-0.003	125427658H	2.98	2.03	
						RPD = 4.94	
S 32 Total DDTs							
1						1.50	
2						1.00	
						RPD = 39.90	
S 33 Endosulfan, Total							
1						2.16	
2						1.83	
						RPD = 16.47	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:16 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.072.D

Injection Date: 02-Mar-2023 17:19:00 Instrument ID: 9147

Lims ID: 410-116613-B-2-A MS

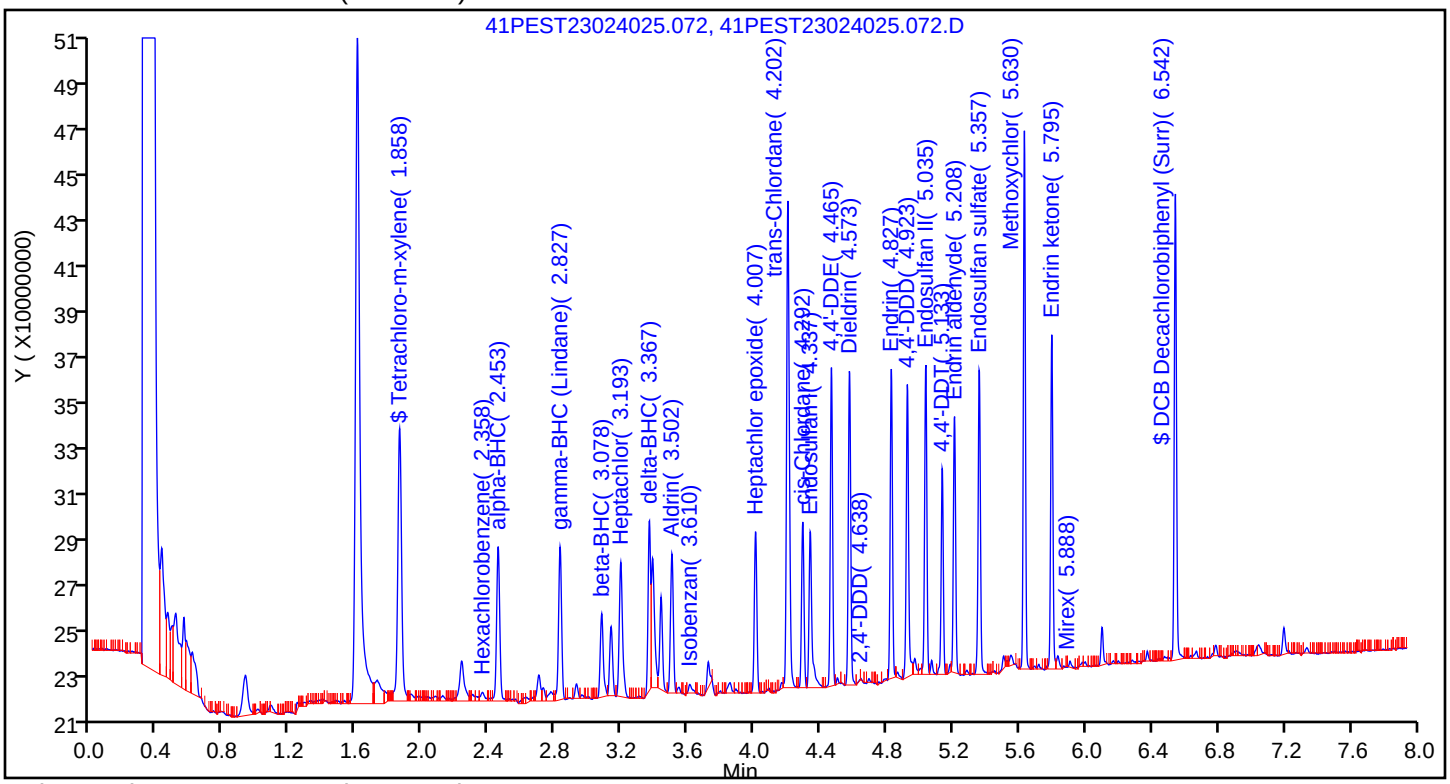
Client ID: MW-3-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 72

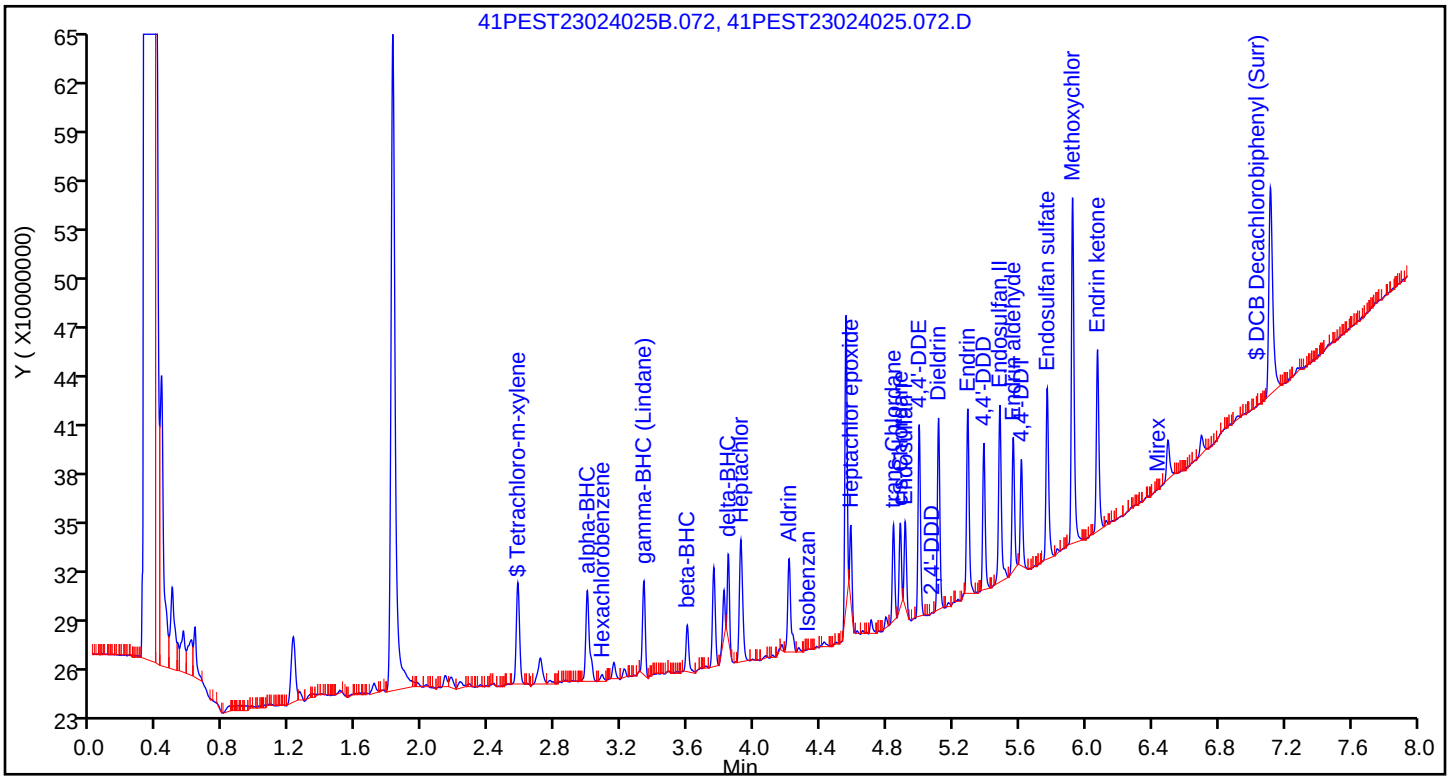
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.072.D				
Lims ID:	410-116613-B-2-A MS				
Client ID:	MW-3-F-20230222				
Sample Type:	MS				
Inject. Date:	02-Mar-2023 17:19:00	ALS Bottle#:	0	Worklist Smp#:	72
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-2-A MS df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:36:34		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.85	61.45
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.13	71.51

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.76	58.27
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.03	68.07

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-F-20230222 MS Lab Sample ID: 410-116613-2 MS

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.072.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:07

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 246.7(mL) Date Analyzed: 03/02/2023 17:19

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-74-2	gamma-Chlordane	0.0619	J	0.20	0.035
1024-57-3	Heptachlor epoxide	0.0471	J	0.10	0.012
72-43-5	Methoxychlor	0.595		0.56	0.15
50-29-3	p,p'-DDT	0.102	J	0.15	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	68		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	58		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.072.D
Lims ID: 410-116613-B-2-A MS
Client ID: MW-3-F-20230222
Sample Type: MS
Inject. Date: 02-Mar-2023 17:19:00 ALS Bottle#: 0 Worklist Smp#: 72
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-2-A MS df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:36:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.858	1.862	-0.004	117086488H	3.02	1.85	
2	2.572	2.573	-0.001	61640688H	3.02	1.76	
						RPD = 5.31	
2 alpha-BHC							
1	2.453	2.457	-0.004	66252113H	1.00	0.6944	
2	2.992	2.993	-0.001	54685091H	1.00	0.5820	
						RPD = 17.62	
3 Hexachlorobenzene							
1	2.358	2.367	-0.009	3970676H		0.0484	
2	3.082	3.083	-0.001	3550115H		0.0359	
						RPD = 29.64	
4 gamma-BHC (Lindane)							
1	2.827	2.830	-0.003	65407524H	1.00	0.7322	
2	3.333	3.335	-0.002	56931978H	1.00	0.6091	
						RPD = 18.36	
5 beta-BHC							
1	3.078	3.082	-0.004	35467374H	1.00	0.8590	
2	3.595	3.597	-0.002	28412230H	1.00	0.8198	
						RPD = 4.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.367	3.370	-0.003	72867883H	1.00	0.7044	
2	3.842	3.845	-0.003	51708762H	1.00	0.4783	
						RPD = 38.22	
8 Heptachlor							
1	3.193	3.197	-0.004	57620365H	1.00	0.7375	
2	3.918	3.918	0.000	74152231H	1.00	0.6939	
						RPD = 6.09	
9 Aldrin							
1	3.502	3.505	-0.003	59190722H	1.00	0.6115	
2	4.210	4.212	-0.002	56358111H	1.00	0.5060	
						RPD = 18.88	
10 Isobenzan							
1	3.610	3.618	-0.008	3772953H		0.0593	
2	4.323	4.320	0.003	122275H		0.001612	
						RPD = 189.41	
11 Heptachlor epoxide							
1	4.007	4.010	-0.003	68791768H	1.00	0.7424	
2	4.582	4.583	-0.001	45581180H	1.00	0.4650	
						RPD = 45.94	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.202	4.213	-0.011	208123764H	1.00	2.13	
2	4.840	4.842	-0.002	58713317H	1.00	0.6106	
						RPD = 110.77	
14 cis-Chlordane							
1	4.292	4.295	-0.003	70875934H	1.00	0.7191	
2	4.882	4.882	0.000	50523455H	1.00	0.5588	
						RPD = 25.09	
15 Endosulfan I							
1	4.337	4.340	-0.003	66601386H	1.00	0.7191	
2	4.910	4.913	-0.003	51318145H	1.00	0.5617	
						RPD = 24.57	
16 4,4'-DDE							
1	4.465	4.468	-0.003	136076460H	2.00	1.32	
2	4.995	4.997	-0.002	117181834H	2.00	1.15	
						RPD = 13.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.638	4.637	0.001	321958H		0.006231	
2	5.073	5.072	0.001	1020677H		0.0226	
						RPD = 113.68	
18 Dieldrin							
1	4.573	4.578	-0.005	134193407H	2.00	1.29	
2	5.112	5.113	-0.001	117205290H	2.00	1.09	
						RPD = 16.94	
19 Endrin							
1	4.827	4.830	-0.003	132404505H	2.00	1.43	
2	5.288	5.290	-0.002	112242196H	2.00	1.21	
						RPD = 16.34	
20 2,4'-DDT							
1		4.858				ND	
2		5.308					
22 4,4'-DDD							
1	4.923	4.927	-0.004	125082752H	2.00	1.46	
2	5.385	5.387	-0.002	89478683H	2.00	1.21	
						RPD = 19.09	
23 Endosulfan II							
1	5.035	5.038	-0.003	131970131H	2.00	1.44	
2	5.482	5.483	-0.001	107577422H	2.00	1.27	
						RPD = 12.63	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1		4.942				ND	
2		5.542					
25 Endrin aldehyde							
1	5.208	5.212	-0.004	109489001H	2.00	1.44	
2	5.563	5.565	-0.002	81022282H	2.00	1.25	
						RPD = 13.81	
26 4,4'-DDT							
1	5.133	5.138	-0.005	88021325H	2.00	1.50	
2	5.612	5.613	-0.001	64870844H	2.00	1.00	
						RPD = 39.90	
27 Endosulfan sulfate							
1	5.357	5.362	-0.005	129966942H	2.00	1.52	
2	5.768	5.768	0.000	103956718H	2.00	1.34	
						RPD = 12.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.630	5.633	-0.003	230059253H	10.0	7.67	
2	5.920	5.922	-0.002	210051464H	10.0	5.87	
						RPD = 26.59	
29 Endrin ketone							
1	5.795	5.798	-0.003	143061465H	2.00	1.54	
2	6.072	6.073	-0.001	110005746H	2.00	1.38	
						RPD = 10.37	
30 Mirex							
1	5.888	5.895	-0.007	171211H		0.002910	
2	6.435	6.433	0.002	222555H		0.005284	
						RPD = 57.95	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.542	6.545	-0.003	199210214H	2.98	2.13	
2	7.115	7.118	-0.003	125427658H	2.98	2.03	
						RPD = 4.94	
S 32 Total DDTs							
1						1.50	
2						1.00	
						RPD = 39.90	
S 33 Endosulfan, Total							
1						2.16	
2						1.83	
						RPD = 16.47	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:16 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.072.D

Injection Date: 02-Mar-2023 17:19:00 Instrument ID: 9147

Lims ID: 410-116613-B-2-A MS

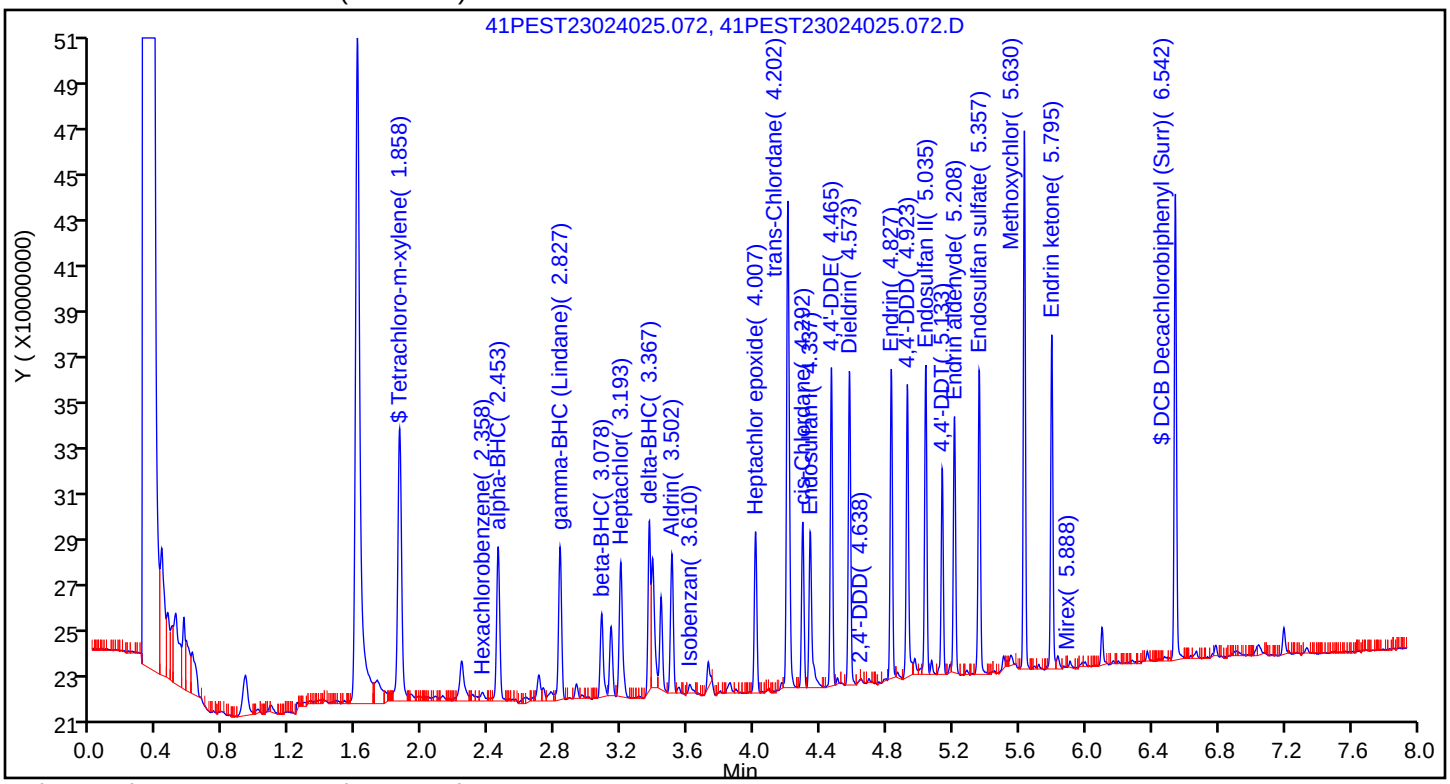
Client ID: MW-3-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 72

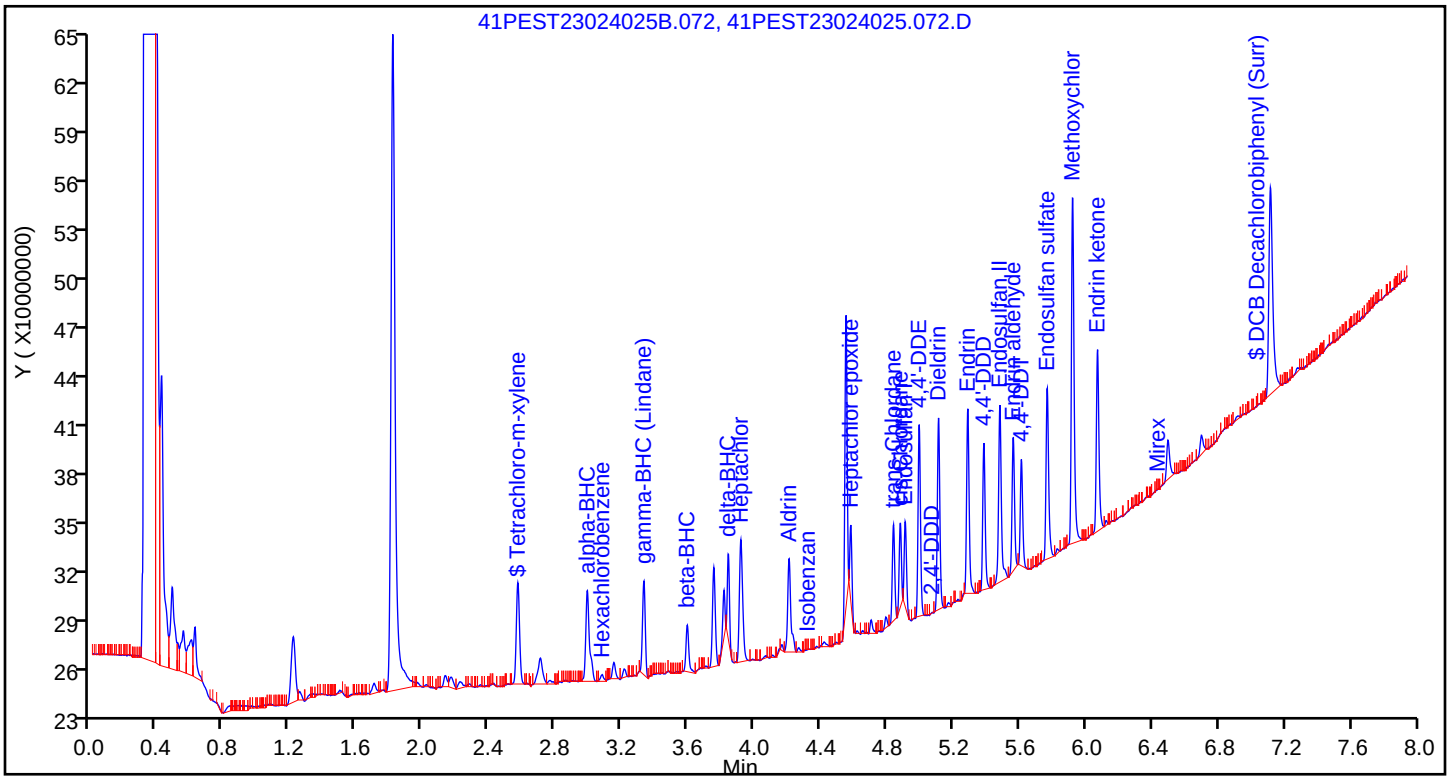
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.072.D				
Lims ID:	410-116613-B-2-A MS				
Client ID:	MW-3-F-20230222				
Sample Type:	MS				
Inject. Date:	02-Mar-2023 17:19:00	ALS Bottle#:	0	Worklist Smp#:	72
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-2-A MS df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:36:34		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.85	61.45
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.13	71.51

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	1.76	58.27
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.03	68.07

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-UF-20230222 MSD Lab Sample ID: 410-116613-1 MSD

Matrix: Water Lab File ID: 41PEST23024025.070.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:02

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 249.3(mL) Date Analyzed: 03/02/2023 16:49

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0697	J	0.10	0.010
319-84-6	alpha-BHC	0.0819	J	0.10	0.015
5103-71-9	alpha-Chlordane	0.0962	J	0.10	0.015
319-85-7	beta-BHC	0.108	J	0.15	0.055
60-57-1	Dieldrin	0.160		0.15	0.027
959-98-8	Endosulfan I	0.0892	J	0.10	0.022
33213-65-9	Endosulfan II	0.179	J	0.20	0.075
1031-07-8	Endosulfan sulfate	0.185		0.15	0.029
72-20-8	Endrin	0.176		0.15	0.041
7421-93-4	Endrin aldehyde	0.172	J	0.50	0.10
53494-70-5	Endrin ketone	0.185		0.15	0.025
58-89-9	gamma-BHC (Lindane)	0.0862	J	0.10	0.010
76-44-8	Heptachlor	0.0826	J	0.10	0.010
1024-57-3	Heptachlor epoxide	0.0911	J	0.10	0.012
8001-35-2	Toxaphene	ND		5.0	1.5
72-54-8	p,p'-DDD	0.175		0.15	0.025
72-55-9	p,p'-DDE	0.154		0.15	0.025

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	72		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	71		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.070.D
Lims ID: 410-116613-B-1-B MSD
Client ID: MW-3-UF-20230222
Sample Type: MSD
Inject. Date: 02-Mar-2023 16:49:00 ALS Bottle#: 0 Worklist Smp#: 70
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-1-B MSD df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:37:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							M
1	1.863	1.862	0.001	134965995H	3.02	2.14	M
2	2.570	2.573	-0.003	72707575H	3.02	2.07	
						RPD = 3.01	
2 alpha-BHC							
1	2.458	2.457	0.001	77945945H	1.00	0.8169	
2	2.990	2.993	-0.003	66177893H	1.00	0.7043	
						RPD = 14.81	
3 Hexachlorobenzene							
1	2.362	2.367	-0.005	371778H		0.004528	
2	3.095	3.083	0.012	237961H		0.002405	
						RPD = 61.25	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	76779303H	1.00	0.8595	
2	3.332	3.335	-0.003	68355288H	1.00	0.7313	
						RPD = 16.12	
5 beta-BHC							
1	3.082	3.082	0.000	44420223H	1.00	1.08	
2	3.592	3.597	-0.005	34379953H	1.00	0.99	
						RPD = 8.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.363	3.370	-0.007	268481771H	1.00	2.60	
2	3.840	3.845	-0.005	78873082H	1.00	0.7296	
						RPD = 112.22	
8 Heptachlor							
1	3.198	3.197	0.001	64373187H	1.00	0.8240	
2	3.913	3.918	-0.005	281163906H	1.00	2.63	
						RPD = 104.61	
9 Aldrin							
1	3.507	3.505	0.002	67287642H	1.00	0.6952	
2	4.207	4.212	-0.005	57293835H	1.00	0.5144	
						RPD = 29.89	
10 Isobenzan							
1	3.615	3.618	-0.003	5430875H		0.0853	
2	4.317	4.320	-0.003	412394H		0.005436	
						RPD = 176.03	
11 Heptachlor epoxide							
1	4.012	4.010	0.002	84181461H	1.00	0.9085	
2	4.580	4.583	-0.003	74597343H	1.00	0.7611	
						RPD = 17.66	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.207	4.213	-0.006	277740474H	1.00	2.84	
2	4.837	4.842	-0.005	77942460H	1.00	0.8105	
						RPD = 111.13	
14 cis-Chlordane							
1	4.297	4.295	0.002	94597826H	1.00	0.9597	
2	4.878	4.882	-0.004	66882597H	1.00	0.7397	
						RPD = 25.90	
15 Endosulfan I							
1	4.342	4.340	0.002	82376173H	1.00	0.8894	
2	4.908	4.913	-0.005	60565289H	1.00	0.6629	
						RPD = 29.18	
16 4,4'-DDE							
1	4.470	4.468	0.002	158021571H	2.00	1.53	
2	4.993	4.997	-0.004	141911801H	2.00	1.39	
						RPD = 9.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.642	4.637	0.005	1283054H		0.0248	
2	5.073	5.072	0.001	163656H		0.003630	
						RPD = 148.97	
18 Dieldrin							
1	4.580	4.578	0.002	165933629H	2.00	1.60	
2	5.110	5.113	-0.003	150682889H	2.00	1.40	
						RPD = 13.07	
19 Endrin							
1	4.832	4.830	0.002	162708893H	2.00	1.76	
2	5.287	5.290	-0.003	138221525H	2.00	1.49	
						RPD = 16.13	
20 2,4'-DDT							
1	4.867	4.858	0.009	2674682H		0.0571	
2	5.335	5.308	0.027	235547H		0.004643	
						RPD = 169.90	
22 4,4'-DDD							
1	4.928	4.927	0.001	149493051H	2.00	1.75	
2	5.383	5.387	-0.004	110103571H	2.00	1.49	
						RPD = 16.19	
23 Endosulfan II							
1	5.040	5.038	0.002	163742908H	2.00	1.79	
2	5.480	5.483	-0.003	130811585H	2.00	1.54	
						RPD = 14.64	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1		4.942				ND	
2		5.542					
25 Endrin aldehyde							
1	5.213	5.212	0.001	130745618H	2.00	1.72	
2	5.560	5.565	-0.005	93007398H	2.00	1.44	
						RPD = 17.73	
26 4,4'-DDT							
1	5.140	5.138	0.002	101465349H	2.00	1.73	
2	5.610	5.613	-0.003	79377675H	2.00	1.23	
						RPD = 34.14	
27 Endosulfan sulfate							
1	5.363	5.362	0.001	157628813H	2.00	1.85	
2	5.765	5.768	-0.003	127552902H	2.00	1.64	
						RPD = 11.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	264473354H	10.0	8.81	
2	5.920	5.922	-0.002	249400246H	10.0	6.97	
						RPD = 23.41	
29 Endrin ketone							
1	5.800	5.798	0.002	171524803H	2.00	1.84	
2	6.070	6.073	-0.003	131654510H	2.00	1.66	
						RPD = 10.55	
30 Mirex							
1	5.890	5.895	-0.005	77242H		0.001313	
2	6.430	6.433	-0.003	396416H		0.009413	
						RPD = 151.04	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	201677125H	2.98	2.16	
2	7.113	7.118	-0.005	128371875H	2.98	2.08	
						RPD = 3.85	
S 32 Total DDTs							
1						1.79	
2						1.23	
						RPD = 36.91	
S 33 Endosulfan, Total							
1						2.68	
2						2.21	
						RPD = 19.26	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:12 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.070.D

Injection Date: 02-Mar-2023 16:49:00 Instrument ID: 9147

Lims ID: 410-116613-B-1-B MSD

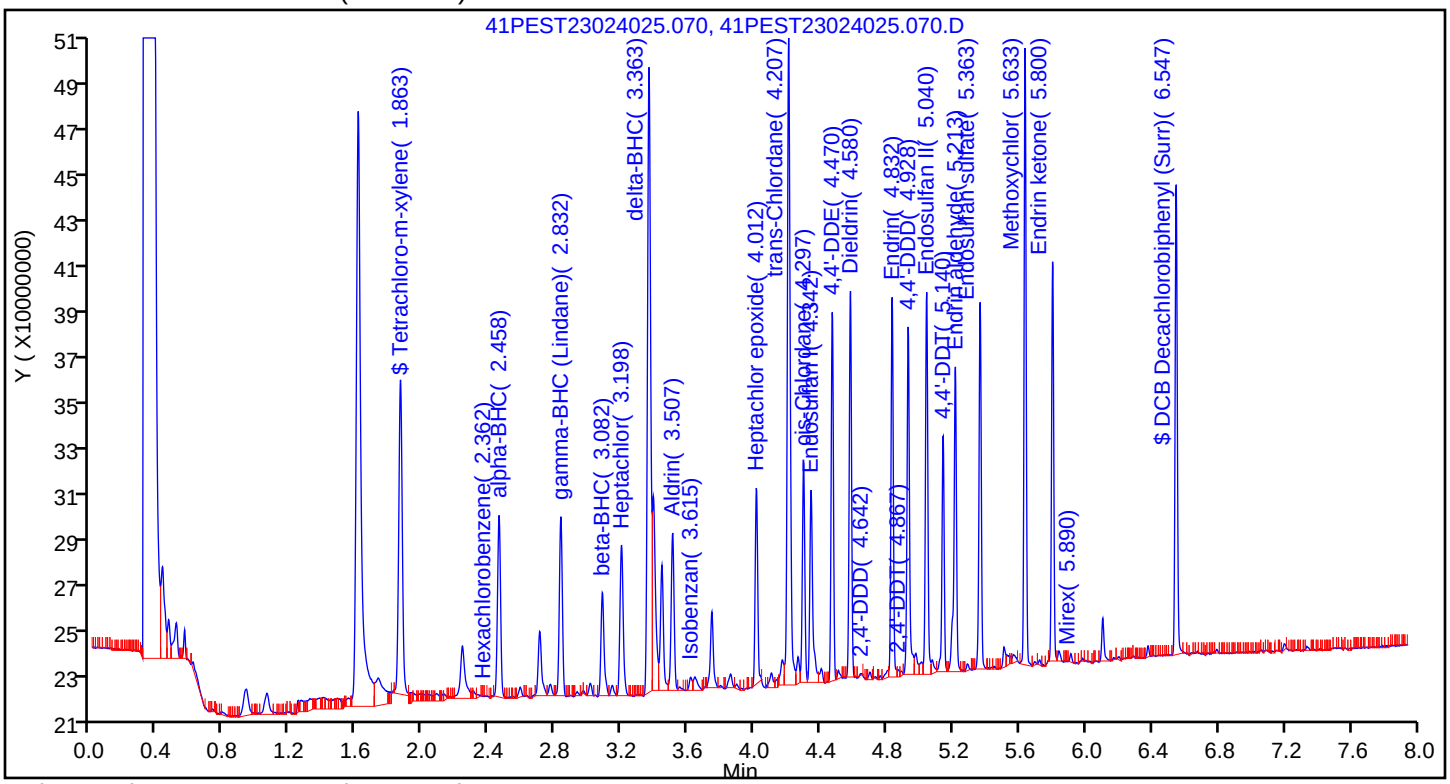
Client ID: MW-3-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 70

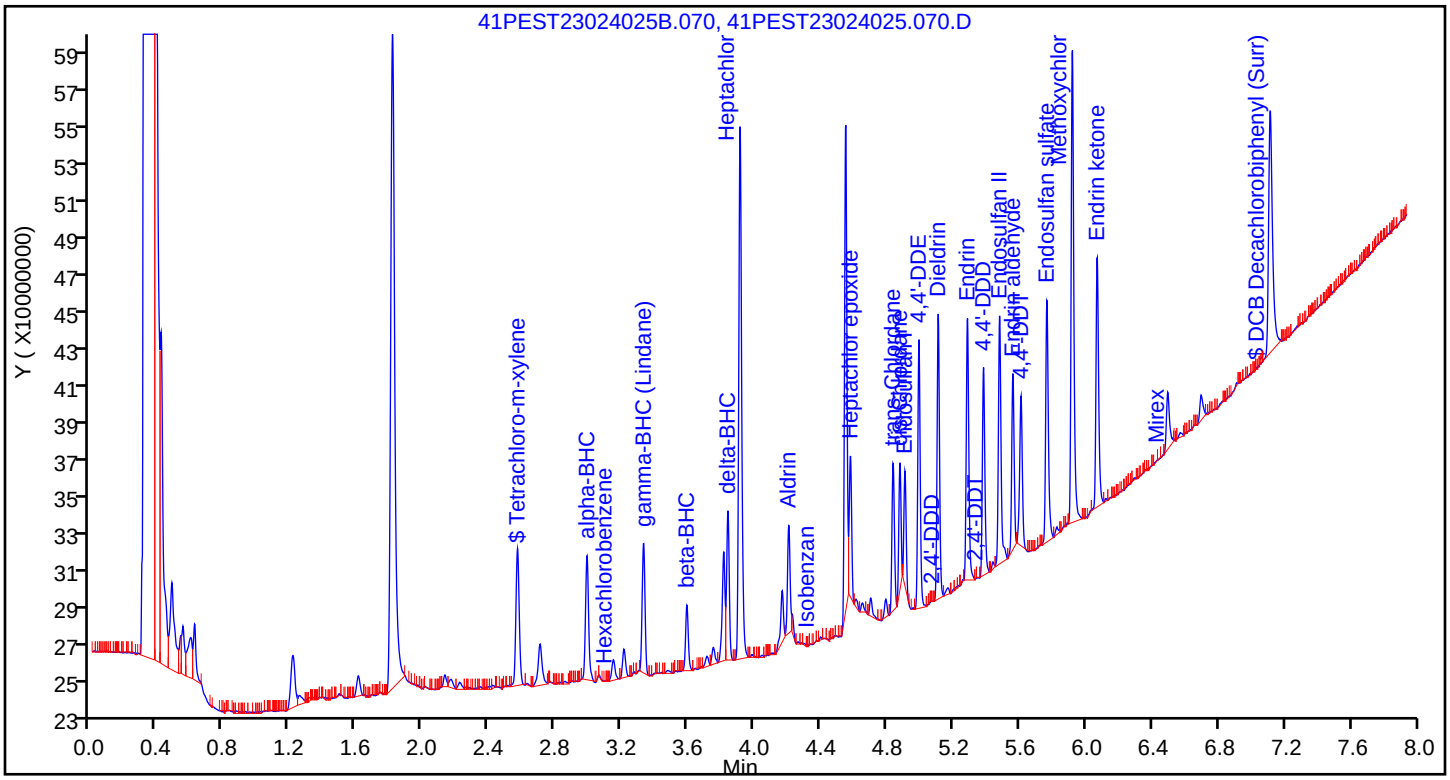
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.070.D				
Lims ID:	410-116613-B-1-B MSD				
Client ID:	MW-3-UF-20230222				
Sample Type:	MSD				
Inject. Date:	02-Mar-2023 16:49:00	ALS Bottle#:	0	Worklist Smp#:	70
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-1-B MSD df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:37:41		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.14	70.83
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.16	72.40

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.07	68.74
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.08	69.66

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

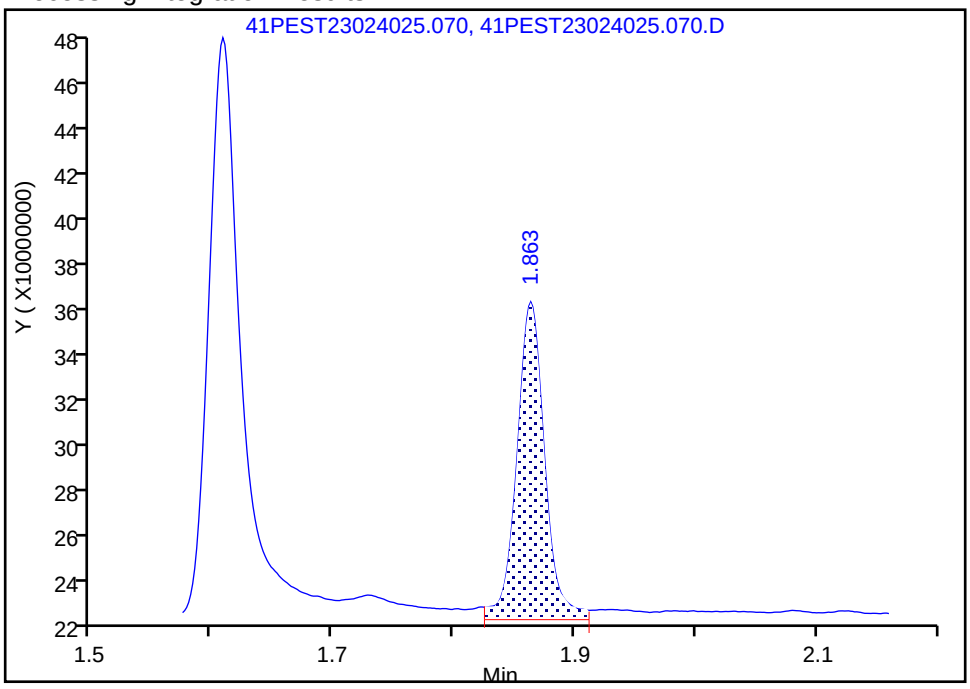
Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.070.D				
Injection Date:	02-Mar-2023 16:49:00	Instrument ID:	9147		
Lims ID:	410-116613-B-1-B MSD				
Client ID:	MW-3-UF-20230222				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	70
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Phenomenex MR2 (0.00 mm)	Detector	1AECDA		

$ 1 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

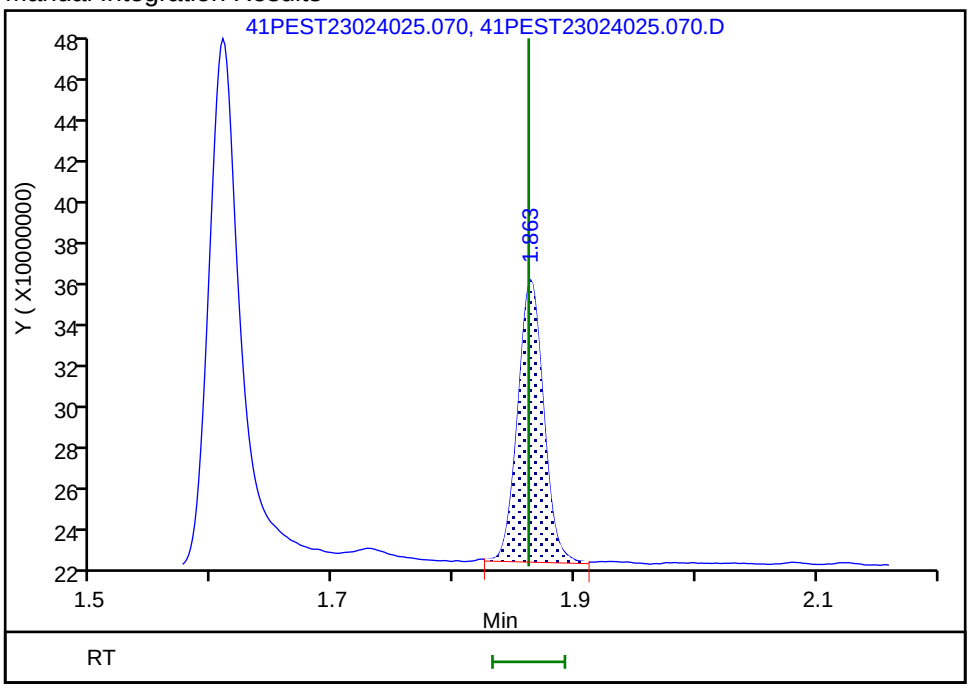
Processing Integration Results

RT: 1.86
Height: 138819072
Amount: 2.197681
Amount Units: ug/l



Manual Integration Results

RT: 1.86
Height: 134965995
Amount: 2.136682
Amount Units: ug/l



Reviewer: UAMZ, 03-Mar-2023 06:37:36
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-UF-20230222 MSD Lab Sample ID: 410-116613-1 MSD

Matrix: Water Lab File ID: 41PEST23024025.070.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:02

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 249.3(mL) Date Analyzed: 03/02/2023 16:49

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-86-8	delta-BHC	0.0732	J	0.10	0.017
5103-74-2	gamma-Chlordane	0.0813	J	0.20	0.035
72-43-5	Methoxychlor	0.699		0.55	0.15
50-29-3	p,p'-DDT	0.123	J	0.15	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	70		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	69		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.070.D
Lims ID: 410-116613-B-1-B MSD
Client ID: MW-3-UF-20230222
Sample Type: MSD
Inject. Date: 02-Mar-2023 16:49:00 ALS Bottle#: 0 Worklist Smp#: 70
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-1-B MSD df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:37:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							M
1	1.863	1.862	0.001	134965995H	3.02	2.14	M
2	2.570	2.573	-0.003	72707575H	3.02	2.07	
						RPD = 3.01	
2 alpha-BHC							
1	2.458	2.457	0.001	77945945H	1.00	0.8169	
2	2.990	2.993	-0.003	66177893H	1.00	0.7043	
						RPD = 14.81	
3 Hexachlorobenzene							
1	2.362	2.367	-0.005	371778H		0.004528	
2	3.095	3.083	0.012	237961H		0.002405	
						RPD = 61.25	
4 gamma-BHC (Lindane)							
1	2.832	2.830	0.002	76779303H	1.00	0.8595	
2	3.332	3.335	-0.003	68355288H	1.00	0.7313	
						RPD = 16.12	
5 beta-BHC							
1	3.082	3.082	0.000	44420223H	1.00	1.08	
2	3.592	3.597	-0.005	34379953H	1.00	0.99	
						RPD = 8.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.363	3.370	-0.007	268481771H	1.00	2.60	
2	3.840	3.845	-0.005	78873082H	1.00	0.7296	
						RPD = 112.22	
8 Heptachlor							
1	3.198	3.197	0.001	64373187H	1.00	0.8240	
2	3.913	3.918	-0.005	281163906H	1.00	2.63	
						RPD = 104.61	
9 Aldrin							
1	3.507	3.505	0.002	67287642H	1.00	0.6952	
2	4.207	4.212	-0.005	57293835H	1.00	0.5144	
						RPD = 29.89	
10 Isobenzan							
1	3.615	3.618	-0.003	5430875H		0.0853	
2	4.317	4.320	-0.003	412394H		0.005436	
						RPD = 176.03	
11 Heptachlor epoxide							
1	4.012	4.010	0.002	84181461H	1.00	0.9085	
2	4.580	4.583	-0.003	74597343H	1.00	0.7611	
						RPD = 17.66	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.207	4.213	-0.006	277740474H	1.00	2.84	
2	4.837	4.842	-0.005	77942460H	1.00	0.8105	
						RPD = 111.13	
14 cis-Chlordane							
1	4.297	4.295	0.002	94597826H	1.00	0.9597	
2	4.878	4.882	-0.004	66882597H	1.00	0.7397	
						RPD = 25.90	
15 Endosulfan I							
1	4.342	4.340	0.002	82376173H	1.00	0.8894	
2	4.908	4.913	-0.005	60565289H	1.00	0.6629	
						RPD = 29.18	
16 4,4'-DDE							
1	4.470	4.468	0.002	158021571H	2.00	1.53	
2	4.993	4.997	-0.004	141911801H	2.00	1.39	
						RPD = 9.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.642	4.637	0.005	1283054H		0.0248	
2	5.073	5.072	0.001	163656H		0.003630	
						RPD = 148.97	
18 Dieldrin							
1	4.580	4.578	0.002	165933629H	2.00	1.60	
2	5.110	5.113	-0.003	150682889H	2.00	1.40	
						RPD = 13.07	
19 Endrin							
1	4.832	4.830	0.002	162708893H	2.00	1.76	
2	5.287	5.290	-0.003	138221525H	2.00	1.49	
						RPD = 16.13	
20 2,4'-DDT							
1	4.867	4.858	0.009	2674682H		0.0571	
2	5.335	5.308	0.027	235547H		0.004643	
						RPD = 169.90	
22 4,4'-DDD							
1	4.928	4.927	0.001	149493051H	2.00	1.75	
2	5.383	5.387	-0.004	110103571H	2.00	1.49	
						RPD = 16.19	
23 Endosulfan II							
1	5.040	5.038	0.002	163742908H	2.00	1.79	
2	5.480	5.483	-0.003	130811585H	2.00	1.54	
						RPD = 14.64	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1		4.942				ND	
2		5.542					
25 Endrin aldehyde							
1	5.213	5.212	0.001	130745618H	2.00	1.72	
2	5.560	5.565	-0.005	93007398H	2.00	1.44	
						RPD = 17.73	
26 4,4'-DDT							
1	5.140	5.138	0.002	101465349H	2.00	1.73	
2	5.610	5.613	-0.003	79377675H	2.00	1.23	
						RPD = 34.14	
27 Endosulfan sulfate							
1	5.363	5.362	0.001	157628813H	2.00	1.85	
2	5.765	5.768	-0.003	127552902H	2.00	1.64	
						RPD = 11.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.633	5.633	0.000	264473354H	10.0	8.81	
2	5.920	5.922	-0.002	249400246H	10.0	6.97	
						RPD = 23.41	
29 Endrin ketone							
1	5.800	5.798	0.002	171524803H	2.00	1.84	
2	6.070	6.073	-0.003	131654510H	2.00	1.66	
						RPD = 10.55	
30 Mirex							
1	5.890	5.895	-0.005	77242H		0.001313	
2	6.430	6.433	-0.003	396416H		0.009413	
						RPD = 151.04	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.547	6.545	0.002	201677125H	2.98	2.16	
2	7.113	7.118	-0.005	128371875H	2.98	2.08	
						RPD = 3.85	
S 32 Total DDTs							
1						1.79	
2						1.23	
						RPD = 36.91	
S 33 Endosulfan, Total							
1						2.68	
2						2.21	
						RPD = 19.26	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:12 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.070.D

Injection Date: 02-Mar-2023 16:49:00 Instrument ID: 9147

Lims ID: 410-116613-B-1-B MSD

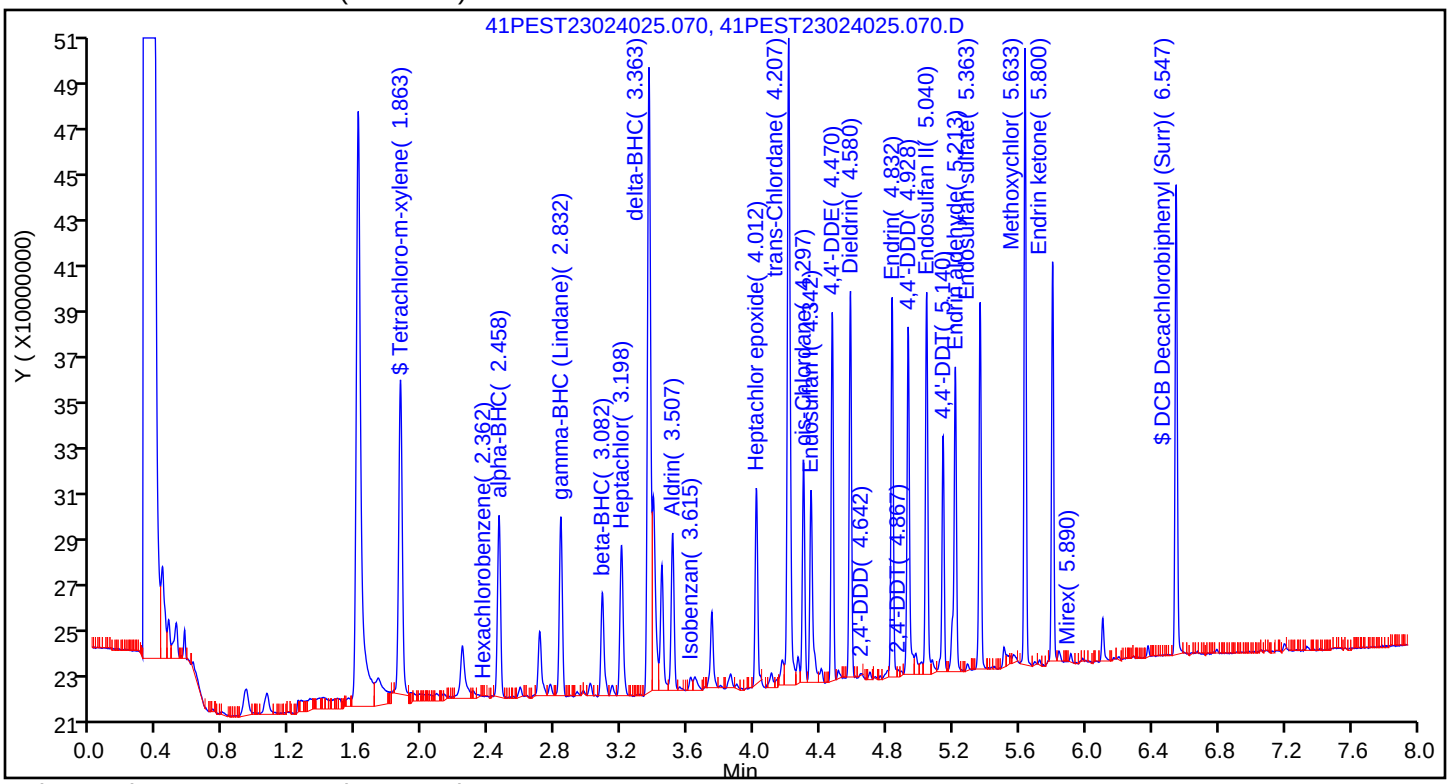
Client ID: MW-3-UF-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 70

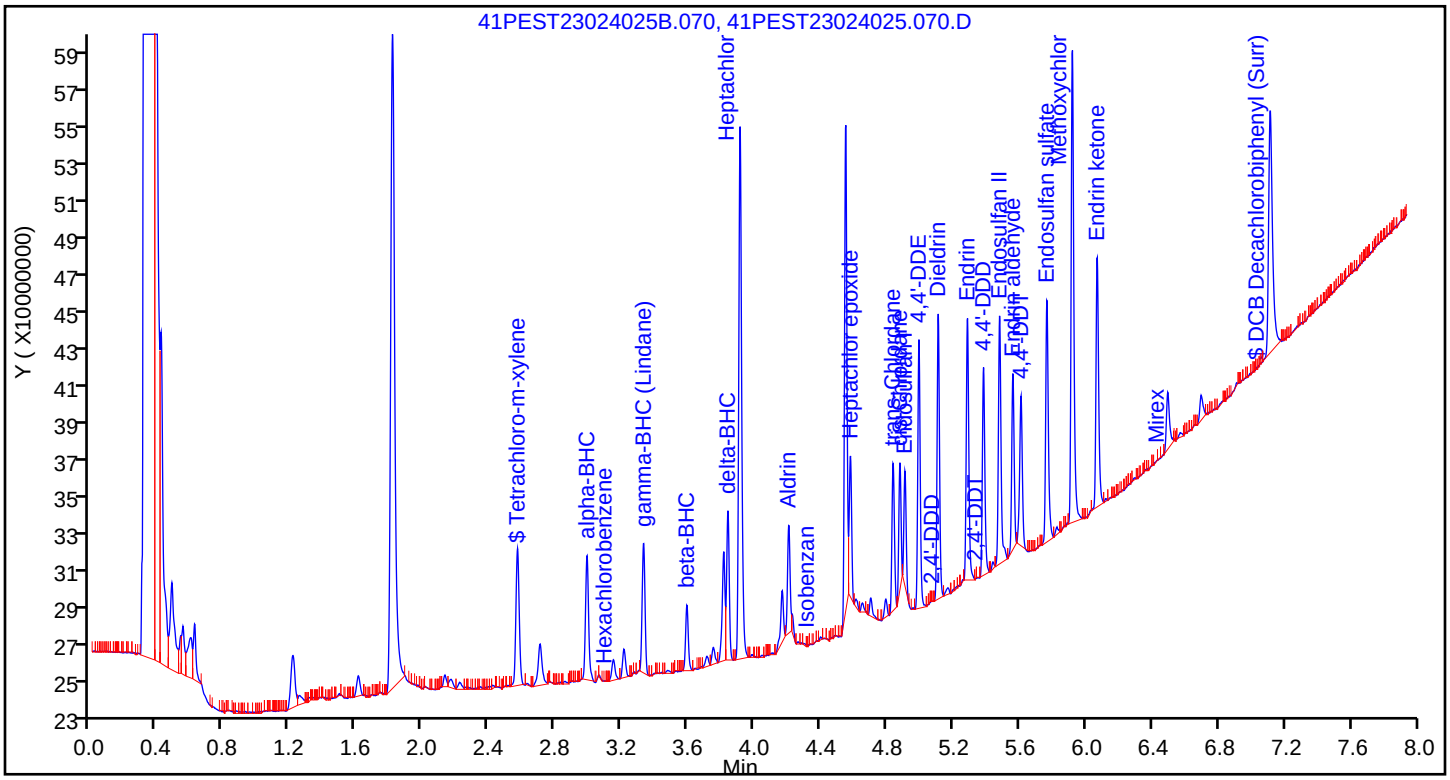
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.070.D				
Lims ID:	410-116613-B-1-B MSD				
Client ID:	MW-3-UF-20230222				
Sample Type:	MSD				
Inject. Date:	02-Mar-2023 16:49:00	ALS Bottle#:	0	Worklist Smp#:	70
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-1-B MSD df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:37:41		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.14	70.83
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.16	72.40

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.07	68.74
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.08	69.66

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-F-20230222 MSD Lab Sample ID: 410-116613-2 MSD

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.073.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:07

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 248.5(mL) Date Analyzed: 03/02/2023 17:33

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0773	J	0.10	0.010
319-84-6	alpha-BHC	0.0902	J	0.10	0.015
5103-71-9	alpha-Chlordane	0.0964	J	0.10	0.015
319-85-7	beta-BHC	0.115	J	0.15	0.055
319-86-8	delta-BHC	0.0898	J	0.10	0.017
60-57-1	Dieldrin	0.165		0.15	0.027
959-98-8	Endosulfan I	0.0929	J	0.10	0.022
33213-65-9	Endosulfan II	0.188	J	0.20	0.075
1031-07-8	Endosulfan sulfate	0.200		0.15	0.029
72-20-8	Endrin	0.189		0.15	0.041
7421-93-4	Endrin aldehyde	0.183	J	0.50	0.10
53494-70-5	Endrin ketone	0.201		0.15	0.025
58-89-9	gamma-BHC (Lindane)	0.0915	J	0.10	0.010
76-44-8	Heptachlor	0.0907	J	0.10	0.010
1024-57-3	Heptachlor epoxide	0.0985	J	0.10	0.012
8001-35-2	Toxaphene	ND		5.0	1.5
72-54-8	p,p'-DDD	0.192		0.15	0.025
72-55-9	p,p'-DDE	0.170		0.15	0.025

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	87		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	75		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.073.D
Lims ID: 410-116613-B-2-B MSD
Client ID: MW-3-F-20230222
Sample Type: MSD
Inject. Date: 02-Mar-2023 17:33:00 ALS Bottle#: 0 Worklist Smp#: 73
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-2-B MSD df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:36:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.858	1.862	-0.004	142091644H	3.02	2.25	
2	2.572	2.573	-0.001	75493646H	3.02	2.15	
						RPD = 4.39	
2 alpha-BHC							
1	2.453	2.457	-0.004	85502890H	1.00	0.8961	
2	2.992	2.993	-0.001	68568706H	1.00	0.7297	
						RPD = 20.47	
3 Hexachlorobenzene							
1	2.373	2.367	0.006	117056H		0.001426	
2	3.085	3.083	0.002	134700H		0.001361	
						RPD = 4.62	
4 gamma-BHC (Lindane)							
1	2.827	2.830	-0.003	81233504H	1.00	0.9094	
2	3.333	3.335	-0.002	73327523H	1.00	0.7845	
						RPD = 14.75	
5 beta-BHC							
1	3.078	3.082	-0.004	47008790H	1.00	1.14	
2	3.595	3.597	-0.002	36732356H	1.00	1.06	
						RPD = 7.15	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.365	3.370	-0.005	92317720H	1.00	0.8924	
2	3.842	3.845	-0.003	75317387H	1.00	0.6967	
						RPD = 24.63	
8 Heptachlor							
1	3.193	3.197	-0.004	70403407H	1.00	0.9011	
2	3.917	3.918	-0.001	81865176H	1.00	0.7661	
						RPD = 16.20	
9 Aldrin							
1	3.502	3.505	-0.003	74384597H	1.00	0.7685	
2	4.210	4.212	-0.002	72074625H	1.00	0.6471	
						RPD = 17.15	
10 Isobenzan							
1	3.610	3.618	-0.008	2065622H		0.0324	
2	4.322	4.320	0.002	209661H		0.002764	
						RPD = 168.60	
11 Heptachlor epoxide							
1	4.007	4.010	-0.003	90715625H	1.00	0.9790	
2	4.582	4.583	-0.001	65896461H	1.00	0.6723	
						RPD = 37.15	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.203	4.213	-0.010	150045669H	1.00	1.53	
2	4.840	4.842	-0.002	78156097H	1.00	0.8127	
						RPD = 61.41	
14 cis-Chlordane							
1	4.292	4.295	-0.003	94416945H	1.00	0.9579	
2	4.882	4.882	0.000	68419992H	1.00	0.7567	
						RPD = 23.47	
15 Endosulfan I							
1	4.337	4.340	-0.003	85556495H	1.00	0.9237	
2	4.910	4.913	-0.003	68501521H	1.00	0.7498	
						RPD = 20.79	
16 4,4'-DDE							
1	4.465	4.468	-0.003	174015474H	2.00	1.69	
2	4.995	4.997	-0.002	157118441H	2.00	1.54	
						RPD = 8.81	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.640	4.637	0.003	888163H		0.0172	
2	5.075	5.072	0.003	572250H		0.0127	
						RPD = 30.07	
18 Dieldrin							
1	4.575	4.578	-0.003	169851580H	2.00	1.64	
2	5.112	5.113	-0.001	158781759H	2.00	1.48	
						RPD = 10.17	
19 Endrin							
1	4.827	4.830	-0.003	173856721H	2.00	1.88	
2	5.288	5.290	-0.002	149898292H	2.00	1.62	
						RPD = 14.66	
20 2,4'-DDT							
1	4.870	4.858	0.012	2421646H		0.0517	
2	5.333	5.308	0.025	237769H		0.004686	
						RPD = 166.73	
22 4,4'-DDD							
1	4.923	4.927	-0.004	163452101H	2.00	1.91	
2	5.387	5.387	0.000	119058942H	2.00	1.61	
						RPD = 17.29	
23 Endosulfan II							
1	5.035	5.038	-0.003	171601069H	2.00	1.87	
2	5.483	5.483	0.000	144568303H	2.00	1.70	
						RPD = 9.35	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1		4.942				ND	
2		5.542					
25 Endrin aldehyde							
1	5.208	5.212	-0.004	138677390H	2.00	1.82	
2	5.563	5.565	-0.002	101655194H	2.00	1.57	
						RPD = 14.75	
26 4,4'-DDT							
1	5.135	5.138	-0.003	103079739H	2.00	1.76	
2	5.613	5.613	0.000	79432388H	2.00	1.23	
						RPD = 35.60	
27 Endosulfan sulfate							
1	5.358	5.362	-0.004	170000903H	2.00	1.99	
2	5.768	5.768	0.000	141263583H	2.00	1.82	
						RPD = 8.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.630	5.633	-0.003	277921785H	10.0	9.26	
2	5.922	5.922	0.000	262280043H	10.0	7.33	
						RPD = 23.33	
29 Endrin ketone							
1	5.797	5.798	-0.001	185942033H	2.00	2.00	
2	6.072	6.073	-0.001	141235620H	2.00	1.78	
						RPD = 11.59	
30 Mirex							
1	5.908	5.895	0.013	1713443H		0.0291	
2	6.432	6.433	-0.001	711196H		0.0169	
						RPD = 53.19	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.543	6.545	-0.002	242184500H	2.98	2.59	
2	7.117	7.118	-0.001	153386530H	2.98	2.48	
						RPD = 4.35	
S 32 Total DDTs							
1						1.81	
2						1.23	
						RPD = 38.03	
S 33 Endosulfan, Total							
1						2.80	
2						2.45	
						RPD = 13.00	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:17 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.073.D

Injection Date: 02-Mar-2023 17:33:00 Instrument ID: 9147

Lims ID: 410-116613-B-2-B MSD

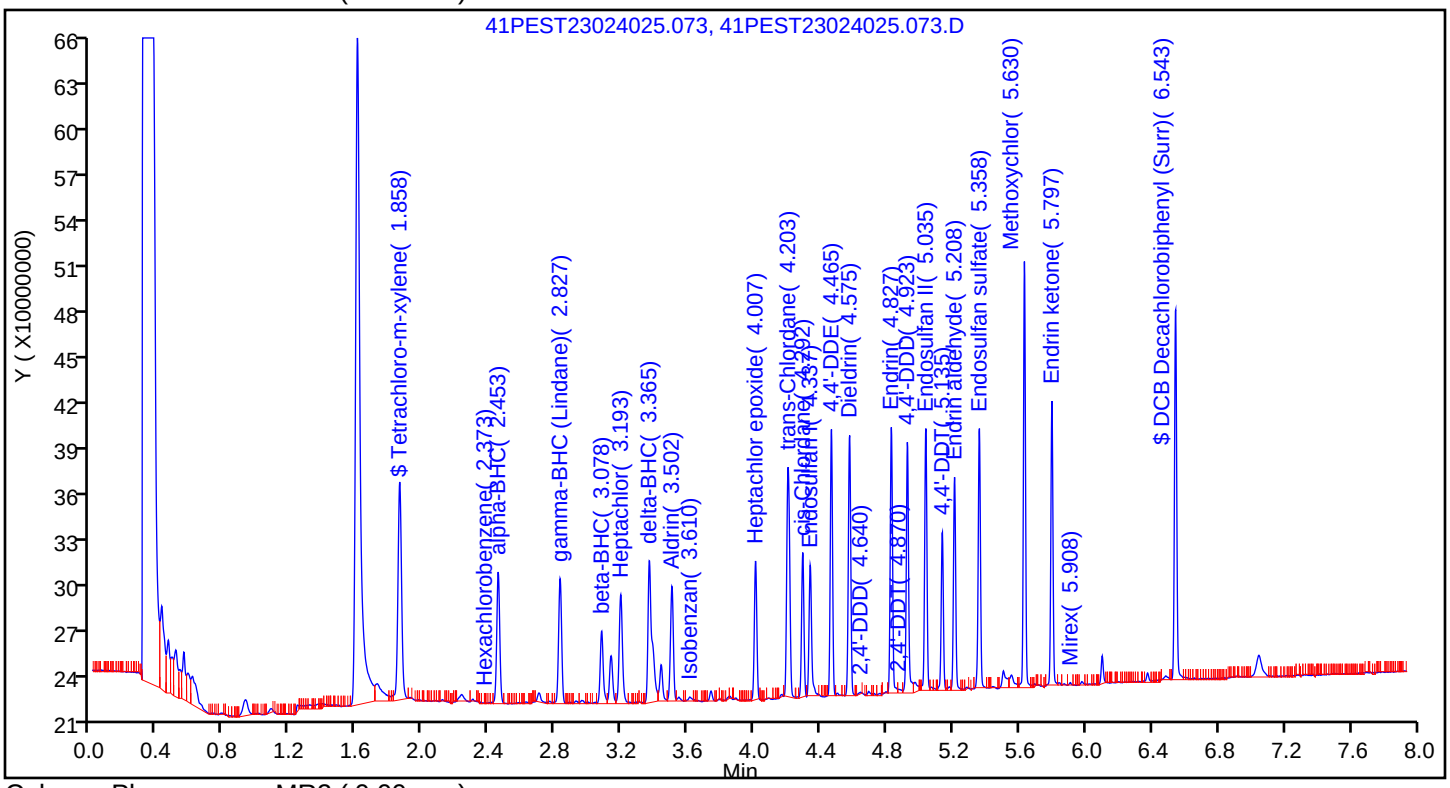
Client ID: MW-3-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 73

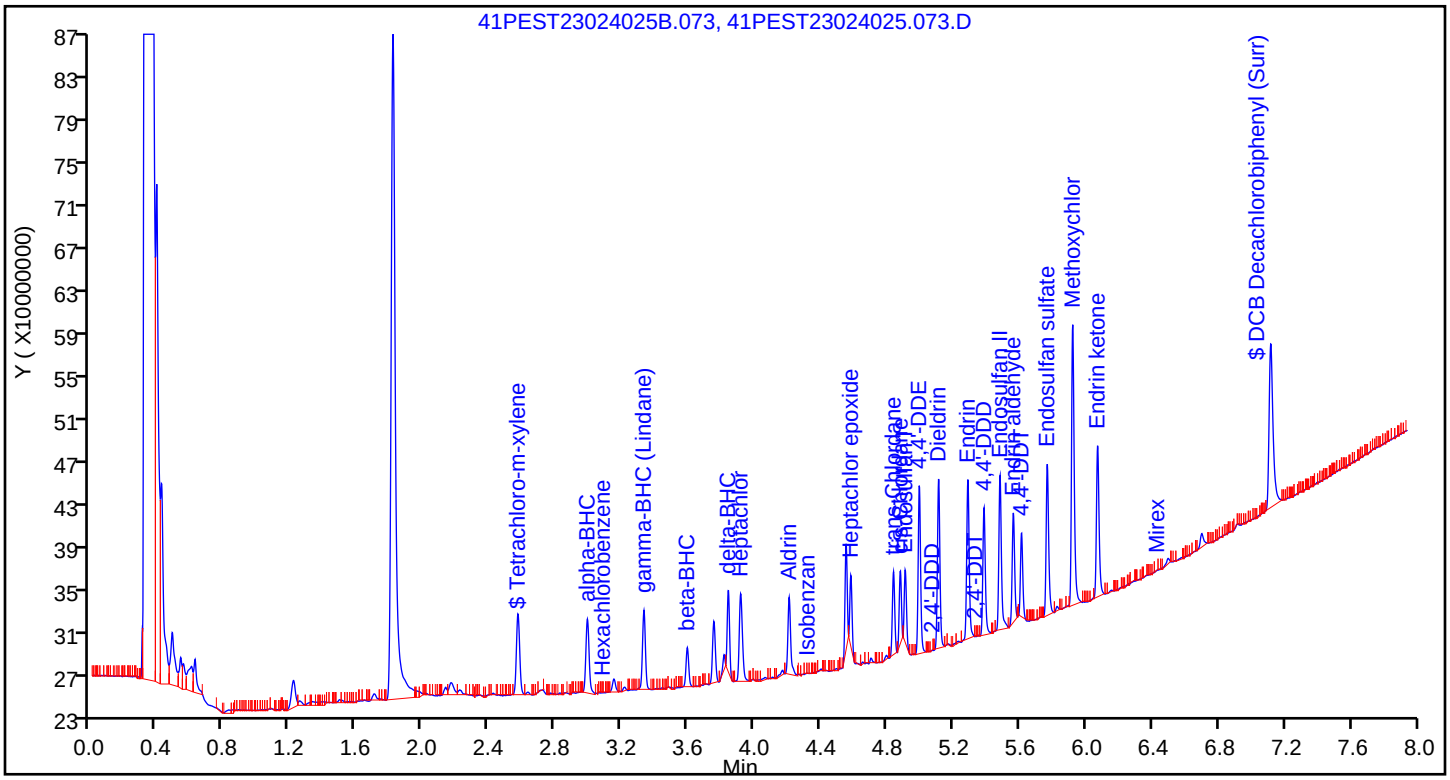
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.073.D				
Lims ID:	410-116613-B-2-B MSD				
Client ID:	MW-3-F-20230222				
Sample Type:	MSD				
Inject. Date:	02-Mar-2023 17:33:00	ALS Bottle#:	0	Worklist Smp#:	73
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-2-B MSD df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:36:16		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.25	74.57
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.59	86.94

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.15	71.37
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.48	83.24

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-116613-1

SDG No.:

Client Sample ID: MW-3-F-20230222 MSD Lab Sample ID: 410-116613-2 MSD

Matrix: Water (Dissolved) Lab File ID: 41PEST23024025.073.D

Analysis Method: 8081B Date Collected: 02/22/2023 11:07

Extraction Method: 3510C Date Extracted: 03/01/2023 08:04

Sample wt/vol: 248.5(mL) Date Analyzed: 03/02/2023 17:33

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

Injection Volume: 1(uL) GC Column: MR2 ID:

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

Cleanup Factor:

Analysis Batch No.: 349358 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
5103-74-2	gamma-Chlordane	0.0818	J	0.20	0.035
72-43-5	Methoxychlor	0.737		0.55	0.15
50-29-3	p,p'-DDT	0.124	J	0.15	0.026

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	83		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	71		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.073.D
Lims ID: 410-116613-B-2-B MSD
Client ID: MW-3-F-20230222
Sample Type: MSD
Inject. Date: 02-Mar-2023 17:33:00 ALS Bottle#: 0 Worklist Smp#: 73
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 410-116613-B-2-B MSD df5
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 03-Mar-2023 06:37:58 Calib Date: 23-Feb-2023 08:49:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D

Column 1 : Phenomenex MR2 (0.00 mm) Det: 1AECDA
Column 2 : Phenomenex MR2 (0.00 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 03-Mar-2023 06:36:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.858	1.862	-0.004	142091644H	3.02	2.25	
2	2.572	2.573	-0.001	75493646H	3.02	2.15	
						RPD = 4.39	
2 alpha-BHC							
1	2.453	2.457	-0.004	85502890H	1.00	0.8961	
2	2.992	2.993	-0.001	68568706H	1.00	0.7297	
						RPD = 20.47	
3 Hexachlorobenzene							
1	2.373	2.367	0.006	117056H		0.001426	
2	3.085	3.083	0.002	134700H		0.001361	
						RPD = 4.62	
4 gamma-BHC (Lindane)							
1	2.827	2.830	-0.003	81233504H	1.00	0.9094	
2	3.333	3.335	-0.002	73327523H	1.00	0.7845	
						RPD = 14.75	
5 beta-BHC							
1	3.078	3.082	-0.004	47008790H	1.00	1.14	
2	3.595	3.597	-0.002	36732356H	1.00	1.06	
						RPD = 7.15	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		3.012				ND	
1		3.648					
1		4.215					
1		4.298					
1		5.062					
2		3.718					
2		4.610					
2		4.840					
2		4.917					
2		5.538					
7 delta-BHC							
1	3.365	3.370	-0.005	92317720H	1.00	0.8924	
2	3.842	3.845	-0.003	75317387H	1.00	0.6967	
						RPD = 24.63	
8 Heptachlor							
1	3.193	3.197	-0.004	70403407H	1.00	0.9011	
2	3.917	3.918	-0.001	81865176H	1.00	0.7661	
						RPD = 16.20	
9 Aldrin							
1	3.502	3.505	-0.003	74384597H	1.00	0.7685	
2	4.210	4.212	-0.002	72074625H	1.00	0.6471	
						RPD = 17.15	
10 Isobenzan							
1	3.610	3.618	-0.008	2065622H		0.0324	
2	4.322	4.320	0.002	209661H		0.002764	
						RPD = 168.60	
11 Heptachlor epoxide							
1	4.007	4.010	-0.003	90715625H	1.00	0.9790	
2	4.582	4.583	-0.001	65896461H	1.00	0.6723	
						RPD = 37.15	
12 2,4'-DDE							
1		4.220				ND	
2		4.713					
13 trans-Chlordane							
1	4.203	4.213	-0.010	150045669H	1.00	1.53	
2	4.840	4.842	-0.002	78156097H	1.00	0.8127	
						RPD = 61.41	
14 cis-Chlordane							
1	4.292	4.295	-0.003	94416945H	1.00	0.9579	
2	4.882	4.882	0.000	68419992H	1.00	0.7567	
						RPD = 23.47	
15 Endosulfan I							
1	4.337	4.340	-0.003	85556495H	1.00	0.9237	
2	4.910	4.913	-0.003	68501521H	1.00	0.7498	
						RPD = 20.79	
16 4,4'-DDE							
1	4.465	4.468	-0.003	174015474H	2.00	1.69	
2	4.995	4.997	-0.002	157118441H	2.00	1.54	
						RPD = 8.81	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.640	4.637	0.003	888163H		0.0172	
2	5.075	5.072	0.003	572250H		0.0127	
						RPD = 30.07	
18 Dieldrin							
1	4.575	4.578	-0.003	169851580H	2.00	1.64	
2	5.112	5.113	-0.001	158781759H	2.00	1.48	
						RPD = 10.17	
19 Endrin							
1	4.827	4.830	-0.003	173856721H	2.00	1.88	
2	5.288	5.290	-0.002	149898292H	2.00	1.62	
						RPD = 14.66	
20 2,4'-DDT							
1	4.870	4.858	0.012	2421646H		0.0517	
2	5.333	5.308	0.025	237769H		0.004686	
						RPD = 166.73	
22 4,4'-DDD							
1	4.923	4.927	-0.004	163452101H	2.00	1.91	
2	5.387	5.387	0.000	119058942H	2.00	1.61	
						RPD = 17.29	
23 Endosulfan II							
1	5.035	5.038	-0.003	171601069H	2.00	1.87	
2	5.483	5.483	0.000	144568303H	2.00	1.70	
						RPD = 9.35	
21 Toxaphene							U
1		5.060				ND	
1		5.277					
1		5.657					
1		5.902					
1		4.857					
2		5.537					
2		5.715					
2		5.850					
2		6.097					
2		6.350					
24 Kepone							
1		4.942				ND	
2		5.542					
25 Endrin aldehyde							
1	5.208	5.212	-0.004	138677390H	2.00	1.82	
2	5.563	5.565	-0.002	101655194H	2.00	1.57	
						RPD = 14.75	
26 4,4'-DDT							
1	5.135	5.138	-0.003	103079739H	2.00	1.76	
2	5.613	5.613	0.000	79432388H	2.00	1.23	
						RPD = 35.60	
27 Endosulfan sulfate							
1	5.358	5.362	-0.004	170000903H	2.00	1.99	
2	5.768	5.768	0.000	141263583H	2.00	1.82	
						RPD = 8.96	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.630	5.633	-0.003	277921785H	10.0	9.26	
2	5.922	5.922	0.000	262280043H	10.0	7.33	
						RPD = 23.33	
29 Endrin ketone							
1	5.797	5.798	-0.001	185942033H	2.00	2.00	
2	6.072	6.073	-0.001	141235620H	2.00	1.78	
						RPD = 11.59	
30 Mirex							
1	5.908	5.895	0.013	1713443H		0.0291	
2	6.432	6.433	-0.001	711196H		0.0169	
						RPD = 53.19	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.543	6.545	-0.002	242184500H	2.98	2.59	
2	7.117	7.118	-0.001	153386530H	2.98	2.48	
						RPD = 4.35	
S 32 Total DDTs							
1						1.81	
2						1.23	
						RPD = 38.03	
S 33 Endosulfan, Total							
1						2.80	
2						2.45	
						RPD = 13.00	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 03-Mar-2023 06:38:18 Chrom Revision: 2.3 02-Mar-2023 15:43:36

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.073.D

Injection Date: 02-Mar-2023 17:33:00 Instrument ID: 9147

Lims ID: 410-116613-B-2-B MSD

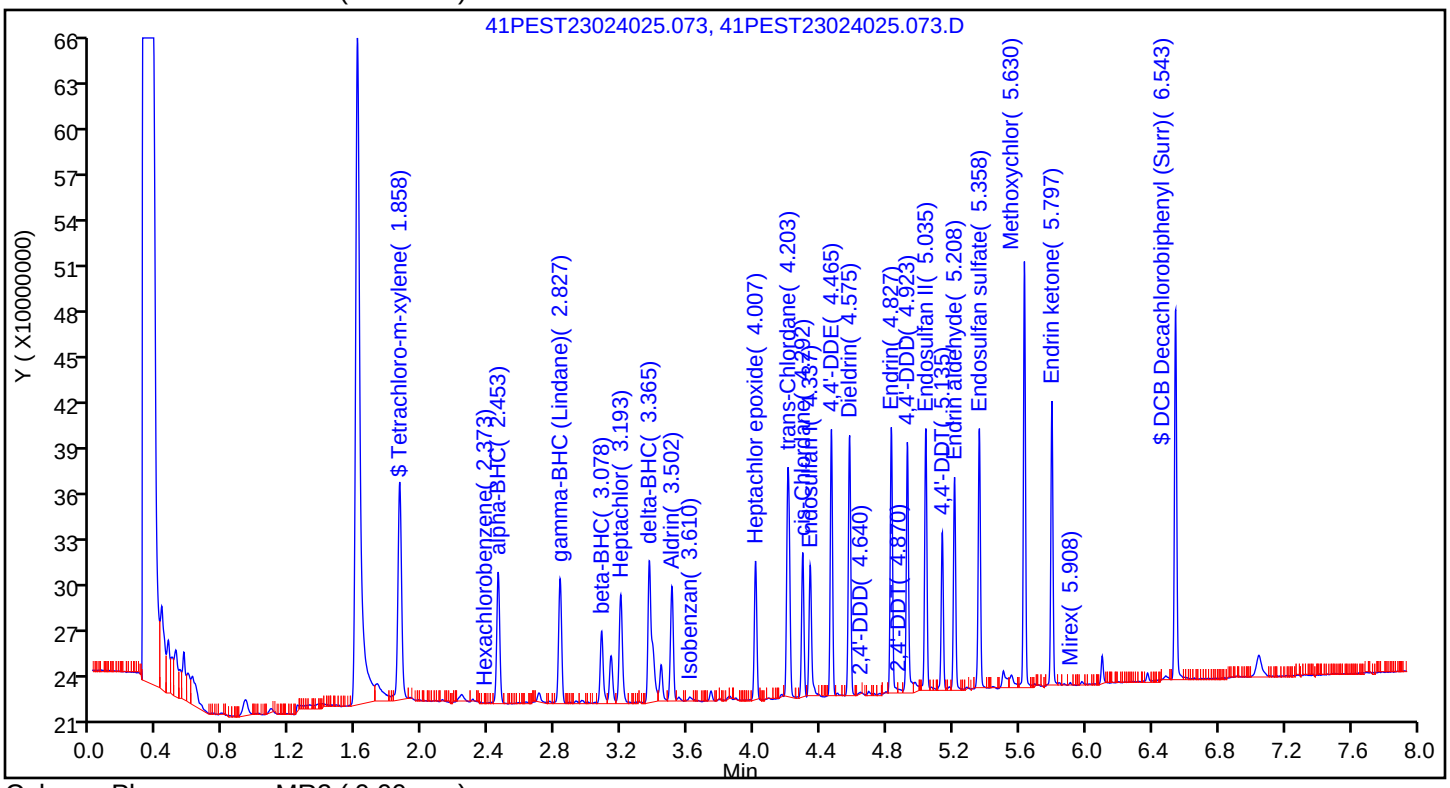
Client ID: MW-3-F-20230222

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 73

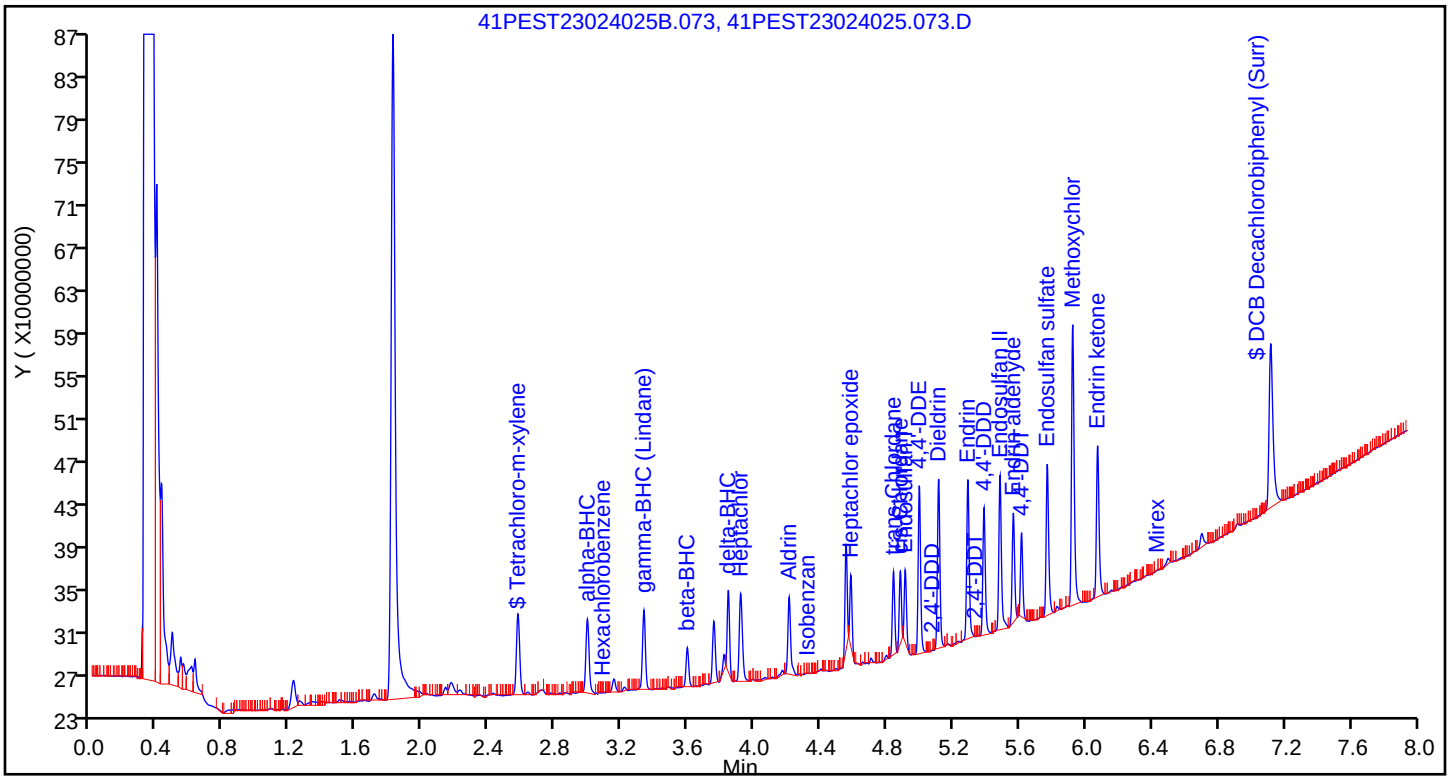
Injection Vol: 1.0 ul Dil. Factor: 5.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Phenomenex MR2 (0.00 mm)



Column: Phenomenex MR2 (0.00 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\41PEST23024025.073.D				
Lims ID:	410-116613-B-2-B MSD				
Client ID:	MW-3-F-20230222				
Sample Type:	MSD				
Inject. Date:	02-Mar-2023 17:33:00	ALS Bottle#:	0	Worklist Smp#:	73
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Sample Info:	410-116613-B-2-B MSD df5				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20230301-78081.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	03-Mar-2023 06:37:58	Calib Date:	23-Feb-2023 08:49:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20230223-77608.b\41PEST23024020.019.D				
Column 1 :	Phenomenex MR2 (0.00 mm)		Det: 1AECDA		
Column 2 :	Phenomenex MR2 (0.00 mm)		Det: 2BECDB		
Process Host:	CTX1632				
First Level Reviewer: UAMZ		Date:	03-Mar-2023 06:36:16		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.25	74.57
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.59	86.94

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.1	2.15	71.37
$ 31 DCB Decachlorobiphenyl (Surr)	14.9	2.48	83.24

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 01/25/2023 00:20

Analysis Batch Number: 338162 End Date: 01/25/2023 11:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 410-338162/5		01/25/2023 00:20	1		MR2
PEM 410-338162/5		01/25/2023 00:20	1		MR2
PIBLK 410-338162/6		01/25/2023 00:35	1		MR2
PIBLK 410-338162/6		01/25/2023 00:35	1		MR2
IC 410-338162/7		01/25/2023 00:49	1	41PEST23024001.007.D	MR2
IC 410-338162/7		01/25/2023 00:49	1	41PEST23024001.007.D	MR2
IC 410-338162/8		01/25/2023 01:04	1	41PEST23024001.008.D	MR2
IC 410-338162/8		01/25/2023 01:04	1	41PEST23024001.008.D	MR2
IC 410-338162/9		01/25/2023 01:19	1	41PEST23024001.009.D	MR2
IC 410-338162/9		01/25/2023 01:19	1	41PEST23024001.009.D	MR2
ICRT 410-338162/10		01/25/2023 01:33	1	41PEST23024001.010.D	MR2
ICRT 410-338162/10		01/25/2023 01:33	1	41PEST23024001.010.D	MR2
IC 410-338162/11		01/25/2023 01:48	1	41PEST23024001.011.D	MR2
IC 410-338162/11		01/25/2023 01:48	1	41PEST23024001.011.D	MR2
IC 410-338162/12		01/25/2023 02:03	1	41PEST23024001.012.D	MR2
IC 410-338162/12		01/25/2023 02:03	1	41PEST23024001.012.D	MR2
IC 410-338162/13		01/25/2023 02:17	1	41PEST23024001.013.D	MR2
IC 410-338162/13		01/25/2023 02:17	1	41PEST23024001.013.D	MR2
IC 410-338162/14		01/25/2023 02:32	1	41PEST23024001.014.D	MR2
IC 410-338162/14		01/25/2023 02:32	1	41PEST23024001.014.D	MR2
IC 410-338162/15		01/25/2023 02:46	1	41PEST23024001.015.D	MR2
IC 410-338162/15		01/25/2023 02:46	1	41PEST23024001.015.D	MR2
ICRT 410-338162/16		01/25/2023 03:01	1	41PEST23024001.016.D	MR2
ICRT 410-338162/16		01/25/2023 03:01	1	41PEST23024001.016.D	MR2
IC 410-338162/17		01/25/2023 03:16	1	41PEST23024001.017.D	MR2
IC 410-338162/17		01/25/2023 03:16	1	41PEST23024001.017.D	MR2
IC 410-338162/18		01/25/2023 03:30	1	41PEST23024001.018.D	MR2
IC 410-338162/18		01/25/2023 03:30	1	41PEST23024001.018.D	MR2
IC 410-338162/19		01/25/2023 03:45	1		MR2
IC 410-338162/19		01/25/2023 03:45	1		MR2
IC 410-338162/20		01/25/2023 04:00	1		MR2
IC 410-338162/20		01/25/2023 04:00	1		MR2
IC 410-338162/21		01/25/2023 04:15	1		MR2
IC 410-338162/21		01/25/2023 04:15	1		MR2
ICRT 410-338162/22		01/25/2023 04:30	1		MR2

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 01/25/2023 00:20

Analysis Batch Number: 338162 End Date: 01/25/2023 11:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICRT 410-338162/22		01/25/2023 04:30	1		MR2
IC 410-338162/23		01/25/2023 04:44	1		MR2
IC 410-338162/23		01/25/2023 04:44	1		MR2
IC 410-338162/24		01/25/2023 04:59	1		MR2
IC 410-338162/24		01/25/2023 04:59	1		MR2
IC 410-338162/25		01/25/2023 05:14	1	41PEST23024001.025.D	MR2
IC 410-338162/25		01/25/2023 05:14	1	41PEST23024001.025.D	MR2
IC 410-338162/26		01/25/2023 05:29	1	41PEST23024001.026.D	MR2
IC 410-338162/26		01/25/2023 05:29	1	41PEST23024001.026.D	MR2
IC 410-338162/27		01/25/2023 05:43	1	41PEST23024001.027.D	MR2
IC 410-338162/27		01/25/2023 05:43	1	41PEST23024001.027.D	MR2
ICRT 410-338162/28		01/25/2023 05:58	1	41PEST23024001.028.D	MR2
ICRT 410-338162/28		01/25/2023 05:58	1	41PEST23024001.028.D	MR2
IC 410-338162/29		01/25/2023 06:13	1	41PEST23024001.029.D	MR2
IC 410-338162/29		01/25/2023 06:13	1	41PEST23024001.029.D	MR2
IC 410-338162/30		01/25/2023 06:28	1	41PEST23024001.030.D	MR2
IC 410-338162/30		01/25/2023 06:28	1	41PEST23024001.030.D	MR2
IC 410-338162/31		01/25/2023 06:42	1		MR2
IC 410-338162/31		01/25/2023 06:42	1		MR2
IC 410-338162/32		01/25/2023 06:57	1		MR2
IC 410-338162/32		01/25/2023 06:57	1		MR2
IC 410-338162/33		01/25/2023 07:12	1		MR2
IC 410-338162/33		01/25/2023 07:12	1		MR2
ICRT 410-338162/34		01/25/2023 07:26	1	41PEST23024001.034.D	MR2
ICRT 410-338162/34		01/25/2023 07:26	1	41PEST23024001.034.D	MR2
IC 410-338162/35		01/25/2023 07:41	1		MR2
IC 410-338162/35		01/25/2023 07:41	1		MR2
IC 410-338162/36		01/25/2023 07:56	1		MR2
IC 410-338162/36		01/25/2023 07:56	1		MR2
ICV 410-338162/37		01/25/2023 08:10	1		MR2
ICV 410-338162/37		01/25/2023 08:10	1		MR2
ICV 410-338162/38		01/25/2023 08:25	1	41PEST23024001.038.D	MR2
ICV 410-338162/38		01/25/2023 08:25	1	41PEST23024001.038.D	MR2
ICV 410-338162/39		01/25/2023 08:40	1	41PEST23024001.039.D	MR2
ICV 410-338162/39		01/25/2023 08:40	1	41PEST23024001.039.D	MR2
ICV 410-338162/40		01/25/2023 08:55	1	41PEST23024001.040.D	MR2

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 01/25/2023 00:20

Analysis Batch Number: 338162 End Date: 01/25/2023 11:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 410-338162/40		01/25/2023 08:55	1	41PEST23024001.040.D	MR2
ICV 410-338162/41		01/25/2023 09:10	1	41PEST23024001.041.D	MR2
ICV 410-338162/41		01/25/2023 09:10	1	41PEST23024001.041.D	MR2
ICVL 410-338162/42		01/25/2023 09:24	1		MR2
ICVL 410-338162/42		01/25/2023 09:24	1		MR2
ICVL 410-338162/43		01/25/2023 09:39	1		MR2
ICVL 410-338162/43		01/25/2023 09:39	1		MR2
ICVL 410-338162/44		01/25/2023 09:54	1		MR2
ICVL 410-338162/44		01/25/2023 09:54	1		MR2
ICVL 410-338162/45		01/25/2023 10:09	1		MR2
ICVL 410-338162/45		01/25/2023 10:09	1		MR2
ICVL 410-338162/46		01/25/2023 10:24	1		MR2
ICVL 410-338162/46		01/25/2023 10:24	1		MR2
ZZZZZ		01/25/2023 10:39	1		MR2
ZZZZZ		01/25/2023 10:39	1		MR2
ZZZZZ		01/25/2023 10:53	1		MR2
ZZZZZ		01/25/2023 10:53	1		MR2
ZZZZZ		01/25/2023 11:08	1		MR2
ZZZZZ		01/25/2023 11:08	1		MR2
ZZZZZ		01/25/2023 11:23	1		MR2
ZZZZZ		01/25/2023 11:23	1		MR2

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 02/23/2023 06:25

Analysis Batch Number: 347154 End Date: 02/23/2023 14:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-347154/10		02/23/2023 06:25	1		MR2
CCV 410-347154/10		02/23/2023 06:25	1		MR2
CCV 410-347154/11		02/23/2023 06:40	1		MR2
CCV 410-347154/11		02/23/2023 06:40	1		MR2
PEM 410-347154/12		02/23/2023 06:54	1		MR2
PEM 410-347154/12		02/23/2023 06:54	1		MR2
PIBLK 410-347154/13		02/23/2023 07:21	1		MR2
PIBLK 410-347154/13		02/23/2023 07:21	1		MR2
IC 410-347154/14		02/23/2023 07:36	1	41PEST23024020.014.D	MR2
IC 410-347154/14		02/23/2023 07:36	1	41PEST23024020.014.D	MR2
IC 410-347154/15		02/23/2023 07:50	1	41PEST23024020.015.D	MR2
IC 410-347154/15		02/23/2023 07:50	1	41PEST23024020.015.D	MR2
IC 410-347154/16		02/23/2023 08:05	1	41PEST23024020.016.D	MR2
IC 410-347154/16		02/23/2023 08:05	1	41PEST23024020.016.D	MR2
ICRT 410-347154/17		02/23/2023 08:20	1	41PEST23024020.017.D	MR2
ICRT 410-347154/17		02/23/2023 08:20	1	41PEST23024020.017.D	MR2
IC 410-347154/18		02/23/2023 08:34	1	41PEST23024020.018.D	MR2
IC 410-347154/18		02/23/2023 08:34	1	41PEST23024020.018.D	MR2
IC 410-347154/19		02/23/2023 08:49	1	41PEST23024020.019.D	MR2
IC 410-347154/19		02/23/2023 08:49	1	41PEST23024020.019.D	MR2
ICVL 410-347154/20		02/23/2023 09:03	1		MR2
ICVL 410-347154/20		02/23/2023 09:03	1		MR2
ICV 410-347154/21		02/23/2023 09:18	1	41PEST23024020.021.D	MR2
ICV 410-347154/21		02/23/2023 09:18	1	41PEST23024020.021.D	MR2
ZZZZZ		02/23/2023 09:33	10		MR2
ZZZZZ		02/23/2023 09:33	10		MR2
ZZZZZ		02/23/2023 10:02	1		MR2
ZZZZZ		02/23/2023 10:02	1		MR2
ZZZZZ		02/23/2023 10:17	1		MR2
ZZZZZ		02/23/2023 10:17	1		MR2
ZZZZZ		02/23/2023 10:31	1		MR2
ZZZZZ		02/23/2023 10:31	1		MR2
ZZZZZ		02/23/2023 10:46	1		MR2
ZZZZZ		02/23/2023 10:46	1		MR2
ZZZZZ		02/23/2023 11:44	1		MR2
ZZZZZ		02/23/2023 11:44	1		MR2
ZZZZZ		02/23/2023 11:59	1		MR2
ZZZZZ		02/23/2023 11:59	1		MR2
ZZZZZ		02/23/2023 12:13	1		MR2

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 02/23/2023 06:25

Analysis Batch Number: 347154 End Date: 02/23/2023 14:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/23/2023 12:13	1		MR2
PIBLK 410-347154/34		02/23/2023 12:28	1		MR2
PIBLK 410-347154/34		02/23/2023 12:28	1		MR2
CCV 410-347154/35		02/23/2023 12:43	1		MR2
CCV 410-347154/35		02/23/2023 12:43	1		MR2
CCV 410-347154/36		02/23/2023 12:57	1		MR2
CCV 410-347154/36		02/23/2023 12:57	1		MR2
CCV 410-347154/37		02/23/2023 13:12	1		MR2
CCV 410-347154/37		02/23/2023 13:12	1		MR2
ZZZZZ		02/23/2023 13:27	10		MR2
ZZZZZ		02/23/2023 13:27	10		MR2
PIBLK 410-347154/39		02/23/2023 13:41	1		MR2
PIBLK 410-347154/39		02/23/2023 13:41	1		MR2
CCV 410-347154/40		02/23/2023 13:56	1		MR2
CCV 410-347154/40		02/23/2023 13:56	1		MR2
CCV 410-347154/41		02/23/2023 14:11	1		MR2
CCV 410-347154/41		02/23/2023 14:11	1		MR2
CCV 410-347154/42		02/23/2023 14:25	1		MR2
CCV 410-347154/42		02/23/2023 14:25	1		MR2

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 03/01/2023 23:52

Analysis Batch Number: 349358 End Date: 03/02/2023 21:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 410-349358/2		03/01/2023 23:52	1	41PEST23024025.002.D	MR2
PIBLK 410-349358/2		03/01/2023 23:52	1	41PEST23024025.002.D	MR2
CCVRT 410-349358/3		03/02/2023 00:07	1	41PEST23024025.003.D	MR2
CCVRT 410-349358/3		03/02/2023 00:07	1	41PEST23024025.003.D	MR2
CCV 410-349358/5		03/02/2023 00:36	1	41PEST23024025.005.D	MR2
CCV 410-349358/5		03/02/2023 00:36	1	41PEST23024025.005.D	MR2
CCV 410-349358/6		03/02/2023 00:51	1		MR2
CCV 410-349358/6		03/02/2023 00:51	1		MR2
PEM 410-349358/7		03/02/2023 01:06	1	41PEST23024025.007.D	MR2
PEM 410-349358/7		03/02/2023 01:06	1	41PEST23024025.007.D	MR2
MB 410-348994/1-A		03/02/2023 02:38	1	41PEST23024025.012.D	MR2
MB 410-348994/1-A		03/02/2023 02:38	1	41PEST23024025.012.D	MR2
LCS 410-348994/2-A		03/02/2023 02:53	1	41PEST23024025.013.D	MR2
LCS 410-348994/2-A		03/02/2023 02:53	1	41PEST23024025.013.D	MR2
ZZZZZ		03/02/2023 03:07	1		MR2
ZZZZZ		03/02/2023 03:07	1		MR2
ZZZZZ		03/02/2023 03:22	1		MR2
ZZZZZ		03/02/2023 03:22	1		MR2
ZZZZZ		03/02/2023 03:37	1		MR2
ZZZZZ		03/02/2023 03:37	1		MR2
ZZZZZ		03/02/2023 03:51	1		MR2
ZZZZZ		03/02/2023 03:51	1		MR2
ZZZZZ		03/02/2023 04:06	1		MR2
ZZZZZ		03/02/2023 04:06	1		MR2
ZZZZZ		03/02/2023 04:21	1		MR2
ZZZZZ		03/02/2023 04:21	1		MR2
ZZZZZ		03/02/2023 04:35	1		MR2
ZZZZZ		03/02/2023 04:35	1		MR2
CCV 410-349358/21		03/02/2023 04:50	1	41PEST23024025.021.D	MR2
CCV 410-349358/21		03/02/2023 04:50	1	41PEST23024025.021.D	MR2
CCV 410-349358/22		03/02/2023 05:05	1	41PEST23024025.022.D	MR2
CCV 410-349358/22		03/02/2023 05:05	1	41PEST23024025.022.D	MR2
CCV 410-349358/23		03/02/2023 05:20	1		MR2
CCV 410-349358/23		03/02/2023 05:20	1		MR2
ZZZZZ		03/02/2023 05:34	10		MR2
ZZZZZ		03/02/2023 05:34	10		MR2
ZZZZZ		03/02/2023 05:49	10		MR2
ZZZZZ		03/02/2023 05:49	10		MR2

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 03/01/2023 23:52

Analysis Batch Number: 349358 End Date: 03/02/2023 21:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/02/2023 06:04	10		MR2
ZZZZZ		03/02/2023 06:04	10		MR2
ZZZZZ		03/02/2023 06:19	10		MR2
ZZZZZ		03/02/2023 06:19	10		MR2
ZZZZZ		03/02/2023 06:34	10		MR2
ZZZZZ		03/02/2023 06:34	10		MR2
ZZZZZ		03/02/2023 06:48	10		MR2
ZZZZZ		03/02/2023 06:48	10		MR2
ZZZZZ		03/02/2023 07:03	10		MR2
ZZZZZ		03/02/2023 07:03	10		MR2
ZZZZZ		03/02/2023 07:18	10		MR2
ZZZZZ		03/02/2023 07:18	10		MR2
ZZZZZ		03/02/2023 07:32	10		MR2
ZZZZZ		03/02/2023 07:32	10		MR2
ZZZZZ		03/02/2023 07:47	10		MR2
ZZZZZ		03/02/2023 07:47	10		MR2
ZZZZZ		03/02/2023 08:01	10		MR2
ZZZZZ		03/02/2023 08:01	10		MR2
ZZZZZ		03/02/2023 08:16	10		MR2
ZZZZZ		03/02/2023 08:16	10		MR2
ZZZZZ		03/02/2023 08:31	10		MR2
ZZZZZ		03/02/2023 08:31	10		MR2
PIBLK 410-349358/37		03/02/2023 08:45	1	41PEST23024025.037.D	MR2
PIBLK 410-349358/37		03/02/2023 08:45	1	41PEST23024025.037.D	MR2
CCV 410-349358/38		03/02/2023 09:00	1		MR2
CCV 410-349358/38		03/02/2023 09:00	1		MR2
CCV 410-349358/39		03/02/2023 09:15	1		MR2
CCV 410-349358/39		03/02/2023 09:15	1		MR2
CCV 410-349358/40		03/02/2023 09:29	1		MR2
CCV 410-349358/40		03/02/2023 09:29	1		MR2
ZZZZZ		03/02/2023 09:44	10		MR2
ZZZZZ		03/02/2023 09:44	10		MR2
ZZZZZ		03/02/2023 09:59	10		MR2
ZZZZZ		03/02/2023 09:59	10		MR2
ZZZZZ		03/02/2023 10:13	10		MR2
ZZZZZ		03/02/2023 10:13	10		MR2
ZZZZZ		03/02/2023 10:28	10		MR2
ZZZZZ		03/02/2023 10:28	10		MR2
ZZZZZ		03/02/2023 10:43	20		MR2
ZZZZZ		03/02/2023 10:43	20		MR2
ZZZZZ		03/02/2023 10:57	10		MR2
ZZZZZ		03/02/2023 10:57	10		MR2
ZZZZZ		03/02/2023 11:12	100		MR2
ZZZZZ		03/02/2023 11:12	100		MR2

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 03/01/2023 23:52

Analysis Batch Number: 349358 End Date: 03/02/2023 21:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/02/2023 11:27	10		MR2
ZZZZZ		03/02/2023 11:27	10		MR2
ZZZZZ		03/02/2023 11:41	10		MR2
ZZZZZ		03/02/2023 11:41	10		MR2
ZZZZZ		03/02/2023 11:56	10		MR2
ZZZZZ		03/02/2023 11:56	10		MR2
PIBLK 410-349358/51		03/02/2023 12:11	1		MR2
PIBLK 410-349358/51		03/02/2023 12:11	1		MR2
CCV 410-349358/52		03/02/2023 12:25	1		MR2
CCV 410-349358/52		03/02/2023 12:25	1		MR2
CCV 410-349358/53		03/02/2023 12:40	1		MR2
CCV 410-349358/53		03/02/2023 12:40	1		MR2
CCV 410-349358/54		03/02/2023 12:55	1		MR2
CCV 410-349358/54		03/02/2023 12:55	1		MR2
PEM 410-349358/55		03/02/2023 13:09	1	41PEST23024025.055.D	MR2
PEM 410-349358/55		03/02/2023 13:09	1	41PEST23024025.055.D	MR2
ZZZZZ		03/02/2023 13:24	100		MR2
ZZZZZ		03/02/2023 13:24	100		MR2
ZZZZZ		03/02/2023 13:38	10		MR2
ZZZZZ		03/02/2023 13:38	10		MR2
ZZZZZ		03/02/2023 13:53	10		MR2
ZZZZZ		03/02/2023 13:53	10		MR2
ZZZZZ		03/02/2023 14:08	10		MR2
ZZZZZ		03/02/2023 14:08	10		MR2
ZZZZZ		03/02/2023 14:23	10		MR2
ZZZZZ		03/02/2023 14:23	10		MR2
ZZZZZ		03/02/2023 14:37	10		MR2
ZZZZZ		03/02/2023 14:37	10		MR2
ZZZZZ		03/02/2023 14:52	10		MR2
ZZZZZ		03/02/2023 14:52	10		MR2
ZZZZZ		03/02/2023 15:07	10		MR2
ZZZZZ		03/02/2023 15:07	10		MR2
ZZZZZ		03/02/2023 15:21	1		MR2
ZZZZZ		03/02/2023 15:21	1		MR2
PIBLK 410-349358/65		03/02/2023 15:36	1	41PEST23024025.065.D	MR2
PIBLK 410-349358/65		03/02/2023 15:36	1	41PEST23024025.065.D	MR2
CCV 410-349358/66		03/02/2023 15:51	1	41PEST23024025.066.D	MR2
CCV 410-349358/66		03/02/2023 15:51	1	41PEST23024025.066.D	MR2
CCV 410-349358/67		03/02/2023 16:05	1	41PEST23024025.067.D	MR2
CCV 410-349358/67		03/02/2023 16:05	1	41PEST23024025.067.D	MR2
CCV 410-349358/68		03/02/2023 16:20	1		MR2

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 03/01/2023 23:52

Analysis Batch Number: 349358 End Date: 03/02/2023 21:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-349358/68		03/02/2023 16:20	1		MR2
410-116613-1 MS	MW-3-UF-20230222 MS	03/02/2023 16:35	5	41PEST23024025.069.D	MR2
410-116613-1 MS	MW-3-UF-20230222 MS	03/02/2023 16:35	5	41PEST23024025.069.D	MR2
410-116613-1 MSD	MW-3-UF-20230222 MSD	03/02/2023 16:49	5	41PEST23024025.070.D	MR2
410-116613-1 MSD	MW-3-UF-20230222 MSD	03/02/2023 16:49	5	41PEST23024025.070.D	MR2
410-116613-1	MW-3-UF-20230222	03/02/2023 17:04	5	41PEST23024025.071.D	MR2
410-116613-1	MW-3-UF-20230222	03/02/2023 17:04	5	41PEST23024025.071.D	MR2
410-116613-2 MS	MW-3-F-20230222 MS	03/02/2023 17:19	5	41PEST23024025.072.D	MR2
410-116613-2 MS	MW-3-F-20230222 MS	03/02/2023 17:19	5	41PEST23024025.072.D	MR2
410-116613-2 MSD	MW-3-F-20230222 MSD	03/02/2023 17:33	5	41PEST23024025.073.D	MR2
410-116613-2 MSD	MW-3-F-20230222 MSD	03/02/2023 17:33	5	41PEST23024025.073.D	MR2
410-116613-2	MW-3-F-20230222	03/02/2023 17:48	5	41PEST23024025.074.D	MR2
410-116613-2	MW-3-F-20230222	03/02/2023 17:48	5	41PEST23024025.074.D	MR2
410-116613-3	EB-UF-20230222	03/02/2023 18:02	1	41PEST23024025.075.D	MR2
410-116613-3	EB-UF-20230222	03/02/2023 18:02	1	41PEST23024025.075.D	MR2
410-116613-4	EB-F-20230222	03/02/2023 18:17	1	41PEST23024025.076.D	MR2
410-116613-4	EB-F-20230222	03/02/2023 18:17	1	41PEST23024025.076.D	MR2
410-116613-5	MW-5-UF-20230222	03/02/2023 18:32	1	41PEST23024025.077.D	MR2
410-116613-5	MW-5-UF-20230222	03/02/2023 18:32	1	41PEST23024025.077.D	MR2
410-116613-6	MW-5-F-20230222	03/02/2023 18:46	1	41PEST23024025.078.D	MR2
410-116613-6	MW-5-F-20230222	03/02/2023 18:46	1	41PEST23024025.078.D	MR2
410-116613-7	MW-4-UF-20230222	03/02/2023 19:01	1	41PEST23024025.079.D	MR2
410-116613-7	MW-4-UF-20230222	03/02/2023 19:01	1	41PEST23024025.079.D	MR2
410-116613-8	MW-4-F-20230222	03/02/2023 19:15	1	41PEST23024025.080.D	MR2
410-116613-8	MW-4-F-20230222	03/02/2023 19:15	1	41PEST23024025.080.D	MR2
410-116613-9	MW-2D-UF-20230222	03/02/2023 19:30	1	41PEST23024025.081.D	MR2
410-116613-9	MW-2D-UF-20230222	03/02/2023 19:30	1	41PEST23024025.081.D	MR2
410-116613-10	MW-2D-F-20230222	03/02/2023 19:45	1	41PEST23024025.082.D	MR2
410-116613-10	MW-2D-F-20230222	03/02/2023 19:45	1	41PEST23024025.082.D	MR2
410-116613-11	DUP-UF-20230222	03/02/2023 19:59	5	41PEST23024025.083.D	MR2
410-116613-11	DUP-UF-20230222	03/02/2023 19:59	5	41PEST23024025.083.D	MR2
410-116613-12	DUP-F-20230222	03/02/2023 20:14	1	41PEST23024025.084.D	MR2

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Envi Job No.: 410-116613-1

SDG No.:

Instrument ID: 9147 Start Date: 03/01/2023 23:52

Analysis Batch Number: 349358 End Date: 03/02/2023 21:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
410-116613-12	DUP-F-20230222	03/02/2023 20:14	1	41PEST23024025.084.D	MR2
PIBLK 410-349358/85		03/02/2023 20:28	1	41PEST23024025.085.D	MR2
PIBLK 410-349358/85		03/02/2023 20:28	1	41PEST23024025.085.D	MR2
CCV 410-349358/86		03/02/2023 20:43	1	41PEST23024025.086.D	MR2
CCV 410-349358/86		03/02/2023 20:43	1	41PEST23024025.086.D	MR2
CCV 410-349358/87		03/02/2023 20:57	1	41PEST23024025.087.D	MR2
CCV 410-349358/87		03/02/2023 20:57	1	41PEST23024025.087.D	MR2
CCV 410-349358/88		03/02/2023 21:12	1		MR2
CCV 410-349358/88		03/02/2023 21:12	1		MR2

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-116613-1

SDG No.:

Batch Number: 338162 Batch Start Date: 01/25/23 00:20 Batch Analyst: Mutuku, Covenant M

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_CHL4 00011	GCS_CHLICVSTD 00006	GCS_KepICV 00020	GCS_MIXA1 00009	GCS_MIXA2 00008	GCS_MIXA3 00009
IC 410-338162/7		8081B					1 mL		
IC 410-338162/8		8081B						1 mL	
IC 410-338162/9		8081B							1 mL
ICRT 410-338162/10		8081B							
IC 410-338162/11		8081B							
IC 410-338162/12		8081B							
IC 410-338162/13		8081B							
IC 410-338162/14		8081B							
IC 410-338162/15		8081B							
ICRT 410-338162/16		8081B							
IC 410-338162/17		8081B							
IC 410-338162/18		8081B							
IC 410-338162/25		8081B							
IC 410-338162/26		8081B							
IC 410-338162/27		8081B							
ICRT 410-338162/28		8081B							
IC 410-338162/29		8081B							
IC 410-338162/30		8081B							
ICRT 410-338162/34		8081B		1 mL					
ICV 410-338162/38		8081B							
ICV 410-338162/39		8081B				1 mL			
ICV 410-338162/40		8081B							

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.: 410-116613-1

SDG No.:

Batch Number: 338162 Batch Start Date: 01/25/23 00:20 Batch Analyst: Mutuku, Covenant M

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_CHL4 00011	GCS_CHLICVSTD 00006	GCS_KepICV 00020	GCS_MIXA1 00009	GCS_MIXA2 00008	GCS_MIXA3 00009
ICV 410-338162/41		8081B			1 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MIXA4 00013	GCS_MIXA5 00012	GCS_MIXA6 00008	GCS_MixE1 00010	GCS_MixE2 00008	GCS_MixE3 00007
IC 410-338162/7		8081B							
IC 410-338162/8		8081B							
IC 410-338162/9		8081B							
ICRT 410-338162/10		8081B		1 mL					
IC 410-338162/11		8081B			1 mL				
IC 410-338162/12		8081B				1 mL			
IC 410-338162/13		8081B					1 mL		
IC 410-338162/14		8081B						1 mL	
IC 410-338162/15		8081B							1 mL
ICRT 410-338162/16		8081B							
IC 410-338162/17		8081B							
IC 410-338162/18		8081B							
IC 410-338162/25		8081B							
IC 410-338162/26		8081B							
IC 410-338162/27		8081B							
ICRT 410-338162/28		8081B							
IC 410-338162/29		8081B							
IC 410-338162/30		8081B							
ICRT 410-338162/34		8081B							

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.: 410-116613-1

SDG No.:

Batch Number: 338162 Batch Start Date: 01/25/23 00:20 Batch Analyst: Mutuku, Covenant M

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MIXA4 00013	GCS_MIXA5 00012	GCS_MIXA6 00008	GCS_MixE1 00010	GCS_MixE2 00008	GCS_MixE3 00007
ICV 410-338162/38		8081B							
ICV 410-338162/39		8081B							
ICV 410-338162/40		8081B							
ICV 410-338162/41		8081B							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MixE4 00008	GCS_MixE5 00007	GCS_MixE6 00007	GCS_MixEICV 00014	GCS_TOX1 00010	GCS_TOX2 00009
IC 410-338162/7		8081B							
IC 410-338162/8		8081B							
IC 410-338162/9		8081B							
ICRT 410-338162/10		8081B							
IC 410-338162/11		8081B							
IC 410-338162/12		8081B							
IC 410-338162/13		8081B							
IC 410-338162/14		8081B							
IC 410-338162/15		8081B							
ICRT 410-338162/16		8081B		1 mL					
IC 410-338162/17		8081B			1 mL				
IC 410-338162/18		8081B				1 mL			
IC 410-338162/25		8081B						1 mL	
IC 410-338162/26		8081B							1 mL
IC 410-338162/27		8081B							
ICRT 410-338162/28		8081B							

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.: 410-116613-1

SDG No.:

Batch Number: 338162 Batch Start Date: 01/25/23 00:20 Batch Analyst: Mutuku, Covenant M

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MixE4 00008	GCS_MixE5 00007	GCS_MixE6 00007	GCS_MixEICV 00014	GCS_TOX1 00010	GCS_TOX2 00009
IC 410-338162/29		8081B							
IC 410-338162/30		8081B							
ICRT 410-338162/34		8081B							
ICV 410-338162/38		8081B					1 mL		
ICV 410-338162/39		8081B							
ICV 410-338162/40		8081B							
ICV 410-338162/41		8081B							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_TOX3 00009	GCS_TOX4 00011	GCS_TOX5 00009	GCS_TOX6 00009	GCS_TOXICV 00013	
IC 410-338162/7		8081B							
IC 410-338162/8		8081B							
IC 410-338162/9		8081B							
ICRT 410-338162/10		8081B							
IC 410-338162/11		8081B							
IC 410-338162/12		8081B							
IC 410-338162/13		8081B							
IC 410-338162/14		8081B							
IC 410-338162/15		8081B							
ICRT 410-338162/16		8081B							
IC 410-338162/17		8081B							
IC 410-338162/18		8081B							
IC 410-338162/25		8081B							

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.: 410-116613-1

SDG No.:

Batch Number: 338162 Batch Start Date: 01/25/23 00:20 Batch Analyst: Mutuku, Covenant M

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_TOX3 00009	GCS_TOX4 00011	GCS_TOX5 00009	GCS_TOX6 00009	GCS_TOXICV 00013	
IC 410-338162/26		8081B							
IC 410-338162/27		8081B		1 mL					
ICRT 410-338162/28		8081B			1 mL				
IC 410-338162/29		8081B				1 mL			
IC 410-338162/30		8081B					1 mL		
ICRT 410-338162/34		8081B							
ICV 410-338162/38		8081B							
ICV 410-338162/39		8081B							
ICV 410-338162/40		8081B						1 mL	
ICV 410-338162/41		8081B							

Batch Notes	
Pipette/Syringe/Dispenser ID	/
Diluting Solvent ID	/
Dilution Solution ID	/
Vial Lot Number	21096121
Copper ID	/
Pipette Tip Lot ID	/
Batch Comment	/

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-116613-1

SDG No.:

Batch Number: 347154 Batch Start Date: 02/23/23 06:25 Batch Analyst: Dale, Anita M

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MIXA1 00009	GCS_MIXA2 00008	GCS_MIXA3 00009	GCS_MIXA4 00013	GCS_MIXA5 00012	GCS_MIXA6 00008
IC 410-347154/14		8081B		1 mL					
IC 410-347154/15		8081B			1 mL				
IC 410-347154/16		8081B				1 mL			
ICRT 410-347154/17		8081B					1 mL		
IC 410-347154/18		8081B						1 mL	
IC 410-347154/19		8081B							1 mL
ICV 410-347154/21		8081B							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MIXAICV 00013					
IC 410-347154/14		8081B							
IC 410-347154/15		8081B							
IC 410-347154/16		8081B							
ICRT 410-347154/17		8081B							
IC 410-347154/18		8081B							
IC 410-347154/19		8081B							
ICV 410-347154/21		8081B		1 mL					

Batch Notes	
Diluting Solvent ID	hexane 222307
Vial Lot Number	21096121

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratorie Job No.: 410-116613-1

SDG No.:

Batch Number: 348994 Batch Start Date: 03/01/23 08:04 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 03/01/23 13:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ReceivedpH
MB 410-348994/1		3510C, 8081B				n/a	250 mL	5 mL	6 SU
LCS 410-348994/2		3510C, 8081B				n/a	250 mL	5 mL	6 SU
410-116613-B-1 MS	MW-3-UF-20230222	3510C, 8081B	T	416.59 g	167.80 g	n/a	248.8 mL	5 mL	7 SU
410-116613-B-1 MSD	MW-3-UF-20230222	3510C, 8081B	T	415.35 g	166.06 g	n/a	249.3 mL	5 mL	7 SU
410-116613-B-1	MW-3-UF-20230222	3510C, 8081B	T	411.30 g	165.89 g	n/a	245.4 mL	5 mL	7 SU
410-116613-B-2 MS	MW-3-F-20230222	3510C, 8081B	D	414.65 g	167.93 g	n/a	246.7 mL	5 mL	7 SU
410-116613-B-2 MSD	MW-3-F-20230222	3510C, 8081B	D	414.54 g	166.06 g	n/a	248.5 mL	5 mL	7 SU
410-116613-B-2	MW-3-F-20230222	3510C, 8081B	D	414.56 g	166.21 g	n/a	248.4 mL	5 mL	7 SU
410-116613-B-3	EB-UF-20230222	3510C, 8081B	T	407.17 g	166.61 g	n/a	240.6 mL	5 mL	6 SU
410-116613-B-4	EB-F-20230222	3510C, 8081B	D	406.23 g	166.67 g	n/a	239.6 mL	5 mL	6 SU
410-116613-B-5	MW-5-UF-20230222	3510C, 8081B	T	404.80 g	167.65 g	n/a	237.2 mL	5 mL	7 SU
410-116613-B-6	MW-5-F-20230222	3510C, 8081B	D	414.20 g	166.37 g	n/a	247.8 mL	5 mL	7 SU
410-116613-B-7	MW-4-UF-20230222	3510C, 8081B	T	413.53 g	166.17 g	n/a	247.4 mL	5 mL	7 SU
410-116613-B-8	MW-4-F-20230222	3510C, 8081B	D	412.87 g	165.97 g	n/a	246.9 mL	5 mL	7 SU
410-116613-B-9	MW-2D-UF-20230222	3510C, 8081B	T	409.87 g	168.08 g	n/a	241.8 mL	5 mL	7 SU
410-116613-B-10	MW-2D-F-20230222	3510C, 8081B	D	416.47 g	167.93 g	n/a	248.5 mL	5 mL	8 SU
410-116613-B-11	DUP-UF-20230222	3510C, 8081B	T	416.84 g	167.71 g	n/a	249.1 mL	5 mL	7 SU
410-116613-B-12	DUP-F-20230222	3510C, 8081B	D	413.25 g	166.24 g	n/a	247 mL	5 mL	7 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_SW_SS 00026	OP_SW846_MS 00046	AnalysisComment
MB 410-348994/1		3510C, 8081B		n/a SU	n/a SU	n	0.25 mL		DI H20
LCS 410-348994/2		3510C, 8081B		n/a SU	n/a SU	n	0.25 mL	0.25 mL	DI H20
410-116613-B-1 MS	MW-3-UF-20230222	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL	0.25 mL	clear
410-116613-B-1 MSD	MW-3-UF-20230222	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL	0.25 mL	clear
410-116613-B-1	MW-3-UF-20230222	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		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.: 410-116613-1

SDG No.:

Batch Number: 348994 Batch Start Date: 03/01/23 08:04 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 03/01/23 13:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_SW_SS 00026	OP_SW846_MS 00046	AnalysisComment
410-116613-B-2 MS	MW-3-F-20230222	3510C, 8081B	D	n/a SU	n/a SU	n	0.25 mL	0.25 mL	clear
410-116613-B-2 MSD	MW-3-F-20230222	3510C, 8081B	D	n/a SU	n/a SU	n	0.25 mL	0.25 mL	clear
410-116613-B-2	MW-3-F-20230222	3510C, 8081B	D	n/a SU	n/a SU	n	0.25 mL		clear
410-116613-B-3	EB-UF-20230222	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		clear
410-116613-B-4	EB-F-20230222	3510C, 8081B	D	n/a SU	n/a SU	n	0.25 mL		clear
410-116613-B-5	MW-5-UF-20230222	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		gold tint
410-116613-B-6	MW-5-F-20230222	3510C, 8081B	D	n/a SU	n/a SU	n	0.25 mL		gold tint
410-116613-B-7	MW-4-UF-20230222	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		clear
410-116613-B-8	MW-4-F-20230222	3510C, 8081B	D	n/a SU	n/a SU	n	0.25 mL		clear
410-116613-B-9	MW-2D-UF-20230222	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		pale yellow tint
410-116613-B-10	MW-2D-F-20230222	3510C, 8081B	D	n/a SU	n/a SU	n	0.25 mL		pale yellow tint
410-116613-B-11	DUP-UF-20230222	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		pale yellow tint
410-116613-B-12	DUP-F-20230222	3510C, 8081B	D	n/a SU	n/a SU	n	0.25 mL		pale yellow tint

Batch Notes	
Method/Fraction	625_prep_LVI
Balance ID	93158
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	AGC40572, RSR34942
Analyst ID - Spike Analyst	AGC40572
Prep Solvent ID	MeCl2:226455
Prep Solvent Volume Used	45
Na2SO4 ID	23044A
Analyst ID - Concentration	AGC40572, RSR34942
Equipment ID - Concentration 1	BUCHI
Concentration 1 Corrected Temperature	55 Degrees C
Exchange Solvent ID	hexane:ED081-US

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.: 410-116613-1

SDG No.:

Batch Number: 348994 Batch Start Date: 03/01/23 08:04 Batch Analyst: Carrick, Adam

Batch Method: 3510C Batch End Date: 03/01/23 13:50

Basis	Basis Description
T	Total/NA
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

410-116613 Chain of Custody

'onme

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: AFV / MHM	Lab PM: Weyandt, Barbara A	Carrier Tracking No(s):	COC No: 410-81479-8178.1
Client Contact: Mr. Brian Taylor	Phone:	E-Mail: Barbara.Weyandt@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: Brown and Caldwell	PWSID:			Job #:

Address: 3 Marcus Blvd Suite 106	Due Date Requested:
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: Bartlett Tree	SSOW#:

Analysis Requested

Preservation Codes:

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, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B - TCL OC Pesticides	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MW-3-UF-20230222 +MS/MSD	02/22/23	1102	G	GW	N	Y	X	6	MS / MSD
MW-3-F-20230222 +MS/MSD		1107	G	GW	Y	Y	X	6	MS/MSD
EB-UF-20230222		1145	G	DI	N	N	X	2	
EB-F-20230222		1150	G	DI	Y	N	X	2	
MW-5-UF-20230222		1157	G	GW	N	N	X	2	
MW-5-F-20230222		1202	G	GW	Y	N	X	2	
MW-4-UF-20230222		1239	G	GW	N	N	X	2	
MW-4-F-20230222		1244	G	GW	Y	N	X	2	
MW-2D-20230222 "UF"		1333	G	GW	N	N	X	2	MW-2D-UF-20230222
MW-2D-F-20230222		1338	G	GW	Y	N	X	2	
DUP-UF-20230222		9998	G	GW	N	N	X	2	

Possible Hazard Identification

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	2/21/23 1205	Eurofins			
Relinquished by: Antonio Velazquez	Date/Time: 2/23/22	Company: BC	Received by: RPMclm	Date/Time: 23Feb23 1570	Company: ELLE
Relinquished by: RPMclm	Date/Time: 23Feb23 1800	Company: ELLE	Received by:	Date/Time: 2/23/23 1800	Company: ELLE

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.5, 3.5

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

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Client Information	Sampler: AFV/MHM	Lab PM: Weyandt, Barbara A	Carrier Tracking No(s):	COC No: 410-81479-8178.2
Client Contact: Mr. Brian Taylor	Phone:	E-Mail: Barbara.Weyandt@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: Brown and Caldwell	PWSID:	Analysis Requested		Job #
Address: 3 Marcus Blvd Suite 106	Due Date Requested:			Preservation Codes: 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, Y - Trizma, Z - other (specify); Other:
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: Bartlett Tree	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:				N		
DUP-F-20230222	02/22/23	9999	G	GW	Y	N	X	2	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Antonio Velazquez	2/23/23	BC	RPMdlm	23Feb23 1520	ELLE
RPMdlm	23Feb23 1800	ELLE			
Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company
				2/23/23 1800	ELLE

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.5, 3.5

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-116613-1

Login Number: 116613
List Number: 1
Creator: Wrye, Shaun

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	N/A	Not present
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	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	Not present.
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brian Taylor
Brown and Caldwell
3 Marcus Blvd
Suite 106
Albany NY 12205

Generated 12/27/2023 2:03 PM

JOB DESCRIPTION

Bartlett Tree Site, NY

JOB NUMBER

410-154654-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

myEOL

Job Notes

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

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

Authorization

Barb Weyandt

Generated
12/27/2023 2:03 PM

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

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

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

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

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

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



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Job Narrative
410-154654-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 12/13/2023 7:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C

Pesticides
Method 8081B: The DCB Decachlorobiphenyl (Surr) surrogate recovery for the following samples was outside acceptance limits (low biased) on the primary column: MW-5-F-20231212 (410-154654-4). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

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
Job ID: 410-154654-1
Project/Site: Bartlett Tree Site, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-154654-1	MW-3-UF-20231212	Water	12/12/23 09:31	12/13/23 19:20
410-154654-2	MW-3-F-20231212	Water	12/12/23 09:36	12/13/23 19:20
410-154654-3	MW-5-UF-20231212	Water	12/12/23 10:31	12/13/23 19:20
410-154654-4	MW-5-F-20231212	Water	12/12/23 10:36	12/13/23 19:20
410-154654-5	MW-4-UF-20231212	Water	12/12/23 11:33	12/13/23 19:20
410-154654-6	MW-4-F-20231212	Water	12/12/23 11:38	12/13/23 19:20
410-154654-7	MW-2D-UF-20231212	Water	12/12/23 12:50	12/13/23 19:20
410-154654-8	MW-2D-F-20231212	Water	12/12/23 12:55	12/13/23 19:20
410-154654-9	DUP-20231212-UF	Water	12/12/23 00:00	12/13/23 19:20
410-154654-10	DUP-20231212-F	Water	12/12/23 00:00	12/13/23 19:20
410-154654-11	FB-20231212-UF	Water	12/12/23 12:02	12/13/23 19:20
410-154654-12	FB-20231212-F	Water	12/12/23 12:08	12/13/23 19:20

Detection Summary

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

Job ID: 410-154654-1

Client Sample ID: MW-3-UF-20231212 — Lab Sample ID: 410-154654-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (1C)	0.0088	J	0.021	0.0031	ug/L	1		8081B	Total/NA

Client Sample ID: MW-3-F-20231212 — Lab Sample ID: 410-154654-2

No Detections.

Client Sample ID: MW-5-UF-20231212 — Lab Sample ID: 410-154654-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (1C)	0.0062	J p	0.030	0.0054	ug/L	1		8081B	Total/NA
Heptachlor epoxide (1C)	0.0031	J	0.020	0.0023	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.021	J	0.030	0.0053	ug/L	1		8081B	Total/NA

Client Sample ID: MW-5-F-20231212 — Lab Sample ID: 410-154654-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDT (1C)	0.0084	J p	0.030	0.0052	ug/L	1		8081B	Total/NA

Client Sample ID: MW-4-UF-20231212 — Lab Sample ID: 410-154654-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (1C)	0.0051	J p	0.020	0.0030	ug/L	1		8081B	Total/NA
Dieldrin (1C)	0.095		0.030	0.0053	ug/L	1		8081B	Total/NA
p,p'-DDD (2C)	0.0050	J p	0.030	0.0050	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.020	J	0.030	0.0052	ug/L	1		8081B	Total/NA

Client Sample ID: MW-4-F-20231212 — Lab Sample ID: 410-154654-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (1C)	0.026	J	0.030	0.0053	ug/L	1		8081B	Total/NA

Client Sample ID: MW-2D-UF-20231212 — Lab Sample ID: 410-154654-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-Chlordane (1C)	0.0059	J p	0.021	0.0031	ug/L	1		8081B	Total/NA
Dieldrin (1C)	0.014	J	0.031	0.0055	ug/L	1		8081B	Total/NA
Endosulfan sulfate (1C)	0.016	J	0.031	0.0060	ug/L	1		8081B	Total/NA
Endrin aldehyde (1C)	0.024	J p	0.10	0.021	ug/L	1		8081B	Total/NA
gamma-Chlordane (1C)	0.0095	J p	0.041	0.0072	ug/L	1		8081B	Total/NA
Heptachlor epoxide (1C)	0.0053	J	0.021	0.0024	ug/L	1		8081B	Total/NA
p,p'-DDD (1C)	0.24		0.031	0.0052	ug/L	1		8081B	Total/NA
p,p'-DDE (1C)	0.082		0.031	0.0052	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.074	p	0.031	0.0054	ug/L	1		8081B	Total/NA

Client Sample ID: MW-2D-F-20231212 — Lab Sample ID: 410-154654-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p,p'-DDD (1C)	0.011	J	0.030	0.0050	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.052	p	0.030	0.0052	ug/L	1		8081B	Total/NA

Client Sample ID: DUP-20231212-UF — Lab Sample ID: 410-154654-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC (1C)	0.014	J	0.020	0.0030	ug/L	1		8081B	Total/NA
alpha-Chlordane (1C)	0.0068	J	0.020	0.0030	ug/L	1		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-20231212-UF (Continued)
Lab Sample ID: 410-154654-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (1C)	0.10		0.030	0.0053	ug/L	1		8081B	Total/NA
Endosulfan sulfate (1C)	0.0092	J	0.030	0.0058	ug/L	1		8081B	Total/NA
Heptachlor epoxide (1C)	0.0024	J p	0.020	0.0023	ug/L	1		8081B	Total/NA
p,p'-DDD (2C)	0.0055	J p	0.030	0.0050	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.021	J	0.030	0.0052	ug/L	1		8081B	Total/NA

Client Sample ID: DUP-20231212-F
Lab Sample ID: 410-154654-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin (1C)	0.023	J	0.031	0.0055	ug/L	1		8081B	Total/NA
p,p'-DDT (1C)	0.0072	J	0.031	0.0054	ug/L	1		8081B	Total/NA

Client Sample ID: FB-20231212-UF
Lab Sample ID: 410-154654-11

No Detections.

Client Sample ID: FB-20231212-F
Lab Sample ID: 410-154654-12

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Brown and Caldwell
Job ID: 410-154654-1
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

Protocol References:

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

Laboratory References:

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

Client Sample ID: MW-3-UF-20231212

Lab Sample ID: 410-154654-1

Date Collected: 12/12/23 09:31

Matrix: Water

Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 08:31	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		12/18/23 10:00	12/20/23 08:31	1
alpha-Chlordane (1C)	**0.0088**	**J**	0.021	0.0031	ug/L		12/18/23 10:00	12/20/23 08:31	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		12/18/23 10:00	12/20/23 08:31	1
delta-BHC (1C)	ND		0.021	0.0036	ug/L		12/18/23 10:00	12/20/23 08:31	1
Dieldrin (1C)	ND		0.031	0.0055	ug/L		12/18/23 10:00	12/20/23 08:31	1
Endosulfan I (2C)	ND		0.021	0.0045	ug/L		12/18/23 10:00	12/20/23 08:31	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		12/18/23 10:00	12/20/23 08:31	1
Endosulfan sulfate (1C)	ND		0.031	0.0061	ug/L		12/18/23 10:00	12/20/23 08:31	1
Endrin (1C)	ND		0.031	0.0085	ug/L		12/18/23 10:00	12/20/23 08:31	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		12/18/23 10:00	12/20/23 08:31	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		12/18/23 10:00	12/20/23 08:31	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 08:31	1
gamma-Chlordane (1C)	ND		0.042	0.0073	ug/L		12/18/23 10:00	12/20/23 08:31	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 08:31	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		12/18/23 10:00	12/20/23 08:31	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		12/18/23 10:00	12/20/23 08:31	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		12/18/23 10:00	12/20/23 08:31	1
p,p'-DDD (1C)	ND		0.031	0.0052	ug/L		12/18/23 10:00	12/20/23 08:31	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		12/18/23 10:00	12/20/23 08:31	1
p,p'-DDT (1C)	ND		0.031	0.0054	ug/L		12/18/23 10:00	12/20/23 08:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*81*		*20 - 149*	*12/18/23 10:00*	*12/20/23 08:31*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*85*		*20 - 149*	*12/18/23 10:00*	*12/20/23 08:31*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*80*		*20 - 129*	*12/18/23 10:00*	*12/20/23 08:31*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*80*		*20 - 129*	*12/18/23 10:00*	*12/20/23 08:31*	*1*

Client Sample ID: MW-3-F-20231212

Lab Sample ID: 410-154654-2

Date Collected: 12/12/23 09:36

Matrix: Water

Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:14	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 09:14	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 09:14	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		12/18/23 10:00	12/20/23 09:14	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		12/18/23 10:00	12/20/23 09:14	1
Dieldrin (1C)	ND		0.030	0.0054	ug/L		12/18/23 10:00	12/20/23 09:14	1
Endosulfan I (1C)	ND		0.020	0.0044	ug/L		12/18/23 10:00	12/20/23 09:14	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		12/18/23 10:00	12/20/23 09:14	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		12/18/23 10:00	12/20/23 09:14	1
Endrin (1C)	ND		0.030	0.0082	ug/L		12/18/23 10:00	12/20/23 09:14	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		12/18/23 10:00	12/20/23 09:14	1
Endrin ketone (1C)	ND		0.030	0.0051	ug/L		12/18/23 10:00	12/20/23 09:14	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:14	1
gamma-Chlordane (1C)	ND		0.041	0.0071	ug/L		12/18/23 10:00	12/20/23 09:14	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:14	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		12/18/23 10:00	12/20/23 09:14	1

Client Sample ID: MW-3-F-20231212
Lab Sample ID: 410-154654-2

Date Collected: 12/12/23 09:36
Matrix: Water
Date Received: 12/13/23 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.030	ug/L		12/18/23 10:00	12/20/23 09:14	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		12/18/23 10:00	12/20/23 09:14	1
p,p'-DDD (1C)	ND		0.030	0.0051	ug/L		12/18/23 10:00	12/20/23 09:14	1
p,p'-DDE (1C)	ND		0.030	0.0051	ug/L		12/18/23 10:00	12/20/23 09:14	1
p,p'-DDT (1C)	ND		0.030	0.0053	ug/L		12/18/23 10:00	12/20/23 09:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*81*		*20 - 149*	*12/18/23 10:00*	*12/20/23 09:14*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*89*		*20 - 149*	*12/18/23 10:00*	*12/20/23 09:14*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*84*		*20 - 129*	*12/18/23 10:00*	*12/20/23 09:14*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*82*		*20 - 129*	*12/18/23 10:00*	*12/20/23 09:14*	*1*

Client Sample ID: MW-5-UF-20231212
Lab Sample ID: 410-154654-3

Date Collected: 12/12/23 10:31
Matrix: Water
Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:28	1
alpha-BHC (2C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 09:28	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 09:28	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		12/18/23 10:00	12/20/23 09:28	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		12/18/23 10:00	12/20/23 09:28	1
Dieldrin (1C)	**0.0062**	**J p**	0.030	0.0054	ug/L		12/18/23 10:00	12/20/23 09:28	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		12/18/23 10:00	12/20/23 09:28	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		12/18/23 10:00	12/20/23 09:28	1
Endosulfan sulfate (1C)	ND		0.030	0.0059	ug/L		12/18/23 10:00	12/20/23 09:28	1
Endrin (1C)	ND		0.030	0.0082	ug/L		12/18/23 10:00	12/20/23 09:28	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		12/18/23 10:00	12/20/23 09:28	1
Endrin ketone (1C)	ND		0.030	0.0051	ug/L		12/18/23 10:00	12/20/23 09:28	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:28	1
gamma-Chlordane (1C)	ND		0.040	0.0071	ug/L		12/18/23 10:00	12/20/23 09:28	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:28	1
Heptachlor epoxide (1C)	**0.0031**	**J**	0.020	0.0023	ug/L		12/18/23 10:00	12/20/23 09:28	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		12/18/23 10:00	12/20/23 09:28	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		12/18/23 10:00	12/20/23 09:28	1
p,p'-DDD (2C)	ND		0.030	0.0051	ug/L		12/18/23 10:00	12/20/23 09:28	1
p,p'-DDE (1C)	ND		0.030	0.0051	ug/L		12/18/23 10:00	12/20/23 09:28	1
p,p'-DDT (1C)	**0.021**	**J**	0.030	0.0053	ug/L		12/18/23 10:00	12/20/23 09:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*28*	*p*	*20 - 149*	*12/18/23 10:00*	*12/20/23 09:28*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*57*		*20 - 149*	*12/18/23 10:00*	*12/20/23 09:28*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*77*		*20 - 129*	*12/18/23 10:00*	*12/20/23 09:28*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*76*		*20 - 129*	*12/18/23 10:00*	*12/20/23 09:28*	*1*

Client Sample ID: MW-5-F-20231212
Lab Sample ID: 410-154654-4

Date Collected: 12/12/23 10:36
Matrix: Water
Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:43	1
alpha-BHC (2C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 09:43	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 09:43	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		12/18/23 10:00	12/20/23 09:43	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		12/18/23 10:00	12/20/23 09:43	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		12/18/23 10:00	12/20/23 09:43	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		12/18/23 10:00	12/20/23 09:43	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		12/18/23 10:00	12/20/23 09:43	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		12/18/23 10:00	12/20/23 09:43	1
Endrin (1C)	ND		0.030	0.0081	ug/L		12/18/23 10:00	12/20/23 09:43	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		12/18/23 10:00	12/20/23 09:43	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 09:43	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:43	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		12/18/23 10:00	12/20/23 09:43	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:43	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		12/18/23 10:00	12/20/23 09:43	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		12/18/23 10:00	12/20/23 09:43	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		12/18/23 10:00	12/20/23 09:43	1
p,p'-DDD (2C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 09:43	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 09:43	1
p,p'-DDT (1C)	**0.0084**	**J p**	0.030	0.0052	ug/L		12/18/23 10:00	12/20/23 09:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*18*	*S1- cn*	*20 - 149*	*12/18/23 10:00*	*12/20/23 09:43*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*20*	*cn*	*20 - 149*	*12/18/23 10:00*	*12/20/23 09:43*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*47*		*20 - 129*	*12/18/23 10:00*	*12/20/23 09:43*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*50*		*20 - 129*	*12/18/23 10:00*	*12/20/23 09:43*	*1*

Client Sample ID: MW-4-UF-20231212
Lab Sample ID: 410-154654-5

Date Collected: 12/12/23 11:33
Matrix: Water
Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:57	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 09:57	1
alpha-Chlordane (1C)	**0.0051**	**J p**	0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 09:57	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		12/18/23 10:00	12/20/23 09:57	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		12/18/23 10:00	12/20/23 09:57	1
Dieldrin (1C)	**0.095**		0.030	0.0053	ug/L		12/18/23 10:00	12/20/23 09:57	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		12/18/23 10:00	12/20/23 09:57	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		12/18/23 10:00	12/20/23 09:57	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		12/18/23 10:00	12/20/23 09:57	1
Endrin (1C)	ND		0.030	0.0082	ug/L		12/18/23 10:00	12/20/23 09:57	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		12/18/23 10:00	12/20/23 09:57	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 09:57	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:57	1
gamma-Chlordane (1C)	ND		0.040	0.0071	ug/L		12/18/23 10:00	12/20/23 09:57	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 09:57	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		12/18/23 10:00	12/20/23 09:57	1

Client Sample ID: MW-4-UF-20231212
Lab Sample ID: 410-154654-5

Date Collected: 12/12/23 11:33
Matrix: Water
Date Received: 12/13/23 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.030	ug/L		12/18/23 10:00	12/20/23 09:57	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		12/18/23 10:00	12/20/23 09:57	1
p,p'-DDD (2C)	**0.0050**	**J p**	0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 09:57	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 09:57	1
p,p'-DDT (1C)	**0.020**	**J**	0.030	0.0052	ug/L		12/18/23 10:00	12/20/23 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*42*		*20 - 149*	*12/18/23 10:00*	*12/20/23 09:57*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*49*		*20 - 149*	*12/18/23 10:00*	*12/20/23 09:57*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*64*		*20 - 129*	*12/18/23 10:00*	*12/20/23 09:57*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*62*		*20 - 129*	*12/18/23 10:00*	*12/20/23 09:57*	*1*

Client Sample ID: MW-4-F-20231212
Lab Sample ID: 410-154654-6

Date Collected: 12/12/23 11:38
Matrix: Water
Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 10:11	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 10:11	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 10:11	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		12/18/23 10:00	12/20/23 10:11	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		12/18/23 10:00	12/20/23 10:11	1
Dieldrin (1C)	**0.026**	**J**	0.030	0.0053	ug/L		12/18/23 10:00	12/20/23 10:11	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		12/18/23 10:00	12/20/23 10:11	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		12/18/23 10:00	12/20/23 10:11	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		12/18/23 10:00	12/20/23 10:11	1
Endrin (1C)	ND		0.030	0.0081	ug/L		12/18/23 10:00	12/20/23 10:11	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		12/18/23 10:00	12/20/23 10:11	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 10:11	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 10:11	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		12/18/23 10:00	12/20/23 10:11	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 10:11	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		12/18/23 10:00	12/20/23 10:11	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		12/18/23 10:00	12/20/23 10:11	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		12/18/23 10:00	12/20/23 10:11	1
p,p'-DDD (2C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 10:11	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 10:11	1
p,p'-DDT (2C)	ND		0.030	0.0052	ug/L		12/18/23 10:00	12/20/23 10:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*64*		*20 - 149*	*12/18/23 10:00*	*12/20/23 10:11*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*71*		*20 - 149*	*12/18/23 10:00*	*12/20/23 10:11*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*79*		*20 - 129*	*12/18/23 10:00*	*12/20/23 10:11*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*76*		*20 - 129*	*12/18/23 10:00*	*12/20/23 10:11*	*1*

Client Sample ID: MW-2D-UF-20231212
Lab Sample ID: 410-154654-7

Date Collected: 12/12/23 12:50
Matrix: Water
Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (2C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 10:26	1
alpha-BHC (1C)	ND		0.021	0.0031	ug/L		12/18/23 10:00	12/20/23 10:26	1
alpha-Chlordane (1C)	**0.0059**	**J p**	0.021	0.0031	ug/L		12/18/23 10:00	12/20/23 10:26	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		12/18/23 10:00	12/20/23 10:26	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		12/18/23 10:00	12/20/23 10:26	1
Dieldrin (1C)	**0.014**	**J**	0.031	0.0055	ug/L		12/18/23 10:00	12/20/23 10:26	1
Endosulfan I (1C)	ND		0.021	0.0044	ug/L		12/18/23 10:00	12/20/23 10:26	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		12/18/23 10:00	12/20/23 10:26	1
Endosulfan sulfate (1C)	**0.016**	**J**	0.031	0.0060	ug/L		12/18/23 10:00	12/20/23 10:26	1
Endrin (1C)	ND		0.031	0.0084	ug/L		12/18/23 10:00	12/20/23 10:26	1
Endrin aldehyde (1C)	**0.024**	**J p**	0.10	0.021	ug/L		12/18/23 10:00	12/20/23 10:26	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		12/18/23 10:00	12/20/23 10:26	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 10:26	1
gamma-Chlordane (1C)	**0.0095**	**J p**	0.041	0.0072	ug/L		12/18/23 10:00	12/20/23 10:26	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 10:26	1
Heptachlor epoxide (1C)	**0.0053**	**J**	0.021	0.0024	ug/L		12/18/23 10:00	12/20/23 10:26	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		12/18/23 10:00	12/20/23 10:26	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		12/18/23 10:00	12/20/23 10:26	1
p,p'-DDD (1C)	**0.24**		0.031	0.0052	ug/L		12/18/23 10:00	12/20/23 10:26	1
p,p'-DDE (1C)	**0.082**		0.031	0.0052	ug/L		12/18/23 10:00	12/20/23 10:26	1
p,p'-DDT (1C)	**0.074**	**p**	0.031	0.0054	ug/L		12/18/23 10:00	12/20/23 10:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*41*		*20 - 149*	*12/18/23 10:00*	*12/20/23 10:26*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*62*		*20 - 149*	*12/18/23 10:00*	*12/20/23 10:26*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*64*		*20 - 129*	*12/18/23 10:00*	*12/20/23 10:26*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*61*		*20 - 129*	*12/18/23 10:00*	*12/20/23 10:26*	*1*

Client Sample ID: MW-2D-F-20231212
Lab Sample ID: 410-154654-8

Date Collected: 12/12/23 12:55
Matrix: Water
Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 10:41	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 10:41	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 10:41	1
beta-BHC (2C)	ND		0.030	0.011	ug/L		12/18/23 10:00	12/20/23 10:41	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		12/18/23 10:00	12/20/23 10:41	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		12/18/23 10:00	12/20/23 10:41	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		12/18/23 10:00	12/20/23 10:41	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		12/18/23 10:00	12/20/23 10:41	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		12/18/23 10:00	12/20/23 10:41	1
Endrin (1C)	ND		0.030	0.0081	ug/L		12/18/23 10:00	12/20/23 10:41	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		12/18/23 10:00	12/20/23 10:41	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 10:41	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 10:41	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		12/18/23 10:00	12/20/23 10:41	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 10:41	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		12/18/23 10:00	12/20/23 10:41	1

Client Sample ID: MW-2D-F-20231212

Lab Sample ID: 410-154654-8

Date Collected: 12/12/23 12:55

Matrix: Water

Date Received: 12/13/23 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.11	0.030	ug/L		12/18/23 10:00	12/20/23 10:41	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		12/18/23 10:00	12/20/23 10:41	1
p,p'-DDD (1C)	**0.011**	**J**	0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 10:41	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 10:41	1
p,p'-DDT (1C)	**0.052**	**p**	0.030	0.0052	ug/L		12/18/23 10:00	12/20/23 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*52*		*20 - 149*	*12/18/23 10:00*	*12/20/23 10:41*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*61*		*20 - 149*	*12/18/23 10:00*	*12/20/23 10:41*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*70*		*20 - 129*	*12/18/23 10:00*	*12/20/23 10:41*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*67*		*20 - 129*	*12/18/23 10:00*	*12/20/23 10:41*	*1*

Client Sample ID: DUP-20231212-UF

Lab Sample ID: 410-154654-9

Date Collected: 12/12/23 00:00

Matrix: Water

Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 10:55	1
alpha-BHC (1C)	**0.014**	**J**	0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 10:55	1
alpha-Chlordane (1C)	**0.0068**	**J**	0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 10:55	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		12/18/23 10:00	12/20/23 10:55	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		12/18/23 10:00	12/20/23 10:55	1
Dieldrin (1C)	**0.10**		0.030	0.0053	ug/L		12/18/23 10:00	12/20/23 10:55	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		12/18/23 10:00	12/20/23 10:55	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		12/18/23 10:00	12/20/23 10:55	1
Endosulfan sulfate (1C)	**0.0092**	**J**	0.030	0.0058	ug/L		12/18/23 10:00	12/20/23 10:55	1
Endrin (1C)	ND		0.030	0.0081	ug/L		12/18/23 10:00	12/20/23 10:55	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		12/18/23 10:00	12/20/23 10:55	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 10:55	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 10:55	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		12/18/23 10:00	12/20/23 10:55	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 10:55	1
Heptachlor epoxide (1C)	**0.0024**	**J p**	0.020	0.0023	ug/L		12/18/23 10:00	12/20/23 10:55	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		12/18/23 10:00	12/20/23 10:55	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		12/18/23 10:00	12/20/23 10:55	1
p,p'-DDD (2C)	**0.0055**	**J p**	0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 10:55	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 10:55	1
p,p'-DDT (1C)	**0.021**	**J**	0.030	0.0052	ug/L		12/18/23 10:00	12/20/23 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*45*		*20 - 149*	*12/18/23 10:00*	*12/20/23 10:55*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*55*		*20 - 149*	*12/18/23 10:00*	*12/20/23 10:55*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*78*		*20 - 129*	*12/18/23 10:00*	*12/20/23 10:55*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*75*		*20 - 129*	*12/18/23 10:00*	*12/20/23 10:55*	*1*

Client Sample ID: DUP-20231212-F

Lab Sample ID: 410-154654-10

Date Collected: 12/12/23 00:00
Matrix: Water
Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 11:10	1
alpha-BHC (2C)	ND		0.021	0.0031	ug/L		12/18/23 10:00	12/20/23 11:10	1
alpha-Chlordane (1C)	ND		0.021	0.0031	ug/L		12/18/23 10:00	12/20/23 11:10	1
beta-BHC (1C)	ND		0.031	0.011	ug/L		12/18/23 10:00	12/20/23 11:10	1
delta-BHC (1C)	ND		0.021	0.0035	ug/L		12/18/23 10:00	12/20/23 11:10	1
Dieldrin (1C)	**0.023**	**J**	0.031	0.0055	ug/L		12/18/23 10:00	12/20/23 11:10	1
Endosulfan I (1C)	ND		0.021	0.0044	ug/L		12/18/23 10:00	12/20/23 11:10	1
Endosulfan II (1C)	ND		0.041	0.015	ug/L		12/18/23 10:00	12/20/23 11:10	1
Endosulfan sulfate (1C)	ND		0.031	0.0060	ug/L		12/18/23 10:00	12/20/23 11:10	1
Endrin (1C)	ND		0.031	0.0084	ug/L		12/18/23 10:00	12/20/23 11:10	1
Endrin aldehyde (1C)	ND		0.10	0.021	ug/L		12/18/23 10:00	12/20/23 11:10	1
Endrin ketone (1C)	ND		0.031	0.0052	ug/L		12/18/23 10:00	12/20/23 11:10	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 11:10	1
gamma-Chlordane (1C)	ND		0.041	0.0072	ug/L		12/18/23 10:00	12/20/23 11:10	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 11:10	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		12/18/23 10:00	12/20/23 11:10	1
Methoxychlor (1C)	ND		0.11	0.031	ug/L		12/18/23 10:00	12/20/23 11:10	1
Toxaphene (1C)	ND		1.0	0.31	ug/L		12/18/23 10:00	12/20/23 11:10	1
p,p'-DDD (2C)	ND		0.031	0.0052	ug/L		12/18/23 10:00	12/20/23 11:10	1
p,p'-DDE (1C)	ND		0.031	0.0052	ug/L		12/18/23 10:00	12/20/23 11:10	1
p,p'-DDT (1C)	**0.0072**	**J**	0.031	0.0054	ug/L		12/18/23 10:00	12/20/23 11:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*60*		*20 - 149*	*12/18/23 10:00*	*12/20/23 11:10*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*62*		*20 - 149*	*12/18/23 10:00*	*12/20/23 11:10*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*66*		*20 - 129*	*12/18/23 10:00*	*12/20/23 11:10*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*65*		*20 - 129*	*12/18/23 10:00*	*12/20/23 11:10*	*1*

Client Sample ID: FB-20231212-UF

Lab Sample ID: 410-154654-11

Date Collected: 12/12/23 12:02
Matrix: Water
Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 11:24	1
alpha-BHC (1C)	ND		0.021	0.0032	ug/L		12/18/23 10:00	12/20/23 11:24	1
alpha-Chlordane (1C)	ND		0.021	0.0032	ug/L		12/18/23 10:00	12/20/23 11:24	1
beta-BHC (1C)	ND		0.032	0.012	ug/L		12/18/23 10:00	12/20/23 11:24	1
delta-BHC (1C)	ND		0.021	0.0036	ug/L		12/18/23 10:00	12/20/23 11:24	1
Dieldrin (1C)	ND		0.032	0.0056	ug/L		12/18/23 10:00	12/20/23 11:24	1
Endosulfan I (1C)	ND		0.021	0.0046	ug/L		12/18/23 10:00	12/20/23 11:24	1
Endosulfan II (1C)	ND		0.042	0.016	ug/L		12/18/23 10:00	12/20/23 11:24	1
Endosulfan sulfate (1C)	ND		0.032	0.0062	ug/L		12/18/23 10:00	12/20/23 11:24	1
Endrin (1C)	ND		0.032	0.0086	ug/L		12/18/23 10:00	12/20/23 11:24	1
Endrin aldehyde (1C)	ND		0.11	0.021	ug/L		12/18/23 10:00	12/20/23 11:24	1
Endrin ketone (1C)	ND		0.032	0.0053	ug/L		12/18/23 10:00	12/20/23 11:24	1
gamma-BHC (Lindane) (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 11:24	1
gamma-Chlordane (1C)	ND		0.042	0.0074	ug/L		12/18/23 10:00	12/20/23 11:24	1
Heptachlor (1C)	ND		0.021	0.0021	ug/L		12/18/23 10:00	12/20/23 11:24	1
Heptachlor epoxide (1C)	ND		0.021	0.0024	ug/L		12/18/23 10:00	12/20/23 11:24	1

Client Sample ID: FB-20231212-UF
Lab Sample ID: 410-154654-11

Date Collected: 12/12/23 12:02
Matrix: Water
Date Received: 12/13/23 19:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor (1C)	ND		0.12	0.032	ug/L		12/18/23 10:00	12/20/23 11:24	1
Toxaphene (1C)	ND		1.1	0.32	ug/L		12/18/23 10:00	12/20/23 11:24	1
p,p'-DDD (1C)	ND		0.032	0.0053	ug/L		12/18/23 10:00	12/20/23 11:24	1
p,p'-DDE (1C)	ND		0.032	0.0053	ug/L		12/18/23 10:00	12/20/23 11:24	1
p,p'-DDT (1C)	ND		0.032	0.0055	ug/L		12/18/23 10:00	12/20/23 11:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*33*		*20 - 149*	*12/18/23 10:00*	*12/20/23 11:24*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*35*		*20 - 149*	*12/18/23 10:00*	*12/20/23 11:24*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*60*		*20 - 129*	*12/18/23 10:00*	*12/20/23 11:24*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*62*		*20 - 129*	*12/18/23 10:00*	*12/20/23 11:24*	*1*

Client Sample ID: FB-20231212-F
Lab Sample ID: 410-154654-12

Date Collected: 12/12/23 12:08
Matrix: Water
Date Received: 12/13/23 19:20

Method: SW846 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 11:39	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 11:39	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 11:39	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		12/18/23 10:00	12/20/23 11:39	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		12/18/23 10:00	12/20/23 11:39	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		12/18/23 10:00	12/20/23 11:39	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		12/18/23 10:00	12/20/23 11:39	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		12/18/23 10:00	12/20/23 11:39	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		12/18/23 10:00	12/20/23 11:39	1
Endrin (1C)	ND		0.030	0.0082	ug/L		12/18/23 10:00	12/20/23 11:39	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		12/18/23 10:00	12/20/23 11:39	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 11:39	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 11:39	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		12/18/23 10:00	12/20/23 11:39	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 11:39	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		12/18/23 10:00	12/20/23 11:39	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		12/18/23 10:00	12/20/23 11:39	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		12/18/23 10:00	12/20/23 11:39	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 11:39	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 11:39	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		12/18/23 10:00	12/20/23 11:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*20*		*20 - 149*	*12/18/23 10:00*	*12/20/23 11:39*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*22*		*20 - 149*	*12/18/23 10:00*	*12/20/23 11:39*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*51*		*20 - 129*	*12/18/23 10:00*	*12/20/23 11:39*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*52*		*20 - 129*	*12/18/23 10:00*	*12/20/23 11:39*	*1*

Surrogate Summary

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

Job ID: 410-154654-1

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	(20-149)	(20-149)	(20-129)	(20-129)
410-154654-1	MW-3-UF-20231212	81	85	80	80
410-154654-1 MS	MW-3-UF-20231212 MS/MSD	72	76	72	72
410-154654-1 MSD	MW-3-UF-20231212 MS/MSD	76	79	77	77
410-154654-2	MW-3-F-20231212	81	89	84	82
410-154654-2 MS	MW-3-F-20231212 MS/MSD	70	75	69	70
410-154654-2 MSD	MW-3-F-20231212 MS/MSD	71	75	70	69
410-154654-3	MW-5-UF-20231212	28 p	57	77	76
410-154654-4	MW-5-F-20231212	18 S1- cn	20 cn	47	50
410-154654-5	MW-4-UF-20231212	42	49	64	62
410-154654-6	MW-4-F-20231212	64	71	79	76
410-154654-7	MW-2D-UF-20231212	41	62	64	61
410-154654-8	MW-2D-F-20231212	52	61	70	67
410-154654-9	DUP-20231212-UF	45	55	78	75
410-154654-10	DUP-20231212-F	60	62	66	65
410-154654-11	FB-20231212-UF	33	35	60	62
410-154654-12	FB-20231212-F	20	22	51	52
LCS 410-455243/2-A	Lab Control Sample	78	82	69	71
MB 410-455243/1-A	Method Blank	75	77	71	71

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 410-455243/1-A
Matrix: Water
Analysis Batch: 456082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 455243

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 07:33	1
alpha-BHC (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 07:33	1
alpha-Chlordane (1C)	ND		0.020	0.0030	ug/L		12/18/23 10:00	12/20/23 07:33	1
beta-BHC (1C)	ND		0.030	0.011	ug/L		12/18/23 10:00	12/20/23 07:33	1
delta-BHC (1C)	ND		0.020	0.0034	ug/L		12/18/23 10:00	12/20/23 07:33	1
Dieldrin (1C)	ND		0.030	0.0053	ug/L		12/18/23 10:00	12/20/23 07:33	1
Endosulfan I (1C)	ND		0.020	0.0043	ug/L		12/18/23 10:00	12/20/23 07:33	1
Endosulfan II (1C)	ND		0.040	0.015	ug/L		12/18/23 10:00	12/20/23 07:33	1
Endosulfan sulfate (1C)	ND		0.030	0.0058	ug/L		12/18/23 10:00	12/20/23 07:33	1
Endrin (1C)	ND		0.030	0.0081	ug/L		12/18/23 10:00	12/20/23 07:33	1
Endrin aldehyde (1C)	ND		0.10	0.020	ug/L		12/18/23 10:00	12/20/23 07:33	1
Endrin ketone (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 07:33	1
gamma-BHC (Lindane) (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 07:33	1
gamma-Chlordane (1C)	ND		0.040	0.0070	ug/L		12/18/23 10:00	12/20/23 07:33	1
Heptachlor (1C)	ND		0.020	0.0020	ug/L		12/18/23 10:00	12/20/23 07:33	1
Heptachlor epoxide (1C)	ND		0.020	0.0023	ug/L		12/18/23 10:00	12/20/23 07:33	1
Methoxychlor (1C)	ND		0.11	0.030	ug/L		12/18/23 10:00	12/20/23 07:33	1
Toxaphene (1C)	ND		1.0	0.30	ug/L		12/18/23 10:00	12/20/23 07:33	1
p,p'-DDD (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 07:33	1
p,p'-DDE (1C)	ND		0.030	0.0050	ug/L		12/18/23 10:00	12/20/23 07:33	1
p,p'-DDT (1C)	ND		0.030	0.0052	ug/L		12/18/23 10:00	12/20/23 07:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl (Surr) (1C)	*75*		*20 - 149*	*12/18/23 10:00*	*12/20/23 07:33*	*1*
DCB Decachlorobiphenyl (Surr) (2C)	*77*		*20 - 149*	*12/18/23 10:00*	*12/20/23 07:33*	*1*
Tetrachloro-m-xylene (Surr) (1C)	*71*		*20 - 129*	*12/18/23 10:00*	*12/20/23 07:33*	*1*
Tetrachloro-m-xylene (Surr) (2C)	*71*		*20 - 129*	*12/18/23 10:00*	*12/20/23 07:33*	*1*

Lab Sample ID: LCS 410-455243/2-A
Matrix: Water
Analysis Batch: 456082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (1C)	0.100	0.0579		ug/L		58	10 - 148
alpha-BHC (1C)	0.100	0.0895		ug/L		90	47 - 132
beta-BHC (1C)	0.100	0.0997		ug/L		100	65 - 139
delta-BHC (1C)	0.100	0.0890		ug/L		89	56 - 141
Dieldrin (1C)	0.200	0.189		ug/L		94	58 - 145
Endosulfan I (1C)	0.100	0.0929		ug/L		93	63 - 138
Endosulfan II (1C)	0.200	0.190		ug/L		95	61 - 138
Endosulfan sulfate (1C)	0.200	0.188		ug/L		94	63 - 129
Endrin (1C)	0.200	0.184		ug/L		92	63 - 131
Endrin aldehyde (1C)	0.200	0.169		ug/L		84	57 - 135
Endrin ketone (1C)	0.200	0.197		ug/L		99	67 - 136
gamma-BHC (Lindane) (1C)	0.100	0.0900		ug/L		90	61 - 139
Heptachlor (1C)	0.100	0.0705		ug/L		71	35 - 136
Heptachlor epoxide (1C)	0.100	0.0918		ug/L		92	59 - 146
Methoxychlor (1C)	1.00	1.07		ug/L		107	66 - 148

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

Lab Sample ID: LCS 410-455243/2-A
Matrix: Water
Analysis Batch: 456082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 455243

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p,p'-DDD (1C)	0.200	0.187		ug/L		93	42 - 148
p,p'-DDE (1C)	0.200	0.157		ug/L		79	20 - 140
p,p'-DDT (1C)	0.200	0.203		ug/L		102	40 - 145

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*78*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*82*		*20 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*69*		*20 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*71*		*20 - 129*

Lab Sample ID: 410-154654-1 MS
Matrix: Water
Analysis Batch: 456082

Client Sample ID: MW-3-UF-20231212 MS/MSD
Prep Type: Total/NA
Prep Batch: 455243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (1C)	ND		0.103	0.0696		ug/L		67	10 - 148
alpha-BHC (1C)	ND		0.103	0.0895		ug/L		87	47 - 132
beta-BHC (1C)	ND		0.103	0.100		ug/L		97	65 - 139
delta-BHC (1C)	ND		0.103	0.0882		ug/L		85	56 - 141
Dieldrin (1C)	ND		0.206	0.185		ug/L		90	58 - 145
Endosulfan I (1C)	ND		0.103	0.0929		ug/L		90	63 - 138
Endosulfan II (1C)	ND		0.206	0.182		ug/L		88	61 - 138
Endosulfan sulfate (1C)	ND		0.206	0.185		ug/L		90	63 - 129
Endrin (1C)	ND		0.206	0.182		ug/L		88	63 - 131
Endrin aldehyde (1C)	ND		0.206	0.166		ug/L		80	57 - 135
Endrin ketone (1C)	ND		0.206	0.193		ug/L		93	67 - 136
gamma-BHC (Lindane) (1C)	ND		0.103	0.0900		ug/L		87	61 - 139
Heptachlor (1C)	ND		0.103	0.0821		ug/L		80	35 - 136
Heptachlor epoxide (1C)	ND		0.103	0.0916		ug/L		89	59 - 146
Methoxychlor (1C)	ND		1.03	1.03		ug/L		99	66 - 148
p,p'-DDD (1C)	ND		0.206	0.183		ug/L		89	42 - 148
p,p'-DDE (1C)	ND		0.206	0.168		ug/L		82	20 - 140
p,p'-DDT (1C)	ND		0.206	0.208		ug/L		101	40 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*72*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*76*		*20 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*72*		*20 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*72*		*20 - 129*

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

Lab Sample ID: 410-154654-1 MSD
Matrix: Water
Analysis Batch: 456082

Client Sample ID: MW-3-UF-20231212 MS/MSD
Prep Type: Total/NA
Prep Batch: 455243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (1C)	ND		0.102	0.0725		ug/L		71	10 - 148	4	30
alpha-BHC (1C)	ND		0.102	0.0927		ug/L		91	47 - 132	3	30
beta-BHC (1C)	ND		0.102	0.107		ug/L		105	65 - 139	6	30
delta-BHC (1C)	ND		0.102	0.0919		ug/L		90	56 - 141	4	30
Dieldrin (1C)	ND		0.203	0.190		ug/L		94	58 - 145	3	30
Endosulfan I (1C)	ND		0.102	0.0953		ug/L		94	63 - 138	3	30
Endosulfan II (1C)	ND		0.203	0.194		ug/L		96	61 - 138	7	30
Endosulfan sulfate (1C)	ND		0.203	0.192		ug/L		95	63 - 129	4	30
Endrin (1C)	ND		0.203	0.190		ug/L		93	63 - 131	4	30
Endrin aldehyde (1C)	ND		0.203	0.173		ug/L		85	57 - 135	4	20
Endrin ketone (1C)	ND		0.203	0.203		ug/L		100	67 - 136	5	30
gamma-BHC (Lindane) (1C)	ND		0.102	0.0943		ug/L		93	61 - 139	5	30
Heptachlor (1C)	ND		0.102	0.0841		ug/L		83	35 - 136	2	30
Heptachlor epoxide (1C)	ND		0.102	0.0962		ug/L		95	59 - 146	5	30
Methoxychlor (1C)	ND		1.02	1.08		ug/L		107	66 - 148	6	30
p,p'-DDD (1C)	ND		0.203	0.194		ug/L		96	42 - 148	6	30
p,p'-DDE (1C)	ND		0.203	0.170		ug/L		84	20 - 140	1	30
p,p'-DDT (1C)	ND		0.203	0.210		ug/L		104	40 - 145	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*76*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*79*		*20 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*77*		*20 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*77*		*20 - 129*

Lab Sample ID: 410-154654-2 MS
Matrix: Water
Analysis Batch: 456082

Client Sample ID: MW-3-F-20231212 MS/MSD
Prep Type: Total/NA
Prep Batch: 455243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aldrin (1C)	ND		0.101	0.0628		ug/L		62	10 - 148
alpha-BHC (1C)	ND		0.101	0.0789		ug/L		78	47 - 132
beta-BHC (1C)	ND		0.101	0.0981		ug/L		98	65 - 139
delta-BHC (1C)	ND		0.101	0.0828		ug/L		82	56 - 141
Dieldrin (1C)	ND		0.201	0.170		ug/L		85	58 - 145
Endosulfan I (1C)	ND		0.101	0.0848		ug/L		84	63 - 138
Endosulfan II (1C)	ND		0.201	0.170		ug/L		84	61 - 138
Endosulfan sulfate (1C)	ND		0.201	0.173		ug/L		86	63 - 129
Endrin (1C)	ND		0.201	0.171		ug/L		85	63 - 131
Endrin aldehyde (1C)	ND		0.201	0.157		ug/L		78	57 - 135
Endrin ketone (1C)	ND		0.201	0.181		ug/L		90	67 - 136
gamma-BHC (Lindane) (1C)	ND		0.101	0.0857		ug/L		85	61 - 139
Heptachlor (1C)	ND		0.101	0.0751		ug/L		75	35 - 136
Heptachlor epoxide (1C)	ND		0.101	0.0825		ug/L		82	59 - 146
Methoxychlor (1C)	ND		1.01	0.970		ug/L		96	66 - 148

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

Lab Sample ID: 410-154654-2 MS
Client Sample ID: MW-3-F-20231212 MS/MSD
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 456082
Prep Batch: 455243

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
p,p'-DDD (1C)	ND		0.201	0.172		ug/L		85	42 - 148
p,p'-DDE (1C)	ND		0.201	0.158		ug/L		78	20 - 140
p,p'-DDT (1C)	ND		0.201	0.188		ug/L		93	40 - 145

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*70*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*75*		*20 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*69*		*20 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*70*		*20 - 129*

Lab Sample ID: 410-154654-2 MSD
Client Sample ID: MW-3-F-20231212 MS/MSD
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 456082
Prep Batch: 455243

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aldrin (1C)	ND		0.104	0.0620		ug/L		60	10 - 148	1	30
alpha-BHC (1C)	ND		0.104	0.0838		ug/L		81	47 - 132	6	30
beta-BHC (1C)	ND		0.104	0.102		ug/L		99	65 - 139	4	30
delta-BHC (1C)	ND		0.104	0.0870		ug/L		84	56 - 141	5	30
Dieldrin (1C)	ND		0.207	0.174		ug/L		84	58 - 145	2	30
Endosulfan I (1C)	ND		0.104	0.0891		ug/L		86	63 - 138	5	30
Endosulfan II (1C)	ND		0.207	0.177		ug/L		85	61 - 138	4	30
Endosulfan sulfate (1C)	ND		0.207	0.179		ug/L		86	63 - 129	4	30
Endrin (1C)	ND		0.207	0.179		ug/L		87	63 - 131	5	30
Endrin aldehyde (1C)	ND		0.207	0.162		ug/L		78	57 - 135	3	20
Endrin ketone (1C)	ND		0.207	0.187		ug/L		90	67 - 136	3	30
gamma-BHC (Lindane) (1C)	ND		0.104	0.0899		ug/L		87	61 - 139	5	30
Heptachlor (1C)	ND		0.104	0.0763		ug/L		74	35 - 136	2	30
Heptachlor epoxide (1C)	ND		0.104	0.0870		ug/L		84	59 - 146	5	30
Methoxychlor (1C)	ND		1.04	1.04		ug/L		100	66 - 148	7	30
p,p'-DDD (1C)	ND		0.207	0.179		ug/L		87	42 - 148	4	30
p,p'-DDE (1C)	ND		0.207	0.163		ug/L		79	20 - 140	4	30
p,p'-DDT (1C)	ND		0.207	0.197		ug/L		95	40 - 145	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl (Surr) (1C)	*71*		*20 - 149*
DCB Decachlorobiphenyl (Surr) (2C)	*75*		*20 - 149*
Tetrachloro-m-xylene (Surr) (1C)	*70*		*20 - 129*
Tetrachloro-m-xylene (Surr) (2C)	*69*		*20 - 129*

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
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
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

Prep Batch: 455243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154654-1	MW-3-UF-20231212	Total/NA	Water	3510C	
410-154654-2	MW-3-F-20231212	Total/NA	Water	3510C	
410-154654-3	MW-5-UF-20231212	Total/NA	Water	3510C	
410-154654-4	MW-5-F-20231212	Total/NA	Water	3510C	
410-154654-5	MW-4-UF-20231212	Total/NA	Water	3510C	
410-154654-6	MW-4-F-20231212	Total/NA	Water	3510C	
410-154654-7	MW-2D-UF-20231212	Total/NA	Water	3510C	
410-154654-8	MW-2D-F-20231212	Total/NA	Water	3510C	
410-154654-9	DUP-20231212-UF	Total/NA	Water	3510C	
410-154654-10	DUP-20231212-F	Total/NA	Water	3510C	
410-154654-11	FB-20231212-UF	Total/NA	Water	3510C	
410-154654-12	FB-20231212-F	Total/NA	Water	3510C	
MB 410-455243/1-A	Method Blank	Total/NA	Water	3510C	
LCS 410-455243/2-A	Lab Control Sample	Total/NA	Water	3510C	
410-154654-1 MS	MW-3-UF-20231212 MS/MSD	Total/NA	Water	3510C	
410-154654-1 MSD	MW-3-UF-20231212 MS/MSD	Total/NA	Water	3510C	
410-154654-2 MS	MW-3-F-20231212 MS/MSD	Total/NA	Water	3510C	
410-154654-2 MSD	MW-3-F-20231212 MS/MSD	Total/NA	Water	3510C	

Analysis Batch: 456082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154654-1	MW-3-UF-20231212	Total/NA	Water	8081B	455243
410-154654-2	MW-3-F-20231212	Total/NA	Water	8081B	455243
410-154654-3	MW-5-UF-20231212	Total/NA	Water	8081B	455243
410-154654-4	MW-5-F-20231212	Total/NA	Water	8081B	455243
410-154654-5	MW-4-UF-20231212	Total/NA	Water	8081B	455243
410-154654-6	MW-4-F-20231212	Total/NA	Water	8081B	455243
410-154654-7	MW-2D-UF-20231212	Total/NA	Water	8081B	455243
410-154654-8	MW-2D-F-20231212	Total/NA	Water	8081B	455243
410-154654-9	DUP-20231212-UF	Total/NA	Water	8081B	455243
410-154654-10	DUP-20231212-F	Total/NA	Water	8081B	455243
410-154654-11	FB-20231212-UF	Total/NA	Water	8081B	455243
410-154654-12	FB-20231212-F	Total/NA	Water	8081B	455243
MB 410-455243/1-A	Method Blank	Total/NA	Water	8081B	455243
LCS 410-455243/2-A	Lab Control Sample	Total/NA	Water	8081B	455243
410-154654-1 MS	MW-3-UF-20231212 MS/MSD	Total/NA	Water	8081B	455243
410-154654-1 MSD	MW-3-UF-20231212 MS/MSD	Total/NA	Water	8081B	455243
410-154654-2 MS	MW-3-F-20231212 MS/MSD	Total/NA	Water	8081B	455243
410-154654-2 MSD	MW-3-F-20231212 MS/MSD	Total/NA	Water	8081B	455243

Lab Chronicle

Client: Brown and Caldwell
Job ID: 410-154654-1
Project/Site: Bartlett Tree Site, NY

Client Sample ID: MW-3-UF-20231212
Lab Sample ID: 410-154654-1
Date Collected: 12/12/23 09:31
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 08:31

Client Sample ID: MW-3-F-20231212
Lab Sample ID: 410-154654-2
Date Collected: 12/12/23 09:36
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 09:14

Client Sample ID: MW-5-UF-20231212
Lab Sample ID: 410-154654-3
Date Collected: 12/12/23 10:31
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 09:28

Client Sample ID: MW-5-F-20231212
Lab Sample ID: 410-154654-4
Date Collected: 12/12/23 10:36
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 09:43

Client Sample ID: MW-4-UF-20231212
Lab Sample ID: 410-154654-5
Date Collected: 12/12/23 11:33
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 09:57

Client Sample ID: MW-4-F-20231212
Lab Sample ID: 410-154654-6
Date Collected: 12/12/23 11:38
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 10:11

Client Sample ID: MW-2D-UF-20231212
Lab Sample ID: 410-154654-7

Date Collected: 12/12/23 12:50
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 10:26

Client Sample ID: MW-2D-F-20231212
Lab Sample ID: 410-154654-8

Date Collected: 12/12/23 12:55
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 10:41

Client Sample ID: DUP-20231212-UF
Lab Sample ID: 410-154654-9

Date Collected: 12/12/23 00:00
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 10:55

Client Sample ID: DUP-20231212-F
Lab Sample ID: 410-154654-10

Date Collected: 12/12/23 00:00
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 11:10

Client Sample ID: FB-20231212-UF
Lab Sample ID: 410-154654-11

Date Collected: 12/12/23 12:02
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 11:24

Client Sample ID: FB-20231212-F
Lab Sample ID: 410-154654-12

Date Collected: 12/12/23 12:08
Matrix: Water
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3510C			455243	QKX3	ELLE	12/18/23 10:00
Total/NA	Analysis	8081B		1	456082	UAMZ	ELLE	12/20/23 11:39

Laboratory References:

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

Accreditation/Certification Summary

Client: Brown and Caldwell
Job ID: 410-154654-1
Project/Site: Bartlett Tree Site, NY

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-24

Method 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

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-20231212	410-154654-1	80	80	81	85
MW-3-F-20231212	410-154654-2	84	82	81	89
MW-5-UF-20231212	410-154654-3	77	76	28 p	57
MW-5-F-20231212	410-154654-4	47	50	18 S1-cn	20 cn
MW-4-UF-20231212	410-154654-5	64	62	42	49
MW-4-F-20231212	410-154654-6	79	76	64	71
MW-2D-UF-20231212	410-154654-7	64	61	41	62
MW-2D-F-20231212	410-154654-8	70	67	52	61
DUP-20231212-UF	410-154654-9	78	75	45	55
DUP-20231212-F	410-154654-10	66	65	60	62
FB-20231212-UF	410-154654-11	60	62	33	35
FB-20231212-F	410-154654-12	51	52	20	22
	MB 410-455243/1-A	71	71	75	77
	LCS 410-455243/2-A	69	71	78	82
MW-3-UF-20231212 MS/MSD MS	410-154654-1 MS	72	72	72	76
MW-3-F-20231212 MS/MSD MS	410-154654-2 MS	69	70	70	75
MW-3-UF-20231212 MS/MSD MSD	410-154654-1 MSD	77	77	76	79
MW-3-F-20231212 MS/MSD MSD	410-154654-2 MSD	70	69	71	75

	QC LIMITS
TCX = Tetrachloro-m-xylene (Surr)	20-129
DCB = DCB Decachlorobiphenyl (Surr)	20-149

Column to be used to flag recovery values

FORM II 8081B

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 41PEST23348005.023.D

Lab ID: LCS 410-455243/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aldrin	0.100	0.0579	58	10-148	
alpha-BHC	0.100	0.0895	90	47-132	
beta-BHC	0.100	0.0997	100	65-139	
delta-BHC	0.100	0.0890	89	56-141	
Dieldrin	0.200	0.189	94	58-145	
Endosulfan I	0.100	0.0929	93	63-138	
Endosulfan II	0.200	0.190	95	61-138	
Endosulfan sulfate	0.200	0.188	94	63-129	
Endrin	0.200	0.184	92	63-131	
Endrin aldehyde	0.200	0.169	84	57-135	
Endrin ketone	0.200	0.197	99	67-136	
gamma-BHC (Lindane)	0.100	0.0900	90	61-139	
Heptachlor	0.100	0.0705	71	35-136	
Heptachlor epoxide	0.100	0.0918	92	59-146	
Methoxychlor	1.00	1.07	107	66-148	
p,p'-DDD	0.200	0.187	93	42-148	
p,p'-DDE	0.200	0.157	79	20-140	
p,p'-DDT	0.200	0.203	102	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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 41PEST23348005.024.D

Lab ID: 410-154654-1 MS Client ID: MW-3-UF-20231212 MS/MSD MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aldrin	0.103	ND	0.0696	67	10-148	
alpha-BHC	0.103	ND	0.0895	87	47-132	
beta-BHC	0.103	ND	0.100	97	65-139	
delta-BHC	0.103	ND	0.0882	85	56-141	
Dieldrin	0.206	ND	0.185	90	58-145	
Endosulfan I	0.103	ND	0.0929	90	63-138	
Endosulfan II	0.206	ND	0.182	88	61-138	
Endosulfan sulfate	0.206	ND	0.185	90	63-129	
Endrin	0.206	ND	0.182	88	63-131	
Endrin aldehyde	0.206	ND	0.166	80	57-135	
Endrin ketone	0.206	ND	0.193	93	67-136	
gamma-BHC (Lindane)	0.103	ND	0.0900	87	61-139	
Heptachlor	0.103	ND	0.0821	80	35-136	
Heptachlor epoxide	0.103	ND	0.0916	89	59-146	
Methoxychlor	1.03	ND	1.03	99	66-148	
p,p'-DDD	0.206	ND	0.183	89	42-148	
p,p'-DDE	0.206	ND	0.168	82	20-140	
p,p'-DDT	0.206	ND	0.208	101	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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 41PEST23348005.027.D

Lab ID: 410-154654-2 MS Client ID: MW-3-F-20231212 MS/MSD MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aldrin	0.101	ND	0.0628	62	10-148	
alpha-BHC	0.101	ND	0.0789	78	47-132	
beta-BHC	0.101	ND	0.0981	98	65-139	
delta-BHC	0.101	ND	0.0828	82	56-141	
Dieldrin	0.201	ND	0.170	85	58-145	
Endosulfan I	0.101	ND	0.0848	84	63-138	
Endosulfan II	0.201	ND	0.170	84	61-138	
Endosulfan sulfate	0.201	ND	0.173	86	63-129	
Endrin	0.201	ND	0.171	85	63-131	
Endrin aldehyde	0.201	ND	0.157	78	57-135	
Endrin ketone	0.201	ND	0.181	90	67-136	
gamma-BHC (Lindane)	0.101	ND	0.0857	85	61-139	
Heptachlor	0.101	ND	0.0751	75	35-136	
Heptachlor epoxide	0.101	ND	0.0825	82	59-146	
Methoxychlor	1.01	ND	0.970	96	66-148	
p,p'-DDD	0.201	ND	0.172	85	42-148	
p,p'-DDE	0.201	ND	0.158	78	20-140	
p,p'-DDT	0.201	ND	0.188	93	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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 41PEST23348005.025.D

Lab ID: 410-154654-1 MSD Client ID: MW-3-UF-20231212 MS/MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.102	0.0725	71	4	30	10-148	
alpha-BHC	0.102	0.0927	91	3	30	47-132	
beta-BHC	0.102	0.107	105	6	30	65-139	
delta-BHC	0.102	0.0919	90	4	30	56-141	
Dieldrin	0.203	0.190	94	3	30	58-145	
Endosulfan I	0.102	0.0953	94	3	30	63-138	
Endosulfan II	0.203	0.194	96	7	30	61-138	
Endosulfan sulfate	0.203	0.192	95	4	30	63-129	
Endrin	0.203	0.190	93	4	30	63-131	
Endrin aldehyde	0.203	0.173	85	4	20	57-135	
Endrin ketone	0.203	0.203	100	5	30	67-136	
gamma-BHC (Lindane)	0.102	0.0943	93	5	30	61-139	
Heptachlor	0.102	0.0841	83	2	30	35-136	
Heptachlor epoxide	0.102	0.0962	95	5	30	59-146	
Methoxychlor	1.02	1.08	107	6	30	66-148	
p,p'-DDD	0.203	0.194	96	6	30	42-148	
p,p'-DDE	0.203	0.170	84	1	30	20-140	
p,p'-DDT	0.203	0.210	104	1	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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 41PEST23348005.028.D

Lab ID: 410-154654-2 MSD Client ID: MW-3-F-20231212 MS/MSD MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aldrin	0.104	0.0620	60	1	30	10-148	
alpha-BHC	0.104	0.0838	81	6	30	47-132	
beta-BHC	0.104	0.102	99	4	30	65-139	
delta-BHC	0.104	0.0870	84	5	30	56-141	
Dieldrin	0.207	0.174	84	2	30	58-145	
Endosulfan I	0.104	0.0891	86	5	30	63-138	
Endosulfan II	0.207	0.177	85	4	30	61-138	
Endosulfan sulfate	0.207	0.179	86	4	30	63-129	
Endrin	0.207	0.179	87	5	30	63-131	
Endrin aldehyde	0.207	0.162	78	3	20	57-135	
Endrin ketone	0.207	0.187	90	3	30	67-136	
gamma-BHC (Lindane)	0.104	0.0899	87	5	30	61-139	
Heptachlor	0.104	0.0763	74	2	30	35-136	
Heptachlor epoxide	0.104	0.0870	84	5	30	59-146	
Methoxychlor	1.04	1.04	100	7	30	66-148	
p,p'-DDD	0.207	0.179	87	4	30	42-148	
p,p'-DDE	0.207	0.163	79	4	30	20-140	
p,p'-DDT	0.207	0.197	95	5	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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: MB 410-455243/1-A

Matrix: Water Date Extracted: 12/18/2023 10:00

Lab File ID:(1) 41PEST23348005.022.D Lab File ID:(2) 41PEST23348005.022.D

Date Analyzed:(1) 12/20/2023 07:33 Date Analyzed:(2) 12/20/2023 07:33

Instrument ID:(1) 9147 Instrument ID:(2) 9147

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 410-455243/2-A	12/20/2023 07:47	12/20/2023 07:47
MW-3-UF-20231212 MS/MSD MS	410-154654-1 MS	12/20/2023 08:02	12/20/2023 08:02
MW-3-UF-20231212 MS/MSD MSD	410-154654-1 MSD	12/20/2023 08:16	12/20/2023 08:16
MW-3-UF-20231212	410-154654-1	12/20/2023 08:31	12/20/2023 08:31
MW-3-F-20231212 MS/MSD MS	410-154654-2 MS	12/20/2023 08:45	12/20/2023 08:45
MW-3-F-20231212 MS/MSD MSD	410-154654-2 MSD	12/20/2023 09:00	12/20/2023 09:00
MW-3-F-20231212	410-154654-2	12/20/2023 09:14	12/20/2023 09:14
MW-5-UF-20231212	410-154654-3	12/20/2023 09:28	12/20/2023 09:28
MW-5-F-20231212	410-154654-4	12/20/2023 09:43	12/20/2023 09:43
MW-4-UF-20231212	410-154654-5	12/20/2023 09:57	12/20/2023 09:57
MW-4-F-20231212	410-154654-6	12/20/2023 10:11	12/20/2023 10:11
MW-2D-UF-20231212	410-154654-7	12/20/2023 10:26	12/20/2023 10:26
MW-2D-F-20231212	410-154654-8	12/20/2023 10:41	12/20/2023 10:41
DUP-20231212-UF	410-154654-9	12/20/2023 10:55	12/20/2023 10:55
DUP-20231212-F	410-154654-10	12/20/2023 11:10	12/20/2023 11:10
FB-20231212-UF	410-154654-11	12/20/2023 11:24	12/20/2023 11:24
FB-20231212-F	410-154654-12	12/20/2023 11:39	12/20/2023 11:39

FORM VIII
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Sample No.: ICRT 410-455561/10 Date Analyzed: 12/19/2023 06:01

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm)

Lab File ID (Standard): 41PEST23348004.010.D Heated Purge: (Y/N) N

Calibration ID: 56934

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

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				1.78	6.46	
UPPER LIMIT				1.81	6.49	
LOWER LIMIT				1.75	6.43	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-455561/10		12/19/2023 06:01	41PEST2334800 4.010.D	1.78	6.46	
ICV 410-455561/13		12/19/2023 06:45	41PEST2334800 4.013.D	1.78	6.45	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Sample No.: ICRT 410-455561/10 Date Analyzed: 12/19/2023 06:01

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm)

Lab File ID (Standard): 41PEST23348004.010.D Heated Purge: (Y/N) N

Calibration ID: 56935

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

				TCX	DCB	
				RT #	RT #	
INITIAL CALIBRATION SURROGATE				2.34	6.95	
UPPER LIMIT				2.37	6.98	
LOWER LIMIT				2.31	6.92	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
ICRT 410-455561/10		12/19/2023 06:01	41PEST2334800 4.010.D	2.34	6.95	
ICV 410-455561/13		12/19/2023 06:45	41PEST2334800 4.013.D	2.34	6.95	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Sample No.: CCVRT 410-456082/3 Date Analyzed: 12/20/2023 01:49

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm)

Lab File ID (Standard): 41PEST23348005.003.D Heated Purge: (Y/N) N

Calibration ID: 56934

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.78	6.45	
UPPER LIMIT				1.81	6.48	
LOWER LIMIT				1.75	6.42	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-456082/3		12/20/2023 01:49	41PEST2334800 5.003.D	1.78	6.45	
PEM 410-456082/7		12/20/2023 02:47	41PEST2334800 5.007.D	1.78	6.45	
CCV 410-456082/17		12/20/2023 05:20	41PEST2334800 5.017.D	1.77	6.45	
PIBLK 410-456082/21		12/20/2023 06:18	41PEST2334800 5.021.D	1.78	6.45	
MB 410-455243/1-A		12/20/2023 07:33	41PEST2334800 5.022.D	1.78	6.45	
LCS 410-455243/2-A		12/20/2023 07:47	41PEST2334800 5.023.D	1.78	6.45	
410-154654-1 MS	MW-3-UF-20231212 MS/MSD MS	12/20/2023 08:02	41PEST2334800 5.024.D	1.78	6.45	
410-154654-1 MSD	MW-3-UF-20231212 MS/MSD MSD	12/20/2023 08:16	41PEST2334800 5.025.D	1.78	6.45	
410-154654-1	MW-3-UF-20231212	12/20/2023 08:31	41PEST2334800 5.026.D	1.78	6.45	
410-154654-2 MS	MW-3-F-20231212 MS/MSD MS	12/20/2023 08:45	41PEST2334800 5.027.D	1.78	6.45	
410-154654-2 MSD	MW-3-F-20231212 MS/MSD MSD	12/20/2023 09:00	41PEST2334800 5.028.D	1.78	6.45	
410-154654-2	MW-3-F-20231212	12/20/2023 09:14	41PEST2334800 5.029.D	1.78	6.45	
410-154654-3	MW-5-UF-20231212	12/20/2023 09:28	41PEST2334800 5.030.D	1.77	6.45	
410-154654-4	MW-5-F-20231212	12/20/2023 09:43	41PEST2334800 5.031.D	1.77	6.45	
410-154654-5	MW-4-UF-20231212	12/20/2023 09:57	41PEST2334800 5.032.D	1.77	6.45	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Sample No.: CCVRT 410-456082/3 Date Analyzed: 12/20/2023 01:49

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm)

Lab File ID (Standard): 41PEST23348005.003.D Heated Purge: (Y/N) N

Calibration ID: 56934

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				1.78	6.45	
UPPER LIMIT				1.81	6.48	
LOWER LIMIT				1.75	6.42	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
410-154654-6	MW-4-F-20231212	12/20/2023 10:11	41PEST2334800 5.033.D	1.78	6.45	
410-154654-7	MW-2D-UF-20231212	12/20/2023 10:26	41PEST2334800 5.034.D	1.77	6.45	
410-154654-8	MW-2D-F-20231212	12/20/2023 10:41	41PEST2334800 5.035.D	1.78	6.45	
410-154654-9	DUP-20231212-UF	12/20/2023 10:55	41PEST2334800 5.036.D	1.78	6.45	
410-154654-10	DUP-20231212-F	12/20/2023 11:10	41PEST2334800 5.037.D	1.78	6.45	
410-154654-11	FB-20231212-UF	12/20/2023 11:24	41PEST2334800 5.038.D	1.78	6.45	
410-154654-12	FB-20231212-F	12/20/2023 11:39	41PEST2334800 5.039.D	1.77	6.45	
CCV 410-456082/40		12/20/2023 11:53	41PEST2334800 5.040.D	1.78	6.45	
PIBLK 410-456082/43		12/20/2023 12:36	41PEST2334800 5.043.D	1.77	6.45	
PEM 410-456082/45		12/20/2023 13:06	41PEST2334800 5.045.D	1.77	6.45	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Sample No.: CCVRT 410-456082/3 Date Analyzed: 12/20/2023 01:49

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm)

Lab File ID (Standard): 41PEST23348005.003.D Heated Purge: (Y/N) N

Calibration ID: 56935

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.34	6.95	
UPPER LIMIT				2.37	6.98	
LOWER LIMIT				2.31	6.92	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 410-456082/3		12/20/2023 01:49	41PEST2334800 5.003.D	2.34	6.95	
PEM 410-456082/7		12/20/2023 02:47	41PEST2334800 5.007.D	2.34	6.95	
CCV 410-456082/17		12/20/2023 05:20	41PEST2334800 5.017.D	2.34	6.95	
PIBLK 410-456082/21		12/20/2023 06:18	41PEST2334800 5.021.D	2.34	6.94	
MB 410-455243/1-A		12/20/2023 07:33	41PEST2334800 5.022.D	2.34	6.95	
LCS 410-455243/2-A		12/20/2023 07:47	41PEST2334800 5.023.D	2.34	6.94	
410-154654-1 MS	MW-3-UF-20231212 MS/MSD MS	12/20/2023 08:02	41PEST2334800 5.024.D	2.34	6.94	
410-154654-1 MSD	MW-3-UF-20231212 MS/MSD MSD	12/20/2023 08:16	41PEST2334800 5.025.D	2.34	6.94	
410-154654-1	MW-3-UF-20231212	12/20/2023 08:31	41PEST2334800 5.026.D	2.34	6.94	
410-154654-2 MS	MW-3-F-20231212 MS/MSD MS	12/20/2023 08:45	41PEST2334800 5.027.D	2.34	6.94	
410-154654-2 MSD	MW-3-F-20231212 MS/MSD MSD	12/20/2023 09:00	41PEST2334800 5.028.D	2.34	6.94	
410-154654-2	MW-3-F-20231212	12/20/2023 09:14	41PEST2334800 5.029.D	2.33	6.94	
410-154654-3	MW-5-UF-20231212	12/20/2023 09:28	41PEST2334800 5.030.D	2.34	6.91 *	
410-154654-4	MW-5-F-20231212	12/20/2023 09:43	41PEST2334800 5.031.D	2.33	6.94	
410-154654-5	MW-4-UF-20231212	12/20/2023 09:57	41PEST2334800 5.032.D	2.33	6.94	

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
PESTICIDES ANALYTICAL SEQUENCE

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Sample No.: CCVRT 410-456082/3 Date Analyzed: 12/20/2023 01:49

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm)

Lab File ID (Standard): 41PEST23348005.003.D Heated Purge: (Y/N) N

Calibration ID: 56935

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

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				2.34	6.95	
UPPER LIMIT				2.37	6.98	
LOWER LIMIT				2.31	6.92	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
410-154654-6	MW-4-F-20231212	12/20/2023 10:11	41PEST2334800 5.033.D	2.34	6.94	
410-154654-7	MW-2D-UF-20231212	12/20/2023 10:26	41PEST2334800 5.034.D	2.33	6.93	
410-154654-8	MW-2D-F-20231212	12/20/2023 10:41	41PEST2334800 5.035.D	2.34	6.94	
410-154654-9	DUP-20231212-UF	12/20/2023 10:55	41PEST2334800 5.036.D	2.34	6.94	
410-154654-10	DUP-20231212-F	12/20/2023 11:10	41PEST2334800 5.037.D	2.34	6.95	
410-154654-11	FB-20231212-UF	12/20/2023 11:24	41PEST2334800 5.038.D	2.34	6.94	
410-154654-12	FB-20231212-F	12/20/2023 11:39	41PEST2334800 5.039.D	2.34	6.94	
CCV 410-456082/40		12/20/2023 11:53	41PEST2334800 5.040.D	2.34	6.94	
PIBLK 410-456082/43		12/20/2023 12:36	41PEST2334800 5.043.D	2.34	6.94	
PEM 410-456082/45		12/20/2023 13:06	41PEST2334800 5.045.D	2.33	6.94	

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 X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-UF-20231212 Lab Sample ID: 410-154654-1

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 08:31 Date Analyzed (2): 12/20/2023 08:31

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		4.19	4.17	4.23	0.0088		10.5
	2		4.68	4.65	4.71	0.0097		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-UF-20231212 MS/MSD MS Lab Sample ID: 410-154654-1 MS

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 08:02 Date Analyzed (2): 12/20/2023 08:02

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	
alpha-BHC	1		2.36	2.33	2.39	0.0895		3.9
	2		2.75	2.72	2.78	0.0861		
gamma-BHC (Lindane)	1		2.73	2.70	2.76	0.0900		3.5
	2		3.09	3.06	3.12	0.0869		
beta-BHC	1		2.98	2.95	3.01	0.100		3.5
	2		3.38	3.35	3.41	0.104		
Heptachlor	1		3.09	3.06	3.12	0.0821		1.8
	2		3.69	3.66	3.72	0.0807		
delta-BHC	1		3.27	3.24	3.30	0.0882		3.8
	2		3.63	3.60	3.66	0.0849		
Aldrin	1		3.40	3.37	3.43	0.0696		0.2
	2		3.99	3.96	4.02	0.0694		
Heptachlor epoxide	1		3.91	3.88	3.94	0.0916		2.5
	2		4.38	4.35	4.41	0.0893		
gamma-Chlordane	1		4.11	4.08	4.14	0.0871		10.3
	2		4.64	4.61	4.67	0.0966		
alpha-Chlordane	1		4.20	4.17	4.23	0.0966		3.1
	2		4.68	4.65	4.71	0.0937		
Endosulfan I	1		4.24	4.21	4.27	0.0929		3.9
	2		4.71	4.68	4.74	0.0894		
p,p'-DDE	1		4.37	4.34	4.40	0.168		1.7
	2		4.81	4.78	4.84	0.165		
Dieldrin	1		4.48	4.45	4.51	0.185		7.6
	2		4.92	4.89	4.95	0.172		
Endrin	1		4.73	4.70	4.76	0.182		8.9
	2		5.09	5.06	5.12	0.167		
p,p'-DDD	1		4.84	4.81	4.87	0.183		5.4
	2		5.21	5.18	5.24	0.174		
Endosulfan II	1		4.94	4.91	4.97	0.182		1.0
	2		5.30	5.27	5.33	0.180		
p,p'-DDT	1		5.05	5.01	5.07	0.208		8.4
	2		5.44	5.41	5.47	0.191		
Endrin aldehyde	1		5.12	5.09	5.15	0.166		2.1
	2		5.38	5.35	5.41	0.169		
Endosulfan sulfate	1		5.27	5.24	5.30	0.185		1.3
	2		5.59	5.56	5.62	0.188		
Methoxychlor	1		5.54	5.51	5.57	1.03		10.2
	2		5.76	5.73	5.79	0.926		
Endrin ketone	1		5.70	5.67	5.73	0.193		0.6
	2		5.90	5.87	5.93	0.194		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-UF-20231212 MS/MSD MSD Lab Sample ID: 410-154654-1 MSD

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 08:16 Date Analyzed (2): 12/20/2023 08:16

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		2.37	2.33	2.39	0.0927		5.6
	2		2.75	2.72	2.78	0.0876		
gamma-BHC (Lindane)	1		2.73	2.70	2.76	0.0943		4.6
	2		3.09	3.06	3.12	0.0900		
beta-BHC	1		2.98	2.95	3.01	0.107		0.1
	2		3.37	3.35	3.41	0.107		
Heptachlor	1		3.09	3.06	3.12	0.0841		5.0
	2		3.68	3.66	3.72	0.0801		
delta-BHC	1		3.27	3.24	3.30	0.0919		4.2
	2		3.63	3.60	3.66	0.0881		
Aldrin	1		3.40	3.37	3.43	0.0725		5.8
	2		3.99	3.96	4.02	0.0684		
Heptachlor epoxide	1		3.91	3.88	3.94	0.0962		4.3
	2		4.37	4.35	4.41	0.0922		
gamma-Chlordane	1		4.12	4.08	4.14	0.0902		9.2
	2		4.64	4.61	4.67	0.0989		
alpha-Chlordane	1		4.20	4.17	4.23	0.0973		2.2
	2		4.68	4.65	4.71	0.0952		
Endosulfan I	1		4.24	4.21	4.27	0.0953		5.5
	2		4.71	4.68	4.74	0.0902		
p,p'-DDE	1		4.38	4.34	4.40	0.170		1.5
	2		4.80	4.78	4.84	0.167		
Dieldrin	1		4.48	4.45	4.51	0.190		10.1
	2		4.91	4.89	4.95	0.172		
Endrin	1		4.73	4.70	4.76	0.190		10.1
	2		5.09	5.06	5.12	0.171		
p,p'-DDD	1		4.84	4.81	4.87	0.194		7.0
	2		5.20	5.18	5.24	0.181		
Endosulfan II	1		4.94	4.91	4.97	0.194		5.3
	2		5.29	5.27	5.33	0.184		
p,p'-DDT	1		5.05	5.01	5.07	0.210		5.8
	2		5.43	5.41	5.47	0.198		
Endrin aldehyde	1		5.12	5.09	5.15	0.173		1.3
	2		5.38	5.35	5.41	0.175		
Endosulfan sulfate	1		5.27	5.24	5.30	0.192		0.7
	2		5.59	5.56	5.62	0.194		
Methoxychlor	1		5.54	5.51	5.57	1.08		11.0
	2		5.76	5.73	5.79	0.972		
Endrin ketone	1		5.70	5.67	5.73	0.203		0.0
	2		5.89	5.87	5.93	0.203		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-F-20231212 MS/MSD MS Lab Sample ID: 410-154654-2 MS

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 08:45 Date Analyzed (2): 12/20/2023 08:45

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		2.36	2.33	2.39	0.0789		0.4
	2		2.75	2.72	2.78	0.0786		
gamma-BHC (Lindane)	1		2.73	2.70	2.76	0.0857		5.9
	2		3.09	3.06	3.12	0.0807		
beta-BHC	1		2.98	2.95	3.01	0.0981		4.5
	2		3.37	3.35	3.41	0.0937		
Heptachlor	1		3.09	3.06	3.12	0.0751		7.0
	2		3.69	3.66	3.72	0.0700		
delta-BHC	1		3.27	3.24	3.30	0.0828		3.7
	2		3.63	3.60	3.66	0.0798		
Aldrin	1		3.40	3.37	3.43	0.0628		3.8
	2		3.99	3.96	4.02	0.0605		
Heptachlor epoxide	1		3.91	3.88	3.94	0.0825		1.2
	2		4.37	4.35	4.41	0.0815		
gamma-Chlordane	1		4.11	4.08	4.14	0.0781		2.0
	2		4.64	4.61	4.67	0.0766		
alpha-Chlordane	1		4.19	4.17	4.23	0.0802		2.0
	2		4.68	4.65	4.71	0.0786		
Endosulfan I	1		4.24	4.21	4.27	0.0848		6.0
	2		4.71	4.68	4.74	0.0799		
p,p'-DDE	1		4.37	4.34	4.40	0.158		4.9
	2		4.81	4.78	4.84	0.150		
Dieldrin	1		4.48	4.45	4.51	0.170		8.8
	2		4.91	4.89	4.95	0.156		
Endrin	1		4.73	4.70	4.76	0.171		11.3
	2		5.09	5.06	5.12	0.153		
p,p'-DDD	1		4.83	4.81	4.87	0.172		8.9
	2		5.21	5.18	5.24	0.157		
Endosulfan II	1		4.94	4.91	4.97	0.170		1.9
	2		5.30	5.27	5.33	0.167		
p,p'-DDT	1		5.04	5.01	5.07	0.188		7.3
	2		5.44	5.41	5.47	0.175		
Endrin aldehyde	1		5.11	5.09	5.15	0.157		1.3
	2		5.38	5.35	5.41	0.159		
Endosulfan sulfate	1		5.26	5.24	5.30	0.173		1.7
	2		5.59	5.56	5.62	0.176		
Methoxychlor	1		5.54	5.51	5.57	0.970		9.0
	2		5.76	5.73	5.79	0.886		
Endrin ketone	1		5.70	5.67	5.73	0.181		1.9
	2		5.89	5.87	5.93	0.185		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-F-20231212 MS/MSD MSD Lab Sample ID: 410-154654-2 MSD

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 09:00 Date Analyzed (2): 12/20/2023 09:00

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		2.36	2.33	2.39	0.0838		2.0
	2		2.75	2.72	2.78	0.0822		
gamma-BHC (Lindane)	1		2.73	2.70	2.76	0.0899		6.0
	2		3.09	3.06	3.12	0.0847		
beta-BHC	1		2.98	2.95	3.01	0.102		3.5
	2		3.37	3.35	3.41	0.0990		
Heptachlor	1		3.09	3.06	3.12	0.0763		4.5
	2		3.68	3.66	3.72	0.0729		
delta-BHC	1		3.27	3.24	3.30	0.0870		4.0
	2		3.63	3.60	3.66	0.0836		
Aldrin	1		3.40	3.37	3.43	0.0620		0.0
	2		3.98	3.96	4.02	0.0620		
Heptachlor epoxide	1		3.91	3.88	3.94	0.0870		4.1
	2		4.37	4.35	4.41	0.0835		
gamma-Chlordane	1		4.11	4.08	4.14	0.0807		1.8
	2		4.64	4.61	4.67	0.0793		
alpha-Chlordane	1		4.20	4.17	4.23	0.0830		1.2
	2		4.68	4.65	4.71	0.0820		
Endosulfan I	1		4.24	4.21	4.27	0.0891		4.8
	2		4.71	4.68	4.74	0.0849		
p,p'-DDE	1		4.37	4.34	4.40	0.163		5.7
	2		4.80	4.78	4.84	0.154		
Dieldrin	1		4.48	4.45	4.51	0.174		4.5
	2		4.91	4.89	4.95	0.166		
Endrin	1		4.73	4.70	4.76	0.179		9.0
	2		5.09	5.06	5.12	0.164		
p,p'-DDD	1		4.83	4.81	4.87	0.179		6.2
	2		5.20	5.18	5.24	0.169		
Endosulfan II	1		4.94	4.91	4.97	0.177		1.2
	2		5.30	5.27	5.33	0.174		
p,p'-DDT	1		5.04	5.01	5.07	0.197		7.3
	2		5.43	5.41	5.47	0.183		
Endrin aldehyde	1		5.12	5.09	5.15	0.162		0.8
	2		5.38	5.35	5.41	0.164		
Endosulfan sulfate	1		5.27	5.24	5.30	0.179		0.9
	2		5.59	5.56	5.62	0.181		
Methoxychlor	1		5.54	5.51	5.57	1.04		14.0
	2		5.76	5.73	5.79	0.901		
Endrin ketone	1		5.70	5.67	5.73	0.187		1.4
	2		5.89	5.87	5.93	0.190		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-5-UF-20231212 Lab Sample ID: 410-154654-3

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 09:28 Date Analyzed (2): 12/20/2023 09:28

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	
Heptachlor epoxide	1		3.92	3.88	3.94	0.0031		23.7
	2		4.39	4.35	4.41	0.0039		
Dieldrin	1		4.48	4.45	4.51	0.0062		46.1
	2		4.91	4.89	4.95	0.010		
p,p'-DDT	1		5.04	5.01	5.07	0.021		2.7
	2		5.44	5.41	5.47	0.021		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-5-F-20231212 Lab Sample ID: 410-154654-4

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 09:43 Date Analyzed (2): 12/20/2023 09:43

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'-DDT	1		5.04	5.01	5.07	0.0084		44.4
	2		5.44	5.41	5.47	0.013		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-4-UF-20231212 Lab Sample ID: 410-154654-5

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 09:57 Date Analyzed (2): 12/20/2023 09:57

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		4.19	4.17	4.23	0.0051		50.0
	2		4.68	4.65	4.71	0.0085		
Dieldrin	1		4.48	4.45	4.51	0.095		4.9
	2		4.91	4.89	4.95	0.091		
p,p'-DDD	1		4.85	4.81	4.87	0.025		132.9
	2		5.20	5.18	5.24	0.0050		
p,p'-DDT	1		5.04	5.01	5.07	0.020		17.3
	2		5.44	5.41	5.47	0.017		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-4-F-20231212 Lab Sample ID: 410-154654-6

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 10:11 Date Analyzed (2): 12/20/2023 10:11

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	
Dieldrin	1		4.48	4.45	4.51	0.026		2.0
	2		4.91	4.89	4.95	0.027		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-2D-UF-20231212 Lab Sample ID: 410-154654-7

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 10:26 Date Analyzed (2): 12/20/2023 10:26

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	
Heptachlor epoxide	1		3.89	3.88	3.94	0.0053		25.1
	2		4.37	4.35	4.41	0.0042		
gamma-Chlordane	1		4.11	4.08	4.14	0.0095		70.2
	2		4.65	4.61	4.67	0.020		
alpha-Chlordane	1		4.19	4.17	4.23	0.0059		55.8
	2		4.68	4.65	4.71	0.010		
p,p'-DDE	1		4.37	4.34	4.40	0.082		5.2
	2		4.80	4.78	4.84	0.087		
Dieldrin	1		4.48	4.45	4.51	0.014		5.3
	2		4.91	4.89	4.95	0.013		
p,p'-DDD	1		4.83	4.81	4.87	0.24		11.5
	2		5.20	5.18	5.24	0.22		
p,p'-DDT	1		5.03	5.01	5.07	0.074		49.3
	2		5.41	5.41	5.47	0.12		
Endrin aldehyde	1		5.10	5.09	5.15	0.024		75.4
	2		5.36	5.35	5.41	0.053		
Endosulfan sulfate	1		5.28	5.24	5.30	0.016		32.8
	2		5.59	5.56	5.62	0.011		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-2D-F-20231212 Lab Sample ID: 410-154654-8

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 10:41 Date Analyzed (2): 12/20/2023 10:41

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'-DDD	1		4.83	4.81	4.87	0.011		31.4
	2		5.21	5.18	5.24	0.0079		
p,p'-DDT	1		5.03	5.01	5.07	0.052		55.4
	2		5.41	5.41	5.47	0.092		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: DUP-20231212-UF Lab Sample ID: 410-154654-9

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 10:55 Date Analyzed (2): 12/20/2023 10:55

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		2.37	2.33	2.39	0.014		5.3
	2		2.72	2.72	2.78	0.015		
Heptachlor epoxide	1		3.92	3.88	3.94	0.0024		87.8
	2		4.37	4.35	4.41	0.0060		
alpha-Chlordane	1		4.20	4.17	4.23	0.0068		28.6
	2		4.68	4.65	4.71	0.0091		
Dieldrin	1		4.48	4.45	4.51	0.10		0.7
	2		4.92	4.89	4.95	0.10		
p,p'-DDD	1		4.85	4.81	4.87	0.027		132.6
	2		5.21	5.18	5.24	0.0055		
p,p'-DDT	1		5.04	5.01	5.07	0.021		29.7
	2		5.44	5.41	5.47	0.016		
Endosulfan sulfate	1		5.25	5.24	5.30	0.0092		6.1
	2		5.58	5.56	5.62	0.0086		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: DUP-20231212-F Lab Sample ID: 410-154654-10

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 11:10 Date Analyzed (2): 12/20/2023 11:10

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		4.48	4.45	4.51	0.023		14.5
	2		4.92	4.89	4.95	0.027		
p,p'-DDT	1		5.04	5.01	5.07	0.0072		23.3
	2		5.44	5.41	5.47	0.0057		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 410-455243/2-A

Instrument ID (1): 9147 Instrument ID (2): 9147

Date Analyzed (1): 12/20/2023 07:47 Date Analyzed (2): 12/20/2023 07:47

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		2.36	2.33	2.39	0.0895		5.6
	2		2.75	2.72	2.78	0.0846		
gamma-BHC (Lindane)	1		2.73	2.70	2.76	0.0900		1.9
	2		3.09	3.06	3.12	0.0883		
beta-BHC	1		2.98	2.95	3.01	0.0997		0.2
	2		3.37	3.35	3.41	0.100		
Heptachlor	1		3.09	3.06	3.12	0.0705		0.6
	2		3.68	3.66	3.72	0.0709		
delta-BHC	1		3.27	3.24	3.30	0.0890		0.9
	2		3.62	3.60	3.66	0.0882		
Aldrin	1		3.40	3.37	3.43	0.0579		2.0
	2		3.98	3.96	4.02	0.0568		
Heptachlor epoxide	1		3.91	3.88	3.94	0.0918		3.0
	2		4.37	4.35	4.41	0.0891		
gamma-Chlordane	1		4.11	4.08	4.14	0.0789		1.1
	2		4.64	4.61	4.67	0.0797		
alpha-Chlordane	1		4.20	4.17	4.23	0.0856		0.5
	2		4.68	4.65	4.71	0.0852		
Endosulfan I	1		4.24	4.21	4.27	0.0929		0.3
	2		4.71	4.68	4.74	0.0926		
p,p'-DDE	1		4.37	4.34	4.40	0.157		2.0
	2		4.80	4.78	4.84	0.161		
Dieldrin	1		4.48	4.45	4.51	0.189		5.8
	2		4.91	4.89	4.95	0.178		
Endrin	1		4.73	4.70	4.76	0.184		6.2
	2		5.09	5.06	5.12	0.173		
p,p'-DDD	1		4.83	4.81	4.87	0.187		1.9
	2		5.20	5.18	5.24	0.183		
Endosulfan II	1		4.94	4.91	4.97	0.190		0.6
	2		5.29	5.27	5.33	0.189		
p,p'-DDT	1		5.04	5.01	5.07	0.203		2.1
	2		5.43	5.41	5.47	0.199		
Endrin aldehyde	1		5.12	5.09	5.15	0.169		2.4
	2		5.38	5.35	5.41	0.173		
Endosulfan sulfate	1		5.27	5.24	5.30	0.188		1.7
	2		5.59	5.56	5.62	0.191		
Methoxychlor	1		5.54	5.51	5.57	1.07		10.3
	2		5.76	5.73	5.79	0.966		
Endrin ketone	1		5.70	5.67	5.73	0.197		1.6
	2		5.89	5.87	5.93	0.200		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-UF-20231212
Lab Sample ID: 410-154654-1

Matrix: Water
Lab File ID: 41PEST23348005.026.D

Analysis Method: 8081B
Date Collected: 12/12/2023 09:31

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 239.2(mL)
Date Analyzed: 12/20/2023 08:31

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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	0.0088	J	0.021	0.0031
319-85-7	beta-BHC	ND		0.031	0.011
319-86-8	delta-BHC	ND		0.021	0.0036
60-57-1	Dieldrin	ND		0.031	0.0055
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
7421-93-4	Endrin aldehyde	ND		0.10	0.021
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		0.11	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
50-29-3	p,p'-DDT	ND		0.031	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	81		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	80		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.026.D
Lims ID: 410-154654-A-1-C
Client ID: MW-3-UF-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 08:31:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-1-C
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:17:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.775	1.778	-0.003	984815360	H 12.0	
2	2.335	2.340	-0.005	475231868	H 12.0	
					RPD = 0.40	
2 alpha-BHC						
1	2.367	2.363	0.004	175282	H 0.001374	
2	2.740	2.750	-0.010	818319	H 0.005625	
					RPD = 121.49	
3 Hexachlorobenzene						
1	2.290	2.270	0.020	2828985	H 0.0237	
2	2.837	2.833	0.004	331444	H 0.001728	
					RPD = 172.85	
4 gamma-BHC (Lindane)						
1	2.732	2.732	0.000	608542	H 0.004931	
2	3.078	3.088	-0.010	205540	H 0.001390	
					RPD = 112.02	
5 beta-BHC						
1	2.973	2.982	-0.009	4860721	H 0.0917	
2	3.373	3.375	-0.002	586968	H 0.0101	
					RPD = 160.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)						U
1		2.907			ND	
1		3.545				
1		4.115				
1		4.198				
1		4.965				
2		3.482				
2		4.003				
2		4.640				
2		4.678				
2		5.347				
7 delta-BHC						
1	3.257	3.268	-0.011	474660H	0.003379	
2	3.623	3.628	-0.005	975530H	0.005370	
					RPD = 45.51	
8 Heptachlor						
1	3.092	3.090	0.002	2029558H	0.0185	
2	3.688	3.688	0.000	275328H	0.001613	
					RPD = 167.86	
9 Aldrin						
1	3.390	3.400	-0.010	2605835H	0.0209	
2	4.003	3.988	0.015	18064843H	0.1048	
					RPD = 133.54	
10 Isobenzan						
1	3.485	3.510	-0.025	674941H	0.006930	
2	4.117	4.102	0.015	3142141H	0.0235	
					RPD = 108.94	
11 Heptachlor epoxide						
1	3.908	3.910	-0.002	12213381H	0.0994	
2	4.370	4.375	-0.005	15409172H	0.0994	
					RPD = 0.04	
12 2,4'-DDE						
1	4.130	4.120	0.010	10652191H	0.1199	
2	4.515	4.515	0.000	4947484H	0.0595	
					RPD = 67.35	
13 trans-Chlordane						
1	4.110	4.113	-0.003	26364238H	0.2053	
2	4.640	4.640	0.000	141668218H	1.01	
					RPD = 132.54	
14 cis-Chlordane						
1	4.193	4.197	-0.004	53518761H	0.4200	
2	4.677	4.680	-0.003	64375931H	0.4664	
					RPD = 10.48	
15 Endosulfan I						
1	4.258	4.242	0.016	26929101H	0.2277	
2	4.713	4.710	0.003	15938582H	0.1179	
					RPD = 63.56	
16 4,4'-DDE						
1	4.372	4.373	-0.001	6657644H	0.0470	
2	4.803	4.807	-0.004	7746639H	0.0653	
					RPD = 32.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
17 2,4'-DDD						
1	4.533	4.538	-0.005	4136952H	0.0499	
2	4.880	4.885	-0.005	8378937H	0.1780	
					RPD = 112.48	
18 Dieldrin						
1	4.477	4.480	-0.003	20188774H	0.1453	
2	4.912	4.915	-0.003	15254353H	0.1289	
					RPD = 12.00	
19 Endrin						
1	4.727	4.733	-0.006	3552951H	0.0281	
2	5.090	5.093	-0.003	464352H	0.005269	
					RPD = 136.92	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
20 2,4'-DDT						
1	4.757	4.762	-0.005	6130122H	0.0848	
2	5.115	5.123	-0.008	2631063H	0.0798	
					RPD = 5.97	
22 4,4'-DDD						
1	4.842	4.835	0.007	5930576H	0.0494	
2	5.210	5.208	0.002	1130485H	0.0205	
					RPD = 82.81	
23 Endosulfan II						
1	4.960	4.942	0.018	24018324H	0.1938	
2	5.278	5.298	-0.020	5904405H	0.0953	
					RPD = 68.15	
25 Endrin aldehyde						
1	5.130	5.117	0.013	138563H	0.001364	
2	5.377	5.380	-0.003	679242H	0.0146	
					RPD = 165.84	
26 4,4'-DDT						
1	5.040	5.043	-0.003	13514204H	0.1282	
2	5.432	5.437	-0.005	1033874H	0.0298	
					RPD = 124.58	
24 Kepone						
1	5.015	4.990	0.025	1475230H	0.0217	
2	5.492	5.490	0.002	462835H	0.0211	
					RPD = 2.82	
27 Endosulfan sulfate						
1	5.253	5.267	-0.014	3852354H	0.0327	
2	5.588	5.592	-0.004	1900134H	0.0386	
					RPD = 16.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
28 Methoxychlor						
1	5.543	5.543	0.000	1521966	0.0282	H
2	5.760	5.762	-0.002	988587	0.0538	H
					RPD = 62.35	
29 Endrin ketone						
1	5.713	5.702	0.011	2822691	0.0207	H
2	5.897	5.897	0.000	571672	0.009644	H
					RPD = 72.99	
30 Mirex						
1	5.783	5.793	-0.010	296410	0.003586	H
2	6.265	6.257	0.008	1132962	0.0333	H
					RPD = 161.14	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.447	6.450	-0.003	1470076894	12.1	H
2	6.940	6.945	-0.005	586045487	12.8	H
					RPD = 5.37	
S 32 Total DDTs						
1					0.2130	
2					0.1096	
					RPD = 64.06	
S 33 Endosulfan, Total						
1					0.4215	
2					0.2132	
					RPD = 65.65	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:54 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.026.D

Injection Date: 20-Dec-2023 08:31:00 Instrument ID: 9147

Lims ID: 410-154654-A-1-C Lab Sample ID: 410-154654-1

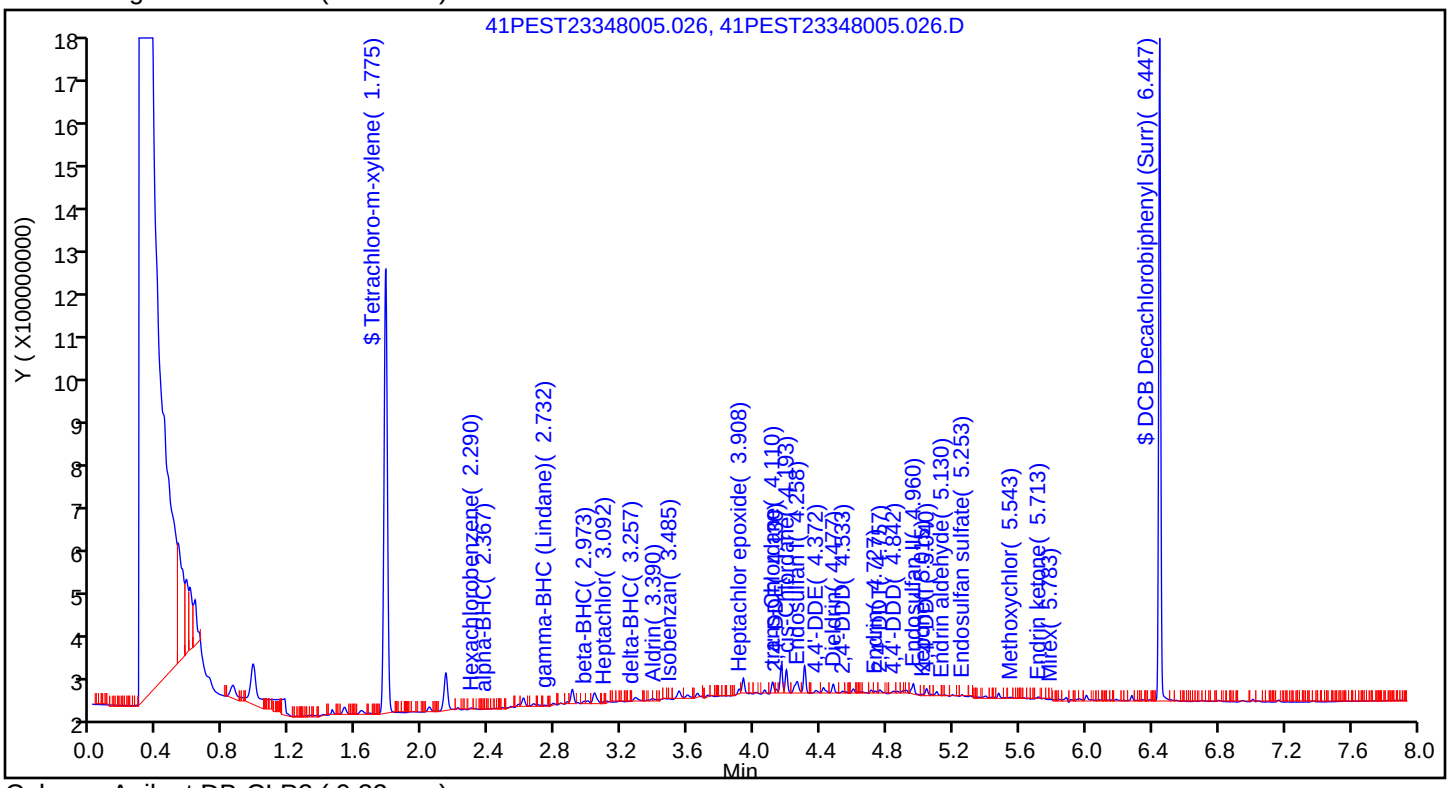
Client ID: MW-3-UF-20231212

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

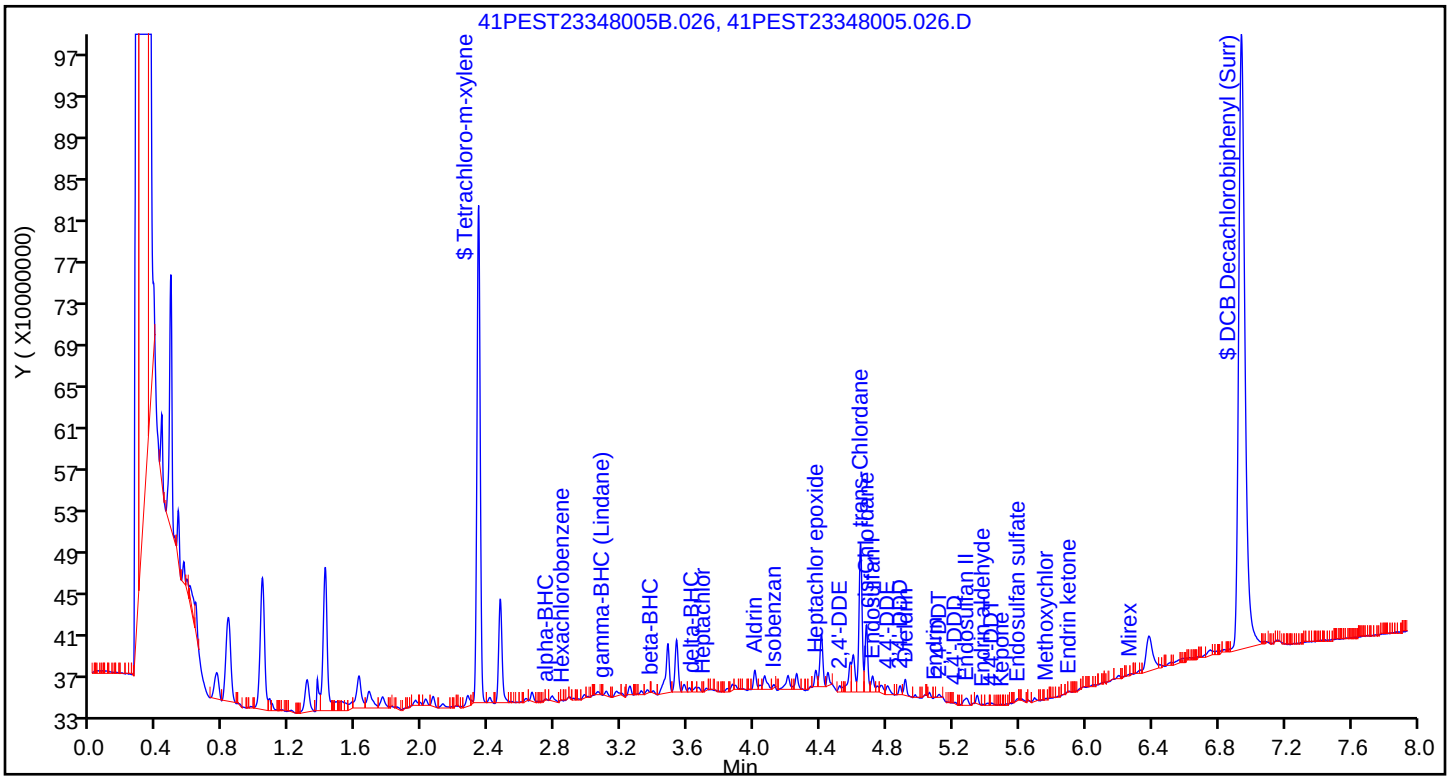
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.026.D				
Lims ID:	410-154654-A-1-C				
Client ID:	MW-3-UF-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 08:31:00	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-1-C				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:17:48		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	12.0	80.16
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	12.1	80.84

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	12.0	79.84
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	12.8	85.30

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-UF-20231212
Lab Sample ID: 410-154654-1

Matrix: Water
Lab File ID: 41PEST23348005.026.D

Analysis Method: 8081B
Date Collected: 12/12/2023 09:31

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 239.2(mL)
Date Analyzed: 12/20/2023 08:31

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
959-98-8	Endosulfan I	ND		0.021	0.0045

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	85		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	80		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.026.D
Lims ID: 410-154654-A-1-C
Client ID: MW-3-UF-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 08:31:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-1-C
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:17:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.775	1.778	-0.003	984815360	H 12.0	
2	2.335	2.340	-0.005	475231868	H 12.0	
					RPD = 0.40	
2 alpha-BHC						
1	2.367	2.363	0.004	175282	H 0.001374	
2	2.740	2.750	-0.010	818319	H 0.005625	
					RPD = 121.49	
3 Hexachlorobenzene						
1	2.290	2.270	0.020	2828985	H 0.0237	
2	2.837	2.833	0.004	331444	H 0.001728	
					RPD = 172.85	
4 gamma-BHC (Lindane)						
1	2.732	2.732	0.000	608542	H 0.004931	
2	3.078	3.088	-0.010	205540	H 0.001390	
					RPD = 112.02	
5 beta-BHC						
1	2.973	2.982	-0.009	4860721	H 0.0917	
2	3.373	3.375	-0.002	586968	H 0.0101	
					RPD = 160.29	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)						U
1		2.907			ND	
1		3.545				
1		4.115				
1		4.198				
1		4.965				
2		3.482				
2		4.003				
2		4.640				
2		4.678				
2		5.347				
7 delta-BHC						
1	3.257	3.268	-0.011	474660H	0.003379	
2	3.623	3.628	-0.005	975530H	0.005370	
					RPD = 45.51	
8 Heptachlor						
1	3.092	3.090	0.002	2029558H	0.0185	
2	3.688	3.688	0.000	275328H	0.001613	
					RPD = 167.86	
9 Aldrin						
1	3.390	3.400	-0.010	2605835H	0.0209	
2	4.003	3.988	0.015	18064843H	0.1048	
					RPD = 133.54	
10 Isobenzan						
1	3.485	3.510	-0.025	674941H	0.006930	
2	4.117	4.102	0.015	3142141H	0.0235	
					RPD = 108.94	
11 Heptachlor epoxide						
1	3.908	3.910	-0.002	12213381H	0.0994	
2	4.370	4.375	-0.005	15409172H	0.0994	
					RPD = 0.04	
12 2,4'-DDE						
1	4.130	4.120	0.010	10652191H	0.1199	
2	4.515	4.515	0.000	4947484H	0.0595	
					RPD = 67.35	
13 trans-Chlordane						
1	4.110	4.113	-0.003	26364238H	0.2053	
2	4.640	4.640	0.000	141668218H	1.01	
					RPD = 132.54	
14 cis-Chlordane						
1	4.193	4.197	-0.004	53518761H	0.4200	
2	4.677	4.680	-0.003	64375931H	0.4664	
					RPD = 10.48	
15 Endosulfan I						
1	4.258	4.242	0.016	26929101H	0.2277	
2	4.713	4.710	0.003	15938582H	0.1179	
					RPD = 63.56	
16 4,4'-DDE						
1	4.372	4.373	-0.001	6657644H	0.0470	
2	4.803	4.807	-0.004	7746639H	0.0653	
					RPD = 32.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
17 2,4'-DDD						
1	4.533	4.538	-0.005	4136952H	0.0499	
2	4.880	4.885	-0.005	8378937H	0.1780	
					RPD = 112.48	
18 Dieldrin						
1	4.477	4.480	-0.003	20188774H	0.1453	
2	4.912	4.915	-0.003	15254353H	0.1289	
					RPD = 12.00	
19 Endrin						
1	4.727	4.733	-0.006	3552951H	0.0281	
2	5.090	5.093	-0.003	464352H	0.005269	
					RPD = 136.92	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
20 2,4'-DDT						
1	4.757	4.762	-0.005	6130122H	0.0848	
2	5.115	5.123	-0.008	2631063H	0.0798	
					RPD = 5.97	
22 4,4'-DDD						
1	4.842	4.835	0.007	5930576H	0.0494	
2	5.210	5.208	0.002	1130485H	0.0205	
					RPD = 82.81	
23 Endosulfan II						
1	4.960	4.942	0.018	24018324H	0.1938	
2	5.278	5.298	-0.020	5904405H	0.0953	
					RPD = 68.15	
25 Endrin aldehyde						
1	5.130	5.117	0.013	138563H	0.001364	
2	5.377	5.380	-0.003	679242H	0.0146	
					RPD = 165.84	
26 4,4'-DDT						
1	5.040	5.043	-0.003	13514204H	0.1282	
2	5.432	5.437	-0.005	1033874H	0.0298	
					RPD = 124.58	
24 Kepone						
1	5.015	4.990	0.025	1475230H	0.0217	
2	5.492	5.490	0.002	462835H	0.0211	
					RPD = 2.82	
27 Endosulfan sulfate						
1	5.253	5.267	-0.014	3852354H	0.0327	
2	5.588	5.592	-0.004	1900134H	0.0386	
					RPD = 16.77	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
28 Methoxychlor						
1	5.543	5.543	0.000	1521966	0.0282	H
2	5.760	5.762	-0.002	988587	0.0538	H
					RPD = 62.35	
29 Endrin ketone						
1	5.713	5.702	0.011	2822691	0.0207	H
2	5.897	5.897	0.000	571672	0.009644	H
					RPD = 72.99	
30 Mirex						
1	5.783	5.793	-0.010	296410	0.003586	H
2	6.265	6.257	0.008	1132962	0.0333	H
					RPD = 161.14	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.447	6.450	-0.003	1470076894	12.1	H
2	6.940	6.945	-0.005	586045487	12.8	H
					RPD = 5.37	
S 32 Total DDTs						
1					0.2130	
2					0.1096	
					RPD = 64.06	
S 33 Endosulfan, Total						
1					0.4215	
2					0.2132	
					RPD = 65.65	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:55 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.026.D

Injection Date: 20-Dec-2023 08:31:00 Instrument ID: 9147

Lims ID: 410-154654-A-1-C Lab Sample ID: 410-154654-1

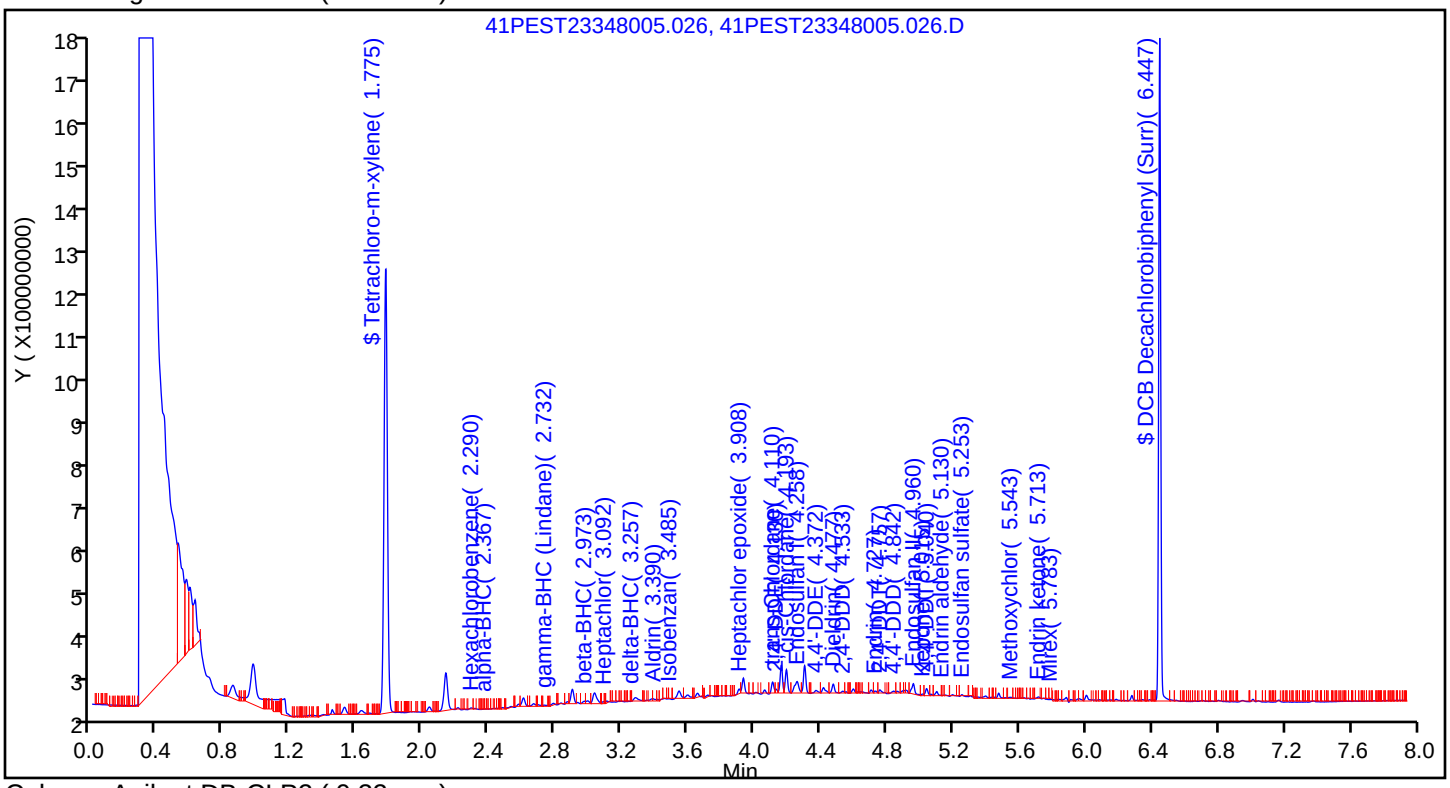
Client ID: MW-3-UF-20231212

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

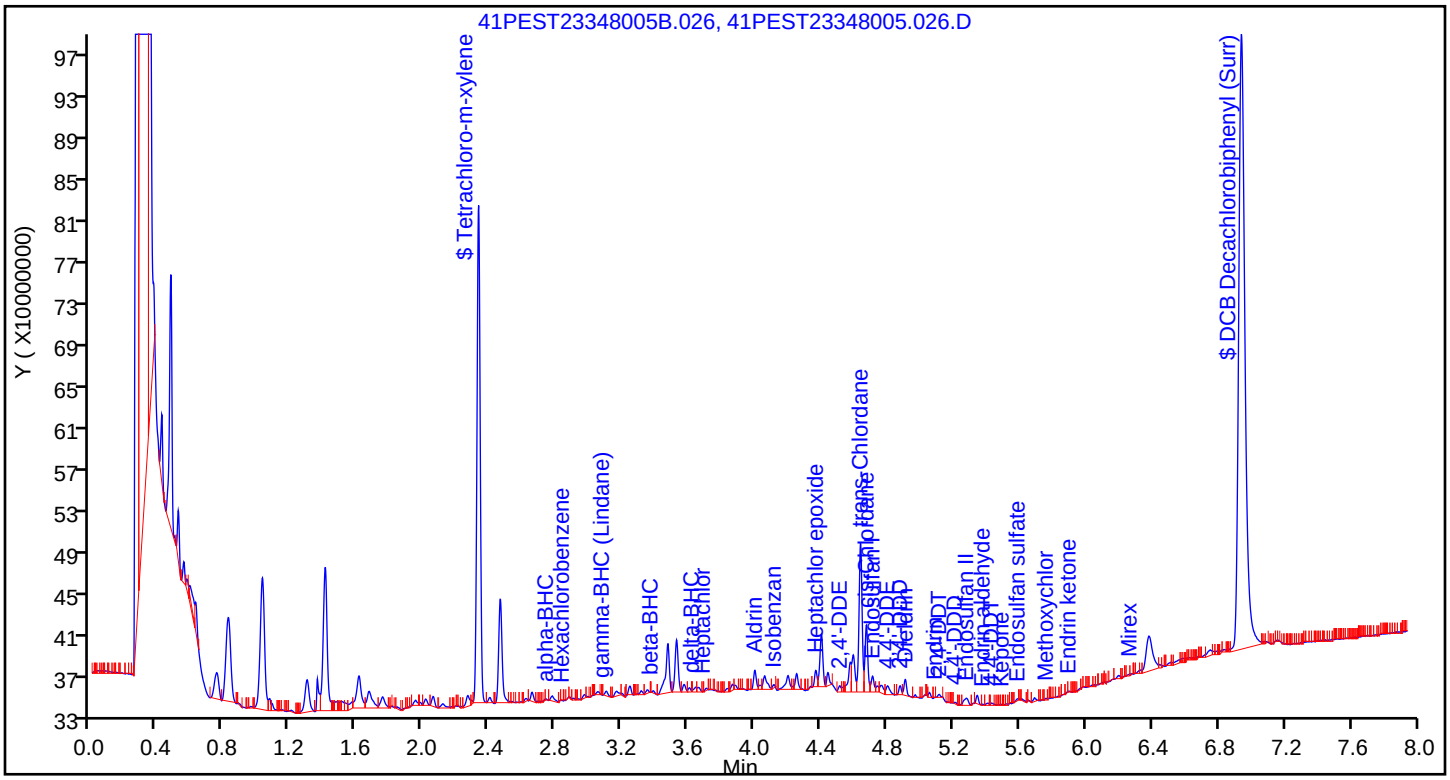
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.026.D				
Lims ID:	410-154654-A-1-C				
Client ID:	MW-3-UF-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 08:31:00	ALS Bottle#:	0	Worklist Smp#:	26
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-1-C				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:17:48		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	12.0	80.16
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	12.1	80.84

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	12.0	79.84
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	12.8	85.30

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-F-20231212
Lab Sample ID: 410-154654-2

Matrix: Water
Lab File ID: 41PEST23348005.029.D

Analysis Method: 8081B
Date Collected: 12/12/2023 09:36

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 246.7(mL)
Date Analyzed: 12/20/2023 09:14

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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
319-85-7	beta-BHC	ND		0.030	0.011
319-86-8	delta-BHC	ND		0.020	0.0034
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
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	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	ND		0.030	0.0051
72-55-9	p,p'-DDE	ND		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)	81		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	84		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.029.D
Lims ID: 410-154654-A-2-C
Client ID: MW-3-F-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 09:14:00 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-2-C
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:16:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.775	1.778	-0.003	1033020140	H 12.6	
2	2.333	2.340	-0.007	490708104	H 12.4	
					RPD = 1.98	
2 alpha-BHC						
1	2.358	2.363	-0.005	761703	H 0.005969	
2	2.738	2.750	-0.012	1738798	H 0.0120	
					RPD = 66.77	
3 Hexachlorobenzene						
1	2.262	2.270	-0.008	504154	H 0.004229	
2	2.827	2.833	-0.006	1824154	H 0.009510	
					RPD = 76.88	
4 gamma-BHC (Lindane)						
1	2.732	2.732	0.000	290926	H 0.002357	
2	3.090	3.088	0.002	2580911	H 0.0175	
					RPD = 152.42	
5 beta-BHC						
1	2.995	2.982	0.013	16481127	H 0.3109	
2	3.387	3.375	0.012	3229984	H 0.0556	
					RPD = 139.31	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)						U
1		2.907			ND	
1		3.545				
1		4.115				
1		4.198				
1		4.965				
2		3.482				
2		4.003				
2		4.640				
2		4.678				
2		5.347				
7 delta-BHC						
1	3.250	3.268	-0.018	60868H	0.000433	
2	3.625	3.628	-0.003	180729H	0.000995	
					RPD = 78.64	
8 Heptachlor						
1	3.090	3.090	0.000	1127261H	0.0103	
2	3.705	3.688	0.017	4229629H	0.0248	
					RPD = 82.93	
9 Aldrin						
1	3.405	3.400	0.005	53719H	0.000430	
2	3.992	3.988	0.004	235356H	0.001365	
					RPD = 104.12	
10 Isobenzan						
1	3.508	3.510	-0.002	412845H	0.004239	
2	4.098	4.102	-0.004	963614H	0.007211	
					RPD = 51.91	
11 Heptachlor epoxide						
1	3.912	3.910	0.002	675856H	0.005503	
2	4.367	4.375	-0.008	4379760H	0.0283	
					RPD = 134.79	
12 2,4'-DDE						
1	4.128	4.120	0.008	231757H	0.002608	
2	4.513	4.515	-0.002	2902289H	0.0349	
					RPD = 172.18	
13 trans-Chlordane						
1	4.108	4.113	-0.005	1399707H	0.0109	
2	4.642	4.640	0.002	22391705H	0.1599	
					RPD = 174.48	
14 cis-Chlordane						
1	4.198	4.197	0.001	1188772H	0.009328	
2	4.680	4.680	0.000	4738330H	0.0343	
					RPD = 114.53	
15 Endosulfan I						
1	4.240	4.242	-0.002	2261170H	0.0191	
2	4.710	4.710	0.000	4756896H	0.0352	
					RPD = 59.16	
16 4,4'-DDE						
1	4.370	4.373	-0.003	1569573H	0.0111	
2	4.808	4.807	0.001	3950152H	0.0333	
					RPD = 100.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
17 2,4'-DDD						
1	4.537	4.538	-0.001	1431322H	0.0173	
2	4.877	4.885	-0.008	1269249H	0.0270	
					RPD = 43.95	
18 Dieldrin						
1	4.475	4.480	-0.005	3999192H	0.0288	
2	4.928	4.915	0.013	634172H	0.005357	
					RPD = 137.23	
19 Endrin						
1	4.732	4.733	-0.001	2584441H	0.0205	
2	5.095	5.093	0.002	791767H	0.008984	
					RPD = 78.00	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
20 2,4'-DDT						
1	4.757	4.762	-0.005	599569H	0.008290	
2	5.118	5.123	-0.005	443196H	0.0134	
					RPD = 47.47	
22 4,4'-DDD						
1	4.842	4.835	0.007	3375928H	0.0281	
2	5.202	5.208	-0.006	268500H	0.004861	
					RPD = 141.03	
23 Endosulfan II						
1	4.948	4.942	0.006	5128857H	0.0414	
2	5.303	5.298	0.005	160417H	0.002590	
					RPD = 176.45	
25 Endrin aldehyde						
1	5.120	5.117	0.003	989602H	0.009744	
2	5.377	5.380	-0.003	309396H	0.006657	
					RPD = 37.65	
26 4,4'-DDT						
1	5.038	5.043	-0.005	6967166H	0.0661	
2	5.433	5.437	-0.004	419308H	0.0121	
					RPD = 138.18	
24 Kepone						
1	4.992	4.990	0.002	1323484H	0.0194	
2	5.495	5.490	0.005	463701H	0.0211	
					RPD = 8.21	
27 Endosulfan sulfate						
1	5.260	5.267	-0.007	1101273H	0.009337	
2	5.590	5.592	-0.002	227433H	0.004625	
					RPD = 67.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
28 Methoxychlor						
1	5.538	5.543	-0.005	1031559	0.0191	H
2	5.755	5.762	-0.007	344487	0.0188	H
					RPD = 2.03	
29 Endrin ketone						
1	5.708	5.702	0.006	3285286	0.0241	H
2	5.893	5.897	-0.004	470624	0.007939	H
					RPD = 100.96	
30 Mirex						
1	5.798	5.793	0.005	309412	0.003743	H
2	6.257	6.257	0.000	456210	0.0134	H
					RPD = 112.76	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.448	6.450	-0.002	1465631372	12.1	H
2	6.938	6.945	-0.007	609376010	13.3	H
					RPD = 9.57	
S 32 Total DDTs						
1					0.0744	
2					0.0255	
					RPD = 97.79	
S 33 Endosulfan, Total						
1					0.0605	
2					0.0378	
					RPD = 46.27	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

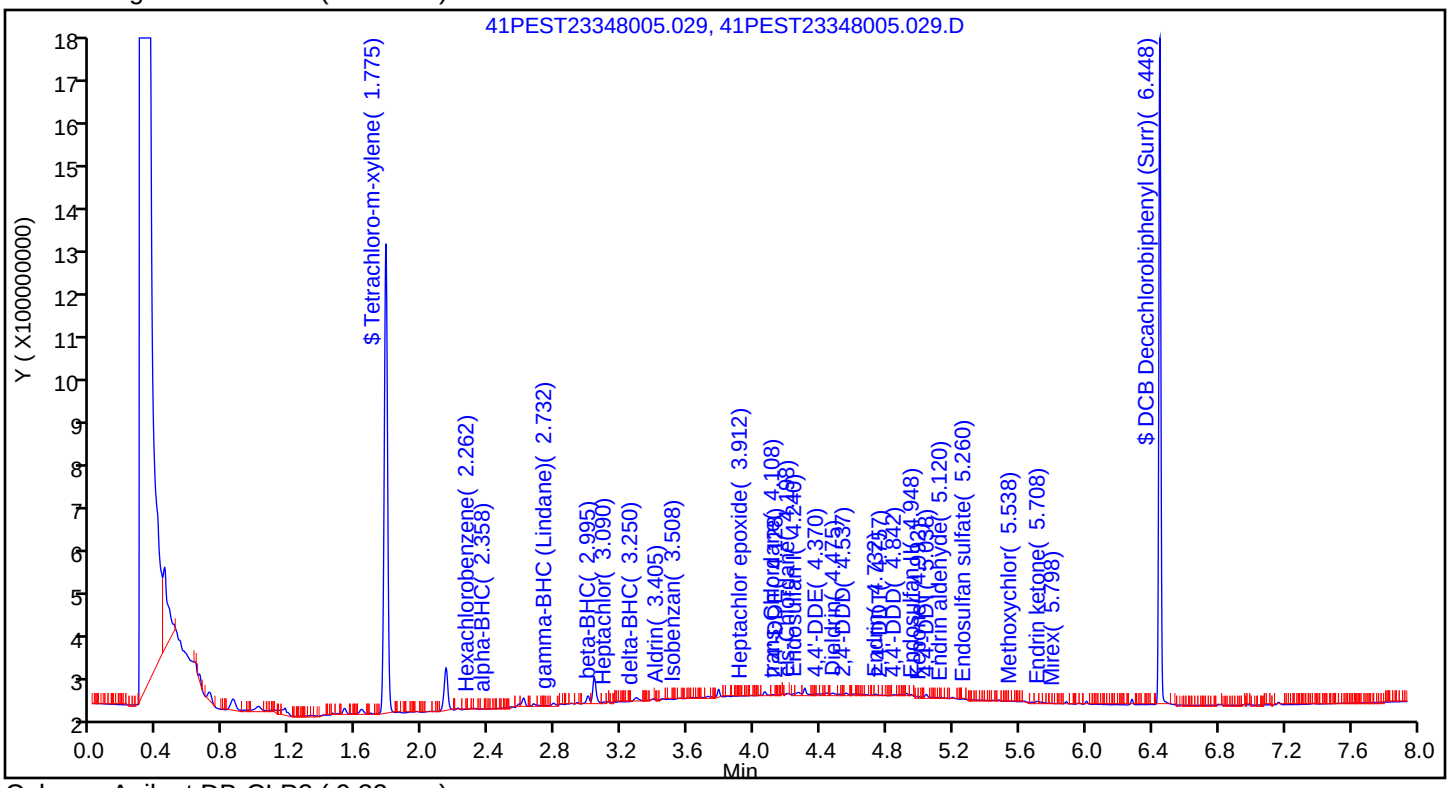
Report Date: 20-Dec-2023 12:19:01 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

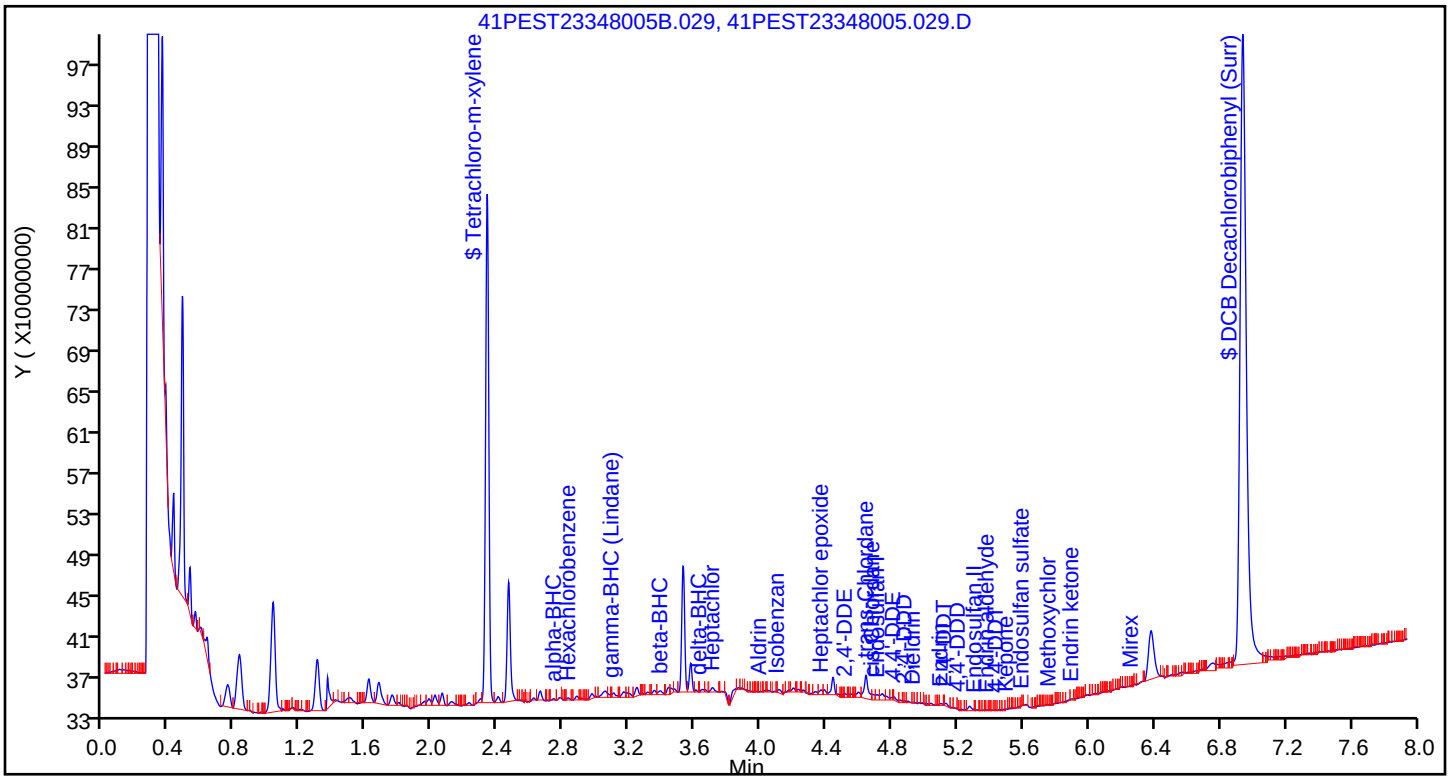
Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.029.D

Injection Date:	20-Dec-2023 09:14:00	Instrument ID:	9147		
Lims ID:	410-154654-A-2-C	Lab Sample ID:	410-154654-2		
Client ID:	MW-3-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.029.D				
Lims ID:	410-154654-A-2-C				
Client ID:	MW-3-F-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 09:14:00	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-2-C				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:16:43		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	12.6	84.08
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	12.1	80.60

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	12.4	82.43
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	13.3	88.69

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-F-20231212
Lab Sample ID: 410-154654-2

Matrix: Water
Lab File ID: 41PEST23348005.029.D

Analysis Method: 8081B
Date Collected: 12/12/2023 09:36

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 246.7(mL)
Date Analyzed: 12/20/2023 09:14

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	89		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	82		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.029.D
Lims ID: 410-154654-A-2-C
Client ID: MW-3-F-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 09:14:00 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-2-C
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:16:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.775	1.778	-0.003	1033020140	H 12.6	
2	2.333	2.340	-0.007	490708104	H 12.4	
					RPD = 1.98	
2 alpha-BHC						
1	2.358	2.363	-0.005	761703	H 0.005969	
2	2.738	2.750	-0.012	1738798	H 0.0120	
					RPD = 66.77	
3 Hexachlorobenzene						
1	2.262	2.270	-0.008	504154	H 0.004229	
2	2.827	2.833	-0.006	1824154	H 0.009510	
					RPD = 76.88	
4 gamma-BHC (Lindane)						
1	2.732	2.732	0.000	290926	H 0.002357	
2	3.090	3.088	0.002	2580911	H 0.0175	
					RPD = 152.42	
5 beta-BHC						
1	2.995	2.982	0.013	16481127	H 0.3109	
2	3.387	3.375	0.012	3229984	H 0.0556	
					RPD = 139.31	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)						U
1		2.907			ND	
1		3.545				
1		4.115				
1		4.198				
1		4.965				
2		3.482				
2		4.003				
2		4.640				
2		4.678				
2		5.347				
7 delta-BHC						
1	3.250	3.268	-0.018	60868H	0.000433	
2	3.625	3.628	-0.003	180729H	0.000995	
					RPD = 78.64	
8 Heptachlor						
1	3.090	3.090	0.000	1127261H	0.0103	
2	3.705	3.688	0.017	4229629H	0.0248	
					RPD = 82.93	
9 Aldrin						
1	3.405	3.400	0.005	53719H	0.000430	
2	3.992	3.988	0.004	235356H	0.001365	
					RPD = 104.12	
10 Isobenzan						
1	3.508	3.510	-0.002	412845H	0.004239	
2	4.098	4.102	-0.004	963614H	0.007211	
					RPD = 51.91	
11 Heptachlor epoxide						
1	3.912	3.910	0.002	675856H	0.005503	
2	4.367	4.375	-0.008	4379760H	0.0283	
					RPD = 134.79	
12 2,4'-DDE						
1	4.128	4.120	0.008	231757H	0.002608	
2	4.513	4.515	-0.002	2902289H	0.0349	
					RPD = 172.18	
13 trans-Chlordane						
1	4.108	4.113	-0.005	1399707H	0.0109	
2	4.642	4.640	0.002	22391705H	0.1599	
					RPD = 174.48	
14 cis-Chlordane						
1	4.198	4.197	0.001	1188772H	0.009328	
2	4.680	4.680	0.000	4738330H	0.0343	
					RPD = 114.53	
15 Endosulfan I						
1	4.240	4.242	-0.002	2261170H	0.0191	
2	4.710	4.710	0.000	4756896H	0.0352	
					RPD = 59.16	
16 4,4'-DDE						
1	4.370	4.373	-0.003	1569573H	0.0111	
2	4.808	4.807	0.001	3950152H	0.0333	
					RPD = 100.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
17 2,4'-DDD						
1	4.537	4.538	-0.001	1431322H	0.0173	
2	4.877	4.885	-0.008	1269249H	0.0270	
					RPD = 43.95	
18 Dieldrin						
1	4.475	4.480	-0.005	3999192H	0.0288	
2	4.928	4.915	0.013	634172H	0.005357	
					RPD = 137.23	
19 Endrin						
1	4.732	4.733	-0.001	2584441H	0.0205	
2	5.095	5.093	0.002	791767H	0.008984	
					RPD = 78.00	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
20 2,4'-DDT						
1	4.757	4.762	-0.005	599569H	0.008290	
2	5.118	5.123	-0.005	443196H	0.0134	
					RPD = 47.47	
22 4,4'-DDD						
1	4.842	4.835	0.007	3375928H	0.0281	
2	5.202	5.208	-0.006	268500H	0.004861	
					RPD = 141.03	
23 Endosulfan II						
1	4.948	4.942	0.006	5128857H	0.0414	
2	5.303	5.298	0.005	160417H	0.002590	
					RPD = 176.45	
25 Endrin aldehyde						
1	5.120	5.117	0.003	989602H	0.009744	
2	5.377	5.380	-0.003	309396H	0.006657	
					RPD = 37.65	
26 4,4'-DDT						
1	5.038	5.043	-0.005	6967166H	0.0661	
2	5.433	5.437	-0.004	419308H	0.0121	
					RPD = 138.18	
24 Kepone						
1	4.992	4.990	0.002	1323484H	0.0194	
2	5.495	5.490	0.005	463701H	0.0211	
					RPD = 8.21	
27 Endosulfan sulfate						
1	5.260	5.267	-0.007	1101273H	0.009337	
2	5.590	5.592	-0.002	227433H	0.004625	
					RPD = 67.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
28 Methoxychlor						
1	5.538	5.543	-0.005	1031559	0.0191	H
2	5.755	5.762	-0.007	344487	0.0188	H
					RPD = 2.03	
29 Endrin ketone						
1	5.708	5.702	0.006	3285286	0.0241	H
2	5.893	5.897	-0.004	470624	0.007939	H
					RPD = 100.96	
30 Mirex						
1	5.798	5.793	0.005	309412	0.003743	H
2	6.257	6.257	0.000	456210	0.0134	H
					RPD = 112.76	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.448	6.450	-0.002	1465631372	12.1	H
2	6.938	6.945	-0.007	609376010	13.3	H
					RPD = 9.57	
S 32 Total DDTs						
1					0.0744	
2					0.0255	
					RPD = 97.79	
S 33 Endosulfan, Total						
1					0.0605	
2					0.0378	
					RPD = 46.27	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:19:02 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.029.D

Injection Date: 20-Dec-2023 09:14:00 Instrument ID: 9147

Lims ID: 410-154654-A-2-C Lab Sample ID: 410-154654-2

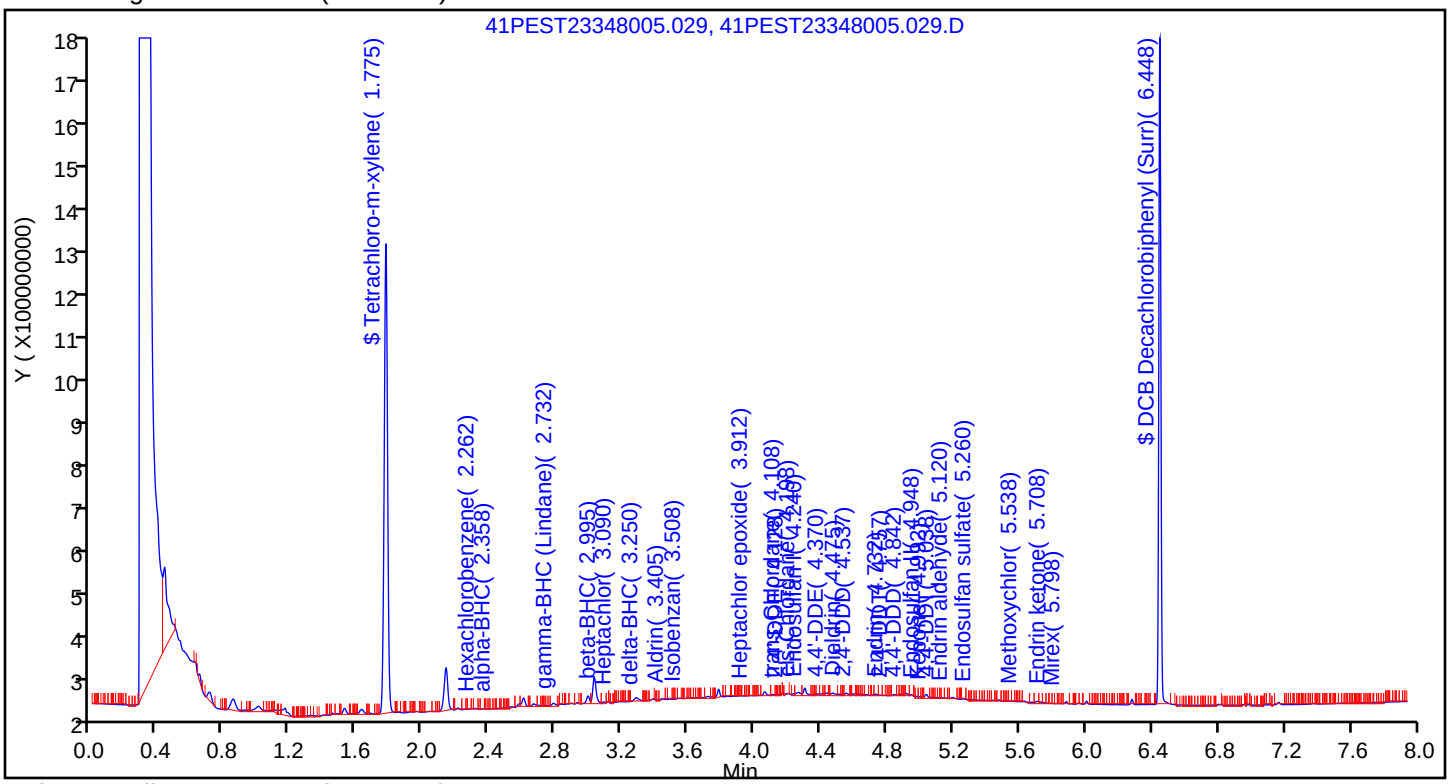
Client ID: MW-3-F-20231212

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

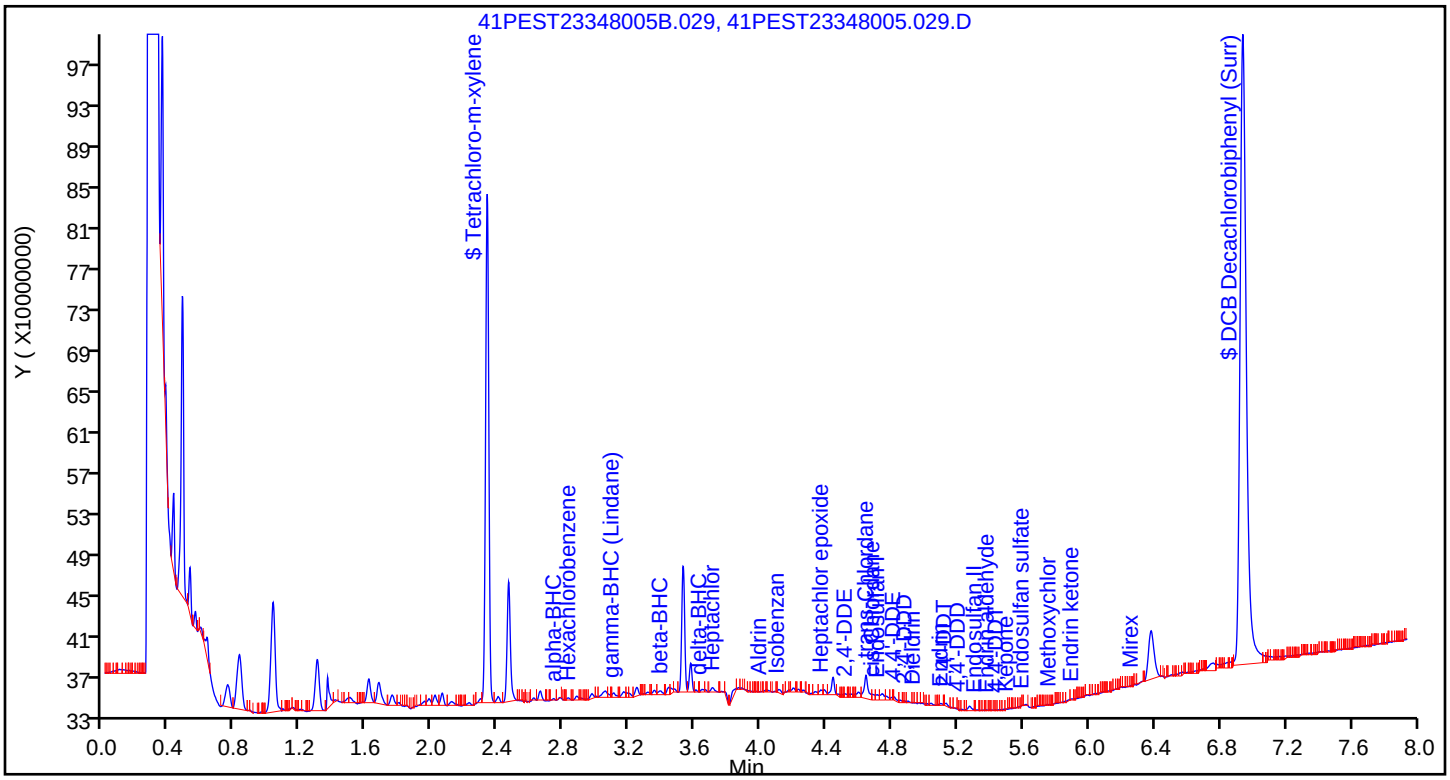
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.029.D				
Lims ID:	410-154654-A-2-C				
Client ID:	MW-3-F-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 09:14:00	ALS Bottle#:	0	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-2-C				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:16:43		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	12.6	84.08
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	12.1	80.60

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	12.4	82.43
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	13.3	88.69

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-5-UF-20231212
Lab Sample ID: 410-154654-3

Matrix: Water
Lab File ID: 41PEST23348005.030.D

Analysis Method: 8081B
Date Collected: 12/12/2023 10:31

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 247.4(mL)
Date Analyzed: 12/20/2023 09:28

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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	ND		0.030	0.011
319-86-8	delta-BHC	ND		0.020	0.0034
60-57-1	Dieldrin	0.0062	J p	0.030	0.0054
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	0.0059
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
58-89-9	gamma-BHC (Lindane)	ND		0.020	0.0020
5103-74-2	gamma-Chlordane	ND		0.040	0.0071
76-44-8	Heptachlor	ND		0.020	0.0020
1024-57-3	Heptachlor epoxide	0.0031	J	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	0.0051
50-29-3	p,p'-DDT	0.021	J	0.030	0.0053

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	28	p	20-149
877-09-8	Tetrachloro-m-xylene (Surr)	77		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.030.D
Lims ID: 410-154654-A-3-A
Client ID: MW-5-UF-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 09:28:00 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-3-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:16:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.772	1.778	-0.006	944322676	11.5	H
2	2.335	2.340	-0.005	449864497	11.3	H
					RPD = 1.69	
2 alpha-BHC						
1	2.388	2.363	0.025	48835924	0.3827	H
2	2.723	2.750	-0.027	11479962	0.0789	H
					RPD = 131.62	
4 gamma-BHC (Lindane)						
1	2.712	2.732	-0.020	10264581	0.0832	H
2	3.083	3.088	-0.005	7779652	0.0526	H
					RPD = 44.99	
5 beta-BHC						
1	2.957	2.982	-0.025	7917037	0.1493	H
2	3.352	3.375	-0.023	27511665	0.4737	H
					RPD = 104.11	
7 delta-BHC						
1	3.260	3.268	-0.008	5530382	0.0394	H
2	3.635	3.628	0.007	18934877	0.1042	H
					RPD = 90.33	
8 Heptachlor						
1	3.093	3.090	0.003	708891	0.006448	H
2	3.685	3.688	-0.003	2076282	0.0122	H
					RPD = 61.42	
9 Aldrin						
1	3.385	3.400	-0.015	9201662	0.0737	H
2	4.005	3.988	0.017	93449873	0.5420	H
					RPD = 152.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						M
1	3.915	3.910	0.005	18649690H	0.1518	
2	4.388	4.375	0.013	29882261H	0.1928	M
					RPD = 23.75	
13 trans-Chlordane						M
1	4.112	4.113	-0.001	36829568H	0.2868	
2	4.657	4.640	0.017	63518318H	0.4537	M
					RPD = 45.09	
14 cis-Chlordane						
1		4.197			ND	
2		4.680				
15 Endosulfan I						M
1	4.233	4.242	-0.009	22473625H	0.1900	
2	4.702	4.710	-0.008	107552683H	0.7955	M
					RPD = 122.87	
16 4,4'-DDE						M
1	4.370	4.373	-0.003	34670246H	0.2447	
2	4.787	4.807	-0.020	63356642H	0.5337	M
					RPD = 74.26	
18 Dieldrin						
1	4.477	4.480	-0.003	42782675H	0.3079	
2	4.910	4.915	-0.005	58300312H	0.4925	
					RPD = 46.12	
19 Endrin						
1	4.723	4.733	-0.010	33830796H	0.2680	
2	5.078	5.093	-0.015	90022261H	1.02	
					RPD = 116.87	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.845	4.835	0.010	79743603H	0.6641	
2	5.197	5.208	-0.011	10546354H	0.1909	
					RPD = 110.68	
23 Endosulfan II						
1	4.945	4.942	0.003	49561905H	0.4000	
2	5.292	5.298	-0.006	15598272H	0.2518	
					RPD = 45.47	
25 Endrin aldehyde						
1	5.133	5.117	0.016	27040246H	0.2663	
2	5.365	5.380	-0.015	11566237H	0.2488	
					RPD = 6.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.037	5.043	-0.006	111972796H	1.06	
2	5.442	5.437	0.005	35892591H	1.03	
					RPD = 2.67	
27 Endosulfan sulfate						
1	5.268	5.267	0.001	20135835H	0.1707	
2	5.585	5.592	-0.007	111731313H	2.27	
					RPD = 172.05	
28 Methoxychlor						
1	5.547	5.543	0.004	14285594H	0.2651	
2	5.745	5.762	-0.017	12046825H	0.6560	
					RPD = 84.87	
29 Endrin ketone						
1	5.697	5.702	-0.005	15236250H	0.1119	
2	5.895	5.897	-0.002	1349969H	0.0228	
					RPD = 132.35	
$ 31 DCB Decachlorobiphenyl (Surr)						a
1	6.445	6.450	-0.005	500939729H	4.13	a
2	6.910	6.945	-0.035	392394585H	8.57	a
					RPD = 69.85	

QC Flag Legend

Processing Flags
- H - Response Measured by Height

Review Flags
- M - Manually Integrated
- U - Marked Undetected
- a - User Assigned ID

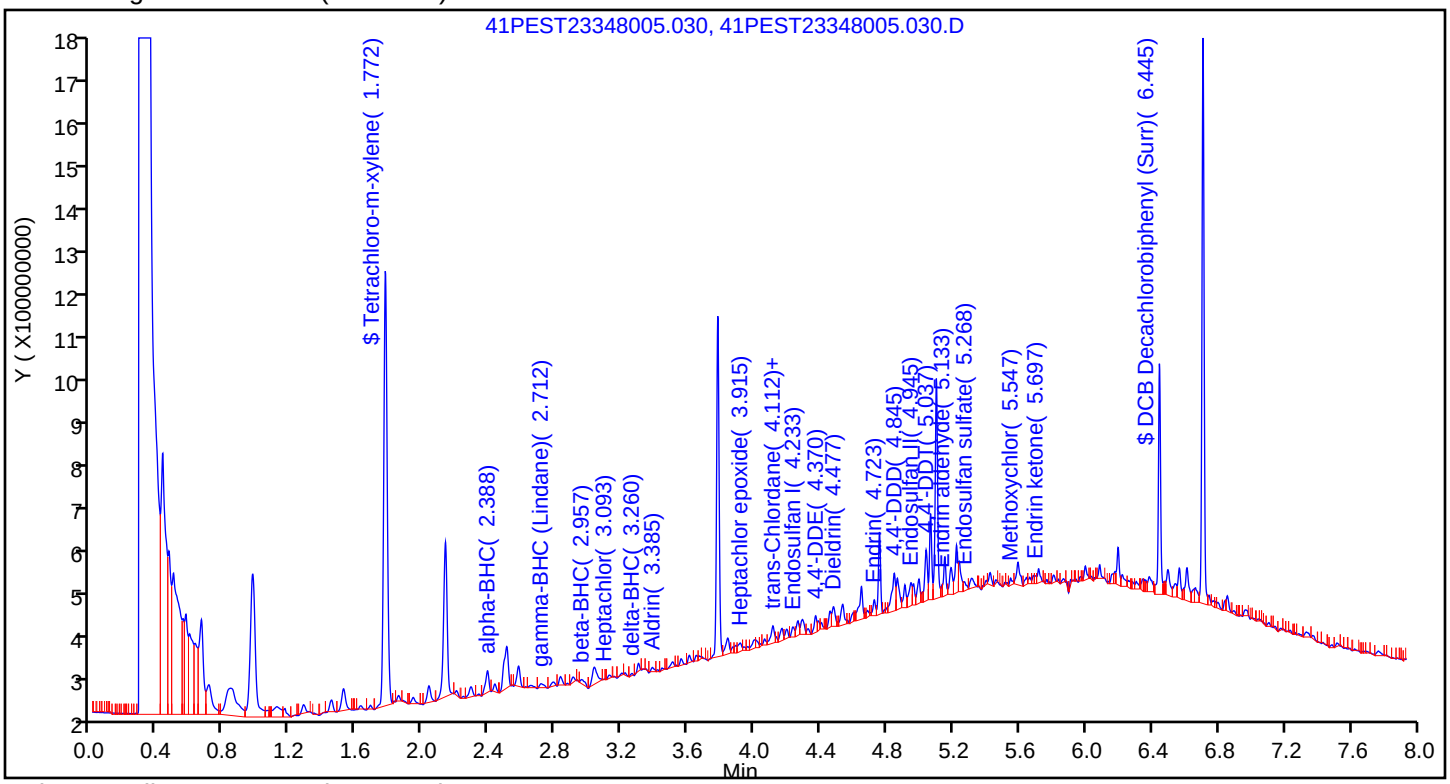
Report Date: 20-Dec-2023 12:19:04 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

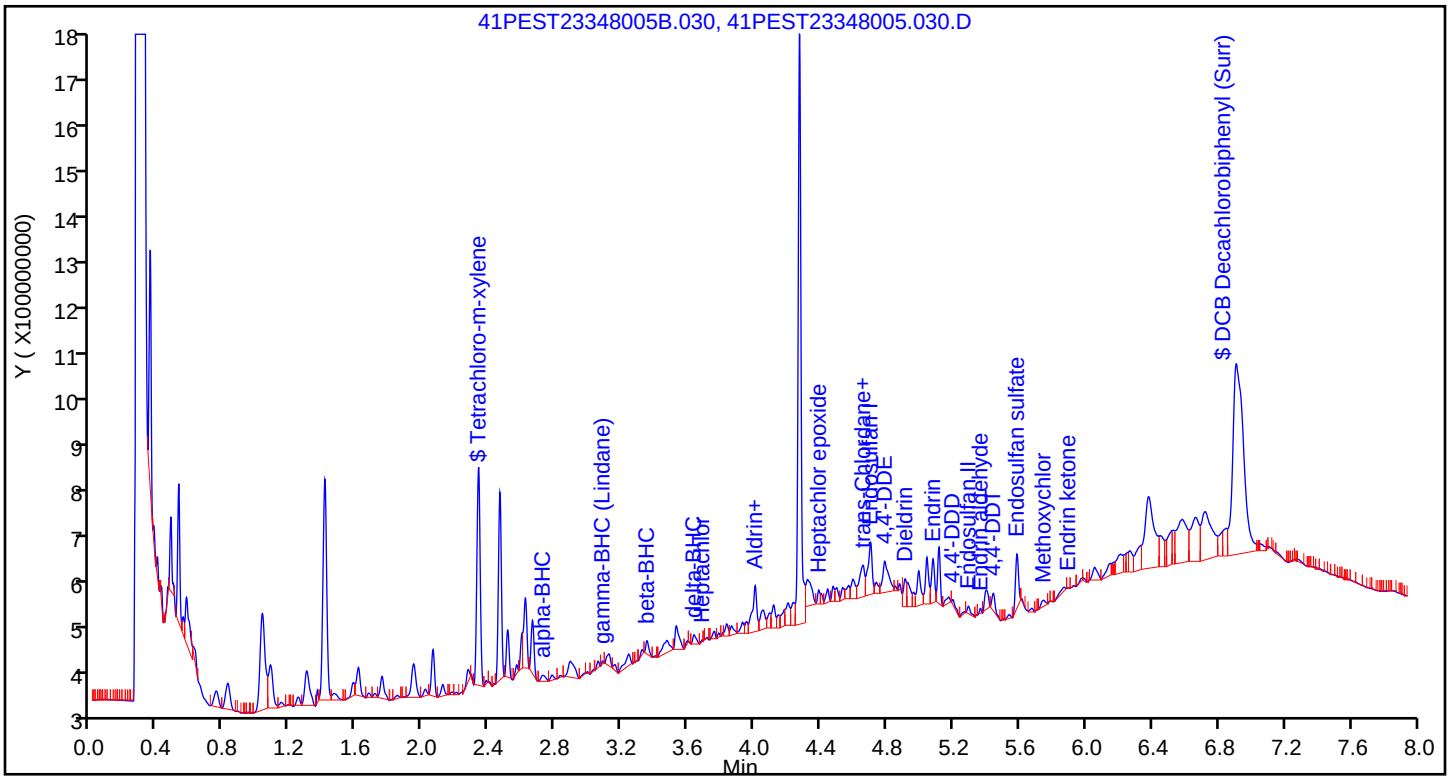
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Injection Date:	20-Dec-2023 09:28:00	Instrument ID:	9147		
Lims ID:	410-154654-A-3-A	Lab Sample ID:	410-154654-3		
Client ID:	MW-5-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.030.D				
Lims ID:	410-154654-A-3-A				
Client ID:	MW-5-UF-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 09:28:00	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-3-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:16:31		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.5	76.86
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	4.13	27.55

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.3	75.57
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	8.57	57.11

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

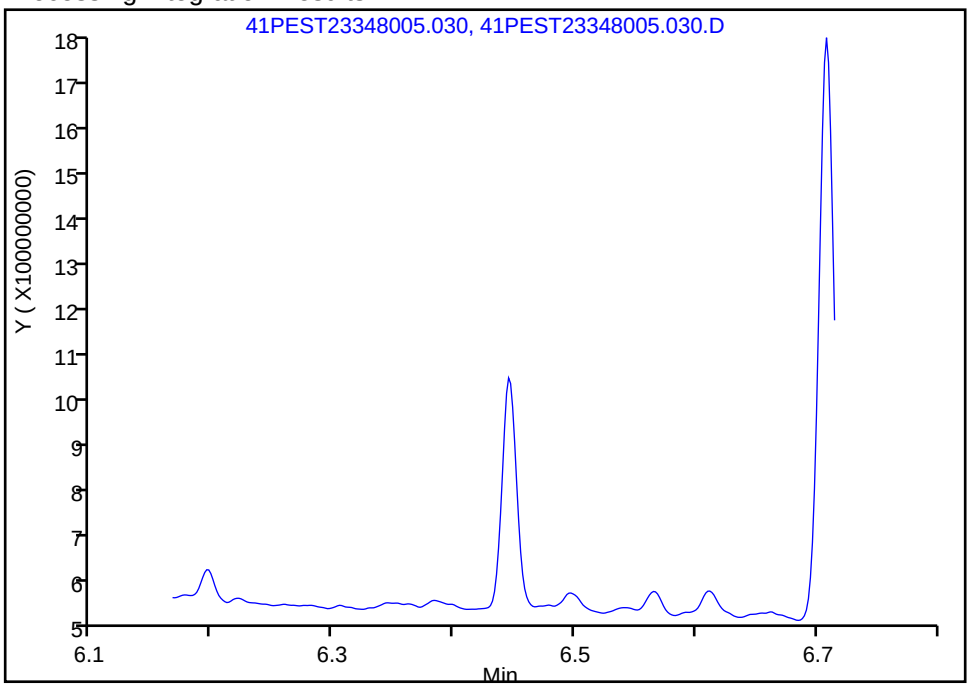
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.030.D				
Injection Date:	20-Dec-2023 09:28:00	Instrument ID:	9147		
Lims ID:	410-154654-A-3-A	Lab Sample ID:	410-154654-3		
Client ID:	MW-5-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 2

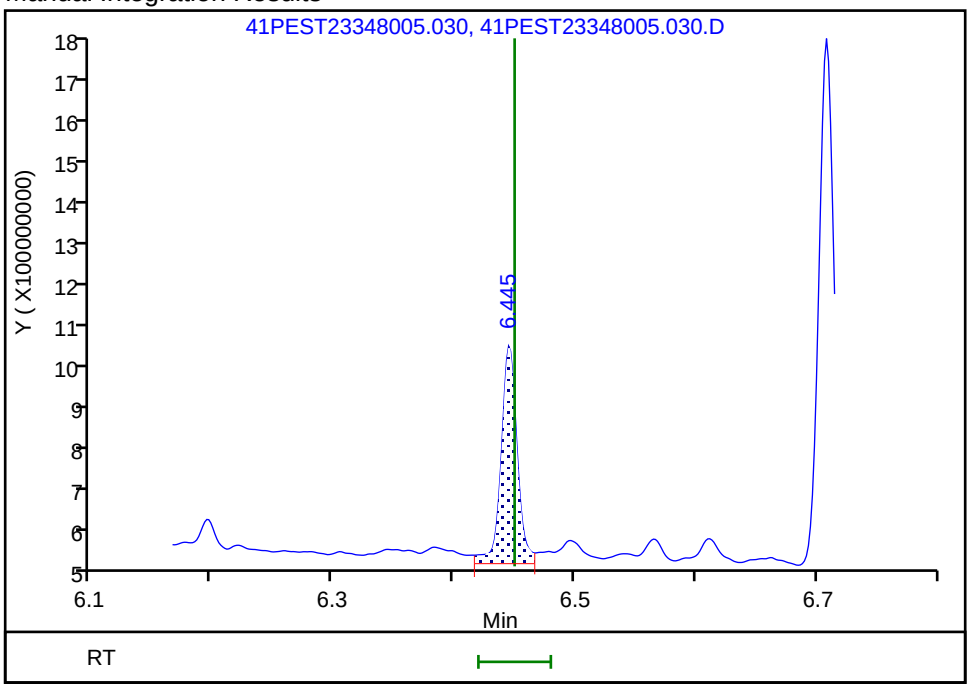
Not Detected
Expected RT: 6.45

Processing Integration Results



Manual Integration Results

RT: 6.45
Height: 500939729
Amount: 4.134163
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:16:17 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-5-UF-20231212 Lab Sample ID: 410-154654-3

Matrix: Water Lab File ID: 41PEST23348005.030.D

Analysis Method: 8081B Date Collected: 12/12/2023 10:31

Extraction Method: 3510C Date Extracted: 12/18/2023 10:00

Sample wt/vol: 247.4(mL) Date Analyzed: 12/20/2023 09:28

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	ND		0.020	0.0030
72-54-8	p,p'-DDD	ND		0.030	0.0051

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	57		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	76		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.030.D
Lims ID: 410-154654-A-3-A
Client ID: MW-5-UF-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 09:28:00 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-3-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:16:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.772	1.778	-0.006	944322676	11.5	H
2	2.335	2.340	-0.005	449864497	11.3	H
					RPD = 1.69	
2 alpha-BHC						
1	2.388	2.363	0.025	48835924	0.3827	H
2	2.723	2.750	-0.027	11479962	0.0789	H
					RPD = 131.62	
4 gamma-BHC (Lindane)						
1	2.712	2.732	-0.020	10264581	0.0832	H
2	3.083	3.088	-0.005	7779652	0.0526	H
					RPD = 44.99	
5 beta-BHC						
1	2.957	2.982	-0.025	7917037	0.1493	H
2	3.352	3.375	-0.023	27511665	0.4737	H
					RPD = 104.11	
7 delta-BHC						
1	3.260	3.268	-0.008	5530382	0.0394	H
2	3.635	3.628	0.007	18934877	0.1042	H
					RPD = 90.33	
8 Heptachlor						
1	3.093	3.090	0.003	708891	0.006448	H
2	3.685	3.688	-0.003	2076282	0.0122	H
					RPD = 61.42	
9 Aldrin						
1	3.385	3.400	-0.015	9201662	0.0737	H
2	4.005	3.988	0.017	93449873	0.5420	H
					RPD = 152.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						M
1	3.915	3.910	0.005	18649690H	0.1518	
2	4.388	4.375	0.013	29882261H	0.1928	M
					RPD = 23.75	
13 trans-Chlordane						M
1	4.112	4.113	-0.001	36829568H	0.2868	
2	4.657	4.640	0.017	63518318H	0.4537	M
					RPD = 45.09	
14 cis-Chlordane						
1		4.197			ND	
2		4.680				
15 Endosulfan I						M
1	4.233	4.242	-0.009	22473625H	0.1900	
2	4.702	4.710	-0.008	107552683H	0.7955	M
					RPD = 122.87	
16 4,4'-DDE						M
1	4.370	4.373	-0.003	34670246H	0.2447	
2	4.787	4.807	-0.020	63356642H	0.5337	M
					RPD = 74.26	
18 Dieldrin						
1	4.477	4.480	-0.003	42782675H	0.3079	
2	4.910	4.915	-0.005	58300312H	0.4925	
					RPD = 46.12	
19 Endrin						
1	4.723	4.733	-0.010	33830796H	0.2680	
2	5.078	5.093	-0.015	90022261H	1.02	
					RPD = 116.87	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.845	4.835	0.010	79743603H	0.6641	
2	5.197	5.208	-0.011	10546354H	0.1909	
					RPD = 110.68	
23 Endosulfan II						
1	4.945	4.942	0.003	49561905H	0.4000	
2	5.292	5.298	-0.006	15598272H	0.2518	
					RPD = 45.47	
25 Endrin aldehyde						
1	5.133	5.117	0.016	27040246H	0.2663	
2	5.365	5.380	-0.015	11566237H	0.2488	
					RPD = 6.76	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.037	5.043	-0.006	111972796H	1.06	
2	5.442	5.437	0.005	35892591H	1.03	
					RPD = 2.67	
27 Endosulfan sulfate						
1	5.268	5.267	0.001	20135835H	0.1707	
2	5.585	5.592	-0.007	111731313H	2.27	
					RPD = 172.05	
28 Methoxychlor						
1	5.547	5.543	0.004	14285594H	0.2651	
2	5.745	5.762	-0.017	12046825H	0.6560	
					RPD = 84.87	
29 Endrin ketone						
1	5.697	5.702	-0.005	15236250H	0.1119	
2	5.895	5.897	-0.002	1349969H	0.0228	
					RPD = 132.35	
$ 31 DCB Decachlorobiphenyl (Surr)						a
1	6.445	6.450	-0.005	500939729H	4.13	a
2	6.910	6.945	-0.035	392394585H	8.57	a
					RPD = 69.85	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

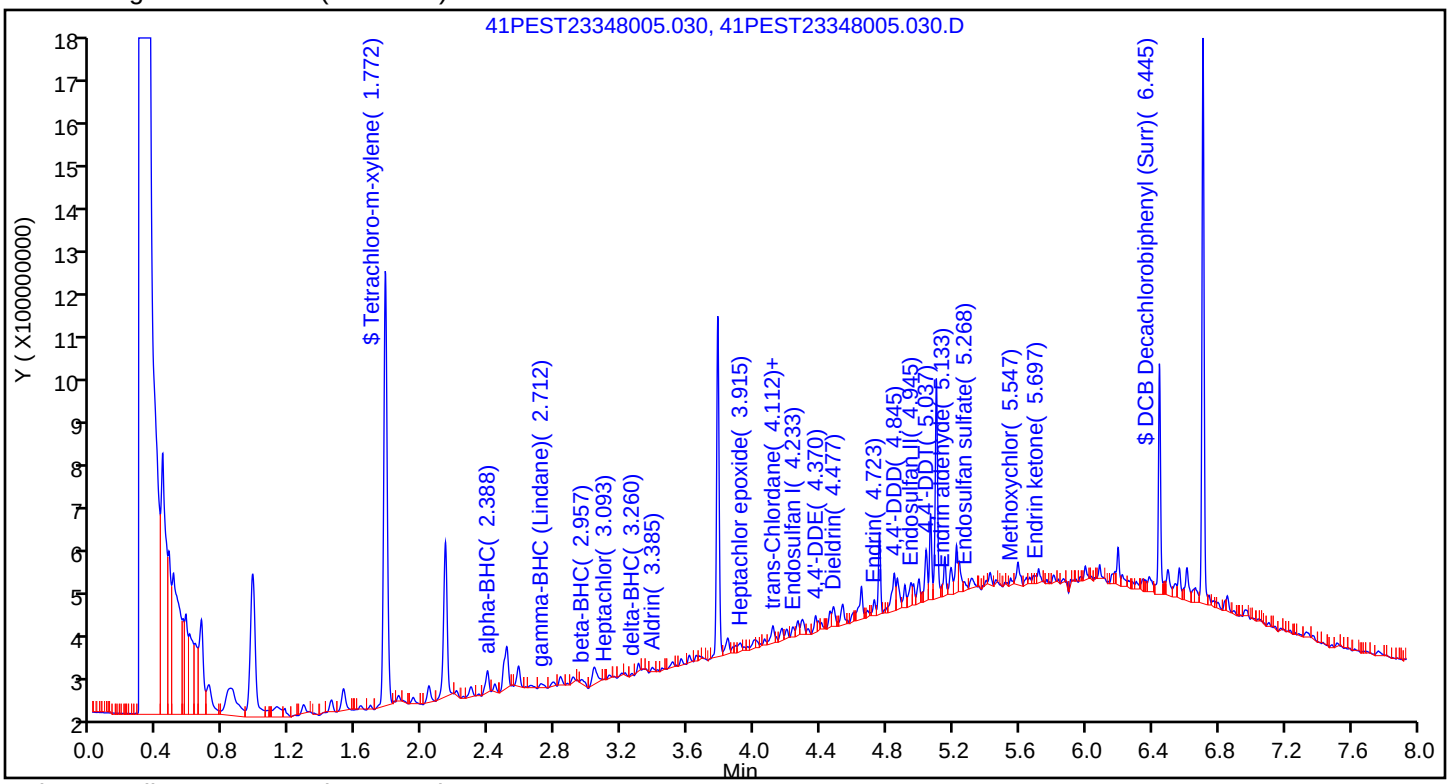
a - User Assigned ID

Report Date: 20-Dec-2023 12:19:04 Chrom Revision: 2.3 30-Nov-2023 17:25:52

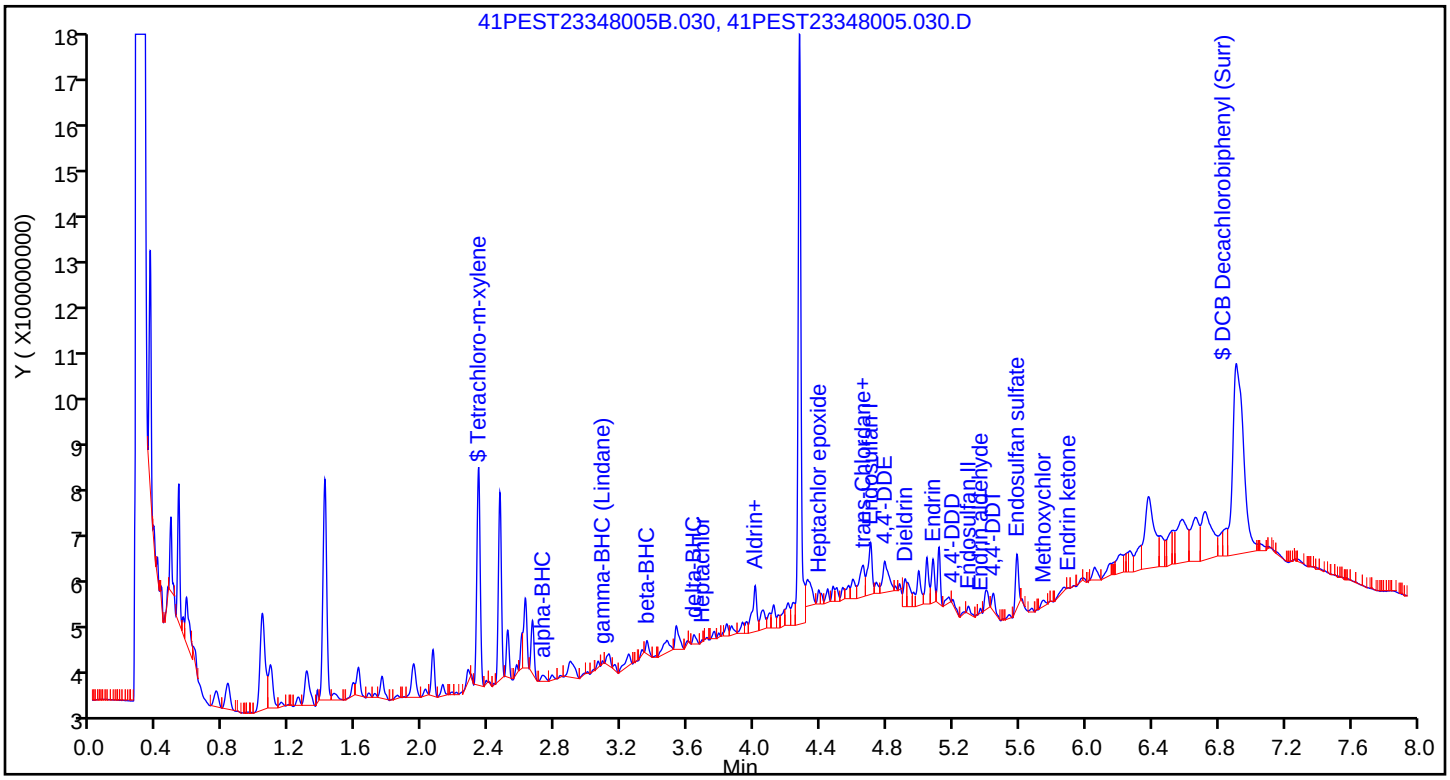
Eurofins Lancaster Laboratories Environment Testing, LLC

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Injection Date:	20-Dec-2023 09:28:00	Instrument ID:	9147		
Lims ID:	410-154654-A-3-A	Lab Sample ID:	410-154654-3		
Client ID:	MW-5-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.030.D				
Lims ID:	410-154654-A-3-A				
Client ID:	MW-5-UF-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 09:28:00	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-3-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:16:31		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.5	76.86
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	4.13	27.55

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.3	75.57
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	8.57	57.11

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

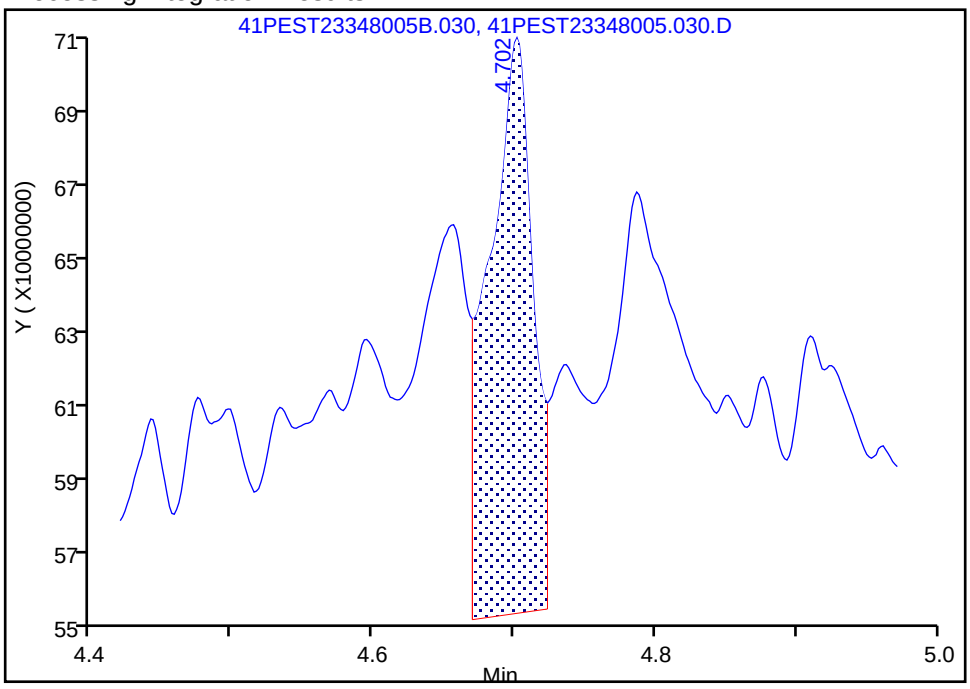
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Injection Date:	20-Dec-2023 09:28:00	Instrument ID:	9147		
Lims ID:	410-154654-A-3-A	Lab Sample ID:	410-154654-3		
Client ID:	MW-5-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

15 Endosulfan I, CAS: 959-98-8

Signal: 1

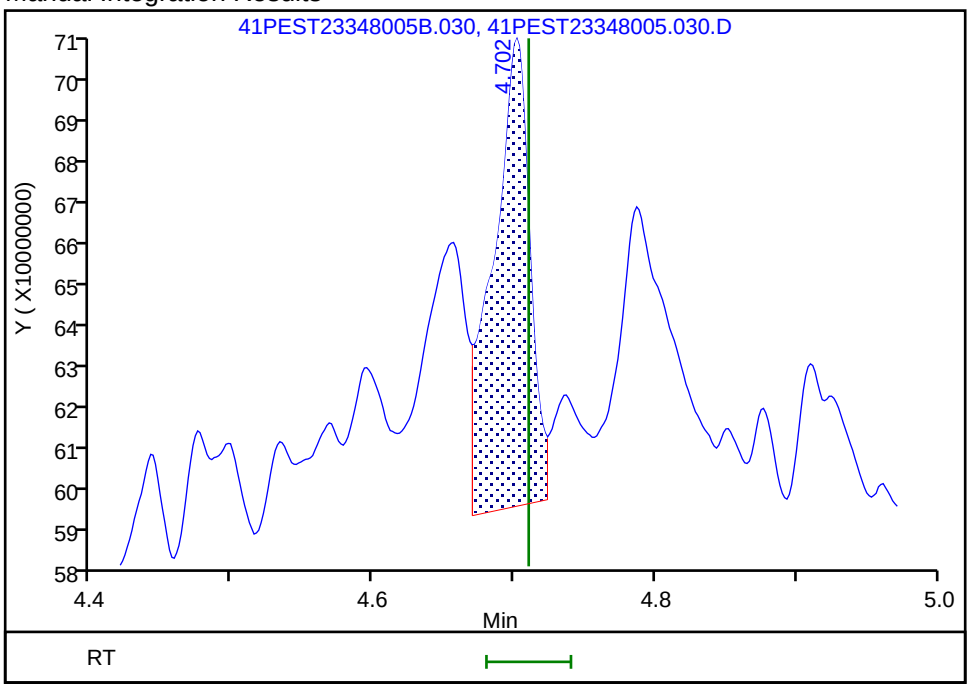
Processing Integration Results

RT: 4.70
Height: 144509504
Amount: 1.068817
Amount Units: ug/l



Manual Integration Results

RT: 4.70
Height: 107552683
Amount: 0.795478
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:16:12 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

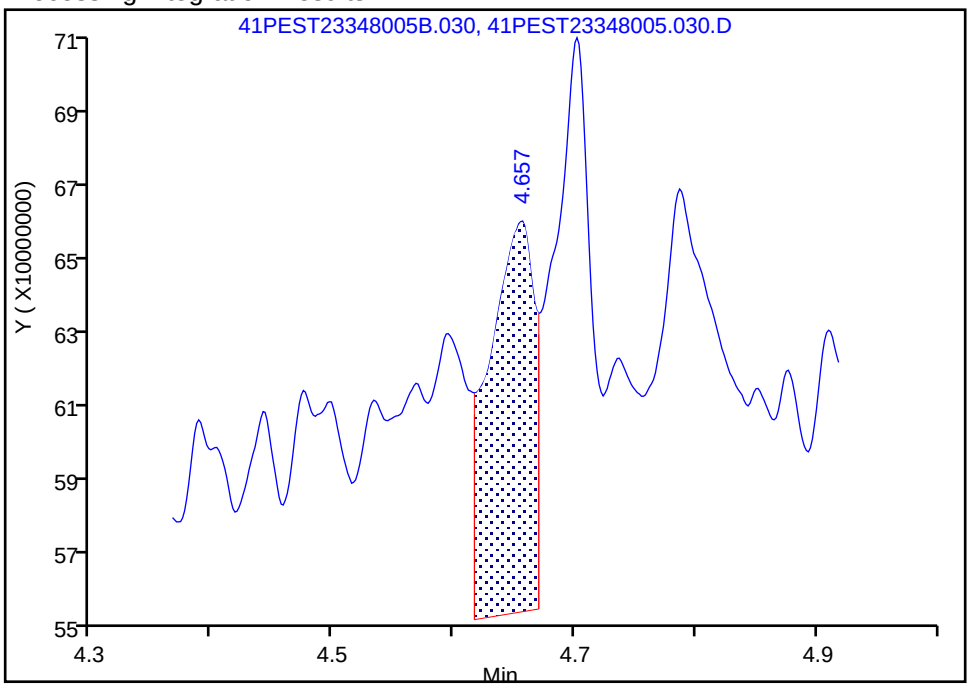
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Injection Date:	20-Dec-2023 09:28:00	Instrument ID:	9147		
Lims ID:	410-154654-A-3-A	Lab Sample ID:	410-154654-3		
Client ID:	MW-5-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

13 trans-Chlordane, CAS: 5103-74-2

Signal: 1

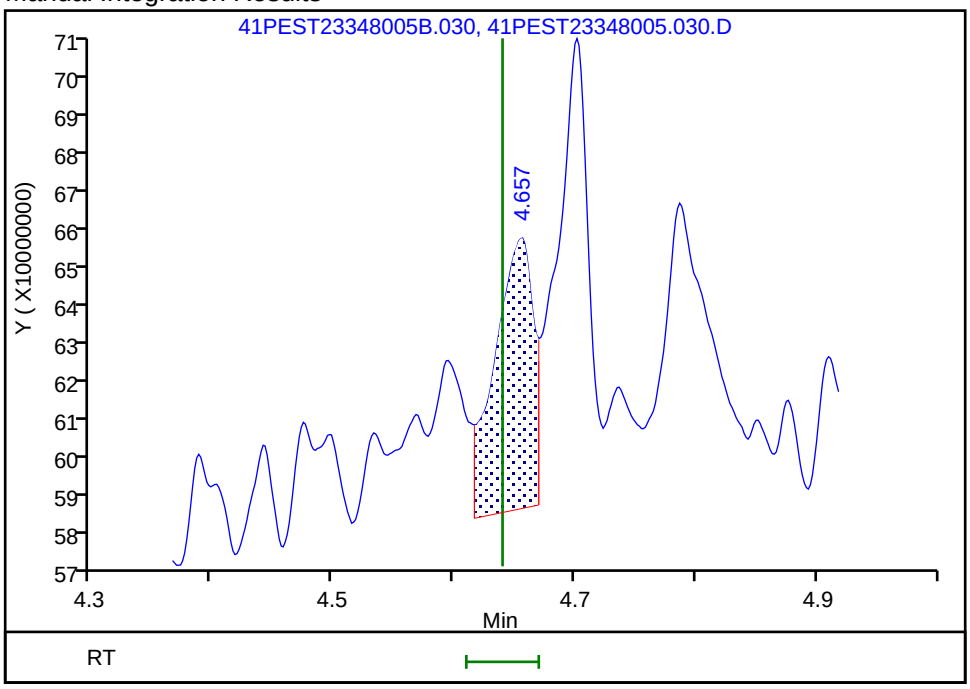
Processing Integration Results

RT: 4.66
Height: 100031100
Amount: 0.714468
Amount Units: ug/l



Manual Integration Results

RT: 4.66
Height: 63518318
Amount: 0.453677
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:16:12 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

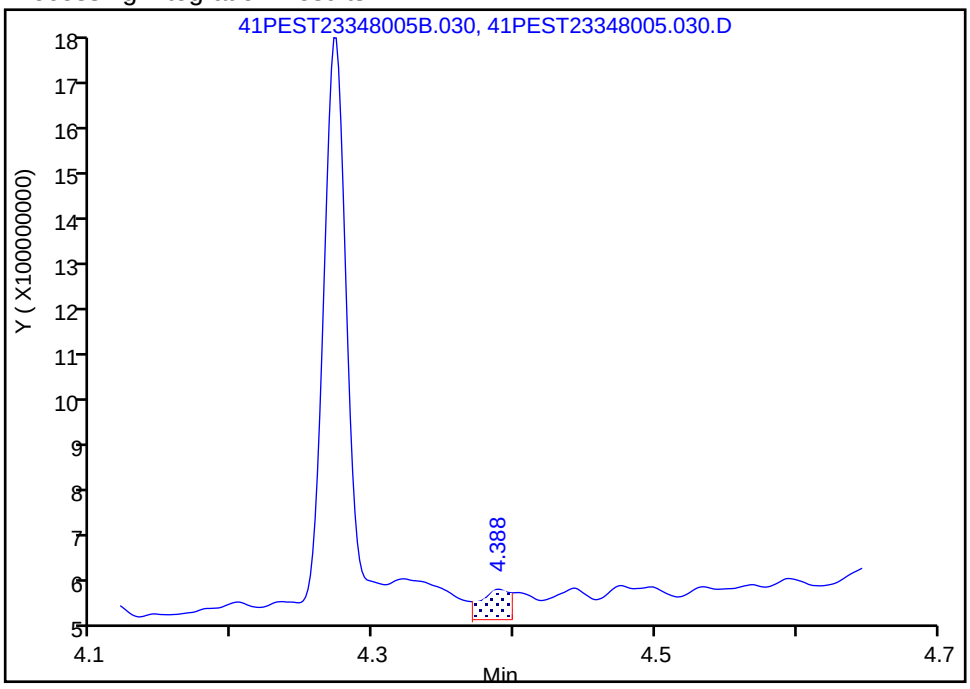
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Injection Date:	20-Dec-2023 09:28:00	Instrument ID:	9147		
Lims ID:	410-154654-A-3-A	Lab Sample ID:	410-154654-3		
Client ID:	MW-5-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

11 Heptachlor epoxide, CAS: 1024-57-3

Signal: 1

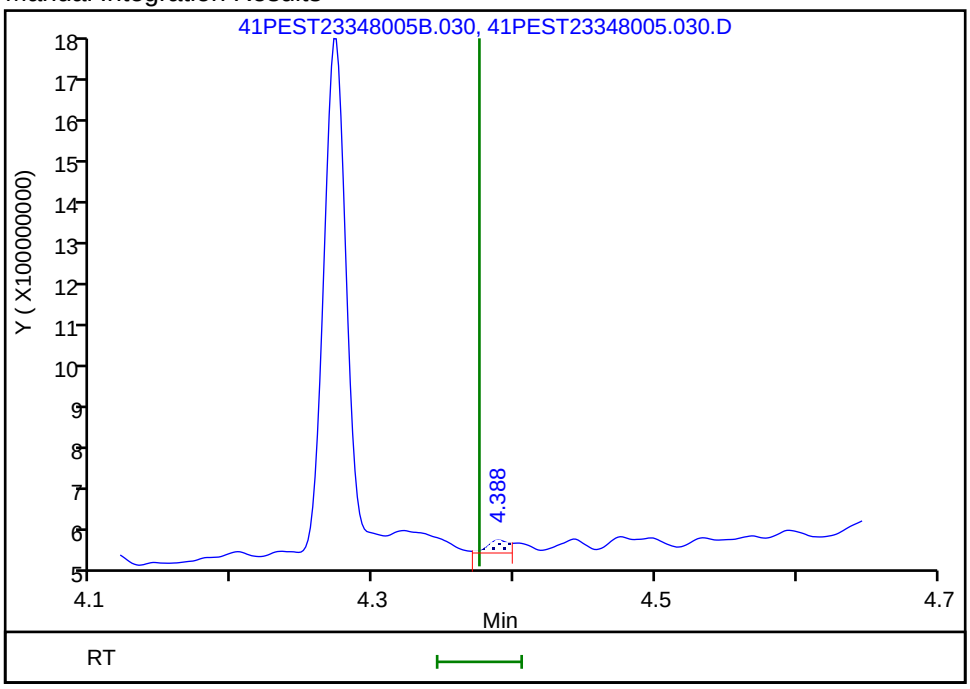
Processing Integration Results

RT: 4.39
Height: 63747252
Amount: 0.411224
Amount Units: ug/l



Manual Integration Results

RT: 4.39
Height: 29882261
Amount: 0.192766
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:16:12 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

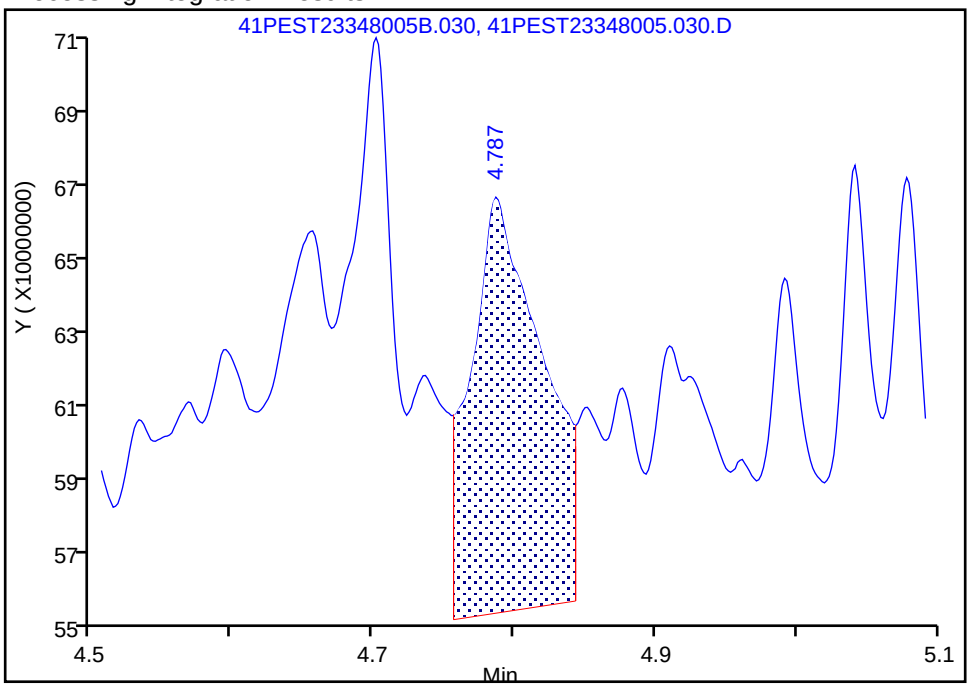
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Injection Date:	20-Dec-2023 09:28:00	Instrument ID:	9147		
Lims ID:	410-154654-A-3-A	Lab Sample ID:	410-154654-3		
Client ID:	MW-5-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

16 4,4'-DDE, CAS: 72-55-9

Signal: 1

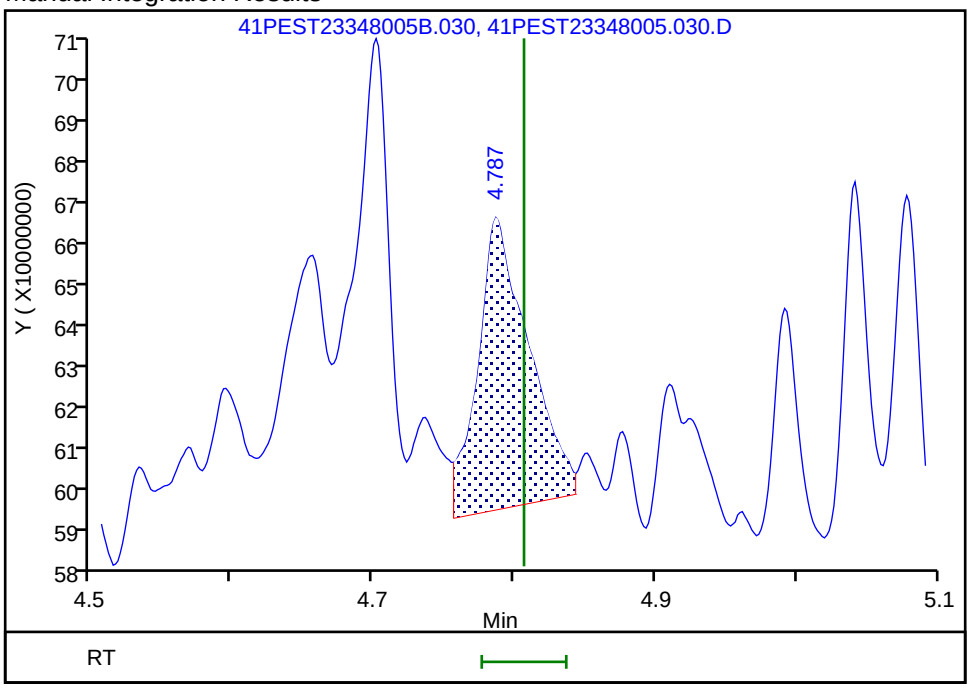
Processing Integration Results

RT: 4.79
Height: 101152204
Amount: 0.852078
Amount Units: ug/l



Manual Integration Results

RT: 4.79
Height: 63356642
Amount: 0.533698
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:16:12 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

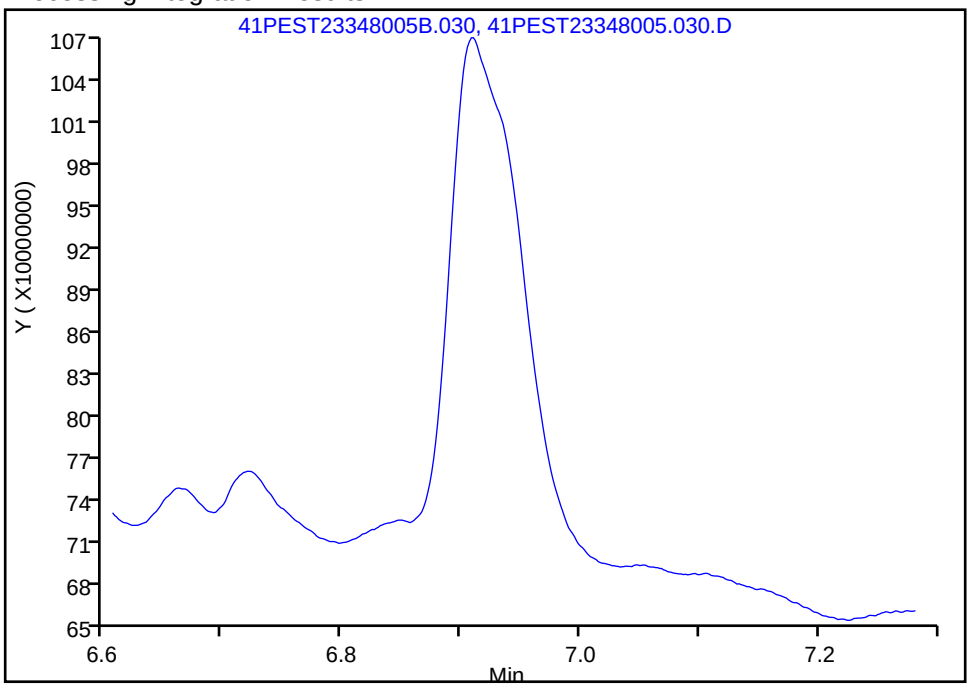
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.030.D				
Injection Date:	20-Dec-2023 09:28:00	Instrument ID:	9147		
Lims ID:	410-154654-A-3-A	Lab Sample ID:	410-154654-3		
Client ID:	MW-5-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 1

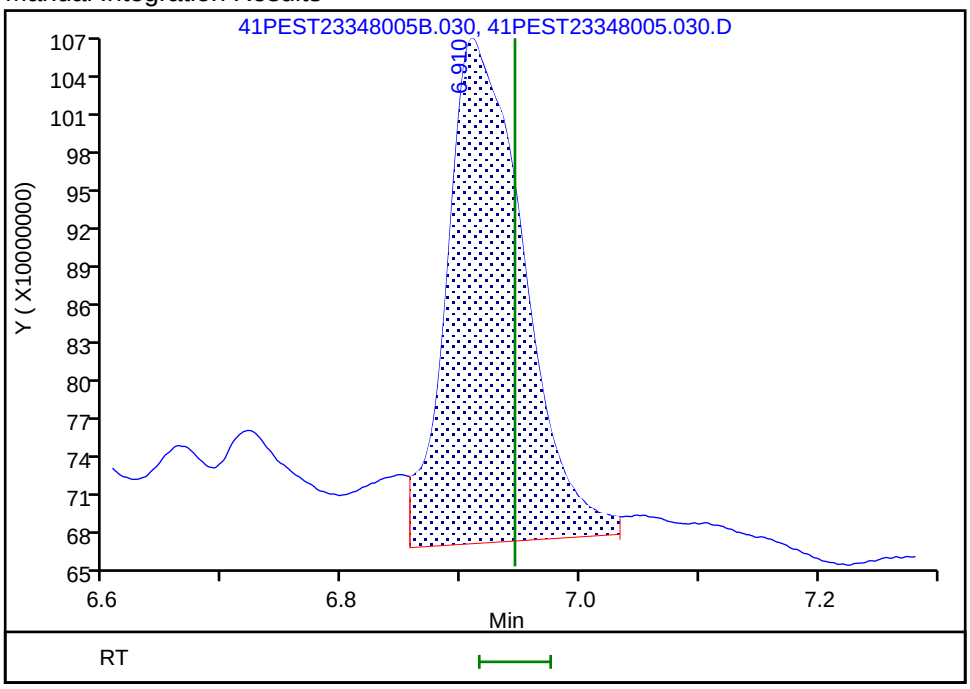
Not Detected
Expected RT: 6.95

Processing Integration Results



Manual Integration Results

RT: 6.91
Height: 392394585
Amount: 8.571239
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:16:18 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-5-F-20231212
Lab Sample ID: 410-154654-4

Matrix: Water
Lab File ID: 41PEST23348005.031.D

Analysis Method: 8081B
Date Collected: 12/12/2023 10:36

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250.3(mL)
Date Analyzed: 12/20/2023 09:43

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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	ND		0.030	0.011
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
72-55-9	p,p'-DDE	ND		0.030	0.0050
50-29-3	p,p'-DDT	0.0084	J p	0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	18	S1-cn	20-149
877-09-8	Tetrachloro-m-xylene (Surr)	47		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.031.D
Lims ID: 410-154654-A-4-A
Client ID: MW-5-F-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 09:43:00 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-4-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:14:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.773	1.778	-0.005	575730567	H 7.04	
2	2.333	2.340	-0.007	295284619	H 7.45	
					RPD = 5.69	
2 alpha-BHC						
1	2.388	2.363	0.025	33865326	H 0.2654	
2	2.733	2.750	-0.017	3649380	H 0.0251	
					RPD = 165.46	
4 gamma-BHC (Lindane)						
1	2.710	2.732	-0.022	2896711	H 0.0235	
2	3.083	3.088	-0.005	3107269	H 0.0210	
					RPD = 11.02	
5 beta-BHC						
1	2.977	2.982	-0.005	751188	H 0.0142	
2	3.398	3.375	0.023	1029416	H 0.0177	
					RPD = 22.28	
7 delta-BHC						
1	3.263	3.268	-0.005	633603	H 0.004510	
2	3.637	3.628	0.009	10551625	H 0.0581	
					RPD = 171.18	
8 Heptachlor						
1	3.085	3.090	-0.005	962851	H 0.008758	
2	3.680	3.688	-0.008	2754488	H 0.0161	
					RPD = 59.28	
9 Aldrin						
1	3.383	3.400	-0.017	5486741	H 0.0440	
2	3.983	3.988	-0.005	19107556	H 0.1108	
					RPD = 86.40	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						M
1	3.905	3.910	-0.005	9118168H	0.0742	
2	4.388	4.375	0.013	19936695H	0.1286	M
					RPD = 53.61	
13 trans-Chlordane						M
1	4.113	4.113	0.000	17617908H	0.1372	
2	4.657	4.640	0.017	36401315H	0.2600	M
					RPD = 61.85	
14 cis-Chlordane						
1		4.197			ND	
2		4.680				
15 Endosulfan I						M
1	4.232	4.242	-0.010	16688750H	0.1411	
2	4.702	4.710	-0.008	61251408H	0.4530	M
					RPD = 104.99	
16 4,4'-DDE						M
1	4.370	4.373	-0.003	16293556H	0.1150	
2	4.787	4.807	-0.020	41228534H	0.3473	M
					RPD = 100.50	
18 Dieldrin						
1	4.482	4.480	0.002	20149233H	0.1450	
2	4.910	4.915	-0.005	40058276H	0.3384	
					RPD = 80.00	
19 Endrin						M
1	4.723	4.733	-0.010	24406954H	0.1933	
2	5.078	5.093	-0.015	51170311H	0.5806	M
					RPD = 100.08	
21 Toxaphene						MU
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.845	4.835	0.010	35535363H	0.2960	
2	5.212	5.208	0.004	11992974H	0.2171	
					RPD = 30.72	
23 Endosulfan II						
1	4.948	4.942	0.006	25046748H	0.2021	
2	5.288	5.298	-0.010	11751501H	0.1897	
					RPD = 6.35	
25 Endrin aldehyde						
1	5.132	5.117	0.015	16370737H	0.1612	
2	5.363	5.380	-0.017	4592344H	0.0988	
					RPD = 47.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.037	5.043	-0.006	44226457	H 0.4196	
2	5.443	5.437	0.006	22869343	H 0.6590	
					RPD = 44.40	
27 Endosulfan sulfate						
1	5.277	5.267	0.010	12476084	H 0.1058	
2	5.583	5.592	-0.009	25419583	H 0.5169	
					RPD = 132.06	
28 Methoxychlor						
1	5.552	5.543	0.009	4651031	H 0.0863	
2	5.752	5.762	-0.010	2776610	H 0.1512	
					RPD = 54.64	
29 Endrin ketone						
1	5.710	5.702	0.008	16017226	H 0.1176	
2	5.897	5.897	0.000	1026606	H 0.0173	
					RPD = 148.66	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.445	6.450	-0.005	323138723	H 2.67	
2	6.938	6.945	-0.007	136354903	H 2.98	
					RPD = 11.04	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

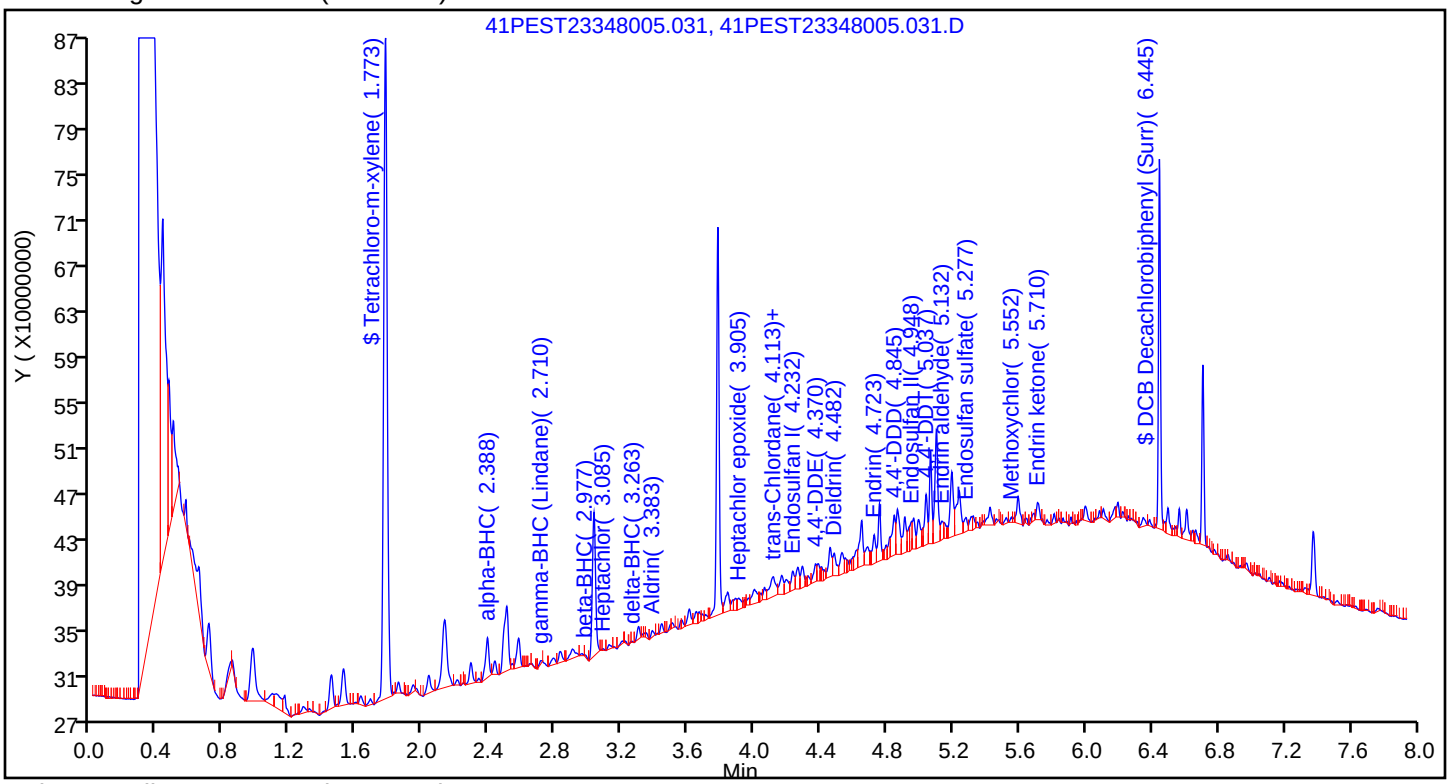
Report Date: 20-Dec-2023 12:19:06 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

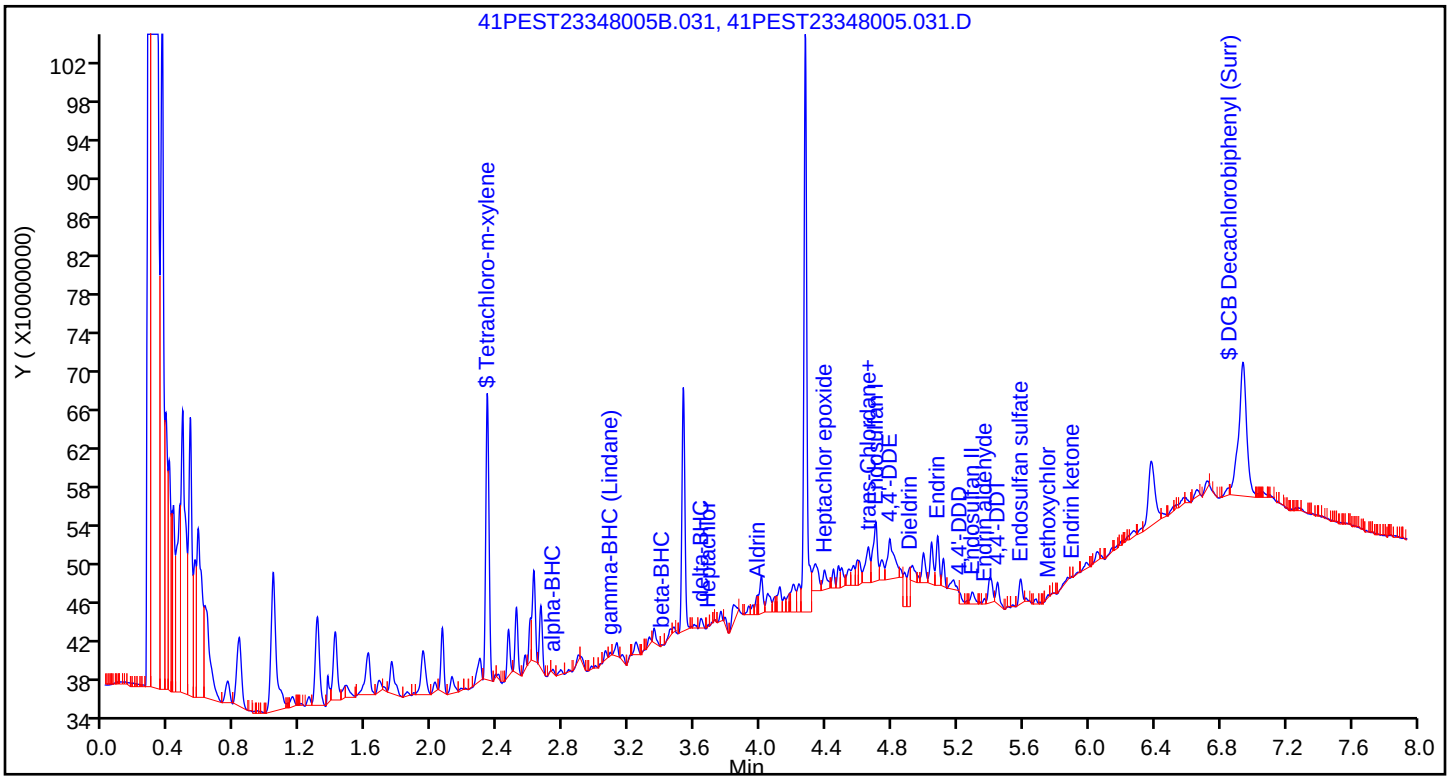
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Injection Date:	20-Dec-2023 09:43:00	Instrument ID:	9147		
Lims ID:	410-154654-A-4-A	Lab Sample ID:	410-154654-4		
Client ID:	MW-5-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.031.D				
Lims ID:	410-154654-A-4-A				
Client ID:	MW-5-F-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 09:43:00	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-4-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:14:33		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	7.04	46.86
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	2.67	17.77

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	7.45	49.61
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	2.98	19.85

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-5-F-20231212
Lab Sample ID: 410-154654-4

Matrix: Water
Lab File ID: 41PEST23348005.031.D

Analysis Method: 8081B
Date Collected: 12/12/2023 10:36

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250.3(mL)
Date Analyzed: 12/20/2023 09:43

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	ND		0.020	0.0030
72-54-8	p,p'-DDD	ND		0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	20	cn	20-149
877-09-8	Tetrachloro-m-xylene (Surr)	50		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.031.D
Lims ID: 410-154654-A-4-A
Client ID: MW-5-F-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 09:43:00 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-4-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:14:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.773	1.778	-0.005	575730567	H 7.04	
2	2.333	2.340	-0.007	295284619	H 7.45	
					RPD = 5.69	
2 alpha-BHC						
1	2.388	2.363	0.025	33865326	H 0.2654	
2	2.733	2.750	-0.017	3649380	H 0.0251	
					RPD = 165.46	
4 gamma-BHC (Lindane)						
1	2.710	2.732	-0.022	2896711	H 0.0235	
2	3.083	3.088	-0.005	3107269	H 0.0210	
					RPD = 11.02	
5 beta-BHC						
1	2.977	2.982	-0.005	751188	H 0.0142	
2	3.398	3.375	0.023	1029416	H 0.0177	
					RPD = 22.28	
7 delta-BHC						
1	3.263	3.268	-0.005	633603	H 0.004510	
2	3.637	3.628	0.009	10551625	H 0.0581	
					RPD = 171.18	
8 Heptachlor						
1	3.085	3.090	-0.005	962851	H 0.008758	
2	3.680	3.688	-0.008	2754488	H 0.0161	
					RPD = 59.28	
9 Aldrin						
1	3.383	3.400	-0.017	5486741	H 0.0440	
2	3.983	3.988	-0.005	19107556	H 0.1108	
					RPD = 86.40	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						M
1	3.905	3.910	-0.005	9118168H	0.0742	
2	4.388	4.375	0.013	19936695H	0.1286	M
					RPD = 53.61	
13 trans-Chlordane						M
1	4.113	4.113	0.000	17617908H	0.1372	
2	4.657	4.640	0.017	36401315H	0.2600	M
					RPD = 61.85	
14 cis-Chlordane						
1		4.197			ND	
2		4.680				
15 Endosulfan I						M
1	4.232	4.242	-0.010	16688750H	0.1411	
2	4.702	4.710	-0.008	61251408H	0.4530	M
					RPD = 104.99	
16 4,4'-DDE						M
1	4.370	4.373	-0.003	16293556H	0.1150	
2	4.787	4.807	-0.020	41228534H	0.3473	M
					RPD = 100.50	
18 Dieldrin						
1	4.482	4.480	0.002	20149233H	0.1450	
2	4.910	4.915	-0.005	40058276H	0.3384	
					RPD = 80.00	
19 Endrin						M
1	4.723	4.733	-0.010	24406954H	0.1933	
2	5.078	5.093	-0.015	51170311H	0.5806	M
					RPD = 100.08	
21 Toxaphene						MU
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.845	4.835	0.010	35535363H	0.2960	
2	5.212	5.208	0.004	11992974H	0.2171	
					RPD = 30.72	
23 Endosulfan II						
1	4.948	4.942	0.006	25046748H	0.2021	
2	5.288	5.298	-0.010	11751501H	0.1897	
					RPD = 6.35	
25 Endrin aldehyde						
1	5.132	5.117	0.015	16370737H	0.1612	
2	5.363	5.380	-0.017	4592344H	0.0988	
					RPD = 47.99	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.037	5.043	-0.006	44226457	0.4196	H
2	5.443	5.437	0.006	22869343	0.6590	H
					RPD = 44.40	
27 Endosulfan sulfate						
1	5.277	5.267	0.010	12476084	0.1058	H
2	5.583	5.592	-0.009	25419583	0.5169	H
					RPD = 132.06	
28 Methoxychlor						
1	5.552	5.543	0.009	4651031	0.0863	H
2	5.752	5.762	-0.010	2776610	0.1512	H
					RPD = 54.64	
29 Endrin ketone						
1	5.710	5.702	0.008	16017226	0.1176	H
2	5.897	5.897	0.000	1026606	0.0173	H
					RPD = 148.66	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.445	6.450	-0.005	323138723	2.67	H
2	6.938	6.945	-0.007	136354903	2.98	H
					RPD = 11.04	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 20-Dec-2023 12:19:07 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.031.D

Injection Date: 20-Dec-2023 09:43:00 Instrument ID: 9147

Lims ID: 410-154654-A-4-A Lab Sample ID: 410-154654-4

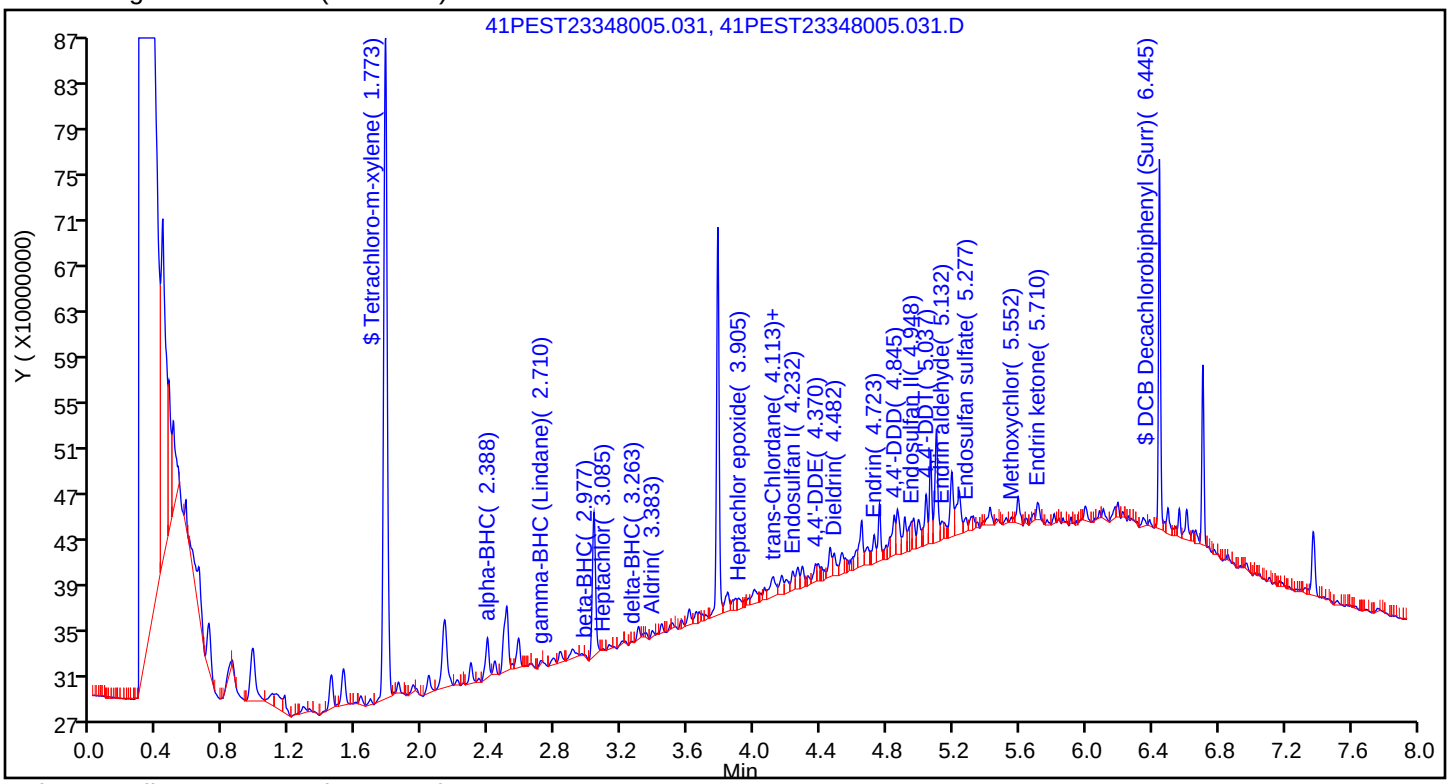
Client ID: MW-5-F-20231212

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

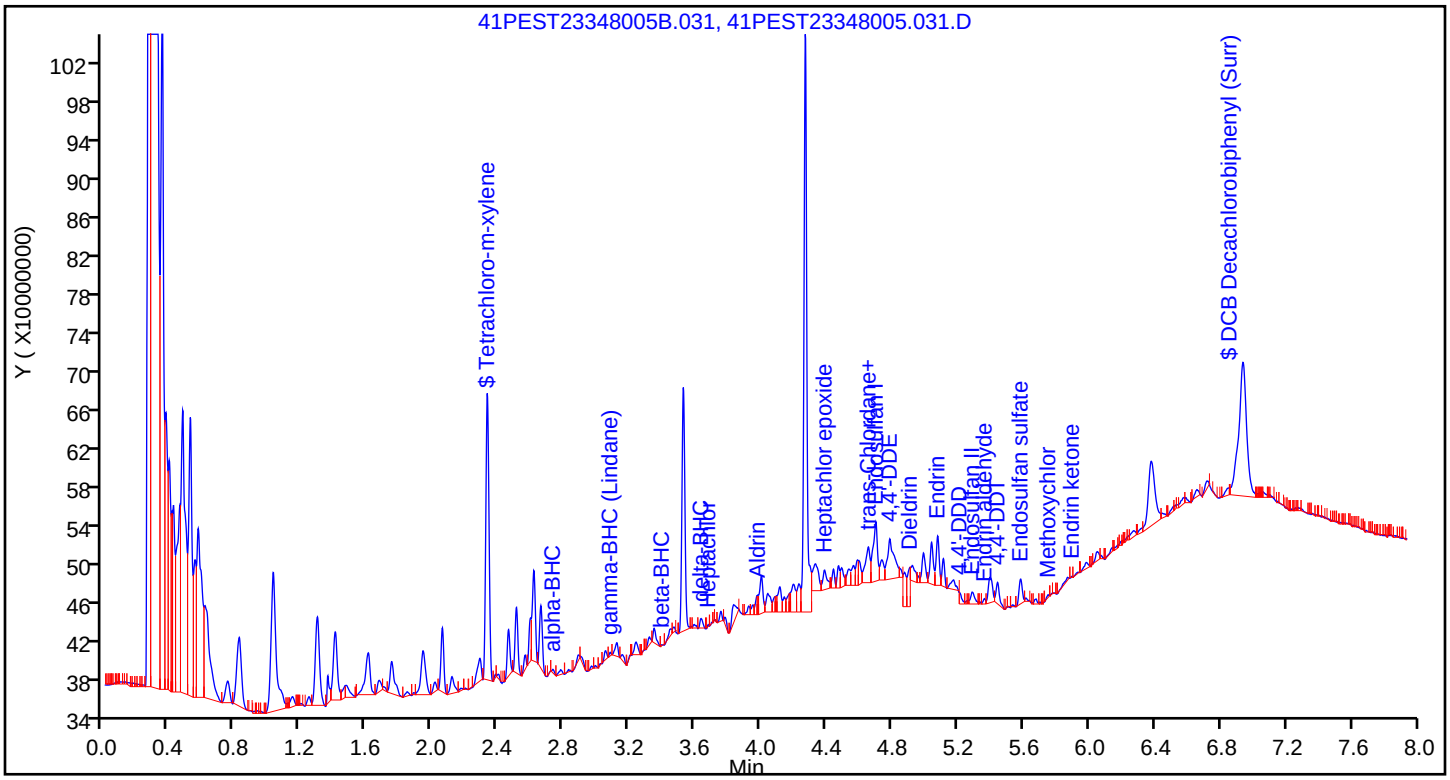
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.031.D				
Lims ID:	410-154654-A-4-A				
Client ID:	MW-5-F-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 09:43:00	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-4-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:14:33		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	7.04	46.86
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	2.67	17.77

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	7.45	49.61
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	2.98	19.85

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

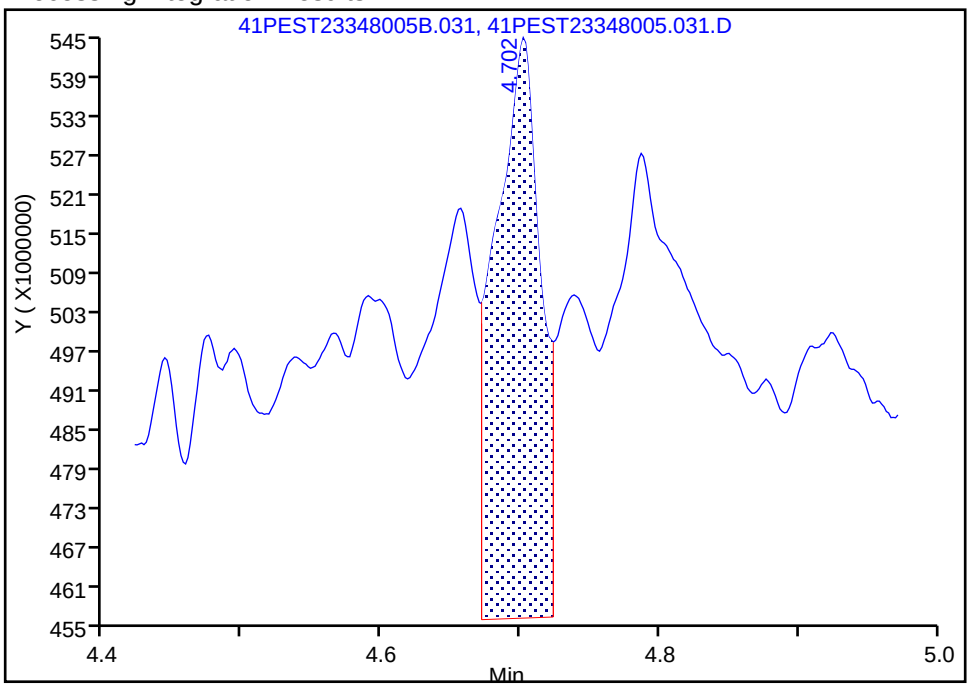
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Injection Date:	20-Dec-2023 09:43:00	Instrument ID:	9147		
Lims ID:	410-154654-A-4-A	Lab Sample ID:	410-154654-4		
Client ID:	MW-5-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

15 Endosulfan I, CAS: 959-98-8

Signal: 1

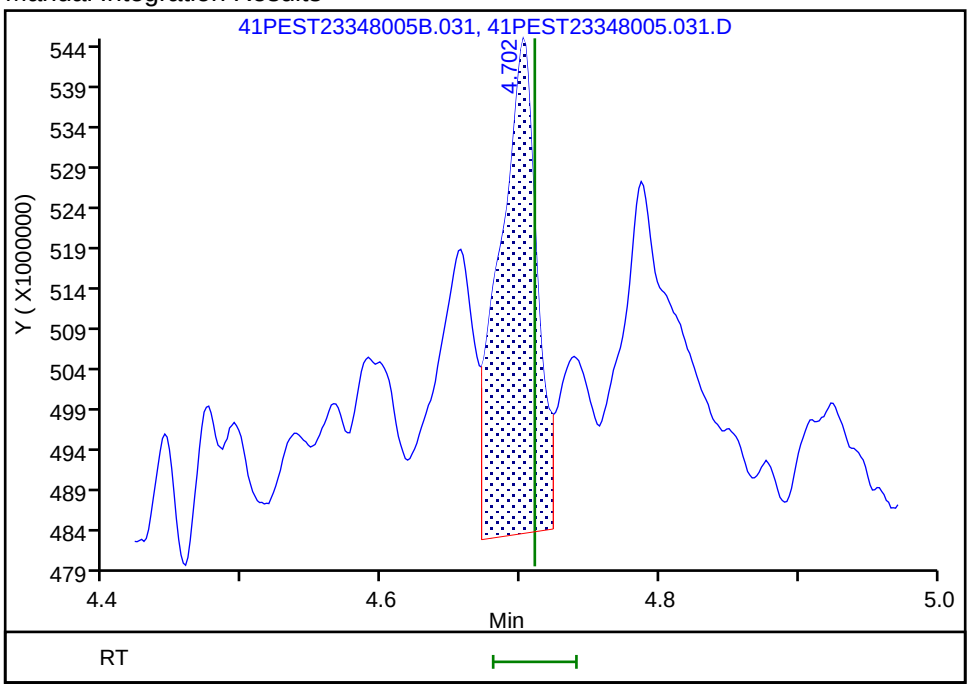
RT: 4.70
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Amount: 0.657241
Amount Units: ug/l

Processing Integration Results



RT: 4.70
Height: 61251408
Amount: 0.453026
Amount Units: ug/l

Manual Integration Results



Reviewer: UAMZ, 20-Dec-2023 12:14:22 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

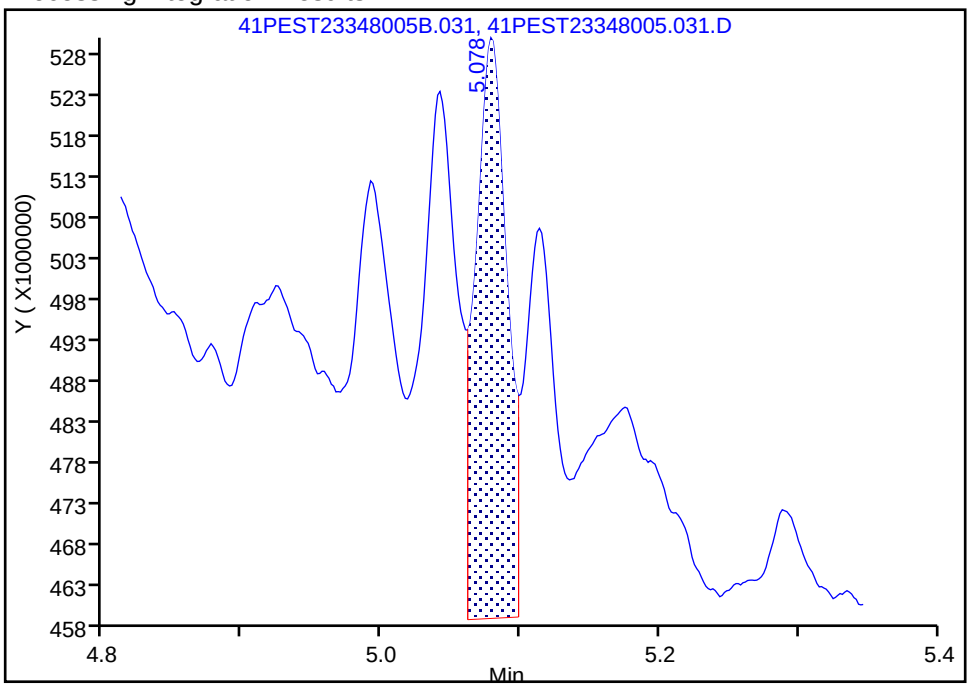
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Injection Date:	20-Dec-2023 09:43:00	Instrument ID:	9147		
Lims ID:	410-154654-A-4-A	Lab Sample ID:	410-154654-4		
Client ID:	MW-5-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

19 Endrin, CAS: 72-20-8

Signal: 1

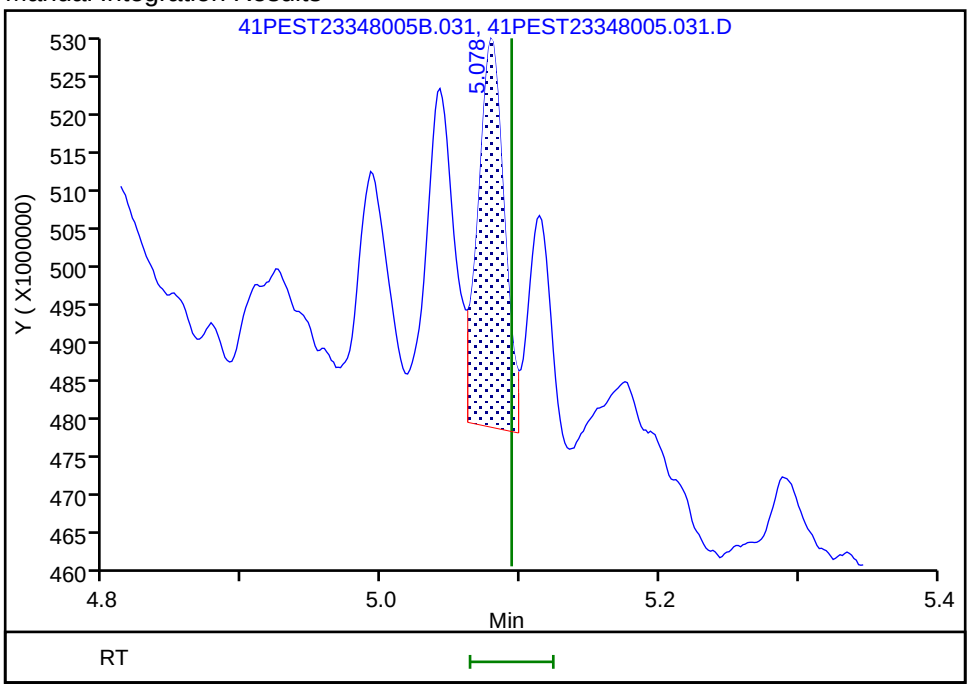
Processing Integration Results

RT: 5.08
Height: 71132628
Amount: 0.807162
Amount Units: ug/l



Manual Integration Results

RT: 5.08
Height: 51170311
Amount: 0.580644
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:14:24 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

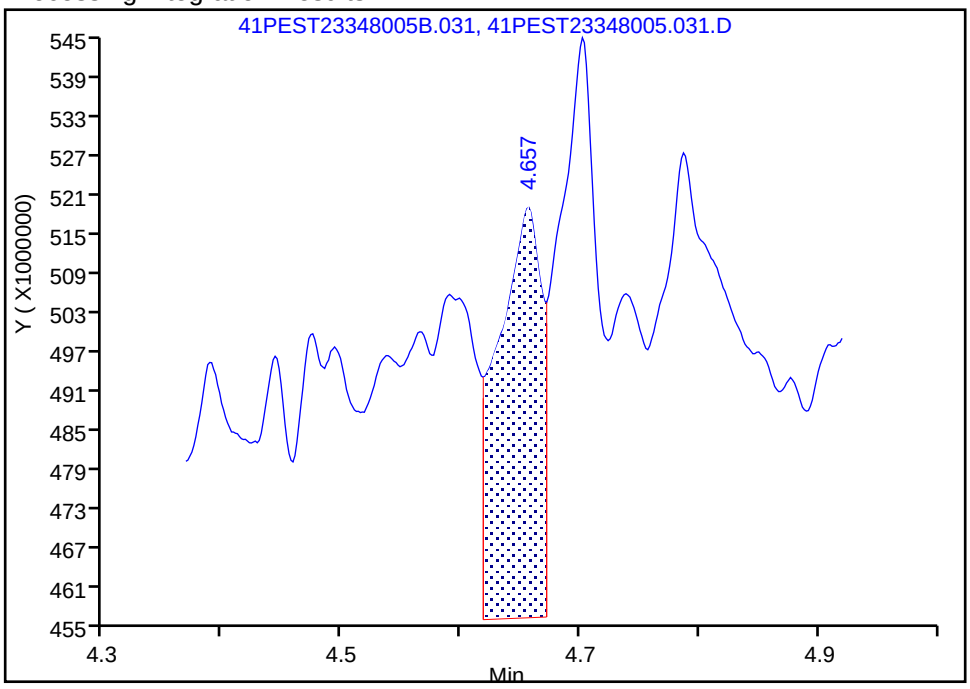
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.031.D				
Injection Date:	20-Dec-2023 09:43:00	Instrument ID:	9147		
Lims ID:	410-154654-A-4-A	Lab Sample ID:	410-154654-4		
Client ID:	MW-5-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

13 trans-Chlordane, CAS: 5103-74-2

Signal: 1

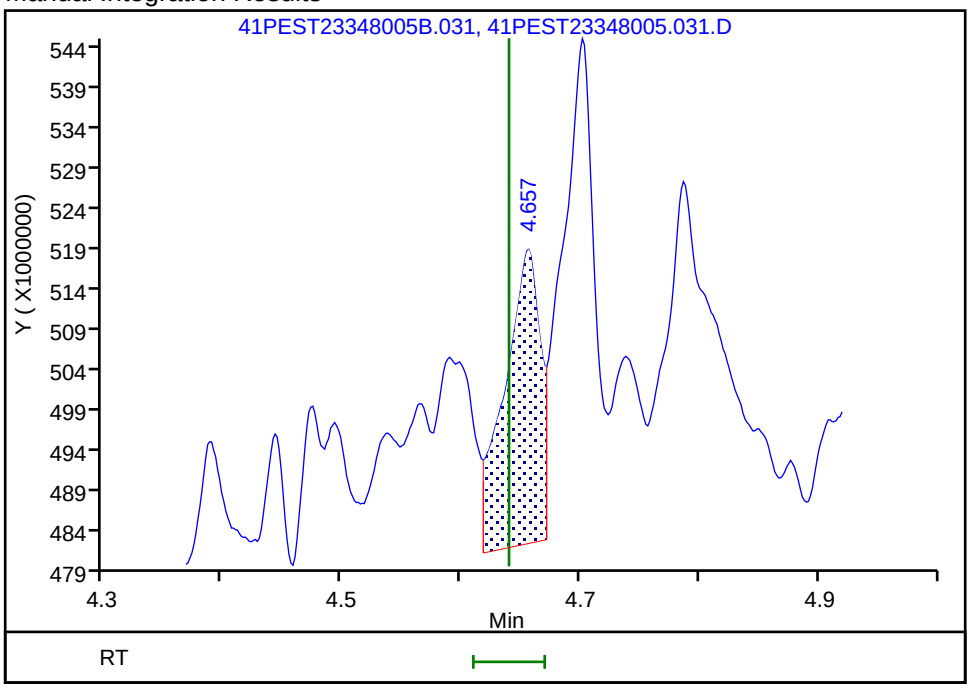
Processing Integration Results

RT: 4.66
Height: 63133525
Amount: 0.450928
Amount Units: ug/l



Manual Integration Results

RT: 4.66
Height: 36401315
Amount: 0.259995
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:14:22 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

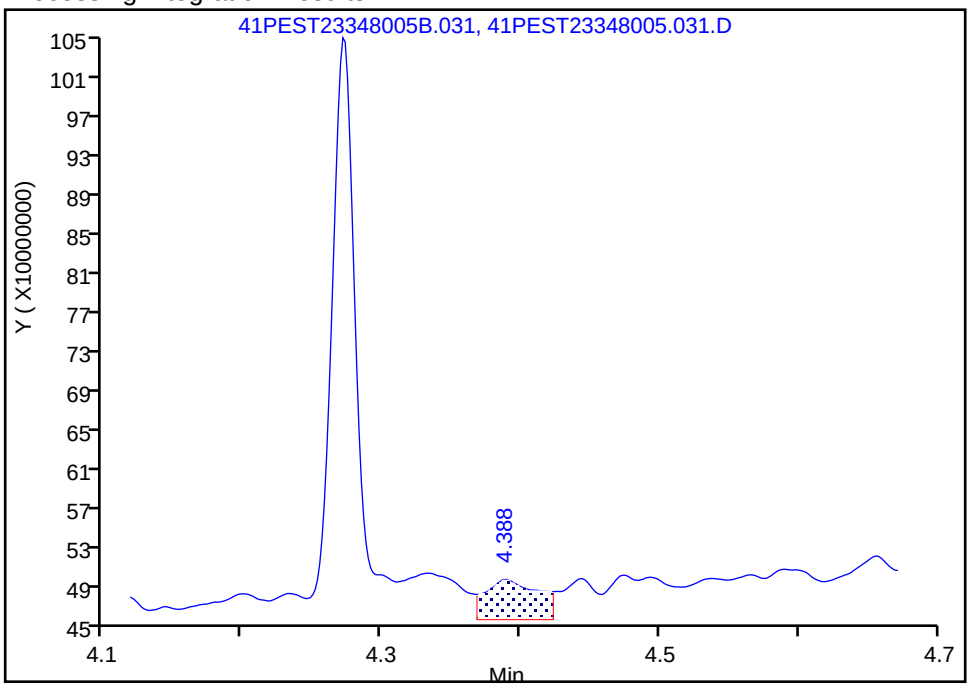
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Injection Date:	20-Dec-2023 09:43:00	Instrument ID:	9147		
Lims ID:	410-154654-A-4-A	Lab Sample ID:	410-154654-4		
Client ID:	MW-5-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

11 Heptachlor epoxide, CAS: 1024-57-3

Signal: 1

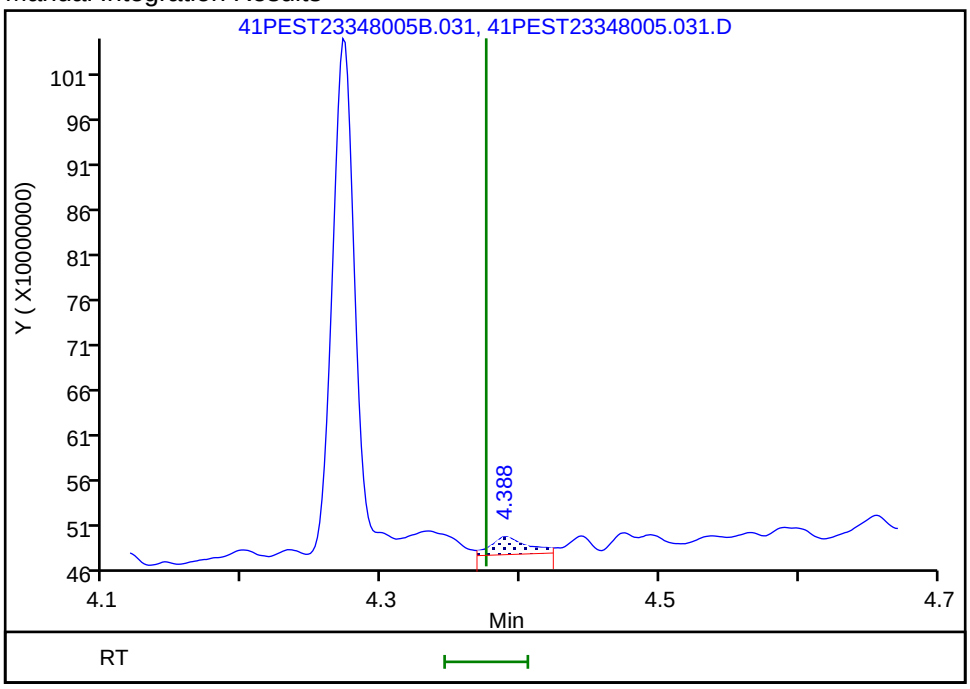
Processing Integration Results

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Amount Units: ug/l



Manual Integration Results

RT: 4.39
Height: 19936695
Amount: 0.128609
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:14:22 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

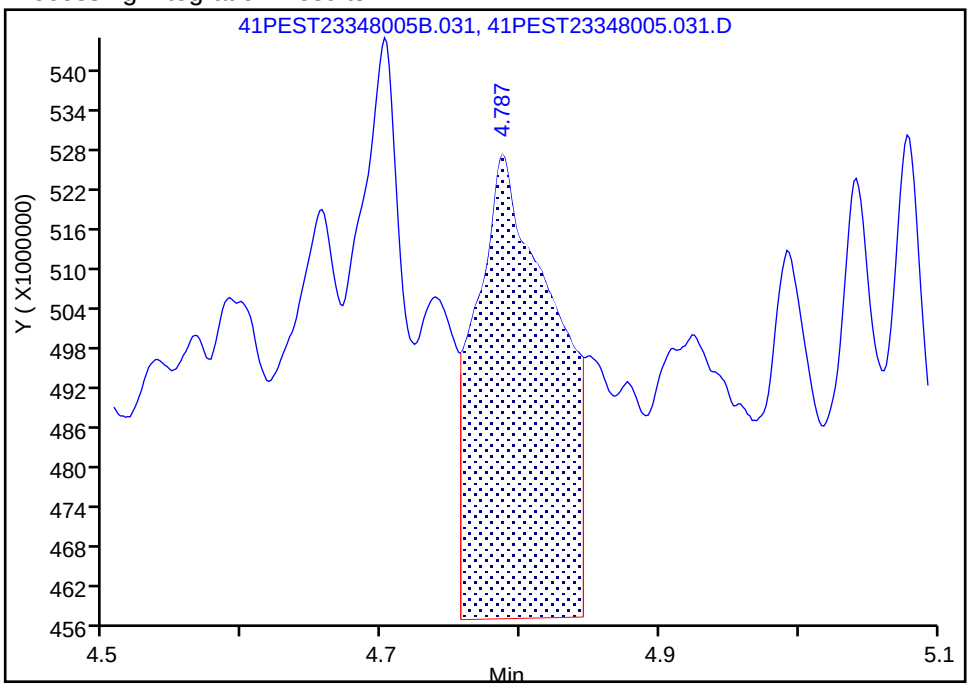
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.031.D				
Injection Date:	20-Dec-2023 09:43:00	Instrument ID:	9147		
Lims ID:	410-154654-A-4-A	Lab Sample ID:	410-154654-4		
Client ID:	MW-5-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

16 4,4'-DDE, CAS: 72-55-9

Signal: 1

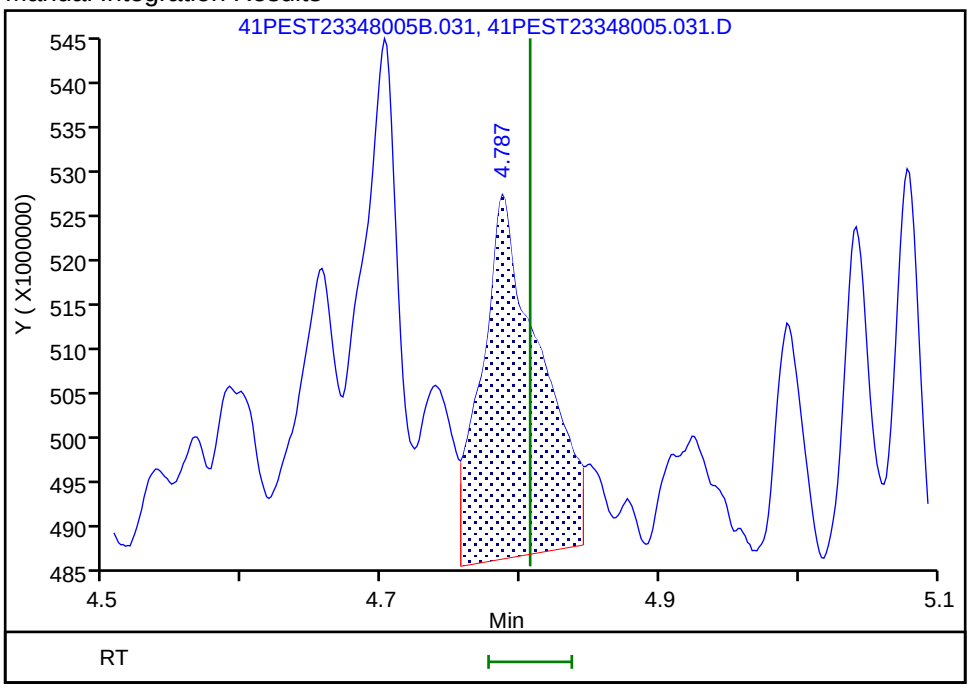
Processing Integration Results

RT: 4.79
Height: 70499221
Amount: 0.593865
Amount Units: ug/l



Manual Integration Results

RT: 4.79
Height: 41228534
Amount: 0.347297
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:14:22 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-4-UF-20231212
Lab Sample ID: 410-154654-5

Matrix: Water
Lab File ID: 41PEST23348005.032.D

Analysis Method: 8081B
Date Collected: 12/12/2023 11:33

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 248(mL)
Date Analyzed: 12/20/2023 09:57

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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	0.0051	J p	0.020	0.0030
319-85-7	beta-BHC	ND		0.030	0.011
319-86-8	delta-BHC	ND		0.020	0.0034
60-57-1	Dieldrin	0.095		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	0.0082
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	0.0071
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	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-55-9	p,p'-DDE	ND		0.030	0.0050
50-29-3	p,p'-DDT	0.020	J	0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	42		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	64		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.032.D
Lims ID: 410-154654-A-5-A
Client ID: MW-4-UF-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 09:57:00 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-5-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:13:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.773	1.778	-0.005	791884375	H 9.68	
2	2.333	2.340	-0.007	370733129	H 9.35	
					RPD = 3.43	
2 alpha-BHC						
1		2.363			ND	
2		2.750				
4 gamma-BHC (Lindane)						
1	2.708	2.732	-0.024	6158196	H 0.0499	
2	3.083	3.088	-0.005	532775	H 0.003604	
					RPD = 173.06	
5 beta-BHC						
1	2.990	2.982	0.008	2256849	H 0.0426	
2	3.370	3.375	-0.005	1082688	H 0.0186	
					RPD = 78.19	
7 delta-BHC						
1	3.275	3.268	0.007	5444247	H 0.0388	
2	3.643	3.628	0.015	4038891	H 0.0222	
					RPD = 54.19	
8 Heptachlor						
1	3.085	3.090	-0.005	995061	H 0.009051	
2	3.707	3.688	0.019	6335923	H 0.0371	
					RPD = 121.59	
9 Aldrin						
1	3.410	3.400	0.010	404086	H 0.003237	
2	4.002	3.988	0.014	22033904	H 0.1278	
					RPD = 190.12	
11 Heptachlor epoxide						
1	3.910	3.910	0.000	7018747	H 0.0571	
2	4.368	4.375	-0.007	22356985	H 0.1442	
					RPD = 86.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.108	4.113	-0.005	28464363H	0.2216	
2	4.650	4.640	0.010	80902392H	0.5778	
					RPD = 89.11	
14 cis-Chlordane						
1	4.192	4.197	-0.005	32434337H	0.2545	
2	4.675	4.680	-0.005	58523432H	0.4240	
					RPD = 49.96	
15 Endosulfan I						
1	4.242	4.242	0.000	13034234H	0.1102	
2	4.710	4.710	0.000	38047214H	0.2814	
					RPD = 87.43	
16 4,4'-DDE						
1	4.368	4.373	-0.005	11665216H	0.0823	
2	4.803	4.807	-0.004	21004194H	0.1769	
					RPD = 72.98	
18 Dieldrin						
1	4.475	4.480	-0.005	657354379H	4.73	
2	4.910	4.915	-0.005	533062597H	4.50	
					RPD = 4.94	
19 Endrin						
1	4.728	4.733	-0.005	17304597H	0.1371	
2	5.090	5.093	-0.003	246032H	0.002792	
					RPD = 192.02	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.845	4.835	0.010	147667573H	1.23	
2	5.203	5.208	-0.005	13681180H	0.2477	
					RPD = 132.94	
23 Endosulfan II						
1	4.945	4.942	0.003	25172953H	0.2032	
2	5.288	5.298	-0.010	2039053H	0.0329	
					RPD = 144.23	
25 Endrin aldehyde						
1	5.098	5.117	-0.019	49028725H	0.4828	
2	5.365	5.380	-0.015	1160398H	0.0250	
					RPD = 180.33	
26 4,4'-DDT						
1	5.040	5.043	-0.003	104099581H	0.9876	
2	5.435	5.437	-0.002	28803471H	0.8300	
					RPD = 17.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.272	5.267	0.005	5881227	0.0499	H
2	5.580	5.592	-0.012	21440541	0.4360	H
					RPD = 158.95	
28 Methoxychlor						
1	5.537	5.543	-0.006	5912784	0.1097	H
2	5.758	5.762	-0.004	687670	0.0374	H
					RPD = 98.23	
29 Endrin ketone						
1	5.698	5.702	-0.004	12922165	0.0949	H
2	5.900	5.897	0.003	490950	0.008282	H
					RPD = 167.89	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.445	6.450	-0.005	757264152	6.25	H
2	6.938	6.945	-0.007	336842142	7.36	H
					RPD = 16.29	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

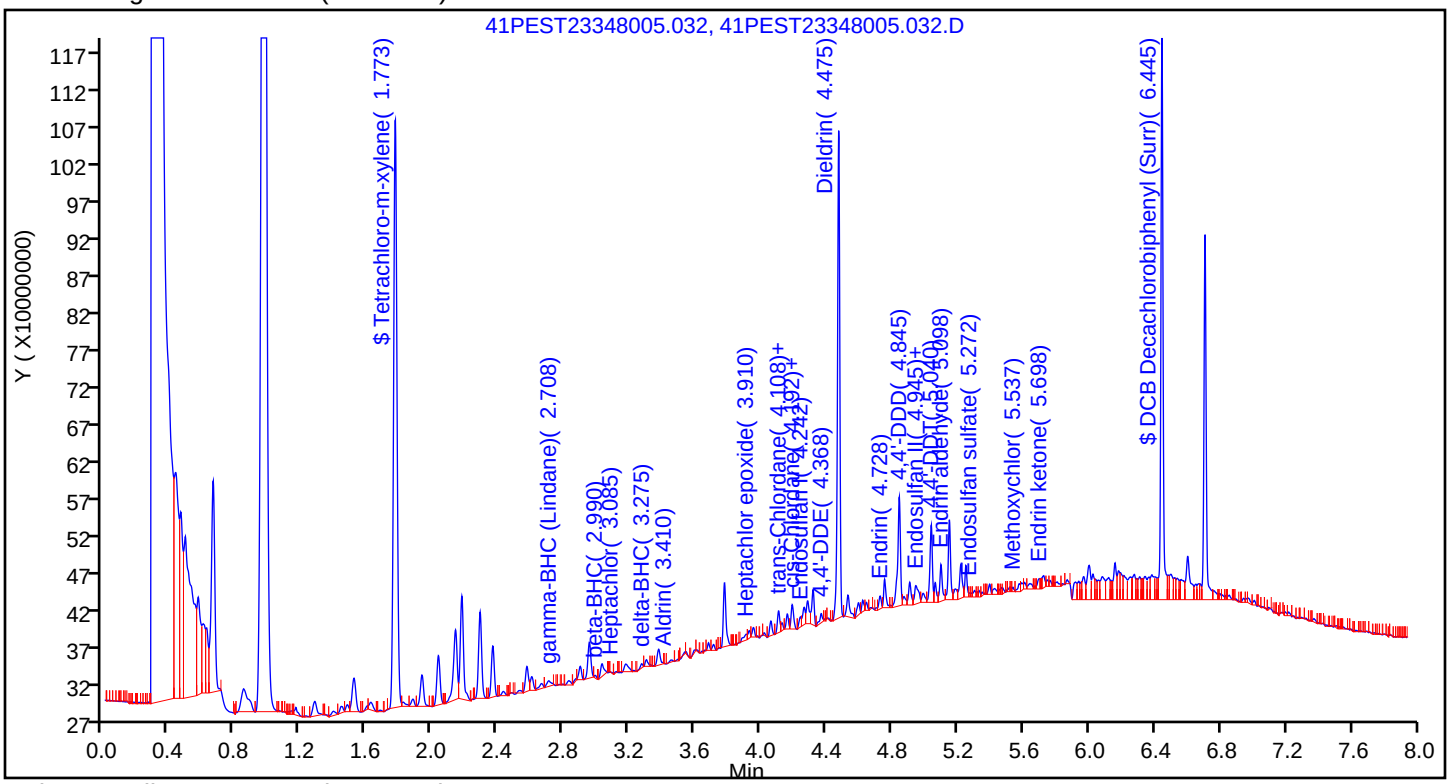
Report Date: 20-Dec-2023 12:13:39 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

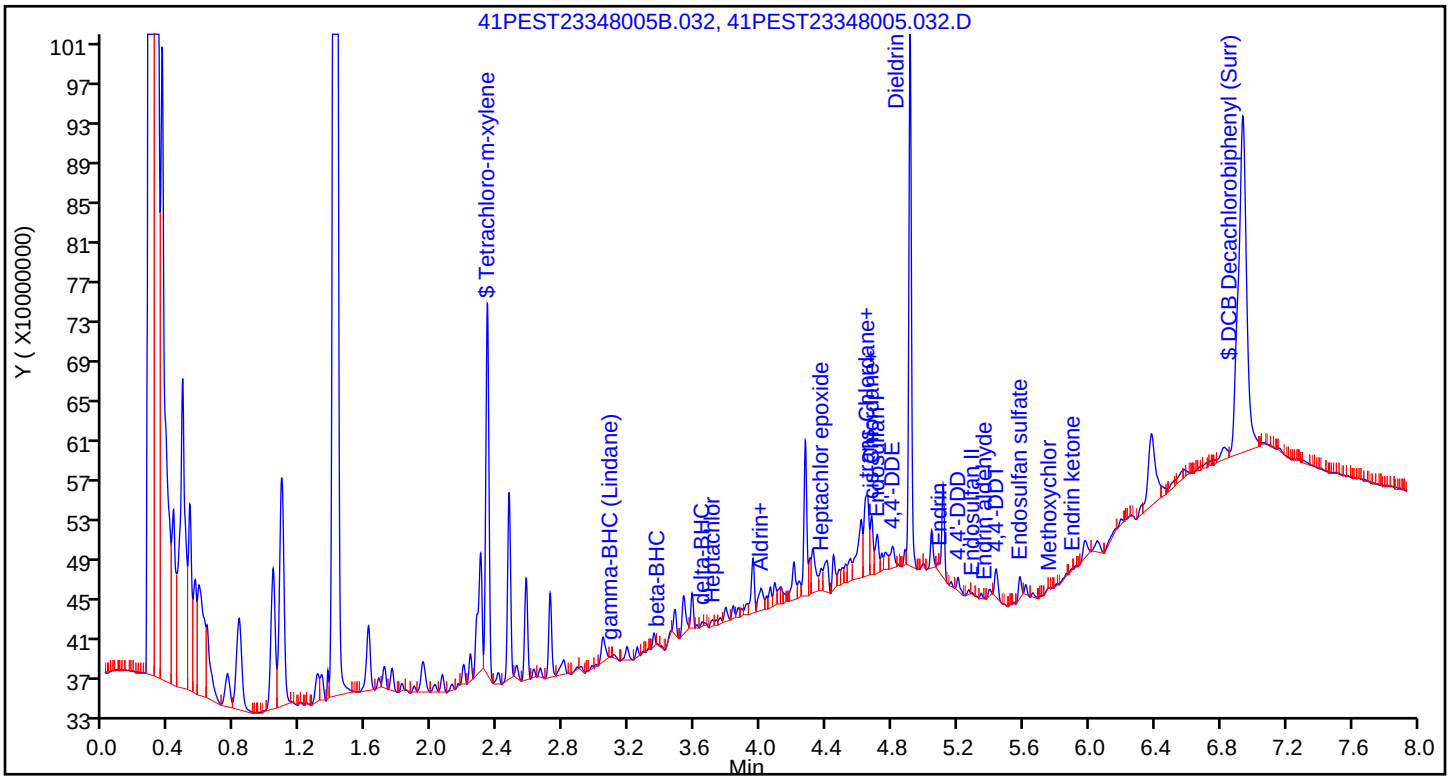
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Injection Date:	20-Dec-2023 09:57:00	Instrument ID:	9147		
Lims ID:	410-154654-A-5-A	Lab Sample ID:	410-154654-5		
Client ID:	MW-4-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.032.D				
Lims ID:	410-154654-A-5-A				
Client ID:	MW-4-UF-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 09:57:00	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-5-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:13:28		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.68	64.45
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	6.25	41.64

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.35	62.28
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	7.36	49.03

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-4-UF-20231212
Lab Sample ID: 410-154654-5

Matrix: Water
Lab File ID: 41PEST23348005.032.D

Analysis Method: 8081B
Date Collected: 12/12/2023 11:33

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 248(mL)
Date Analyzed: 12/20/2023 09:57

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	p,p'-DDD	0.0050	J p	0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	49		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	62		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.032.D
Lims ID: 410-154654-A-5-A
Client ID: MW-4-UF-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 09:57:00 ALS Bottle#: 0 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-5-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:13:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.773	1.778	-0.005	791884375	9.68	H
2	2.333	2.340	-0.007	370733129	9.35	H
					RPD = 3.43	
2 alpha-BHC						
1		2.363			ND	
2		2.750				
4 gamma-BHC (Lindane)						
1	2.708	2.732	-0.024	6158196	0.0499	H
2	3.083	3.088	-0.005	532775	0.003604	H
					RPD = 173.06	
5 beta-BHC						
1	2.990	2.982	0.008	2256849	0.0426	H
2	3.370	3.375	-0.005	1082688	0.0186	H
					RPD = 78.19	
7 delta-BHC						
1	3.275	3.268	0.007	5444247	0.0388	H
2	3.643	3.628	0.015	4038891	0.0222	H
					RPD = 54.19	
8 Heptachlor						
1	3.085	3.090	-0.005	995061	0.009051	H
2	3.707	3.688	0.019	6335923	0.0371	H
					RPD = 121.59	
9 Aldrin						
1	3.410	3.400	0.010	404086	0.003237	H
2	4.002	3.988	0.014	22033904	0.1278	H
					RPD = 190.12	
11 Heptachlor epoxide						
1	3.910	3.910	0.000	7018747	0.0571	H
2	4.368	4.375	-0.007	22356985	0.1442	H
					RPD = 86.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						
1	4.108	4.113	-0.005	28464363H	0.2216	
2	4.650	4.640	0.010	80902392H	0.5778	
					RPD = 89.11	
14 cis-Chlordane						
1	4.192	4.197	-0.005	32434337H	0.2545	
2	4.675	4.680	-0.005	58523432H	0.4240	
					RPD = 49.96	
15 Endosulfan I						
1	4.242	4.242	0.000	13034234H	0.1102	
2	4.710	4.710	0.000	38047214H	0.2814	
					RPD = 87.43	
16 4,4'-DDE						
1	4.368	4.373	-0.005	11665216H	0.0823	
2	4.803	4.807	-0.004	21004194H	0.1769	
					RPD = 72.98	
18 Dieldrin						
1	4.475	4.480	-0.005	657354379H	4.73	
2	4.910	4.915	-0.005	533062597H	4.50	
					RPD = 4.94	
19 Endrin						
1	4.728	4.733	-0.005	17304597H	0.1371	
2	5.090	5.093	-0.003	246032H	0.002792	
					RPD = 192.02	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.845	4.835	0.010	147667573H	1.23	
2	5.203	5.208	-0.005	13681180H	0.2477	
					RPD = 132.94	
23 Endosulfan II						
1	4.945	4.942	0.003	25172953H	0.2032	
2	5.288	5.298	-0.010	2039053H	0.0329	
					RPD = 144.23	
25 Endrin aldehyde						
1	5.098	5.117	-0.019	49028725H	0.4828	
2	5.365	5.380	-0.015	1160398H	0.0250	
					RPD = 180.33	
26 4,4'-DDT						
1	5.040	5.043	-0.003	104099581H	0.9876	
2	5.435	5.437	-0.002	28803471H	0.8300	
					RPD = 17.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.272	5.267	0.005	5881227	0.0499	H
2	5.580	5.592	-0.012	21440541	0.4360	H
					RPD = 158.95	
28 Methoxychlor						
1	5.537	5.543	-0.006	5912784	0.1097	H
2	5.758	5.762	-0.004	687670	0.0374	H
					RPD = 98.23	
29 Endrin ketone						
1	5.698	5.702	-0.004	12922165	0.0949	H
2	5.900	5.897	0.003	490950	0.008282	H
					RPD = 167.89	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.445	6.450	-0.005	757264152	6.25	H
2	6.938	6.945	-0.007	336842142	7.36	H
					RPD = 16.29	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

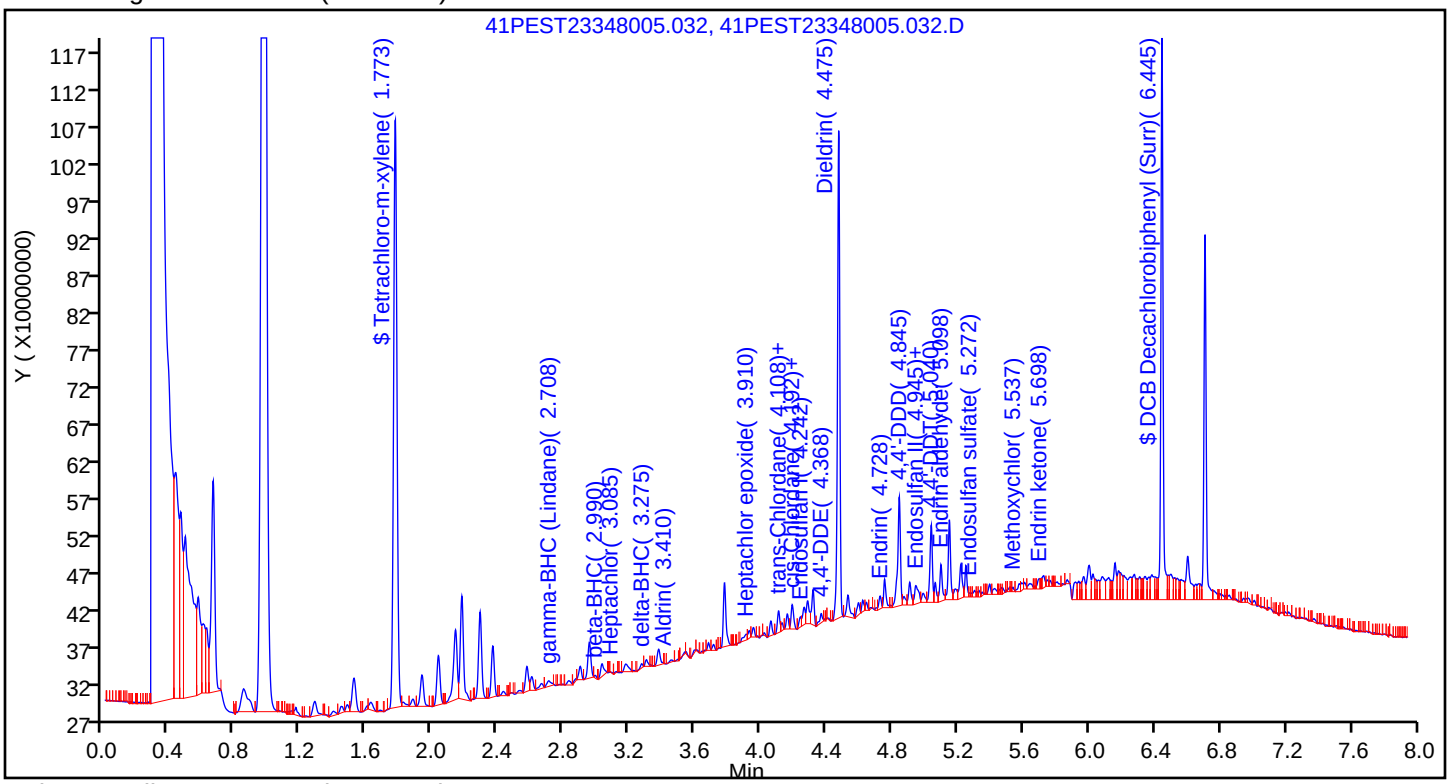
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Eurofins Lancaster Laboratories Environment Testing, LLC

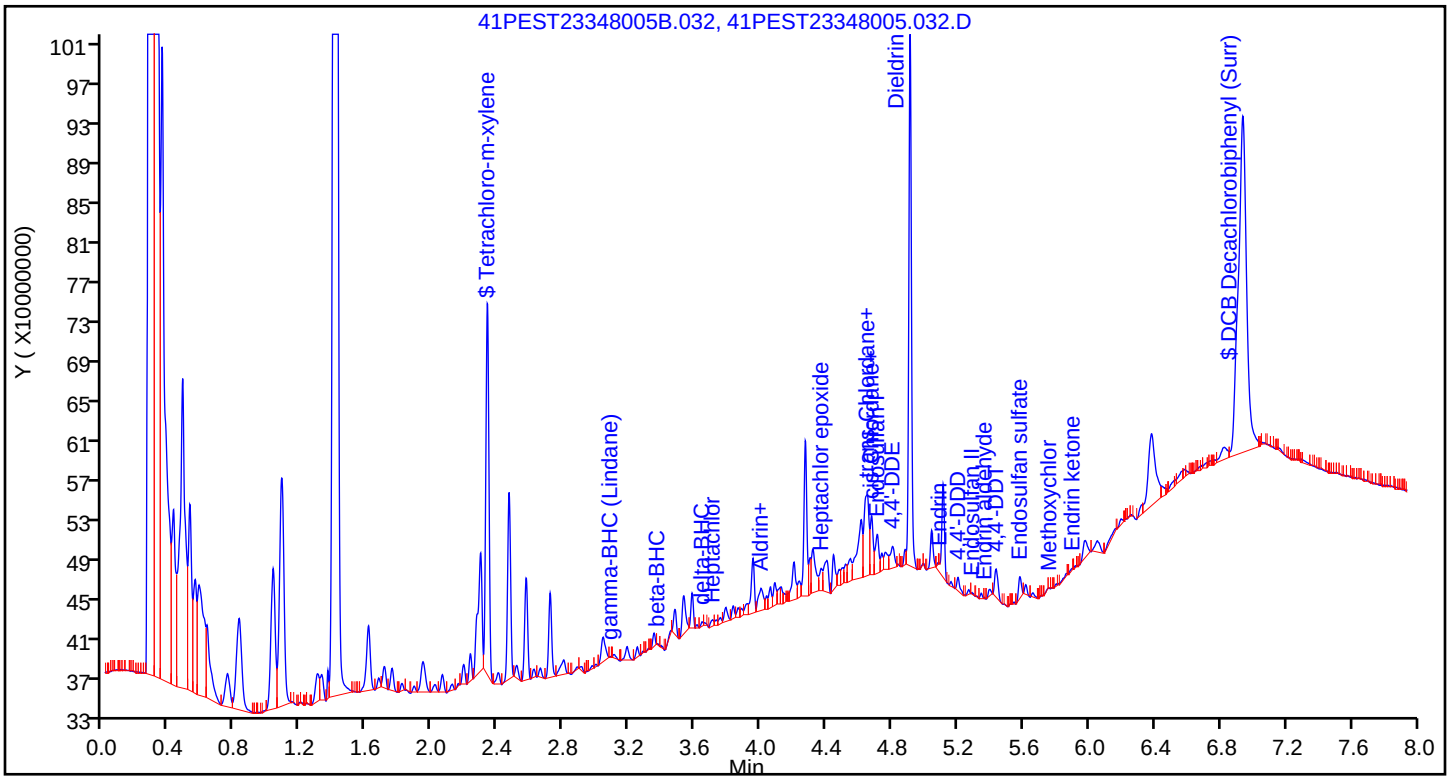
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Injection Date:	20-Dec-2023 09:57:00	Instrument ID:	9147		
Lims ID:	410-154654-A-5-A	Lab Sample ID:	410-154654-5		
Client ID:	MW-4-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.032.D				
Lims ID:	410-154654-A-5-A				
Client ID:	MW-4-UF-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 09:57:00	ALS Bottle#:	0	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-5-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:13:28		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.68	64.45
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	6.25	41.64

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.35	62.28
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	7.36	49.03

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-4-F-20231212
Lab Sample ID: 410-154654-6

Matrix: Water
Lab File ID: 41PEST23348005.033.D

Analysis Method: 8081B
Date Collected: 12/12/2023 11:38

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250.4(mL)
Date Analyzed: 12/20/2023 10:11

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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
319-85-7	beta-BHC	ND		0.030	0.011
319-86-8	delta-BHC	ND		0.020	0.0034
60-57-1	Dieldrin	0.026	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)	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)	64		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	79		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.033.D
Lims ID: 410-154654-A-6-A
Client ID: MW-4-F-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 10:11:00 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-6-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:13:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.778	1.778	0.000	976336416	H 11.9	
2	2.335	2.340	-0.005	450297358	H 11.4	
					RPD = 4.93	
2 alpha-BHC						
1		2.363			ND	
2		2.750				
4 gamma-BHC (Lindane)						
1	2.717	2.732	-0.015	2040567	H 0.0165	
2	3.102	3.088	0.014	1044447	H 0.007065	
					RPD = 80.25	
5 beta-BHC						
1	2.997	2.982	0.015	10937185	H 0.2063	
2	3.378	3.375	0.003	1600105	H 0.0275	
					RPD = 152.88	
7 delta-BHC						
1	3.283	3.268	0.015	4856102	H 0.0346	
2	3.608	3.628	-0.020	4436610	H 0.0244	
					RPD = 34.40	
8 Heptachlor						
1	3.085	3.090	-0.005	1703421	H 0.0155	
2	3.697	3.688	0.009	1719210	H 0.0101	
					RPD = 42.42	
9 Aldrin						
1	3.413	3.400	0.013	273524	H 0.002191	
2	3.982	3.988	-0.006	2540429	H 0.0147	
					RPD = 148.21	
11 Heptachlor epoxide						
1	3.903	3.910	-0.007	8420551	H 0.0686	
2	4.368	4.375	-0.007	25580507	H 0.1650	
					RPD = 82.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						M
1	4.113	4.113	0.000	15601915H	0.1215	
2	4.653	4.640	0.013	57815601H	0.4129	M
					RPD = 109.08	
14 cis-Chlordane						M
1	4.197	4.197	0.000	18263391H	0.1433	
2	4.677	4.680	-0.003	27762618H	0.2011	M
					RPD = 33.58	
15 Endosulfan I						M
1	4.245	4.242	0.003	15331164H	0.1296	
2	4.710	4.710	0.000	21272964H	0.1573	M
					RPD = 19.30	
16 4,4'-DDE						M
1	4.375	4.373	0.002	11852845H	0.0837	
2	4.810	4.807	0.003	18408814H	0.1551	M
					RPD = 59.83	
18 Dieldrin						M
1	4.480	4.480	0.000	184101949H	1.33	
2	4.912	4.915	-0.003	160071219H	1.35	M
					RPD = 2.03	
19 Endrin						
1	4.732	4.733	-0.001	10458836H	0.0829	
2	5.113	5.093	0.020	38811549H	0.4404	
					RPD = 136.66	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.850	4.835	0.015	42658063H	0.3553	
2	5.202	5.208	-0.006	8113917H	0.1469	
					RPD = 82.99	
23 Endosulfan II						
1	4.950	4.942	0.008	8568955H	0.0692	
2	5.292	5.298	-0.006	3509378H	0.0567	
					RPD = 19.88	
25 Endrin aldehyde						
1	5.127	5.117	0.010	1844579H	0.0182	
2	5.395	5.380	0.015	7137064H	0.1536	
					RPD = 157.69	
26 4,4'-DDT						
1	5.043	5.043	0.000	41327150H	0.3921	
2	5.438	5.437	0.001	8276084H	0.2385	
					RPD = 48.71	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.277	5.267	0.010	1725304	0.0146	H
2	5.582	5.592	-0.010	6337563	0.1289	H
					RPD = 159.23	
28 Methoxychlor						
1	5.540	5.543	-0.003	1020255	0.0189	H
2	5.768	5.762	0.006	604896	0.0329	H
					RPD = 54.00	
29 Endrin ketone						
1	5.703	5.702	0.001	4612864	0.0339	H
2	5.910	5.897	0.013	842584	0.0142	H
					RPD = 81.77	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.450	6.450	0.000	1155799628	9.54	H
2	6.942	6.945	-0.003	485920687	10.6	H
					RPD = 10.67	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

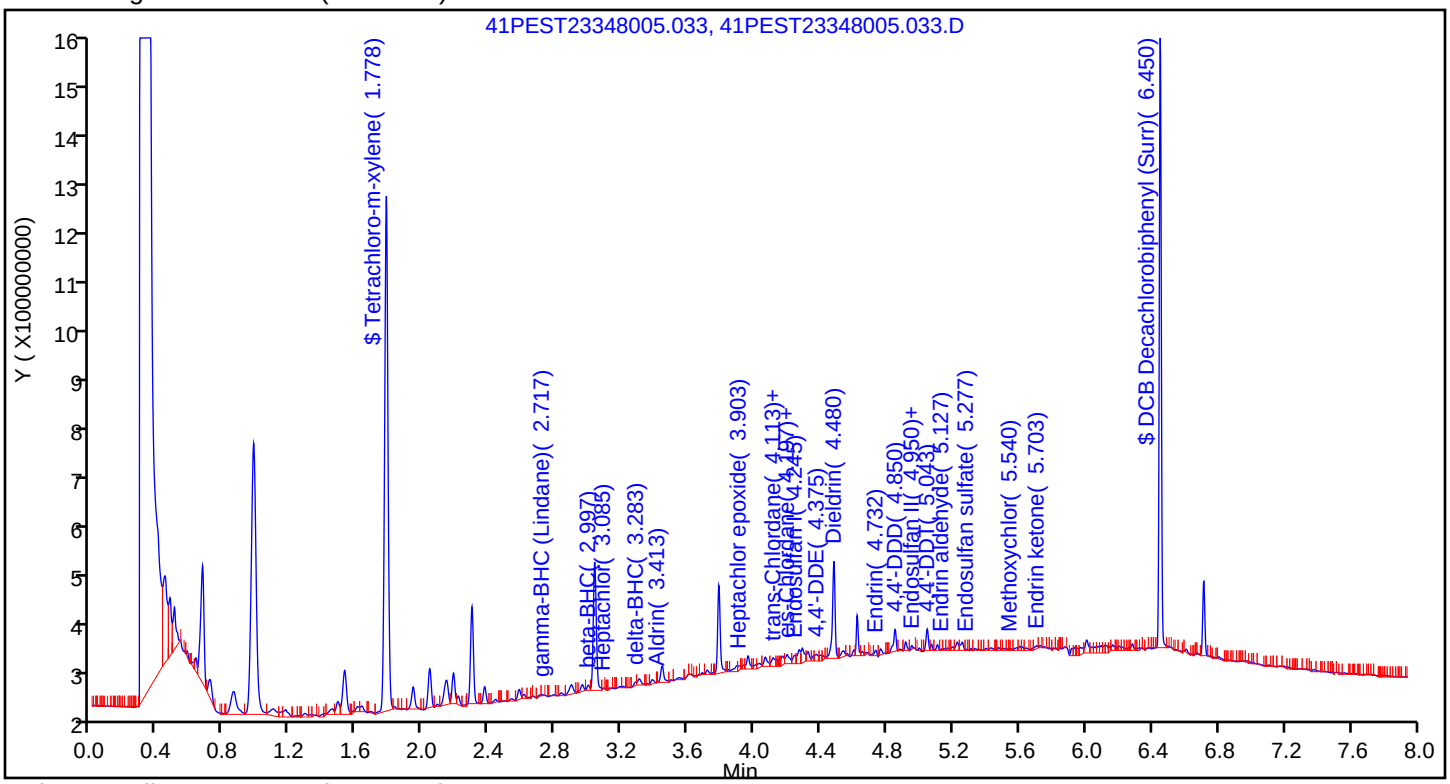
Report Date: 20-Dec-2023 12:13:41 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

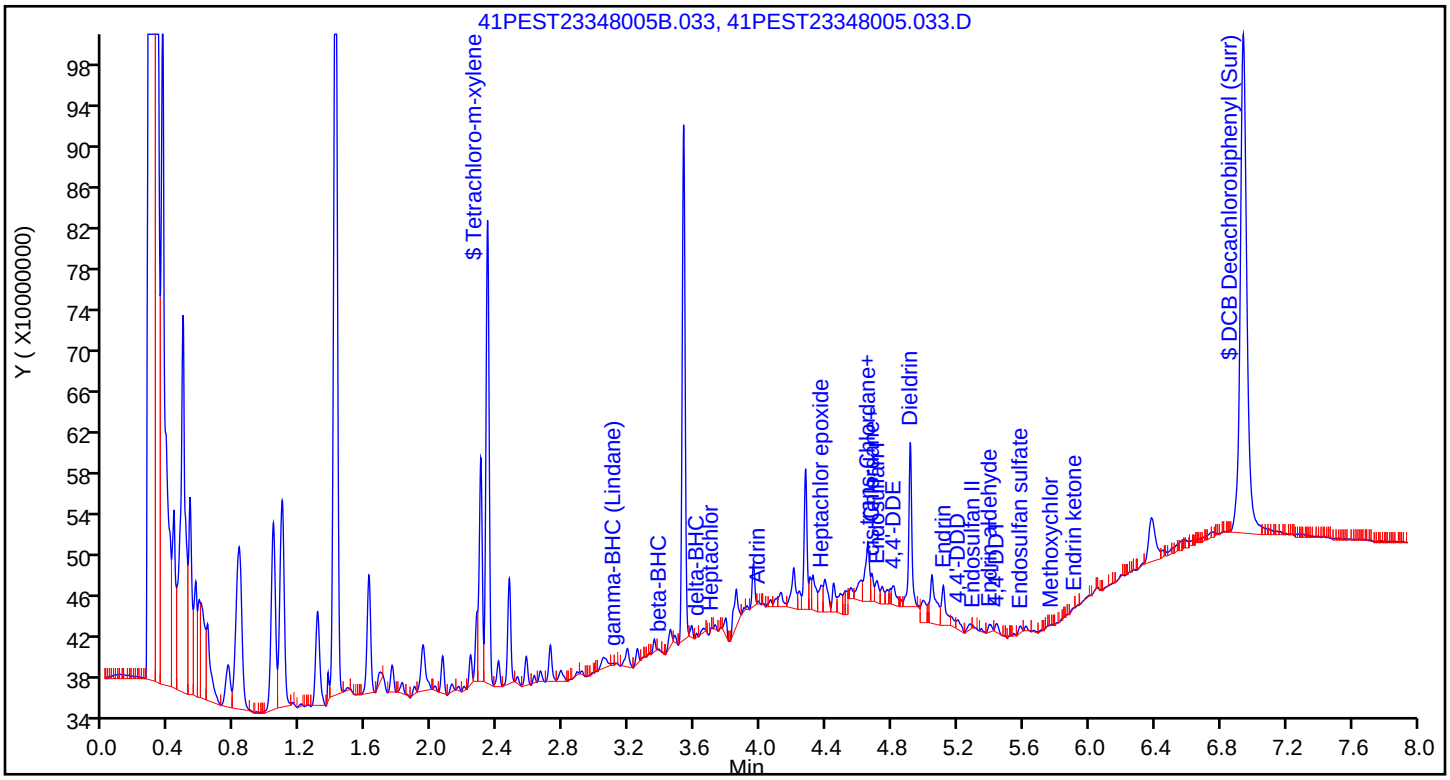
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Injection Date:	20-Dec-2023 10:11:00	Instrument ID:	9147		
Lims ID:	410-154654-A-6-A	Lab Sample ID:	410-154654-6		
Client ID:	MW-4-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.033.D				
Lims ID:	410-154654-A-6-A				
Client ID:	MW-4-F-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 10:11:00	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-6-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:13:16		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.9	79.47
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.54	63.56

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.4	75.65
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	10.6	70.73

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-4-F-20231212
Lab Sample ID: 410-154654-6

Matrix: Water
Lab File ID: 41PEST23348005.033.D

Analysis Method: 8081B
Date Collected: 12/12/2023 11:38

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250.4(mL)
Date Analyzed: 12/20/2023 10:11

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
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)	71		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	76		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.033.D
Lims ID: 410-154654-A-6-A
Client ID: MW-4-F-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 10:11:00 ALS Bottle#: 0 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-6-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:13:16

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.778	1.778	0.000	976336416	H 11.9	
2	2.335	2.340	-0.005	450297358	H 11.4	
					RPD = 4.93	
2 alpha-BHC						
1		2.363			ND	
2		2.750				
4 gamma-BHC (Lindane)						
1	2.717	2.732	-0.015	2040567	H 0.0165	
2	3.102	3.088	0.014	1044447	H 0.007065	
					RPD = 80.25	
5 beta-BHC						
1	2.997	2.982	0.015	10937185	H 0.2063	
2	3.378	3.375	0.003	1600105	H 0.0275	
					RPD = 152.88	
7 delta-BHC						
1	3.283	3.268	0.015	4856102	H 0.0346	
2	3.608	3.628	-0.020	4436610	H 0.0244	
					RPD = 34.40	
8 Heptachlor						
1	3.085	3.090	-0.005	1703421	H 0.0155	
2	3.697	3.688	0.009	1719210	H 0.0101	
					RPD = 42.42	
9 Aldrin						
1	3.413	3.400	0.013	273524	H 0.002191	
2	3.982	3.988	-0.006	2540429	H 0.0147	
					RPD = 148.21	
11 Heptachlor epoxide						
1	3.903	3.910	-0.007	8420551	H 0.0686	
2	4.368	4.375	-0.007	25580507	H 0.1650	
					RPD = 82.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
13 trans-Chlordane						M
1	4.113	4.113	0.000	15601915H	0.1215	
2	4.653	4.640	0.013	57815601H	0.4129	M
					RPD = 109.08	
14 cis-Chlordane						M
1	4.197	4.197	0.000	18263391H	0.1433	
2	4.677	4.680	-0.003	27762618H	0.2011	M
					RPD = 33.58	
15 Endosulfan I						M
1	4.245	4.242	0.003	15331164H	0.1296	
2	4.710	4.710	0.000	21272964H	0.1573	M
					RPD = 19.30	
16 4,4'-DDE						M
1	4.375	4.373	0.002	11852845H	0.0837	
2	4.810	4.807	0.003	18408814H	0.1551	M
					RPD = 59.83	
18 Dieldrin						M
1	4.480	4.480	0.000	184101949H	1.33	
2	4.912	4.915	-0.003	160071219H	1.35	M
					RPD = 2.03	
19 Endrin						
1	4.732	4.733	-0.001	10458836H	0.0829	
2	5.113	5.093	0.020	38811549H	0.4404	
					RPD = 136.66	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.850	4.835	0.015	42658063H	0.3553	
2	5.202	5.208	-0.006	8113917H	0.1469	
					RPD = 82.99	
23 Endosulfan II						
1	4.950	4.942	0.008	8568955H	0.0692	
2	5.292	5.298	-0.006	3509378H	0.0567	
					RPD = 19.88	
25 Endrin aldehyde						
1	5.127	5.117	0.010	1844579H	0.0182	
2	5.395	5.380	0.015	7137064H	0.1536	
					RPD = 157.69	
26 4,4'-DDT						
1	5.043	5.043	0.000	41327150H	0.3921	
2	5.438	5.437	0.001	8276084H	0.2385	
					RPD = 48.71	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
27 Endosulfan sulfate						
1	5.277	5.267	0.010	1725304	0.0146	H
2	5.582	5.592	-0.010	6337563	0.1289	H
					RPD = 159.23	
28 Methoxychlor						
1	5.540	5.543	-0.003	1020255	0.0189	H
2	5.768	5.762	0.006	604896	0.0329	H
					RPD = 54.00	
29 Endrin ketone						
1	5.703	5.702	0.001	4612864	0.0339	H
2	5.910	5.897	0.013	842584	0.0142	H
					RPD = 81.77	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.450	6.450	0.000	1155799628	9.54	H
2	6.942	6.945	-0.003	485920687	10.6	H
					RPD = 10.67	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

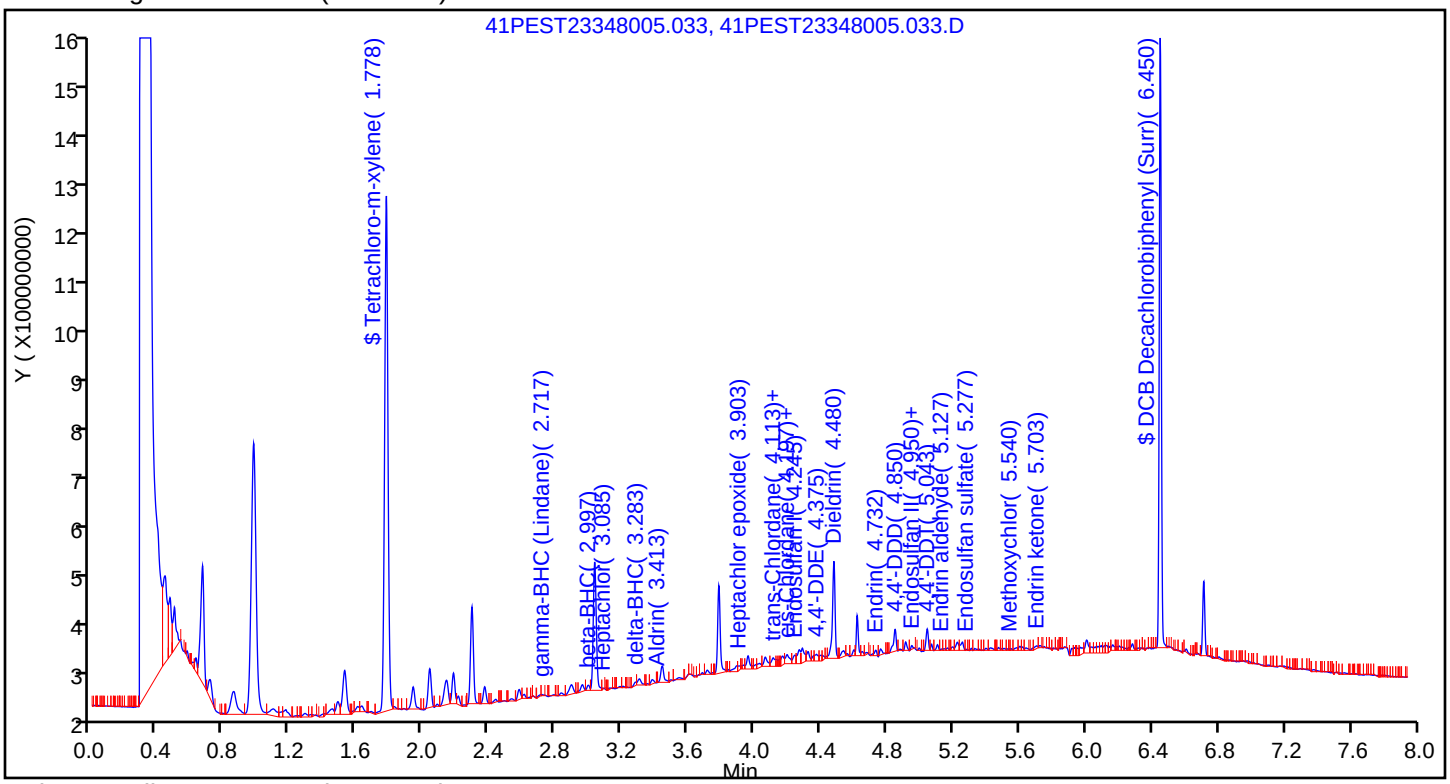
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Eurofins Lancaster Laboratories Environment Testing, LLC

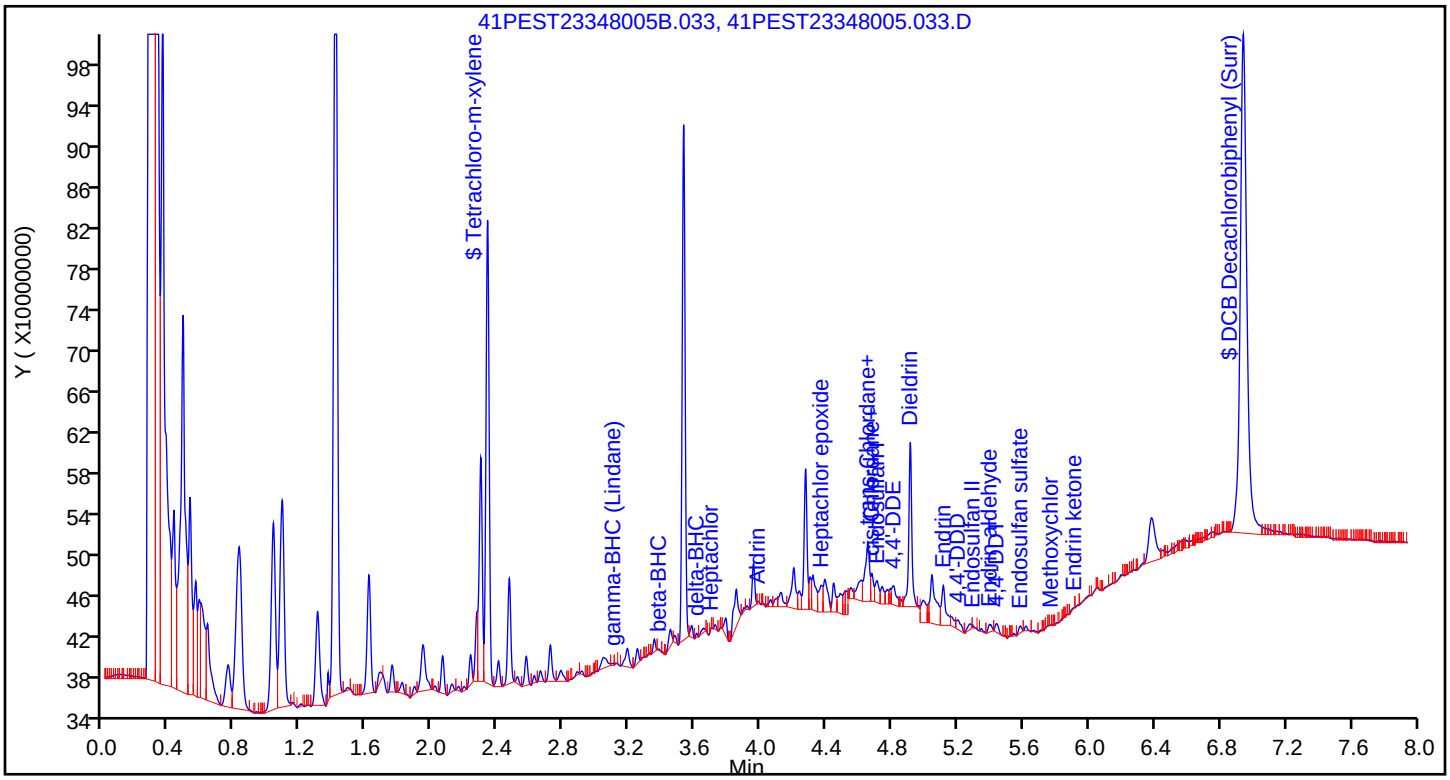
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Injection Date:	20-Dec-2023 10:11:00	Instrument ID:	9147		
Lims ID:	410-154654-A-6-A	Lab Sample ID:	410-154654-6		
Client ID:	MW-4-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.033.D				
Lims ID:	410-154654-A-6-A				
Client ID:	MW-4-F-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 10:11:00	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-6-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:13:16		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.9	79.47
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.54	63.56

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.4	75.65
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	10.6	70.73

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

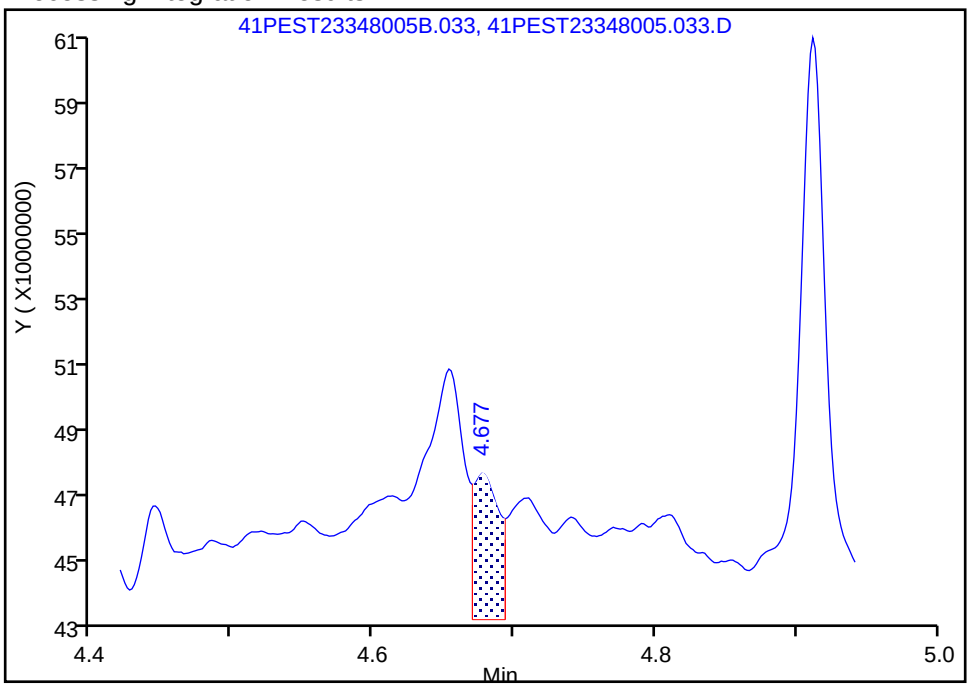
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.033.D				
Injection Date:	20-Dec-2023 10:11:00	Instrument ID:	9147		
Lims ID:	410-154654-A-6-A	Lab Sample ID:	410-154654-6		
Client ID:	MW-4-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

14 cis-Chlordane, CAS: 5103-71-9

Signal: 1

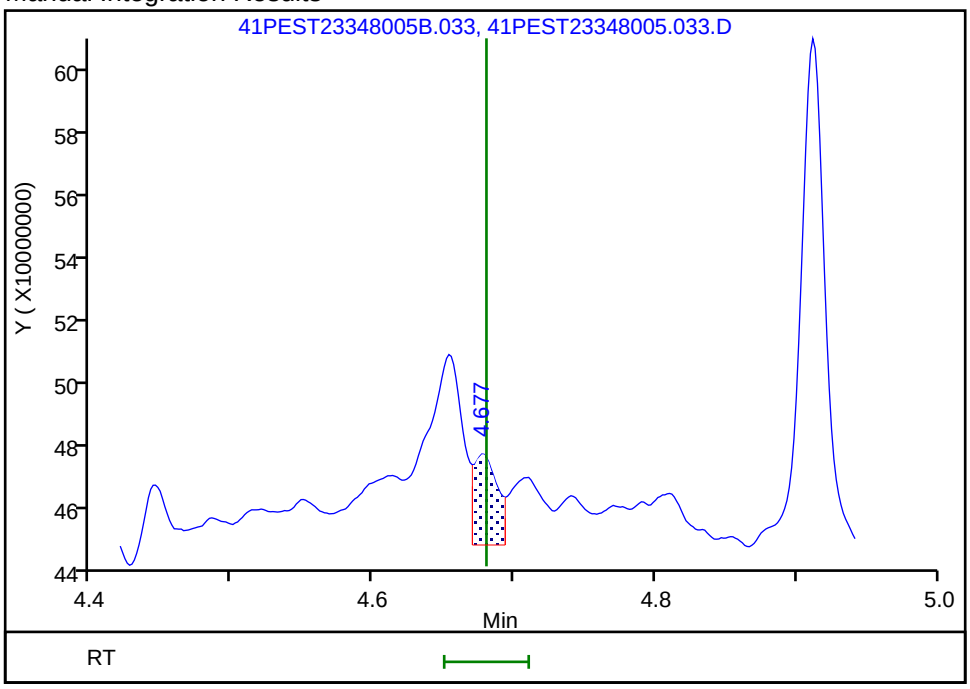
Processing Integration Results

RT: 4.68
Height: 42709330
Amount: 0.309433
Amount Units: ug/l



Manual Integration Results

RT: 4.68
Height: 27762618
Amount: 0.201143
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:13:10 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

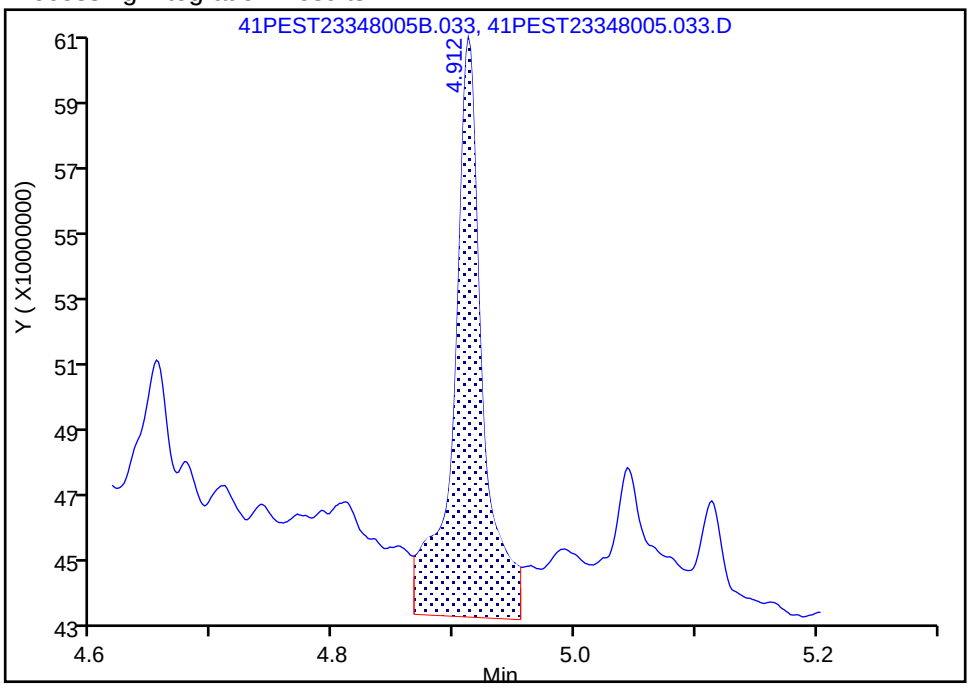
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Injection Date:	20-Dec-2023 10:11:00	Instrument ID:	9147		
Lims ID:	410-154654-A-6-A	Lab Sample ID:	410-154654-6		
Client ID:	MW-4-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

18 Dieldrin, CAS: 60-57-1

Signal: 1

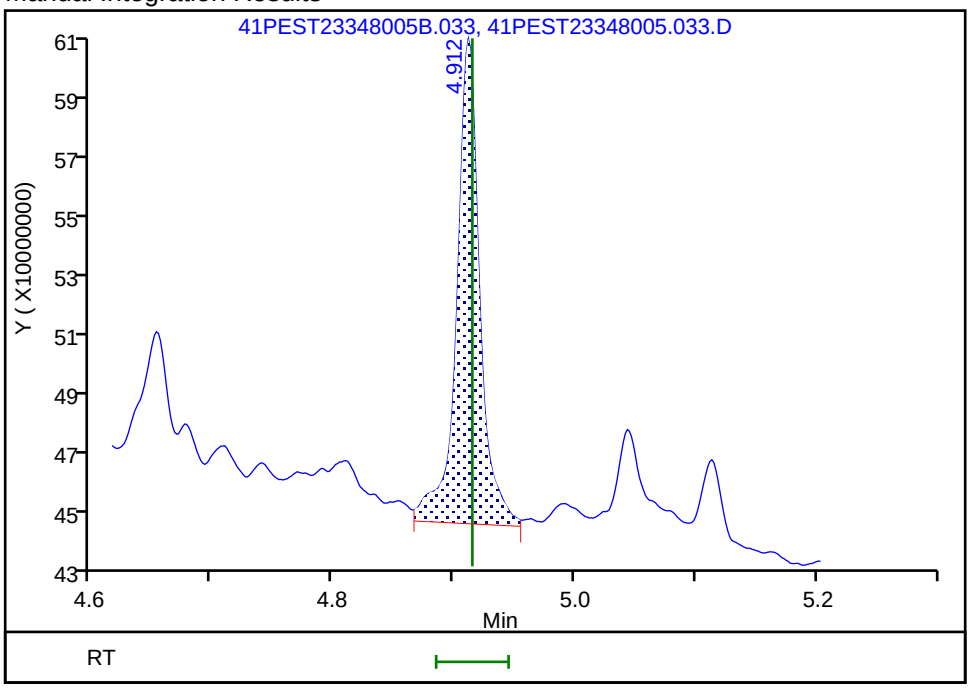
Processing Integration Results

RT: 4.91
Height: 174434568
Amount: 1.473534
Amount Units: ug/l



Manual Integration Results

RT: 4.91
Height: 160071219
Amount: 1.352200
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:13:10 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

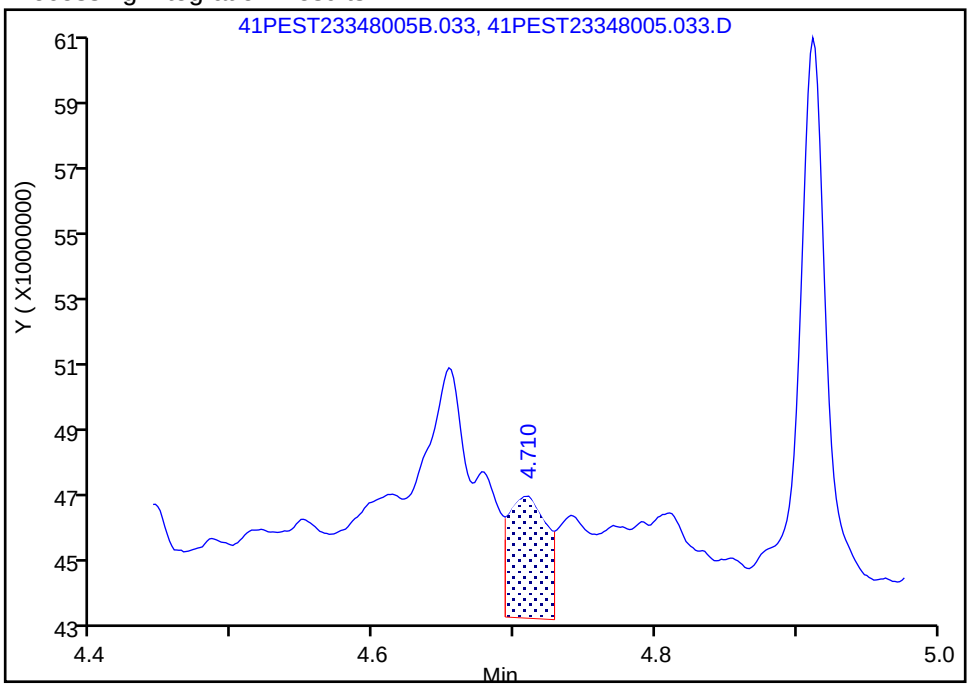
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Injection Date:	20-Dec-2023 10:11:00	Instrument ID:	9147		
Lims ID:	410-154654-A-6-A	Lab Sample ID:	410-154654-6		
Client ID:	MW-4-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

15 Endosulfan I, CAS: 959-98-8

Signal: 1

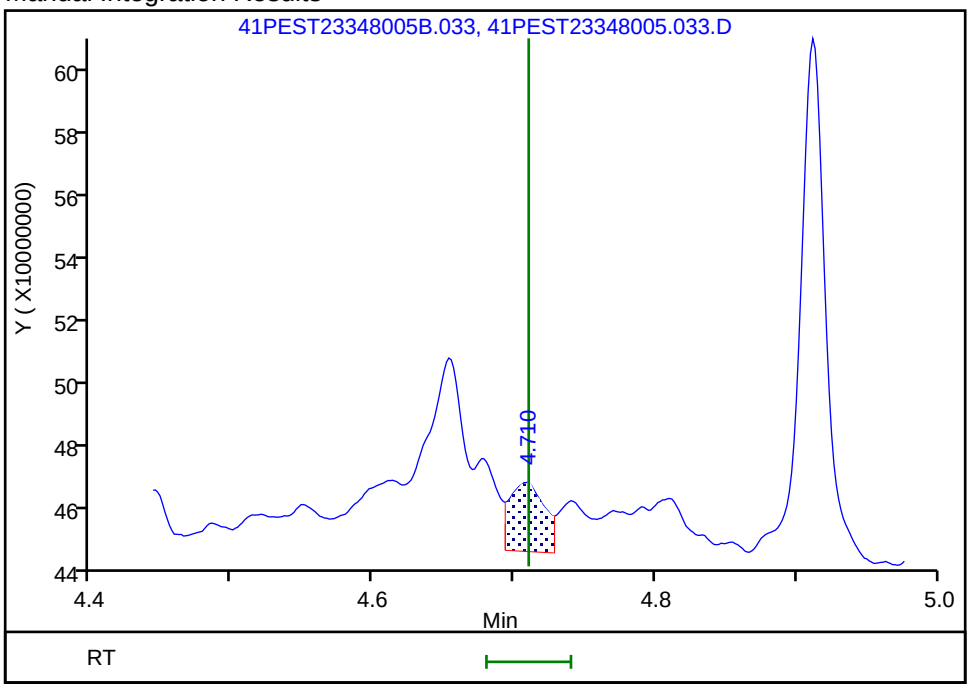
RT: 4.71
Height: 36136929
Amount: 0.267275
Amount Units: ug/l

Processing Integration Results



RT: 4.71
Height: 21272964
Amount: 0.157338
Amount Units: ug/l

Manual Integration Results



Reviewer: UAMZ, 20-Dec-2023 12:13:10 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

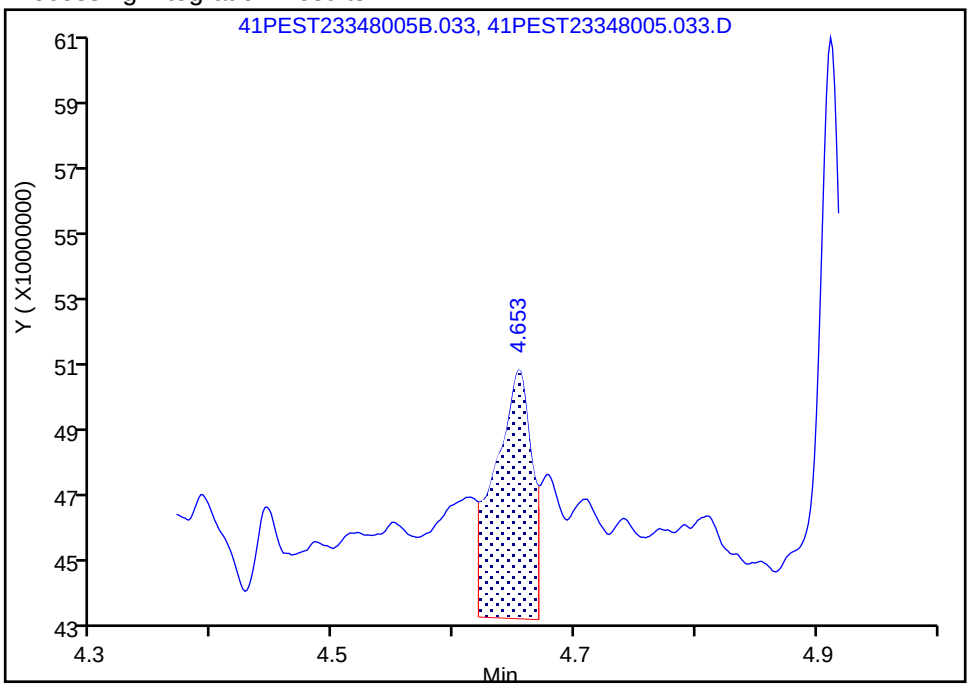
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Injection Date:	20-Dec-2023 10:11:00	Instrument ID:	9147		
Lims ID:	410-154654-A-6-A	Lab Sample ID:	410-154654-6		
Client ID:	MW-4-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

13 trans-Chlordane, CAS: 5103-74-2

Signal: 1

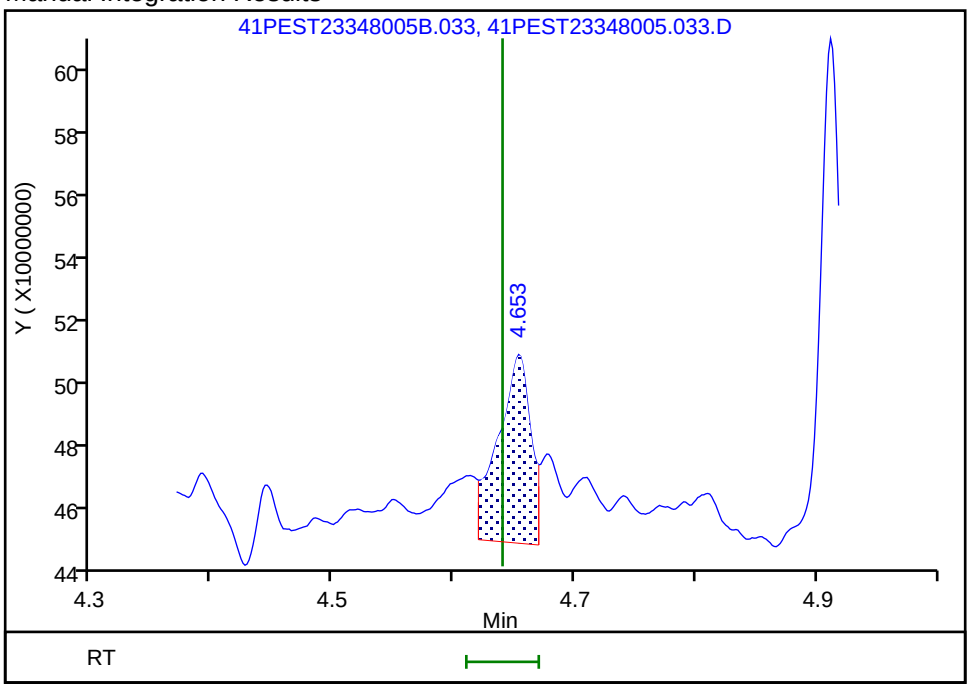
RT: 4.65
Height: 72820236
Amount: 0.520115
Amount Units: ug/l

Processing Integration Results



Manual Integration Results

RT: 4.65
Height: 57815601
Amount: 0.412945
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:13:10 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

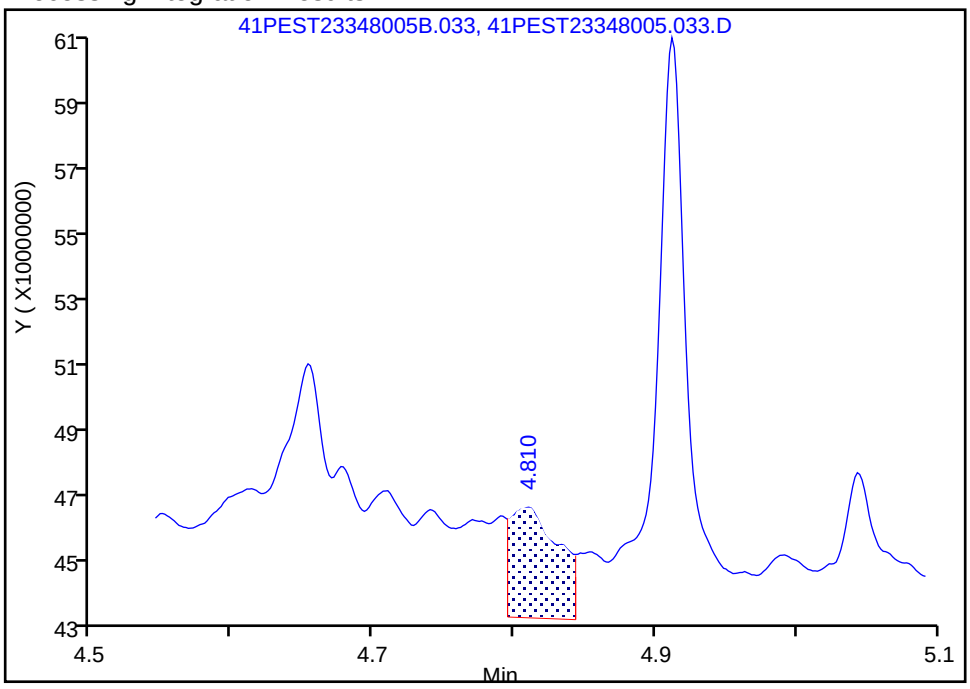
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.033.D				
Injection Date:	20-Dec-2023 10:11:00	Instrument ID:	9147		
Lims ID:	410-154654-A-6-A	Lab Sample ID:	410-154654-6		
Client ID:	MW-4-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

16 4,4'-DDE, CAS: 72-55-9

Signal: 1

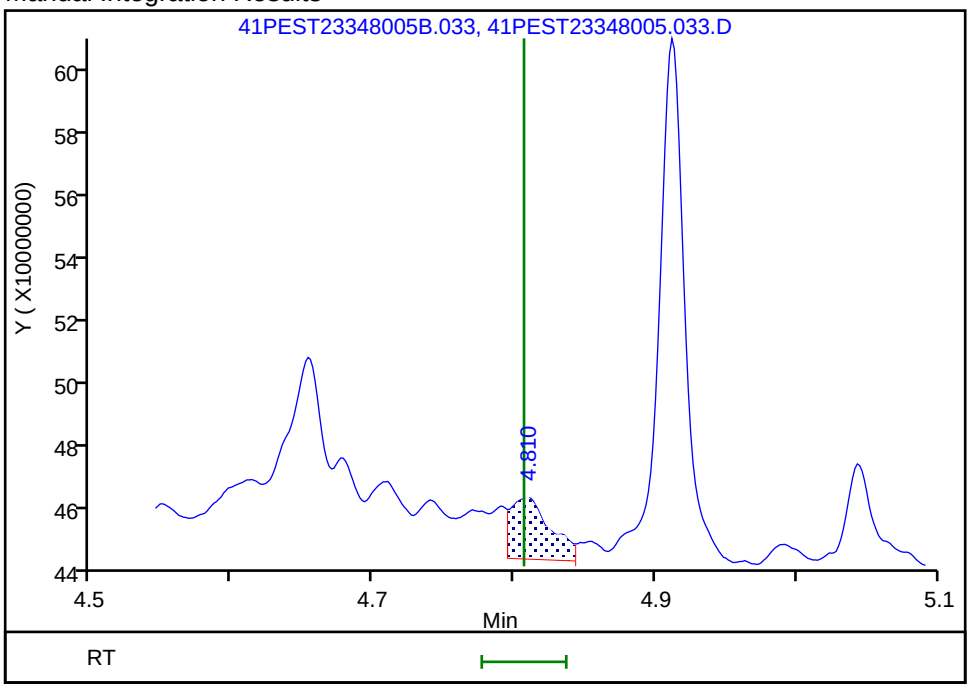
Processing Integration Results

RT: 4.81
Height: 33024540
Amount: 0.278189
Amount Units: ug/l



Manual Integration Results

RT: 4.81
Height: 18408814
Amount: 0.155071
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:13:10 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-2D-UF-20231212
Lab Sample ID: 410-154654-7

Matrix: Water
Lab File ID: 41PEST23348005.034.D

Analysis Method: 8081B
Date Collected: 12/12/2023 12:50

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 242.3(mL)
Date Analyzed: 12/20/2023 10:26

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	ND		0.021	0.0031
5103-71-9	alpha-Chlordane	0.0059	J p	0.021	0.0031
319-85-7	beta-BHC	ND		0.031	0.011
319-86-8	delta-BHC	ND		0.021	0.0035
60-57-1	Dieldrin	0.014	J	0.031	0.0055
959-98-8	Endosulfan I	ND		0.021	0.0044
33213-65-9	Endosulfan II	ND		0.041	0.015
1031-07-8	Endosulfan sulfate	0.016	J	0.031	0.0060
72-20-8	Endrin	ND		0.031	0.0084
7421-93-4	Endrin aldehyde	0.024	J p	0.10	0.021
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	0.0095	J p	0.041	0.0072
76-44-8	Heptachlor	ND		0.021	0.0021
1024-57-3	Heptachlor epoxide	0.0053	J	0.021	0.0024
72-43-5	Methoxychlor	ND		0.11	0.031
8001-35-2	Toxaphene	ND		1.0	0.31
72-54-8	p,p'-DDD	0.24		0.031	0.0052
72-55-9	p,p'-DDE	0.082		0.031	0.0052
50-29-3	p,p'-DDT	0.074	p	0.031	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	41		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	64		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D
Lims ID: 410-154654-A-7-A
Client ID: MW-2D-UF-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 10:26:00 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-7-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:11:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.772	1.778	-0.006	786689256	H 9.61	
2	2.333	2.340	-0.007	363267548	H 9.16	
					RPD = 4.80	
2 alpha-BHC						
1	2.365	2.363	0.002	224511	H 0.001759	
2	2.737	2.750	-0.013	881809	H 0.006061	
					RPD = 110.01	
4 gamma-BHC (Lindane)						
1	2.723	2.732	-0.009	5688758	H 0.0461	
2	3.093	3.088	0.005	12191494	H 0.0825	
					RPD = 56.59	
5 beta-BHC						
1	2.992	2.982	0.010	11460273	H 0.2162	
2	3.390	3.375	0.015	292547	H 0.005037	
					RPD = 190.89	
7 delta-BHC						
1	3.275	3.268	0.007	22741773	H 0.1619	
2	3.617	3.628	-0.011	1736729	H 0.009560	
					RPD = 177.70	
8 Heptachlor						
1	3.087	3.090	-0.003	9308198	H 0.0847	
2	3.698	3.688	0.010	1373938	H 0.008050	
					RPD = 165.27	
9 Aldrin						
1	3.412	3.400	0.012	14026131	H 0.1124	
2	3.982	3.988	-0.006	4401336	H 0.0255	
					RPD = 125.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						M
1	3.888	3.910	-0.022	31812109H	0.2590	M
2	4.372	4.375	-0.003	31196651H	0.2012	
					RPD = 25.10	
13 trans-Chlordane						M
1	4.112	4.113	-0.001	58975770H	0.4592	M
2	4.653	4.640	0.013	133835823H	0.9559	M
					RPD = 70.20	
14 cis-Chlordane						M
1	4.192	4.197	-0.005	36191815H	0.2840	M
2	4.677	4.680	-0.003	69573141H	0.5041	M
					RPD = 55.85	
15 Endosulfan I						M
1	4.243	4.242	0.001	24172370H	0.2044	M
2	4.710	4.710	0.000	61626311H	0.4558	M
					RPD = 76.16	
16 4,4'-DDE						M
1	4.368	4.373	-0.005	564942063H	3.99	M
2	4.802	4.807	-0.005	498496559H	4.20	M
					RPD = 5.18	
18 Dieldrin						M
1	4.475	4.480	-0.005	92346955H	0.6646	M
2	4.910	4.915	-0.005	74631329H	0.6304	M
					RPD = 5.28	
19 Endrin						M
1	4.728	4.733	-0.005	21600121H	0.1711	M
2	5.077	5.093	-0.016	57035467H	0.6472	
					RPD = 116.36	
21 Toxaphene						MU
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						M
1	4.830	4.835	-0.005	1412087154H	11.8	M
2	5.203	5.208	-0.005	578682446H	10.5	
					RPD = 11.54	
23 Endosulfan II						M
1	4.943	4.942	0.001	27744797H	0.2239	M
2	5.307	5.298	0.009	9327925H	0.1506	
					RPD = 39.16	
25 Endrin aldehyde						M
1	5.100	5.117	-0.017	116992355H	1.15	M
2	5.363	5.380	-0.017	118318099H	2.55	
					RPD = 75.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						M
1	5.033	5.043	-0.010	378376969H	3.59	M
2	5.410	5.437	-0.027	206161970H	5.94	
					RPD = 49.34	
27 Endosulfan sulfate						
1	5.275	5.267	0.008	89637032H	0.7599	
2	5.585	5.592	-0.007	26842907H	0.5459	
					RPD = 32.79	
28 Methoxychlor						M
1	5.540	5.543	-0.003	15953818H	0.2960	M
2	5.762	5.762	0.000	3321106H	0.1808	
					RPD = 48.32	
29 Endrin ketone						M
1	5.695	5.702	-0.007	18926964H	0.1390	M
2	5.908	5.897	0.011	695346H	0.0117	
					RPD = 168.87	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.445	6.450	-0.005	753581120H	6.22	M
2	6.933	6.945	-0.012	426199670H	9.31	
					RPD = 39.80	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 20-Dec-2023 12:13:44 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D

Injection Date: 20-Dec-2023 10:26:00 Instrument ID: 9147

Lims ID: 410-154654-A-7-A Lab Sample ID: 410-154654-7

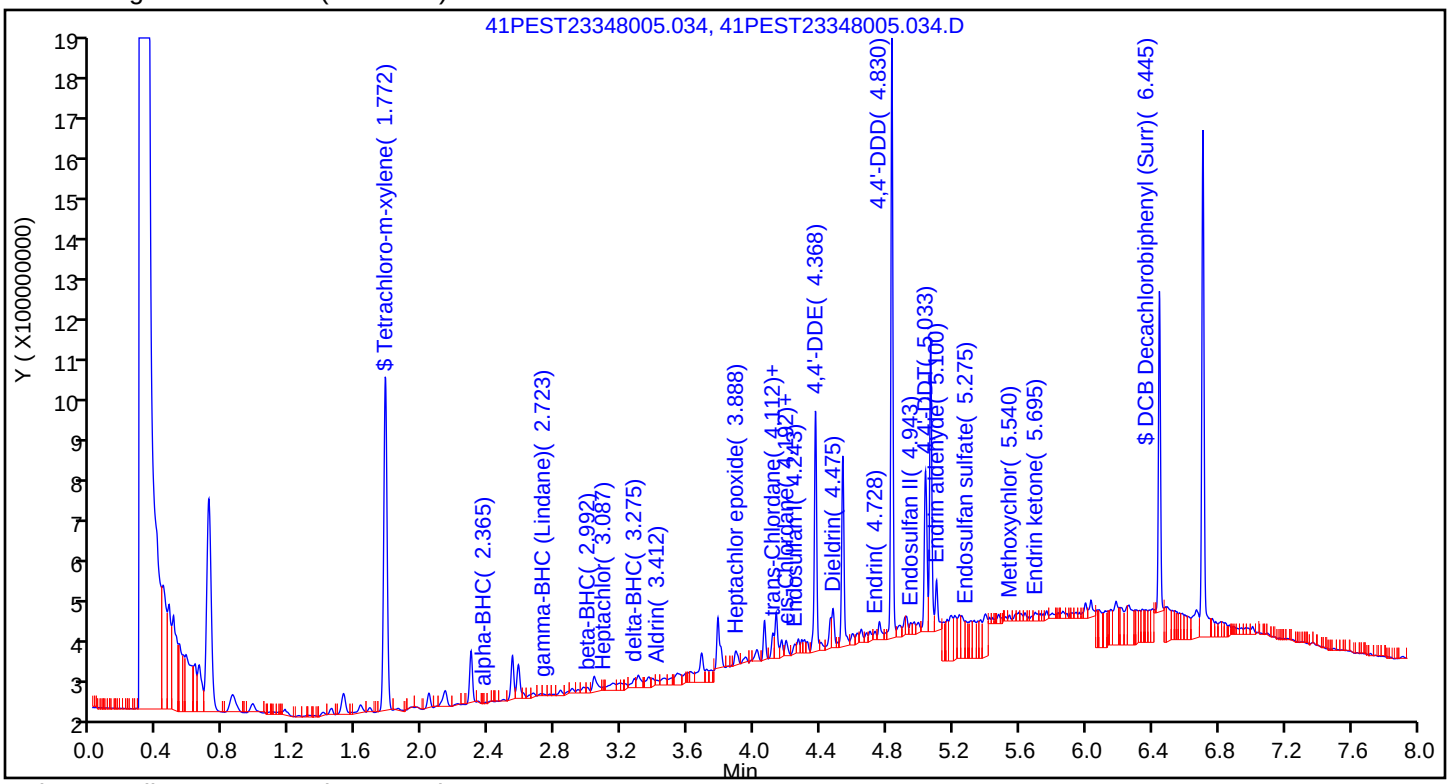
Client ID: MW-2D-UF-20231212

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 34

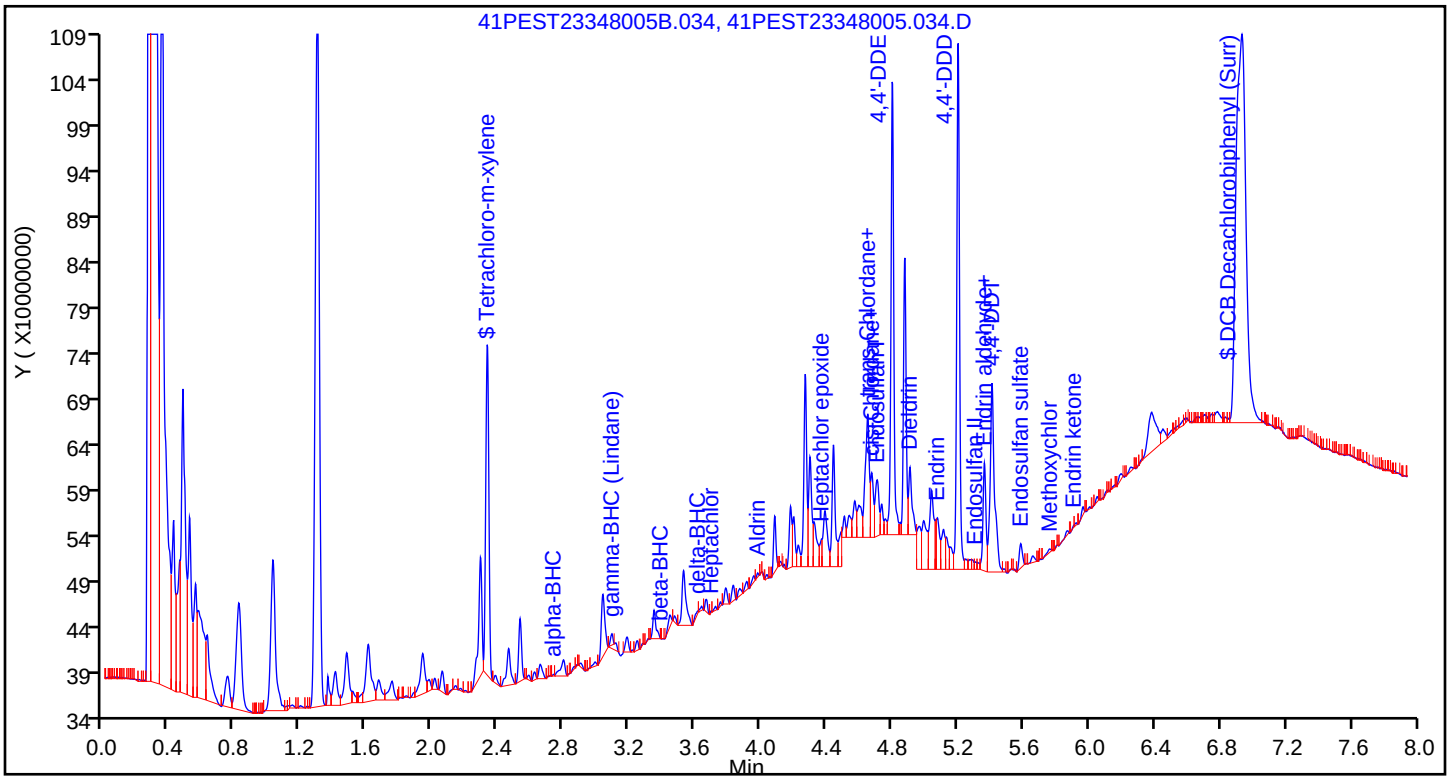
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Lims ID:	410-154654-A-7-A				
Client ID:	MW-2D-UF-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 10:26:00	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-7-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:11:59		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.61	64.03
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	6.22	41.44

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.16	61.03
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.31	62.03

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

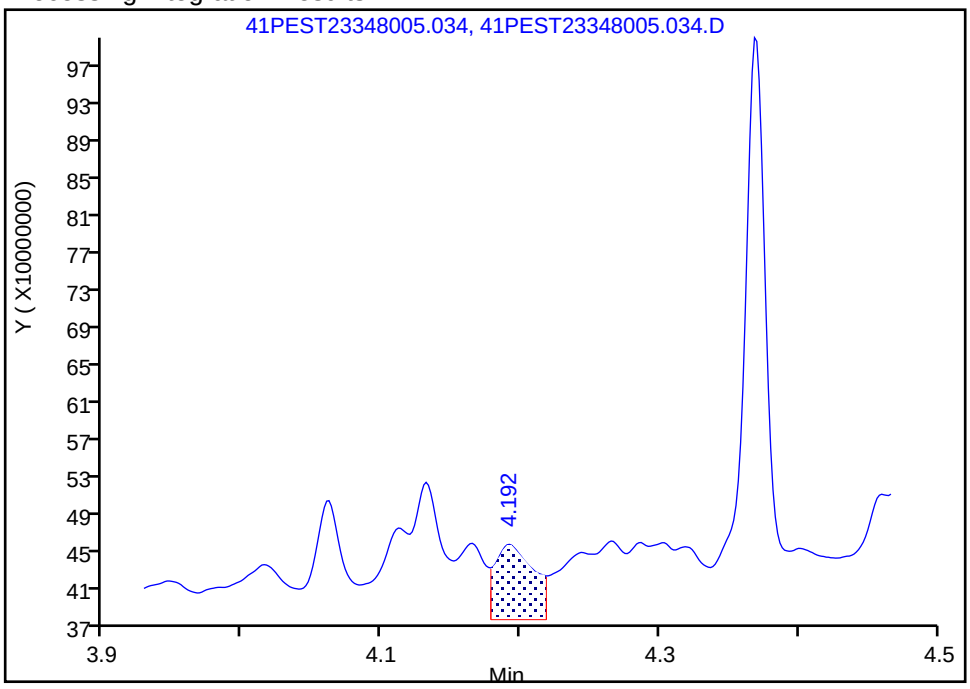
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Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

14 cis-Chlordane, CAS: 5103-71-9

Signal: 2

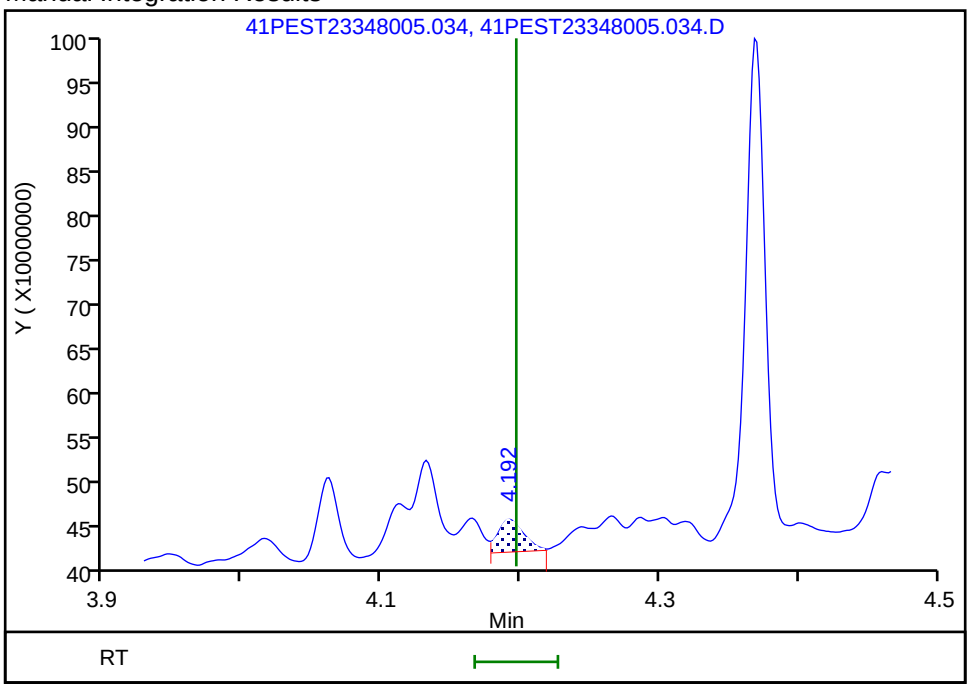
Processing Integration Results

RT: 4.19
Height: 80624378
Amount: 0.632663
Amount Units: ug/l



Manual Integration Results

RT: 4.19
Height: 36191815
Amount: 0.283999
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

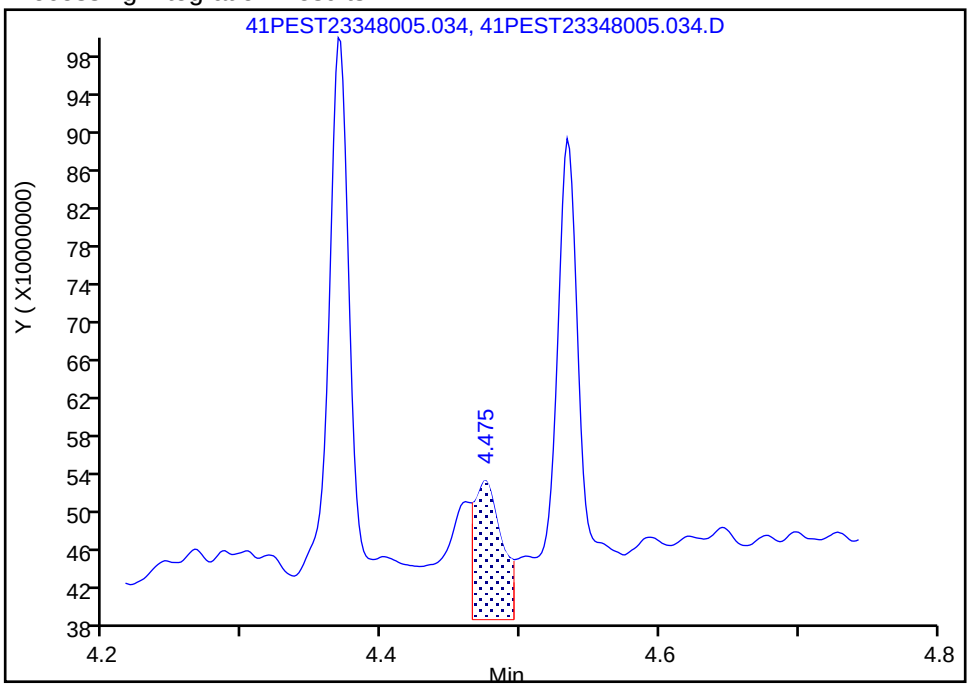
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

18 Dieldrin, CAS: 60-57-1

Signal: 2

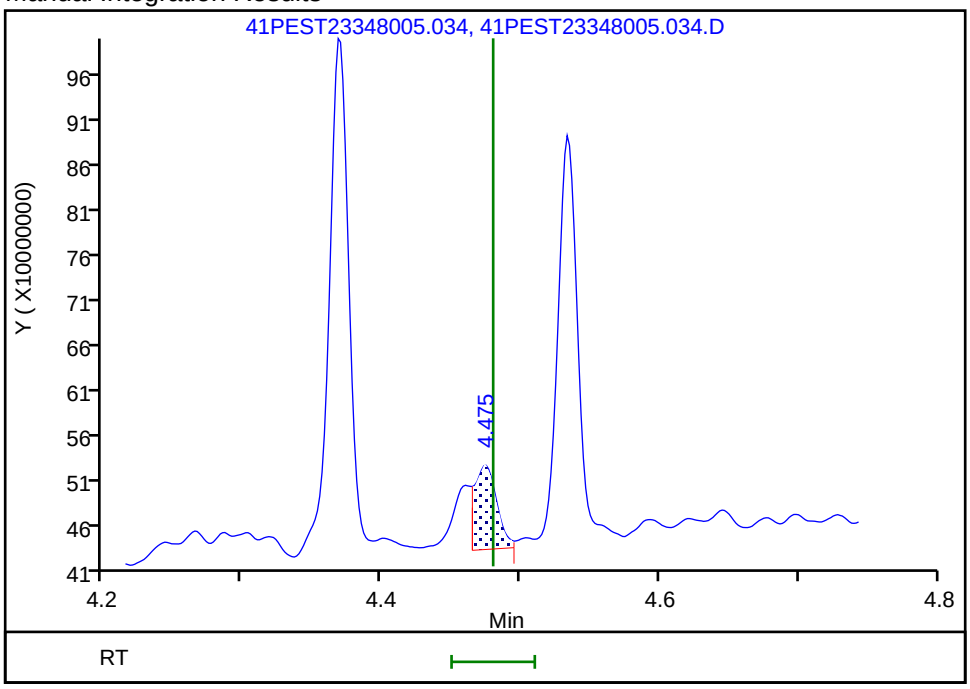
Processing Integration Results

RT: 4.48
Height: 146051565
Amount: 1.051174
Amount Units: ug/l



Manual Integration Results

RT: 4.48
Height: 92346955
Amount: 0.664647
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

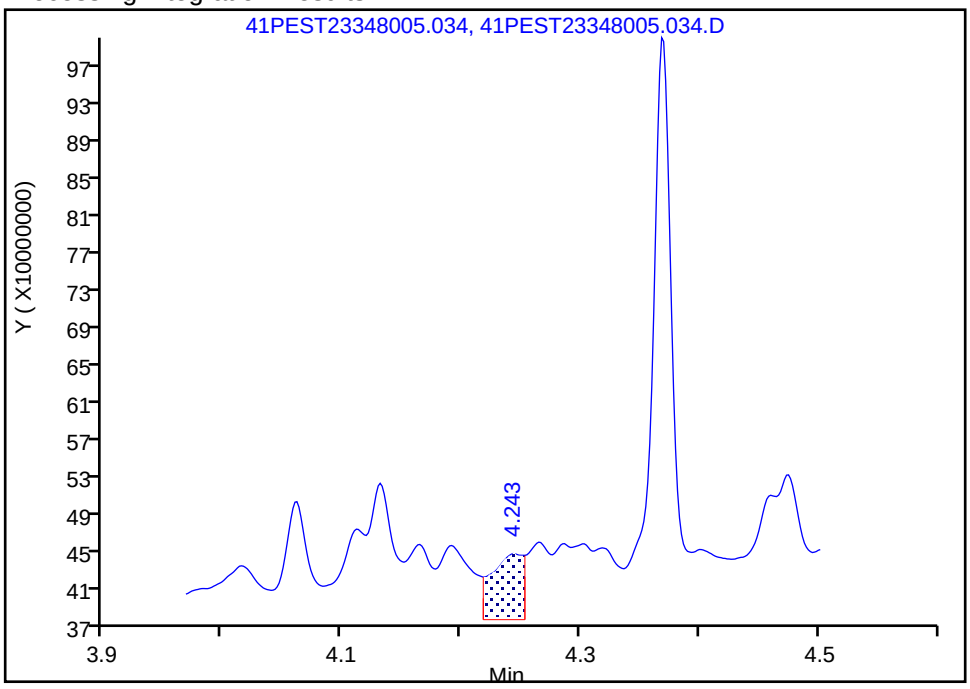
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

15 Endosulfan I, CAS: 959-98-8

Signal: 2

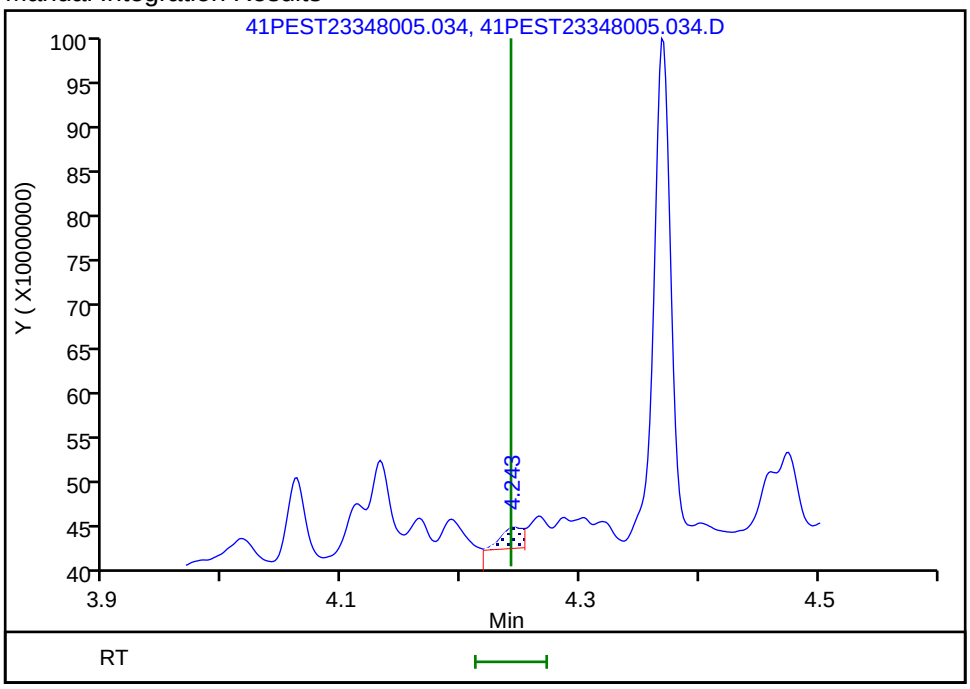
Processing Integration Results

RT: 4.24
Height: 70295718
Amount: 0.594414
Amount Units: ug/l



Manual Integration Results

RT: 4.24
Height: 24172370
Amount: 0.204399
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

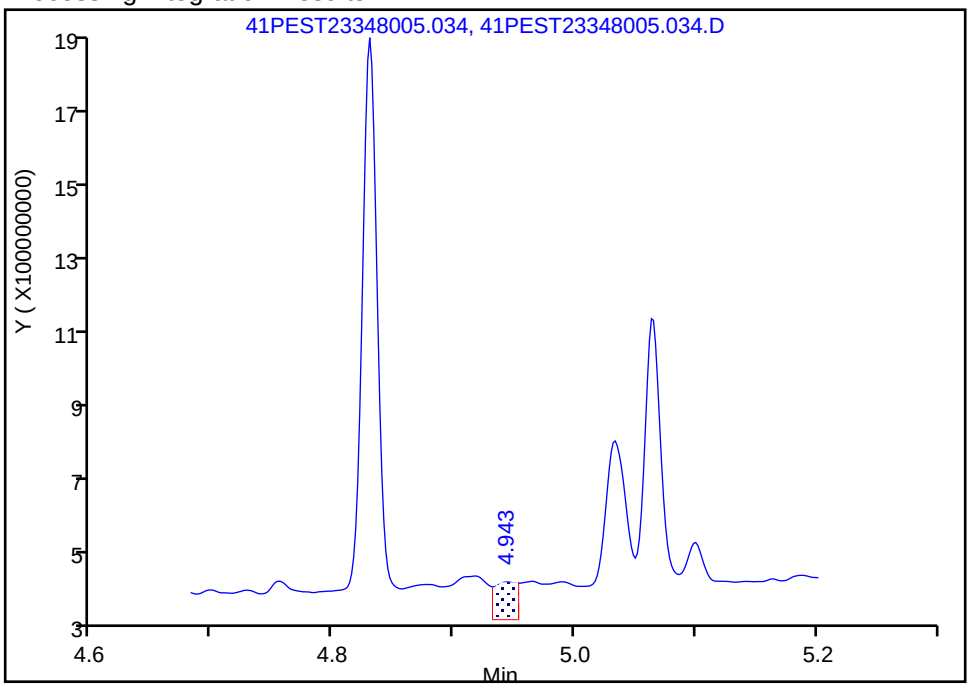
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

23 Endosulfan II, CAS: 33213-65-9

Signal: 2

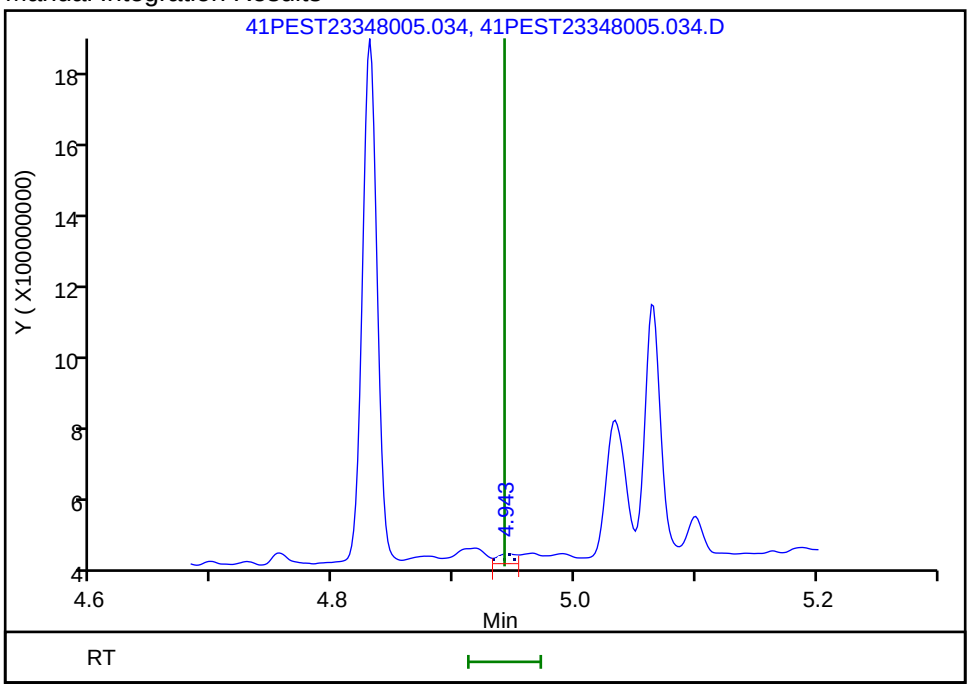
RT: 4.94
Height: 96775556
Amount: 0.781007
Amount Units: ug/l

Processing Integration Results



Manual Integration Results

RT: 4.94
Height: 27744797
Amount: 0.223909
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

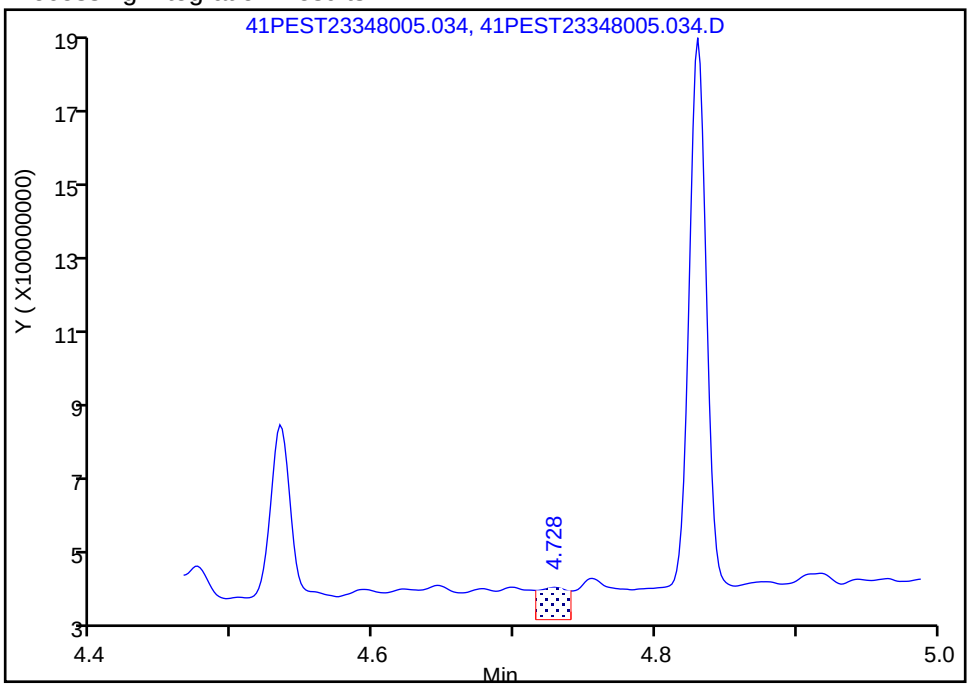
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

19 Endrin, CAS: 72-20-8

Signal: 2

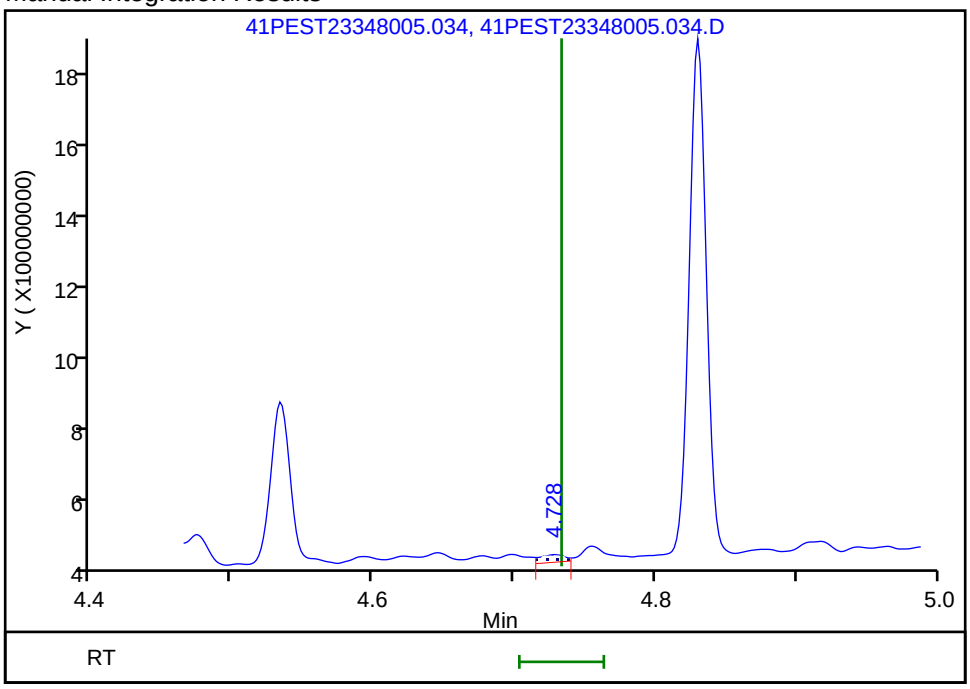
Processing Integration Results

RT: 4.73
Height: 83595033
Amount: 0.662215
Amount Units: ug/l



Manual Integration Results

RT: 4.73
Height: 21600121
Amount: 0.171110
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

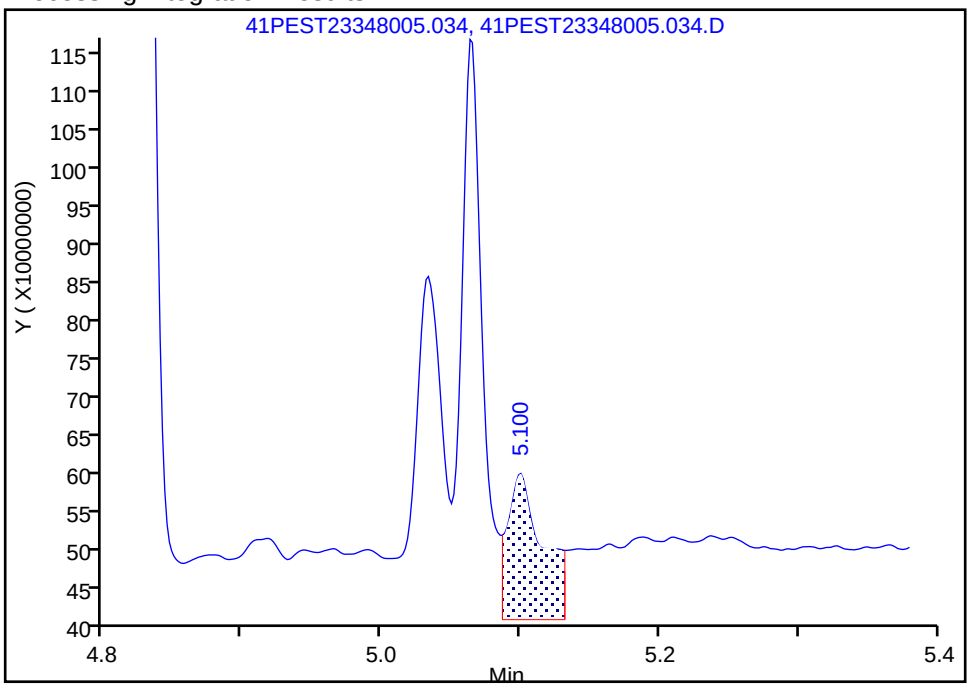
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

25 Endrin aldehyde, CAS: 7421-93-4

Signal: 2

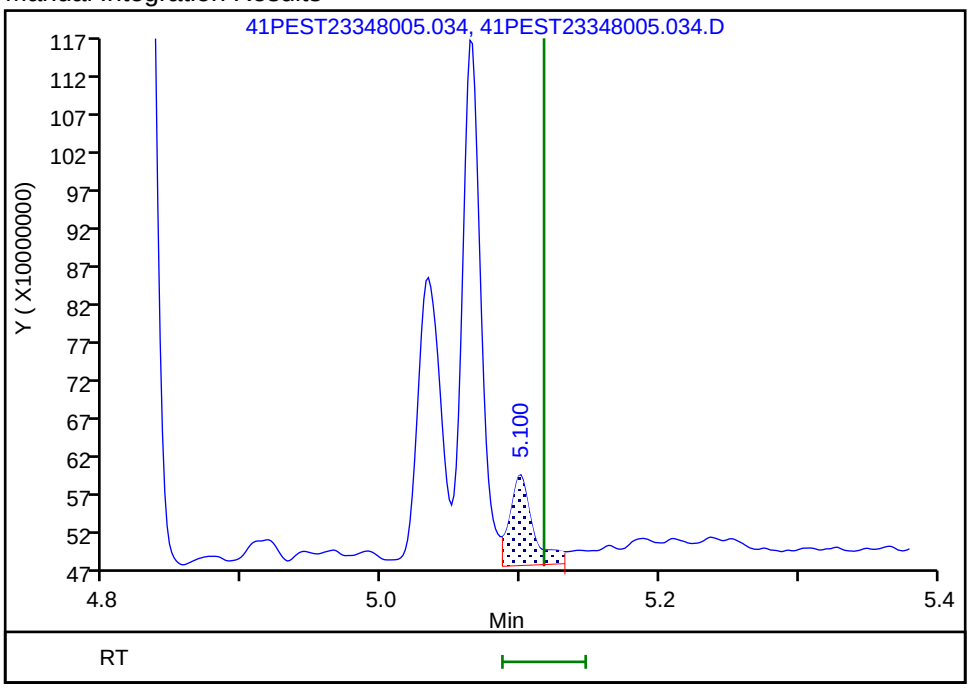
Processing Integration Results

RT: 5.10
Height: 191150010
Amount: 1.882197
Amount Units: ug/l



Manual Integration Results

RT: 5.10
Height: 116992355
Amount: 1.151989
Amount Units: ug/l



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Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

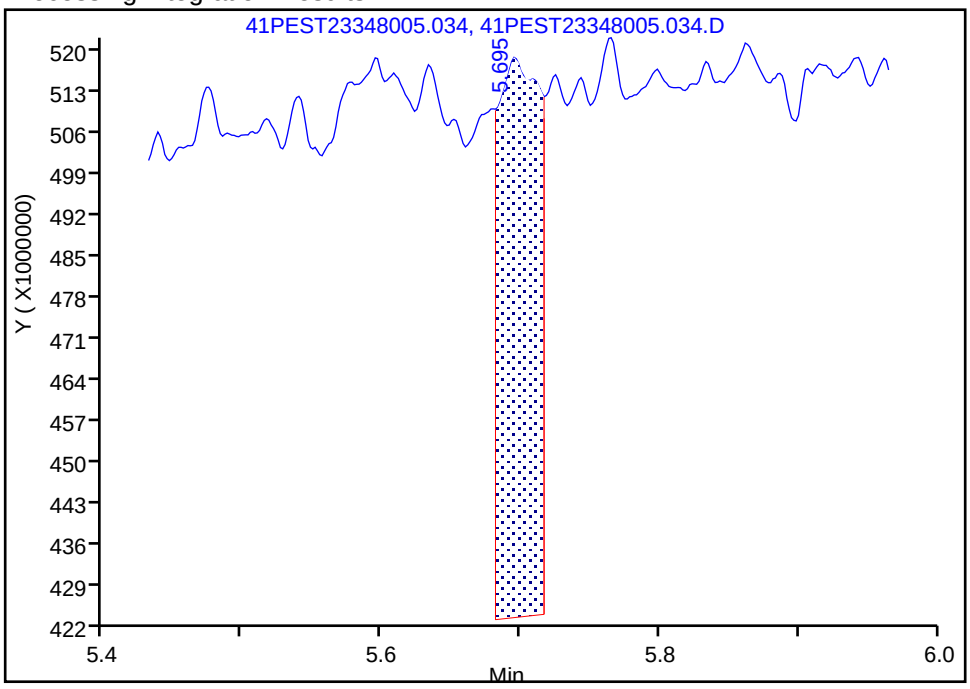
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Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

29 Endrin ketone, CAS: 53494-70-5

Signal: 2

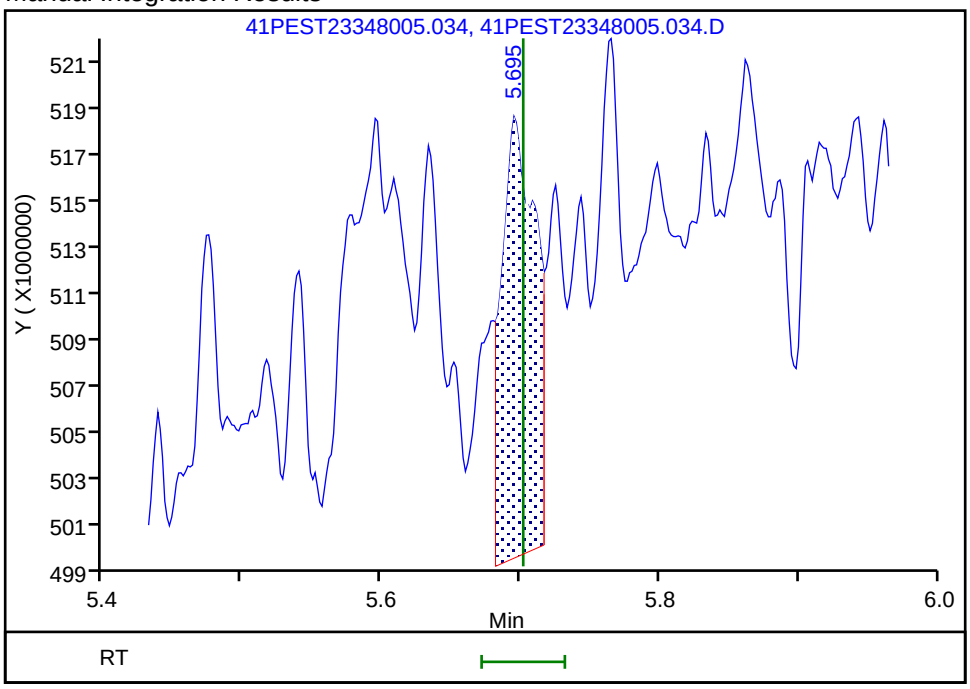
Processing Integration Results

RT: 5.70
Height: 95189891
Amount: 0.699014
Amount Units: ug/l



Manual Integration Results

RT: 5.70
Height: 18926964
Amount: 0.138988
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:43 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

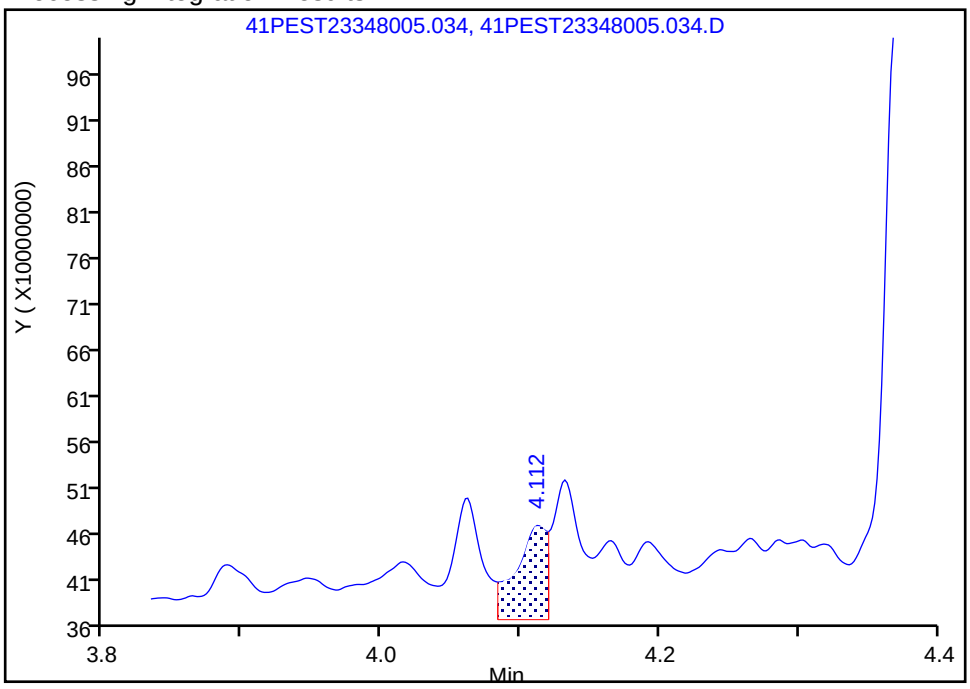
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Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

13 trans-Chlordane, CAS: 5103-74-2

Signal: 2

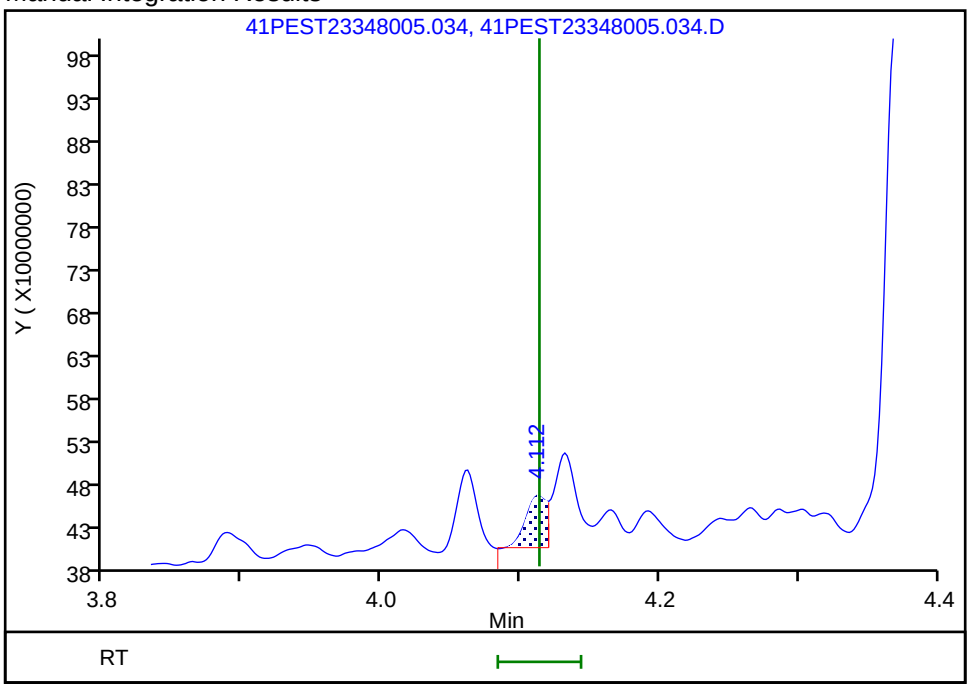
Processing Integration Results

RT: 4.11
Height: 100790344
Amount: 0.784765
Amount Units: ug/l



Manual Integration Results

RT: 4.11
Height: 58975770
Amount: 0.459192
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC

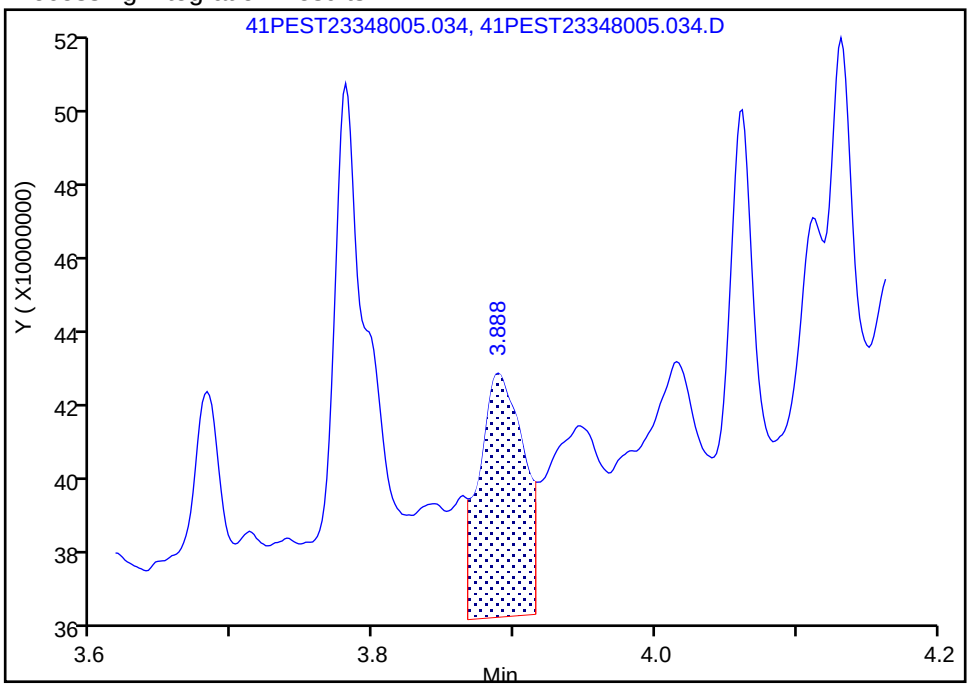
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Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

11 Heptachlor epoxide, CAS: 1024-57-3

Signal: 2

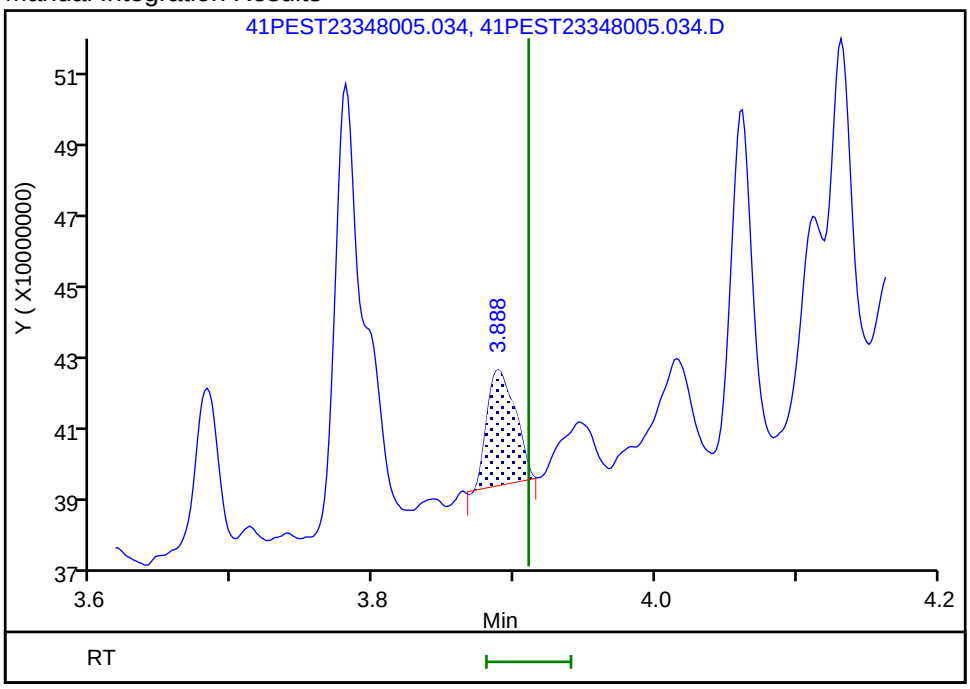
Processing Integration Results

RT: 3.89
Height: 66318128
Amount: 0.539956
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Height: 31812109
Amount: 0.259011
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

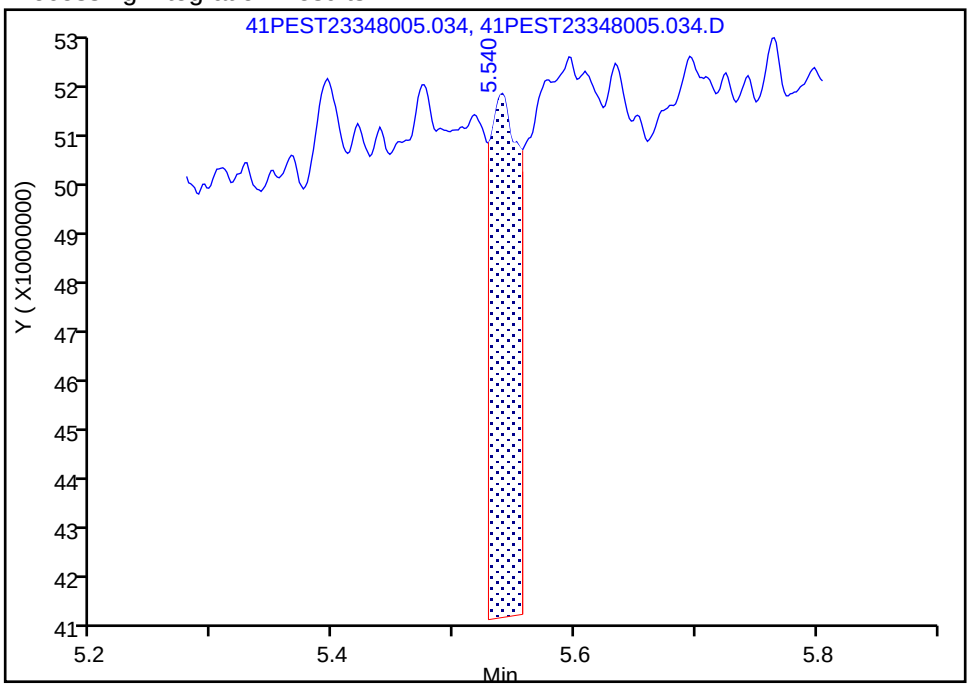
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Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

28 Methoxychlor, CAS: 72-43-5

Signal: 2

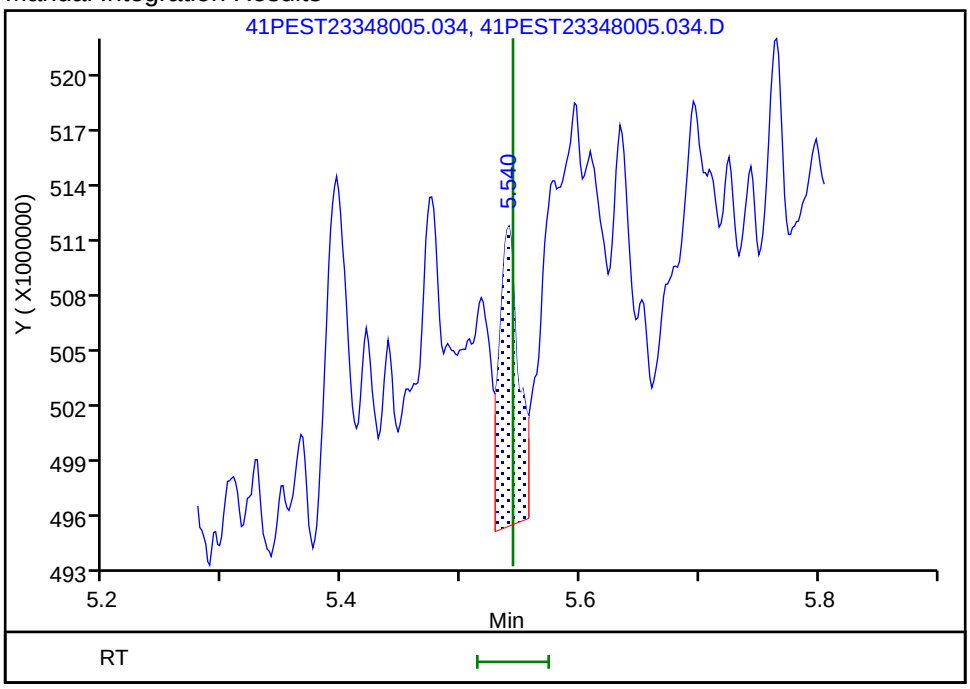
RT: 5.54
Height: 93901963
Amount: 1.742506
Amount Units: ug/l

Processing Integration Results



Manual Integration Results

RT: 5.54
Height: 15953818
Amount: 0.296049
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:43 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

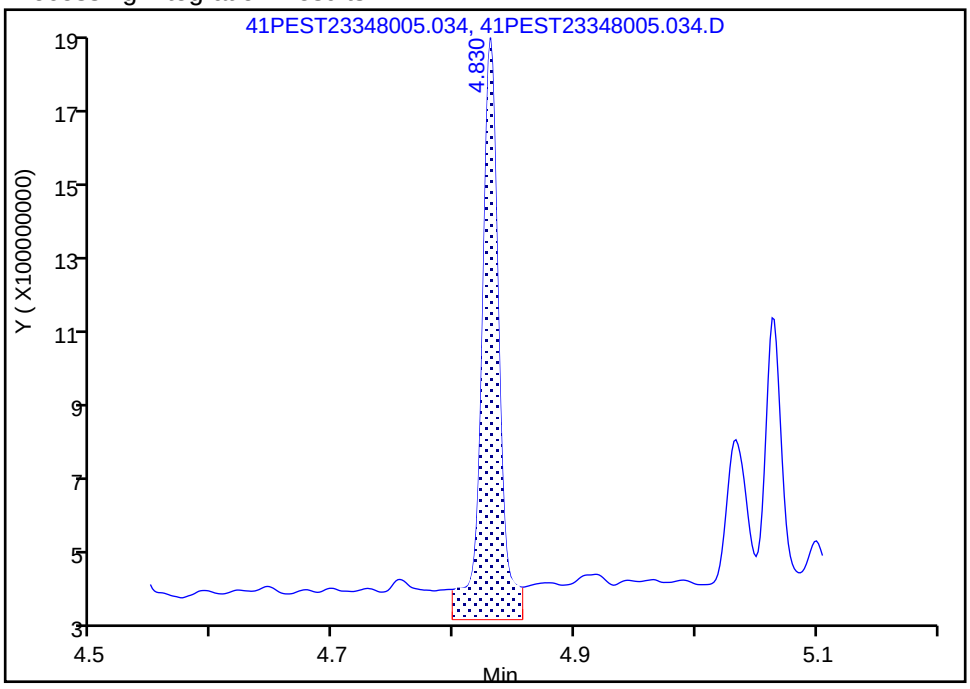
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

22 4,4'-DDD, CAS: 72-54-8

Signal: 2

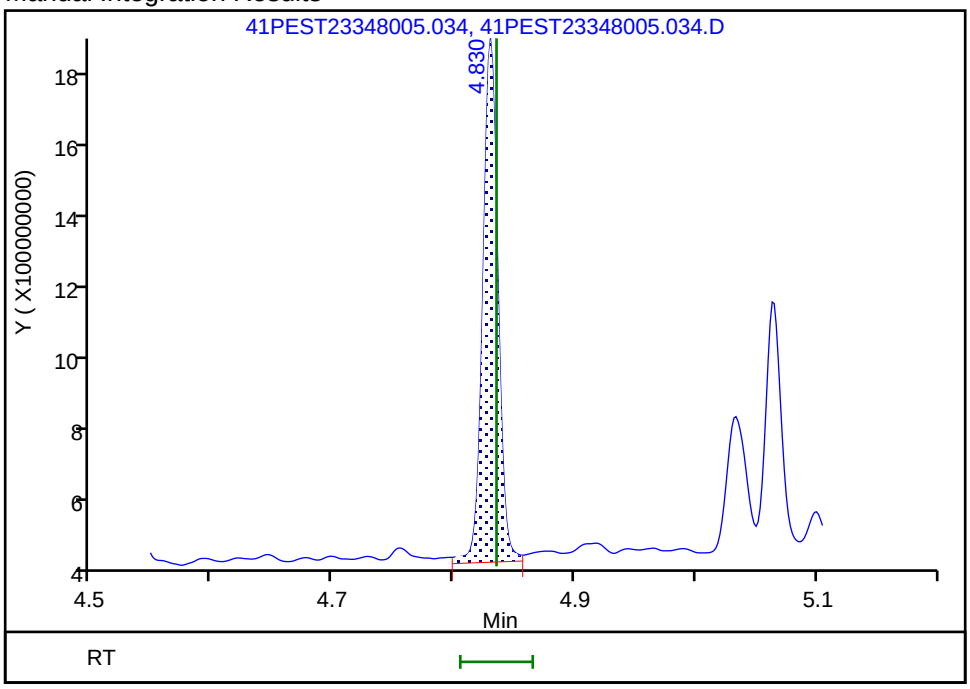
Processing Integration Results

RT: 4.83
Height: 1477409094
Amount: 12.304563
Amount Units: ug/l



Manual Integration Results

RT: 4.83
Height: 1412087154
Amount: 11.760531
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

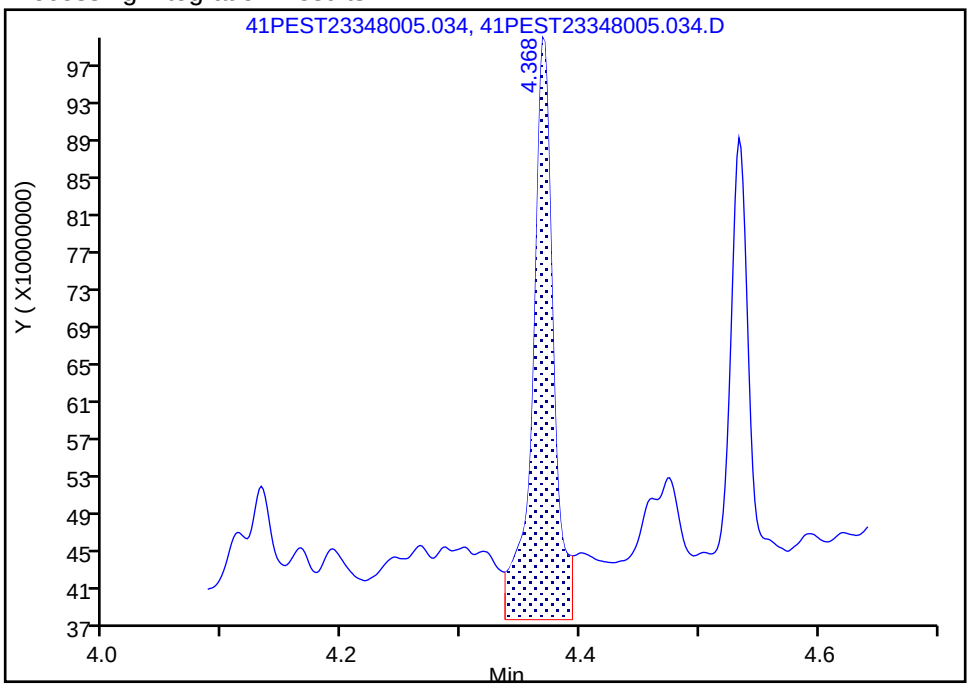
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

16 4,4'-DDE, CAS: 72-55-9

Signal: 2

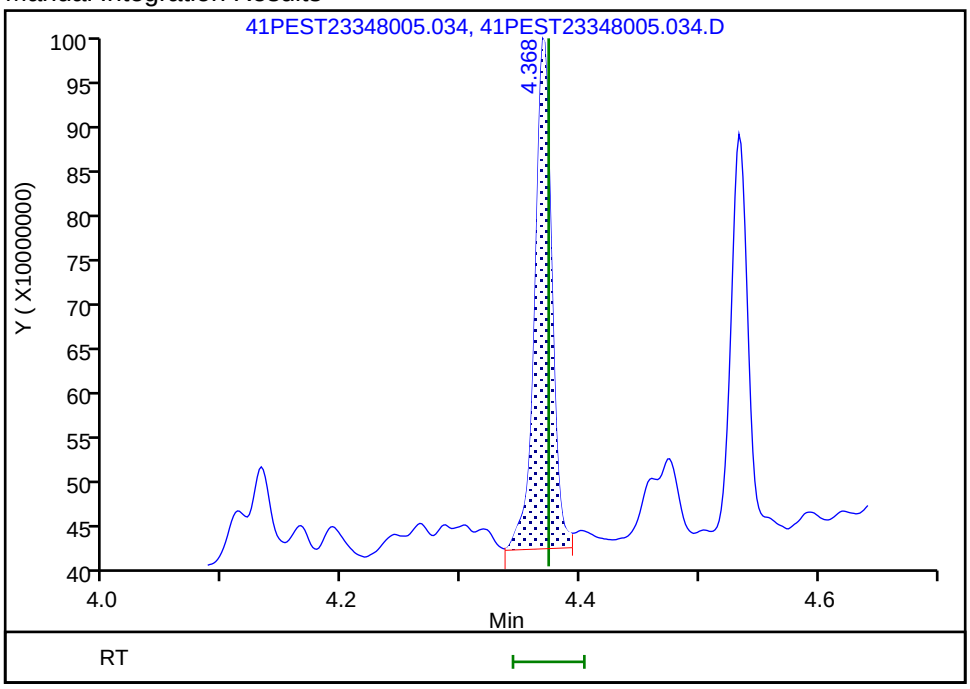
Processing Integration Results

RT: 4.37
Height: 615156020
Amount: 4.341446
Amount Units: ug/l



Manual Integration Results

RT: 4.37
Height: 564942063
Amount: 3.987062
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

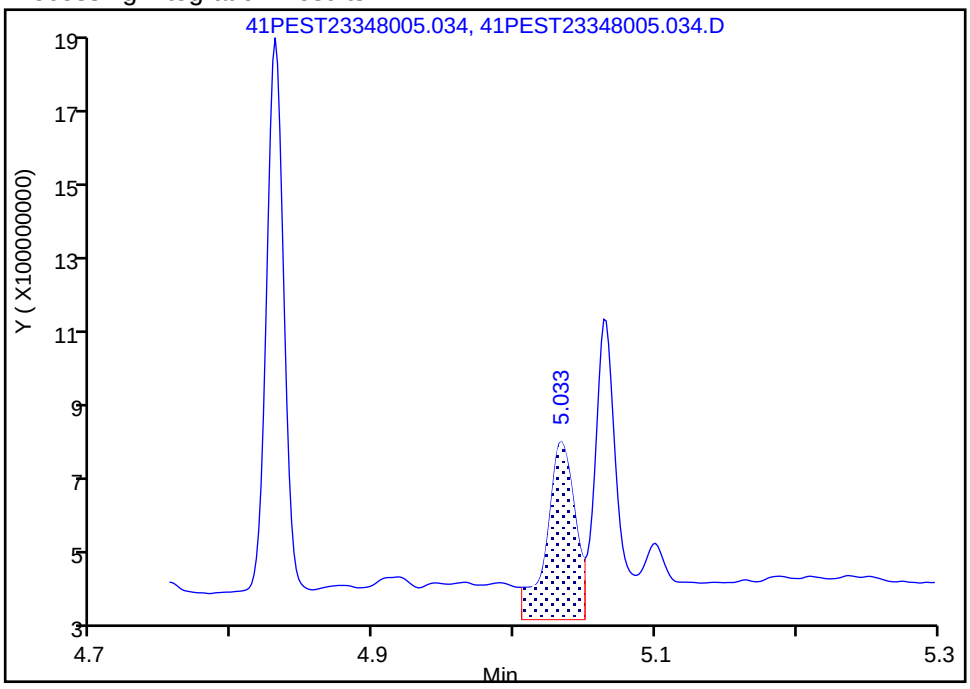
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

26 4,4'-DDT, CAS: 50-29-3

Signal: 2

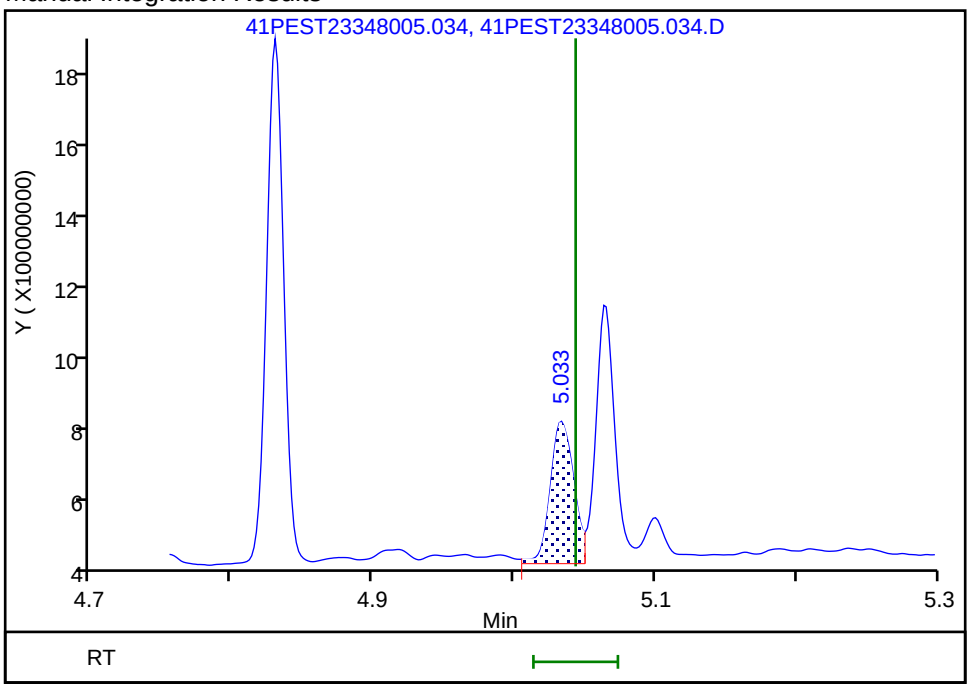
Processing Integration Results

RT: 5.03
Height: 450352966
Amount: 4.272449
Amount Units: ug/l



Manual Integration Results

RT: 5.03
Height: 378376969
Amount: 3.589620
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:41 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

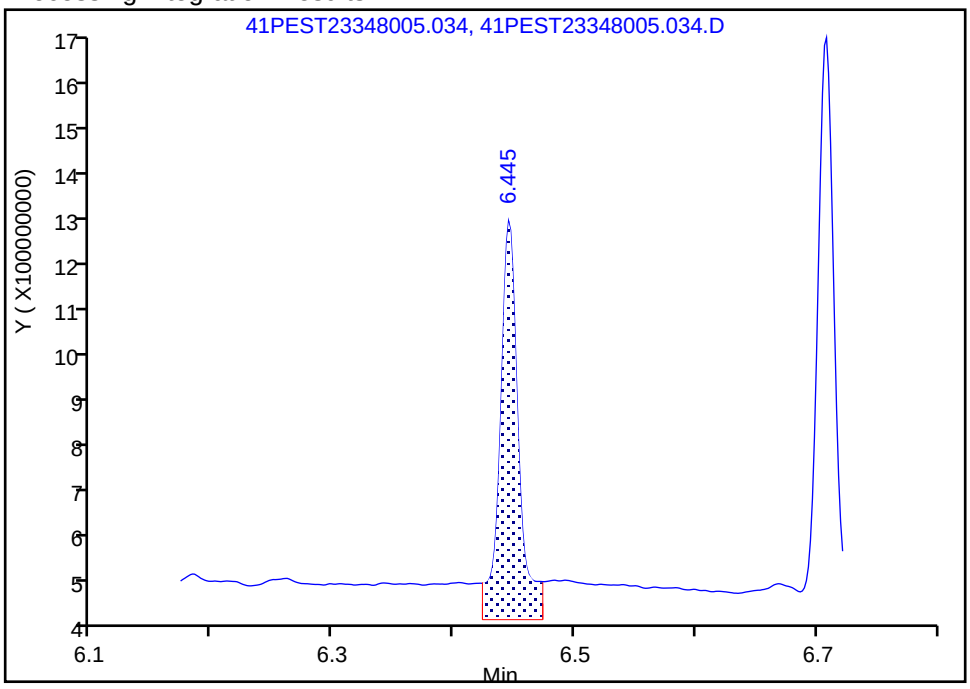
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Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 2

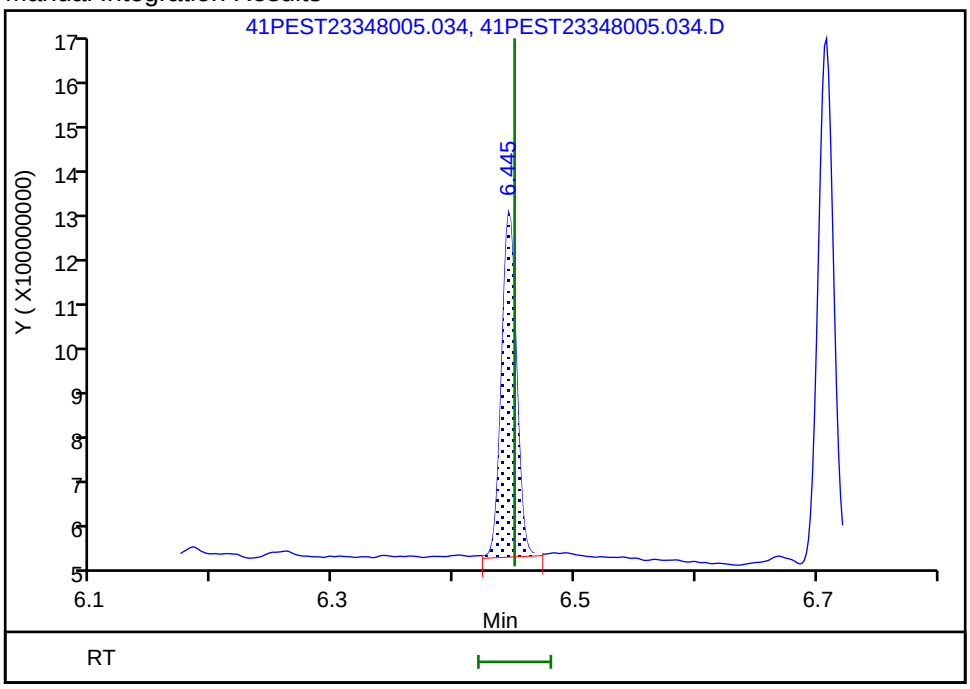
RT: 6.45
Height: 825264167
Amount: 6.810753
Amount Units: ug/l

Processing Integration Results



RT: 6.45
Height: 753581120
Amount: 6.219166
Amount Units: ug/l

Manual Integration Results



Reviewer: UAMZ, 20-Dec-2023 12:11:32 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-2D-UF-20231212
Lab Sample ID: 410-154654-7

Matrix: Water
Lab File ID: 41PEST23348005.034.D

Analysis Method: 8081B
Date Collected: 12/12/2023 12:50

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 242.3(mL)
Date Analyzed: 12/20/2023 10:26

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.021	0.0021

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	62		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	61		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D
Lims ID: 410-154654-A-7-A
Client ID: MW-2D-UF-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 10:26:00 ALS Bottle#: 0 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-7-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:11:59

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.772	1.778	-0.006	786689256	H 9.61	
2	2.333	2.340	-0.007	363267548	H 9.16	
					RPD = 4.80	
2 alpha-BHC						
1	2.365	2.363	0.002	224511	H 0.001759	
2	2.737	2.750	-0.013	881809	H 0.006061	
					RPD = 110.01	
4 gamma-BHC (Lindane)						
1	2.723	2.732	-0.009	5688758	H 0.0461	
2	3.093	3.088	0.005	12191494	H 0.0825	
					RPD = 56.59	
5 beta-BHC						
1	2.992	2.982	0.010	11460273	H 0.2162	
2	3.390	3.375	0.015	292547	H 0.005037	
					RPD = 190.89	
7 delta-BHC						
1	3.275	3.268	0.007	22741773	H 0.1619	
2	3.617	3.628	-0.011	1736729	H 0.009560	
					RPD = 177.70	
8 Heptachlor						
1	3.087	3.090	-0.003	9308198	H 0.0847	
2	3.698	3.688	0.010	1373938	H 0.008050	
					RPD = 165.27	
9 Aldrin						
1	3.412	3.400	0.012	14026131	H 0.1124	
2	3.982	3.988	-0.006	4401336	H 0.0255	
					RPD = 125.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						M
1	3.888	3.910	-0.022	31812109H	0.2590	M
2	4.372	4.375	-0.003	31196651H	0.2012	
					RPD = 25.10	
13 trans-Chlordane						M
1	4.112	4.113	-0.001	58975770H	0.4592	M
2	4.653	4.640	0.013	133835823H	0.9559	M
					RPD = 70.20	
14 cis-Chlordane						M
1	4.192	4.197	-0.005	36191815H	0.2840	M
2	4.677	4.680	-0.003	69573141H	0.5041	M
					RPD = 55.85	
15 Endosulfan I						M
1	4.243	4.242	0.001	24172370H	0.2044	M
2	4.710	4.710	0.000	61626311H	0.4558	M
					RPD = 76.16	
16 4,4'-DDE						M
1	4.368	4.373	-0.005	564942063H	3.99	M
2	4.802	4.807	-0.005	498496559H	4.20	M
					RPD = 5.18	
18 Dieldrin						M
1	4.475	4.480	-0.005	92346955H	0.6646	M
2	4.910	4.915	-0.005	74631329H	0.6304	M
					RPD = 5.28	
19 Endrin						M
1	4.728	4.733	-0.005	21600121H	0.1711	M
2	5.077	5.093	-0.016	57035467H	0.6472	
					RPD = 116.36	
21 Toxaphene						MU
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						M
1	4.830	4.835	-0.005	1412087154H	11.8	M
2	5.203	5.208	-0.005	578682446H	10.5	
					RPD = 11.54	
23 Endosulfan II						M
1	4.943	4.942	0.001	27744797H	0.2239	M
2	5.307	5.298	0.009	9327925H	0.1506	
					RPD = 39.16	
25 Endrin aldehyde						M
1	5.100	5.117	-0.017	116992355H	1.15	M
2	5.363	5.380	-0.017	118318099H	2.55	
					RPD = 75.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						M
1	5.033	5.043	-0.010	378376969H	3.59	M
2	5.410	5.437	-0.027	206161970H	5.94	
					RPD = 49.34	
27 Endosulfan sulfate						
1	5.275	5.267	0.008	89637032H	0.7599	
2	5.585	5.592	-0.007	26842907H	0.5459	
					RPD = 32.79	
28 Methoxychlor						M
1	5.540	5.543	-0.003	15953818H	0.2960	M
2	5.762	5.762	0.000	3321106H	0.1808	
					RPD = 48.32	
29 Endrin ketone						M
1	5.695	5.702	-0.007	18926964H	0.1390	M
2	5.908	5.897	0.011	695346H	0.0117	
					RPD = 168.87	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.445	6.450	-0.005	753581120H	6.22	M
2	6.933	6.945	-0.012	426199670H	9.31	
					RPD = 39.80	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 20-Dec-2023 12:13:44 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D

Injection Date: 20-Dec-2023 10:26:00 Instrument ID: 9147

Lims ID: 410-154654-A-7-A Lab Sample ID: 410-154654-7

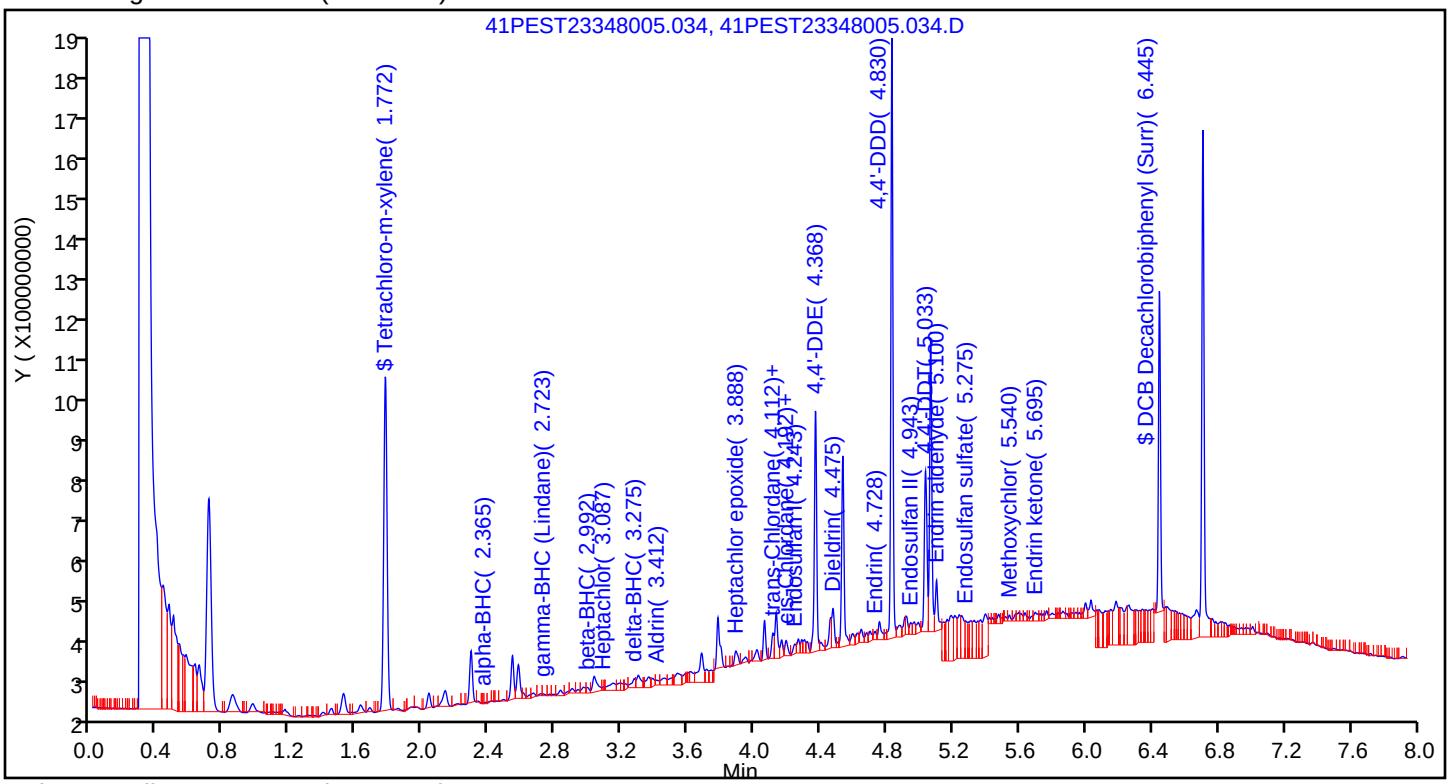
Client ID: MW-2D-UF-20231212

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 34

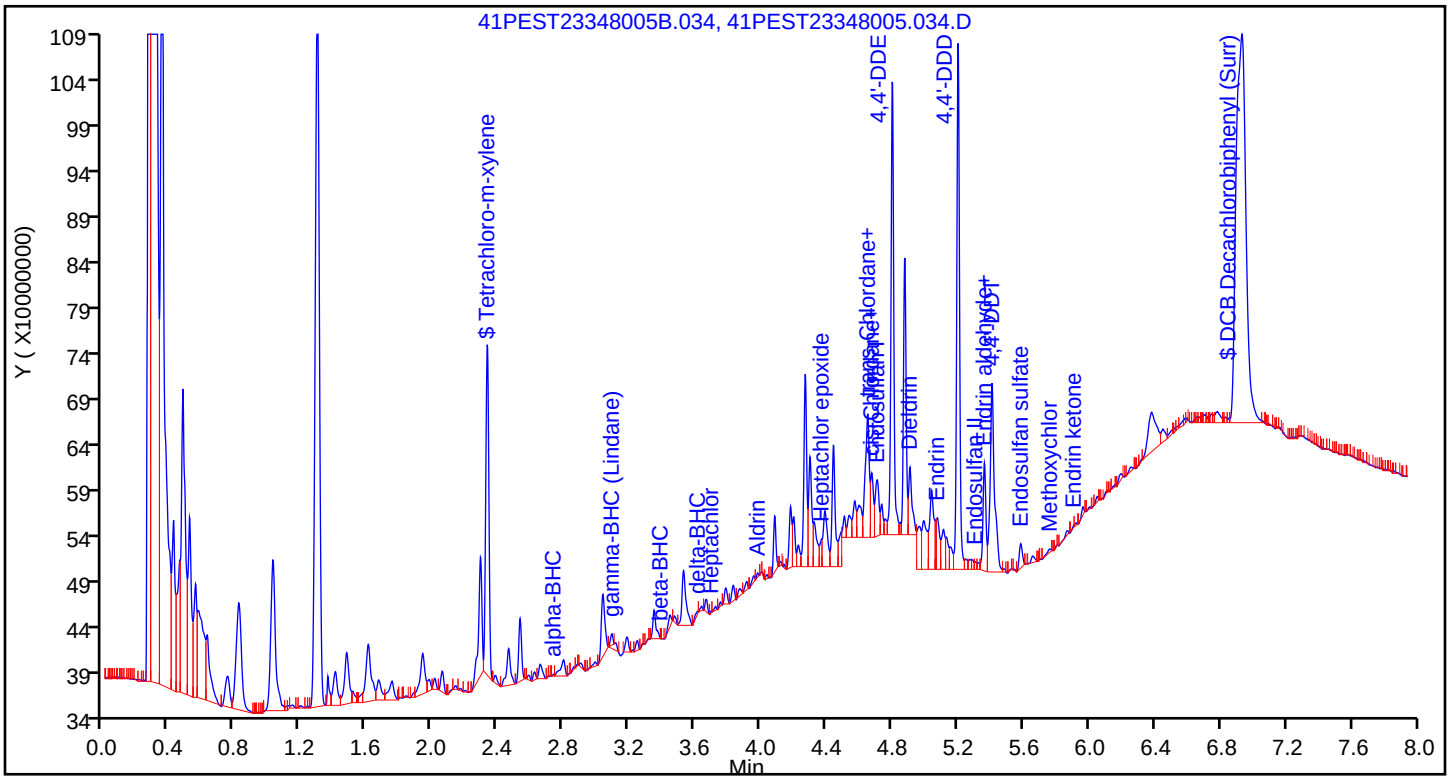
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Lims ID:	410-154654-A-7-A				
Client ID:	MW-2D-UF-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 10:26:00	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-7-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:11:59		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.61	64.03
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	6.22	41.44

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.16	61.03
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.31	62.03

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

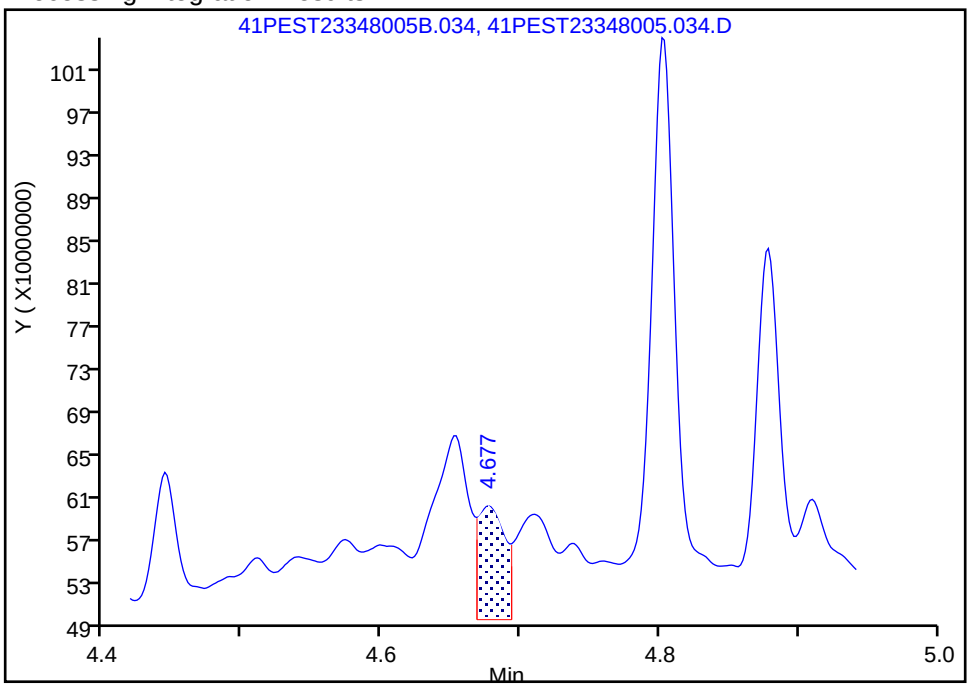
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Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

14 cis-Chlordane, CAS: 5103-71-9

Signal: 1

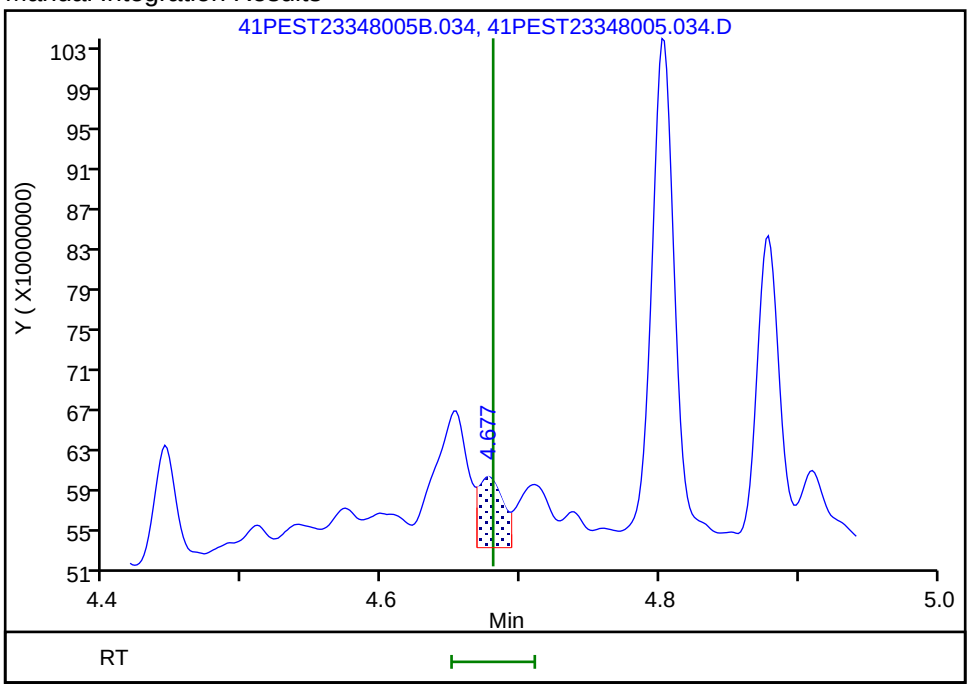
Processing Integration Results

RT: 4.68
Height: 105086051
Amount: 0.761359
Amount Units: ug/l



Manual Integration Results

RT: 4.68
Height: 69573141
Amount: 0.504064
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:46 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

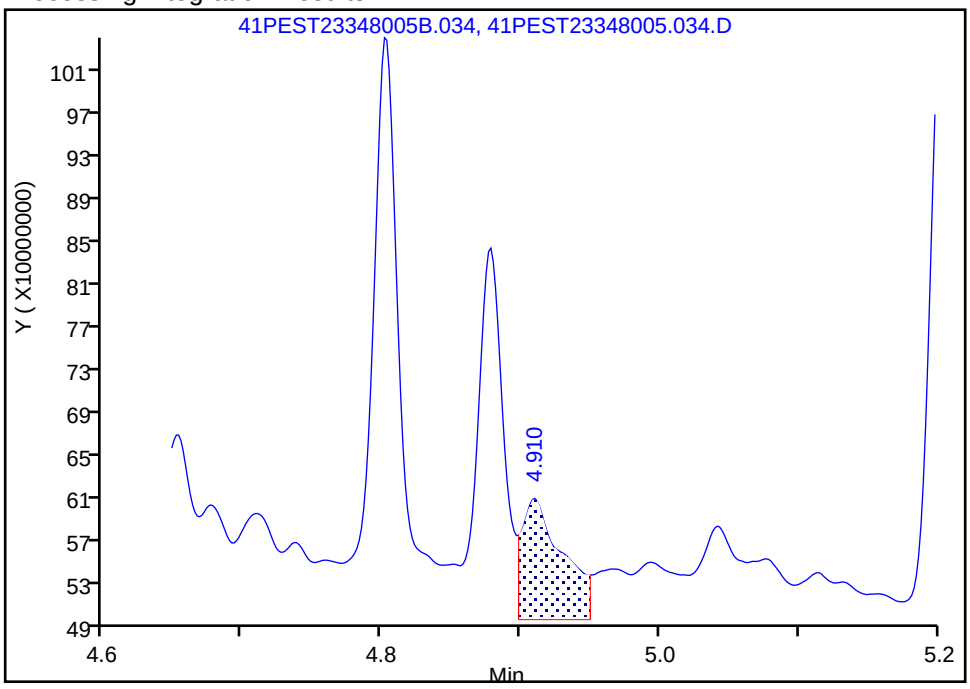
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Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

18 Dieldrin, CAS: 60-57-1

Signal: 1

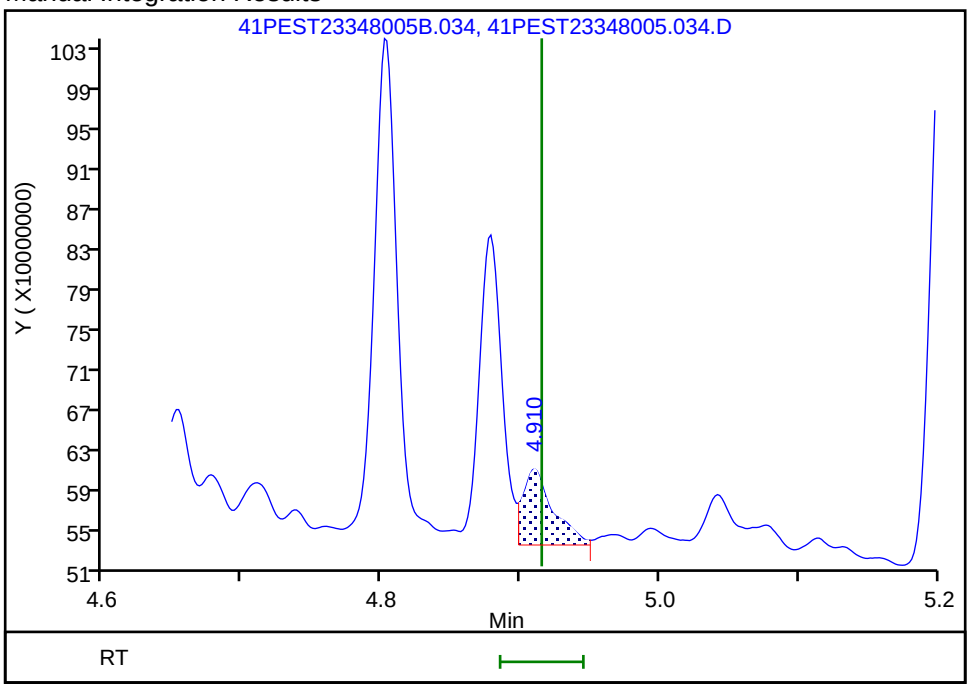
Processing Integration Results

RT: 4.91
Height: 111806341
Amount: 0.944483
Amount Units: ug/l



Manual Integration Results

RT: 4.91
Height: 74631329
Amount: 0.630447
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:46 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

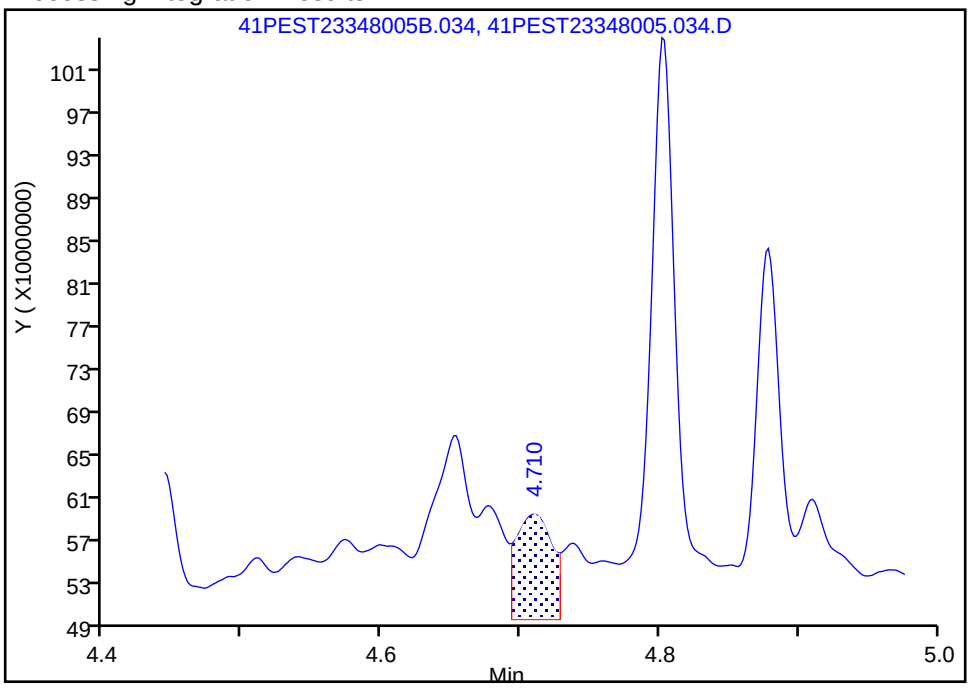
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

15 Endosulfan I, CAS: 959-98-8

Signal: 1

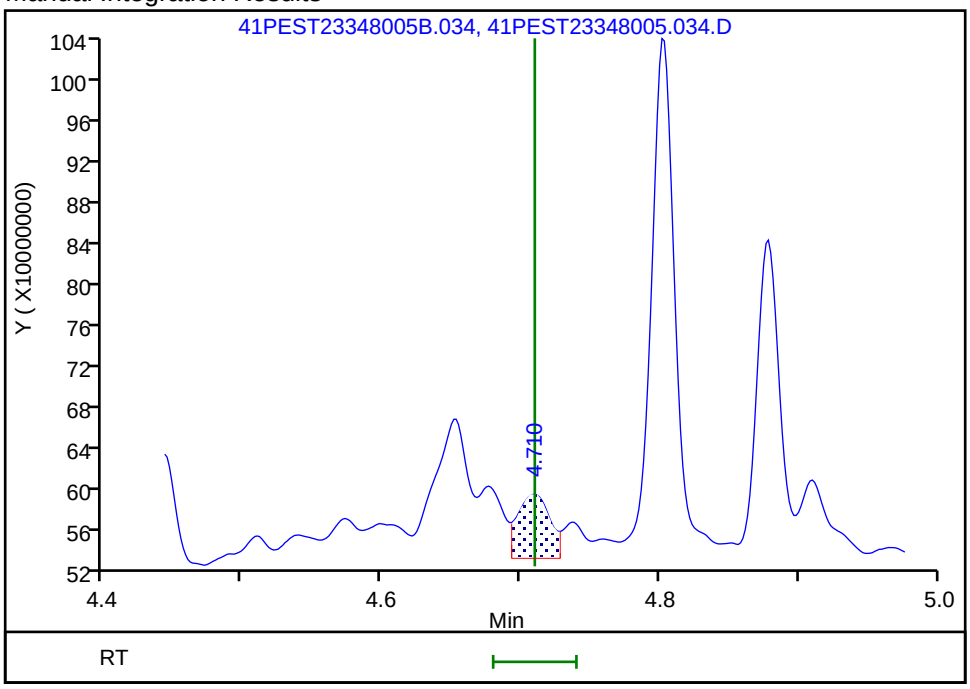
Processing Integration Results

RT: 4.71
Height: 97376664
Amount: 0.720215
Amount Units: ug/l



Manual Integration Results

RT: 4.71
Height: 61626311
Amount: 0.455799
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:46 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

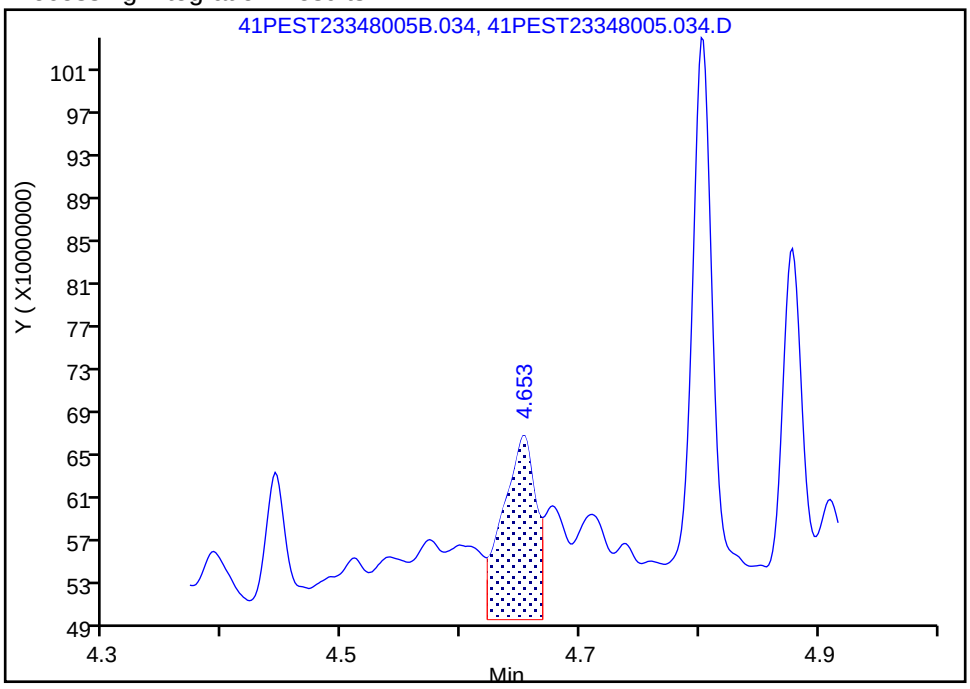
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Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

13 trans-Chlordane, CAS: 5103-74-2

Signal: 1

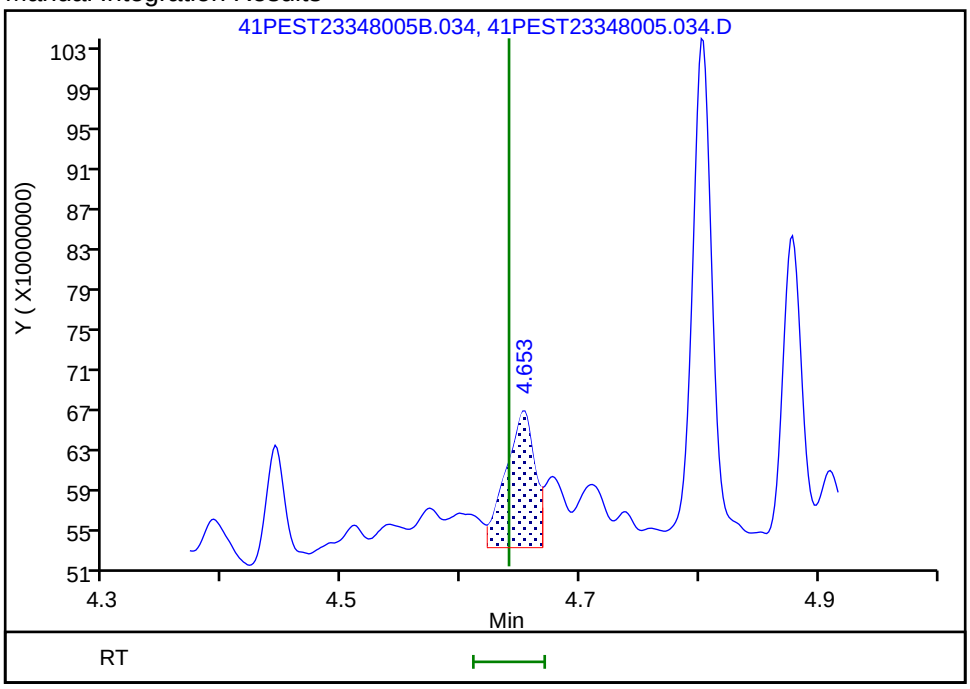
Processing Integration Results

RT: 4.65
Height: 169182523
Amount: 1.208379
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Height: 133835823
Amount: 0.955916
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:46 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

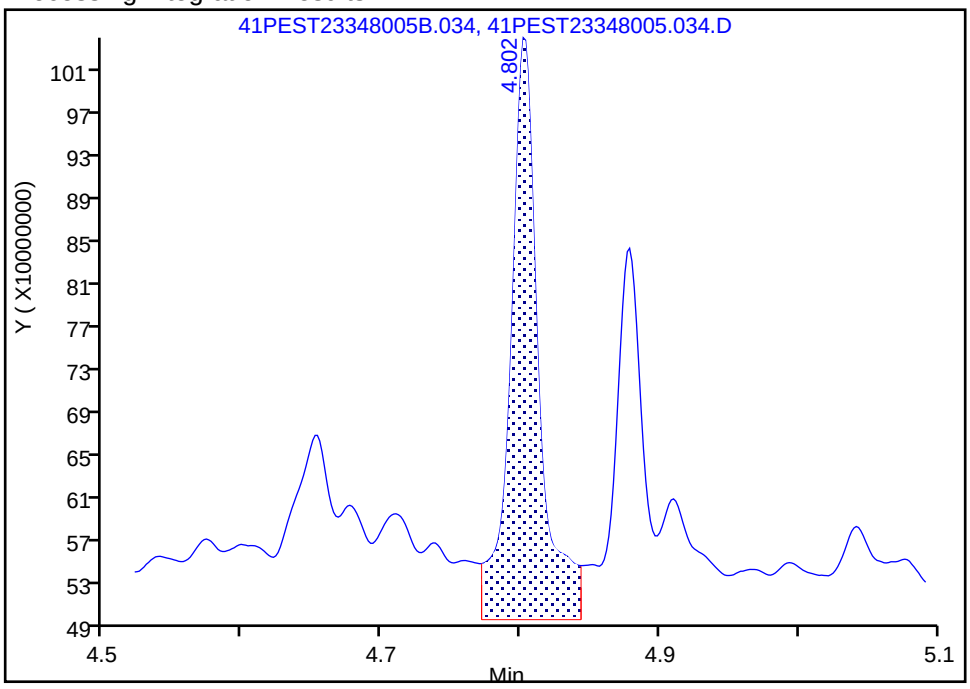
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.034.D				
Injection Date:	20-Dec-2023 10:26:00	Instrument ID:	9147		
Lims ID:	410-154654-A-7-A	Lab Sample ID:	410-154654-7		
Client ID:	MW-2D-UF-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

16 4,4'-DDE, CAS: 72-55-9

Signal: 1

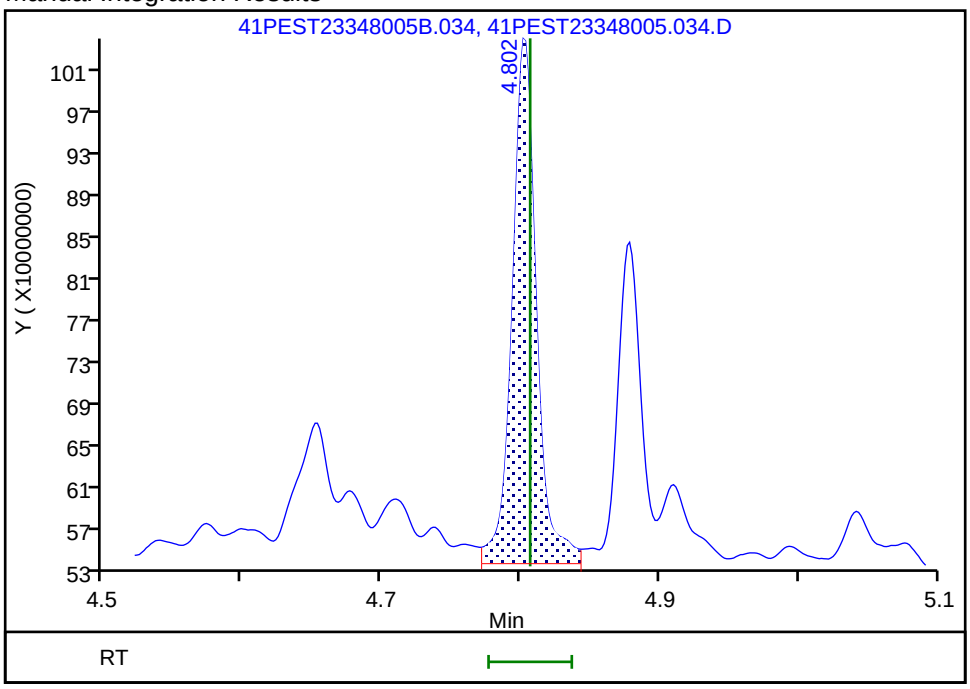
Processing Integration Results

RT: 4.80
Height: 534899881
Amount: 4.505845
Amount Units: ug/l



Manual Integration Results

RT: 4.80
Height: 498496559
Amount: 4.199194
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:46 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-2D-F-20231212
Lab Sample ID: 410-154654-8

Matrix: Water
Lab File ID: 41PEST23348005.035.D

Analysis Method: 8081B
Date Collected: 12/12/2023 12:55

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250(mL)
Date Analyzed: 12/20/2023 10:41

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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	0.011	J	0.030	0.0050
72-55-9	p,p'-DDE	ND		0.030	0.0050
50-29-3	p,p'-DDT	0.052	p	0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	52		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	70		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.035.D
Lims ID: 410-154654-A-8-A
Client ID: MW-2D-F-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 10:41:00 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-8-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:11:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.775	1.778	-0.003	858033749H	10.5	
2	2.337	2.340	-0.003	400151142H	10.1	
					RPD = 3.82	
2 alpha-BHC						
1	2.362	2.363	-0.001	480382H	0.003764	
2	2.755	2.750	0.005	280229H	0.001926	
					RPD = 64.61	
4 gamma-BHC (Lindane)						
1	2.718	2.732	-0.014	4398075H	0.0356	
2	3.097	3.088	0.009	17111200H	0.1158	
					RPD = 105.84	
5 beta-BHC						
1	2.997	2.982	0.015	387583954H	7.31	
2	3.352	3.375	-0.023	29194140H	0.5026	
					RPD = 174.27	
7 delta-BHC						
1	3.282	3.268	0.014	10559021H	0.0752	
2	3.617	3.628	-0.011	18331832H	0.1009	
					RPD = 29.24	
8 Heptachlor						
1	3.083	3.090	-0.007	5670611H	0.0516	
2	3.670	3.688	-0.018	23508492H	0.1377	
					RPD = 91.01	
9 Aldrin						M
1	3.383	3.400	-0.017	5847156H	0.0468	
2	3.967	3.988	-0.021	25394062H	0.1473	M
					RPD = 103.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.925	3.910	0.015	5561610H	0.0453	
2	4.368	4.375	-0.007	47043712H	0.3035	
					RPD = 148.06	
13 trans-Chlordane						M
1	4.117	4.113	0.004	25135981H	0.1957	
2	4.655	4.640	0.015	128686340H	0.9191	M
					RPD = 129.78	
14 cis-Chlordane						M
1	4.195	4.197	-0.002	15328269H	0.1203	
2	4.682	4.680	0.002	38433340H	0.2785	M
					RPD = 79.34	
15 Endosulfan I						M
1	4.242	4.242	0.000	16511149H	0.1396	
2	4.707	4.710	-0.003	43873965H	0.3245	M
					RPD = 79.67	
16 4,4'-DDE						M
1	4.373	4.373	0.000	27193061H	0.1919	
2	4.807	4.807	0.000	29179277H	0.2458	M
					RPD = 24.62	
18 Dieldrin						M
1	4.497	4.480	0.017	12168178H	0.0876	
2	4.903	4.915	-0.012	9091402H	0.0768	M
					RPD = 13.11	
19 Endrin						
1	4.730	4.733	-0.003	24092834H	0.1909	
2	5.077	5.093	-0.016	29889830H	0.3392	
					RPD = 55.96	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.832	4.835	-0.003	64908329H	0.5406	
2	5.205	5.208	-0.003	21762661H	0.3940	
					RPD = 31.36	
23 Endosulfan II						
1	4.942	4.942	0.000	24706306H	0.1994	
2	5.295	5.298	-0.003	4329674H	0.0699	
					RPD = 96.18	
25 Endrin aldehyde						
1	5.122	5.117	0.005	17296525H	0.1703	
2	5.367	5.380	-0.013	82045015H	1.77	
					RPD = 164.80	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						a
1	5.033	5.043	-0.010	275323952H	2.61	
2	5.413	5.437	-0.024	160068197H	4.61	a
					RPD = 55.38	
27 Endosulfan sulfate						
1	5.265	5.267	-0.002	8062836H	0.0684	
2	5.602	5.592	0.010	743766H	0.0151	
					RPD = 127.53	
28 Methoxychlor						
1	5.540	5.543	-0.003	11013311H	0.2044	
2	5.758	5.762	-0.004	737993H	0.0402	
					RPD = 134.27	
29 Endrin ketone						
1	5.703	5.702	0.001	12055812H	0.0885	
2	5.883	5.897	-0.014	495219H	0.008354	
					RPD = 165.51	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.448	6.450	-0.002	939033935H	7.75	
2	6.940	6.945	-0.005	419216337H	9.16	
					RPD = 16.65	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

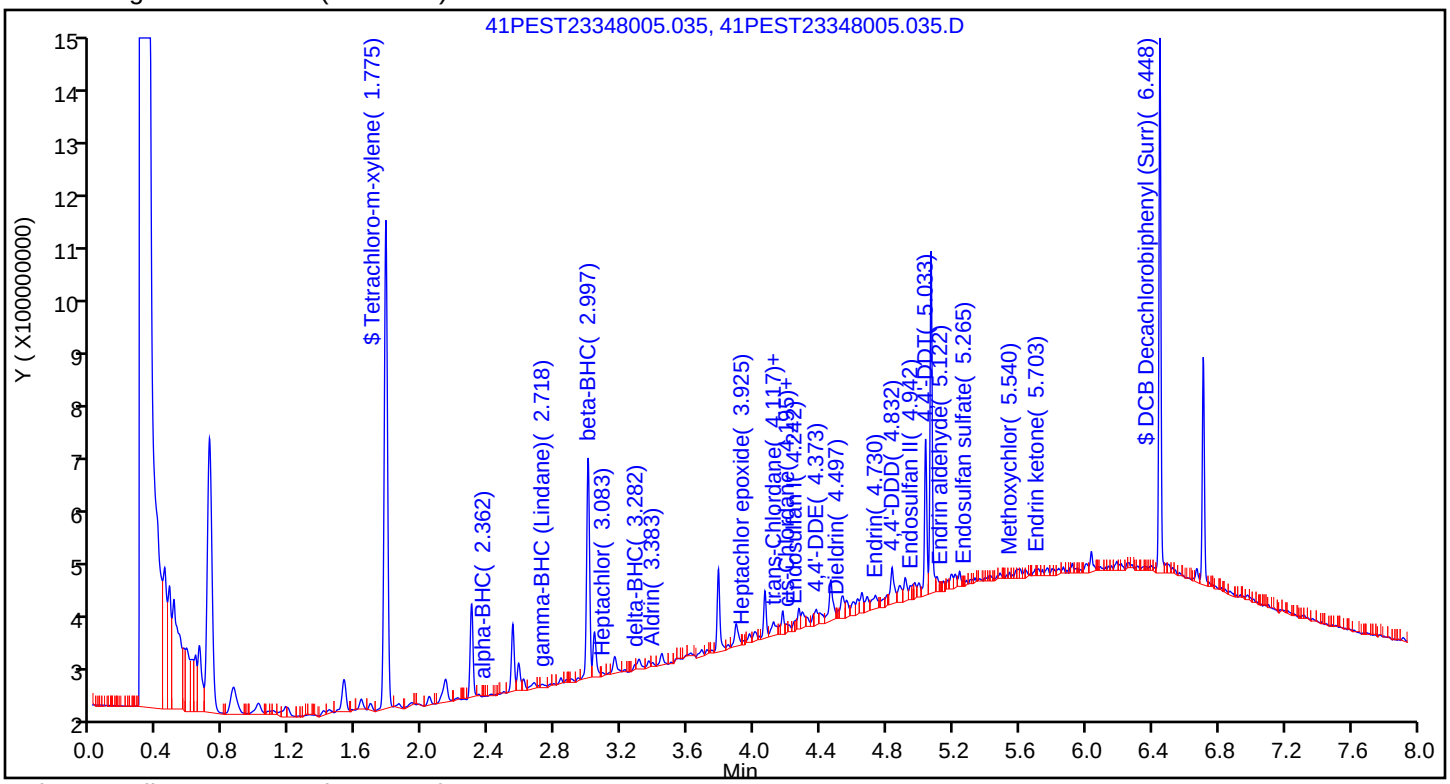
Report Date: 20-Dec-2023 12:13:47 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

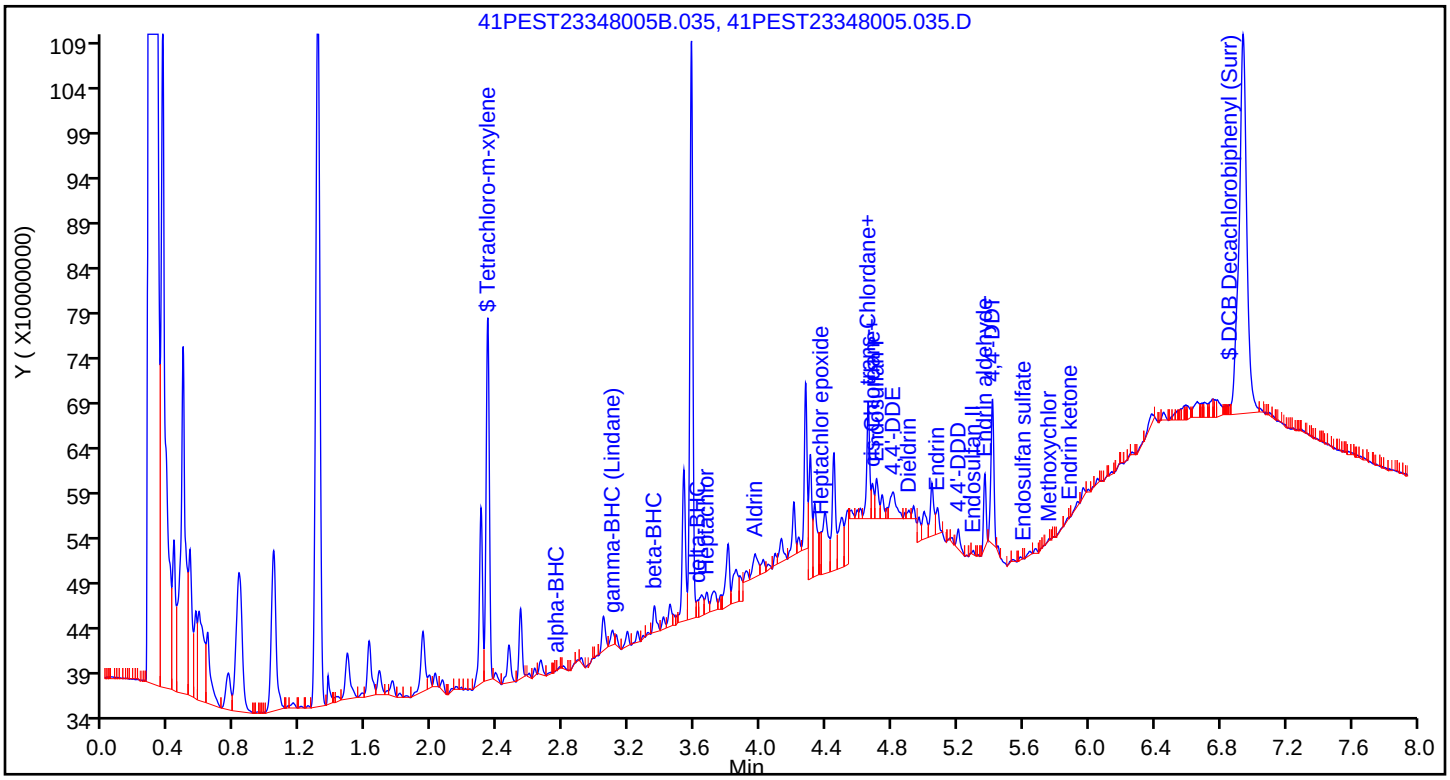
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Injection Date:	20-Dec-2023 10:41:00	Instrument ID:	9147		
Lims ID:	410-154654-A-8-A	Lab Sample ID:	410-154654-8		
Client ID:	MW-2D-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.035.D				
Lims ID:	410-154654-A-8-A				
Client ID:	MW-2D-F-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 10:41:00	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-8-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:11:15		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.5	69.84
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	7.75	51.64

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.1	67.22
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.16	61.02

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-2D-F-20231212
Lab Sample ID: 410-154654-8

Matrix: Water
Lab File ID: 41PEST23348005.035.D

Analysis Method: 8081B
Date Collected: 12/12/2023 12:55

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250(mL)
Date Analyzed: 12/20/2023 10:41

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-85-7	beta-BHC	ND		0.030	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	61		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	67		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.035.D
Lims ID: 410-154654-A-8-A
Client ID: MW-2D-F-20231212
Sample Type: Client
Inject. Date: 20-Dec-2023 10:41:00 ALS Bottle#: 0 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-8-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:11:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.775	1.778	-0.003	858033749H	10.5	
2	2.337	2.340	-0.003	400151142H	10.1	
					RPD = 3.82	
2 alpha-BHC						
1	2.362	2.363	-0.001	480382H	0.003764	
2	2.755	2.750	0.005	280229H	0.001926	
					RPD = 64.61	
4 gamma-BHC (Lindane)						
1	2.718	2.732	-0.014	4398075H	0.0356	
2	3.097	3.088	0.009	17111200H	0.1158	
					RPD = 105.84	
5 beta-BHC						
1	2.997	2.982	0.015	387583954H	7.31	
2	3.352	3.375	-0.023	29194140H	0.5026	
					RPD = 174.27	
7 delta-BHC						
1	3.282	3.268	0.014	10559021H	0.0752	
2	3.617	3.628	-0.011	18331832H	0.1009	
					RPD = 29.24	
8 Heptachlor						
1	3.083	3.090	-0.007	5670611H	0.0516	
2	3.670	3.688	-0.018	23508492H	0.1377	
					RPD = 91.01	
9 Aldrin						M
1	3.383	3.400	-0.017	5847156H	0.0468	
2	3.967	3.988	-0.021	25394062H	0.1473	M
					RPD = 103.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.925	3.910	0.015	5561610H	0.0453	
2	4.368	4.375	-0.007	47043712H	0.3035	
					RPD = 148.06	
13 trans-Chlordane						M
1	4.117	4.113	0.004	25135981H	0.1957	
2	4.655	4.640	0.015	128686340H	0.9191	M
					RPD = 129.78	
14 cis-Chlordane						M
1	4.195	4.197	-0.002	15328269H	0.1203	
2	4.682	4.680	0.002	38433340H	0.2785	M
					RPD = 79.34	
15 Endosulfan I						M
1	4.242	4.242	0.000	16511149H	0.1396	
2	4.707	4.710	-0.003	43873965H	0.3245	M
					RPD = 79.67	
16 4,4'-DDE						M
1	4.373	4.373	0.000	27193061H	0.1919	
2	4.807	4.807	0.000	29179277H	0.2458	M
					RPD = 24.62	
18 Dieldrin						M
1	4.497	4.480	0.017	12168178H	0.0876	
2	4.903	4.915	-0.012	9091402H	0.0768	M
					RPD = 13.11	
19 Endrin						
1	4.730	4.733	-0.003	24092834H	0.1909	
2	5.077	5.093	-0.016	29889830H	0.3392	
					RPD = 55.96	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.832	4.835	-0.003	64908329H	0.5406	
2	5.205	5.208	-0.003	21762661H	0.3940	
					RPD = 31.36	
23 Endosulfan II						
1	4.942	4.942	0.000	24706306H	0.1994	
2	5.295	5.298	-0.003	4329674H	0.0699	
					RPD = 96.18	
25 Endrin aldehyde						
1	5.122	5.117	0.005	17296525H	0.1703	
2	5.367	5.380	-0.013	82045015H	1.77	
					RPD = 164.80	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						a
1	5.033	5.043	-0.010	275323952H	2.61	
2	5.413	5.437	-0.024	160068197H	4.61	a
					RPD = 55.38	
27 Endosulfan sulfate						
1	5.265	5.267	-0.002	8062836H	0.0684	
2	5.602	5.592	0.010	743766H	0.0151	
					RPD = 127.53	
28 Methoxychlor						
1	5.540	5.543	-0.003	11013311H	0.2044	
2	5.758	5.762	-0.004	737993H	0.0402	
					RPD = 134.27	
29 Endrin ketone						
1	5.703	5.702	0.001	12055812H	0.0885	
2	5.883	5.897	-0.014	495219H	0.008354	
					RPD = 165.51	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.448	6.450	-0.002	939033935H	7.75	
2	6.940	6.945	-0.005	419216337H	9.16	
					RPD = 16.65	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

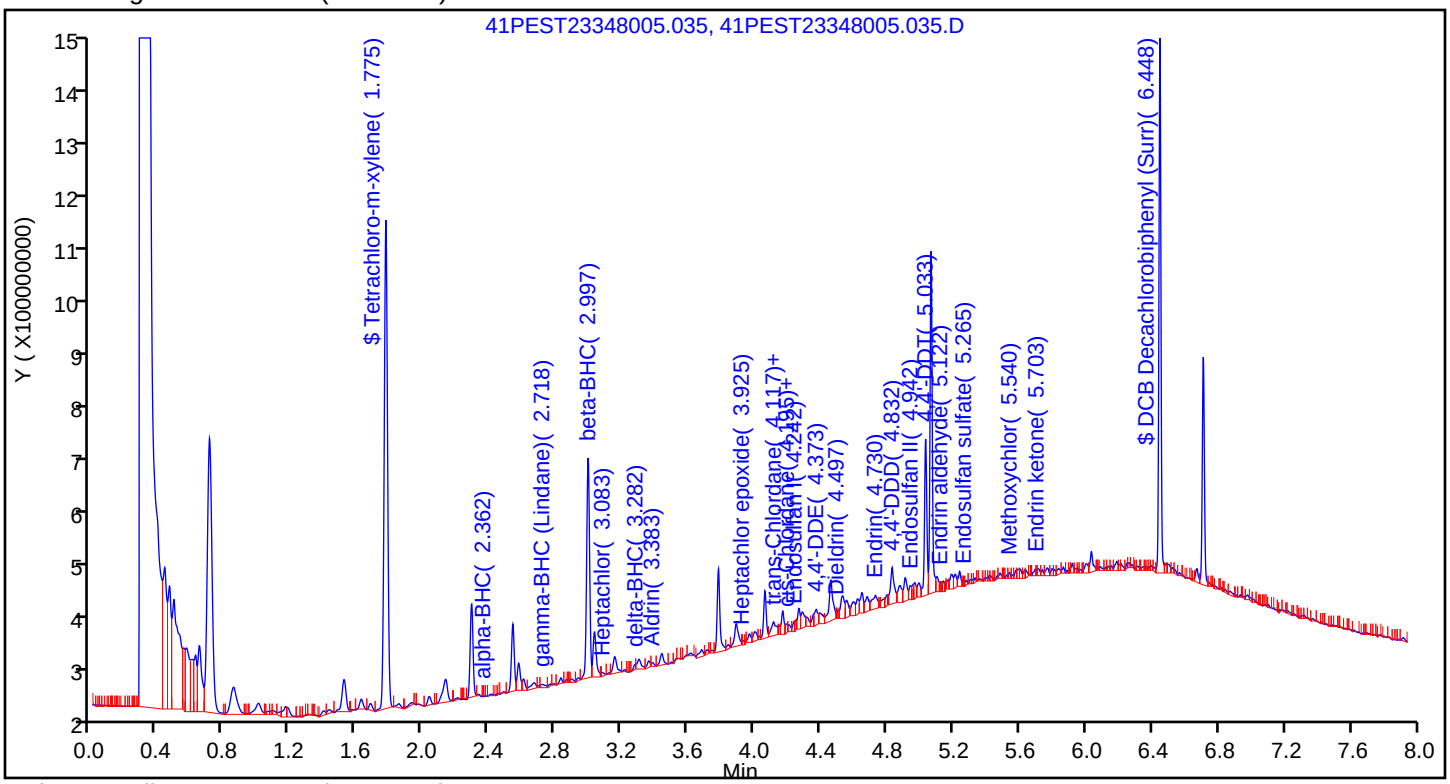
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Eurofins Lancaster Laboratories Environment Testing, LLC

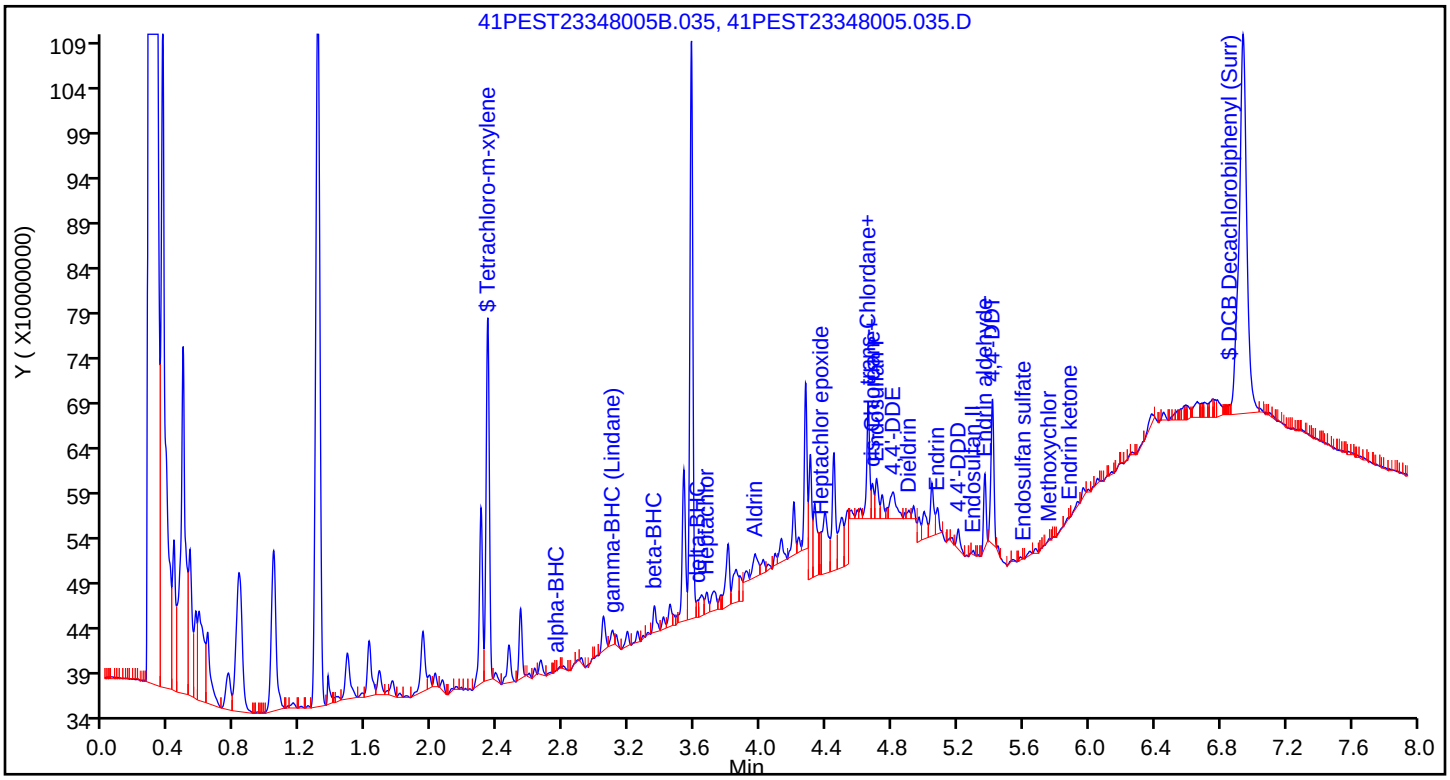
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Injection Date:	20-Dec-2023 10:41:00	Instrument ID:	9147		
Lims ID:	410-154654-A-8-A	Lab Sample ID:	410-154654-8		
Client ID:	MW-2D-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.035.D				
Lims ID:	410-154654-A-8-A				
Client ID:	MW-2D-F-20231212				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 10:41:00	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-8-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:11:15		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.5	69.84
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	7.75	51.64

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.1	67.22
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.16	61.02

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

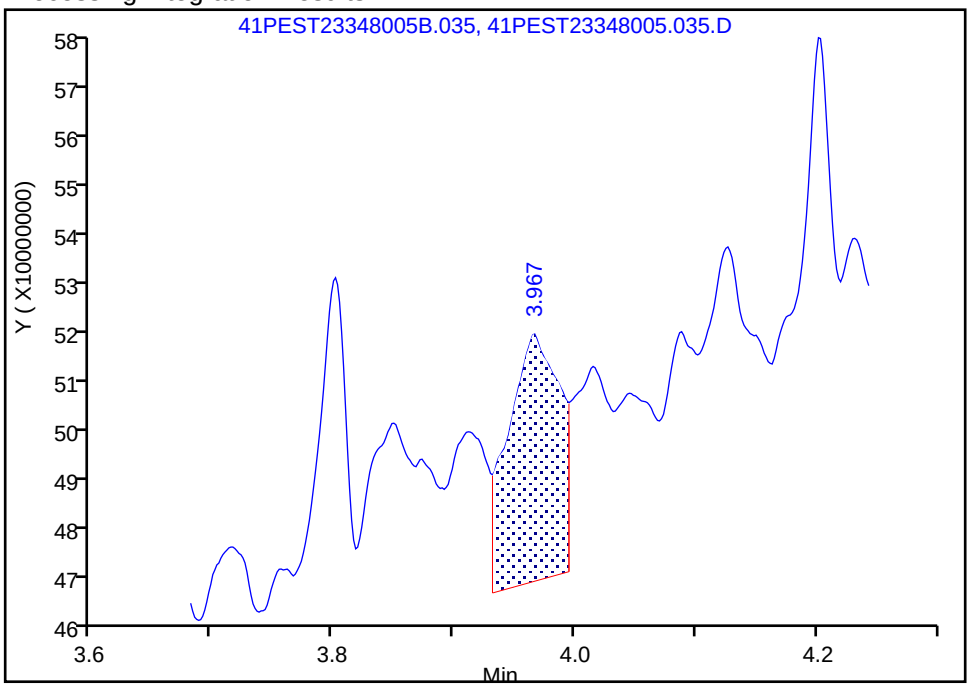
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Injection Date:	20-Dec-2023 10:41:00	Instrument ID:	9147		
Lims ID:	410-154654-A-8-A	Lab Sample ID:	410-154654-8		
Client ID:	MW-2D-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

9 Aldrin, CAS: 309-00-2

Signal: 1

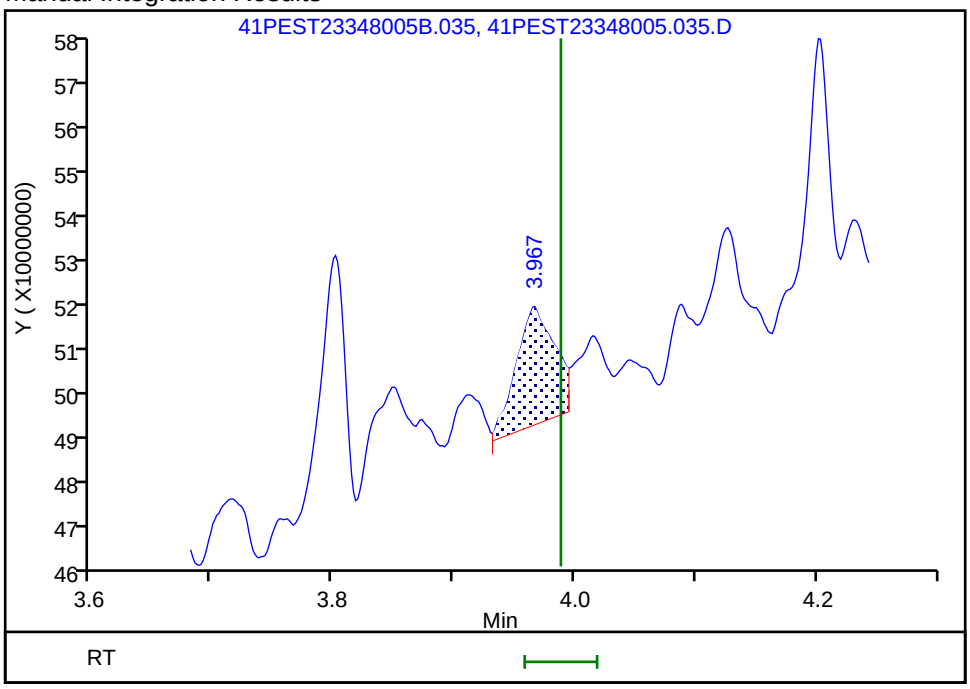
Processing Integration Results

RT: 3.97
Height: 47632491
Amount: 0.276243
Amount Units: ug/l



Manual Integration Results

RT: 3.97
Height: 25394062
Amount: 0.147272
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:10:59 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

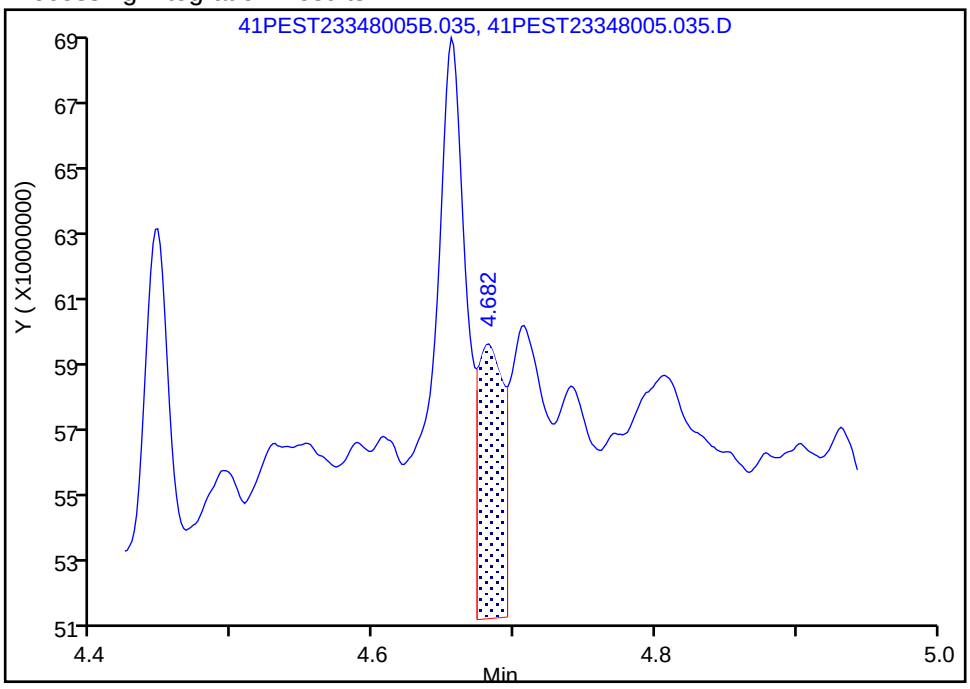
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.035.D				
Injection Date:	20-Dec-2023 10:41:00	Instrument ID:	9147		
Lims ID:	410-154654-A-8-A	Lab Sample ID:	410-154654-8		
Client ID:	MW-2D-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

14 cis-Chlordane, CAS: 5103-71-9

Signal: 1

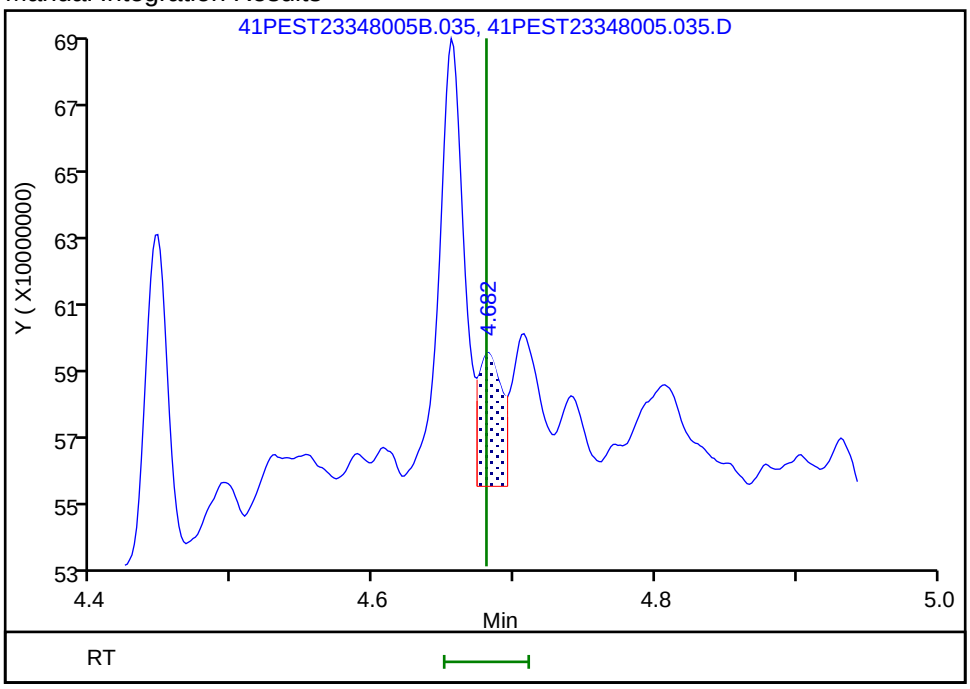
Processing Integration Results

RT: 4.68
Height: 80959095
Amount: 0.586557
Amount Units: ug/l



Manual Integration Results

RT: 4.68
Height: 38433340
Amount: 0.278453
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:01 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

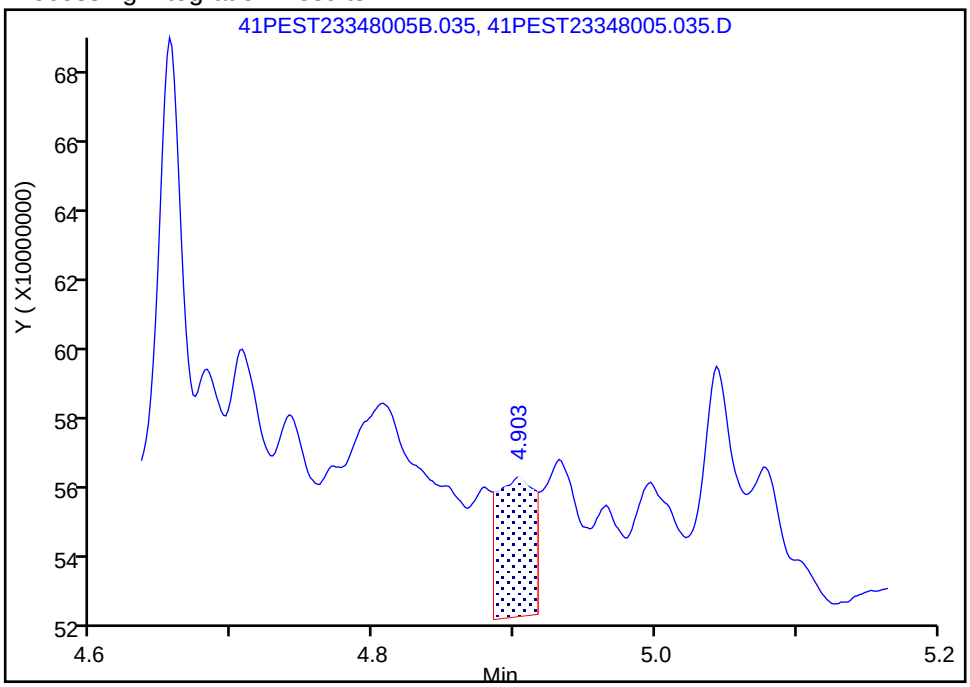
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.035.D				
Injection Date:	20-Dec-2023 10:41:00	Instrument ID:	9147		
Lims ID:	410-154654-A-8-A	Lab Sample ID:	410-154654-8		
Client ID:	MW-2D-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

18 Dieldrin, CAS: 60-57-1

Signal: 1

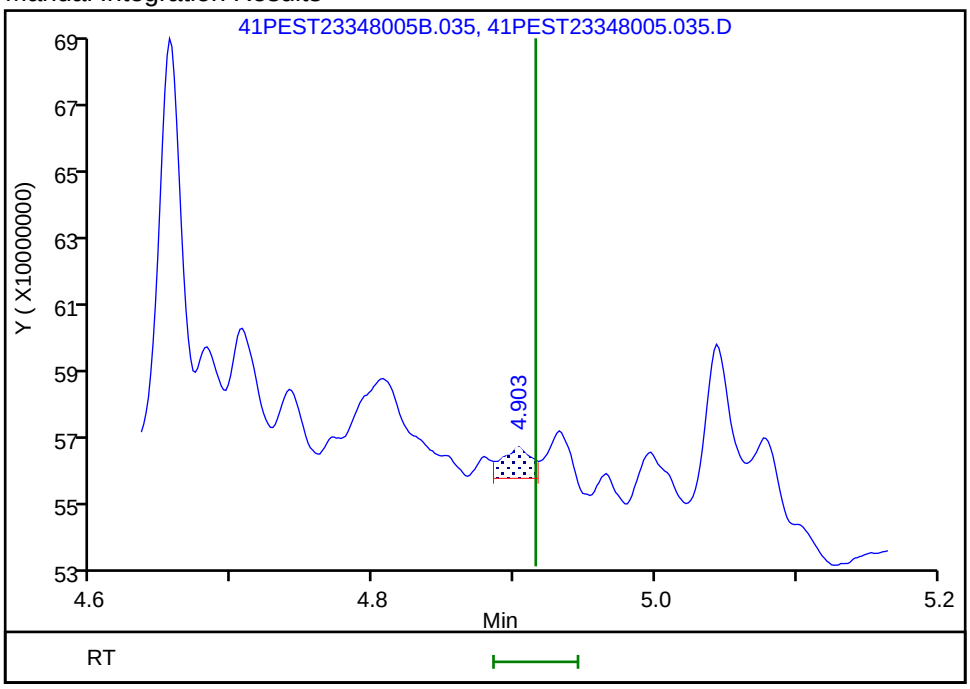
RT: 4.90
Height: 37906223
Amount: 0.320212
Amount Units: ug/l

Processing Integration Results



RT: 4.90
Height: 9091402
Amount: 0.076800
Amount Units: ug/l

Manual Integration Results



Reviewer: UAMZ, 20-Dec-2023 12:11:01 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

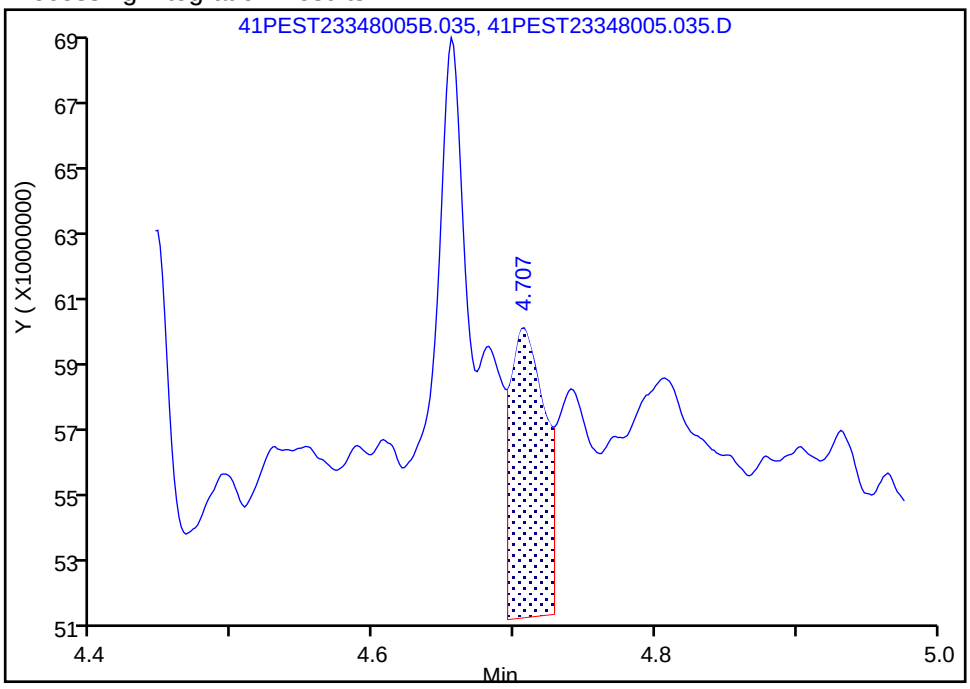
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.035.D				
Injection Date:	20-Dec-2023 10:41:00	Instrument ID:	9147		
Lims ID:	410-154654-A-8-A	Lab Sample ID:	410-154654-8		
Client ID:	MW-2D-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

15 Endosulfan I, CAS: 959-98-8

Signal: 1

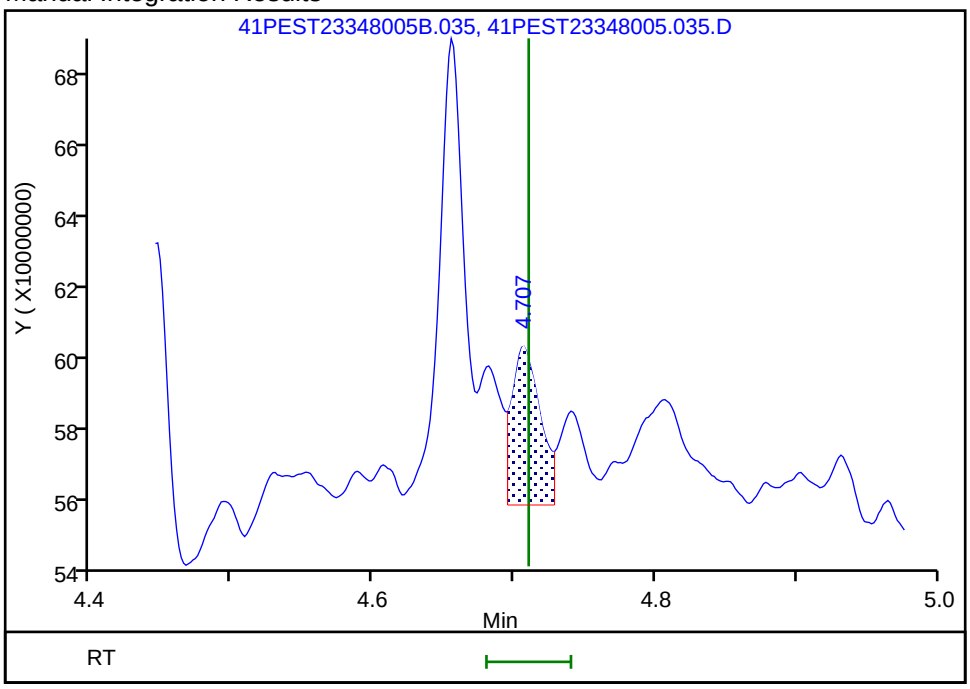
Processing Integration Results

RT: 4.71
Height: 84853374
Amount: 0.627590
Amount Units: ug/l



Manual Integration Results

RT: 4.71
Height: 43873965
Amount: 0.324499
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:01 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

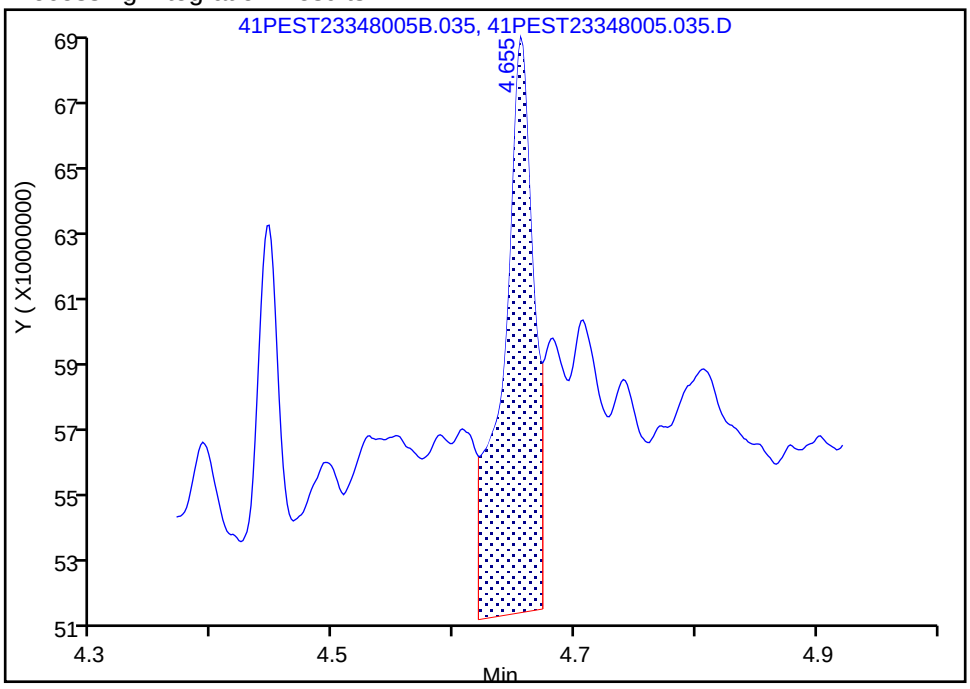
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Injection Date:	20-Dec-2023 10:41:00	Instrument ID:	9147		
Lims ID:	410-154654-A-8-A	Lab Sample ID:	410-154654-8		
Client ID:	MW-2D-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

13 trans-Chlordane, CAS: 5103-74-2

Signal: 1

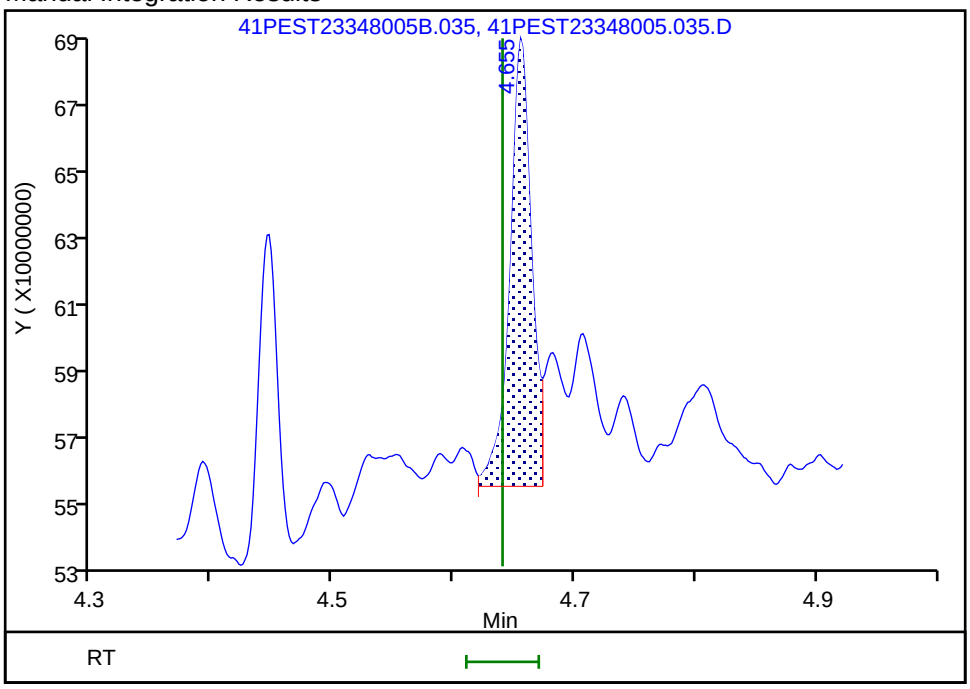
Processing Integration Results

RT: 4.66
Height: 172861530
Amount: 1.234656
Amount Units: ug/l



Manual Integration Results

RT: 4.66
Height: 128686340
Amount: 0.919137
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:01 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

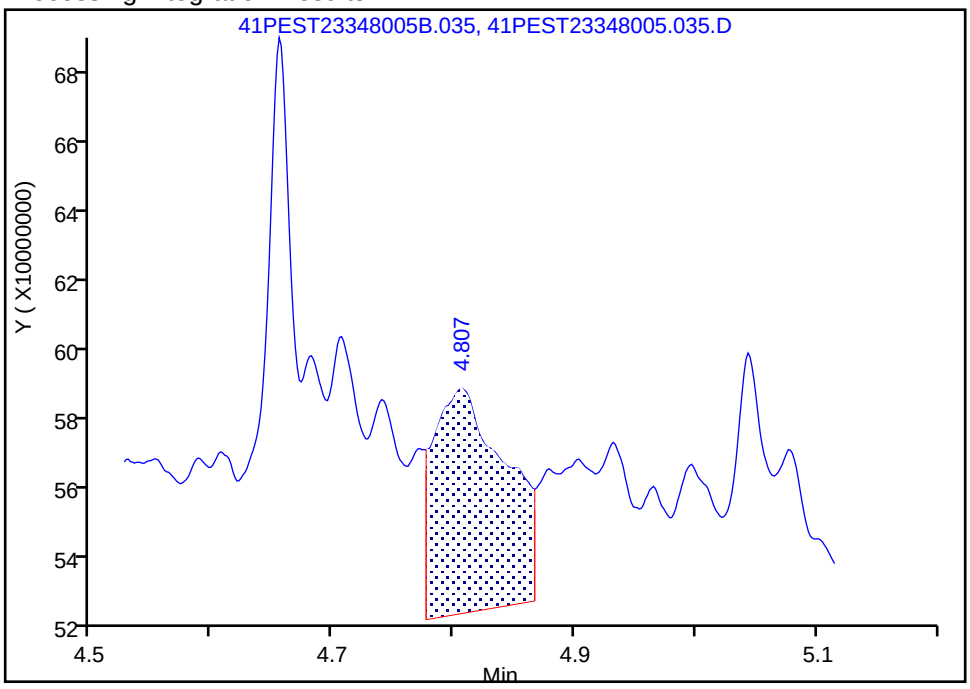
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.035.D				
Injection Date:	20-Dec-2023 10:41:00	Instrument ID:	9147		
Lims ID:	410-154654-A-8-A	Lab Sample ID:	410-154654-8		
Client ID:	MW-2D-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

16 4,4'-DDE, CAS: 72-55-9

Signal: 1

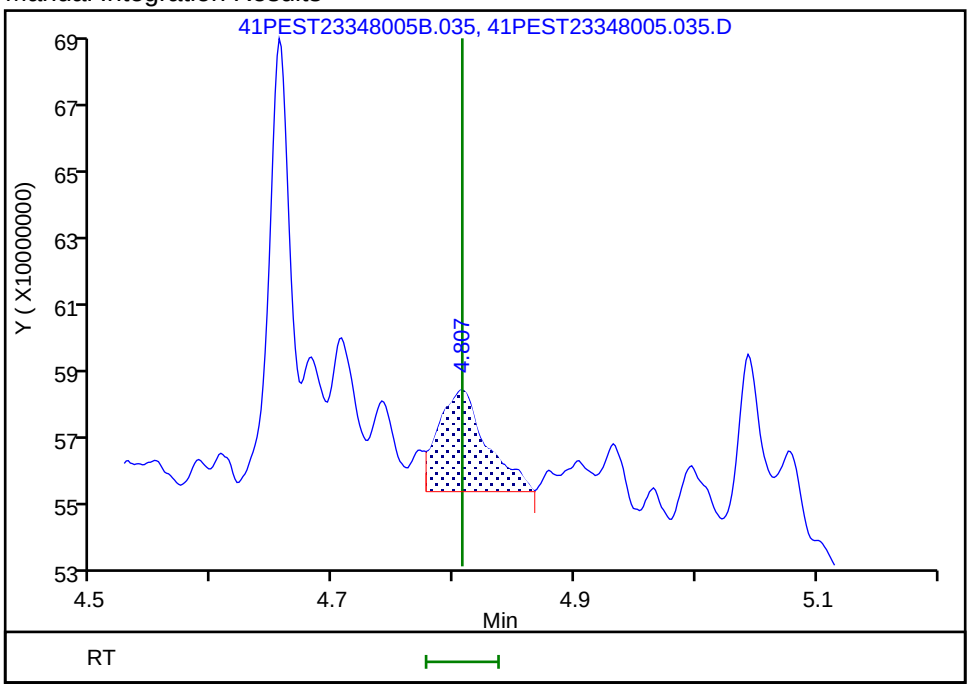
Processing Integration Results

RT: 4.81
Height: 63973302
Amount: 0.538893
Amount Units: ug/l



Manual Integration Results

RT: 4.81
Height: 29179277
Amount: 0.245798
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:11:01 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

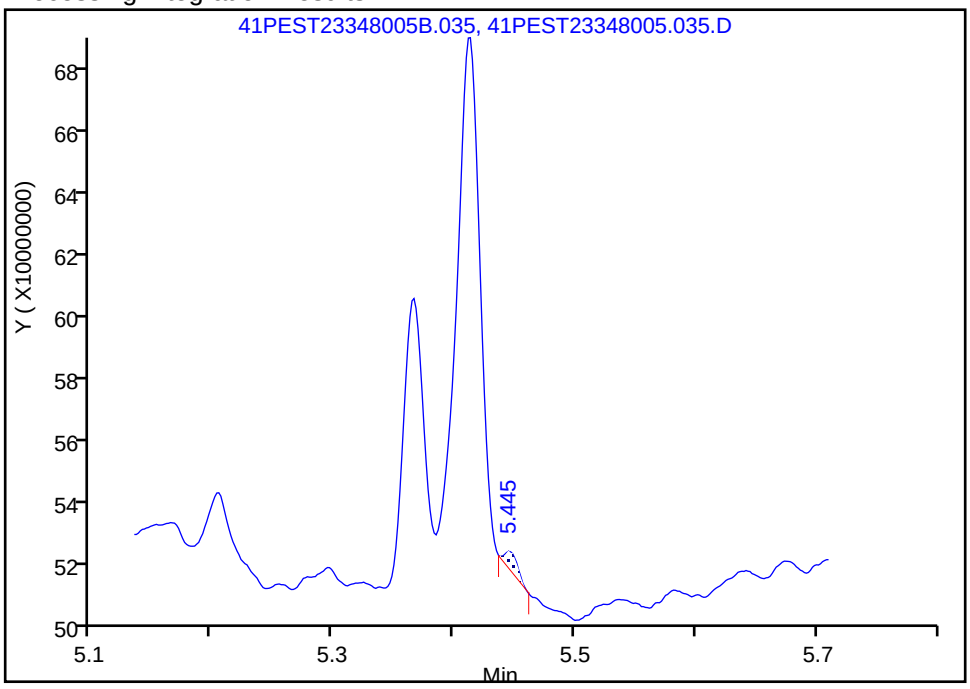
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.035.D				
Injection Date:	20-Dec-2023 10:41:00	Instrument ID:	9147		
Lims ID:	410-154654-A-8-A	Lab Sample ID:	410-154654-8		
Client ID:	MW-2D-F-20231212				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

26 4,4'-DDT, CAS: 50-29-3

Signal: 1

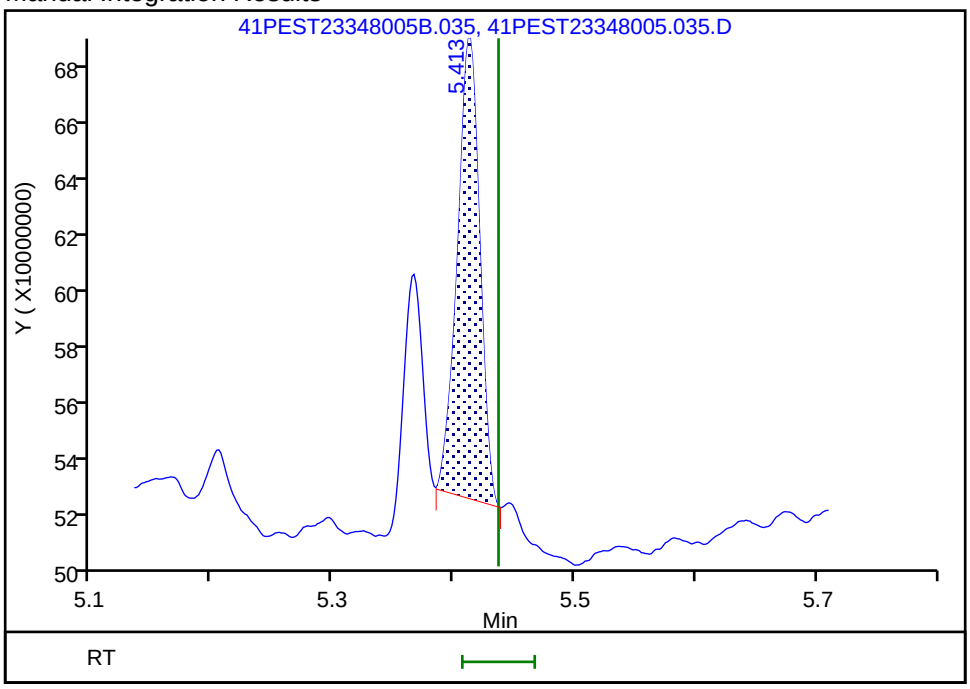
Processing Integration Results

RT: 5.45
Height: 5287563
Amount: 0.152366
Amount Units: ug/l



Manual Integration Results

RT: 5.41
Height: 160068197
Amount: 4.612520
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:10:46 -05:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: DUP-20231212-UF
Lab Sample ID: 410-154654-9

Matrix: Water
Lab File ID: 41PEST23348005.036.D

Analysis Method: 8081B
Date Collected: 12/12/2023 00:00

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 249.6(mL)
Date Analyzed: 12/20/2023 10:55

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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	0.014	J	0.020	0.0030
5103-71-9	alpha-Chlordane	0.0068	J	0.020	0.0030
319-85-7	beta-BHC	ND		0.030	0.011
319-86-8	delta-BHC	ND		0.020	0.0034
60-57-1	Dieldrin	0.10		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	0.0092	J	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	0.0024	J p	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
50-29-3	p,p'-DDT	0.021	J	0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	45		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	78		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.036.D
Lims ID: 410-154654-A-9-A
Client ID: DUP-20231212-UF
Sample Type: Client
Inject. Date: 20-Dec-2023 10:55:00 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-9-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:10:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.778	1.778	0.000	963522804	H 11.8	
2	2.338	2.340	-0.002	446072442	H 11.3	
					RPD = 4.55	
2 alpha-BHC						
1	2.372	2.363	0.009	87737891	H 0.6875	
2	2.722	2.750	-0.028	105513031	H 0.7252	
					RPD = 5.34	
4 gamma-BHC (Lindane)						
1	2.710	2.732	-0.022	5631655	H 0.0456	
2	3.087	3.088	-0.001	789381	H 0.005340	
					RPD = 158.10	
5 beta-BHC						
1	2.997	2.982	0.015	2448388	H 0.0462	
2	3.388	3.375	0.013	474382	H 0.008167	
					RPD = 139.89	
7 delta-BHC						
1	3.283	3.268	0.015	5230636	H 0.0372	
2	3.608	3.628	-0.020	2902035	H 0.0160	
					RPD = 79.91	
8 Heptachlor						
1	3.090	3.090	0.000	2290426	H 0.0208	
2	3.703	3.688	0.015	6186678	H 0.0362	
					RPD = 54.00	
9 Aldrin						
1	3.408	3.400	0.008	673391	H 0.005394	
2	4.007	3.988	0.019	27238711	H 0.1580	
					RPD = 186.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.923	3.910	0.013	14434966H	0.1175	
2	4.372	4.375	-0.003	46737680H	0.3015	
					RPD = 87.81	
13 trans-Chlordane						M
1	4.113	4.113	0.000	36259489H	0.2823	
2	4.653	4.640	0.013	81842148H	0.5846	M
					RPD = 69.73	
14 cis-Chlordane						M
1	4.197	4.197	0.000	43443016H	0.3409	
2	4.680	4.680	0.000	62769710H	0.4548	M
					RPD = 28.62	
15 Endosulfan I						M
1	4.247	4.242	0.005	22183782H	0.1876	
2	4.715	4.710	0.005	38411398H	0.2841	M
					RPD = 40.92	
16 4,4'-DDE						M
1	4.372	4.373	-0.001	19317743H	0.1363	
2	4.807	4.807	0.000	29408773H	0.2477	M
					RPD = 58.01	
18 Dieldrin						M
1	4.478	4.480	-0.002	724344709H	5.21	
2	4.915	4.915	0.000	612587898H	5.17	M
					RPD = 0.74	
19 Endrin						
1	4.732	4.733	-0.001	28850333H	0.2285	
2	5.092	5.093	-0.001	24277170H	0.2755	
					RPD = 18.62	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.848	4.835	0.013	162078871H	1.35	
2	5.205	5.208	-0.003	15118531H	0.2737	
					RPD = 132.56	
23 Endosulfan II						
1	4.950	4.942	0.008	31489549H	0.2541	
2	5.318	5.298	0.020	433578H	0.006999	
					RPD = 189.28	
25 Endrin aldehyde						
1	5.125	5.117	0.008	9302028H	0.0916	
2	5.370	5.380	-0.010	2138663H	0.0460	
					RPD = 66.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.043	5.043	0.000	110500773	1.05	H
2	5.438	5.437	0.001	26981556	0.7775	H
					RPD = 29.66	
27 Endosulfan sulfate						
1	5.253	5.267	-0.014	53989627	0.4577	H
2	5.583	5.592	-0.009	21178080	0.4307	H
					RPD = 6.09	
28 Methoxychlor						
1	5.542	5.543	-0.001	4194474	0.0778	H
2	5.758	5.762	-0.004	1179905	0.0642	H
					RPD = 19.13	
29 Endrin ketone						
1	5.705	5.702	0.003	11447795	0.0841	H
2	5.903	5.897	0.006	442158	0.007459	H
					RPD = 167.40	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.450	6.450	0.000	817601801	6.75	H
2	6.942	6.945	-0.003	377663057	8.25	H
					RPD = 20.03	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 20-Dec-2023 12:13:49 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.036.D

Injection Date: 20-Dec-2023 10:55:00 Instrument ID: 9147

Lims ID: 410-154654-A-9-A Lab Sample ID: 410-154654-9

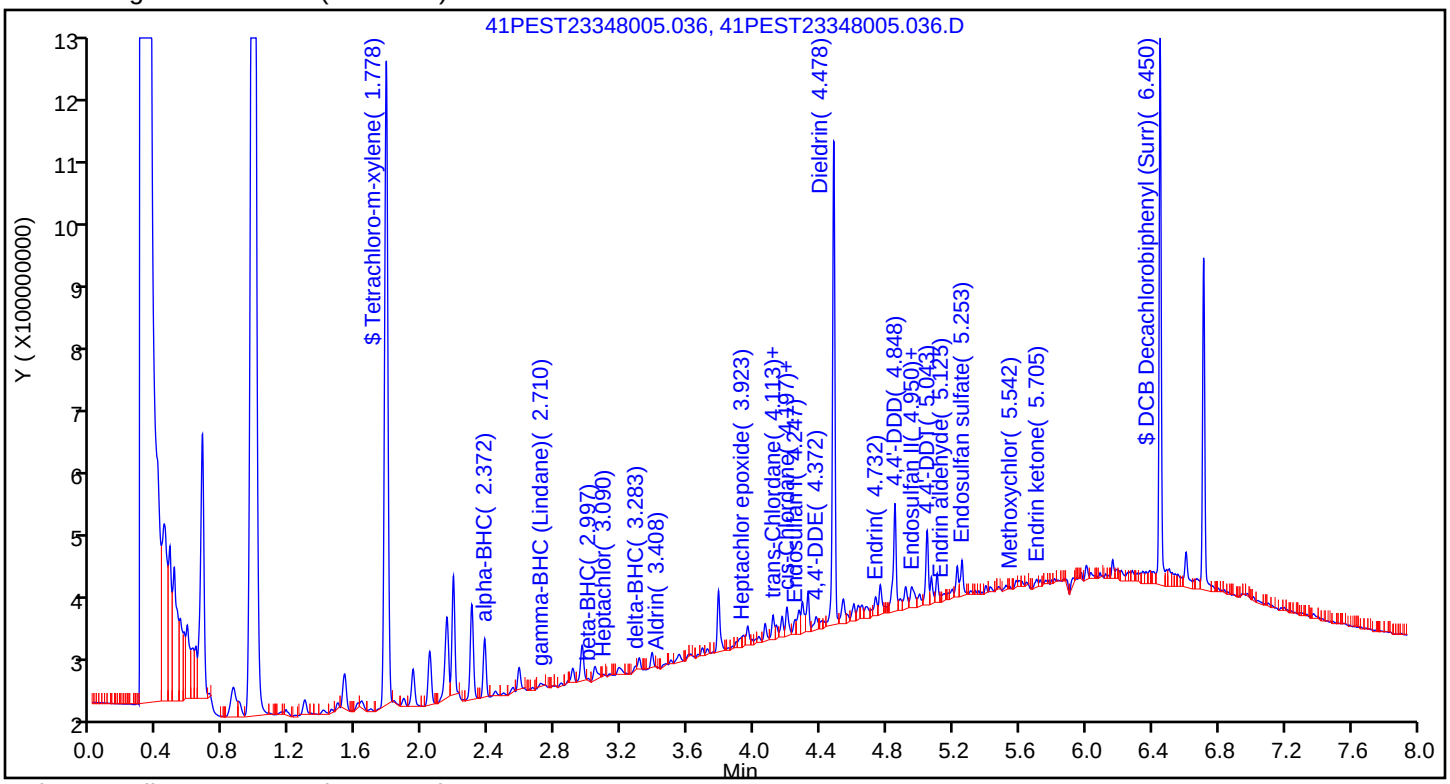
Client ID: DUP-20231212-UF

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 36

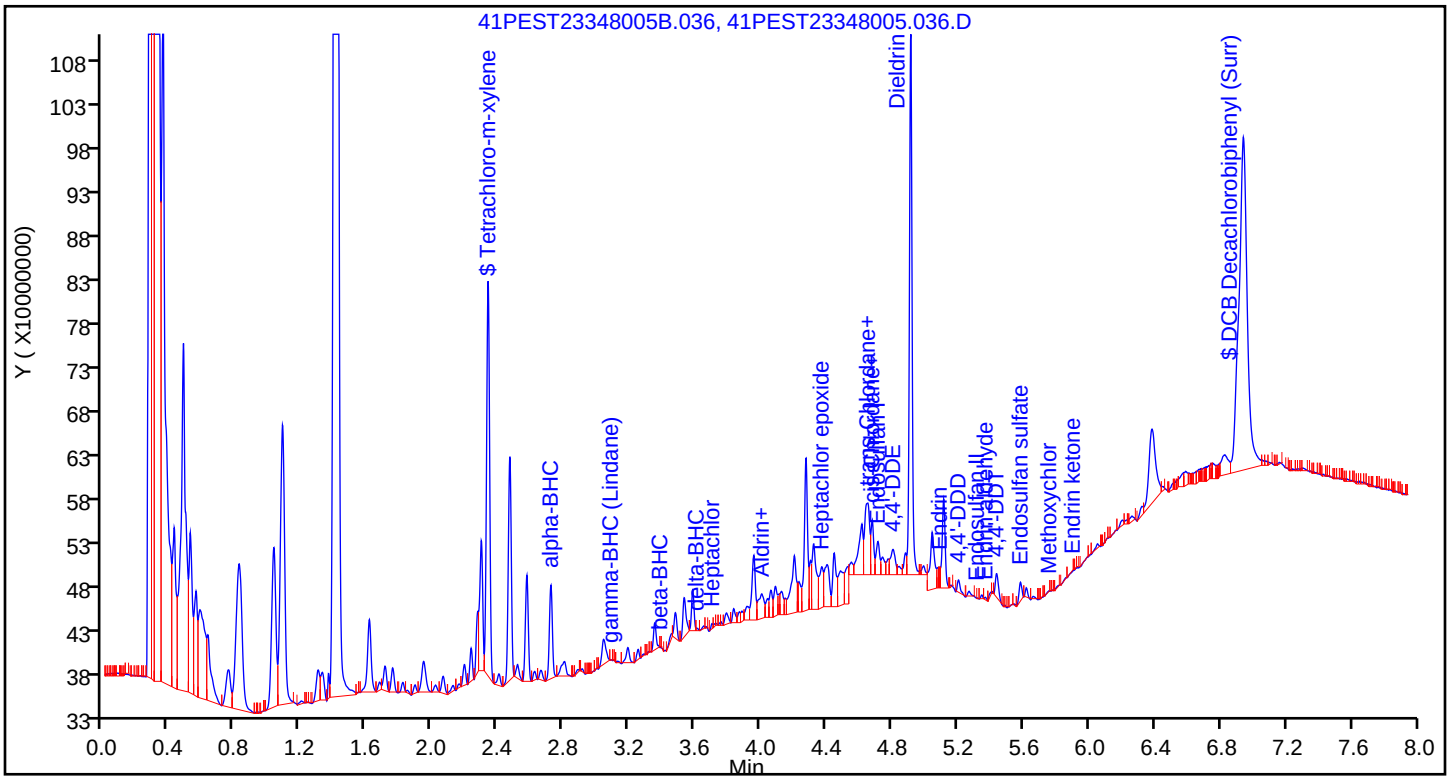
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.036.D				
Lims ID:	410-154654-A-9-A				
Client ID:	DUP-20231212-UF				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 10:55:00	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-9-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:10:17		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.8	78.42
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	6.75	44.96

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.3	74.94
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	8.25	54.97

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: DUP-20231212-UF
Lab Sample ID: 410-154654-9

Matrix: Water
Lab File ID: 41PEST23348005.036.D

Analysis Method: 8081B
Date Collected: 12/12/2023 00:00

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 249.6(mL)
Date Analyzed: 12/20/2023 10:55

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	p,p'-DDD	0.0055	J p	0.030	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	55		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	75		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.036.D
Lims ID: 410-154654-A-9-A
Client ID: DUP-20231212-UF
Sample Type: Client
Inject. Date: 20-Dec-2023 10:55:00 ALS Bottle#: 0 Worklist Smp#: 36
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-9-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:10:17

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.778	1.778	0.000	963522804	H 11.8	
2	2.338	2.340	-0.002	446072442	H 11.3	
					RPD = 4.55	
2 alpha-BHC						
1	2.372	2.363	0.009	87737891	H 0.6875	
2	2.722	2.750	-0.028	105513031	H 0.7252	
					RPD = 5.34	
4 gamma-BHC (Lindane)						
1	2.710	2.732	-0.022	5631655	H 0.0456	
2	3.087	3.088	-0.001	789381	H 0.005340	
					RPD = 158.10	
5 beta-BHC						
1	2.997	2.982	0.015	2448388	H 0.0462	
2	3.388	3.375	0.013	474382	H 0.008167	
					RPD = 139.89	
7 delta-BHC						
1	3.283	3.268	0.015	5230636	H 0.0372	
2	3.608	3.628	-0.020	2902035	H 0.0160	
					RPD = 79.91	
8 Heptachlor						
1	3.090	3.090	0.000	2290426	H 0.0208	
2	3.703	3.688	0.015	6186678	H 0.0362	
					RPD = 54.00	
9 Aldrin						
1	3.408	3.400	0.008	673391	H 0.005394	
2	4.007	3.988	0.019	27238711	H 0.1580	
					RPD = 186.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.923	3.910	0.013	14434966H	0.1175	
2	4.372	4.375	-0.003	46737680H	0.3015	
					RPD = 87.81	
13 trans-Chlordane						M
1	4.113	4.113	0.000	36259489H	0.2823	
2	4.653	4.640	0.013	81842148H	0.5846	M
					RPD = 69.73	
14 cis-Chlordane						M
1	4.197	4.197	0.000	43443016H	0.3409	
2	4.680	4.680	0.000	62769710H	0.4548	M
					RPD = 28.62	
15 Endosulfan I						M
1	4.247	4.242	0.005	22183782H	0.1876	
2	4.715	4.710	0.005	38411398H	0.2841	M
					RPD = 40.92	
16 4,4'-DDE						M
1	4.372	4.373	-0.001	19317743H	0.1363	
2	4.807	4.807	0.000	29408773H	0.2477	M
					RPD = 58.01	
18 Dieldrin						M
1	4.478	4.480	-0.002	724344709H	5.21	
2	4.915	4.915	0.000	612587898H	5.17	M
					RPD = 0.74	
19 Endrin						
1	4.732	4.733	-0.001	28850333H	0.2285	
2	5.092	5.093	-0.001	24277170H	0.2755	
					RPD = 18.62	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.848	4.835	0.013	162078871H	1.35	
2	5.205	5.208	-0.003	15118531H	0.2737	
					RPD = 132.56	
23 Endosulfan II						
1	4.950	4.942	0.008	31489549H	0.2541	
2	5.318	5.298	0.020	433578H	0.006999	
					RPD = 189.28	
25 Endrin aldehyde						
1	5.125	5.117	0.008	9302028H	0.0916	
2	5.370	5.380	-0.010	2138663H	0.0460	
					RPD = 66.25	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.043	5.043	0.000	110500773	1.05	H
2	5.438	5.437	0.001	26981556	0.7775	H
					RPD = 29.66	
27 Endosulfan sulfate						
1	5.253	5.267	-0.014	53989627	0.4577	H
2	5.583	5.592	-0.009	21178080	0.4307	H
					RPD = 6.09	
28 Methoxychlor						
1	5.542	5.543	-0.001	4194474	0.0778	H
2	5.758	5.762	-0.004	1179905	0.0642	H
					RPD = 19.13	
29 Endrin ketone						
1	5.705	5.702	0.003	11447795	0.0841	H
2	5.903	5.897	0.006	442158	0.007459	H
					RPD = 167.40	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.450	6.450	0.000	817601801	6.75	H
2	6.942	6.945	-0.003	377663057	8.25	H
					RPD = 20.03	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 20-Dec-2023 12:13:49 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.036.D

Injection Date: 20-Dec-2023 10:55:00 Instrument ID: 9147

Lims ID: 410-154654-A-9-A Lab Sample ID: 410-154654-9

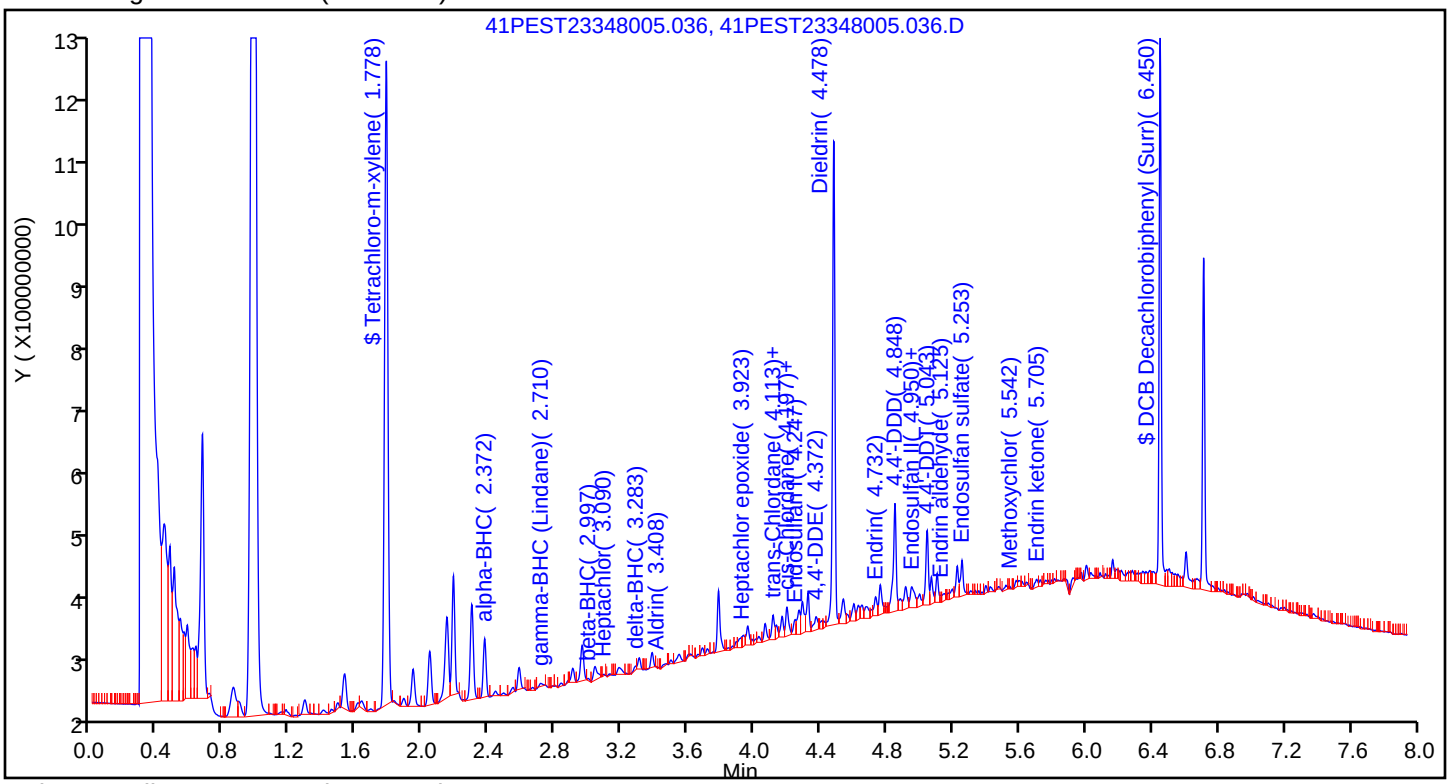
Client ID: DUP-20231212-UF

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 36

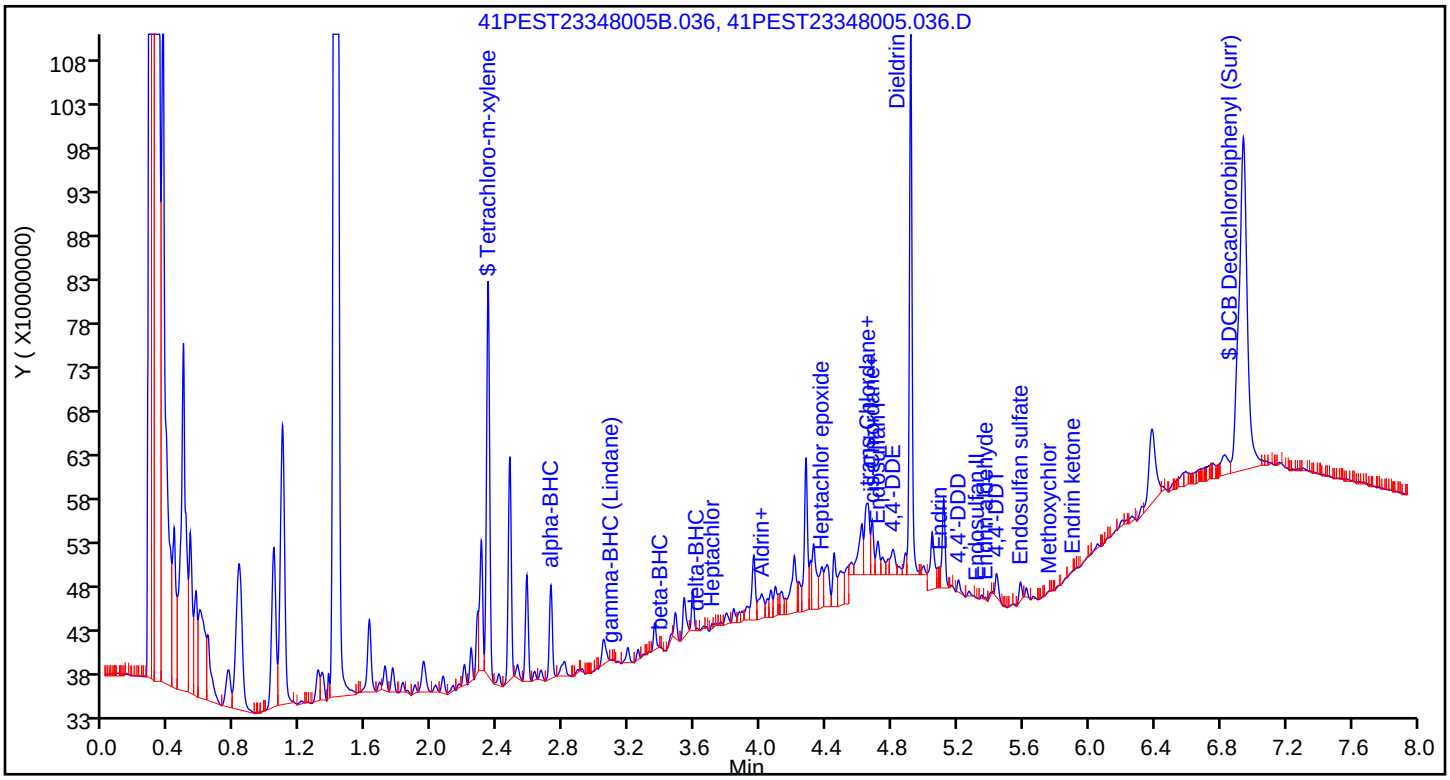
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.036.D				
Lims ID:	410-154654-A-9-A				
Client ID:	DUP-20231212-UF				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 10:55:00	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-9-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:10:17		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.8	78.42
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	6.75	44.96

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.3	74.94
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	8.25	54.97

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

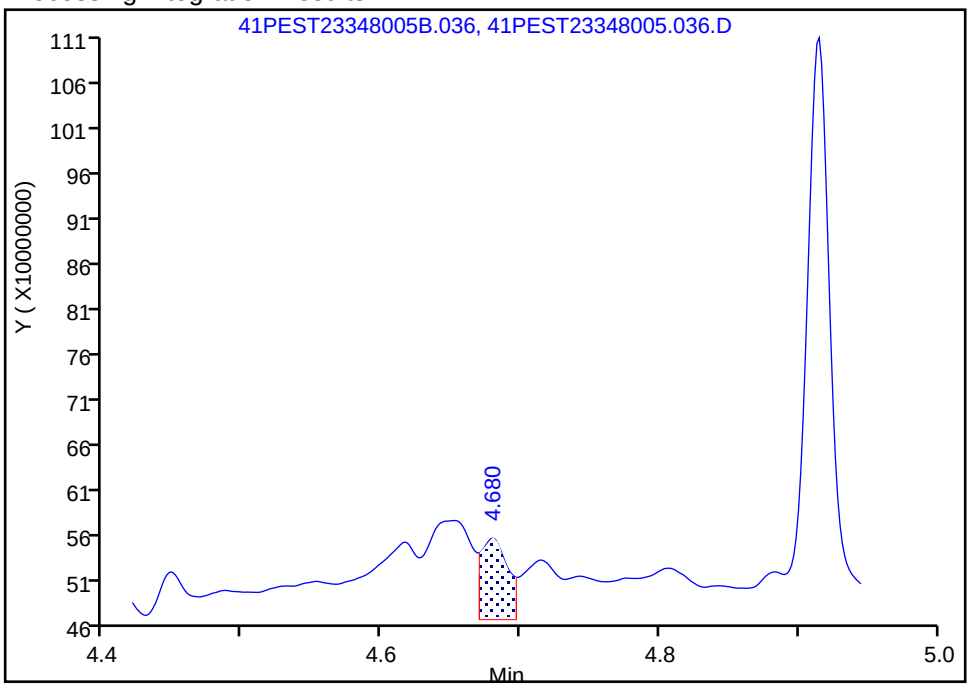
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Injection Date:	20-Dec-2023 10:55:00	Instrument ID:	9147		
Lims ID:	410-154654-A-9-A	Lab Sample ID:	410-154654-9		
Client ID:	DUP-20231212-UF				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

14 cis-Chlordane, CAS: 5103-71-9

Signal: 1

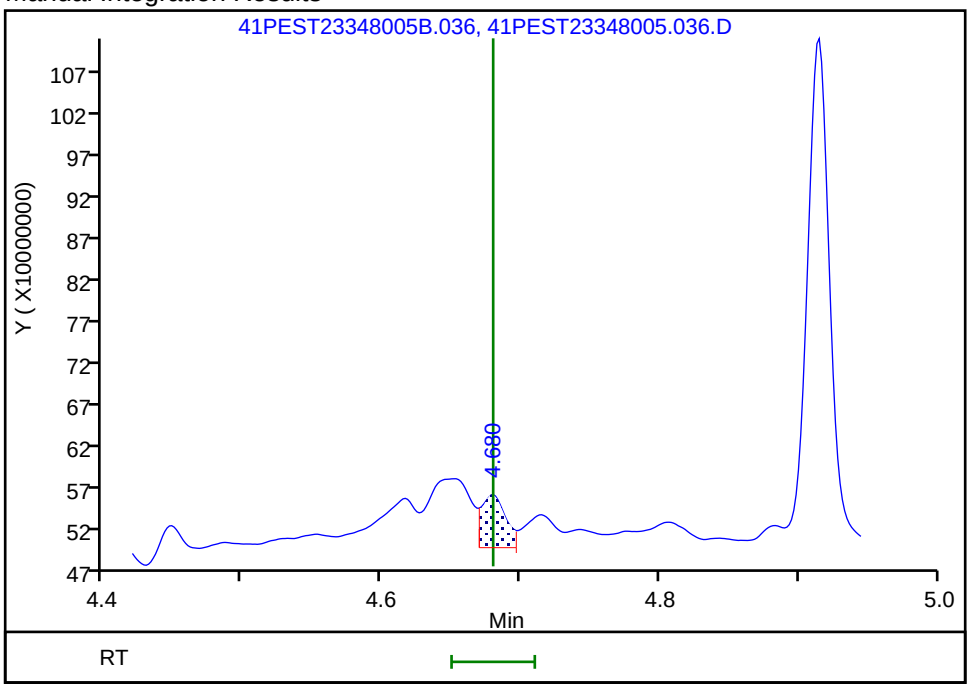
Processing Integration Results

RT: 4.68
Height: 90363778
Amount: 0.654695
Amount Units: ug/l



Manual Integration Results

RT: 4.68
Height: 62769710
Amount: 0.454773
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:10:07 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

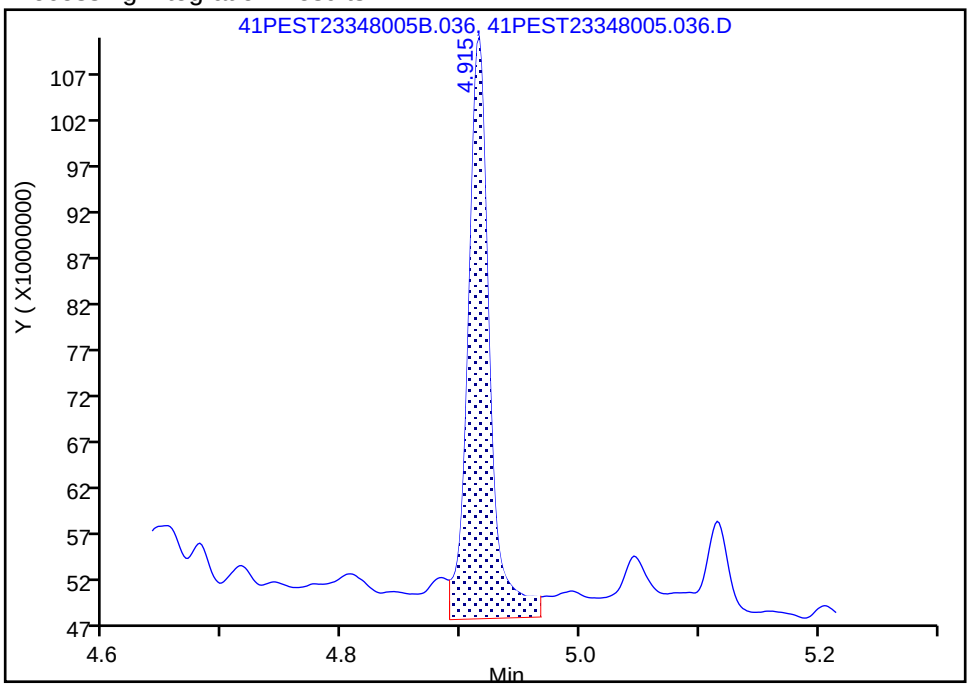
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Injection Date:	20-Dec-2023 10:55:00	Instrument ID:	9147		
Lims ID:	410-154654-A-9-A	Lab Sample ID:	410-154654-9		
Client ID:	DUP-20231212-UF				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

18 Dieldrin, CAS: 60-57-1

Signal: 1

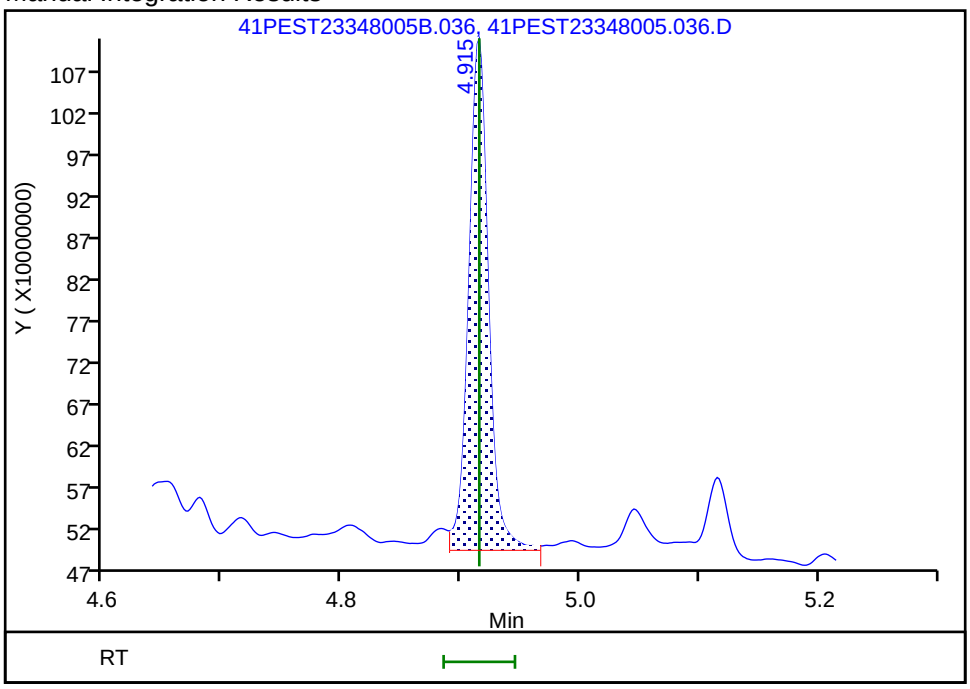
Processing Integration Results

RT: 4.92
Height: 633000020
Amount: 5.347262
Amount Units: ug/l



Manual Integration Results

RT: 4.92
Height: 612587898
Amount: 5.174830
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:10:07 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

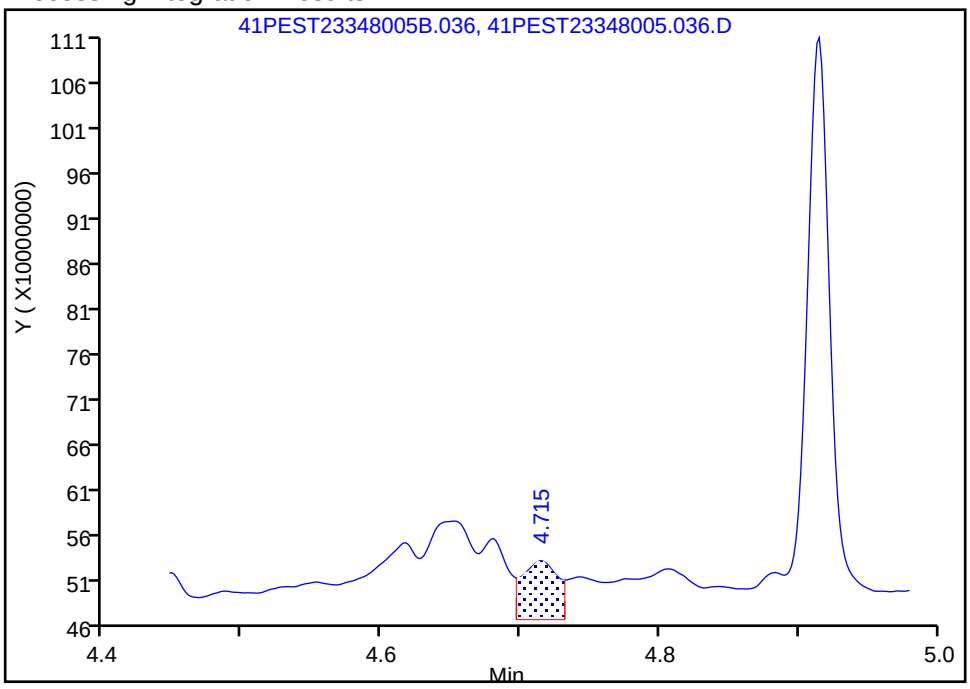
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.036.D				
Injection Date:	20-Dec-2023 10:55:00	Instrument ID:	9147		
Lims ID:	410-154654-A-9-A	Lab Sample ID:	410-154654-9		
Client ID:	DUP-20231212-UF				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

15 Endosulfan I, CAS: 959-98-8

Signal: 1

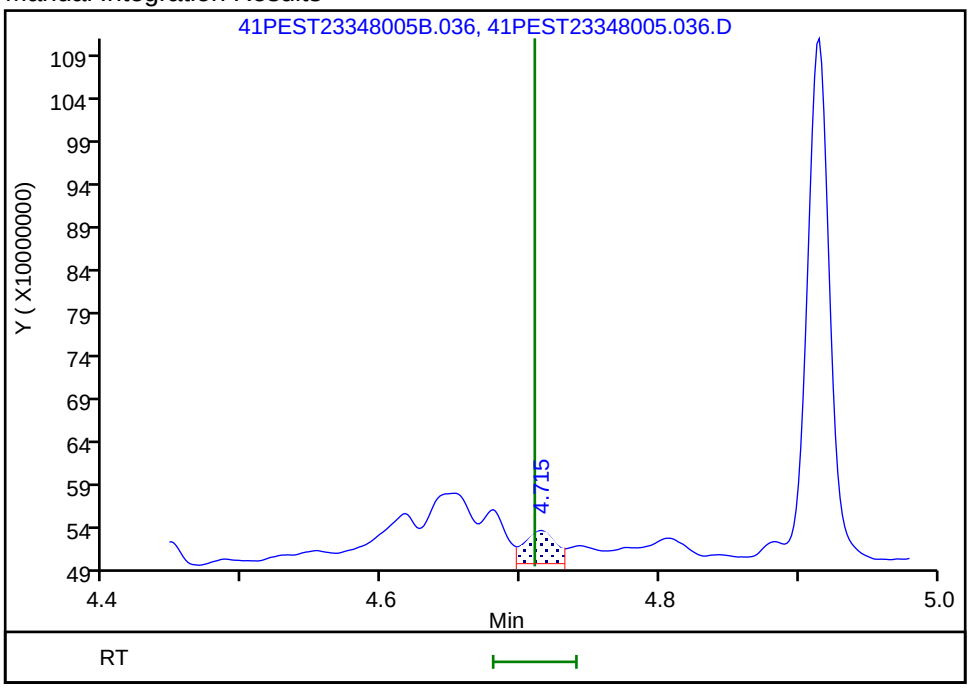
RT: 4.72
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Amount: 0.480276
Amount Units: ug/l

Processing Integration Results



RT: 4.72
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Amount: 0.284097
Amount Units: ug/l

Manual Integration Results



Reviewer: UAMZ, 20-Dec-2023 12:10:07 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

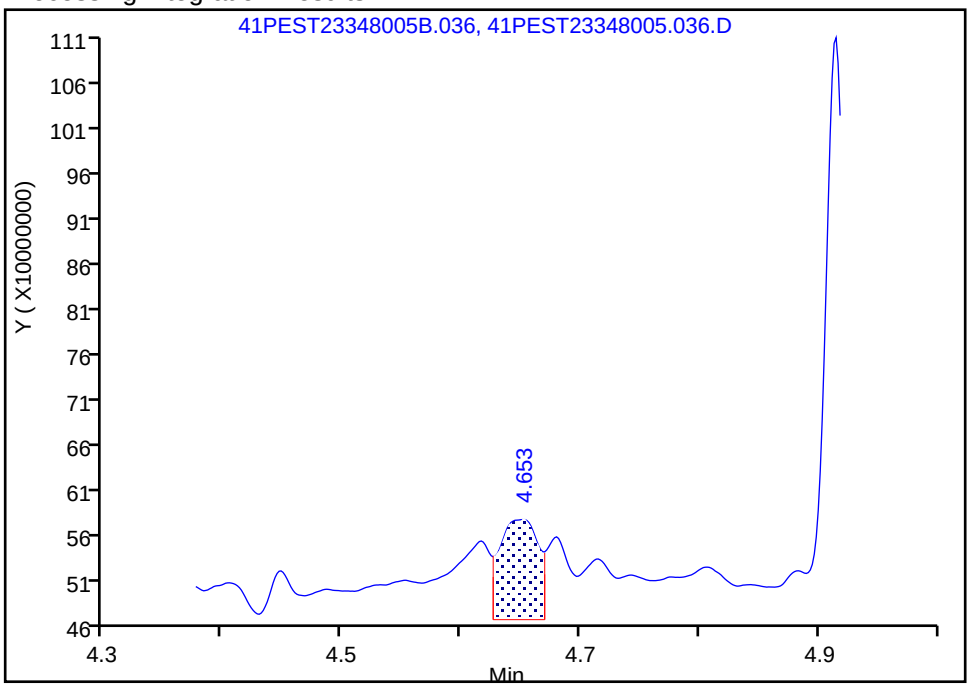
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.036.D				
Injection Date:	20-Dec-2023 10:55:00	Instrument ID:	9147		
Lims ID:	410-154654-A-9-A	Lab Sample ID:	410-154654-9		
Client ID:	DUP-20231212-UF				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

13 trans-Chlordane, CAS: 5103-74-2

Signal: 1

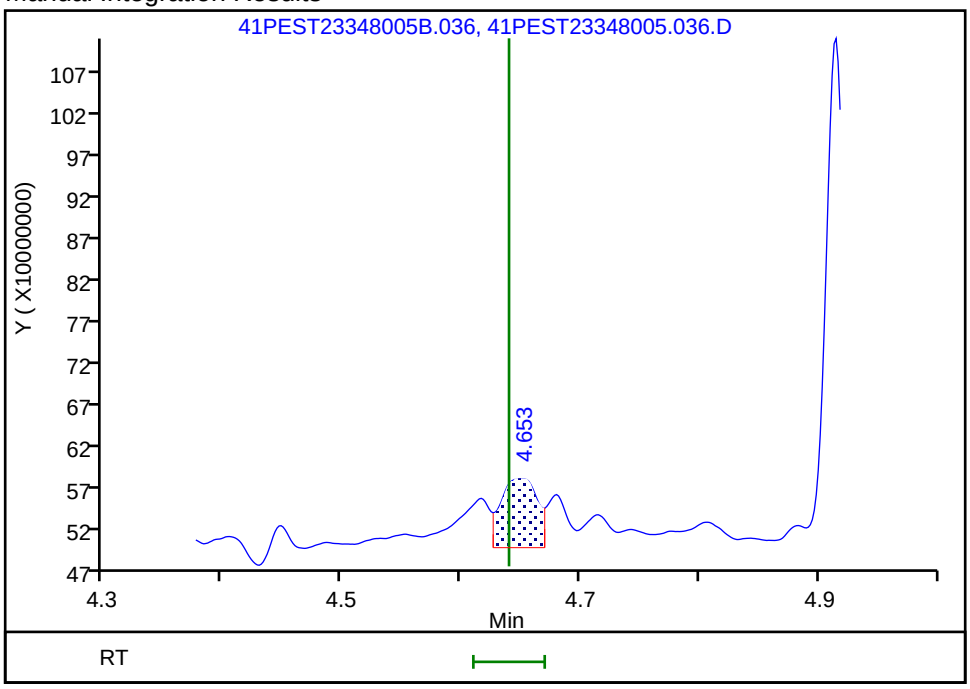
Processing Integration Results

RT: 4.65
Height: 110251189
Amount: 0.787464
Amount Units: ug/l



Manual Integration Results

RT: 4.65
Height: 81842148
Amount: 0.584554
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:10:07 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

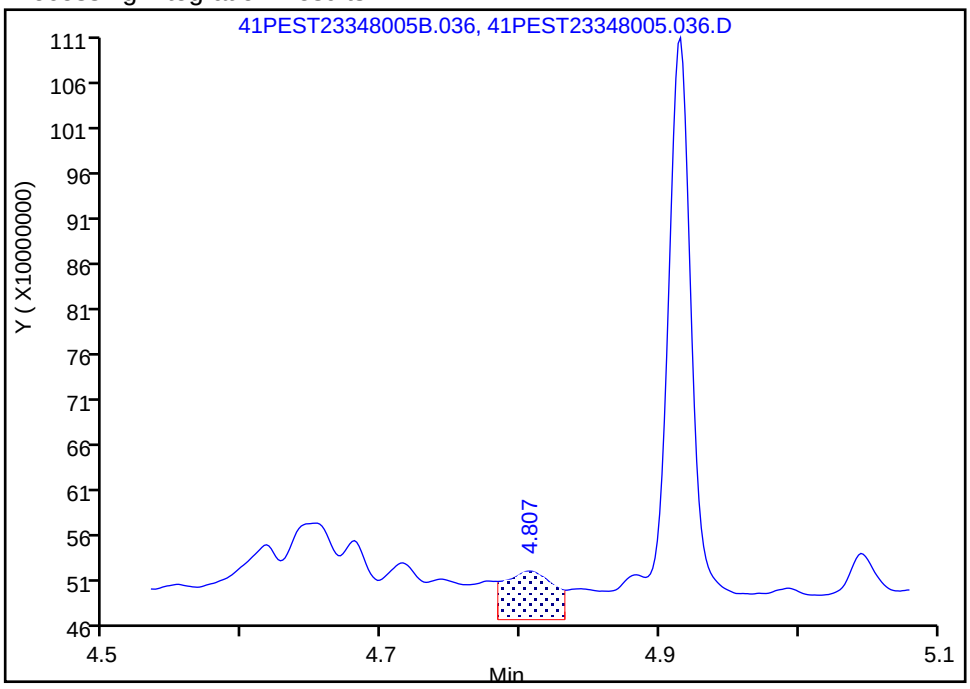
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.036.D				
Injection Date:	20-Dec-2023 10:55:00	Instrument ID:	9147		
Lims ID:	410-154654-A-9-A	Lab Sample ID:	410-154654-9		
Client ID:	DUP-20231212-UF				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	36
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

16 4,4'-DDE, CAS: 72-55-9

Signal: 1

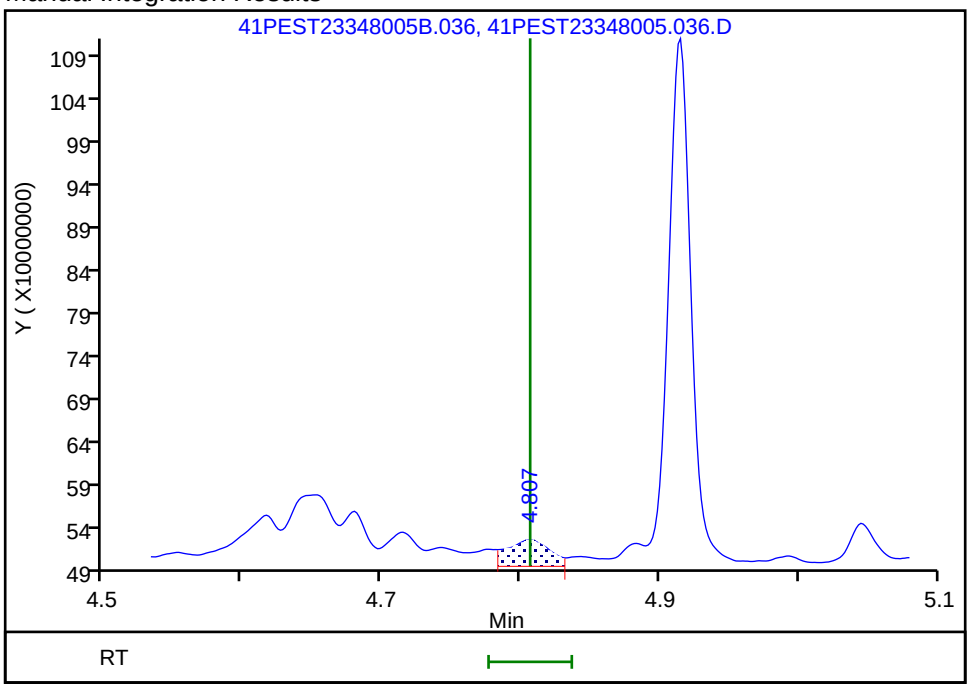
Processing Integration Results

RT: 4.81
Height: 53131721
Amount: 0.447567
Amount Units: ug/l



Manual Integration Results

RT: 4.81
Height: 29408773
Amount: 0.247731
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:10:07 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: DUP-20231212-F
Lab Sample ID: 410-154654-10

Matrix: Water
Lab File ID: 41PEST23348005.037.D

Analysis Method: 8081B
Date Collected: 12/12/2023 00:00

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 242.4(mL)
Date Analyzed: 12/20/2023 11:10

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		0.021	0.0021
5103-71-9	alpha-Chlordane	ND		0.021	0.0031
319-85-7	beta-BHC	ND		0.031	0.011
319-86-8	delta-BHC	ND		0.021	0.0035
60-57-1	Dieldrin	0.023	J	0.031	0.0055
959-98-8	Endosulfan I	ND		0.021	0.0044
33213-65-9	Endosulfan II	ND		0.041	0.015
1031-07-8	Endosulfan sulfate	ND		0.031	0.0060
72-20-8	Endrin	ND		0.031	0.0084
7421-93-4	Endrin aldehyde	ND		0.10	0.021
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		0.041	0.0072
76-44-8	Heptachlor	ND		0.021	0.0021
1024-57-3	Heptachlor epoxide	ND		0.021	0.0024
72-43-5	Methoxychlor	ND		0.11	0.031
8001-35-2	Toxaphene	ND		1.0	0.31
72-55-9	p,p'-DDE	ND		0.031	0.0052
50-29-3	p,p'-DDT	0.0072	J	0.031	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	60		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	66		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.037.D
Lims ID: 410-154654-A-10-A
Client ID: DUP-20231212-F
Sample Type: Client
Inject. Date: 20-Dec-2023 11:10:00 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-10-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:09:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.777	1.778	-0.001	810836525	H 9.91	
2	2.338	2.340	-0.002	389227247	H 9.82	
					RPD = 0.93	
2 alpha-BHC						
1	2.372	2.363	0.009	25451121	H 0.1994	
2	2.757	2.750	0.007	159438	H 0.001096	
					RPD = 197.81	
4 gamma-BHC (Lindane)						
1	2.713	2.732	-0.019	5500516	H 0.0446	
2	3.087	3.088	-0.001	919040	H 0.006217	
					RPD = 151.03	
5 beta-BHC						
1	2.997	2.982	0.015	8039707	H 0.1517	
2	3.387	3.375	0.012	700727	H 0.0121	
					RPD = 170.53	
7 delta-BHC						
1	3.280	3.268	0.012	5410154	H 0.0385	
2	3.617	3.628	-0.011	1189860	H 0.006550	
					RPD = 141.86	
8 Heptachlor						
1	3.087	3.090	-0.003	1107585	H 0.0101	
2	3.703	3.688	0.015	922619	H 0.005405	
					RPD = 60.33	
9 Aldrin						
1	3.383	3.400	-0.017	5843782	H 0.0468	
2	3.988	3.988	0.000	19588862	H 0.1136	
					RPD = 83.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.907	3.910	-0.003	3979122H	0.0324	
2	4.372	4.375	-0.003	37124801H	0.2395	
					RPD = 152.34	
13 trans-Chlordane						
1	4.115	4.113	0.002	7413642H	0.0577	
2	4.657	4.640	0.017	71814679H	0.5129	
					RPD = 159.54	
14 cis-Chlordane						
1	4.198	4.197	0.001	10272862H	0.0806	
2	4.680	4.680	0.000	44923652H	0.3255	
					RPD = 120.60	
15 Endosulfan I						
1	4.245	4.242	0.003	7207701H	0.0609	
2	4.708	4.710	-0.002	38729542H	0.2865	
					RPD = 129.82	
16 4,4'-DDE						
1	4.375	4.373	0.002	4129839H	0.0291	
2	4.807	4.807	0.000	31404915H	0.2645	
					RPD = 160.30	
18 Dieldrin						
1	4.480	4.480	0.000	156818581H	1.13	
2	4.915	4.915	0.000	154500120H	1.31	
					RPD = 14.50	
19 Endrin						
1	4.732	4.733	-0.001	6578143H	0.0521	
2	5.078	5.093	-0.015	13912152H	0.1579	
					RPD = 100.73	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.848	4.835	0.013	42785241H	0.3563	
2	5.203	5.208	-0.005	3934814H	0.0712	
					RPD = 133.35	
23 Endosulfan II						
1	4.950	4.942	0.008	10832466H	0.0874	
2	5.293	5.298	-0.005	1417272H	0.0229	
					RPD = 117.03	
25 Endrin aldehyde						
1	5.127	5.117	0.010	3124579H	0.0308	
2	5.398	5.380	0.018	7745361H	0.1666	
					RPD = 137.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.042	5.043	-0.001	36805459	0.3492	H
2	5.438	5.437	0.001	9586002	0.2762	H
					RPD = 23.33	
27 Endosulfan sulfate						
1	5.253	5.267	-0.014	11877359	0.1007	H
2	5.585	5.592	-0.007	5280615	0.1074	H
					RPD = 6.43	
28 Methoxychlor						
1	5.547	5.543	0.004	1604264	0.0298	H
2	5.757	5.762	-0.005	1169646	0.0637	H
					RPD = 72.59	
29 Endrin ketone						
1	5.703	5.702	0.001	2202741	0.0162	H
2	5.902	5.897	0.005	548724	0.009257	H
					RPD = 54.41	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.450	6.450	0.000	1091083392	9.00	H
2	6.945	6.945	0.000	427917321	9.35	H
					RPD = 3.73	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:13:51 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.037.D

Injection Date: 20-Dec-2023 11:10:00 Instrument ID: 9147

Lims ID: 410-154654-A-10-A Lab Sample ID: 410-154654-10

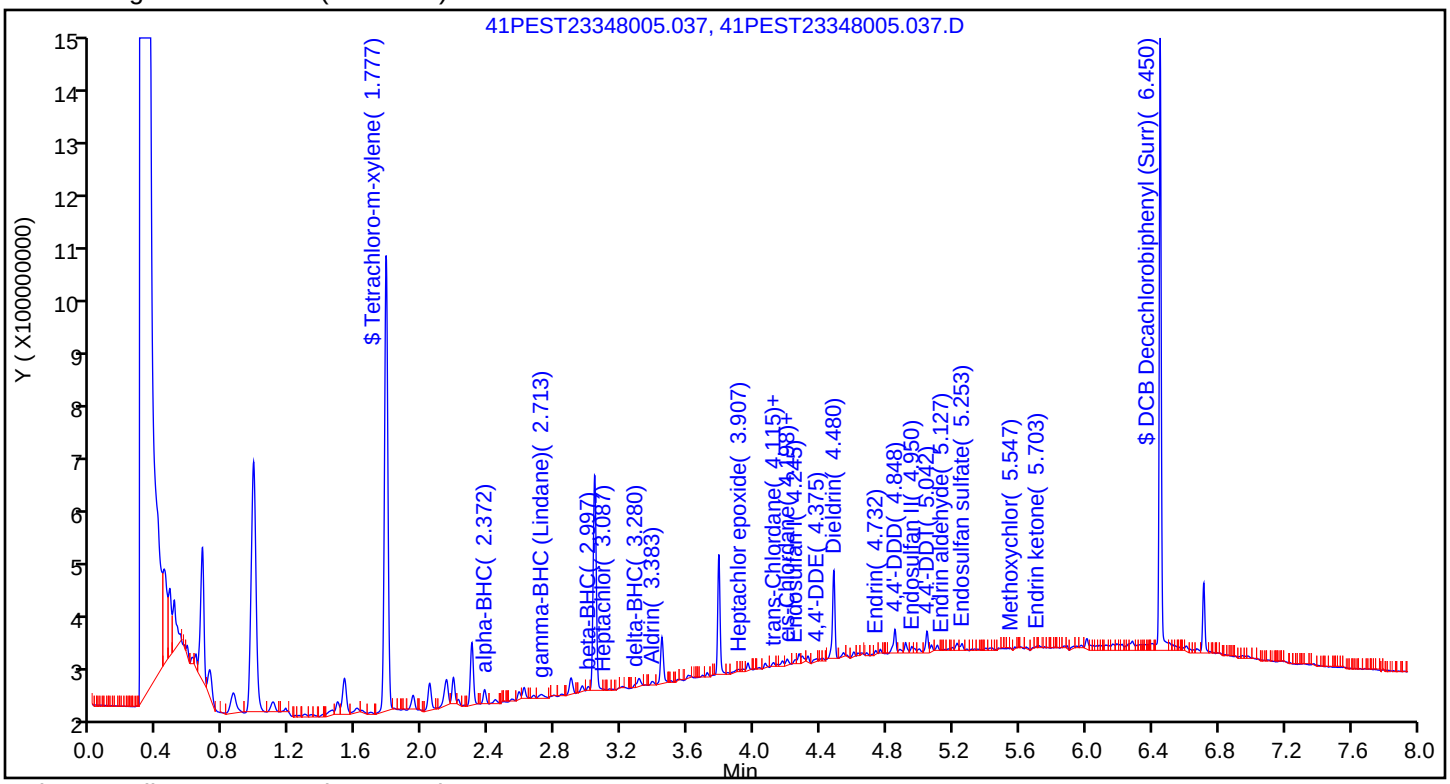
Client ID: DUP-20231212-F

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 37

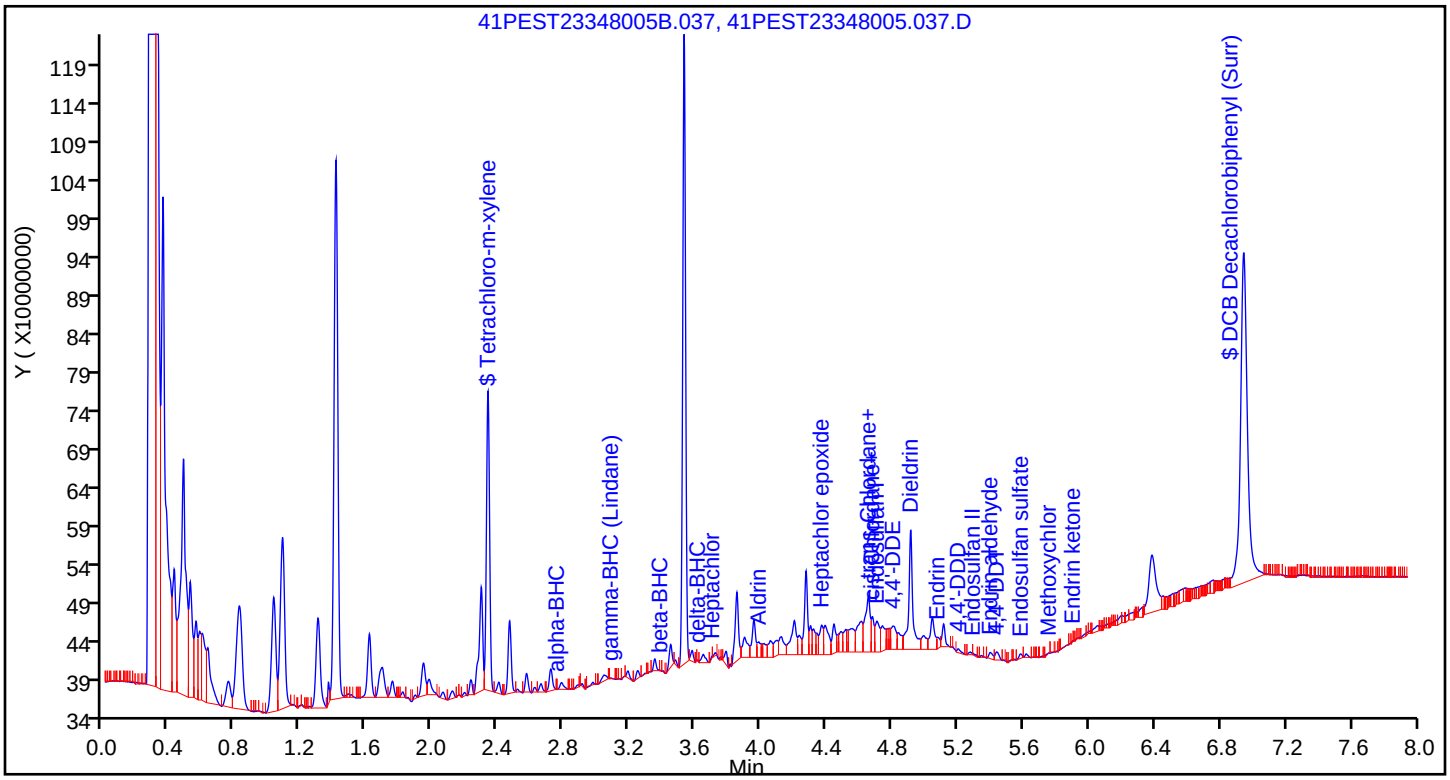
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.037.D				
Lims ID:	410-154654-A-10-A				
Client ID:	DUP-20231212-F				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 11:10:00	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-10-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:09:21		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.91	66.00
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.00	60.00

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.82	65.39
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.35	62.28

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: DUP-20231212-F
Lab Sample ID: 410-154654-10

Matrix: Water
Lab File ID: 41PEST23348005.037.D

Analysis Method: 8081B
Date Collected: 12/12/2023 00:00

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 242.4(mL)
Date Analyzed: 12/20/2023 11:10

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
319-84-6	alpha-BHC	ND		0.021	0.0031
72-54-8	p,p'-DDD	ND		0.031	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	62		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	65		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.037.D
Lims ID: 410-154654-A-10-A
Client ID: DUP-20231212-F
Sample Type: Client
Inject. Date: 20-Dec-2023 11:10:00 ALS Bottle#: 0 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-10-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:09:21

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.777	1.778	-0.001	810836525	H 9.91	
2	2.338	2.340	-0.002	389227247	H 9.82	
					RPD = 0.93	
2 alpha-BHC						
1	2.372	2.363	0.009	25451121	H 0.1994	
2	2.757	2.750	0.007	159438	H 0.001096	
					RPD = 197.81	
4 gamma-BHC (Lindane)						
1	2.713	2.732	-0.019	5500516	H 0.0446	
2	3.087	3.088	-0.001	919040	H 0.006217	
					RPD = 151.03	
5 beta-BHC						
1	2.997	2.982	0.015	8039707	H 0.1517	
2	3.387	3.375	0.012	700727	H 0.0121	
					RPD = 170.53	
7 delta-BHC						
1	3.280	3.268	0.012	5410154	H 0.0385	
2	3.617	3.628	-0.011	1189860	H 0.006550	
					RPD = 141.86	
8 Heptachlor						
1	3.087	3.090	-0.003	1107585	H 0.0101	
2	3.703	3.688	0.015	922619	H 0.005405	
					RPD = 60.33	
9 Aldrin						
1	3.383	3.400	-0.017	5843782	H 0.0468	
2	3.988	3.988	0.000	19588862	H 0.1136	
					RPD = 83.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.907	3.910	-0.003	3979122H	0.0324	
2	4.372	4.375	-0.003	37124801H	0.2395	
					RPD = 152.34	
13 trans-Chlordane						
1	4.115	4.113	0.002	7413642H	0.0577	
2	4.657	4.640	0.017	71814679H	0.5129	
					RPD = 159.54	
14 cis-Chlordane						
1	4.198	4.197	0.001	10272862H	0.0806	
2	4.680	4.680	0.000	44923652H	0.3255	
					RPD = 120.60	
15 Endosulfan I						
1	4.245	4.242	0.003	7207701H	0.0609	
2	4.708	4.710	-0.002	38729542H	0.2865	
					RPD = 129.82	
16 4,4'-DDE						
1	4.375	4.373	0.002	4129839H	0.0291	
2	4.807	4.807	0.000	31404915H	0.2645	
					RPD = 160.30	
18 Dieldrin						
1	4.480	4.480	0.000	156818581H	1.13	
2	4.915	4.915	0.000	154500120H	1.31	
					RPD = 14.50	
19 Endrin						
1	4.732	4.733	-0.001	6578143H	0.0521	
2	5.078	5.093	-0.015	13912152H	0.1579	
					RPD = 100.73	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.848	4.835	0.013	42785241H	0.3563	
2	5.203	5.208	-0.005	3934814H	0.0712	
					RPD = 133.35	
23 Endosulfan II						
1	4.950	4.942	0.008	10832466H	0.0874	
2	5.293	5.298	-0.005	1417272H	0.0229	
					RPD = 117.03	
25 Endrin aldehyde						
1	5.127	5.117	0.010	3124579H	0.0308	
2	5.398	5.380	0.018	7745361H	0.1666	
					RPD = 137.66	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.042	5.043	-0.001	36805459	0.3492	H
2	5.438	5.437	0.001	9586002	0.2762	H
					RPD = 23.33	
27 Endosulfan sulfate						
1	5.253	5.267	-0.014	11877359	0.1007	H
2	5.585	5.592	-0.007	5280615	0.1074	H
					RPD = 6.43	
28 Methoxychlor						
1	5.547	5.543	0.004	1604264	0.0298	H
2	5.757	5.762	-0.005	1169646	0.0637	H
					RPD = 72.59	
29 Endrin ketone						
1	5.703	5.702	0.001	2202741	0.0162	H
2	5.902	5.897	0.005	548724	0.009257	H
					RPD = 54.41	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.450	6.450	0.000	1091083392	9.00	H
2	6.945	6.945	0.000	427917321	9.35	H
					RPD = 3.73	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:13:51 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.037.D

Injection Date: 20-Dec-2023 11:10:00 Instrument ID: 9147

Lims ID: 410-154654-A-10-A Lab Sample ID: 410-154654-10

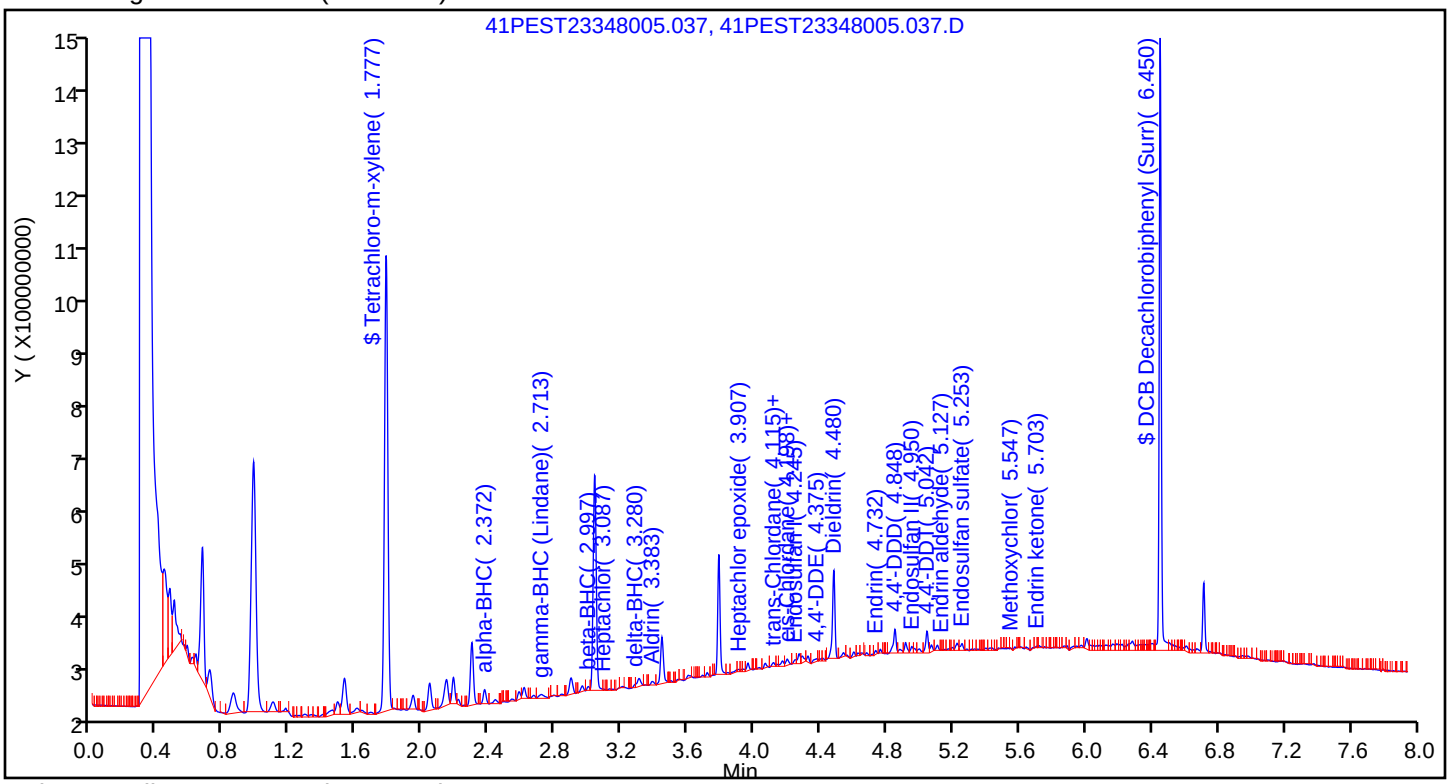
Client ID: DUP-20231212-F

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 37

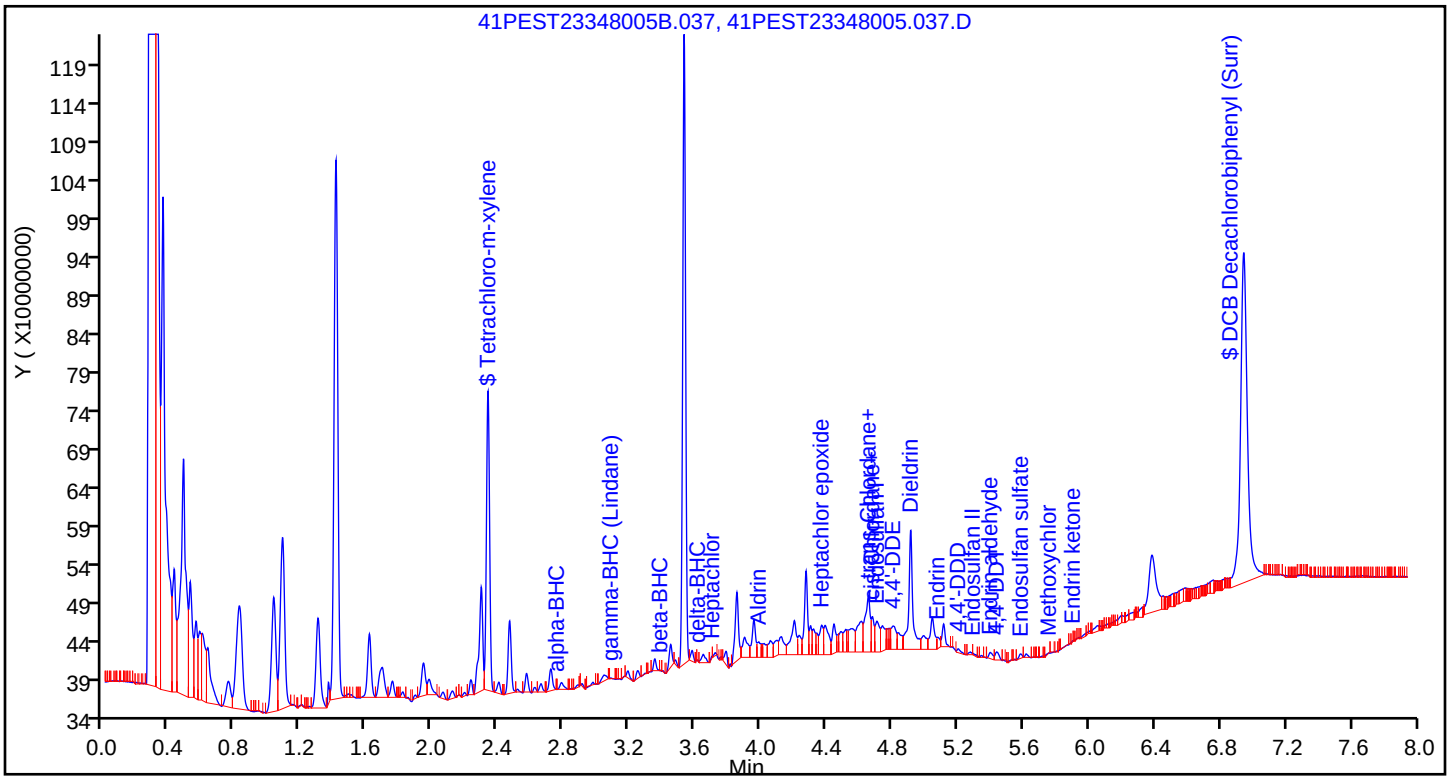
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.037.D				
Lims ID:	410-154654-A-10-A				
Client ID:	DUP-20231212-F				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 11:10:00	ALS Bottle#:	0	Worklist Smp#:	37
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-10-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:09:21		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.91	66.00
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.00	60.00

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.82	65.39
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	9.35	62.28

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: FB-20231212-UF
Lab Sample ID: 410-154654-11

Matrix: Water
Lab File ID: 41PEST23348005.038.D

Analysis Method: 8081B
Date Collected: 12/12/2023 12:02

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 235.6(mL)
Date Analyzed: 12/20/2023 11:24

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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	0.0032
5103-71-9	alpha-Chlordane	ND		0.021	0.0032
319-85-7	beta-BHC	ND		0.032	0.012
319-86-8	delta-BHC	ND		0.021	0.0036
60-57-1	Dieldrin	ND		0.032	0.0056
959-98-8	Endosulfan I	ND		0.021	0.0046
33213-65-9	Endosulfan II	ND		0.042	0.016
1031-07-8	Endosulfan sulfate	ND		0.032	0.0062
72-20-8	Endrin	ND		0.032	0.0086
7421-93-4	Endrin aldehyde	ND		0.11	0.021
53494-70-5	Endrin ketone	ND		0.032	0.0053
58-89-9	gamma-BHC (Lindane)	ND		0.021	0.0021
5103-74-2	gamma-Chlordane	ND		0.042	0.0074
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	0.032
8001-35-2	Toxaphene	ND		1.1	0.32
72-54-8	p,p'-DDD	ND		0.032	0.0053
72-55-9	p,p'-DDE	ND		0.032	0.0053
50-29-3	p,p'-DDT	ND		0.032	0.0055

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	33		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	60		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.038.D
Lims ID: 410-154654-A-11-A
Client ID: FB-20231212-UF
Sample Type: Client
Inject. Date: 20-Dec-2023 11:24:00 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-11-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:09:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.777	1.778	-0.001	741340197	H 9.06	
2	2.335	2.340	-0.005	366128280	H 9.24	
					RPD = 1.92	
2 alpha-BHC						
1	2.360	2.363	-0.003	427131	H 0.003347	
2	2.757	2.750	0.007	349936	H 0.002405	
					RPD = 32.75	
4 gamma-BHC (Lindane)						
1	2.727	2.732	-0.005	256745	H 0.002080	
2	3.083	3.088	-0.005	2972323	H 0.0201	
					RPD = 162.49	
5 beta-BHC						
1	2.982	2.982	0.000	748286	H 0.0141	
2	3.382	3.375	0.007	2573569	H 0.0443	
					RPD = 103.36	
7 delta-BHC						
1	3.265	3.268	-0.003	261750	H 0.001863	
2	3.633	3.628	0.005	1735589	H 0.009553	
					RPD = 134.72	
8 Heptachlor						
1	3.092	3.090	0.002	1686705	H 0.0153	
2	3.708	3.688	0.020	2613042	H 0.0153	
					RPD = 0.22	
9 Aldrin						
1	3.403	3.400	0.003	626817	H 0.005021	
2	3.992	3.988	0.004	546003	H 0.003167	
					RPD = 45.31	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.912	3.910	0.002	1701031H	0.0138	
2	4.372	4.375	-0.003	1330835H	0.008585	
					RPD = 46.93	
13 trans-Chlordane						
1	4.123	4.113	0.010	3862129H	0.0301	
2	4.627	4.640	-0.013	685683H	0.004897	
					RPD = 143.98	
14 cis-Chlordane						
1	4.202	4.197	0.005	5818604H	0.0457	
2	4.680	4.680	0.000	1904129H	0.0138	
					RPD = 107.19	
15 Endosulfan I						
1	4.235	4.242	-0.007	4358167H	0.0369	
2	4.718	4.710	0.008	1402570H	0.0104	
					RPD = 112.14	
16 4,4'-DDE						
1	4.367	4.373	-0.006	3578928H	0.0253	
2	4.798	4.807	-0.009	571415H	0.004813	
					RPD = 135.97	
18 Dieldrin						
1	4.477	4.480	-0.003	3374696H	0.0243	
2	4.922	4.915	0.007	396404H	0.003349	
					RPD = 151.53	
19 Endrin						
1	4.732	4.733	-0.001	616778H	0.004886	
2	5.097	5.093	0.004	598624H	0.006793	
					RPD = 32.65	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.843	4.835	0.008	4943085H	0.0412	
2	5.225	5.208	0.017	571133H	0.0103	
					RPD = 119.70	
23 Endosulfan II						
1	4.950	4.942	0.008	2039950H	0.0165	
2	5.318	5.298	0.020	242001H	0.003907	
					RPD = 123.29	
25 Endrin aldehyde						
1	5.118	5.117	0.001	561567H	0.005530	
2	5.380	5.380	0.000	309354H	0.006656	
					RPD = 18.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.040	5.043	-0.003	6718041H	0.0637	
2	5.442	5.437	0.005	377584H	0.0109	
					RPD = 141.67	
27 Endosulfan sulfate						
1	5.267	5.267	0.000	466992H	0.003959	
2	5.595	5.592	0.003	119125H	0.002422	
					RPD = 48.16	
28 Methoxychlor						
1	5.542	5.543	-0.001	1116074H	0.0207	
2	5.758	5.762	-0.004	182386H	0.0099	
					RPD = 70.36	
29 Endrin ketone						
1	5.708	5.702	0.006	2645707H	0.0194	
2	5.900	5.897	0.003	1040054H	0.0175	
					RPD = 10.19	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.450	6.450	0.000	607289402H	5.01	
2	6.940	6.945	-0.005	242006525H	5.29	M
					RPD = 5.33	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 20-Dec-2023 12:13:53 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.038.D

Injection Date: 20-Dec-2023 11:24:00 Instrument ID: 9147

Lims ID: 410-154654-A-11-A Lab Sample ID: 410-154654-11

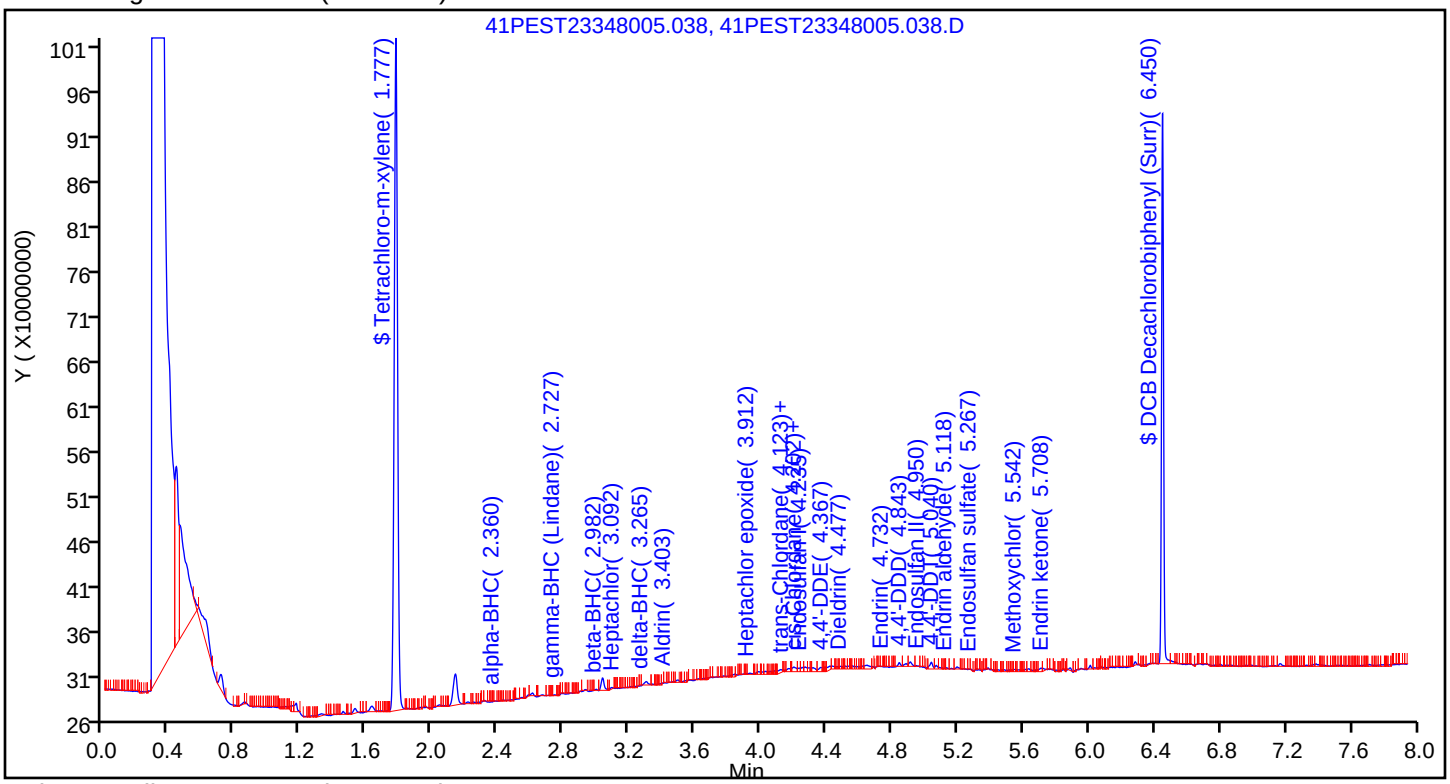
Client ID: FB-20231212-UF

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 38

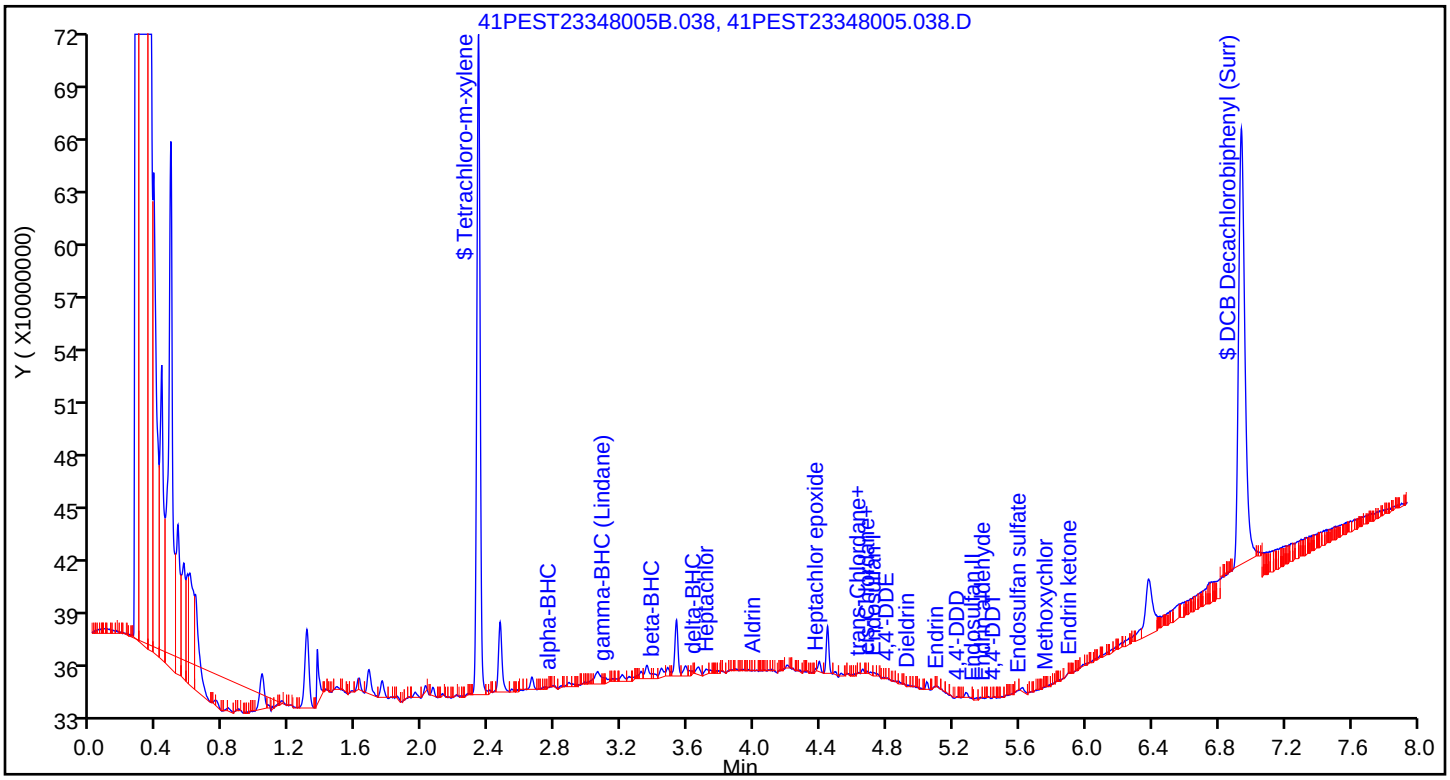
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.038.D				
Lims ID:	410-154654-A-11-A				
Client ID:	FB-20231212-UF				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 11:24:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-11-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:09:15		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.06	60.34
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	5.01	33.40

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.24	61.51
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	5.29	35.22

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: FB-20231212-UF Lab Sample ID: 410-154654-11

Matrix: Water Lab File ID: 41PEST23348005.038.D

Analysis Method: 8081B Date Collected: 12/12/2023 12:02

Extraction Method: 3510C Date Extracted: 12/18/2023 10:00

Sample wt/vol: 235.6(mL) Date Analyzed: 12/20/2023 11:24

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	35		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	62		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.038.D
Lims ID: 410-154654-A-11-A
Client ID: FB-20231212-UF
Sample Type: Client
Inject. Date: 20-Dec-2023 11:24:00 ALS Bottle#: 0 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-11-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:09:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.777	1.778	-0.001	741340197H	9.06	
2	2.335	2.340	-0.005	366128280H	9.24	
					RPD = 1.92	
2 alpha-BHC						
1	2.360	2.363	-0.003	427131H	0.003347	
2	2.757	2.750	0.007	349936H	0.002405	
					RPD = 32.75	
4 gamma-BHC (Lindane)						
1	2.727	2.732	-0.005	256745H	0.002080	
2	3.083	3.088	-0.005	2972323H	0.0201	
					RPD = 162.49	
5 beta-BHC						
1	2.982	2.982	0.000	748286H	0.0141	
2	3.382	3.375	0.007	2573569H	0.0443	
					RPD = 103.36	
7 delta-BHC						
1	3.265	3.268	-0.003	261750H	0.001863	
2	3.633	3.628	0.005	1735589H	0.009553	
					RPD = 134.72	
8 Heptachlor						
1	3.092	3.090	0.002	1686705H	0.0153	
2	3.708	3.688	0.020	2613042H	0.0153	
					RPD = 0.22	
9 Aldrin						
1	3.403	3.400	0.003	626817H	0.005021	
2	3.992	3.988	0.004	546003H	0.003167	
					RPD = 45.31	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.912	3.910	0.002	1701031H	0.0138	
2	4.372	4.375	-0.003	1330835H	0.008585	
					RPD = 46.93	
13 trans-Chlordane						
1	4.123	4.113	0.010	3862129H	0.0301	
2	4.627	4.640	-0.013	685683H	0.004897	
					RPD = 143.98	
14 cis-Chlordane						
1	4.202	4.197	0.005	5818604H	0.0457	
2	4.680	4.680	0.000	1904129H	0.0138	
					RPD = 107.19	
15 Endosulfan I						
1	4.235	4.242	-0.007	4358167H	0.0369	
2	4.718	4.710	0.008	1402570H	0.0104	
					RPD = 112.14	
16 4,4'-DDE						
1	4.367	4.373	-0.006	3578928H	0.0253	
2	4.798	4.807	-0.009	571415H	0.004813	
					RPD = 135.97	
18 Dieldrin						
1	4.477	4.480	-0.003	3374696H	0.0243	
2	4.922	4.915	0.007	396404H	0.003349	
					RPD = 151.53	
19 Endrin						
1	4.732	4.733	-0.001	616778H	0.004886	
2	5.097	5.093	0.004	598624H	0.006793	
					RPD = 32.65	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.843	4.835	0.008	4943085H	0.0412	
2	5.225	5.208	0.017	571133H	0.0103	
					RPD = 119.70	
23 Endosulfan II						
1	4.950	4.942	0.008	2039950H	0.0165	
2	5.318	5.298	0.020	242001H	0.003907	
					RPD = 123.29	
25 Endrin aldehyde						
1	5.118	5.117	0.001	561567H	0.005530	
2	5.380	5.380	0.000	309354H	0.006656	
					RPD = 18.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.040	5.043	-0.003	6718041H	0.0637	
2	5.442	5.437	0.005	377584H	0.0109	
					RPD = 141.67	
27 Endosulfan sulfate						
1	5.267	5.267	0.000	466992H	0.003959	
2	5.595	5.592	0.003	119125H	0.002422	
					RPD = 48.16	
28 Methoxychlor						
1	5.542	5.543	-0.001	1116074H	0.0207	
2	5.758	5.762	-0.004	182386H	0.0099	
					RPD = 70.36	
29 Endrin ketone						
1	5.708	5.702	0.006	2645707H	0.0194	
2	5.900	5.897	0.003	1040054H	0.0175	
					RPD = 10.19	
$ 31 DCB Decachlorobiphenyl (Surr)						M
1	6.450	6.450	0.000	607289402H	5.01	
2	6.940	6.945	-0.005	242006525H	5.29	M
					RPD = 5.33	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

U - Marked Undetected

Report Date: 20-Dec-2023 12:13:54 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.038.D

Injection Date: 20-Dec-2023 11:24:00 Instrument ID: 9147

Lims ID: 410-154654-A-11-A Lab Sample ID: 410-154654-11

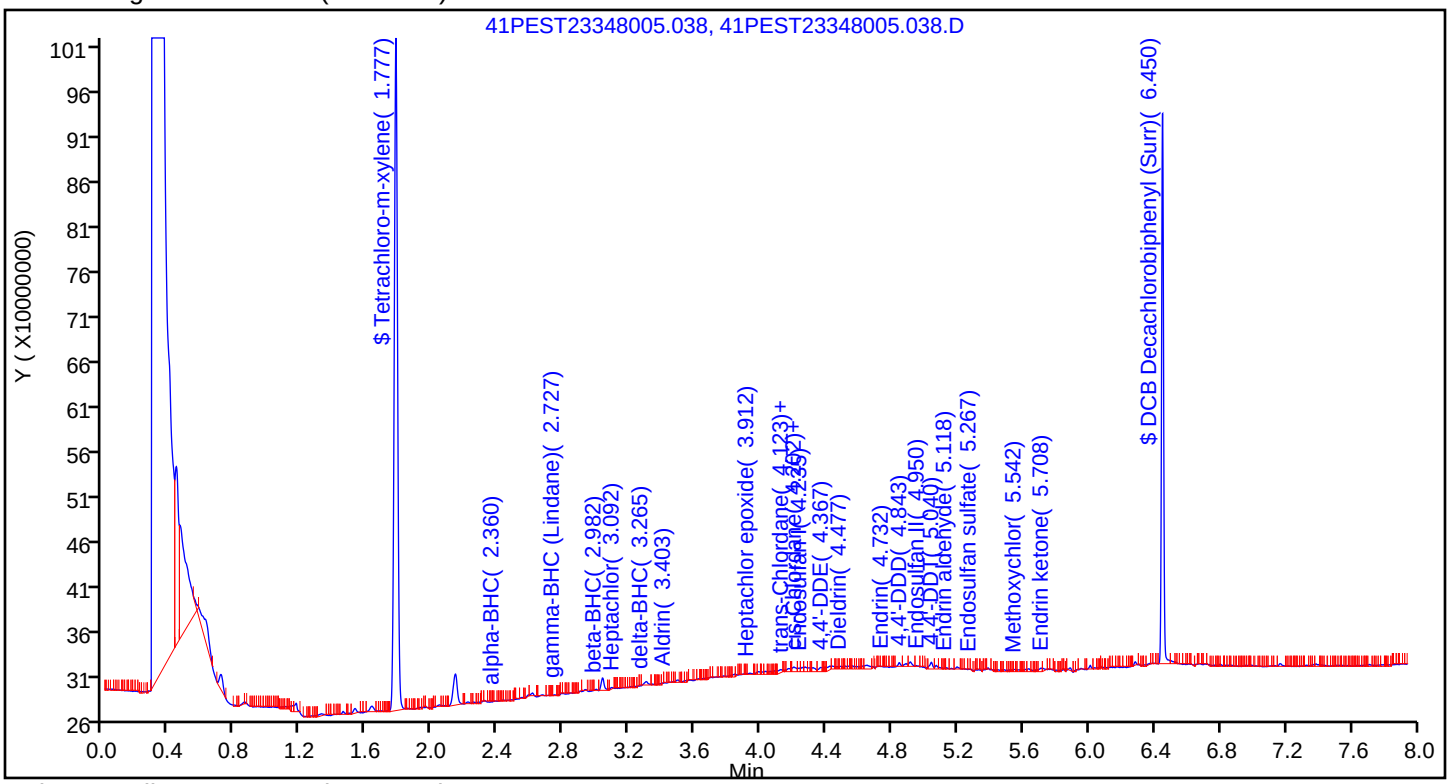
Client ID: FB-20231212-UF

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 38

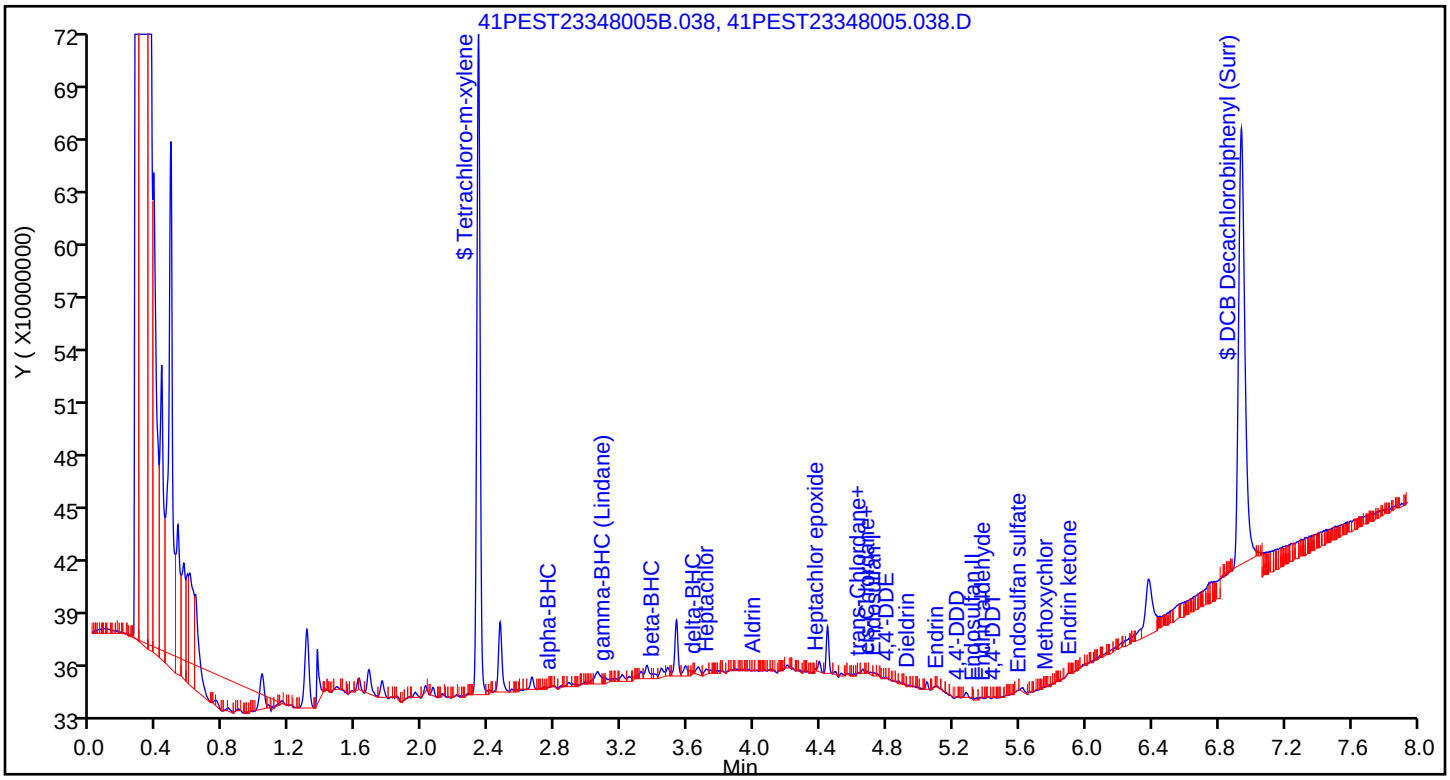
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.038.D				
Lims ID:	410-154654-A-11-A				
Client ID:	FB-20231212-UF				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 11:24:00	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-11-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:09:15		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.06	60.34
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	5.01	33.40

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	9.24	61.51
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	5.29	35.22

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

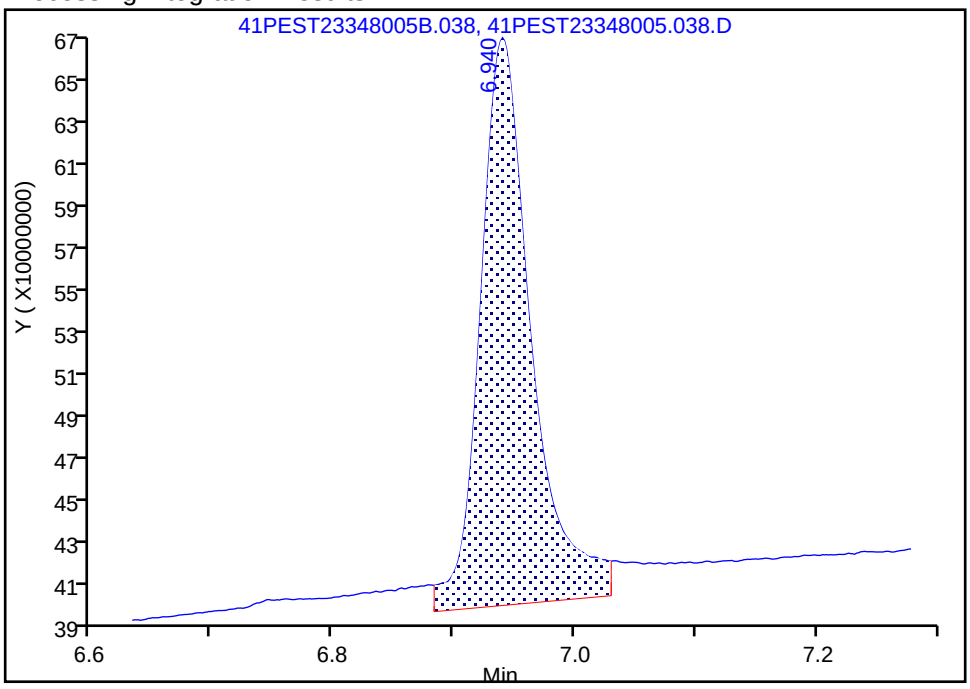
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.038.D				
Injection Date:	20-Dec-2023 11:24:00	Instrument ID:	9147		
Lims ID:	410-154654-A-11-A	Lab Sample ID:	410-154654-11		
Client ID:	FB-20231212-UF				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

$ 31 DCB Decachlorobiphenyl (Surr), CAS: 2051-24-3

Signal: 1

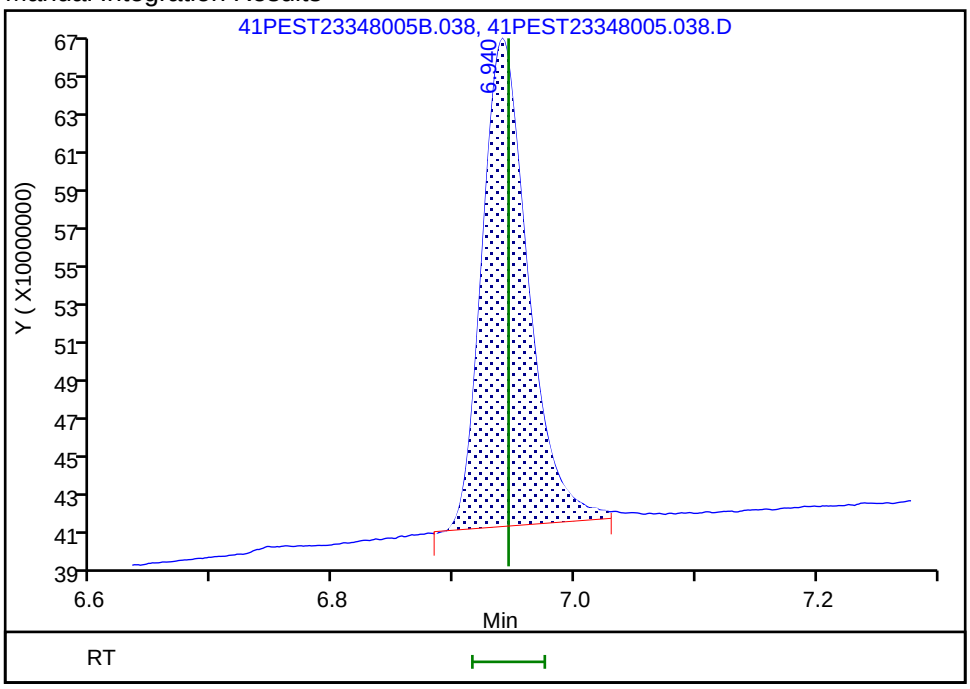
Processing Integration Results

RT: 6.94
Height: 254246048
Amount: 5.553603
Amount Units: ug/l



Manual Integration Results

RT: 6.94
Height: 242006525
Amount: 5.286250
Amount Units: ug/l



Reviewer: UAMZ, 20-Dec-2023 12:09:29 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: FB-20231212-F
Lab Sample ID: 410-154654-12

Matrix: Water
Lab File ID: 41PEST23348005.039.D

Analysis Method: 8081B
Date Collected: 12/12/2023 12:08

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 248.3(mL)
Date Analyzed: 12/20/2023 11:39

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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
319-85-7	beta-BHC	ND		0.030	0.011
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	0.0082
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)	20		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	51		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.039.D
Lims ID: 410-154654-A-12-A
Client ID: FB-20231212-F
Sample Type: Client
Inject. Date: 20-Dec-2023 11:39:00 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-12-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:09:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.773	1.778	-0.005	624114434	H 7.63	
2	2.335	2.340	-0.005	310730857	H 7.84	
					RPD = 2.72	
2 alpha-BHC						
1	2.362	2.363	-0.001	246000	H 0.001928	
2	2.745	2.750	-0.005	366406	H 0.002518	
					RPD = 26.57	
4 gamma-BHC (Lindane)						
1	2.730	2.732	-0.002	83718	H 0.000678	
2	3.088	3.088	0.000	858129	H 0.005805	
					RPD = 158.15	
5 beta-BHC						
1	2.993	2.982	0.011	1431156	H 0.0270	
2	3.377	3.375	0.002	771381	H 0.0133	
					RPD = 68.11	
7 delta-BHC						
1	3.252	3.268	-0.016	499222	H 0.003554	
2	3.625	3.628	-0.003	135834	H 0.000748	
					RPD = 130.47	
8 Heptachlor						
1	3.092	3.090	0.002	1473891	H 0.0134	
2	3.708	3.688	0.020	4494349	H 0.0263	
					RPD = 65.05	
9 Aldrin						
1	3.398	3.400	-0.002	242129	H 0.001940	
2	3.985	3.988	-0.003	2449414	H 0.0142	
					RPD = 151.94	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
11 Heptachlor epoxide						
1	3.912	3.910	0.002	2456459H	0.0200	
2	4.377	4.375	0.002	1454505H	0.009383	
					RPD = 72.27	
13 trans-Chlordane						
1	4.115	4.113	0.002	2459438H	0.0191	
2	4.640	4.640	0.000	67492H	0.000482	
					RPD = 190.18	
14 cis-Chlordane						
1	4.203	4.197	0.006	3932921H	0.0309	
2	4.673	4.680	-0.007	532826H	0.003860	
					RPD = 155.53	
15 Endosulfan I						
1	4.248	4.242	0.006	2751941H	0.0233	
2	4.712	4.710	0.002	621751H	0.004599	
					RPD = 134.00	
16 4,4'-DDE						
1	4.377	4.373	0.004	1694044H	0.0120	
2	4.802	4.807	-0.005	647000H	0.005450	
					RPD = 74.75	
18 Dieldrin						
1	4.478	4.480	-0.002	545220H	0.003924	
2	4.920	4.915	0.005	132172H	0.001117	
					RPD = 111.40	
19 Endrin						
1	4.723	4.733	-0.010	1760010H	0.0139	
2	5.097	5.093	0.004	2608672H	0.0296	
					RPD = 71.92	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.842	4.835	0.007	4414875H	0.0368	
2	5.208	5.208	0.000	360626H	0.006529	
					RPD = 139.68	
23 Endosulfan II						
1	4.945	4.942	0.003	3627911H	0.0293	
2	5.298	5.298	0.000	211132H	0.003408	
					RPD = 158.29	
25 Endrin aldehyde						
1	5.115	5.117	-0.002	953185H	0.009386	
2	5.387	5.380	0.007	93963H	0.002022	
					RPD = 129.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.037	5.043	-0.006	8609800	0.0817	H
2	5.435	5.437	-0.002	230391	0.006639	H
					RPD = 169.93	
27 Endosulfan sulfate						
1	5.257	5.267	-0.010	503658	0.004270	H
2	5.592	5.592	0.000	194200	0.003949	H
					RPD = 7.81	
28 Methoxychlor						
1	5.545	5.543	0.002	366462	0.006800	H
2	5.763	5.762	0.001	315047	0.0172	H
					RPD = 86.45	
29 Endrin ketone						
1	5.708	5.702	0.006	3289677	0.0242	H
2	5.898	5.897	0.001	651750	0.0110	H
					RPD = 74.89	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.447	6.450	-0.003	360470268	2.97	H
2	6.940	6.945	-0.005	152935428	3.34	H
					RPD = 11.58	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

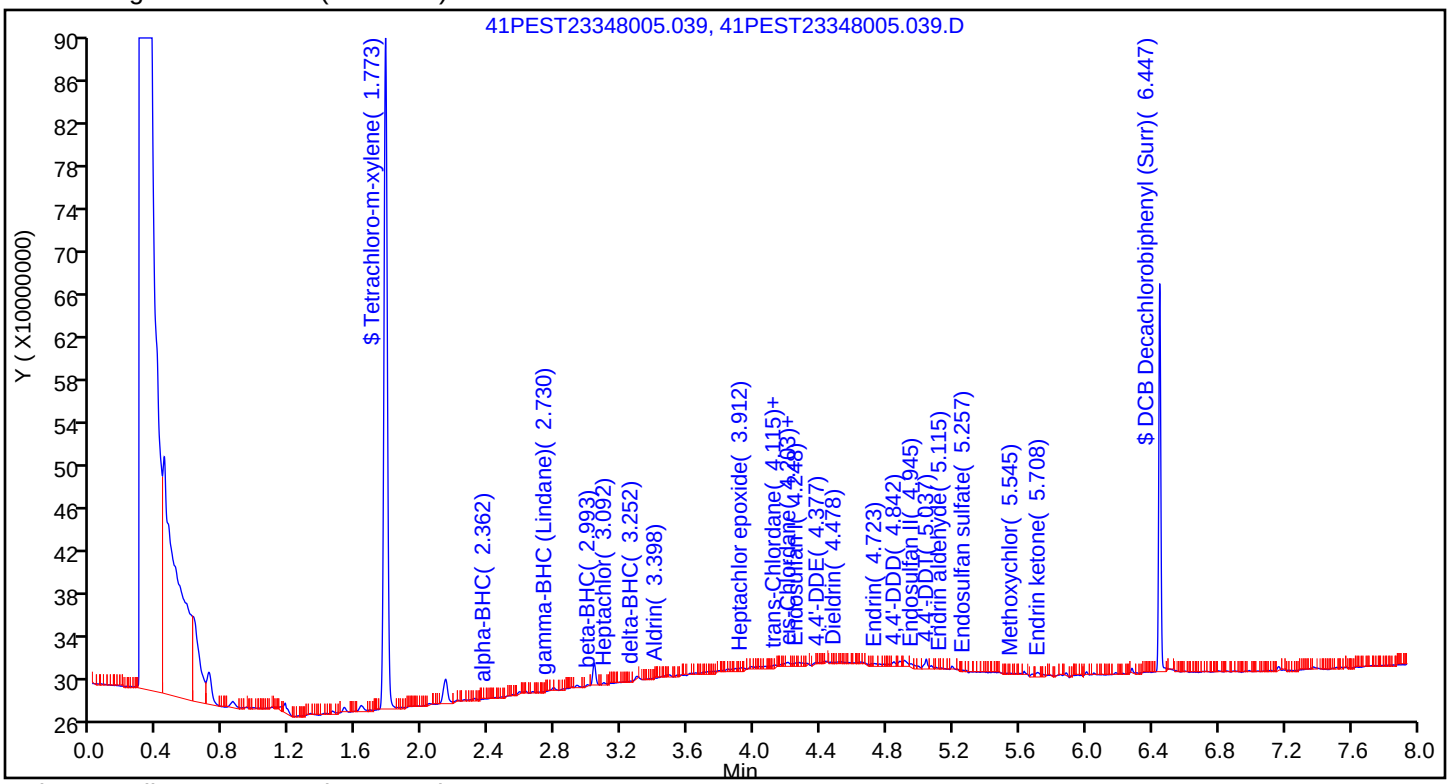
U - Marked Undetected

Report Date: 20-Dec-2023 12:13:56 Chrom Revision: 2.3 30-Nov-2023 17:25:52

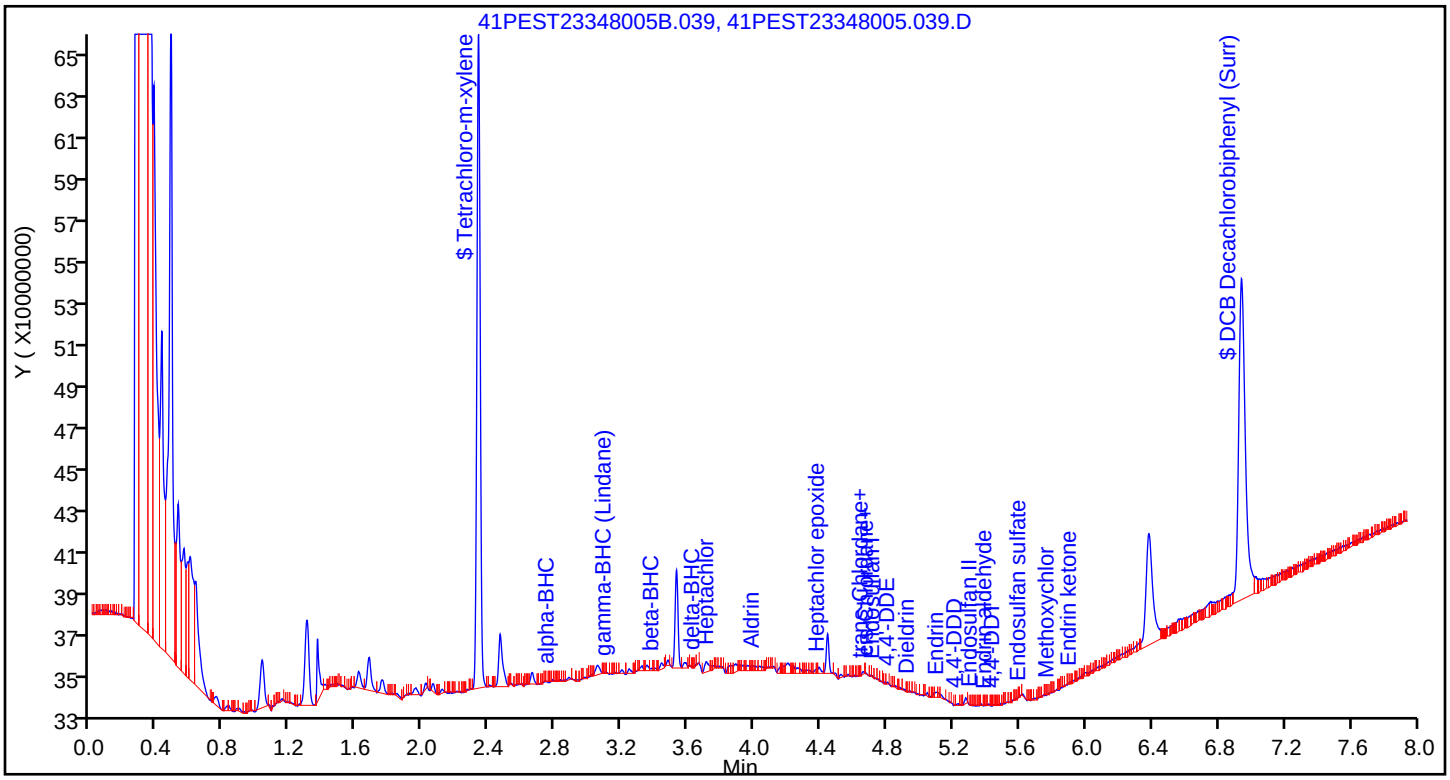
Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.039.D				
Injection Date:	20-Dec-2023 11:39:00	Instrument ID:	9147		
Lims ID:	410-154654-A-12-A	Lab Sample ID:	410-154654-12		
Client ID:	FB-20231212-F				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.039.D				
Lims ID:	410-154654-A-12-A				
Client ID:	FB-20231212-F				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 11:39:00	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-12-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:09:10		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	7.63	50.80
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	2.97	19.82

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	7.84	52.20
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	3.34	22.26

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: FB-20231212-F Lab Sample ID: 410-154654-12

Matrix: Water Lab File ID: 41PEST23348005.039.D

Analysis Method: 8081B Date Collected: 12/12/2023 12:08

Extraction Method: 3510C Date Extracted: 12/18/2023 10:00

Sample wt/vol: 248.3(mL) Date Analyzed: 12/20/2023 11:39

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	22		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	52		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.039.D
Lims ID: 410-154654-A-12-A
Client ID: FB-20231212-F
Sample Type: Client
Inject. Date: 20-Dec-2023 11:39:00 ALS Bottle#: 0 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-12-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:13:28 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:09:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene						
1	1.773	1.778	-0.005	624114434	H 7.63	
2	2.335	2.340	-0.005	310730857	H 7.84	
					RPD = 2.72	
2 alpha-BHC						
1	2.362	2.363	-0.001	246000	H 0.001928	
2	2.745	2.750	-0.005	366406	H 0.002518	
					RPD = 26.57	
4 gamma-BHC (Lindane)						
1	2.730	2.732	-0.002	83718	H 0.000678	
2	3.088	3.088	0.000	858129	H 0.005805	
					RPD = 158.15	
5 beta-BHC						
1	2.993	2.982	0.011	1431156	H 0.0270	
2	3.377	3.375	0.002	771381	H 0.0133	
					RPD = 68.11	
7 delta-BHC						
1	3.252	3.268	-0.016	499222	H 0.003554	
2	3.625	3.628	-0.003	135834	H 0.000748	
					RPD = 130.47	
8 Heptachlor						
1	3.092	3.090	0.002	1473891	H 0.0134	
2	3.708	3.688	0.020	4494349	H 0.0263	
					RPD = 65.05	
9 Aldrin						
1	3.398	3.400	-0.002	242129	H 0.001940	
2	3.985	3.988	-0.003	2449414	H 0.0142	
					RPD = 151.94	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
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1	3.912	3.910	0.002	2456459H	0.0200	
2	4.377	4.375	0.002	1454505H	0.009383	
					RPD = 72.27	
13 trans-Chlordane						
1	4.115	4.113	0.002	2459438H	0.0191	
2	4.640	4.640	0.000	67492H	0.000482	
					RPD = 190.18	
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1	4.203	4.197	0.006	3932921H	0.0309	
2	4.673	4.680	-0.007	532826H	0.003860	
					RPD = 155.53	
15 Endosulfan I						
1	4.248	4.242	0.006	2751941H	0.0233	
2	4.712	4.710	0.002	621751H	0.004599	
					RPD = 134.00	
16 4,4'-DDE						
1	4.377	4.373	0.004	1694044H	0.0120	
2	4.802	4.807	-0.005	647000H	0.005450	
					RPD = 74.75	
18 Dieldrin						
1	4.478	4.480	-0.002	545220H	0.003924	
2	4.920	4.915	0.005	132172H	0.001117	
					RPD = 111.40	
19 Endrin						
1	4.723	4.733	-0.010	1760010H	0.0139	
2	5.097	5.093	0.004	2608672H	0.0296	
					RPD = 71.92	
21 Toxaphene						U
1		4.957			ND	
1		5.175				
1		5.227				
1		5.557				
1		5.800				
2		5.122				
2		5.347				
2		5.528				
2		5.583				
2		5.917				
22 4,4'-DDD						
1	4.842	4.835	0.007	4414875H	0.0368	
2	5.208	5.208	0.000	360626H	0.006529	
					RPD = 139.68	
23 Endosulfan II						
1	4.945	4.942	0.003	3627911H	0.0293	
2	5.298	5.298	0.000	211132H	0.003408	
					RPD = 158.29	
25 Endrin aldehyde						
1	5.115	5.117	-0.002	953185H	0.009386	
2	5.387	5.380	0.007	93963H	0.002022	
					RPD = 129.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
26 4,4'-DDT						
1	5.037	5.043	-0.006	8609800	0.0817	H
2	5.435	5.437	-0.002	230391	0.006639	H
					RPD = 169.93	
27 Endosulfan sulfate						
1	5.257	5.267	-0.010	503658	0.004270	H
2	5.592	5.592	0.000	194200	0.003949	H
					RPD = 7.81	
28 Methoxychlor						
1	5.545	5.543	0.002	366462	0.006800	H
2	5.763	5.762	0.001	315047	0.0172	H
					RPD = 86.45	
29 Endrin ketone						
1	5.708	5.702	0.006	3289677	0.0242	H
2	5.898	5.897	0.001	651750	0.0110	H
					RPD = 74.89	
$ 31 DCB Decachlorobiphenyl (Surr)						
1	6.447	6.450	-0.003	360470268	2.97	H
2	6.940	6.945	-0.005	152935428	3.34	H
					RPD = 11.58	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

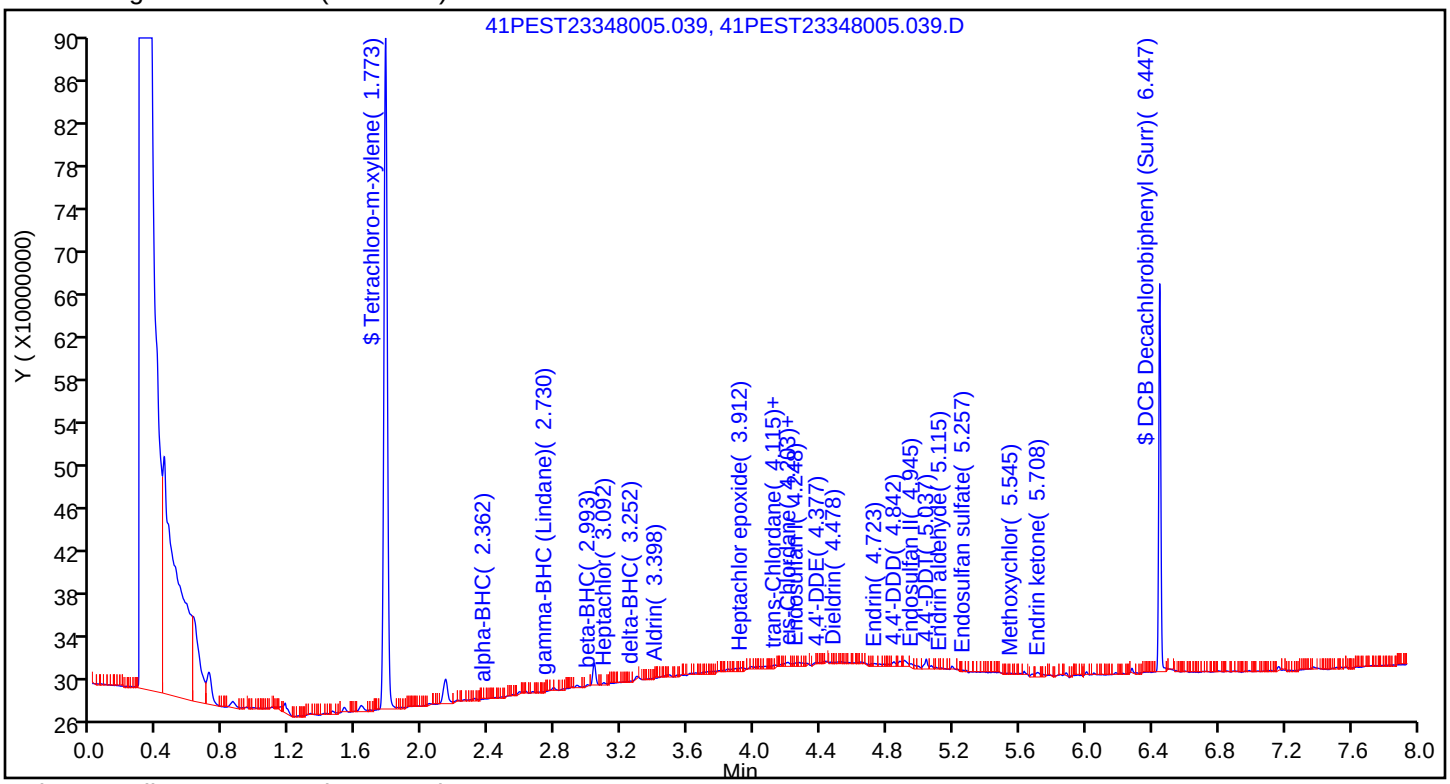
Report Date: 20-Dec-2023 12:13:57 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

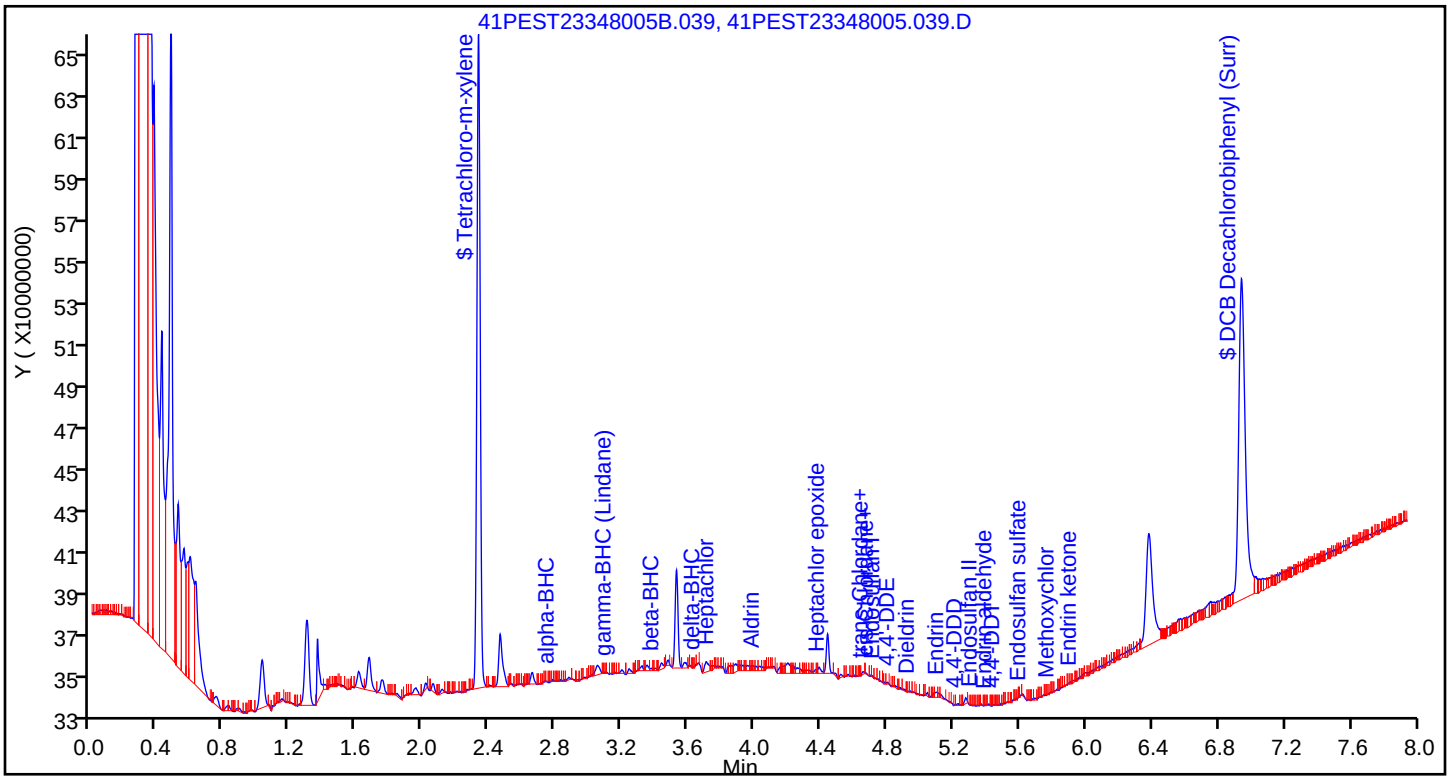
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Injection Date:	20-Dec-2023 11:39:00	Instrument ID:	9147		
Lims ID:	410-154654-A-12-A	Lab Sample ID:	410-154654-12		
Client ID:	FB-20231212-F				
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.039.D				
Lims ID:	410-154654-A-12-A				
Client ID:	FB-20231212-F				
Sample Type:	Client				
Inject. Date:	20-Dec-2023 11:39:00	ALS Bottle#:	0	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-12-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:13:28	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:09:10		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	7.63	50.80
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	2.97	19.82

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	7.84	52.20
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	3.34	22.26

FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56815

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/7	41PEST23348001.007.D
Level 2	IC 410-453851/8	41PEST23348001.008.D
Level 3	IC 410-453851/9	41PEST23348001.009.D
Level 4	ICRT 410-453851/10	41PEST23348001.010.D
Level 5	IC 410-453851/11	41PEST23348001.011.D
Level 6	IC 410-453851/12	41PEST23348001.012.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	2.550	2.553	2.555	2.555	2.553	2.555					2.525 - 2.585	2.554
gamma-BHC (Lindane)	2.927	2.930	2.932	2.932	2.930	2.930					2.902 - 2.962	2.930
beta-BHC	3.178	3.180	3.182	3.182	3.180	3.182					3.152 - 3.212	3.181
Heptachlor	3.292	3.295	3.297	3.295	3.293	3.295					3.265 - 3.325	3.295
delta-BHC	3.460	3.463	3.465	3.463	3.463	3.463					3.433 - 3.493	3.463
Aldrin	3.593	3.597	3.598	3.598	3.597	3.597					3.568 - 3.628	3.597
Heptachlor epoxide	4.090	4.093	4.095	4.095	4.093	4.093					4.065 - 4.125	4.093
gamma-Chlordane	4.290	4.293	4.295	4.293	4.293	4.293					4.263 - 4.323	4.293
alpha-Chlordane	4.372	4.375	4.377	4.375	4.375	4.375					4.345 - 4.405	4.375
Endosulfan I	4.418	4.422	4.423	4.422	4.422	4.422					4.392 - 4.452	4.422
p,p'-DDE	4.542	4.545	4.545	4.545	4.543	4.545					4.515 - 4.575	4.544
Dieldrin	4.653	4.657	4.658	4.657	4.657	4.657					4.627 - 4.687	4.657
Endrin	4.905	4.908	4.908	4.908	4.907	4.907					4.878 - 4.938	4.907
p,p'-DDD	4.997	5.000	5.002	5.000	5.000	5.000					4.970 - 5.030	5.000
Endosulfan II	5.112	5.113	5.115	5.115	5.113	5.113					5.085 - 5.145	5.114
p,p'-DDT	5.207	5.208	5.210	5.210	5.208	5.210					5.180 - 5.240	5.209
Endrin aldehyde	5.283	5.287	5.287	5.287	5.285	5.287					5.257 - 5.317	5.286
Endosulfan sulfate	5.432	5.435	5.435	5.435	5.433	5.435					5.405 - 5.465	5.434
Methoxychlor	5.700	5.702	5.703	5.703	5.702	5.703					5.673 - 5.733	5.702
Endrin ketone	5.870	5.873	5.875	5.873	5.873	5.873					5.843 - 5.903	5.873
Tetrachloro-m-xylene (Surr)	1.952	1.953	1.955	1.955	1.953	1.955					1.925 - 1.985	1.954
DCB Decachlorobiphenyl (Surr)	6.618	6.620	6.622	6.622	6.620	6.620					6.592 - 6.652	6.620

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56815

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/7	41PEST23348001.007.D
Level 2	IC 410-453851/8	41PEST23348001.008.D
Level 3	IC 410-453851/9	41PEST23348001.009.D
Level 4	ICRT 410-453851/10	41PEST23348001.010.D
Level 5	IC 410-453851/11	41PEST23348001.011.D
Level 6	IC 410-453851/12	41PEST23348001.012.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	128582839 135443771	120290314 138066637	123497292	135254239	Ave		130189182				5.5		20.0			
gamma-BHC (Lindane)	121292503 128056407	118956949 125949602	117207462	127838526	Ave		123216908				3.8		20.0			
beta-BHC	60569484 52495046	59055308 50334976	51696065	54303772	Ave		54742441. 6				7.6		20.0			
Heptachlor	116772208 116900379	116342813 112271955	108918824	119184368	Ave		115065091				3.3		20.0			
delta-BHC	142940815 153166354	138167184 151521553	137047253	156891503	Ave		146622444				5.7		20.0			
Aldrin	129020734 135381646	128856698 128609107	124025475	134407955	Ave		130050269				3.2		20.0			
Heptachlor epoxide	125647543 128210013	121156956 124099352	116672602	124038044	Ave		123304085				3.2		20.0			
gamma-Chlordane	134070403 137094975	127709441 133087491	126615387	134511829	Ave		132181588				3.1		20.0			
alpha-Chlordane	131723674 136000029	128495250 130153183	121257938	129802814	Ave		129572148				3.7		20.0			
Endosulfan I	124160832 125953589	116051406 120149104	111329795	128370977	Ave		121002617				5.3		20.0			
p,p'-DDE	136801674 154617797	134746372 149356629	138787904	156159942	Ave		145078386				6.5		20.0			
Dieldrin	133372201 153873036	128974938 152039295	138108343	151860770	Ave		143038097				7.6		20.0			
Endrin	123701346 134377190	119402070 127237358	121294528	132397091	Ave		126401597				4.8		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56815

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
p,p'-DDD	113203402 132648097	113318022 126381526	118768299	131632425	Ave		122658629				7.2		20.0			
Endosulfan II	124987765 133277221	119485339 127609296	119583824	130956757	Ave		125983367				4.6		20.0			
p,p'-DDT	70625879 92693420	68915963 97616048	73796491	87661345	Ave		81884857.5				15.0		20.0			
Endrin aldehyde	103145708 108275114	97592976 98728465	95760673	107982478	Ave		101914236				5.3		20.0			
Endosulfan sulfate	114541238 118928211	112418574 115008097	103733541	122808791	Ave		114573075				5.6		20.0			
Methoxychlor	44550458 49887225	45105598 50425491	46056667	52082544	Ave		48017997.0				6.6		20.0			
Endrin ketone	127394067 135226954	122617888 132496473	120029469	134207824	Ave		128662113				4.9		20.0			
Tetrachloro-m-xylene (Surr)	84370588 83313389	80759669 81477210	81603045	85597007	Ave		82853484.6				2.3		20.0			
DCB Decachlorobiphenyl (Surr)	113988874 114468597	108398611 105262524	107168887	116538228	Ave		110970954				4.1		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56815

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/7	41PEST23348001.007.D
Level 2	IC 410-453851/8	41PEST23348001.008.D
Level 3	IC 410-453851/9	41PEST23348001.009.D
Level 4	ICRT 410-453851/10	41PEST23348001.010.D
Level 5	IC 410-453851/11	41PEST23348001.011.D
Level 6	IC 410-453851/12	41PEST23348001.012.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
alpha-BHC	Ave	63777088 2761332746	120290314	617486461	1352542389	2058745321	0.496 20.0	1.00	5.00	10.0	15.2
gamma-BHC (Lindane)	Ave	60913095 2550479450	120443911	593362777	1294365073	1970788099	0.502 20.3	1.01	5.06	10.1	15.4
beta-BHC	Ave	30417995 1019283255	59793499	261711329	549825688	807898754	0.502 20.3	1.01	5.06	10.1	15.4
Heptachlor	Ave	57919015 2245439099	116342813	544594120	1191843677	1776885760	0.496 20.0	1.00	5.00	10.0	15.2
delta-BHC	Ave	70898644 3030431057	138167184	685236267	1568915025	2328128579	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	63994284 2572182140	128856698	620127374	1344079548	2057801012	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	63100196 2513011874	122671418	590655050	1255885198	1973152104	0.502 20.3	1.01	5.06	10.1	15.4
gamma-Chlordane	Ave	66498920 2661749815	127709441	633076934	1345118287	2083843627	0.496 20.0	1.00	5.00	10.0	15.2
alpha-Chlordane	Ave	66151629 2635601958	130101441	613868309	1314253493	2093040446	0.502 20.3	1.01	5.06	10.1	15.4
Endosulfan I	Ave	62353570 2433019361	117502049	563607087	1299756146	1938425735	0.502 20.3	1.01	5.06	10.1	15.4
p,p'-DDE	Ave	136555431 6011604307	271177073	1396553280	3142718834	4729758407	0.998 40.3	2.01	10.1	20.1	30.6
Dieldrin	Ave	132305223 6081571791	257949876	1381083426	3037215402	4677740287	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	122711735 5089494318	238804140	1212945276	2647941811	4085066567	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	112297775 5055261023	226636044	1187682994	2632648509	4032502145	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan II	Ave	123987863 5104371823	238970678	1195838242	2619135138	4051627525	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDT	Ave	70060872	137831925	737964905	1753226897	2817879961	0.992	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 Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56815

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
		3904641926					40.0				
Endrin aldehyde	Ave	102320542 3949138605	195185952	957606726	2159649566	3291563454	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan sulfate	Ave	113624908 4600323895	224837148	1037335411	2456175813	3615417613	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	222627549 1016073642 3	454438901	2320104585	5247316281	7639729586	5.00 202	10.1	50.4	101	153
Endrin ketone	Ave	127164758 5332983030	246768500	1207796535	2700932468	4136592515	0.998 40.3	2.01	10.1	20.1	30.6
Tetrachloro-m-xylene (Surr)	Ave	168395595 6557285841	324976908	1641853275	3444423544	5095846751	2.00 80.5	4.02	20.1	40.2	61.2
DCB Decachlorobiphenyl (Surr)	Ave	228076234 8492580459	437279997	2161596451	4701152123	7018848080	2.00 80.7	4.03	20.2	40.3	61.3

Curve Type Legend:
Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.007.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Dec-2023 04:47:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:14 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:19:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.952	1.955	-0.003	168395595H	2.00	2.03	
2	2.532	2.535	-0.003	94223684H	2.00	2.38	
						RPD = 15.56	
2 alpha-BHC							M
1	2.550	2.555	-0.005	63777088H	0.4960	0.4899	
2	2.953	2.958	-0.005	72685541H	0.4960	0.5070	M
						RPD = 3.44	
4 gamma-BHC (Lindane)							M
1	2.927	2.932	-0.005	60913095H	0.5022	0.4944	
2	3.297	3.302	-0.005	77155451H	0.5022	0.5179	M
						RPD = 4.65	
5 beta-BHC							M
1	3.178	3.182	-0.004	30417995H	0.5022	0.5557	
2	3.570	3.572	-0.002	32938991H	0.5022	0.5681	M
						RPD = 2.22	
7 delta-BHC							M
1	3.460	3.463	-0.003	70898644H	0.4960	0.4835	
2	3.818	3.822	-0.004	89048660H	0.4960	0.4900	M
						RPD = 1.33	
8 Heptachlor							M
1	3.292	3.295	-0.003	57919015H	0.4960	0.5034	
2	3.882	3.885	-0.003	86508179H	0.4960	0.5318	M
						RPD = 5.49	
9 Aldrin							M
1	3.593	3.598	-0.005	63994284H	0.4960	0.4921	
2	4.177	4.182	-0.005	91066991H	0.4960	0.5271	M
						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							M
1	4.090	4.095	-0.005	63100196H	0.5022	0.5117	
2	4.555	4.560	-0.005	84850738H	0.5022	0.5594	M
						RPD = 8.90	
13 trans-Chlordane							
1	4.290	4.293	-0.003	66498920H	0.4960	0.5031	
2	4.817	4.820	-0.003	71652555H	0.4960	0.5811	
						RPD = 14.39	
14 cis-Chlordane							
1	4.372	4.375	-0.003	66151629H	0.5022	0.5105	
2	4.857	4.860	-0.003	67316204H	0.5022	0.5646	
						RPD = 10.05	
15 Endosulfan I							
1	4.418	4.422	-0.004	62353570H	0.5022	0.5153	
2	4.888	4.892	-0.004	65618084H	0.5022	0.5688	
						RPD = 9.87	
16 4,4'-DDE							
1	4.542	4.545	-0.003	136555431H	1.00	0.9413	
2	4.975	4.980	-0.005	112153133H	1.00	1.13	
						RPD = 18.20	
18 Dieldrin							
1	4.653	4.657	-0.004	132305223H	0.99	0.9250	
2	5.092	5.095	-0.003	112914673H	0.99	1.17	
						RPD = 23.47	
19 Endrin							
1	4.905	4.908	-0.003	122711735H	0.99	0.9708	
2	5.270	5.273	-0.003	87205268H	0.99	1.22	
						RPD = 23.09	
22 4,4'-DDD							
1	4.997	5.000	-0.003	112297775H	0.99	0.9155	
2	5.373	5.377	-0.004	56746520H	0.99	1.19	
						RPD = 26.23	
23 Endosulfan II							
1	5.112	5.115	-0.003	123987863H	0.99	0.9842	
2	5.470	5.473	-0.003	67212999H	0.99	1.21	
						RPD = 20.41	
25 Endrin aldehyde							
1	5.283	5.287	-0.004	102320542H	0.99	1.00	
2	5.552	5.555	-0.003	51033023H	0.99	1.18	
						RPD = 15.82	
26 4,4'-DDT							
1	5.207	5.210	-0.003	70060872H	0.99	0.8556	
2	5.602	5.605	-0.003	23327271H	0.99	0.9561	
						RPD = 11.10	
27 Endosulfan sulfate							
1	5.432	5.435	-0.003	113624908H	0.99	0.99	
2	5.762	5.765	-0.003	54954279H	0.99	1.10	
						RPD = 10.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.700	5.703	-0.003	222627549H	5.00	4.64	
2	5.922	5.925	-0.003	80753250H	5.00	4.68	
						RPD = 0.91	
29 Endrin ketone							
1	5.870	5.873	-0.003	127164758H	1.00	0.9884	
2	6.068	6.072	-0.004	58271695H	1.00	0.9803	
						RPD = 0.82	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.618	6.622	-0.004	228076234H	2.00	2.06	
2	7.150	7.153	-0.003	99969537H	2.00	2.21	
						RPD = 7.46	
S 32 Total DDTs							
1						0.8556	
2						0.9561	
						RPD = 11.10	
S 33 Endosulfan, Total							
1						1.50	
2						1.78	
						RPD = 16.93	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCS_MIXA1_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:14 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.007.D

Injection Date: 14-Dec-2023 04:47:00 Instrument ID: 9147

Lims ID: ic mixa1

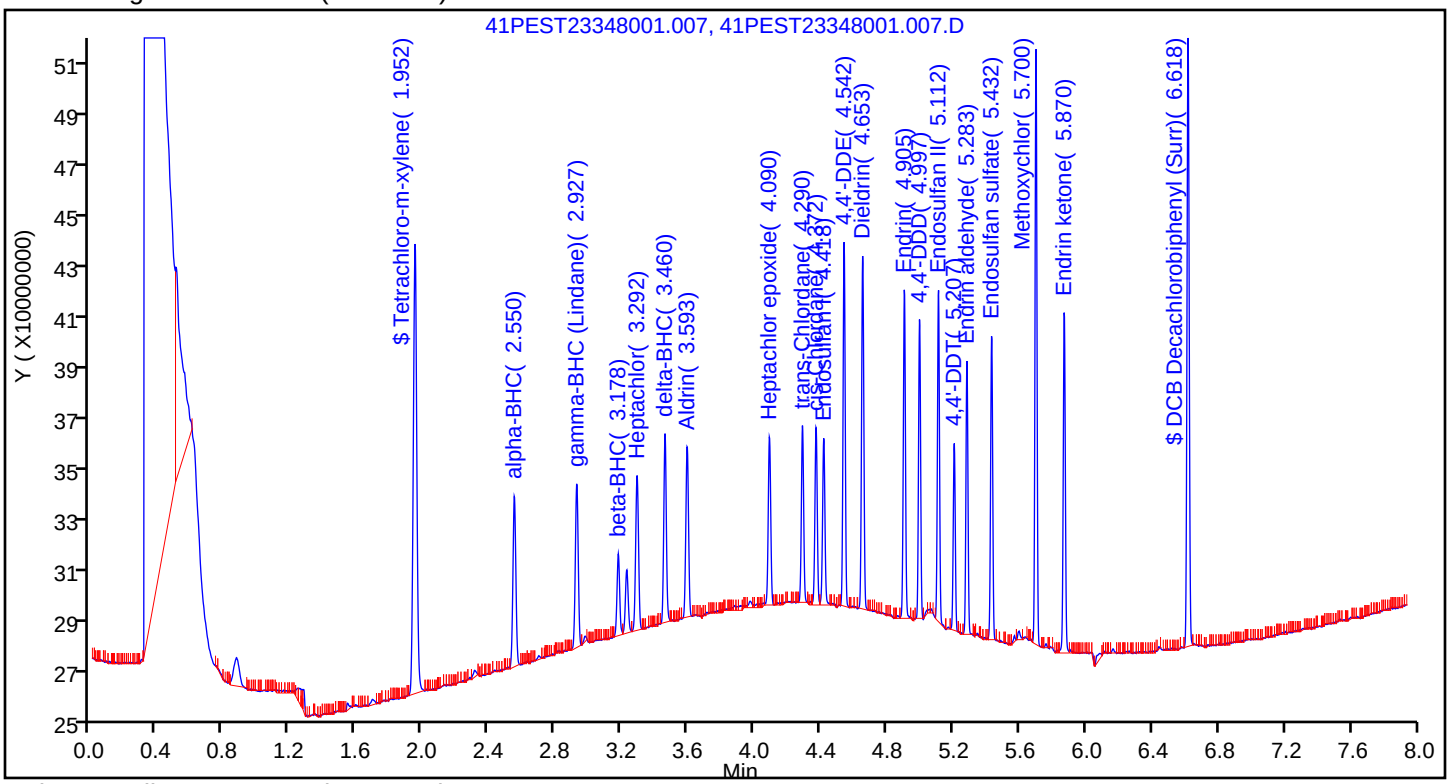
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

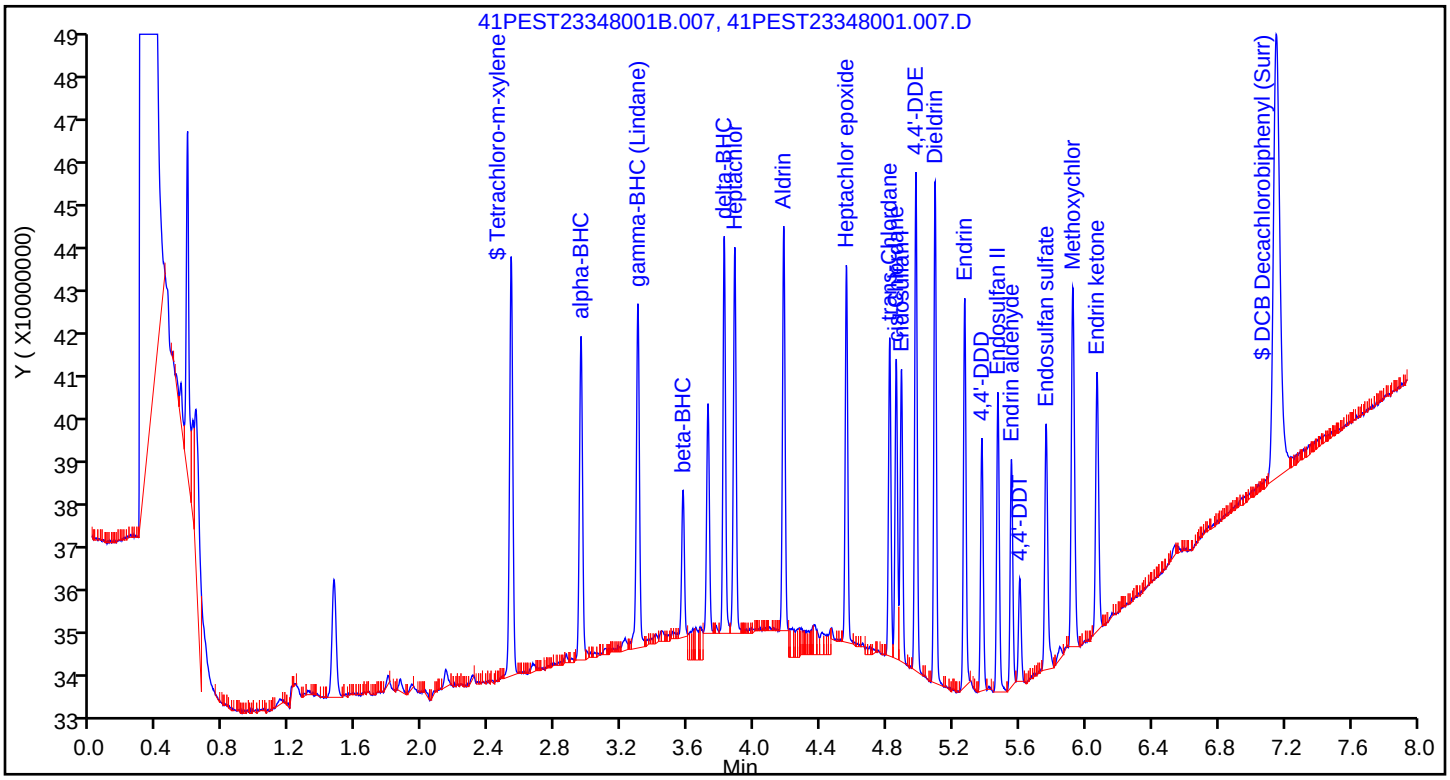
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D
Lims ID: ic 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Dec-2023 05:01:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:20 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 09:18:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.953	1.955	-0.002	324976908H	4.02	3.92	
2	2.533	2.535	-0.002	174893940H	4.02	4.41	
						RPD = 11.68	
2 alpha-BHC							
1	2.553	2.555	-0.002	120290314H	1.00	0.9240	
2	2.955	2.958	-0.003	142492073H	1.00	0.99	
						RPD = 7.30	
4 gamma-BHC (Lindane)							
1	2.930	2.932	-0.002	120443911H	1.01	0.9775	
2	3.298	3.302	-0.004	149624163H	1.01	1.00	
						RPD = 2.71	
5 beta-BHC							M
1	3.180	3.182	-0.002	59793499H	1.01	1.09	
2	3.572	3.572	0.000	63838207H	1.01	1.10	M
						RPD = 0.80	
7 delta-BHC							M
1	3.463	3.463	0.000	138167184H	1.00	0.9423	
2	3.822	3.822	0.000	168561877H	1.00	0.9275	M
						RPD = 1.58	
8 Heptachlor							M
1	3.295	3.295	0.000	116342813H	1.00	1.01	
2	3.885	3.885	0.000	160367167H	1.00	0.9858	M
						RPD = 2.53	
9 Aldrin							M
1	3.597	3.598	-0.001	128856698H	1.00	0.99	
2	4.180	4.182	-0.002	175556845H	1.00	1.02	M
						RPD = 2.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							M
1	4.093	4.095	-0.002	122671418H	1.01	0.99	
2	4.558	4.560	-0.002	160337083H	1.01	1.06	M
						RPD = 6.06	
13 trans-Chlordane							M
1	4.293	4.293	0.000	127709441H	1.00	0.9662	
2	4.820	4.820	0.000	132628596H	1.00	1.08	M
						RPD = 10.72	
14 cis-Chlordane							M
1	4.375	4.375	0.000	130101441H	1.01	1.00	
2	4.860	4.860	0.000	130927865H	1.01	1.10	M
						RPD = 8.94	
15 Endosulfan I							M
1	4.422	4.422	0.000	117502049H	1.01	0.9711	
2	4.890	4.892	-0.002	131051224H	1.01	1.14	M
						RPD = 15.66	
16 4,4'-DDE							M
1	4.545	4.545	0.000	271177073H	2.01	1.87	
2	4.978	4.980	-0.002	210852246H	2.01	2.12	M
						RPD = 12.75	
18 Dieldrin							
1	4.657	4.657	0.000	257949876H	2.00	1.80	
2	5.093	5.095	-0.002	210442474H	2.00	2.18	
						RPD = 19.01	
19 Endrin							
1	4.908	4.908	0.000	238804140H	2.00	1.89	
2	5.272	5.273	-0.001	163863852H	2.00	2.30	
						RPD = 19.63	
22 4,4'-DDD							
1	5.000	5.000	0.000	226636044H	2.00	1.85	
2	5.377	5.377	0.000	109980711H	2.00	2.31	
						RPD = 22.24	
23 Endosulfan II							
1	5.113	5.115	-0.002	238970678H	2.00	1.90	
2	5.473	5.473	0.000	124523075H	2.00	2.24	
						RPD = 16.50	
25 Endrin aldehyde							
1	5.287	5.287	0.000	195185952H	2.00	1.92	
2	5.555	5.555	0.000	97370094H	2.00	2.24	
						RPD = 15.84	
26 4,4'-DDT							
1	5.208	5.210	-0.002	137831925H	2.00	1.68	
2	5.605	5.605	0.000	46082633H	2.00	1.89	
						RPD = 11.51	
27 Endosulfan sulfate							
1	5.435	5.435	0.000	224837148H	2.00	1.96	
2	5.763	5.765	-0.002	104152957H	2.00	2.09	
						RPD = 6.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.702	5.703	-0.001	454438901H	10.1	9.46	
2	5.925	5.925	0.000	159616205H	10.1	9.25	
						RPD = 2.31	
29 Endrin ketone							
1	5.873	5.873	0.000	246768500H	2.01	1.92	
2	6.072	6.072	0.000	114443736H	2.01	1.93	
						RPD = 0.38	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.620	6.622	-0.002	437279997H	4.03	3.94	
2	7.155	7.153	0.002	184801707H	4.03	4.09	
						RPD = 3.82	
S 32 Total DDTs							
1						1.68	
2						1.89	
						RPD = 11.51	
S 33 Endosulfan, Total							
1						2.87	
2						3.37	
						RPD = 16.21	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCS_MIXA2_00010 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:20 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D

Injection Date: 14-Dec-2023 05:01:00 Instrument ID: 9147

Lims ID: ic 2

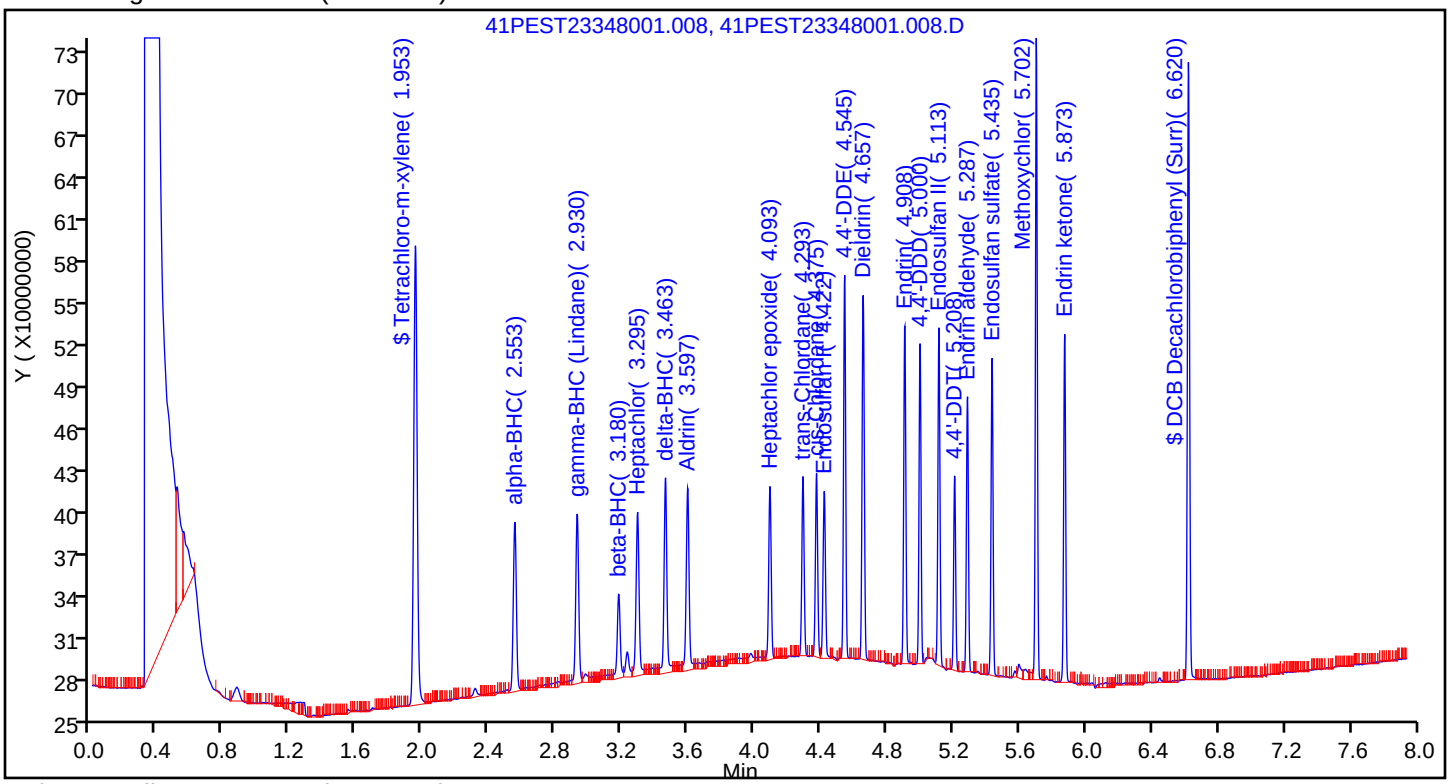
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

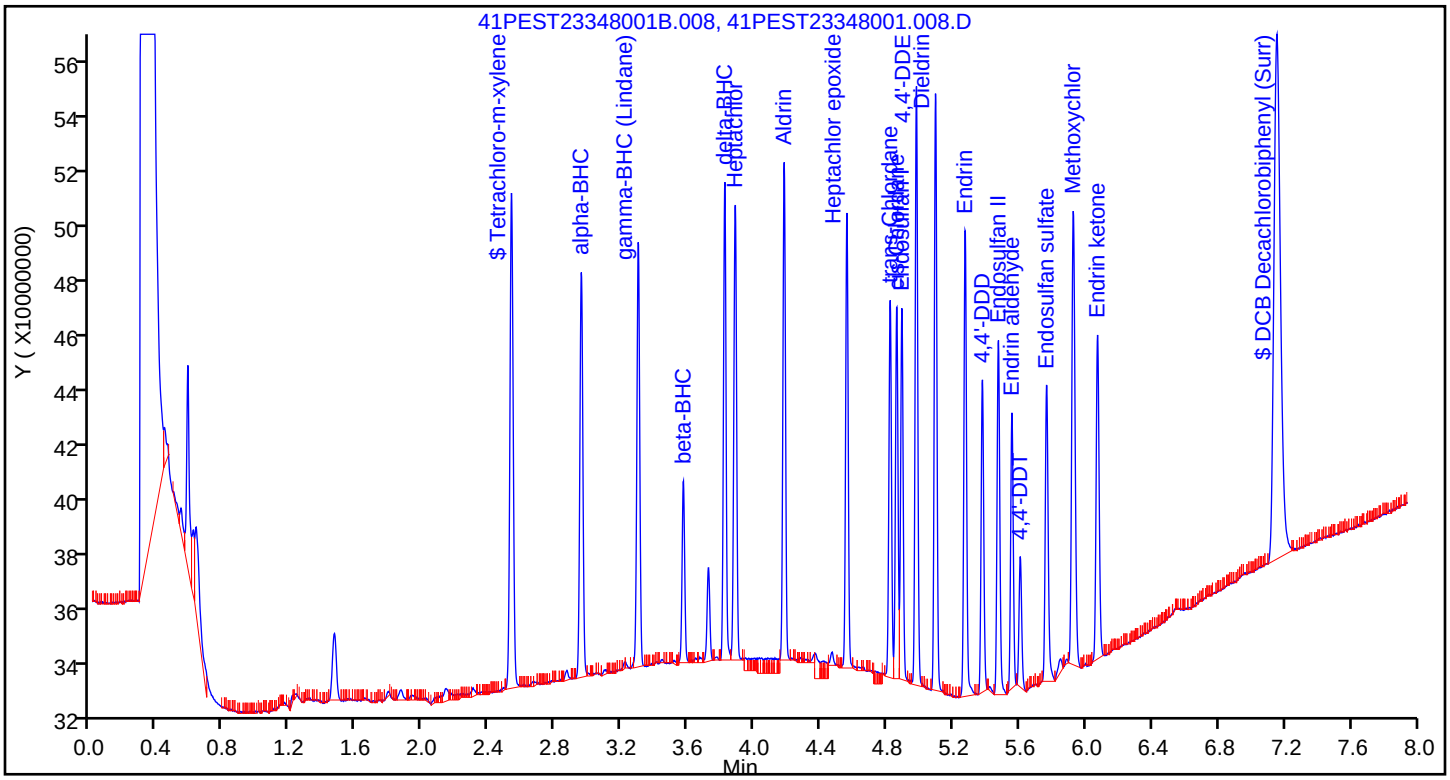
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.009.D
Lims ID: ic 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Dec-2023 05:16:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:24 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.955	1.955	0.000	1641853275H	20.1	19.8	
2	2.532	2.535	-0.003	749853650H	20.1	18.9	
						RPD = 4.71	
2 alpha-BHC							
1	2.555	2.555	0.000	617486461H	5.00	4.74	
2	2.953	2.958	-0.005	656655277H	5.00	4.58	
						RPD = 3.48	
4 gamma-BHC (Lindane)							
1	2.932	2.932	0.000	593362777H	5.06	4.82	
2	3.298	3.302	-0.004	690220573H	5.06	4.63	
						RPD = 3.87	
5 beta-BHC							
1	3.182	3.182	0.000	261711329H	5.06	4.78	
2	3.570	3.572	-0.002	288470161H	5.06	4.98	
						RPD = 3.99	
7 delta-BHC							
1	3.465	3.463	0.002	685236267H	5.00	4.67	
2	3.820	3.822	-0.002	853851631H	5.00	4.70	
						RPD = 0.53	
8 Heptachlor							
1	3.297	3.295	0.002	544594120H	5.00	4.73	
2	3.883	3.885	-0.002	770463564H	5.00	4.74	
						RPD = 0.07	
9 Aldrin							
1	3.598	3.598	0.000	620127374H	5.00	4.77	
2	4.178	4.182	-0.004	800159386H	5.00	4.63	
						RPD = 2.91	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.095	4.095	0.000	590655050H	5.06	4.79	
2	4.557	4.560	-0.003	707387709H	5.06	4.66	
						RPD = 2.68	
13 trans-Chlordane							
1	4.295	4.293	0.002	633076934H	5.00	4.79	
2	4.818	4.820	-0.002	569136759H	5.00	4.62	
						RPD = 3.70	
14 cis-Chlordane							
1	4.377	4.375	0.002	613868309H	5.06	4.74	
2	4.858	4.860	-0.002	562574954H	5.06	4.72	
						RPD = 0.41	
15 Endosulfan I							
1	4.423	4.422	0.001	563607087H	5.06	4.66	
2	4.888	4.892	-0.004	535296529H	5.06	4.64	
						RPD = 0.38	
16 4,4'-DDE							
1	4.545	4.545	0.000	1396553280H	10.1	9.63	
2	4.977	4.980	-0.003	898160535H	10.1	9.05	
						RPD = 6.21	
18 Dieldrin							
1	4.658	4.657	0.001	1381083426H	10.0	9.66	
2	5.093	5.095	-0.002	861594053H	10.0	8.93	
						RPD = 7.76	
19 Endrin							
1	4.908	4.908	0.000	1212945276H	10.0	9.60	
2	5.270	5.273	-0.003	652977160H	10.0	9.17	
						RPD = 4.57	
22 4,4'-DDD							
1	5.002	5.000	0.002	1187682994H	10.0	9.68	
2	5.375	5.377	-0.002	442108048H	10.0	9.29	
						RPD = 4.18	
23 Endosulfan II							
1	5.115	5.115	0.000	1195838242H	10.0	9.49	
2	5.472	5.473	-0.001	517662677H	10.0	9.30	
						RPD = 2.01	
25 Endrin aldehyde							
1	5.287	5.287	0.000	957606726H	10.0	9.40	
2	5.553	5.555	-0.002	399516375H	10.0	9.21	
						RPD = 2.00	
26 4,4'-DDT							
1	5.210	5.210	0.000	737964905H	10.0	9.01	
2	5.603	5.605	-0.002	225420833H	10.0	9.24	
						RPD = 2.49	
27 Endosulfan sulfate							
1	5.435	5.435	0.000	1037335411H	10.0	9.05	
2	5.762	5.765	-0.003	467233453H	10.0	9.37	
						RPD = 3.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.703	5.703	0.000	2320104585H	50.4	48.3	
2	5.923	5.925	-0.002	818344122H	50.4	47.4	
						RPD = 1.89	
29 Endrin ketone							
1	5.875	5.873	0.002	1207796535H	10.1	9.39	
2	6.070	6.072	-0.002	566155714H	10.1	9.52	
						RPD = 1.44	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.622	6.622	0.000	2161596451H	20.2	19.5	
2	7.152	7.153	-0.001	860941009H	20.2	19.1	
						RPD = 2.11	
S 32 Total DDTs							
1						9.01	
2						9.24	
						RPD = 2.49	
S 33 Endosulfan, Total							
1						14.1	
2						13.9	
						RPD = 1.47	

Reagents:

GCS_MIXA3_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:25 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.009.D

Injection Date: 14-Dec-2023 05:16:00 Instrument ID: 9147

Lims ID: ic 3

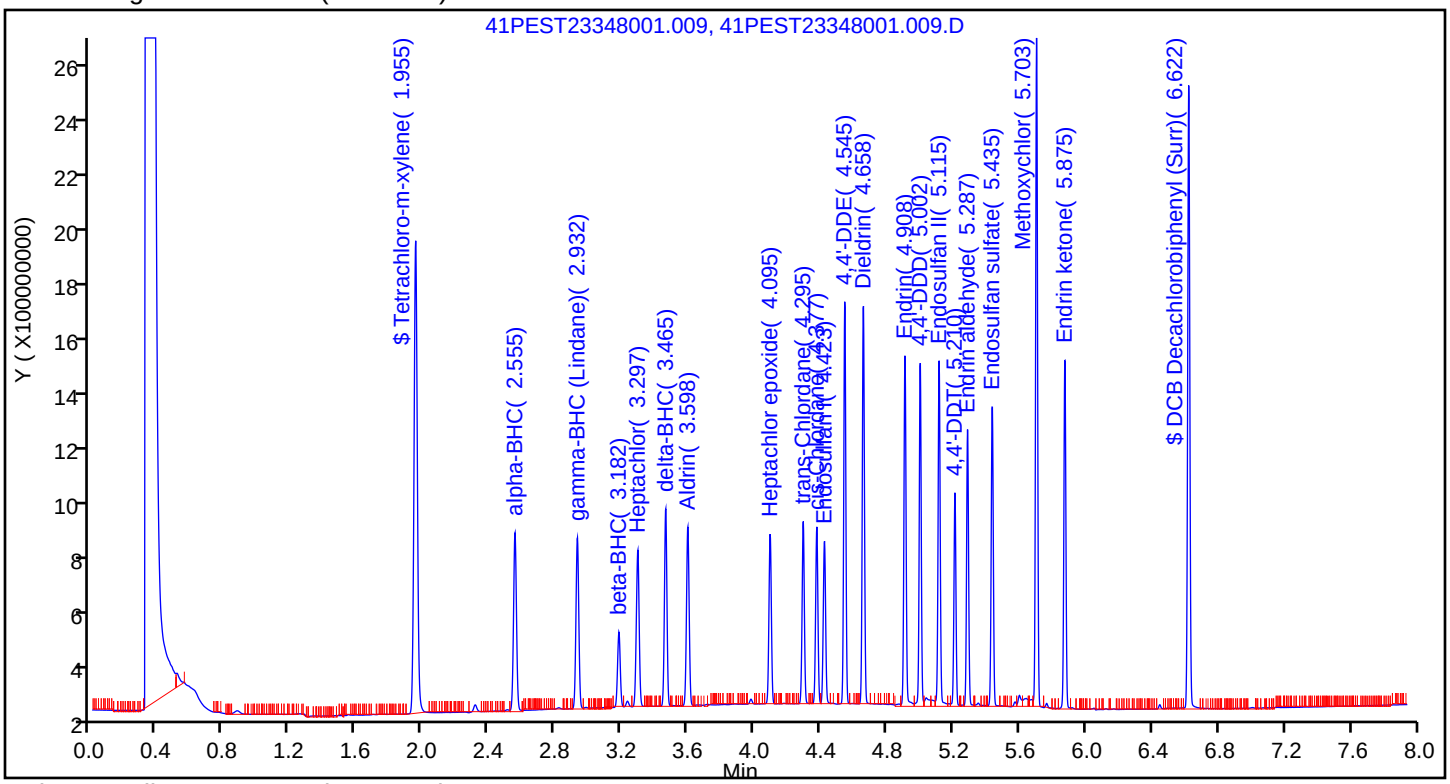
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

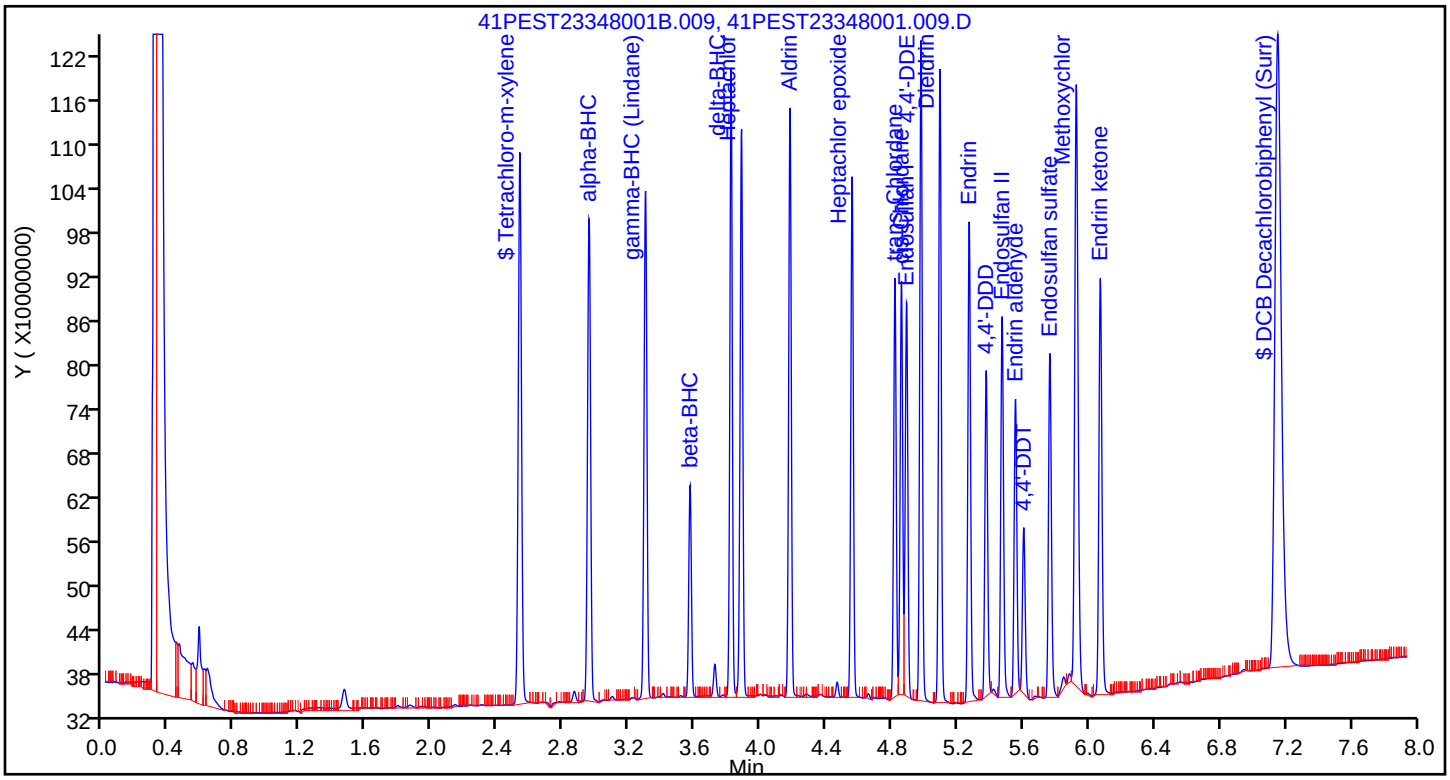
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.010.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 14-Dec-2023 05:30:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:30 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 08:59:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.955	1.955	0.000	3444423544H	40.2	41.6	
2	2.535	2.535	0.000	1534603041H	40.2	38.7	
						RPD = 7.19	
2 alpha-BHC							
1	2.555	2.555	0.000	1352542389H	10.0	10.4	
2	2.958	2.958	0.000	1442528630H	10.0	10.1	
						RPD = 3.19	
4 gamma-BHC (Lindane)							
1	2.932	2.932	0.000	1294365073H	10.1	10.5	
2	3.302	3.302	0.000	1509614664H	10.1	10.1	
						RPD = 3.60	
5 beta-BHC							
1	3.182	3.182	0.000	549825688H	10.1	10.0	
2	3.572	3.572	0.000	569662521H	10.1	9.83	
						RPD = 2.20	
7 delta-BHC							
1	3.463	3.463	0.000	1568915025H	10.0	10.7	
2	3.822	3.822	0.000	1883862830H	10.0	10.4	
						RPD = 3.17	
8 Heptachlor							
1	3.295	3.295	0.000	1191843677H	10.0	10.4	
2	3.885	3.885	0.000	1602761247H	10.0	9.85	
						RPD = 5.00	
9 Aldrin							
1	3.598	3.598	0.000	1344079548H	10.0	10.3	
2	4.182	4.182	0.000	1718489356H	10.0	9.95	
						RPD = 3.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.095	4.095	0.000	1255885198H	10.1	10.2	
2	4.560	4.560	0.000	1503863384H	10.1	9.91	
						RPD = 2.70	
13 trans-Chlordane							
1	4.293	4.293	0.000	1345118287H	10.0	10.2	
2	4.820	4.820	0.000	1155751222H	10.0	9.37	
						RPD = 8.22	
14 cis-Chlordane							
1	4.375	4.375	0.000	1314253493H	10.1	10.1	
2	4.860	4.860	0.000	1164090070H	10.1	9.76	
						RPD = 3.82	
15 Endosulfan I							
1	4.422	4.422	0.000	1299756146H	10.1	10.7	
2	4.892	4.892	0.000	1122589218H	10.1	9.73	
						RPD = 9.87	
16 4,4'-DDE							
1	4.545	4.545	0.000	3142718834H	20.1	21.7	
2	4.980	4.980	0.000	1950142017H	20.1	19.6	
						RPD = 9.78	
18 Dieldrin							
1	4.657	4.657	0.000	3037215402H	20.0	21.2	
2	5.095	5.095	0.000	1837841383H	20.0	19.1	
						RPD = 10.80	
19 Endrin							
1	4.908	4.908	0.000	2647941811H	20.0	20.9	
2	5.273	5.273	0.000	1313739260H	20.0	18.4	
						RPD = 12.72	
22 4,4'-DDD							
1	5.000	5.000	0.000	2632648509H	20.0	21.5	
2	5.377	5.377	0.000	888246492H	20.0	18.7	
						RPD = 13.99	
23 Endosulfan II							
1	5.115	5.115	0.000	2619135138H	20.0	20.8	
2	5.473	5.473	0.000	1035813079H	20.0	18.6	
						RPD = 11.04	
25 Endrin aldehyde							
1	5.287	5.287	0.000	2159649566H	20.0	21.2	
2	5.555	5.555	0.000	845242119H	20.0	19.5	
						RPD = 8.39	
26 4,4'-DDT							
1	5.210	5.210	0.000	1753226897H	20.0	21.4	
2	5.605	5.605	0.000	509575377H	20.0	20.9	
						RPD = 2.48	
27 Endosulfan sulfate							
1	5.435	5.435	0.000	2456175813H	20.0	21.4	
2	5.765	5.765	0.000	994795646H	20.0	20.0	
						RPD = 7.18	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.703	5.703	0.000	5247316281H	100.8	109.3	
2	5.925	5.925	0.000	1838765573H	100.8	106.5	
						RPD = 2.54	
29 Endrin ketone							
1	5.873	5.873	0.000	2700932468H	20.1	21.0	
2	6.072	6.072	0.000	1252547297H	20.1	21.1	
						RPD = 0.37	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.622	6.622	0.000	4701152123H	40.3	42.4	
2	7.153	7.153	0.000	1803466368H	40.3	40.0	
						RPD = 5.86	

Reagents:

GCS_MIXA4_00015 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:30 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.010.D

Injection Date: 14-Dec-2023 05:30:00 Instrument ID: 9147

Lims ID: icrt

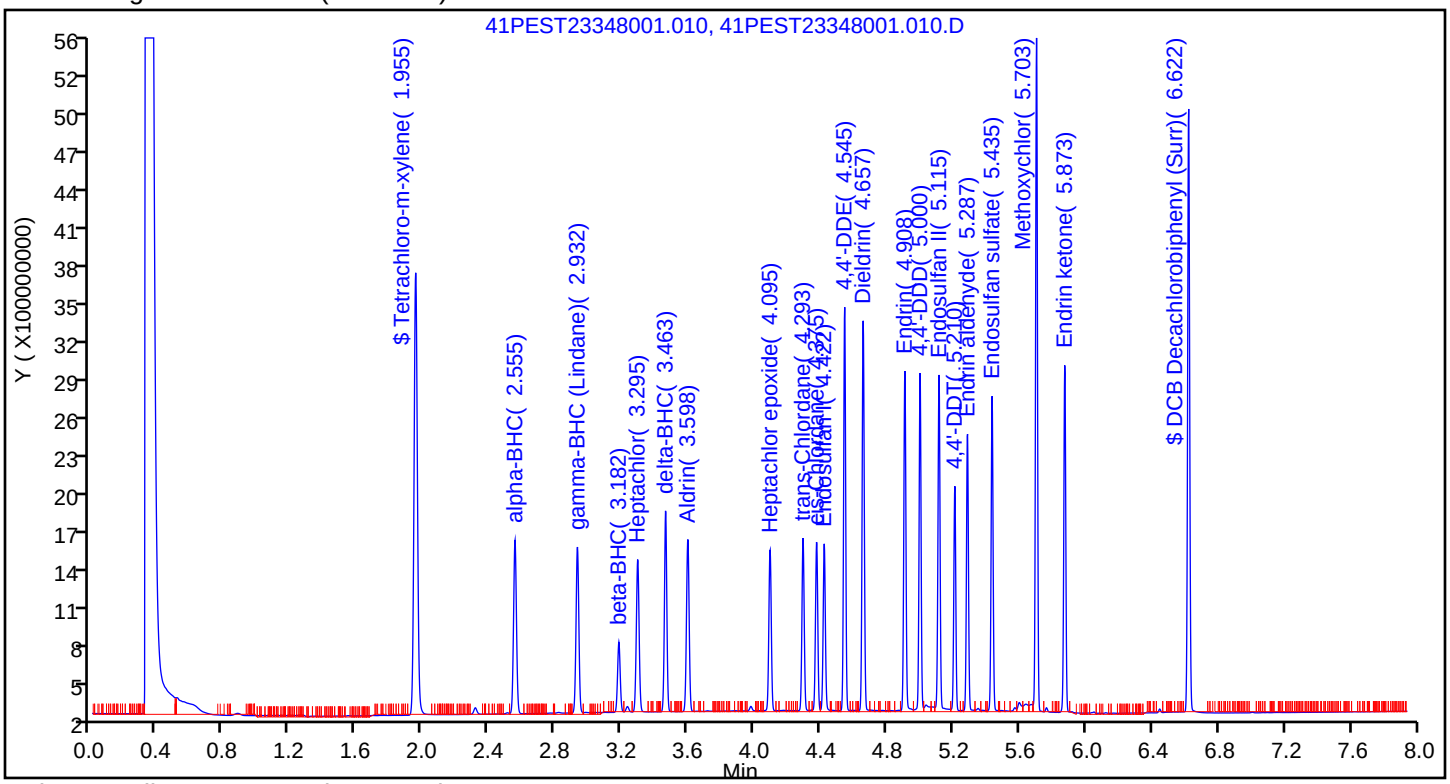
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

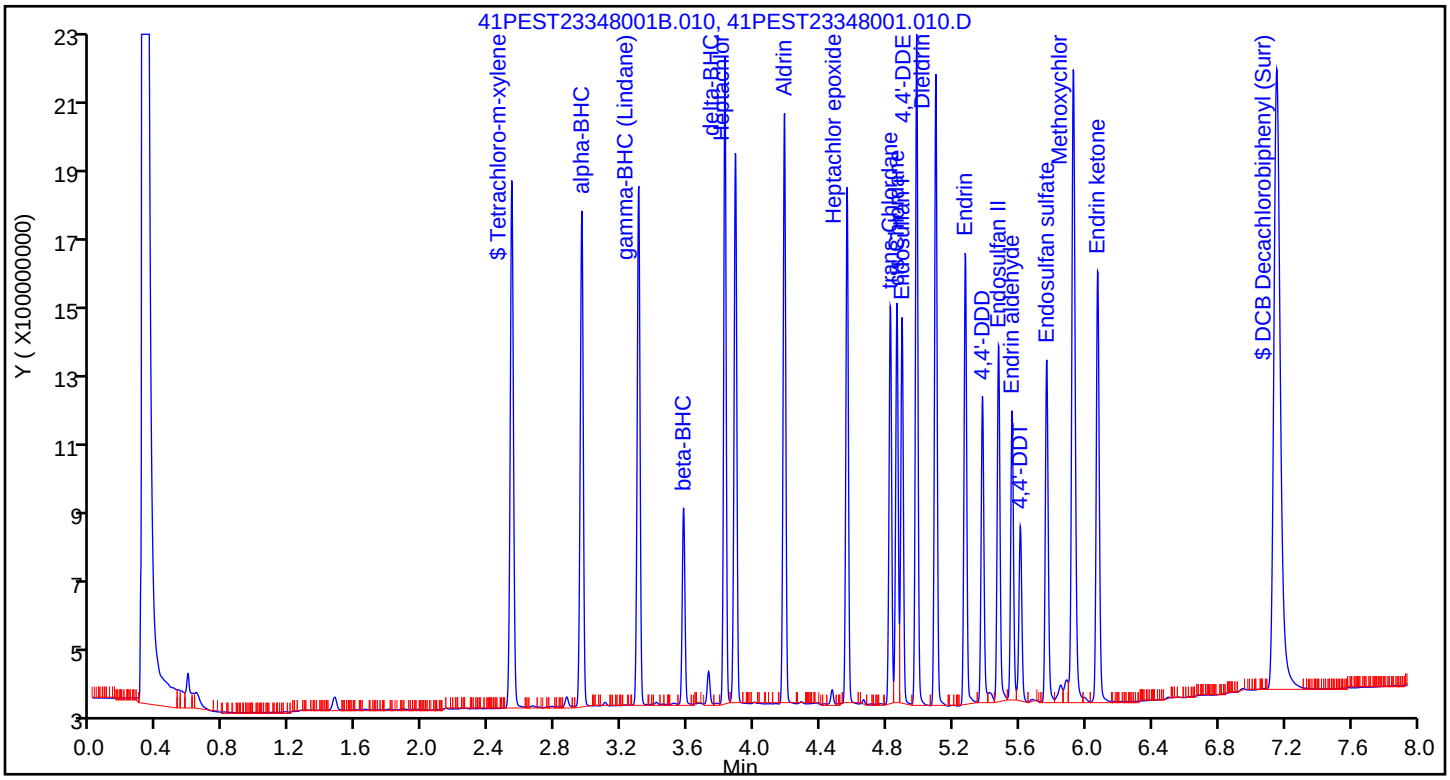
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.011.D
Lims ID: ic 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Dec-2023 05:45:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:35 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.953	1.955	-0.002	5095846751H	61.2	61.5	
2	2.535	2.535	0.000	2248258664H	61.2	56.7	
						RPD = 8.17	
2 alpha-BHC							
1	2.553	2.555	-0.002	2058745321H	15.2	15.8	
2	2.957	2.958	-0.001	2224320418H	15.2	15.5	
						RPD = 1.89	
4 gamma-BHC (Lindane)							
1	2.930	2.932	-0.002	1970788099H	15.4	16.0	
2	3.300	3.302	-0.002	2356374349H	15.4	15.8	
						RPD = 1.12	
5 beta-BHC							
1	3.180	3.182	-0.002	807898754H	15.4	14.8	
2	3.572	3.572	0.000	833189070H	15.4	14.4	
						RPD = 2.66	
7 delta-BHC							
1	3.463	3.463	0.000	2328128579H	15.2	15.9	
2	3.822	3.822	0.000	2898587033H	15.2	15.9	
						RPD = 0.45	
8 Heptachlor							
1	3.293	3.295	-0.002	1776885760H	15.2	15.4	
2	3.885	3.885	0.000	2490973564H	15.2	15.3	
						RPD = 0.85	
9 Aldrin							
1	3.597	3.598	-0.001	2057801012H	15.2	15.8	
2	4.180	4.182	-0.002	2645856861H	15.2	15.3	
						RPD = 3.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.093	4.095	-0.002	1973152104H	15.4	16.0	
2	4.558	4.560	-0.002	2272842501H	15.4	15.0	
						RPD = 6.57	
13 trans-Chlordane							
1	4.293	4.293	0.000	2083843627H	15.2	15.8	
2	4.820	4.820	0.000	1787398110H	15.2	14.5	
						RPD = 8.39	
14 cis-Chlordane							
1	4.375	4.375	0.000	2093040446H	15.4	16.2	
2	4.860	4.860	0.000	1774160485H	15.4	14.9	
						RPD = 8.21	
15 Endosulfan I							
1	4.422	4.422	0.000	1938425735H	15.4	16.0	
2	4.890	4.892	-0.002	1710659204H	15.4	14.8	
						RPD = 7.72	
16 4,4'-DDE							
1	4.543	4.545	-0.002	4729758407H	30.6	32.6	
2	4.978	4.980	-0.002	3008257813H	30.6	30.3	
						RPD = 7.32	
18 Dieldrin							
1	4.657	4.657	0.000	4677740287H	30.4	32.7	
2	5.095	5.095	0.000	2782784618H	30.4	28.9	
						RPD = 12.50	
19 Endrin							
1	4.907	4.908	-0.001	4085066567H	30.4	32.3	
2	5.273	5.273	0.000	1961489292H	30.4	27.5	
						RPD = 15.98	
22 4,4'-DDD							
1	5.000	5.000	0.000	4032502145H	30.4	32.9	
2	5.377	5.377	0.000	1296844785H	30.4	27.2	
						RPD = 18.75	
23 Endosulfan II							
1	5.113	5.115	-0.002	4051627525H	30.4	32.2	
2	5.473	5.473	0.000	1541677356H	30.4	27.7	
						RPD = 14.88	
25 Endrin aldehyde							
1	5.285	5.287	-0.002	3291563454H	30.4	32.3	
2	5.555	5.555	0.000	1205491034H	30.4	27.8	
						RPD = 15.00	
26 4,4'-DDT							
1	5.208	5.210	-0.002	2817879961H	30.4	34.4	
2	5.605	5.605	0.000	776021504H	30.4	31.8	
						RPD = 7.87	
27 Endosulfan sulfate							
1	5.433	5.435	-0.002	3615417613H	30.4	31.6	
2	5.763	5.765	-0.002	1442945828H	30.4	28.9	
						RPD = 8.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.702	5.703	-0.001	7639729586H	153.1	159.1	
2	5.925	5.925	0.000	2830055142H	153.1	164.0	
						RPD = 3.01	
29 Endrin ketone							
1	5.873	5.873	0.000	4136592515H	30.6	32.2	
2	6.072	6.072	0.000	1886328668H	30.6	31.7	
						RPD = 1.31	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.620	6.622	-0.002	7018848080H	61.3	63.2	
2	7.152	7.153	-0.001	2698578322H	61.3	59.8	
						RPD = 5.64	
S 32 Total DDTs							
1						34.4	
2						31.8	
						RPD = 7.87	
S 33 Endosulfan, Total							
1						48.2	
2						42.5	
						RPD = 12.45	

Reagents:

GCS_MIXA5_00014 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:36 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.011.D

Injection Date: 14-Dec-2023 05:45:00 Instrument ID: 9147

Lims ID: ic 5

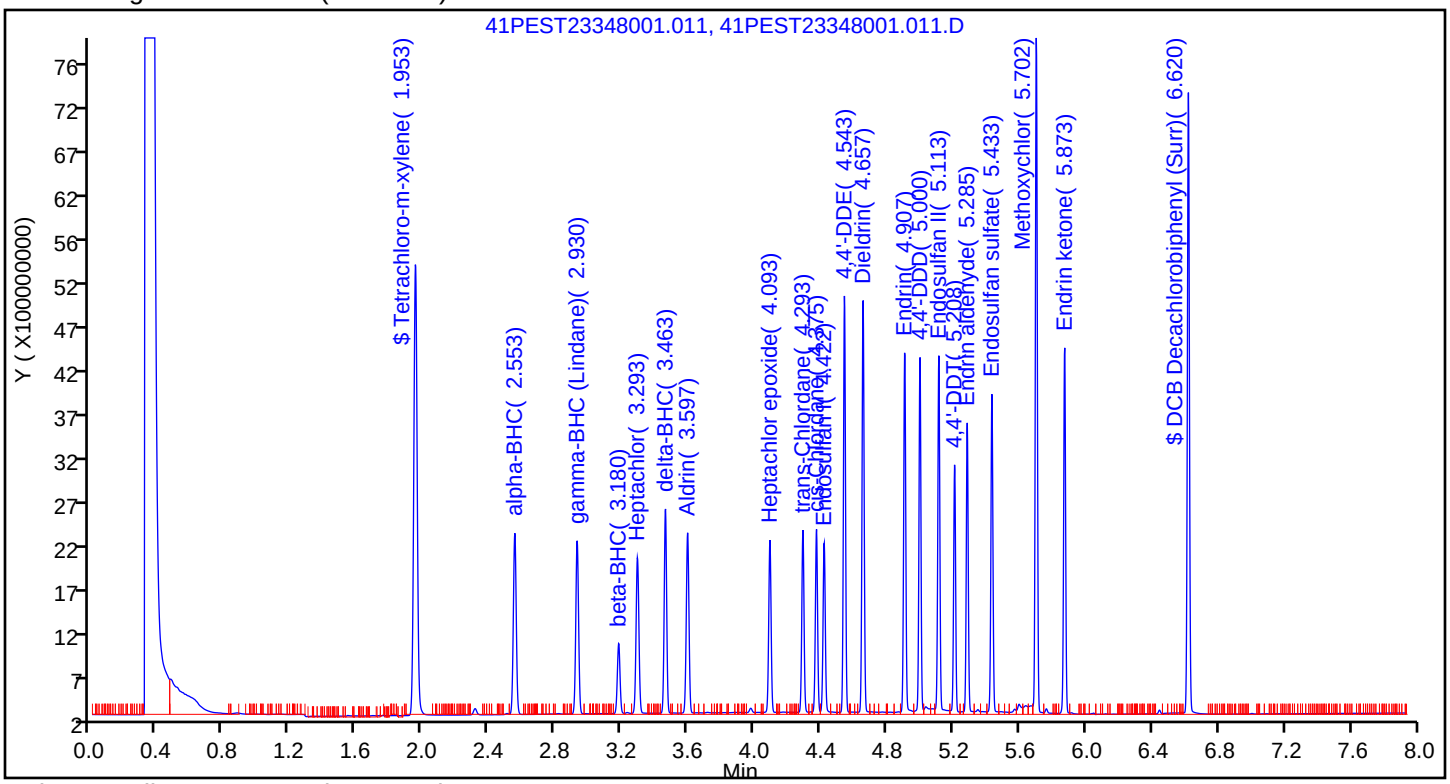
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 11

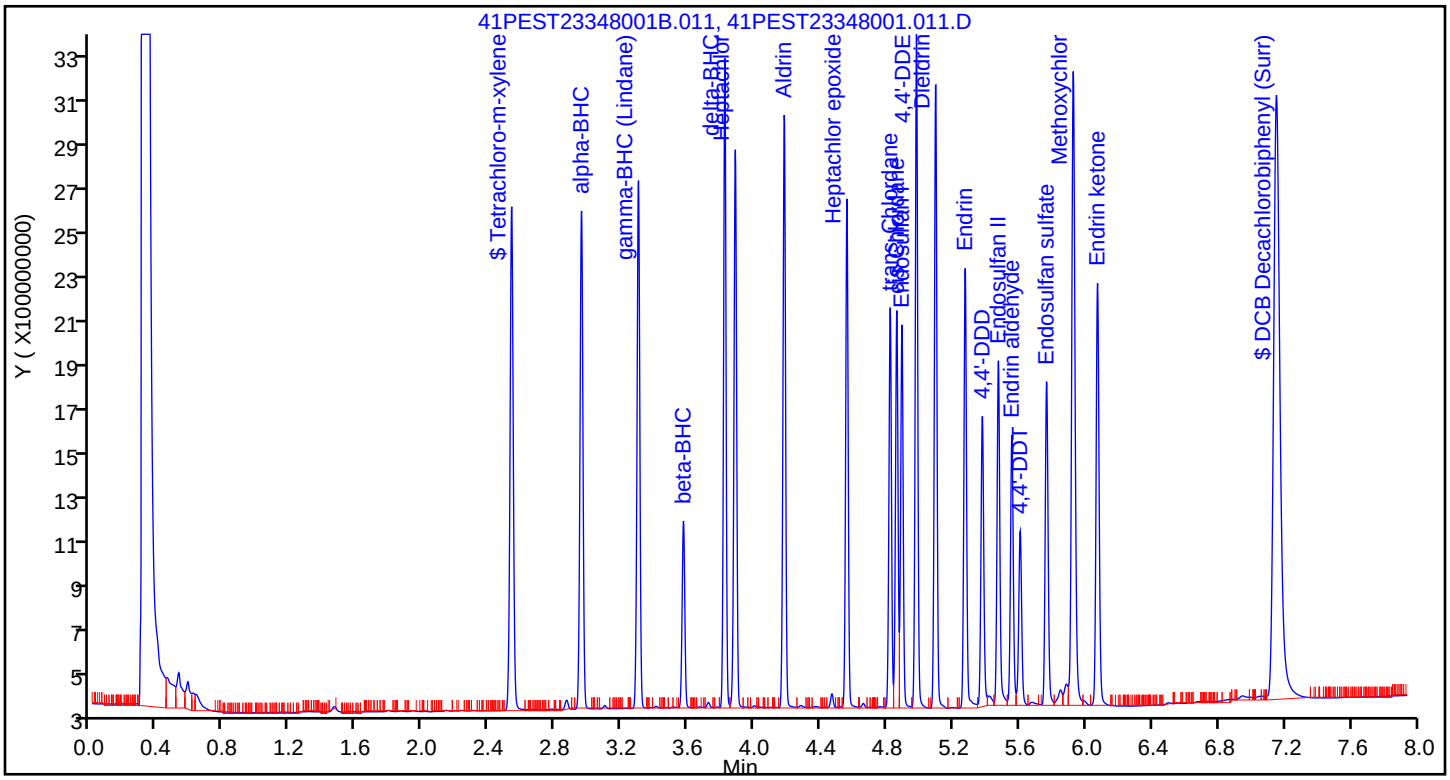
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.012.D
Lims ID: ic 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Dec-2023 06:00:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:43 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.955	1.955	0.000	6557285841H	80.5	79.1	
2	2.537	2.535	0.002	2830290428H	80.5	71.4	
						RPD = 10.35	
2 alpha-BHC							
1	2.555	2.555	0.000	2761332746H	20.0	21.2	
2	2.958	2.958	0.000	2982866739H	20.0	20.8	
						RPD = 1.91	
4 gamma-BHC (Lindane)							
1	2.930	2.932	-0.002	2550479450H	20.3	20.7	
2	3.302	3.302	0.000	3116885450H	20.3	20.9	
						RPD = 1.07	
5 beta-BHC							
1	3.182	3.182	0.000	1019283255H	20.3	18.6	
2	3.573	3.572	0.001	1049856760H	20.3	18.1	
						RPD = 2.79	
7 delta-BHC							
1	3.463	3.463	0.000	3030431057H	20.0	20.7	
2	3.823	3.822	0.001	3848767727H	20.0	21.2	
						RPD = 2.44	
8 Heptachlor							
1	3.295	3.295	0.000	2245439099H	20.0	19.5	
2	3.887	3.885	0.002	3260823112H	20.0	20.0	
						RPD = 2.68	
9 Aldrin							
1	3.597	3.598	-0.001	2572182140H	20.0	19.8	
2	4.183	4.182	0.001	3429953850H	20.0	19.9	
						RPD = 0.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.093	4.095	-0.002	2513011874H	20.3	20.4	
2	4.562	4.560	0.002	2973859124H	20.3	19.6	
						RPD = 3.88	
13 trans-Chlordane							
1	4.293	4.293	0.000	2661749815H	20.0	20.1	
2	4.822	4.820	0.002	2315781810H	20.0	18.8	
						RPD = 6.98	
14 cis-Chlordane							
1	4.375	4.375	0.000	2635601958H	20.3	20.3	
2	4.862	4.860	0.002	2241668435H	20.3	18.8	
						RPD = 7.87	
15 Endosulfan I							
1	4.422	4.422	0.000	2433019361H	20.3	20.1	
2	4.893	4.892	0.001	2112215127H	20.3	18.3	
						RPD = 9.36	
16 4,4'-DDE							
1	4.545	4.545	0.000	6011604307H	40.3	41.4	
2	4.982	4.980	0.002	3785690309H	40.3	38.1	
						RPD = 8.31	
18 Dieldrin							
1	4.657	4.657	0.000	6081571791H	40.0	42.5	
2	5.097	5.095	0.002	3599547304H	40.0	37.3	
						RPD = 13.01	
19 Endrin							
1	4.907	4.908	-0.001	5089494318H	40.0	40.3	
2	5.275	5.273	0.002	2481763928H	40.0	34.8	
						RPD = 14.44	
22 4,4'-DDD							
1	5.000	5.000	0.000	5055261023H	40.0	41.2	
2	5.378	5.377	0.001	1687275315H	40.0	35.4	
						RPD = 15.07	
23 Endosulfan II							
1	5.113	5.115	-0.002	5104371823H	40.0	40.5	
2	5.475	5.473	0.002	1983094217H	40.0	35.6	
						RPD = 12.81	
25 Endrin aldehyde							
1	5.287	5.287	0.000	3949138605H	40.0	38.7	
2	5.557	5.555	0.002	1530891155H	40.0	35.3	
						RPD = 9.34	
26 4,4'-DDT							
1	5.210	5.210	0.000	3904641926H	40.0	47.7	
2	5.607	5.605	0.002	1051132790H	40.0	43.1	
						RPD = 10.14	
27 Endosulfan sulfate							
1	5.435	5.435	0.000	4600323895H	40.0	40.2	
2	5.767	5.765	0.002	1910402671H	40.0	38.3	
						RPD = 4.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.703	5.703	0.000	10160736423H	201.5	211.6	
2	5.927	5.925	0.002	3743559803H	201.5	216.9	
						RPD = 2.47	
29 Endrin ketone							
1	5.873	5.873	0.000	5332983030H	40.3	41.4	
2	6.073	6.072	0.001	2465830966H	40.3	41.5	
						RPD = 0.07	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.620	6.622	-0.002	8492580459H	80.7	76.5	
2	7.153	7.153	0.000	3523294753H	80.7	78.1	
						RPD = 1.97	
S 32 Total DDTs							
1						47.7	
2						43.1	
						RPD = 10.14	
S 33 Endosulfan, Total							
1						60.6	
2						53.9	
						RPD = 11.65	

Reagents:

GCS_MIXA6_00010 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:43 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.012.D

Injection Date: 14-Dec-2023 06:00:00 Instrument ID: 9147

Lims ID: ic 6

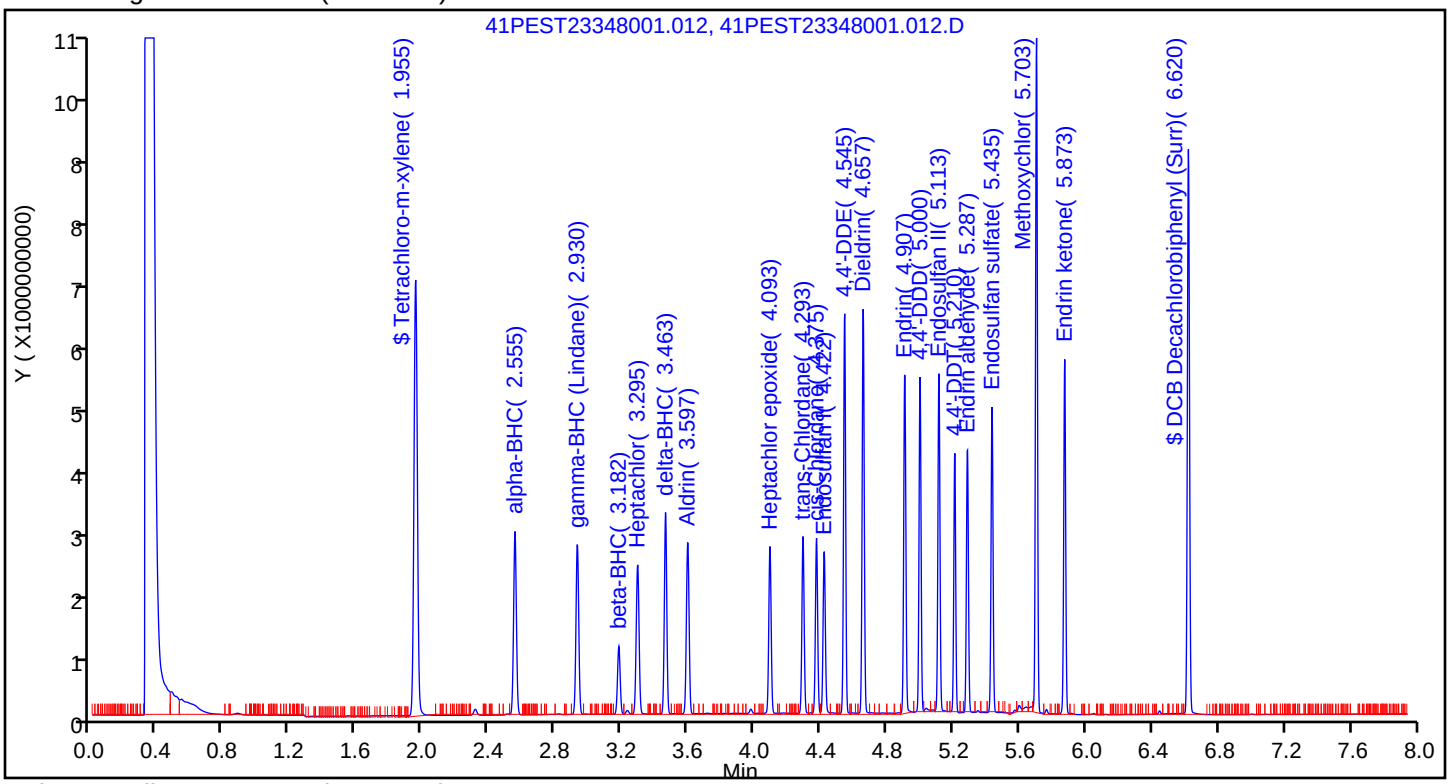
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

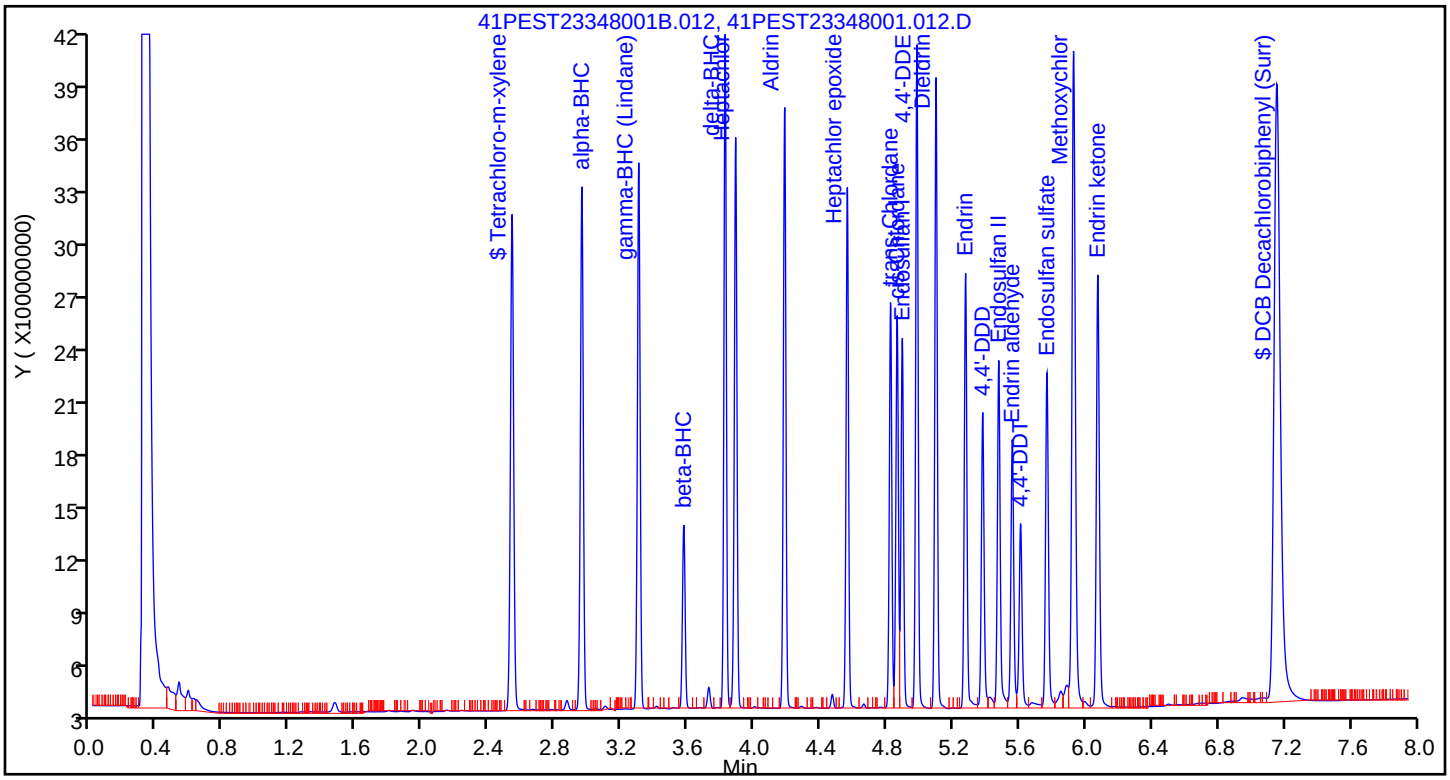
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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

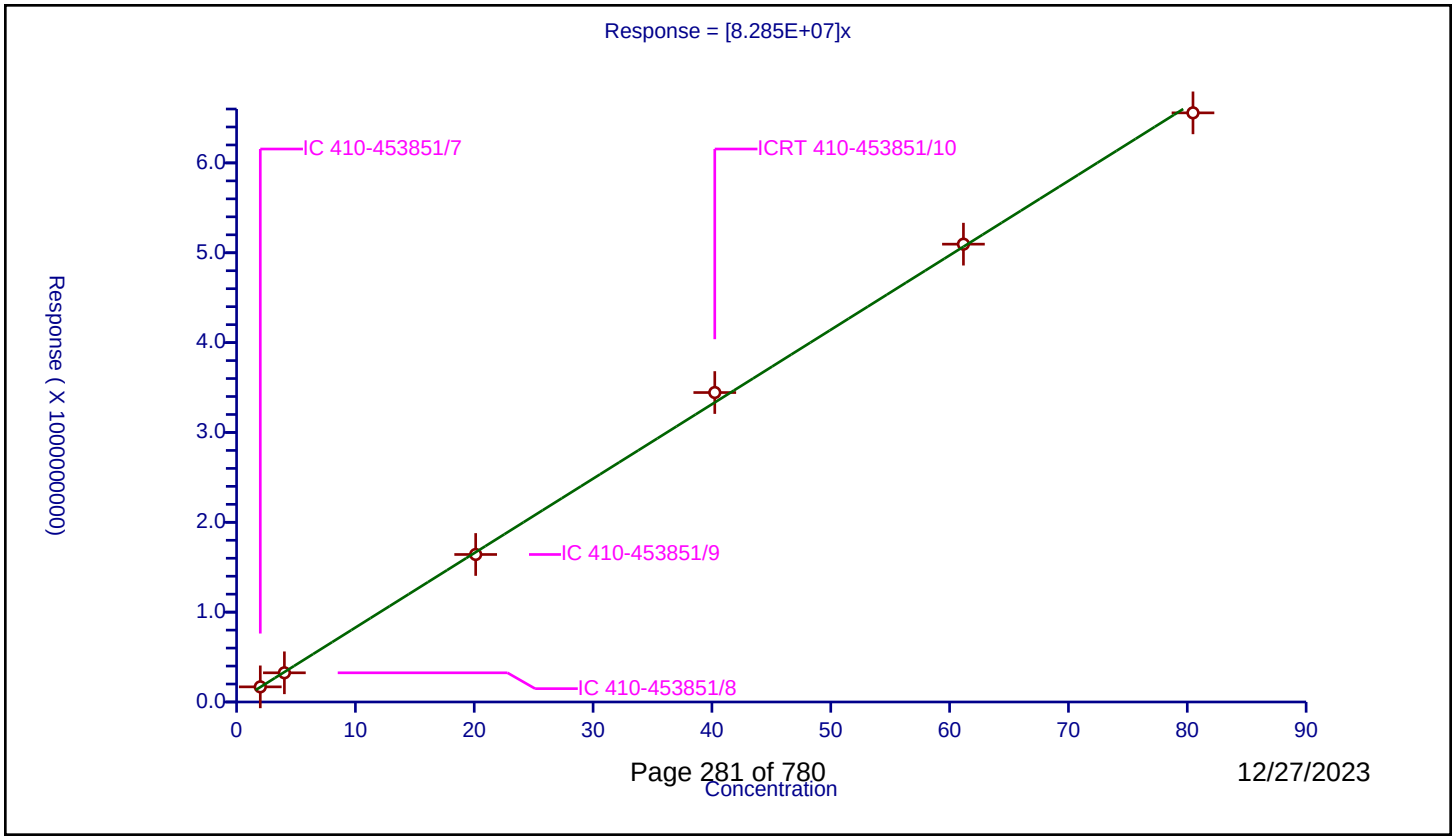
Curve Coefficients

Intercept:	0
Slope:	8.285E+07

Error Coefficients

Standard Error:	72100000
Relative Standard Error:	2.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	1.995904	168395595.0			84370588.465177	Y
2	IC 410-453851/8	4.024	324976908.0			80759668.986084	Y
3	IC 410-453851/9	20.12	1641853275.0			81603045.477137	Y
4	ICRT 410-453851/10	40.24	3444423544.0			85597006.560636	Y
5	IC 410-453851/11	61.1648	5095846751.0			83313388.599325	Y
6	IC 410-453851/12	80.48	6557285841.0			81477209.753976	Y



Calibration / alpha-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

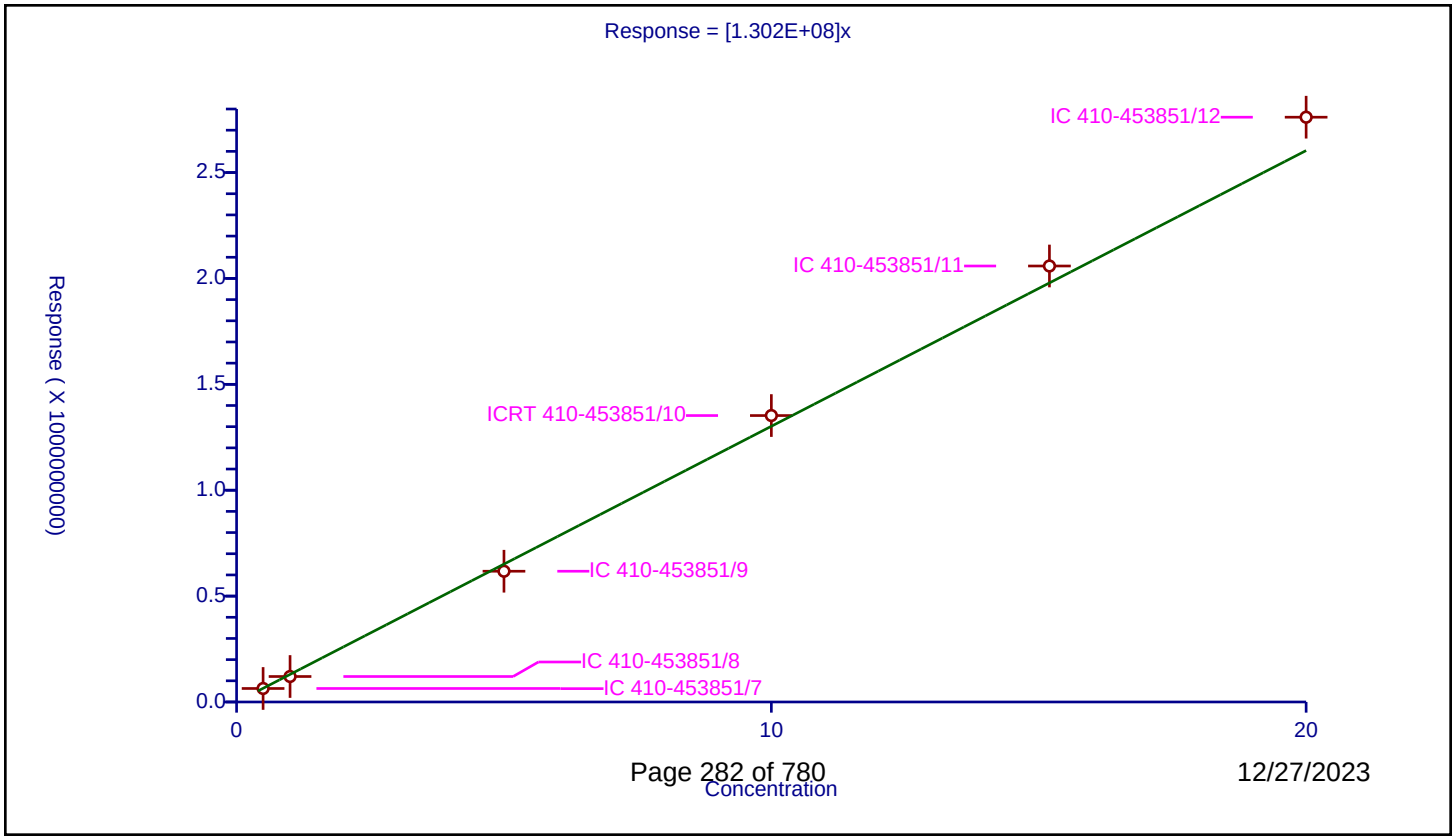
Curve Coefficients

Intercept:	0
Slope:	1.302E+08

Error Coefficients

Standard Error:	83600000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	63777088.0			128582838.709677	Y
2	IC 410-453851/8	1.0	120290314.0			120290314.0	Y
3	IC 410-453851/9	5.0	617486461.0			123497292.2	Y
4	ICRT 410-453851/10	10.0	1352542389.0			135254238.9	Y
5	IC 410-453851/11	15.2	2058745321.0			135443771.118421	Y
6	IC 410-453851/12	20.0	2761332746.0			138066637.3	Y



Calibration / gamma-BHC (Lindane)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

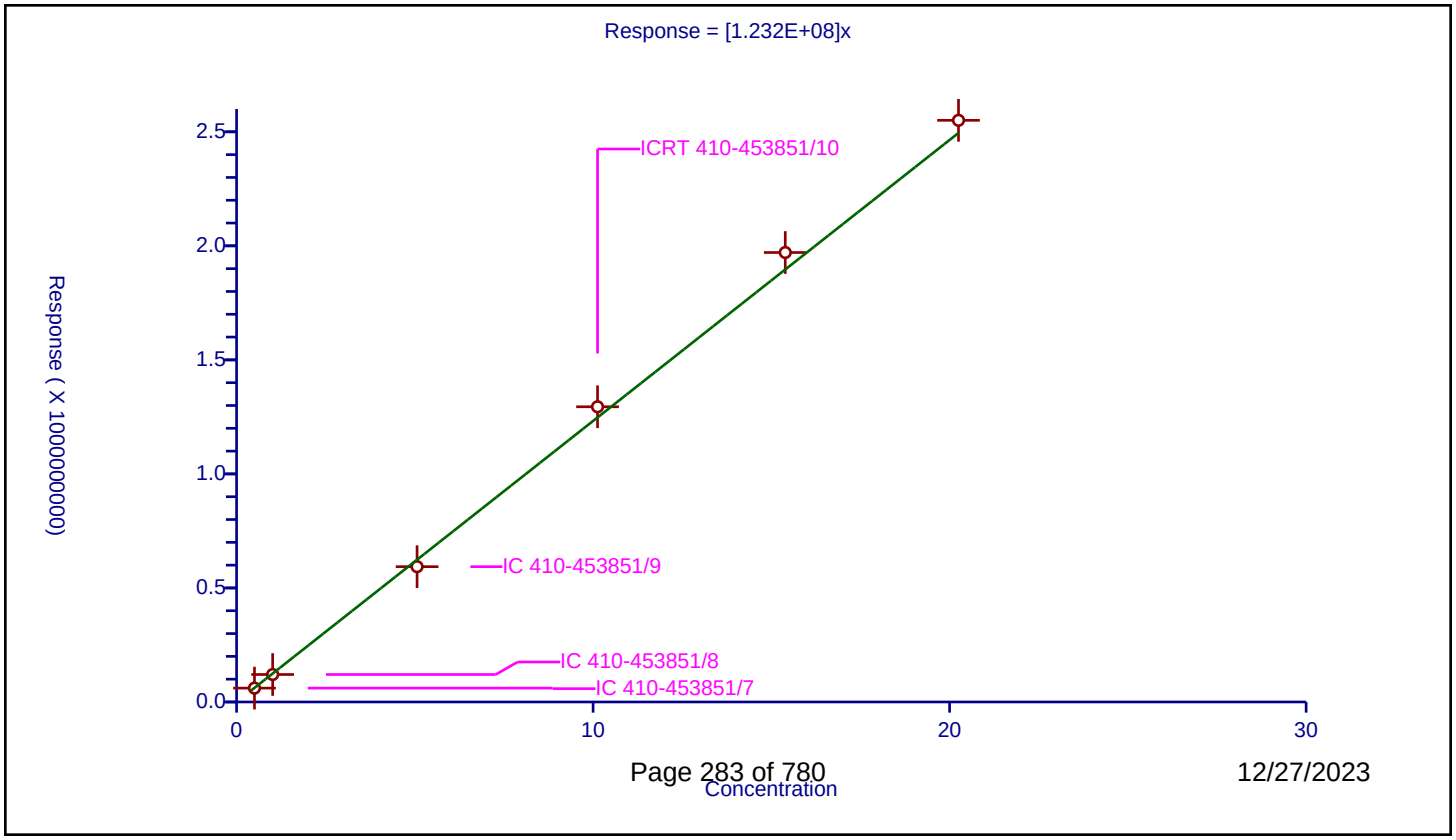
Curve Coefficients

Intercept:	0
Slope:	1.232E+08

Error Coefficients

Standard Error:	48500000
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 410-453851/7	0.5022	60913095.0			121292502.986858	Y
2	IC 410-453851/8	1.0125	120443911.0			118956949.135802	Y
3	IC 410-453851/9	5.0625	593362777.0			117207462.123457	Y
4	ICRT 410-453851/10	10.125	1294365073.0			127838525.728395	Y
5	IC 410-453851/11	15.39	1970788099.0			128056406.692658	Y
6	IC 410-453851/12	20.25	2550479450.0			125949602.469136	Y



Calibration / beta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

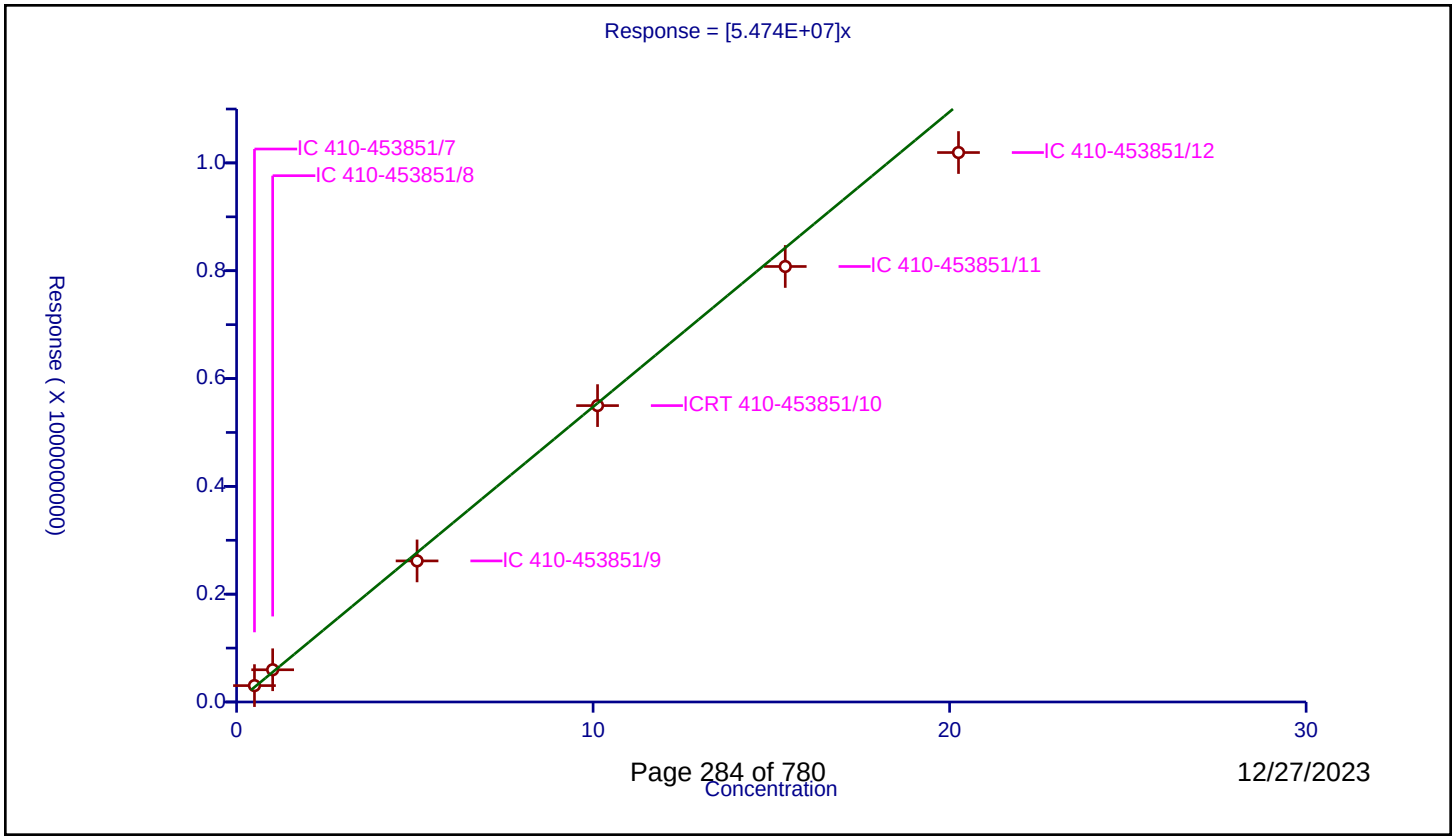
Curve Coefficients

Intercept:	0
Slope:	5.474E+07

Error Coefficients

Standard Error:	43500000
Relative Standard Error:	7.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.5022	30417995.0			60569484.269216	Y
2	IC 410-453851/8	1.0125	59793499.0			59055307.654321	Y
3	IC 410-453851/9	5.0625	261711329.0			51696064.987654	Y
4	ICRT 410-453851/10	10.125	549825688.0			54303771.654321	Y
5	IC 410-453851/11	15.39	807898754.0			52495045.74399	Y
6	IC 410-453851/12	20.25	1019283255.0			50334975.555556	Y



Calibration / Heptachlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

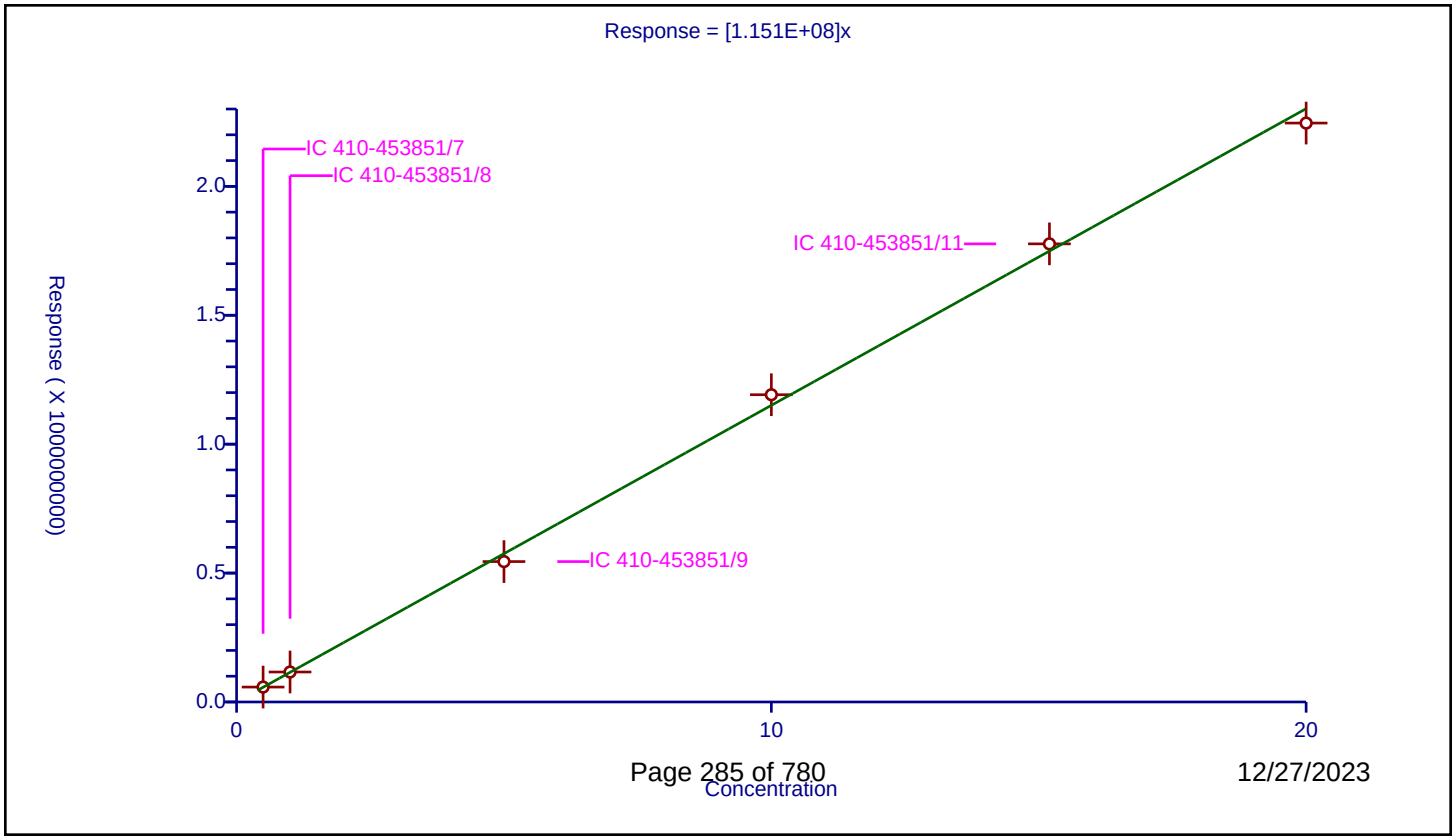
Curve Coefficients

Intercept:	0
Slope:	1.151E+08

Error Coefficients

Standard Error:	36200000
Relative Standard Error:	3.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	57919015.0			116772207.66129	Y
2	IC 410-453851/8	1.0	116342813.0			116342813.0	Y
3	IC 410-453851/9	5.0	544594120.0			108918824.0	Y
4	ICRT 410-453851/10	10.0	1191843677.0			119184367.7	Y
5	IC 410-453851/11	15.2	1776885760.0			116900378.947368	Y
6	IC 410-453851/12	20.0	2245439099.0			112271954.95	Y



Calibration / delta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

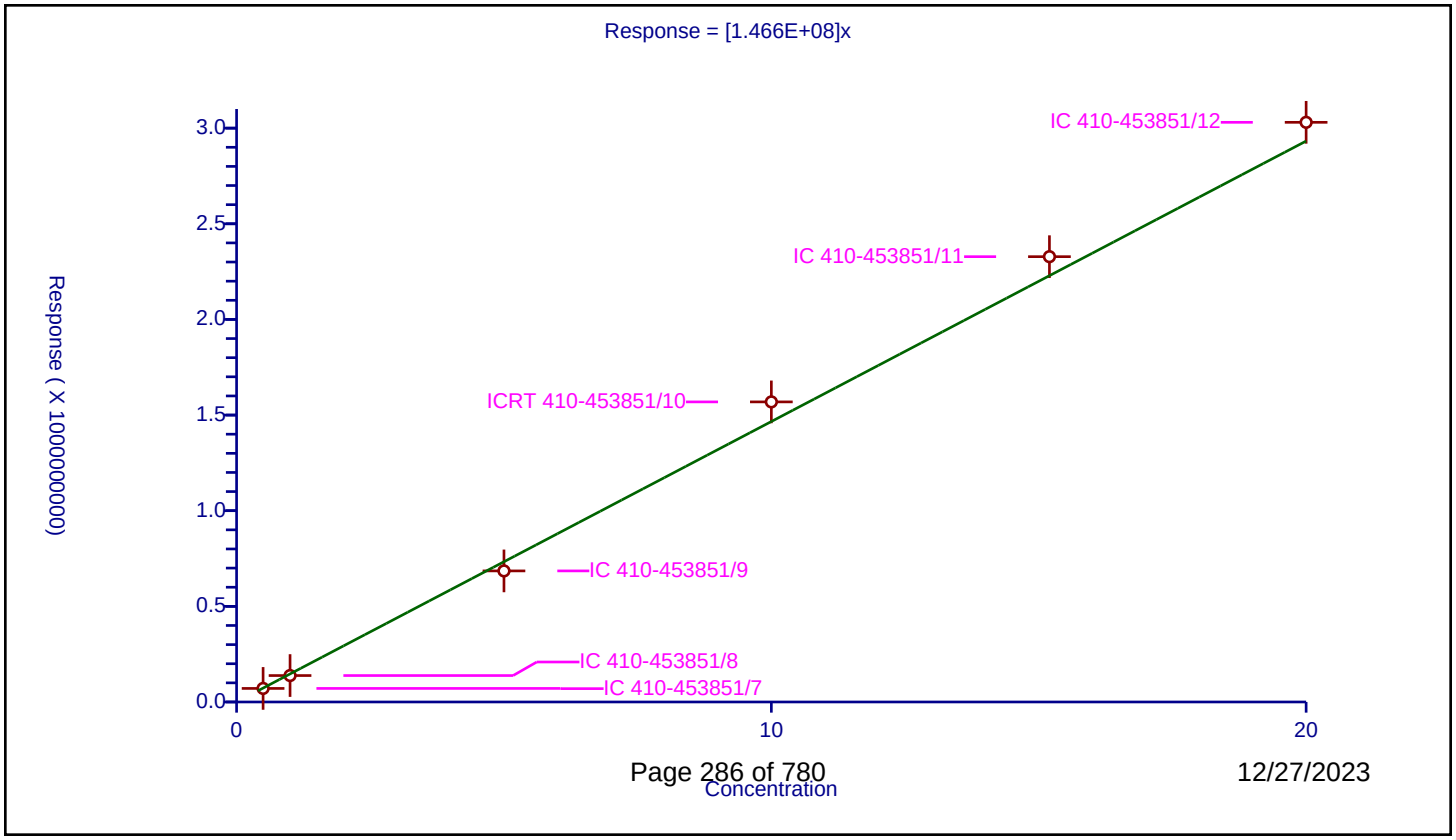
Curve Coefficients

Intercept:	0
Slope:	1.466E+08

Error Coefficients

Standard Error:	80500000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	70898644.0			142940814.516129	Y
2	IC 410-453851/8	1.0	138167184.0			138167184.0	Y
3	IC 410-453851/9	5.0	685236267.0			137047253.4	Y
4	ICRT 410-453851/10	10.0	1568915025.0			156891502.5	Y
5	IC 410-453851/11	15.2	2328128579.0			153166353.881579	Y
6	IC 410-453851/12	20.0	3030431057.0			151521552.85	Y



Calibration / Aldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

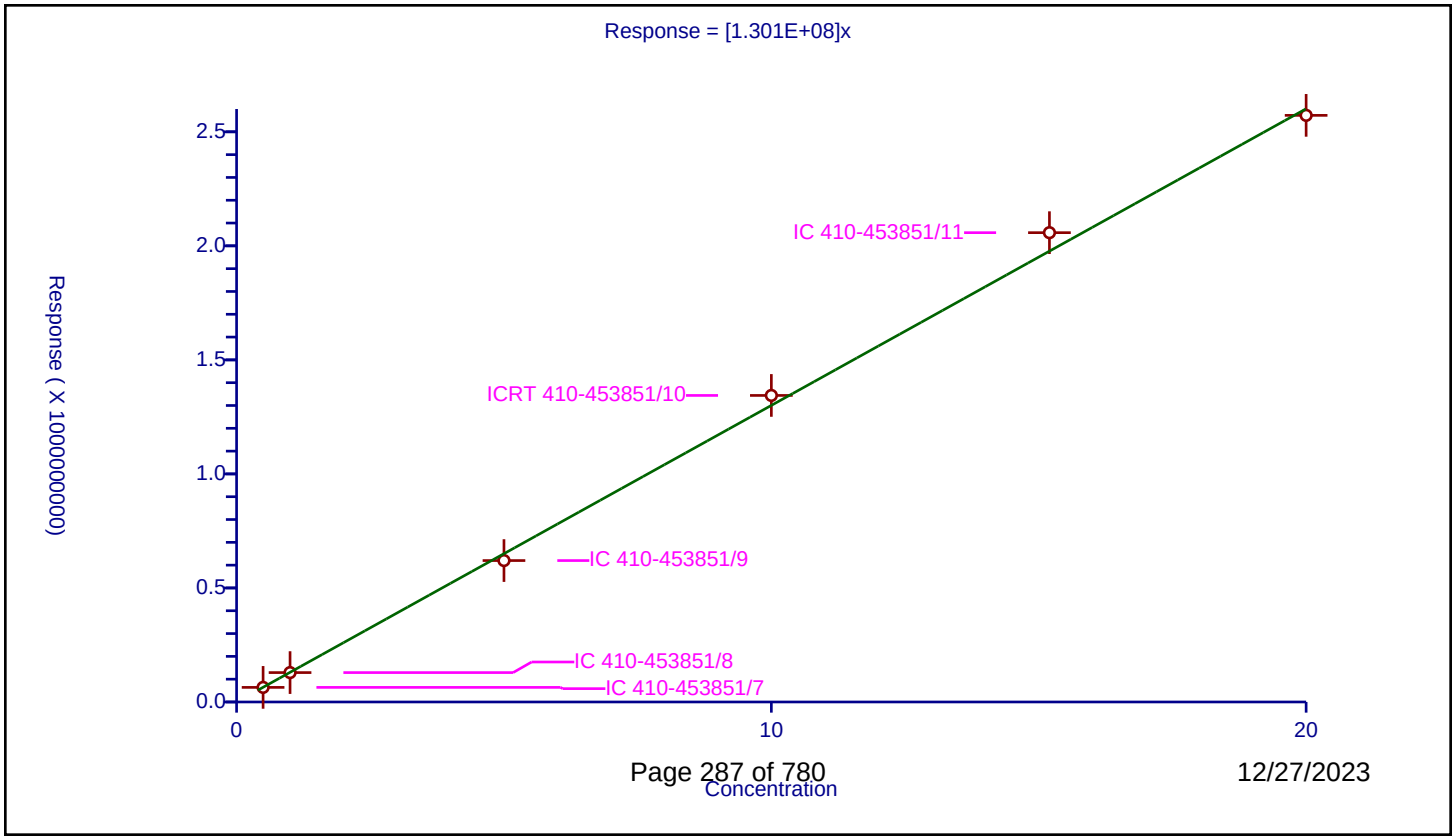
Curve Coefficients

Intercept:	0
Slope:	1.301E+08

Error Coefficients

Standard Error:	45200000
Relative Standard Error:	3.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	63994284.0			129020733.870968	Y
2	IC 410-453851/8	1.0	128856698.0			128856698.0	Y
3	IC 410-453851/9	5.0	620127374.0			124025474.8	Y
4	ICRT 410-453851/10	10.0	1344079548.0			134407954.8	Y
5	IC 410-453851/11	15.2	2057801012.0			135381645.526316	Y
6	IC 410-453851/12	20.0	2572182140.0			128609107.0	Y



Calibration / Heptachlor epoxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

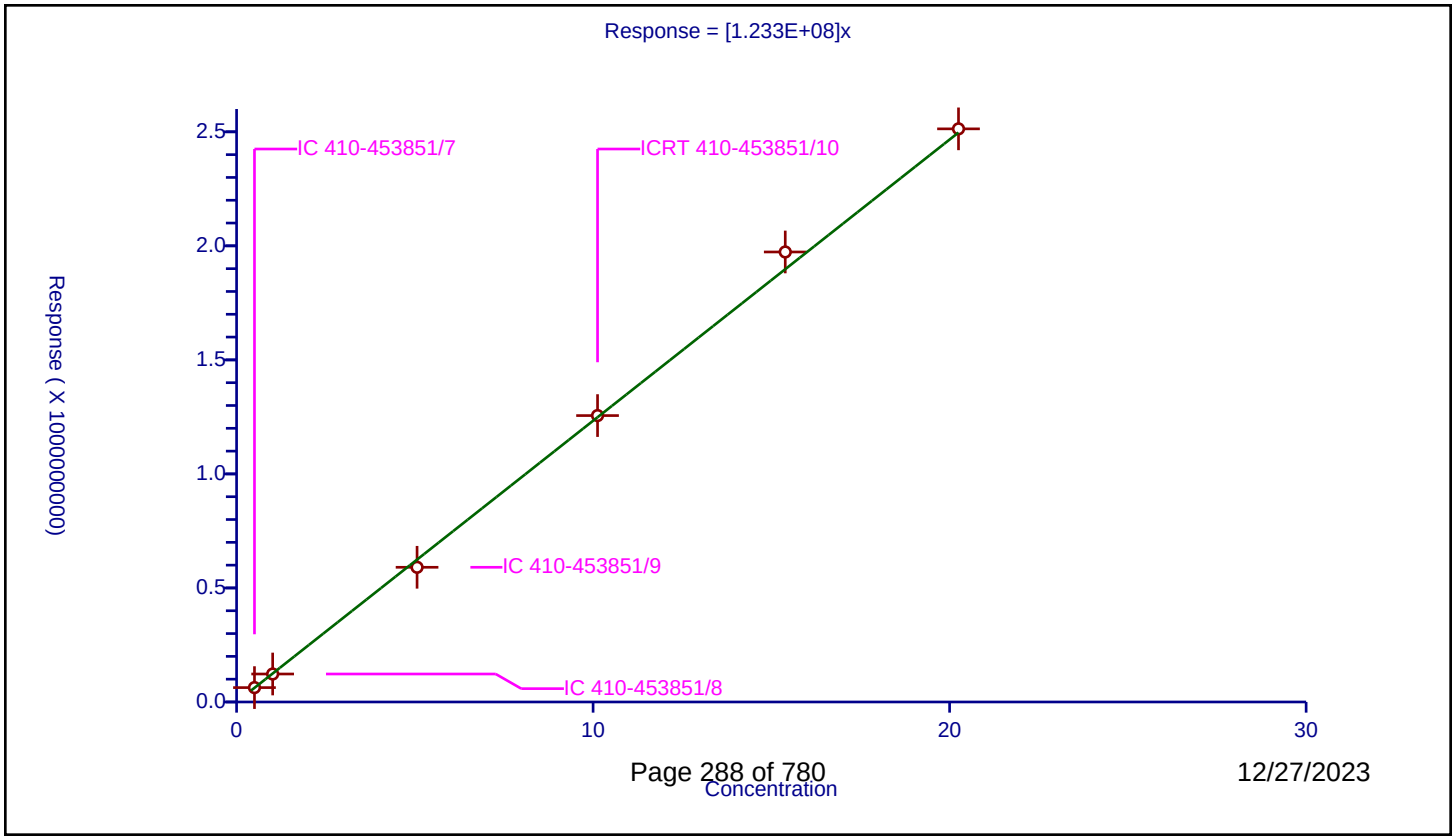
Curve Coefficients

Intercept:	0
Slope:	1.233E+08

Error Coefficients

Standard Error:	37800000
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 410-453851/7	0.5022	63100196.0			125647542.811629	Y
2	IC 410-453851/8	1.0125	122671418.0			121156956.049383	Y
3	IC 410-453851/9	5.0625	590655050.0			116672602.469136	Y
4	ICRT 410-453851/10	10.125	1255885198.0			124038044.246914	Y
5	IC 410-453851/11	15.39	1973152104.0			128210013.255361	Y
6	IC 410-453851/12	20.25	2513011874.0			124099351.802469	Y



Calibration / trans-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

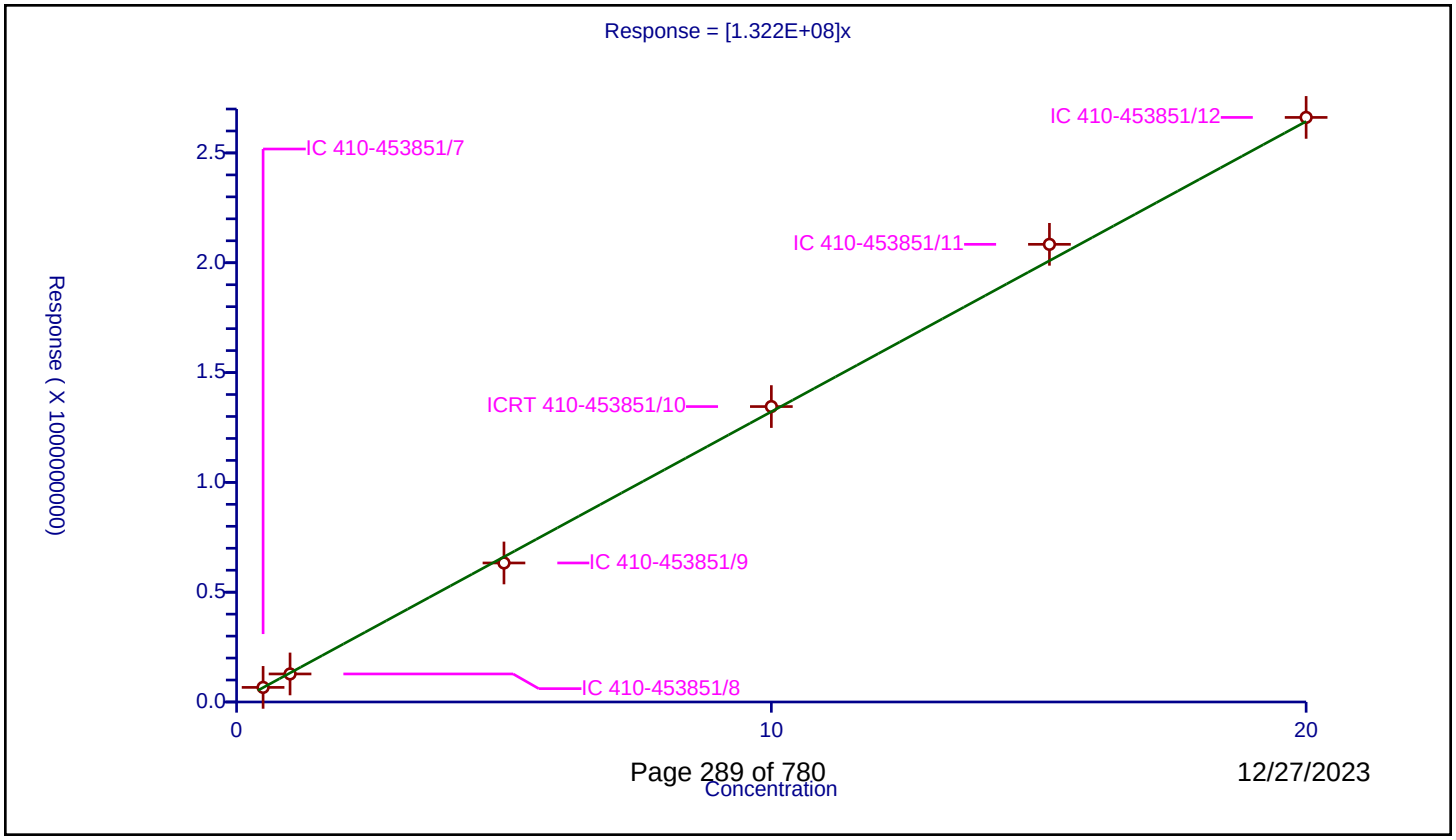
Curve Coefficients

Intercept:	0
Slope:	1.322E+08

Error Coefficients

Standard Error:	38100000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	66498920.0			134070403.225806	Y
2	IC 410-453851/8	1.0	127709441.0			127709441.0	Y
3	IC 410-453851/9	5.0	633076934.0			126615386.8	Y
4	ICRT 410-453851/10	10.0	1345118287.0			134511828.7	Y
5	IC 410-453851/11	15.2	2083843627.0			137094975.460526	Y
6	IC 410-453851/12	20.0	2661749815.0			133087490.75	Y



12/27/2023

Calibration / cis-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

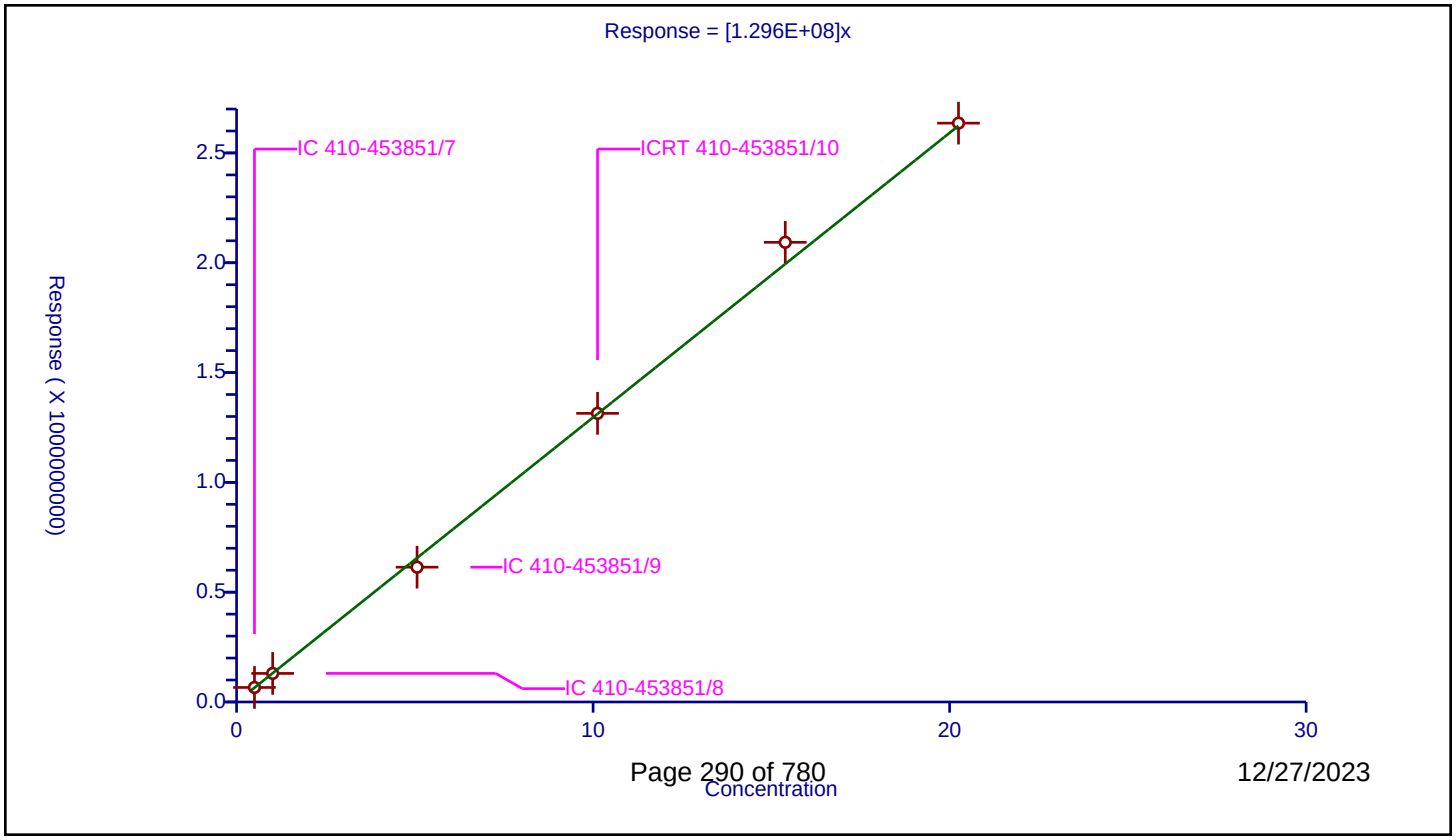
Curve Coefficients

Intercept:	0
Slope:	1.296E+08

Error Coefficients

Standard Error:	48400000
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 410-453851/7	0.5022	66151629.0			131723673.835125	Y
2	IC 410-453851/8	1.0125	130101441.0			128495250.37037	Y
3	IC 410-453851/9	5.0625	613868309.0			121257937.580247	Y
4	ICRT 410-453851/10	10.125	1314253493.0			129802814.123457	Y
5	IC 410-453851/11	15.39	2093040446.0			136000028.979857	Y
6	IC 410-453851/12	20.25	2635601958.0			130153183.111111	Y



Calibration / Endosulfan I

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

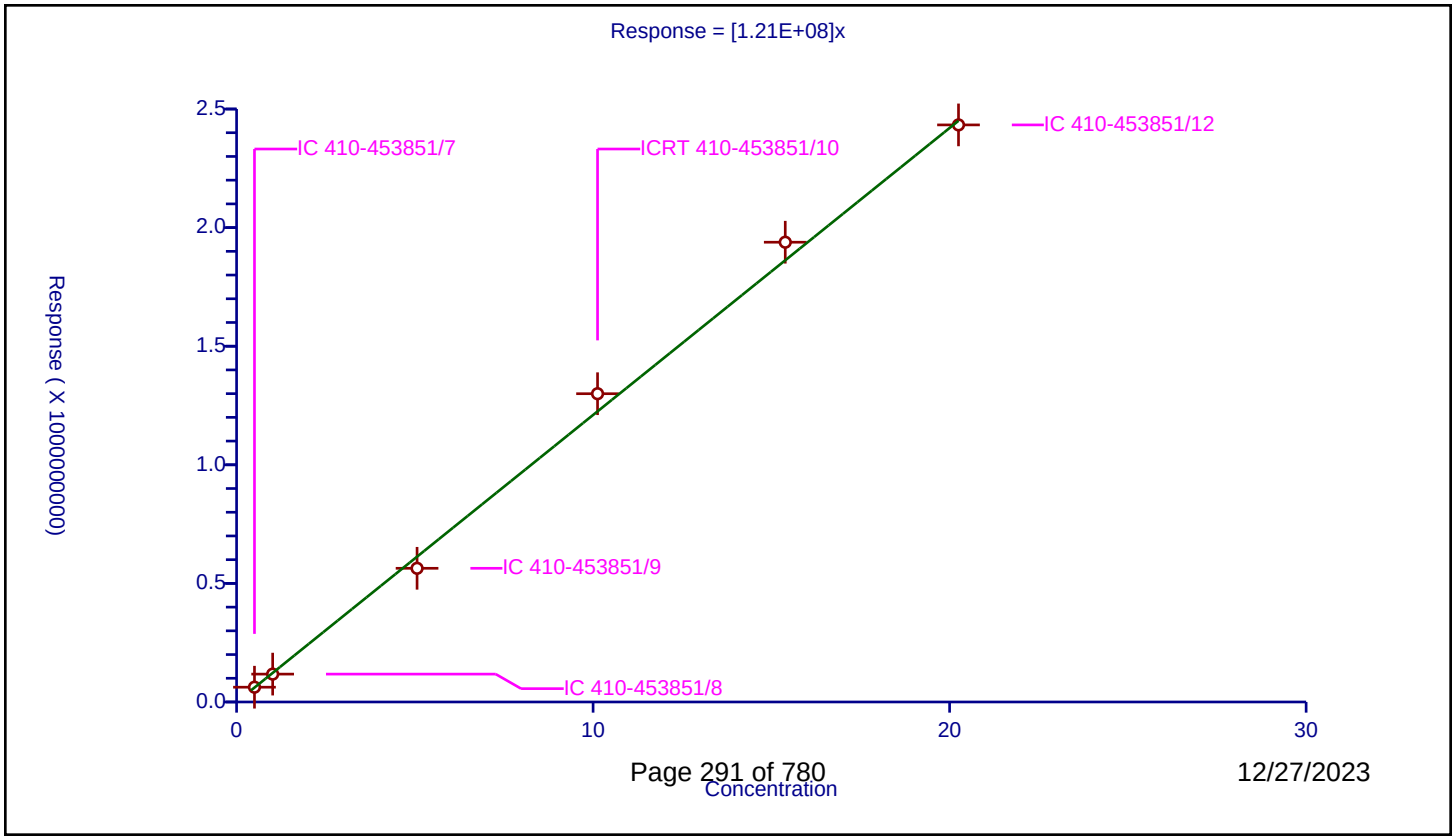
Curve Coefficients

Intercept:	0
Slope:	1.21E+08

Error Coefficients

Standard Error:	53100000
Relative Standard Error:	5.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.5022	62353570.0			124160832.337714	Y
2	IC 410-453851/8	1.0125	117502049.0			116051406.419753	Y
3	IC 410-453851/9	5.0625	563607087.0			111329794.962963	Y
4	ICRT 410-453851/10	10.125	1299756146.0			128370977.382716	Y
5	IC 410-453851/11	15.39	1938425735.0			125953589.018843	Y
6	IC 410-453851/12	20.25	2433019361.0			120149104.246914	Y



Calibration / 4,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

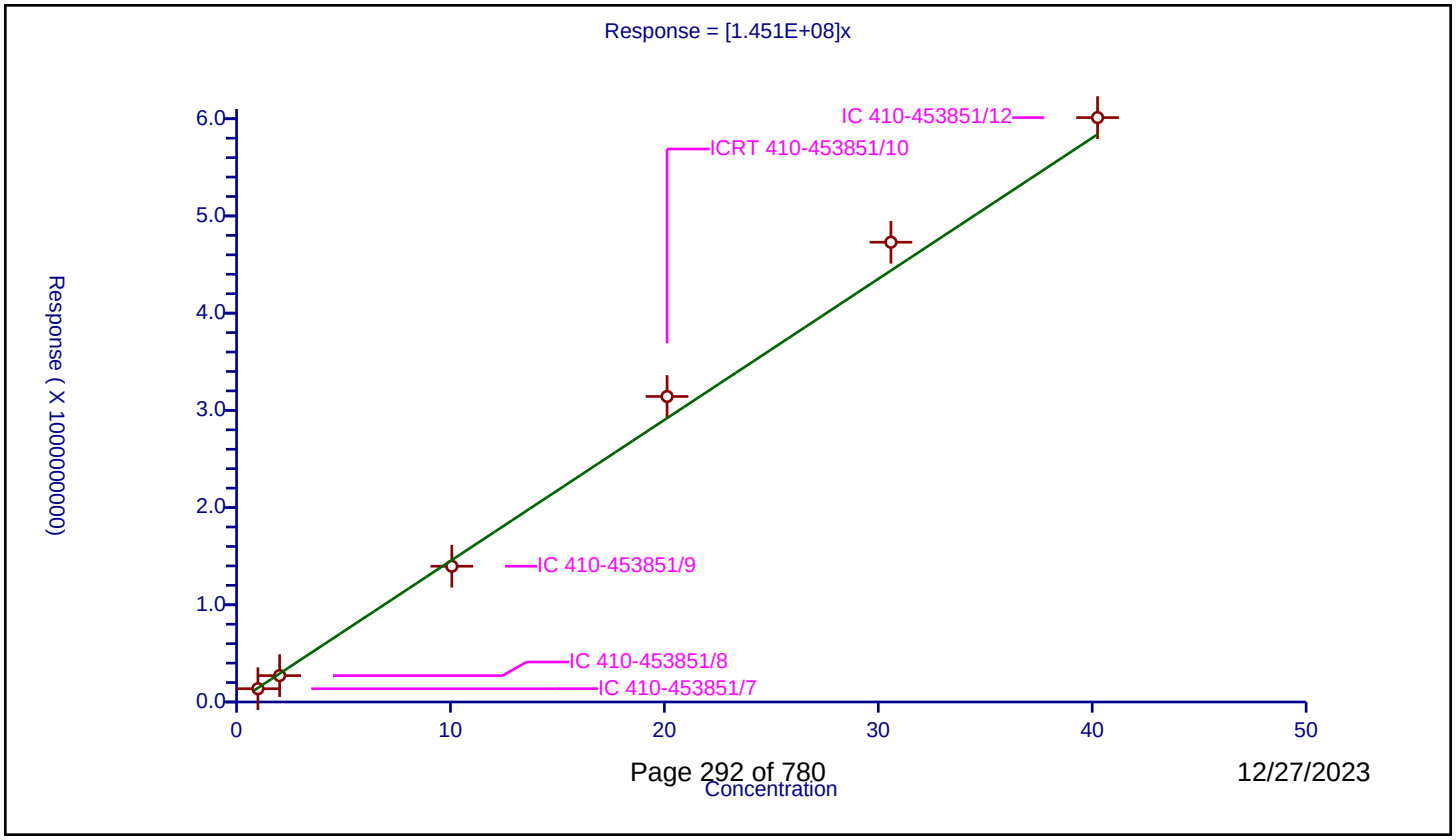
Curve Coefficients

Intercept:	0
Slope:	1.451E+08

Error Coefficients

Standard Error:	184000000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.9982	136555431.0			136801674.013224	Y
2	IC 410-453851/8	2.0125	271177073.0			134746371.677019	Y
3	IC 410-453851/9	10.0625	1396553280.0			138787903.602484	Y
4	ICRT 410-453851/10	20.125	3142718834.0			156159942.062112	Y
5	IC 410-453851/11	30.59	4729758407.0			154617796.89441	Y
6	IC 410-453851/12	40.25	6011604307.0			149356628.745342	Y



Calibration / Dieldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

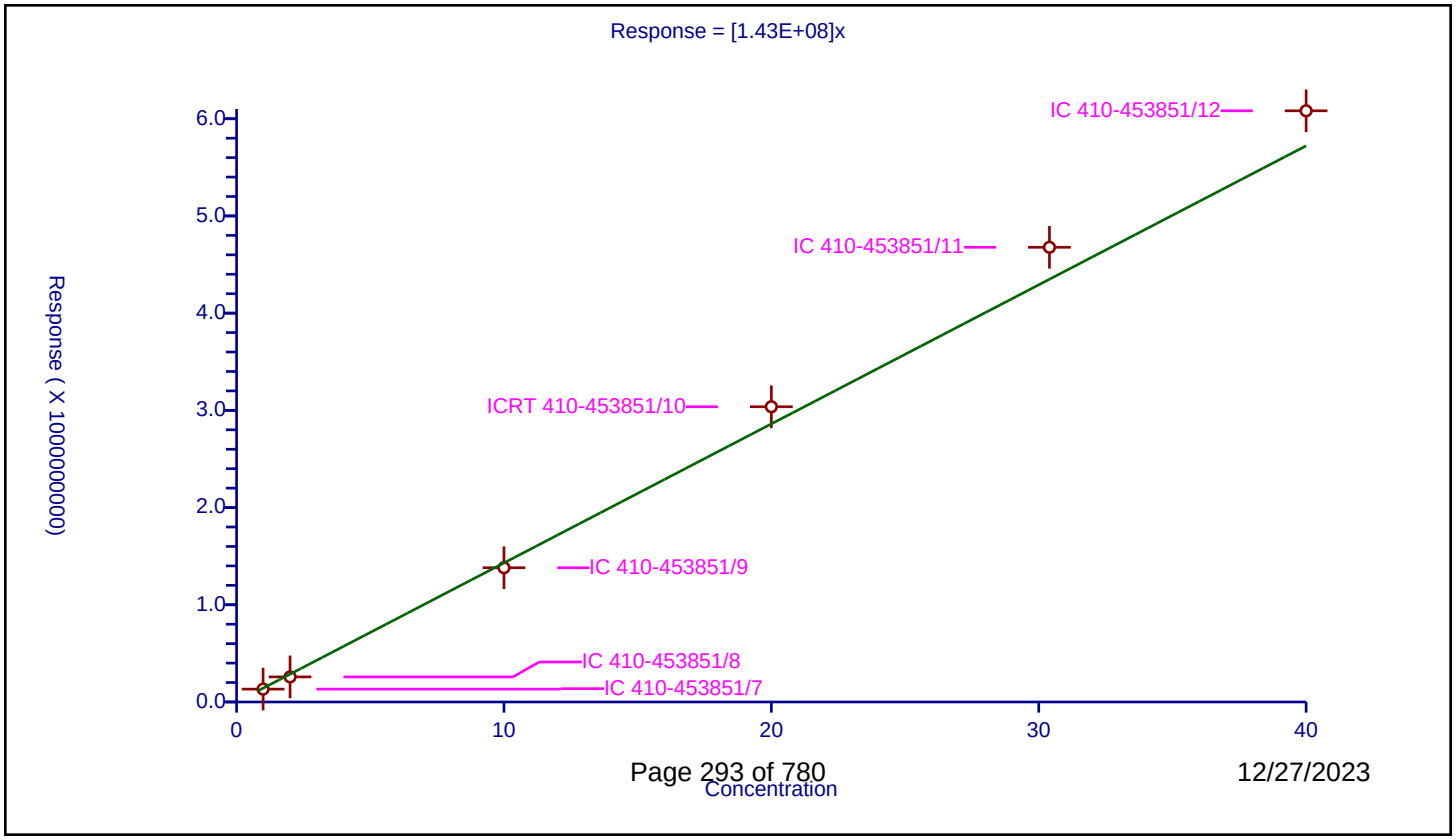
Curve Coefficients

Intercept:	0
Slope:	1.43E+08

Error Coefficients

Standard Error:	233000000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	132305223.0			133372200.604839	Y
2	IC 410-453851/8	2.0	257949876.0			128974938.0	Y
3	IC 410-453851/9	10.0	1381083426.0			138108342.6	Y
4	ICRT 410-453851/10	20.0	3037215402.0			151860770.1	Y
5	IC 410-453851/11	30.4	4677740287.0			153873035.756579	Y
6	IC 410-453851/12	40.0	6081571791.0			152039294.775	Y



Calibration / Endrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

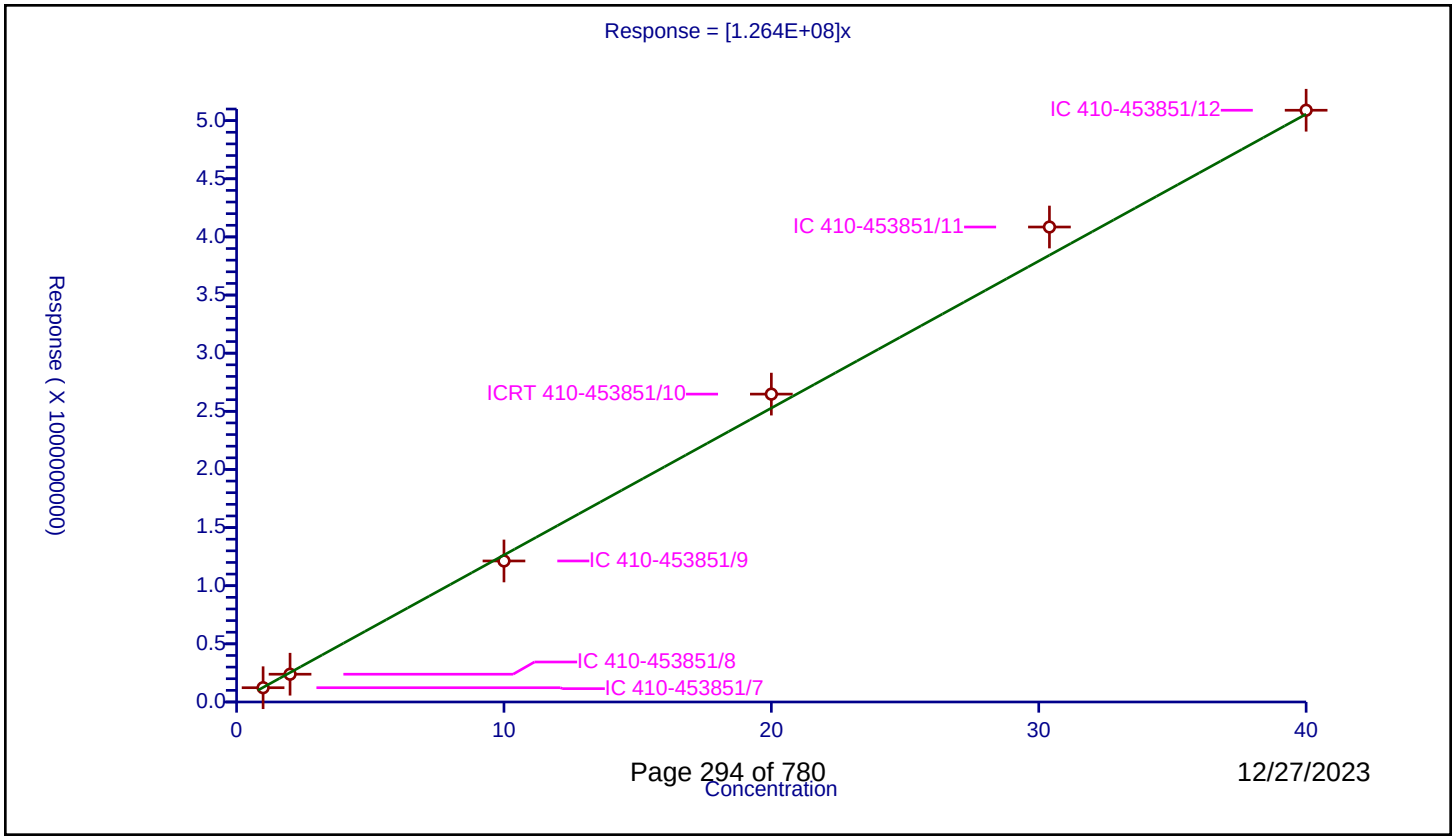
Curve Coefficients

Intercept:	0
Slope:	1.264E+08

Error Coefficients

Standard Error:	124000000
Relative Standard Error:	4.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	122711735.0			123701345.766129	Y
2	IC 410-453851/8	2.0	238804140.0			119402070.0	Y
3	IC 410-453851/9	10.0	1212945276.0			121294527.6	Y
4	ICRT 410-453851/10	20.0	2647941811.0			132397090.55	Y
5	IC 410-453851/11	30.4	4085066567.0			134377189.703947	Y
6	IC 410-453851/12	40.0	5089494318.0			127237357.95	Y



Calibration / 4,4'-DDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

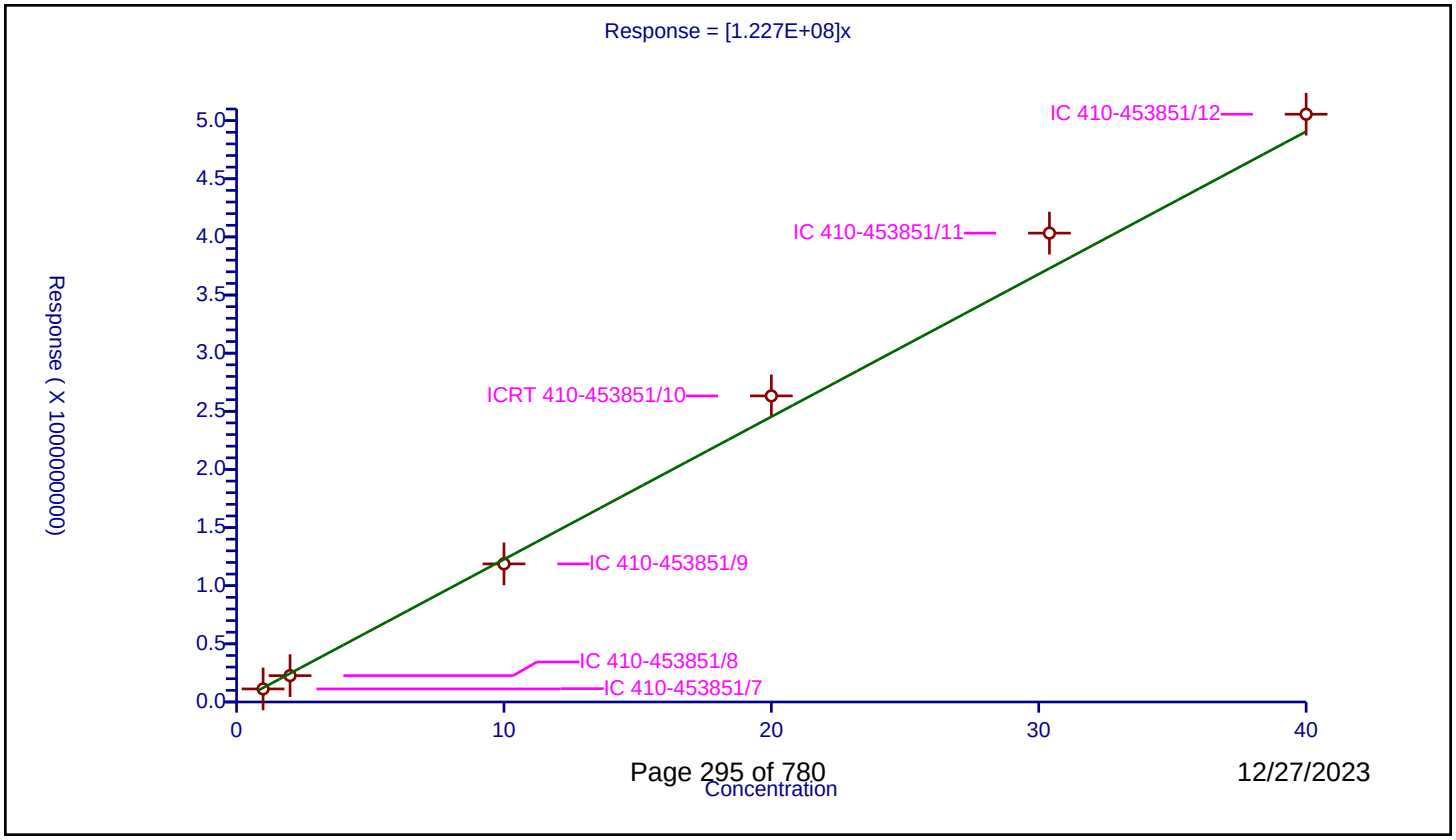
Curve Coefficients

Intercept:	0
Slope:	1.227E+08

Error Coefficients

Standard Error:	172000000
Relative Standard Error:	7.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	112297775.0			113203402.217742	Y
2	IC 410-453851/8	2.0	226636044.0			113318022.0	Y
3	IC 410-453851/9	10.0	1187682994.0			118768299.4	Y
4	ICRT 410-453851/10	20.0	2632648509.0			131632425.45	Y
5	IC 410-453851/11	30.4	4032502145.0			132648096.875	Y
6	IC 410-453851/12	40.0	5055261023.0			126381525.575	Y



Calibration / Endosulfan II

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

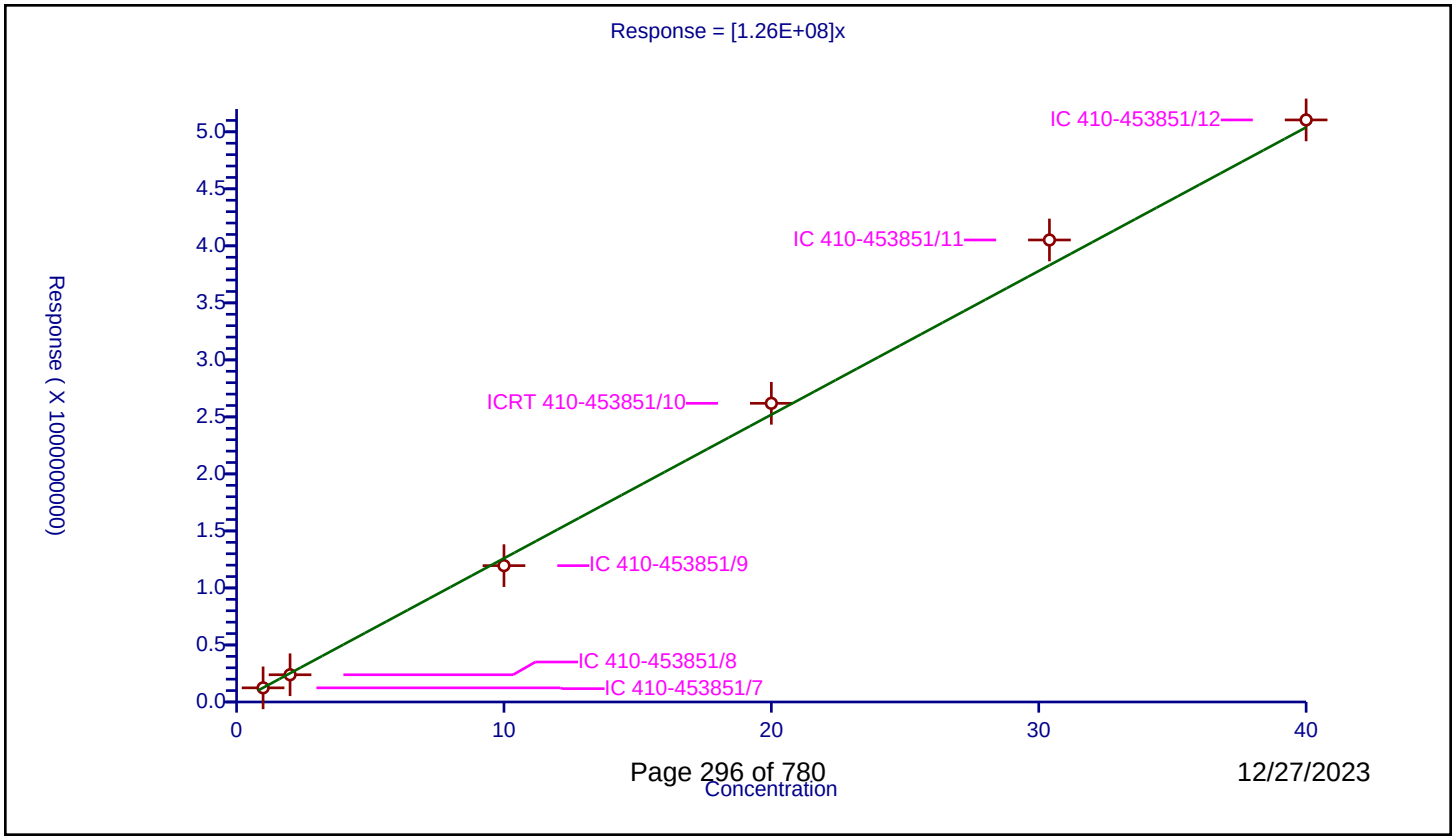
Curve Coefficients

Intercept:	0
Slope:	1.26E+08

Error Coefficients

Standard Error:	116000000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	123987863.0			124987765.120968	Y
2	IC 410-453851/8	2.0	238970678.0			119485339.0	Y
3	IC 410-453851/9	10.0	1195838242.0			119583824.2	Y
4	ICRT 410-453851/10	20.0	2619135138.0			130956756.9	Y
5	IC 410-453851/11	30.4	4051627525.0			133277221.217105	Y
6	IC 410-453851/12	40.0	5104371823.0			127609295.575	Y



Calibration / 4,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

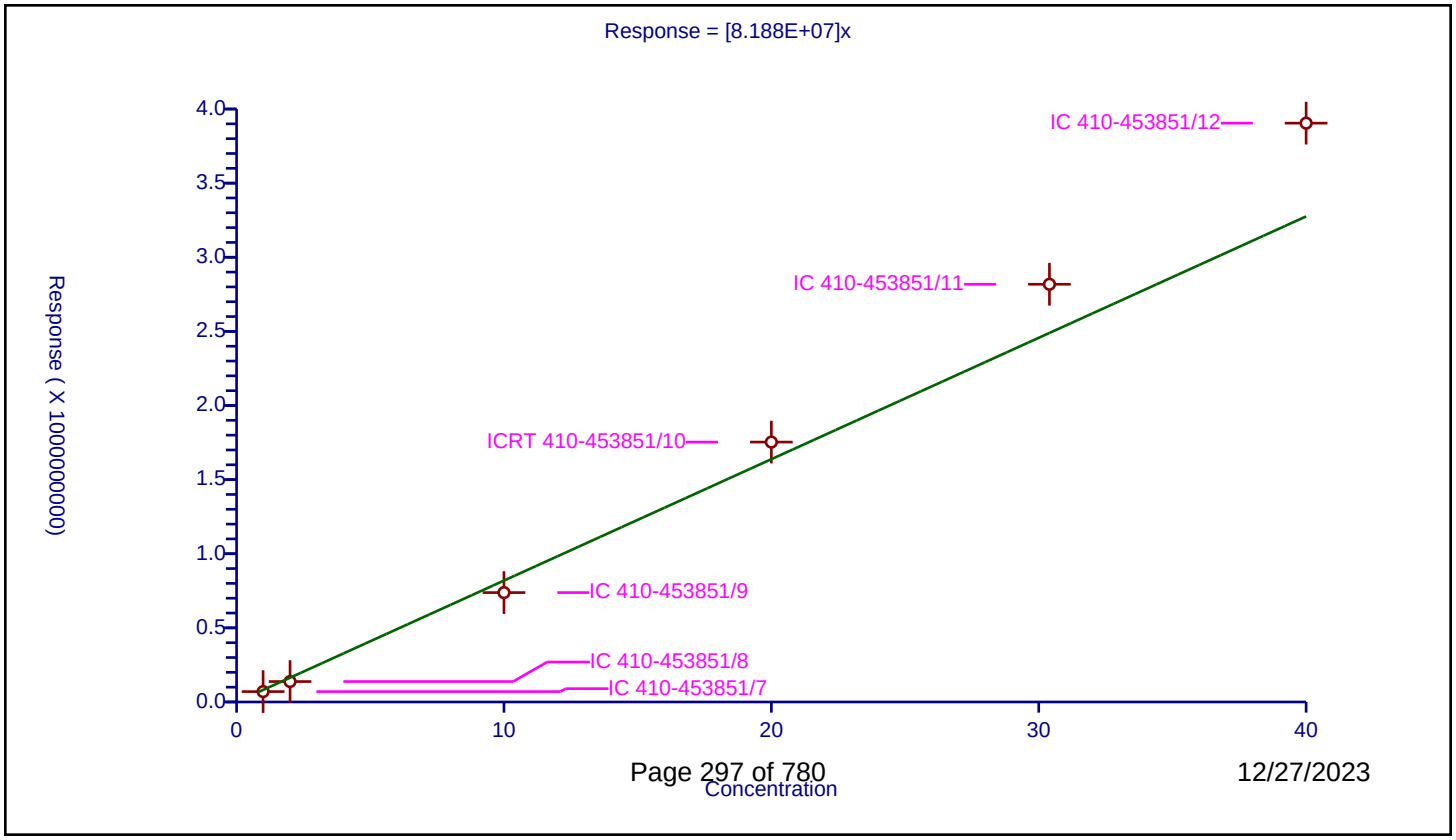
Curve Coefficients

Intercept:	0
Slope:	8.188E+07

Error Coefficients

Standard Error:	324000000
Relative Standard Error:	15.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	70060872.0			70625879.032258	Y
2	IC 410-453851/8	2.0	137831925.0			68915962.5	Y
3	IC 410-453851/9	10.0	737964905.0			73796490.5	Y
4	ICRT 410-453851/10	20.0	1753226897.0			87661344.85	Y
5	IC 410-453851/11	30.4	2817879961.0			92693419.769737	Y
6	IC 410-453851/12	40.0	3904641926.0			97616048.15	Y



Calibration / Endrin aldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

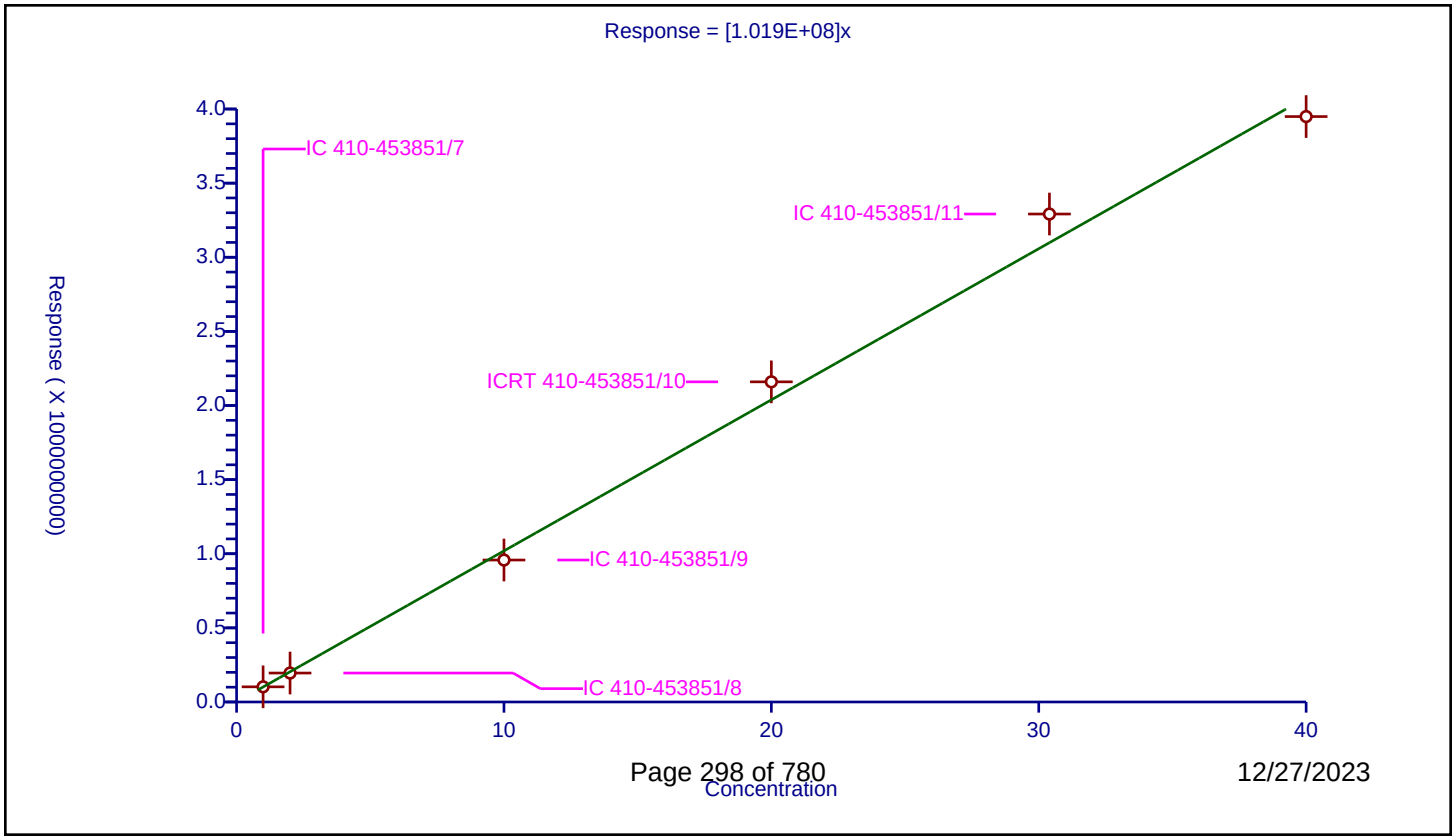
Curve Coefficients

Intercept:	0
Slope:	1.019E+08

Error Coefficients

Standard Error:	120000000
Relative Standard Error:	5.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	102320542.0			103145707.66129	Y
2	IC 410-453851/8	2.0	195185952.0			97592976.0	Y
3	IC 410-453851/9	10.0	957606726.0			95760672.6	Y
4	ICRT 410-453851/10	20.0	2159649566.0			107982478.3	Y
5	IC 410-453851/11	30.4	3291563454.0			108275113.618421	Y
6	IC 410-453851/12	40.0	3949138605.0			98728465.125	Y



Calibration / Endosulfan sulfate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

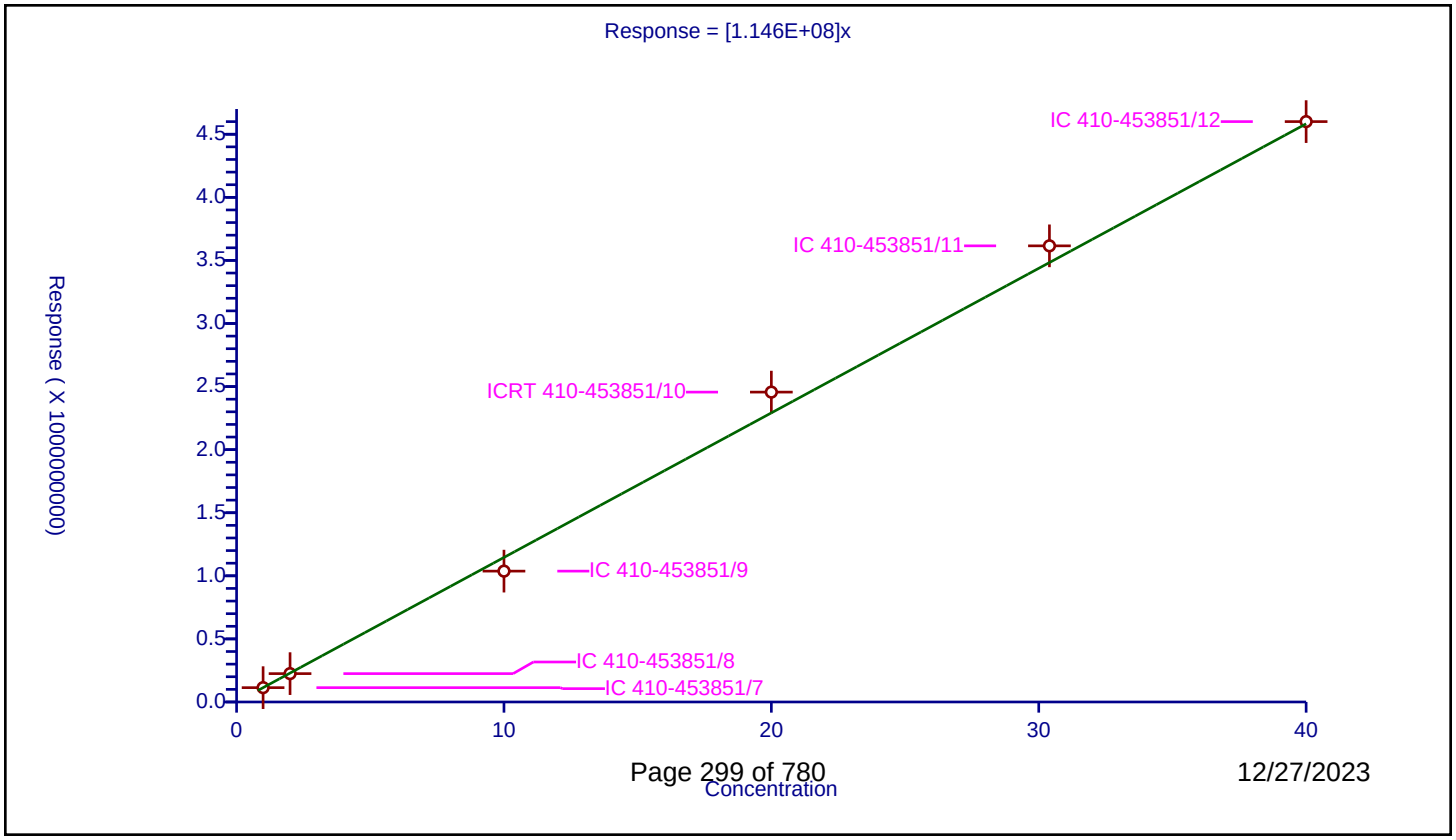
Curve Coefficients

Intercept:	0
Slope:	1.146E+08

Error Coefficients

Standard Error:	107000000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	113624908.0			114541237.903226	Y
2	IC 410-453851/8	2.0	224837148.0			112418574.0	Y
3	IC 410-453851/9	10.0	1037335411.0			103733541.1	Y
4	ICRT 410-453851/10	20.0	2456175813.0			122808790.65	Y
5	IC 410-453851/11	30.4	3615417613.0			118928210.953947	Y
6	IC 410-453851/12	40.0	4600323895.0			115008097.375	Y



Calibration / Methoxychlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

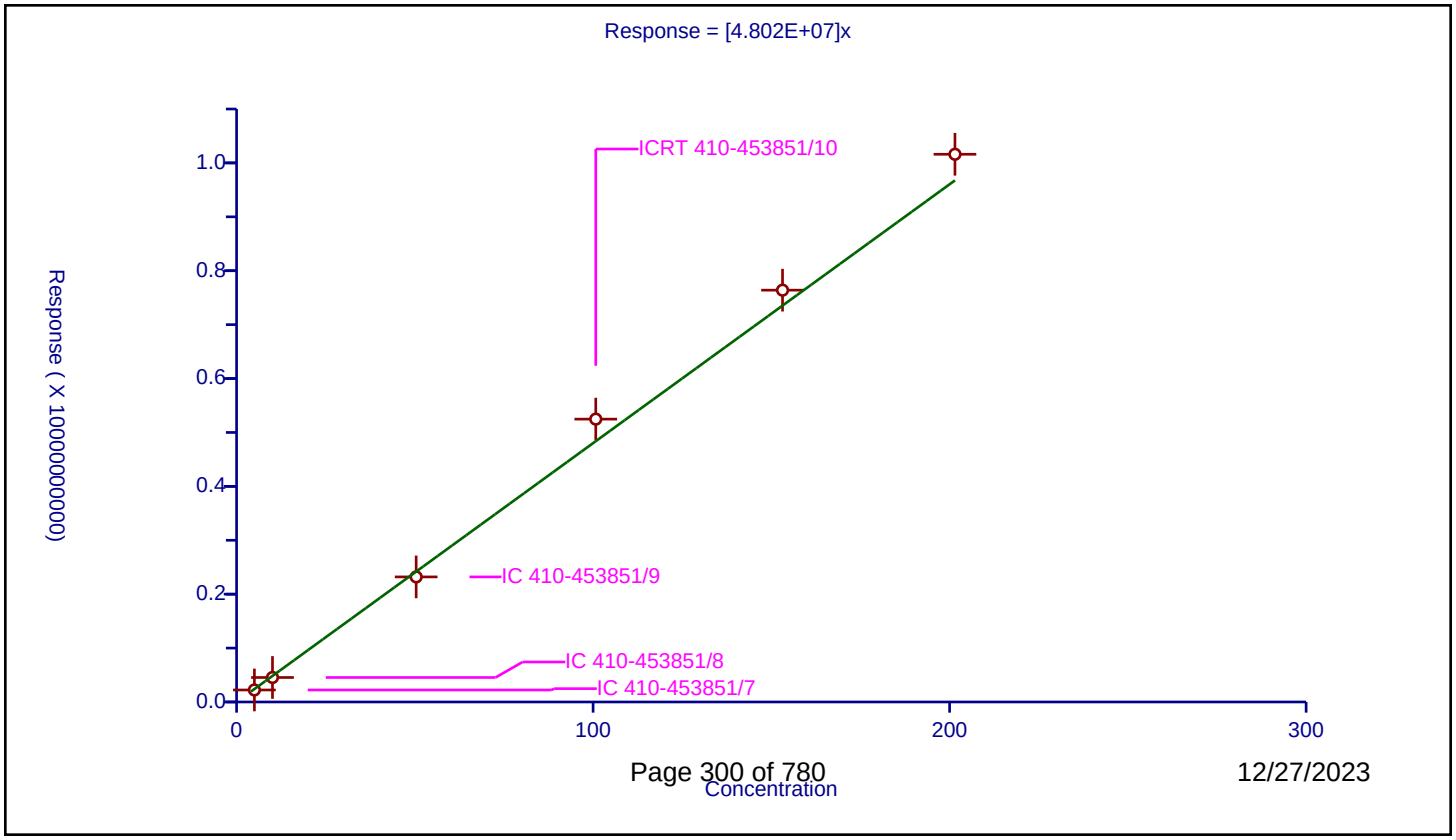
Curve Coefficients

Intercept:	0
Slope:	4.802E+07

Error Coefficients

Standard Error:	315000000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	4.9972	222627549.0			44550458.056512	Y
2	IC 410-453851/8	10.075	454438901.0			45105598.114144	Y
3	IC 410-453851/9	50.375	2320104585.0			46056666.699752	Y
4	ICRT 410-453851/10	100.75	5247316281.0			52082543.73201	Y
5	IC 410-453851/11	153.14	7639729586.0			49887224.670236	Y
6	IC 410-453851/12	201.5	10160736423.0			50425490.933003	Y



Calibration / Endrin ketone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

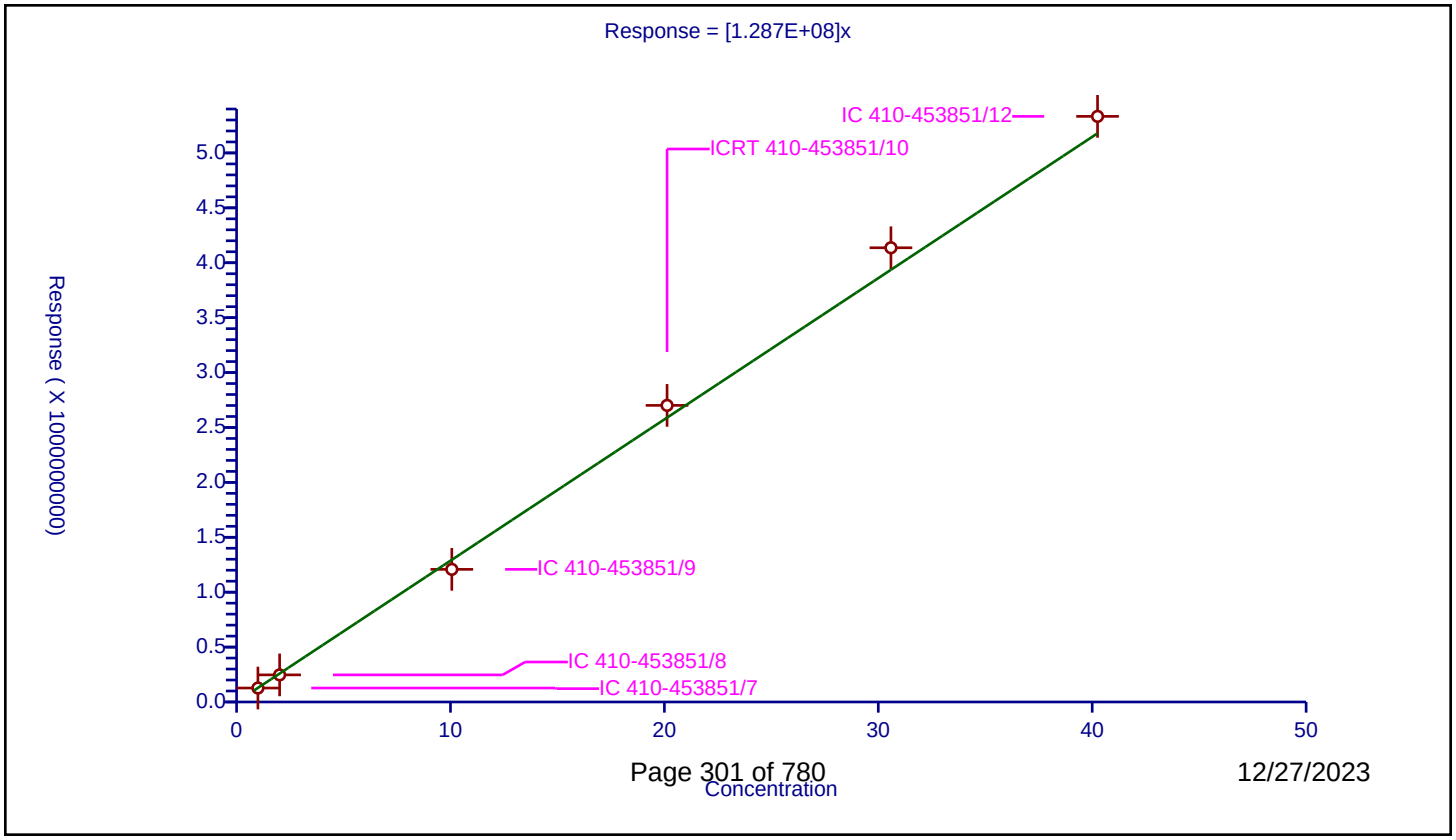
Curve Coefficients

Intercept:	0
Slope:	1.287E+08

Error Coefficients

Standard Error:	130000000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.9982	127164758.0			127394067.321178	Y
2	IC 410-453851/8	2.0125	246768500.0			122617888.198758	Y
3	IC 410-453851/9	10.0625	1207796535.0			120029469.31677	Y
4	ICRT 410-453851/10	20.125	2700932468.0			134207824.496894	Y
5	IC 410-453851/11	30.59	4136592515.0			135226953.743053	Y
6	IC 410-453851/12	40.25	5332983030.0			132496472.795031	Y



Calibration / DCB Decachlorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

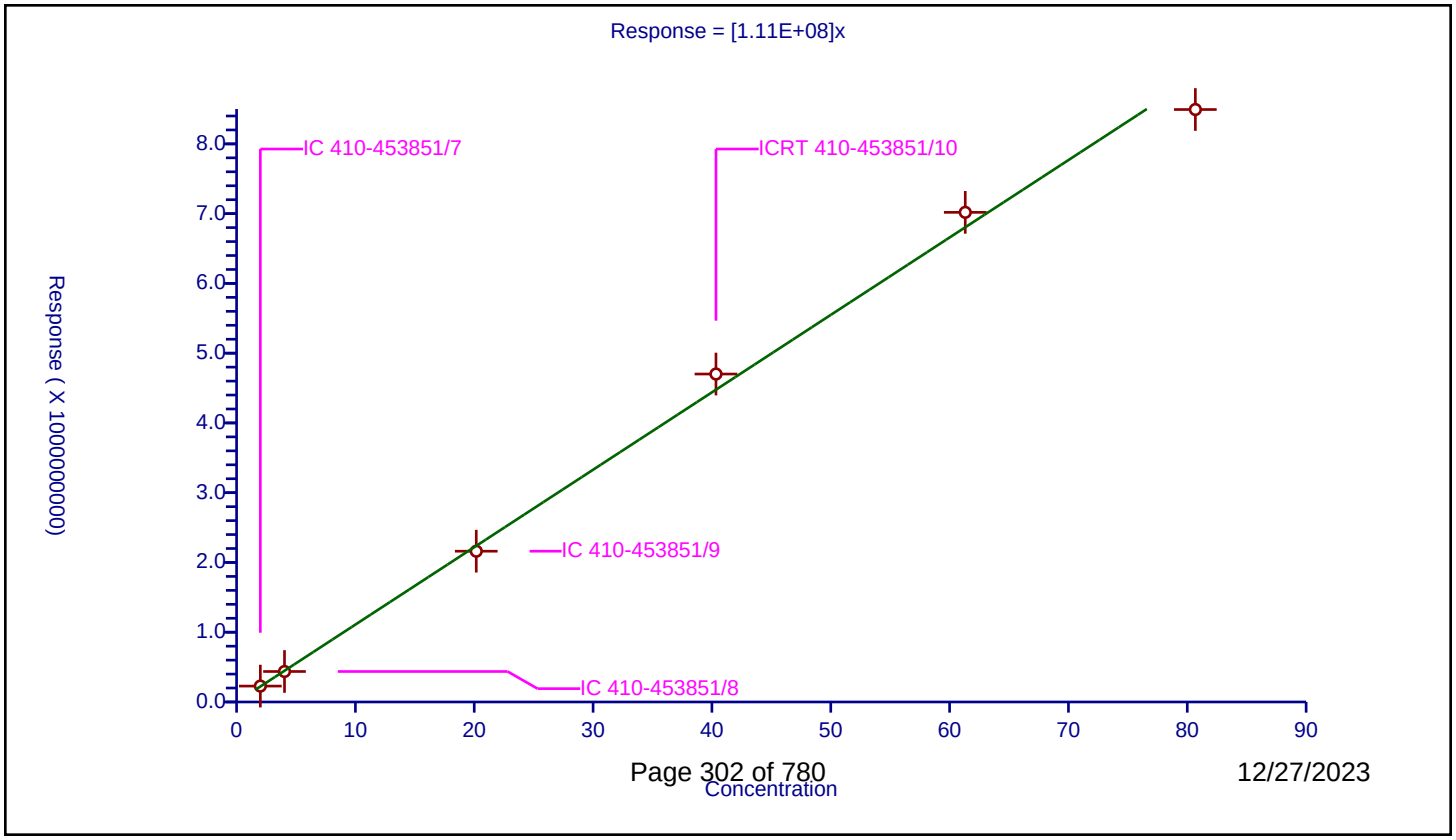
Curve Coefficients

Intercept:	0
Slope:	1.11E+08

Error Coefficients

Standard Error:	251000000
Relative Standard Error:	4.1
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	2.000864	228076234.0			113988873.806516	Y
2	IC 410-453851/8	4.034	437279997.0			108398611.056024	Y
3	IC 410-453851/9	20.17	2161596451.0			107168887.010411	Y
4	ICRT 410-453851/10	40.34	4701152123.0			116538228.135845	Y
5	IC 410-453851/11	61.3168	7018848080.0			114468597.187068	Y
6	IC 410-453851/12	80.68	8492580459.0			105262524.281111	Y



FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56816

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/7	41PEST23348001.007.D
Level 2	IC 410-453851/8	41PEST23348001.008.D
Level 3	IC 410-453851/9	41PEST23348001.009.D
Level 4	ICRT 410-453851/10	41PEST23348001.010.D
Level 5	IC 410-453851/11	41PEST23348001.011.D
Level 6	IC 410-453851/12	41PEST23348001.012.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	2.953	2.955	2.953	2.958	2.957	2.958					2.928 - 2.988	2.956
gamma-BHC (Lindane)	3.297	3.298	3.298	3.302	3.300	3.302					3.272 - 3.332	3.300
beta-BHC	3.570	3.572	3.570	3.572	3.572	3.573					3.542 - 3.602	3.572
delta-BHC	3.818	3.822	3.820	3.822	3.822	3.823					3.792 - 3.852	3.821
Heptachlor	3.882	3.885	3.883	3.885	3.885	3.887					3.855 - 3.915	3.885
Aldrin	4.177	4.180	4.178	4.182	4.180	4.183					4.152 - 4.212	4.180
Heptachlor epoxide	4.555	4.558	4.557	4.560	4.558	4.562					4.530 - 4.590	4.558
gamma-Chlordane	4.817	4.820	4.818	4.820	4.820	4.822					4.790 - 4.850	4.820
alpha-Chlordane	4.857	4.860	4.858	4.860	4.860	4.862					4.830 - 4.890	4.860
Endosulfan I	4.888	4.890	4.888	4.892	4.890	4.893					4.862 - 4.922	4.890
p,p'-DDE	4.975	4.978	4.977	4.980	4.978	4.982					4.950 - 5.010	4.978
Dieldrin	5.092	5.093	5.093	5.095	5.095	5.097					5.065 - 5.125	5.094
Endrin	5.270	5.272	5.270	5.273	5.273	5.275					5.243 - 5.303	5.272
p,p'-DDD	5.373	5.377	5.375	5.377	5.377	5.378					5.347 - 5.407	5.376
Endosulfan II	5.470	5.473	5.472	5.473	5.473	5.475					5.443 - 5.503	5.473
Endrin aldehyde	5.552	5.555	5.553	5.555	5.555	5.557					5.525 - 5.585	5.555
p,p'-DDT	5.602	5.605	5.603	5.605	5.605	5.607					5.575 - 5.635	5.605
Endosulfan sulfate	5.762	5.763	5.762	5.765	5.763	5.767					5.735 - 5.795	5.764
Methoxychlor	5.922	5.925	5.923	5.925	5.925	5.927					5.895 - 5.955	5.925
Endrin ketone	6.068	6.072	6.070	6.072	6.072	6.073					6.042 - 6.102	6.071
Tetrachloro-m-xylene (Surr)	2.532	2.533	2.532	2.535	2.535	2.537					2.505 - 2.565	2.534
DCB Decachlorobiphenyl (Surr)	7.150	7.155	7.152	7.153	7.152	7.153					7.123 - 7.183	7.153

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56816

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/7	41PEST23348001.007.D
Level 2	IC 410-453851/8	41PEST23348001.008.D
Level 3	IC 410-453851/9	41PEST23348001.009.D
Level 4	ICRT 410-453851/10	41PEST23348001.010.D
Level 5	IC 410-453851/11	41PEST23348001.011.D
Level 6	IC 410-453851/12	41PEST23348001.012.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	146543429 146336870	142492073 149143337	131331055	144252863	Ave		143349938				4.4		20.0			
gamma-BHC (Lindane)	153634908 153110744	147776951 153920269	136339866	149097745	Ave		148980081				4.5		20.0			
beta-BHC	65589389 54138341	63050081 51844778	56981760	56262965	Ave		57977885. 7				9.1		20.0			
delta-BHC	179533589 190696515	168561877 192438386	170770326	188386283	Ave		181731163				5.7		20.0			
Heptachlor	174411651 163879840	160367167 163041156	154092713	160276125	Ave		162678109				4.1		20.0			
Aldrin	183602804 174069530	175556845 171497693	160031877	171848936	Ave		172767948				4.4		20.0			
Heptachlor epoxide	168958061 147683073	158357613 146857241	139730905	148529717	Ave		151686102				6.8		20.0			
gamma-Chlordane	144460796 117591981	132628596 115789091	113827352	115575122	Ave		123312156				10.1		20.0			
alpha-Chlordane	134042620 115280083	129311472 110699676	111125917	114971859	Ave		119238604				8.3		20.0			
Endosulfan I	130661258 111153944	129433308 104306920	105737586	110873009	Ave		115361004				10.1		20.0			
p,p'-DDE	112355373 98341217	104771302 94054418	89258190	96901467	Ave		99280327. 6				8.2		20.0			
Dieldrin	113825275 91538968	105221237 89988683	86159405	91892069	Ave		96437606. 2				11.1		20.0			
Endrin	87908536 64522674	81931926 62044098	65297716	65686963	Ave		71231985. 6				15.2		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56816

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
p,p'-DDD	57204153 42659368	54990356 42181883	44210805	44412325	Ave		47609814.8				14.0		20.0			
Endosulfan II	67755039 50713071	62261538 49577355	51766268	51790654	Ave		55643987.5				13.5		20.0			
Endrin aldehyde	51444580 39654310	48685047 38272279	39951638	42262106	Ave		43378326.5				12.5		20.0			
p,p'-DDT	23515394 25527023	23041317 26278320	22542083	25478769	Ave		24397151.0				6.4		20.0			
Endosulfan sulfate	55397459 47465323	52076479 47760067	46723345	49739782	Ave		49860409.1				6.7		20.0			
Methoxychlor	16159699 18480182	15842800 18578461	16245045	18250775	Ave		17259493.6				7.5		20.0			
Endrin ketone	58376773 61664880	56866453 61262881	56263922	62238375	Ave		59445547.3				4.4		20.0			
Tetrachloro-m-xylene (Surr)	47208525 36757394	43462709 35167625	37269068	38136258	Ave		39666929.9				11.7		20.0			
DCB Decachlorobiphenyl (Surr)	49963184 44010423	45811033 43669990	42684234	44706653	Ave		45140919.5				5.7		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56816

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/7	41PEST23348001.007.D
Level 2	IC 410-453851/8	41PEST23348001.008.D
Level 3	IC 410-453851/9	41PEST23348001.009.D
Level 4	ICRT 410-453851/10	41PEST23348001.010.D
Level 5	IC 410-453851/11	41PEST23348001.011.D
Level 6	IC 410-453851/12	41PEST23348001.012.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
alpha-BHC	Ave	72685541 2982866739	142492073	656655277	1442528630	2224320418	0.496 20.0	1.00	5.00	10.0	15.2
gamma-BHC (Lindane)	Ave	77155451 3116885450	149624163	690220573	1509614664	2356374349	0.502 20.3	1.01	5.06	10.1	15.4
beta-BHC	Ave	32938991 1049856760	63838207	288470161	569662521	833189070	0.502 20.3	1.01	5.06	10.1	15.4
delta-BHC	Ave	89048660 3848767727	168561877	853851631	1883862830	2898587033	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor	Ave	86508179 3260823112	160367167	770463564	1602761247	2490973564	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	91066991 3429953850	175556845	800159386	1718489356	2645856861	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	84850738 2973859124	160337083	707387709	1503863384	2272842501	0.502 20.3	1.01	5.06	10.1	15.4
gamma-Chlordane	Ave	71652555 2315781810	132628596	569136759	1155751222	1787398110	0.496 20.0	1.00	5.00	10.0	15.2
alpha-Chlordane	Ave	67316204 2241668435	130927865	562574954	1164090070	1774160485	0.502 20.3	1.01	5.06	10.1	15.4
Endosulfan I	Ave	65618084 2112215127	131051224	535296529	1122589218	1710659204	0.502 20.3	1.01	5.06	10.1	15.4
p,p'-DDE	Ave	112153133 3785690309	210852246	898160535	1950142017	3008257813	0.998 40.3	2.01	10.1	20.1	30.6
Dieldrin	Ave	112914673 3599547304	210442474	861594053	1837841383	2782784618	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	87205268 2481763928	163863852	652977160	1313739260	1961489292	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	56746520 1687275315	109980711	442108048	888246492	1296844785	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan II	Ave	67212999 1983094217	124523075	517662677	1035813079	1541677356	0.992 40.0	2.00	10.0	20.0	30.4
Endrin aldehyde	Ave	51033023	97370094	399516375	845242119	1205491034	0.992	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 Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 04:47 Calibration End Date: 12/14/2023 06:00 Calibration ID: 56816

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
		1530891155					40.0				
p,p'-DDT	Ave	23327271 1051132790	46082633	225420833	509575377	776021504	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan sulfate	Ave	54954279 1910402671	104152957	467233453	994795646	1442945828	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	80753250 3743559803	159616205	818344122	1838765573	2830055142	5.00 202	10.1	50.4	101	153
Endrin ketone	Ave	58271695 2465830966	114443736	566155714	1252547297	1886328668	0.998 40.3	2.01	10.1	20.1	30.6
Tetrachloro-m-xylene (Surr)	Ave	94223684 2830290428	174893940	749853650	1534603041	2248258664	2.00 80.5	4.02	20.1	40.2	61.2
DCB Decachlorobiphenyl (Surr)	Ave	99969537 3523294753	184801707	860941009	1803466368	2698578322	2.00 80.7	4.03	20.2	40.3	61.3

Curve Type Legend:

Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.007.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Dec-2023 04:47:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic a1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:14 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:19:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.952	1.955	-0.003	168395595H	2.00	2.03	
2	2.532	2.535	-0.003	94223684H	2.00	2.38	
						RPD = 15.56	
2 alpha-BHC							M
1	2.550	2.555	-0.005	63777088H	0.4960	0.4899	
2	2.953	2.958	-0.005	72685541H	0.4960	0.5070	M
						RPD = 3.44	
4 gamma-BHC (Lindane)							M
1	2.927	2.932	-0.005	60913095H	0.5022	0.4944	
2	3.297	3.302	-0.005	77155451H	0.5022	0.5179	M
						RPD = 4.65	
5 beta-BHC							M
1	3.178	3.182	-0.004	30417995H	0.5022	0.5557	
2	3.570	3.572	-0.002	32938991H	0.5022	0.5681	M
						RPD = 2.22	
7 delta-BHC							M
1	3.460	3.463	-0.003	70898644H	0.4960	0.4835	
2	3.818	3.822	-0.004	89048660H	0.4960	0.4900	M
						RPD = 1.33	
8 Heptachlor							M
1	3.292	3.295	-0.003	57919015H	0.4960	0.5034	
2	3.882	3.885	-0.003	86508179H	0.4960	0.5318	M
						RPD = 5.49	
9 Aldrin							M
1	3.593	3.598	-0.005	63994284H	0.4960	0.4921	
2	4.177	4.182	-0.005	91066991H	0.4960	0.5271	M
						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							M
1	4.090	4.095	-0.005	63100196H	0.5022	0.5117	
2	4.555	4.560	-0.005	84850738H	0.5022	0.5594	M
						RPD = 8.90	
13 trans-Chlordane							
1	4.290	4.293	-0.003	66498920H	0.4960	0.5031	
2	4.817	4.820	-0.003	71652555H	0.4960	0.5811	
						RPD = 14.39	
14 cis-Chlordane							
1	4.372	4.375	-0.003	66151629H	0.5022	0.5105	
2	4.857	4.860	-0.003	67316204H	0.5022	0.5646	
						RPD = 10.05	
15 Endosulfan I							
1	4.418	4.422	-0.004	62353570H	0.5022	0.5153	
2	4.888	4.892	-0.004	65618084H	0.5022	0.5688	
						RPD = 9.87	
16 4,4'-DDE							
1	4.542	4.545	-0.003	136555431H	1.00	0.9413	
2	4.975	4.980	-0.005	112153133H	1.00	1.13	
						RPD = 18.20	
18 Dieldrin							
1	4.653	4.657	-0.004	132305223H	0.99	0.9250	
2	5.092	5.095	-0.003	112914673H	0.99	1.17	
						RPD = 23.47	
19 Endrin							
1	4.905	4.908	-0.003	122711735H	0.99	0.9708	
2	5.270	5.273	-0.003	87205268H	0.99	1.22	
						RPD = 23.09	
22 4,4'-DDD							
1	4.997	5.000	-0.003	112297775H	0.99	0.9155	
2	5.373	5.377	-0.004	56746520H	0.99	1.19	
						RPD = 26.23	
23 Endosulfan II							
1	5.112	5.115	-0.003	123987863H	0.99	0.9842	
2	5.470	5.473	-0.003	67212999H	0.99	1.21	
						RPD = 20.41	
25 Endrin aldehyde							
1	5.283	5.287	-0.004	102320542H	0.99	1.00	
2	5.552	5.555	-0.003	51033023H	0.99	1.18	
						RPD = 15.82	
26 4,4'-DDT							
1	5.207	5.210	-0.003	70060872H	0.99	0.8556	
2	5.602	5.605	-0.003	23327271H	0.99	0.9561	
						RPD = 11.10	
27 Endosulfan sulfate							
1	5.432	5.435	-0.003	113624908H	0.99	0.99	
2	5.762	5.765	-0.003	54954279H	0.99	1.10	
						RPD = 10.55	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.700	5.703	-0.003	222627549H	5.00	4.64	
2	5.922	5.925	-0.003	80753250H	5.00	4.68	
						RPD = 0.91	
29 Endrin ketone							
1	5.870	5.873	-0.003	127164758H	1.00	0.9884	
2	6.068	6.072	-0.004	58271695H	1.00	0.9803	
						RPD = 0.82	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.618	6.622	-0.004	228076234H	2.00	2.06	
2	7.150	7.153	-0.003	99969537H	2.00	2.21	
						RPD = 7.46	
S 32 Total DDTs							
1						0.8556	
2						0.9561	
						RPD = 11.10	
S 33 Endosulfan, Total							
1						1.50	
2						1.78	
						RPD = 16.93	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCS_MIXA1_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:15 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.007.D

Injection Date: 14-Dec-2023 04:47:00 Instrument ID: 9147

Lims ID: ic mixa1

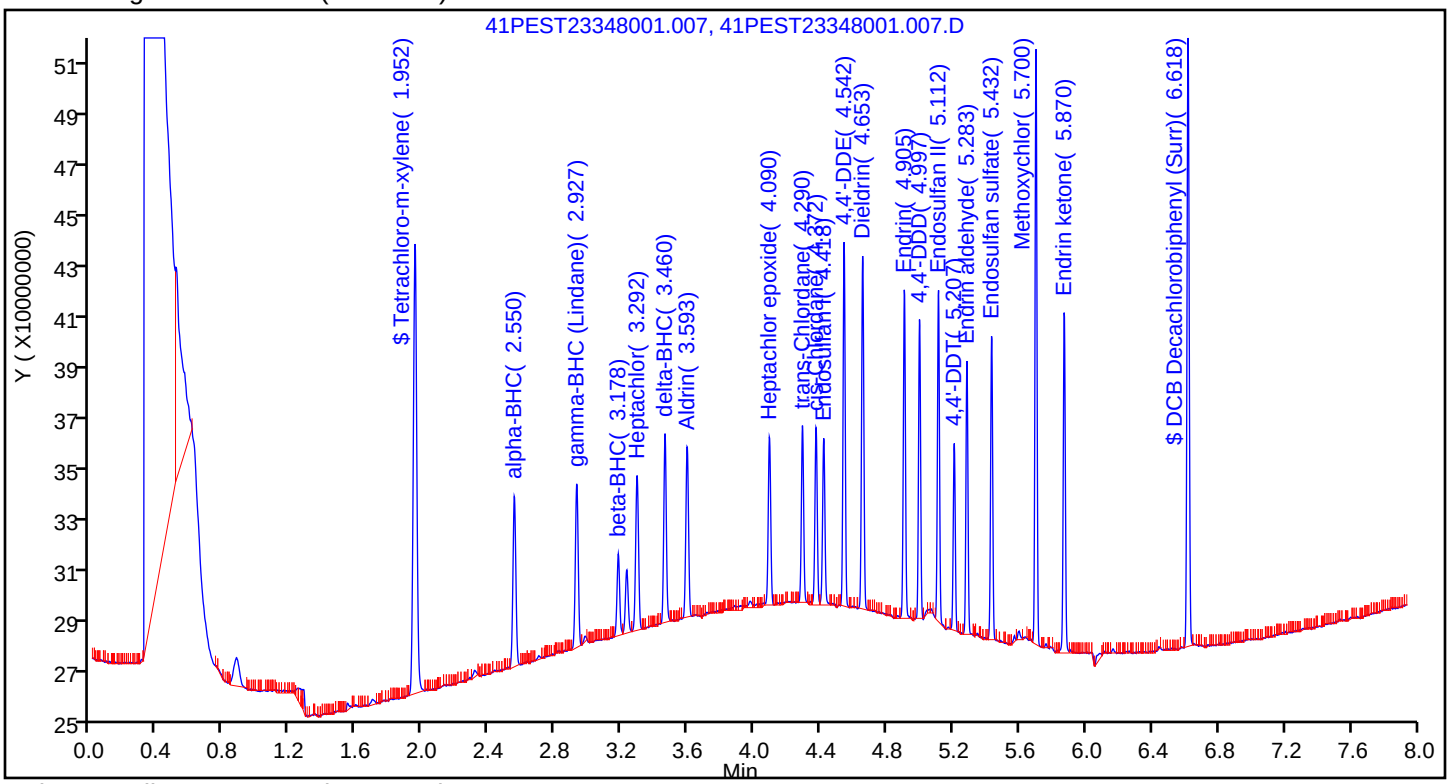
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

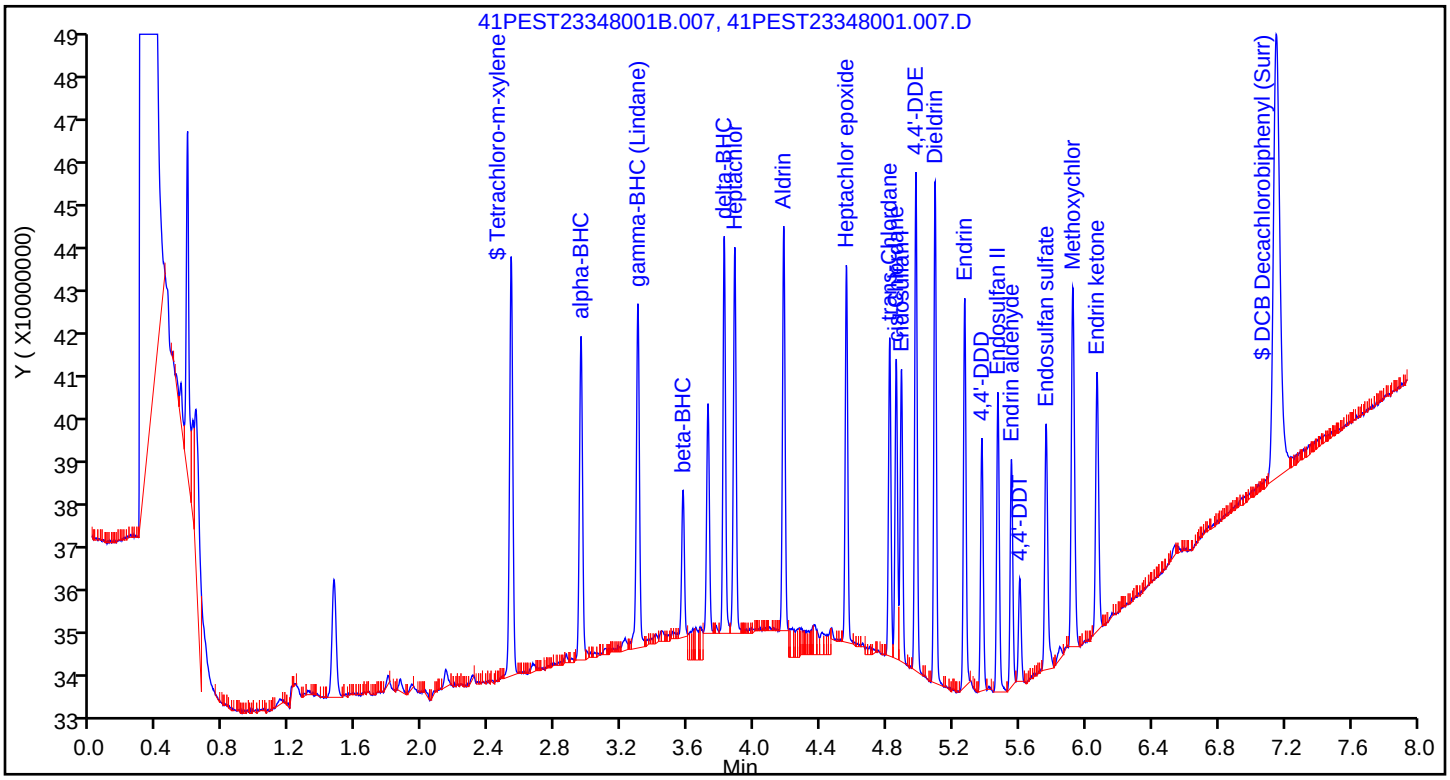
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC

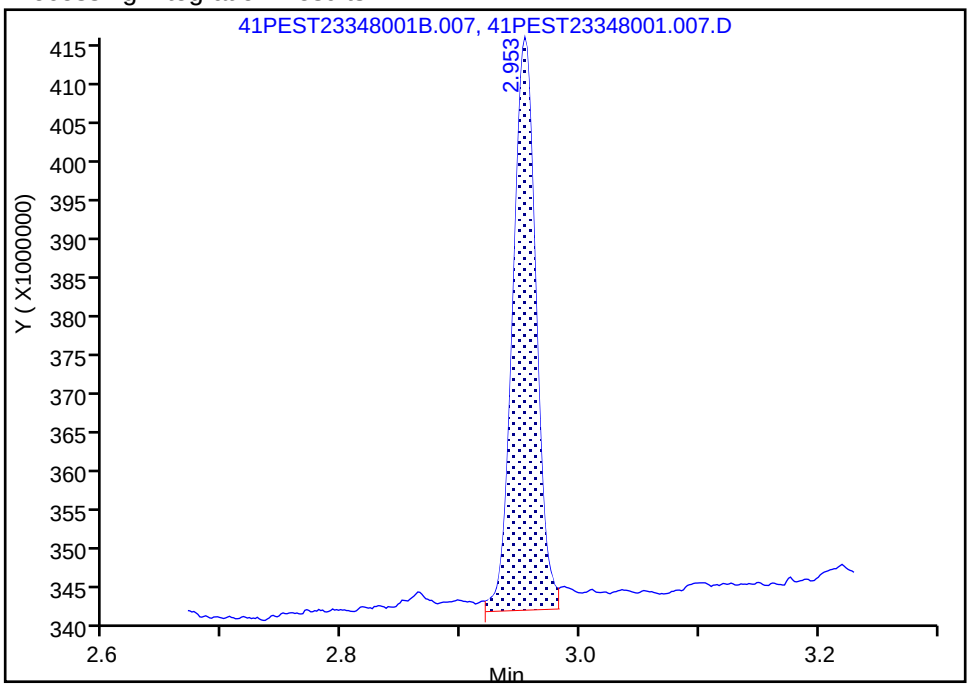
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Injection Date:	14-Dec-2023 04:47:00	Instrument ID:	9147		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

2 alpha-BHC, CAS: 319-84-6

Signal: 1

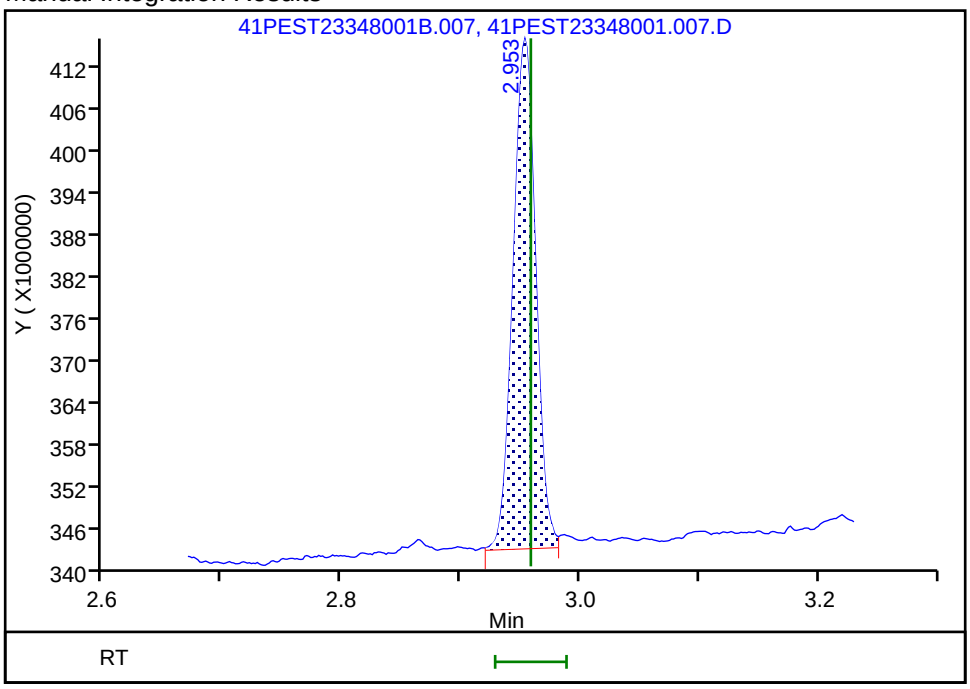
Processing Integration Results

RT: 2.95
Height: 73610410
Amount: 0.512391
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Height: 72685541
Amount: 0.507050
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:16 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

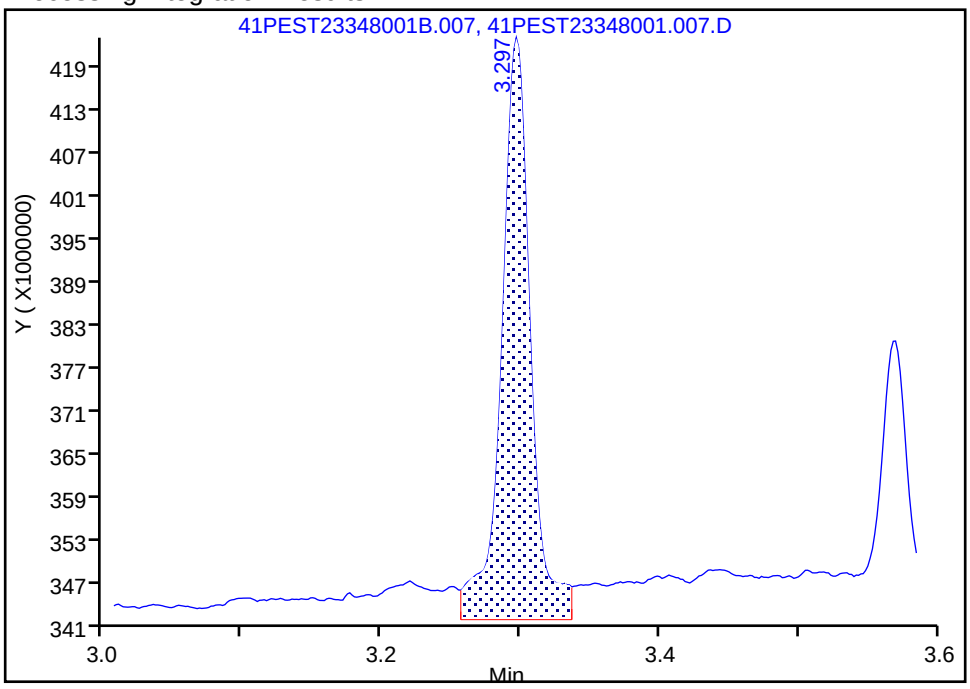
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Injection Date:	14-Dec-2023 04:47:00	Instrument ID:	9147		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

4 gamma-BHC (Lindane), CAS: 58-89-9

Signal: 1

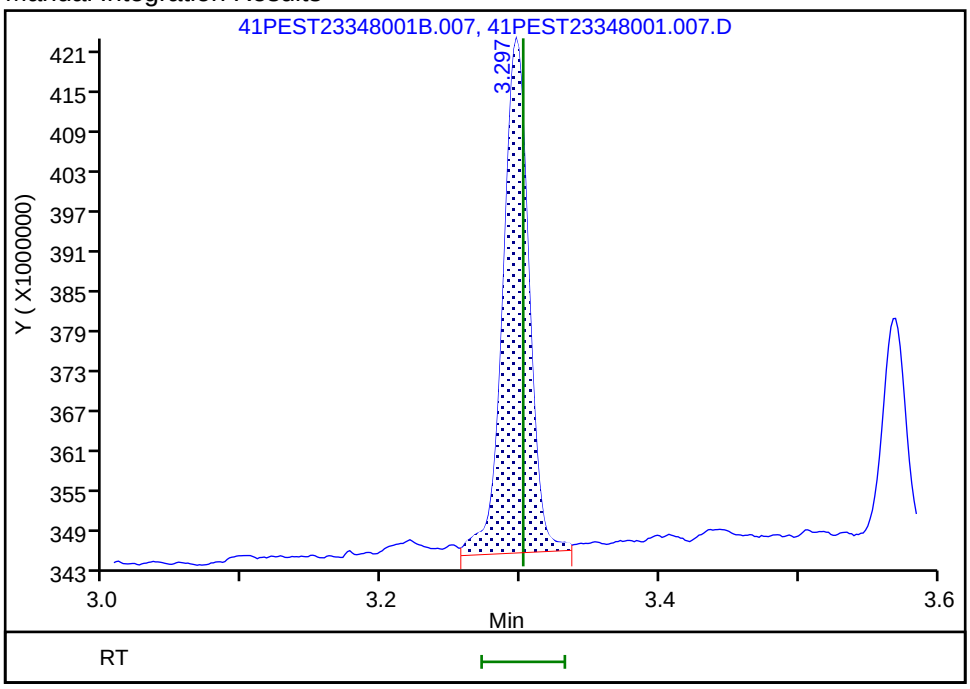
Processing Integration Results

RT: 3.30
Height: 80484454
Amount: 0.536260
Amount Units: ug/l



Manual Integration Results

RT: 3.30
Height: 77155451
Amount: 0.517891
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:16 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC

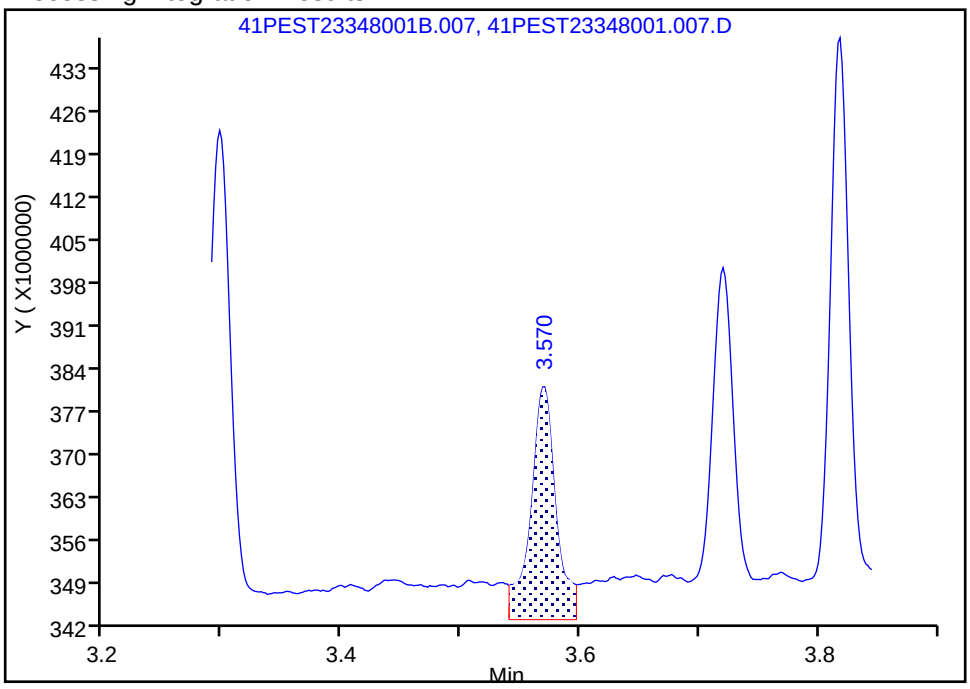
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Injection Date:	14-Dec-2023 04:47:00	Instrument ID:	9147		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

5 beta-BHC, CAS: 319-85-7

Signal: 1

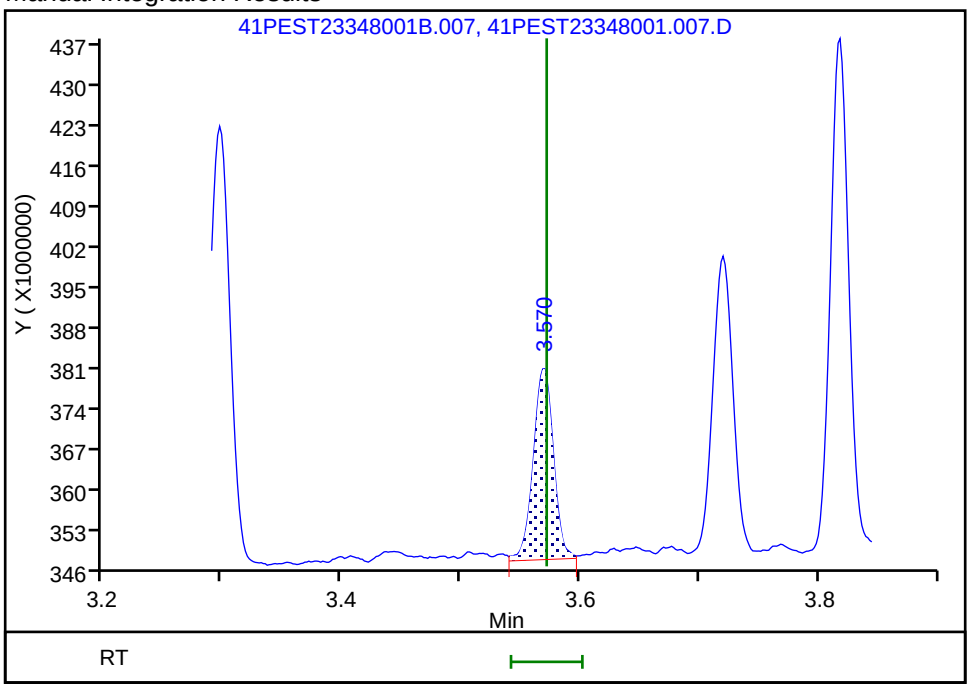
Processing Integration Results

RT: 3.57
Height: 38181965
Amount: 0.637726
Amount Units: ug/l



Manual Integration Results

RT: 3.57
Height: 32938991
Amount: 0.568130
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:16 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

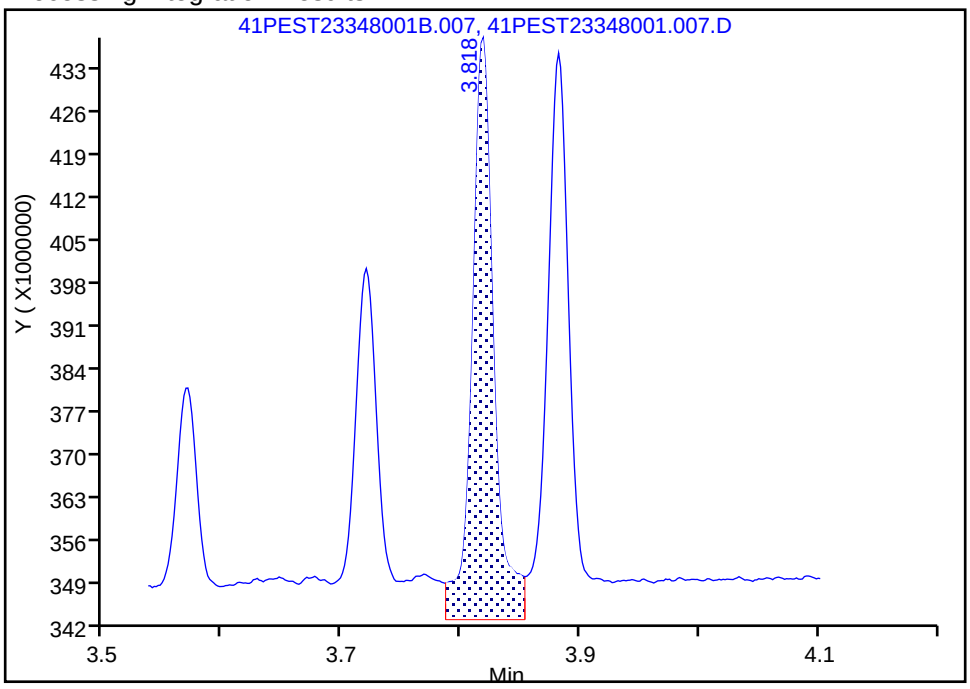
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Injection Date:	14-Dec-2023 04:47:00	Instrument ID:	9147		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

7 delta-BHC, CAS: 319-86-8

Signal: 1

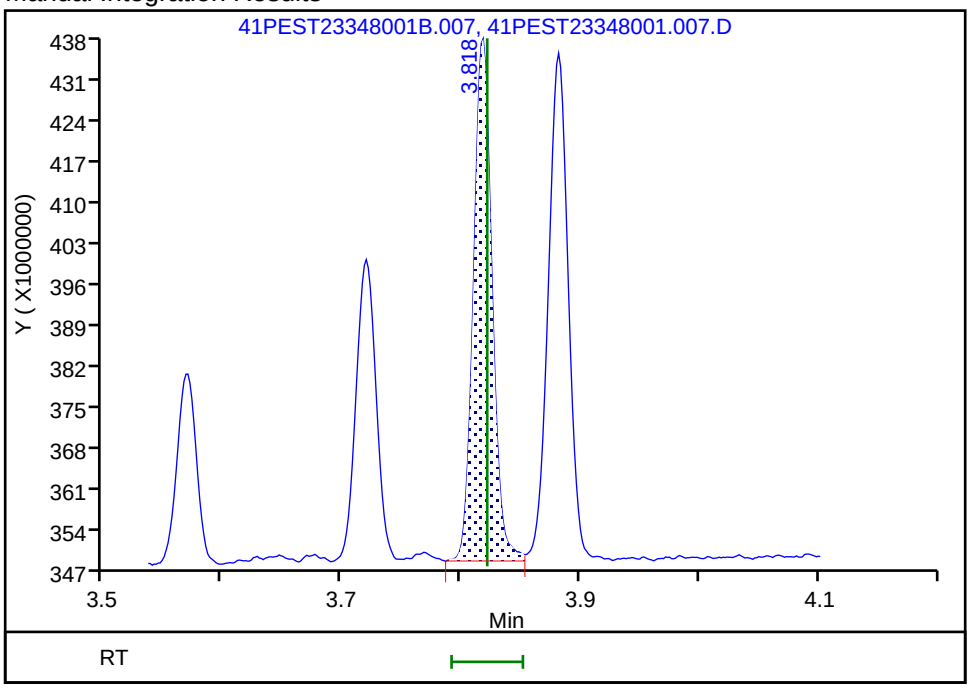
Processing Integration Results

RT: 3.82
Height: 94944549
Amount: 0.515438
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Height: 89048660
Amount: 0.490002
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:18 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC

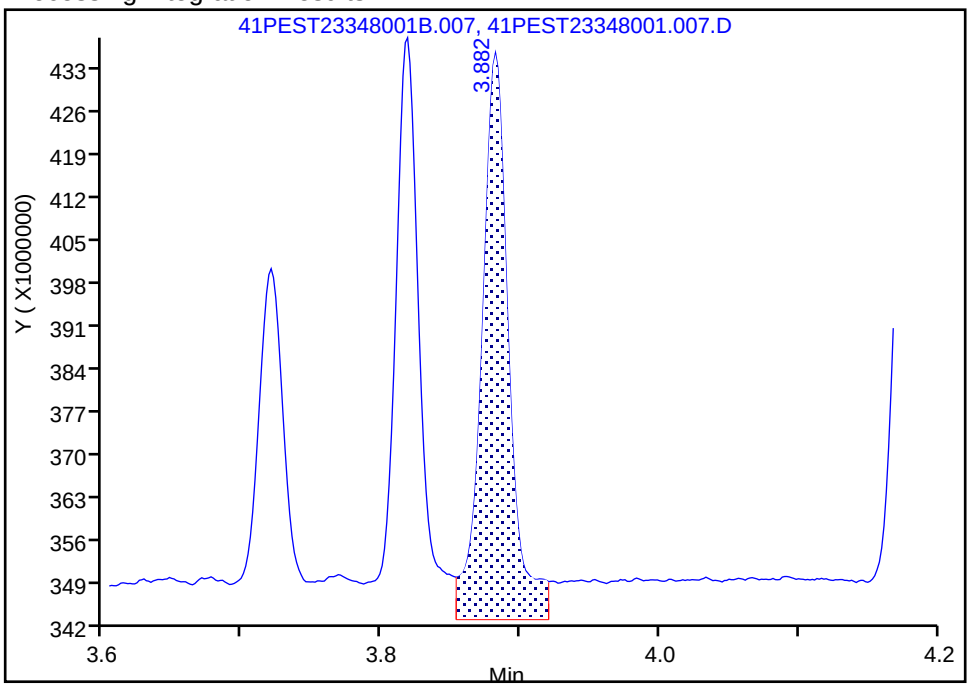
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Injection Date:	14-Dec-2023 04:47:00	Instrument ID:	9147		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

8 Heptachlor, CAS: 76-44-8

Signal: 1

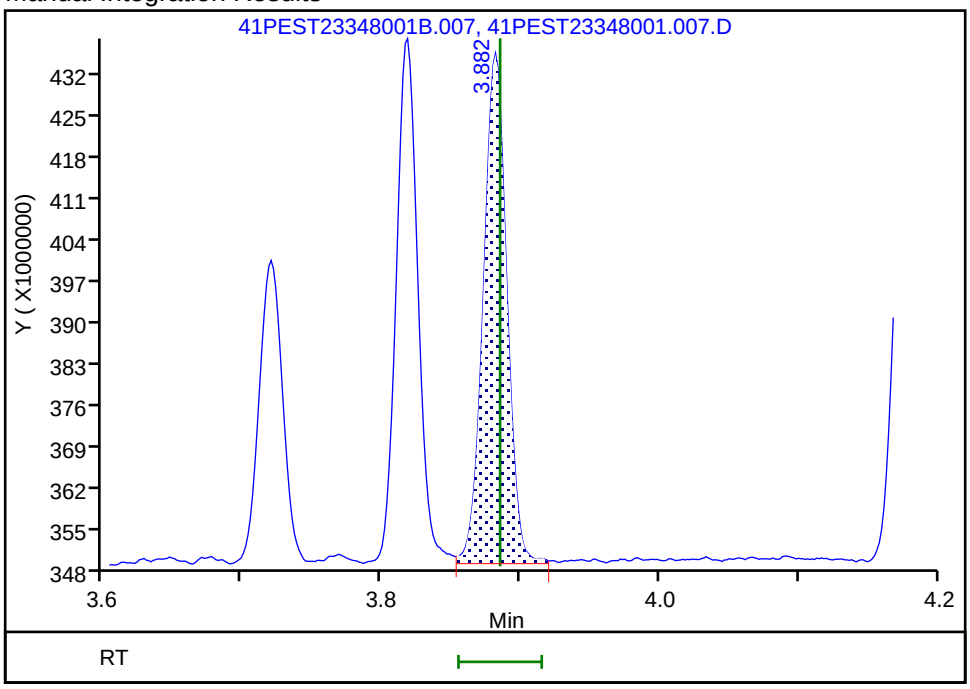
Processing Integration Results

RT: 3.88
Height: 92361366
Amount: 0.559025
Amount Units: ug/l



Manual Integration Results

RT: 3.88
Height: 86508179
Amount: 0.531775
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:18 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC

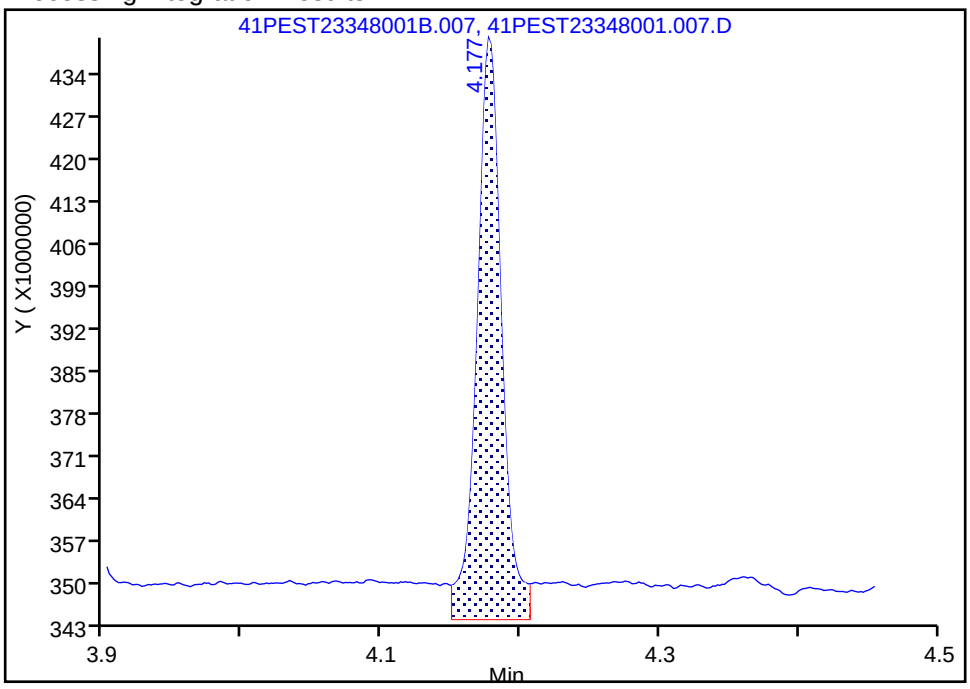
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Injection Date:	14-Dec-2023 04:47:00	Instrument ID:	9147		
Lims ID:	ic mixa1				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

9 Aldrin, CAS: 309-00-2

Signal: 1

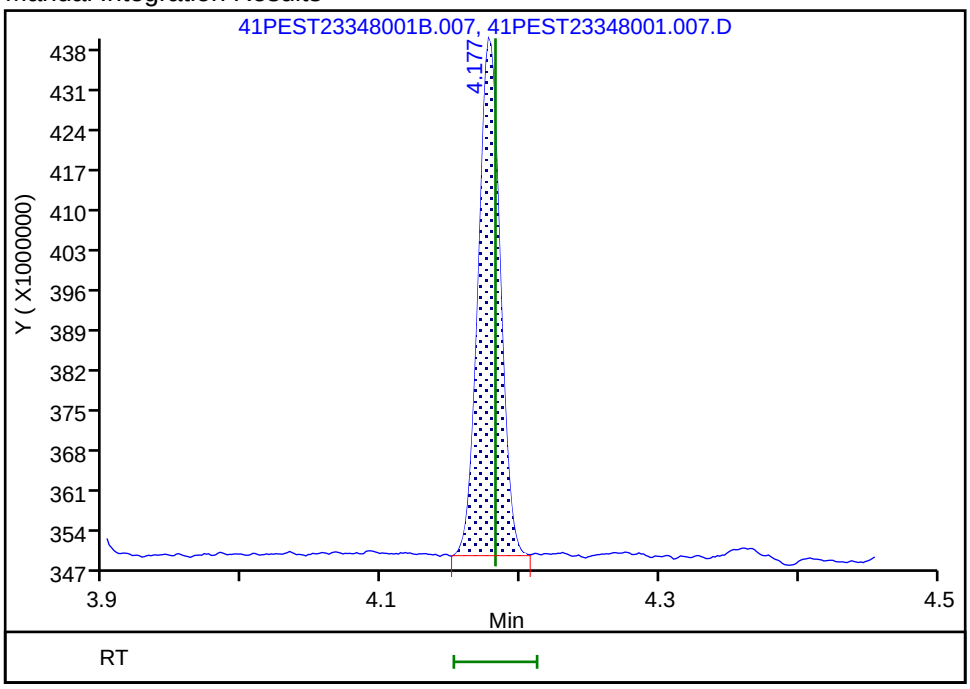
Processing Integration Results

RT: 4.18
Height: 96721275
Amount: 0.551151
Amount Units: ug/l



Manual Integration Results

RT: 4.18
Height: 91066991
Amount: 0.527106
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:18 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC

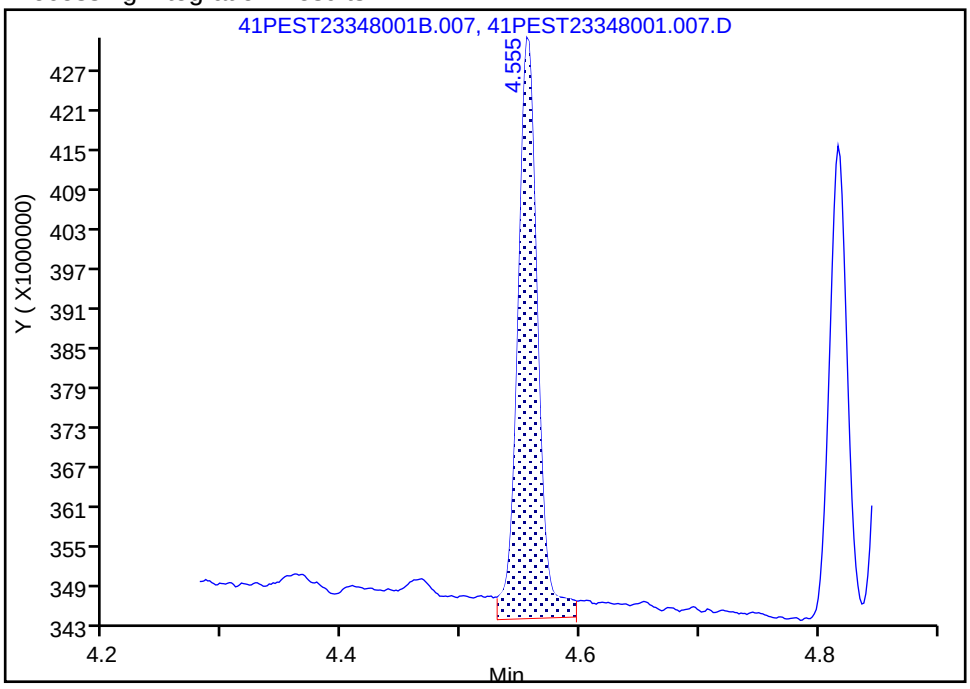
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Injection Date: 14-Dec-2023 04:47:00 Instrument ID: 9147
Lims ID: ic mixa1
Client ID:
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: PEST_9147 Limit Group: GCSV - 8081B
Column: Agilent DB-CLP2 (0.32 mm) Detector 2BECDB

11 Heptachlor epoxide, CAS: 1024-57-3

Signal: 1

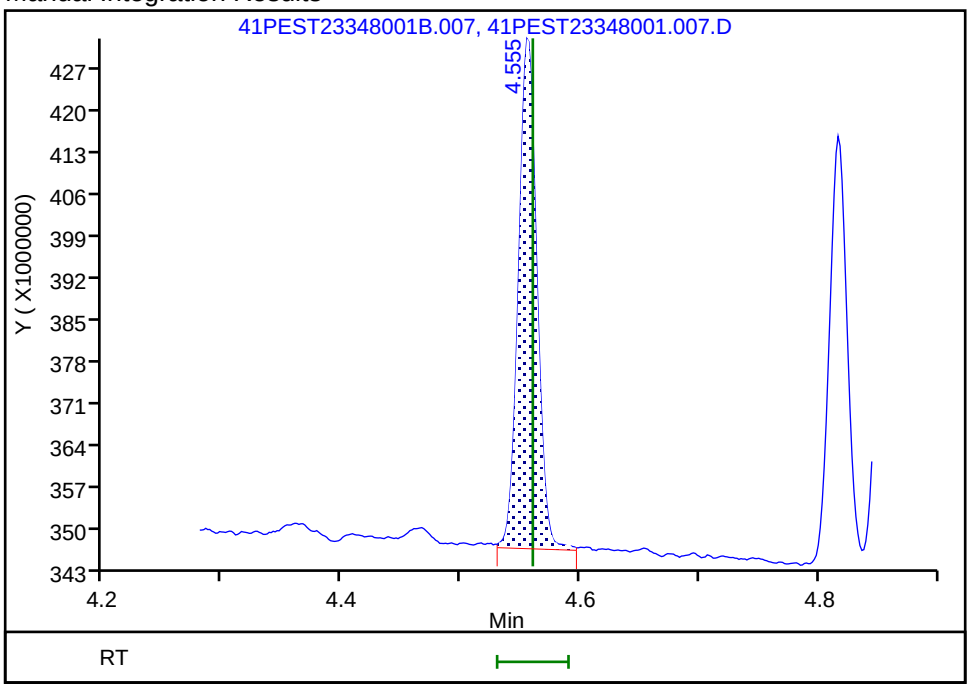
Processing Integration Results

RT: 4.56
Height: 87401835
Amount: 0.570296
Amount Units: ug/l



Manual Integration Results

RT: 4.56
Height: 84850738
Amount: 0.559384
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:20 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D
Lims ID: ic 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Dec-2023 05:01:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:20 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 09:18:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.953	1.955	-0.002	324976908H	4.02	3.92	
2	2.533	2.535	-0.002	174893940H	4.02	4.41	
						RPD = 11.68	
2 alpha-BHC							
1	2.553	2.555	-0.002	120290314H	1.00	0.9240	
2	2.955	2.958	-0.003	142492073H	1.00	0.99	
						RPD = 7.30	
4 gamma-BHC (Lindane)							
1	2.930	2.932	-0.002	120443911H	1.01	0.9775	
2	3.298	3.302	-0.004	149624163H	1.01	1.00	
						RPD = 2.71	
5 beta-BHC							M
1	3.180	3.182	-0.002	59793499H	1.01	1.09	
2	3.572	3.572	0.000	63838207H	1.01	1.10	M
						RPD = 0.80	
7 delta-BHC							M
1	3.463	3.463	0.000	138167184H	1.00	0.9423	
2	3.822	3.822	0.000	168561877H	1.00	0.9275	M
						RPD = 1.58	
8 Heptachlor							M
1	3.295	3.295	0.000	116342813H	1.00	1.01	
2	3.885	3.885	0.000	160367167H	1.00	0.9858	M
						RPD = 2.53	
9 Aldrin							M
1	3.597	3.598	-0.001	128856698H	1.00	0.99	
2	4.180	4.182	-0.002	175556845H	1.00	1.02	M
						RPD = 2.52	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							M
1	4.093	4.095	-0.002	122671418H	1.01	0.99	
2	4.558	4.560	-0.002	160337083H	1.01	1.06	M
						RPD = 6.06	
13 trans-Chlordane							M
1	4.293	4.293	0.000	127709441H	1.00	0.9662	
2	4.820	4.820	0.000	132628596H	1.00	1.08	M
						RPD = 10.72	
14 cis-Chlordane							M
1	4.375	4.375	0.000	130101441H	1.01	1.00	
2	4.860	4.860	0.000	130927865H	1.01	1.10	M
						RPD = 8.94	
15 Endosulfan I							M
1	4.422	4.422	0.000	117502049H	1.01	0.9711	
2	4.890	4.892	-0.002	131051224H	1.01	1.14	M
						RPD = 15.66	
16 4,4'-DDE							M
1	4.545	4.545	0.000	271177073H	2.01	1.87	
2	4.978	4.980	-0.002	210852246H	2.01	2.12	M
						RPD = 12.75	
18 Dieldrin							
1	4.657	4.657	0.000	257949876H	2.00	1.80	
2	5.093	5.095	-0.002	210442474H	2.00	2.18	
						RPD = 19.01	
19 Endrin							
1	4.908	4.908	0.000	238804140H	2.00	1.89	
2	5.272	5.273	-0.001	163863852H	2.00	2.30	
						RPD = 19.63	
22 4,4'-DDD							
1	5.000	5.000	0.000	226636044H	2.00	1.85	
2	5.377	5.377	0.000	109980711H	2.00	2.31	
						RPD = 22.24	
23 Endosulfan II							
1	5.113	5.115	-0.002	238970678H	2.00	1.90	
2	5.473	5.473	0.000	124523075H	2.00	2.24	
						RPD = 16.50	
25 Endrin aldehyde							
1	5.287	5.287	0.000	195185952H	2.00	1.92	
2	5.555	5.555	0.000	97370094H	2.00	2.24	
						RPD = 15.84	
26 4,4'-DDT							
1	5.208	5.210	-0.002	137831925H	2.00	1.68	
2	5.605	5.605	0.000	46082633H	2.00	1.89	
						RPD = 11.51	
27 Endosulfan sulfate							
1	5.435	5.435	0.000	224837148H	2.00	1.96	
2	5.763	5.765	-0.002	104152957H	2.00	2.09	
						RPD = 6.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.702	5.703	-0.001	454438901H	10.1	9.46	
2	5.925	5.925	0.000	159616205H	10.1	9.25	
						RPD = 2.31	
29 Endrin ketone							
1	5.873	5.873	0.000	246768500H	2.01	1.92	
2	6.072	6.072	0.000	114443736H	2.01	1.93	
						RPD = 0.38	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.620	6.622	-0.002	437279997H	4.03	3.94	
2	7.155	7.153	0.002	184801707H	4.03	4.09	
						RPD = 3.82	
S 32 Total DDTs							
1						1.68	
2						1.89	
						RPD = 11.51	
S 33 Endosulfan, Total							
1						2.87	
2						3.37	
						RPD = 16.21	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

M - Manually Integrated

Reagents:

GCS_MIXA2_00010 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:21 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D

Injection Date: 14-Dec-2023 05:01:00 Instrument ID: 9147

Lims ID: ic 2

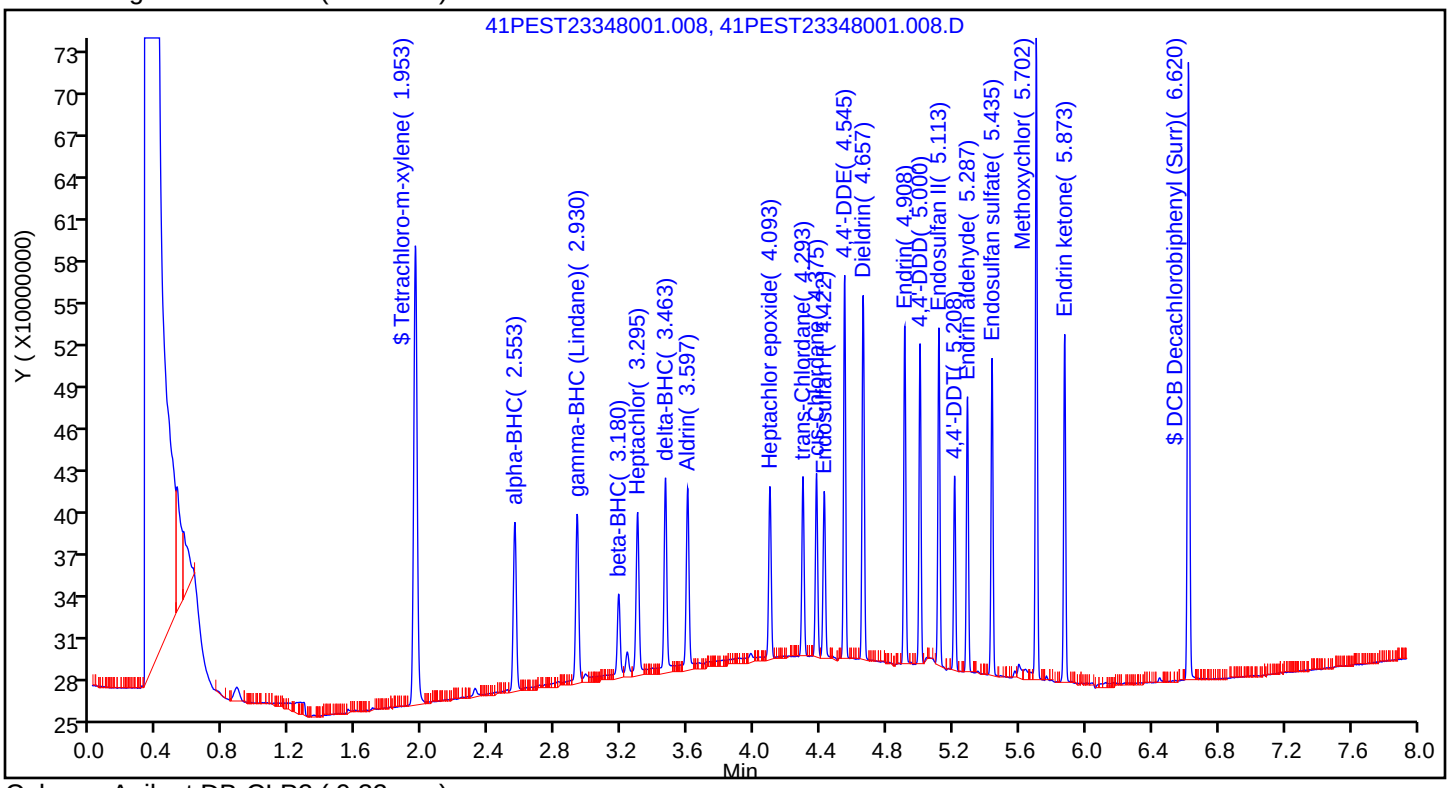
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

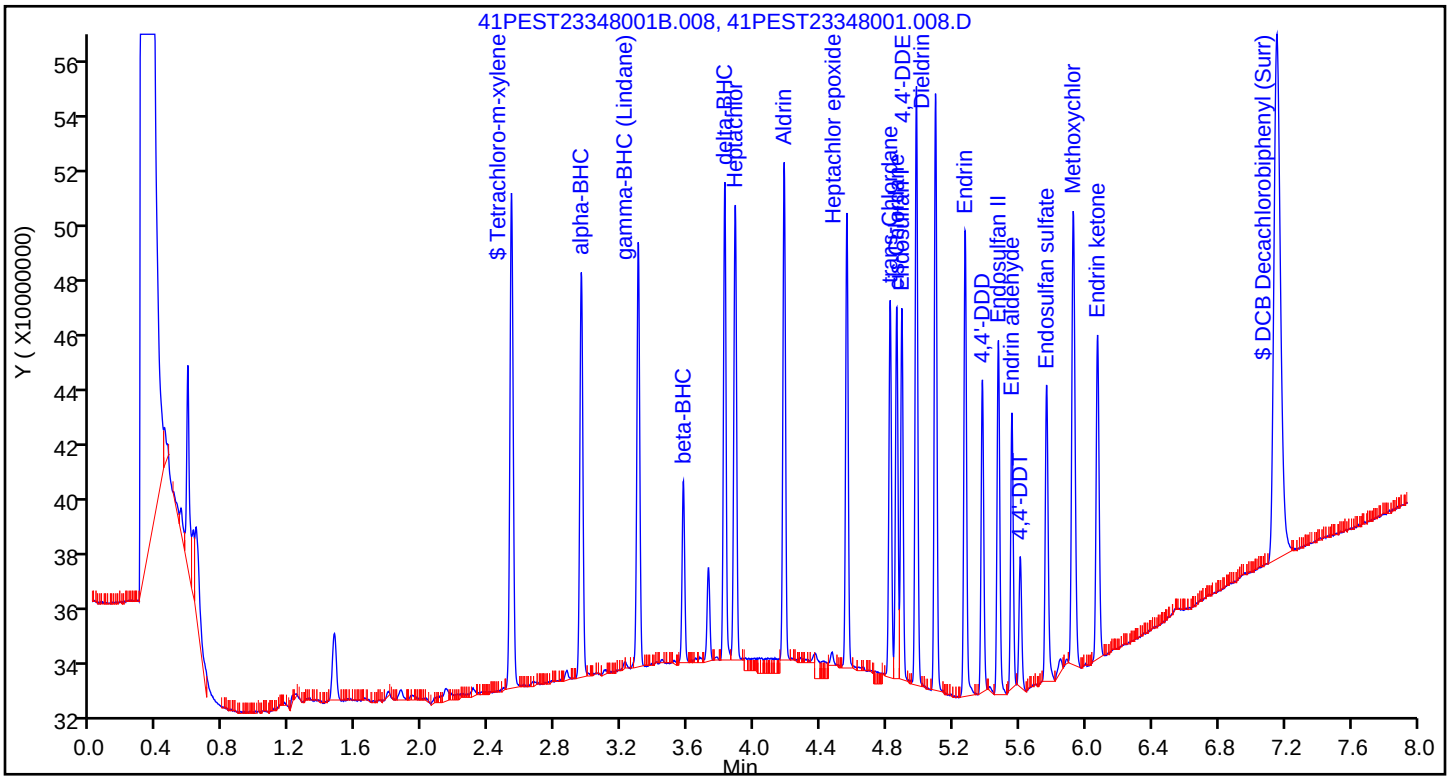
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC

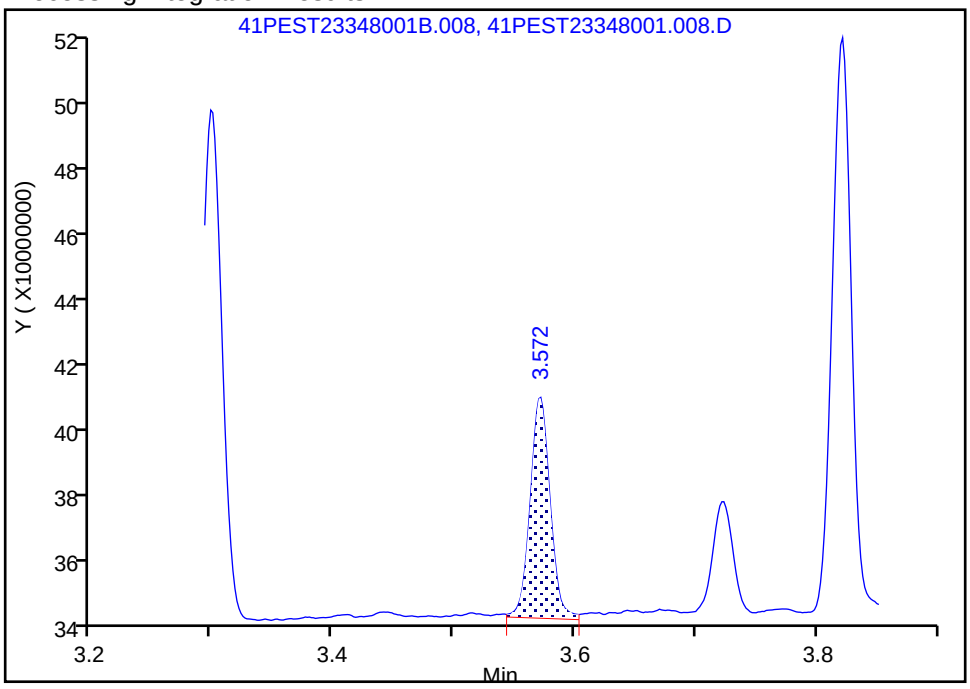
Data File:	\\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D				
Injection Date:	14-Dec-2023 05:01:00	Instrument ID:	9147		
Lims ID:	ic 2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

5 beta-BHC, CAS: 319-85-7

Signal: 1

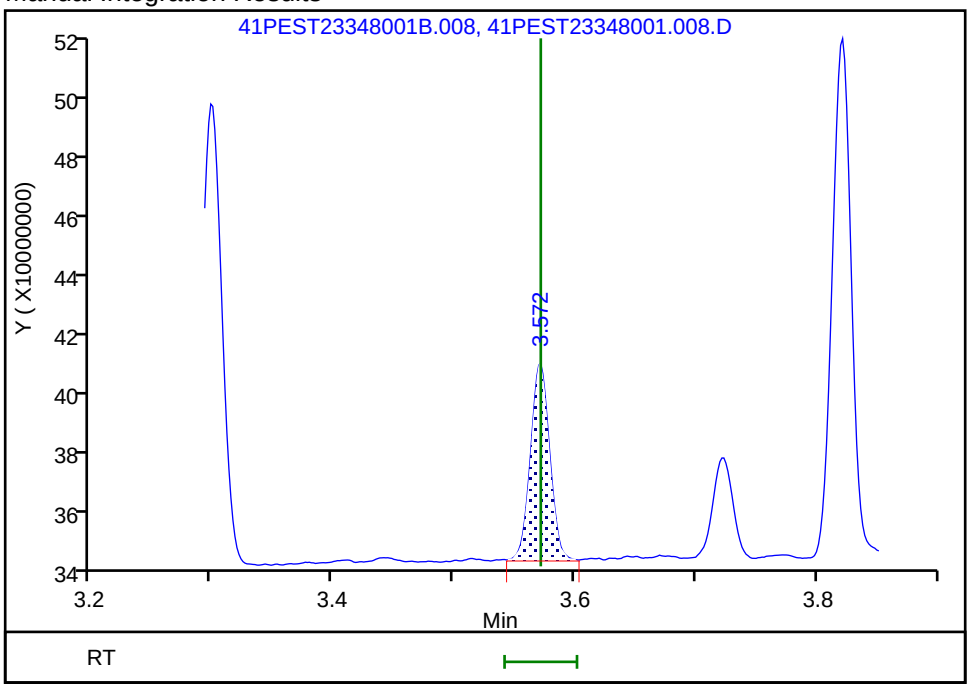
Processing Integration Results

RT: 3.57
Height: 64775028
Amount: 1.114273
Amount Units: ug/l



Manual Integration Results

RT: 3.57
Height: 63838207
Amount: 1.101079
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:52 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

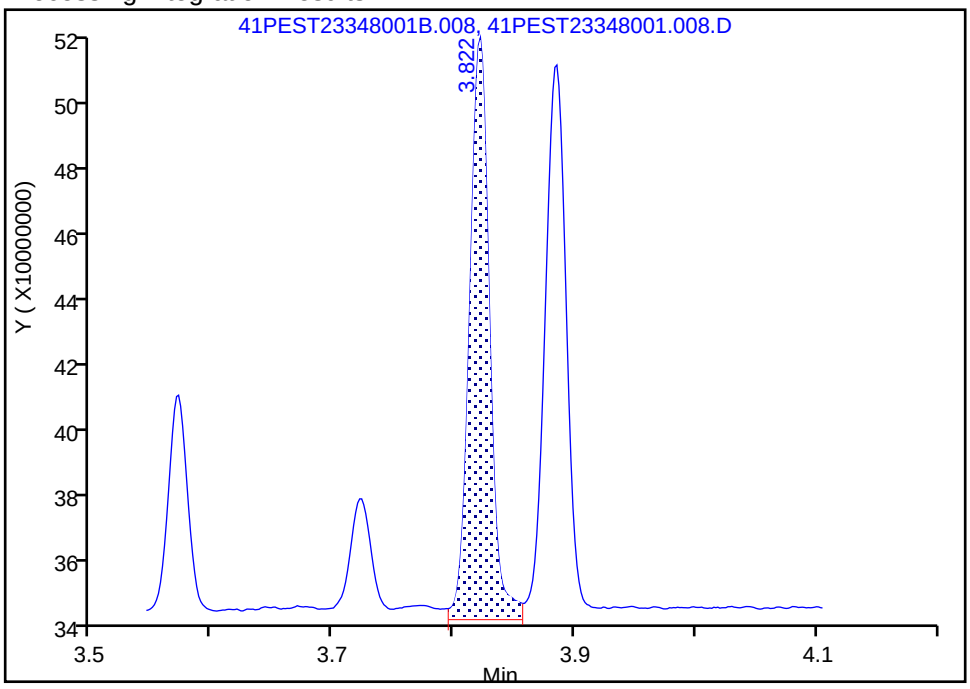
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Injection Date:	14-Dec-2023 05:01:00	Instrument ID:	9147		
Lims ID:	ic 2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

7 delta-BHC, CAS: 319-86-8

Signal: 1

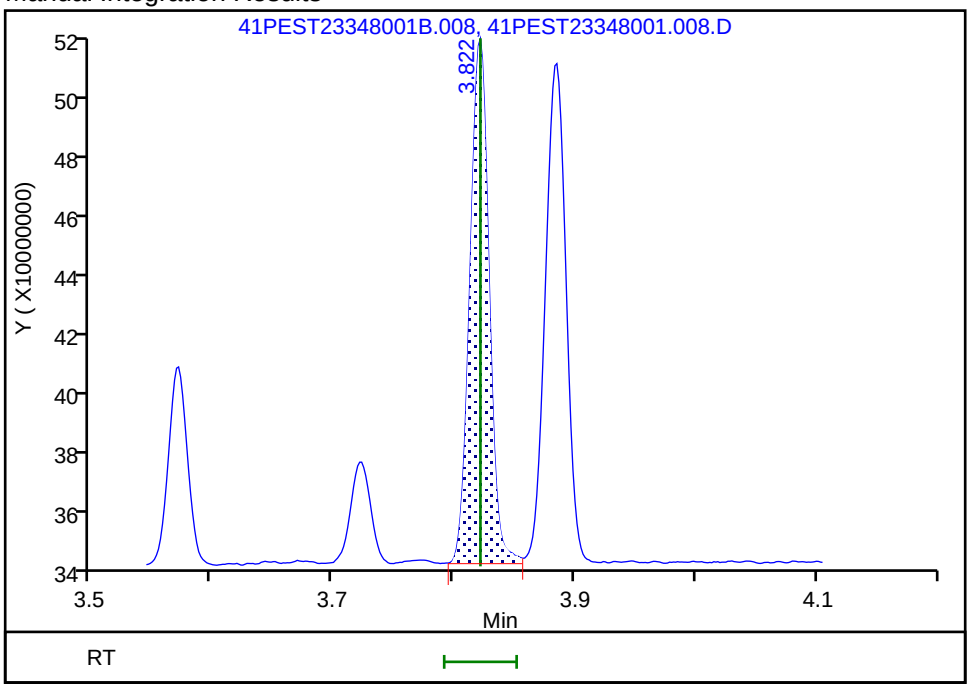
Processing Integration Results

RT: 3.82
Height: 171497659
Amount: 0.941155
Amount Units: ug/l



Manual Integration Results

RT: 3.82
Height: 168561877
Amount: 0.927534
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:52 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC

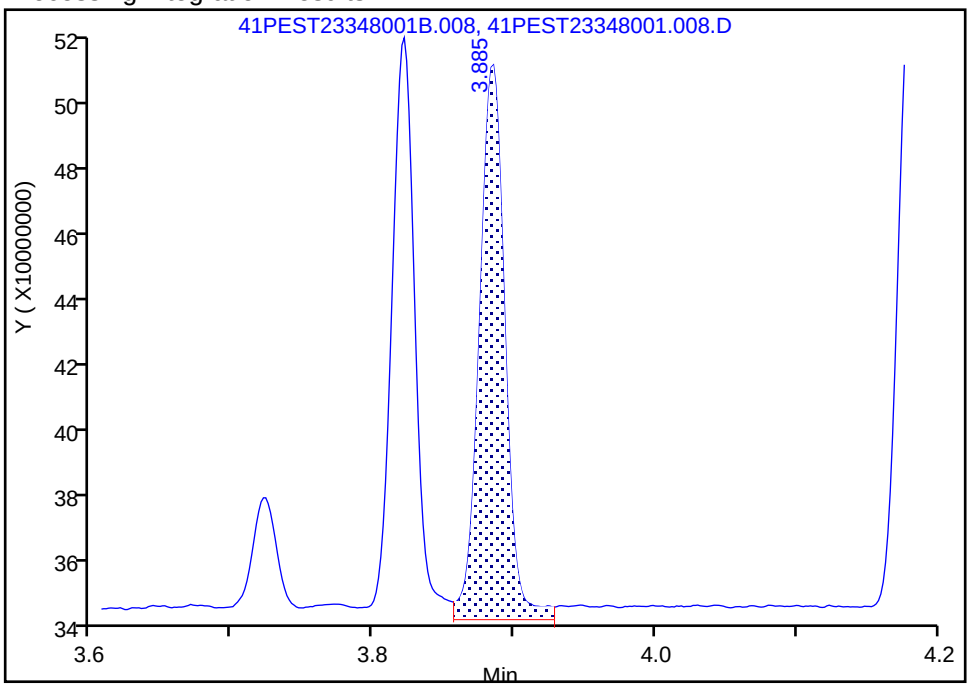
Data File:	\\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D				
Injection Date:	14-Dec-2023 05:01:00	Instrument ID:	9147		
Lims ID:	ic 2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

8 Heptachlor, CAS: 76-44-8

Signal: 1

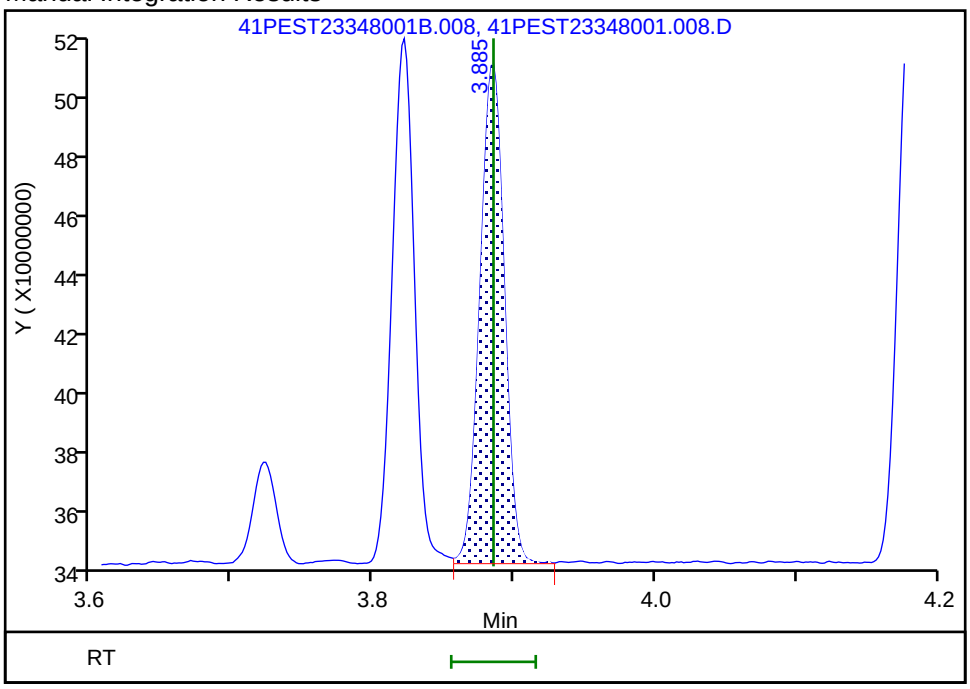
Processing Integration Results

RT: 3.89
Height: 163809352
Amount: 1.003415
Amount Units: ug/l



Manual Integration Results

RT: 3.89
Height: 160367167
Amount: 0.985794
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:52 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

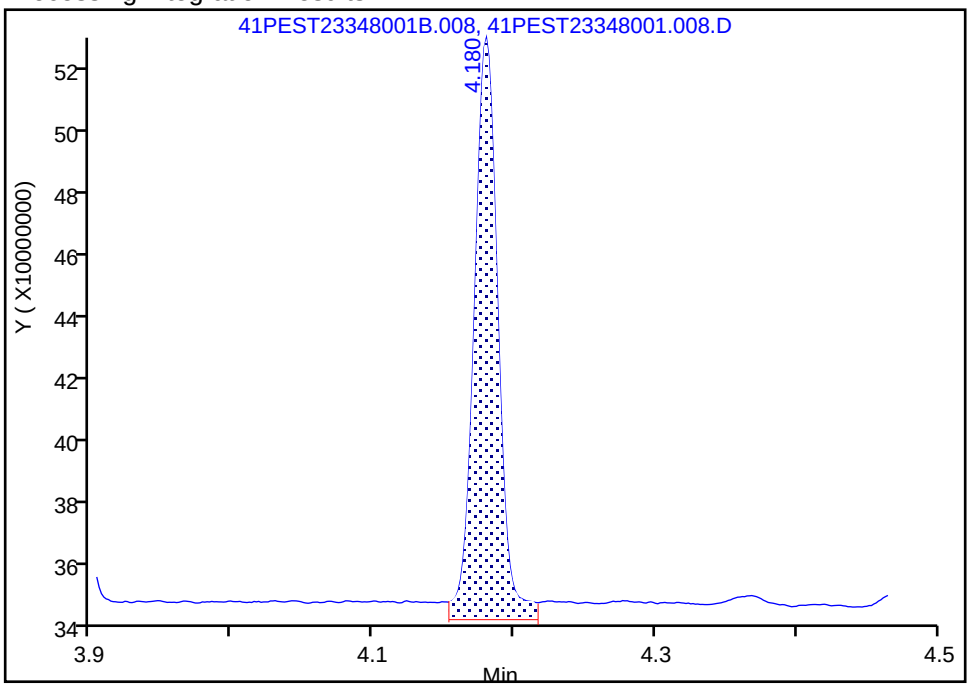
Data File:	\\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D				
Injection Date:	14-Dec-2023 05:01:00	Instrument ID:	9147		
Lims ID:	ic 2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

9 Aldrin, CAS: 309-00-2

Signal: 1

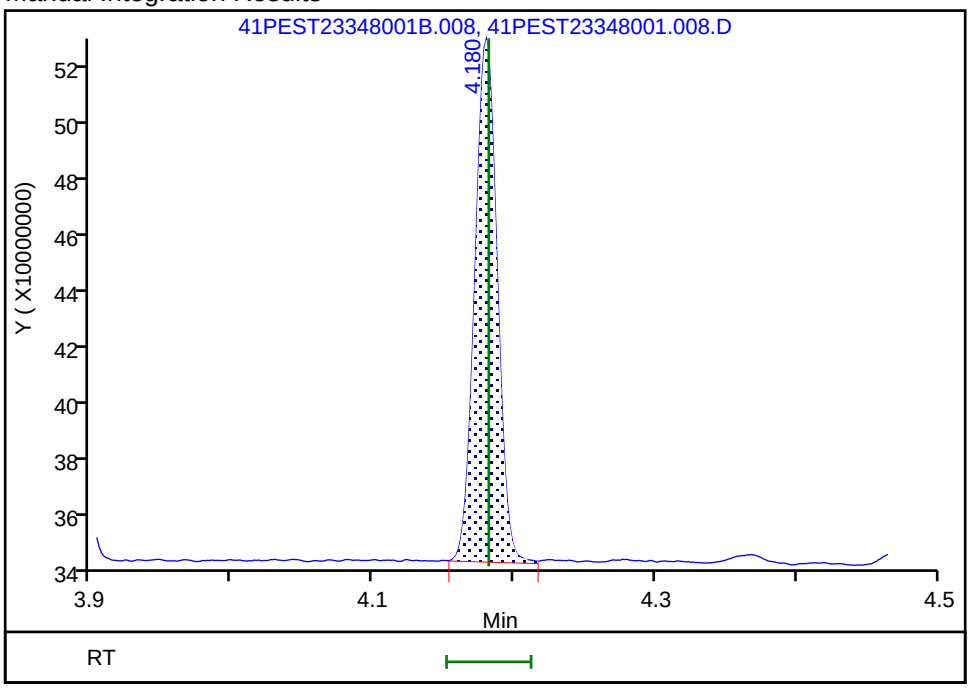
Processing Integration Results

RT: 4.18
Height: 180487741
Amount: 1.039737
Amount Units: ug/l



Manual Integration Results

RT: 4.18
Height: 175556845
Amount: 1.016142
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:54 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

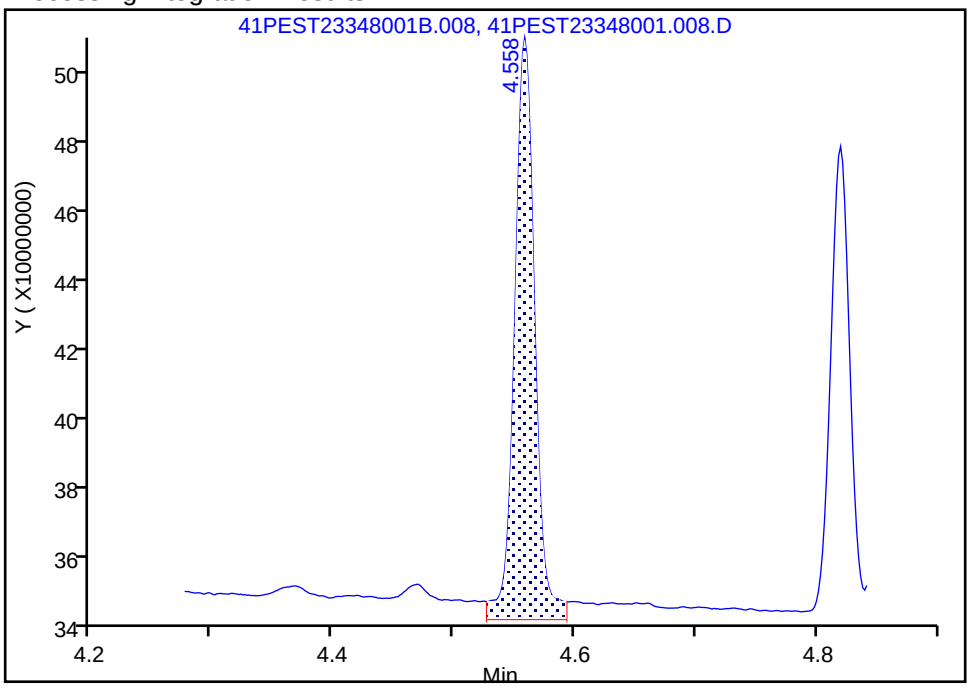
Data File:	\\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D				
Injection Date:	14-Dec-2023 05:01:00	Instrument ID:	9147		
Lims ID:	ic 2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

11 Heptachlor epoxide, CAS: 1024-57-3

Signal: 1

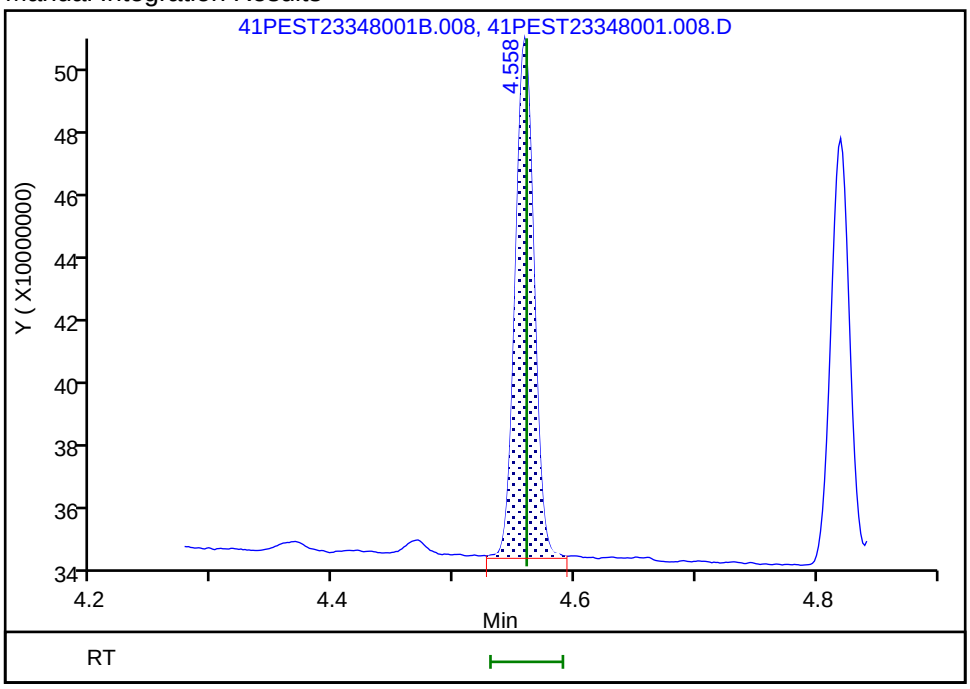
Processing Integration Results

RT: 4.56
Height: 164736905
Amount: 1.080877
Amount Units: ug/l



Manual Integration Results

RT: 4.56
Height: 160337083
Amount: 1.057032
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:56 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

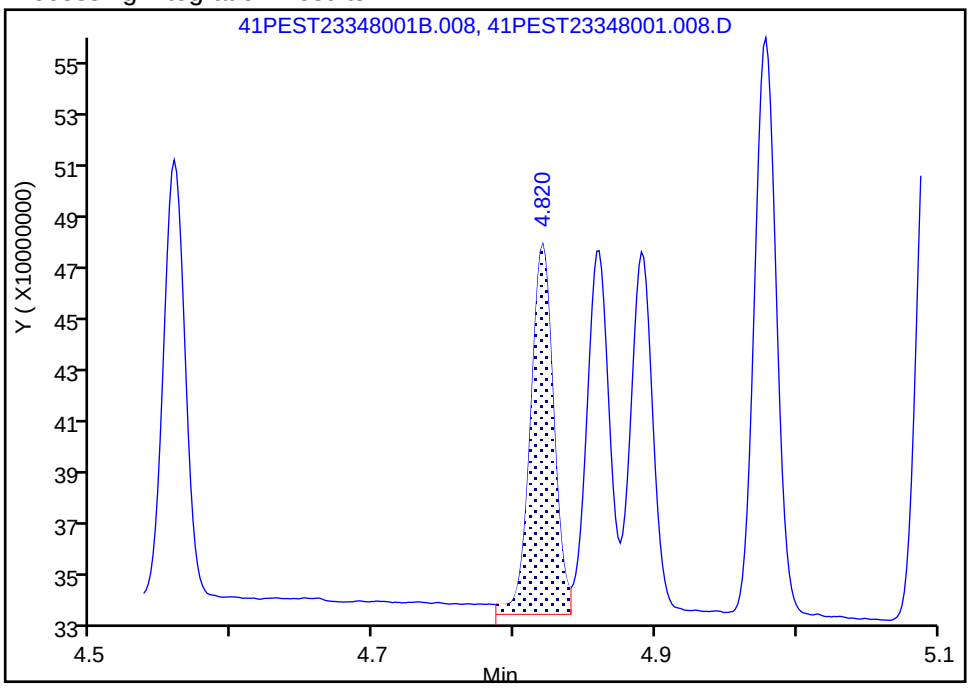
Data File:	\\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D				
Injection Date:	14-Dec-2023 05:01:00	Instrument ID:	9147		
Lims ID:	ic 2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

13 trans-Chlordane, CAS: 5103-74-2

Signal: 1

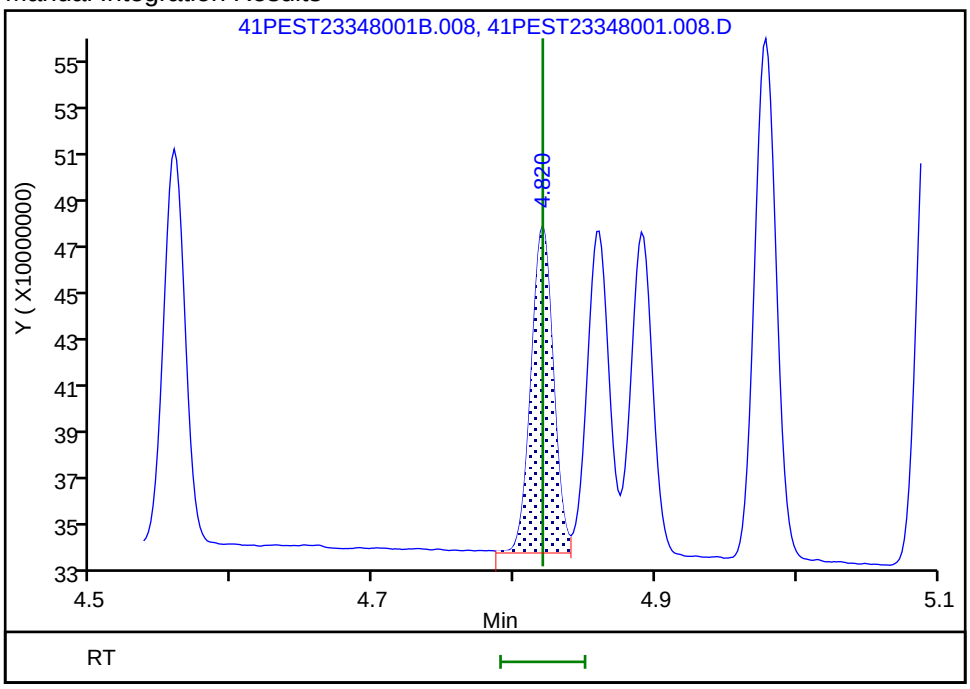
Processing Integration Results

RT: 4.82
Height: 135421473
Amount: 1.094071
Amount Units: ug/l



Manual Integration Results

RT: 4.82
Height: 132628596
Amount: 1.075552
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:58 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC

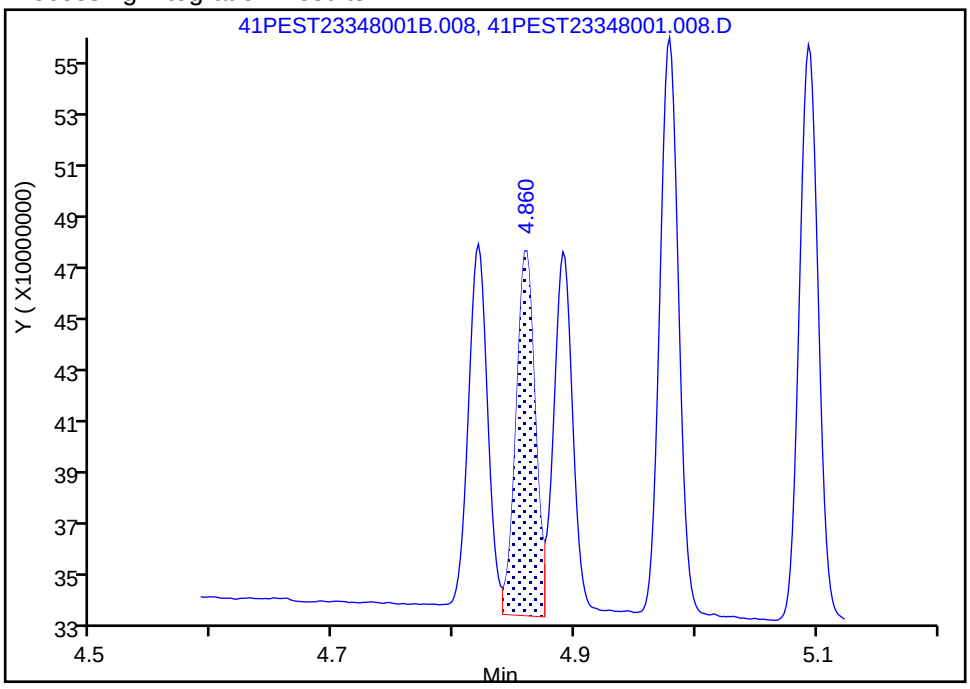
Data File:	\\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D				
Injection Date:	14-Dec-2023 05:01:00	Instrument ID:	9147		
Lims ID:	ic 2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

14 cis-Chlordane, CAS: 5103-71-9

Signal: 1

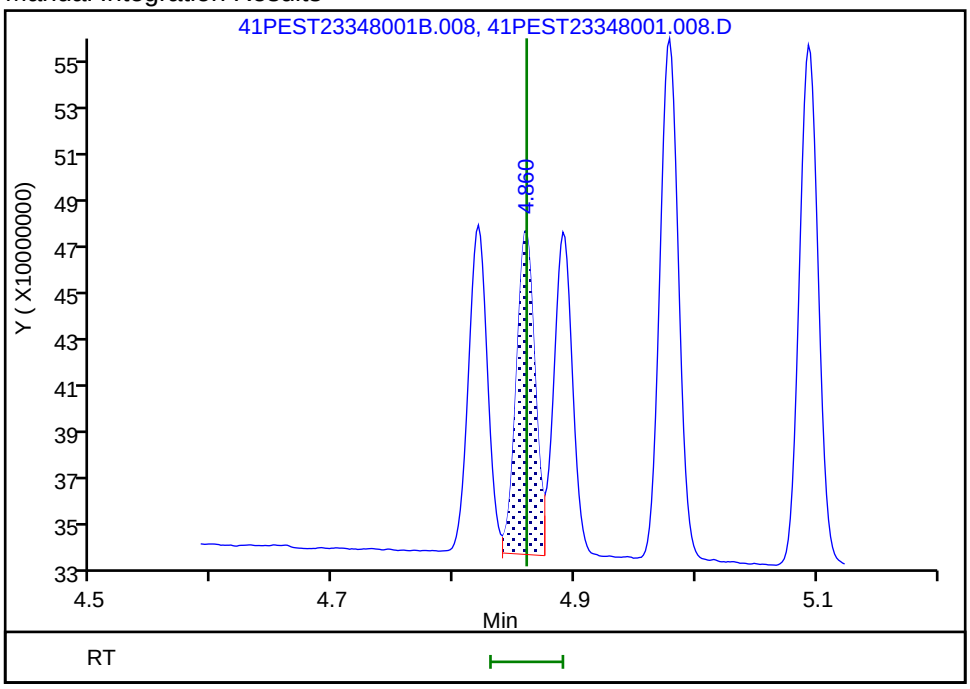
Processing Integration Results

RT: 4.86
Height: 133221260
Amount: 1.113740
Amount Units: ug/l



Manual Integration Results

RT: 4.86
Height: 130927865
Amount: 1.098033
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:58 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC

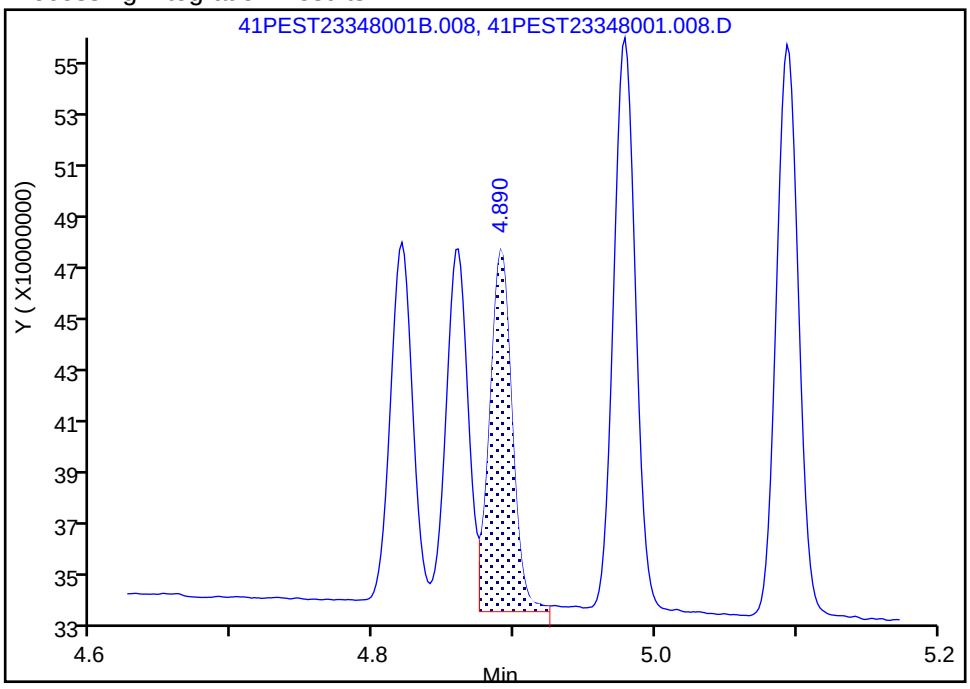
Data File:	\\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D				
Injection Date:	14-Dec-2023 05:01:00	Instrument ID:	9147		
Lims ID:	ic 2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

15 Endosulfan I, CAS: 959-98-8

Signal: 1

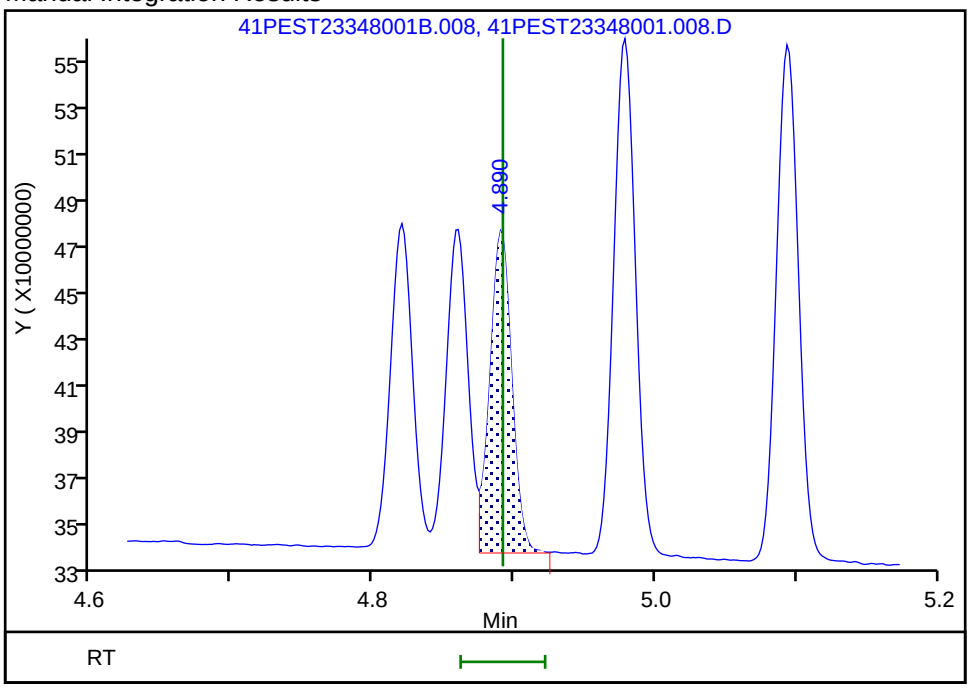
Processing Integration Results

RT: 4.89
Height: 132970005
Amount: 1.149495
Amount Units: ug/l



Manual Integration Results

RT: 4.89
Height: 131051224
Amount: 1.136010
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:58 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

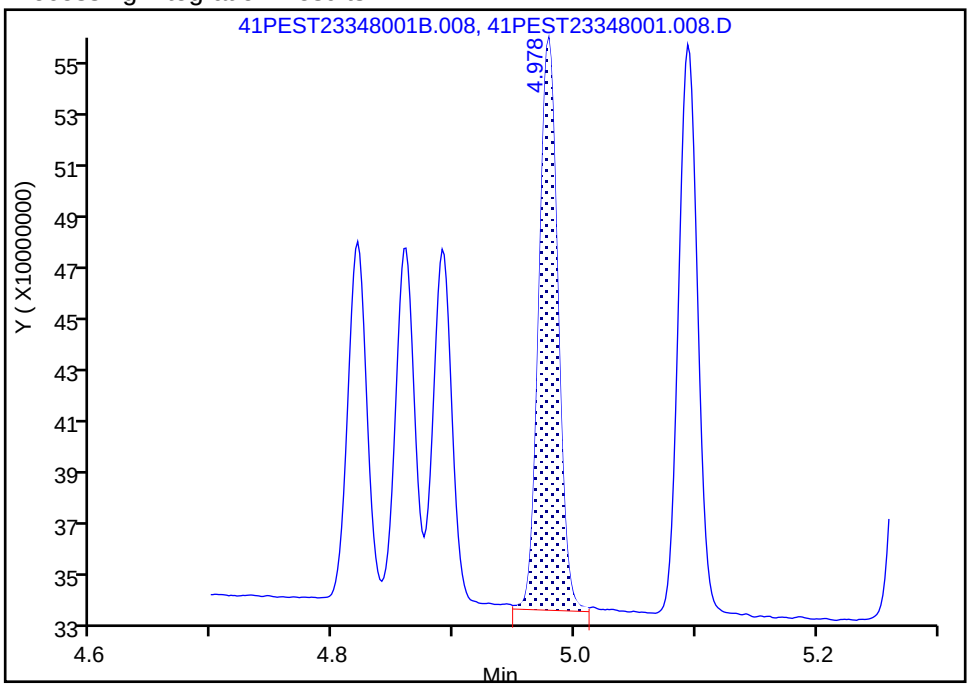
Data File:	\\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.008.D				
Injection Date:	14-Dec-2023 05:01:00	Instrument ID:	9147		
Lims ID:	ic 2				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

16 4,4'-DDE, CAS: 72-55-9

Signal: 1

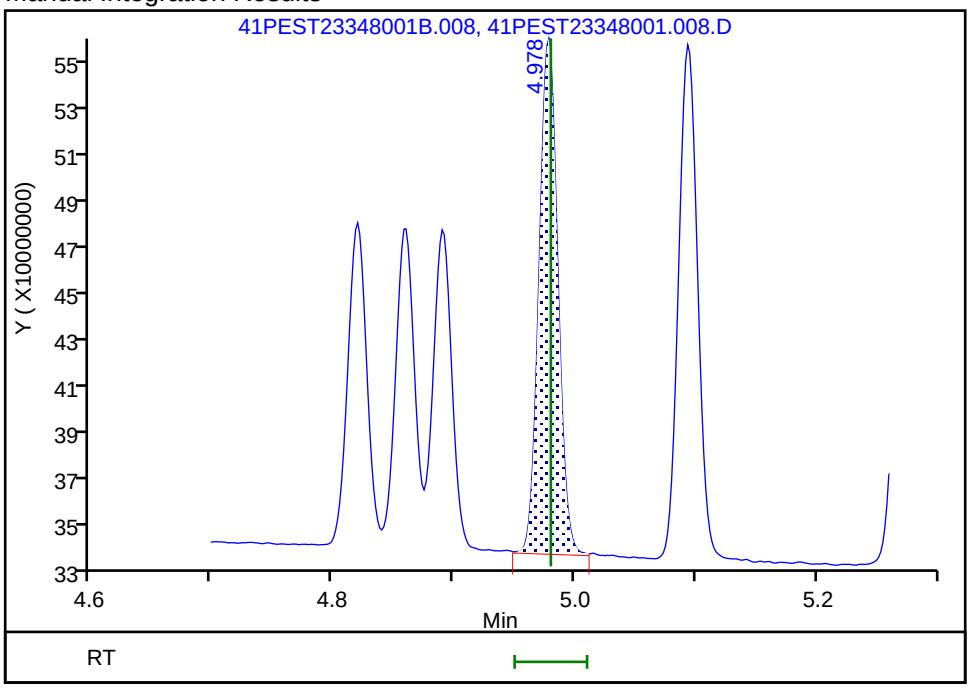
Processing Integration Results

RT: 4.98
Height: 211668001
Amount: 2.130574
Amount Units: ug/l



Manual Integration Results

RT: 4.98
Height: 210852246
Amount: 2.123807
Amount Units: ug/l



Reviewer: UAMZ, 14-Dec-2023 11:19:58 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.009.D
Lims ID: ic 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Dec-2023 05:16:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:24 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.955	1.955	0.000	1641853275H	20.1	19.8	
2	2.532	2.535	-0.003	749853650H	20.1	18.9	
						RPD = 4.71	
2 alpha-BHC							
1	2.555	2.555	0.000	617486461H	5.00	4.74	
2	2.953	2.958	-0.005	656655277H	5.00	4.58	
						RPD = 3.48	
4 gamma-BHC (Lindane)							
1	2.932	2.932	0.000	593362777H	5.06	4.82	
2	3.298	3.302	-0.004	690220573H	5.06	4.63	
						RPD = 3.87	
5 beta-BHC							
1	3.182	3.182	0.000	261711329H	5.06	4.78	
2	3.570	3.572	-0.002	288470161H	5.06	4.98	
						RPD = 3.99	
7 delta-BHC							
1	3.465	3.463	0.002	685236267H	5.00	4.67	
2	3.820	3.822	-0.002	853851631H	5.00	4.70	
						RPD = 0.53	
8 Heptachlor							
1	3.297	3.295	0.002	544594120H	5.00	4.73	
2	3.883	3.885	-0.002	770463564H	5.00	4.74	
						RPD = 0.07	
9 Aldrin							
1	3.598	3.598	0.000	620127374H	5.00	4.77	
2	4.178	4.182	-0.004	800159386H	5.00	4.63	
						RPD = 2.91	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.095	4.095	0.000	590655050H	5.06	4.79	
2	4.557	4.560	-0.003	707387709H	5.06	4.66	
						RPD = 2.68	
13 trans-Chlordane							
1	4.295	4.293	0.002	633076934H	5.00	4.79	
2	4.818	4.820	-0.002	569136759H	5.00	4.62	
						RPD = 3.70	
14 cis-Chlordane							
1	4.377	4.375	0.002	613868309H	5.06	4.74	
2	4.858	4.860	-0.002	562574954H	5.06	4.72	
						RPD = 0.41	
15 Endosulfan I							
1	4.423	4.422	0.001	563607087H	5.06	4.66	
2	4.888	4.892	-0.004	535296529H	5.06	4.64	
						RPD = 0.38	
16 4,4'-DDE							
1	4.545	4.545	0.000	1396553280H	10.1	9.63	
2	4.977	4.980	-0.003	898160535H	10.1	9.05	
						RPD = 6.21	
18 Dieldrin							
1	4.658	4.657	0.001	1381083426H	10.0	9.66	
2	5.093	5.095	-0.002	861594053H	10.0	8.93	
						RPD = 7.76	
19 Endrin							
1	4.908	4.908	0.000	1212945276H	10.0	9.60	
2	5.270	5.273	-0.003	652977160H	10.0	9.17	
						RPD = 4.57	
22 4,4'-DDD							
1	5.002	5.000	0.002	1187682994H	10.0	9.68	
2	5.375	5.377	-0.002	442108048H	10.0	9.29	
						RPD = 4.18	
23 Endosulfan II							
1	5.115	5.115	0.000	1195838242H	10.0	9.49	
2	5.472	5.473	-0.001	517662677H	10.0	9.30	
						RPD = 2.01	
25 Endrin aldehyde							
1	5.287	5.287	0.000	957606726H	10.0	9.40	
2	5.553	5.555	-0.002	399516375H	10.0	9.21	
						RPD = 2.00	
26 4,4'-DDT							
1	5.210	5.210	0.000	737964905H	10.0	9.01	
2	5.603	5.605	-0.002	225420833H	10.0	9.24	
						RPD = 2.49	
27 Endosulfan sulfate							
1	5.435	5.435	0.000	1037335411H	10.0	9.05	
2	5.762	5.765	-0.003	467233453H	10.0	9.37	
						RPD = 3.44	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.703	5.703	0.000	2320104585H	50.4	48.3	
2	5.923	5.925	-0.002	818344122H	50.4	47.4	
						RPD = 1.89	
29 Endrin ketone							
1	5.875	5.873	0.002	1207796535H	10.1	9.39	
2	6.070	6.072	-0.002	566155714H	10.1	9.52	
						RPD = 1.44	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.622	6.622	0.000	2161596451H	20.2	19.5	
2	7.152	7.153	-0.001	860941009H	20.2	19.1	
						RPD = 2.11	
S 32 Total DDTs							
1						9.01	
2						9.24	
						RPD = 2.49	
S 33 Endosulfan, Total							
1						14.1	
2						13.9	
						RPD = 1.47	

Reagents:

GCS_MIXA3_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:25 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.009.D

Injection Date: 14-Dec-2023 05:16:00 Instrument ID: 9147

Lims ID: ic 3

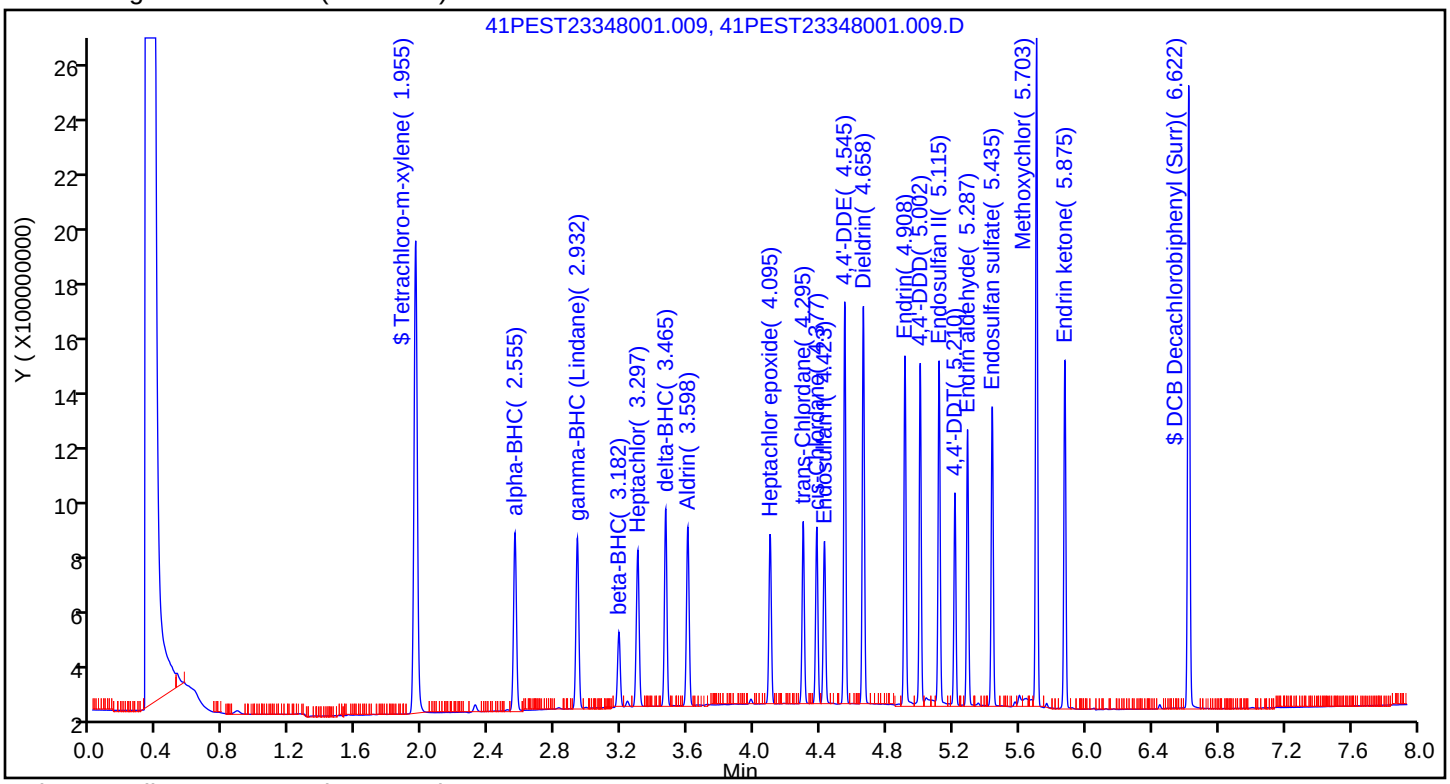
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

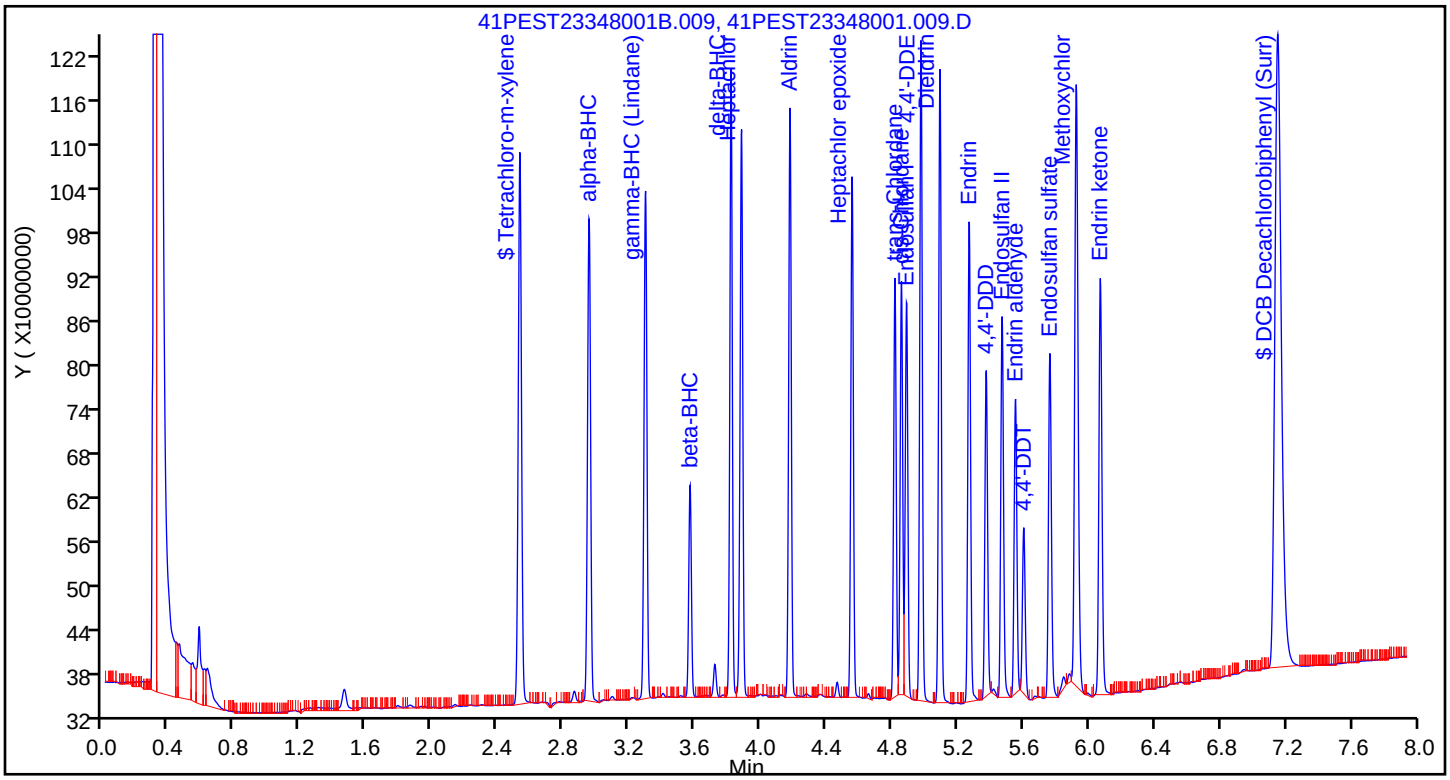
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.010.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 14-Dec-2023 05:30:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:30 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 08:59:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.955	1.955	0.000	3444423544H	40.2	41.6	
2	2.535	2.535	0.000	1534603041H	40.2	38.7	
						RPD = 7.19	
2 alpha-BHC							
1	2.555	2.555	0.000	1352542389H	10.0	10.4	
2	2.958	2.958	0.000	1442528630H	10.0	10.1	
						RPD = 3.19	
4 gamma-BHC (Lindane)							
1	2.932	2.932	0.000	1294365073H	10.1	10.5	
2	3.302	3.302	0.000	1509614664H	10.1	10.1	
						RPD = 3.60	
5 beta-BHC							
1	3.182	3.182	0.000	549825688H	10.1	10.0	
2	3.572	3.572	0.000	569662521H	10.1	9.83	
						RPD = 2.20	
7 delta-BHC							
1	3.463	3.463	0.000	1568915025H	10.0	10.7	
2	3.822	3.822	0.000	1883862830H	10.0	10.4	
						RPD = 3.17	
8 Heptachlor							
1	3.295	3.295	0.000	1191843677H	10.0	10.4	
2	3.885	3.885	0.000	1602761247H	10.0	9.85	
						RPD = 5.00	
9 Aldrin							
1	3.598	3.598	0.000	1344079548H	10.0	10.3	
2	4.182	4.182	0.000	1718489356H	10.0	9.95	
						RPD = 3.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.095	4.095	0.000	1255885198H	10.1	10.2	
2	4.560	4.560	0.000	1503863384H	10.1	9.91	
						RPD = 2.70	
13 trans-Chlordane							
1	4.293	4.293	0.000	1345118287H	10.0	10.2	
2	4.820	4.820	0.000	1155751222H	10.0	9.37	
						RPD = 8.22	
14 cis-Chlordane							
1	4.375	4.375	0.000	1314253493H	10.1	10.1	
2	4.860	4.860	0.000	1164090070H	10.1	9.76	
						RPD = 3.82	
15 Endosulfan I							
1	4.422	4.422	0.000	1299756146H	10.1	10.7	
2	4.892	4.892	0.000	1122589218H	10.1	9.73	
						RPD = 9.87	
16 4,4'-DDE							
1	4.545	4.545	0.000	3142718834H	20.1	21.7	
2	4.980	4.980	0.000	1950142017H	20.1	19.6	
						RPD = 9.78	
18 Dieldrin							
1	4.657	4.657	0.000	3037215402H	20.0	21.2	
2	5.095	5.095	0.000	1837841383H	20.0	19.1	
						RPD = 10.80	
19 Endrin							
1	4.908	4.908	0.000	2647941811H	20.0	20.9	
2	5.273	5.273	0.000	1313739260H	20.0	18.4	
						RPD = 12.72	
22 4,4'-DDD							
1	5.000	5.000	0.000	2632648509H	20.0	21.5	
2	5.377	5.377	0.000	888246492H	20.0	18.7	
						RPD = 13.99	
23 Endosulfan II							
1	5.115	5.115	0.000	2619135138H	20.0	20.8	
2	5.473	5.473	0.000	1035813079H	20.0	18.6	
						RPD = 11.04	
25 Endrin aldehyde							
1	5.287	5.287	0.000	2159649566H	20.0	21.2	
2	5.555	5.555	0.000	845242119H	20.0	19.5	
						RPD = 8.39	
26 4,4'-DDT							
1	5.210	5.210	0.000	1753226897H	20.0	21.4	
2	5.605	5.605	0.000	509575377H	20.0	20.9	
						RPD = 2.48	
27 Endosulfan sulfate							
1	5.435	5.435	0.000	2456175813H	20.0	21.4	
2	5.765	5.765	0.000	994795646H	20.0	20.0	
						RPD = 7.18	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.703	5.703	0.000	5247316281H	100.8	109.3	
2	5.925	5.925	0.000	1838765573H	100.8	106.5	
						RPD = 2.54	
29 Endrin ketone							
1	5.873	5.873	0.000	2700932468H	20.1	21.0	
2	6.072	6.072	0.000	1252547297H	20.1	21.1	
						RPD = 0.37	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.622	6.622	0.000	4701152123H	40.3	42.4	
2	7.153	7.153	0.000	1803466368H	40.3	40.0	
						RPD = 5.86	

Reagents:

GCS_MIXA4_00015 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:31 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.010.D

Injection Date: 14-Dec-2023 05:30:00 Instrument ID: 9147

Lims ID: icrt

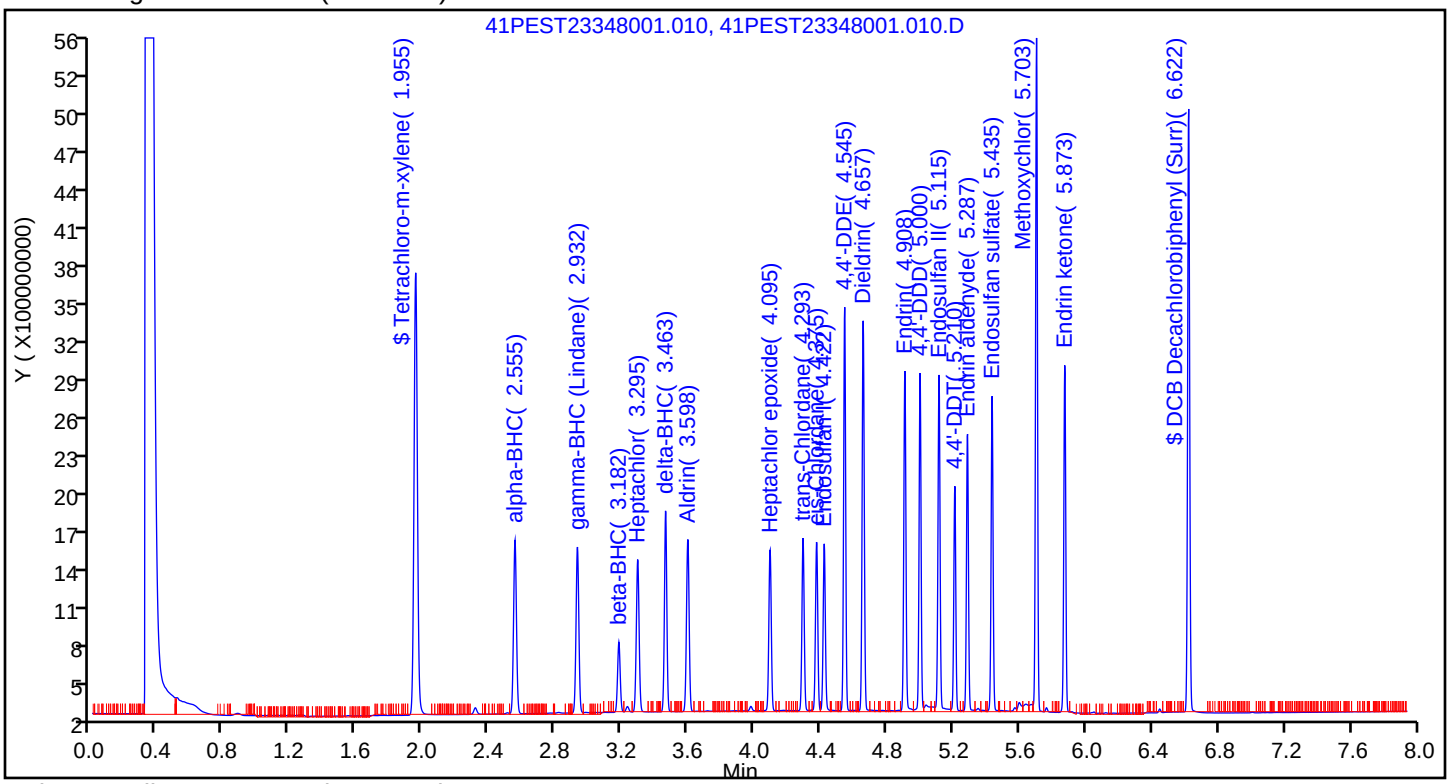
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

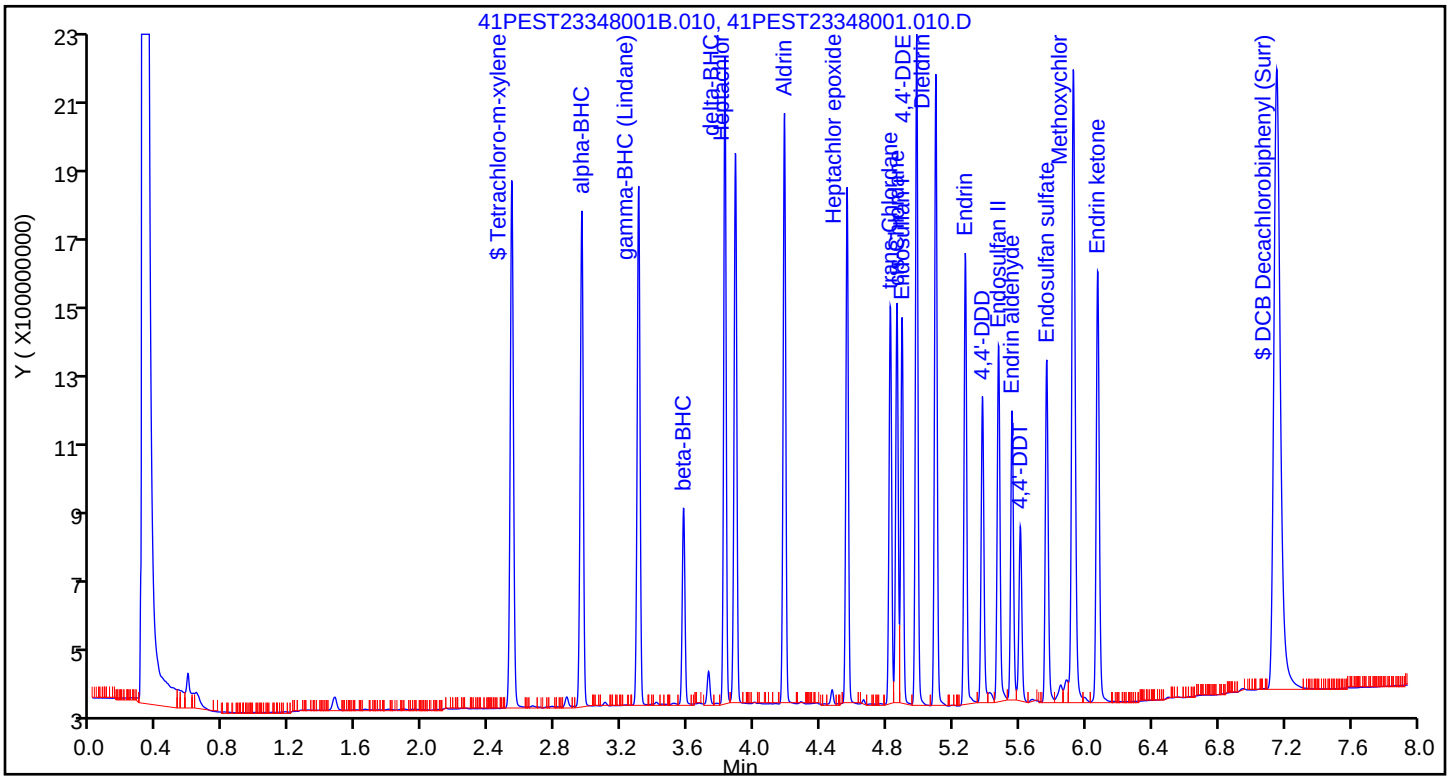
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.011.D
Lims ID: ic 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Dec-2023 05:45:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:35 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.953	1.955	-0.002	5095846751H	61.2	61.5	
2	2.535	2.535	0.000	2248258664H	61.2	56.7	
						RPD = 8.17	
2 alpha-BHC							
1	2.553	2.555	-0.002	2058745321H	15.2	15.8	
2	2.957	2.958	-0.001	2224320418H	15.2	15.5	
						RPD = 1.89	
4 gamma-BHC (Lindane)							
1	2.930	2.932	-0.002	1970788099H	15.4	16.0	
2	3.300	3.302	-0.002	2356374349H	15.4	15.8	
						RPD = 1.12	
5 beta-BHC							
1	3.180	3.182	-0.002	807898754H	15.4	14.8	
2	3.572	3.572	0.000	833189070H	15.4	14.4	
						RPD = 2.66	
7 delta-BHC							
1	3.463	3.463	0.000	2328128579H	15.2	15.9	
2	3.822	3.822	0.000	2898587033H	15.2	15.9	
						RPD = 0.45	
8 Heptachlor							
1	3.293	3.295	-0.002	1776885760H	15.2	15.4	
2	3.885	3.885	0.000	2490973564H	15.2	15.3	
						RPD = 0.85	
9 Aldrin							
1	3.597	3.598	-0.001	2057801012H	15.2	15.8	
2	4.180	4.182	-0.002	2645856861H	15.2	15.3	
						RPD = 3.27	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.093	4.095	-0.002	1973152104H	15.4	16.0	
2	4.558	4.560	-0.002	2272842501H	15.4	15.0	
						RPD = 6.57	
13 trans-Chlordane							
1	4.293	4.293	0.000	2083843627H	15.2	15.8	
2	4.820	4.820	0.000	1787398110H	15.2	14.5	
						RPD = 8.39	
14 cis-Chlordane							
1	4.375	4.375	0.000	2093040446H	15.4	16.2	
2	4.860	4.860	0.000	1774160485H	15.4	14.9	
						RPD = 8.21	
15 Endosulfan I							
1	4.422	4.422	0.000	1938425735H	15.4	16.0	
2	4.890	4.892	-0.002	1710659204H	15.4	14.8	
						RPD = 7.72	
16 4,4'-DDE							
1	4.543	4.545	-0.002	4729758407H	30.6	32.6	
2	4.978	4.980	-0.002	3008257813H	30.6	30.3	
						RPD = 7.32	
18 Dieldrin							
1	4.657	4.657	0.000	4677740287H	30.4	32.7	
2	5.095	5.095	0.000	2782784618H	30.4	28.9	
						RPD = 12.50	
19 Endrin							
1	4.907	4.908	-0.001	4085066567H	30.4	32.3	
2	5.273	5.273	0.000	1961489292H	30.4	27.5	
						RPD = 15.98	
22 4,4'-DDD							
1	5.000	5.000	0.000	4032502145H	30.4	32.9	
2	5.377	5.377	0.000	1296844785H	30.4	27.2	
						RPD = 18.75	
23 Endosulfan II							
1	5.113	5.115	-0.002	4051627525H	30.4	32.2	
2	5.473	5.473	0.000	1541677356H	30.4	27.7	
						RPD = 14.88	
25 Endrin aldehyde							
1	5.285	5.287	-0.002	3291563454H	30.4	32.3	
2	5.555	5.555	0.000	1205491034H	30.4	27.8	
						RPD = 15.00	
26 4,4'-DDT							
1	5.208	5.210	-0.002	2817879961H	30.4	34.4	
2	5.605	5.605	0.000	776021504H	30.4	31.8	
						RPD = 7.87	
27 Endosulfan sulfate							
1	5.433	5.435	-0.002	3615417613H	30.4	31.6	
2	5.763	5.765	-0.002	1442945828H	30.4	28.9	
						RPD = 8.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.702	5.703	-0.001	7639729586H	153.1	159.1	
2	5.925	5.925	0.000	2830055142H	153.1	164.0	
						RPD = 3.01	
29 Endrin ketone							
1	5.873	5.873	0.000	4136592515H	30.6	32.2	
2	6.072	6.072	0.000	1886328668H	30.6	31.7	
						RPD = 1.31	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.620	6.622	-0.002	7018848080H	61.3	63.2	
2	7.152	7.153	-0.001	2698578322H	61.3	59.8	
						RPD = 5.64	
S 32 Total DDTs							
1						34.4	
2						31.8	
						RPD = 7.87	
S 33 Endosulfan, Total							
1						48.2	
2						42.5	
						RPD = 12.45	

Reagents:

GCS_MIXA5_00014 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:37 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.011.D

Injection Date: 14-Dec-2023 05:45:00 Instrument ID: 9147

Lims ID: ic 5

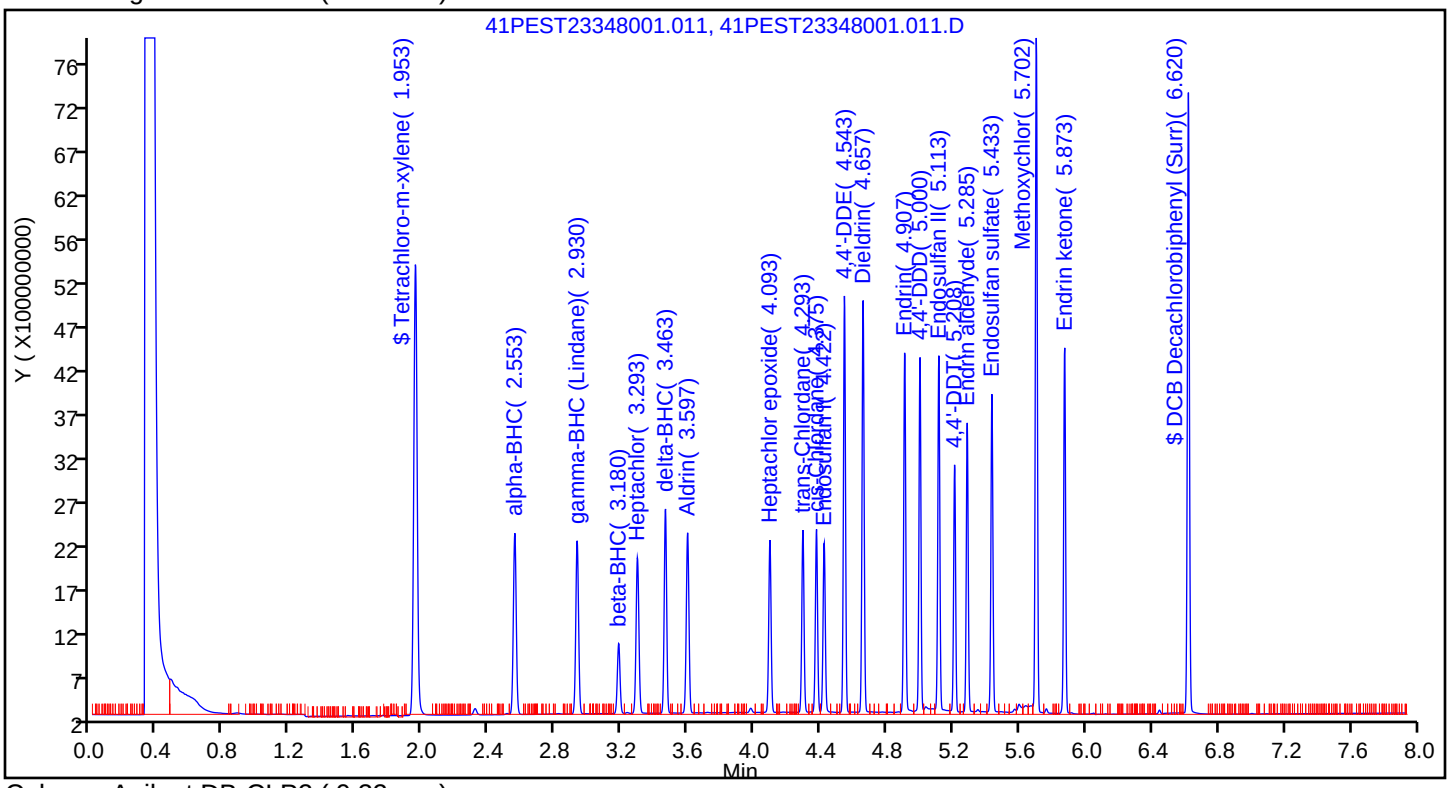
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 11

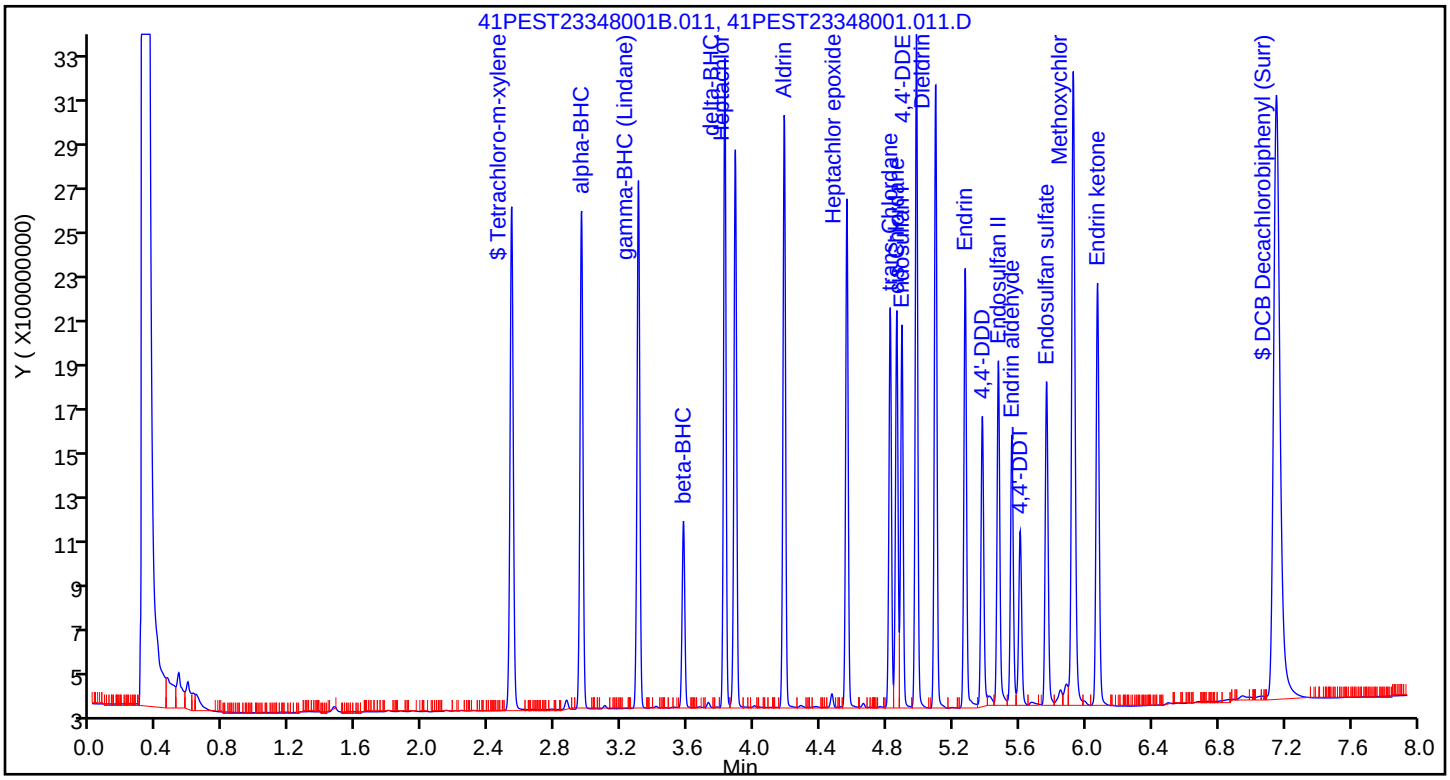
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.012.D
Lims ID: ic 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Dec-2023 06:00:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:26:43 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.955	1.955	0.000	6557285841H	80.5	79.1	
2	2.537	2.535	0.002	2830290428H	80.5	71.4	
						RPD = 10.35	
2 alpha-BHC							
1	2.555	2.555	0.000	2761332746H	20.0	21.2	
2	2.958	2.958	0.000	2982866739H	20.0	20.8	
						RPD = 1.91	
4 gamma-BHC (Lindane)							
1	2.930	2.932	-0.002	2550479450H	20.3	20.7	
2	3.302	3.302	0.000	3116885450H	20.3	20.9	
						RPD = 1.07	
5 beta-BHC							
1	3.182	3.182	0.000	1019283255H	20.3	18.6	
2	3.573	3.572	0.001	1049856760H	20.3	18.1	
						RPD = 2.79	
7 delta-BHC							
1	3.463	3.463	0.000	3030431057H	20.0	20.7	
2	3.823	3.822	0.001	3848767727H	20.0	21.2	
						RPD = 2.44	
8 Heptachlor							
1	3.295	3.295	0.000	2245439099H	20.0	19.5	
2	3.887	3.885	0.002	3260823112H	20.0	20.0	
						RPD = 2.68	
9 Aldrin							
1	3.597	3.598	-0.001	2572182140H	20.0	19.8	
2	4.183	4.182	0.001	3429953850H	20.0	19.9	
						RPD = 0.38	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	4.093	4.095	-0.002	2513011874H	20.3	20.4	
2	4.562	4.560	0.002	2973859124H	20.3	19.6	
						RPD = 3.88	
13 trans-Chlordane							
1	4.293	4.293	0.000	2661749815H	20.0	20.1	
2	4.822	4.820	0.002	2315781810H	20.0	18.8	
						RPD = 6.98	
14 cis-Chlordane							
1	4.375	4.375	0.000	2635601958H	20.3	20.3	
2	4.862	4.860	0.002	2241668435H	20.3	18.8	
						RPD = 7.87	
15 Endosulfan I							
1	4.422	4.422	0.000	2433019361H	20.3	20.1	
2	4.893	4.892	0.001	2112215127H	20.3	18.3	
						RPD = 9.36	
16 4,4'-DDE							
1	4.545	4.545	0.000	6011604307H	40.3	41.4	
2	4.982	4.980	0.002	3785690309H	40.3	38.1	
						RPD = 8.31	
18 Dieldrin							
1	4.657	4.657	0.000	6081571791H	40.0	42.5	
2	5.097	5.095	0.002	3599547304H	40.0	37.3	
						RPD = 13.01	
19 Endrin							
1	4.907	4.908	-0.001	5089494318H	40.0	40.3	
2	5.275	5.273	0.002	2481763928H	40.0	34.8	
						RPD = 14.44	
22 4,4'-DDD							
1	5.000	5.000	0.000	5055261023H	40.0	41.2	
2	5.378	5.377	0.001	1687275315H	40.0	35.4	
						RPD = 15.07	
23 Endosulfan II							
1	5.113	5.115	-0.002	5104371823H	40.0	40.5	
2	5.475	5.473	0.002	1983094217H	40.0	35.6	
						RPD = 12.81	
25 Endrin aldehyde							
1	5.287	5.287	0.000	3949138605H	40.0	38.7	
2	5.557	5.555	0.002	1530891155H	40.0	35.3	
						RPD = 9.34	
26 4,4'-DDT							
1	5.210	5.210	0.000	3904641926H	40.0	47.7	
2	5.607	5.605	0.002	1051132790H	40.0	43.1	
						RPD = 10.14	
27 Endosulfan sulfate							
1	5.435	5.435	0.000	4600323895H	40.0	40.2	
2	5.767	5.765	0.002	1910402671H	40.0	38.3	
						RPD = 4.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.703	5.703	0.000	10160736423H	201.5	211.6	
2	5.927	5.925	0.002	3743559803H	201.5	216.9	
						RPD = 2.47	
29 Endrin ketone							
1	5.873	5.873	0.000	5332983030H	40.3	41.4	
2	6.073	6.072	0.001	2465830966H	40.3	41.5	
						RPD = 0.07	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.620	6.622	-0.002	8492580459H	80.7	76.5	
2	7.153	7.153	0.000	3523294753H	80.7	78.1	
						RPD = 1.97	
S 32 Total DDTs							
1						47.7	
2						43.1	
						RPD = 10.14	
S 33 Endosulfan, Total							
1						60.6	
2						53.9	
						RPD = 11.65	

Reagents:

GCS_MIXA6_00010 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:26:44 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.012.D

Injection Date: 14-Dec-2023 06:00:00 Instrument ID: 9147

Lims ID: ic 6

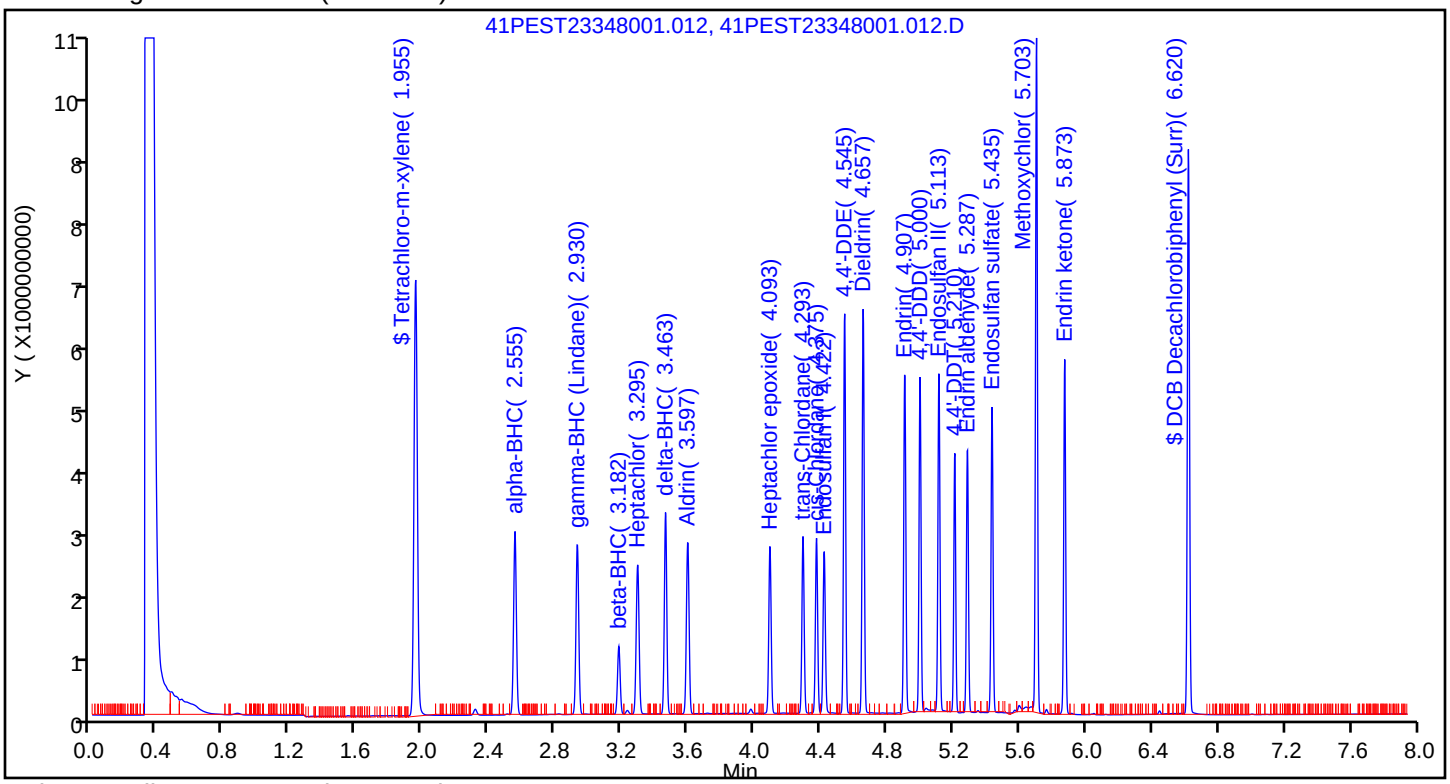
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

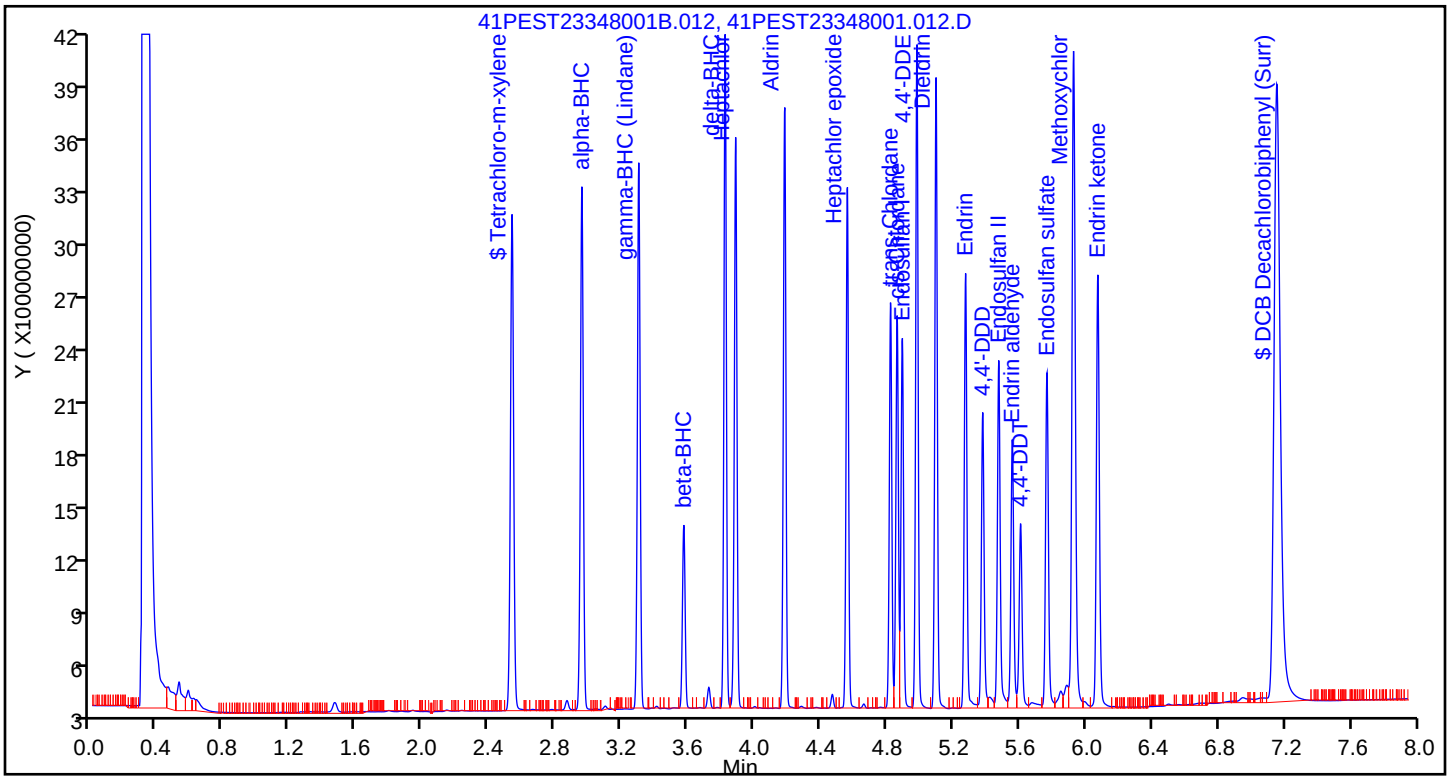
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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

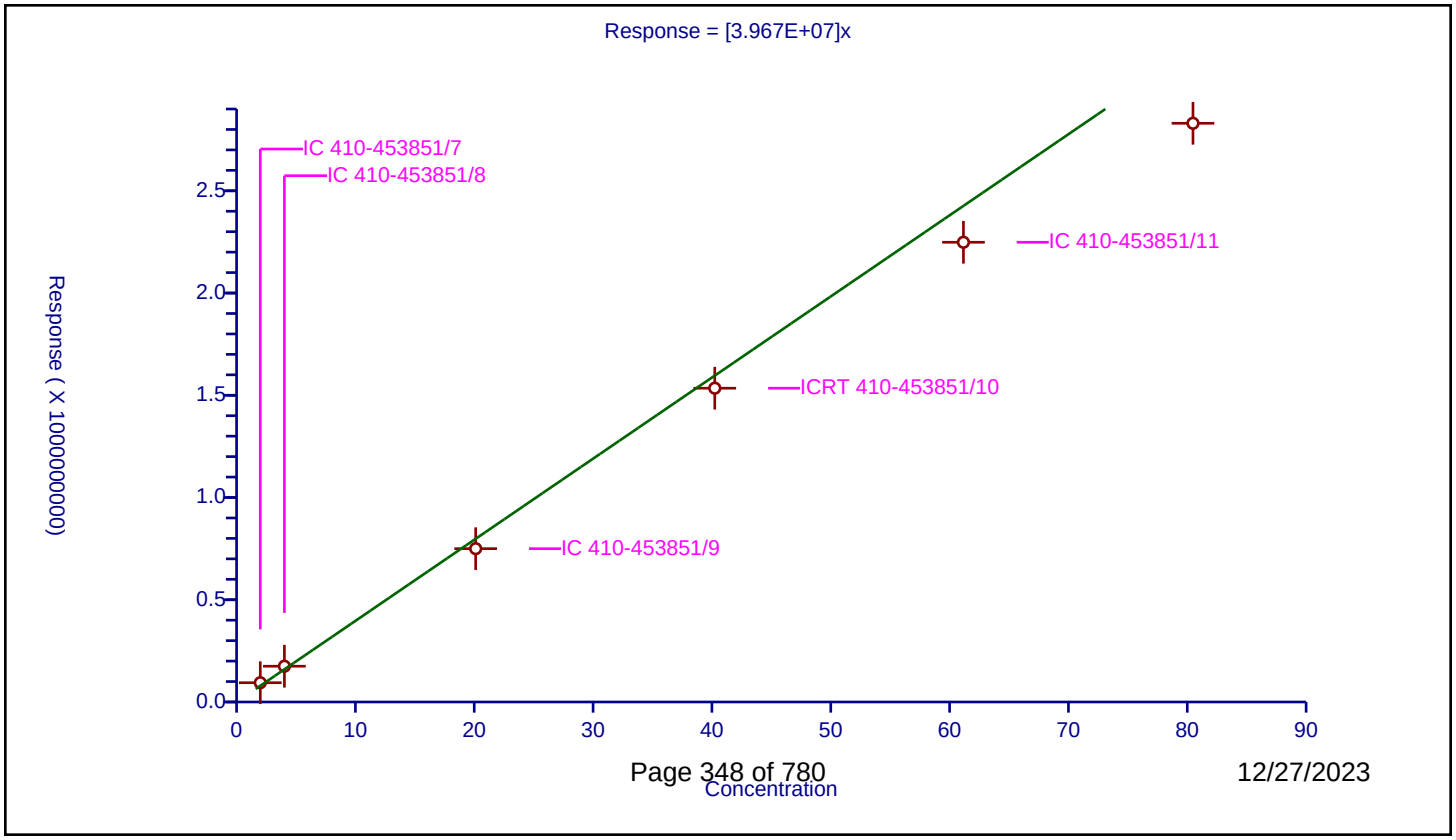
Curve Coefficients

Intercept:	0
Slope:	3.967E+07

Error Coefficients

Standard Error:	184000000
Relative Standard Error:	11.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	1.995904	94223684.0			47208525.059322	Y
2	IC 410-453851/8	4.024	174893940.0			43462708.747515	Y
3	IC 410-453851/9	20.12	749853650.0			37269068.091451	Y
4	ICRT 410-453851/10	40.24	1534603041.0			38136258.474155	Y
5	IC 410-453851/11	61.1648	2248258664.0			36757394.187507	Y
6	IC 410-453851/12	80.48	2830290428.0			35167624.602386	Y



Calibration / alpha-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

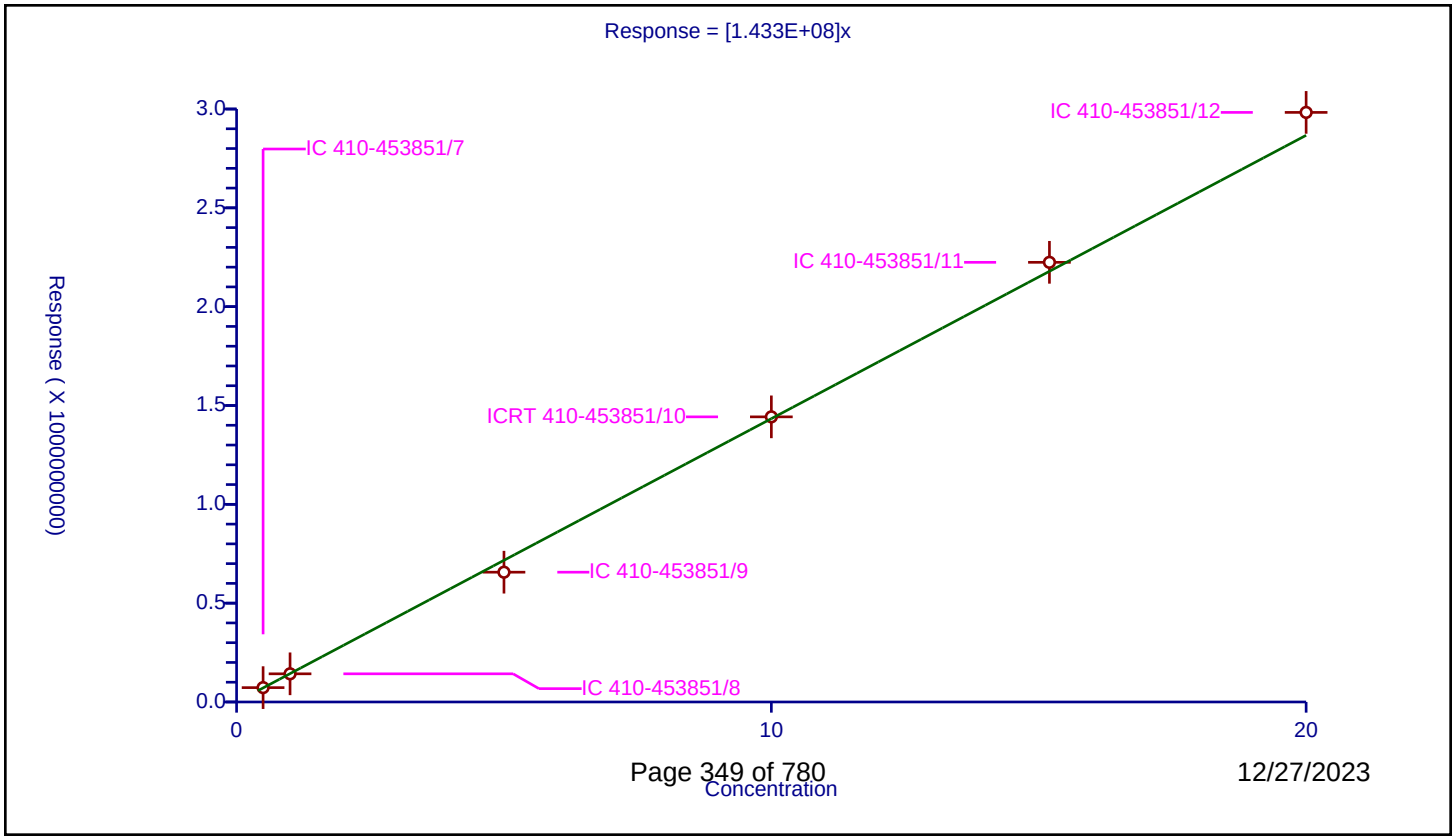
Curve Coefficients

Intercept:	0
Slope:	1.433E+08

Error Coefficients

Standard Error:	61900000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	72685541.0			146543429.435484	Y
2	IC 410-453851/8	1.0	142492073.0			142492073.0	Y
3	IC 410-453851/9	5.0	656655277.0			131331055.4	Y
4	ICRT 410-453851/10	10.0	1442528630.0			144252863.0	Y
5	IC 410-453851/11	15.2	2224320418.0			146336869.605263	Y
6	IC 410-453851/12	20.0	2982866739.0			149143336.95	Y



Calibration / gamma-BHC (Lindane)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

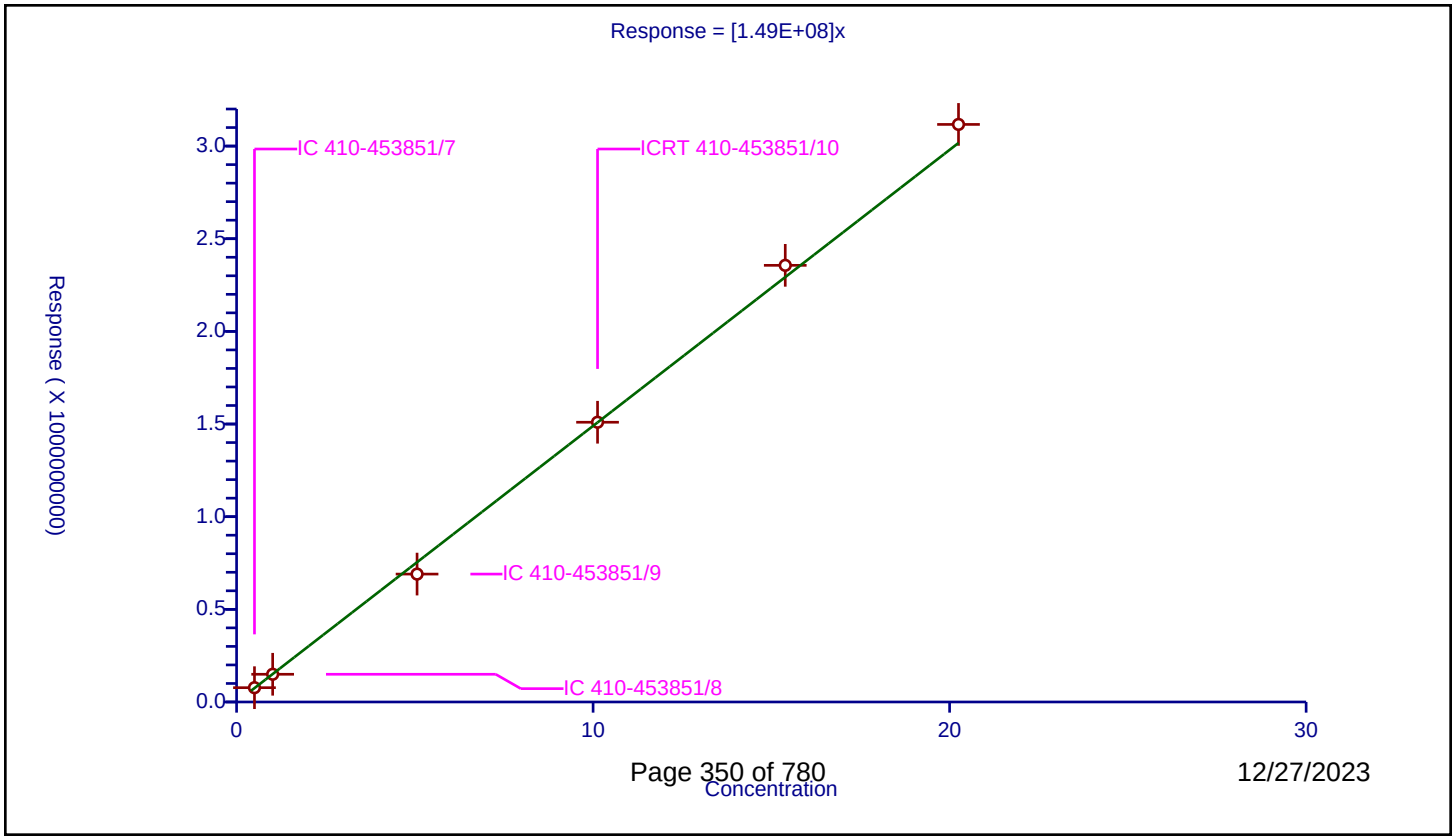
Curve Coefficients

Intercept:	0
Slope:	1.49E+08

Error Coefficients

Standard Error:	60300000
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 410-453851/7	0.5022	77155451.0			153634908.403027	Y
2	IC 410-453851/8	1.0125	149624163.0			147776951.111111	Y
3	IC 410-453851/9	5.0625	690220573.0			136339866.271605	Y
4	ICRT 410-453851/10	10.125	1509614664.0			149097744.592593	Y
5	IC 410-453851/11	15.39	2356374349.0			153110743.924626	Y
6	IC 410-453851/12	20.25	3116885450.0			153920269.135802	Y



Calibration / beta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

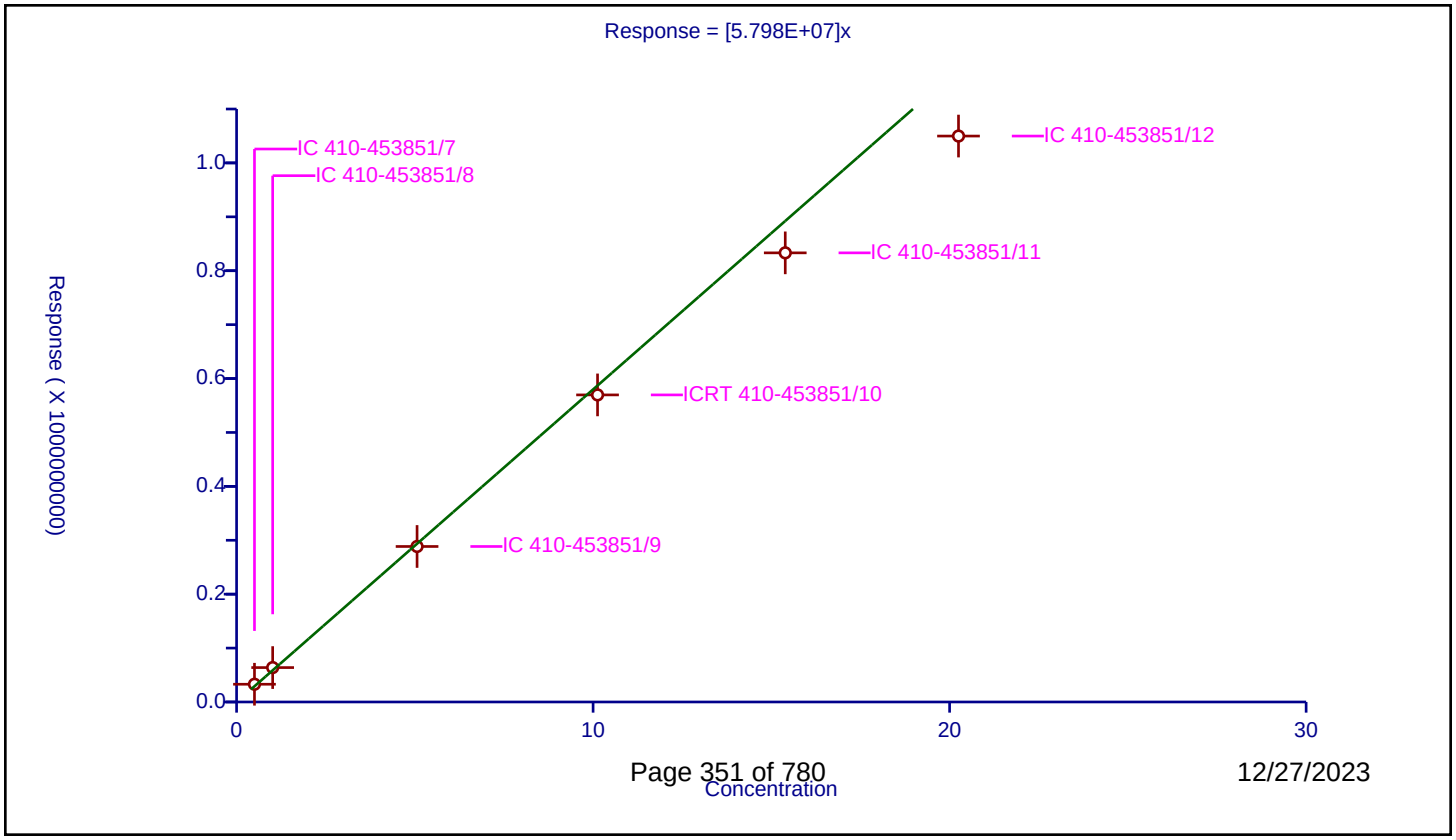
Curve Coefficients

Intercept:	0
Slope:	5.798E+07

Error Coefficients

Standard Error:	62100000
Relative Standard Error:	9.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.5022	32938991.0			65589388.689765	Y
2	IC 410-453851/8	1.0125	63838207.0			63050080.987654	Y
3	IC 410-453851/9	5.0625	288470161.0			56981760.197531	Y
4	ICRT 410-453851/10	10.125	569662521.0			56262965.037037	Y
5	IC 410-453851/11	15.39	833189070.0			54138341.130604	Y
6	IC 410-453851/12	20.25	1049856760.0			51844778.271605	Y



12/27/2023

Calibration / delta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

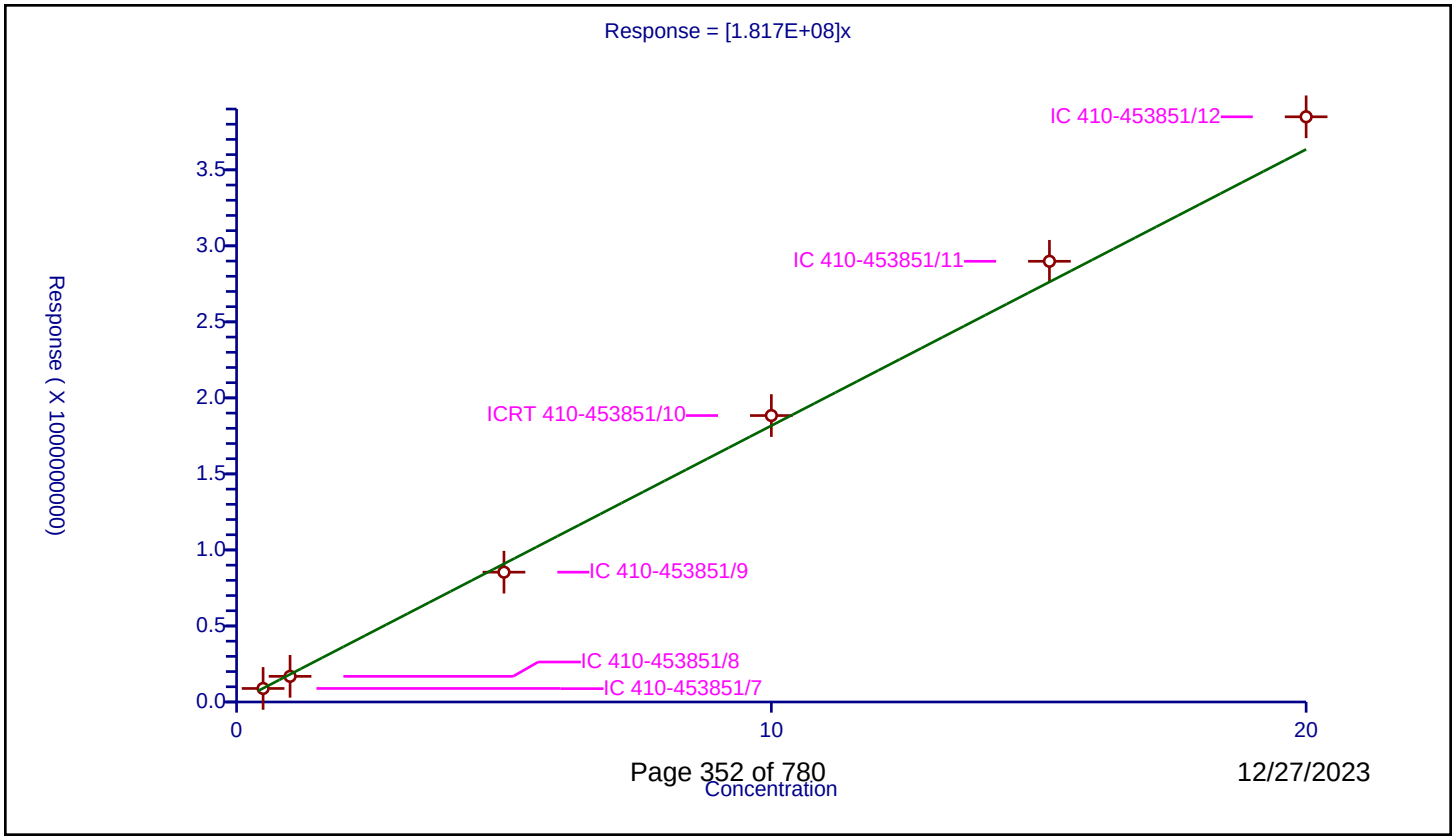
Curve Coefficients

Intercept:	0
Slope:	1.817E+08

Error Coefficients

Standard Error:	120000000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	89048660.0			179533588.709677	Y
2	IC 410-453851/8	1.0	168561877.0			168561877.0	Y
3	IC 410-453851/9	5.0	853851631.0			170770326.2	Y
4	ICRT 410-453851/10	10.0	1883862830.0			188386283.0	Y
5	IC 410-453851/11	15.2	2898587033.0			190696515.328947	Y
6	IC 410-453851/12	20.0	3848767727.0			192438386.35	Y



Calibration / Heptachlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

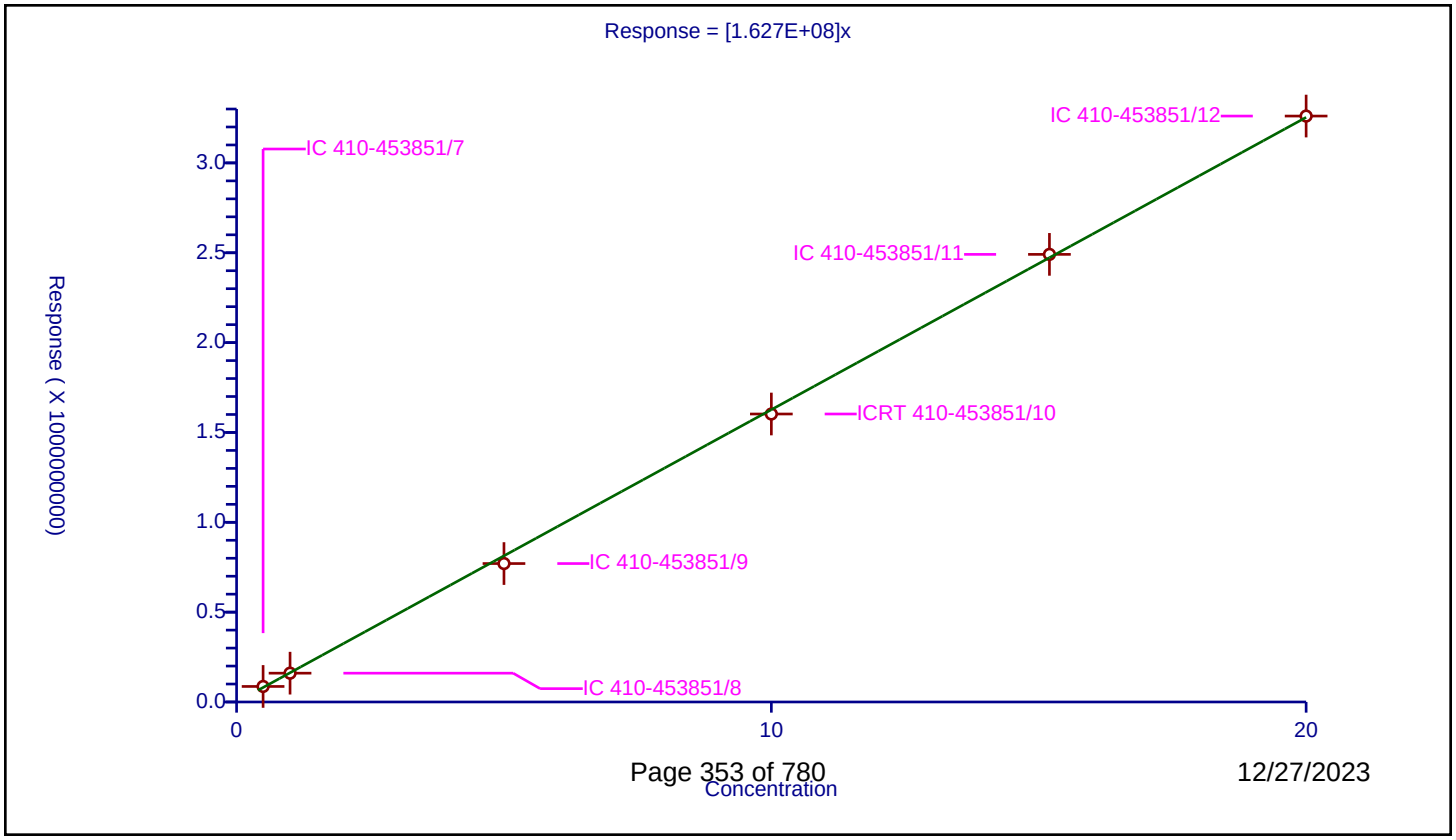
Curve Coefficients

Intercept:	0
Slope:	1.627E+08

Error Coefficients

Standard Error:	23900000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	86508179.0			174411651.209677	Y
2	IC 410-453851/8	1.0	160367167.0			160367167.0	Y
3	IC 410-453851/9	5.0	770463564.0			154092712.8	Y
4	ICRT 410-453851/10	10.0	1602761247.0			160276124.7	Y
5	IC 410-453851/11	15.2	2490973564.0			163879839.736842	Y
6	IC 410-453851/12	20.0	3260823112.0			163041155.6	Y



Calibration / Aldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

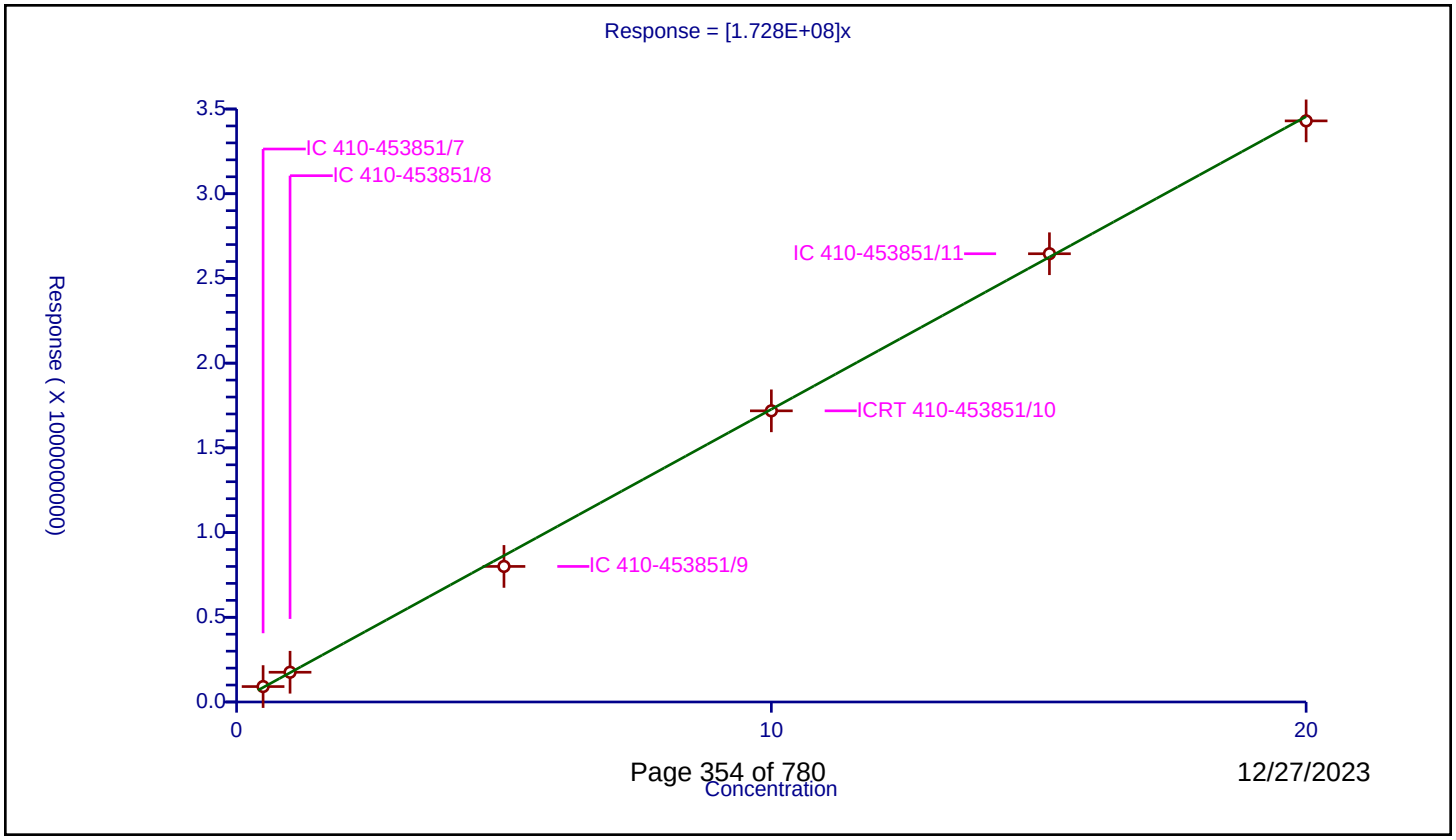
Curve Coefficients

Intercept:	0
Slope:	1.728E+08

Error Coefficients

Standard Error:	32300000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	91066991.0			183602804.435484	Y
2	IC 410-453851/8	1.0	175556845.0			175556845.0	Y
3	IC 410-453851/9	5.0	800159386.0			160031877.2	Y
4	ICRT 410-453851/10	10.0	1718489356.0			171848935.6	Y
5	IC 410-453851/11	15.2	2645856861.0			174069530.328947	Y
6	IC 410-453851/12	20.0	3429953850.0			171497692.5	Y



Calibration / Heptachlor epoxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

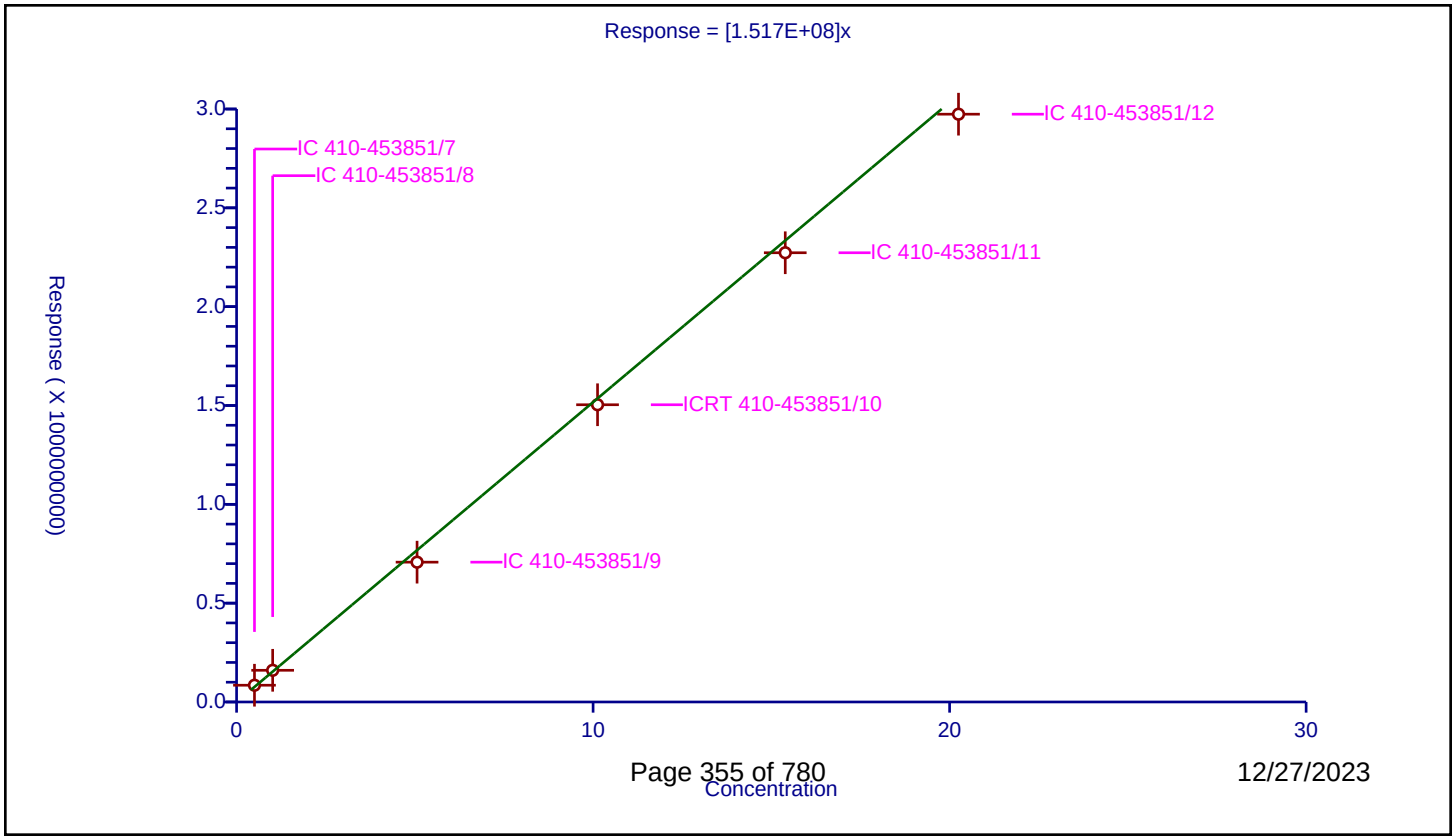
Curve Coefficients

Intercept:	0
Slope:	1.517E+08

Error Coefficients

Standard Error:	60300000
Relative Standard Error:	6.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.5022	84850738.0			168958060.533652	Y
2	IC 410-453851/8	1.0125	160337083.0			158357612.839506	Y
3	IC 410-453851/9	5.0625	707387709.0			139730905.481481	Y
4	ICRT 410-453851/10	10.125	1503863384.0			148529716.938272	Y
5	IC 410-453851/11	15.39	2272842501.0			147683073.489279	Y
6	IC 410-453851/12	20.25	2973859124.0			146857240.691358	Y



12/27/2023

Calibration / trans-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

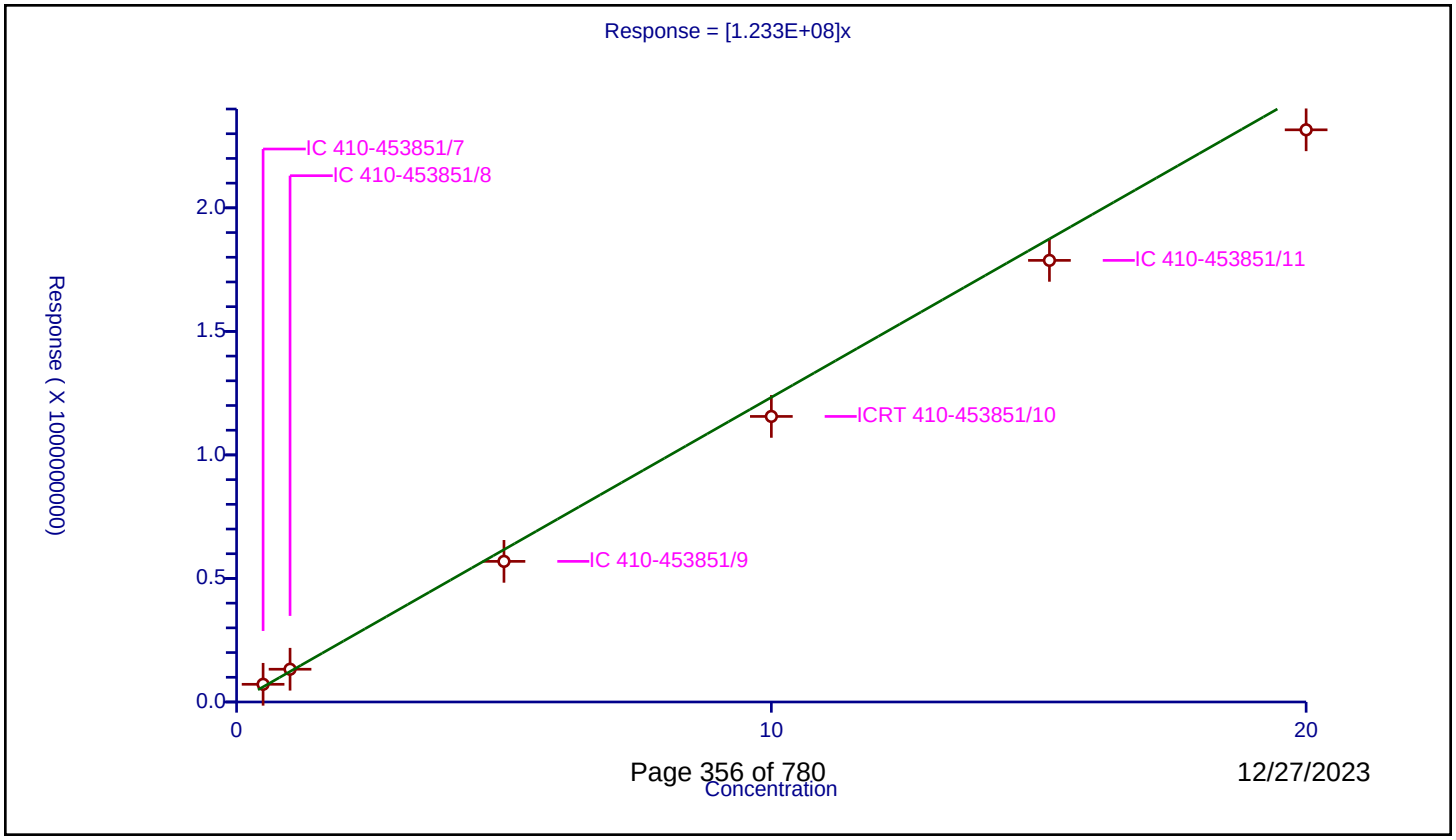
Curve Coefficients

Intercept:	0
Slope:	1.233E+08

Error Coefficients

Standard Error:	87900000
Relative Standard Error:	10.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.496	71652555.0			144460796.370968	Y
2	IC 410-453851/8	1.0	132628596.0			132628596.0	Y
3	IC 410-453851/9	5.0	569136759.0			113827351.8	Y
4	ICRT 410-453851/10	10.0	1155751222.0			115575122.2	Y
5	IC 410-453851/11	15.2	1787398110.0			117591980.921053	Y
6	IC 410-453851/12	20.0	2315781810.0			115789090.5	Y



Calibration / cis-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

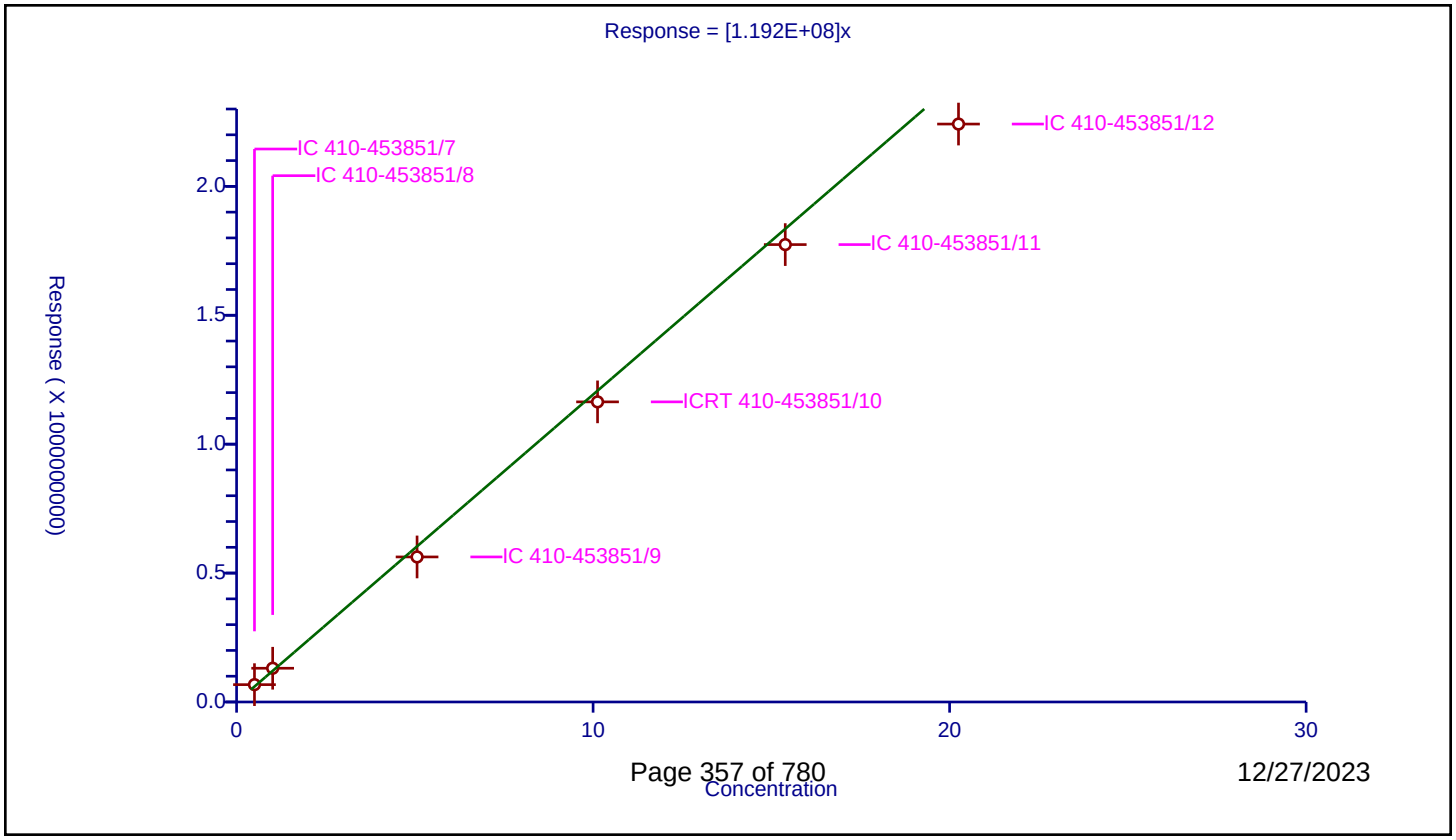
Curve Coefficients

Intercept:	0
Slope:	1.192E+08

Error Coefficients

Standard Error:	86400000
Relative Standard Error:	8.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.5022	67316204.0			134042620.469932	Y
2	IC 410-453851/8	1.0125	130927865.0			129311471.604938	Y
3	IC 410-453851/9	5.0625	562574954.0			111125916.839506	Y
4	ICRT 410-453851/10	10.125	1164090070.0			114971858.765432	Y
5	IC 410-453851/11	15.39	1774160485.0			115280083.495776	Y
6	IC 410-453851/12	20.25	2241668435.0			110699675.802469	Y



Calibration / Endosulfan I

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

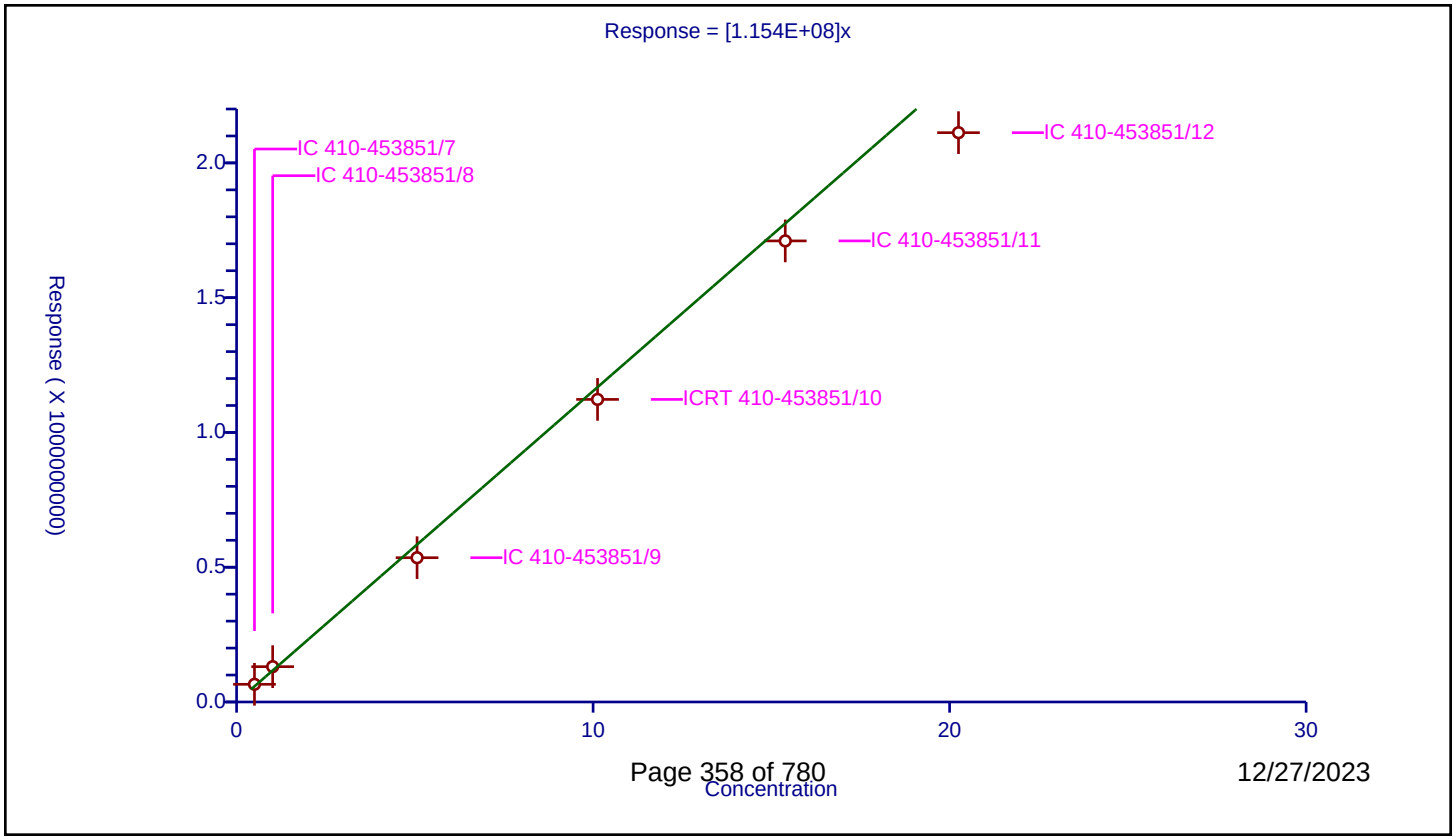
Curve Coefficients

Intercept:	0
Slope:	1.154E+08

Error Coefficients

Standard Error:	109000000
Relative Standard Error:	10.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.5022	65618084.0			130661258.462764	Y
2	IC 410-453851/8	1.0125	131051224.0			129433307.654321	Y
3	IC 410-453851/9	5.0625	535296529.0			105737585.975309	Y
4	ICRT 410-453851/10	10.125	1122589218.0			110873009.185185	Y
5	IC 410-453851/11	15.39	1710659204.0			111153944.379467	Y
6	IC 410-453851/12	20.25	2112215127.0			104306919.851852	Y



Calibration / 4,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

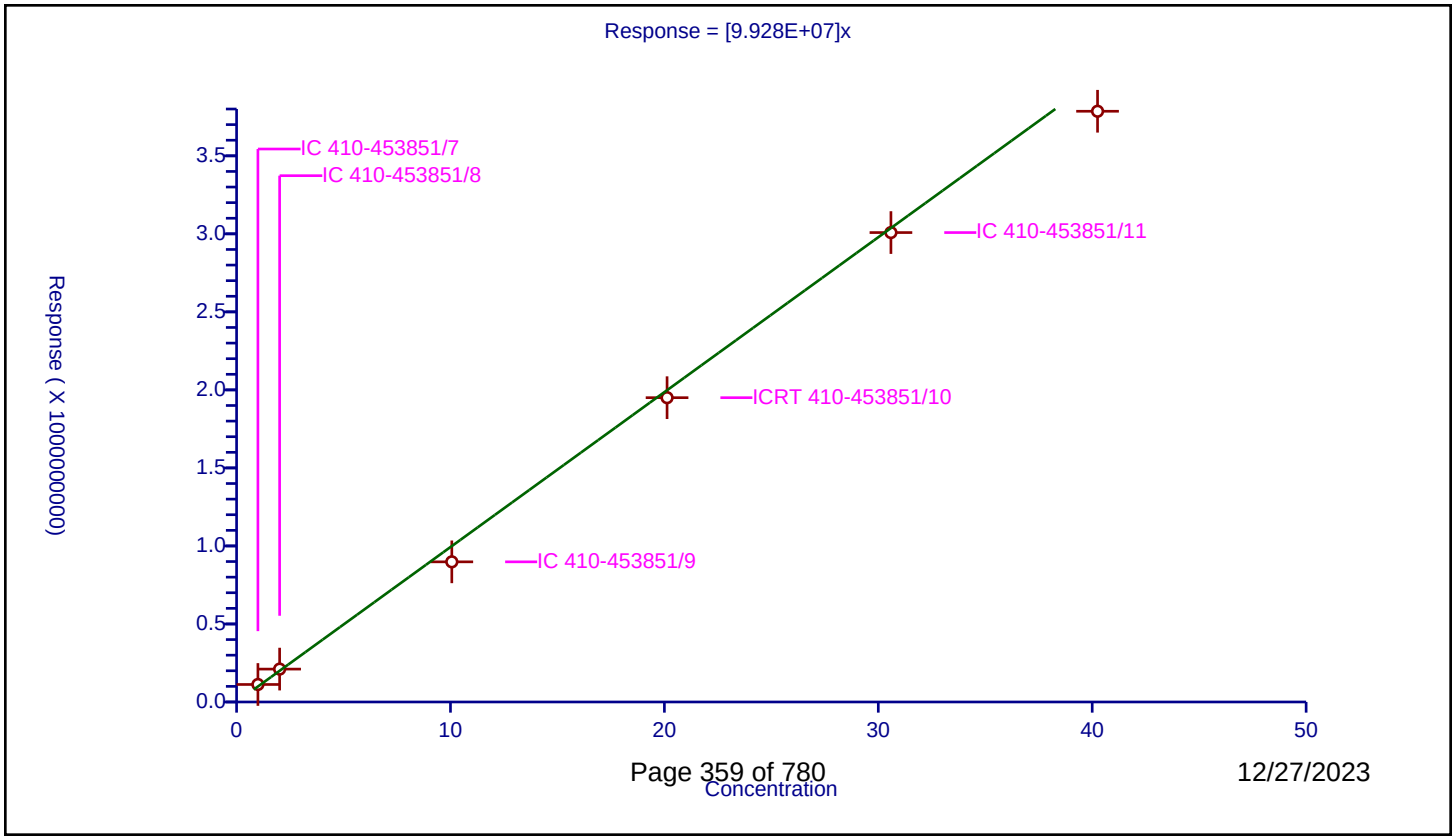
Curve Coefficients

Intercept:	0
Slope:	9.928E+07

Error Coefficients

Standard Error:	108000000
Relative Standard Error:	8.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.9982	112153133.0			112355372.670807	Y
2	IC 410-453851/8	2.0125	210852246.0			104771302.360248	Y
3	IC 410-453851/9	10.0625	898160535.0			89258189.813665	Y
4	ICRT 410-453851/10	20.125	1950142017.0			96901466.68323	Y
5	IC 410-453851/11	30.59	3008257813.0			98341216.508663	Y
6	IC 410-453851/12	40.25	3785690309.0			94054417.614907	Y



Calibration / Dieldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

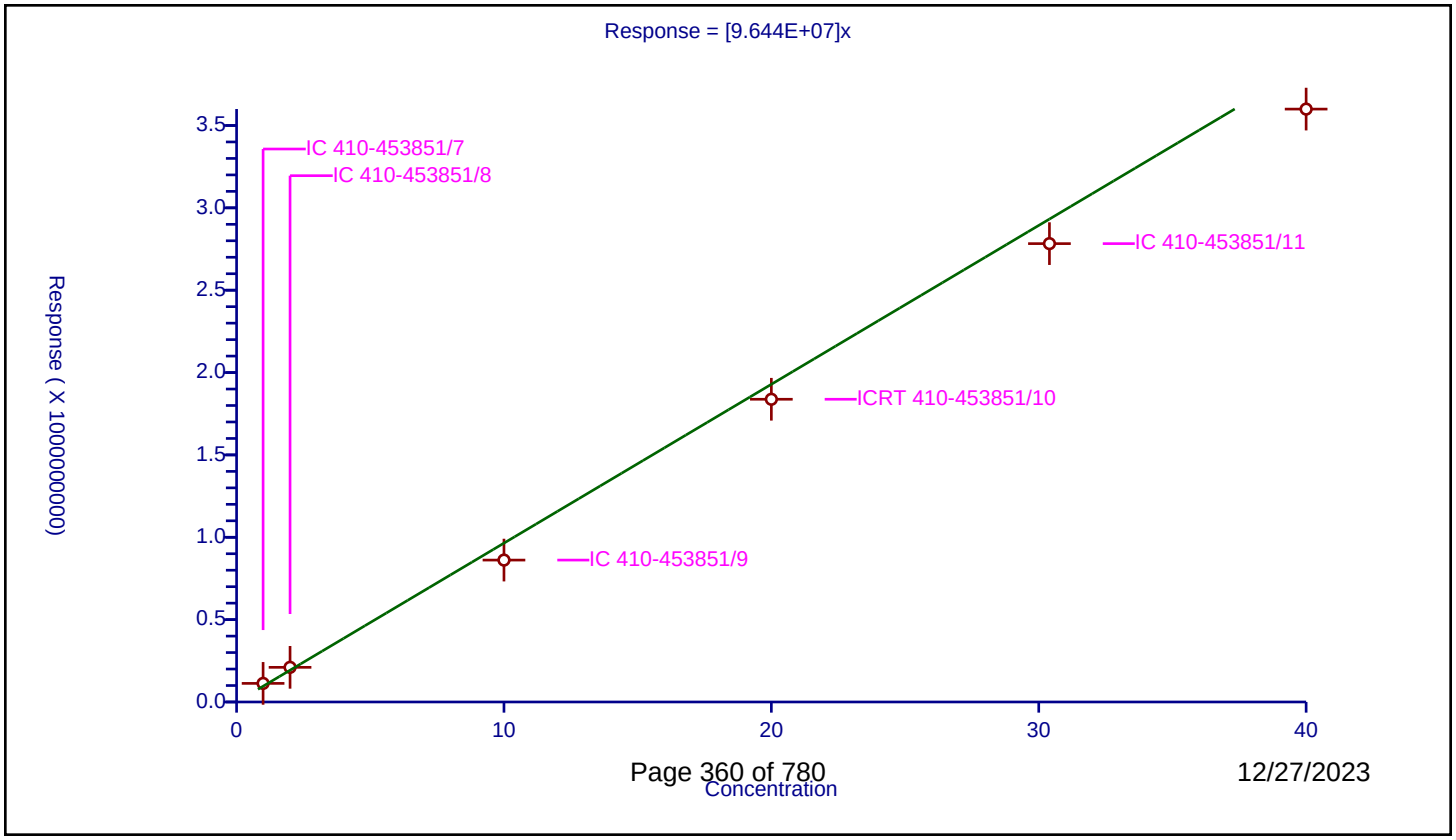
Curve Coefficients

Intercept:	0
Slope:	9.644E+07

Error Coefficients

Standard Error:	147000000
Relative Standard Error:	11.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	112914673.0			113825275.201613	Y
2	IC 410-453851/8	2.0	210442474.0			105221237.0	Y
3	IC 410-453851/9	10.0	861594053.0			86159405.3	Y
4	ICRT 410-453851/10	20.0	1837841383.0			91892069.15	Y
5	IC 410-453851/11	30.4	2782784618.0			91538967.697368	Y
6	IC 410-453851/12	40.0	3599547304.0			89988682.6	Y



Calibration / Endrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

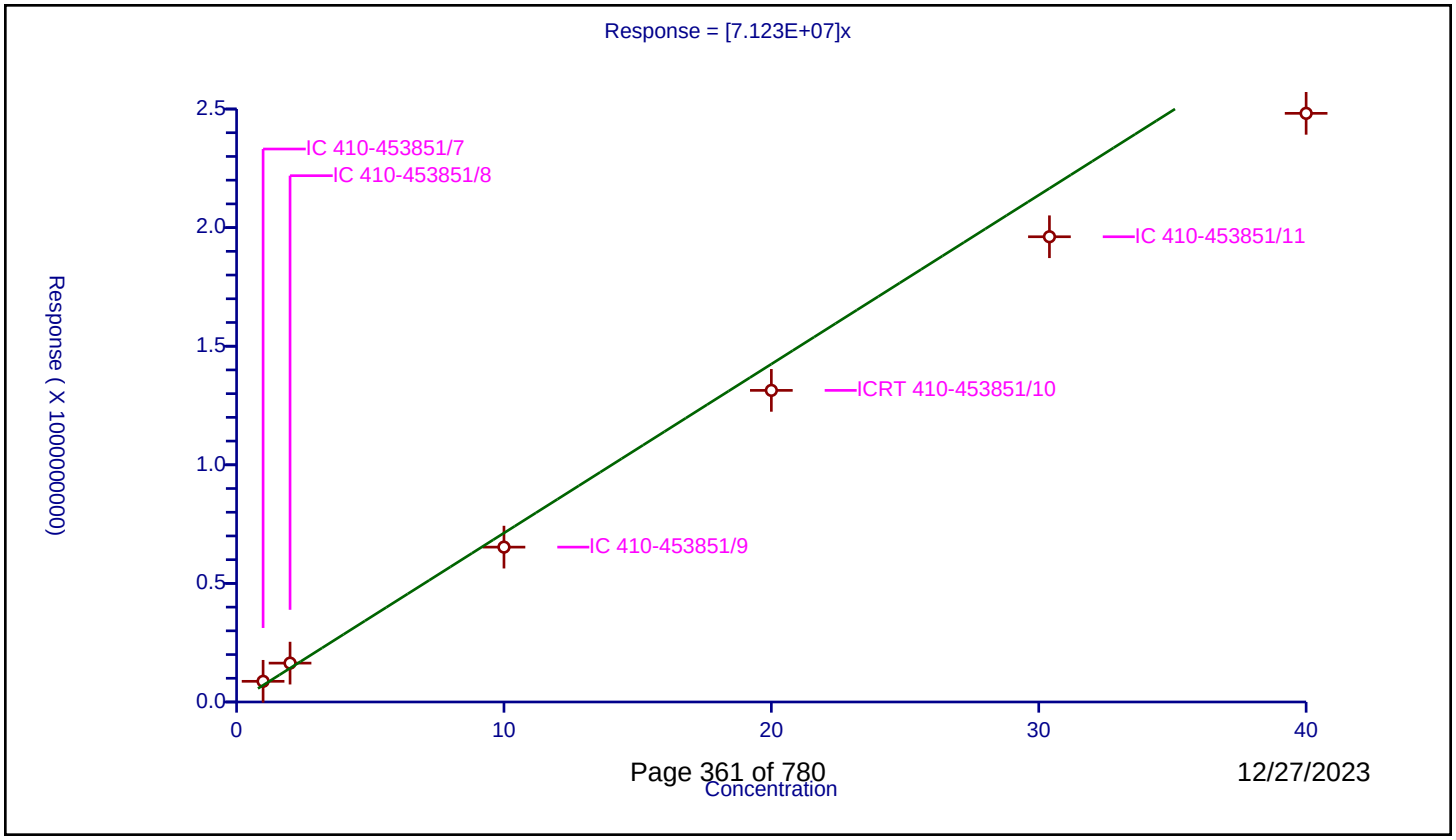
Curve Coefficients

Intercept:	0
Slope:	7.123E+07

Error Coefficients

Standard Error:	197000000
Relative Standard Error:	15.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	87205268.0			87908536.290323	Y
2	IC 410-453851/8	2.0	163863852.0			81931926.0	Y
3	IC 410-453851/9	10.0	652977160.0			65297716.0	Y
4	ICRT 410-453851/10	20.0	1313739260.0			65686963.0	Y
5	IC 410-453851/11	30.4	1961489292.0			64522674.078947	Y
6	IC 410-453851/12	40.0	2481763928.0			62044098.2	Y



Calibration / 4,4'-DDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

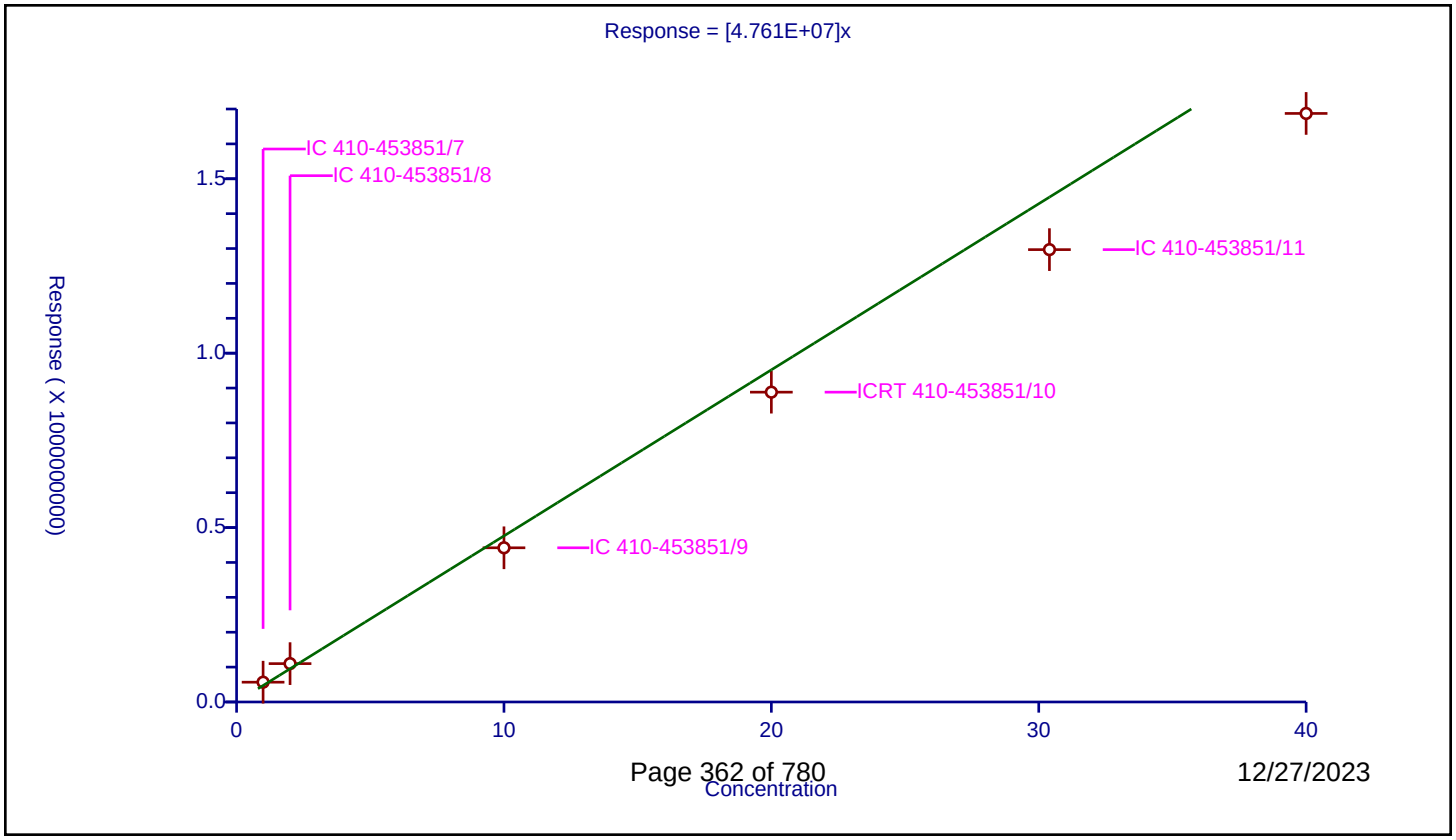
Curve Coefficients

Intercept:	0
Slope:	4.761E+07

Error Coefficients

Standard Error:	123000000
Relative Standard Error:	14.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	56746520.0			57204153.225807	Y
2	IC 410-453851/8	2.0	109980711.0			54990355.5	Y
3	IC 410-453851/9	10.0	442108048.0			44210804.8	Y
4	ICRT 410-453851/10	20.0	888246492.0			44412324.6	Y
5	IC 410-453851/11	30.4	1296844785.0			42659367.927632	Y
6	IC 410-453851/12	40.0	1687275315.0			42181882.875	Y



Calibration / Endosulfan II

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

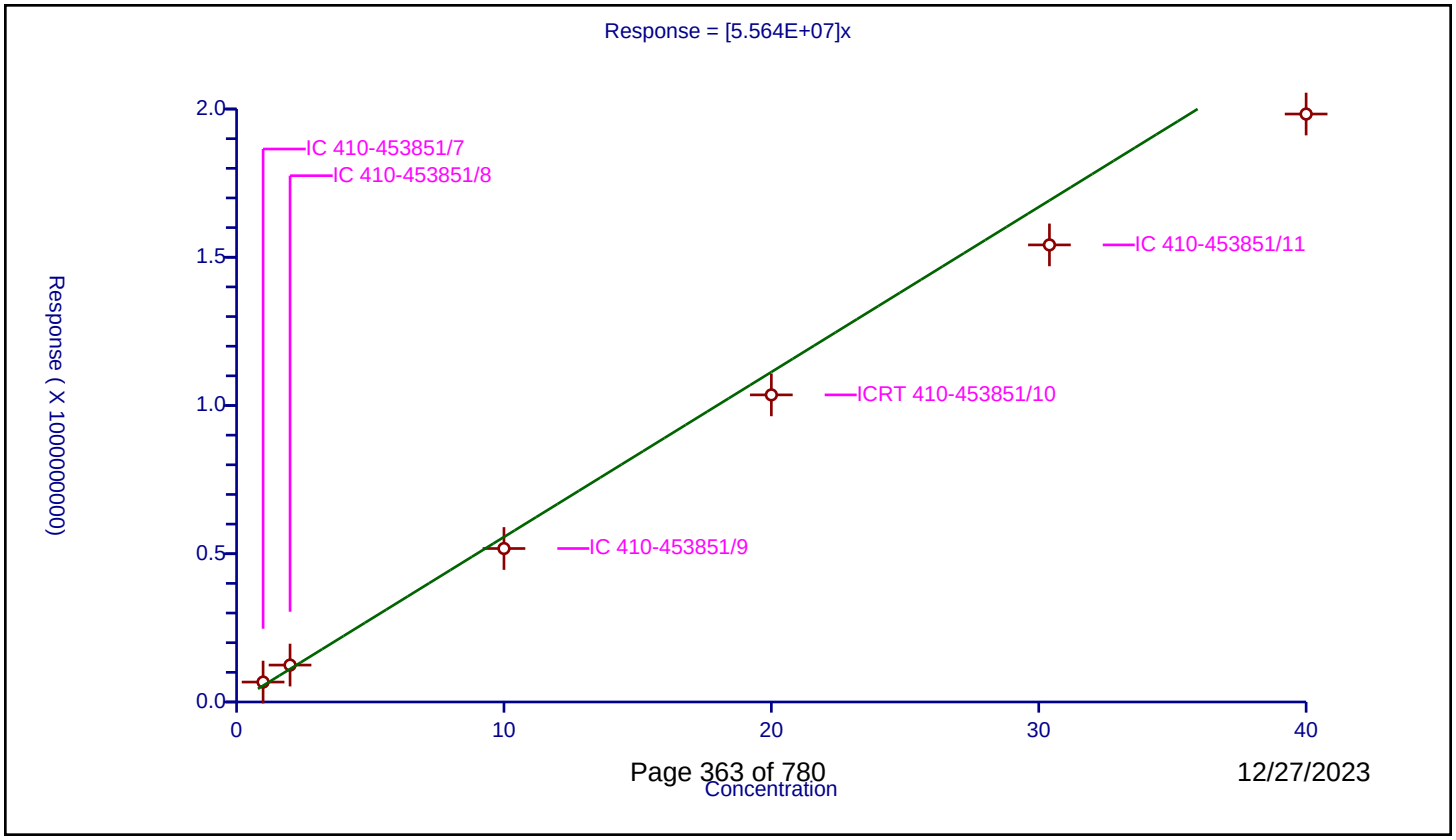
Curve Coefficients

Intercept:	0
Slope:	5.564E+07

Error Coefficients

Standard Error:	134000000
Relative Standard Error:	13.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	67212999.0			67755039.314516	Y
2	IC 410-453851/8	2.0	124523075.0			62261537.5	Y
3	IC 410-453851/9	10.0	517662677.0			51766267.7	Y
4	ICRT 410-453851/10	20.0	1035813079.0			51790653.95	Y
5	IC 410-453851/11	30.4	1541677356.0			50713070.921053	Y
6	IC 410-453851/12	40.0	1983094217.0			49577355.425	Y



Calibration / Endrin aldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

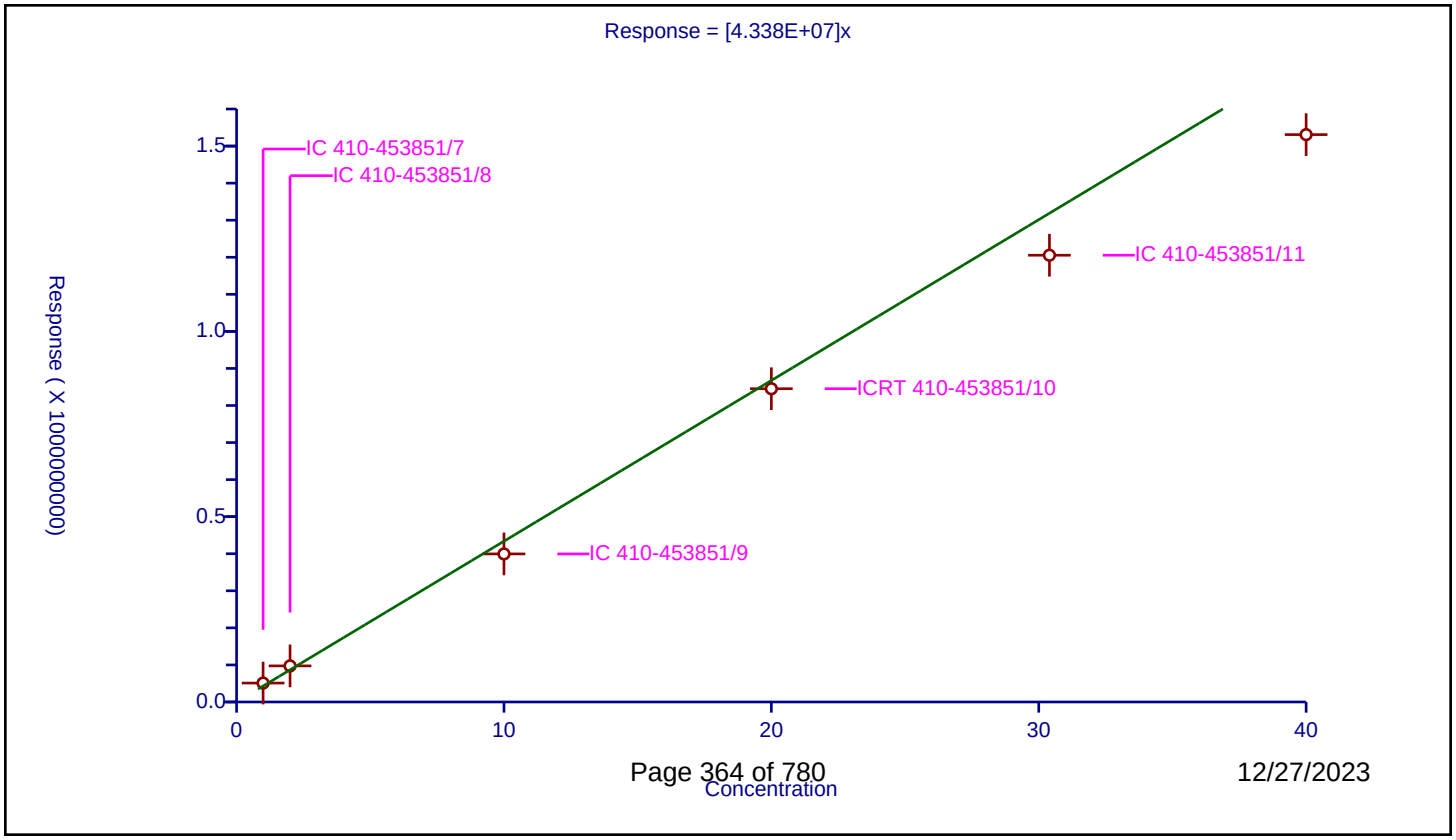
Curve Coefficients

Intercept:	0
Slope:	4.338E+07

Error Coefficients

Standard Error:	106000000
Relative Standard Error:	12.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	51033023.0			51444579.637097	Y
2	IC 410-453851/8	2.0	97370094.0			48685047.0	Y
3	IC 410-453851/9	10.0	399516375.0			39951637.5	Y
4	ICRT 410-453851/10	20.0	845242119.0			42262105.95	Y
5	IC 410-453851/11	30.4	1205491034.0			39654310.328947	Y
6	IC 410-453851/12	40.0	1530891155.0			38272278.875	Y



Calibration / 4,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

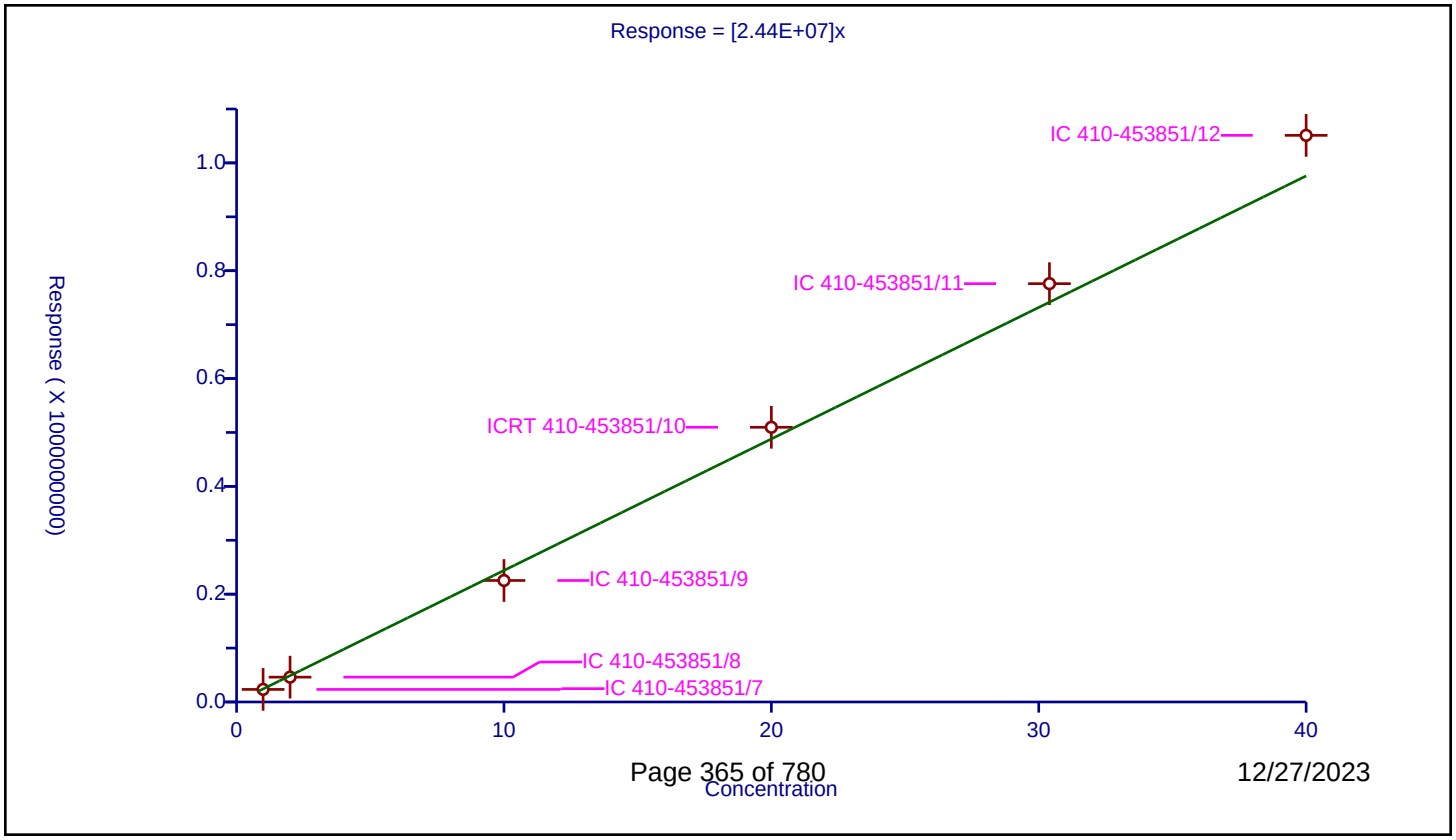
Curve Coefficients

Intercept:	0
Slope:	2.44E+07

Error Coefficients

Standard Error:	39100000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	23327271.0			23515394.153226	Y
2	IC 410-453851/8	2.0	46082633.0			23041316.5	Y
3	IC 410-453851/9	10.0	225420833.0			22542083.3	Y
4	ICRT 410-453851/10	20.0	509575377.0			25478768.85	Y
5	IC 410-453851/11	30.4	776021504.0			25527023.157895	Y
6	IC 410-453851/12	40.0	1051132790.0			26278319.75	Y



Calibration / Endosulfan sulfate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

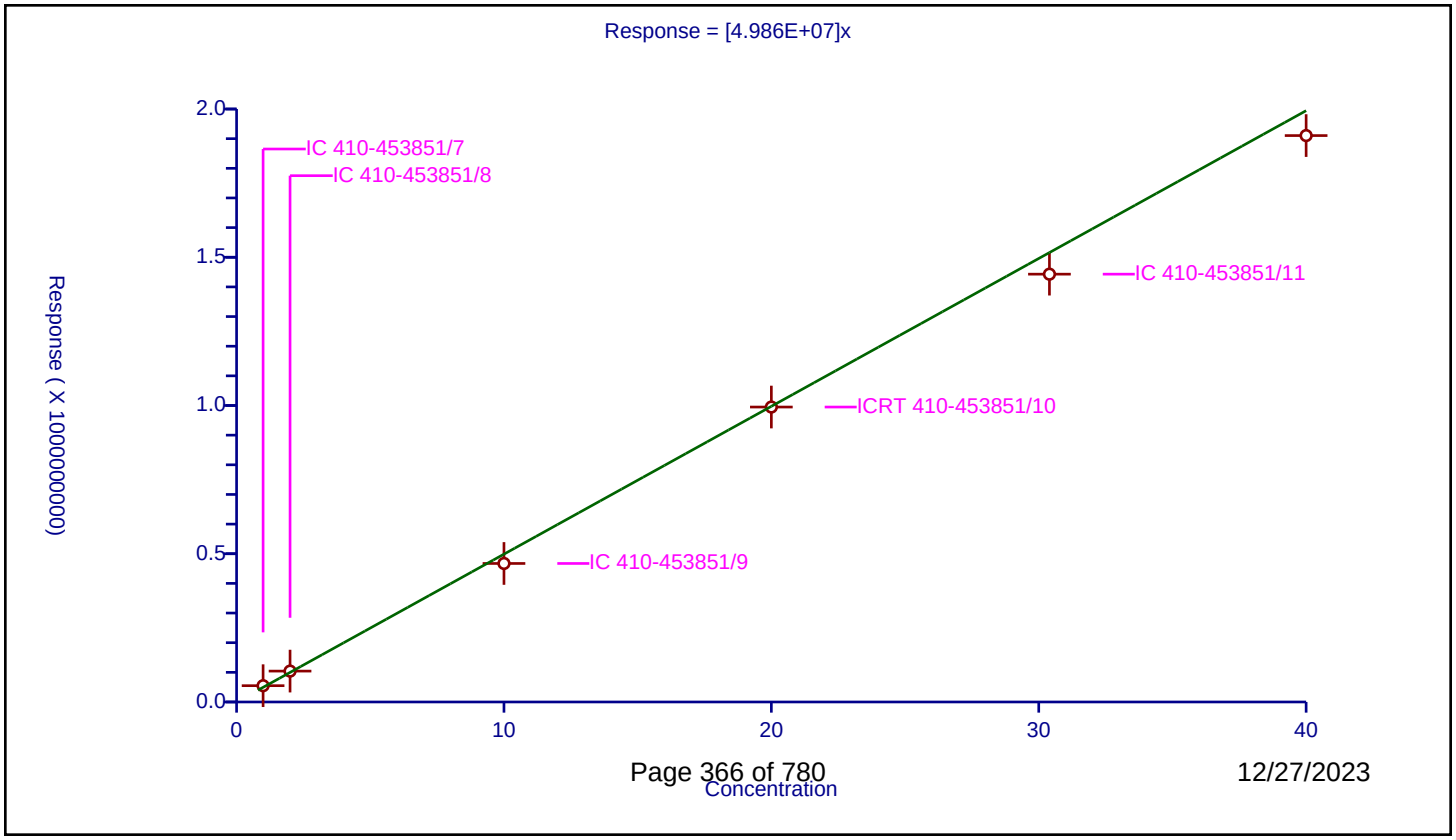
Curve Coefficients

Intercept:	0
Slope:	4.986E+07

Error Coefficients

Standard Error:	51800000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.992	54954279.0			55397458.669355	Y
2	IC 410-453851/8	2.0	104152957.0			52076478.5	Y
3	IC 410-453851/9	10.0	467233453.0			46723345.3	Y
4	ICRT 410-453851/10	20.0	994795646.0			49739782.3	Y
5	IC 410-453851/11	30.4	1442945828.0			47465323.289474	Y
6	IC 410-453851/12	40.0	1910402671.0			47760066.775	Y



Calibration / Methoxychlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

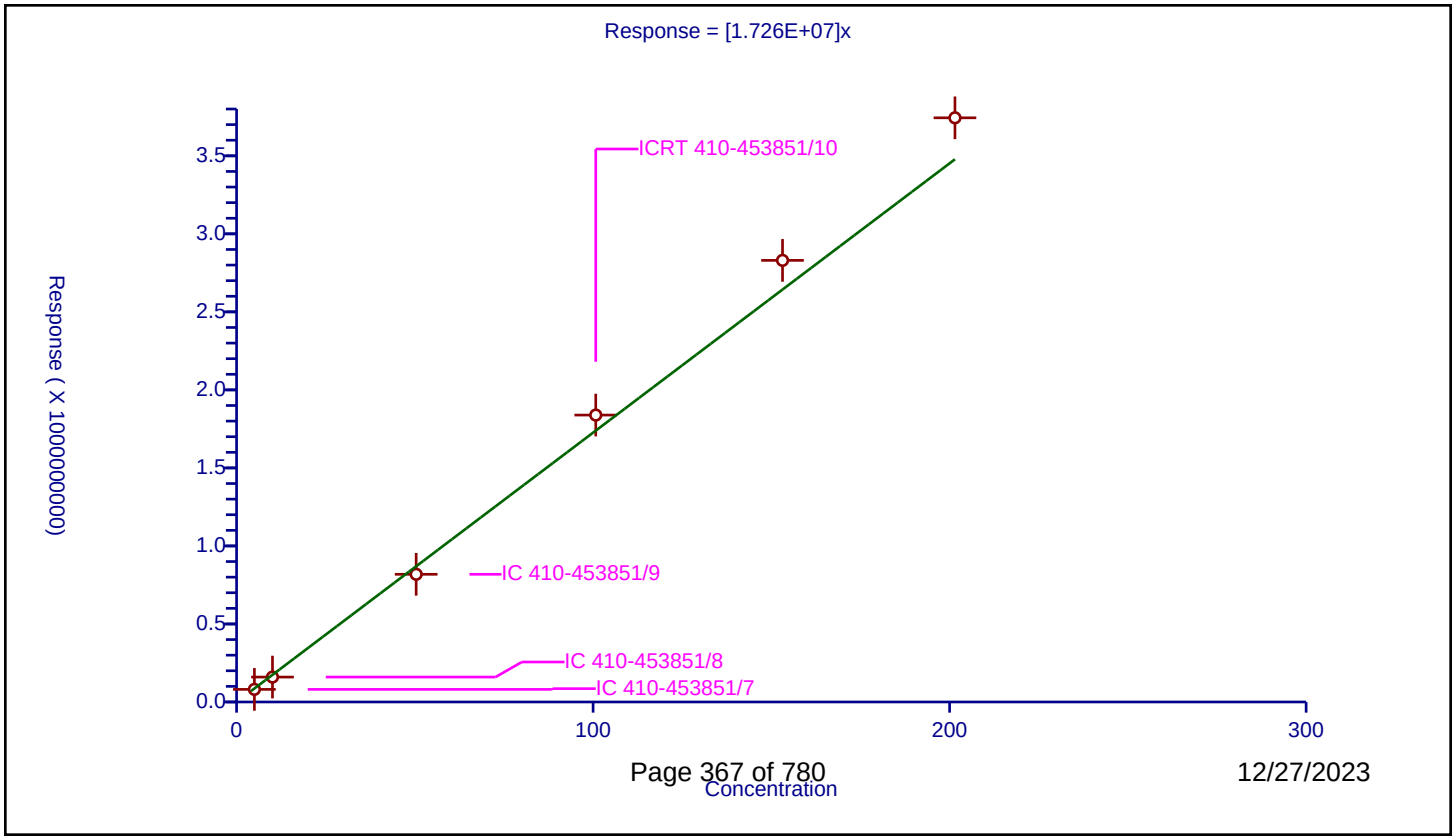
Curve Coefficients

Intercept:	0
Slope:	1.726E+07

Error Coefficients

Standard Error:	154000000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	4.9972	80753250.0			16159699.431682	Y
2	IC 410-453851/8	10.075	159616205.0			15842799.503722	Y
3	IC 410-453851/9	50.375	818344122.0			16245044.605459	Y
4	ICRT 410-453851/10	100.75	1838765573.0			18250774.918114	Y
5	IC 410-453851/11	153.14	2830055142.0			18480182.460494	Y
6	IC 410-453851/12	201.5	3743559803.0			18578460.560794	Y



Calibration / Endrin ketone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

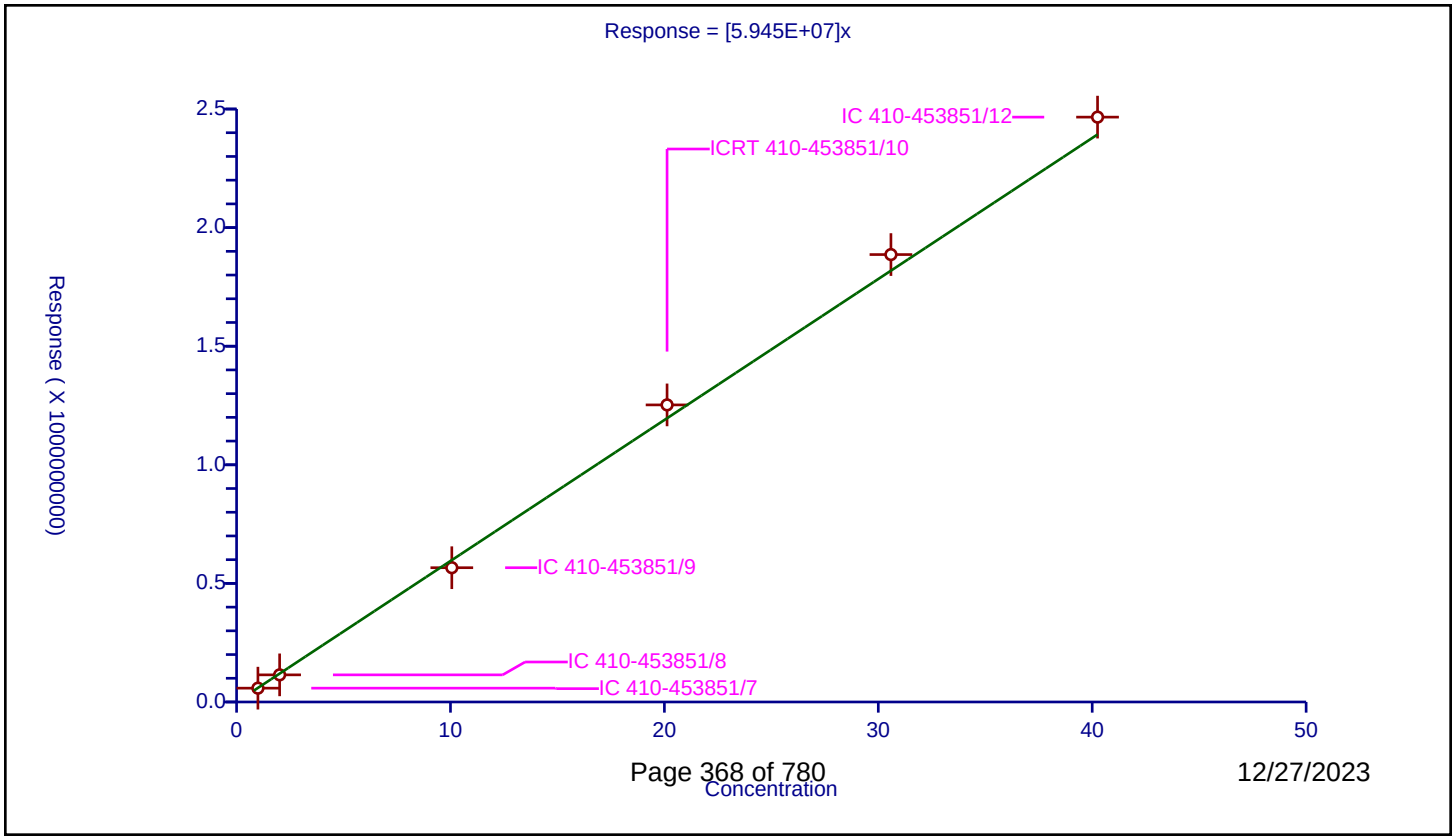
Curve Coefficients

Intercept:	0
Slope:	5.945E+07

Error Coefficients

Standard Error:	53200000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	0.9982	58271695.0			58376773.191745	Y
2	IC 410-453851/8	2.0125	114443736.0			56866452.670808	Y
3	IC 410-453851/9	10.0625	566155714.0			56263921.888199	Y
4	ICRT 410-453851/10	20.125	1252547297.0			62238375.006211	Y
5	IC 410-453851/11	30.59	1886328668.0			61664879.633867	Y
6	IC 410-453851/12	40.25	2465830966.0			61262881.142857	Y



Calibration / DCB Decachlorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

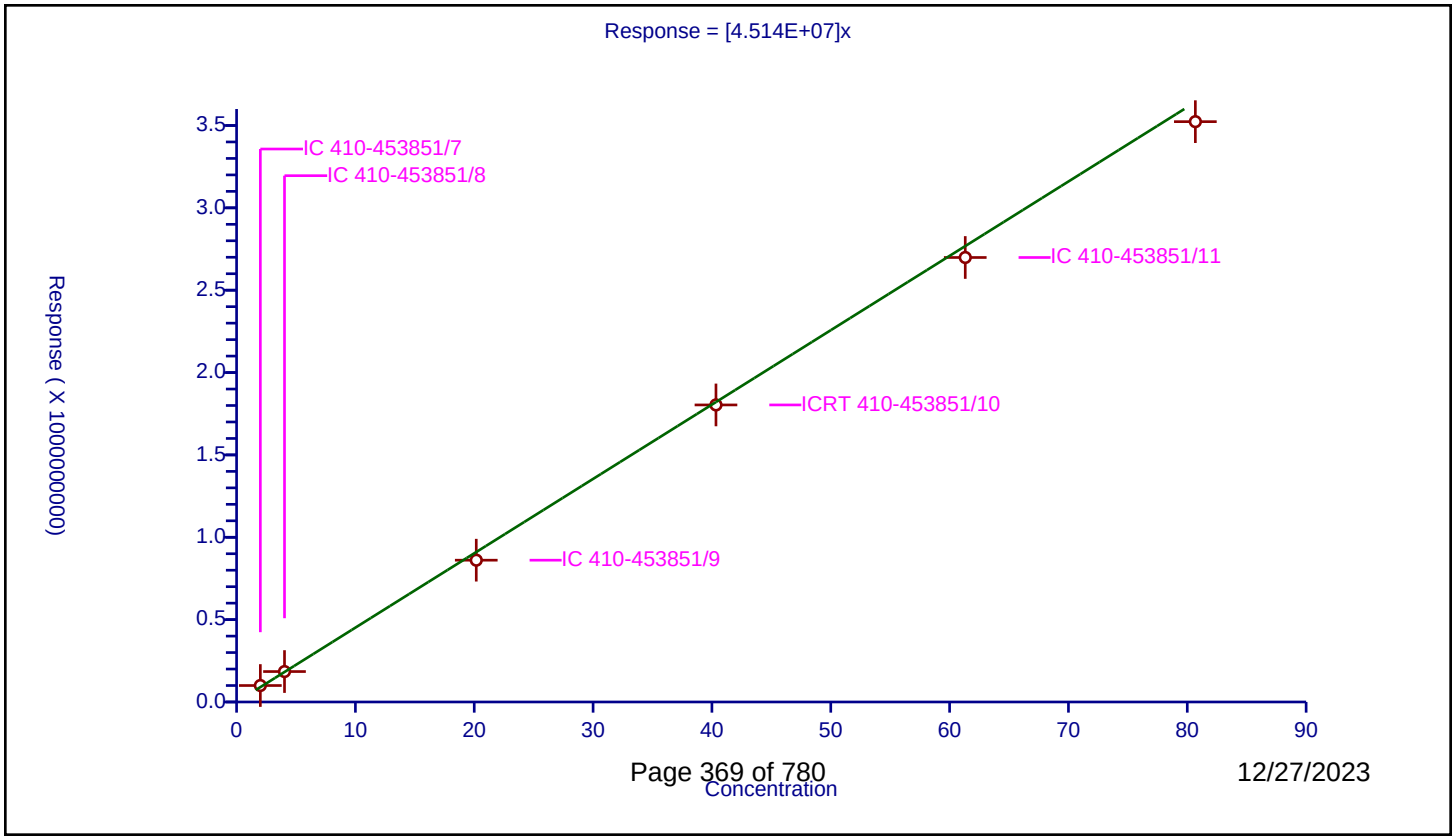
Curve Coefficients

Intercept:	0
Slope:	4.514E+07

Error Coefficients

Standard Error:	66000000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/7	2.000864	99969537.0			49963184.404337	Y
2	IC 410-453851/8	4.034	184801707.0			45811032.969757	Y
3	IC 410-453851/9	20.17	860941009.0			42684234.457115	Y
4	ICRT 410-453851/10	40.34	1803466368.0			44706652.652454	Y
5	IC 410-453851/11	61.3168	2698578322.0			44010423.277144	Y
6	IC 410-453851/12	80.68	3523294753.0			43669989.501735	Y



FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 09:23 Calibration End Date: 12/14/2023 10:35 Calibration ID: 56829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/26	41PEST23348001.026.D
Level 2	IC 410-453851/27	41PEST23348001.027.D
Level 3	IC 410-453851/28	41PEST23348001.028.D
Level 4	ICRT 410-453851/29	41PEST23348001.029.D
Level 5	IC 410-453851/30	41PEST23348001.030.D
Level 6	IC 410-453851/31	41PEST23348001.031.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	5.135	5.135	5.133	5.133	5.137	5.133					5.103 - 5.163	5.134
Toxaphene Peak 2	5.348	5.350	5.347	5.348	5.350	5.348					5.318 - 5.378	5.349
Toxaphene Peak 3	5.400	5.402	5.398	5.400	5.402	5.398					5.370 - 5.430	5.400
Toxaphene Peak 4	5.728	5.732	5.728	5.730	5.732	5.730					5.700 - 5.760	5.730
Toxaphene Peak 5	5.973	5.975	5.972	5.973	5.975	5.973					5.943 - 6.003	5.974

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 09:23 Calibration End Date: 12/14/2023 10:35 Calibration ID: 56829

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/26	41PEST23348001.026.D
Level 2	IC 410-453851/27	41PEST23348001.027.D
Level 3	IC 410-453851/28	41PEST23348001.028.D
Level 4	ICRT 410-453851/29	41PEST23348001.029.D
Level 5	IC 410-453851/30	41PEST23348001.030.D
Level 6	IC 410-453851/31	41PEST23348001.031.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	1526797 1621937	1621924 1702231	1659450	1647920	Ave		1630043.05				3.6		20.0			
Toxaphene Peak 2	1839861 2465105	2046135 2737474	2140432	2337702	Ave		2261118.14				14.2		20.0			
Toxaphene Peak 3	1829951 2241867	2039254 2356940	2063087	2184576	Ave		2119279.13				8.7		20.0			
Toxaphene Peak 4	2210498 3151280	2389076 3417280	2589467	2935554	Ave		2782192.65				16.7		20.0			
Toxaphene Peak 5	1427935 2262099	1488937 2571506	1702163	2108543	Qua	-51189621	2037018.05	280.004352						1.0000		0.9900

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 09:23 Calibration End Date: 12/14/2023 10:35 Calibration ID: 56829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/26	41PEST23348001.026.D
Level 2	IC 410-453851/27	41PEST23348001.027.D
Level 3	IC 410-453851/28	41PEST23348001.028.D
Level 4	ICRT 410-453851/29	41PEST23348001.029.D
Level 5	IC 410-453851/30	41PEST23348001.030.D
Level 6	IC 410-453851/31	41PEST23348001.031.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	76339835 3404462650	162192351	331889943	823959864	1621937300	50.0 2000	100	200	500	1000
Toxaphene Peak 2	Ave	91993045 5474948513	204613490	428086348	1168851102	2465104836	50.0 2000	100	200	500	1000
Toxaphene Peak 3	Ave	91497535 4713880993	203925422	412617317	1092287768	2241867229	50.0 2000	100	200	500	1000
Toxaphene Peak 4	Ave	110524924 6834560559	238907620	517893462	1467777013	3151279606	50.0 2000	100	200	500	1000
Toxaphene Peak 5	Qua	71396753 5143011260	148893742	340432578	1054271692	2262098800	50.0 2000	100	200	500	1000

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 09:23 Calibration End Date: 12/14/2023 10:35 Calibration ID: 56829

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/26	41PEST23348001.026.D
Level 2	IC 410-453851/27	41PEST23348001.027.D
Level 3	IC 410-453851/28	41PEST23348001.028.D
Level 4	ICRT 410-453851/29	41PEST23348001.029.D
Level 5	IC 410-453851/30	41PEST23348001.030.D
Level 6	IC 410-453851/31	41PEST23348001.031.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Toxaphene Peak 5	19.4	-3.1	-6.3	1.5	-0.1	0.0	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.026.D
Lims ID: ic tox1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Dec-2023 09:23:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:14 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:17:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.135	5.133	0.002	76339835H	50.0	46.8	M
1	5.348	5.348	0.000	91993045H	50.0	40.7	M
1	5.400	5.400	0.000	91497535H	50.0	43.2	M
1	5.728	5.730	-0.002	110524924H	50.0	39.7	M
1	5.973	5.973	0.000	71396753H	50.0	59.7	
		Average of Peak Amounts =				46.0	
2	5.295	5.297	-0.002	27963860H	50.0	44.4	M
2	5.520	5.522	-0.002	23930507H	50.0	36.1	M
2	5.700	5.700	0.000	33301705H	50.0	36.6	M
2	5.755	5.757	-0.002	26818024H	50.0	55.1	M
2	6.092	6.092	0.000	31797827H	50.0	63.1	M
		Average of Peak Amounts =				47.0	
						RPD = 2.21	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX1_00017 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:14 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.026.D

Injection Date: 14-Dec-2023 09:23:00 Instrument ID: 9147

Lims ID: ic tox1

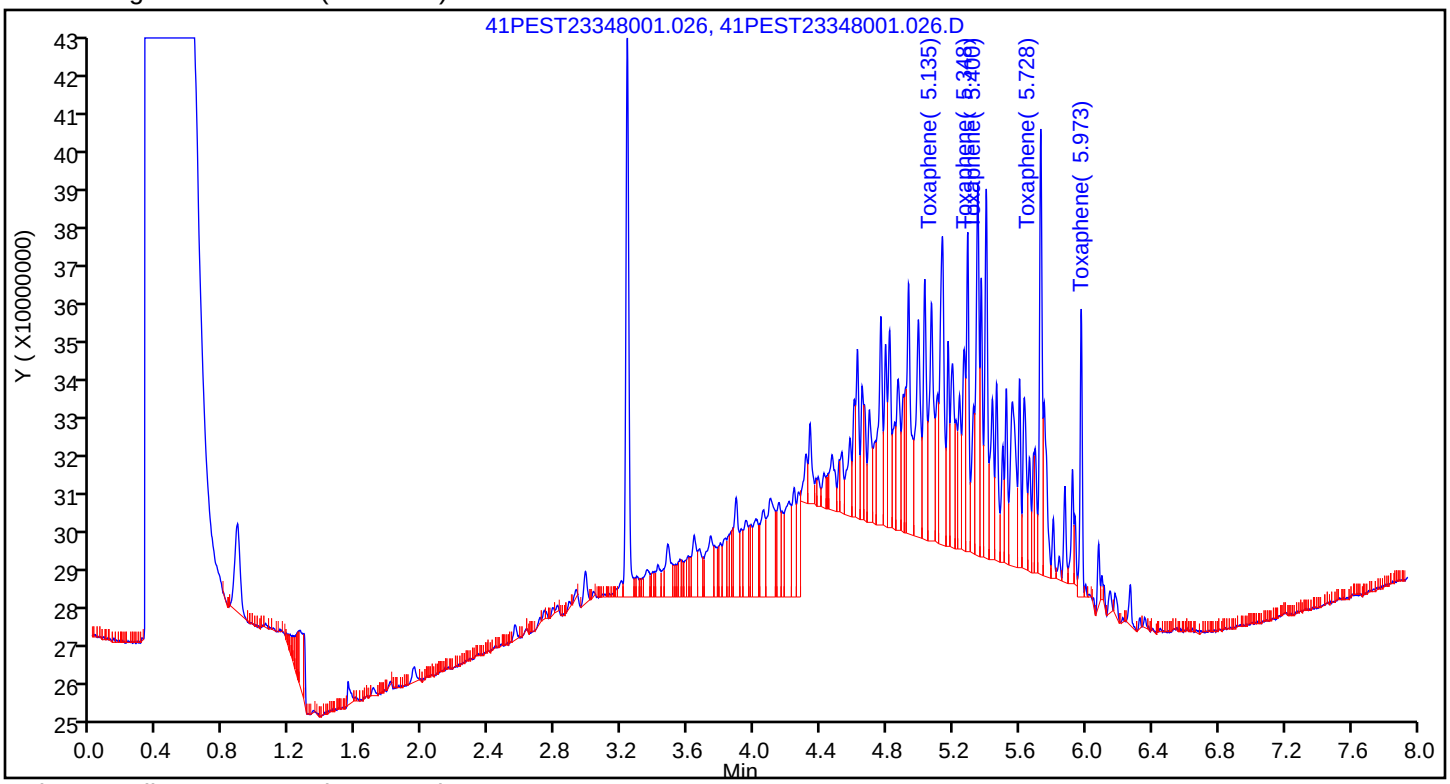
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

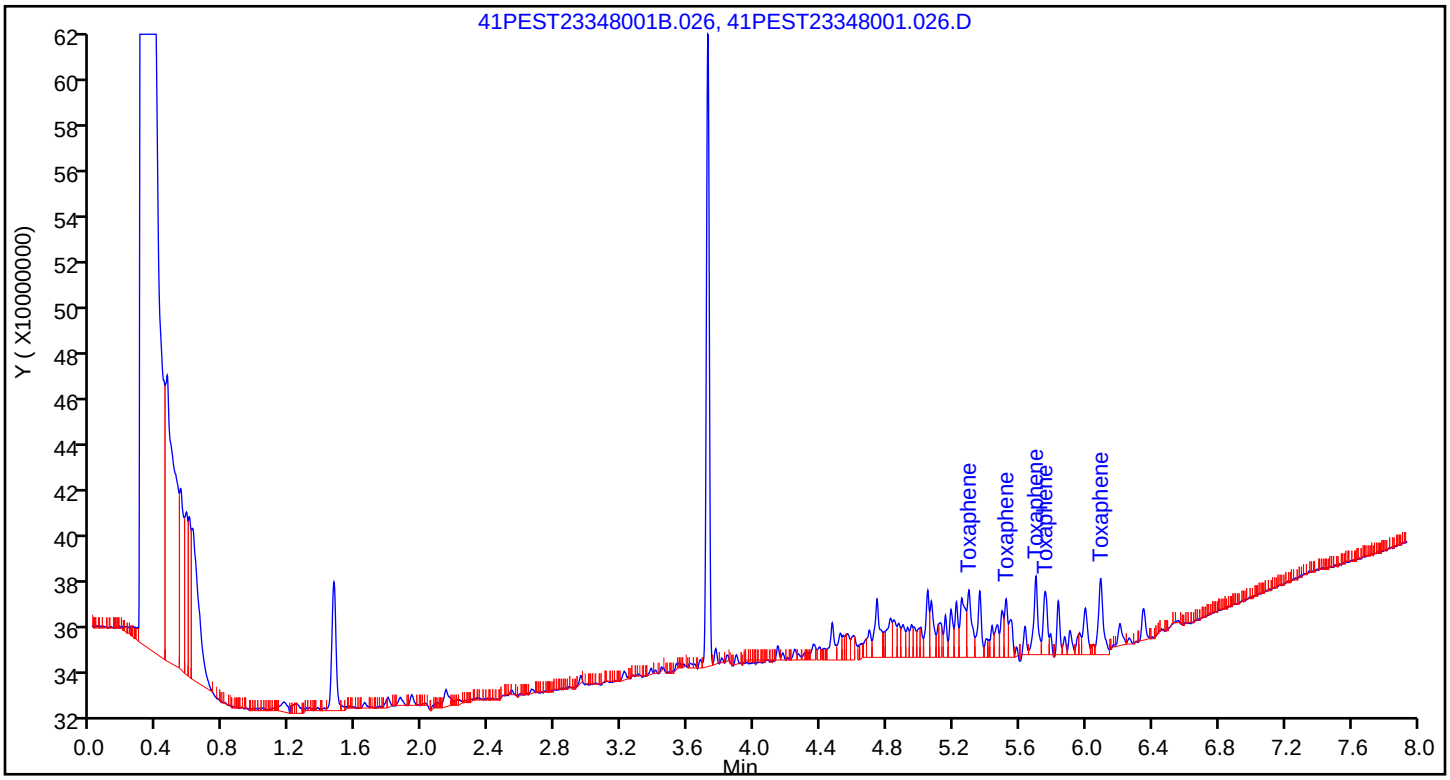
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Report Date: 14-Dec-2023 12:33:14 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.026.D

Injection Date: 14-Dec-2023 09:23:00 Instrument ID: 9147

Lims ID: ic tox1

Client ID:

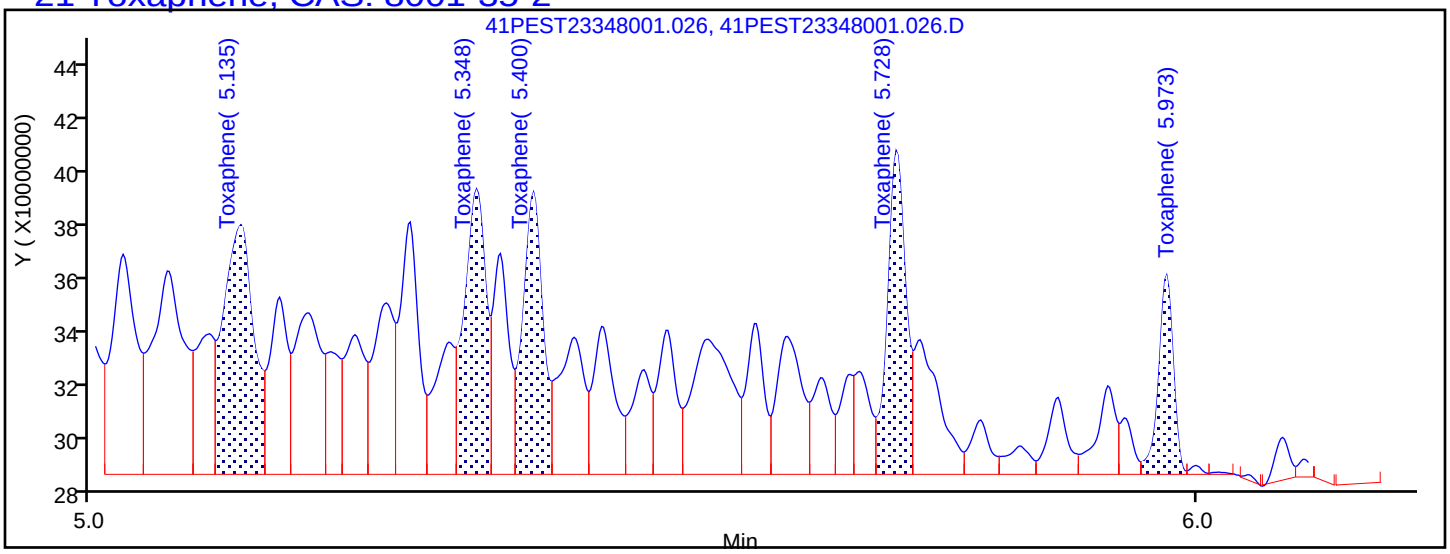
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

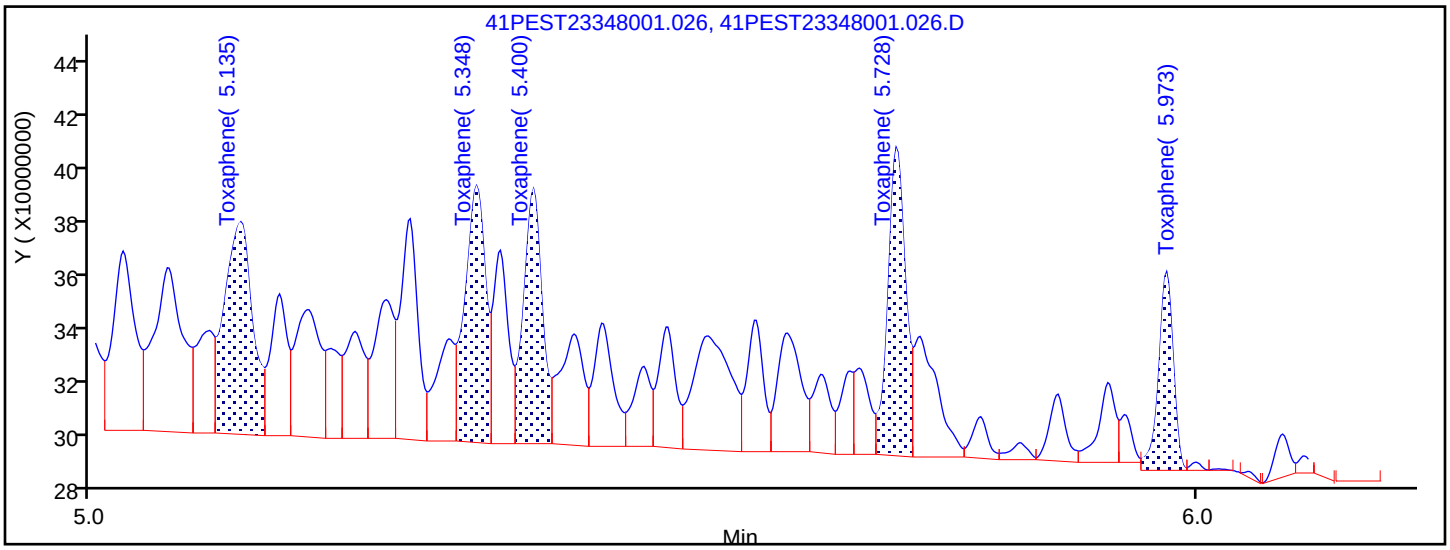
Column: Agilent DB-CLP1 (0.32 mm) Detector 1AECDA

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.135	Response = 89407791
5.348	Response = 102348275
5.400	Response = 101195776
5.728	Response = 116048110
5.973	Response = 71396753



Manual Integration Results

5.135	Response = 76339835	M
5.348	Response = 91993045	M
5.400	Response = 91497535	M
5.728	Response = 110524924	M
5.973	Response = 71396753	

Reviewer: UAMZ, 14-Dec-2023 12:23:22 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.027.D
Lims ID: ic t2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Dec-2023 09:37:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:17 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:15:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.135	5.133	0.002	162192351H	100.0	99.5	
1	5.350	5.348	0.002	204613490H	100.0	90.5	
1	5.402	5.400	0.002	203925422H	100.0	96.2	
1	5.732	5.730	0.002	238907620H	100.0	85.9	
1	5.975	5.973	0.002	148893742H	100.0	96.9	
		Average of Peak Amounts =				93.8	
2	5.298	5.297	0.001	67794266H	100.0	107.7	M
2	5.523	5.522	0.001	63812452H	100.0	96.2	M
2	5.703	5.700	0.003	82794600H	100.0	90.9	M
2	5.758	5.757	0.001	69250403H	100.0	100.7	M
2	6.093	6.092	0.001	69834725H	100.0	100.4	M
		Average of Peak Amounts =				99.2	
						RPD = 5.55	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX2_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:17 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.027.D

Injection Date: 14-Dec-2023 09:37:00 Instrument ID: 9147

Lims ID: ic t2

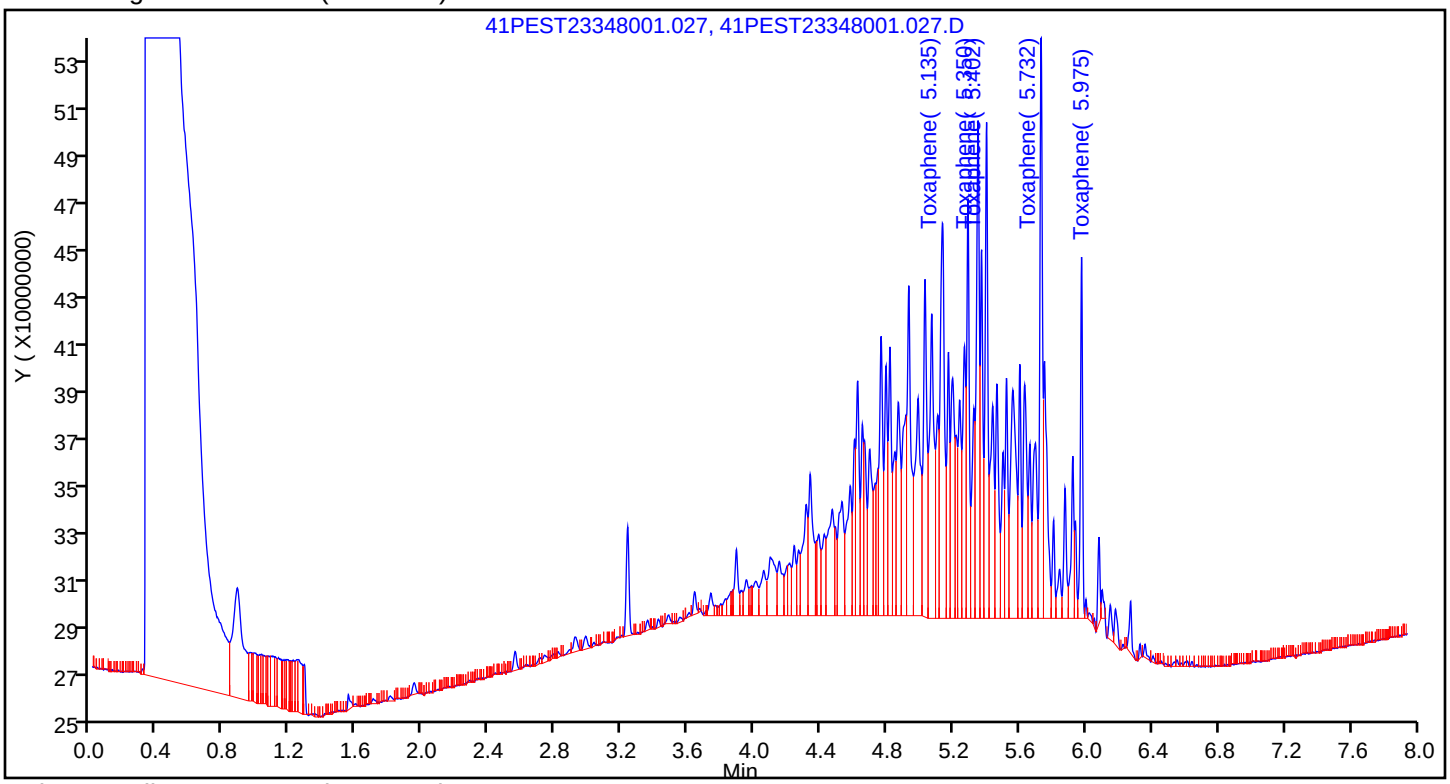
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

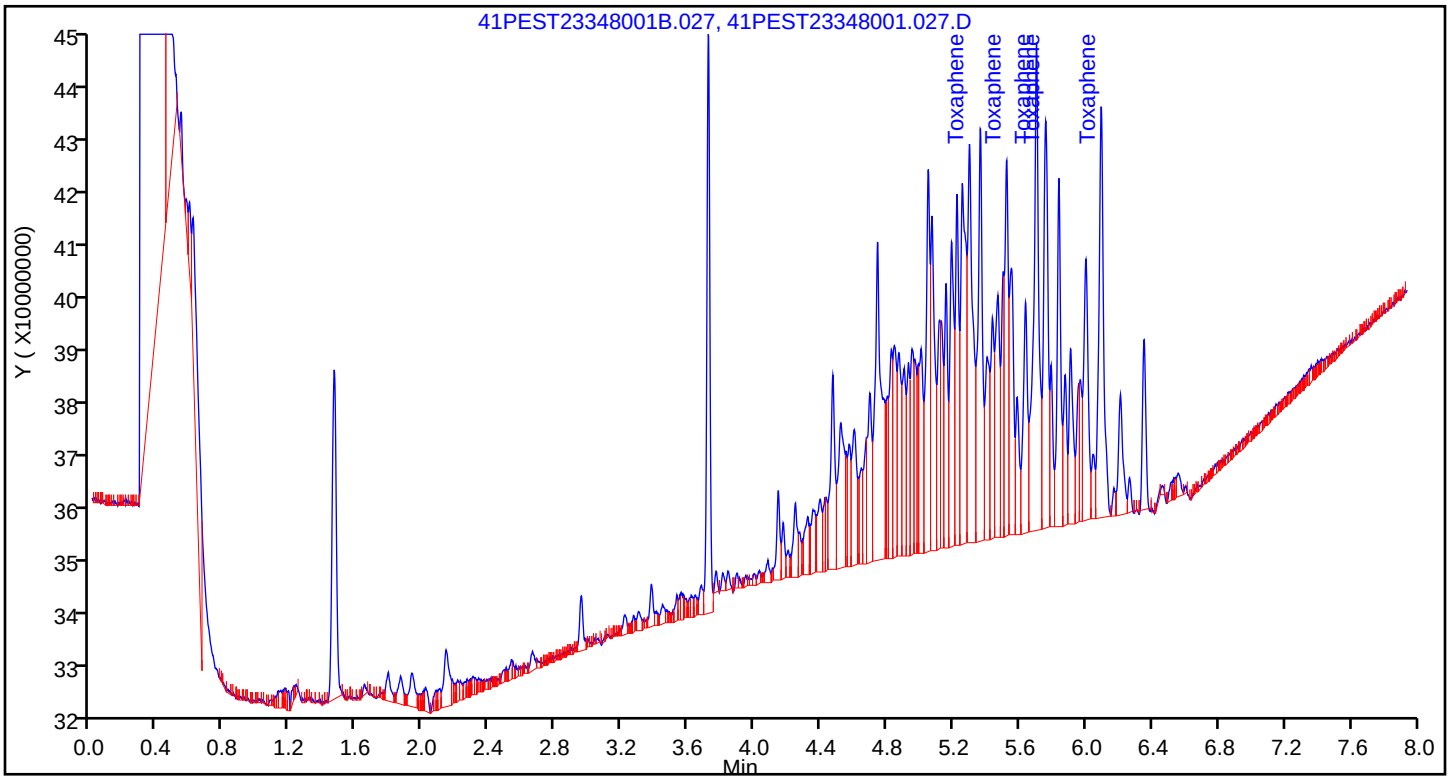
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.028.D
Lims ID: ic t3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Dec-2023 09:52:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:20 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:17:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.133	5.133	0.000	331889943H	200.0	203.6	M
1	5.347	5.348	-0.001	428086348H	200.0	189.3	M
1	5.398	5.400	-0.002	412617317H	200.0	194.7	M
1	5.728	5.730	-0.002	517893462H	200.0	186.1	M
1	5.972	5.973	-0.001	340432578H	200.0	187.4	M
		Average of Peak Amounts =				192.2	
2	5.300	5.297	0.003	133539784H	200.0	212.0	M
2	5.523	5.522	0.001	137685612H	200.0	207.5	M
2	5.703	5.700	0.003	178528952H	200.0	196.1	M
2	5.758	5.757	0.001	155996669H	200.0	192.6	M
2	6.093	6.092	0.001	160447756H	200.0	186.8	M
		Average of Peak Amounts =				199.0	
					RPD =	3.46	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX3_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:21 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.028.D

Injection Date: 14-Dec-2023 09:52:00 Instrument ID: 9147

Lims ID: ic t3

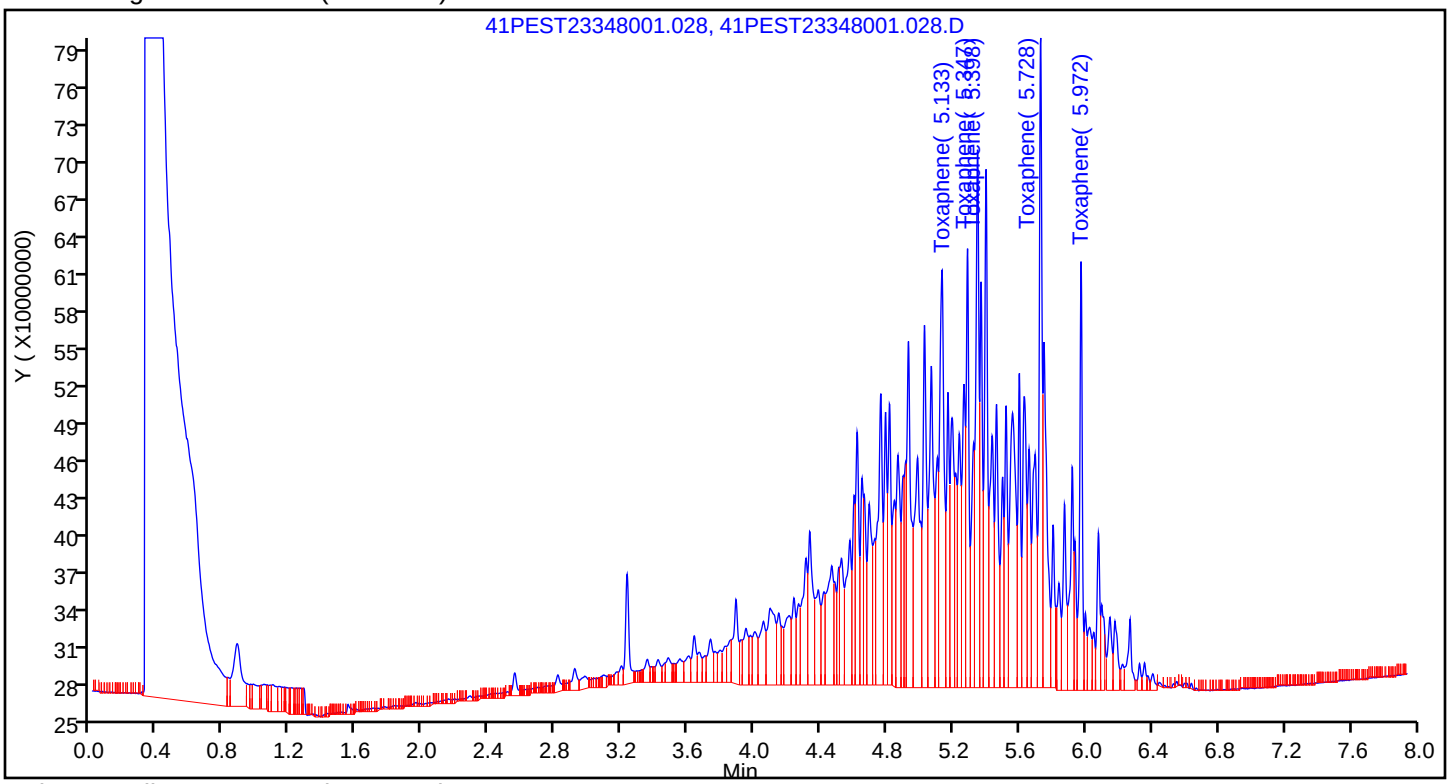
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

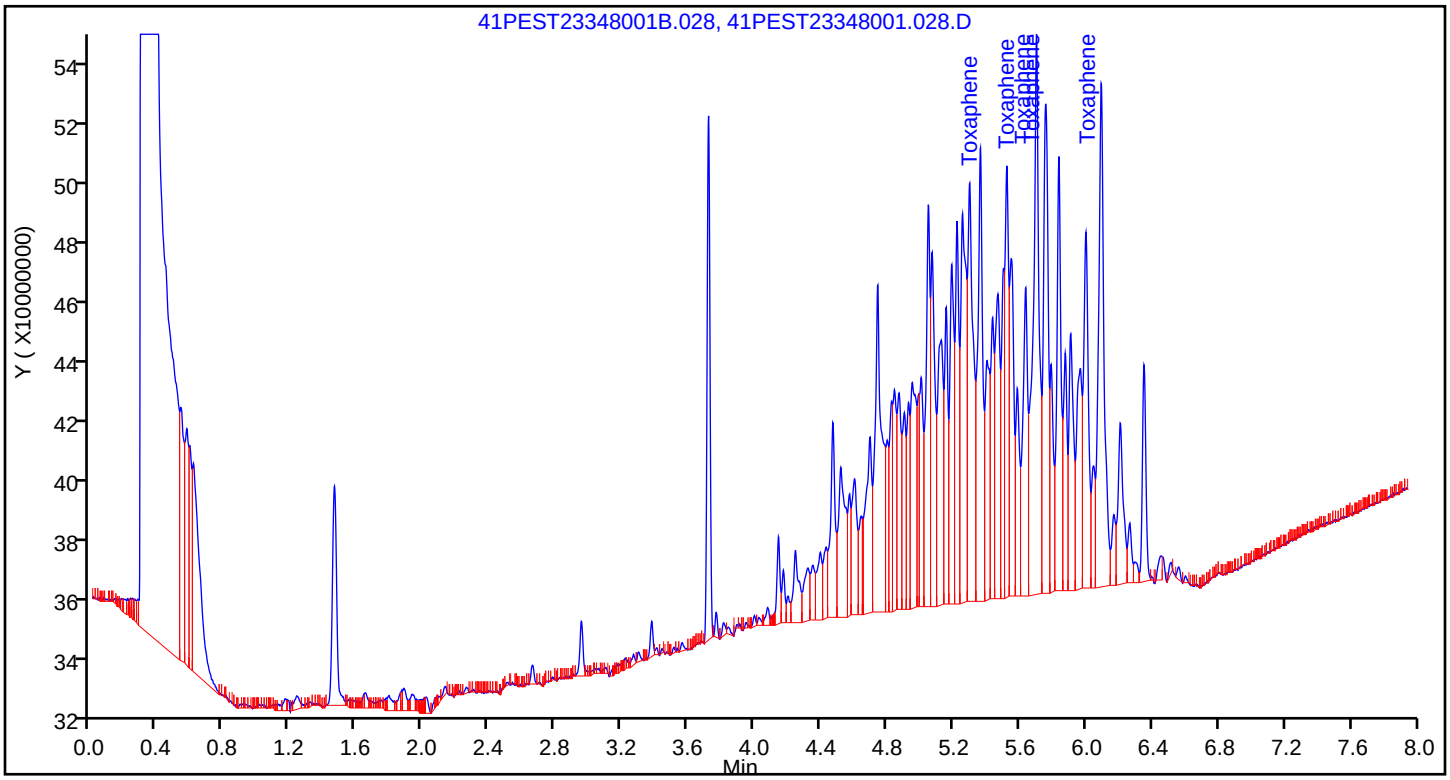
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Report Date: 14-Dec-2023 12:33:21 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.028.D

Injection Date: 14-Dec-2023 09:52:00 Instrument ID: 9147

Lims ID: ic t3

Client ID:

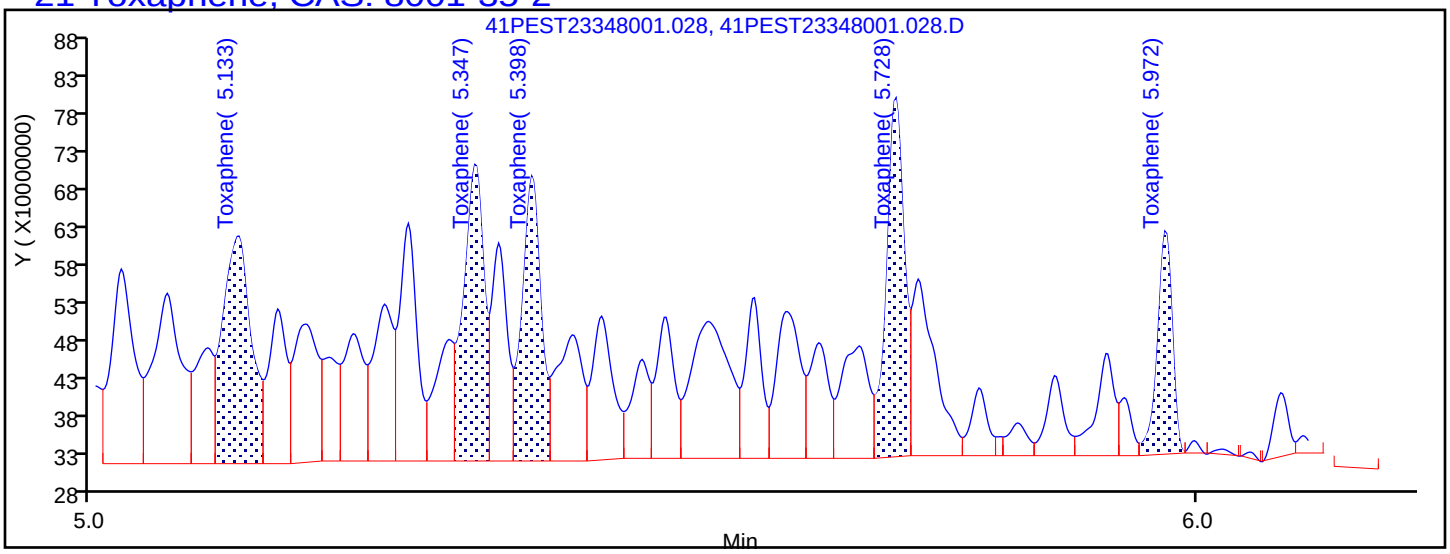
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

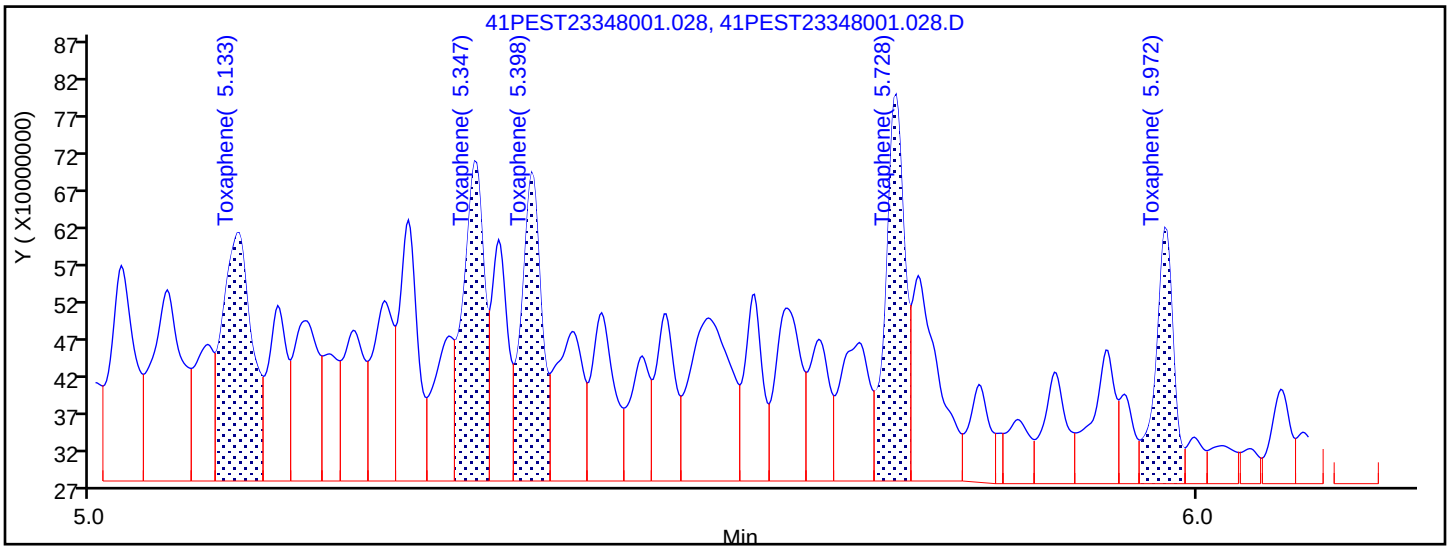
Column: Agilent DB-CLP1 (0.32 mm) Detector 1AECDA

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.133	Response = 302994657
5.347	Response = 395752763
5.398	Response = 379451020
5.728	Response = 479408547
5.972	Response = 298025855



Manual Integration Results

5.133	Response = 331889943	M
5.347	Response = 428086348	M
5.398	Response = 412617317	M
5.728	Response = 517893462	M
5.972	Response = 340432578	M

Reviewer: UAMZ, 14-Dec-2023 11:17:38 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.029.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 14-Dec-2023 10:06:00 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:24 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.133	5.133	0.000	823959864H	500.0	505.5	
1	5.348	5.348	0.000	1168851102H	500.0	516.9	
1	5.400	5.400	0.000	1092287768H	500.0	515.4	
1	5.730	5.730	0.000	1467777013H	500.0	527.6	
1	5.973	5.973	0.000	1054271692H	500.0	507.3	
		Average of Peak Amounts =				514.5	
2	5.297	5.297	0.000	325990939H	500.0	517.6	
2	5.522	5.522	0.000	367976570H	500.0	554.6	
2	5.700	5.700	0.000	491942170H	500.0	540.3	
2	5.757	5.757	0.000	458053942H	500.0	500.5	
2	6.092	6.092	0.000	510375018H	500.0	494.8	
		Average of Peak Amounts =				521.6	
						RPD = 1.36	

Reagents:

GCS_TOX4_00013 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:24 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.029.D

Injection Date: 14-Dec-2023 10:06:00 Instrument ID: 9147

Lims ID: icrt

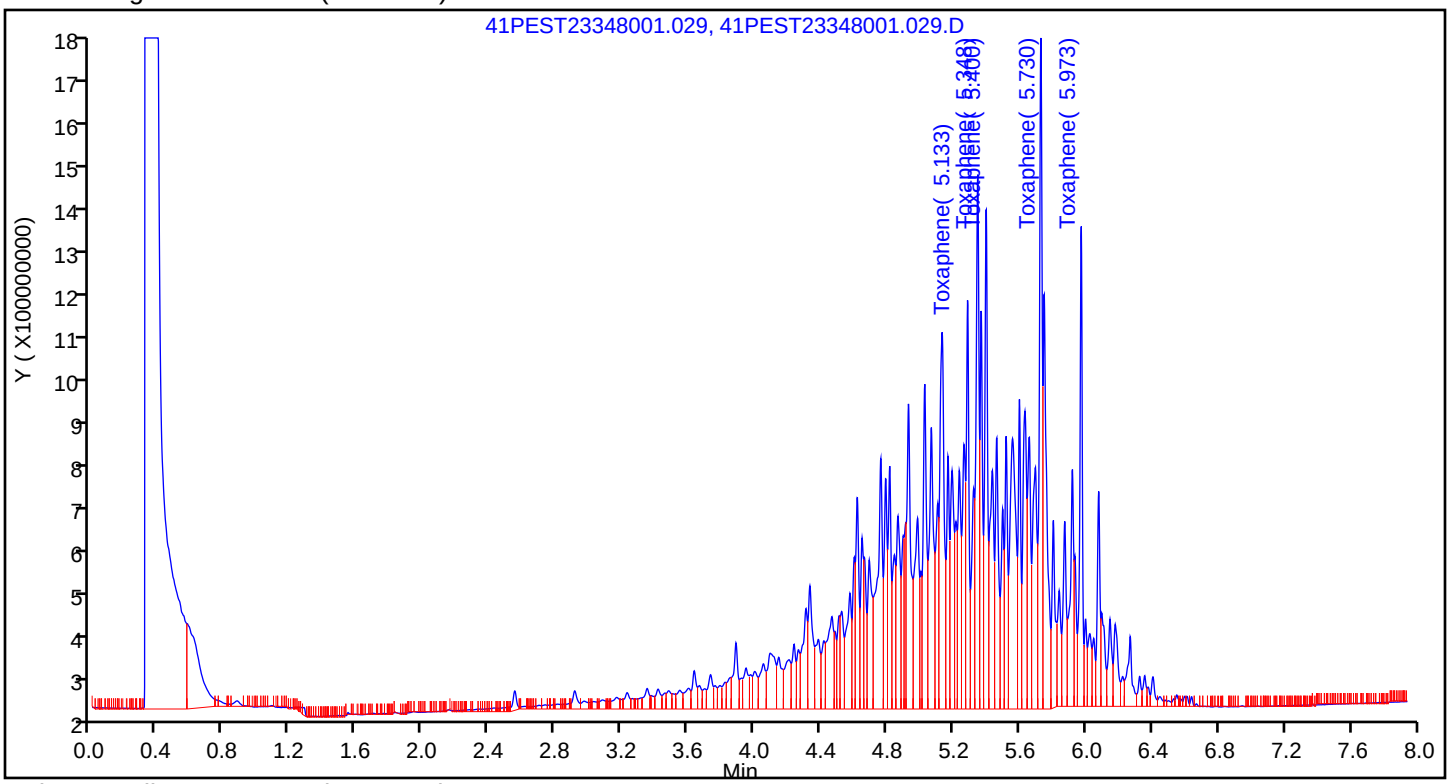
Client ID:

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

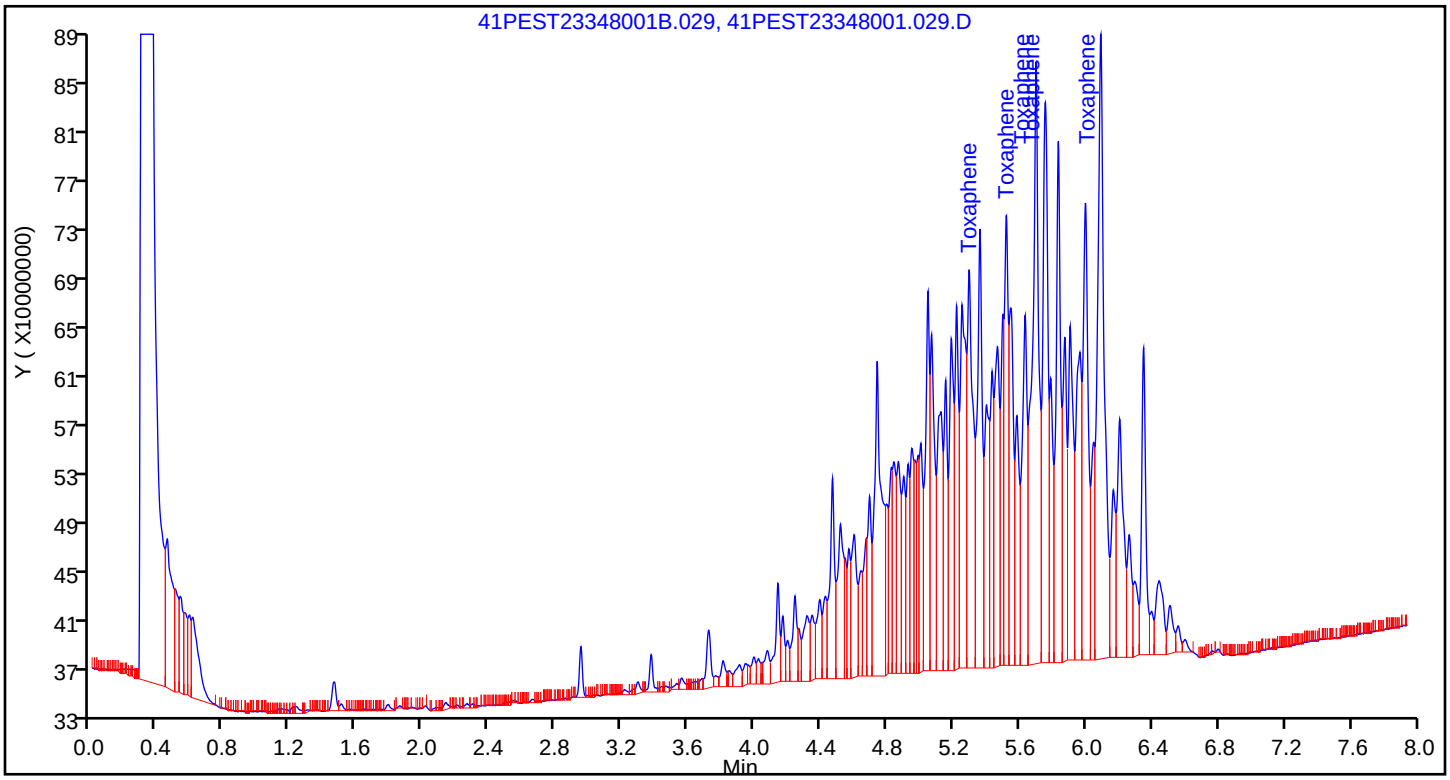
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.030.D
Lims ID: ic t5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Dec-2023 10:21:00 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:28 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.137	5.133	0.004	1621937300H	1000.0	995.0	
1	5.350	5.348	0.002	2465104836H	1000.0	1090.2	
1	5.402	5.400	0.002	2241867229H	1000.0	1057.8	
1	5.732	5.730	0.002	3151279606H	1000.0	1132.7	
1	5.975	5.973	0.002	2262098800H	1000.0	998.6	
		Average of Peak Amounts =				1054.9	
2	5.298	5.297	0.001	621202713H	1000.0	986.4	
2	5.523	5.522	0.001	717325090H	1000.0	1081.2	
2	5.703	5.700	0.003	1005762267H	1000.0	1104.7	
2	5.760	5.757	0.003	987751422H	1000.0	1001.5	
2	6.095	6.092	0.003	1184007435H	1000.0	1005.9	
		Average of Peak Amounts =				1035.9	
						RPD = 1.81	

Reagents:

GCS_TOX5_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:28 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.030.D

Injection Date: 14-Dec-2023 10:21:00 Instrument ID: 9147

Lims ID: ic t5

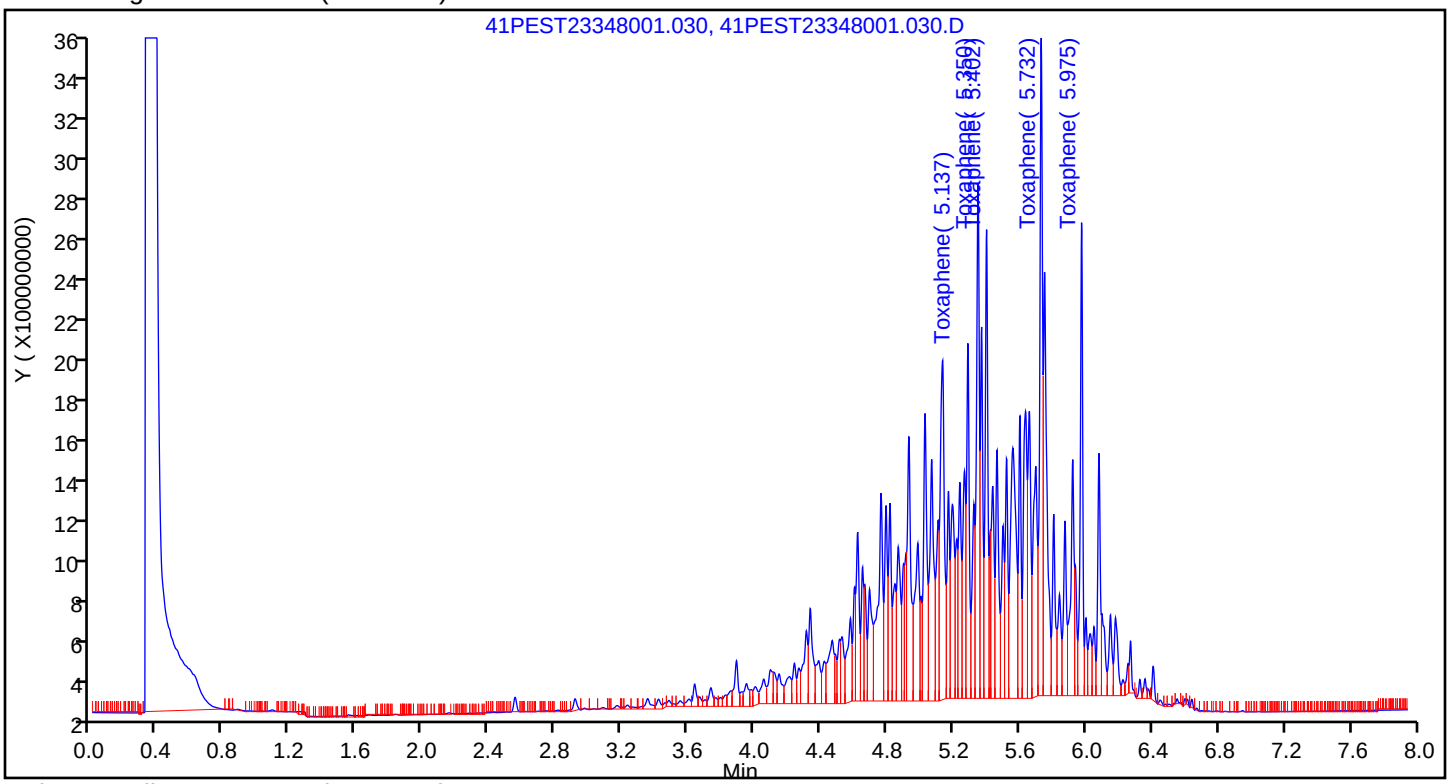
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 30

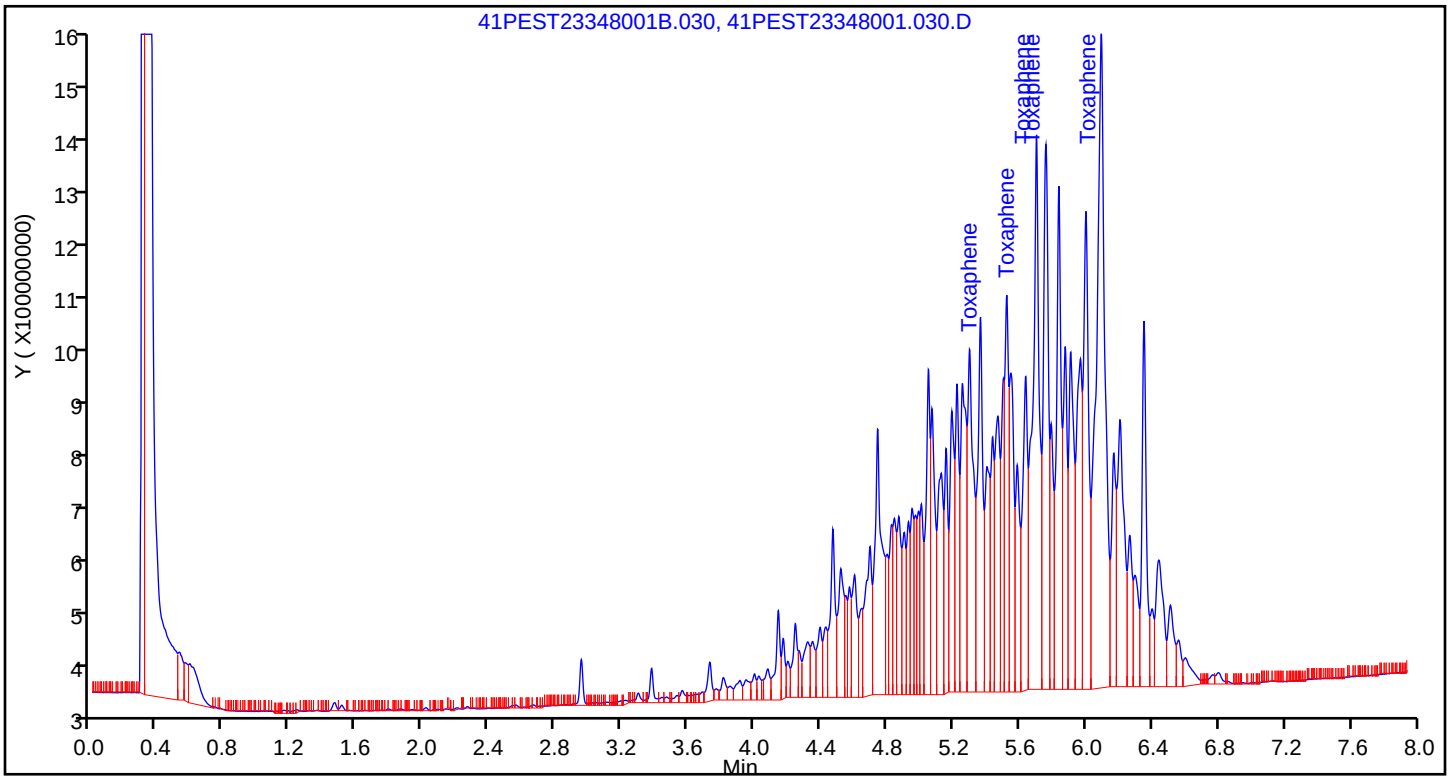
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.031.D
Lims ID: ic t6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Dec-2023 10:35:00 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:31 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:18:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.133	5.133	0.000	3404462650H	2000.0	2088.6	M
1	5.348	5.348	0.000	5474948513H	2000.0	2421.3	M
1	5.398	5.400	-0.002	4713880993H	2000.0	2224.3	M
1	5.730	5.730	0.000	6834560559H	2000.0	2456.5	M
1	5.973	5.973	0.000	5143011260H	2000.0	2000.0	M
		Average of Peak Amounts =				2238.2	
2	5.297	5.297	0.000	1200935080H	2000.0	1907.0	
2	5.522	5.522	0.000	1444419516H	2000.0	2177.2	
2	5.700	5.700	0.000	2172543557H	2000.0	2386.3	
2	5.758	5.757	0.001	2183966207H	2000.0	1999.7	
2	6.092	6.092	0.000	2824150028H	2000.0	1999.1	
		Average of Peak Amounts =				2093.9	
					RPD =	6.66	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX6_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:32 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.031.D

Injection Date: 14-Dec-2023 10:35:00 Instrument ID: 9147

Lims ID: ic t6

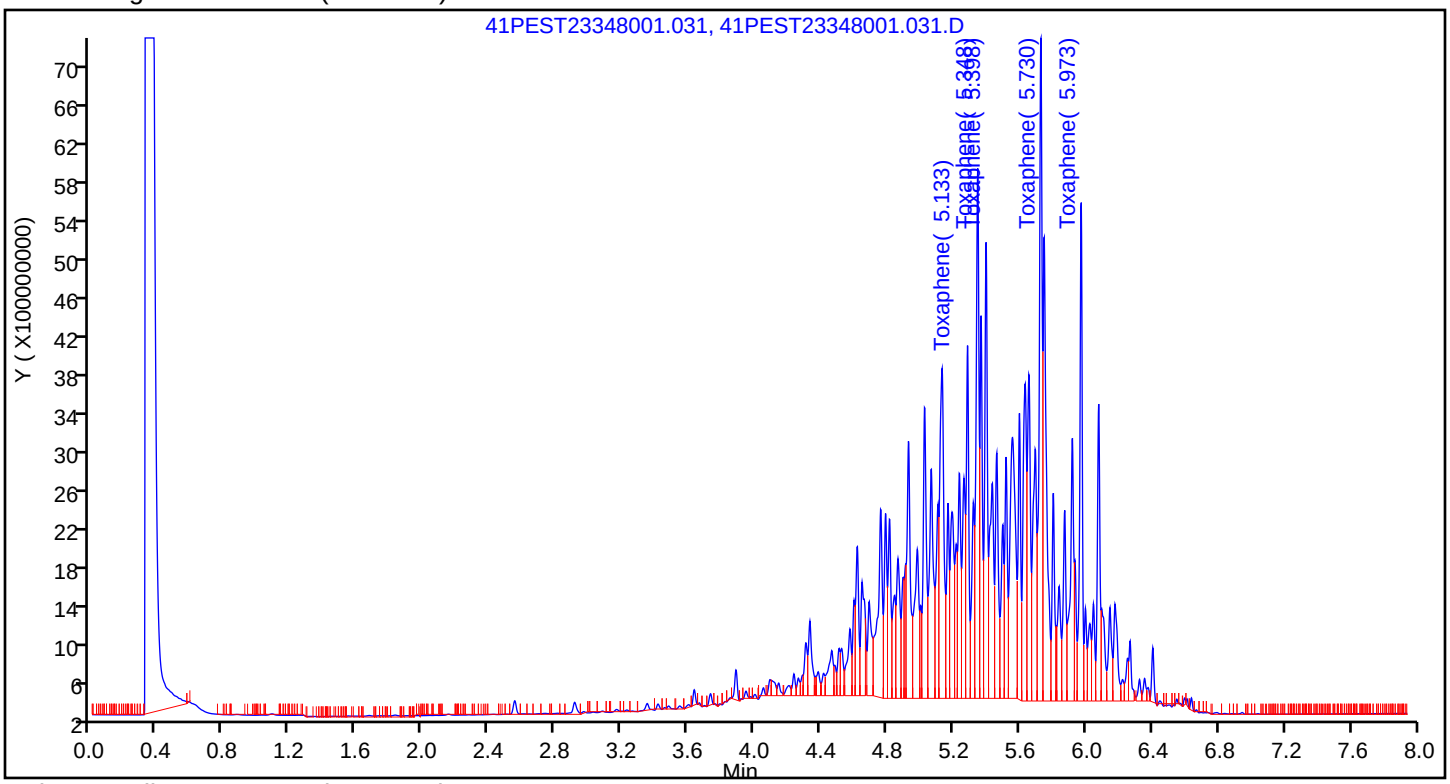
Client ID:

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

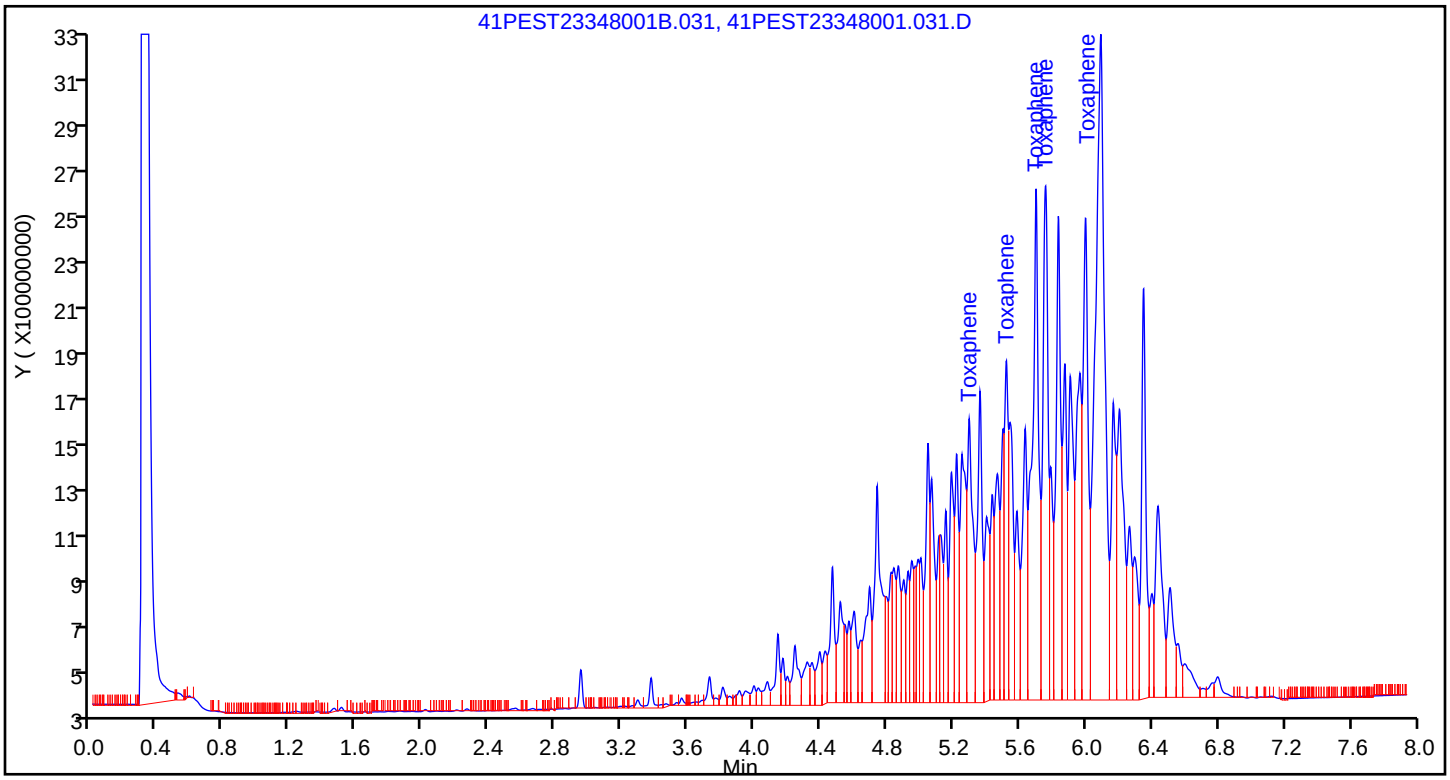
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Report Date: 14-Dec-2023 12:33:32 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.031.D

Injection Date: 14-Dec-2023 10:35:00 Instrument ID: 9147

Lims ID: ic t6

Client ID:

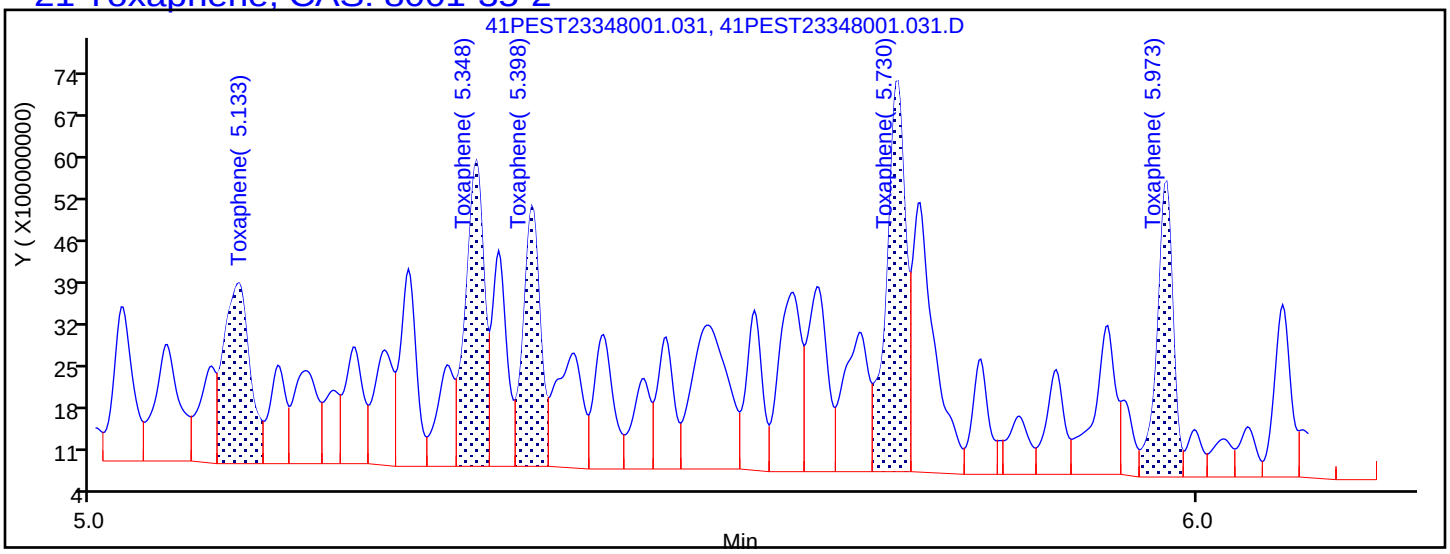
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 31

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

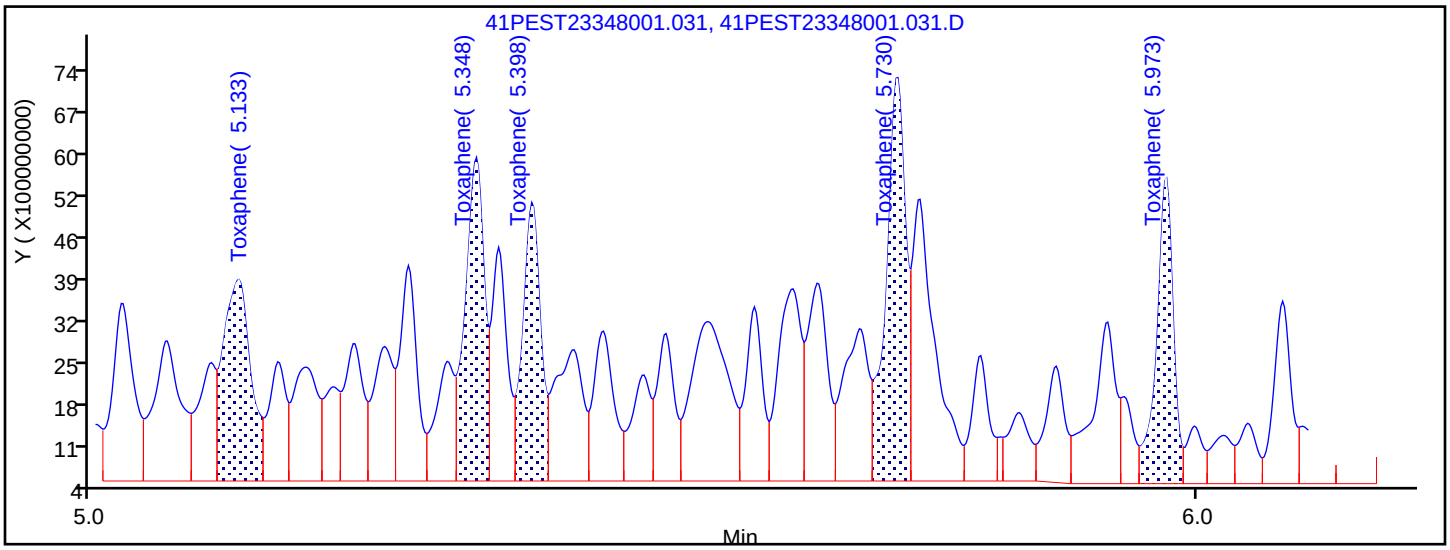
Column: Agilent DB-CLP1 (0.32 mm) Detector 1AECDA

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.133	Response = 3039261746
5.348	Response = 5160269699
5.398	Response = 4410951502
5.730	Response = 6609568245
5.973	Response = 4975198987



Manual Integration Results

5.133	Response = 3404462650	M
5.348	Response = 5474948513	M
5.398	Response = 4713880993	M
5.730	Response = 6834560559	M
5.973	Response = 5143011260	M

Reviewer: UAMZ, 14-Dec-2023 11:17:53 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Calibration / Toxaphene Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

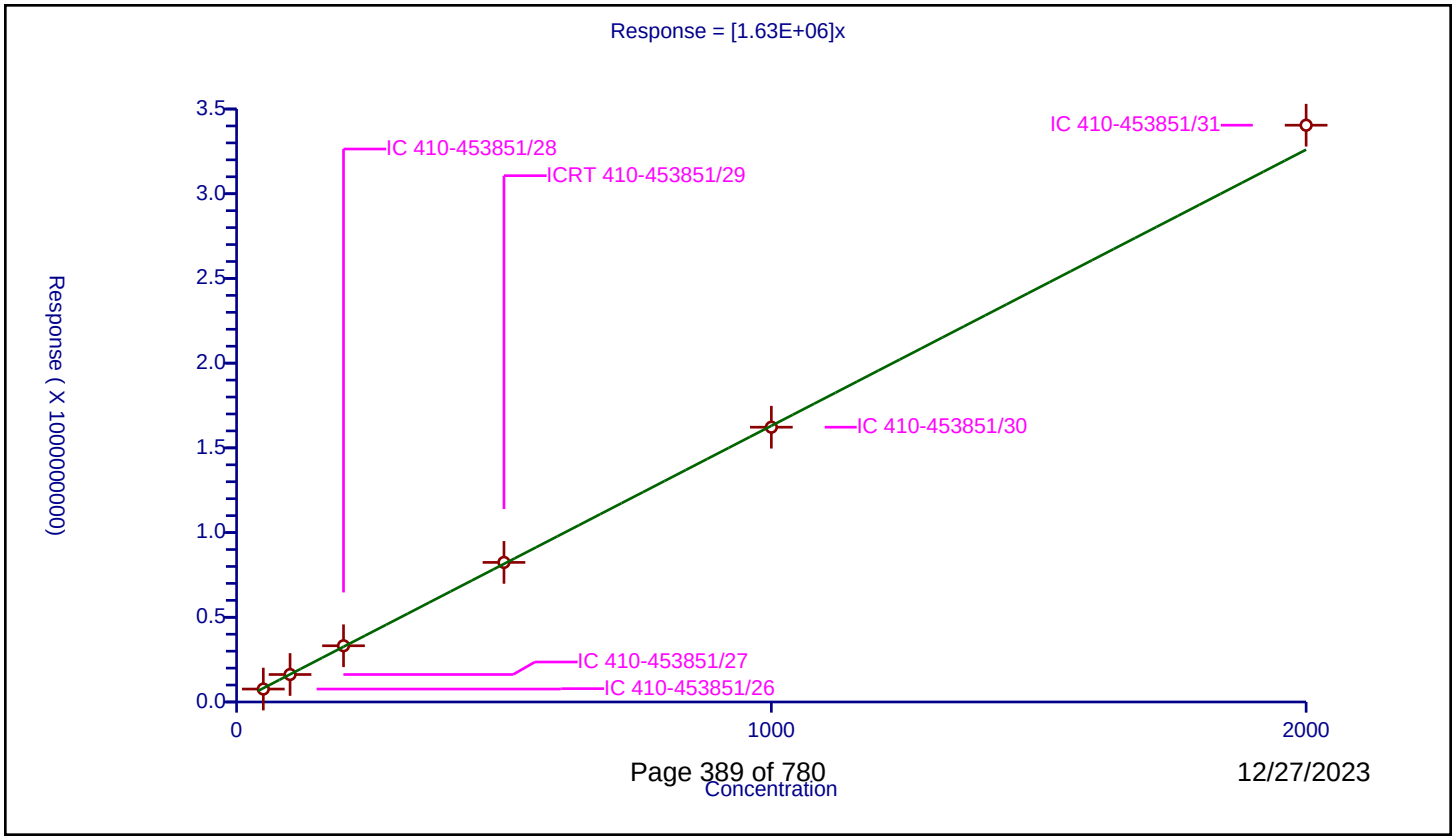
Curve Coefficients

Intercept:	0
Slope:	1.63E+06

Error Coefficients

Standard Error:	64900000
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 410-453851/26	50.0	76339835.0			1526796.7	Y
2	IC 410-453851/27	100.0	162192351.0			1621923.51	Y
3	IC 410-453851/28	200.0	331889943.0			1659449.715	Y
4	ICRT 410-453851/29	500.0	823959864.0			1647919.728	Y
5	IC 410-453851/30	1000.0	1621937300.0			1621937.3	Y
6	IC 410-453851/31	2000.0	3404462650.0			1702231.325	Y



Calibration / Toxaphene Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

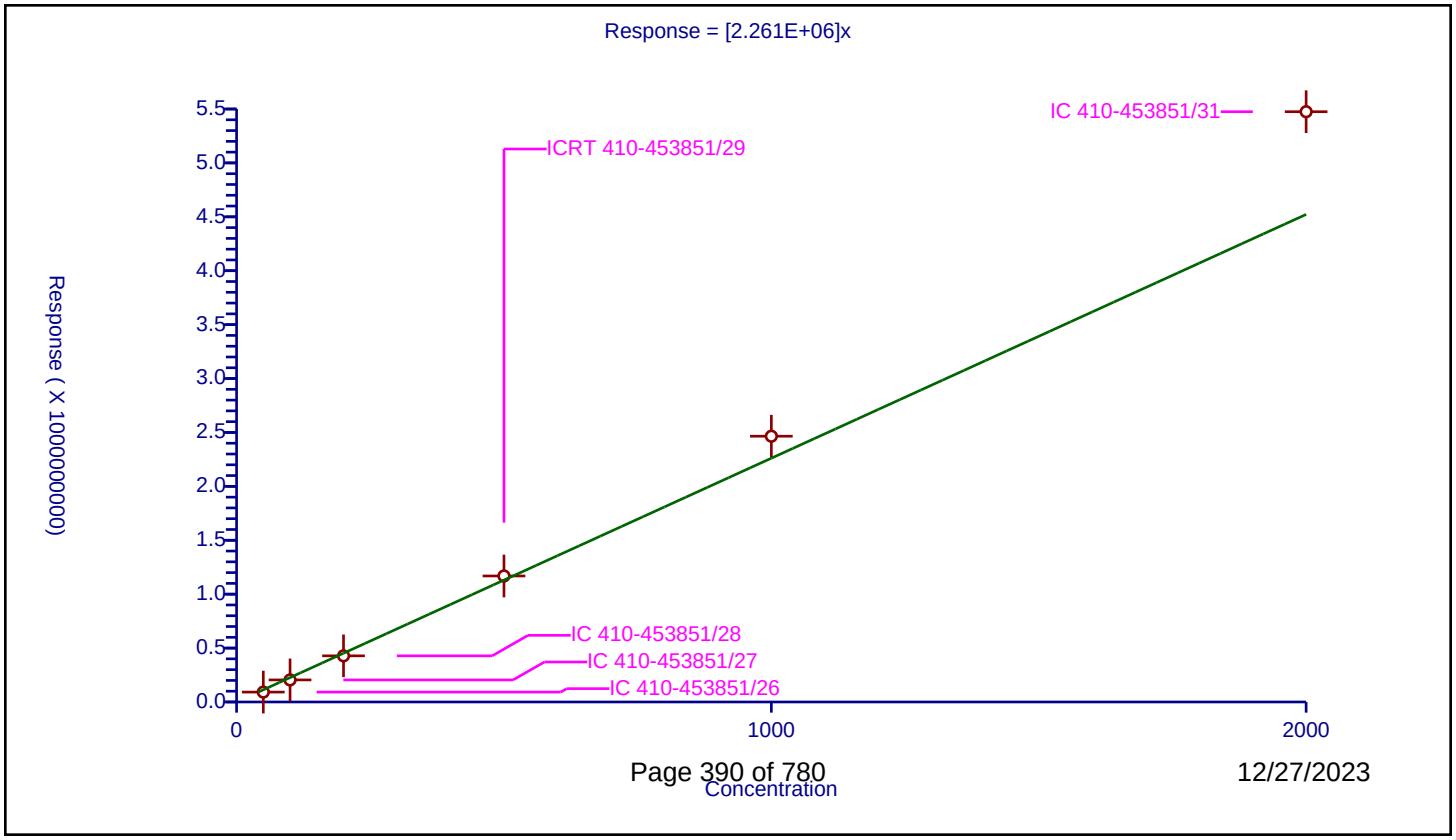
Curve Coefficients

Intercept:	0
Slope:	2.261E+06

Error Coefficients

Standard Error:	436000000
Relative Standard Error:	14.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/26	50.0	91993045.0			1839860.9	Y
2	IC 410-453851/27	100.0	204613490.0			2046134.9	Y
3	IC 410-453851/28	200.0	428086348.0			2140431.74	Y
4	ICRT 410-453851/29	500.0	1168851102.0			2337702.204	Y
5	IC 410-453851/30	1000.0	2465104836.0			2465104.836	Y
6	IC 410-453851/31	2000.0	5474948513.0			2737474.2565	Y



Calibration / Toxaphene Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

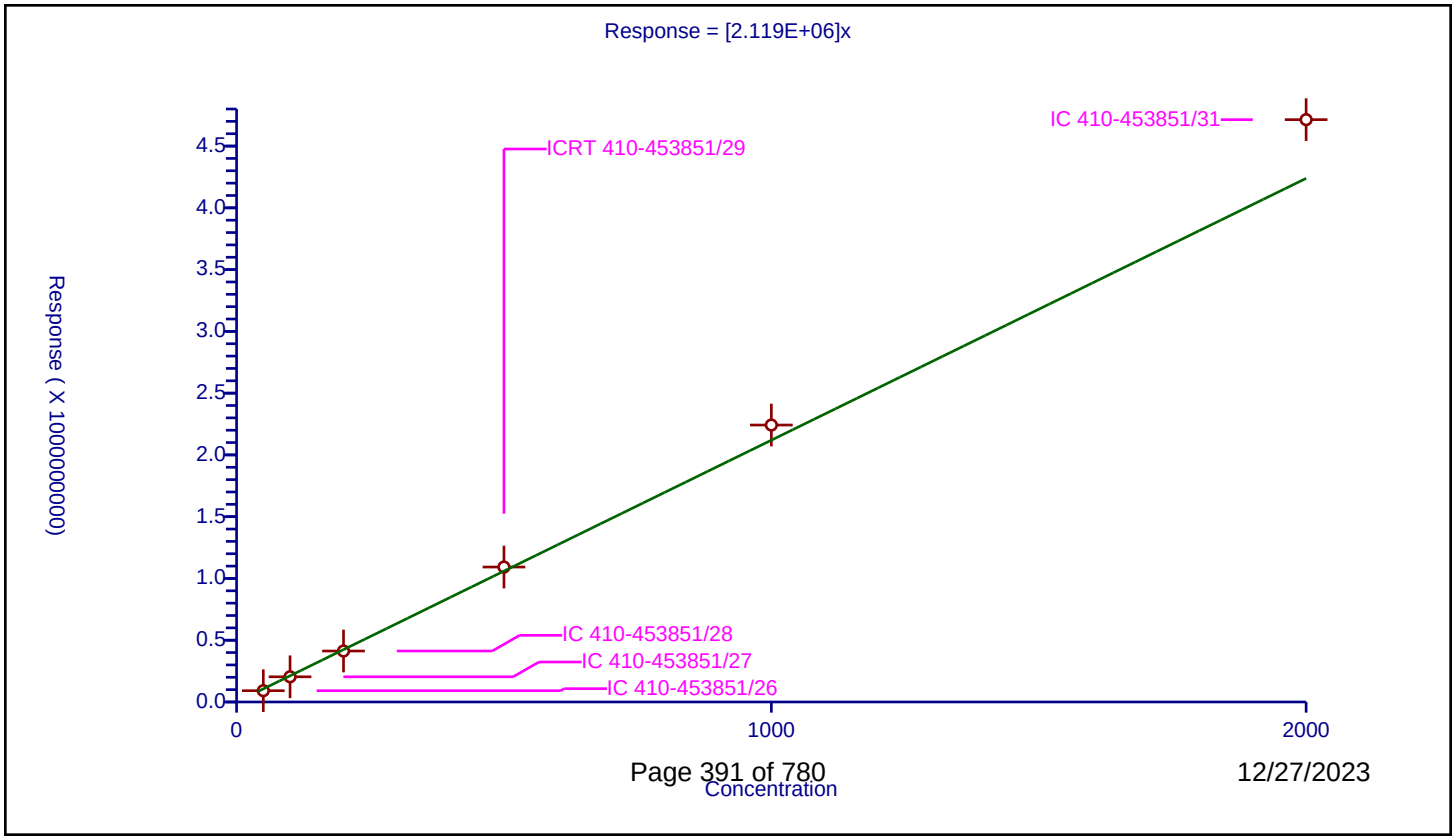
Curve Coefficients

Intercept:	0
Slope:	2.119E+06

Error Coefficients

Standard Error:	220000000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/26	50.0	91497535.0			1829950.7	Y
2	IC 410-453851/27	100.0	203925422.0			2039254.22	Y
3	IC 410-453851/28	200.0	412617317.0			2063086.585	Y
4	ICRT 410-453851/29	500.0	1092287768.0			2184575.536	Y
5	IC 410-453851/30	1000.0	2241867229.0			2241867.229	Y
6	IC 410-453851/31	2000.0	4713880993.0			2356940.4965	Y



Calibration / Toxaphene Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

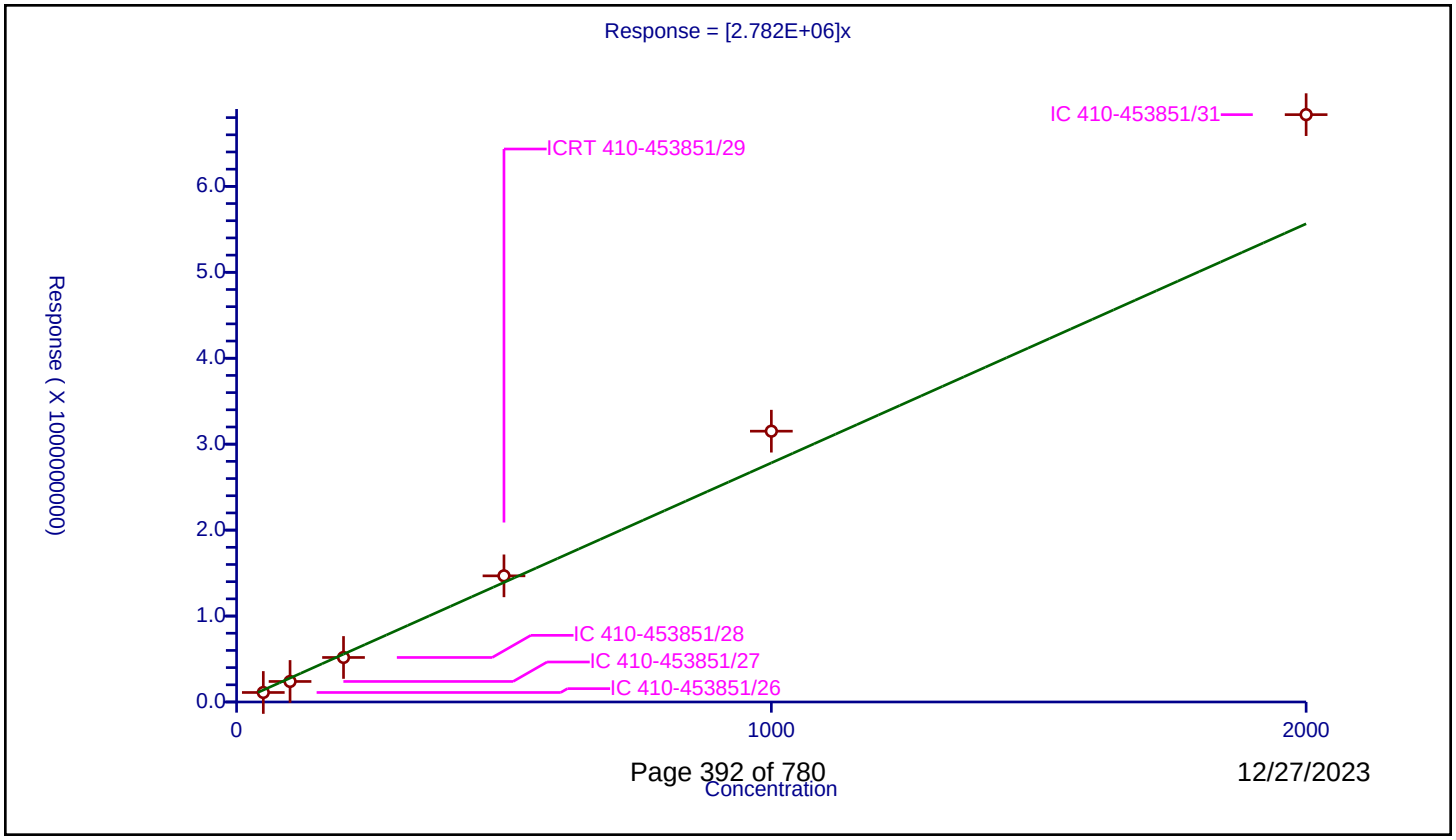
Curve Coefficients

Intercept:	0
Slope:	2.782E+06

Error Coefficients

Standard Error:	593000000
Relative Standard Error:	16.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/26	50.0	110524924.0			2210498.48	Y
2	IC 410-453851/27	100.0	238907620.0			2389076.2	Y
3	IC 410-453851/28	200.0	517893462.0			2589467.31	Y
4	ICRT 410-453851/29	500.0	1467777013.0			2935554.026	Y
5	IC 410-453851/30	1000.0	3151279606.0			3151279.606	Y
6	IC 410-453851/31	2000.0	6834560559.0			3417280.2795	Y



Calibration / Toxaphene Peak 5

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

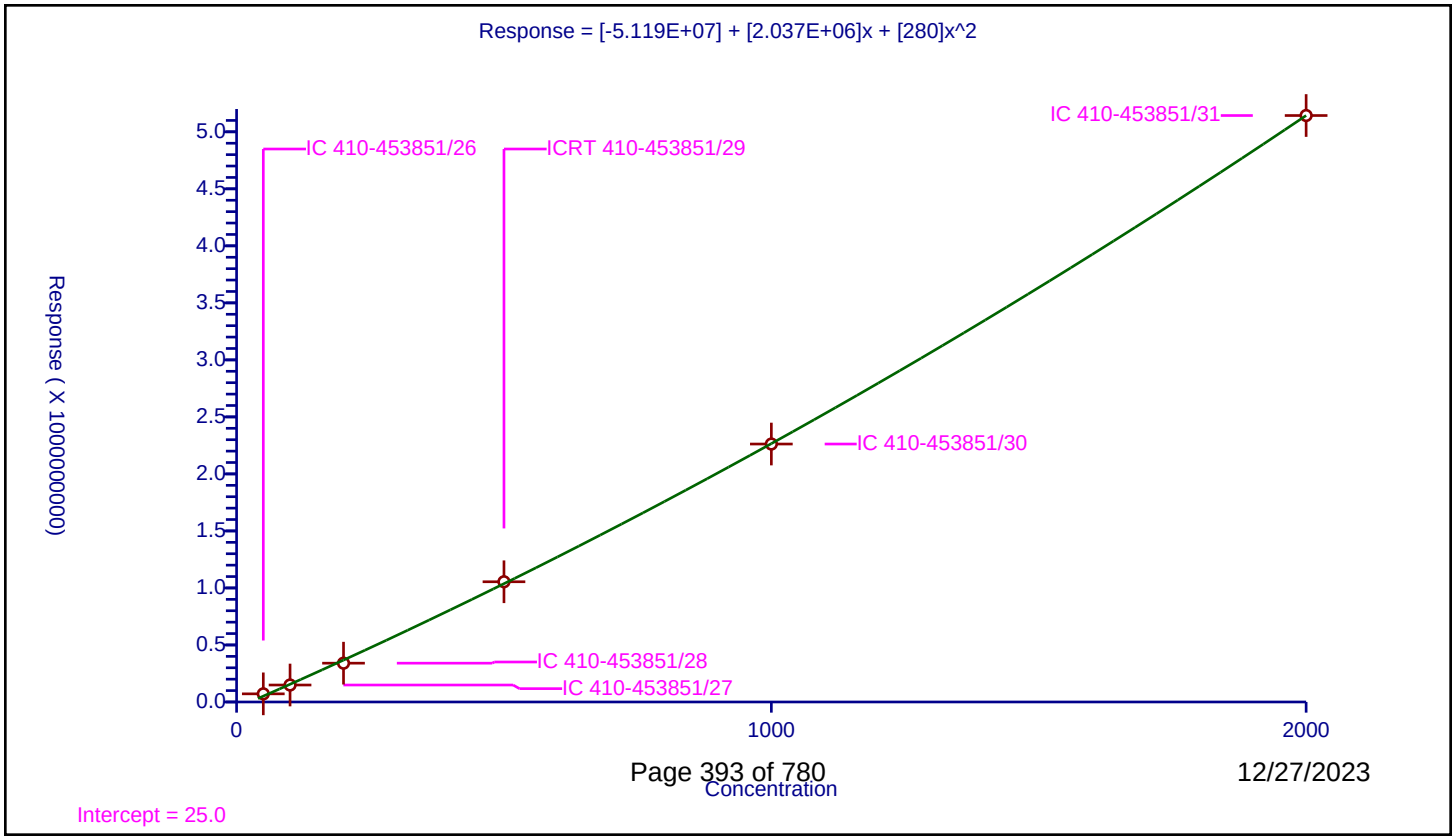
Curve Coefficients

Intercept:	-5.119E+07
Slope:	2.037E+06
Second Order:	280

Error Coefficients

Standard Error:	22200000
Relative Standard Error:	11.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/26	50.0	71396753.0			1427935.06	Y
2	IC 410-453851/27	100.0	148893742.0			1488937.42	Y
3	IC 410-453851/28	200.0	340432578.0			1702162.89	Y
4	ICRT 410-453851/29	500.0	1054271692.0			2108543.384	Y
5	IC 410-453851/30	1000.0	2262098800.0			2262098.8	Y
6	IC 410-453851/31	2000.0	5143011260.0			2571505.63	Y



FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 09:23 Calibration End Date: 12/14/2023 10:35 Calibration ID: 56830

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/26	41PEST23348001.026.D
Level 2	IC 410-453851/27	41PEST23348001.027.D
Level 3	IC 410-453851/28	41PEST23348001.028.D
Level 4	ICRT 410-453851/29	41PEST23348001.029.D
Level 5	IC 410-453851/30	41PEST23348001.030.D
Level 6	IC 410-453851/31	41PEST23348001.031.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	5.295	5.298	5.300	5.297	5.298	5.297					5.267 - 5.327	5.298
Toxaphene Peak 2	5.520	5.523	5.523	5.522	5.523	5.522					5.492 - 5.552	5.522
Toxaphene Peak 3	5.700	5.703	5.703	5.700	5.703	5.700					5.670 - 5.730	5.702
Toxaphene Peak 4	5.755	5.758	5.758	5.757	5.760	5.758					5.727 - 5.787	5.758
Toxaphene Peak 5	6.092	6.093	6.093	6.092	6.095	6.092					6.062 - 6.122	6.093

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 09:23 Calibration End Date: 12/14/2023 10:35 Calibration ID: 56830

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/26	41PEST23348001.026.D
Level 2	IC 410-453851/27	41PEST23348001.027.D
Level 3	IC 410-453851/28	41PEST23348001.028.D
Level 4	ICRT 410-453851/29	41PEST23348001.029.D
Level 5	IC 410-453851/30	41PEST23348001.030.D
Level 6	IC 410-453851/31	41PEST23348001.031.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	559277 621203	677943 600468	667699	651982	Ave		629761.819				7.2		20.0			
Toxaphene Peak 2	478610 717325	638125 722210	688428	735953	Ave		663441.785				14.6		20.0			
Toxaphene Peak 3	666034 1005762	827946 1086272	892645	983884	Ave		910423.874				16.5		20.0			
Toxaphene Peak 4	536360 987751	692504 1091983	779983	916108	Qua	-23922048	915997.787	94.0645878						1.0000		0.9900
Toxaphene Peak 5	635957 1184007	698347 1412075	802239	1020750	Qua	-31253040	985046.315	221.726113						1.0000		0.9900

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 09:23 Calibration End Date: 12/14/2023 10:35 Calibration ID: 56830

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/26	41PEST23348001.026.D
Level 2	IC 410-453851/27	41PEST23348001.027.D
Level 3	IC 410-453851/28	41PEST23348001.028.D
Level 4	ICRT 410-453851/29	41PEST23348001.029.D
Level 5	IC 410-453851/30	41PEST23348001.030.D
Level 6	IC 410-453851/31	41PEST23348001.031.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	27963860 1200935080	67794266	133539784	325990939	621202713	50.0 2000	100	200	500	1000
Toxaphene Peak 2	Ave	23930507 1444419516	63812452	137685612	367976570	717325090	50.0 2000	100	200	500	1000
Toxaphene Peak 3	Ave	33301705 2172543557	82794600	178528952	491942170	1005762267	50.0 2000	100	200	500	1000
Toxaphene Peak 4	Qua	26818024 2183966207	69250403	155996669	458053942	987751422	50.0 2000	100	200	500	1000
Toxaphene Peak 5	Qua	31797827 2824150028	69834725	160447756	510375018	1184007435	50.0 2000	100	200	500	1000

Curve Type Legend:

Ave = Average by Height
Qua = Quadratic by Height

FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 453851

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/14/2023 09:23 Calibration End Date: 12/14/2023 10:35 Calibration ID: 56830

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-453851/26	41PEST23348001.026.D
Level 2	IC 410-453851/27	41PEST23348001.027.D
Level 3	IC 410-453851/28	41PEST23348001.028.D
Level 4	ICRT 410-453851/29	41PEST23348001.029.D
Level 5	IC 410-453851/30	41PEST23348001.030.D
Level 6	IC 410-453851/31	41PEST23348001.031.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
Toxaphene Peak 4	10.2	0.7	-3.7	0.1	0.1	0.0	50	30	30	30	30	30
Toxaphene Peak 5	26.2	0.4	-6.6	-1.0	0.6	0.0	50	30	30	30	30	30

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.026.D
Lims ID: ic tox1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Dec-2023 09:23:00 ALS Bottle#: 0 Worklist Smp#: 26
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic t1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:14 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:17:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.135	5.133	0.002	76339835H	50.0	46.8	M
1	5.348	5.348	0.000	91993045H	50.0	40.7	M
1	5.400	5.400	0.000	91497535H	50.0	43.2	M
1	5.728	5.730	-0.002	110524924H	50.0	39.7	M
1	5.973	5.973	0.000	71396753H	50.0	59.7	
		Average of Peak Amounts =				46.0	
2	5.295	5.297	-0.002	27963860H	50.0	44.4	M
2	5.520	5.522	-0.002	23930507H	50.0	36.1	M
2	5.700	5.700	0.000	33301705H	50.0	36.6	M
2	5.755	5.757	-0.002	26818024H	50.0	55.1	M
2	6.092	6.092	0.000	31797827H	50.0	63.1	M
		Average of Peak Amounts =				47.0	
						RPD = 2.21	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX1_00017 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:14 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.026.D

Injection Date: 14-Dec-2023 09:23:00 Instrument ID: 9147

Lims ID: ic tox1

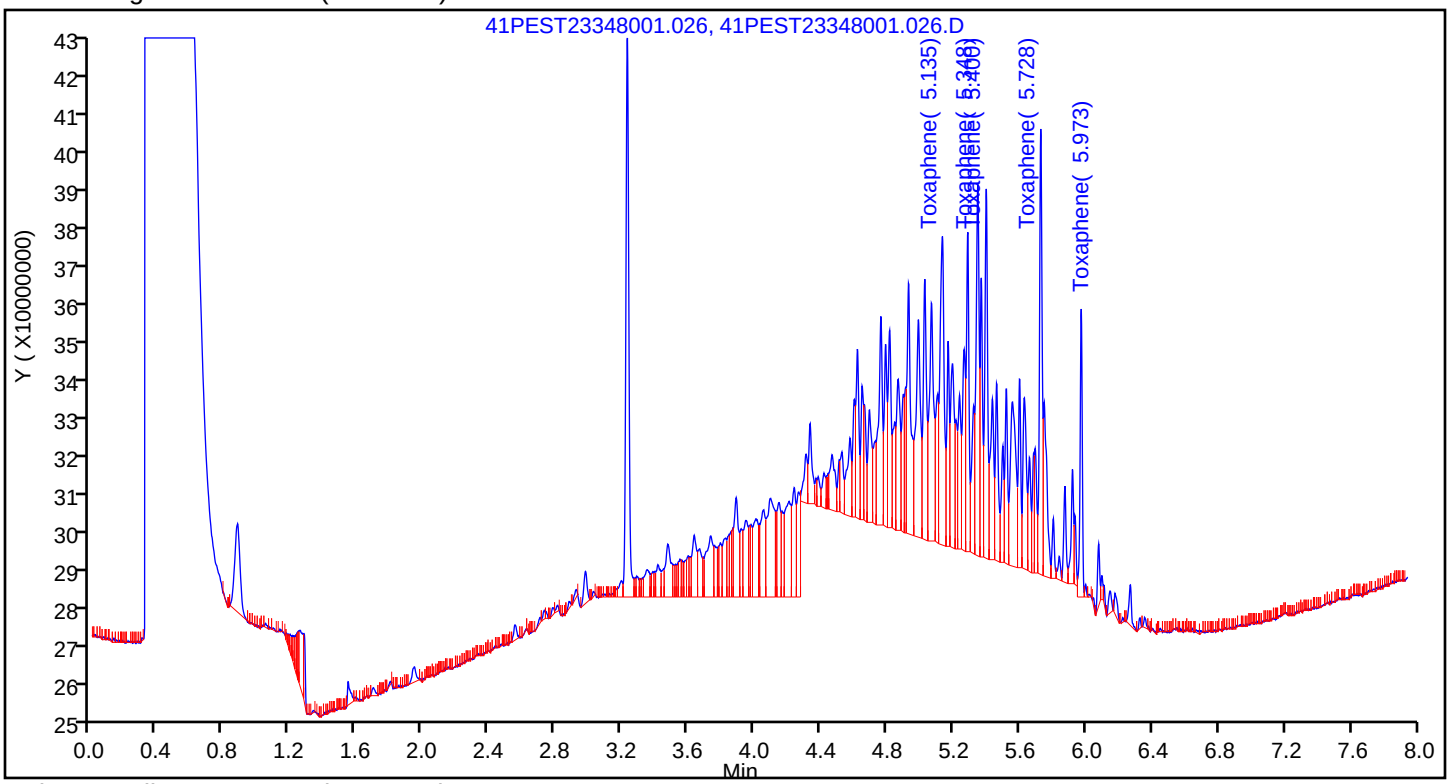
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

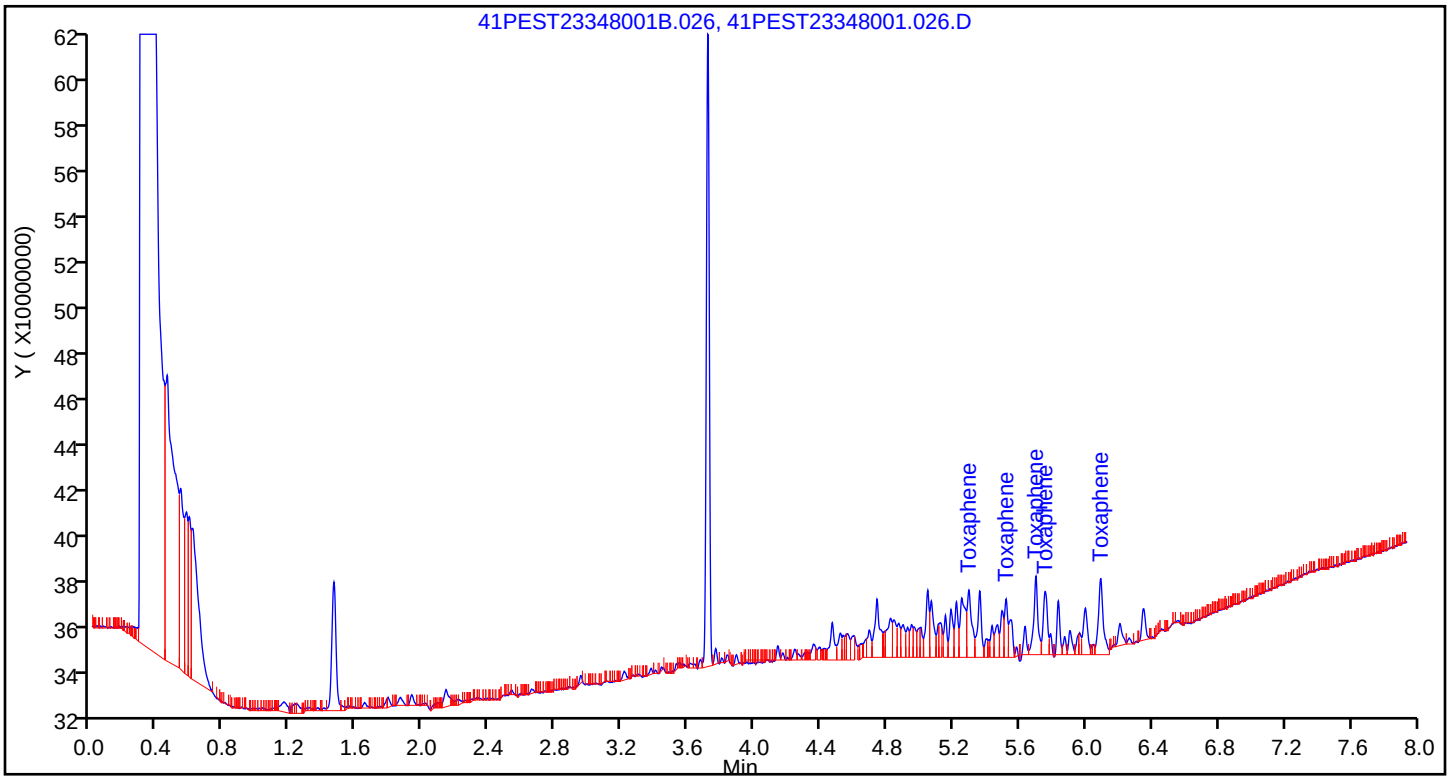
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Report Date: 14-Dec-2023 12:33:15 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.026.D

Injection Date: 14-Dec-2023 09:23:00 Instrument ID: 9147

Lims ID: ic tox1

Client ID:

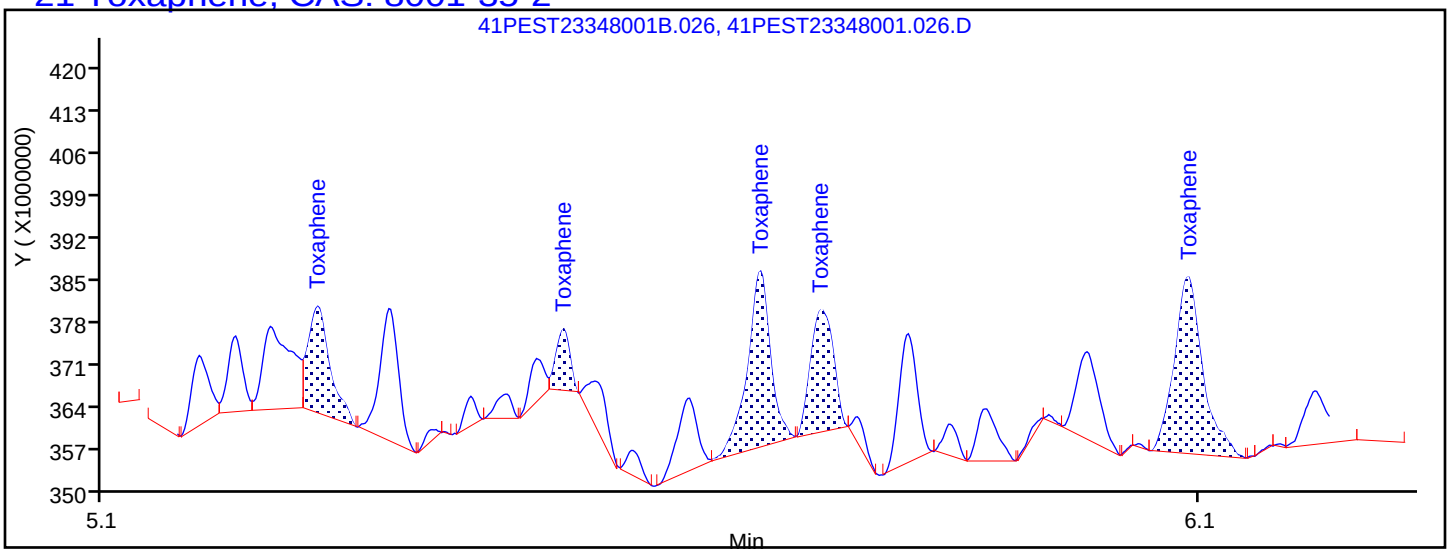
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 26

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

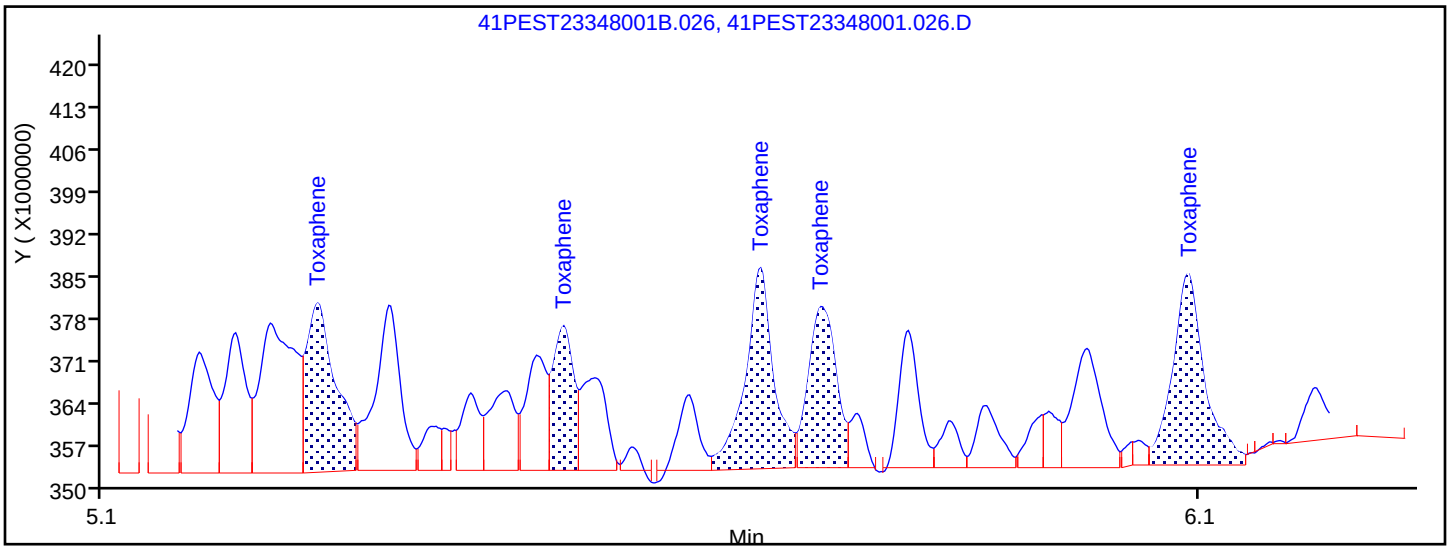
Column: Agilent DB-CLP2 (0.32 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.295	Response = 17574174
5.520	Response = 10192368
5.700	Response = 28968489
5.755	Response = 20184430
6.092	Response = 29225378



Manual Integration Results

5.295	Response = 27963860	M
5.520	Response = 23930507	M
5.700	Response = 33301705	M
5.755	Response = 26818024	M
6.092	Response = 31797827	M

Reviewer: UAMZ, 14-Dec-2023 11:17:09 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.027.D
Lims ID: ic t2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Dec-2023 09:37:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:17 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:15:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.135	5.133	0.002	162192351H	100.0	99.5	
1	5.350	5.348	0.002	204613490H	100.0	90.5	
1	5.402	5.400	0.002	203925422H	100.0	96.2	
1	5.732	5.730	0.002	238907620H	100.0	85.9	
1	5.975	5.973	0.002	148893742H	100.0	96.9	
		Average of Peak Amounts =				93.8	
2	5.298	5.297	0.001	67794266H	100.0	107.7	M
2	5.523	5.522	0.001	63812452H	100.0	96.2	M
2	5.703	5.700	0.003	82794600H	100.0	90.9	M
2	5.758	5.757	0.001	69250403H	100.0	100.7	M
2	6.093	6.092	0.001	69834725H	100.0	100.4	M
		Average of Peak Amounts =				99.2	
						RPD = 5.55	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX2_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:18 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.027.D

Injection Date: 14-Dec-2023 09:37:00 Instrument ID: 9147

Lims ID: ic t2

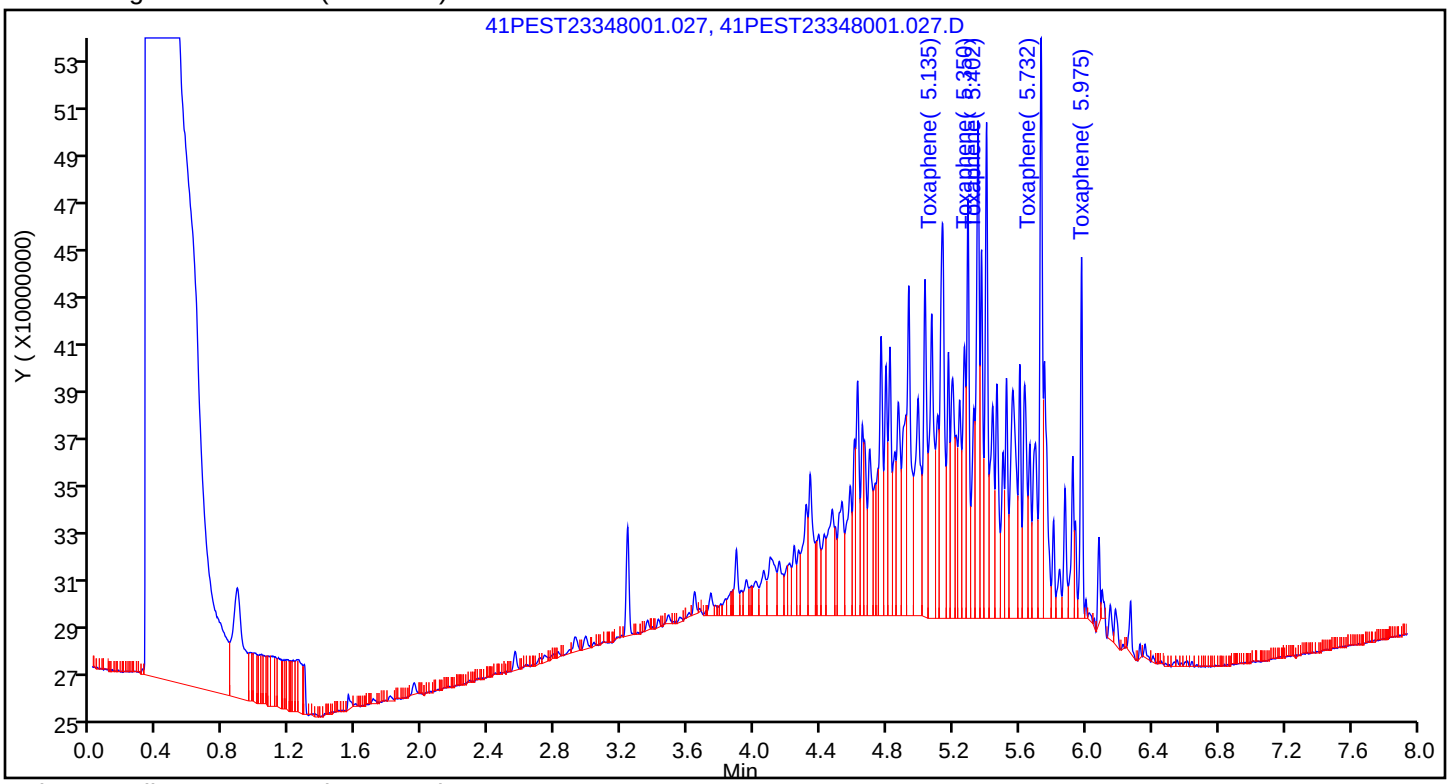
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

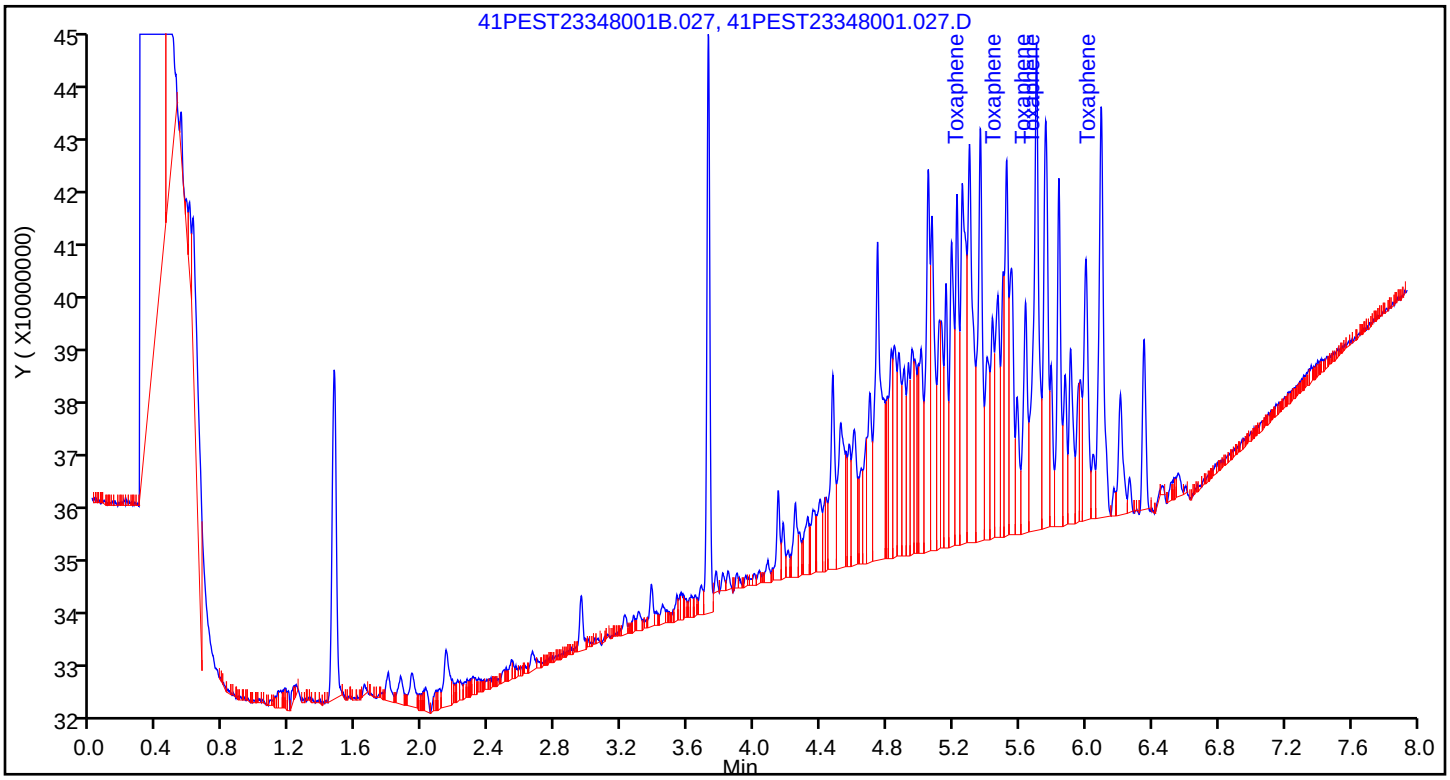
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Report Date: 14-Dec-2023 12:33:18 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.027.D

Injection Date: 14-Dec-2023 09:37:00 Instrument ID: 9147

Lims ID: ic t2

Client ID:

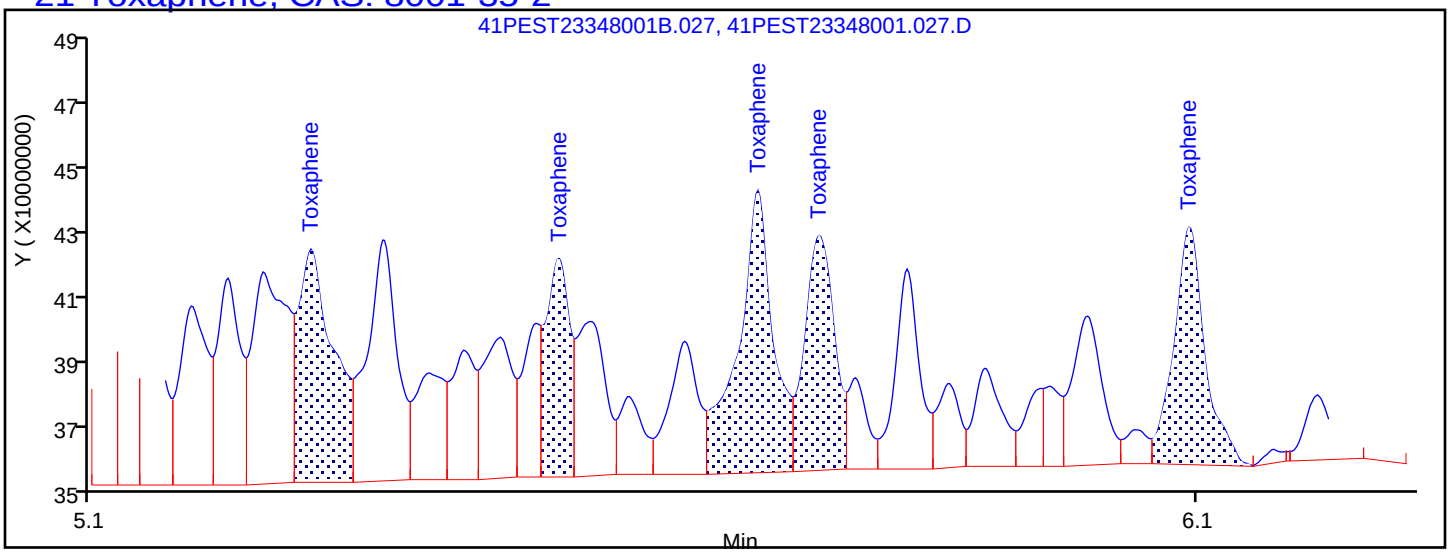
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

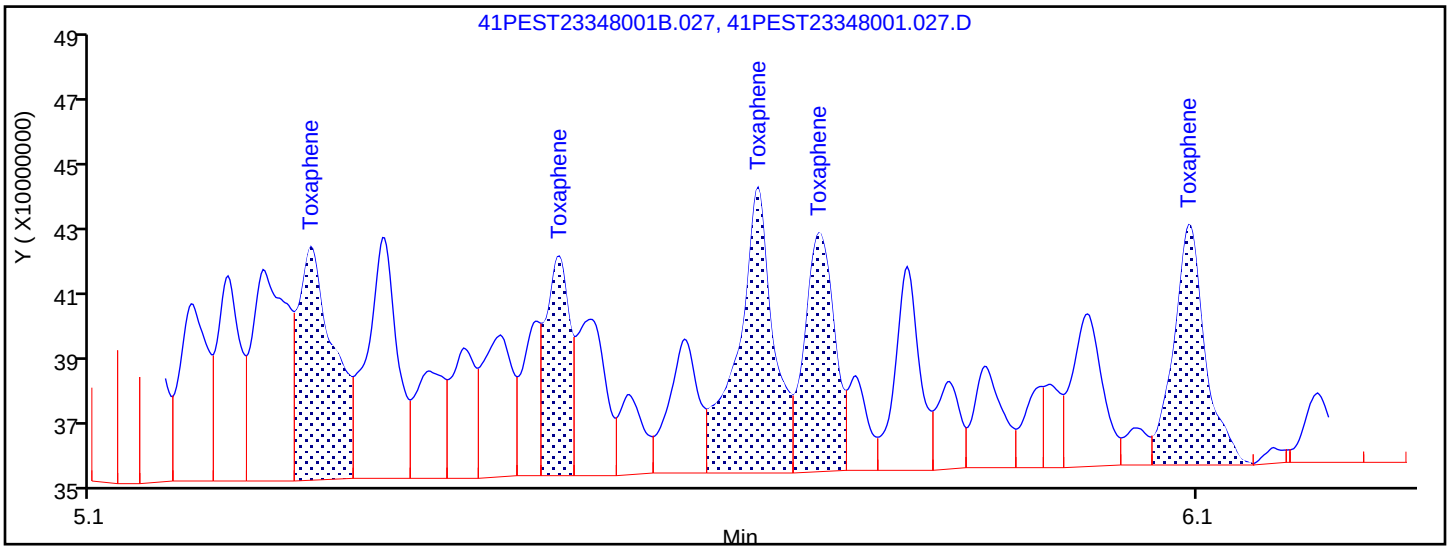
Column: Agilent DB-CLP2 (0.32 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.298	Response = 67988963
5.523	Response = 63576922
5.703	Response = 82214888
5.758	Response = 68565523
6.093	Response = 68998281



Manual Integration Results

5.298	Response = 67794266	M
5.523	Response = 63812452	M
5.703	Response = 82794600	M
5.758	Response = 69250403	M
6.093	Response = 69834725	M

Reviewer: UAMZ, 14-Dec-2023 11:17:18 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.028.D
Lims ID: ic t3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Dec-2023 09:52:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:20 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:17:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.133	5.133	0.000	331889943H	200.0	203.6	M
1	5.347	5.348	-0.001	428086348H	200.0	189.3	M
1	5.398	5.400	-0.002	412617317H	200.0	194.7	M
1	5.728	5.730	-0.002	517893462H	200.0	186.1	M
1	5.972	5.973	-0.001	340432578H	200.0	187.4	M
		Average of Peak Amounts =				192.2	
2	5.300	5.297	0.003	133539784H	200.0	212.0	M
2	5.523	5.522	0.001	137685612H	200.0	207.5	M
2	5.703	5.700	0.003	178528952H	200.0	196.1	M
2	5.758	5.757	0.001	155996669H	200.0	192.6	M
2	6.093	6.092	0.001	160447756H	200.0	186.8	M
		Average of Peak Amounts =				199.0	
					RPD =	3.46	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX3_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:21 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.028.D

Injection Date: 14-Dec-2023 09:52:00 Instrument ID: 9147

Lims ID: ic t3

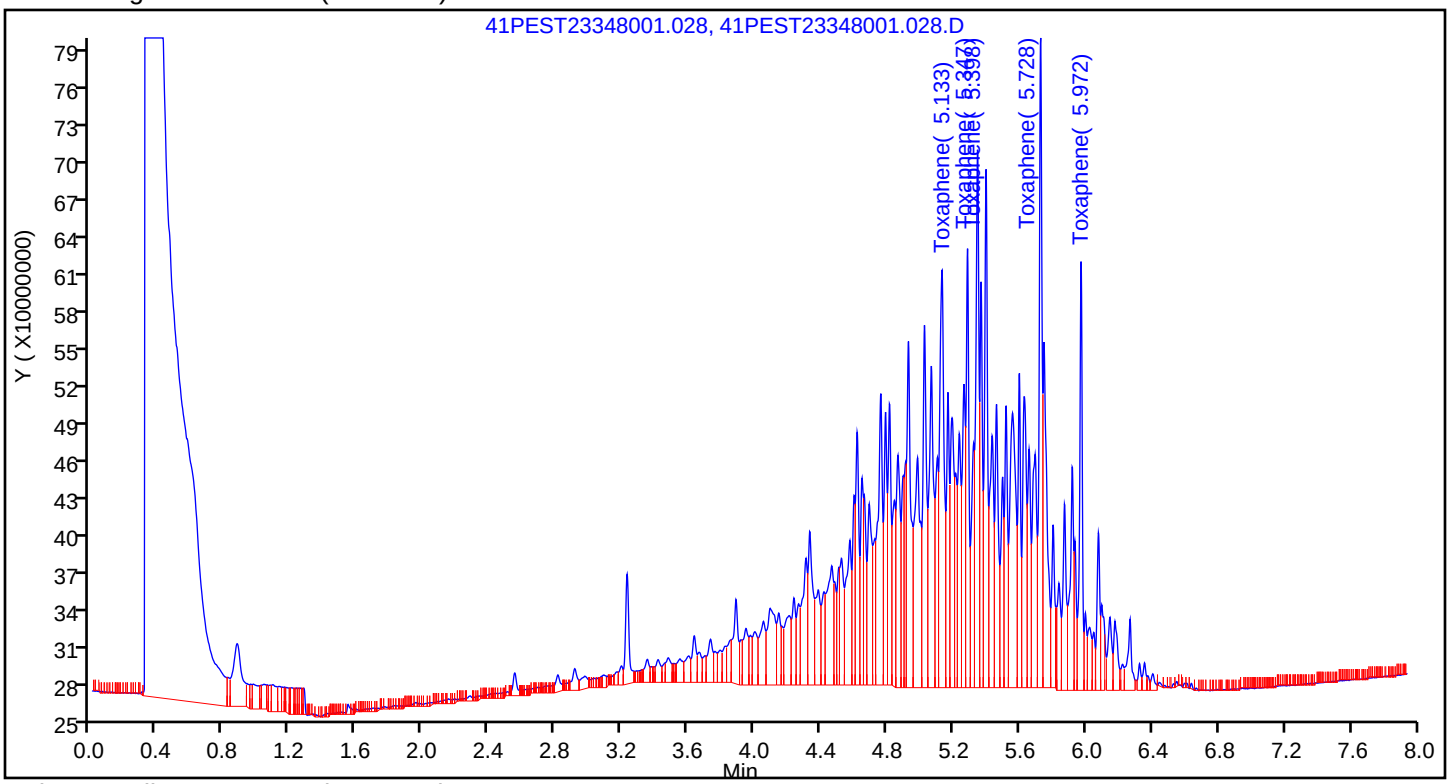
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

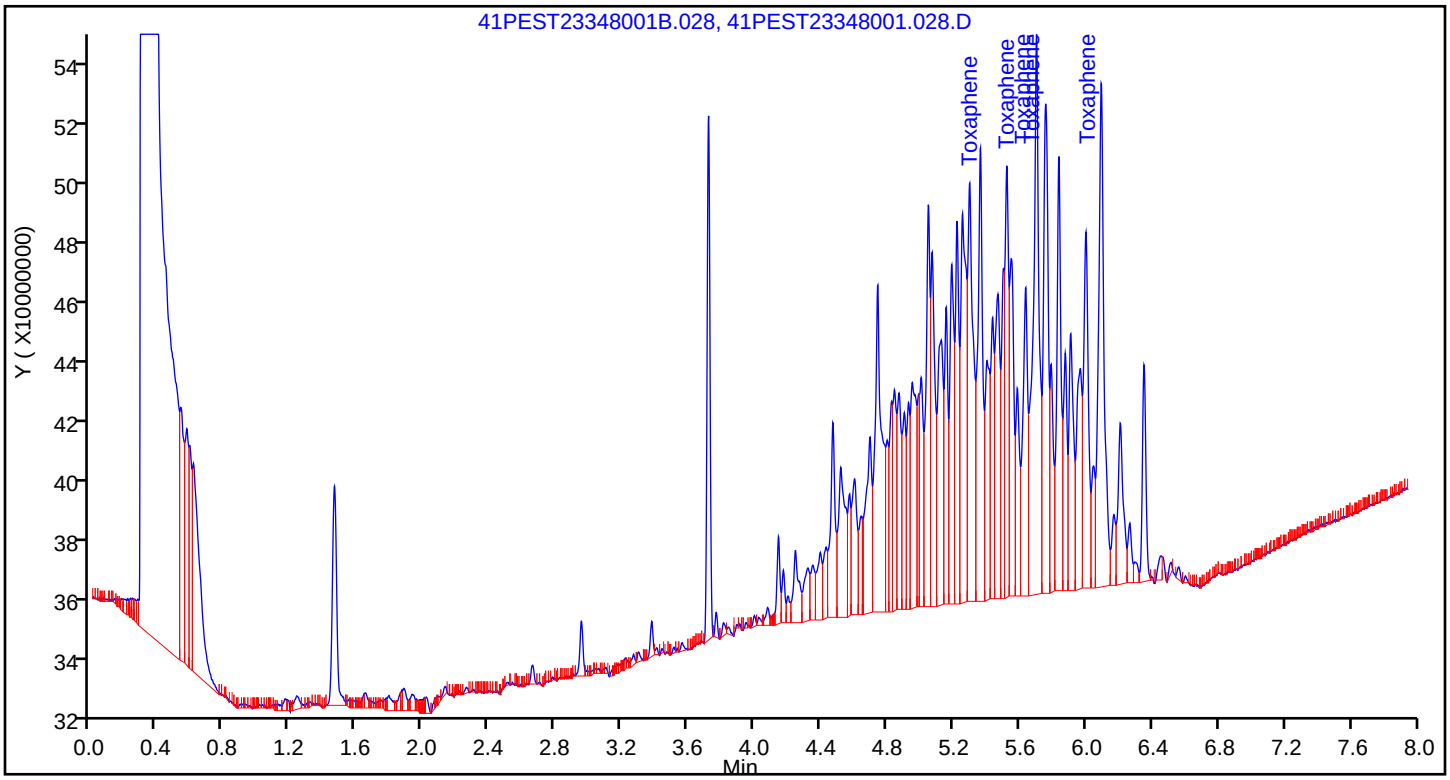
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Report Date: 14-Dec-2023 12:33:21 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.028.D

Injection Date: 14-Dec-2023 09:52:00 Instrument ID: 9147

Lims ID: ic t3

Client ID:

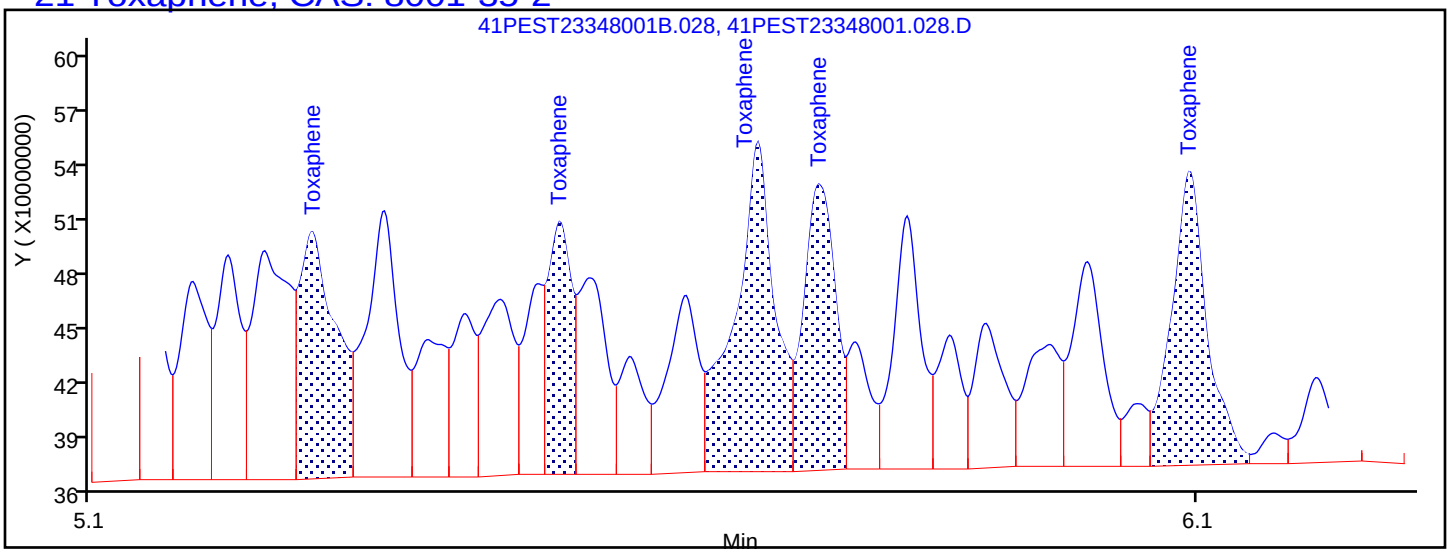
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

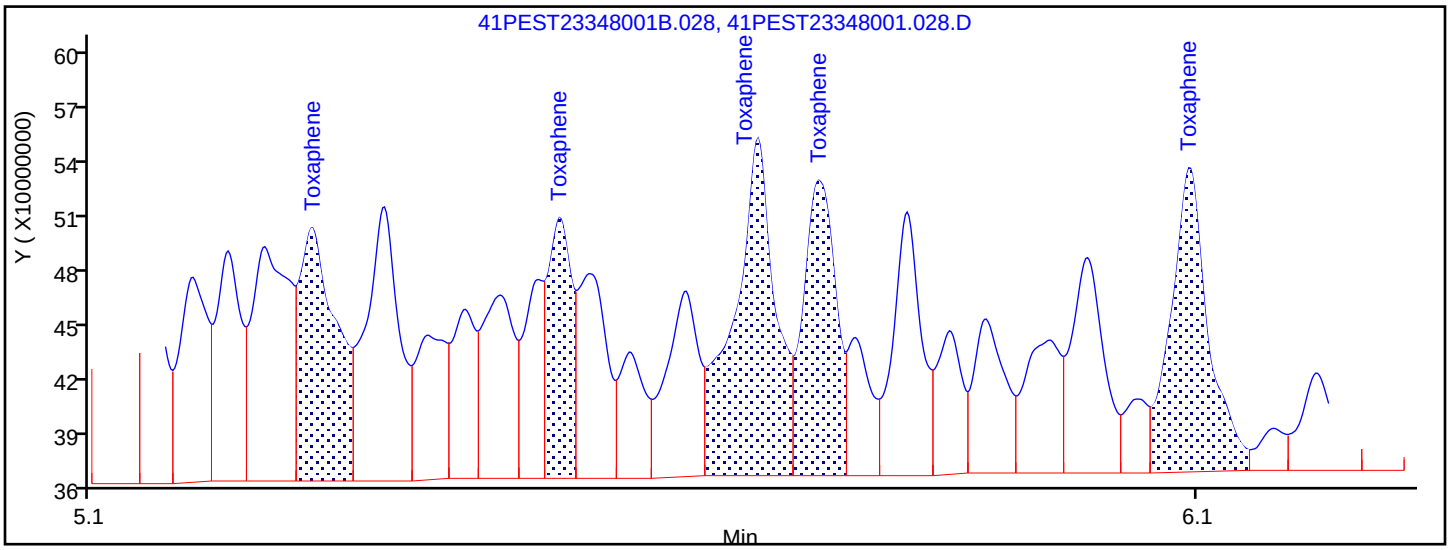
Column: Agilent DB-CLP2 (0.32 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.300	Response = 129466052
5.523	Response = 133015957
5.703	Response = 173379001
5.758	Response = 150699961
6.093	Response = 154257161



Manual Integration Results

5.300	Response = 133539784	M
5.523	Response = 137685612	M
5.703	Response = 178528952	M
5.758	Response = 155996669	M
6.093	Response = 160447756	M

Reviewer: UAMZ, 14-Dec-2023 11:17:27 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.029.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 14-Dec-2023 10:06:00 ALS Bottle#: 0 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:24 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.133	5.133	0.000	823959864H	500.0	505.5	
1	5.348	5.348	0.000	1168851102H	500.0	516.9	
1	5.400	5.400	0.000	1092287768H	500.0	515.4	
1	5.730	5.730	0.000	1467777013H	500.0	527.6	
1	5.973	5.973	0.000	1054271692H	500.0	507.3	
		Average of Peak Amounts =				514.5	
2	5.297	5.297	0.000	325990939H	500.0	517.6	
2	5.522	5.522	0.000	367976570H	500.0	554.6	
2	5.700	5.700	0.000	491942170H	500.0	540.3	
2	5.757	5.757	0.000	458053942H	500.0	500.5	
2	6.092	6.092	0.000	510375018H	500.0	494.8	
		Average of Peak Amounts =				521.6	
						RPD = 1.36	

Reagents:

GCS_TOX4_00013 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:25 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.029.D

Injection Date: 14-Dec-2023 10:06:00 Instrument ID: 9147

Lims ID: icrt

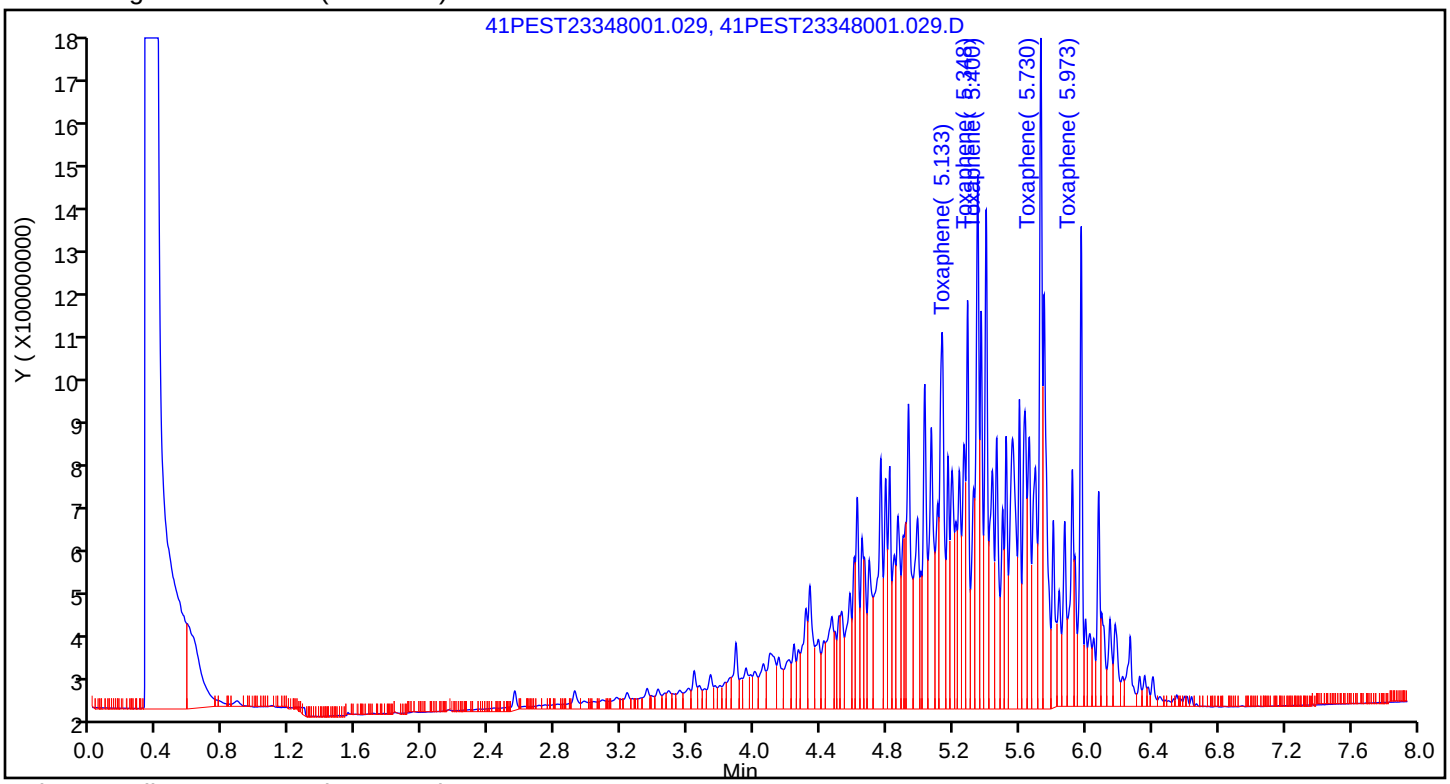
Client ID:

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

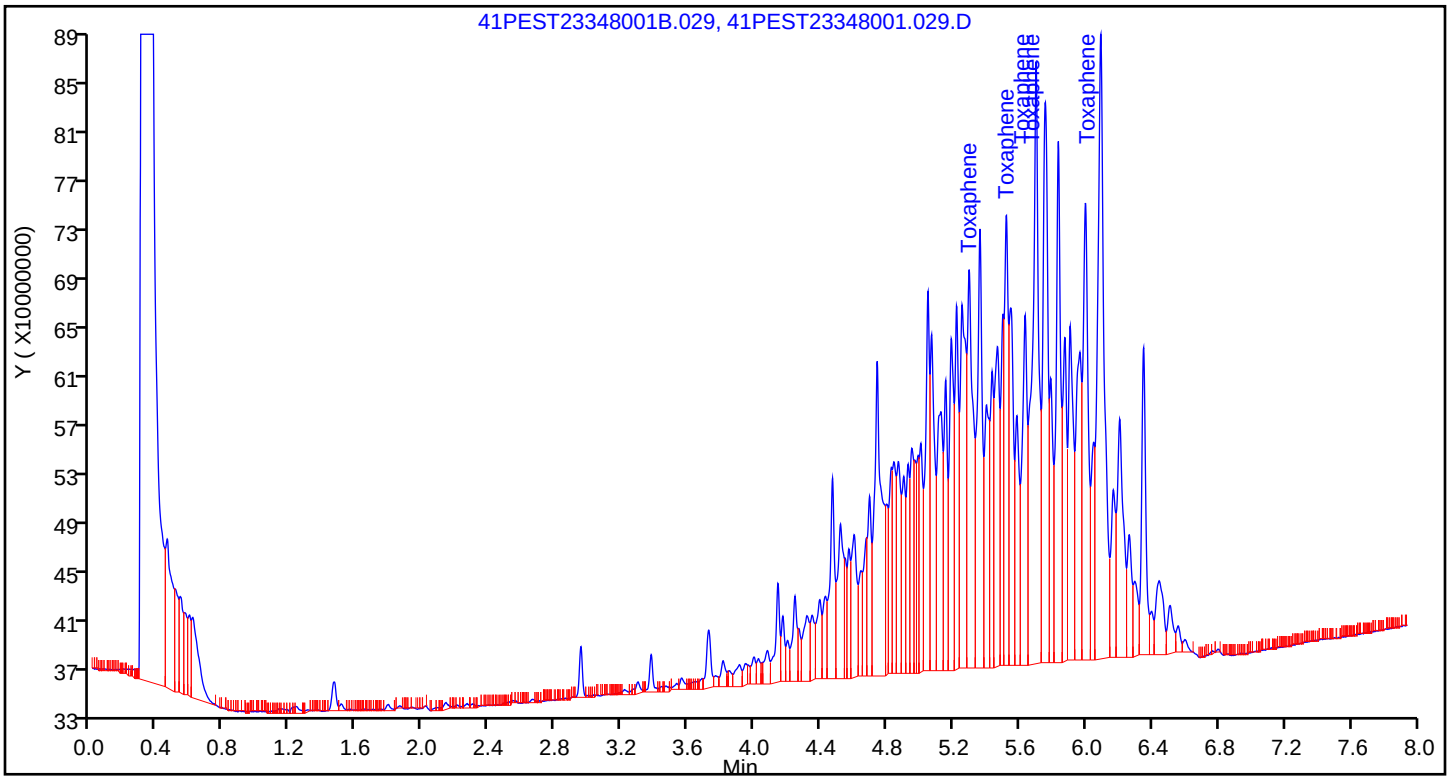
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.030.D
Lims ID: ic t5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Dec-2023 10:21:00 ALS Bottle#: 0 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:28 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	5.137	5.133	0.004	1621937300H	1000.0	995.0	
1	5.350	5.348	0.002	2465104836H	1000.0	1090.2	
1	5.402	5.400	0.002	2241867229H	1000.0	1057.8	
1	5.732	5.730	0.002	3151279606H	1000.0	1132.7	
1	5.975	5.973	0.002	2262098800H	1000.0	998.6	
		Average of Peak Amounts =				1054.9	
2	5.298	5.297	0.001	621202713H	1000.0	986.4	
2	5.523	5.522	0.001	717325090H	1000.0	1081.2	
2	5.703	5.700	0.003	1005762267H	1000.0	1104.7	
2	5.760	5.757	0.003	987751422H	1000.0	1001.5	
2	6.095	6.092	0.003	1184007435H	1000.0	1005.9	
		Average of Peak Amounts =				1035.9	
						RPD = 1.81	

Reagents:

GCS_TOX5_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:29 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.030.D

Injection Date: 14-Dec-2023 10:21:00 Instrument ID: 9147

Lims ID: ic t5

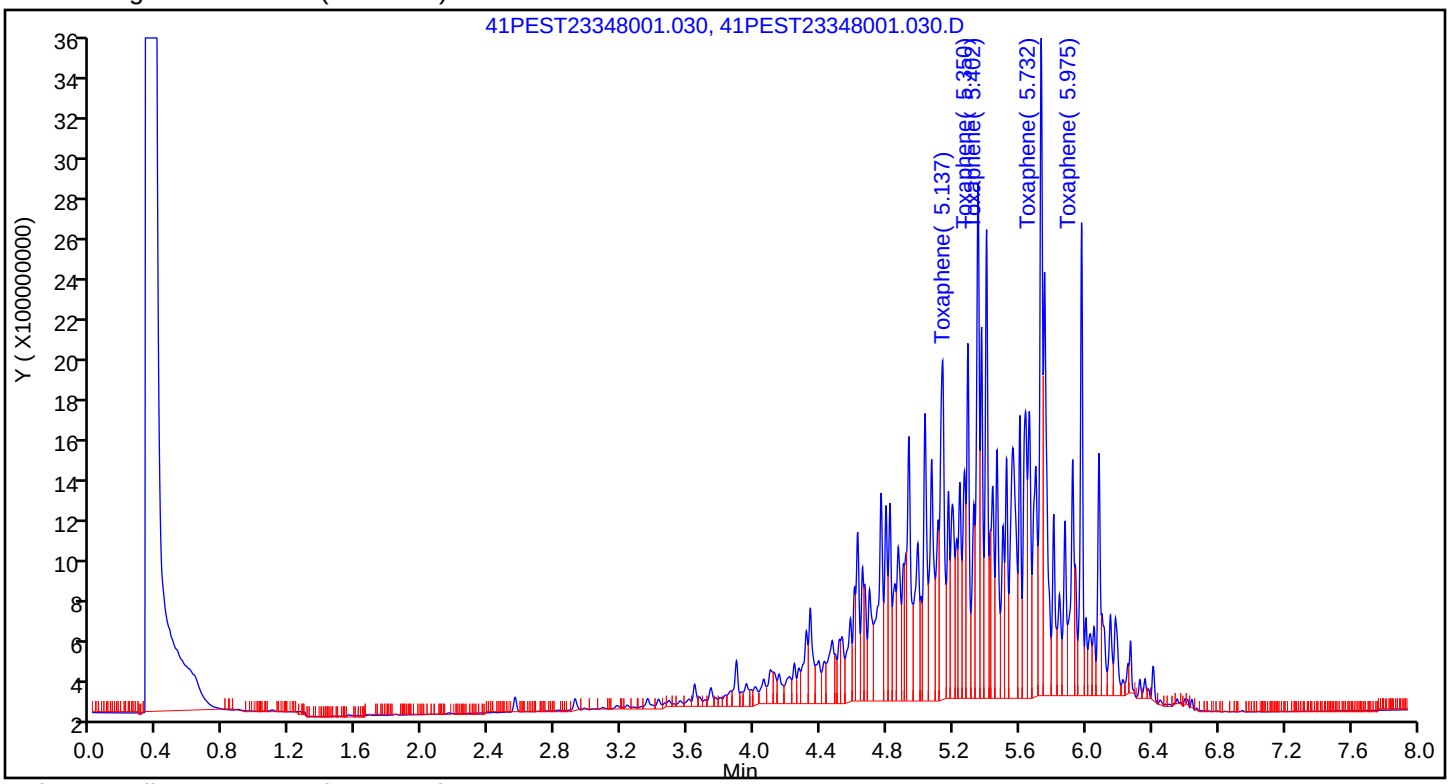
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 30

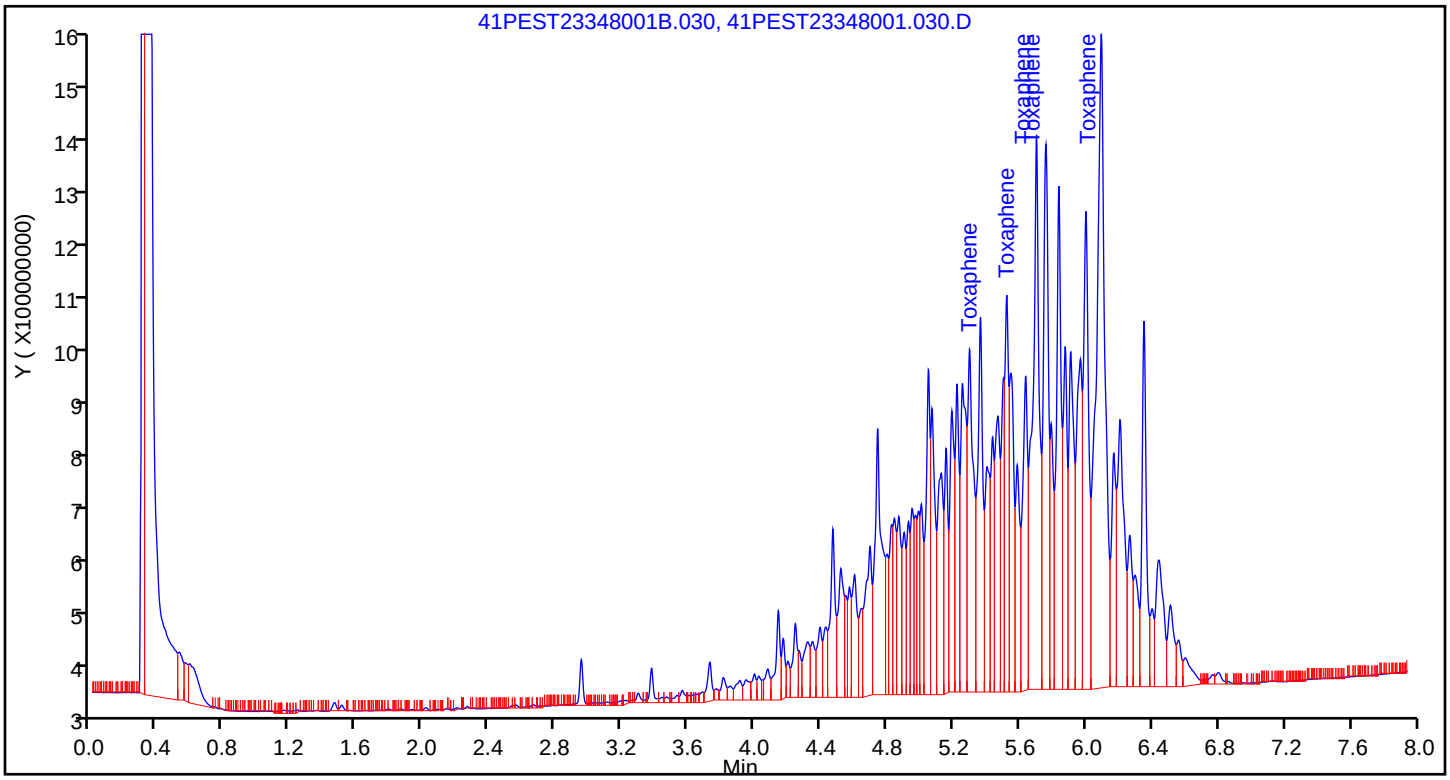
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.031.D
Lims ID: ic t6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Dec-2023 10:35:00 ALS Bottle#: 0 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 14-Dec-2023 12:33:31 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1632

First Level Reviewer: UAMZ Date: 14-Dec-2023 11:18:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.133	5.133	0.000	3404462650H	2000.0	2088.6	M
1	5.348	5.348	0.000	5474948513H	2000.0	2421.3	M
1	5.398	5.400	-0.002	4713880993H	2000.0	2224.3	M
1	5.730	5.730	0.000	6834560559H	2000.0	2456.5	M
1	5.973	5.973	0.000	5143011260H	2000.0	2000.0	M
		Average of Peak Amounts =				2238.2	
2	5.297	5.297	0.000	1200935080H	2000.0	1907.0	
2	5.522	5.522	0.000	1444419516H	2000.0	2177.2	
2	5.700	5.700	0.000	2172543557H	2000.0	2386.3	
2	5.758	5.757	0.001	2183966207H	2000.0	1999.7	
2	6.092	6.092	0.000	2824150028H	2000.0	1999.1	
		Average of Peak Amounts =				2093.9	
					RPD =	6.66	

QC Flag Legend

Processing Flags
H - Response Measured by Height
Review Flags
M - Manually Integrated

Reagents:

GCS_TOX6_00011 Amount Added: 1.00 Units: mL

Report Date: 14-Dec-2023 12:33:32 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.031.D

Injection Date: 14-Dec-2023 10:35:00 Instrument ID: 9147

Lims ID: ic t6

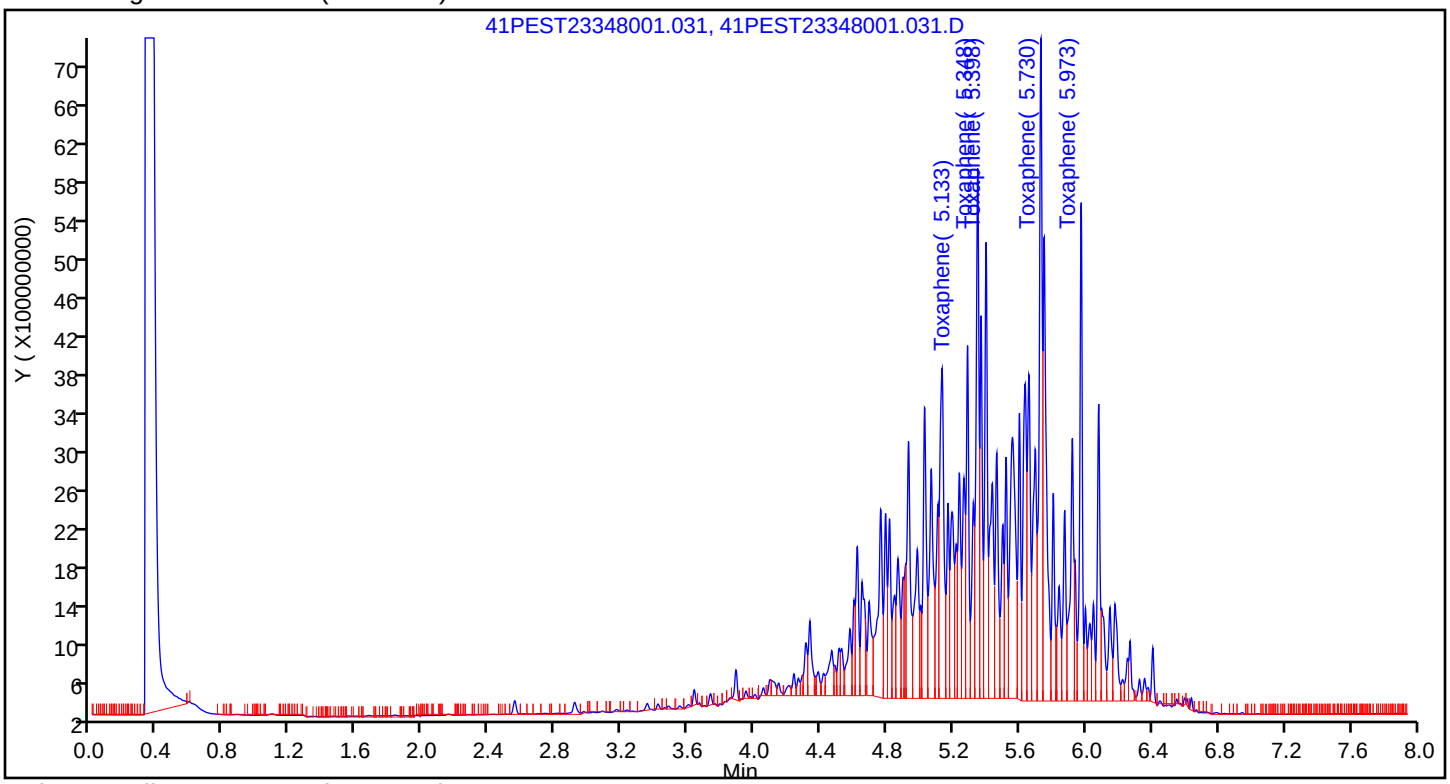
Client ID:

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

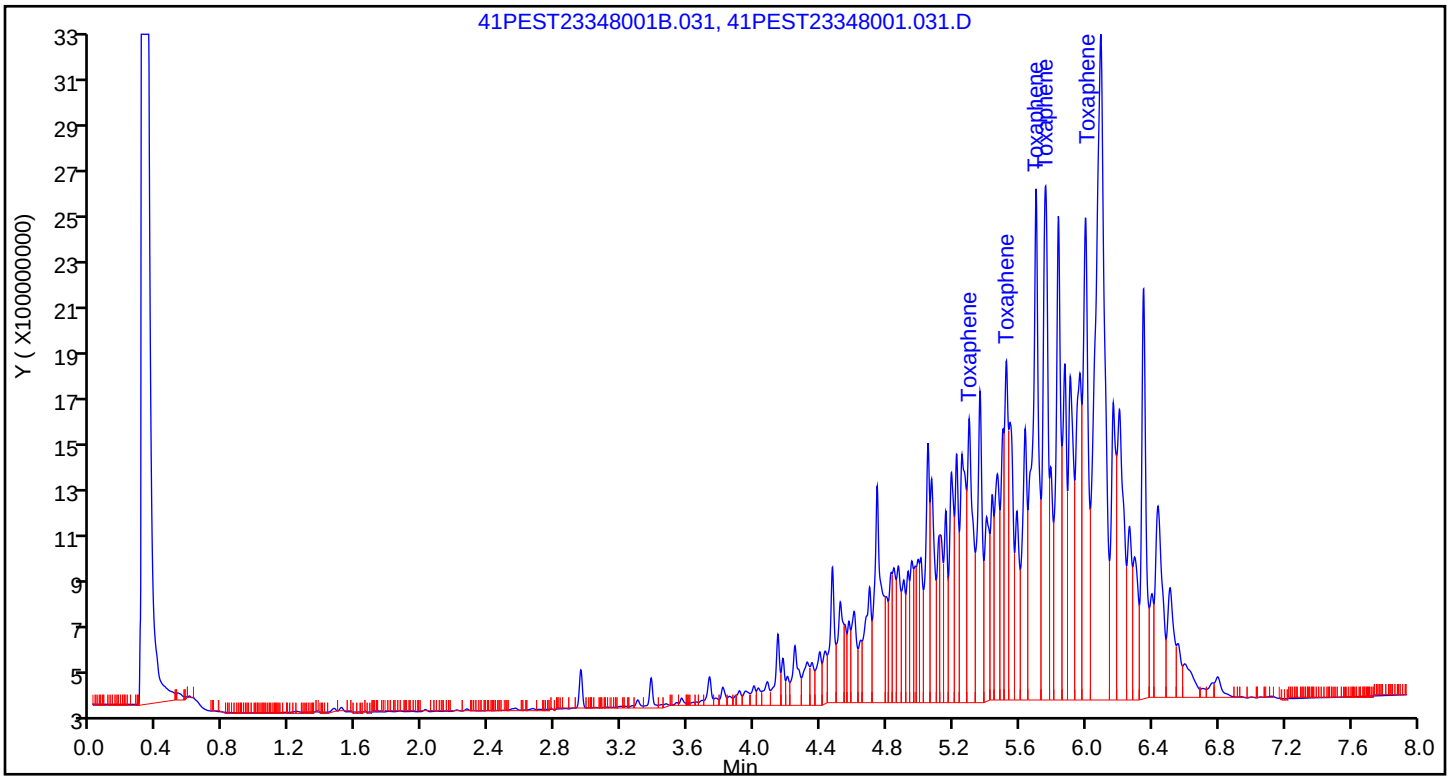
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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

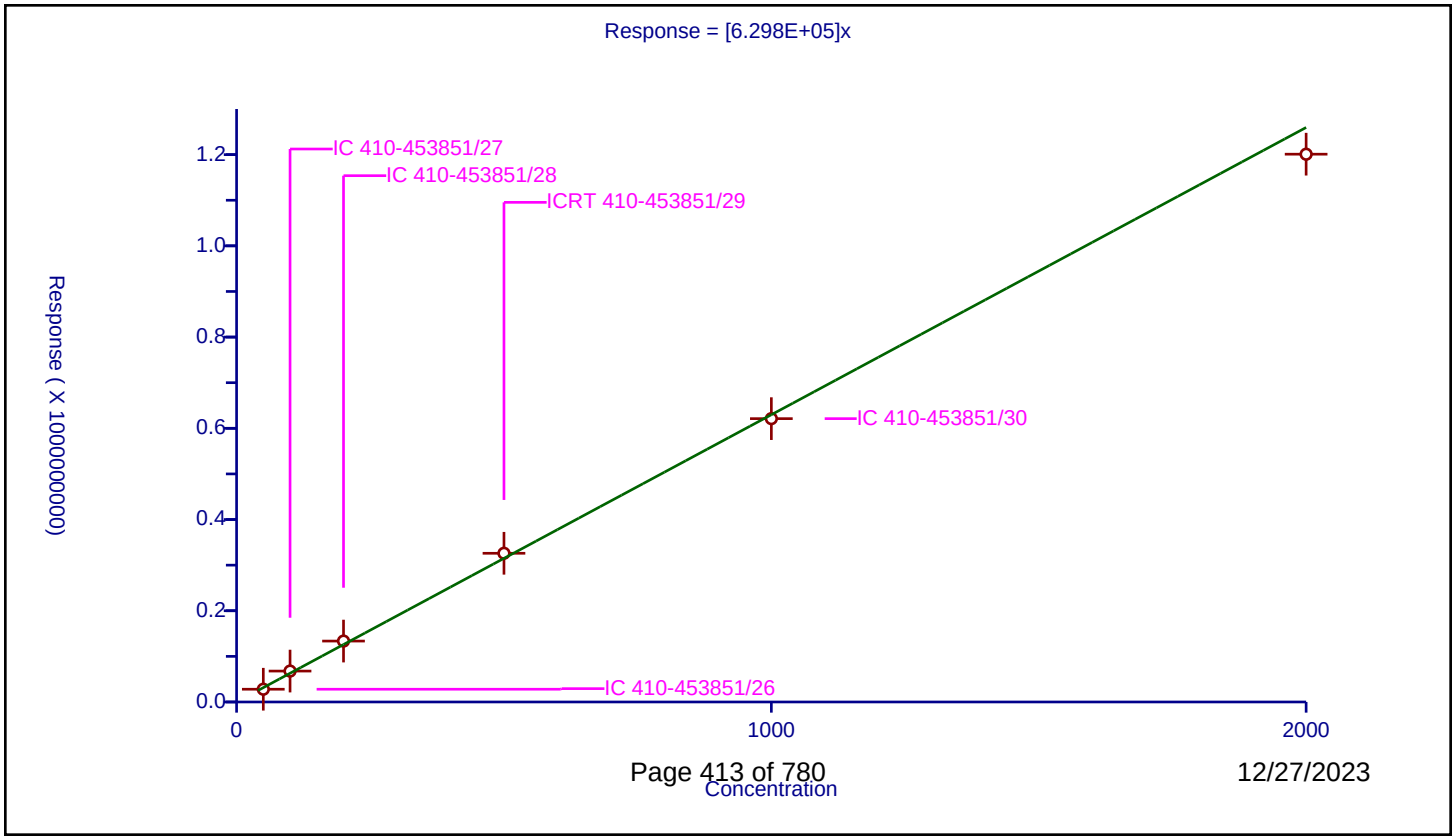
Curve Coefficients

Intercept:	0
Slope:	6.298E+05

Error Coefficients

Standard Error:	27300000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/26	50.0	27963860.0			559277.2	Y
2	IC 410-453851/27	100.0	67794266.0			677942.66	Y
3	IC 410-453851/28	200.0	133539784.0			667698.92	Y
4	ICRT 410-453851/29	500.0	325990939.0			651981.878	Y
5	IC 410-453851/30	1000.0	621202713.0			621202.713	Y
6	IC 410-453851/31	2000.0	1200935080.0			600467.54	Y



Calibration / Toxaphene Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

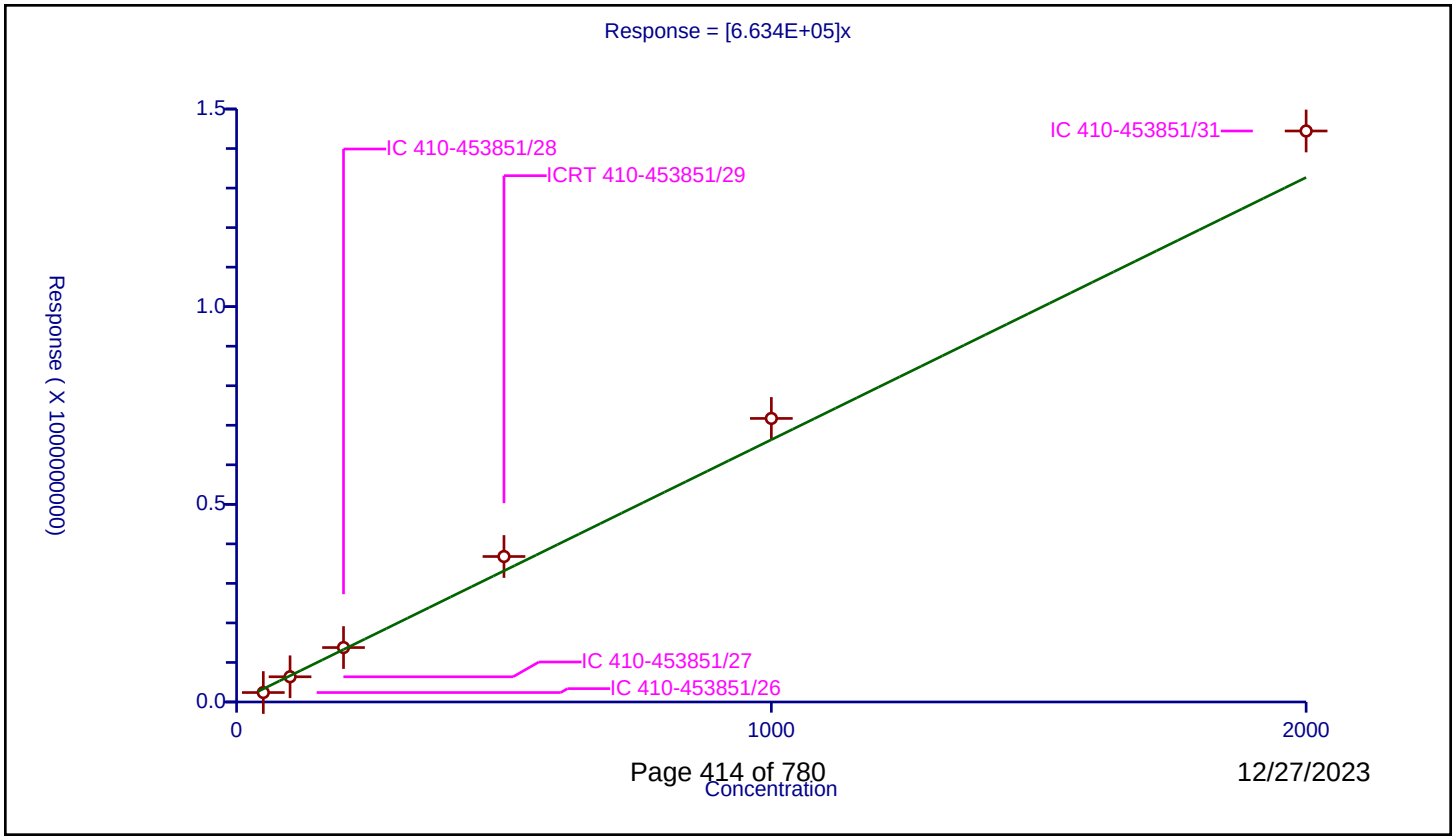
Curve Coefficients

Intercept:	0
Slope:	6.634E+05

Error Coefficients

Standard Error:	60200000
Relative Standard Error:	14.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/26	50.0	23930507.0			478610.14	Y
2	IC 410-453851/27	100.0	63812452.0			638124.52	Y
3	IC 410-453851/28	200.0	137685612.0			688428.06	Y
4	ICRT 410-453851/29	500.0	367976570.0			735953.14	Y
5	IC 410-453851/30	1000.0	717325090.0			717325.09	Y
6	IC 410-453851/31	2000.0	1444419516.0			722209.758	Y



Calibration / Toxaphene Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

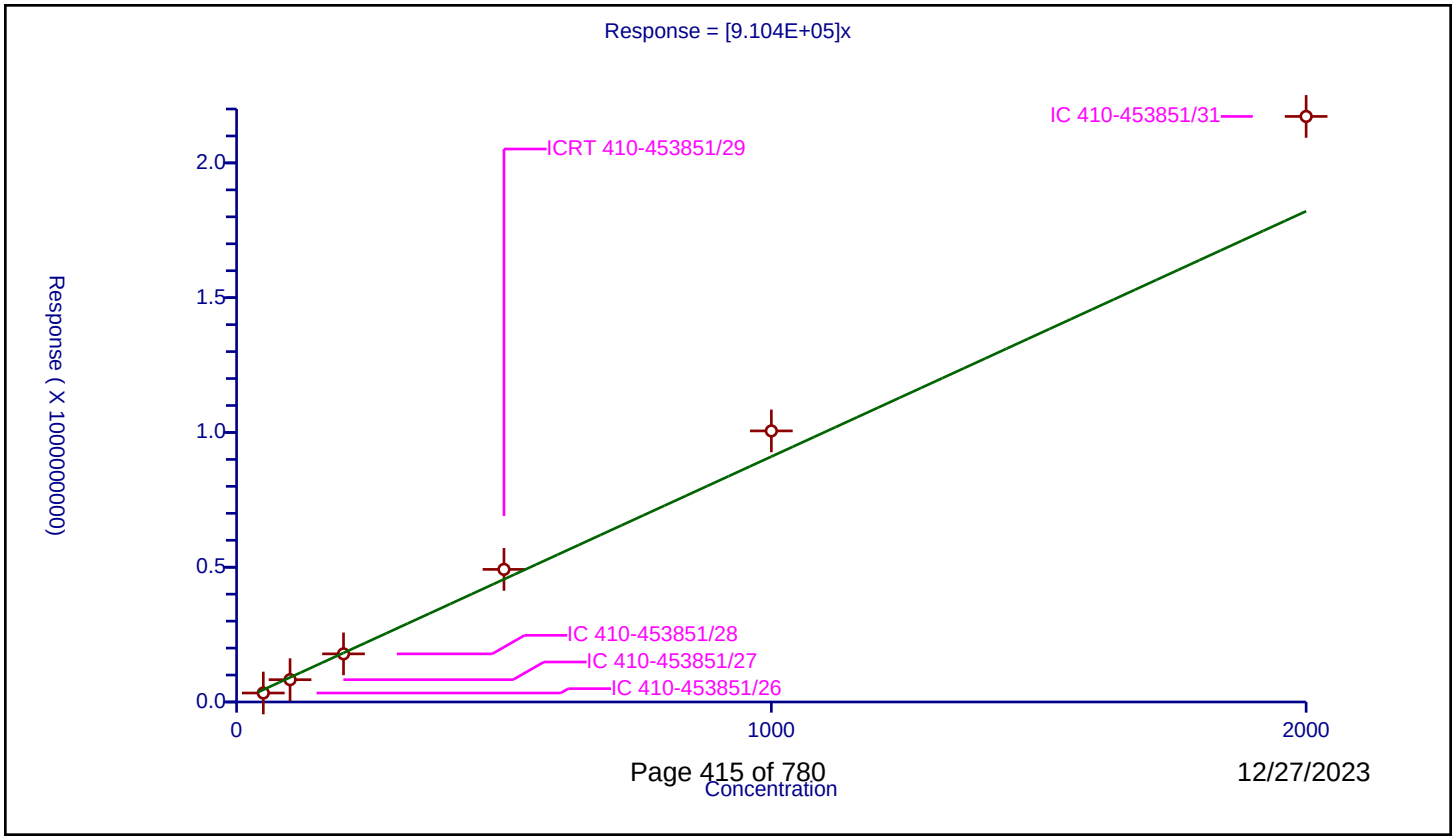
Curve Coefficients

Intercept:	0
Slope:	9.104E+05

Error Coefficients

Standard Error:	164000000
Relative Standard Error:	16.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.967

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/26	50.0	33301705.0			666034.1	Y
2	IC 410-453851/27	100.0	82794600.0			827946.0	Y
3	IC 410-453851/28	200.0	178528952.0			892644.76	Y
4	ICRT 410-453851/29	500.0	491942170.0			983884.34	Y
5	IC 410-453851/30	1000.0	1005762267.0			1005762.267	Y
6	IC 410-453851/31	2000.0	2172543557.0			1086271.7785	Y



Calibration / Toxaphene Peak 4

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

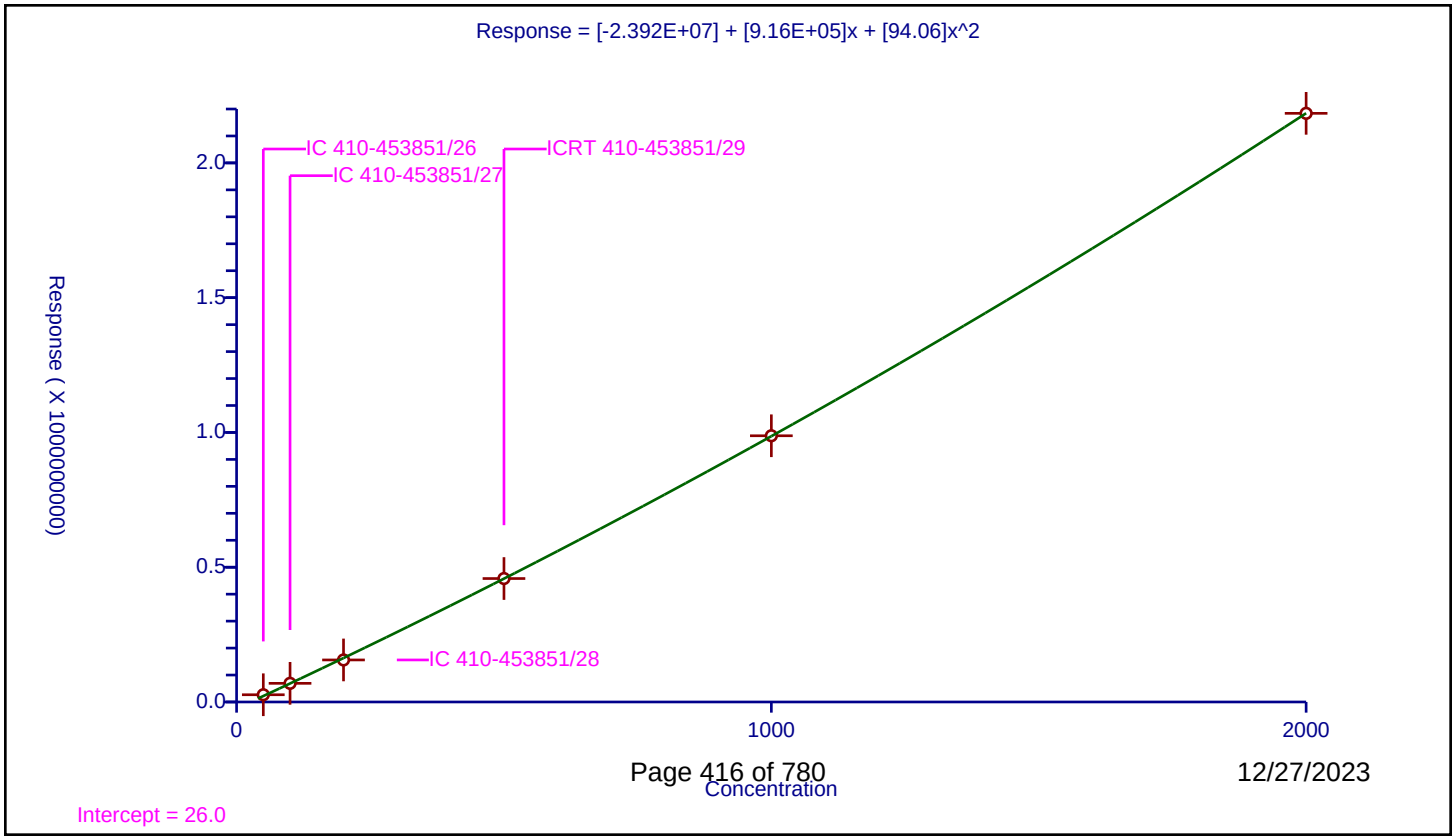
Curve Coefficients

Intercept:	-2.392E+07
Slope:	9.16E+05
Second Order:	94.06

Error Coefficients

Standard Error:	5000000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/26	50.0	26818024.0			536360.48	Y
2	IC 410-453851/27	100.0	69250403.0			692504.03	Y
3	IC 410-453851/28	200.0	155996669.0			779983.345	Y
4	ICRT 410-453851/29	500.0	458053942.0			916107.884	Y
5	IC 410-453851/30	1000.0	987751422.0			987751.422	Y
6	IC 410-453851/31	2000.0	2183966207.0			1091983.1035	Y



Calibration / Toxaphene Peak 5

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

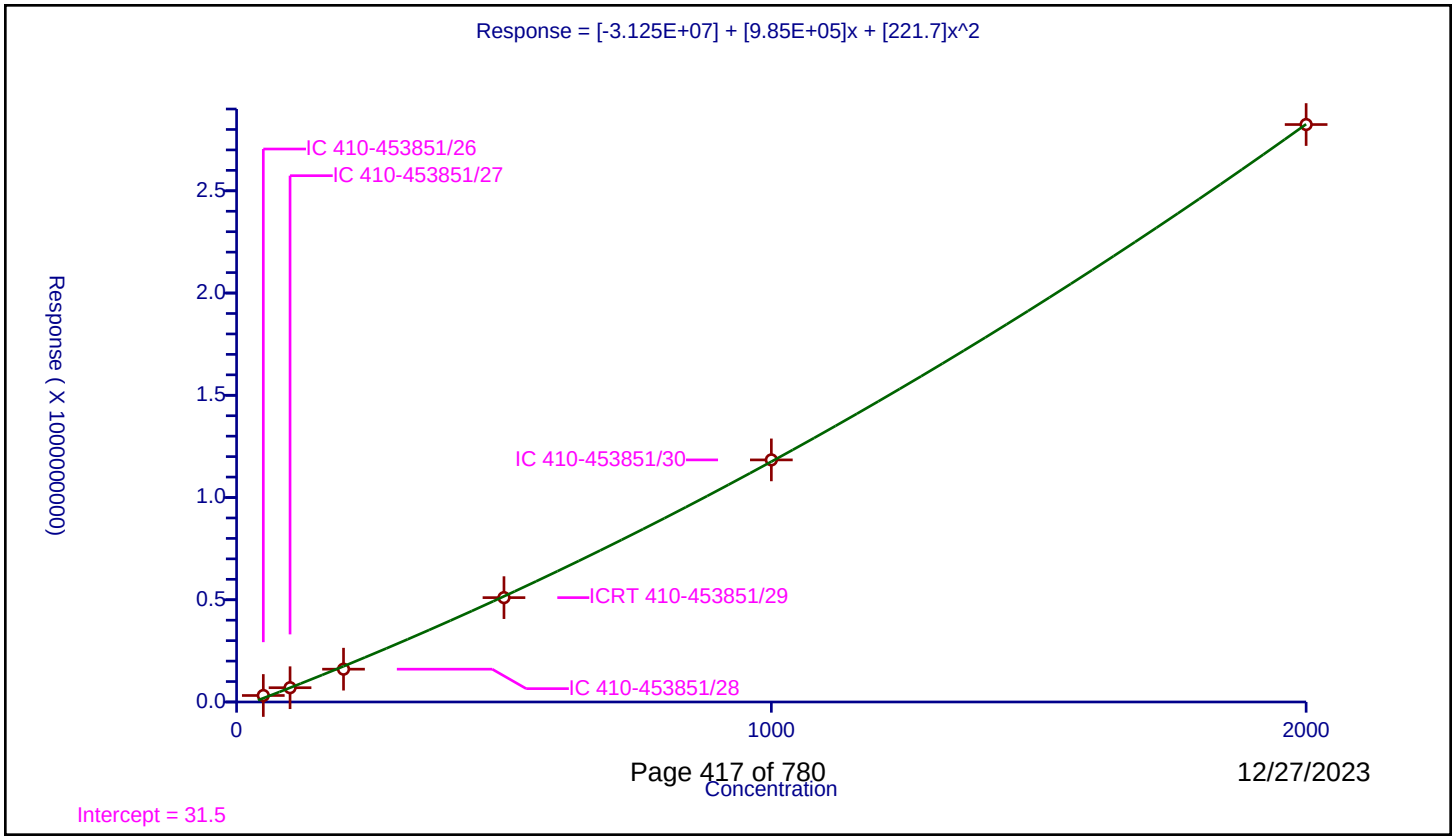
Curve Coefficients

Intercept:	-3.125E+07
Slope:	9.85E+05
Second Order:	221.7

Error Coefficients

Standard Error:	12800000
Relative Standard Error:	15.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-453851/26	50.0	31797827.0			635956.54	Y
2	IC 410-453851/27	100.0	69834725.0			698347.25	Y
3	IC 410-453851/28	200.0	160447756.0			802238.78	Y
4	ICRT 410-453851/29	500.0	510375018.0			1020750.036	Y
5	IC 410-453851/30	1000.0	1184007435.0			1184007.435	Y
6	IC 410-453851/31	2000.0	2824150028.0			1412075.014	Y



FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56934

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-455561/7	41PEST23348004.007.D
Level 2	IC 410-455561/8	41PEST23348004.008.D
Level 3	IC 410-455561/9	41PEST23348004.009.D
Level 4	ICRT 410-455561/10	41PEST23348004.010.D
Level 5	IC 410-455561/11	41PEST23348004.011.D
Level 6	IC 410-455561/12	41PEST23348004.012.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	2.363	2.365	2.363	2.367	2.367	2.367					2.337 - 2.397	2.365
gamma-BHC (Lindane)	2.732	2.733	2.730	2.733	2.733	2.735					2.703 - 2.763	2.733
beta-BHC	2.982	2.983	2.980	2.983	2.983	2.985					2.953 - 3.013	2.983
Heptachlor	3.092	3.093	3.090	3.093	3.093	3.095					3.063 - 3.123	3.093
delta-BHC	3.268	3.272	3.268	3.272	3.272	3.273					3.242 - 3.302	3.271
Aldrin	3.402	3.403	3.400	3.403	3.403	3.405					3.373 - 3.433	3.403
Heptachlor epoxide	3.912	3.913	3.910	3.913	3.913	3.915					3.883 - 3.943	3.913
gamma-Chlordane	4.113	4.117	4.113	4.117	4.117	4.118					4.087 - 4.147	4.116
alpha-Chlordane	4.197	4.200	4.197	4.200	4.200	4.202					4.170 - 4.230	4.199
Endosulfan I	4.243	4.243	4.242	4.245	4.245	4.247					4.215 - 4.275	4.244
p,p'-DDE	4.375	4.377	4.373	4.377	4.377	4.378					4.347 - 4.407	4.376
Dieldrin	4.482	4.483	4.480	4.483	4.483	4.485					4.453 - 4.513	4.483
Endrin	4.733	4.735	4.733	4.737	4.737	4.737					4.707 - 4.767	4.735
p,p'-DDD	4.835	4.837	4.835	4.838	4.838	4.840					4.808 - 4.868	4.837
Endosulfan II	4.943	4.945	4.942	4.947	4.947	4.947					4.917 - 4.977	4.945
p,p'-DDT	5.045	5.047	5.045	5.048	5.048	5.048					5.018 - 5.078	5.047
Endrin aldehyde	5.118	5.120	5.117	5.120	5.120	5.122					5.090 - 5.150	5.120
Endosulfan sulfate	5.268	5.270	5.267	5.270	5.270	5.272					5.240 - 5.300	5.270
Methoxychlor	5.545	5.547	5.545	5.547	5.547	5.548					5.517 - 5.577	5.547
Endrin ketone	5.705	5.707	5.703	5.707	5.707	5.708					5.677 - 5.737	5.706
Tetrachloro-m-xylene (Surr)	1.778	1.778	1.777	1.780	1.780	1.780					1.750 - 1.810	1.779
DCB Decachlorobiphenyl (Surr)	6.453	6.453	6.452	6.455	6.457	6.457					6.425 - 6.485	6.455

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56934

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-455561/7	41PEST23348004.007.D
Level 2	IC 410-455561/8	41PEST23348004.008.D
Level 3	IC 410-455561/9	41PEST23348004.009.D
Level 4	ICRT 410-455561/10	41PEST23348004.010.D
Level 5	IC 410-455561/11	41PEST23348004.011.D
Level 6	IC 410-455561/12	41PEST23348004.012.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	131145179 130552216	121555596 129792907	121235477	131385099	Ave		127611079				3.8		20.0			
gamma-BHC (Lindane)	126489237 123976364	124142138 125858861	118608514	121392211	Ave		123411221				2.4		20.0			
beta-BHC	60698499 48741126	59514623 48725345	50282453	50115826	Ave		53012978. 6				10.5		20.0			
Heptachlor	118939149 109583767	114722561 107562016	103463287	105345733	Ave		109936085				5.3		20.0			
delta-BHC	140141026 139470936	144550484 141796940	133186603	143720670	Ave		140477776				2.9		20.0			
Aldrin	129091081 123565139	129755528 123351548	121814741	121409286	Ave		124831220				2.9		20.0			
Heptachlor epoxide	131732933 117042358	131879775 120709556	115955020	119607967	Ave		122821268				5.8		20.0			
gamma-Chlordane	130918776 127189903	133798159 126755605	123026430	128913906	Ave		128433797				2.9		20.0			
alpha-Chlordane	133883499 124288720	136301870 124865621	121356837	123923221	Ave		127436628				4.8		20.0			
Endosulfan I	123495731 116541772	126429758 114028259	112271712	116795655	Ave		118260481				4.7		20.0			
p,p'-DDE	140240672 144144495	139512879 143694053	137719926	144850850	Ave		141693812				2.1		20.0			
Dieldrin	136028616 145344709	134071843 143200805	132846075	142155903	Ave		138941325				3.8		20.0			
Endrin	126133211 130755549	122243040 127459984	119084733	131736137	Ave		126235442				3.9		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56934

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
p,p'-DDD	115629124 124342000	111138817 125092226	119377887	124840061	Ave		120070019				4.8		20.0			
Endosulfan II	123617008 128089310	118752332 124576683	123847425	124584841	Ave		123911266				2.4		20.0			
p,p'-DDT	99060182 109880490	99900127 115372620	99748844	108489504	Ave		105408628				6.5		20.0			
Endrin aldehyde	106059121 103023911	100589884 101604985	98659970	99403316	Ave		101556864				2.7		20.0			
Endosulfan sulfate	119159193 117704282	116493001 120449618	112198396	121708338	Ave		117952138				2.9		20.0			
Methoxychlor	54813324 54838833	53992488 51492061	52946545	55250882	Ave		53889022.2				2.7		20.0			
Endrin ketone	137855035 136975619	135809198 135579849	132789947	138054654	Ave		136177384				1.4		20.0			
Tetrachloro-m-xylene (Surr)	83654498 81909056	80460097 82018642	80726316	82189589	Ave		81826366.4				1.4		20.0			
DCB Decachlorobiphenyl (Surr)	126284080 119825434	117779206 121177370	118999417	122959125	Ave		121170772				2.5		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56934

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-455561/7	41PEST23348004.007.D
Level 2	IC 410-455561/8	41PEST23348004.008.D
Level 3	IC 410-455561/9	41PEST23348004.009.D
Level 4	ICRT 410-455561/10	41PEST23348004.010.D
Level 5	IC 410-455561/11	41PEST23348004.011.D
Level 6	IC 410-455561/12	41PEST23348004.012.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
alpha-BHC	Ave	65048009 2595858132	121555596	606177384	1313850992	1984393687	0.496 20.0	1.00	5.00	10.0	15.2
gamma-BHC (Lindane)	Ave	63522895 2548641938	125693915	600455601	1229096138	1907996241	0.502 20.3	1.01	5.06	10.1	15.4
beta-BHC	Ave	30482786 986688241	60258556	254554919	507422734	750125925	0.502 20.3	1.01	5.06	10.1	15.4
Heptachlor	Ave	58993818 2151240316	114722561	517316434	1053457327	1665673264	0.496 20.0	1.00	5.00	10.0	15.2
delta-BHC	Ave	69509949 2835938796	144550484	665933015	1437206698	2119958225	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	64029176 2467030963	129755528	609073703	1214092860	1878190111	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	66156279 2444368517	133528272	587022289	1211030668	1801281894	0.502 20.3	1.01	5.06	10.1	15.4
gamma-Chlordane	Ave	64935713 2535112098	133798159	615132151	1289139058	1933286532	0.496 20.0	1.00	5.00	10.0	15.2
alpha-Chlordane	Ave	67236293 2528528833	138005643	614368986	1254722615	1912803403	0.502 20.3	1.01	5.06	10.1	15.4
Endosulfan I	Ave	62019556 2309072242	128010130	568375543	1182556006	1793577866	0.502 20.3	1.01	5.06	10.1	15.4
p,p'-DDE	Ave	139988239 5783685639	280769668	1385806751	2915123354	4409380088	0.998 40.3	2.01	10.1	20.1	30.6
Dieldrin	Ave	134940387 5728032193	268143686	1328460753	2843118055	4418479166	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	125124145 5098399361	244486080	1190847332	2634722740	3974968699	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	114704091 5003689020	222277633	1193778870	2496801224	3779996808	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan II	Ave	122628072 4983067304	237504663	1238474245	2491696812	3893915015	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDT	Ave	98267701	199800253	997488438	2169790082	3340366910	0.992	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 Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56934

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
		4614904787					40.0				
Endrin aldehyde	Ave	105210648 4064199417	201179768	986599698	1988066312	3131926898	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan sulfate	Ave	118205919 4817984702	232986001	1121983960	2434166769	3578210185	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	273913145 1037565026 3	543974312	2667182229	5566526324	8398018942	5.00 202	10.1	50.4	101	153
Endrin ketone	Ave	137606896 5457088909	273316011	1336198838	2778349917	4190084199	0.998 40.3	2.01	10.1	20.1	30.6
Tetrachloro-m-xylene (Surr)	Ave	166966347 6600860347	323771430	1624213479	3307309070	5009951013	2.00 80.5	4.02	20.1	40.2	61.2
DCB Decachlorobiphenyl (Surr)	Ave	252677270 9776590249	475121317	2400218244	4960171106	7347312157	2.00 80.7	4.03	20.2	40.3	61.3

Curve Type Legend:

Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.007.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Dec-2023 05:18:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic mixa1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:32:44 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.780	-0.002	166966347H	2.00	2.04	
2	2.338	2.342	-0.004	96084814H	2.00	2.42	
						RPD = 17.17	
2 alpha-BHC							
1	2.363	2.367	-0.004	65048009H	0.4960	0.5097	
2	2.748	2.752	-0.004	74014392H	0.4960	0.5087	
						RPD = 0.20	
4 gamma-BHC (Lindane)							
1	2.732	2.733	-0.001	63522895H	0.5022	0.5147	
2	3.090	3.092	-0.002	77725084H	0.5022	0.5258	
						RPD = 2.13	
5 beta-BHC							
1	2.982	2.983	-0.001	30482786H	0.5022	0.5750	
2	3.375	3.378	-0.003	32944555H	0.5022	0.5672	
						RPD = 1.37	
7 delta-BHC							
1	3.268	3.272	-0.004	69509949H	0.4960	0.4948	
2	3.628	3.632	-0.004	92055745H	0.4960	0.5067	
						RPD = 2.38	
8 Heptachlor							
1	3.092	3.093	-0.001	58993818H	0.4960	0.5366	
2	3.687	3.692	-0.005	92842354H	0.4960	0.5439	
						RPD = 1.35	
9 Aldrin							
1	3.402	3.403	-0.001	64029176H	0.4960	0.5129	
2	3.988	3.992	-0.004	93751038H	0.4960	0.5437	
						RPD = 5.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.912	3.913	-0.001	66156279H	0.5022	0.5386	
2	4.375	4.378	-0.003	87966762H	0.5022	0.5675	
						RPD = 5.21	
13 trans-Chlordane							
1	4.113	4.117	-0.004	64935713H	0.4960	0.5056	
2	4.640	4.643	-0.003	77568780H	0.4960	0.5540	
						RPD = 9.14	
14 cis-Chlordane							
1	4.197	4.200	-0.003	67236293H	0.5022	0.5276	
2	4.680	4.683	-0.003	78666812H	0.5022	0.5699	
						RPD = 7.72	
15 Endosulfan I							
1	4.243	4.245	-0.002	62019556H	0.5022	0.5244	
2	4.710	4.713	-0.003	77291203H	0.5022	0.5717	
						RPD = 8.62	
16 4,4'-DDE							
1	4.375	4.377	-0.002	139988239H	1.00	0.9880	
2	4.807	4.812	-0.005	132262272H	1.00	1.11	
						RPD = 12.00	
18 Dieldrin							
1	4.482	4.483	-0.001	134940387H	0.99	0.9712	
2	4.915	4.918	-0.003	132411780H	0.99	1.12	
						RPD = 14.10	
19 Endrin							
1	4.733	4.737	-0.004	125124145H	0.99	0.99	
2	5.095	5.098	-0.003	107035619H	0.99	1.21	
						RPD = 20.25	
22 4,4'-DDD							
1	4.835	4.838	-0.003	114704091H	0.99	0.9553	
2	5.208	5.212	-0.004	65975413H	0.99	1.19	
						RPD = 22.25	
23 Endosulfan II							
1	4.943	4.947	-0.004	122628072H	0.99	0.9896	
2	5.298	5.302	-0.004	77017156H	0.99	1.24	
						RPD = 22.72	
25 Endrin aldehyde							
1	5.118	5.120	-0.002	105210648H	0.99	1.04	
2	5.382	5.385	-0.003	58771666H	0.99	1.26	
						RPD = 19.87	
26 4,4'-DDT							
1	5.045	5.048	-0.003	98267701H	0.99	0.9323	
2	5.438	5.442	-0.004	39114306H	0.99	1.13	
						RPD = 18.92	
27 Endosulfan sulfate							
1	5.268	5.270	-0.002	118205919H	0.99	1.00	
2	5.593	5.595	-0.002	58354917H	0.99	1.19	
						RPD = 16.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.545	5.547	-0.002	273913145H	5.00	5.08	
2	5.763	5.767	-0.004	102667301H	5.00	5.59	
						RPD = 9.51	
29 Endrin ketone							
1	5.705	5.707	-0.002	137606896H	1.00	1.01	
2	5.898	5.900	-0.002	62355067H	1.00	1.05	
						RPD = 4.01	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.453	6.455	-0.002	252677270H	2.00	2.09	
2	6.952	6.953	-0.001	103261877H	2.00	2.26	
						RPD = 7.85	
S 32 Total DDTs							
1						0.9323	
2						1.13	
						RPD = 18.92	
S 33 Endosulfan, Total							
1						1.51	
2						1.81	
						RPD = 18.07	

Reagents:

GCS_MIXA1_00011 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:32:45 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.007.D

Injection Date: 19-Dec-2023 05:18:00 Instrument ID: 9147

Lims ID: ic mixa1

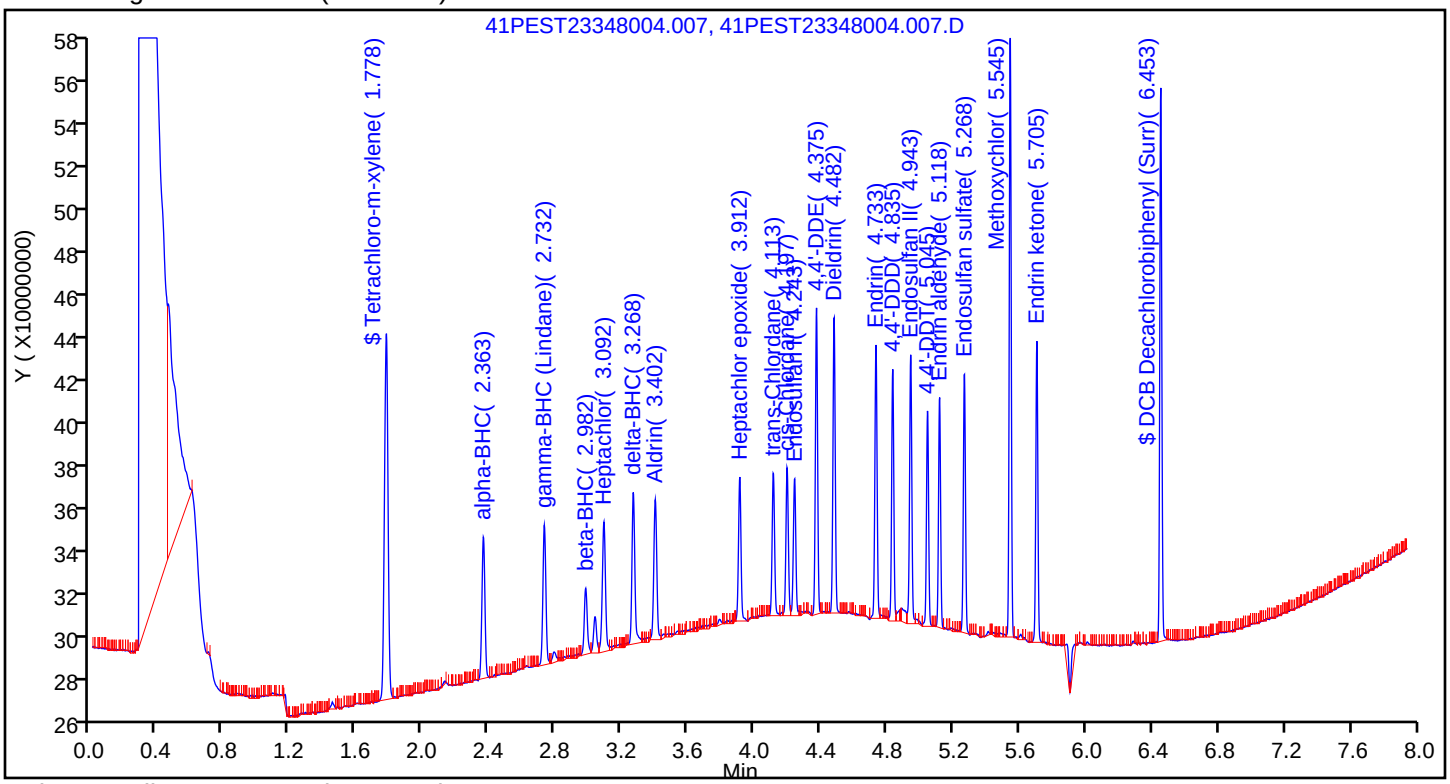
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

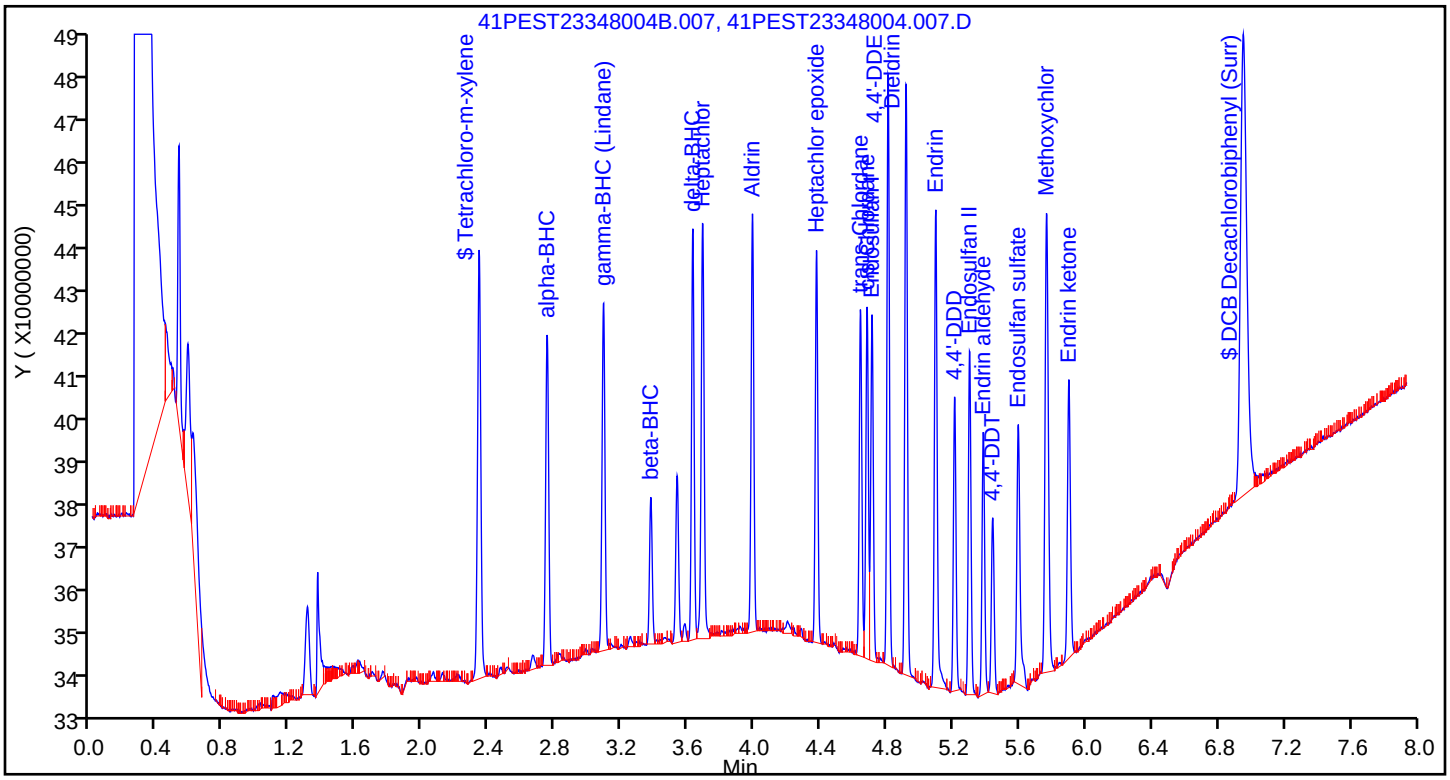
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.008.D
Lims ID: ic 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Dec-2023 05:32:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:32:48 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

First Level Reviewer: UAMZ Date: 19-Dec-2023 07:16:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.780	-0.002	323771430H	4.02	3.96	
2	2.340	2.342	-0.002	178934685H	4.02	4.51	
						RPD = 13.14	
2 alpha-BHC							
1	2.365	2.367	-0.002	121555596H	1.00	0.9525	
2	2.750	2.752	-0.002	148203608H	1.00	1.02	
						RPD = 6.71	
4 gamma-BHC (Lindane)							
1	2.733	2.733	0.000	125693915H	1.01	1.02	
2	3.090	3.092	-0.002	154143761H	1.01	1.04	
						RPD = 2.35	
5 beta-BHC							
1	2.983	2.983	0.000	60258556H	1.01	1.14	
2	3.377	3.378	-0.001	65325659H	1.01	1.12	
						RPD = 1.06	
7 delta-BHC							
1	3.272	3.272	0.000	144550484H	1.00	1.03	
2	3.630	3.632	-0.002	176192625H	1.00	0.9698	
						RPD = 5.92	
8 Heptachlor							
1	3.093	3.093	0.000	114722561H	1.00	1.04	
2	3.690	3.692	-0.002	179970405H	1.00	1.05	
						RPD = 1.03	
9 Aldrin							
1	3.403	3.403	0.000	129755528H	1.00	1.04	
2	3.990	3.992	-0.002	177628056H	1.00	1.03	
						RPD = 0.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.913	3.913	0.000	133528272H	1.01	1.09	
2	4.377	4.378	-0.001	167567631H	1.01	1.08	
						RPD = 0.57	
13 trans-Chlordane							
1	4.117	4.117	0.000	133798159H	1.00	1.04	
2	4.643	4.643	0.000	149689467H	1.00	1.07	
						RPD = 2.59	
14 cis-Chlordane							
1	4.200	4.200	0.000	138005643H	1.01	1.08	
2	4.682	4.683	-0.001	152556114H	1.01	1.11	
						RPD = 2.04	
15 Endosulfan I							
1	4.243	4.245	-0.002	128010130H	1.01	1.08	
2	4.712	4.713	-0.001	148718670H	1.01	1.10	
						RPD = 1.60	
16 4,4'-DDE							
1	4.377	4.377	0.000	280769668H	2.01	1.98	
2	4.810	4.812	-0.002	242925556H	2.01	2.05	
						RPD = 3.22	
18 Dieldrin							
1	4.483	4.483	0.000	268143686H	2.00	1.93	
2	4.917	4.918	-0.001	248559417H	2.00	2.10	
						RPD = 8.43	
19 Endrin							
1	4.735	4.737	-0.002	244486080H	2.00	1.94	
2	5.097	5.098	-0.001	195712730H	2.00	2.22	
						RPD = 13.66	
22 4,4'-DDD							
1	4.837	4.838	-0.001	222277633H	2.00	1.85	
2	5.210	5.212	-0.002	127855870H	2.00	2.31	
						RPD = 22.26	
23 Endosulfan II							
1	4.945	4.947	-0.002	237504663H	2.00	1.92	
2	5.300	5.302	-0.002	144075888H	2.00	2.33	
						RPD = 19.28	
25 Endrin aldehyde							
1	5.120	5.120	0.000	201179768H	2.00	1.98	
2	5.383	5.385	-0.002	107069984H	2.00	2.30	
						RPD = 15.06	
26 4,4'-DDT							
1	5.047	5.048	-0.001	199800253H	2.00	1.90	
2	5.440	5.442	-0.002	75832267H	2.00	2.19	
						RPD = 14.20	
27 Endosulfan sulfate							
1	5.270	5.270	0.000	232986001H	2.00	1.98	
2	5.595	5.595	0.000	111700537H	2.00	2.27	
						RPD = 13.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.547	5.547	0.000	543974312H	10.1	10.1	
2	5.765	5.767	-0.002	197557618H	10.1	10.8	
						RPD = 6.36	
29 Endrin ketone							
1	5.707	5.707	0.000	273316011H	2.01	2.01	
2	5.900	5.900	0.000	124513435H	2.01	2.10	
						RPD = 4.55	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.453	6.455	-0.002	475121317H	4.03	3.92	
2	6.952	6.953	-0.001	193405481H	4.03	4.22	
						RPD = 7.45	
S 32 Total DDTs							
1						1.90	
2						2.19	
						RPD = 14.20	
S 33 Endosulfan, Total							
1						3.00	
2						3.43	
						RPD = 13.28	

Reagents:

GCS_MIXA2_00010 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:32:49 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.008.D

Injection Date: 19-Dec-2023 05:32:00 Instrument ID: 9147

Lims ID: ic 2

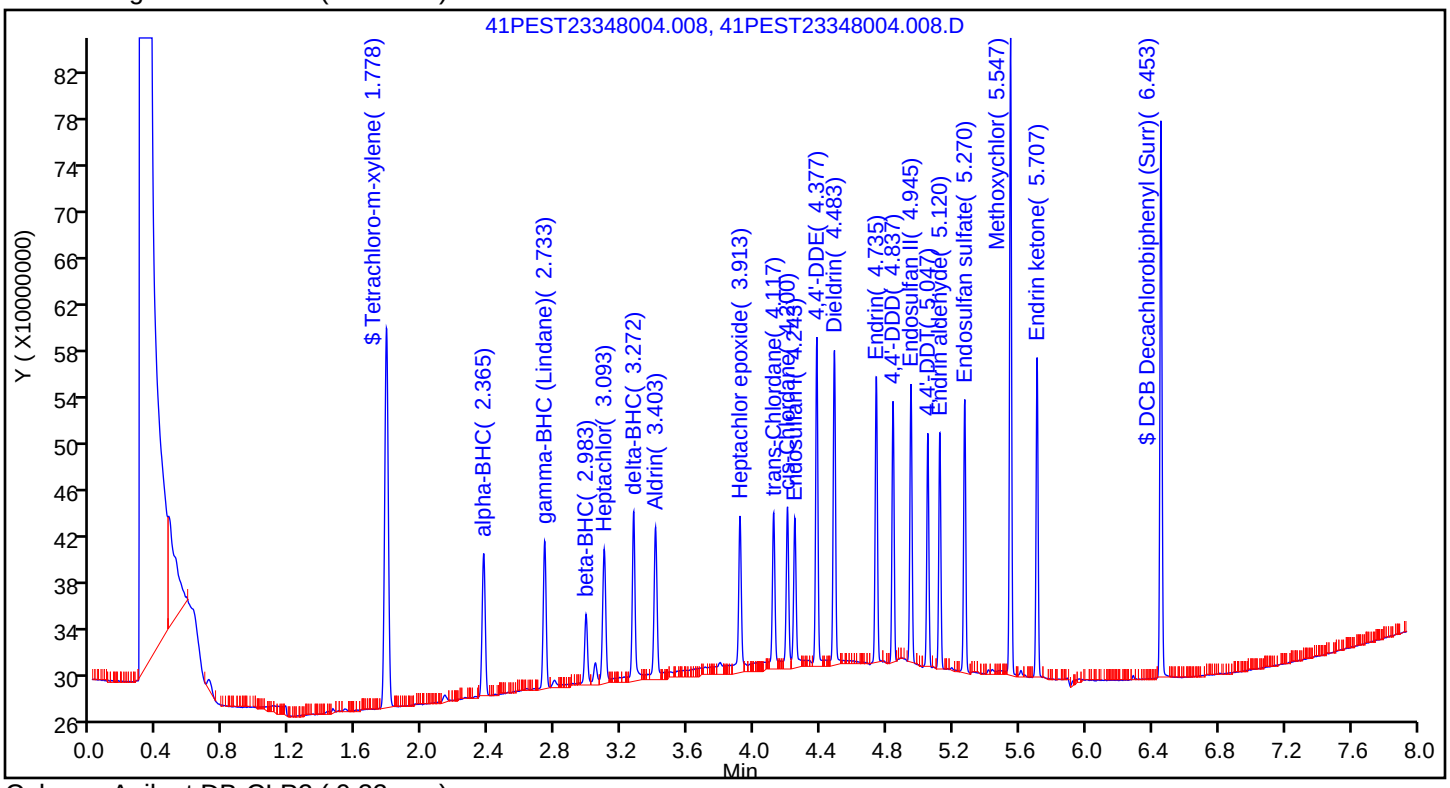
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

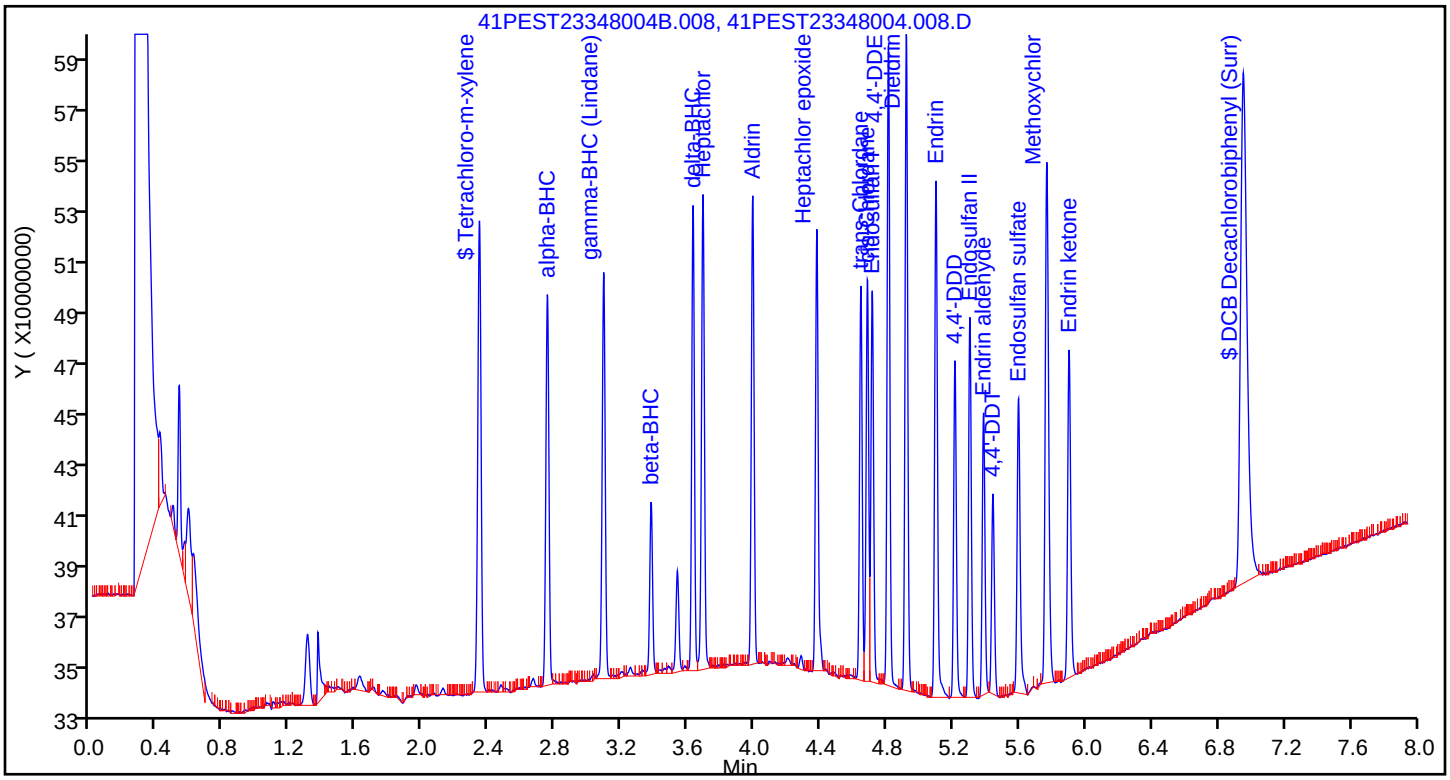
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.009.D
Lims ID: ic 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Dec-2023 05:47:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:32:53 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.780	-0.003	1624213479H	20.1	19.8	
2	2.338	2.342	-0.004	756306054H	20.1	19.1	
						RPD = 3.97	
2 alpha-BHC							
1	2.363	2.367	-0.004	606177384H	5.00	4.75	
2	2.750	2.752	-0.002	696446179H	5.00	4.79	
						RPD = 0.77	
4 gamma-BHC (Lindane)							
1	2.730	2.733	-0.003	600455601H	5.06	4.87	
2	3.090	3.092	-0.002	707706459H	5.06	4.79	
						RPD = 1.62	
5 beta-BHC							
1	2.980	2.983	-0.003	254554919H	5.06	4.80	
2	3.377	3.378	-0.001	297660938H	5.06	5.12	
						RPD = 6.51	
7 delta-BHC							
1	3.268	3.272	-0.004	665933015H	5.00	4.74	
2	3.630	3.632	-0.002	857367771H	5.00	4.72	
						RPD = 0.45	
8 Heptachlor							
1	3.090	3.093	-0.003	517316434H	5.00	4.71	
2	3.690	3.692	-0.002	818036180H	5.00	4.79	
						RPD = 1.83	
9 Aldrin							
1	3.400	3.403	-0.003	609073703H	5.00	4.88	
2	3.990	3.992	-0.002	819515756H	5.00	4.75	
						RPD = 2.62	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.910	3.913	-0.003	587022289H	5.06	4.78	
2	4.377	4.378	-0.001	752289798H	5.06	4.85	
						RPD = 1.52	
13 trans-Chlordane							
1	4.113	4.117	-0.004	615132151H	5.00	4.79	
2	4.642	4.643	-0.001	669839297H	5.00	4.78	
						RPD = 0.11	
14 cis-Chlordane							
1	4.197	4.200	-0.003	614368986H	5.06	4.82	
2	4.682	4.683	-0.001	672654780H	5.06	4.87	
						RPD = 1.08	
15 Endosulfan I							
1	4.242	4.245	-0.003	568375543H	5.06	4.81	
2	4.712	4.713	-0.001	657579431H	5.06	4.86	
						RPD = 1.19	
16 4,4'-DDE							
1	4.373	4.377	-0.004	1385806751H	10.1	9.78	
2	4.808	4.812	-0.004	1139906038H	10.1	9.60	
						RPD = 1.84	
18 Dieldrin							
1	4.480	4.483	-0.003	1328460753H	10.0	9.56	
2	4.917	4.918	-0.001	1138627969H	10.0	9.62	
						RPD = 0.60	
19 Endrin							
1	4.733	4.737	-0.004	1190847332H	10.0	9.43	
2	5.097	5.098	-0.001	822895180H	10.0	9.34	
						RPD = 1.02	
22 4,4'-DDD							
1	4.835	4.838	-0.003	1193778870H	10.0	9.94	
2	5.210	5.212	-0.002	531963186H	10.0	9.63	
						RPD = 3.18	
23 Endosulfan II							
1	4.942	4.947	-0.005	1238474245H	10.0	10.0	
2	5.300	5.302	-0.002	596217859H	10.0	9.62	
						RPD = 3.77	
25 Endrin aldehyde							
1	5.117	5.120	-0.003	986599698H	10.0	9.71	
2	5.382	5.385	-0.003	449893070H	10.0	9.68	
						RPD = 0.36	
26 4,4'-DDT							
1	5.045	5.048	-0.003	997488438H	10.0	9.46	
2	5.438	5.442	-0.004	342135475H	10.0	9.86	
						RPD = 4.10	
27 Endosulfan sulfate							
1	5.267	5.270	-0.003	1121983960H	10.0	9.51	
2	5.593	5.595	-0.002	482482639H	10.0	9.81	
						RPD = 3.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.545	5.547	-0.002	2667182229H	50.4	49.5	
2	5.763	5.767	-0.004	897689659H	50.4	48.9	
						RPD = 1.25	
29 Endrin ketone							
1	5.703	5.707	-0.004	1336198838H	10.1	9.81	
2	5.898	5.900	-0.002	588161364H	10.1	9.92	
						RPD = 1.11	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.452	6.455	-0.003	2400218244H	20.2	19.8	
2	6.950	6.953	-0.003	899152224H	20.2	19.6	
						RPD = 0.85	
S 32 Total DDTs							
1						9.46	
2						9.86	
						RPD = 4.10	
S 33 Endosulfan, Total							
1						14.8	
2						14.5	
						RPD = 2.14	

Reagents:

GCS_MIXA3_00011 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:32:54 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.009.D

Injection Date: 19-Dec-2023 05:47:00 Instrument ID: 9147

Lims ID: ic 3

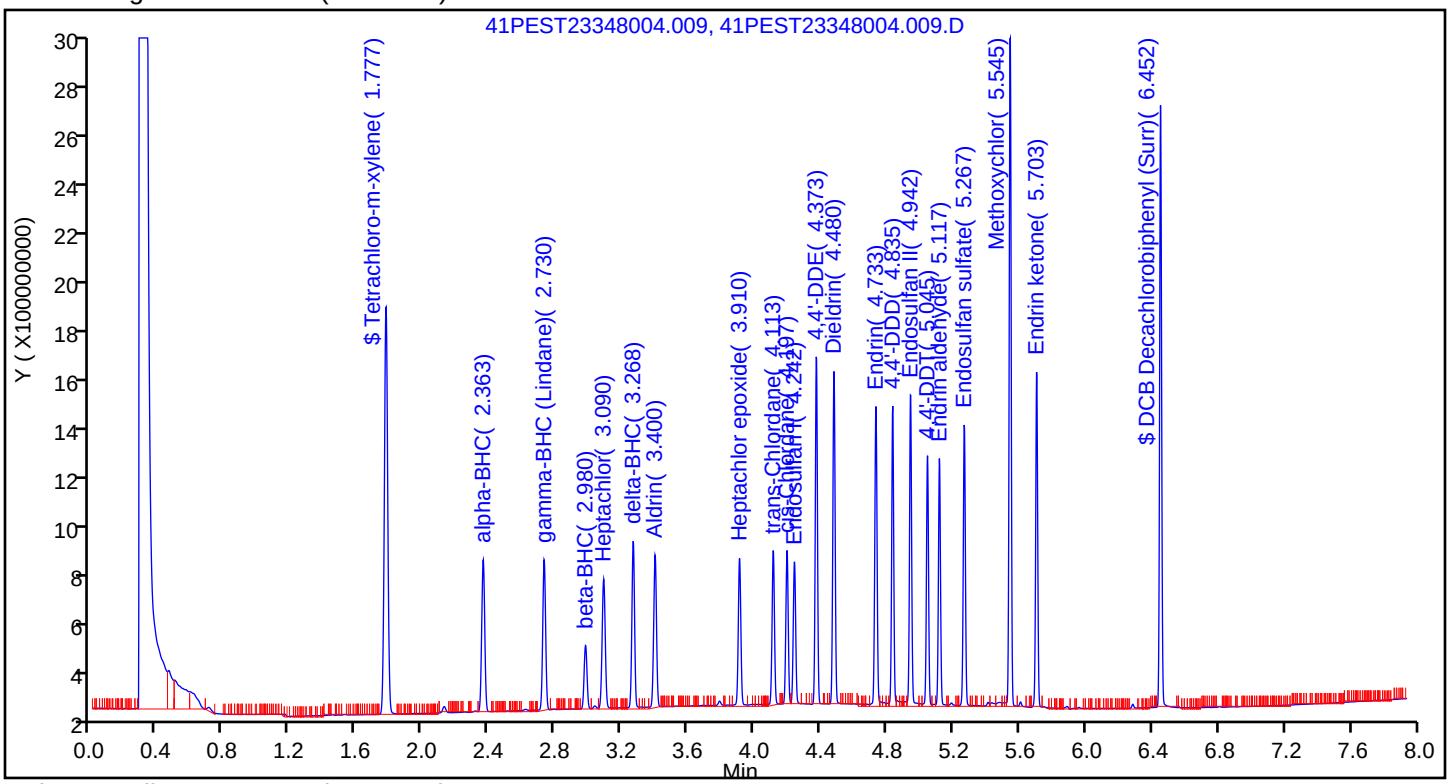
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

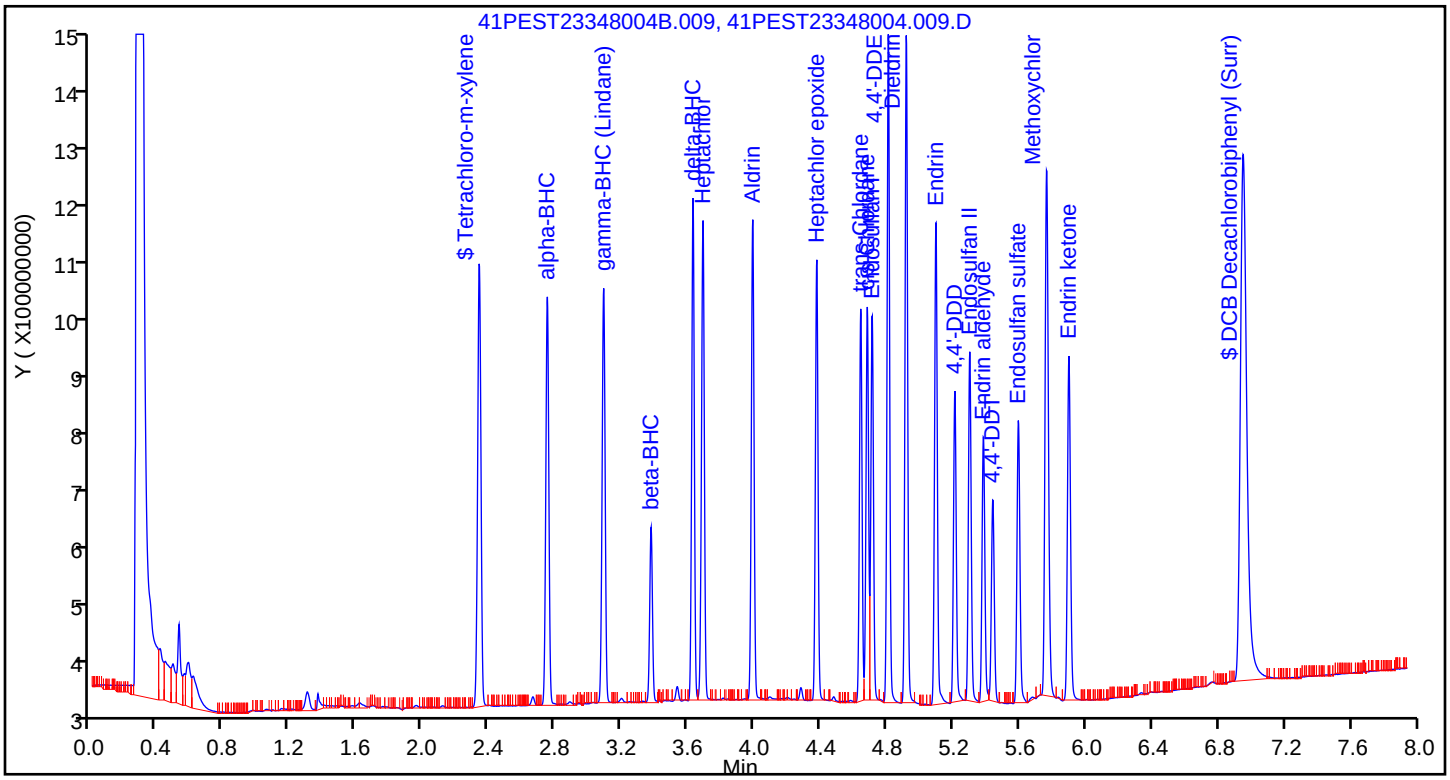
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.010.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 19-Dec-2023 06:01:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:32:57 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.780	1.780	0.000	3307309070H	40.2	40.4	
2	2.342	2.342	0.000	1468809522H	40.2	37.0	
						RPD = 8.70	
2 alpha-BHC							
1	2.367	2.367	0.000	1313850992H	10.0	10.3	
2	2.752	2.752	0.000	1394014167H	10.0	9.58	
						RPD = 7.18	
4 gamma-BHC (Lindane)							
1	2.733	2.733	0.000	1229096138H	10.1	9.96	
2	3.092	3.092	0.000	1476660051H	10.1	9.99	
						RPD = 0.30	
5 beta-BHC							
1	2.983	2.983	0.000	507422734H	10.1	9.57	
2	3.378	3.378	0.000	554783565H	10.1	9.55	
						RPD = 0.21	
7 delta-BHC							
1	3.272	3.272	0.000	1437206698H	10.0	10.2	
2	3.632	3.632	0.000	1793943434H	10.0	9.87	
						RPD = 3.54	
8 Heptachlor							
1	3.093	3.093	0.000	1053457327H	10.0	9.58	
2	3.692	3.692	0.000	1615134546H	10.0	9.46	
						RPD = 1.26	
9 Aldrin							
1	3.403	3.403	0.000	1214092860H	10.0	9.73	
2	3.992	3.992	0.000	1633781355H	10.0	9.48	
						RPD = 2.61	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.913	3.913	0.000	1211030668H	10.1	9.86	
2	4.378	4.378	0.000	1474180708H	10.1	9.51	
						RPD = 3.62	
13 trans-Chlordane							
1	4.117	4.117	0.000	1289139058H	10.0	10.0	
2	4.643	4.643	0.000	1332654988H	10.0	9.52	
						RPD = 5.31	
14 cis-Chlordane							
1	4.200	4.200	0.000	1254722615H	10.1	9.85	
2	4.683	4.683	0.000	1303774010H	10.1	9.45	
						RPD = 4.15	
15 Endosulfan I							
1	4.245	4.245	0.000	1182556006H	10.1	10.0	
2	4.713	4.713	0.000	1306530180H	10.1	9.66	
						RPD = 3.42	
16 4,4'-DDE							
1	4.377	4.377	0.000	2915123354H	20.1	20.6	
2	4.812	4.812	0.000	2281341245H	20.1	19.2	
						RPD = 6.82	
18 Dieldrin							
1	4.483	4.483	0.000	2843118055H	20.0	20.5	
2	4.918	4.918	0.000	2257123536H	20.0	19.1	
						RPD = 7.06	
19 Endrin							
1	4.737	4.737	0.000	2634722740H	20.0	20.9	
2	5.098	5.098	0.000	1638477140H	20.0	18.6	
						RPD = 11.55	
22 4,4'-DDD							
1	4.838	4.838	0.000	2496801224H	20.0	20.8	
2	5.212	5.212	0.000	1014428781H	20.0	18.4	
						RPD = 12.40	
23 Endosulfan II							
1	4.947	4.947	0.000	2491696812H	20.0	20.1	
2	5.302	5.302	0.000	1129906415H	20.0	18.2	
						RPD = 9.75	
25 Endrin aldehyde							
1	5.120	5.120	0.000	1988066312H	20.0	19.6	
2	5.385	5.385	0.000	848164956H	20.0	18.2	
						RPD = 7.02	
26 4,4'-DDT							
1	5.048	5.048	0.000	2169790082H	20.0	20.6	
2	5.442	5.442	0.000	667369624H	20.0	19.2	
						RPD = 6.80	
27 Endosulfan sulfate							
1	5.270	5.270	0.000	2434166769H	20.0	20.6	
2	5.595	5.595	0.000	916247525H	20.0	18.6	
						RPD = 10.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.547	5.547	0.000	5566526324H	100.8	103.3	
2	5.767	5.767	0.000	1793027549H	100.8	97.6	
						RPD = 5.64	
29 Endrin ketone							
1	5.707	5.707	0.000	2778349917H	20.1	20.4	
2	5.900	5.900	0.000	1178757871H	20.1	19.9	
						RPD = 2.57	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.455	6.455	0.000	4960171106H	40.3	40.9	
2	6.953	6.953	0.000	1778057341H	40.3	38.8	
						RPD = 5.26	

Reagents:

GCS_MIXA4_00015 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:32:58 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.010.D

Injection Date: 19-Dec-2023 06:01:00 Instrument ID: 9147

Lims ID: icrt

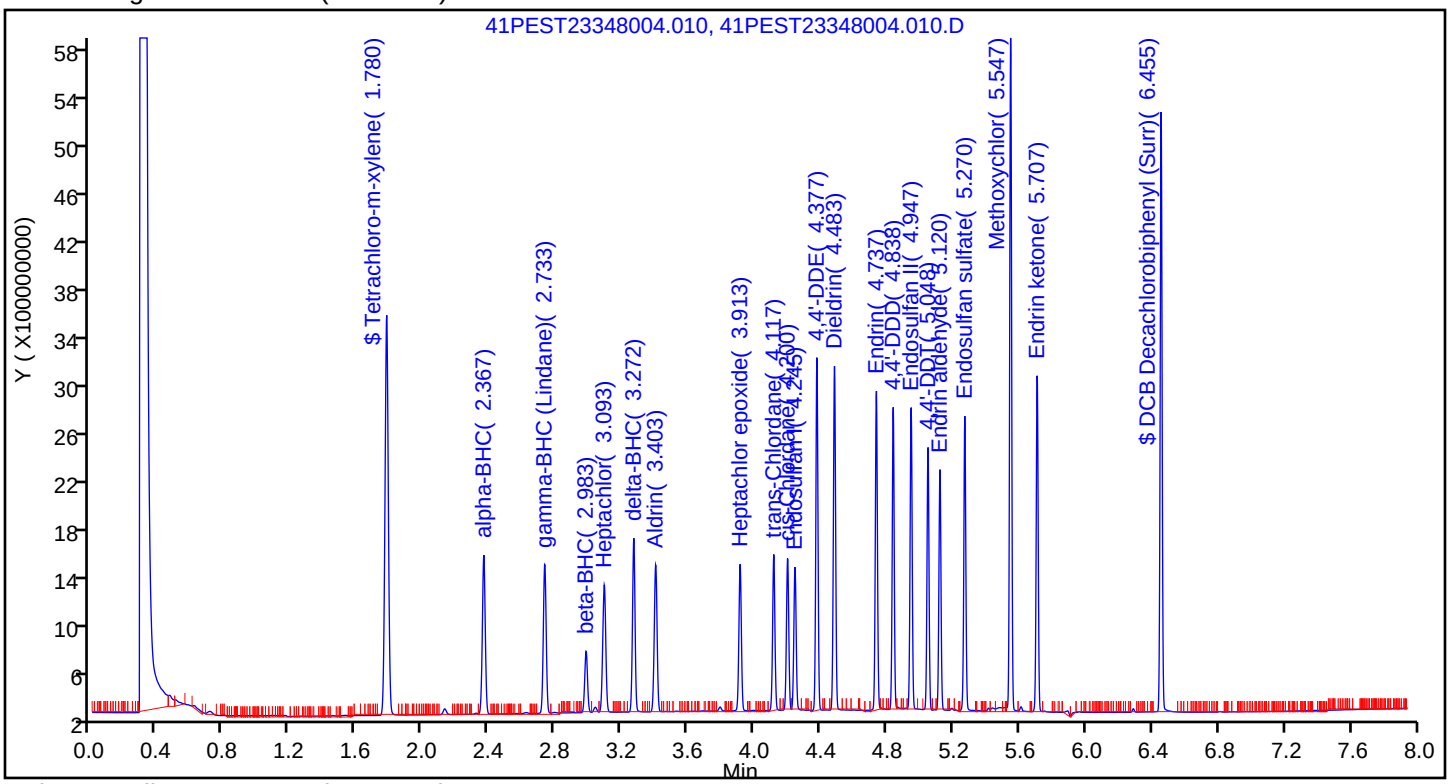
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

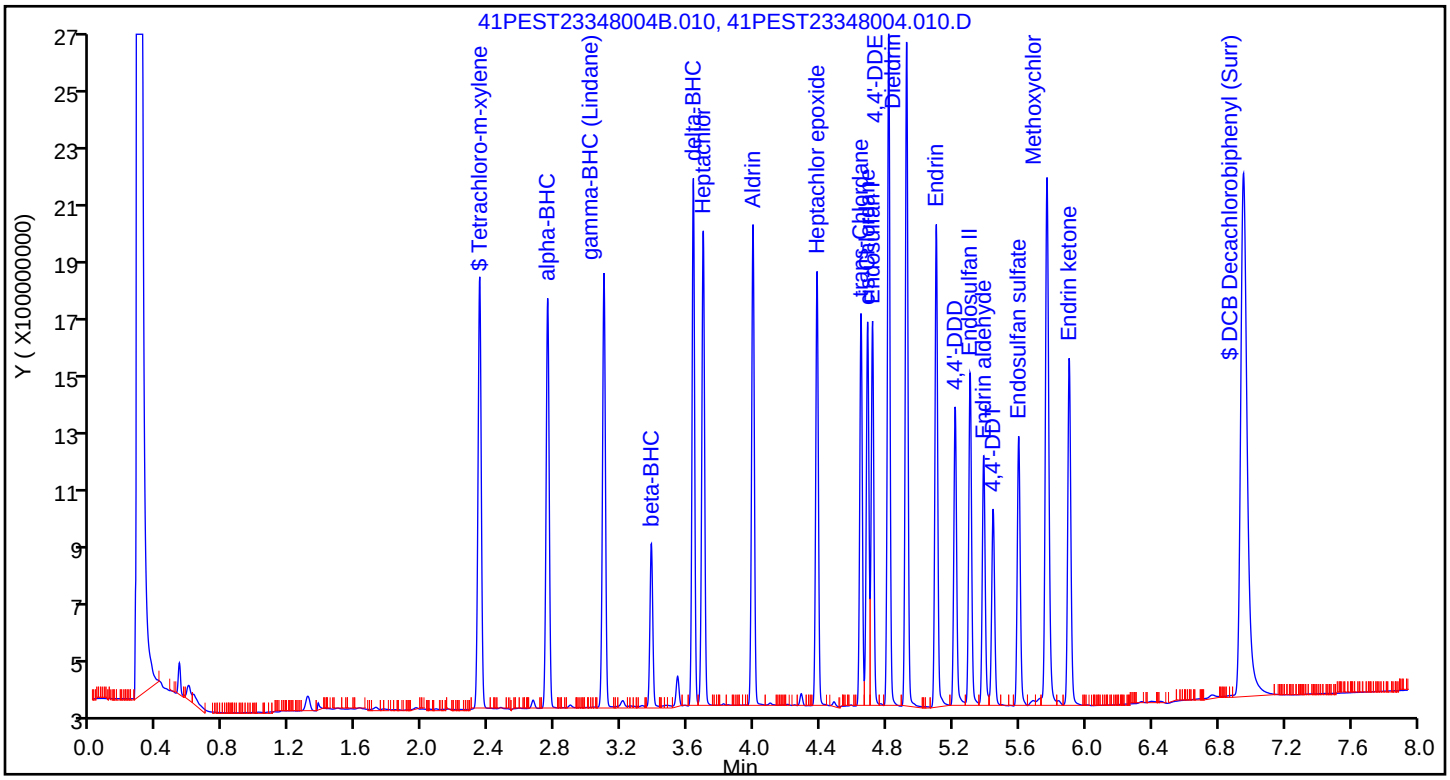
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.011.D
Lims ID: ic 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Dec-2023 06:16:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:33:02 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.780	1.780	0.000	5009951013H	61.2	61.2	
2	2.338	2.342	-0.004	2208845031H	61.2	55.7	
						RPD = 9.42	
2 alpha-BHC							
1	2.367	2.367	0.000	1984393687H	15.2	15.6	
2	2.750	2.752	-0.002	2225916692H	15.2	15.3	
						RPD = 1.62	
4 gamma-BHC (Lindane)							
1	2.733	2.733	0.000	1907996241H	15.4	15.5	
2	3.088	3.092	-0.004	2217865775H	15.4	15.0	
						RPD = 3.00	
5 beta-BHC							
1	2.983	2.983	0.000	750125925H	15.4	14.1	
2	3.375	3.378	-0.003	817005220H	15.4	14.1	
						RPD = 0.59	
7 delta-BHC							
1	3.272	3.272	0.000	2119958225H	15.2	15.1	
2	3.628	3.632	-0.004	2815876127H	15.2	15.5	
						RPD = 2.67	
8 Heptachlor							
1	3.093	3.093	0.000	1665673264H	15.2	15.2	
2	3.688	3.692	-0.004	2477761885H	15.2	14.5	
						RPD = 4.28	
9 Aldrin							
1	3.403	3.403	0.000	1878190111H	15.2	15.0	
2	3.988	3.992	-0.004	2560454801H	15.2	14.8	
						RPD = 1.31	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.913	3.913	0.000	1801281894H	15.4	14.7	
2	4.375	4.378	-0.003	2272669211H	15.4	14.7	
						RPD = 0.04	
13 trans-Chlordane							
1	4.117	4.117	0.000	1933286532H	15.2	15.1	
2	4.642	4.643	-0.001	2012659002H	15.2	14.4	
						RPD = 4.60	
14 cis-Chlordane							
1	4.200	4.200	0.000	1912803403H	15.4	15.0	
2	4.682	4.683	-0.001	2005675957H	15.4	14.5	
						RPD = 3.24	
15 Endosulfan I							
1	4.245	4.245	0.000	1793577866H	15.4	15.2	
2	4.710	4.713	-0.003	1922856123H	15.4	14.2	
						RPD = 6.43	
16 4,4'-DDE							
1	4.377	4.377	0.000	4409380088H	30.6	31.1	
2	4.808	4.812	-0.004	3543640273H	30.6	29.9	
						RPD = 4.16	
18 Dieldrin							
1	4.483	4.483	0.000	4418479166H	30.4	31.8	
2	4.917	4.918	-0.001	3442418826H	30.4	29.1	
						RPD = 8.94	
19 Endrin							
1	4.737	4.737	0.000	3974968699H	30.4	31.5	
2	5.095	5.098	-0.003	2462452463H	30.4	27.9	
						RPD = 11.93	
22 4,4'-DDD							
1	4.838	4.838	0.000	3779996808H	30.4	31.5	
2	5.208	5.212	-0.004	1486681308H	30.4	26.9	
						RPD = 15.63	
23 Endosulfan II							
1	4.947	4.947	0.000	3893915015H	30.4	31.4	
2	5.298	5.302	-0.004	1629045374H	30.4	26.3	
						RPD = 17.77	
25 Endrin aldehyde							
1	5.120	5.120	0.000	3131926898H	30.4	30.8	
2	5.382	5.385	-0.003	1228997529H	30.4	26.4	
						RPD = 15.35	
26 4,4'-DDT							
1	5.048	5.048	0.000	3340366910H	30.4	31.7	
2	5.438	5.442	-0.004	972556755H	30.4	28.0	
						RPD = 12.27	
27 Endosulfan sulfate							
1	5.270	5.270	0.000	3578210185H	30.4	30.3	
2	5.593	5.595	-0.002	1344283630H	30.4	27.3	
						RPD = 10.40	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.547	5.547	0.000	8398018942H	153.1	155.8	
2	5.763	5.767	-0.004	2654518306H	153.1	144.5	
						RPD = 7.52	
29 Endrin ketone							
1	5.707	5.707	0.000	4190084199H	30.6	30.8	
2	5.898	5.900	-0.002	1750779963H	30.6	29.5	
						RPD = 4.10	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.457	6.455	0.002	7347312157H	61.3	60.6	
2	6.950	6.953	-0.003	2667714347H	61.3	58.3	
						RPD = 3.98	
S 32 Total DDTs							
1						31.7	
2						28.0	
						RPD = 12.27	
S 33 Endosulfan, Total							
1						46.6	
2						40.5	
						RPD = 13.94	

Reagents:

GCS_MIXA5_00014 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:33:02 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.011.D

Injection Date: 19-Dec-2023 06:16:00 Instrument ID: 9147

Lims ID: ic 5

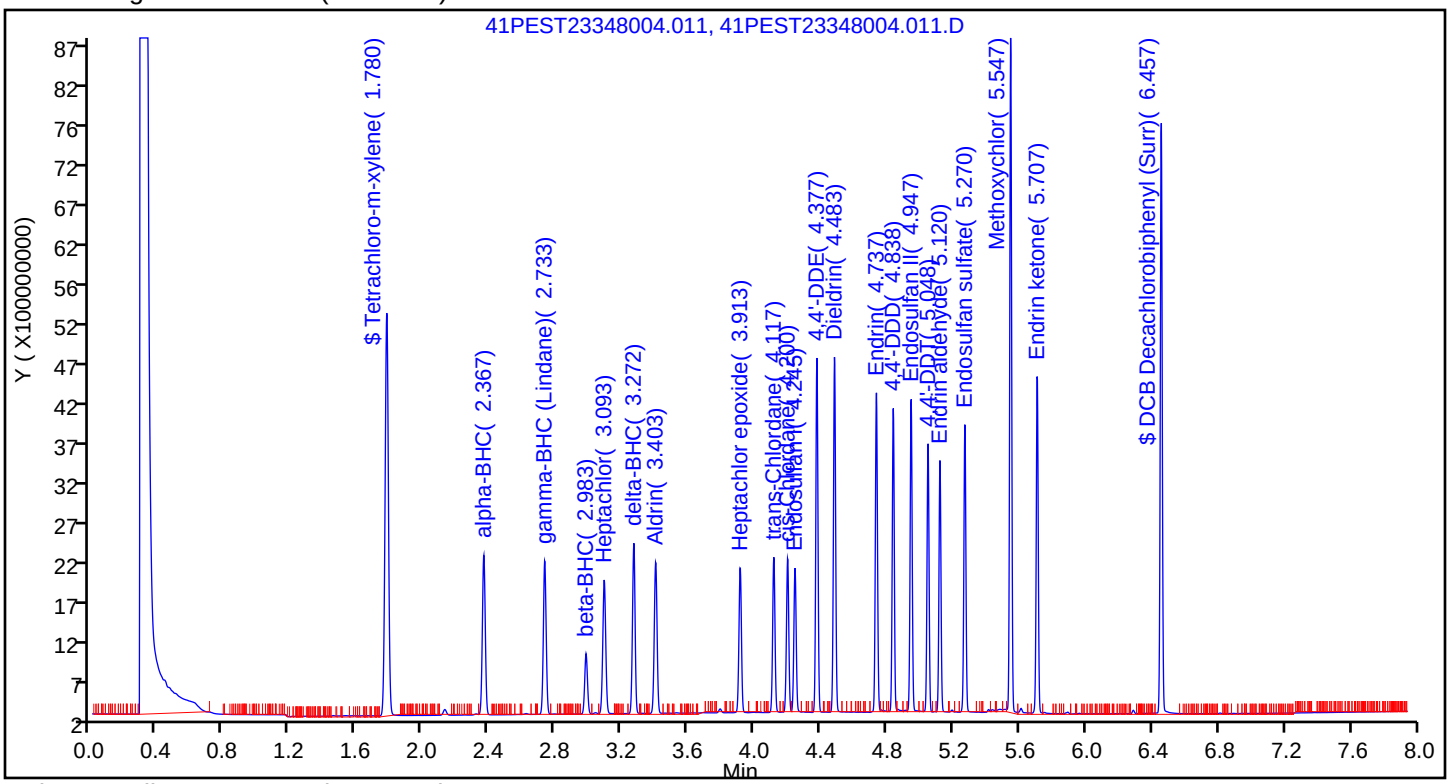
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 11

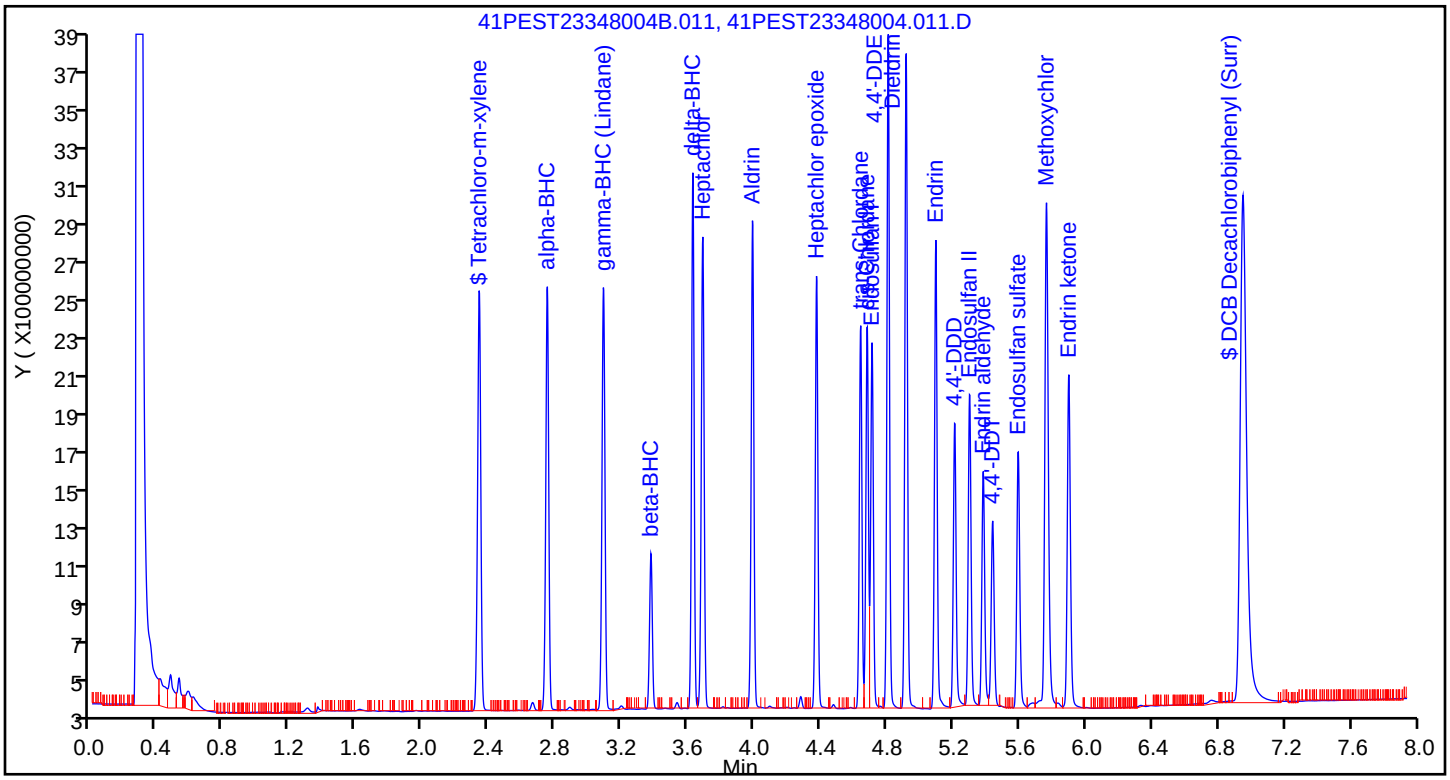
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D
Lims ID: ic 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Dec-2023 06:31:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:33:06 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.780	1.780	0.000	6600860347H	80.5	80.7	
2	2.338	2.342	-0.004	2821397100H	80.5	71.2	
						RPD = 12.52	
2 alpha-BHC							
1	2.367	2.367	0.000	2595858132H	20.0	20.3	
2	2.748	2.752	-0.004	3007143687H	20.0	20.7	
						RPD = 1.60	
4 gamma-BHC (Lindane)							
1	2.735	2.733	0.002	2548641938H	20.3	20.7	
2	3.088	3.092	-0.004	3041465823H	20.3	20.6	
						RPD = 0.37	
5 beta-BHC							
1	2.985	2.983	0.002	986688241H	20.3	18.6	
2	3.375	3.378	-0.003	1047060183H	20.3	18.0	
						RPD = 3.20	
7 delta-BHC							
1	3.273	3.272	0.001	2835938796H	20.0	20.2	
2	3.628	3.632	-0.004	3842317745H	20.0	21.1	
						RPD = 4.65	
8 Heptachlor							
1	3.095	3.093	0.002	2151240316H	20.0	19.6	
2	3.688	3.692	-0.004	3376648431H	20.0	19.8	
						RPD = 1.09	
9 Aldrin							
1	3.405	3.403	0.002	2467030963H	20.0	19.8	
2	3.988	3.992	-0.004	3444046360H	20.0	20.0	
						RPD = 1.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.915	3.913	0.002	2444368517H	20.3	19.9	
2	4.375	4.378	-0.003	2988449613H	20.3	19.3	
						RPD = 3.18	
13 trans-Chlordane							
1	4.118	4.117	0.001	2535112098H	20.0	19.7	
2	4.640	4.643	-0.003	2686477987H	20.0	19.2	
						RPD = 2.83	
14 cis-Chlordane							
1	4.202	4.200	0.002	2528528833H	20.3	19.8	
2	4.680	4.683	-0.003	2609567662H	20.3	18.9	
						RPD = 4.83	
15 Endosulfan I							
1	4.247	4.245	0.002	2309072242H	20.3	19.5	
2	4.710	4.713	-0.003	2563011129H	20.3	19.0	
						RPD = 2.96	
16 4,4'-DDE							
1	4.378	4.377	0.001	5783685639H	40.3	40.8	
2	4.807	4.812	-0.005	4692396943H	40.3	39.5	
						RPD = 3.21	
18 Dieldrin							
1	4.485	4.483	0.002	5728032193H	40.0	41.2	
2	4.915	4.918	-0.003	4502174386H	40.0	38.0	
						RPD = 8.06	
19 Endrin							
1	4.737	4.737	0.000	5098399361H	40.0	40.4	
2	5.093	5.098	-0.005	3111633233H	40.0	35.3	
						RPD = 13.42	
22 4,4'-DDD							
1	4.840	4.838	0.002	5003689020H	40.0	41.7	
2	5.208	5.212	-0.004	1925338116H	40.0	34.9	
						RPD = 17.81	
23 Endosulfan II							
1	4.947	4.947	0.000	4983067304H	40.0	40.2	
2	5.298	5.302	-0.004	2092055609H	40.0	33.8	
						RPD = 17.42	
25 Endrin aldehyde							
1	5.122	5.120	0.002	4064199417H	40.0	40.0	
2	5.380	5.385	-0.005	1530775158H	40.0	32.9	
						RPD = 19.42	
26 4,4'-DDT							
1	5.048	5.048	0.000	4614904787H	40.0	43.8	
2	5.437	5.442	-0.005	1251919669H	40.0	36.1	
						RPD = 19.30	
27 Endosulfan sulfate							
1	5.272	5.270	0.002	4817984702H	40.0	40.8	
2	5.592	5.595	-0.003	1683650003H	40.0	34.2	
						RPD = 17.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.548	5.547	0.001	10375650263H	201.5	192.5	
2	5.762	5.767	-0.005	3442987033H	201.5	187.5	
						RPD = 2.67	
29 Endrin ketone							
1	5.708	5.707	0.001	5457088909H	40.3	40.1	
2	5.897	5.900	-0.003	2297560021H	40.3	38.8	
						RPD = 3.34	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.457	6.455	0.002	9776590249H	80.7	80.7	
2	6.948	6.953	-0.005	3466596844H	80.7	75.7	
						RPD = 6.35	
S 32 Total DDTs							
1						43.8	
2						36.1	
						RPD = 19.30	
S 33 Endosulfan, Total							
1						59.7	
2						52.7	
						RPD = 12.47	

Reagents:

GCS_MIXA6_00010 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:33:07 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Injection Date: 19-Dec-2023 06:31:00 Instrument ID: 9147

Lims ID: ic 6

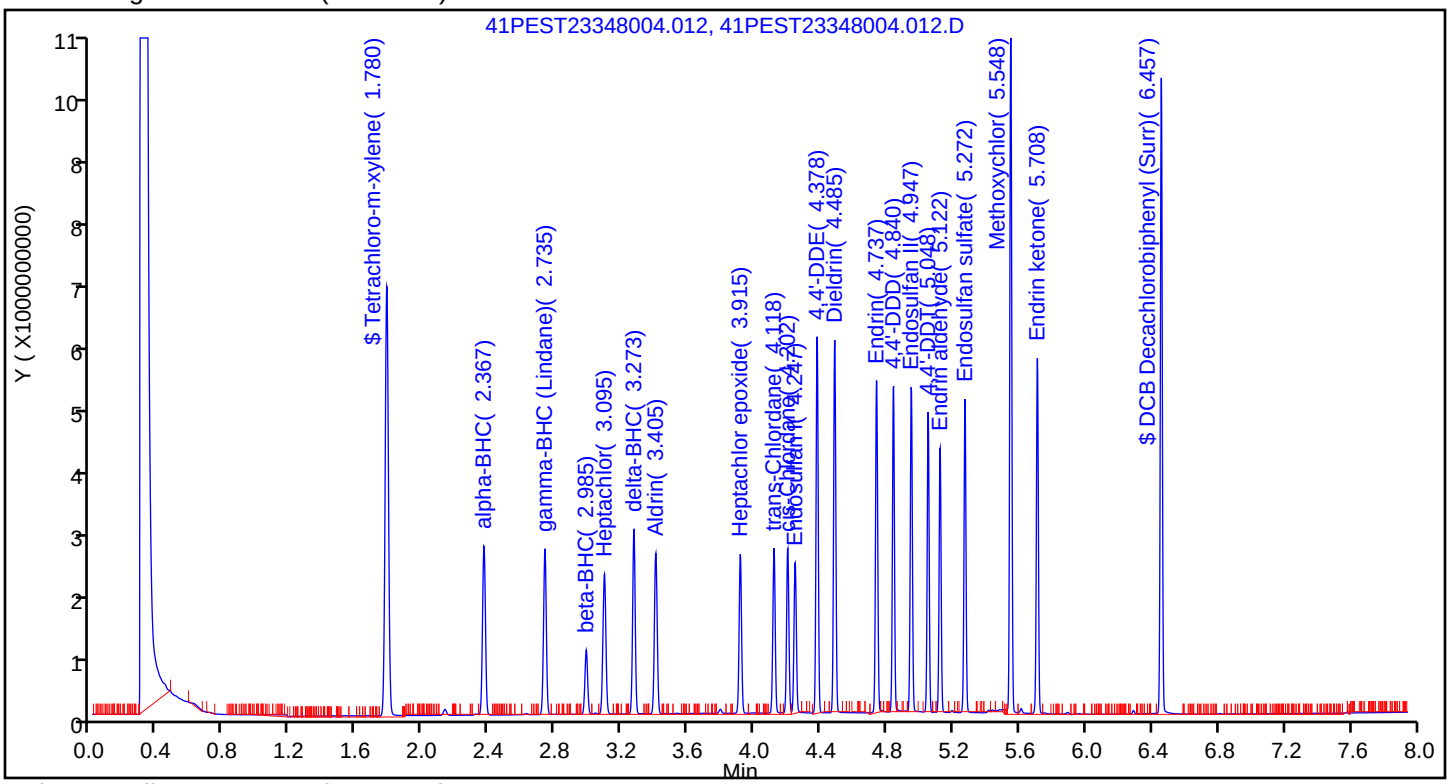
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

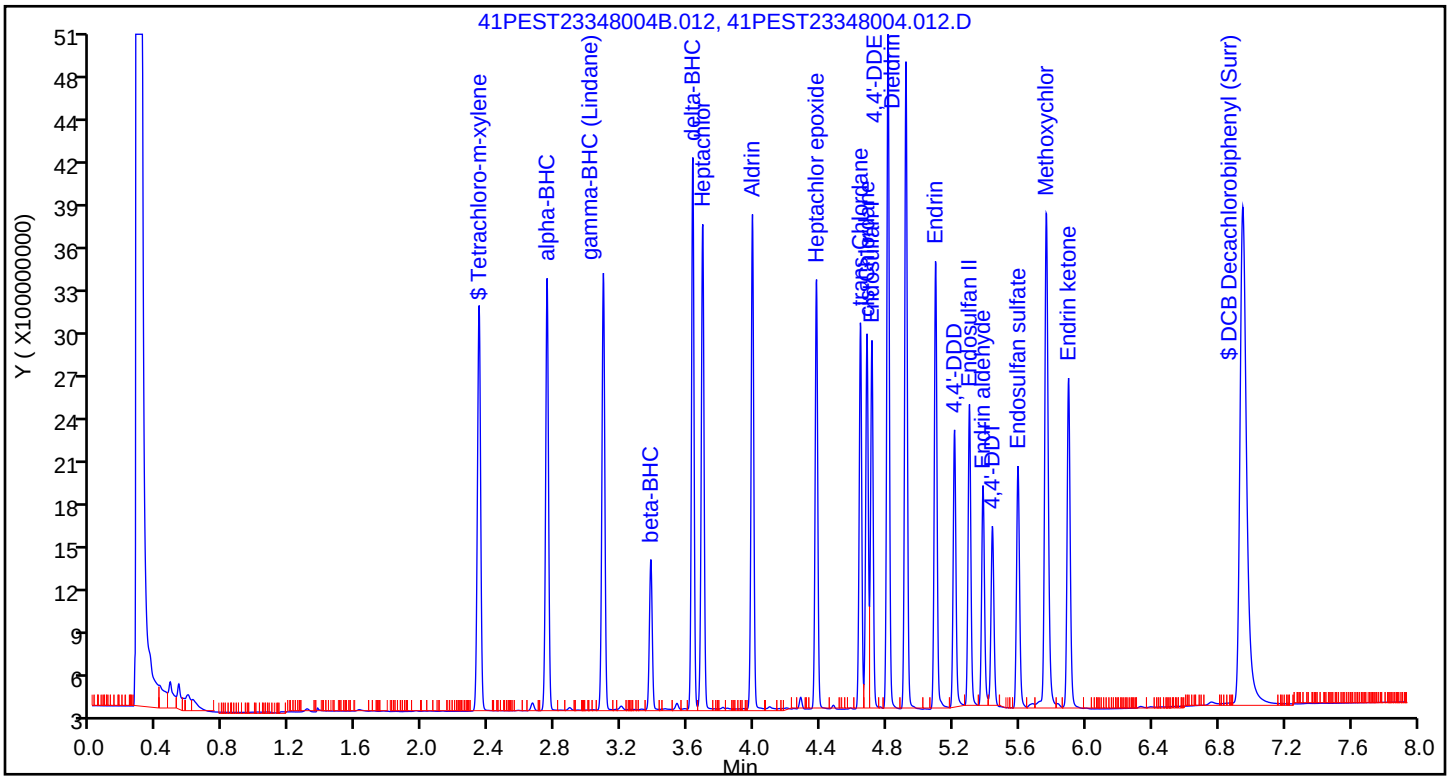
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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

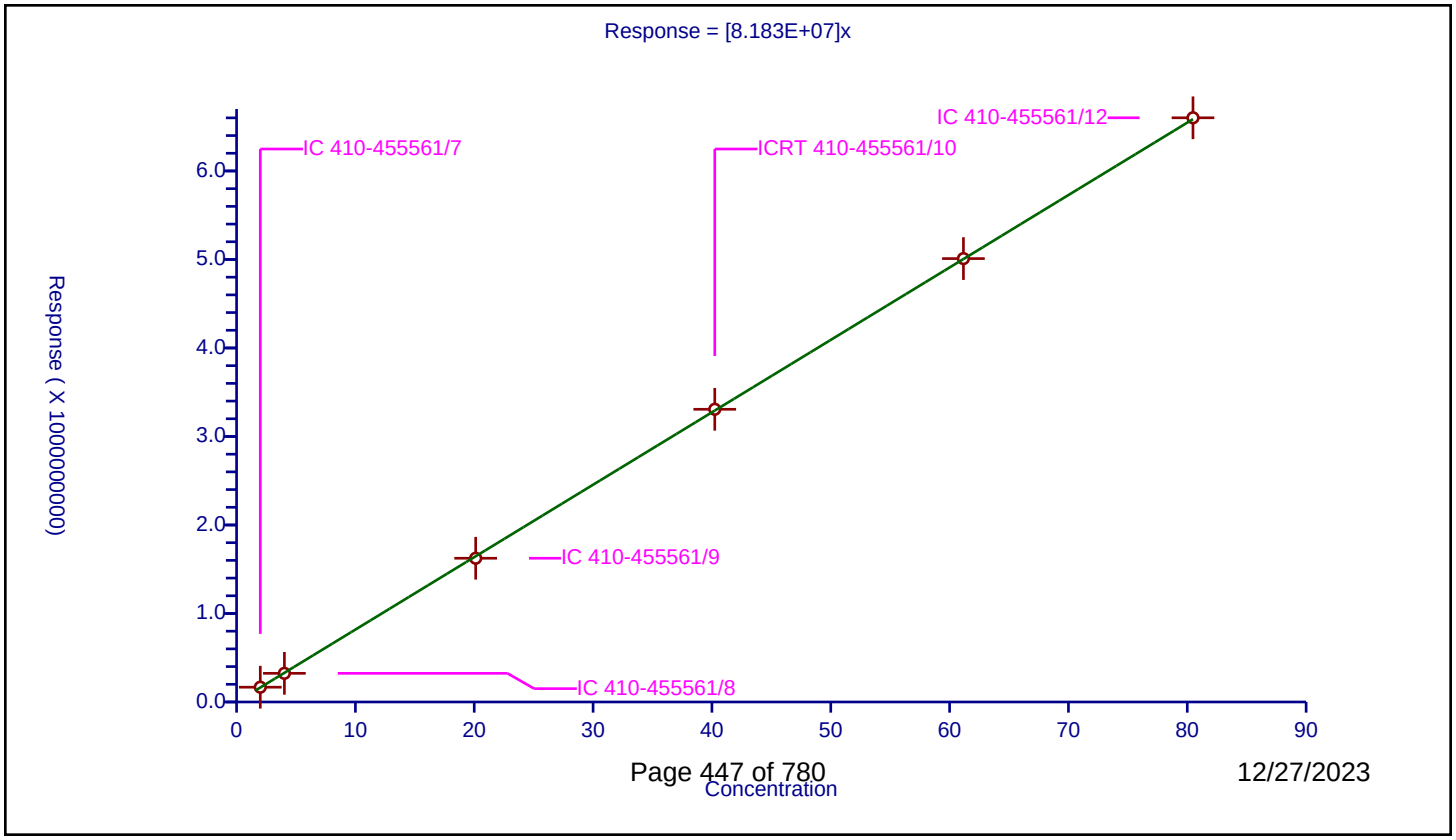
Curve Coefficients

Intercept:	0
Slope:	8.183E+07

Error Coefficients

Standard Error:	14200000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	1.995904	166966347.0			83654497.911723	Y
2	IC 410-455561/8	4.024	323771430.0			80460096.918489	Y
3	IC 410-455561/9	20.12	1624213479.0			80726316.053678	Y
4	ICRT 410-455561/10	40.24	3307309070.0			82189589.214712	Y
5	IC 410-455561/11	61.1648	5009951013.0			81909055.74775	Y
6	IC 410-455561/12	80.48	6600860347.0			82018642.482604	Y



Calibration / alpha-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

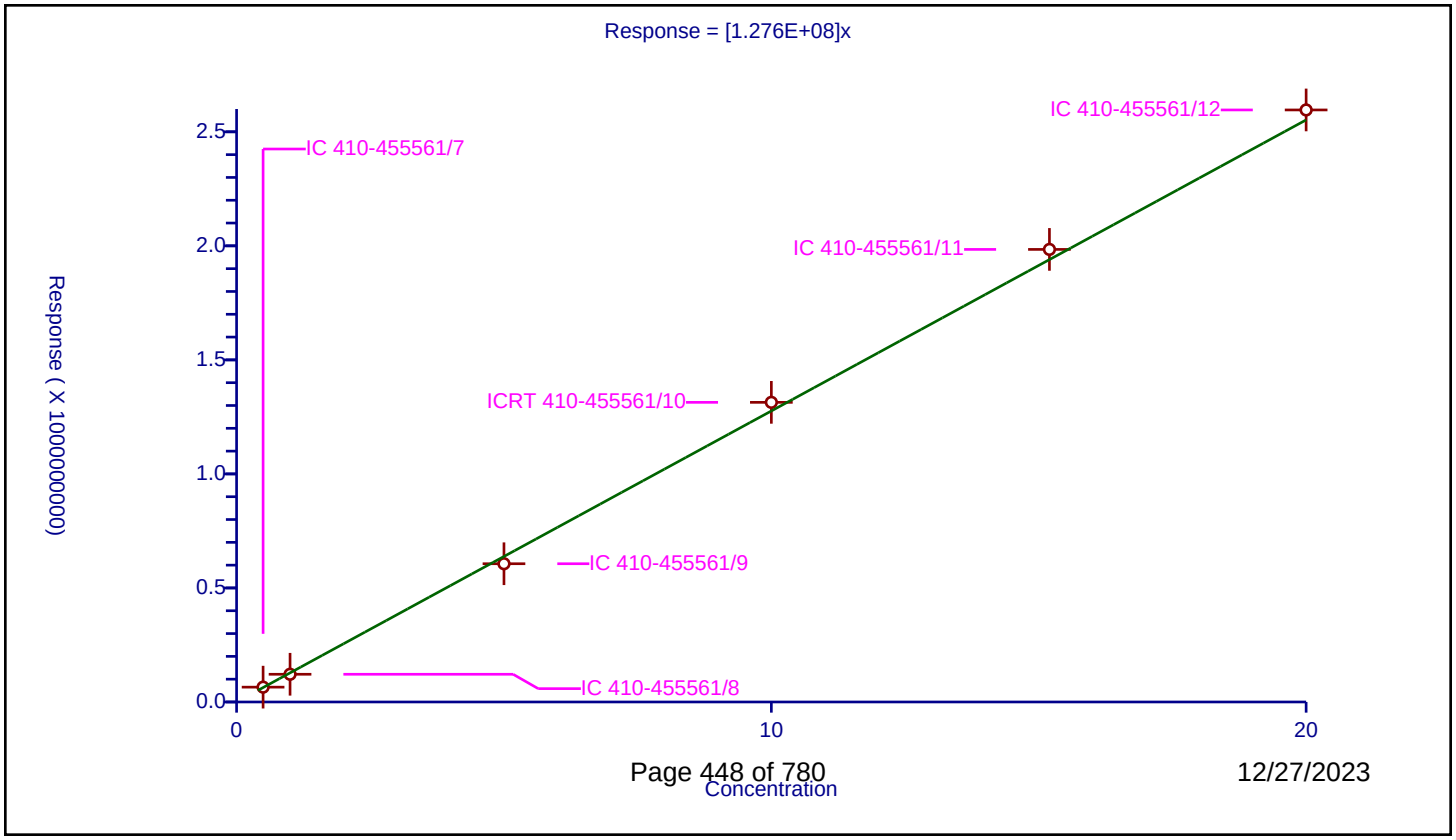
Curve Coefficients

Intercept:	0
Slope:	1.276E+08

Error Coefficients

Standard Error:	35700000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.496	65048009.0			131145179.435484	Y
2	IC 410-455561/8	1.0	121555596.0			121555596.0	Y
3	IC 410-455561/9	5.0	606177384.0			121235476.8	Y
4	ICRT 410-455561/10	10.0	1313850992.0			131385099.2	Y
5	IC 410-455561/11	15.2	1984393687.0			130552216.25	Y
6	IC 410-455561/12	20.0	2595858132.0			129792906.6	Y



Calibration / gamma-BHC (Lindane)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

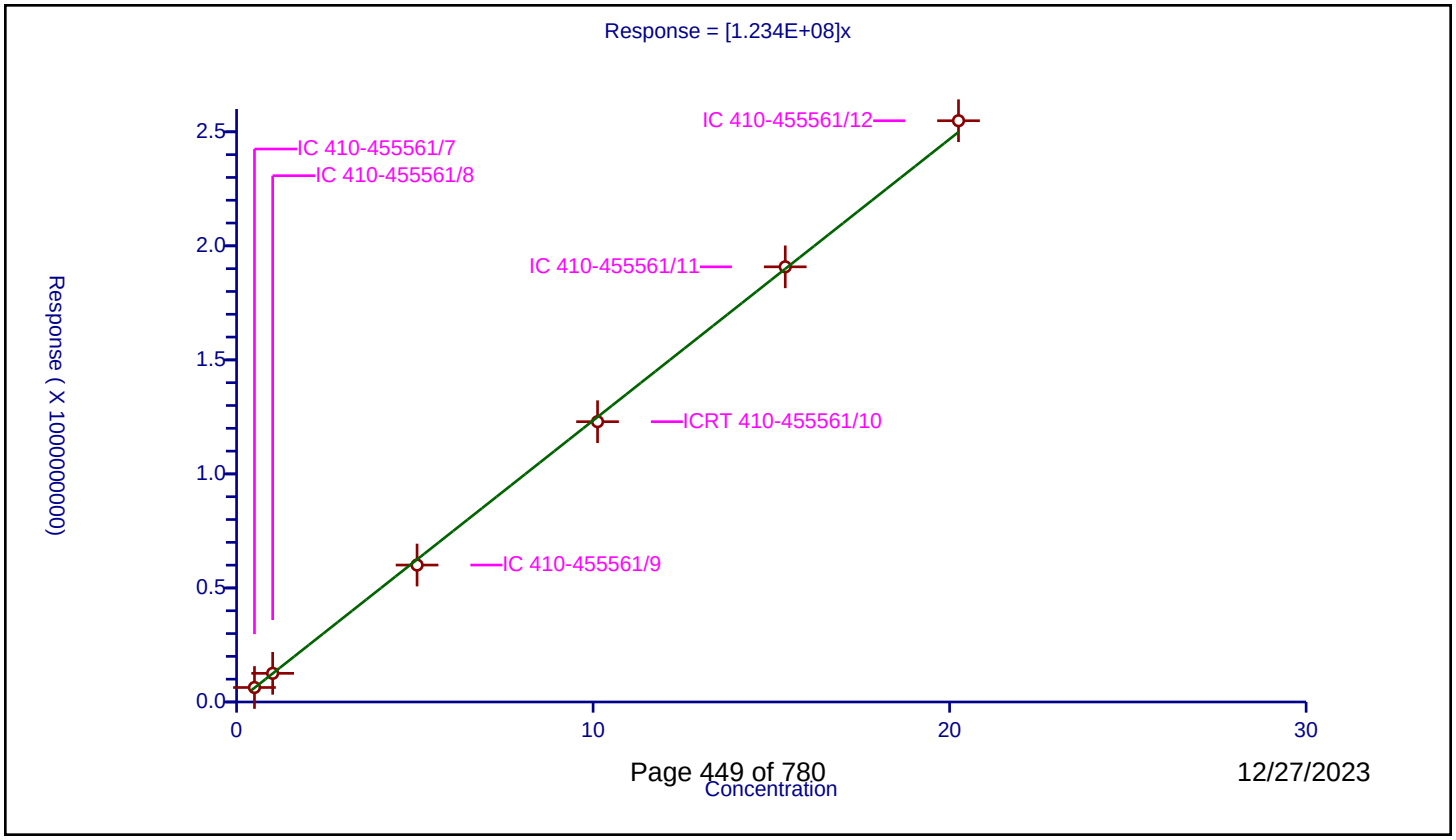
Curve Coefficients

Intercept:	0
Slope:	1.234E+08

Error Coefficients

Standard Error:	26600000
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 410-455561/7	0.5022	63522895.0			126489237.355635	Y
2	IC 410-455561/8	1.0125	125693915.0			124142138.271605	Y
3	IC 410-455561/9	5.0625	600455601.0			118608513.777778	Y
4	ICRT 410-455561/10	10.125	1229096138.0			121392211.160494	Y
5	IC 410-455561/11	15.39	1907996241.0			123976363.937622	Y
6	IC 410-455561/12	20.25	2548641938.0			125858861.135802	Y



Calibration / beta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

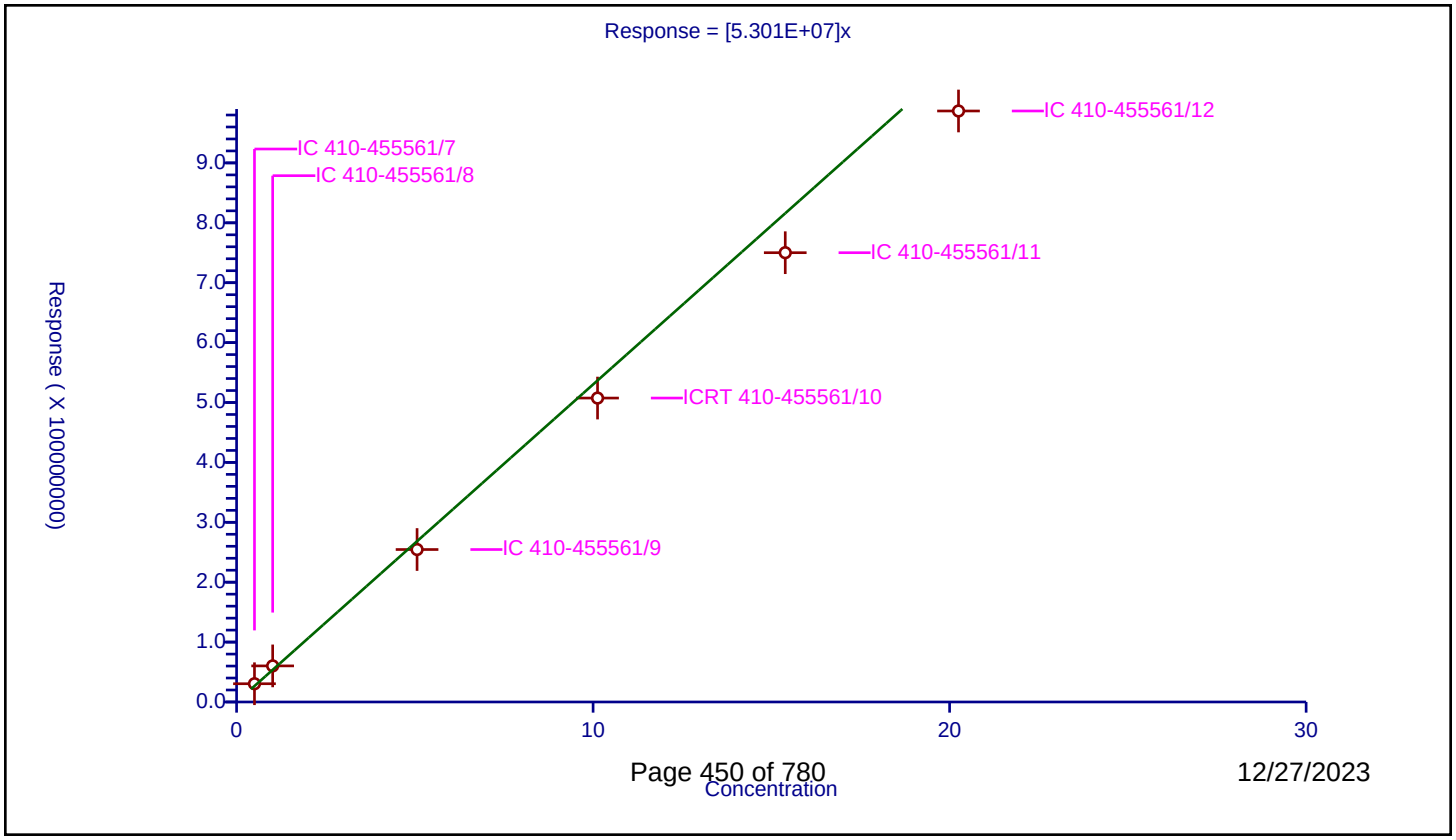
Curve Coefficients

Intercept:	0
Slope:	5.301E+07

Error Coefficients

Standard Error:	50900000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.5022	30482786.0			60698498.606133	Y
2	IC 410-455561/8	1.0125	60258556.0			59514623.209877	Y
3	IC 410-455561/9	5.0625	254554919.0			50282453.135803	Y
4	ICRT 410-455561/10	10.125	507422734.0			50115825.580247	Y
5	IC 410-455561/11	15.39	750125925.0			48741125.730994	Y
6	IC 410-455561/12	20.25	986688241.0			48725345.234568	Y



Calibration / Heptachlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

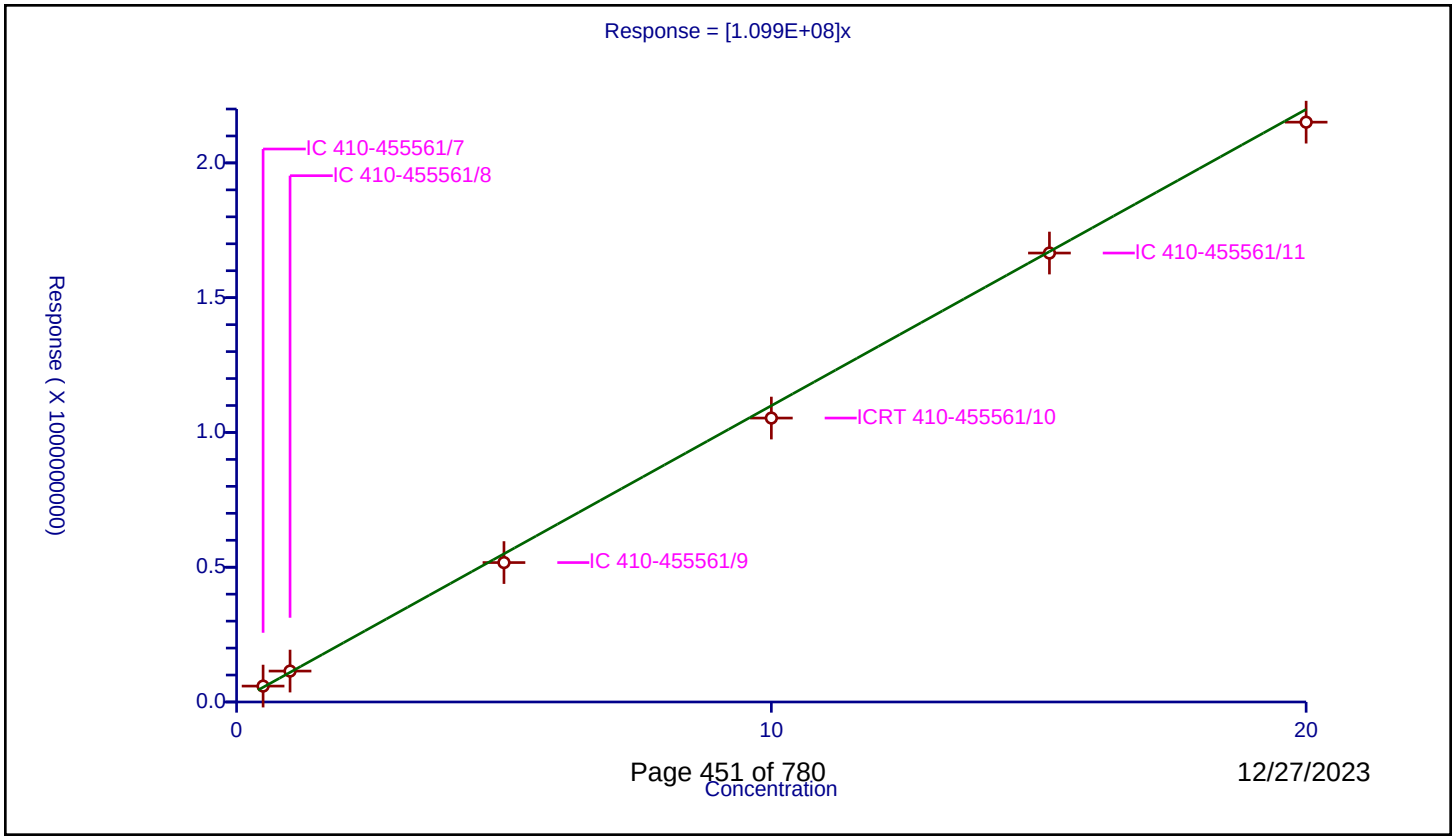
Curve Coefficients

Intercept:	0
Slope:	1.099E+08

Error Coefficients

Standard Error:	33100000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.496	58993818.0			118939149.193548	Y
2	IC 410-455561/8	1.0	114722561.0			114722561.0	Y
3	IC 410-455561/9	5.0	517316434.0			103463286.8	Y
4	ICRT 410-455561/10	10.0	1053457327.0			105345732.7	Y
5	IC 410-455561/11	15.2	1665673264.0			109583767.368421	Y
6	IC 410-455561/12	20.0	2151240316.0			107562015.8	Y



Calibration / delta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

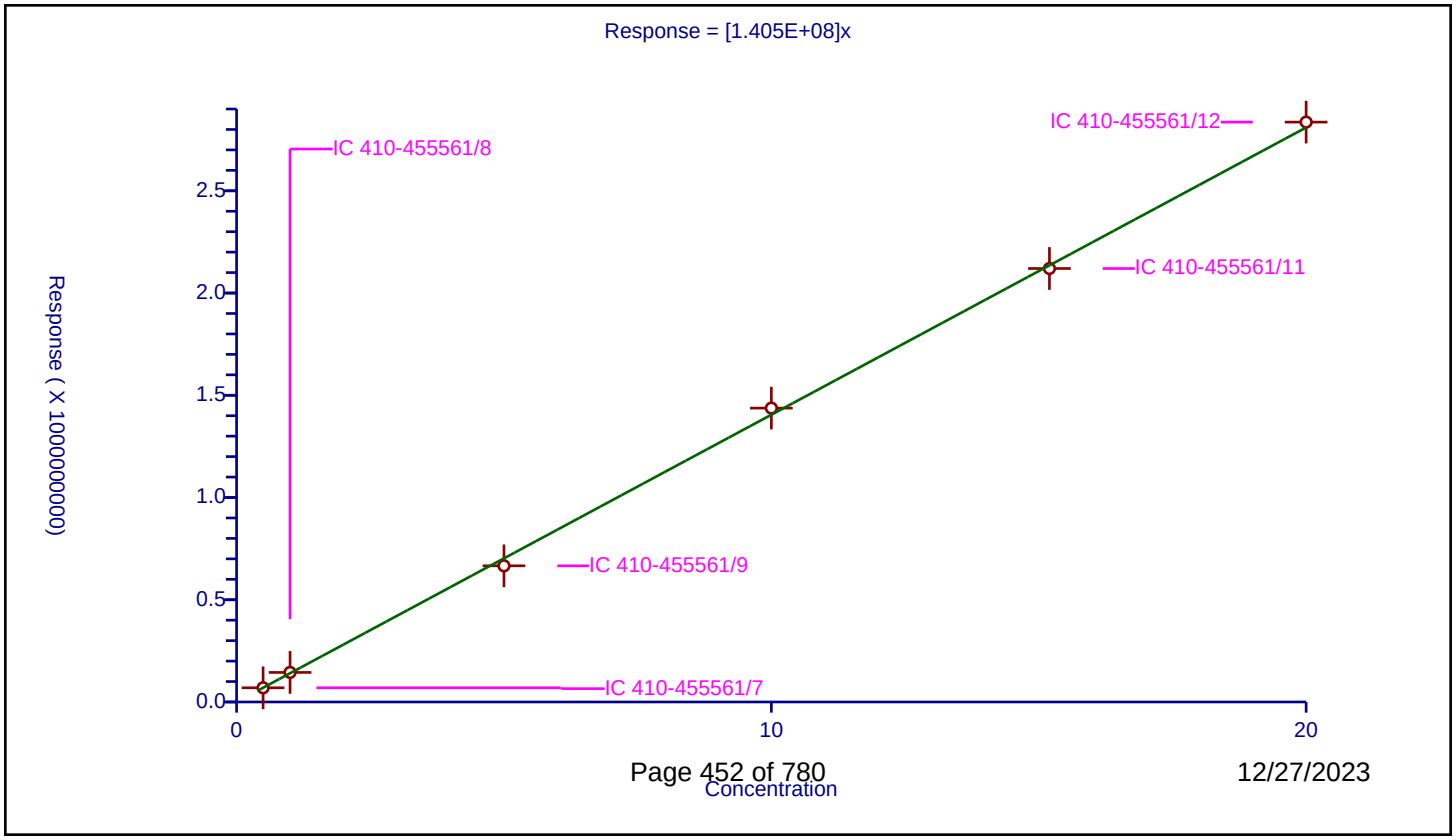
Curve Coefficients

Intercept:	0
Slope:	1.405E+08

Error Coefficients

Standard Error:	25800000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.496	69509949.0			140141026.209677	Y
2	IC 410-455561/8	1.0	144550484.0			144550484.0	Y
3	IC 410-455561/9	5.0	665933015.0			133186603.0	Y
4	ICRT 410-455561/10	10.0	1437206698.0			143720669.8	Y
5	IC 410-455561/11	15.2	2119958225.0			139470935.855263	Y
6	IC 410-455561/12	20.0	2835938796.0			141796939.8	Y



Calibration / Aldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

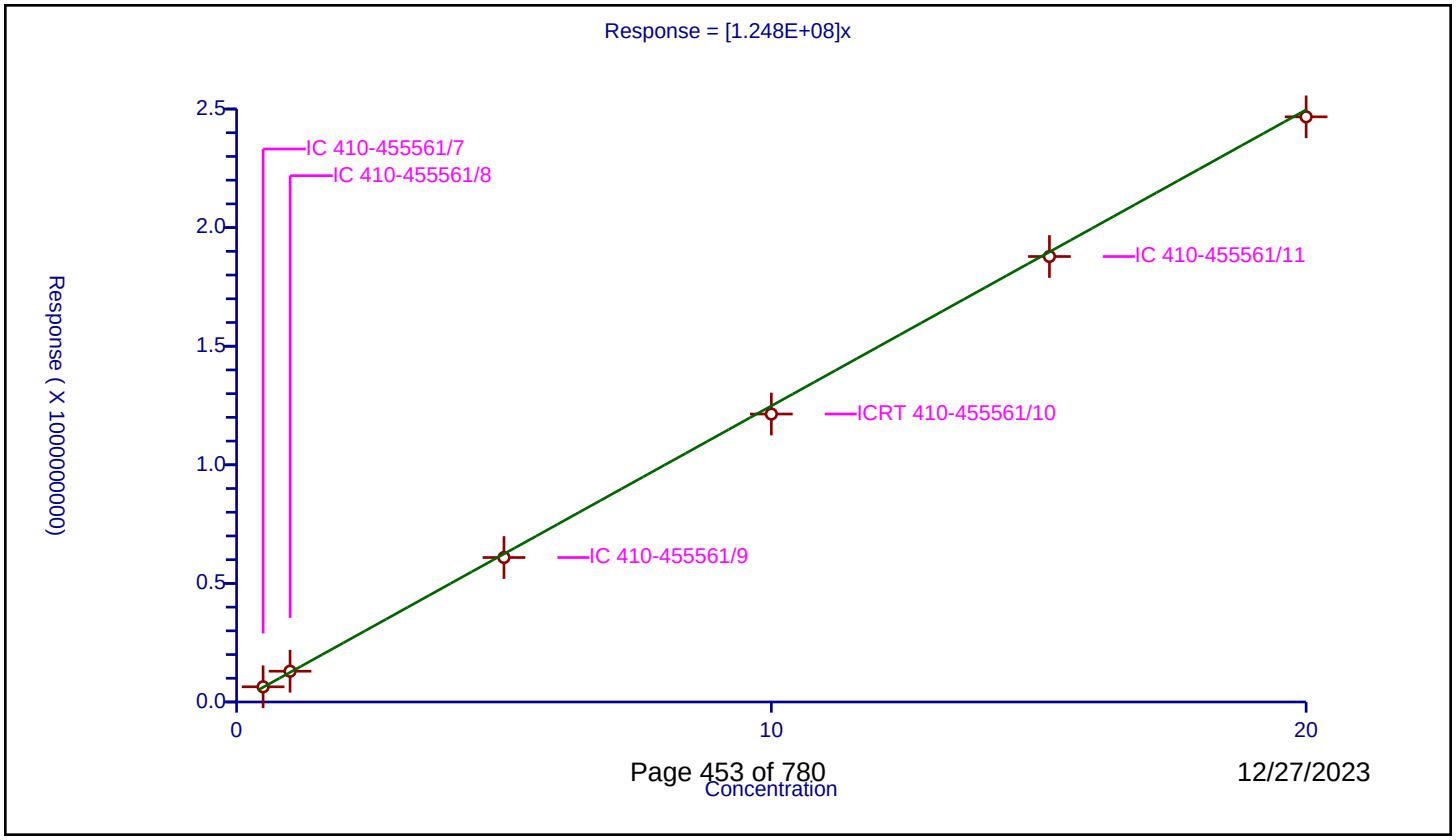
Curve Coefficients

Intercept:	0
Slope:	1.248E+08

Error Coefficients

Standard Error:	23100000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.496	64029176.0			129091080.645161	Y
2	IC 410-455561/8	1.0	129755528.0			129755528.0	Y
3	IC 410-455561/9	5.0	609073703.0			121814740.6	Y
4	ICRT 410-455561/10	10.0	1214092860.0			121409286.0	Y
5	IC 410-455561/11	15.2	1878190111.0			123565138.881579	Y
6	IC 410-455561/12	20.0	2467030963.0			123351548.15	Y



Calibration / Heptachlor epoxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

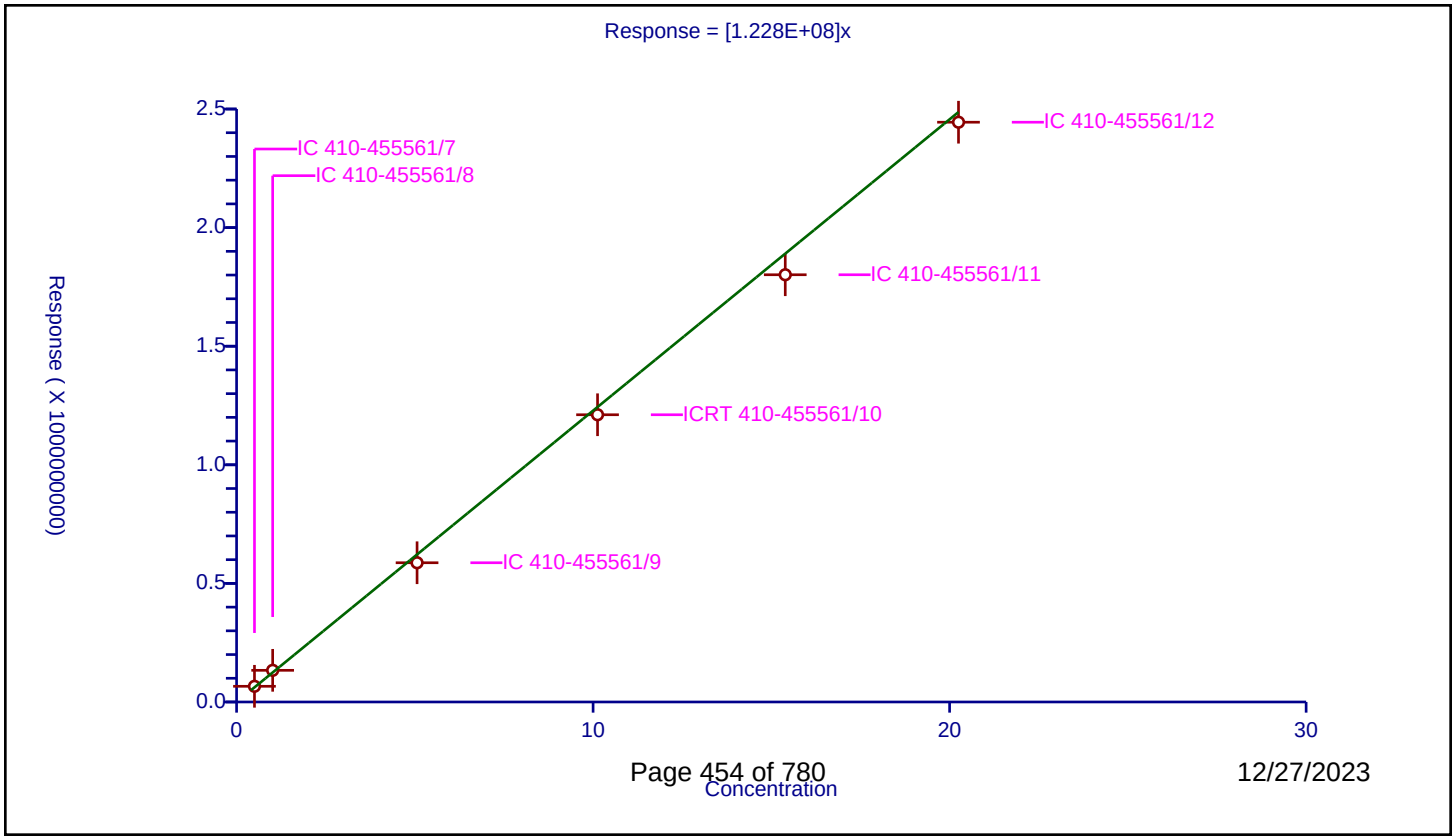
Curve Coefficients

Intercept:	0
Slope:	1.228E+08

Error Coefficients

Standard Error:	49200000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.5022	66156279.0			131732933.094385	Y
2	IC 410-455561/8	1.0125	133528272.0			131879774.814815	Y
3	IC 410-455561/9	5.0625	587022289.0			115955020.049383	Y
4	ICRT 410-455561/10	10.125	1211030668.0			119607967.209877	Y
5	IC 410-455561/11	15.39	1801281894.0			117042358.2846	Y
6	IC 410-455561/12	20.25	2444368517.0			120709556.395062	Y



Calibration / trans-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

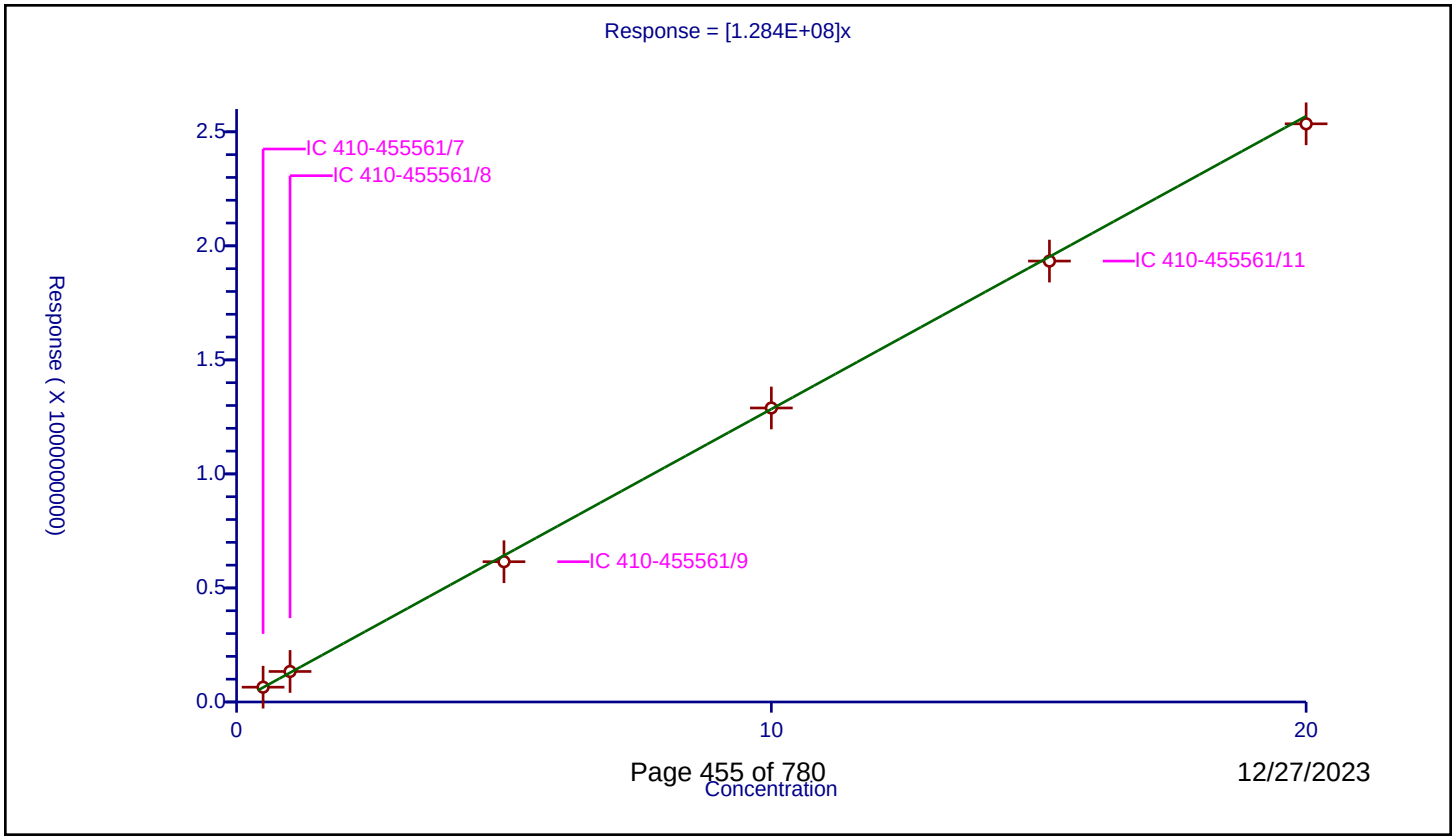
Curve Coefficients

Intercept:	0
Slope:	1.284E+08

Error Coefficients

Standard Error:	21300000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.496	64935713.0			130918776.209677	Y
2	IC 410-455561/8	1.0	133798159.0			133798159.0	Y
3	IC 410-455561/9	5.0	615132151.0			123026430.2	Y
4	ICRT 410-455561/10	10.0	1289139058.0			128913905.8	Y
5	IC 410-455561/11	15.2	1933286532.0			127189903.421053	Y
6	IC 410-455561/12	20.0	2535112098.0			126755604.9	Y



Calibration / cis-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

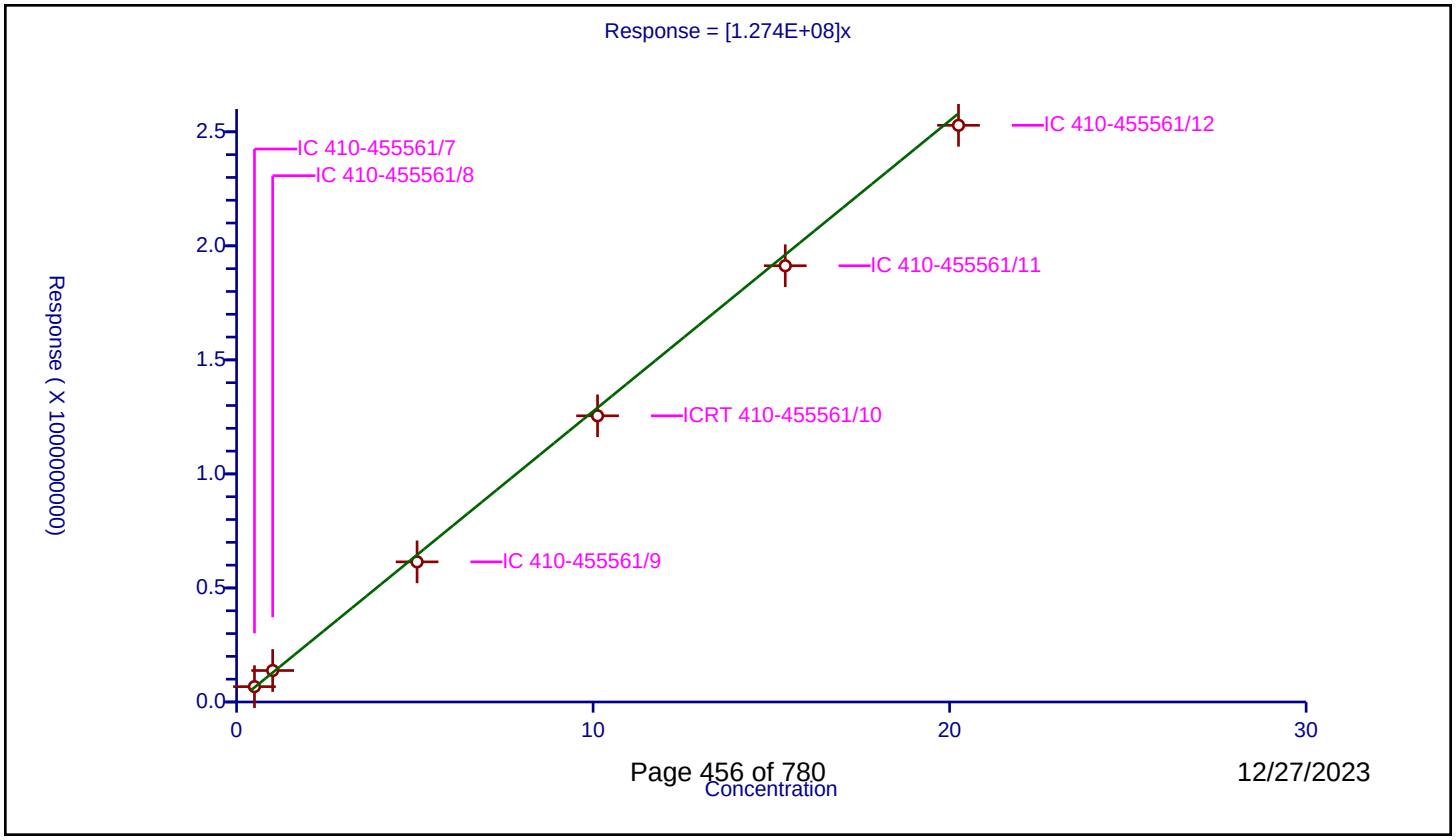
Curve Coefficients

Intercept:	0
Slope:	1.274E+08

Error Coefficients

Standard Error:	38400000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.5022	67236293.0			133883498.606133	Y
2	IC 410-455561/8	1.0125	138005643.0			136301869.62963	Y
3	IC 410-455561/9	5.0625	614368986.0			121356836.740741	Y
4	ICRT 410-455561/10	10.125	1254722615.0			123923221.234568	Y
5	IC 410-455561/11	15.39	1912803403.0			124288720.14295	Y
6	IC 410-455561/12	20.25	2528528833.0			124865621.382716	Y



Calibration / Endosulfan I

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

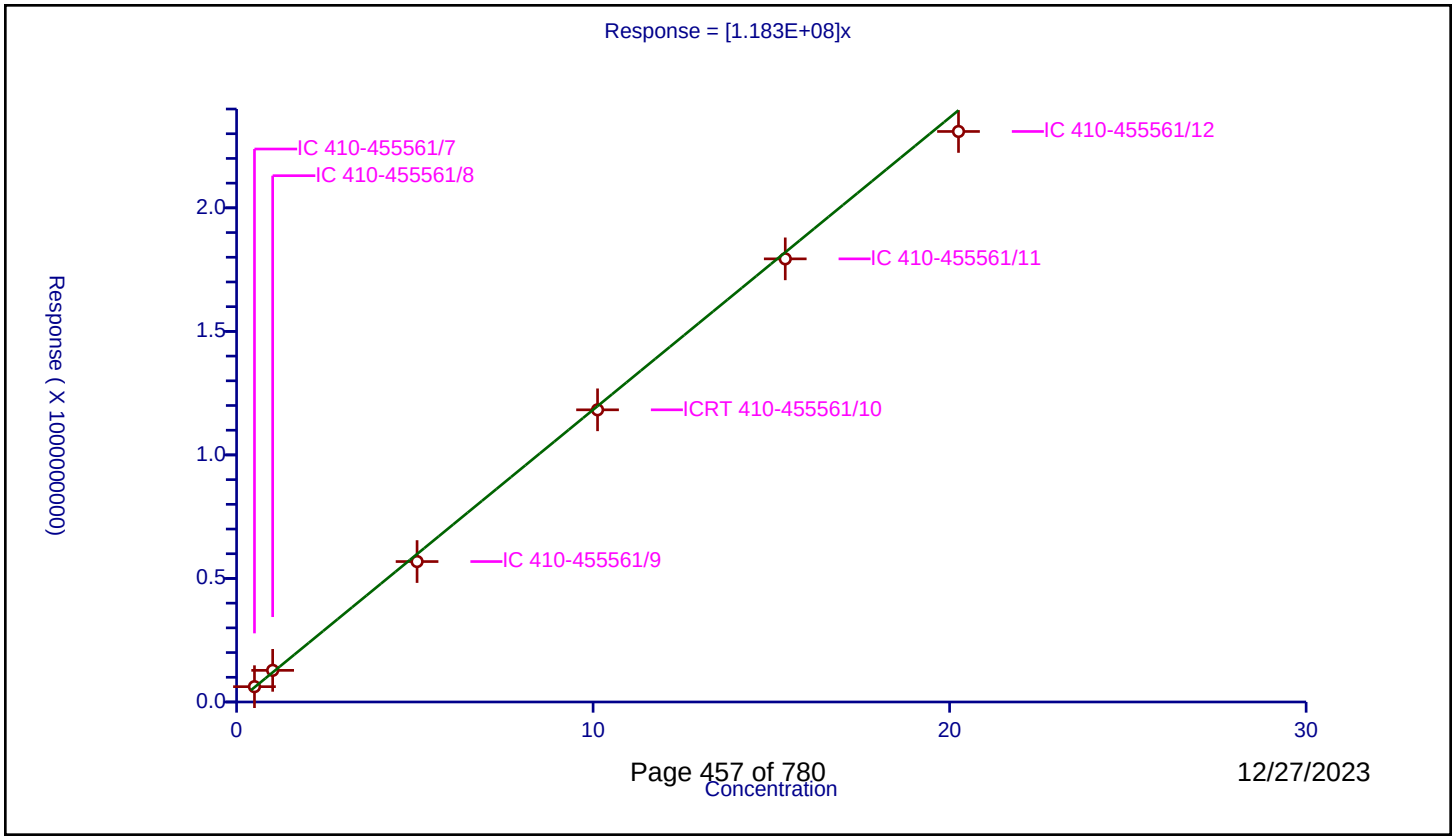
Curve Coefficients

Intercept:	0
Slope:	1.183E+08

Error Coefficients

Standard Error:	43000000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.5022	62019556.0			123495730.784548	Y
2	IC 410-455561/8	1.0125	128010130.0			126429758.024691	Y
3	IC 410-455561/9	5.0625	568375543.0			112271712.197531	Y
4	ICRT 410-455561/10	10.125	1182556006.0			116795654.91358	Y
5	IC 410-455561/11	15.39	1793577866.0			116541771.669916	Y
6	IC 410-455561/12	20.25	2309072242.0			114028258.864198	Y



Calibration / 4,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

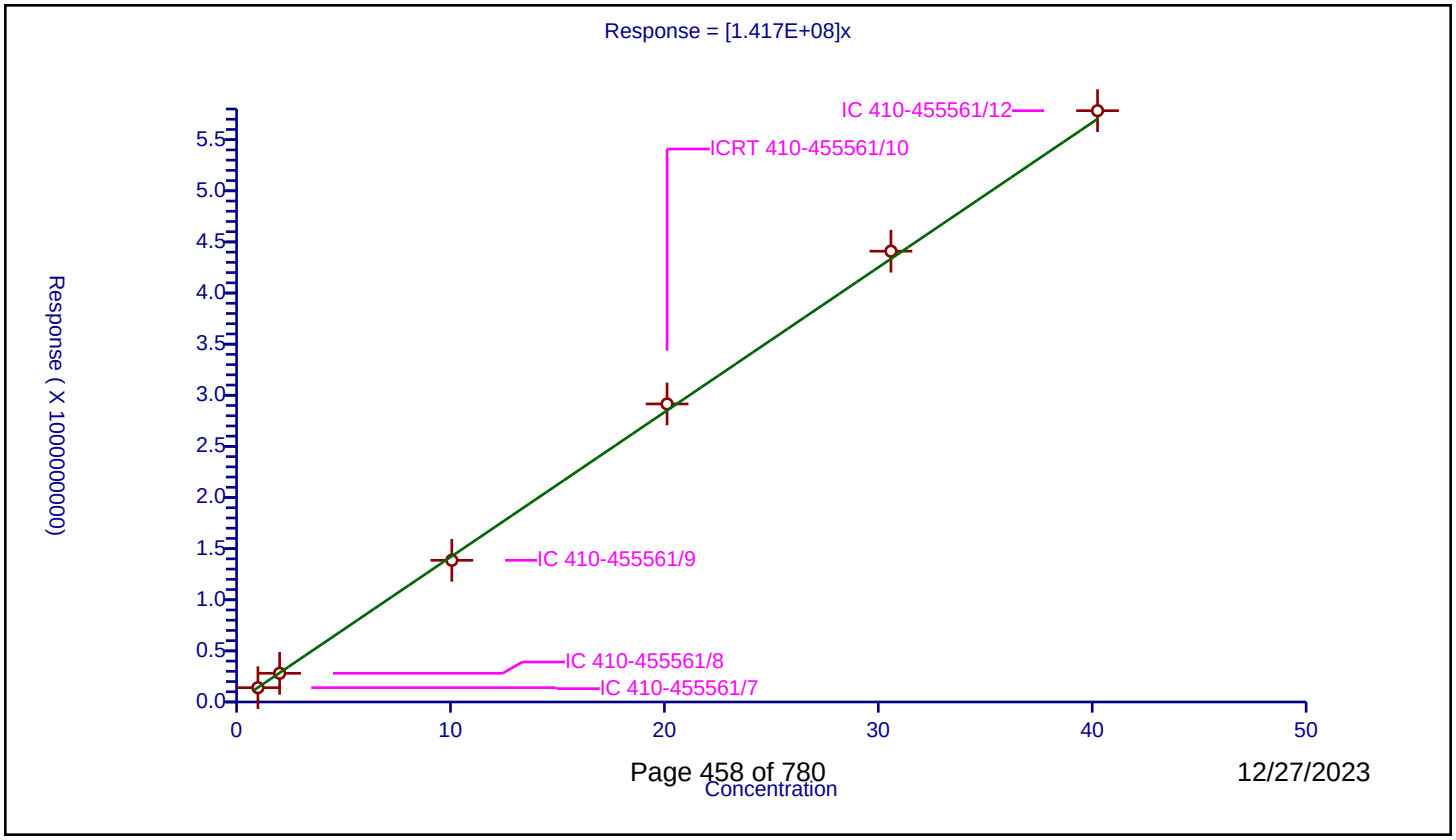
Curve Coefficients

Intercept:	0
Slope:	1.417E+08

Error Coefficients

Standard Error:	59600000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.9982	139988239.0			140240672.209978	Y
2	IC 410-455561/8	2.0125	280769668.0			139512878.509317	Y
3	IC 410-455561/9	10.0625	1385806751.0			137719925.565217	Y
4	ICRT 410-455561/10	20.125	2915123354.0			144850849.888199	Y
5	IC 410-455561/11	30.59	4409380088.0			144144494.5407	Y
6	IC 410-455561/12	40.25	5783685639.0			143694053.142857	Y



Calibration / Dieldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

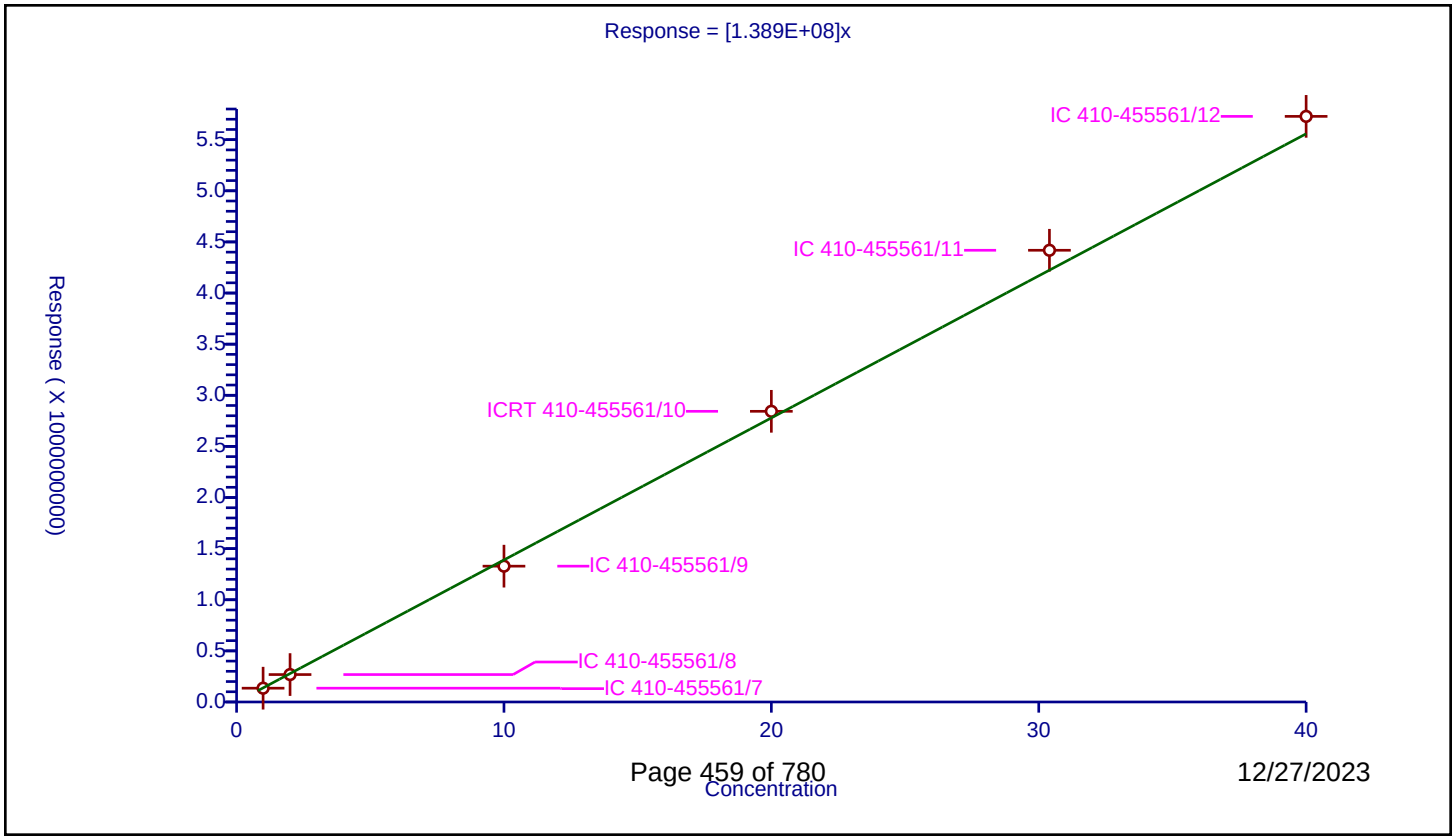
Curve Coefficients

Intercept:	0
Slope:	1.389E+08

Error Coefficients

Standard Error:	122000000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	134940387.0			136028615.927419	Y
2	IC 410-455561/8	2.0	268143686.0			134071843.0	Y
3	IC 410-455561/9	10.0	1328460753.0			132846075.3	Y
4	ICRT 410-455561/10	20.0	2843118055.0			142155902.75	Y
5	IC 410-455561/11	30.4	4418479166.0			145344709.407895	Y
6	IC 410-455561/12	40.0	5728032193.0			143200804.825	Y



Calibration / Endrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

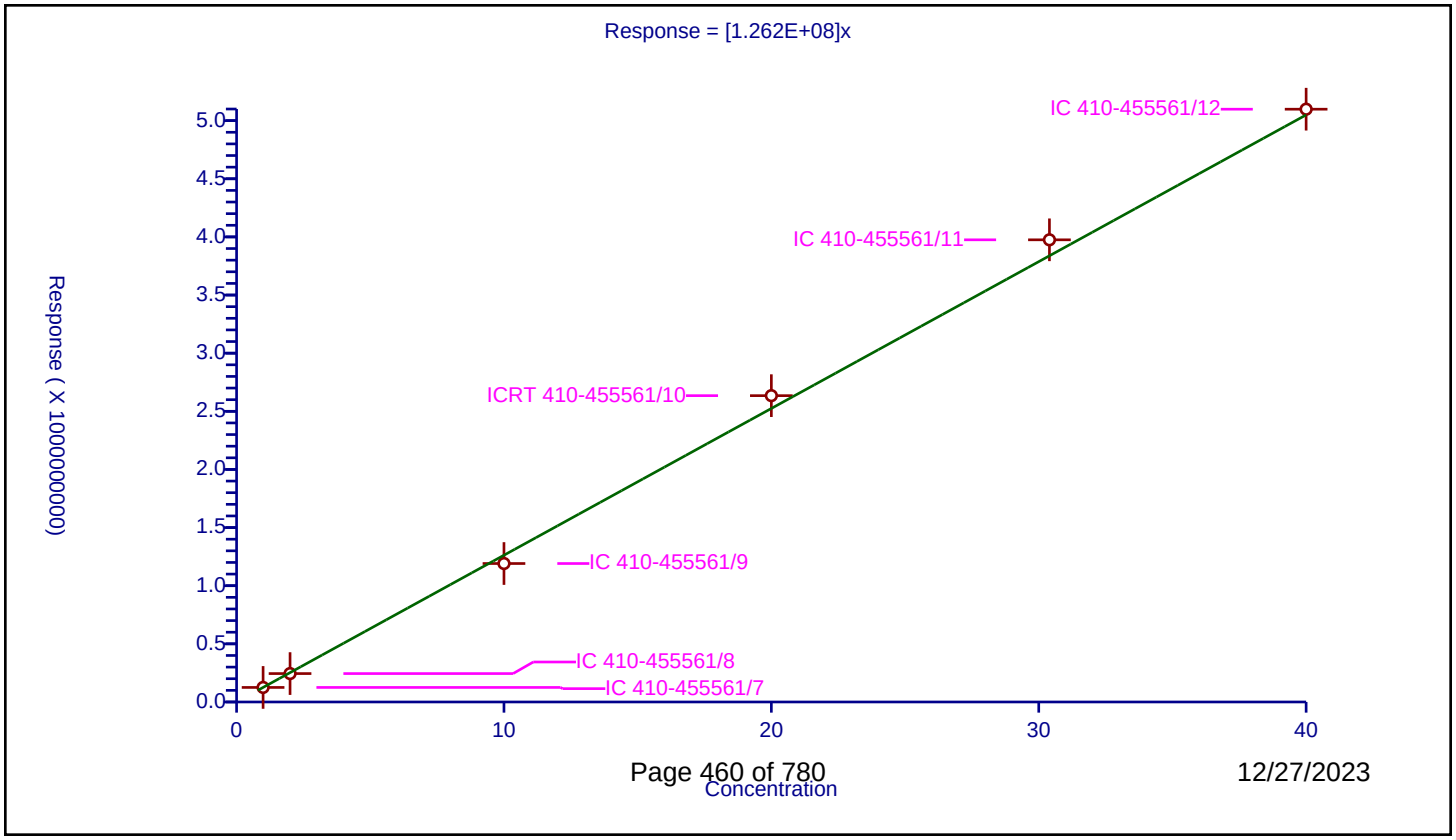
Curve Coefficients

Intercept:	0
Slope:	1.262E+08

Error Coefficients

Standard Error:	87800000
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 410-455561/7	0.992	125124145.0			126133210.685484	Y
2	IC 410-455561/8	2.0	244486080.0			122243040.0	Y
3	IC 410-455561/9	10.0	1190847332.0			119084733.2	Y
4	ICRT 410-455561/10	20.0	2634722740.0			131736137.0	Y
5	IC 410-455561/11	30.4	3974968699.0			130755549.309211	Y
6	IC 410-455561/12	40.0	5098399361.0			127459984.025	Y



Calibration / 4,4'-DDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

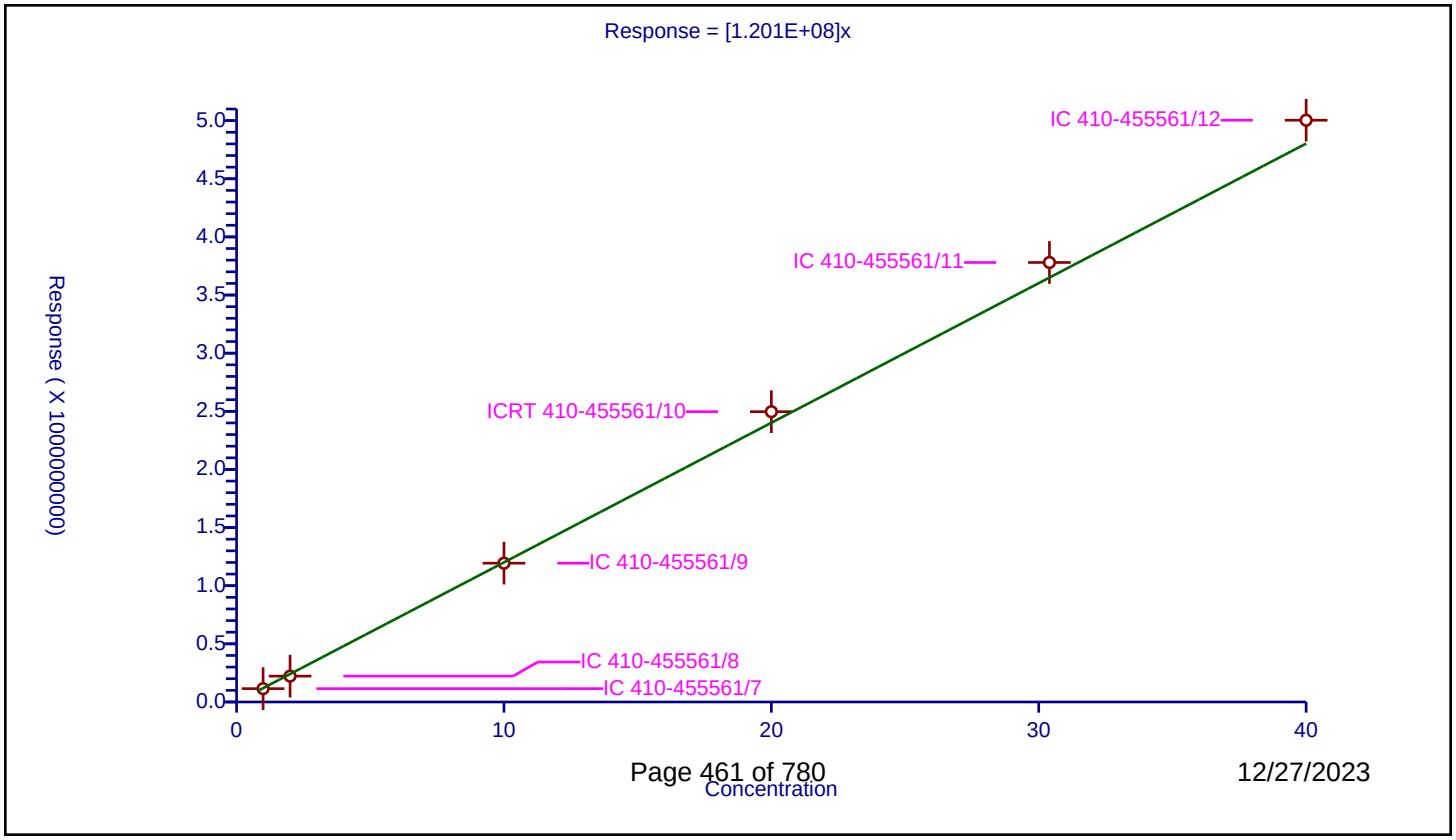
Curve Coefficients

Intercept:	0
Slope:	1.201E+08

Error Coefficients

Standard Error:	116000000
Relative Standard Error:	4.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	114704091.0			115629123.991935	Y
2	IC 410-455561/8	2.0	222277633.0			111138816.5	Y
3	IC 410-455561/9	10.0	1193778870.0			119377887.0	Y
4	ICRT 410-455561/10	20.0	2496801224.0			124840061.2	Y
5	IC 410-455561/11	30.4	3779996808.0			124342000.263158	Y
6	IC 410-455561/12	40.0	5003689020.0			125092225.5	Y



Calibration / Endosulfan II

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

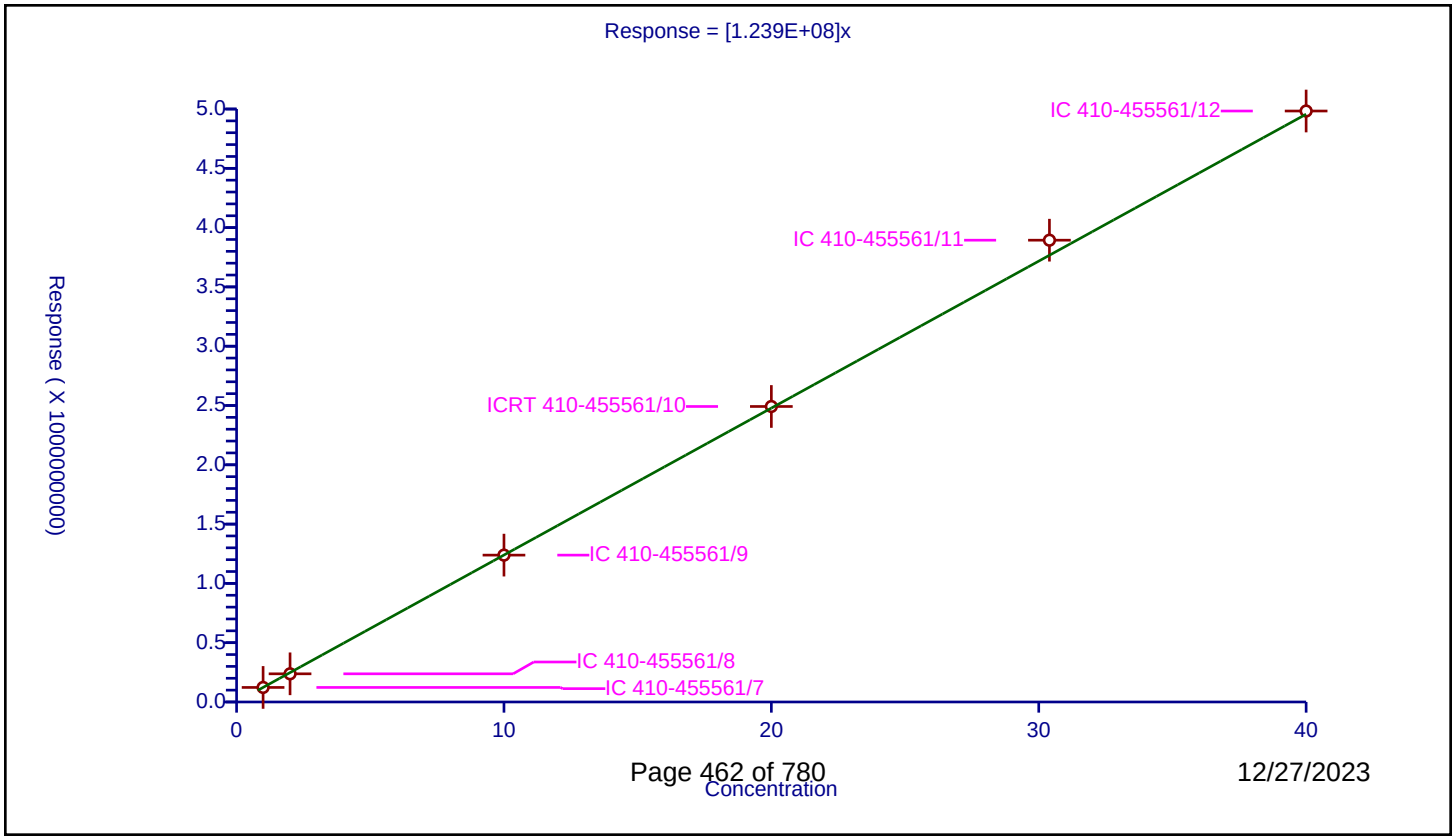
Curve Coefficients

Intercept:	0
Slope:	1.239E+08

Error Coefficients

Standard Error:	58500000
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 410-455561/7	0.992	122628072.0			123617008.064516	Y
2	IC 410-455561/8	2.0	237504663.0			118752331.5	Y
3	IC 410-455561/9	10.0	1238474245.0			123847424.5	Y
4	ICRT 410-455561/10	20.0	2491696812.0			124584840.6	Y
5	IC 410-455561/11	30.4	3893915015.0			128089309.703947	Y
6	IC 410-455561/12	40.0	4983067304.0			124576682.6	Y



Calibration / 4,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

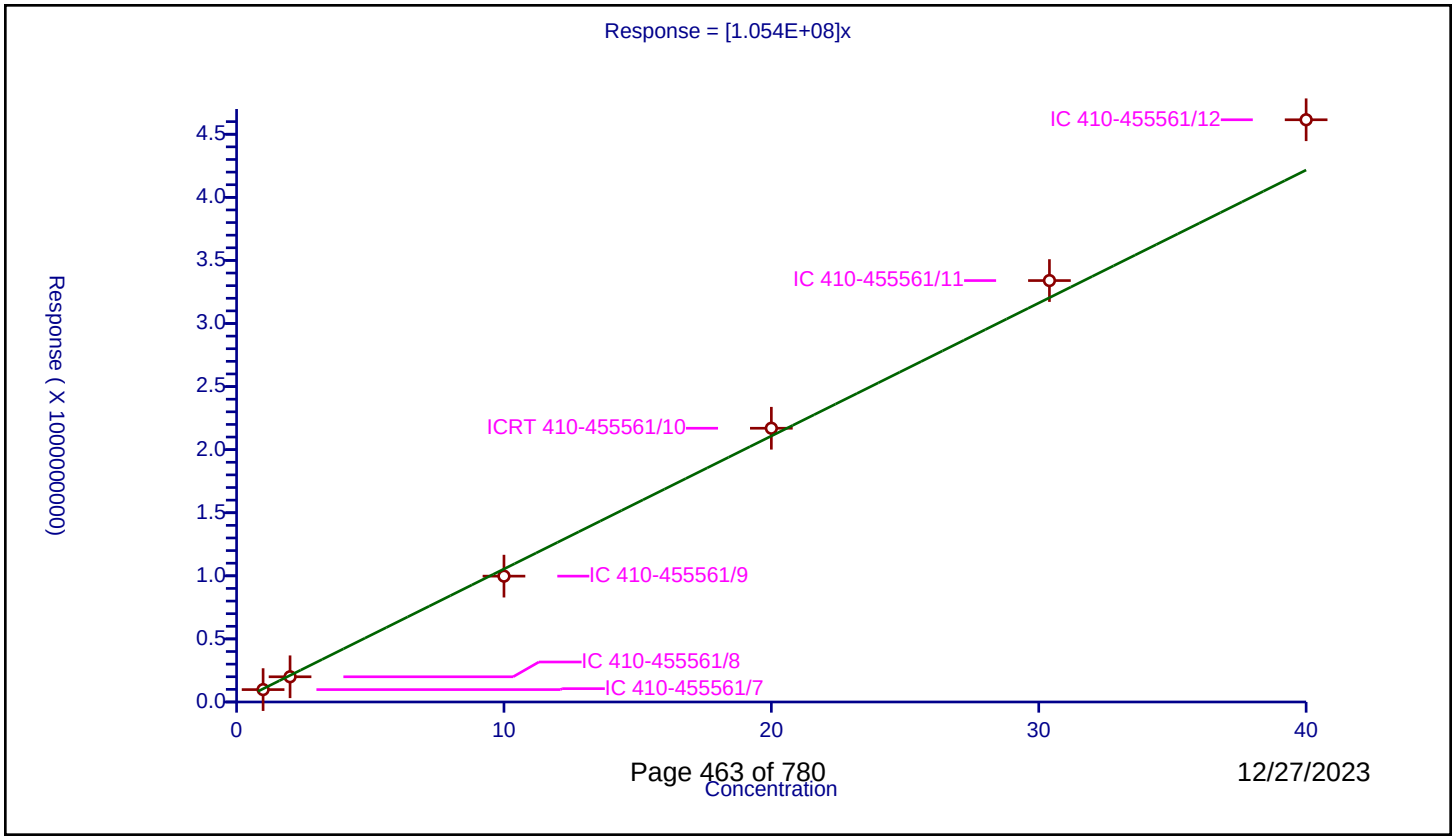
Curve Coefficients

Intercept:	0
Slope:	1.054E+08

Error Coefficients

Standard Error:	192000000
Relative Standard Error:	6.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	98267701.0			99060182.459677	Y
2	IC 410-455561/8	2.0	199800253.0			99900126.5	Y
3	IC 410-455561/9	10.0	997488438.0			99748843.8	Y
4	ICRT 410-455561/10	20.0	2169790082.0			108489504.1	Y
5	IC 410-455561/11	30.4	3340366910.0			109880490.460526	Y
6	IC 410-455561/12	40.0	4614904787.0			115372619.675	Y



Calibration / Endrin aldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

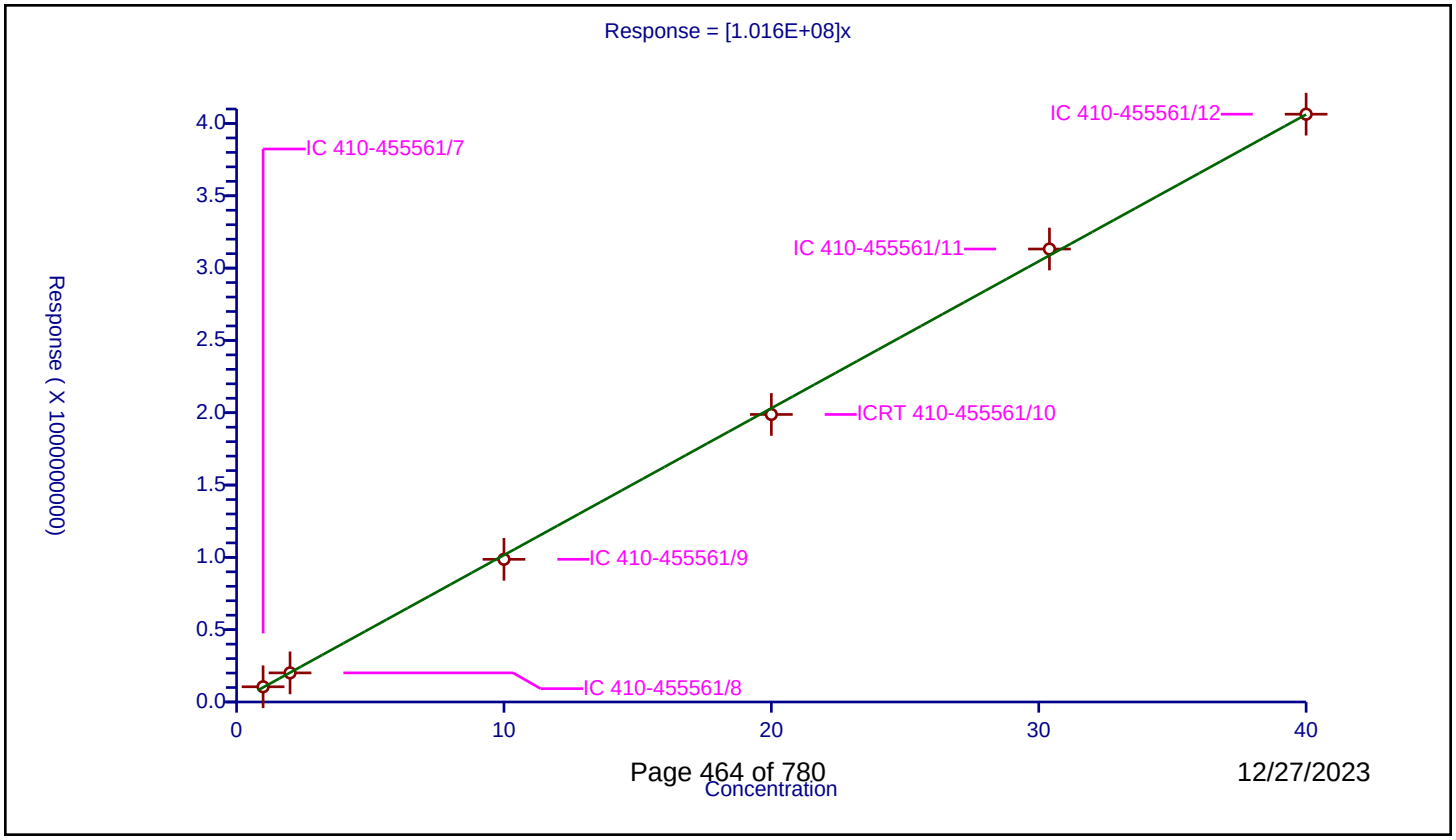
Curve Coefficients

Intercept:	0
Slope:	1.016E+08

Error Coefficients

Standard Error:	30700000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	105210648.0			106059120.967742	Y
2	IC 410-455561/8	2.0	201179768.0			100589884.0	Y
3	IC 410-455561/9	10.0	986599698.0			98659969.8	Y
4	ICRT 410-455561/10	20.0	1988066312.0			99403315.6	Y
5	IC 410-455561/11	30.4	3131926898.0			103023911.118421	Y
6	IC 410-455561/12	40.0	4064199417.0			101604985.425	Y



Calibration / Endosulfan sulfate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

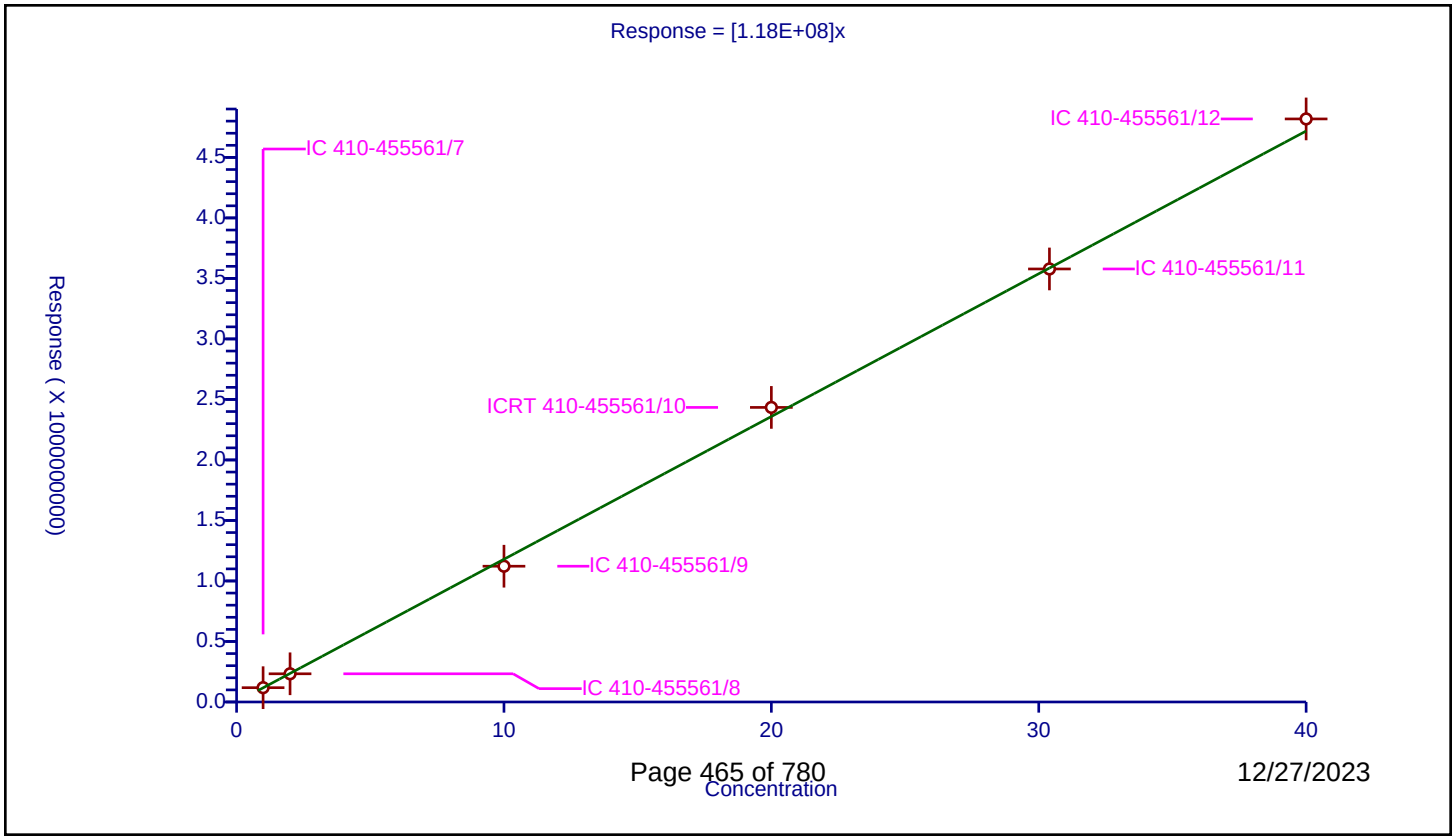
Curve Coefficients

Intercept:	0
Slope:	1.18E+08

Error Coefficients

Standard Error:	61600000
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 410-455561/7	0.992	118205919.0			119159192.540323	Y
2	IC 410-455561/8	2.0	232986001.0			116493000.5	Y
3	IC 410-455561/9	10.0	1121983960.0			112198396.0	Y
4	ICRT 410-455561/10	20.0	2434166769.0			121708338.45	Y
5	IC 410-455561/11	30.4	3578210185.0			117704282.401316	Y
6	IC 410-455561/12	40.0	4817984702.0			120449617.55	Y



Calibration / Methoxychlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

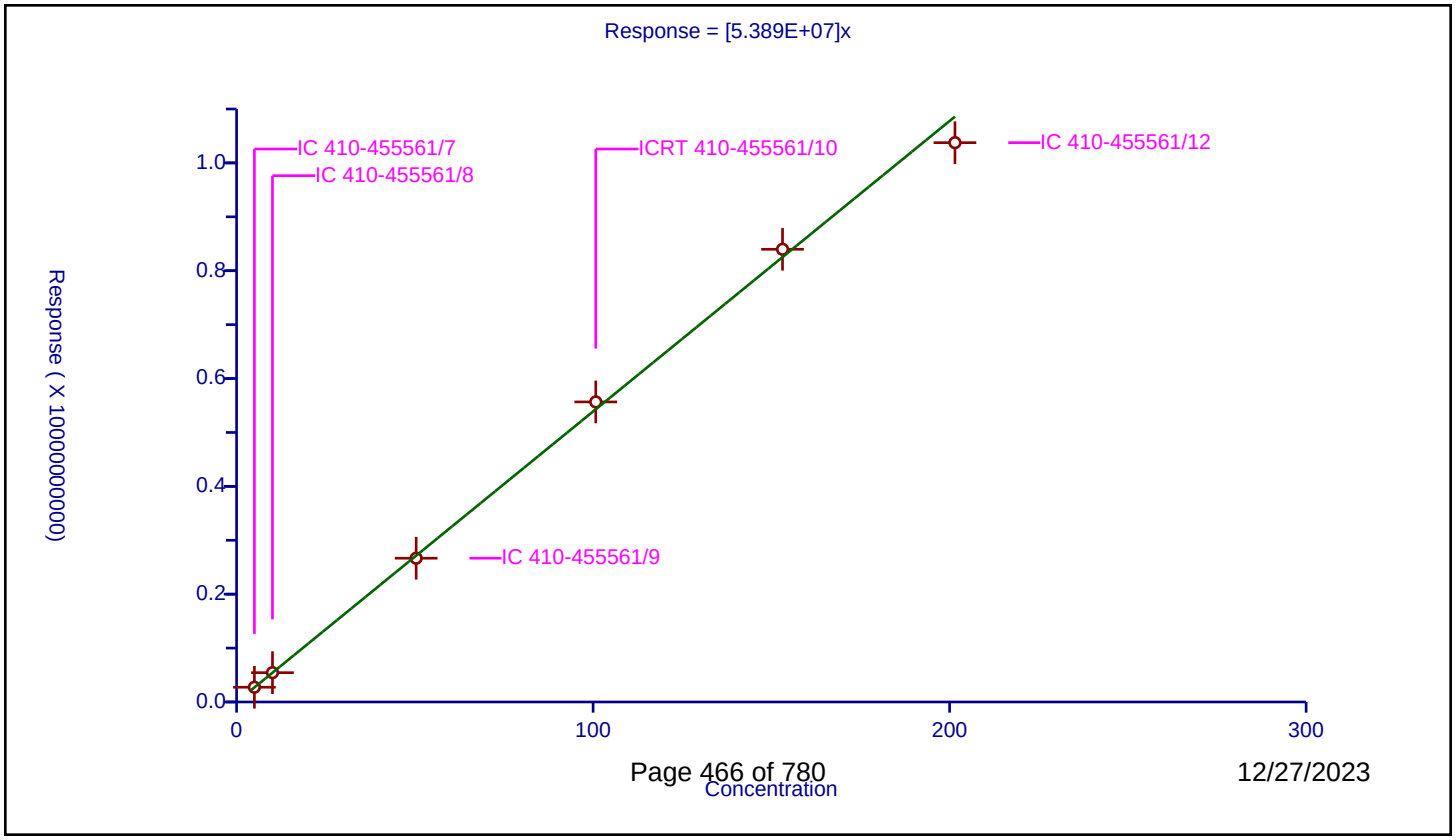
Curve Coefficients

Intercept:	0
Slope:	5.389E+07

Error Coefficients

Standard Error:	235000000
Relative Standard Error:	2.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	4.9972	273913145.0			54813324.461699	Y
2	IC 410-455561/8	10.075	543974312.0			53992487.543424	Y
3	IC 410-455561/9	50.375	2667182229.0			52946545.488834	Y
4	ICRT 410-455561/10	100.75	5566526324.0			55250881.627792	Y
5	IC 410-455561/11	153.14	8398018942.0			54838833.36816	Y
6	IC 410-455561/12	201.5	10375650263.0			51492060.858561	Y



Calibration / Endrin ketone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

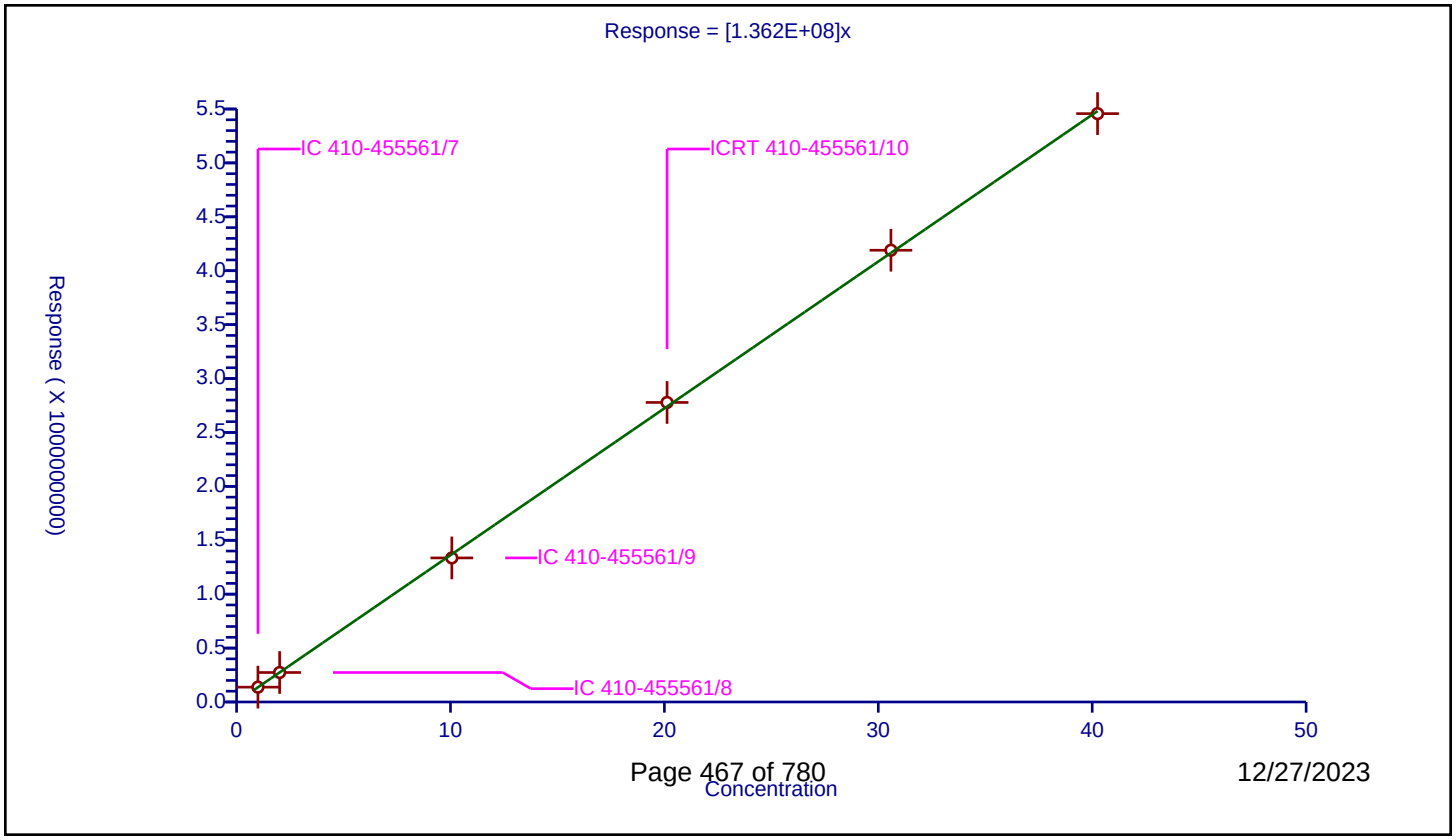
Curve Coefficients

Intercept:	0
Slope:	1.362E+08

Error Coefficients

Standard Error:	27400000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.9982	137606896.0			137855035.063114	Y
2	IC 410-455561/8	2.0125	273316011.0			135809198.012422	Y
3	IC 410-455561/9	10.0625	1336198838.0			132789946.63354	Y
4	ICRT 410-455561/10	20.125	2778349917.0			138054654.26087	Y
5	IC 410-455561/11	30.59	4190084199.0			136975619.450801	Y
6	IC 410-455561/12	40.25	5457088909.0			135579848.670807	Y



Calibration / DCB Decachlorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

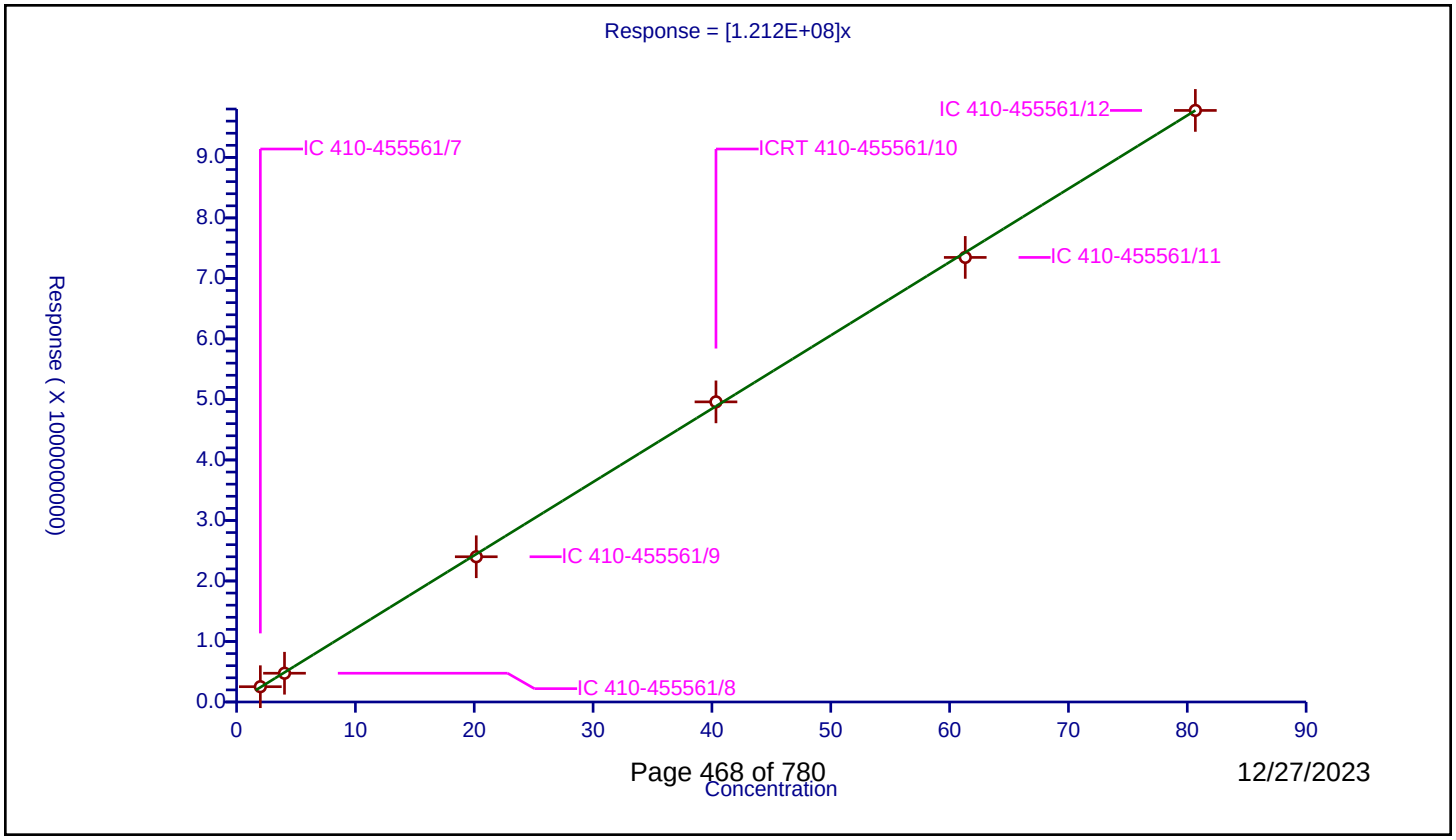
Curve Coefficients

Intercept:	0
Slope:	1.212E+08

Error Coefficients

Standard Error:	53300000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	2.000864	252677270.0			126284080.27732	Y
2	IC 410-455561/8	4.034	475121317.0			117779205.999008	Y
3	IC 410-455561/9	20.17	2400218244.0			118999417.154189	Y
4	ICRT 410-455561/10	40.34	4960171106.0			122959125.086763	Y
5	IC 410-455561/11	61.3168	7347312157.0			119825433.763667	Y
6	IC 410-455561/12	80.68	9776590249.0			121177370.46356	Y



FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56935

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-455561/7	41PEST23348004.007.D
Level 2	IC 410-455561/8	41PEST23348004.008.D
Level 3	IC 410-455561/9	41PEST23348004.009.D
Level 4	ICRT 410-455561/10	41PEST23348004.010.D
Level 5	IC 410-455561/11	41PEST23348004.011.D
Level 6	IC 410-455561/12	41PEST23348004.012.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
alpha-BHC	2.748	2.750	2.750	2.752	2.750	2.748					2.722 - 2.782	2.750
gamma-BHC (Lindane)	3.090	3.090	3.090	3.092	3.088	3.088					3.062 - 3.122	3.090
beta-BHC	3.375	3.377	3.377	3.378	3.375	3.375					3.348 - 3.408	3.376
delta-BHC	3.628	3.630	3.630	3.632	3.628	3.628					3.602 - 3.662	3.629
Heptachlor	3.687	3.690	3.690	3.692	3.688	3.688					3.662 - 3.722	3.689
Aldrin	3.988	3.990	3.990	3.992	3.988	3.988					3.962 - 4.022	3.989
Heptachlor epoxide	4.375	4.377	4.377	4.378	4.375	4.375					4.348 - 4.408	4.376
gamma-Chlordane	4.640	4.643	4.642	4.643	4.642	4.640					4.613 - 4.673	4.642
alpha-Chlordane	4.680	4.682	4.682	4.683	4.682	4.680					4.653 - 4.713	4.682
Endosulfan I	4.710	4.712	4.712	4.713	4.710	4.710					4.683 - 4.743	4.711
p,p'-DDE	4.807	4.810	4.808	4.812	4.808	4.807					4.782 - 4.842	4.809
Dieldrin	4.915	4.917	4.917	4.918	4.917	4.915					4.888 - 4.948	4.917
Endrin	5.095	5.097	5.097	5.098	5.095	5.093					5.068 - 5.128	5.096
p,p'-DDD	5.208	5.210	5.210	5.212	5.208	5.208					5.182 - 5.242	5.209
Endosulfan II	5.298	5.300	5.300	5.302	5.298	5.298					5.272 - 5.332	5.299
Endrin aldehyde	5.382	5.383	5.382	5.385	5.382	5.380					5.355 - 5.415	5.382
p,p'-DDT	5.438	5.440	5.438	5.442	5.438	5.437					5.412 - 5.472	5.439
Endosulfan sulfate	5.593	5.595	5.593	5.595	5.593	5.592					5.565 - 5.625	5.594
Methoxychlor	5.763	5.765	5.763	5.767	5.763	5.762					5.737 - 5.797	5.764
Endrin ketone	5.898	5.900	5.898	5.900	5.898	5.897					5.870 - 5.930	5.899
Tetrachloro-m-xylene (Surr)	2.338	2.340	2.338	2.342	2.338	2.338					2.312 - 2.372	2.339
DCB Decachlorobiphenyl (Surr)	6.952	6.952	6.950	6.953	6.950	6.948					6.923 - 6.983	6.951

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56935

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-455561/7	41PEST23348004.007.D
Level 2	IC 410-455561/8	41PEST23348004.008.D
Level 3	IC 410-455561/9	41PEST23348004.009.D
Level 4	ICRT 410-455561/10	41PEST23348004.010.D
Level 5	IC 410-455561/11	41PEST23348004.011.D
Level 6	IC 410-455561/12	41PEST23348004.012.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	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	149222565 146441888	148203608 150357184	139289236	139401417	Ave		145485983				3.4		20.0			
gamma-BHC (Lindane)	154769184 144110837	152240752 150195843	139793868	145842968	Ave		147825575				3.8		20.0			
beta-BHC	65600468 53086759	64519169 51706676	58797222	54793439	Ave		58083955. 5				10.2		20.0			
delta-BHC	185596260 185255008	176192625 192115887	171473554	179394343	Ave		181671280				4.1		20.0			
Heptachlor	187182165 163010650	179970405 168832422	163607236	161513455	Ave		170686055				6.2		20.0			
Aldrin	189014190 168450974	177628056 172202318	163903151	163378136	Ave		172429471				5.6		20.0			
Heptachlor epoxide	175162808 147671814	165498895 147577759	148600454	145598095	Ave		155018304				7.9		20.0			
gamma-Chlordane	156388669 132411776	149689467 134323899	133967859	133265499	Ave		140007862				7.4		20.0			
alpha-Chlordane	156644389 130323324	150672705 128867539	132870080	128767803	Ave		138024307				8.9		20.0			
Endosulfan I	153905223 124941918	146882637 126568451	129892233	129040018	Ave		135205080				9.0		20.0			
p,p'-DDE	132500773 115843095	120708351 116581291	113282588	113358571	Ave		118712445				6.1		20.0			
Dieldrin	133479617 113237461	124279709 112554360	113862797	112856177	Ave		118378353				7.3		20.0			
Endrin	107898809 81001726	97856365 77790831	82289518	81923857	Ave		88126851. 0				13.6		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56935

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
p,p'-DDD	66507473 48903990	63927935 48133453	53196319	50721439	Ave		55231768.1				14.4		20.0			
Endosulfan II	77638262 53587019	72037944 52301390	59621786	56495321	Ave		61946953.6				16.9		20.0			
Endrin aldehyde	59245631 40427550	53534992 38269379	44989307	42408248	Ave		46479184.5				17.6		20.0			
p,p'-DDT	39429744 31991999	37916134 31297992	34213548	33368481	Ave		34702982.7				9.4		20.0			
Endosulfan sulfate	58825521 44219856	55850269 42091250	48248264	45812376	Ave		49174589.4				13.6		20.0			
Methoxychlor	20544965 17333932	19608697 17086784	17820142	17796799	Ave		18365219.9				7.6		20.0			
Endrin ketone	62467509 57233735	61870030 57082237	58450819	58571820	Ave		59279358.1				3.9		20.0			
Tetrachloro-m-xylene (Surr)	48141000 36113010	44466870 35057121	37589764	36501231	Ave		39644832.6				13.5		20.0			
DCB Decachlorobiphenyl (Surr)	51608644 43507071	47943848 42967239	44578692	44076781	Ave		45780379.0				7.3		20.0			

Note: The M1 coefficient is the same as Ave CF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI

PESTICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA

RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56935

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-455561/7	41PEST23348004.007.D
Level 2	IC 410-455561/8	41PEST23348004.008.D
Level 3	IC 410-455561/9	41PEST23348004.009.D
Level 4	ICRT 410-455561/10	41PEST23348004.010.D
Level 5	IC 410-455561/11	41PEST23348004.011.D
Level 6	IC 410-455561/12	41PEST23348004.012.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
alpha-BHC	Ave	74014392 3007143687	148203608	696446179	1394014167	2225916692	0.496 20.0	1.00	5.00	10.0	15.2
gamma-BHC (Lindane)	Ave	77725084 3041465823	154143761	707706459	1476660051	2217865775	0.502 20.3	1.01	5.06	10.1	15.4
beta-BHC	Ave	32944555 1047060183	65325659	297660938	554783565	817005220	0.502 20.3	1.01	5.06	10.1	15.4
delta-BHC	Ave	92055745 3842317745	176192625	857367771	1793943434	2815876127	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor	Ave	92842354 3376648431	179970405	818036180	1615134546	2477761885	0.496 20.0	1.00	5.00	10.0	15.2
Aldrin	Ave	93751038 3444046360	177628056	819515756	1633781355	2560454801	0.496 20.0	1.00	5.00	10.0	15.2
Heptachlor epoxide	Ave	87966762 2988449613	167567631	752289798	1474180708	2272669211	0.502 20.3	1.01	5.06	10.1	15.4
gamma-Chlordane	Ave	77568780 2686477987	149689467	669839297	1332654988	2012659002	0.496 20.0	1.00	5.00	10.0	15.2
alpha-Chlordane	Ave	78666812 2609567662	152556114	672654780	1303774010	2005675957	0.502 20.3	1.01	5.06	10.1	15.4
Endosulfan I	Ave	77291203 2563011129	148718670	657579431	1306530180	1922856123	0.502 20.3	1.01	5.06	10.1	15.4
p,p'-DDE	Ave	132262272 4692396943	242925556	1139906038	2281341245	3543640273	0.998 40.3	2.01	10.1	20.1	30.6
Dieldrin	Ave	132411780 4502174386	248559417	1138627969	2257123536	3442418826	0.992 40.0	2.00	10.0	20.0	30.4
Endrin	Ave	107035619 3111633233	195712730	822895180	1638477140	2462452463	0.992 40.0	2.00	10.0	20.0	30.4
p,p'-DDD	Ave	65975413 1925338116	127855870	531963186	1014428781	1486681308	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan II	Ave	77017156 2092055609	144075888	596217859	1129906415	1629045374	0.992 40.0	2.00	10.0	20.0	30.4
Endrin aldehyde	Ave	58771666	107069984	449893070	848164956	1228997529	0.992	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 Environment Testing, LLC Job No.: 410-154654-1 Analy Batch No.: 455561

SDG No.:

Instrument ID: 9147 GC Column: DB CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2023 05:18 Calibration End Date: 12/19/2023 06:31 Calibration ID: 56935

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
		1530775158					40.0				
p,p'-DDT	Ave	39114306 1251919669	75832267	342135475	667369624	972556755	0.992 40.0	2.00	10.0	20.0	30.4
Endosulfan sulfate	Ave	58354917 1683650003	111700537	482482639	916247525	1344283630	0.992 40.0	2.00	10.0	20.0	30.4
Methoxychlor	Ave	102667301 3442987033	197557618	897689659	1793027549	2654518306	5.00 202	10.1	50.4	101	153
Endrin ketone	Ave	62355067 2297560021	124513435	588161364	1178757871	1750779963	0.998 40.3	2.01	10.1	20.1	30.6
Tetrachloro-m-xylene (Surr)	Ave	96084814 2821397100	178934685	756306054	1468809522	2208845031	2.00 80.5	4.02	20.1	40.2	61.2
DCB Decachlorobiphenyl (Surr)	Ave	103261877 3466596844	193405481	899152224	1778057341	2667714347	2.00 80.7	4.03	20.2	40.3	61.3

Curve Type Legend:

Ave = Average by Height

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.007.D
Lims ID: ic mixa1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Dec-2023 05:18:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic mixa1
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:32:44 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.780	-0.002	166966347H	2.00	2.04	
2	2.338	2.342	-0.004	96084814H	2.00	2.42	
						RPD = 17.17	
2 alpha-BHC							
1	2.363	2.367	-0.004	65048009H	0.4960	0.5097	
2	2.748	2.752	-0.004	74014392H	0.4960	0.5087	
						RPD = 0.20	
4 gamma-BHC (Lindane)							
1	2.732	2.733	-0.001	63522895H	0.5022	0.5147	
2	3.090	3.092	-0.002	77725084H	0.5022	0.5258	
						RPD = 2.13	
5 beta-BHC							
1	2.982	2.983	-0.001	30482786H	0.5022	0.5750	
2	3.375	3.378	-0.003	32944555H	0.5022	0.5672	
						RPD = 1.37	
7 delta-BHC							
1	3.268	3.272	-0.004	69509949H	0.4960	0.4948	
2	3.628	3.632	-0.004	92055745H	0.4960	0.5067	
						RPD = 2.38	
8 Heptachlor							
1	3.092	3.093	-0.001	58993818H	0.4960	0.5366	
2	3.687	3.692	-0.005	92842354H	0.4960	0.5439	
						RPD = 1.35	
9 Aldrin							
1	3.402	3.403	-0.001	64029176H	0.4960	0.5129	
2	3.988	3.992	-0.004	93751038H	0.4960	0.5437	
						RPD = 5.83	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.912	3.913	-0.001	66156279H	0.5022	0.5386	
2	4.375	4.378	-0.003	87966762H	0.5022	0.5675	
						RPD = 5.21	
13 trans-Chlordane							
1	4.113	4.117	-0.004	64935713H	0.4960	0.5056	
2	4.640	4.643	-0.003	77568780H	0.4960	0.5540	
						RPD = 9.14	
14 cis-Chlordane							
1	4.197	4.200	-0.003	67236293H	0.5022	0.5276	
2	4.680	4.683	-0.003	78666812H	0.5022	0.5699	
						RPD = 7.72	
15 Endosulfan I							
1	4.243	4.245	-0.002	62019556H	0.5022	0.5244	
2	4.710	4.713	-0.003	77291203H	0.5022	0.5717	
						RPD = 8.62	
16 4,4'-DDE							
1	4.375	4.377	-0.002	139988239H	1.00	0.9880	
2	4.807	4.812	-0.005	132262272H	1.00	1.11	
						RPD = 12.00	
18 Dieldrin							
1	4.482	4.483	-0.001	134940387H	0.99	0.9712	
2	4.915	4.918	-0.003	132411780H	0.99	1.12	
						RPD = 14.10	
19 Endrin							
1	4.733	4.737	-0.004	125124145H	0.99	0.99	
2	5.095	5.098	-0.003	107035619H	0.99	1.21	
						RPD = 20.25	
22 4,4'-DDD							
1	4.835	4.838	-0.003	114704091H	0.99	0.9553	
2	5.208	5.212	-0.004	65975413H	0.99	1.19	
						RPD = 22.25	
23 Endosulfan II							
1	4.943	4.947	-0.004	122628072H	0.99	0.9896	
2	5.298	5.302	-0.004	77017156H	0.99	1.24	
						RPD = 22.72	
25 Endrin aldehyde							
1	5.118	5.120	-0.002	105210648H	0.99	1.04	
2	5.382	5.385	-0.003	58771666H	0.99	1.26	
						RPD = 19.87	
26 4,4'-DDT							
1	5.045	5.048	-0.003	98267701H	0.99	0.9323	
2	5.438	5.442	-0.004	39114306H	0.99	1.13	
						RPD = 18.92	
27 Endosulfan sulfate							
1	5.268	5.270	-0.002	118205919H	0.99	1.00	
2	5.593	5.595	-0.002	58354917H	0.99	1.19	
						RPD = 16.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.545	5.547	-0.002	273913145H	5.00	5.08	
2	5.763	5.767	-0.004	102667301H	5.00	5.59	
						RPD = 9.51	
29 Endrin ketone							
1	5.705	5.707	-0.002	137606896H	1.00	1.01	
2	5.898	5.900	-0.002	62355067H	1.00	1.05	
						RPD = 4.01	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.453	6.455	-0.002	252677270H	2.00	2.09	
2	6.952	6.953	-0.001	103261877H	2.00	2.26	
						RPD = 7.85	
S 32 Total DDTs							
1						0.9323	
2						1.13	
						RPD = 18.92	
S 33 Endosulfan, Total							
1						1.51	
2						1.81	
						RPD = 18.07	

Reagents:

GCS_MIXA1_00011 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:32:45 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.007.D

Injection Date: 19-Dec-2023 05:18:00 Instrument ID: 9147

Lims ID: ic mixa1

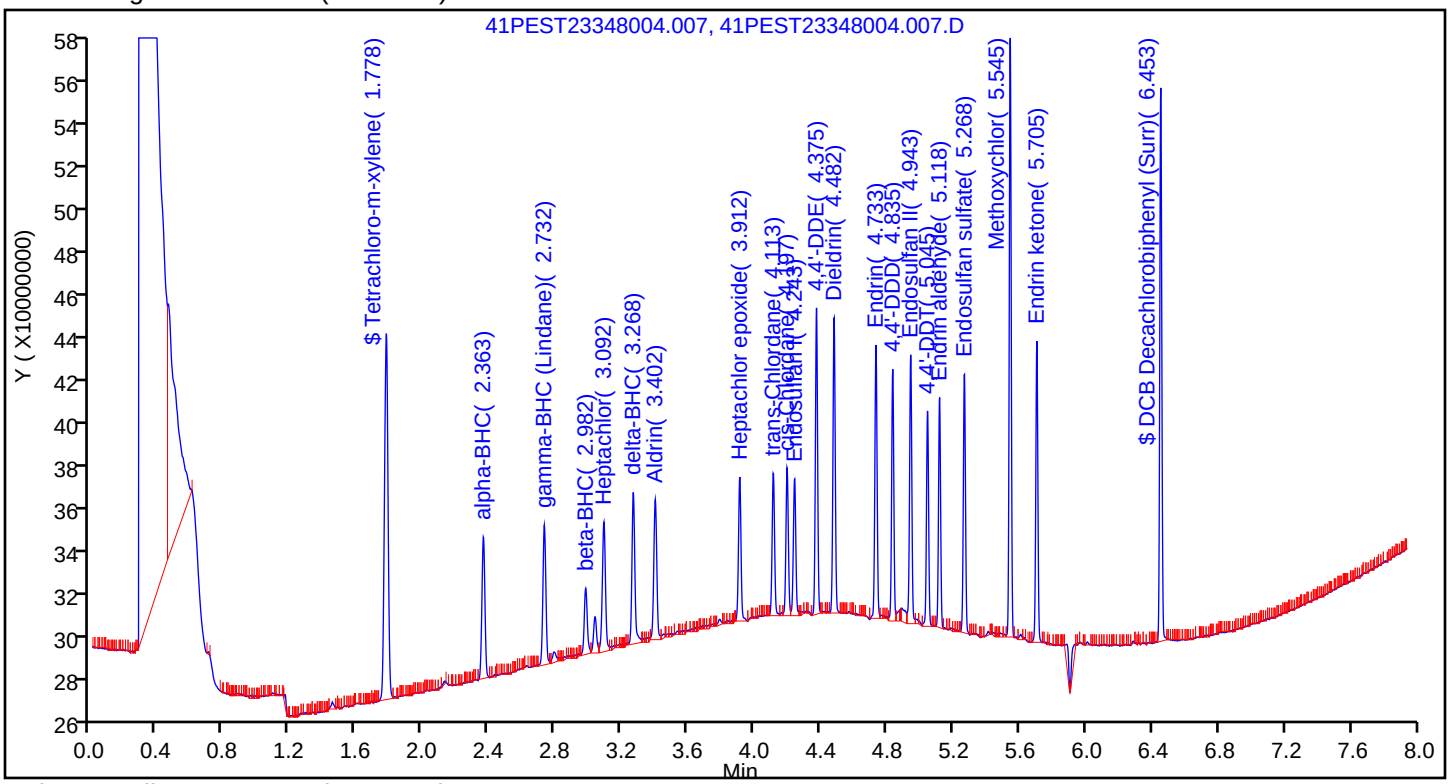
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

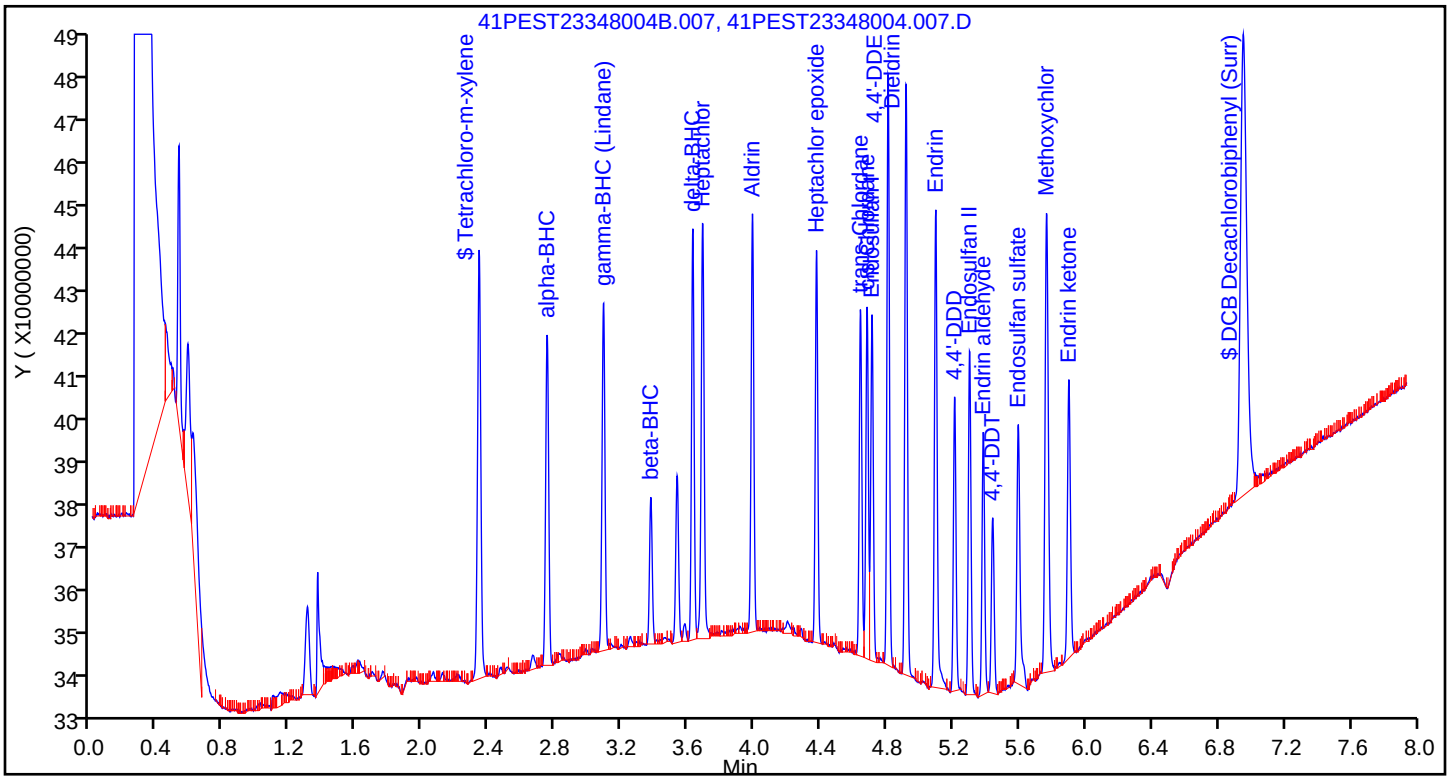
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.008.D
Lims ID: ic 2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Dec-2023 05:32:00 ALS Bottle#: 0 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 2
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:32:48 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

First Level Reviewer: UAMZ Date: 19-Dec-2023 07:16:15

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.780	-0.002	323771430H	4.02	3.96	
2	2.340	2.342	-0.002	178934685H	4.02	4.51	
						RPD = 13.14	
2 alpha-BHC							
1	2.365	2.367	-0.002	121555596H	1.00	0.9525	
2	2.750	2.752	-0.002	148203608H	1.00	1.02	
						RPD = 6.71	
4 gamma-BHC (Lindane)							
1	2.733	2.733	0.000	125693915H	1.01	1.02	
2	3.090	3.092	-0.002	154143761H	1.01	1.04	
						RPD = 2.35	
5 beta-BHC							
1	2.983	2.983	0.000	60258556H	1.01	1.14	
2	3.377	3.378	-0.001	65325659H	1.01	1.12	
						RPD = 1.06	
7 delta-BHC							
1	3.272	3.272	0.000	144550484H	1.00	1.03	
2	3.630	3.632	-0.002	176192625H	1.00	0.9698	
						RPD = 5.92	
8 Heptachlor							
1	3.093	3.093	0.000	114722561H	1.00	1.04	
2	3.690	3.692	-0.002	179970405H	1.00	1.05	
						RPD = 1.03	
9 Aldrin							
1	3.403	3.403	0.000	129755528H	1.00	1.04	
2	3.990	3.992	-0.002	177628056H	1.00	1.03	
						RPD = 0.90	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.913	3.913	0.000	133528272H	1.01	1.09	
2	4.377	4.378	-0.001	167567631H	1.01	1.08	
						RPD = 0.57	
13 trans-Chlordane							
1	4.117	4.117	0.000	133798159H	1.00	1.04	
2	4.643	4.643	0.000	149689467H	1.00	1.07	
						RPD = 2.59	
14 cis-Chlordane							
1	4.200	4.200	0.000	138005643H	1.01	1.08	
2	4.682	4.683	-0.001	152556114H	1.01	1.11	
						RPD = 2.04	
15 Endosulfan I							
1	4.243	4.245	-0.002	128010130H	1.01	1.08	
2	4.712	4.713	-0.001	148718670H	1.01	1.10	
						RPD = 1.60	
16 4,4'-DDE							
1	4.377	4.377	0.000	280769668H	2.01	1.98	
2	4.810	4.812	-0.002	242925556H	2.01	2.05	
						RPD = 3.22	
18 Dieldrin							
1	4.483	4.483	0.000	268143686H	2.00	1.93	
2	4.917	4.918	-0.001	248559417H	2.00	2.10	
						RPD = 8.43	
19 Endrin							
1	4.735	4.737	-0.002	244486080H	2.00	1.94	
2	5.097	5.098	-0.001	195712730H	2.00	2.22	
						RPD = 13.66	
22 4,4'-DDD							
1	4.837	4.838	-0.001	222277633H	2.00	1.85	
2	5.210	5.212	-0.002	127855870H	2.00	2.31	
						RPD = 22.26	
23 Endosulfan II							
1	4.945	4.947	-0.002	237504663H	2.00	1.92	
2	5.300	5.302	-0.002	144075888H	2.00	2.33	
						RPD = 19.28	
25 Endrin aldehyde							
1	5.120	5.120	0.000	201179768H	2.00	1.98	
2	5.383	5.385	-0.002	107069984H	2.00	2.30	
						RPD = 15.06	
26 4,4'-DDT							
1	5.047	5.048	-0.001	199800253H	2.00	1.90	
2	5.440	5.442	-0.002	75832267H	2.00	2.19	
						RPD = 14.20	
27 Endosulfan sulfate							
1	5.270	5.270	0.000	232986001H	2.00	1.98	
2	5.595	5.595	0.000	111700537H	2.00	2.27	
						RPD = 13.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.547	5.547	0.000	543974312H	10.1	10.1	
2	5.765	5.767	-0.002	197557618H	10.1	10.8	
						RPD = 6.36	
29 Endrin ketone							
1	5.707	5.707	0.000	273316011H	2.01	2.01	
2	5.900	5.900	0.000	124513435H	2.01	2.10	
						RPD = 4.55	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.453	6.455	-0.002	475121317H	4.03	3.92	
2	6.952	6.953	-0.001	193405481H	4.03	4.22	
						RPD = 7.45	
S 32 Total DDTs							
1						1.90	
2						2.19	
						RPD = 14.20	
S 33 Endosulfan, Total							
1						3.00	
2						3.43	
						RPD = 13.28	

Reagents:

GCS_MIXA2_00010 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:32:50 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.008.D

Injection Date: 19-Dec-2023 05:32:00 Instrument ID: 9147

Lims ID: ic 2

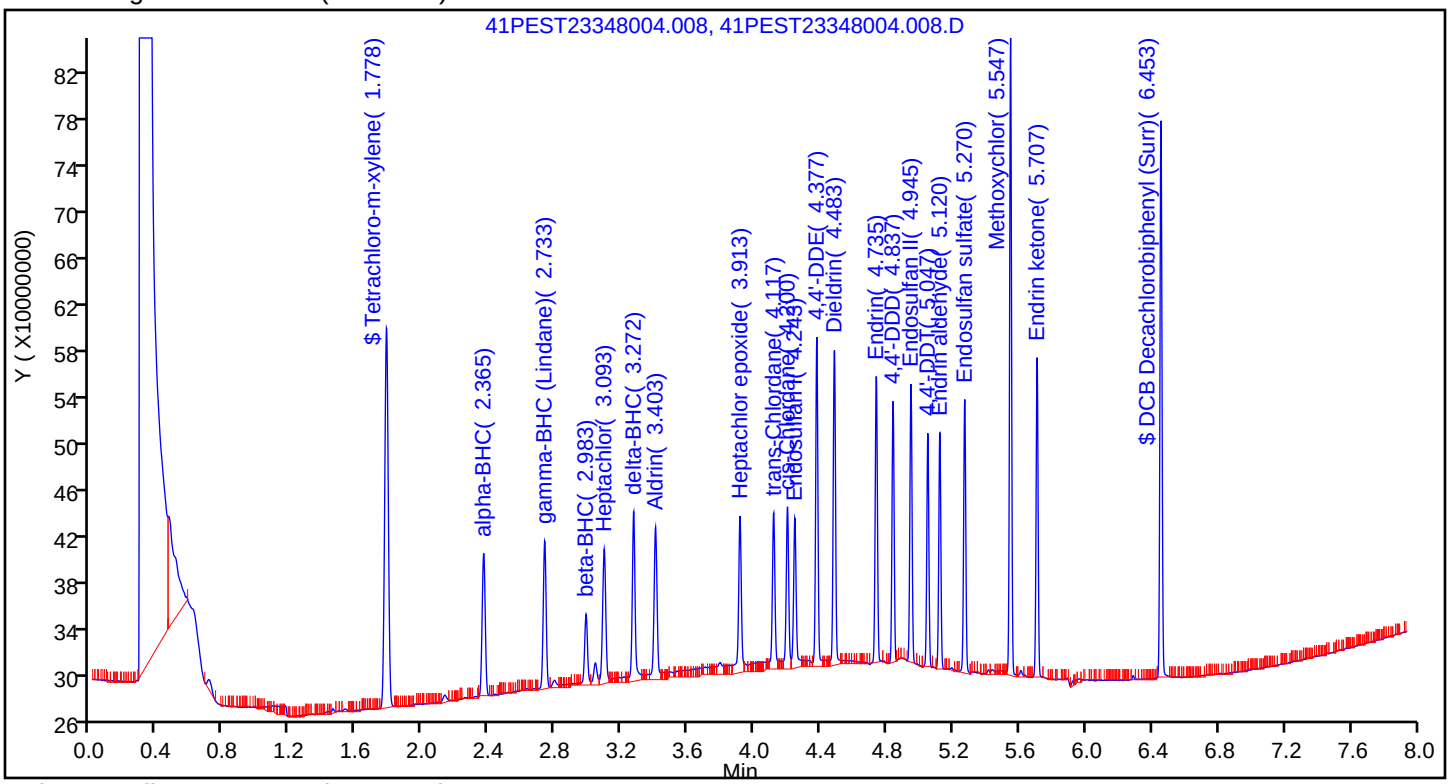
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 8

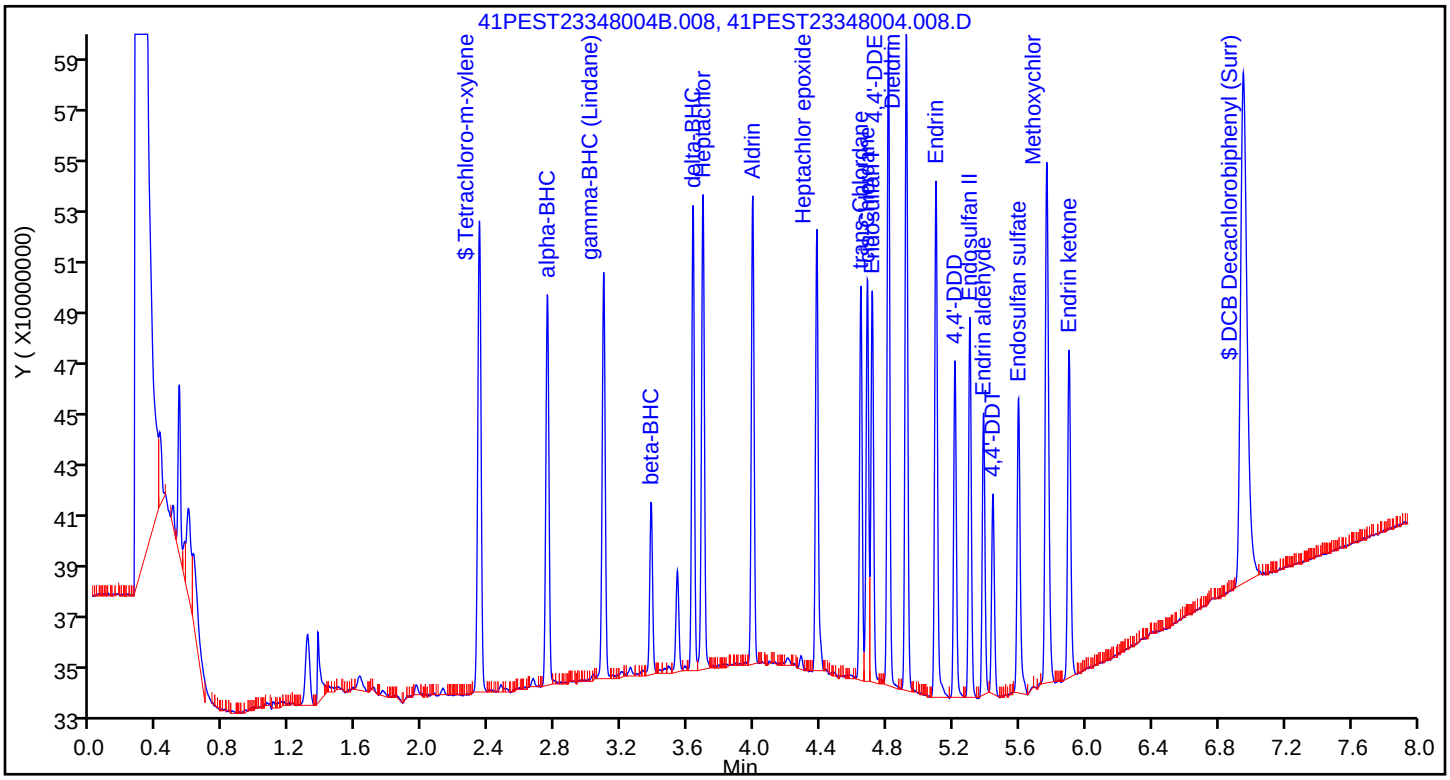
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.009.D
Lims ID: ic 3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Dec-2023 05:47:00 ALS Bottle#: 0 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 3
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:32:53 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.780	-0.003	1624213479H	20.1	19.8	
2	2.338	2.342	-0.004	756306054H	20.1	19.1	
						RPD = 3.97	
2 alpha-BHC							
1	2.363	2.367	-0.004	606177384H	5.00	4.75	
2	2.750	2.752	-0.002	696446179H	5.00	4.79	
						RPD = 0.77	
4 gamma-BHC (Lindane)							
1	2.730	2.733	-0.003	600455601H	5.06	4.87	
2	3.090	3.092	-0.002	707706459H	5.06	4.79	
						RPD = 1.62	
5 beta-BHC							
1	2.980	2.983	-0.003	254554919H	5.06	4.80	
2	3.377	3.378	-0.001	297660938H	5.06	5.12	
						RPD = 6.51	
7 delta-BHC							
1	3.268	3.272	-0.004	665933015H	5.00	4.74	
2	3.630	3.632	-0.002	857367771H	5.00	4.72	
						RPD = 0.45	
8 Heptachlor							
1	3.090	3.093	-0.003	517316434H	5.00	4.71	
2	3.690	3.692	-0.002	818036180H	5.00	4.79	
						RPD = 1.83	
9 Aldrin							
1	3.400	3.403	-0.003	609073703H	5.00	4.88	
2	3.990	3.992	-0.002	819515756H	5.00	4.75	
						RPD = 2.62	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.910	3.913	-0.003	587022289H	5.06	4.78	
2	4.377	4.378	-0.001	752289798H	5.06	4.85	
						RPD = 1.52	
13 trans-Chlordane							
1	4.113	4.117	-0.004	615132151H	5.00	4.79	
2	4.642	4.643	-0.001	669839297H	5.00	4.78	
						RPD = 0.11	
14 cis-Chlordane							
1	4.197	4.200	-0.003	614368986H	5.06	4.82	
2	4.682	4.683	-0.001	672654780H	5.06	4.87	
						RPD = 1.08	
15 Endosulfan I							
1	4.242	4.245	-0.003	568375543H	5.06	4.81	
2	4.712	4.713	-0.001	657579431H	5.06	4.86	
						RPD = 1.19	
16 4,4'-DDE							
1	4.373	4.377	-0.004	1385806751H	10.1	9.78	
2	4.808	4.812	-0.004	1139906038H	10.1	9.60	
						RPD = 1.84	
18 Dieldrin							
1	4.480	4.483	-0.003	1328460753H	10.0	9.56	
2	4.917	4.918	-0.001	1138627969H	10.0	9.62	
						RPD = 0.60	
19 Endrin							
1	4.733	4.737	-0.004	1190847332H	10.0	9.43	
2	5.097	5.098	-0.001	822895180H	10.0	9.34	
						RPD = 1.02	
22 4,4'-DDD							
1	4.835	4.838	-0.003	1193778870H	10.0	9.94	
2	5.210	5.212	-0.002	531963186H	10.0	9.63	
						RPD = 3.18	
23 Endosulfan II							
1	4.942	4.947	-0.005	1238474245H	10.0	10.0	
2	5.300	5.302	-0.002	596217859H	10.0	9.62	
						RPD = 3.77	
25 Endrin aldehyde							
1	5.117	5.120	-0.003	986599698H	10.0	9.71	
2	5.382	5.385	-0.003	449893070H	10.0	9.68	
						RPD = 0.36	
26 4,4'-DDT							
1	5.045	5.048	-0.003	997488438H	10.0	9.46	
2	5.438	5.442	-0.004	342135475H	10.0	9.86	
						RPD = 4.10	
27 Endosulfan sulfate							
1	5.267	5.270	-0.003	1121983960H	10.0	9.51	
2	5.593	5.595	-0.002	482482639H	10.0	9.81	
						RPD = 3.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.545	5.547	-0.002	2667182229H	50.4	49.5	
2	5.763	5.767	-0.004	897689659H	50.4	48.9	
						RPD = 1.25	
29 Endrin ketone							
1	5.703	5.707	-0.004	1336198838H	10.1	9.81	
2	5.898	5.900	-0.002	588161364H	10.1	9.92	
						RPD = 1.11	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.452	6.455	-0.003	2400218244H	20.2	19.8	
2	6.950	6.953	-0.003	899152224H	20.2	19.6	
						RPD = 0.85	
S 32 Total DDTs							
1						9.46	
2						9.86	
						RPD = 4.10	
S 33 Endosulfan, Total							
1						14.8	
2						14.5	
						RPD = 2.14	

Reagents:

GCS_MIXA3_00011 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:32:54 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.009.D

Injection Date: 19-Dec-2023 05:47:00 Instrument ID: 9147

Lims ID: ic 3

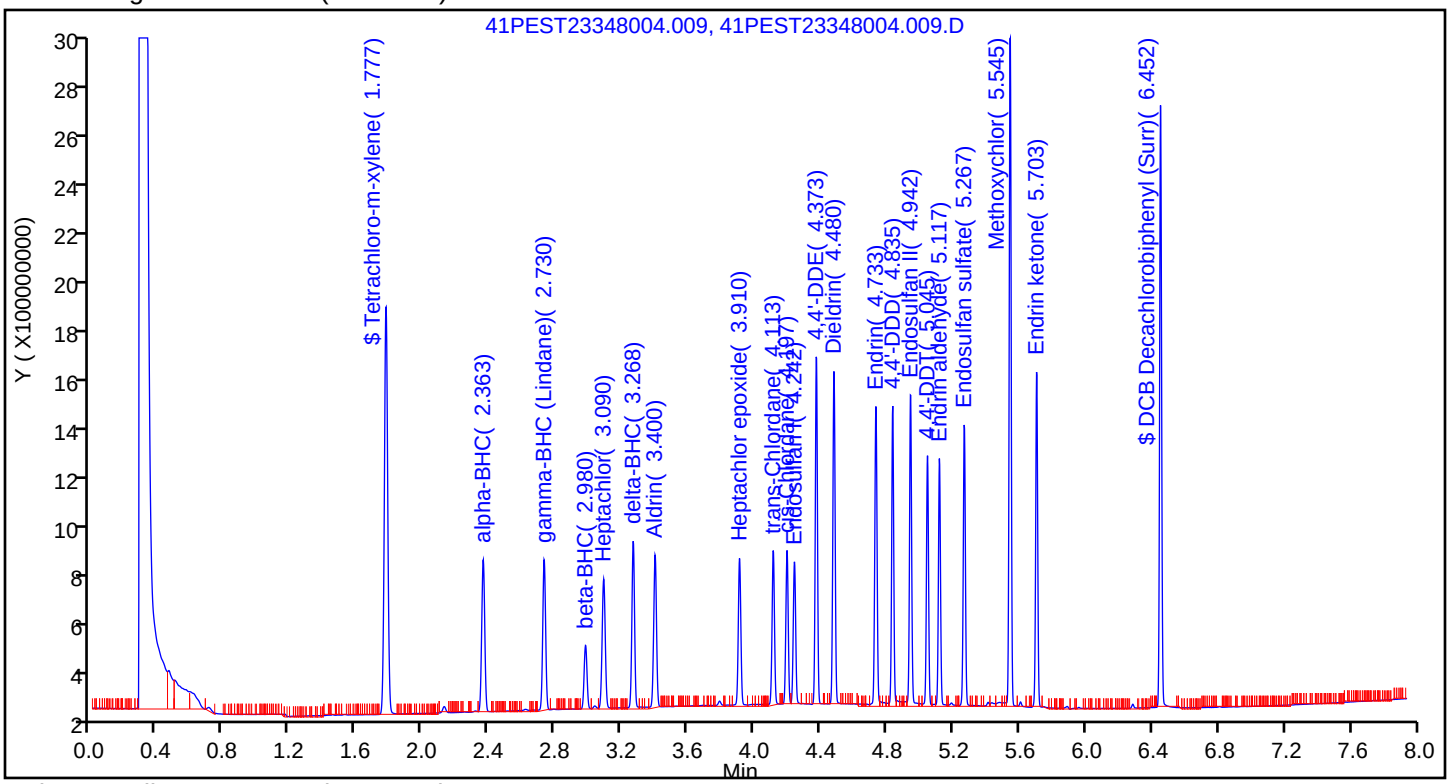
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 9

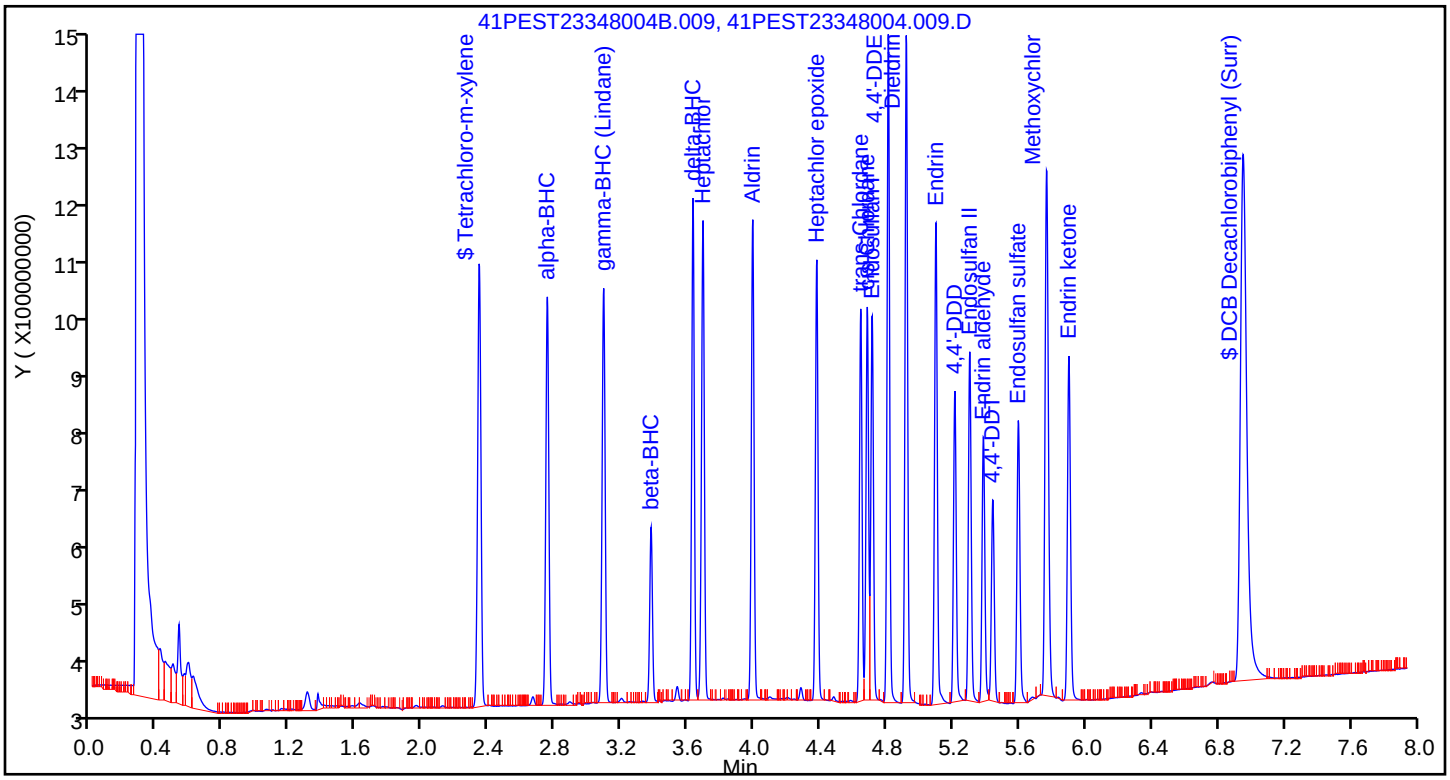
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.010.D
Lims ID: icrt
Client ID:
Sample Type: ICRT Calib Level: 4
Inject. Date: 19-Dec-2023 06:01:00 ALS Bottle#: 0 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:32:57 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.780	1.780	0.000	3307309070H	40.2	40.4	
2	2.342	2.342	0.000	1468809522H	40.2	37.0	
						RPD = 8.70	
2 alpha-BHC							
1	2.367	2.367	0.000	1313850992H	10.0	10.3	
2	2.752	2.752	0.000	1394014167H	10.0	9.58	
						RPD = 7.18	
4 gamma-BHC (Lindane)							
1	2.733	2.733	0.000	1229096138H	10.1	9.96	
2	3.092	3.092	0.000	1476660051H	10.1	9.99	
						RPD = 0.30	
5 beta-BHC							
1	2.983	2.983	0.000	507422734H	10.1	9.57	
2	3.378	3.378	0.000	554783565H	10.1	9.55	
						RPD = 0.21	
7 delta-BHC							
1	3.272	3.272	0.000	1437206698H	10.0	10.2	
2	3.632	3.632	0.000	1793943434H	10.0	9.87	
						RPD = 3.54	
8 Heptachlor							
1	3.093	3.093	0.000	1053457327H	10.0	9.58	
2	3.692	3.692	0.000	1615134546H	10.0	9.46	
						RPD = 1.26	
9 Aldrin							
1	3.403	3.403	0.000	1214092860H	10.0	9.73	
2	3.992	3.992	0.000	1633781355H	10.0	9.48	
						RPD = 2.61	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.913	3.913	0.000	1211030668H	10.1	9.86	
2	4.378	4.378	0.000	1474180708H	10.1	9.51	
						RPD = 3.62	
13 trans-Chlordane							
1	4.117	4.117	0.000	1289139058H	10.0	10.0	
2	4.643	4.643	0.000	1332654988H	10.0	9.52	
						RPD = 5.31	
14 cis-Chlordane							
1	4.200	4.200	0.000	1254722615H	10.1	9.85	
2	4.683	4.683	0.000	1303774010H	10.1	9.45	
						RPD = 4.15	
15 Endosulfan I							
1	4.245	4.245	0.000	1182556006H	10.1	10.0	
2	4.713	4.713	0.000	1306530180H	10.1	9.66	
						RPD = 3.42	
16 4,4'-DDE							
1	4.377	4.377	0.000	2915123354H	20.1	20.6	
2	4.812	4.812	0.000	2281341245H	20.1	19.2	
						RPD = 6.82	
18 Dieldrin							
1	4.483	4.483	0.000	2843118055H	20.0	20.5	
2	4.918	4.918	0.000	2257123536H	20.0	19.1	
						RPD = 7.06	
19 Endrin							
1	4.737	4.737	0.000	2634722740H	20.0	20.9	
2	5.098	5.098	0.000	1638477140H	20.0	18.6	
						RPD = 11.55	
22 4,4'-DDD							
1	4.838	4.838	0.000	2496801224H	20.0	20.8	
2	5.212	5.212	0.000	1014428781H	20.0	18.4	
						RPD = 12.40	
23 Endosulfan II							
1	4.947	4.947	0.000	2491696812H	20.0	20.1	
2	5.302	5.302	0.000	1129906415H	20.0	18.2	
						RPD = 9.75	
25 Endrin aldehyde							
1	5.120	5.120	0.000	1988066312H	20.0	19.6	
2	5.385	5.385	0.000	848164956H	20.0	18.2	
						RPD = 7.02	
26 4,4'-DDT							
1	5.048	5.048	0.000	2169790082H	20.0	20.6	
2	5.442	5.442	0.000	667369624H	20.0	19.2	
						RPD = 6.80	
27 Endosulfan sulfate							
1	5.270	5.270	0.000	2434166769H	20.0	20.6	
2	5.595	5.595	0.000	916247525H	20.0	18.6	
						RPD = 10.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.547	5.547	0.000	5566526324H	100.8	103.3	
2	5.767	5.767	0.000	1793027549H	100.8	97.6	
						RPD = 5.64	
29 Endrin ketone							
1	5.707	5.707	0.000	2778349917H	20.1	20.4	
2	5.900	5.900	0.000	1178757871H	20.1	19.9	
						RPD = 2.57	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.455	6.455	0.000	4960171106H	40.3	40.9	
2	6.953	6.953	0.000	1778057341H	40.3	38.8	
						RPD = 5.26	

Reagents:

GCS_MIXA4_00015 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:32:58 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.010.D

Injection Date: 19-Dec-2023 06:01:00 Instrument ID: 9147

Lims ID: icrt

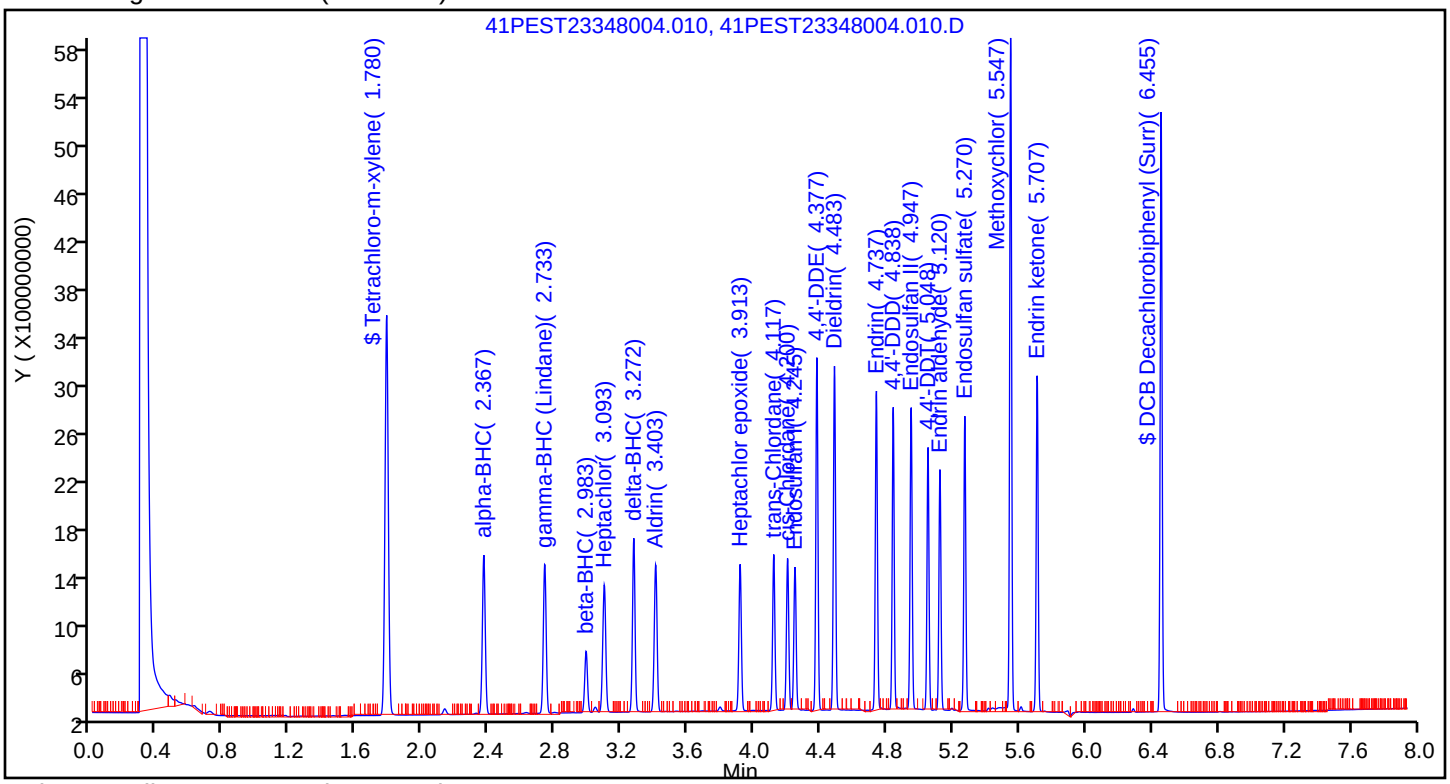
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 10

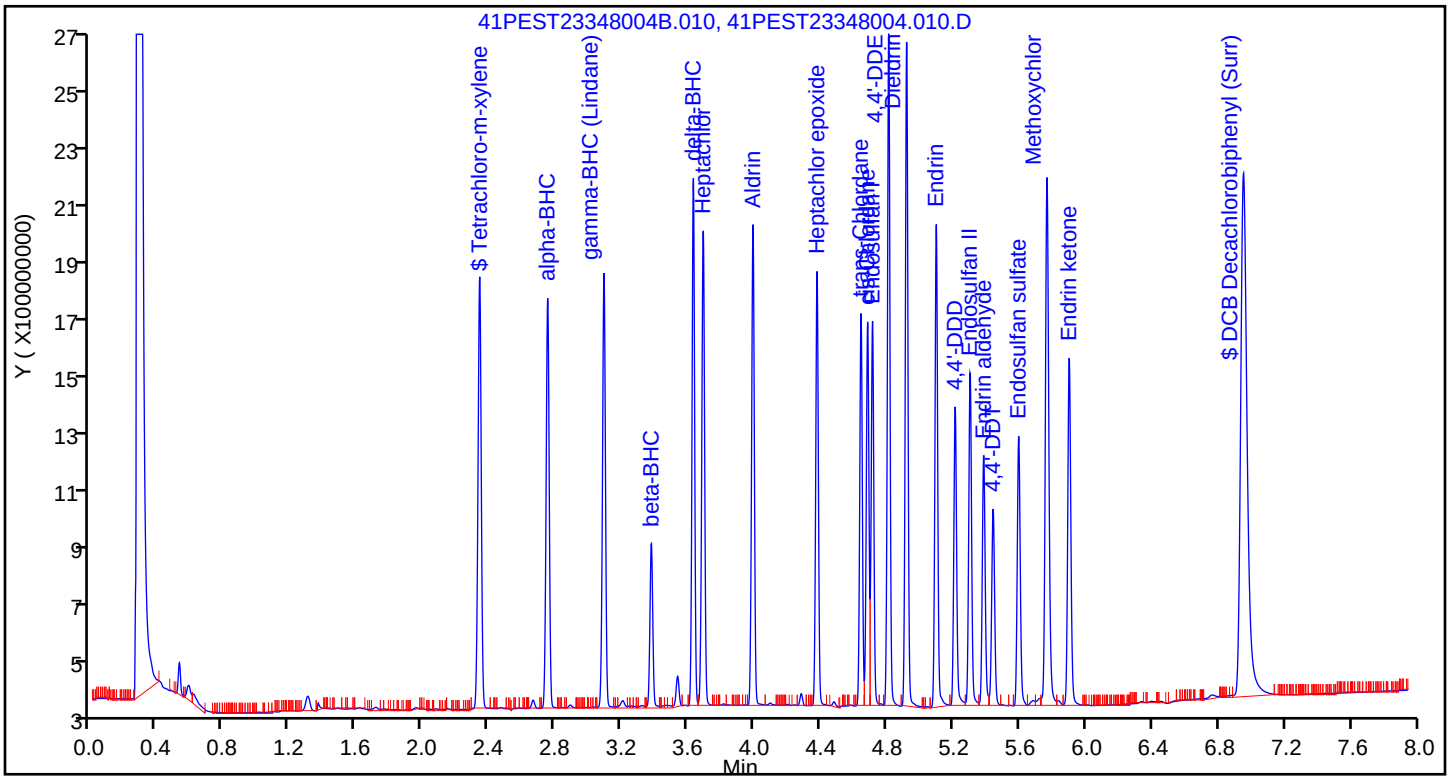
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.011.D
Lims ID: ic 5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Dec-2023 06:16:00 ALS Bottle#: 0 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 5
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:33:02 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.780	1.780	0.000	5009951013H	61.2	61.2	
2	2.338	2.342	-0.004	2208845031H	61.2	55.7	
						RPD = 9.42	
2 alpha-BHC							
1	2.367	2.367	0.000	1984393687H	15.2	15.6	
2	2.750	2.752	-0.002	2225916692H	15.2	15.3	
						RPD = 1.62	
4 gamma-BHC (Lindane)							
1	2.733	2.733	0.000	1907996241H	15.4	15.5	
2	3.088	3.092	-0.004	2217865775H	15.4	15.0	
						RPD = 3.00	
5 beta-BHC							
1	2.983	2.983	0.000	750125925H	15.4	14.1	
2	3.375	3.378	-0.003	817005220H	15.4	14.1	
						RPD = 0.59	
7 delta-BHC							
1	3.272	3.272	0.000	2119958225H	15.2	15.1	
2	3.628	3.632	-0.004	2815876127H	15.2	15.5	
						RPD = 2.67	
8 Heptachlor							
1	3.093	3.093	0.000	1665673264H	15.2	15.2	
2	3.688	3.692	-0.004	2477761885H	15.2	14.5	
						RPD = 4.28	
9 Aldrin							
1	3.403	3.403	0.000	1878190111H	15.2	15.0	
2	3.988	3.992	-0.004	2560454801H	15.2	14.8	
						RPD = 1.31	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.913	3.913	0.000	1801281894H	15.4	14.7	
2	4.375	4.378	-0.003	2272669211H	15.4	14.7	
						RPD = 0.04	
13 trans-Chlordane							
1	4.117	4.117	0.000	1933286532H	15.2	15.1	
2	4.642	4.643	-0.001	2012659002H	15.2	14.4	
						RPD = 4.60	
14 cis-Chlordane							
1	4.200	4.200	0.000	1912803403H	15.4	15.0	
2	4.682	4.683	-0.001	2005675957H	15.4	14.5	
						RPD = 3.24	
15 Endosulfan I							
1	4.245	4.245	0.000	1793577866H	15.4	15.2	
2	4.710	4.713	-0.003	1922856123H	15.4	14.2	
						RPD = 6.43	
16 4,4'-DDE							
1	4.377	4.377	0.000	4409380088H	30.6	31.1	
2	4.808	4.812	-0.004	3543640273H	30.6	29.9	
						RPD = 4.16	
18 Dieldrin							
1	4.483	4.483	0.000	4418479166H	30.4	31.8	
2	4.917	4.918	-0.001	3442418826H	30.4	29.1	
						RPD = 8.94	
19 Endrin							
1	4.737	4.737	0.000	3974968699H	30.4	31.5	
2	5.095	5.098	-0.003	2462452463H	30.4	27.9	
						RPD = 11.93	
22 4,4'-DDD							
1	4.838	4.838	0.000	3779996808H	30.4	31.5	
2	5.208	5.212	-0.004	1486681308H	30.4	26.9	
						RPD = 15.63	
23 Endosulfan II							
1	4.947	4.947	0.000	3893915015H	30.4	31.4	
2	5.298	5.302	-0.004	1629045374H	30.4	26.3	
						RPD = 17.77	
25 Endrin aldehyde							
1	5.120	5.120	0.000	3131926898H	30.4	30.8	
2	5.382	5.385	-0.003	1228997529H	30.4	26.4	
						RPD = 15.35	
26 4,4'-DDT							
1	5.048	5.048	0.000	3340366910H	30.4	31.7	
2	5.438	5.442	-0.004	972556755H	30.4	28.0	
						RPD = 12.27	
27 Endosulfan sulfate							
1	5.270	5.270	0.000	3578210185H	30.4	30.3	
2	5.593	5.595	-0.002	1344283630H	30.4	27.3	
						RPD = 10.40	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.547	5.547	0.000	8398018942H	153.1	155.8	
2	5.763	5.767	-0.004	2654518306H	153.1	144.5	
						RPD = 7.52	
29 Endrin ketone							
1	5.707	5.707	0.000	4190084199H	30.6	30.8	
2	5.898	5.900	-0.002	1750779963H	30.6	29.5	
						RPD = 4.10	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.457	6.455	0.002	7347312157H	61.3	60.6	
2	6.950	6.953	-0.003	2667714347H	61.3	58.3	
						RPD = 3.98	
S 32 Total DDTs							
1						31.7	
2						28.0	
						RPD = 12.27	
S 33 Endosulfan, Total							
1						46.6	
2						40.5	
						RPD = 13.94	

Reagents:

GCS_MIXA5_00014 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:33:02 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.011.D

Injection Date: 19-Dec-2023 06:16:00 Instrument ID: 9147

Lims ID: ic 5

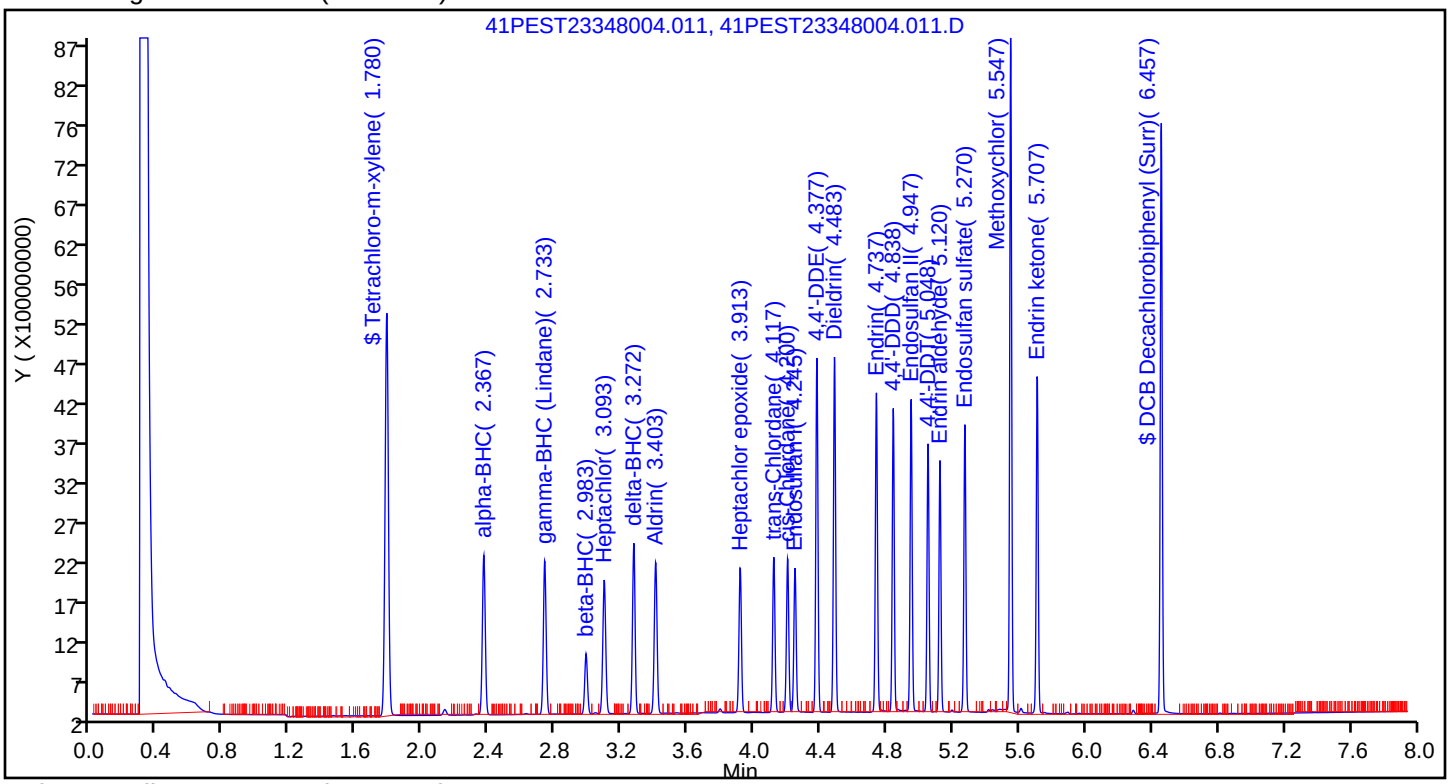
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 11

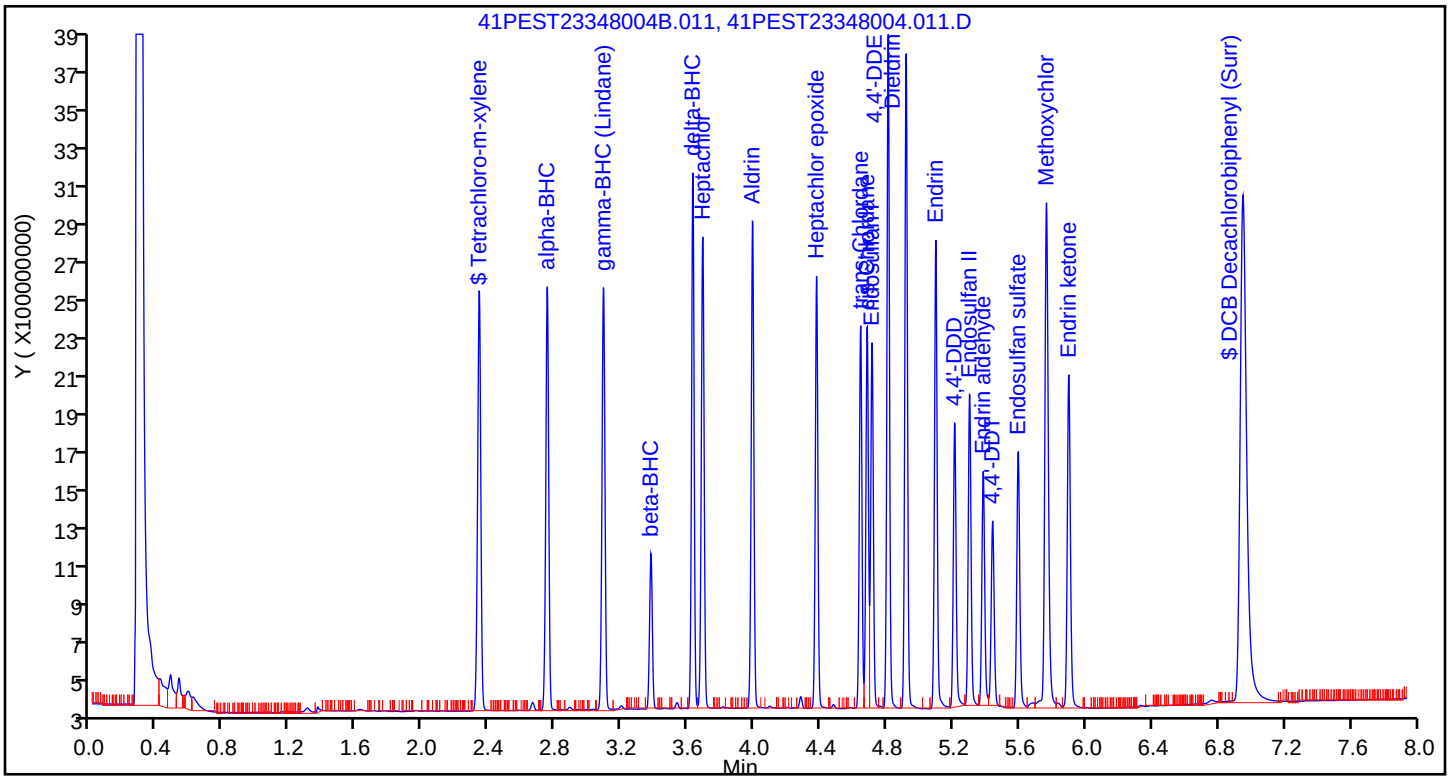
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D
Lims ID: ic 6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Dec-2023 06:31:00 ALS Bottle#: 0 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ic 6
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub5

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 08:33:06 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.780	1.780	0.000	6600860347H	80.5	80.7	
2	2.338	2.342	-0.004	2821397100H	80.5	71.2	
						RPD = 12.52	
2 alpha-BHC							
1	2.367	2.367	0.000	2595858132H	20.0	20.3	
2	2.748	2.752	-0.004	3007143687H	20.0	20.7	
						RPD = 1.60	
4 gamma-BHC (Lindane)							
1	2.735	2.733	0.002	2548641938H	20.3	20.7	
2	3.088	3.092	-0.004	3041465823H	20.3	20.6	
						RPD = 0.37	
5 beta-BHC							
1	2.985	2.983	0.002	986688241H	20.3	18.6	
2	3.375	3.378	-0.003	1047060183H	20.3	18.0	
						RPD = 3.20	
7 delta-BHC							
1	3.273	3.272	0.001	2835938796H	20.0	20.2	
2	3.628	3.632	-0.004	3842317745H	20.0	21.1	
						RPD = 4.65	
8 Heptachlor							
1	3.095	3.093	0.002	2151240316H	20.0	19.6	
2	3.688	3.692	-0.004	3376648431H	20.0	19.8	
						RPD = 1.09	
9 Aldrin							
1	3.405	3.403	0.002	2467030963H	20.0	19.8	
2	3.988	3.992	-0.004	3444046360H	20.0	20.0	
						RPD = 1.06	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.915	3.913	0.002	2444368517H	20.3	19.9	
2	4.375	4.378	-0.003	2988449613H	20.3	19.3	
						RPD = 3.18	
13 trans-Chlordane							
1	4.118	4.117	0.001	2535112098H	20.0	19.7	
2	4.640	4.643	-0.003	2686477987H	20.0	19.2	
						RPD = 2.83	
14 cis-Chlordane							
1	4.202	4.200	0.002	2528528833H	20.3	19.8	
2	4.680	4.683	-0.003	2609567662H	20.3	18.9	
						RPD = 4.83	
15 Endosulfan I							
1	4.247	4.245	0.002	2309072242H	20.3	19.5	
2	4.710	4.713	-0.003	2563011129H	20.3	19.0	
						RPD = 2.96	
16 4,4'-DDE							
1	4.378	4.377	0.001	5783685639H	40.3	40.8	
2	4.807	4.812	-0.005	4692396943H	40.3	39.5	
						RPD = 3.21	
18 Dieldrin							
1	4.485	4.483	0.002	5728032193H	40.0	41.2	
2	4.915	4.918	-0.003	4502174386H	40.0	38.0	
						RPD = 8.06	
19 Endrin							
1	4.737	4.737	0.000	5098399361H	40.0	40.4	
2	5.093	5.098	-0.005	3111633233H	40.0	35.3	
						RPD = 13.42	
22 4,4'-DDD							
1	4.840	4.838	0.002	5003689020H	40.0	41.7	
2	5.208	5.212	-0.004	1925338116H	40.0	34.9	
						RPD = 17.81	
23 Endosulfan II							
1	4.947	4.947	0.000	4983067304H	40.0	40.2	
2	5.298	5.302	-0.004	2092055609H	40.0	33.8	
						RPD = 17.42	
25 Endrin aldehyde							
1	5.122	5.120	0.002	4064199417H	40.0	40.0	
2	5.380	5.385	-0.005	1530775158H	40.0	32.9	
						RPD = 19.42	
26 4,4'-DDT							
1	5.048	5.048	0.000	4614904787H	40.0	43.8	
2	5.437	5.442	-0.005	1251919669H	40.0	36.1	
						RPD = 19.30	
27 Endosulfan sulfate							
1	5.272	5.270	0.002	4817984702H	40.0	40.8	
2	5.592	5.595	-0.003	1683650003H	40.0	34.2	
						RPD = 17.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.548	5.547	0.001	10375650263H	201.5	192.5	
2	5.762	5.767	-0.005	3442987033H	201.5	187.5	
						RPD = 2.67	
29 Endrin ketone							
1	5.708	5.707	0.001	5457088909H	40.3	40.1	
2	5.897	5.900	-0.003	2297560021H	40.3	38.8	
						RPD = 3.34	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.457	6.455	0.002	9776590249H	80.7	80.7	
2	6.948	6.953	-0.005	3466596844H	80.7	75.7	
						RPD = 6.35	
S 32 Total DDTs							
1						43.8	
2						36.1	
						RPD = 19.30	
S 33 Endosulfan, Total							
1						59.7	
2						52.7	
						RPD = 12.47	

Reagents:

GCS_MIXA6_00010 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 08:33:07 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Injection Date: 19-Dec-2023 06:31:00 Instrument ID: 9147

Lims ID: ic 6

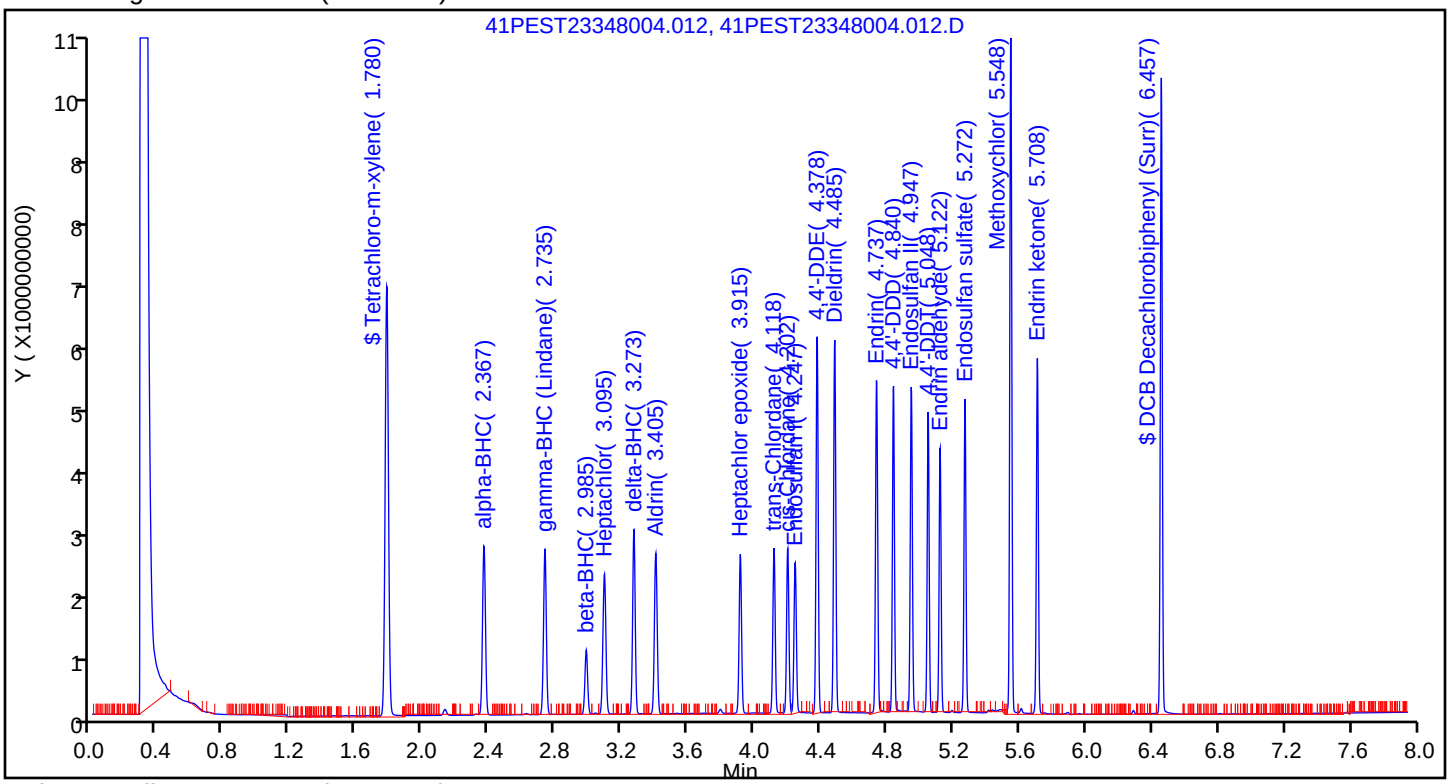
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 12

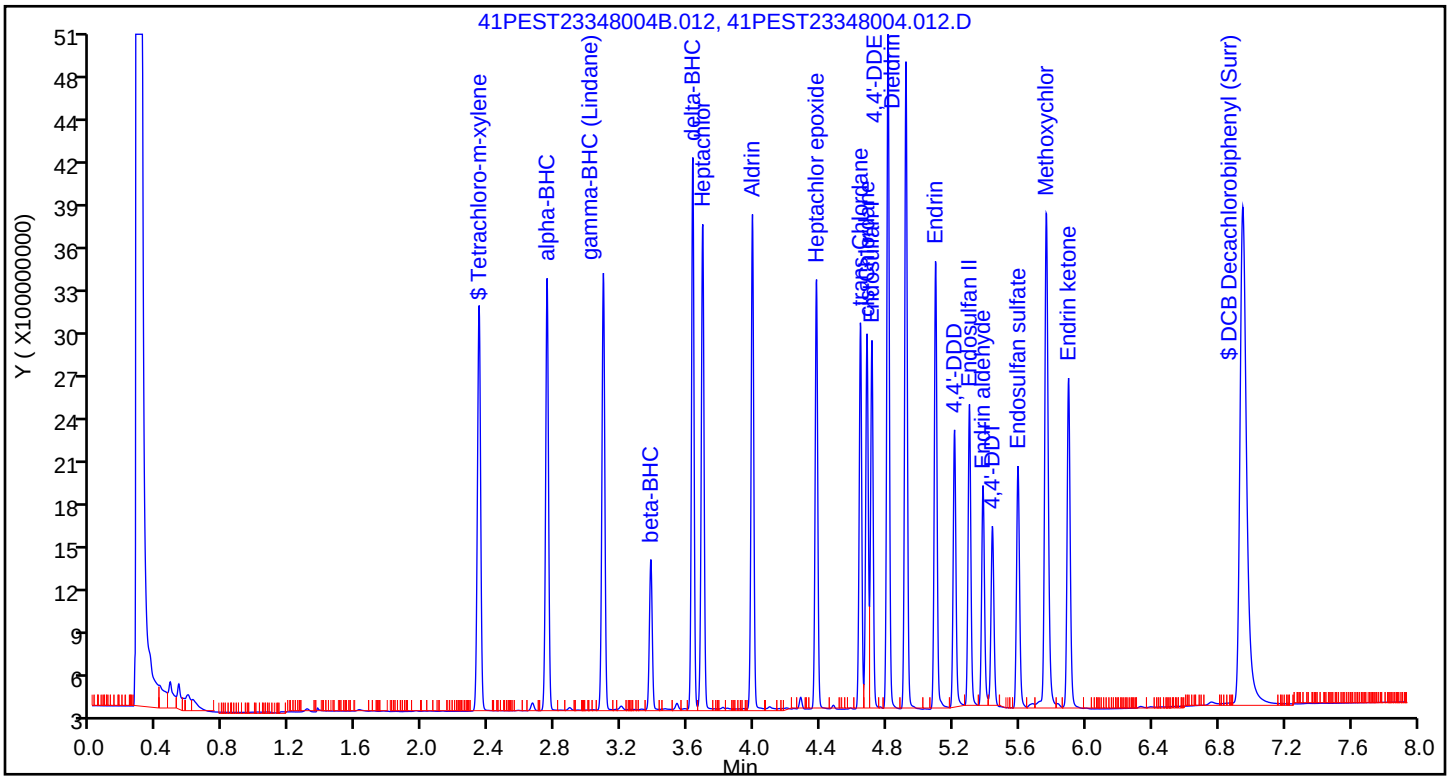
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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

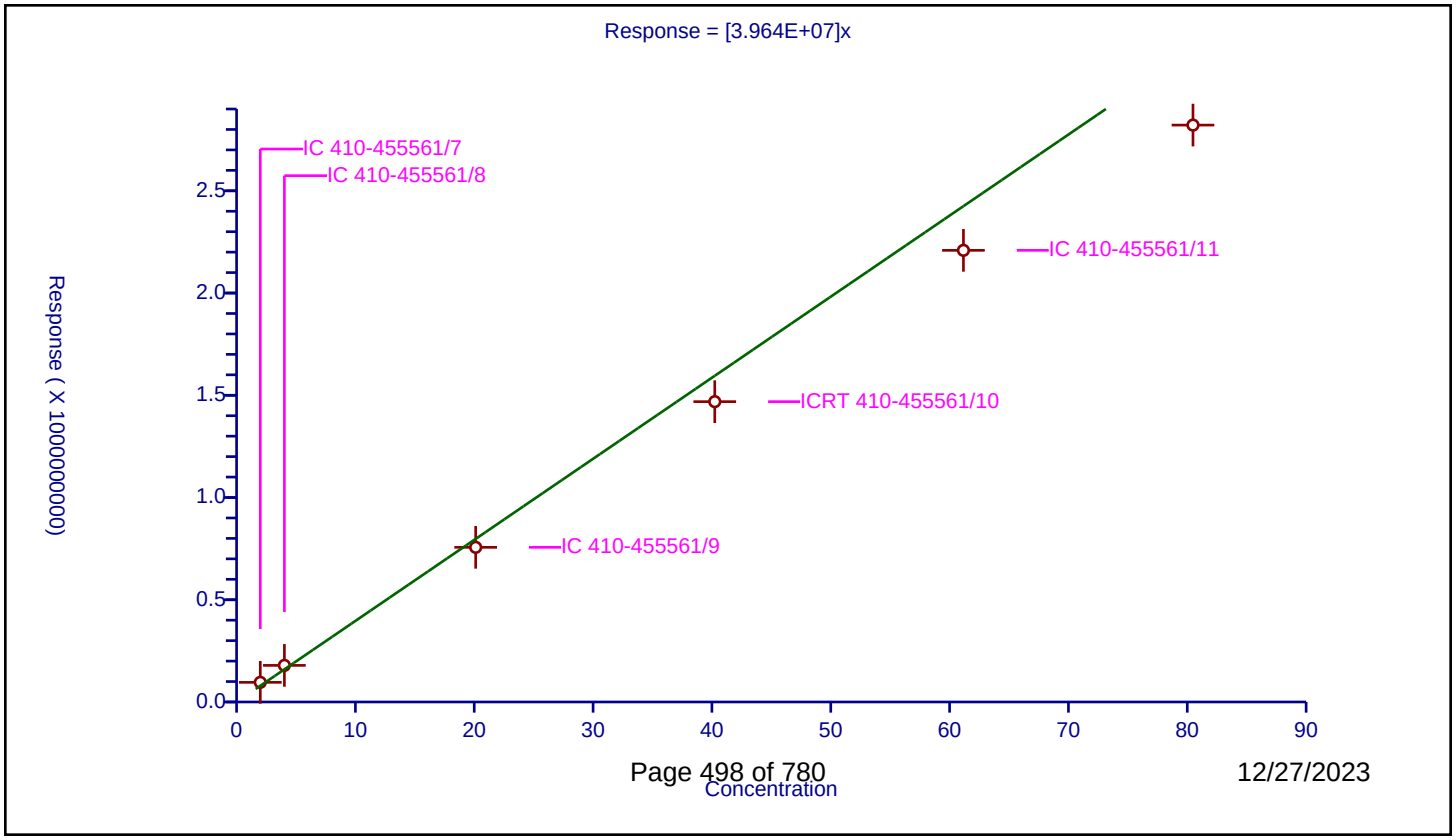
Curve Coefficients

Intercept:	0
Slope:	3.964E+07

Error Coefficients

Standard Error:	201000000
Relative Standard Error:	13.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	1.995904	96084814.0			48140999.767524	Y
2	IC 410-455561/8	4.024	178934685.0			44466870.029821	Y
3	IC 410-455561/9	20.12	756306054.0			37589764.115308	Y
4	ICRT 410-455561/10	40.24	1468809522.0			36501230.666004	Y
5	IC 410-455561/11	61.1648	2208845031.0			36113009.950167	Y
6	IC 410-455561/12	80.48	2821397100.0			35057121.023857	Y



Calibration / alpha-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

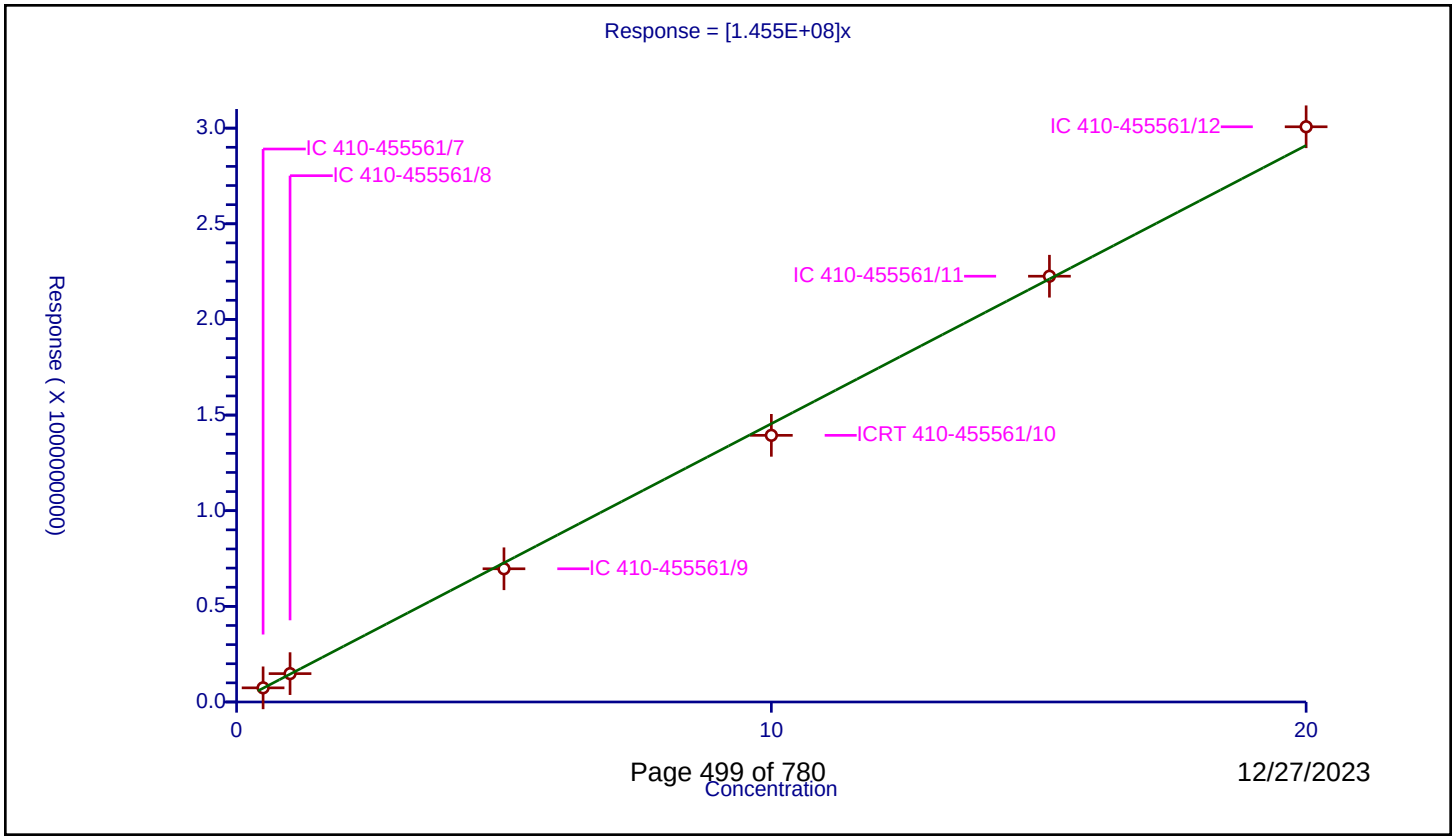
Curve Coefficients

Intercept:	0
Slope:	1.455E+08

Error Coefficients

Standard Error:	53600000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.496	74014392.0			149222564.516129	Y
2	IC 410-455561/8	1.0	148203608.0			148203608.0	Y
3	IC 410-455561/9	5.0	696446179.0			139289235.8	Y
4	ICRT 410-455561/10	10.0	1394014167.0			139401416.7	Y
5	IC 410-455561/11	15.2	2225916692.0			146441887.631579	Y
6	IC 410-455561/12	20.0	3007143687.0			150357184.35	Y



12/27/2023

Calibration / gamma-BHC (Lindane)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

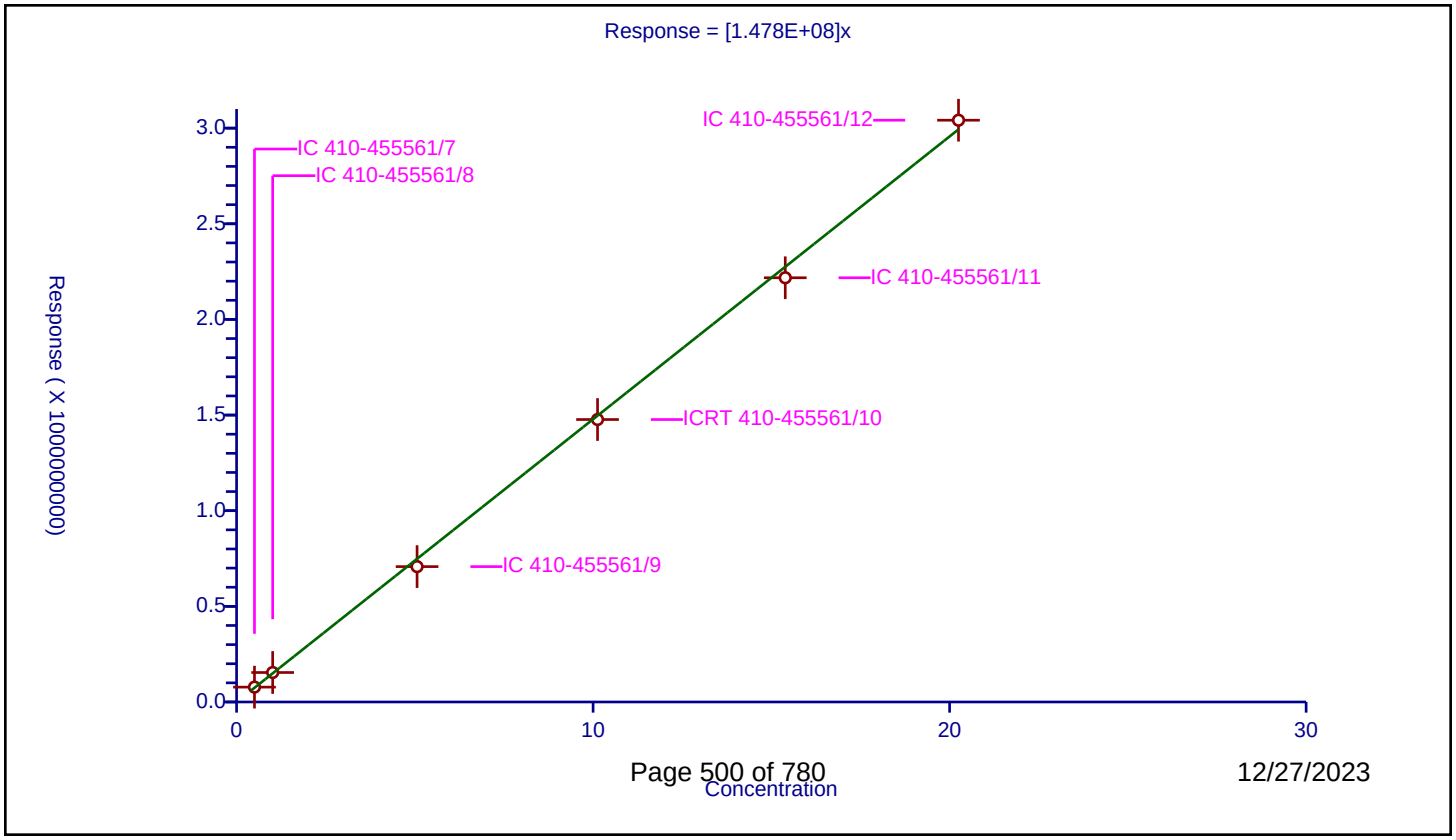
Curve Coefficients

Intercept:	0
Slope:	1.478E+08

Error Coefficients

Standard Error:	39100000
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 410-455561/7	0.5022	77725084.0			154769183.592194	Y
2	IC 410-455561/8	1.0125	154143761.0			152240751.604938	Y
3	IC 410-455561/9	5.0625	707706459.0			139793868.444444	Y
4	ICRT 410-455561/10	10.125	1476660051.0			145842968.0	Y
5	IC 410-455561/11	15.39	2217865775.0			144110836.582196	Y
6	IC 410-455561/12	20.25	3041465823.0			150195843.111111	Y



Calibration / beta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

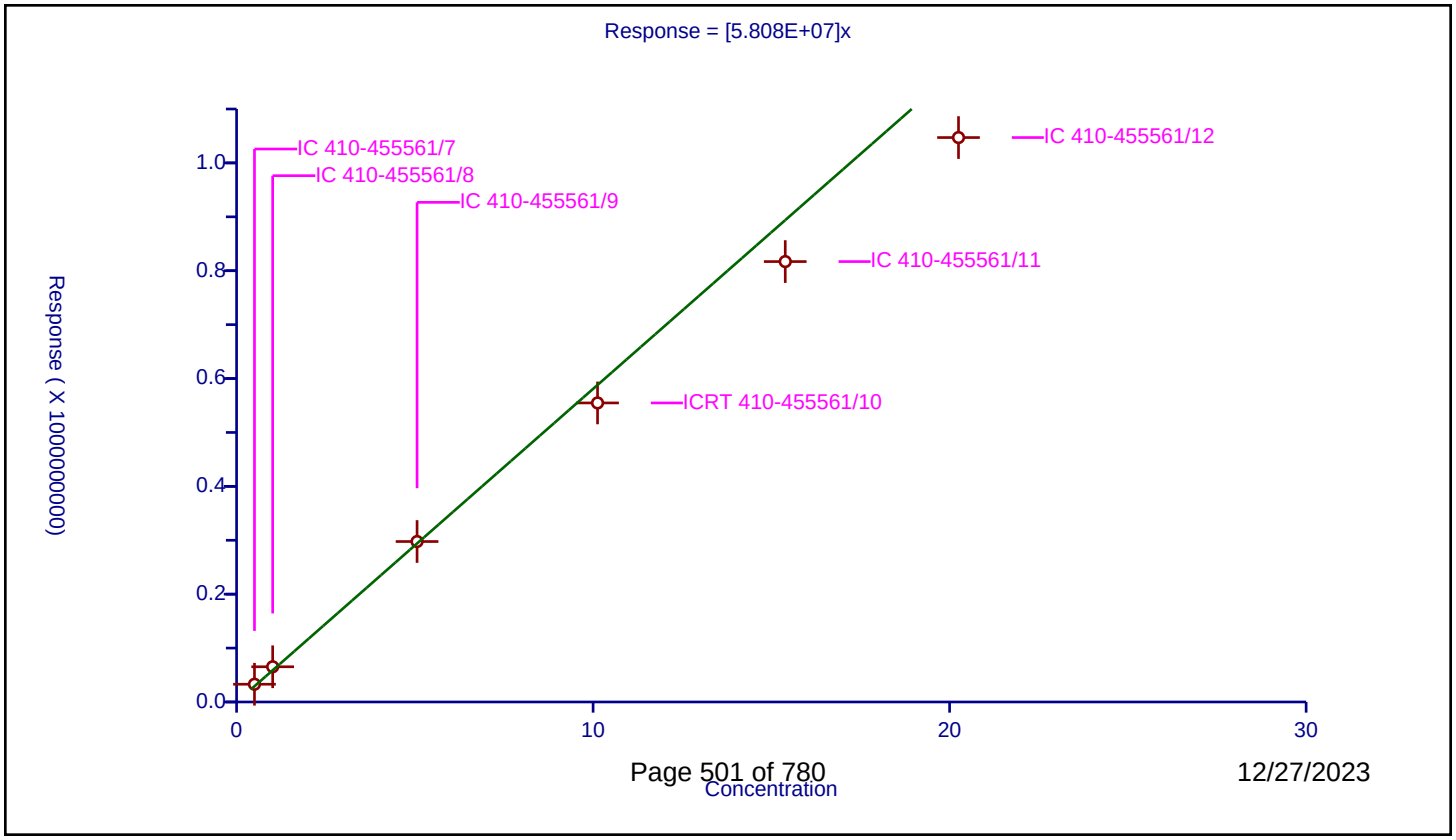
Curve Coefficients

Intercept:	0
Slope:	5.808E+07

Error Coefficients

Standard Error:	69000000
Relative Standard Error:	10.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.5022	32944555.0			65600467.941059	Y
2	IC 410-455561/8	1.0125	65325659.0			64519169.382716	Y
3	IC 410-455561/9	5.0625	297660938.0			58797222.320988	Y
4	ICRT 410-455561/10	10.125	554783565.0			54793438.518519	Y
5	IC 410-455561/11	15.39	817005220.0			53086758.934373	Y
6	IC 410-455561/12	20.25	1047060183.0			51706675.703704	Y



12/27/2023

Calibration / delta-BHC

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

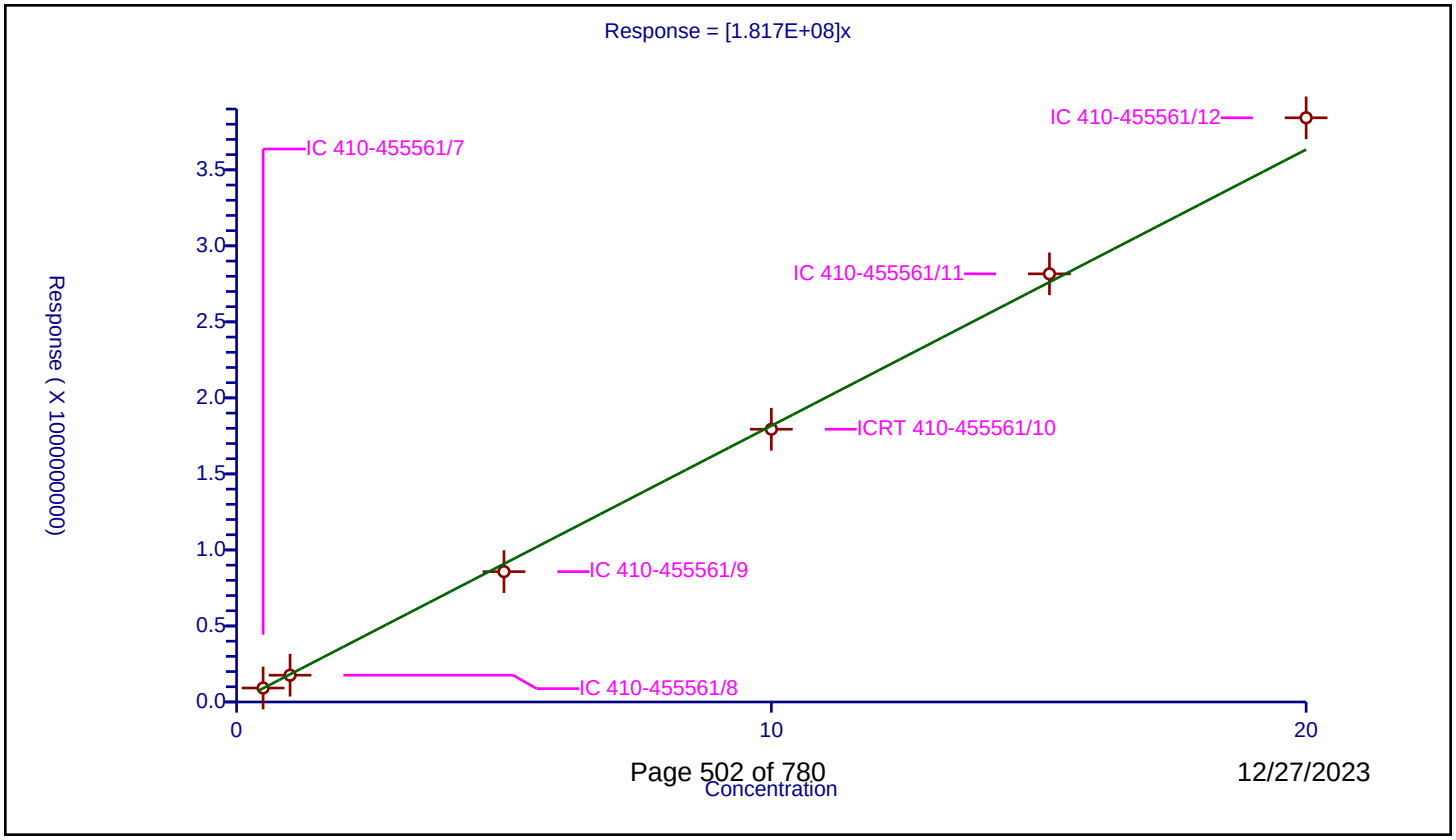
Curve Coefficients

Intercept:	0
Slope:	1.817E+08

Error Coefficients

Standard Error:	99800000
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 410-455561/7	0.496	92055745.0			185596260.080645	Y
2	IC 410-455561/8	1.0	176192625.0			176192625.0	Y
3	IC 410-455561/9	5.0	857367771.0			171473554.2	Y
4	ICRT 410-455561/10	10.0	1793943434.0			179394343.4	Y
5	IC 410-455561/11	15.2	2815876127.0			185255008.355263	Y
6	IC 410-455561/12	20.0	3842317745.0			192115887.25	Y



Calibration / Heptachlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

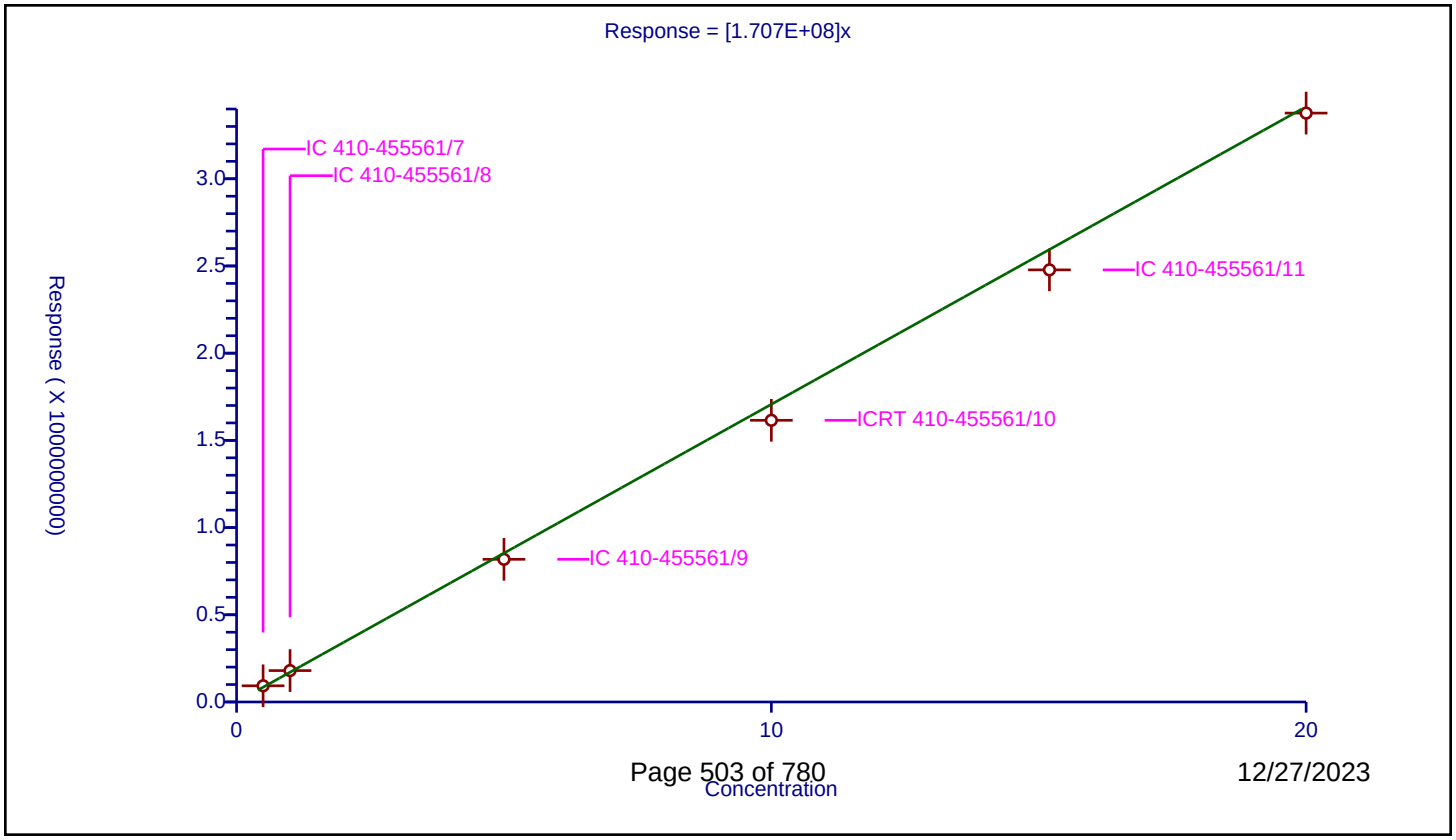
Curve Coefficients

Intercept:	0
Slope:	1.707E+08

Error Coefficients

Standard Error:	70400000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.496	92842354.0			187182165.322581	Y
2	IC 410-455561/8	1.0	179970405.0			179970405.0	Y
3	IC 410-455561/9	5.0	818036180.0			163607236.0	Y
4	ICRT 410-455561/10	10.0	1615134546.0			161513454.6	Y
5	IC 410-455561/11	15.2	2477761885.0			163010650.328947	Y
6	IC 410-455561/12	20.0	3376648431.0			168832421.55	Y



Calibration / Aldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

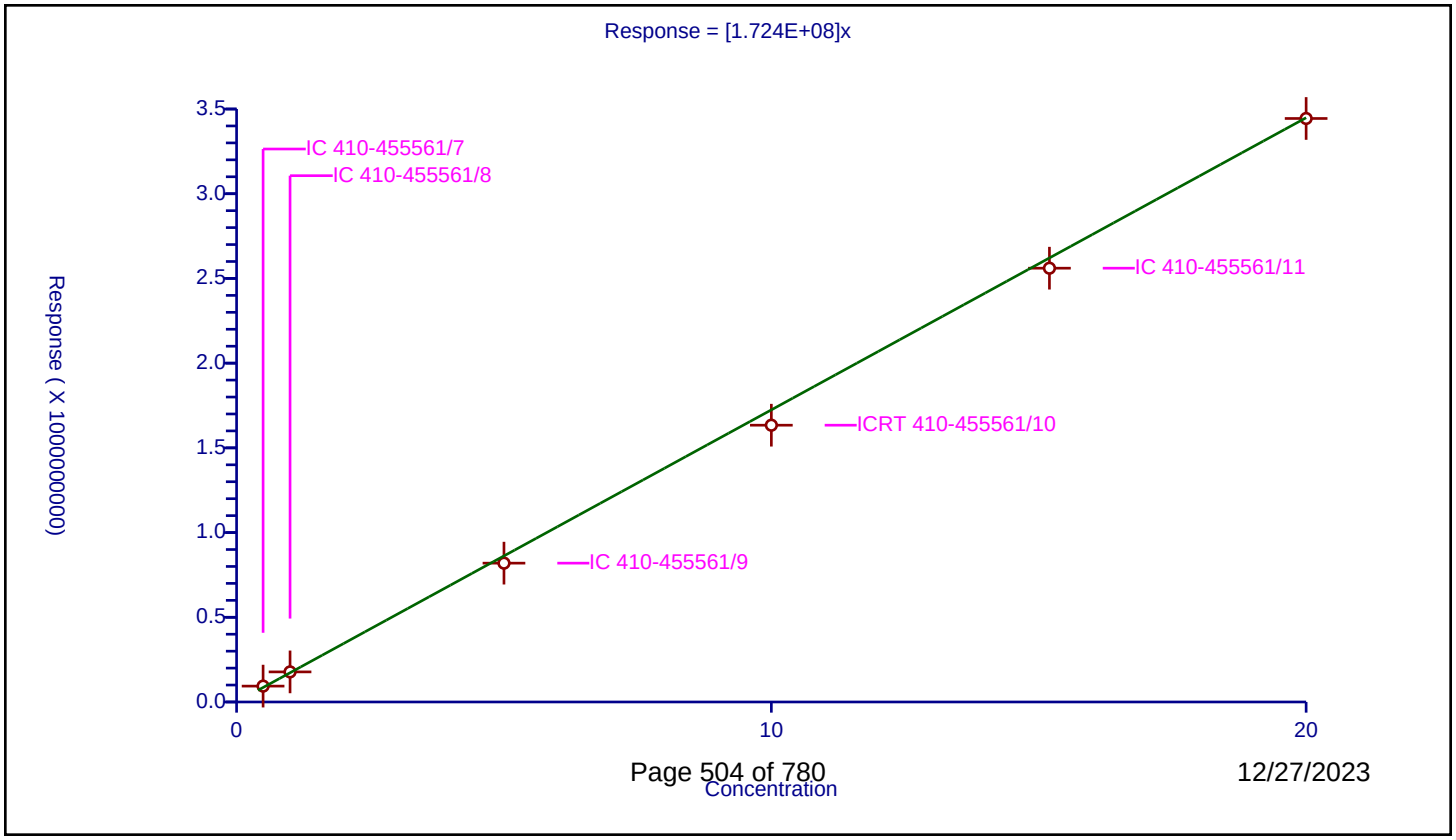
Curve Coefficients

Intercept:	0
Slope:	1.724E+08

Error Coefficients

Standard Error:	52500000
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 410-455561/7	0.496	93751038.0			189014189.516129	Y
2	IC 410-455561/8	1.0	177628056.0			177628056.0	Y
3	IC 410-455561/9	5.0	819515756.0			163903151.2	Y
4	ICRT 410-455561/10	10.0	1633781355.0			163378135.5	Y
5	IC 410-455561/11	15.2	2560454801.0			168450973.75	Y
6	IC 410-455561/12	20.0	3444046360.0			172202318.0	Y



Calibration / Heptachlor epoxide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

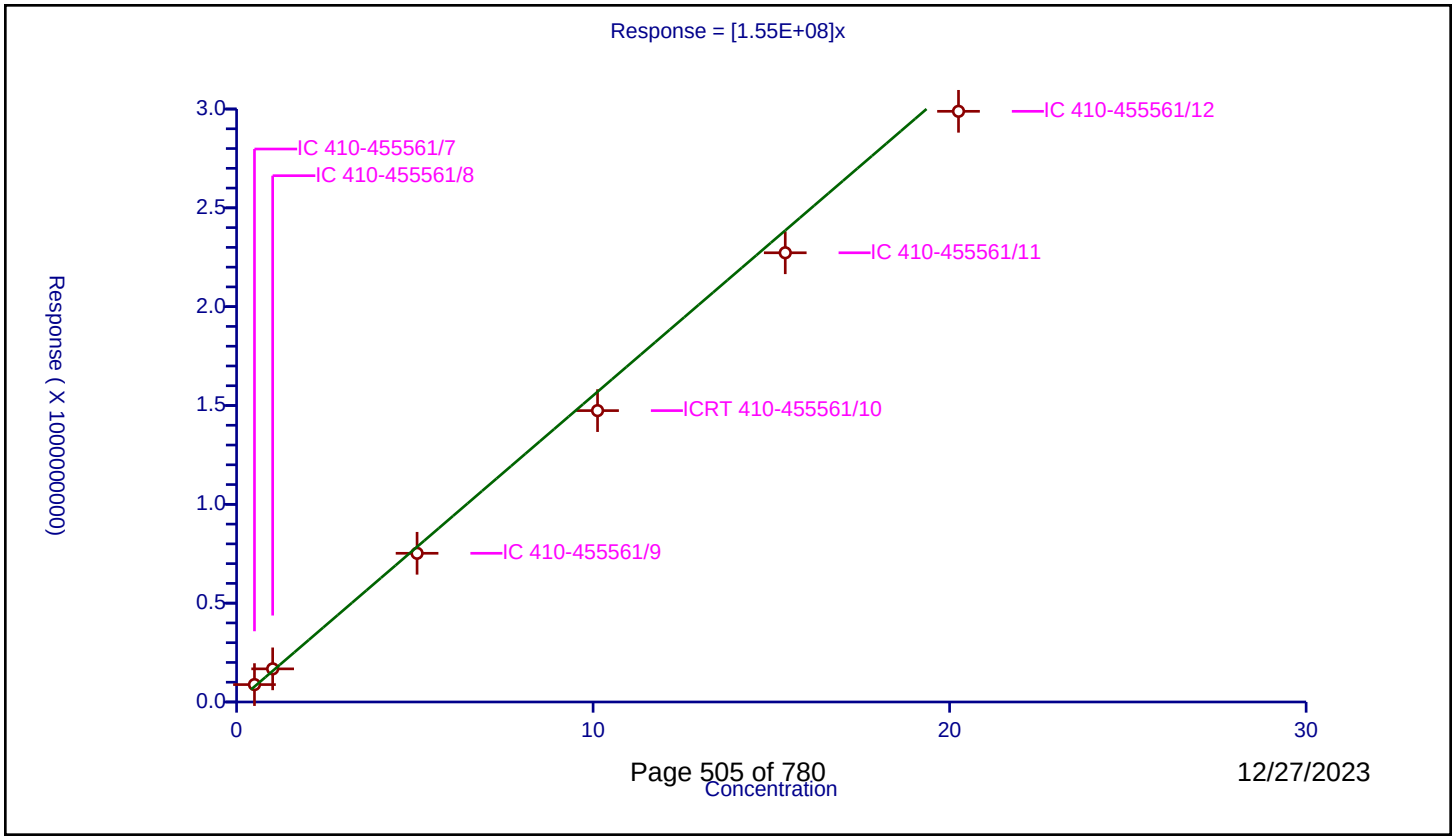
Curve Coefficients

Intercept:	0
Slope:	1.55E+08

Error Coefficients

Standard Error:	95800000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.5022	87966762.0			175162807.646356	Y
2	IC 410-455561/8	1.0125	167567631.0			165498894.814815	Y
3	IC 410-455561/9	5.0625	752289798.0			148600453.925926	Y
4	ICRT 410-455561/10	10.125	1474180708.0			145598094.617284	Y
5	IC 410-455561/11	15.39	2272669211.0			147671813.580247	Y
6	IC 410-455561/12	20.25	2988449613.0			147577758.666667	Y



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Calibration / trans-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

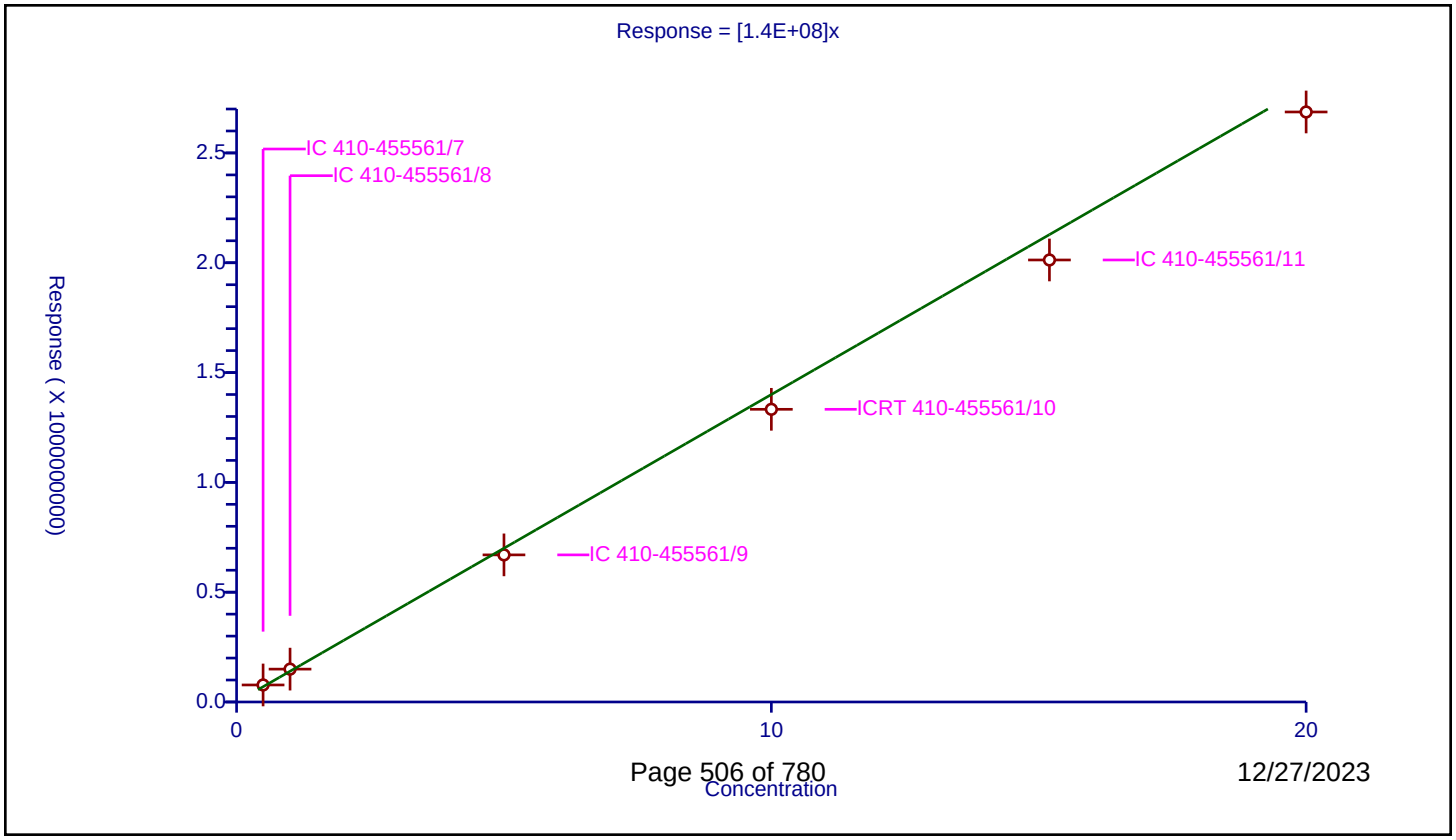
Curve Coefficients

Intercept:	0
Slope:	1.4E+08

Error Coefficients

Standard Error:	79800000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.496	77568780.0			156388669.354839	Y
2	IC 410-455561/8	1.0	149689467.0			149689467.0	Y
3	IC 410-455561/9	5.0	669839297.0			133967859.4	Y
4	ICRT 410-455561/10	10.0	1332654988.0			133265498.8	Y
5	IC 410-455561/11	15.2	2012659002.0			132411776.447368	Y
6	IC 410-455561/12	20.0	2686477987.0			134323899.35	Y



Calibration / cis-Chlordane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

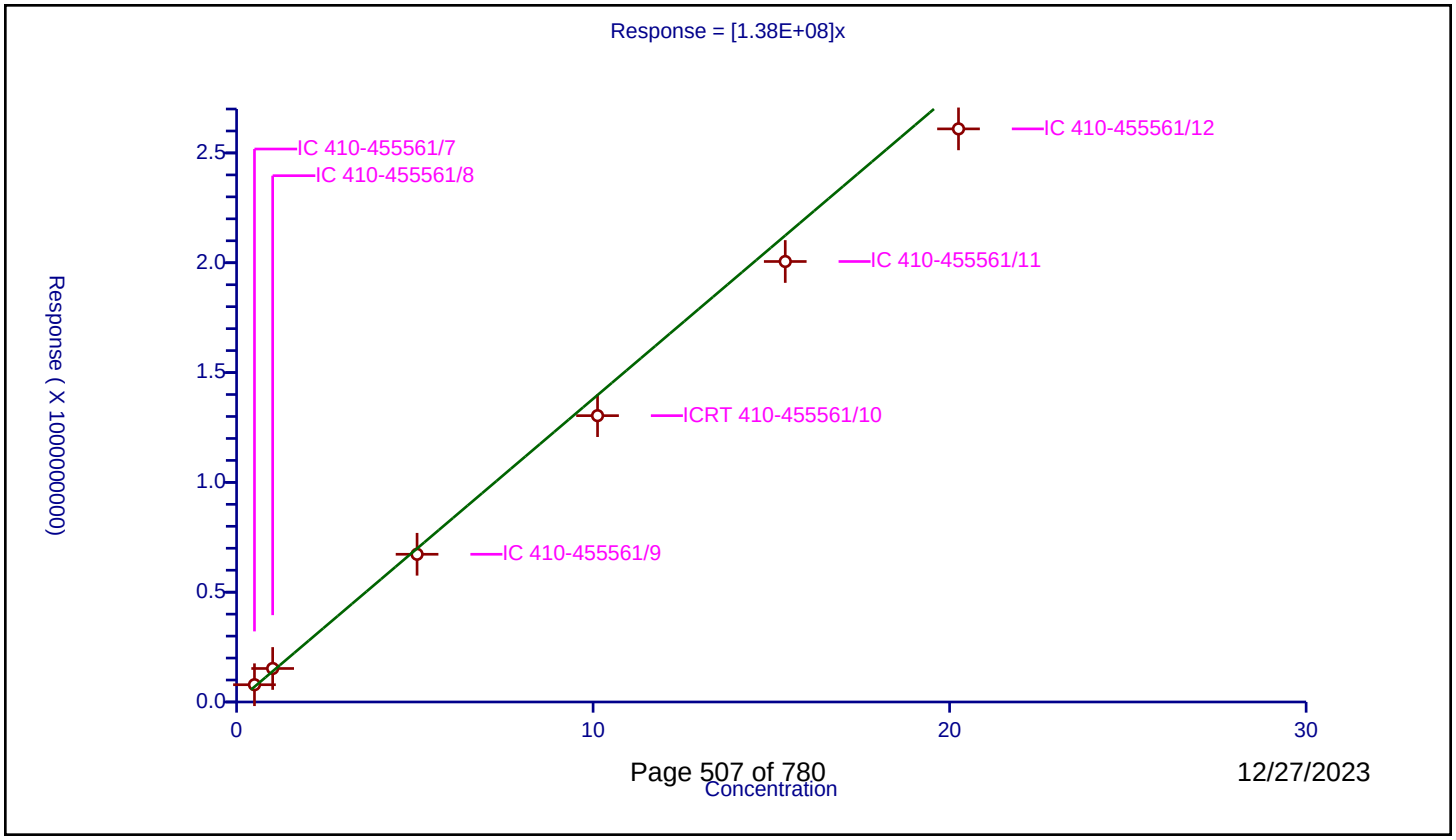
Curve Coefficients

Intercept:	0
Slope:	1.38E+08

Error Coefficients

Standard Error:	108000000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.5022	78666812.0			156644388.689765	Y
2	IC 410-455561/8	1.0125	152556114.0			150672705.185185	Y
3	IC 410-455561/9	5.0625	672654780.0			132870080.0	Y
4	ICRT 410-455561/10	10.125	1303774010.0			128767803.45679	Y
5	IC 410-455561/11	15.39	2005675957.0			130323324.041585	Y
6	IC 410-455561/12	20.25	2609567662.0			128867538.864198	Y



Calibration / Endosulfan I

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

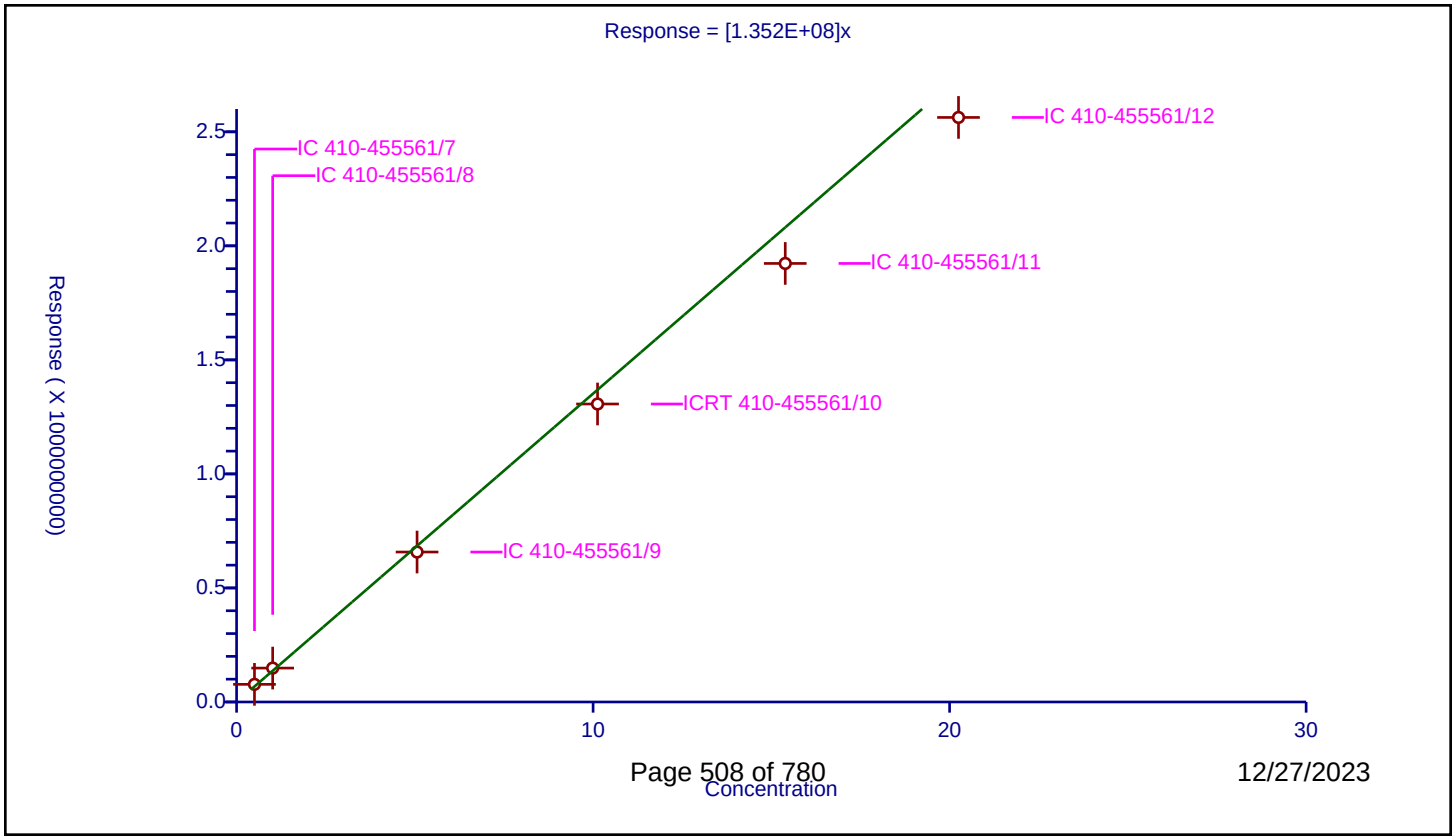
Curve Coefficients

Intercept:	0
Slope:	1.352E+08

Error Coefficients

Standard Error:	110000000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.5022	77291203.0			153905223.018718	Y
2	IC 410-455561/8	1.0125	148718670.0			146882637.037037	Y
3	IC 410-455561/9	5.0625	657579431.0			129892233.283951	Y
4	ICRT 410-455561/10	10.125	1306530180.0			129040017.777778	Y
5	IC 410-455561/11	15.39	1922856123.0			124941918.323587	Y
6	IC 410-455561/12	20.25	2563011129.0			126568450.814815	Y



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Calibration / 4,4'-DDE

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

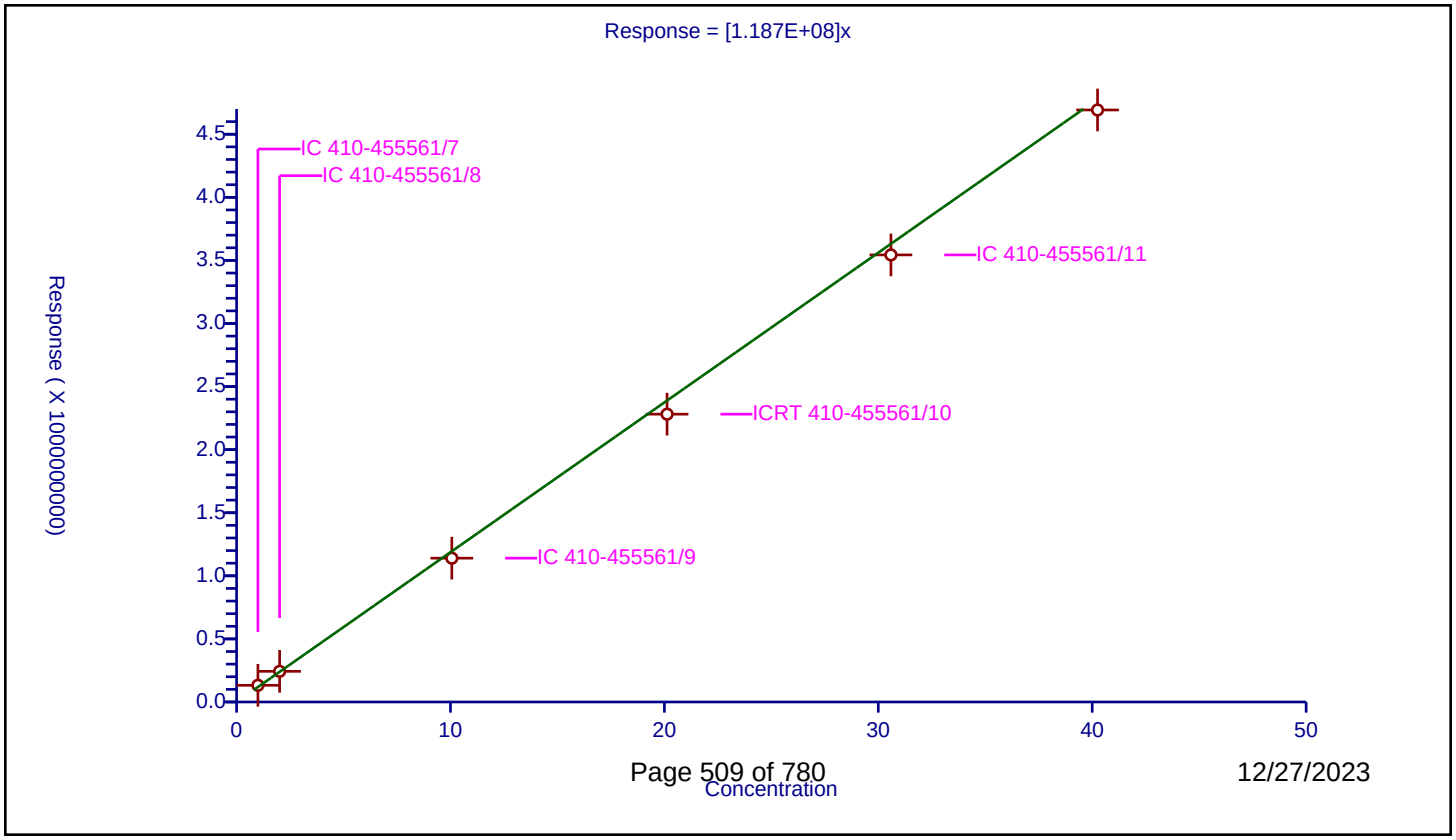
Curve Coefficients

Intercept:	0
Slope:	1.187E+08

Error Coefficients

Standard Error:	77300000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.9982	132262272.0			132500773.392106	Y
2	IC 410-455561/8	2.0125	242925556.0			120708350.807453	Y
3	IC 410-455561/9	10.0625	1139906038.0			113282587.627329	Y
4	ICRT 410-455561/10	20.125	2281341245.0			113358571.180124	Y
5	IC 410-455561/11	30.59	3543640273.0			115843094.900294	Y
6	IC 410-455561/12	40.25	4692396943.0			116581290.509317	Y



Calibration / Dieldrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

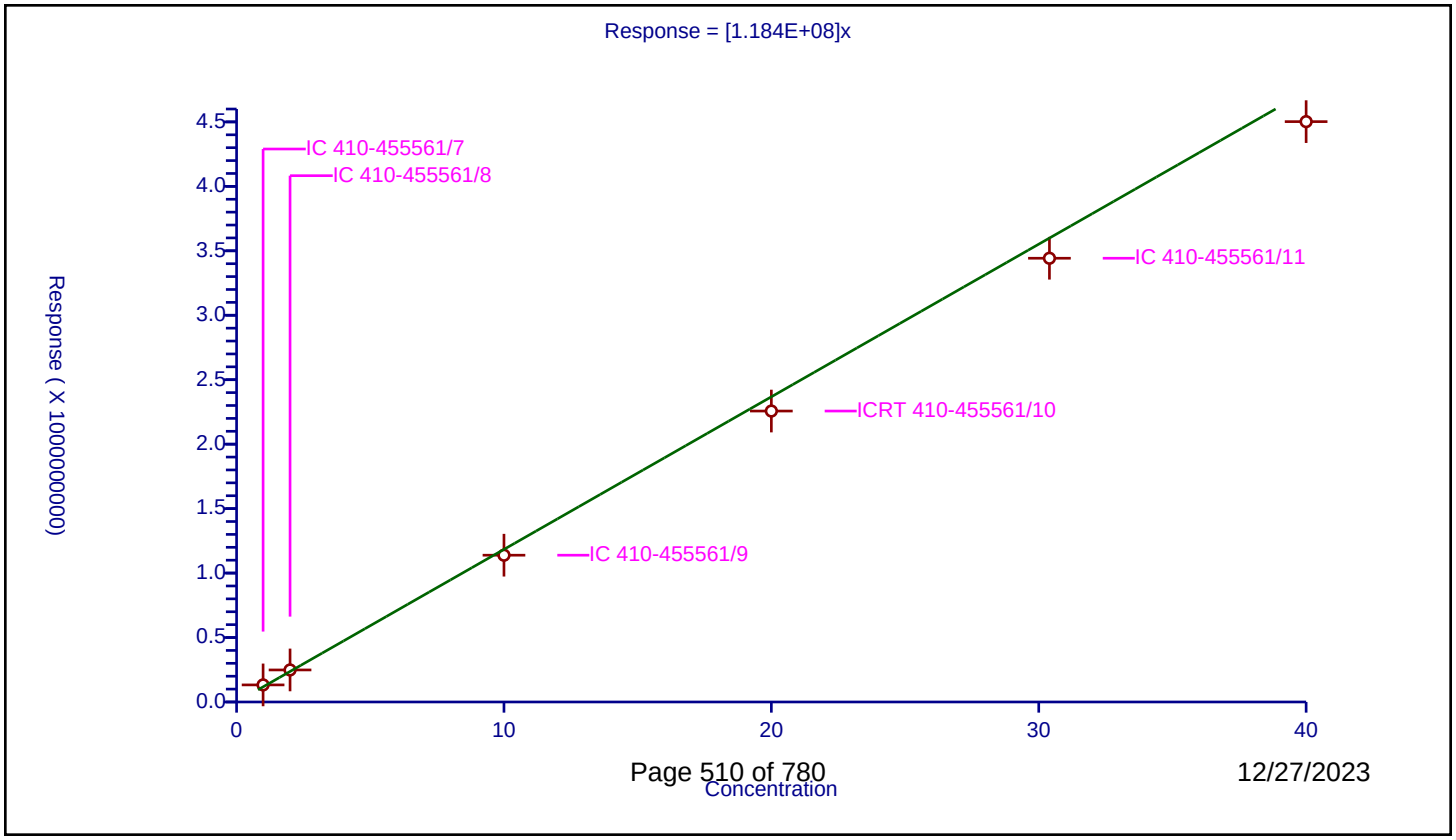
Curve Coefficients

Intercept:	0
Slope:	1.184E+08

Error Coefficients

Standard Error:	137000000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	132411780.0			133479616.935484	Y
2	IC 410-455561/8	2.0	248559417.0			124279708.5	Y
3	IC 410-455561/9	10.0	1138627969.0			113862796.9	Y
4	ICRT 410-455561/10	20.0	2257123536.0			112856176.8	Y
5	IC 410-455561/11	30.4	3442418826.0			113237461.381579	Y
6	IC 410-455561/12	40.0	4502174386.0			112554359.65	Y



Calibration / Endrin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

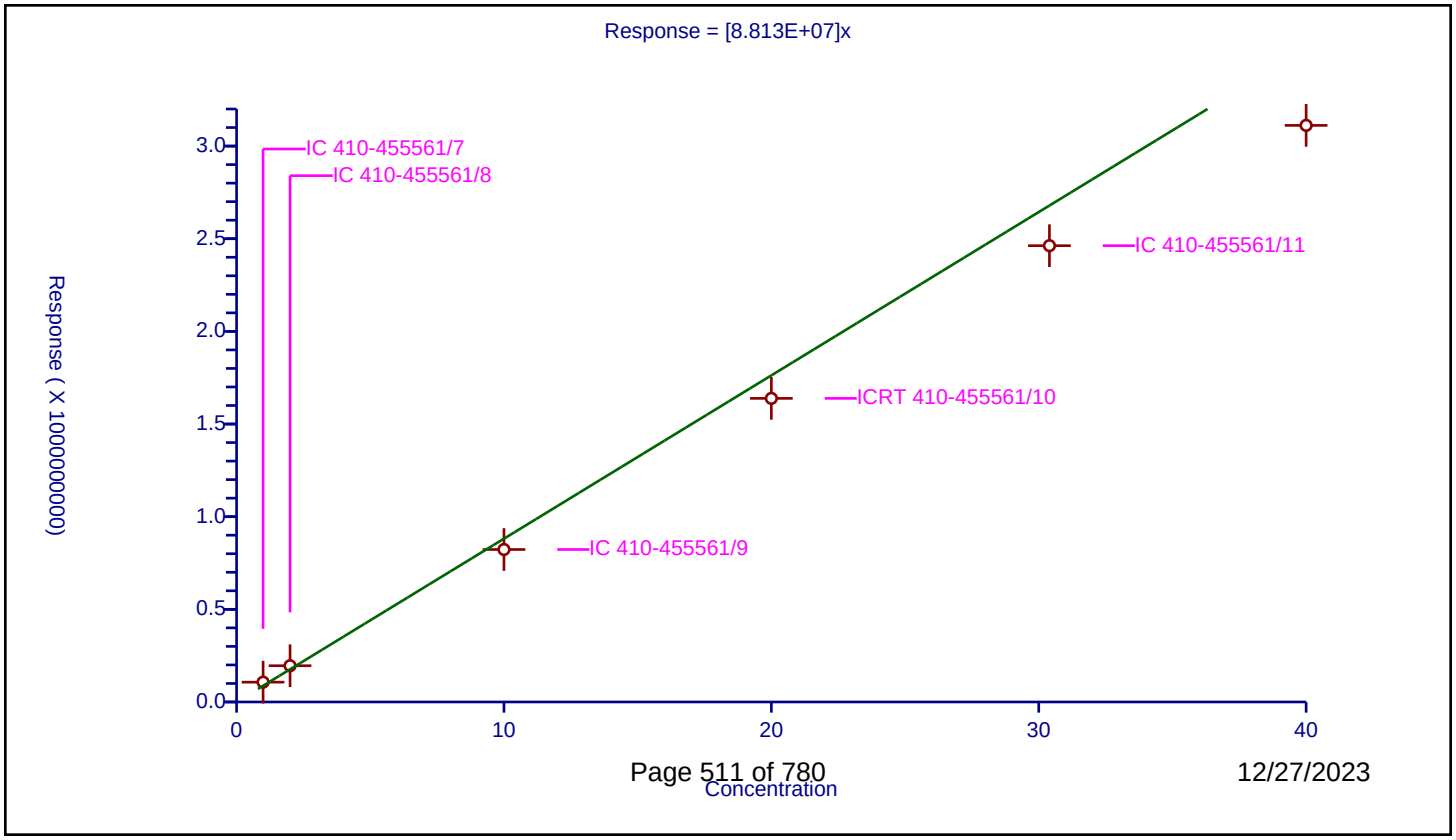
Curve Coefficients

Intercept:	0
Slope:	8.813E+07

Error Coefficients

Standard Error:	218000000
Relative Standard Error:	13.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	107035619.0			107898809.475806	Y
2	IC 410-455561/8	2.0	195712730.0			97856365.0	Y
3	IC 410-455561/9	10.0	822895180.0			82289518.0	Y
4	ICRT 410-455561/10	20.0	1638477140.0			81923857.0	Y
5	IC 410-455561/11	30.4	2462452463.0			81001725.756579	Y
6	IC 410-455561/12	40.0	3111633233.0			77790830.825	Y



Calibration / 4,4'-DDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

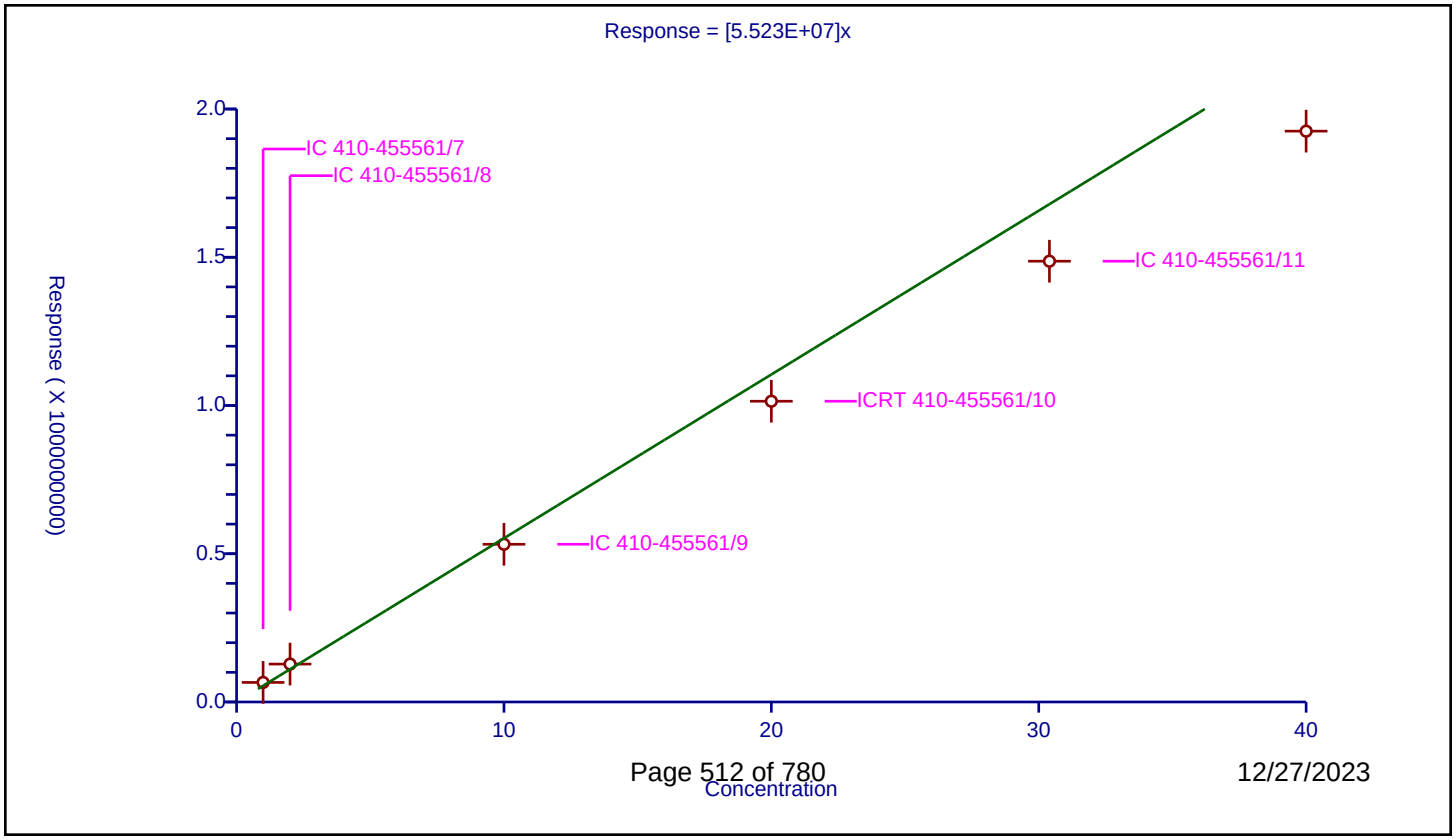
Curve Coefficients

Intercept:	0
Slope:	5.523E+07

Error Coefficients

Standard Error:	159000000
Relative Standard Error:	14.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.966

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	65975413.0			66507472.782258	Y
2	IC 410-455561/8	2.0	127855870.0			63927935.0	Y
3	IC 410-455561/9	10.0	531963186.0			53196318.6	Y
4	ICRT 410-455561/10	20.0	1014428781.0			50721439.05	Y
5	IC 410-455561/11	30.4	1486681308.0			48903990.394737	Y
6	IC 410-455561/12	40.0	1925338116.0			48133452.9	Y



Calibration / Endosulfan II

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

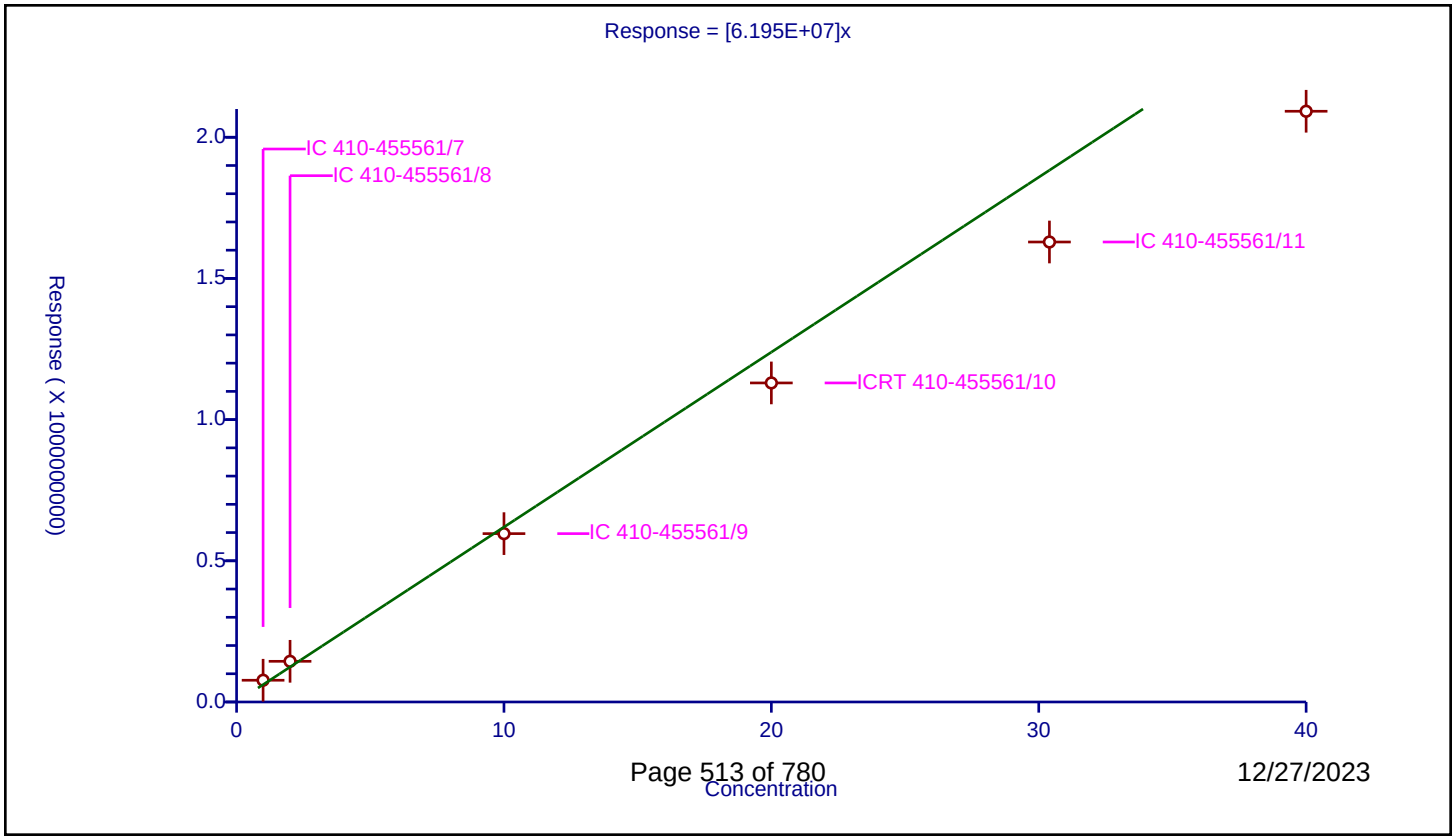
Curve Coefficients

Intercept:	0
Slope:	6.195E+07

Error Coefficients

Standard Error:	213000000
Relative Standard Error:	16.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.951

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	77017156.0			77638262.096774	Y
2	IC 410-455561/8	2.0	144075888.0			72037944.0	Y
3	IC 410-455561/9	10.0	596217859.0			59621785.9	Y
4	ICRT 410-455561/10	20.0	1129906415.0			56495320.75	Y
5	IC 410-455561/11	30.4	1629045374.0			53587018.881579	Y
6	IC 410-455561/12	40.0	2092055609.0			52301390.225	Y



Calibration / Endrin aldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

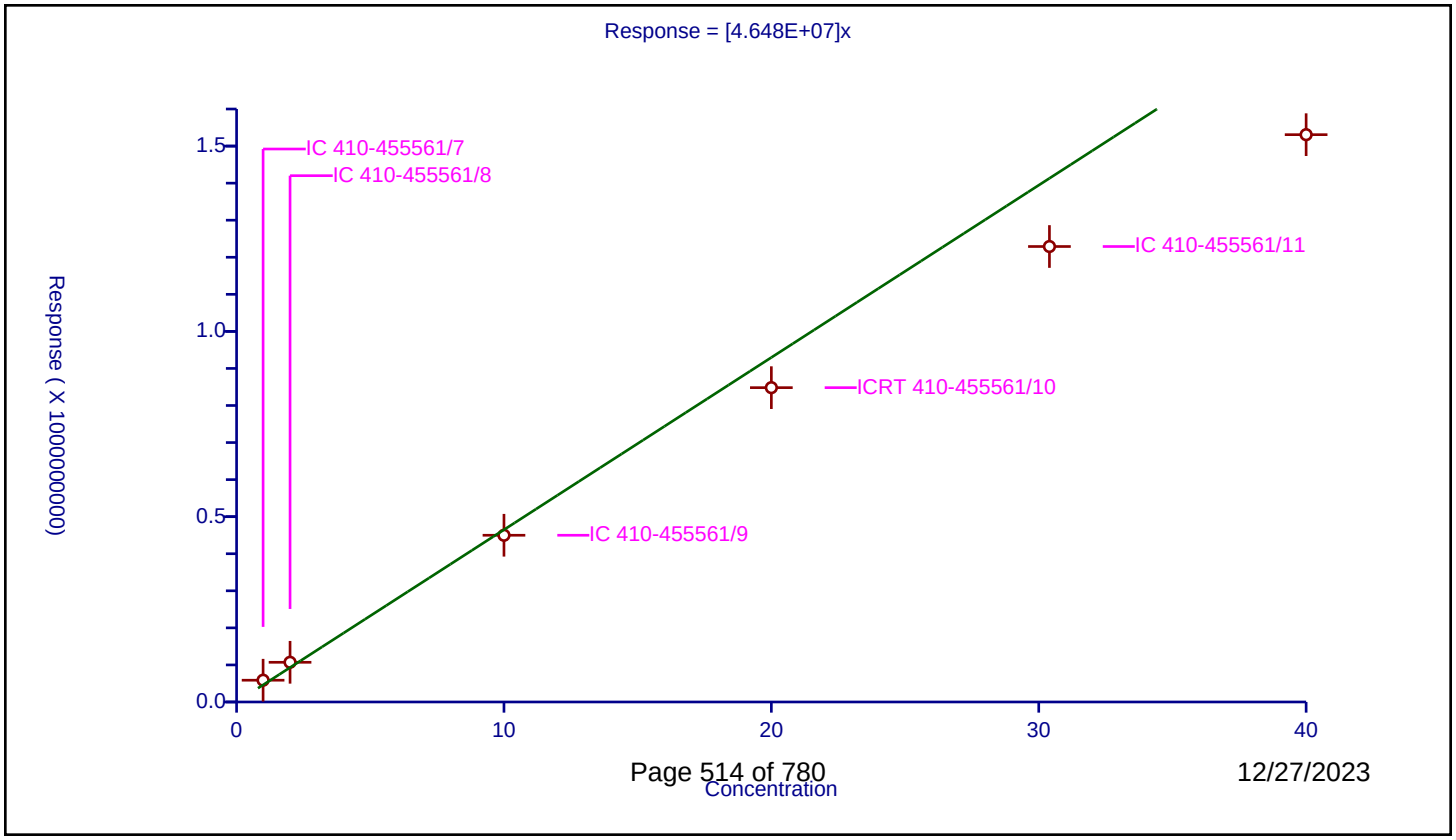
Curve Coefficients

Intercept:	0
Slope:	4.648E+07

Error Coefficients

Standard Error:	173000000
Relative Standard Error:	17.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.946

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	58771666.0			59245631.048387	Y
2	IC 410-455561/8	2.0	107069984.0			53534992.0	Y
3	IC 410-455561/9	10.0	449893070.0			44989307.0	Y
4	ICRT 410-455561/10	20.0	848164956.0			42408247.8	Y
5	IC 410-455561/11	30.4	1228997529.0			40427550.296053	Y
6	IC 410-455561/12	40.0	1530775158.0			38269378.95	Y



Calibration / 4,4'-DDT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

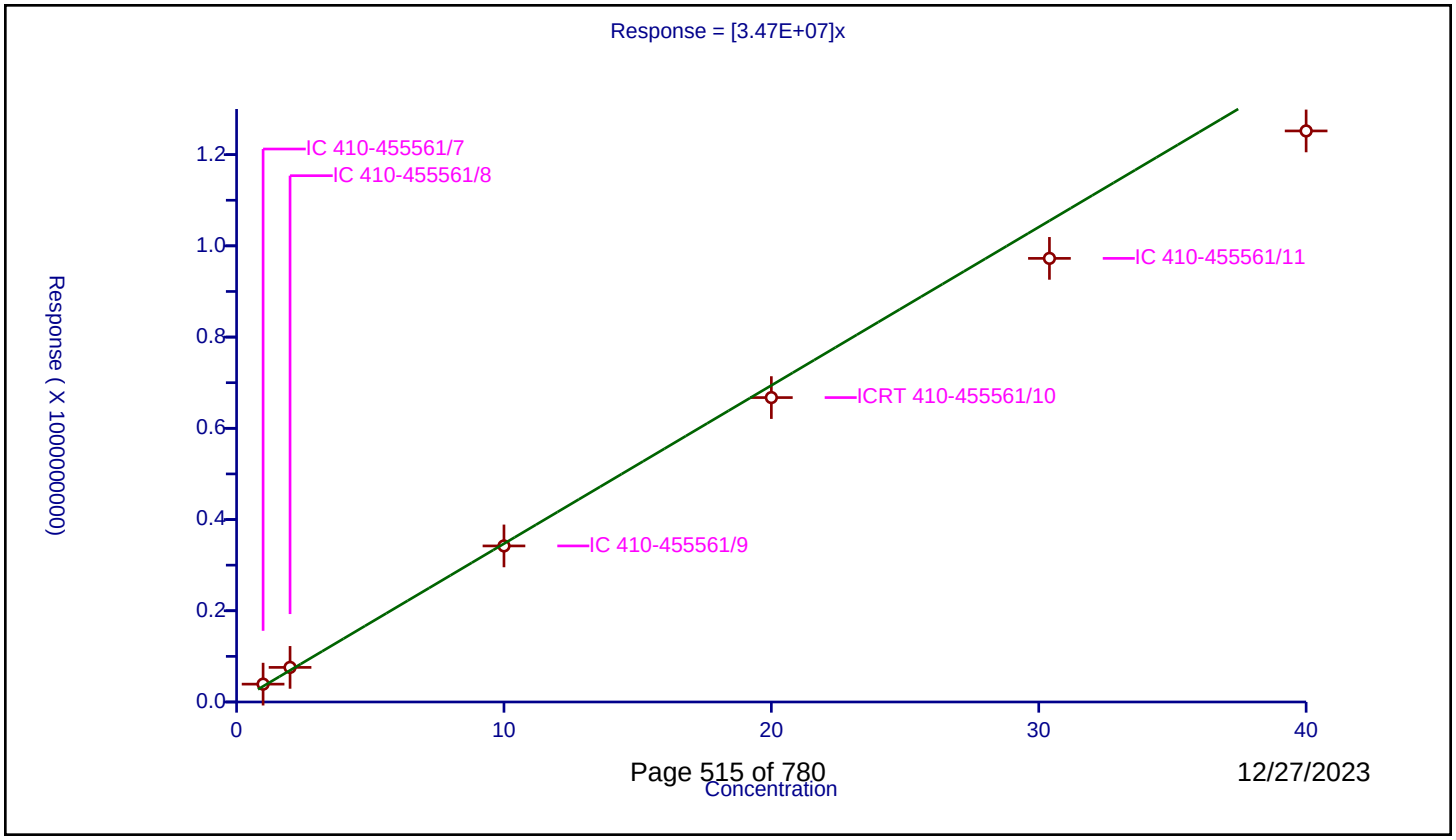
Curve Coefficients

Intercept:	0
Slope:	3.47E+07

Error Coefficients

Standard Error:	72300000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	39114306.0			39429743.951613	Y
2	IC 410-455561/8	2.0	75832267.0			37916133.5	Y
3	IC 410-455561/9	10.0	342135475.0			34213547.5	Y
4	ICRT 410-455561/10	20.0	667369624.0			33368481.2	Y
5	IC 410-455561/11	30.4	972556755.0			31991998.519737	Y
6	IC 410-455561/12	40.0	1251919669.0			31297991.725	Y



Calibration / Endosulfan sulfate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

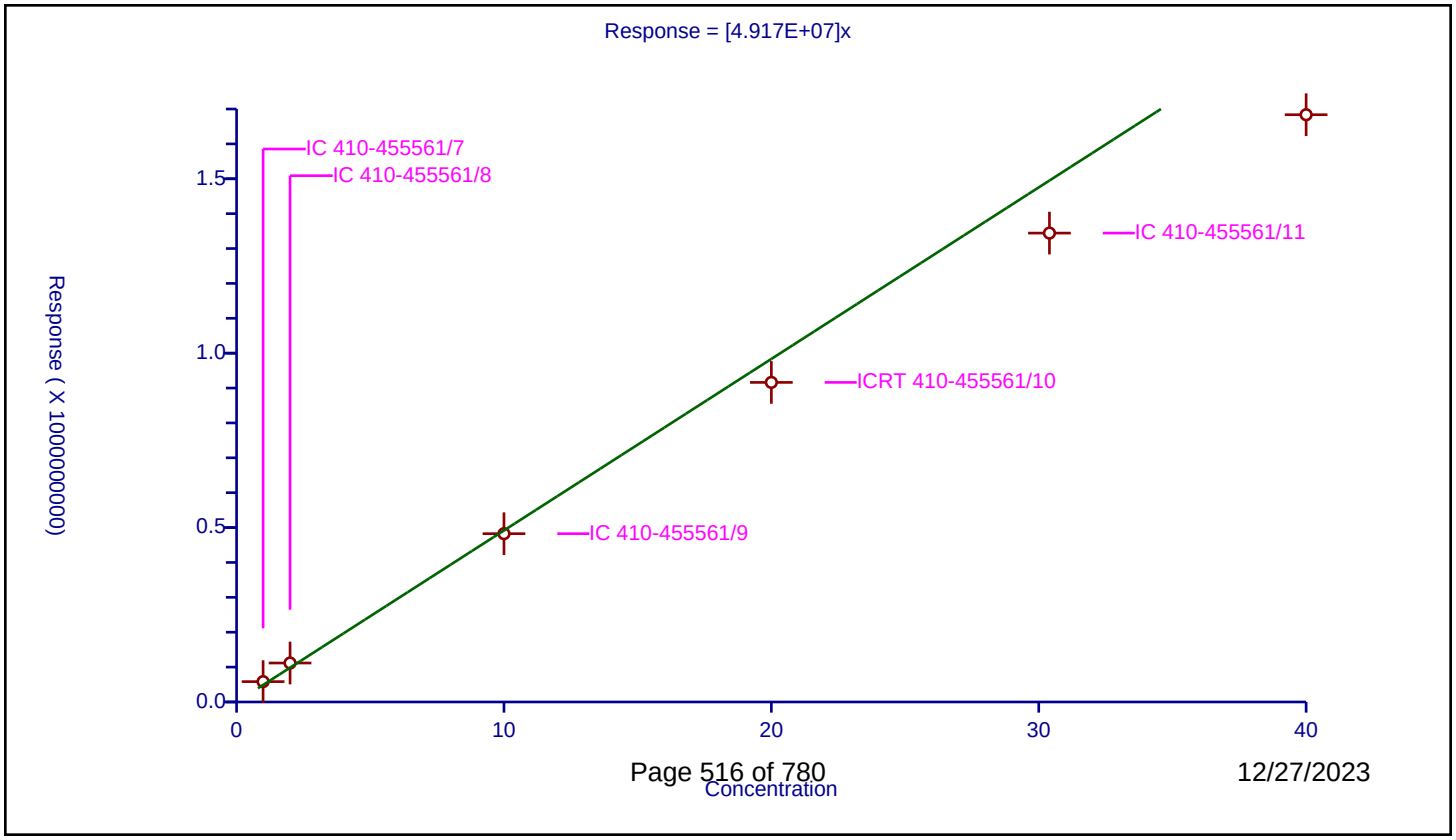
Curve Coefficients

Intercept:	0
Slope:	4.917E+07

Error Coefficients

Standard Error:	147000000
Relative Standard Error:	13.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.992	58354917.0			58825521.169355	Y
2	IC 410-455561/8	2.0	111700537.0			55850268.5	Y
3	IC 410-455561/9	10.0	482482639.0			48248263.9	Y
4	ICRT 410-455561/10	20.0	916247525.0			45812376.25	Y
5	IC 410-455561/11	30.4	1344283630.0			44219856.25	Y
6	IC 410-455561/12	40.0	1683650003.0			42091250.075	Y



Calibration / Methoxychlor

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

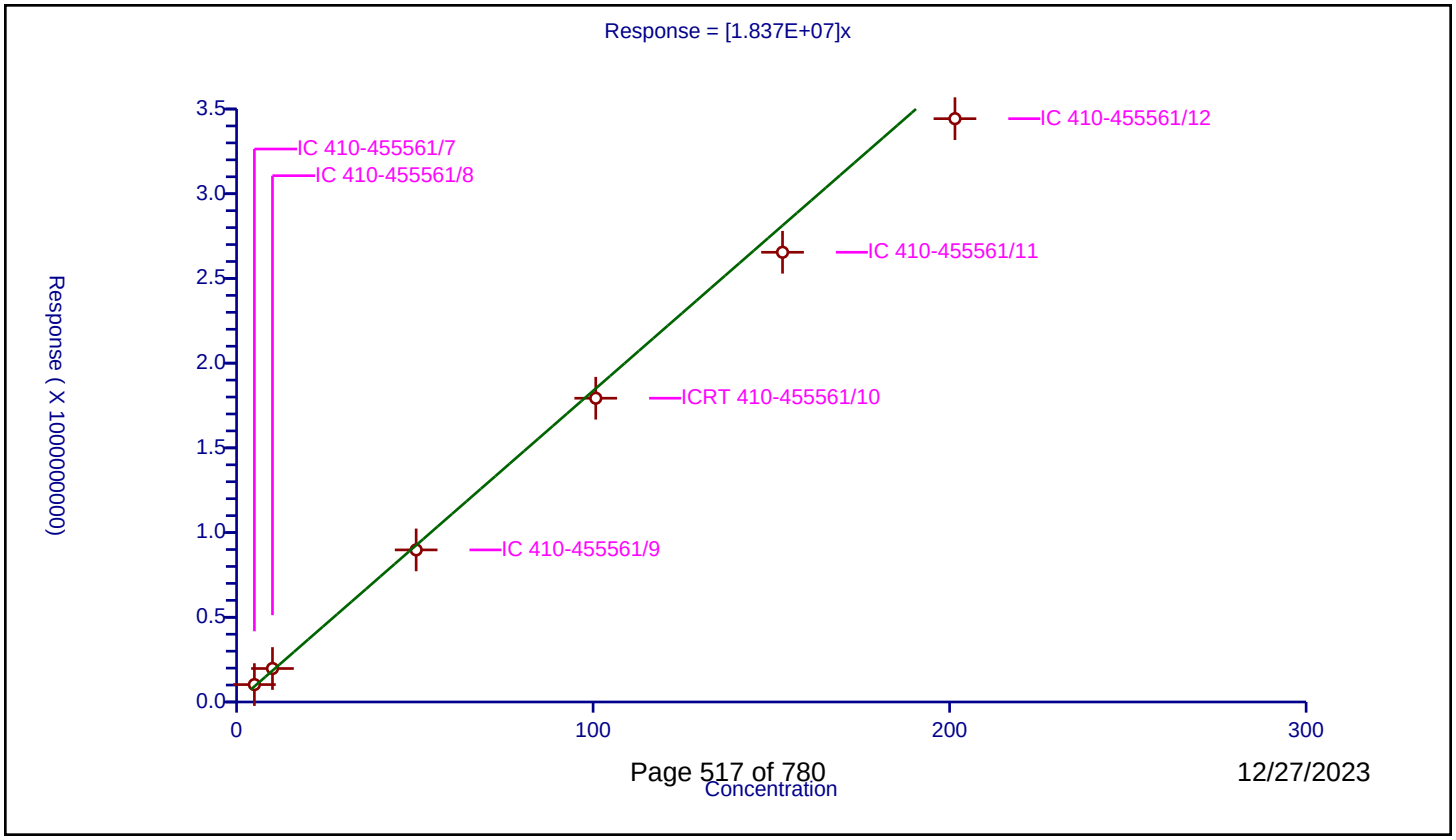
Curve Coefficients

Intercept:	0
Slope:	1.837E+07

Error Coefficients

Standard Error:	138000000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	4.9972	102667301.0			20544965.380613	Y
2	IC 410-455561/8	10.075	197557618.0			19608696.575682	Y
3	IC 410-455561/9	50.375	897689659.0			17820142.114144	Y
4	ICRT 410-455561/10	100.75	1793027549.0			17796799.493797	Y
5	IC 410-455561/11	153.14	2654518306.0			17333931.735667	Y
6	IC 410-455561/12	201.5	3442987033.0			17086784.282878	Y



Calibration / Endrin ketone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

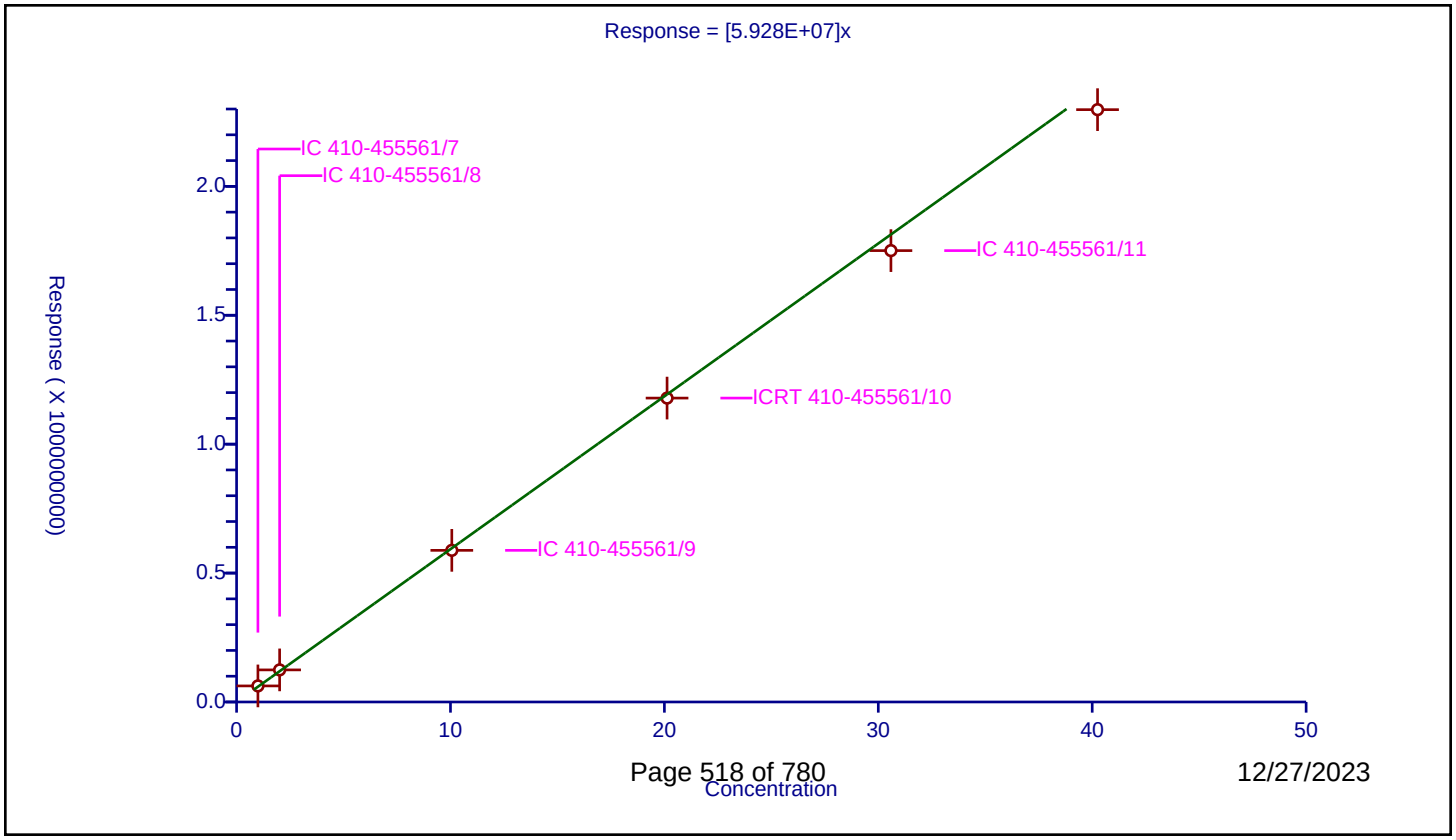
Curve Coefficients

Intercept:	0
Slope:	5.928E+07

Error Coefficients

Standard Error:	49100000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	0.9982	62355067.0			62467508.515328	Y
2	IC 410-455561/8	2.0125	124513435.0			61870029.813665	Y
3	IC 410-455561/9	10.0625	588161364.0			58450818.782609	Y
4	ICRT 410-455561/10	20.125	1178757871.0			58571819.677019	Y
5	IC 410-455561/11	30.59	1750779963.0			57233735.305655	Y
6	IC 410-455561/12	40.25	2297560021.0			57082236.546584	Y



Calibration / DCB Decachlorobiphenyl (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ESTD
Response Base:	HEIGHT
RF Rounding:	0

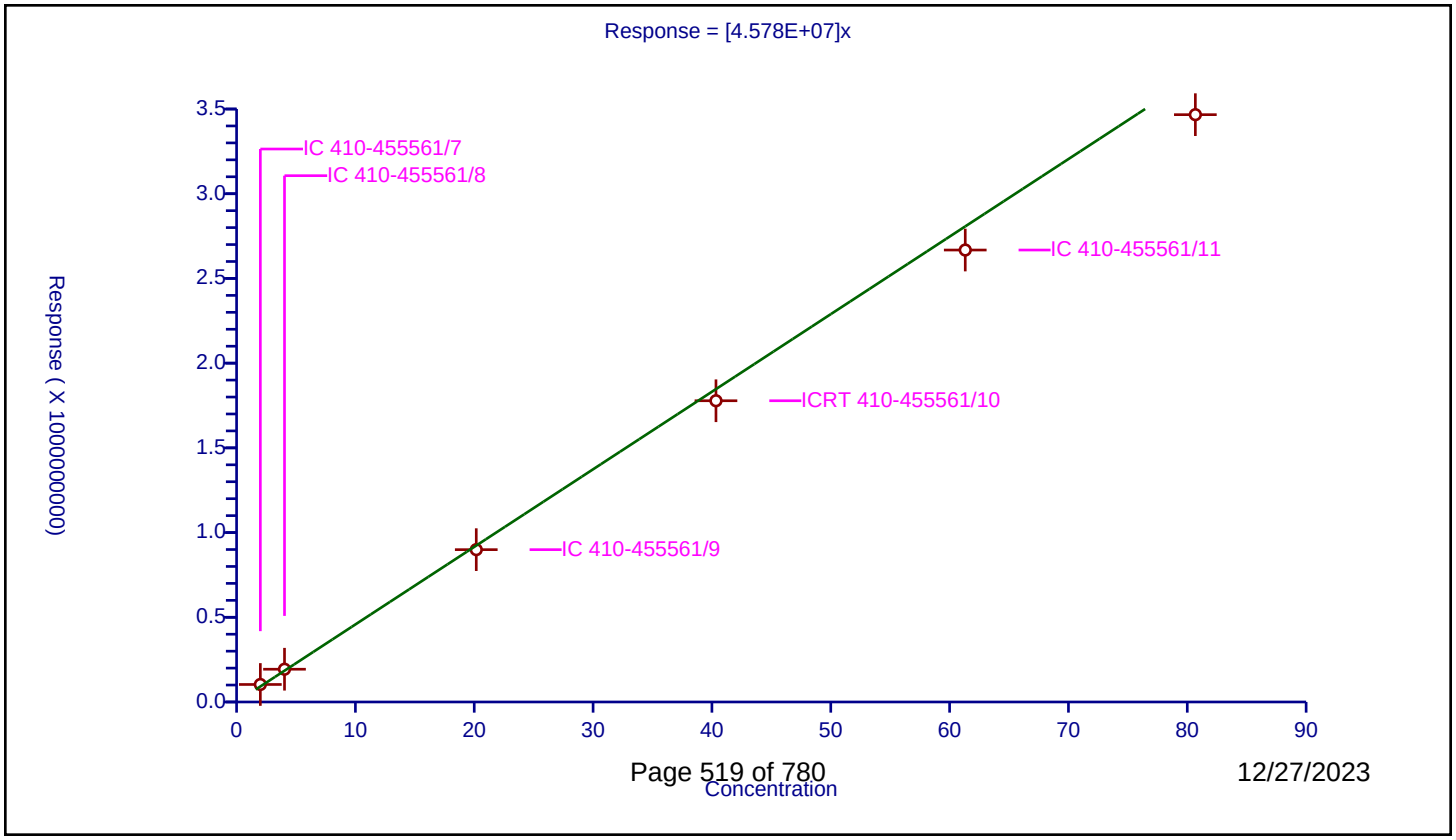
Curve Coefficients

Intercept:	0
Slope:	4.578E+07

Error Coefficients

Standard Error:	124000000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Response	IS Amount	IS Response	RF	Used
1	IC 410-455561/7	2.000864	103261877.0			51608643.56598	Y
2	IC 410-455561/8	4.034	193405481.0			47943847.54586	Y
3	IC 410-455561/9	20.17	899152224.0			44578692.31532	Y
4	ICRT 410-455561/10	40.34	1778057341.0			44076780.887457	Y
5	IC 410-455561/11	61.3168	2667714347.0			43507070.607077	Y
6	IC 410-455561/12	80.68	3466596844.0			42967239.018344	Y



FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: PEM 410-456082/7 Calibration Date: 12/20/2023 02:47

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.73	6918368392	0.36	15	
Endrin aldehyde	5.14	204933			
Endrin ketone	5.70	24538180			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	5.04	12524597069	0.44	15	
p,p'-DDD	4.83	26510015			
p,p'-DDE	4.37	28675447			

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.007.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 20-Dec-2023 02:47:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 09:46:57 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	1859215165H	20.0	22.7	
2	2.338	2.340	-0.002	829879193H	20.0	20.9	
						RPD = 8.19	
2 alpha-BHC							
1	2.362	2.363	-0.001	1461760508H	9.95	11.5	
2	2.748	2.750	-0.002	1515256524H	9.95	10.4	
						RPD = 9.51	
4 gamma-BHC (Lindane)							
1	2.730	2.732	-0.002	1413500086H	10.0	11.5	
2	3.088	3.088	0.000	1566997064H	10.0	10.6	
						RPD = 7.74	
5 beta-BHC							
1	2.978	2.982	-0.004	638320504H	10.0	12.0	
2	3.373	3.375	-0.002	684514551H	10.0	11.8	
						RPD = 2.15	
16 4,4'-DDE							
1	4.372	4.373	-0.001	28629170H		0.2020	
2	4.805	4.807	-0.002	27779325H		0.2340	
						RPD = 14.66	
19 Endrin							E
1	4.732	4.733	-0.001	7408030094H	49.8	58.7	E
2	5.093	5.093	0.000	4653742549H	49.8	52.8	E
						RPD = 10.54	
22 4,4'-DDD							
1	4.833	4.835	-0.002	31406578H		0.2616	
2	5.208	5.208	0.000	40957255H		0.7416	
						RPD = 95.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
25 Endrin aldehyde							
1	5.135	5.117	0.018	229791H		0.002263	
2	5.370	5.380	-0.010	32841682H		0.7066	
						RPD = 198.72	
26 4,4'-DDT							E
1	5.043	5.043	0.000	14225863226H	99.9	135.0	E
2	5.437	5.437	0.000	4109850997H	99.9	118.4	E
						RPD = 13.05	
28 Methoxychlor							E
1	5.542	5.543	-0.001	15357391563H	249.2	285.0	E
2	5.762	5.762	0.000	5186977432H	249.2	282.4	E
						RPD = 0.90	
29 Endrin ketone							
1	5.702	5.702	0.000	18838730H		0.1383	
2	5.897	5.897	0.000	8110026H		0.1368	
						RPD = 1.11	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	2551702932H	19.8	21.1	
2	6.947	6.945	0.002	970939717H	19.8	21.2	
						RPD = 0.71	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00012 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 09:47:04 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.007.D

Injection Date: 20-Dec-2023 02:47:00 Instrument ID: 9147

Lims ID: pem

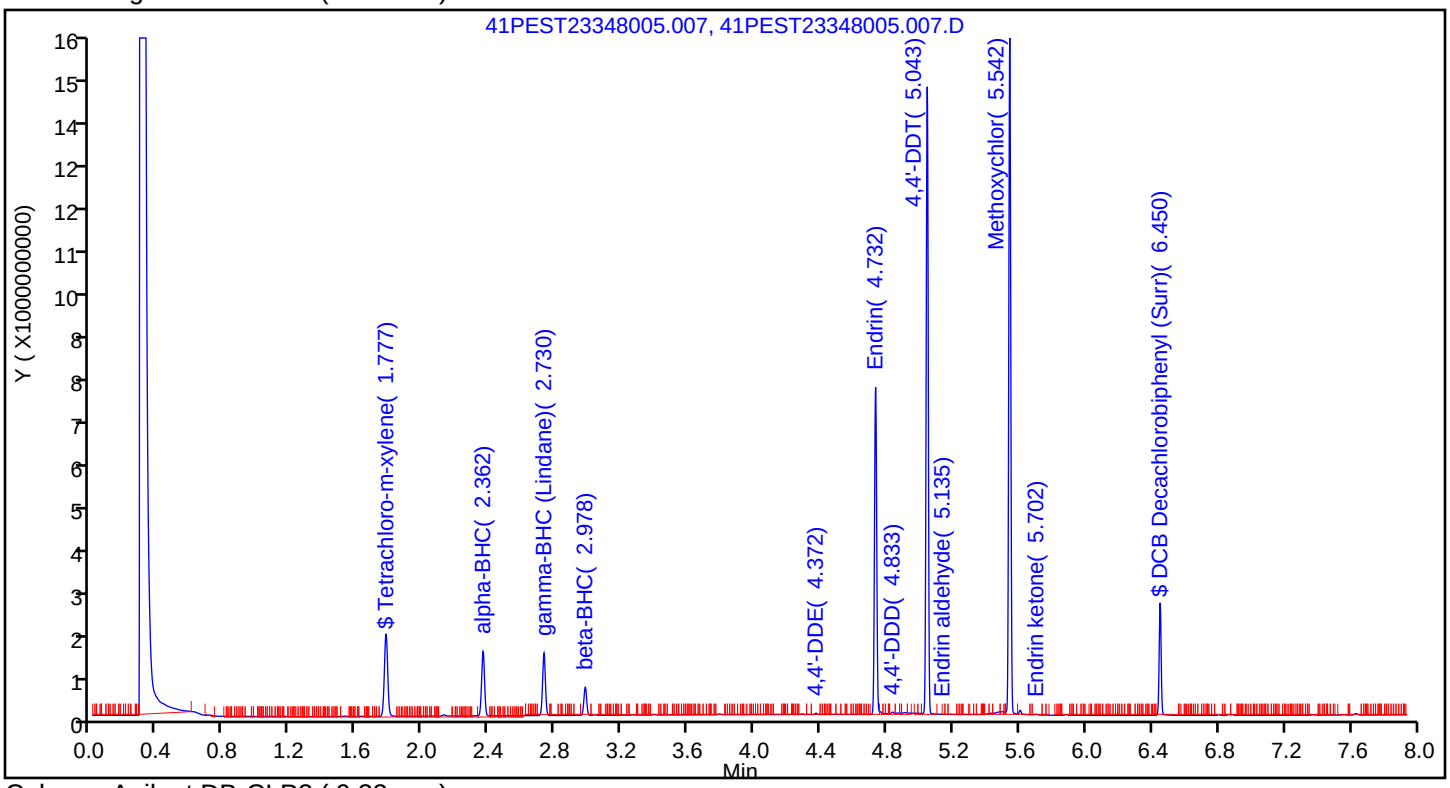
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

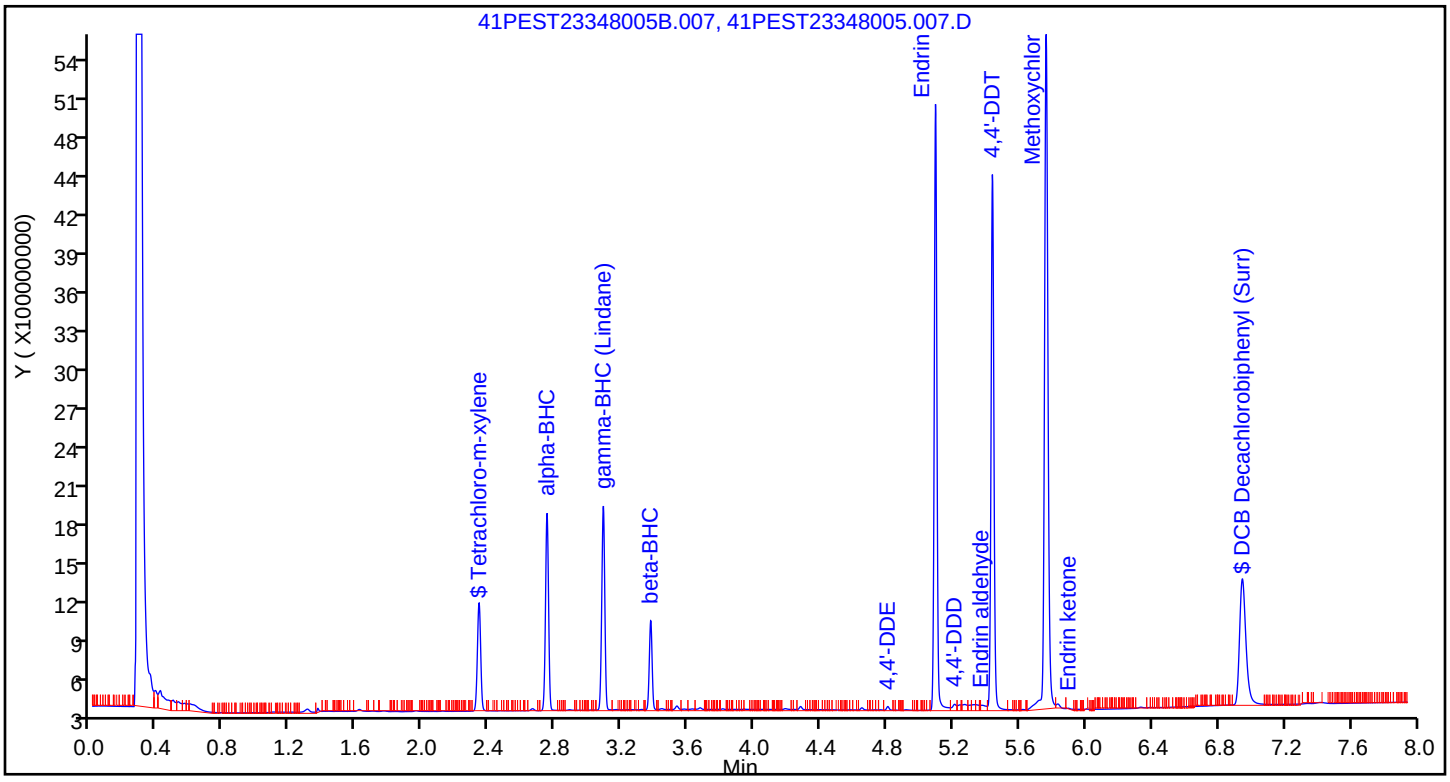
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: PEM 410-456082/7 Calibration Date: 12/20/2023 02:47

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.09	5223005110	1.61	15	
Endrin aldehyde	5.37	73516827			
Endrin ketone	5.90	11824442			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	5.44	4914436468	1.95	15	
p,p'-DDD	5.21	68199909			
p,p'-DDE	4.81	29685266			

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.007.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 20-Dec-2023 02:47:00 ALS Bottle#: 0 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 09:46:57 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	1859215165H	20.0	22.7	
2	2.338	2.340	-0.002	829879193H	20.0	20.9	
						RPD = 8.19	
2 alpha-BHC							
1	2.362	2.363	-0.001	1461760508H	9.95	11.5	
2	2.748	2.750	-0.002	1515256524H	9.95	10.4	
						RPD = 9.51	
4 gamma-BHC (Lindane)							
1	2.730	2.732	-0.002	1413500086H	10.0	11.5	
2	3.088	3.088	0.000	1566997064H	10.0	10.6	
						RPD = 7.74	
5 beta-BHC							
1	2.978	2.982	-0.004	638320504H	10.0	12.0	
2	3.373	3.375	-0.002	684514551H	10.0	11.8	
						RPD = 2.15	
16 4,4'-DDE							
1	4.372	4.373	-0.001	28629170H		0.2020	
2	4.805	4.807	-0.002	27779325H		0.2340	
						RPD = 14.66	
19 Endrin							E
1	4.732	4.733	-0.001	7408030094H	49.8	58.7	E
2	5.093	5.093	0.000	4653742549H	49.8	52.8	E
						RPD = 10.54	
22 4,4'-DDD							
1	4.833	4.835	-0.002	31406578H		0.2616	
2	5.208	5.208	0.000	40957255H		0.7416	
						RPD = 95.70	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
25 Endrin aldehyde							
1	5.135	5.117	0.018	229791H		0.002263	
2	5.370	5.380	-0.010	32841682H		0.7066	
						RPD = 198.72	
26 4,4'-DDT							E
1	5.043	5.043	0.000	14225863226H	99.9	135.0	E
2	5.437	5.437	0.000	4109850997H	99.9	118.4	E
						RPD = 13.05	
28 Methoxychlor							E
1	5.542	5.543	-0.001	15357391563H	249.2	285.0	E
2	5.762	5.762	0.000	5186977432H	249.2	282.4	E
						RPD = 0.90	
29 Endrin ketone							
1	5.702	5.702	0.000	18838730H		0.1383	
2	5.897	5.897	0.000	8110026H		0.1368	
						RPD = 1.11	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	2551702932H	19.8	21.1	
2	6.947	6.945	0.002	970939717H	19.8	21.2	
						RPD = 0.71	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00012 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 09:47:05 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.007.D

Injection Date: 20-Dec-2023 02:47:00 Instrument ID: 9147

Lims ID: pem

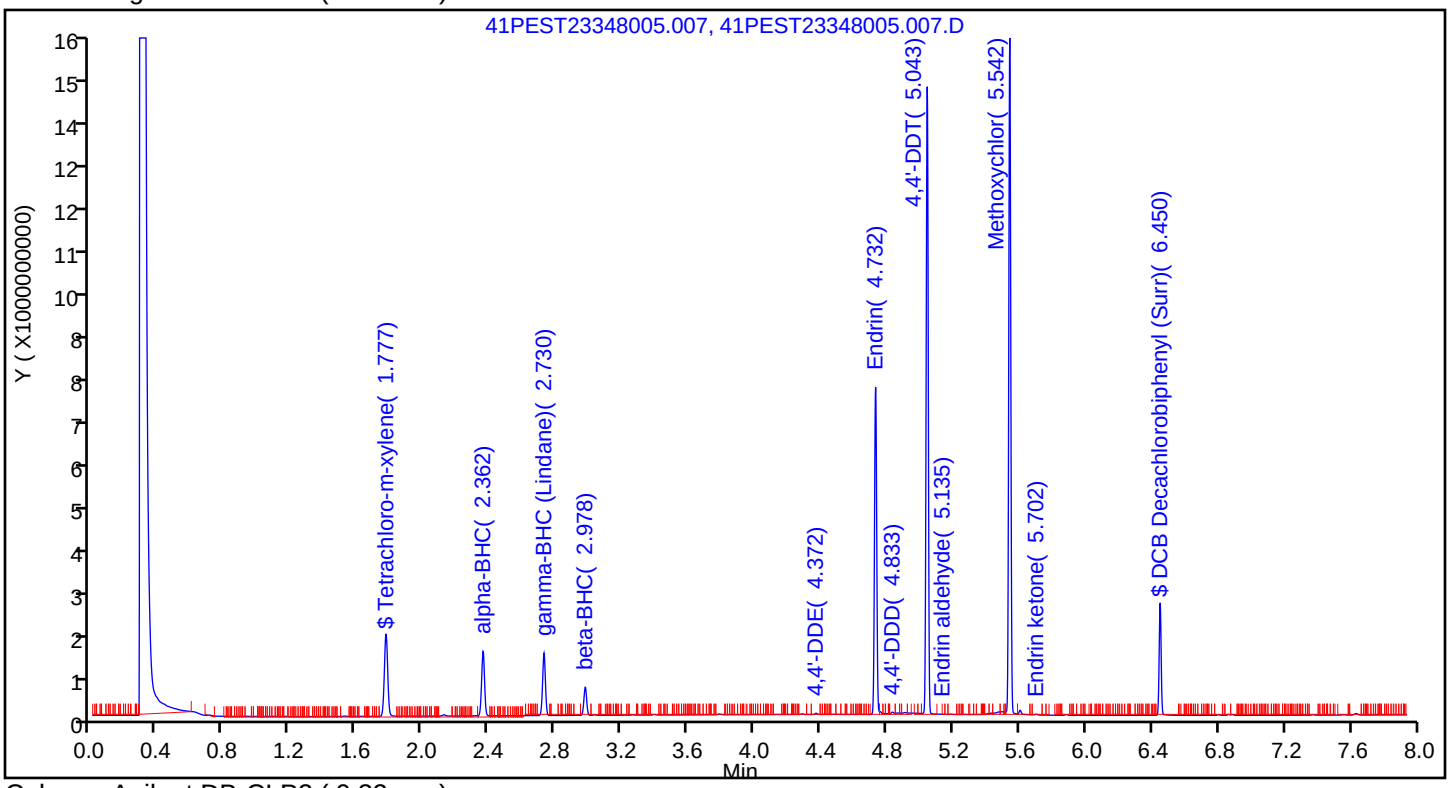
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 7

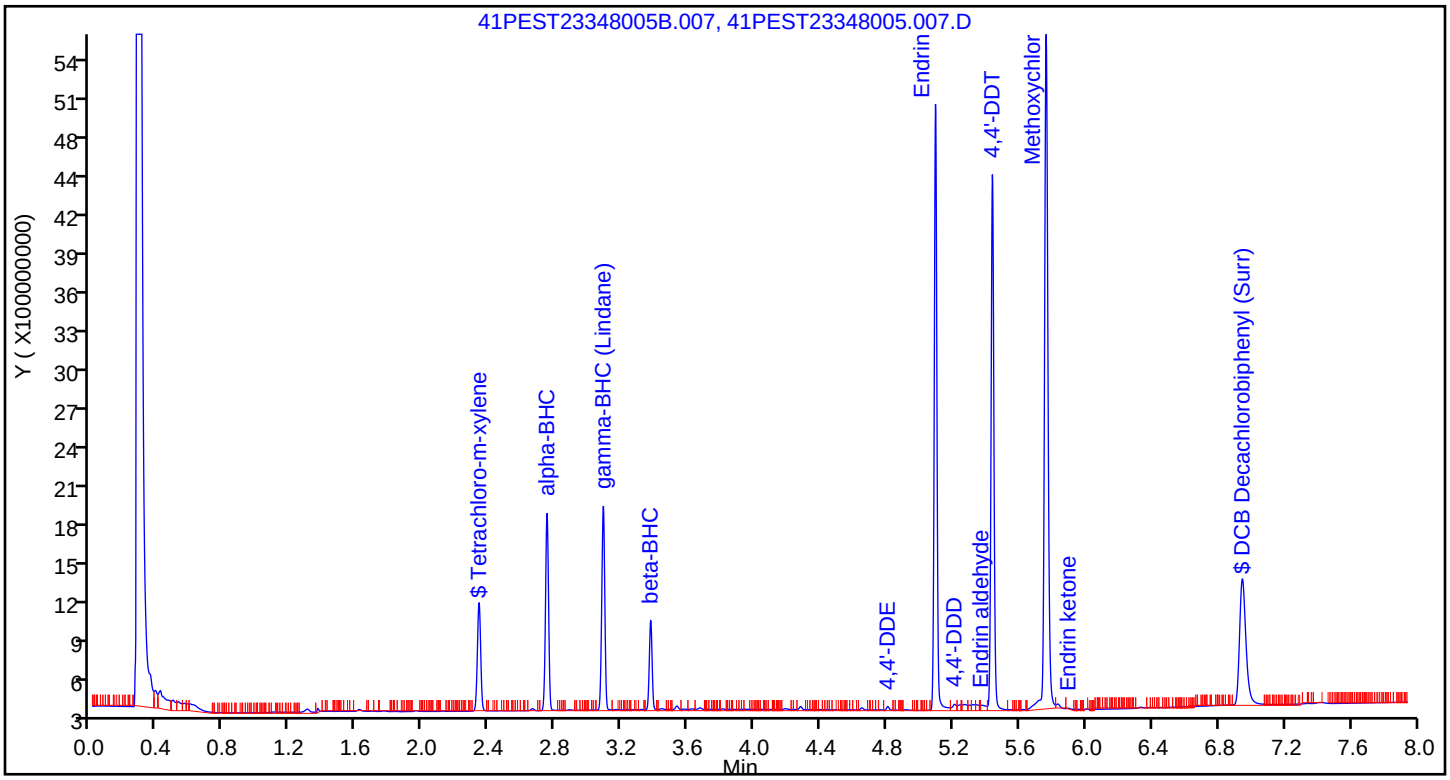
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: PEM 410-456082/45 Calibration Date: 12/20/2023 13:06

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.045.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	4.73	6702610626	0.17	15	
Endrin aldehyde	5.11	910512			
Endrin ketone	5.70	10427343			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	5.04	12217335334	0.49	15	
p,p'-DDD	4.83	32686392			
p,p'-DDE	4.37	27582592			

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.045.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 20-Dec-2023 13:06:00 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 21-Dec-2023 02:16:21 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1667

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.773	1.778	-0.005	1895134280H	20.0	23.2	
2	2.332	2.340	-0.008	839993132H	20.0	21.2	
						RPD = 8.90	
2 alpha-BHC							
1	2.360	2.363	-0.003	1391295678H	9.95	10.9	
2	2.742	2.750	-0.008	1477757703H	9.95	10.2	
						RPD = 7.08	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1374953651H	10.0	11.1	
2	3.082	3.088	-0.006	1604909344H	10.0	10.9	
						RPD = 2.59	
5 beta-BHC							
1	2.977	2.982	-0.005	614515492H	10.0	11.6	
2	3.368	3.375	-0.007	683615526H	10.0	11.8	
						RPD = 1.52	
16 4,4'-DDE							
1	4.370	4.373	-0.003	27789260H		0.1961	
2	4.800	4.807	-0.007	26637901H		0.2244	
						RPD = 13.44	
19 Endrin							E
1	4.730	4.733	-0.003	7435874141H	49.8	58.9	E
2	5.088	5.093	-0.005	4552668951H	49.8	51.7	E
						RPD = 13.10	
22 4,4'-DDD							
1	4.832	4.835	-0.003	35143800H		0.2927	
2	5.202	5.208	-0.006	17663407H		0.3198	
						RPD = 8.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
25 Endrin aldehyde							
1	5.112	5.117	-0.005	1103651H		0.0109	
2	5.363	5.380	-0.017	2342116H		0.0504	
						RPD = 129.04	
26 4,4'-DDT							E
1	5.040	5.043	-0.003	13997790146H	99.9	132.8	E
2	5.430	5.437	-0.007	4044797598H	99.9	116.6	E
						RPD = 13.03	
28 Methoxychlor							E
1	5.540	5.543	-0.003	15138532513H	249.2	280.9	E
2	5.755	5.762	-0.007	5081131655H	249.2	276.7	E
						RPD = 1.52	
29 Endrin ketone							
1	5.698	5.702	-0.004	12055917H		0.0885	
2	5.888	5.897	-0.009	6457787H		0.1089	
						RPD = 20.67	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.447	6.450	-0.003	2541505776H	19.8	21.0	
2	6.938	6.945	-0.007	944559267H	19.8	20.6	
						RPD = 1.64	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00012 Amount Added: 1.00 Units: mL

Report Date: 21-Dec-2023 02:16:23 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.045.D

Injection Date: 20-Dec-2023 13:06:00 Instrument ID: 9147

Lims ID: pem

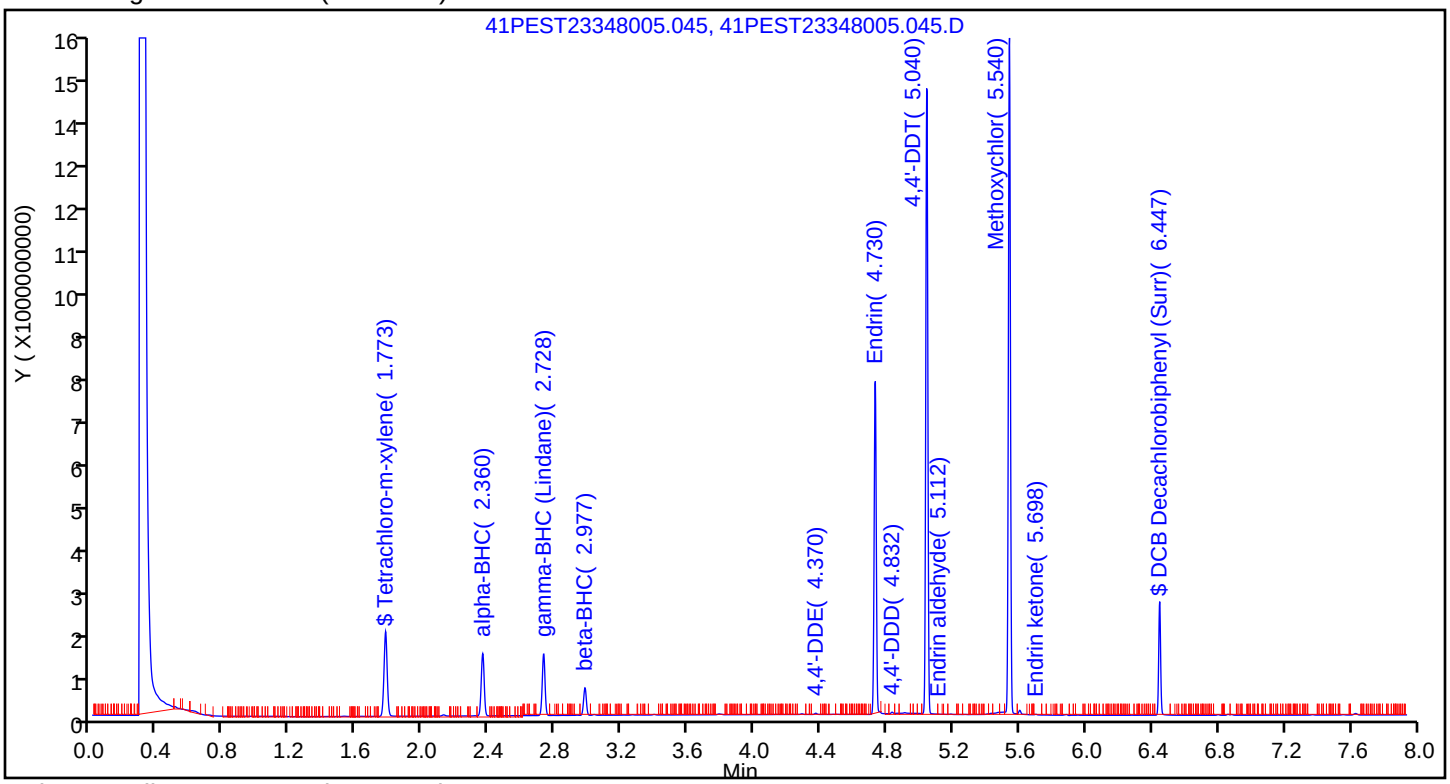
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 45

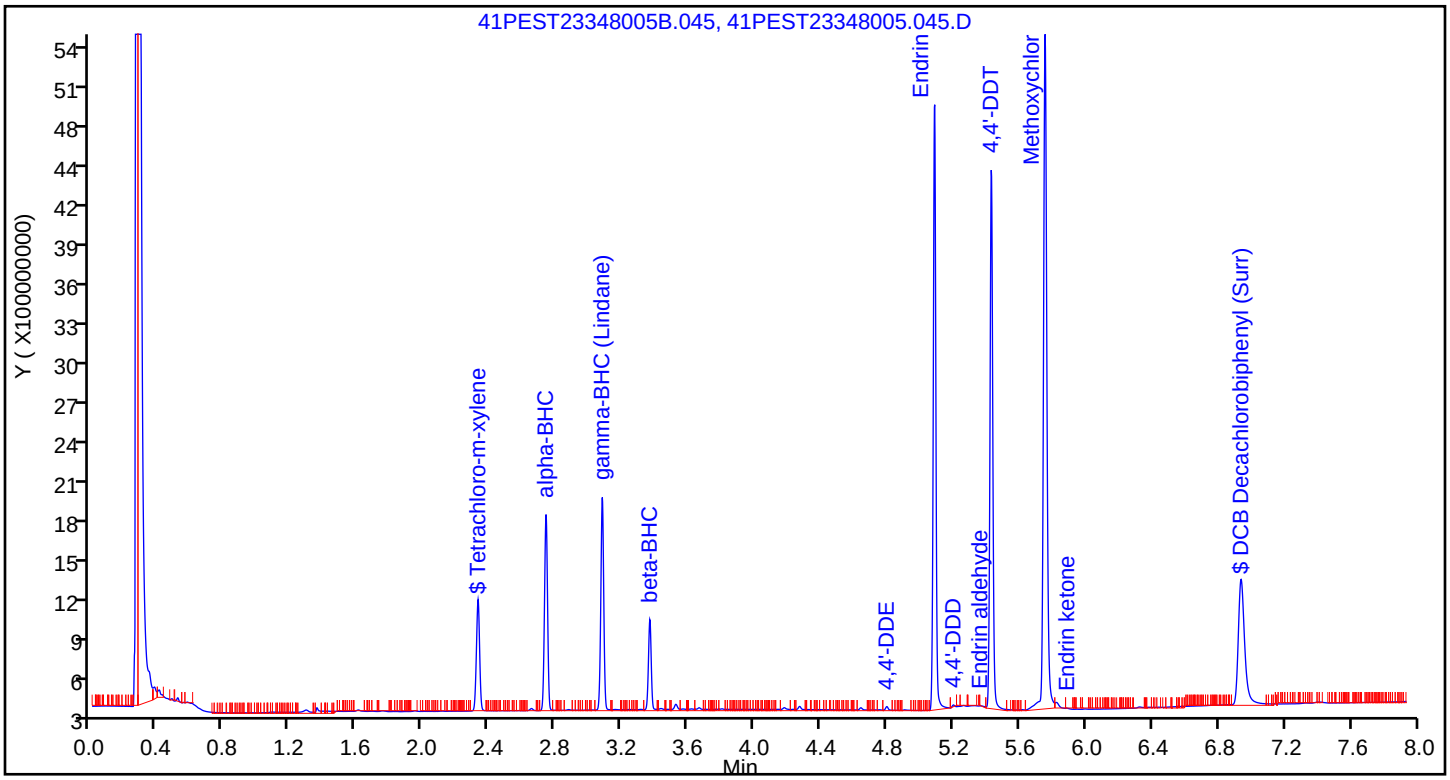
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: PEM 410-456082/45 Calibration Date: 12/20/2023 13:06

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.045.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	5.09	4970244186	0.25	15	
Endrin aldehyde	5.36	4405683			
Endrin ketone	5.89	8118299			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
p,p'-DDT	5.43	4724715191	0.96	15	
p,p'-DDD	5.20	17865692			
p,p'-DDE	4.80	27970127			

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.045.D
Lims ID: pem
Client ID:
Sample Type: PEM
Inject. Date: 20-Dec-2023 13:06:00 ALS Bottle#: 0 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: pem
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 21-Dec-2023 02:16:21 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1667

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.773	1.778	-0.005	1895134280H	20.0	23.2	
2	2.332	2.340	-0.008	839993132H	20.0	21.2	
						RPD = 8.90	
2 alpha-BHC							
1	2.360	2.363	-0.003	1391295678H	9.95	10.9	
2	2.742	2.750	-0.008	1477757703H	9.95	10.2	
						RPD = 7.08	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1374953651H	10.0	11.1	
2	3.082	3.088	-0.006	1604909344H	10.0	10.9	
						RPD = 2.59	
5 beta-BHC							
1	2.977	2.982	-0.005	614515492H	10.0	11.6	
2	3.368	3.375	-0.007	683615526H	10.0	11.8	
						RPD = 1.52	
16 4,4'-DDE							
1	4.370	4.373	-0.003	27789260H		0.1961	
2	4.800	4.807	-0.007	26637901H		0.2244	
						RPD = 13.44	
19 Endrin							E
1	4.730	4.733	-0.003	7435874141H	49.8	58.9	E
2	5.088	5.093	-0.005	4552668951H	49.8	51.7	E
						RPD = 13.10	
22 4,4'-DDD							
1	4.832	4.835	-0.003	35143800H		0.2927	
2	5.202	5.208	-0.006	17663407H		0.3198	
						RPD = 8.85	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
25 Endrin aldehyde							
1	5.112	5.117	-0.005	1103651H		0.0109	
2	5.363	5.380	-0.017	2342116H		0.0504	
						RPD = 129.04	
26 4,4'-DDT							E
1	5.040	5.043	-0.003	13997790146H	99.9	132.8	E
2	5.430	5.437	-0.007	4044797598H	99.9	116.6	E
						RPD = 13.03	
28 Methoxychlor							E
1	5.540	5.543	-0.003	15138532513H	249.2	280.9	E
2	5.755	5.762	-0.007	5081131655H	249.2	276.7	E
						RPD = 1.52	
29 Endrin ketone							
1	5.698	5.702	-0.004	12055917H		0.0885	
2	5.888	5.897	-0.009	6457787H		0.1089	
						RPD = 20.67	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.447	6.450	-0.003	2541505776H	19.8	21.0	
2	6.938	6.945	-0.007	944559267H	19.8	20.6	
						RPD = 1.64	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

H - Response Measured by Height

Reagents:

GCS_PESTEVALV_00012 Amount Added: 1.00 Units: mL

Report Date: 21-Dec-2023 02:16:23 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.045.D

Injection Date: 20-Dec-2023 13:06:00 Instrument ID: 9147

Lims ID: pem

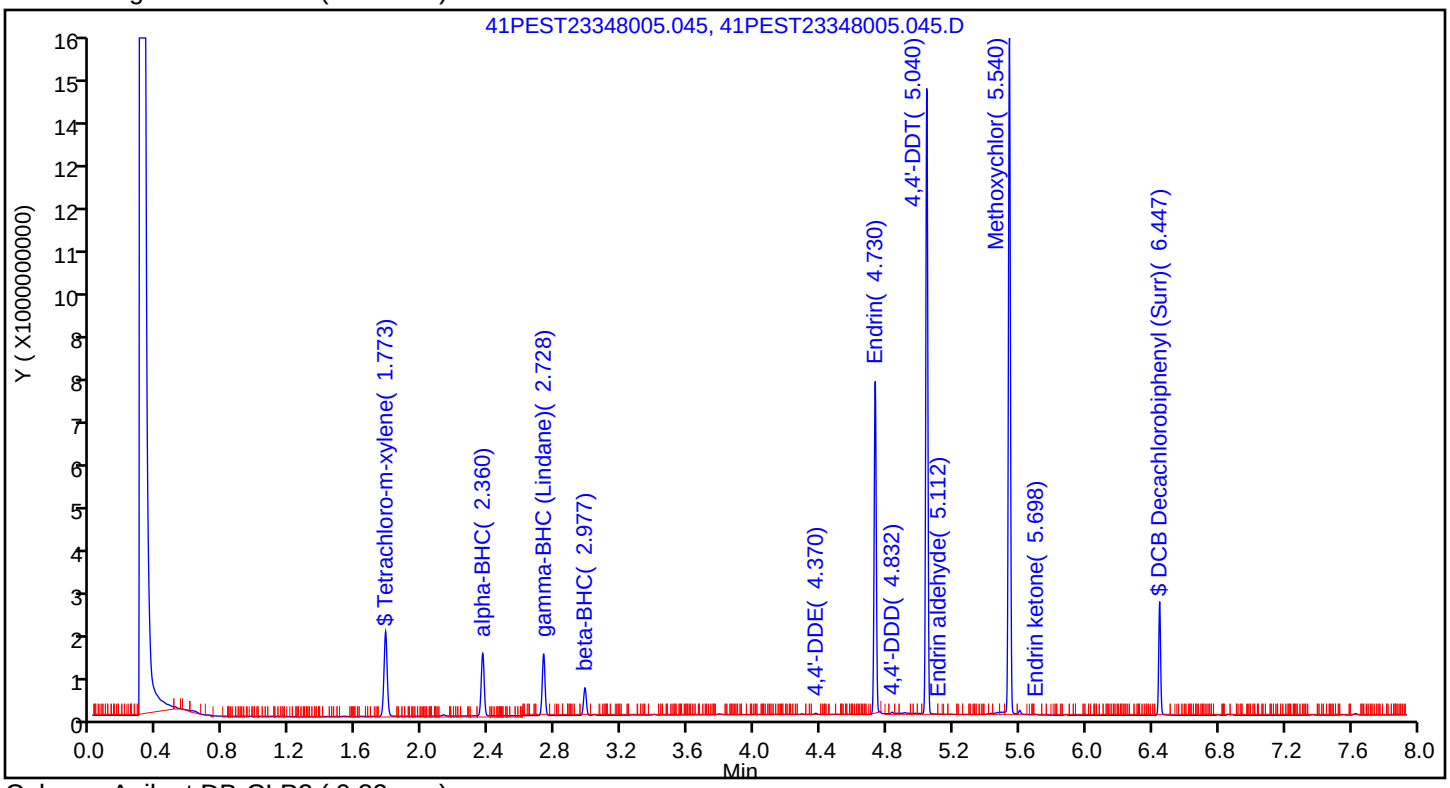
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 45

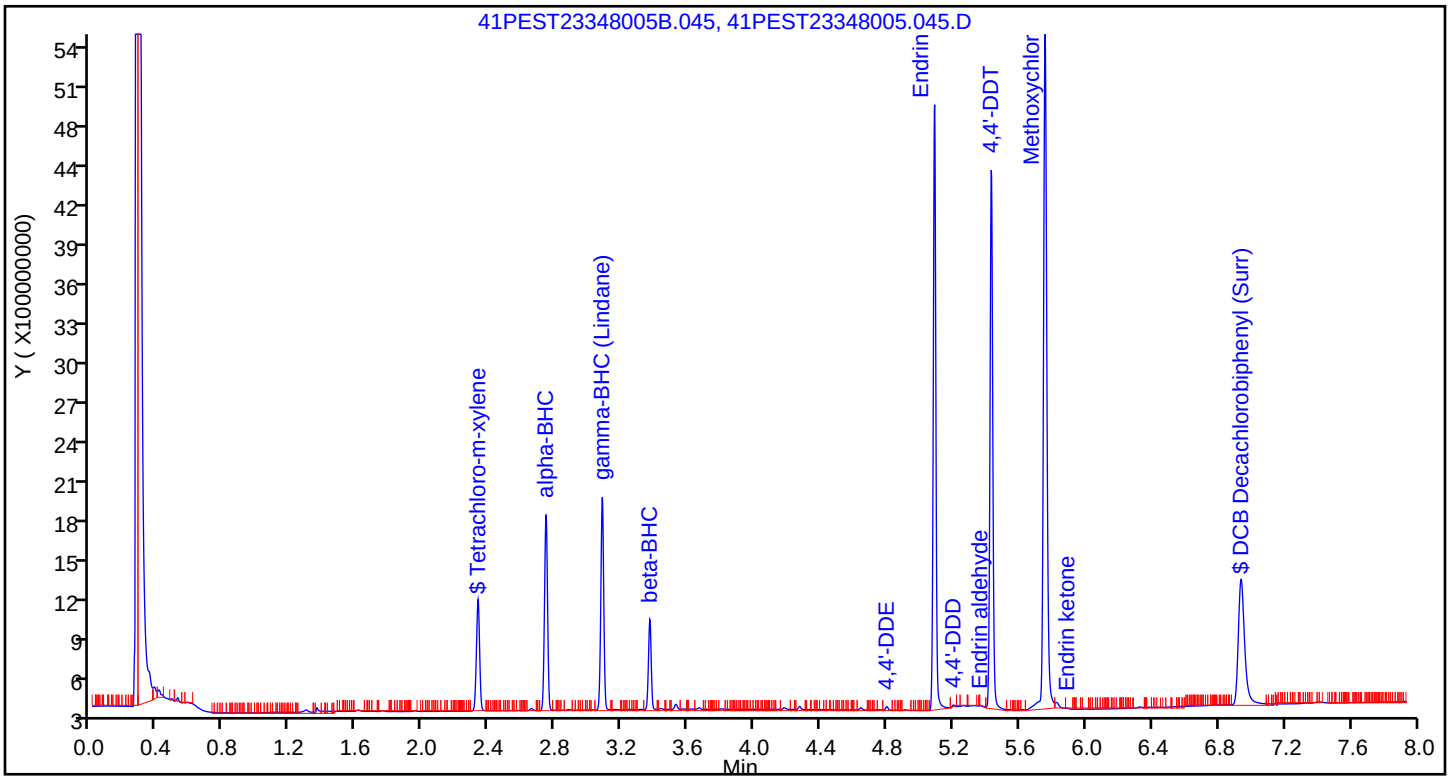
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: ICV 410-453851/41 Calibration Date: 12/14/2023 13:00

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348001.041.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	1630043	1768900		546	504	8.5	20.0
Toxaphene Peak 2	Ave	2261118	2443701		544	504	8.1	20.0
Toxaphene Peak 3	Ave	2119279	2205900		524	504	4.1	20.0
Toxaphene Peak 4	Ave	2782193	2923101		529	504	5.1	20.0
Toxaphene Peak 5	Qua		2014311		490	504	-2.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: ICV 410-453851/41 Calibration Date: 12/14/2023 13:00

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348001.041.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.13	5.10	5.16
Toxaphene Peak 2	5.35	5.32	5.38
Toxaphene Peak 3	5.40	5.37	5.43
Toxaphene Peak 4	5.73	5.70	5.76
Toxaphene Peak 5	5.97	5.94	6.00

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.041.D
Lims ID: icv tox
Client ID:
Sample Type: ICV
Inject. Date: 14-Dec-2023 13:00:00 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv t
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 15-Dec-2023 01:41:56 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1610

First Level Reviewer: UKQ8 Date: 15-Dec-2023 01:39:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.132	5.133	-0.001	890641141H	503.5	546.4	M
1	5.347	5.348	-0.001	1230403641H	503.5	544.2	M
1	5.398	5.400	-0.002	1110670516H	503.5	524.1	M
1	5.728	5.730	-0.002	1471781391H	503.5	529.0	M
1	5.973	5.973	0.000	1014205641H	503.5	490.0	M
		Average of Peak Amounts =				526.7	
2	5.293	5.297	-0.004	337871731H	503.5	536.5	
2	5.518	5.522	-0.004	375941924H	503.5	566.7	
2	5.698	5.700	-0.002	514012904H	503.5	564.6	
2	5.753	5.757	-0.004	459712450H	503.5	502.1	
2	6.088	6.092	-0.004	527186798H	503.5	508.7	
		Average of Peak Amounts =				535.7	
						RPD = 1.69	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOXICV_00015 Amount Added: 1.00 Units: mL

Report Date: 15-Dec-2023 01:42:23 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.041.D

Injection Date: 14-Dec-2023 13:00:00 Instrument ID: 9147

Lims ID: icv tox

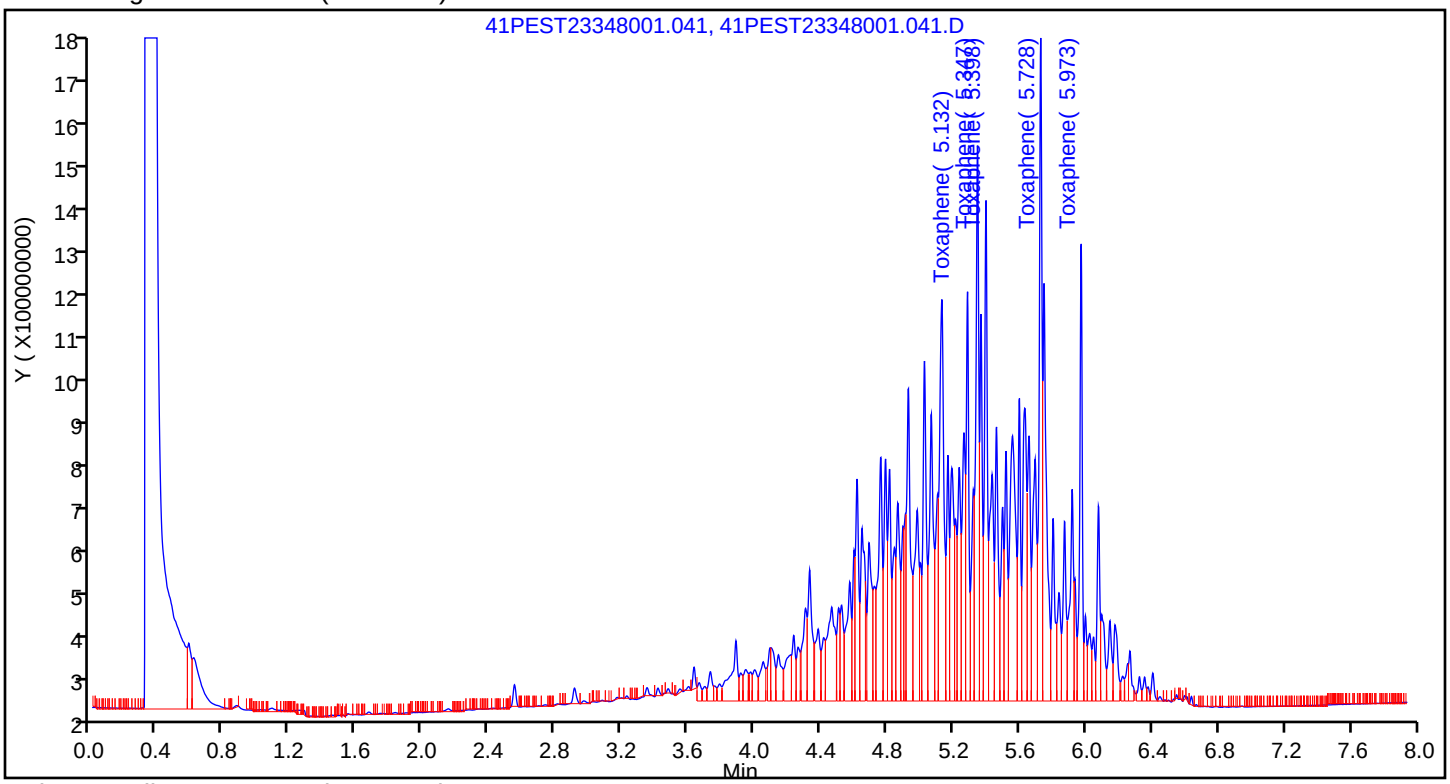
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 41

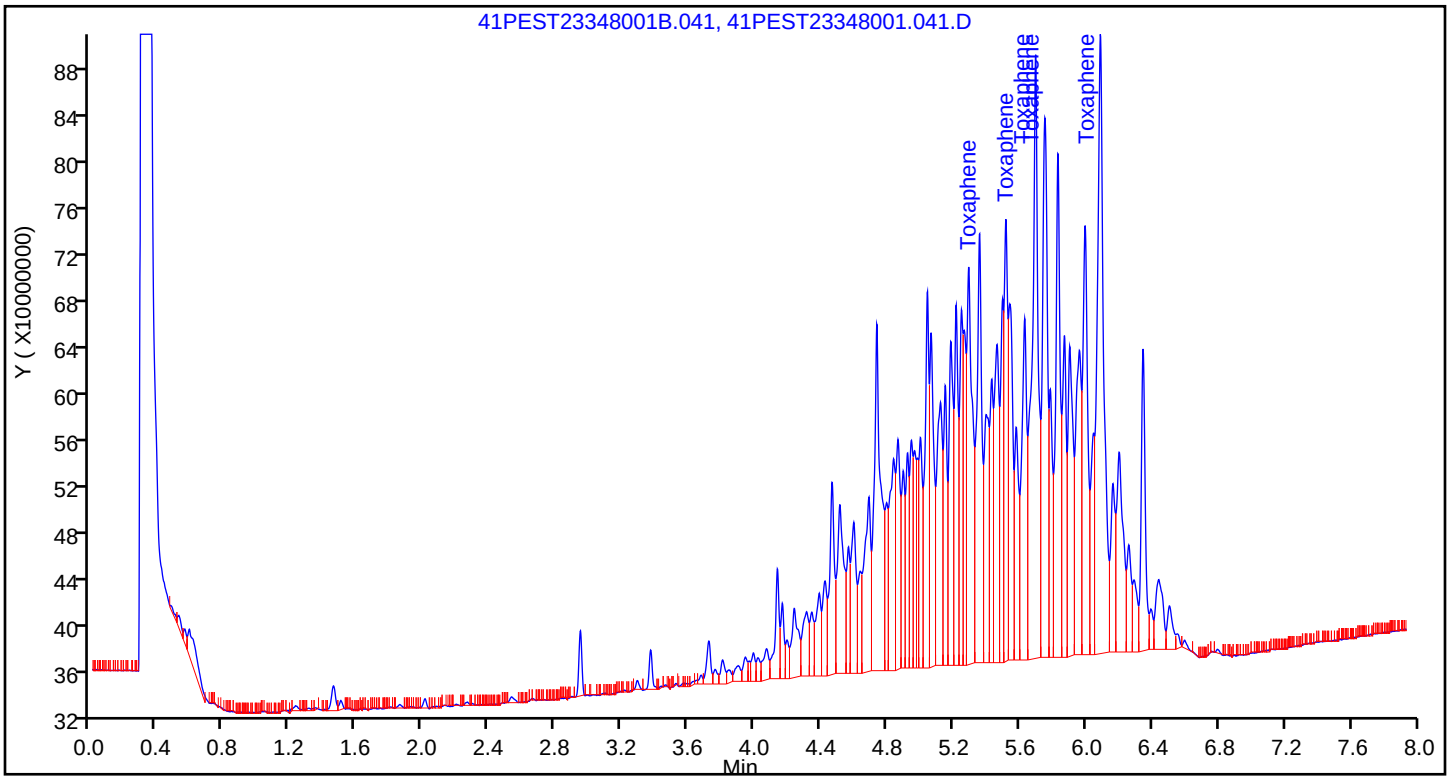
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Report Date: 15-Dec-2023 01:42:23 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.041.D

Injection Date: 14-Dec-2023 13:00:00 Instrument ID: 9147

Lims ID: icv tox

Client ID:

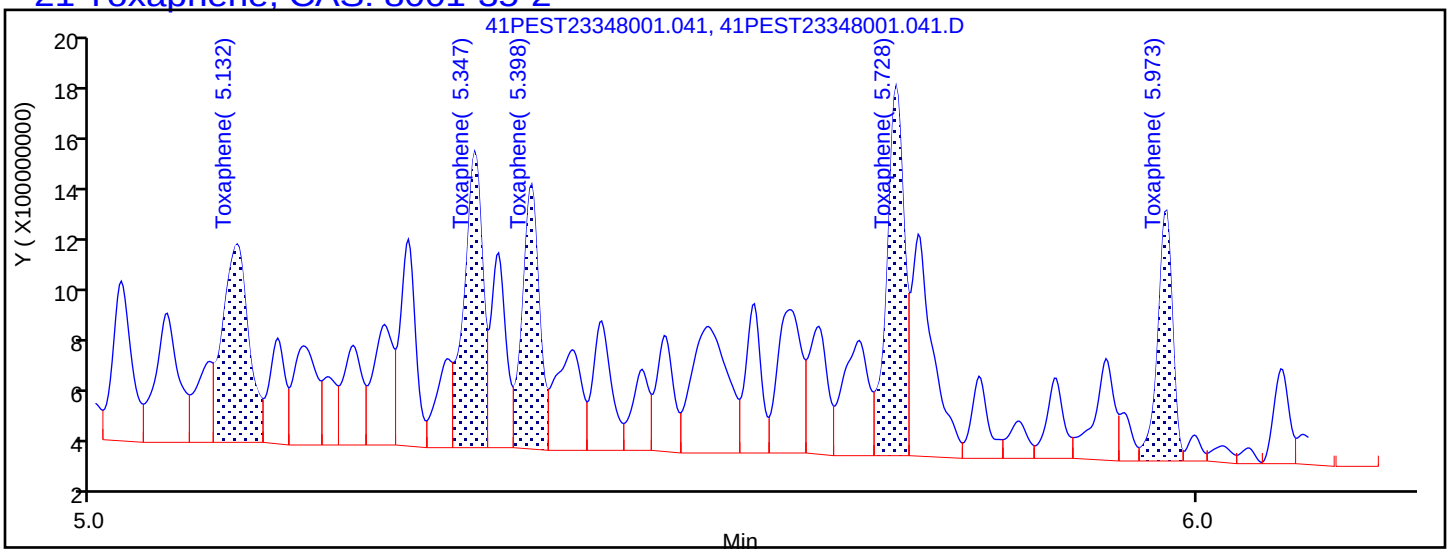
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 41

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

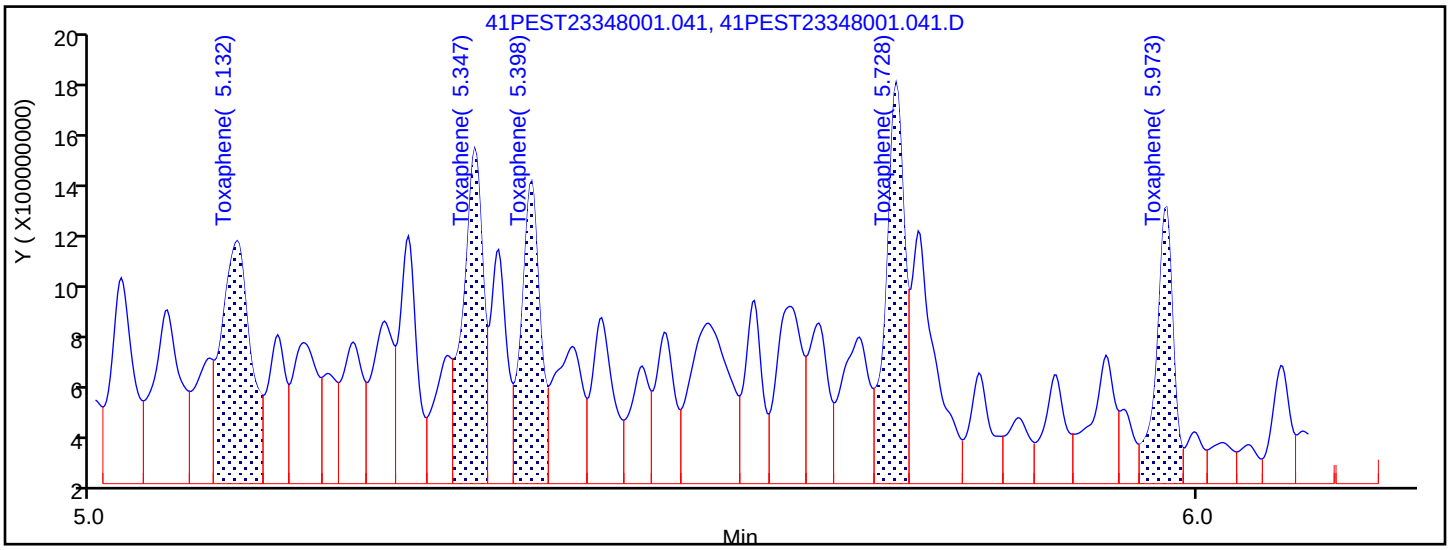
Column: Agilent DB-CLP1 (0.32 mm) Detector 1AECDA

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.132	Response = 731886371
5.347	Response = 1088843112
5.398	Response = 973241937
5.728	Response = 1360743974
5.973	Response = 922761662



Manual Integration Results

5.132	Response = 890641141	M
5.347	Response = 1230403641	M
5.398	Response = 1110670516	M
5.728	Response = 1471781391	M
5.973	Response = 1014205641	M

Reviewer: UKQ8, 15-Dec-2023 01:39:18 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: ICV 410-453851/41 Calibration Date: 12/14/2023 13:00

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348001.041.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	629762	671046		537	504	6.6	20.0
Toxaphene Peak 2	Ave	663442	746657		567	504	12.5	20.0
Toxaphene Peak 3	Ave	910424	1020880		565	504	12.1	20.0
Toxaphene Peak 4	Qua		913034		502	504	-0.3	20.0
Toxaphene Peak 5	Qua		1047044		509	504	1.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: ICV 410-453851/41 Calibration Date: 12/14/2023 13:00

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348001.041.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.29	5.27	5.33
Toxaphene Peak 2	5.52	5.49	5.55
Toxaphene Peak 3	5.70	5.67	5.73
Toxaphene Peak 4	5.75	5.73	5.79
Toxaphene Peak 5	6.09	6.06	6.12

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.041.D
Lims ID: icv tox
Client ID:
Sample Type: ICV
Inject. Date: 14-Dec-2023 13:00:00 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv t
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 15-Dec-2023 01:41:56 Calib Date: 14-Dec-2023 12:02:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.037.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1610

First Level Reviewer: UKQ8 Date: 15-Dec-2023 01:39:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	5.132	5.133	-0.001	890641141H	503.5	546.4	M
1	5.347	5.348	-0.001	1230403641H	503.5	544.2	M
1	5.398	5.400	-0.002	1110670516H	503.5	524.1	M
1	5.728	5.730	-0.002	1471781391H	503.5	529.0	M
1	5.973	5.973	0.000	1014205641H	503.5	490.0	M
		Average of Peak Amounts =				526.7	
2	5.293	5.297	-0.004	337871731H	503.5	536.5	
2	5.518	5.522	-0.004	375941924H	503.5	566.7	
2	5.698	5.700	-0.002	514012904H	503.5	564.6	
2	5.753	5.757	-0.004	459712450H	503.5	502.1	
2	6.088	6.092	-0.004	527186798H	503.5	508.7	
		Average of Peak Amounts =				535.7	
						RPD = 1.69	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOXICV_00015 Amount Added: 1.00 Units: mL

Report Date: 15-Dec-2023 01:42:24 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231214-101881.b\41PEST23348001.041.D

Injection Date: 14-Dec-2023 13:00:00 Instrument ID: 9147

Lims ID: icv tox

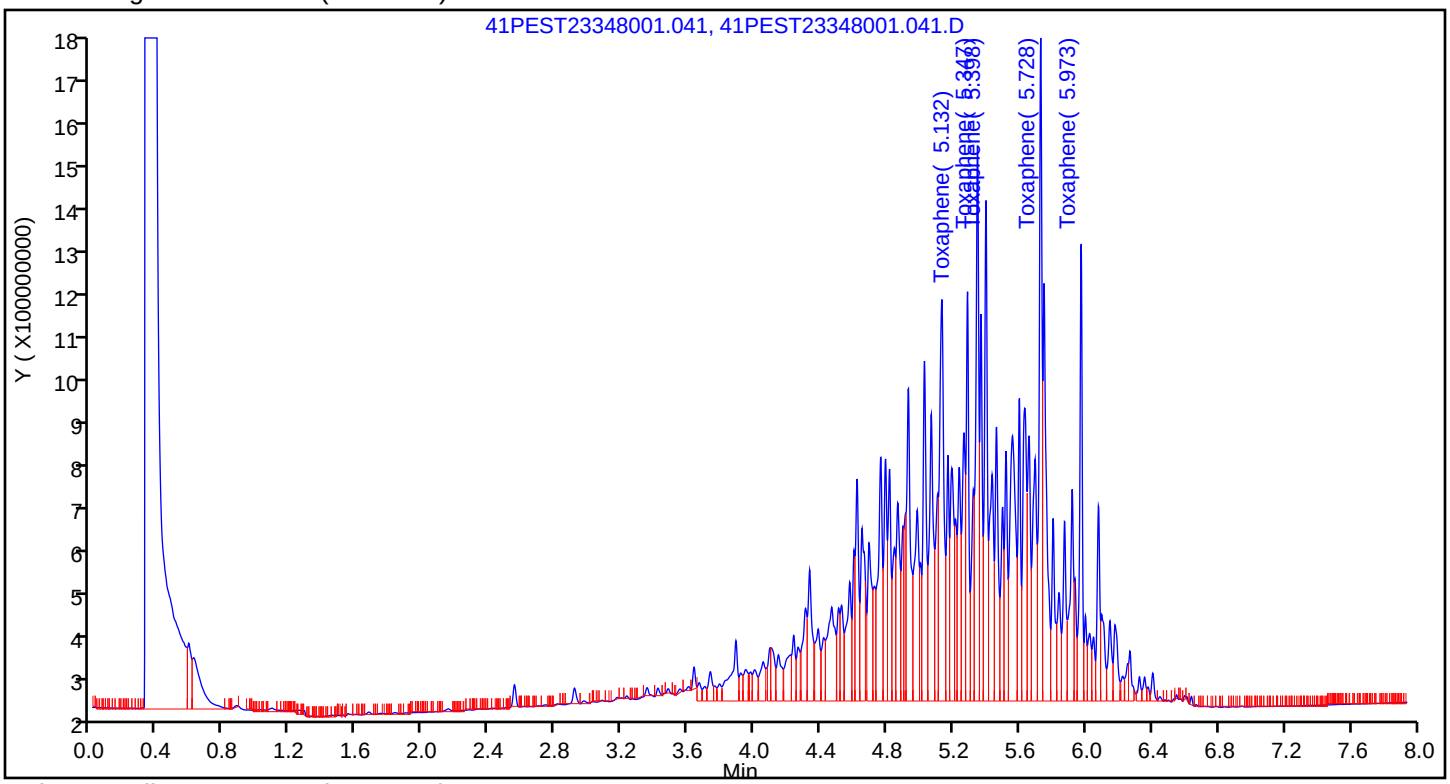
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 41

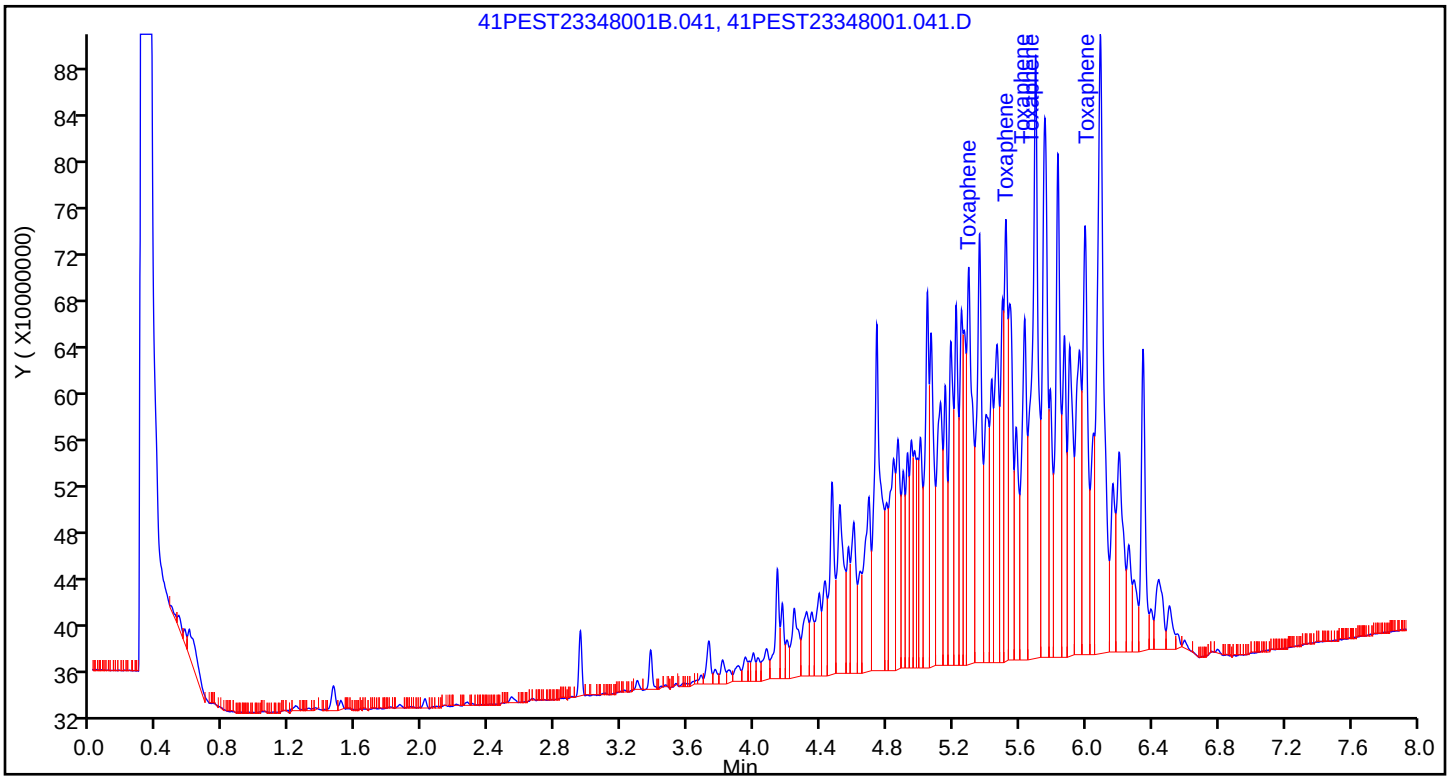
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: ICV 410-455561/13 Calibration Date: 12/19/2023 06:45

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348004.013.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	127611079	133486799		10.5	10.0	4.6	20.0
gamma-BHC (Lindane)	Ave	123411221	127718331		10.4	10.0	3.5	20.0
beta-BHC	Ave	53012979	59940367		11.3	10.0	13.1	20.0
Heptachlor	Ave	109936085	114524273		10.4	10.0	4.2	20.0
delta-BHC	Ave	140477776	145721027		10.6	10.2	3.7	20.0
Aldrin	Ave	124831220	117200275		9.70	10.3	-6.1	20.0
Heptachlor epoxide	Ave	122821268	129568324		10.6	10.0	5.5	20.0
gamma-Chlordane	Ave	128433797	115043620		9.20	10.3	-10.4	20.0
alpha-Chlordane	Ave	127436628	137676350		10.8	10.0	8.0	20.0
Endosulfan I	Ave	118260481	127167639		10.8	10.0	7.5	20.0
p,p'-DDE	Ave	141693812	147931749		10.5	10.1	4.4	20.0
Dieldrin	Ave	138941325	138934036		10.0	10.0	-0.0	20.0
Endrin	Ave	126235442	138558231		11.0	10.0	9.8	20.0
p,p'-DDD	Ave	120070019	123771261		10.3	10.0	3.1	20.0
Endosulfan II	Ave	123911266	133114178		10.8	10.0	7.4	20.0
p,p'-DDT	Ave	105408628	113127014		10.8	10.0	7.3	20.0
Endrin aldehyde	Ave	101556864	108741213		10.7	10.0	7.1	20.0
Endosulfan sulfate	Ave	117952138	117158566		9.96	10.0	-0.7	20.0
Methoxychlor	Ave	53889022	57513020		53.0	49.6	6.7	20.0
Endrin ketone	Ave	136177384	144413427		10.8	10.2	6.0	20.0
Tetrachloro-m-xylene (Surr)	Ave	81826366	80122904		39.1	40.0	-2.1	20.0
DCB Decachlorobiphenyl (Surr)	Ave	121170772	127845735		42.2	40.0	5.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: ICV 410-455561/13
Calibration Date: 12/19/2023 06:45

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348004.013.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.36	2.34	2.40
gamma-BHC (Lindane)	2.73	2.70	2.76
beta-BHC	2.98	2.95	3.01
Heptachlor	3.09	3.06	3.12
delta-BHC	3.27	3.24	3.30
Aldrin	3.40	3.37	3.43
Heptachlor epoxide	3.91	3.88	3.94
gamma-Chlordane	4.11	4.09	4.15
alpha-Chlordane	4.20	4.17	4.23
Endosulfan I	4.24	4.22	4.28
p,p'-DDE	4.37	4.35	4.41
Dieldrin	4.48	4.45	4.51
Endrin	4.73	4.71	4.77
p,p'-DDD	4.83	4.81	4.87
Endosulfan II	4.94	4.92	4.98
p,p'-DDT	5.04	5.02	5.08
Endrin aldehyde	5.12	5.09	5.15
Endosulfan sulfate	5.27	5.24	5.30
Methoxychlor	5.54	5.52	5.58
Endrin ketone	5.70	5.68	5.74
Tetrachloro-m-xylene (Surr)	1.78	1.75	1.81
DCB Decachlorobiphenyl (Surr)	6.45	6.43	6.49

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.013.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 19-Dec-2023 06:45:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv a
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 09:20:00 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.780	-0.003	3203313688H	40.0	39.1	
2	2.340	2.342	-0.002	1490258593H	40.0	37.6	
						RPD = 4.06	
2 alpha-BHC							
1	2.362	2.367	-0.005	1338872594H	10.0	10.5	
2	2.750	2.752	-0.002	1497696153H	10.0	10.3	
						RPD = 1.90	
4 gamma-BHC (Lindane)							
1	2.730	2.733	-0.003	1282292041H	10.0	10.4	
2	3.090	3.092	-0.002	1530369892H	10.0	10.4	
						RPD = 0.37	
5 beta-BHC							
1	2.980	2.983	-0.003	600602480H	10.0	11.3	
2	3.375	3.378	-0.003	639691669H	10.0	11.0	
						RPD = 2.83	
7 delta-BHC							
1	3.267	3.272	-0.005	1484897265H	10.2	10.6	
2	3.628	3.632	-0.004	1896367795H	10.2	10.4	
						RPD = 1.26	
8 Heptachlor							
1	3.088	3.093	-0.005	1146387977H	10.0	10.4	
2	3.688	3.692	-0.004	1699191812H	10.0	9.96	
						RPD = 4.64	
9 Aldrin							
1	3.398	3.403	-0.005	1210678844H	10.3	9.70	
2	3.988	3.992	-0.004	1638585147H	10.3	9.50	
						RPD = 2.04	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.908	3.913	-0.005	1296978927H	10.0	10.6	
2	4.375	4.378	-0.003	1594214159H	10.0	10.3	
						RPD = 2.65	
13 trans-Chlordane							
1	4.112	4.117	-0.005	1181497974H	10.3	9.20	
2	4.640	4.643	-0.003	1273377087H	10.3	9.10	
						RPD = 1.14	
14 cis-Chlordane							
1	4.195	4.200	-0.005	1378140264H	10.0	10.8	
2	4.680	4.683	-0.003	1410330640H	10.0	10.2	
						RPD = 5.67	
15 Endosulfan I							
1	4.240	4.245	-0.005	1272948066H	10.0	10.8	
2	4.710	4.713	-0.003	1357195023H	10.0	10.0	
						RPD = 6.98	
16 4,4'-DDE							
1	4.373	4.377	-0.004	1486714081H	10.1	10.5	
2	4.807	4.812	-0.005	1200382333H	10.1	10.1	
						RPD = 3.70	
18 Dieldrin							
1	4.478	4.483	-0.005	1390729701H	10.0	10.0	
2	4.915	4.918	-0.003	1102391651H	10.0	9.31	
						RPD = 7.21	
19 Endrin							
1	4.732	4.737	-0.005	1388353479H	10.0	11.0	
2	5.095	5.098	-0.003	886254633H	10.0	10.1	
						RPD = 8.94	
22 4,4'-DDD							
1	4.833	4.838	-0.005	1238950318H	10.0	10.3	
2	5.208	5.212	-0.004	531562086H	10.0	9.62	
						RPD = 6.96	
23 Endosulfan II							
1	4.942	4.947	-0.005	1336466345H	10.0	10.8	
2	5.298	5.302	-0.004	633058997H	10.0	10.2	
						RPD = 5.39	
25 Endrin aldehyde							
1	5.115	5.120	-0.005	1090674364H	10.0	10.7	
2	5.382	5.385	-0.003	479178501H	10.0	10.3	
						RPD = 4.09	
26 4,4'-DDT							
1	5.043	5.048	-0.005	1133532685H	10.0	10.8	
2	5.437	5.442	-0.005	369241906H	10.0	10.6	
						RPD = 1.06	
27 Endosulfan sulfate							
1	5.265	5.270	-0.005	1175100412H	10.0	9.96	
2	5.592	5.595	-0.003	491568048H	10.0	10.0	
						RPD = 0.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.542	5.547	-0.005	2854371161H	49.6	53.0	
2	5.763	5.767	-0.004	903285196H	49.6	49.2	
						RPD = 7.41	
29 Endrin ketone							
1	5.702	5.707	-0.005	1468684553H	10.2	10.8	
2	5.897	5.900	-0.003	618859789H	10.2	10.4	
						RPD = 3.25	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.455	-0.005	5113829416H	40.0	42.2	
2	6.950	6.953	-0.003	1783426936H	40.0	39.0	
						RPD = 8.00	

Reagents:

GCS_MIXAICV_00016 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 09:24:38 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.013.D

Injection Date: 19-Dec-2023 06:45:00 Instrument ID: 9147

Lims ID: icv

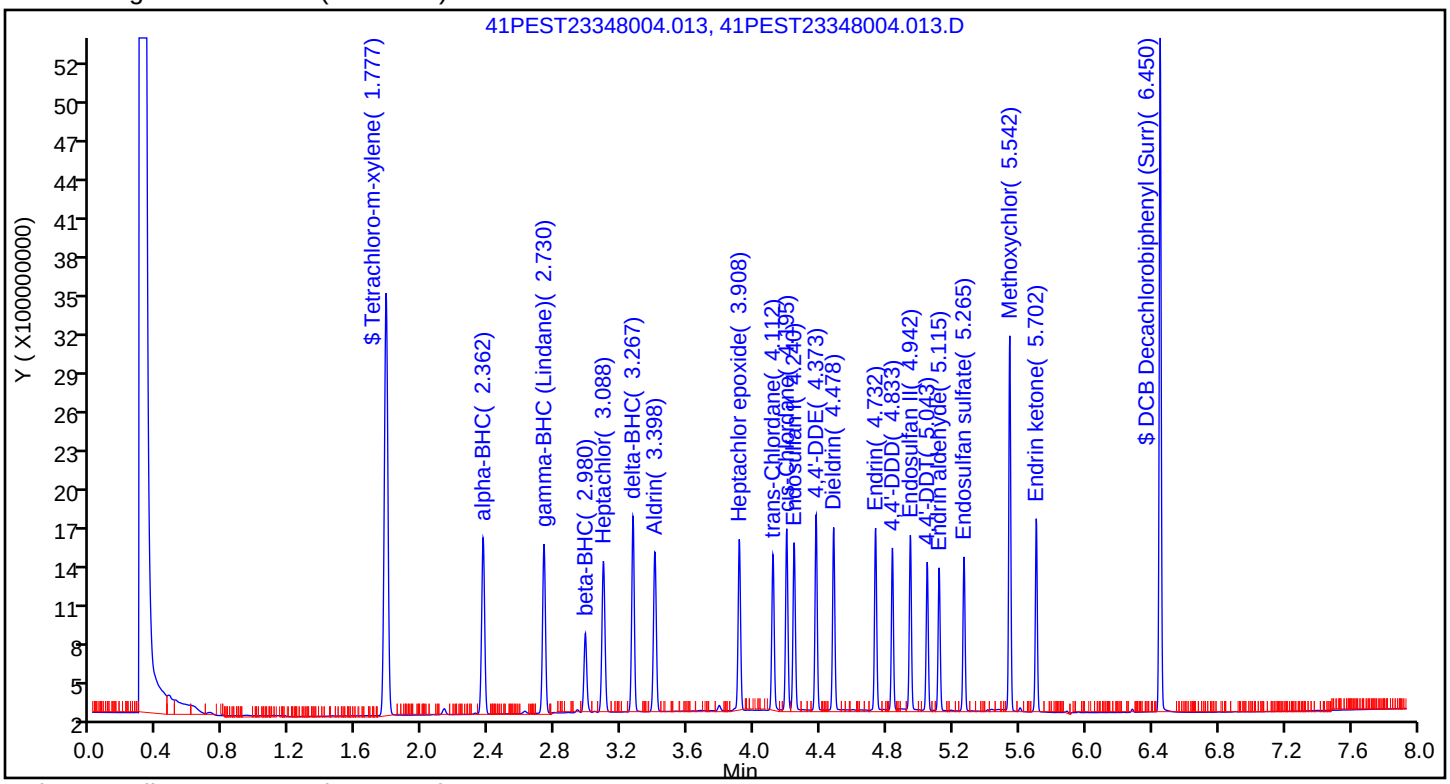
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 13

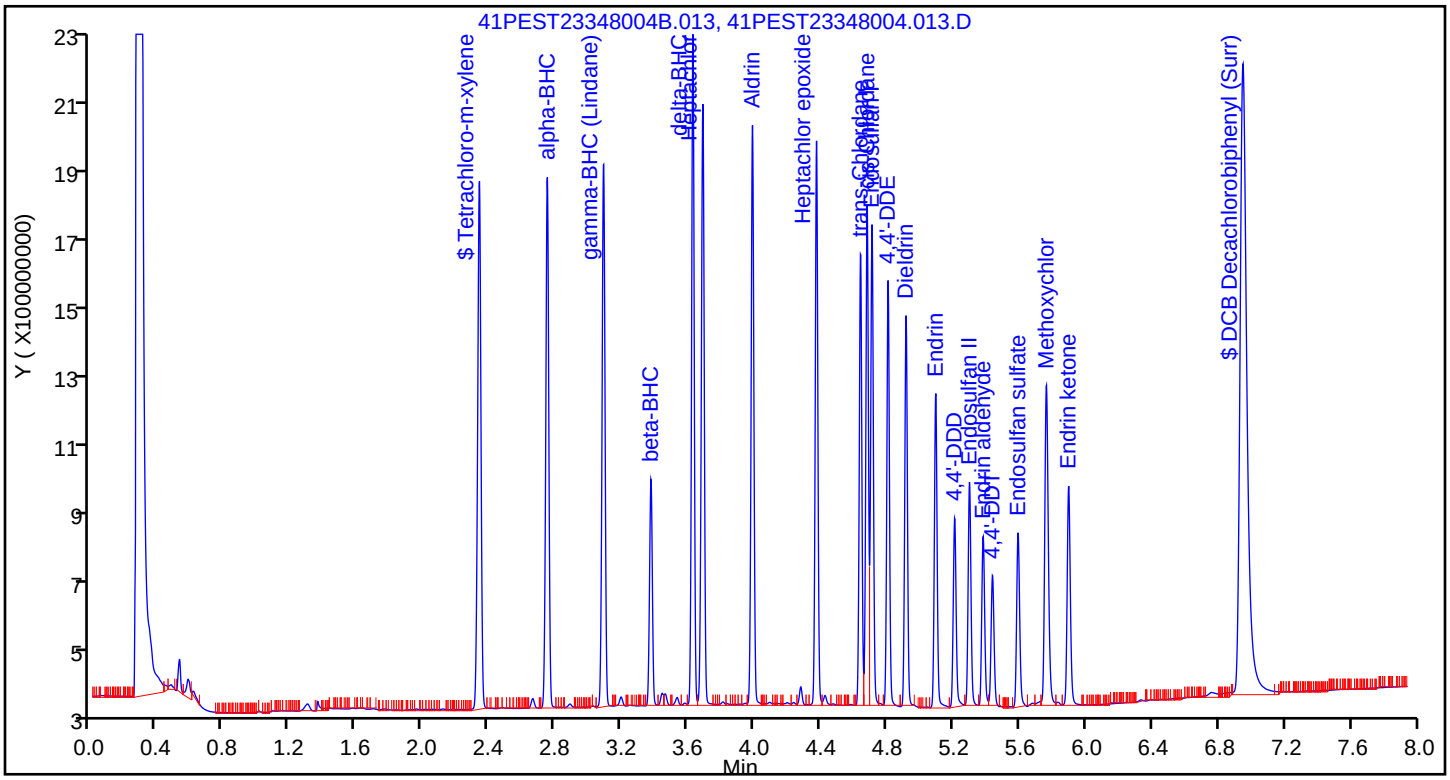
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: ICV 410-455561/13 Calibration Date: 12/19/2023 06:45

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348004.013.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	145485983	149321650		10.3	10.0	2.6	20.0
gamma-BHC (Lindane)	Ave	147825575	152427280		10.4	10.0	3.1	20.0
beta-BHC	Ave	58083955	63841484		11.0	10.0	9.9	20.0
delta-BHC	Ave	181671280	186100863		10.4	10.2	2.4	20.0
Heptachlor	Ave	170686055	169749432		9.96	10.0	-0.5	20.0
Aldrin	Ave	172429471	158623925		9.50	10.3	-8.0	20.0
Heptachlor epoxide	Ave	155018304	159262154		10.3	10.0	2.7	20.0
gamma-Chlordane	Ave	140007862	123989979		9.10	10.3	-11.4	20.0
alpha-Chlordane	Ave	138024307	140892172		10.2	10.0	2.1	20.0
Endosulfan I	Ave	135205080	135583918		10.0	10.0	0.3	20.0
p,p'-DDE	Ave	118712445	119441028		10.1	10.1	0.6	20.0
Dieldrin	Ave	118378353	110129036		9.31	10.0	-7.0	20.0
Endrin	Ave	88126851	88448566		10.1	10.0	0.4	20.0
p,p'-DDD	Ave	55231768	53103105		9.62	10.0	-3.9	20.0
Endosulfan II	Ave	61946954	63053685		10.2	10.0	1.8	20.0
Endrin aldehyde	Ave	46479185	47774527		10.3	10.0	2.8	20.0
p,p'-DDT	Ave	34702983	36850490		10.6	10.0	6.2	20.0
Endosulfan sulfate	Ave	49174589	49009775		10.0	10.0	-0.3	20.0
Methoxychlor	Ave	18365220	18200387		49.2	49.6	-0.9	20.0
Endrin ketone	Ave	59279358	60851503		10.4	10.2	2.7	20.0
Tetrachloro-m-xylene (Surr)	Ave	39644833	37275102		37.6	40.0	-6.0	20.0
DCB Decachlorobiphenyl (Surr)	Ave	45780379	44585673		39.0	40.0	-2.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: ICV 410-455561/13
Calibration Date: 12/19/2023 06:45

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348004.013.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.75	2.72	2.78
gamma-BHC (Lindane)	3.09	3.06	3.12
beta-BHC	3.38	3.35	3.41
delta-BHC	3.63	3.60	3.66
Heptachlor	3.69	3.66	3.72
Aldrin	3.99	3.96	4.02
Heptachlor epoxide	4.38	4.35	4.41
gamma-Chlordane	4.64	4.61	4.67
alpha-Chlordane	4.68	4.65	4.71
Endosulfan I	4.71	4.68	4.74
p,p'-DDE	4.81	4.78	4.84
Dieldrin	4.92	4.89	4.95
Endrin	5.10	5.07	5.13
p,p'-DDD	5.21	5.18	5.24
Endosulfan II	5.30	5.27	5.33
Endrin aldehyde	5.38	5.36	5.42
p,p'-DDT	5.44	5.41	5.47
Endosulfan sulfate	5.59	5.57	5.63
Methoxychlor	5.76	5.74	5.80
Endrin ketone	5.90	5.87	5.93
Tetrachloro-m-xylene (Surr)	2.34	2.31	2.37
DCB Decachlorobiphenyl (Surr)	6.95	6.92	6.98

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.013.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 19-Dec-2023 06:45:00 ALS Bottle#: 0 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv a
Operator ID: 492 Instrument ID: 9147
Sublist:

Method: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 19-Dec-2023 09:20:00 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1674

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.780	-0.003	3203313688H	40.0	39.1	
2	2.340	2.342	-0.002	1490258593H	40.0	37.6	
						RPD = 4.06	
2 alpha-BHC							
1	2.362	2.367	-0.005	1338872594H	10.0	10.5	
2	2.750	2.752	-0.002	1497696153H	10.0	10.3	
						RPD = 1.90	
4 gamma-BHC (Lindane)							
1	2.730	2.733	-0.003	1282292041H	10.0	10.4	
2	3.090	3.092	-0.002	1530369892H	10.0	10.4	
						RPD = 0.37	
5 beta-BHC							
1	2.980	2.983	-0.003	600602480H	10.0	11.3	
2	3.375	3.378	-0.003	639691669H	10.0	11.0	
						RPD = 2.83	
7 delta-BHC							
1	3.267	3.272	-0.005	1484897265H	10.2	10.6	
2	3.628	3.632	-0.004	1896367795H	10.2	10.4	
						RPD = 1.26	
8 Heptachlor							
1	3.088	3.093	-0.005	1146387977H	10.0	10.4	
2	3.688	3.692	-0.004	1699191812H	10.0	9.96	
						RPD = 4.64	
9 Aldrin							
1	3.398	3.403	-0.005	1210678844H	10.3	9.70	
2	3.988	3.992	-0.004	1638585147H	10.3	9.50	
						RPD = 2.04	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
11 Heptachlor epoxide							
1	3.908	3.913	-0.005	1296978927H	10.0	10.6	
2	4.375	4.378	-0.003	1594214159H	10.0	10.3	
						RPD = 2.65	
13 trans-Chlordane							
1	4.112	4.117	-0.005	1181497974H	10.3	9.20	
2	4.640	4.643	-0.003	1273377087H	10.3	9.10	
						RPD = 1.14	
14 cis-Chlordane							
1	4.195	4.200	-0.005	1378140264H	10.0	10.8	
2	4.680	4.683	-0.003	1410330640H	10.0	10.2	
						RPD = 5.67	
15 Endosulfan I							
1	4.240	4.245	-0.005	1272948066H	10.0	10.8	
2	4.710	4.713	-0.003	1357195023H	10.0	10.0	
						RPD = 6.98	
16 4,4'-DDE							
1	4.373	4.377	-0.004	1486714081H	10.1	10.5	
2	4.807	4.812	-0.005	1200382333H	10.1	10.1	
						RPD = 3.70	
18 Dieldrin							
1	4.478	4.483	-0.005	1390729701H	10.0	10.0	
2	4.915	4.918	-0.003	1102391651H	10.0	9.31	
						RPD = 7.21	
19 Endrin							
1	4.732	4.737	-0.005	1388353479H	10.0	11.0	
2	5.095	5.098	-0.003	886254633H	10.0	10.1	
						RPD = 8.94	
22 4,4'-DDD							
1	4.833	4.838	-0.005	1238950318H	10.0	10.3	
2	5.208	5.212	-0.004	531562086H	10.0	9.62	
						RPD = 6.96	
23 Endosulfan II							
1	4.942	4.947	-0.005	1336466345H	10.0	10.8	
2	5.298	5.302	-0.004	633058997H	10.0	10.2	
						RPD = 5.39	
25 Endrin aldehyde							
1	5.115	5.120	-0.005	1090674364H	10.0	10.7	
2	5.382	5.385	-0.003	479178501H	10.0	10.3	
						RPD = 4.09	
26 4,4'-DDT							
1	5.043	5.048	-0.005	1133532685H	10.0	10.8	
2	5.437	5.442	-0.005	369241906H	10.0	10.6	
						RPD = 1.06	
27 Endosulfan sulfate							
1	5.265	5.270	-0.005	1175100412H	10.0	9.96	
2	5.592	5.595	-0.003	491568048H	10.0	10.0	
						RPD = 0.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.542	5.547	-0.005	2854371161H	49.6	53.0	
2	5.763	5.767	-0.004	903285196H	49.6	49.2	
						RPD = 7.41	
29 Endrin ketone							
1	5.702	5.707	-0.005	1468684553H	10.2	10.8	
2	5.897	5.900	-0.003	618859789H	10.2	10.4	
						RPD = 3.25	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.455	-0.005	5113829416H	40.0	42.2	
2	6.950	6.953	-0.003	1783426936H	40.0	39.0	
						RPD = 8.00	

Reagents:

GCS_MIXAICV_00016 Amount Added: 1.00 Units: mL

Report Date: 19-Dec-2023 09:24:39 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.013.D

Injection Date: 19-Dec-2023 06:45:00 Instrument ID: 9147

Lims ID: icv

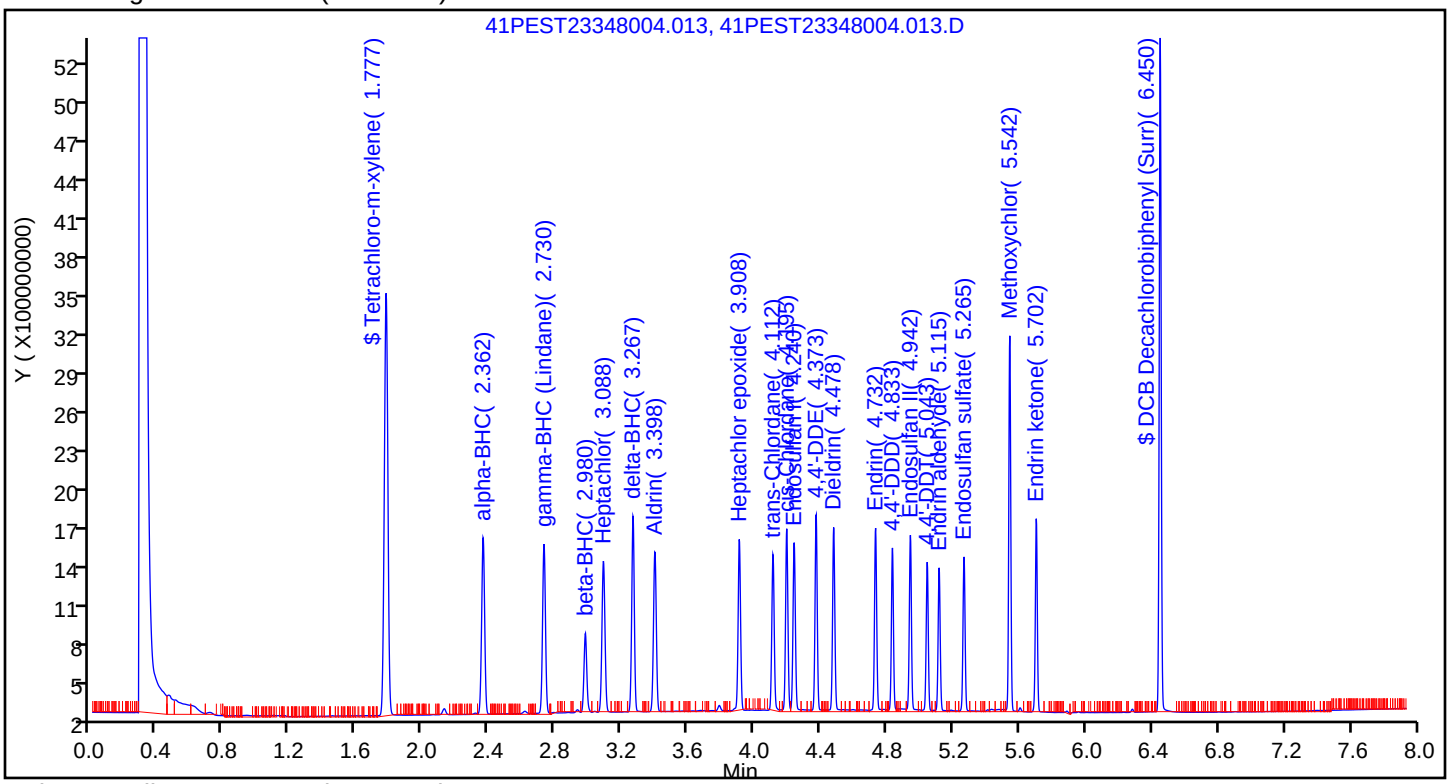
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 13

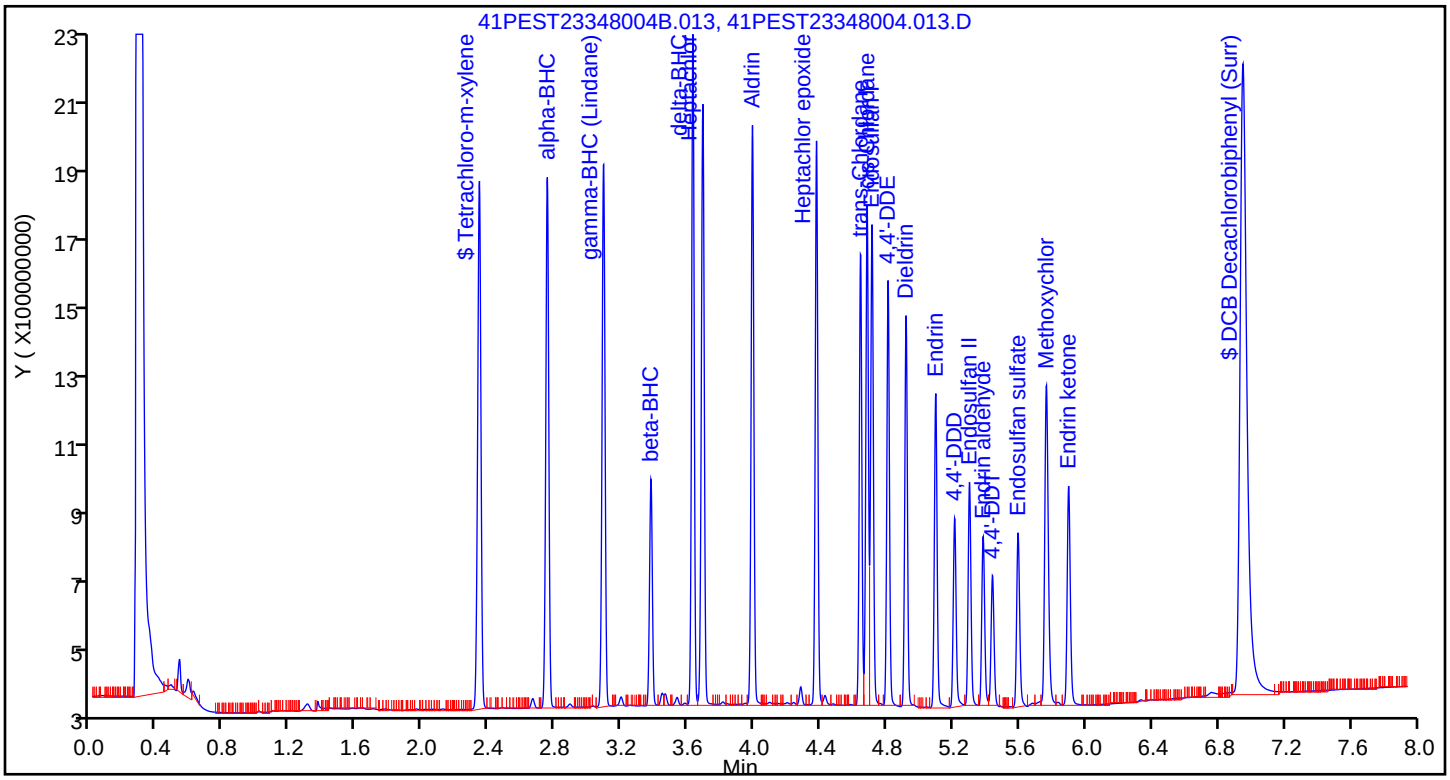
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCVRT 410-456082/3 Calibration Date: 12/20/2023 01:49

Instrument ID: 9147 Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.003.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	119212878	115545811		4.86	5.01	-3.1	20.0
Telodrin	Ave	97390984	82349191		4.25	5.03	-15.4	20.0
Mirex	Ave	82669031	92603528		28.1	25.1	12.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCVRT 410-456082/3 Calibration Date: 12/20/2023 01:49

Instrument ID: 9147 Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.003.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	2.27	2.24	2.30
Telodrin	3.51	3.48	3.54
Mirex	5.79	5.76	5.82

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.003.D
Lims ID: ccvrt
Client ID:
Sample Type: CCVRT
Inject. Date: 20-Dec-2023 01:49:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 09:53:09 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.778	0.000	3407777603H	40.2	41.6	
2	2.340	2.340	0.000	1484719975H	40.2	37.5	
						RPD = 10.61	
2 alpha-BHC							
1	2.363	2.363	0.000	1345321503H	10.0	10.5	
2	2.750	2.750	0.000	1374908571H	10.0	9.45	
						RPD = 10.92	
3 Hexachlorobenzene							
1	2.270	2.270	0.000	578884512H	5.01	4.86	
2	2.833	2.833	0.000	889032229H	5.01	4.63	
						RPD = 4.66	
4 gamma-BHC (Lindane)							
1	2.732	2.732	0.000	1259796086H	10.1	10.2	
2	3.088	3.088	0.000	1457748462H	10.1	9.86	
						RPD = 3.46	
5 beta-BHC							
1	2.982	2.982	0.000	529554084H	10.1	9.99	
2	3.375	3.375	0.000	553463505H	10.1	9.53	
						RPD = 4.72	
7 delta-BHC							
1	3.268	3.268	0.000	1406814629H	10.0	10.0	
2	3.628	3.628	0.000	1842755985H	10.0	10.1	
						RPD = 1.28	
8 Heptachlor							
1	3.090	3.090	0.000	1112511657H	10.0	10.1	
2	3.688	3.688	0.000	1670083223H	10.0	9.78	
						RPD = 3.37	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.400	3.400	0.000	1285119667H	10.0	10.3	
2	3.988	3.988	0.000	1702304292H	10.0	9.87	
						RPD = 4.19	
10 Isobenzan							
1	3.510	3.510	0.000	414216429H	5.03	4.25	
2	4.102	4.102	0.000	596927631H	5.03	4.47	
						RPD = 4.90	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	1223955176H	10.1	9.97	
2	4.375	4.375	0.000	1549941274H	10.1	10.0	
						RPD = 0.33	
13 trans-Chlordane							
1	4.113	4.113	0.000	1314532054H	10.0	10.2	
2	4.640	4.640	0.000	1343431151H	10.0	9.60	
						RPD = 6.45	
14 cis-Chlordane							
1	4.197	4.197	0.000	1287303783H	10.1	10.1	
2	4.680	4.680	0.000	1316947727H	10.1	9.54	
						RPD = 5.70	
15 Endosulfan I							
1	4.242	4.242	0.000	1232847839H	10.1	10.4	
2	4.710	4.710	0.000	1286299159H	10.1	9.51	
						RPD = 9.14	
16 4,4'-DDE							
1	4.373	4.373	0.000	3034484378H	20.1	21.4	
2	4.807	4.807	0.000	2298658591H	20.1	19.4	
						RPD = 10.07	
18 Dieldrin							
1	4.480	4.480	0.000	2946364760H	20.0	21.2	
2	4.915	4.915	0.000	2221948497H	20.0	18.8	
						RPD = 12.19	
19 Endrin							
1	4.733	4.733	0.000	2639078575H	20.0	20.9	
2	5.093	5.093	0.000	1588333810H	20.0	18.0	
						RPD = 14.81	
22 4,4'-DDD							
1	4.835	4.835	0.000	2537514952H	20.0	21.1	
2	5.208	5.208	0.000	983457559H	20.0	17.8	
						RPD = 17.09	
23 Endosulfan II							
1	4.942	4.942	0.000	2525712335H	20.0	20.4	
2	5.298	5.298	0.000	1124204648H	20.0	18.1	
						RPD = 11.60	
25 Endrin aldehyde							
1	5.117	5.117	0.000	2098419052H	20.0	20.7	
2	5.380	5.380	0.000	849842427H	20.0	18.3	
						RPD = 12.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.043	5.043	0.000	2342557211H	20.0	22.2	
2	5.437	5.437	0.000	685652347H	20.0	19.8	
						RPD = 11.75	
27 Endosulfan sulfate							
1	5.267	5.267	0.000	2437317489H	20.0	20.7	
2	5.592	5.592	0.000	935744597H	20.0	19.0	
						RPD = 8.24	
28 Methoxychlor							
1	5.543	5.543	0.000	5667439583H	100.8	105.2	
2	5.762	5.762	0.000	1913192061H	100.8	104.2	
						RPD = 0.95	
29 Endrin ketone							
1	5.702	5.702	0.000	2891279529H	20.1	21.2	
2	5.897	5.897	0.000	1216609413H	20.1	20.5	
						RPD = 3.39	
30 Mirex							
1	5.793	5.793	0.000	2326663644H	25.1	28.1	
2	6.257	6.257	0.000	940503310H	25.1	27.7	
						RPD = 1.73	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	5018468331H	40.3	41.4	
2	6.945	6.945	0.000	1876360806H	40.3	41.0	
						RPD = 1.04	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 09:53:10 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.003.D

Injection Date: 20-Dec-2023 01:49:00 Instrument ID: 9147

Lims ID: ccvrt

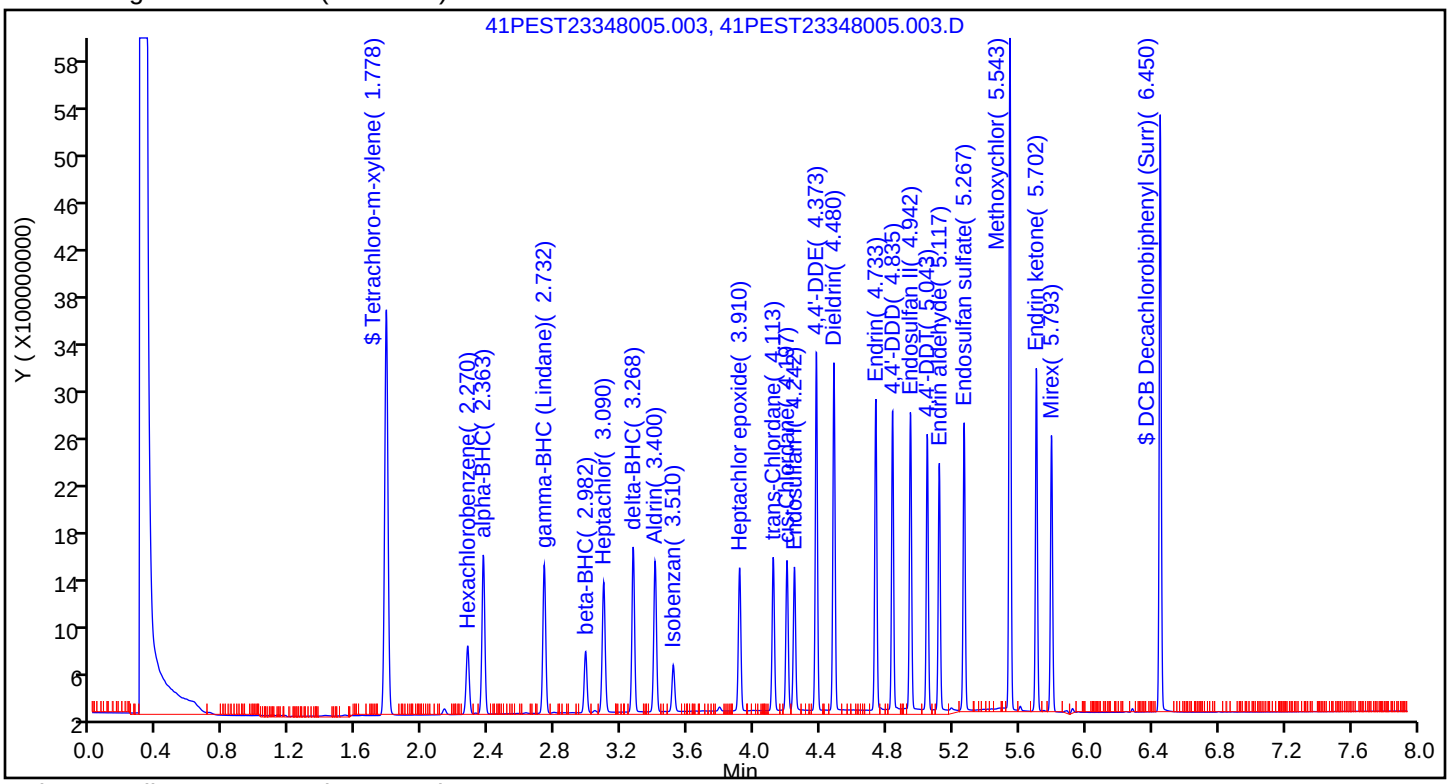
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 3

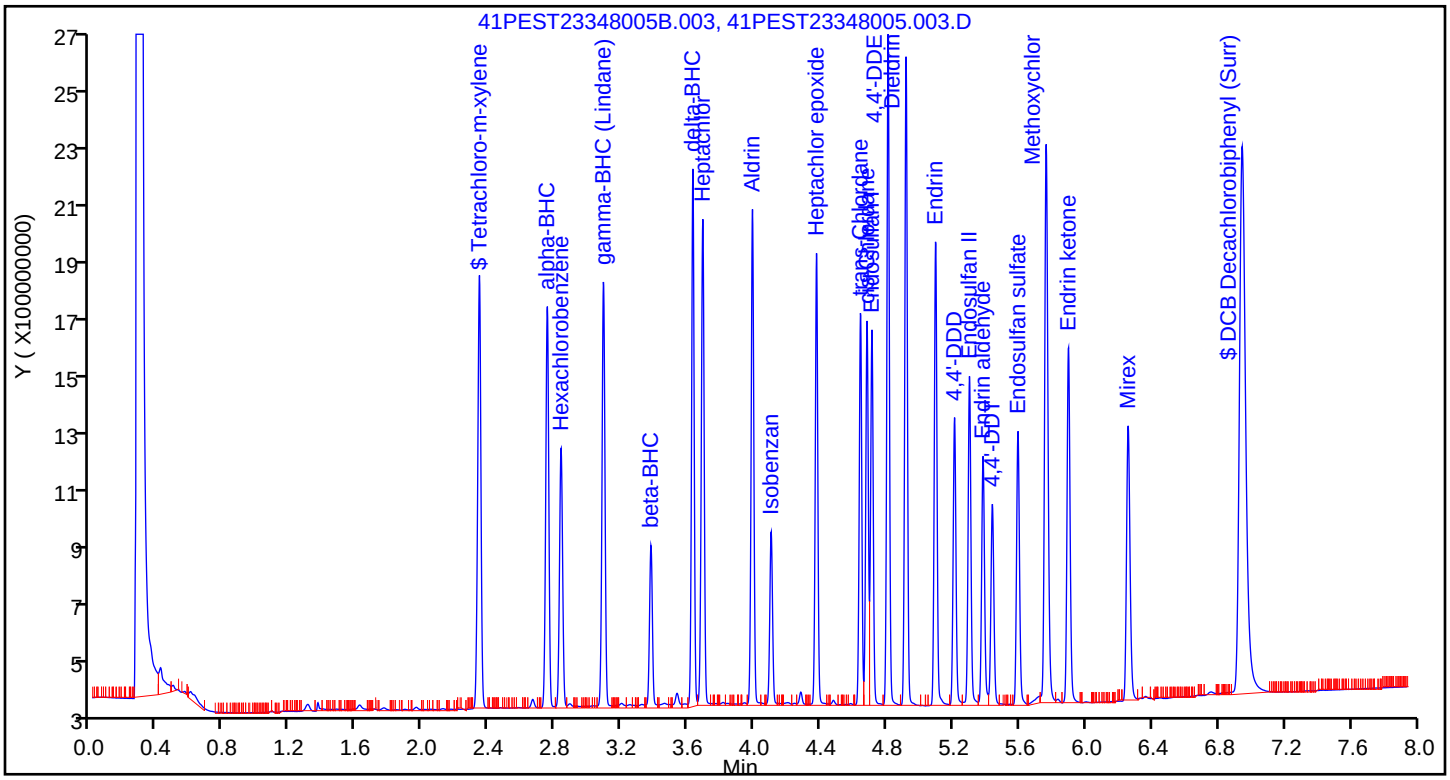
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCVRT 410-456082/3 Calibration Date: 12/20/2023 01:49

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.003.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	127611079	134532150		10.5	10.0	5.4	20.0
gamma-BHC (Lindane)	Ave	123411221	124424305		10.2	10.1	0.8	20.0
beta-BHC	Ave	53012979	52301638		9.99	10.1	-1.3	20.0
Heptachlor	Ave	109936085	111251166		10.1	10.0	1.2	20.0
delta-BHC	Ave	140477776	140681463		10.0	10.0	0.1	20.0
Aldrin	Ave	124831220	128511967		10.3	10.0	2.9	20.0
Heptachlor epoxide	Ave	122821268	120884462		9.97	10.1	-1.6	20.0
gamma-Chlordane	Ave	128433797	131453205		10.2	10.0	2.4	20.0
alpha-Chlordane	Ave	127436628	127141114		10.1	10.1	-0.2	20.0
Endosulfan I	Ave	118260481	121762750		10.4	10.1	3.0	20.0
p,p'-DDE	Ave	141693812	150781832		21.4	20.1	6.4	20.0
Dieldrin	Ave	138941325	147318238		21.2	20.0	6.0	20.0
Endrin	Ave	126235442	131953929		20.9	20.0	4.5	20.0
p,p'-DDD	Ave	120070019	126875748		21.1	20.0	5.7	20.0
Endosulfan II	Ave	123911266	126285617		20.4	20.0	1.9	20.0
p,p'-DDT	Ave	105408628	117127861		22.2	20.0	11.1	20.0
Endrin aldehyde	Ave	101556864	104920953		20.7	20.0	3.3	20.0
Endosulfan sulfate	Ave	117952138	121865874		20.7	20.0	3.3	20.0
Methoxychlor	Ave	53889022	56252502		105	101	4.4	20.0
Endrin ketone	Ave	136177384	143666064		21.2	20.1	5.5	20.0
Tetrachloro-m-xylene (Surr)	Ave	81826366	84686322		41.6	40.2	3.5	20.0
DCB Decachlorobiphenyl (Surr)	Ave	121170772	124404272		41.4	40.3	2.7	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCVRT 410-456082/3
Calibration Date: 12/20/2023 01:49

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.003.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.36	2.33	2.39
gamma-BHC (Lindane)	2.73	2.70	2.76
beta-BHC	2.98	2.95	3.01
Heptachlor	3.09	3.06	3.12
delta-BHC	3.27	3.24	3.30
Aldrin	3.40	3.37	3.43
Heptachlor epoxide	3.91	3.88	3.94
gamma-Chlordane	4.11	4.08	4.14
alpha-Chlordane	4.20	4.17	4.23
Endosulfan I	4.24	4.21	4.27
p,p'-DDE	4.37	4.34	4.40
Dieldrin	4.48	4.45	4.51
Endrin	4.73	4.70	4.76
p,p'-DDD	4.84	4.81	4.87
Endosulfan II	4.94	4.91	4.97
p,p'-DDT	5.04	5.01	5.07
Endrin aldehyde	5.12	5.09	5.15
Endosulfan sulfate	5.27	5.24	5.30
Methoxychlor	5.54	5.51	5.57
Endrin ketone	5.70	5.67	5.73
Tetrachloro-m-xylene (Surr)	1.78	1.75	1.81
DCB Decachlorobiphenyl (Surr)	6.45	6.42	6.48

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.003.D
Lims ID: ccvrt
Client ID:
Sample Type: CCVRT
Inject. Date: 20-Dec-2023 01:49:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 09:53:09 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.778	0.000	3407777603H	40.2	41.6	
2	2.340	2.340	0.000	1484719975H	40.2	37.5	
						RPD = 10.61	
2 alpha-BHC							
1	2.363	2.363	0.000	1345321503H	10.0	10.5	
2	2.750	2.750	0.000	1374908571H	10.0	9.45	
						RPD = 10.92	
3 Hexachlorobenzene							
1	2.270	2.270	0.000	578884512H	5.01	4.86	
2	2.833	2.833	0.000	889032229H	5.01	4.63	
						RPD = 4.66	
4 gamma-BHC (Lindane)							
1	2.732	2.732	0.000	1259796086H	10.1	10.2	
2	3.088	3.088	0.000	1457748462H	10.1	9.86	
						RPD = 3.46	
5 beta-BHC							
1	2.982	2.982	0.000	529554084H	10.1	9.99	
2	3.375	3.375	0.000	553463505H	10.1	9.53	
						RPD = 4.72	
7 delta-BHC							
1	3.268	3.268	0.000	1406814629H	10.0	10.0	
2	3.628	3.628	0.000	1842755985H	10.0	10.1	
						RPD = 1.28	
8 Heptachlor							
1	3.090	3.090	0.000	1112511657H	10.0	10.1	
2	3.688	3.688	0.000	1670083223H	10.0	9.78	
						RPD = 3.37	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.400	3.400	0.000	1285119667H	10.0	10.3	
2	3.988	3.988	0.000	1702304292H	10.0	9.87	
						RPD = 4.19	
10 Isobenzan							
1	3.510	3.510	0.000	414216429H	5.03	4.25	
2	4.102	4.102	0.000	596927631H	5.03	4.47	
						RPD = 4.90	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	1223955176H	10.1	9.97	
2	4.375	4.375	0.000	1549941274H	10.1	10.0	
						RPD = 0.33	
13 trans-Chlordane							
1	4.113	4.113	0.000	1314532054H	10.0	10.2	
2	4.640	4.640	0.000	1343431151H	10.0	9.60	
						RPD = 6.45	
14 cis-Chlordane							
1	4.197	4.197	0.000	1287303783H	10.1	10.1	
2	4.680	4.680	0.000	1316947727H	10.1	9.54	
						RPD = 5.70	
15 Endosulfan I							
1	4.242	4.242	0.000	1232847839H	10.1	10.4	
2	4.710	4.710	0.000	1286299159H	10.1	9.51	
						RPD = 9.14	
16 4,4'-DDE							
1	4.373	4.373	0.000	3034484378H	20.1	21.4	
2	4.807	4.807	0.000	2298658591H	20.1	19.4	
						RPD = 10.07	
18 Dieldrin							
1	4.480	4.480	0.000	2946364760H	20.0	21.2	
2	4.915	4.915	0.000	2221948497H	20.0	18.8	
						RPD = 12.19	
19 Endrin							
1	4.733	4.733	0.000	2639078575H	20.0	20.9	
2	5.093	5.093	0.000	1588333810H	20.0	18.0	
						RPD = 14.81	
22 4,4'-DDD							
1	4.835	4.835	0.000	2537514952H	20.0	21.1	
2	5.208	5.208	0.000	983457559H	20.0	17.8	
						RPD = 17.09	
23 Endosulfan II							
1	4.942	4.942	0.000	2525712335H	20.0	20.4	
2	5.298	5.298	0.000	1124204648H	20.0	18.1	
						RPD = 11.60	
25 Endrin aldehyde							
1	5.117	5.117	0.000	2098419052H	20.0	20.7	
2	5.380	5.380	0.000	849842427H	20.0	18.3	
						RPD = 12.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.043	5.043	0.000	2342557211H	20.0	22.2	
2	5.437	5.437	0.000	685652347H	20.0	19.8	
						RPD = 11.75	
27 Endosulfan sulfate							
1	5.267	5.267	0.000	2437317489H	20.0	20.7	
2	5.592	5.592	0.000	935744597H	20.0	19.0	
						RPD = 8.24	
28 Methoxychlor							
1	5.543	5.543	0.000	5667439583H	100.8	105.2	
2	5.762	5.762	0.000	1913192061H	100.8	104.2	
						RPD = 0.95	
29 Endrin ketone							
1	5.702	5.702	0.000	2891279529H	20.1	21.2	
2	5.897	5.897	0.000	1216609413H	20.1	20.5	
						RPD = 3.39	
30 Mirex							
1	5.793	5.793	0.000	2326663644H	25.1	28.1	
2	6.257	6.257	0.000	940503310H	25.1	27.7	
						RPD = 1.73	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	5018468331H	40.3	41.4	
2	6.945	6.945	0.000	1876360806H	40.3	41.0	
						RPD = 1.04	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 09:53:10 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.003.D

Injection Date: 20-Dec-2023 01:49:00 Instrument ID: 9147

Lims ID: ccvrt

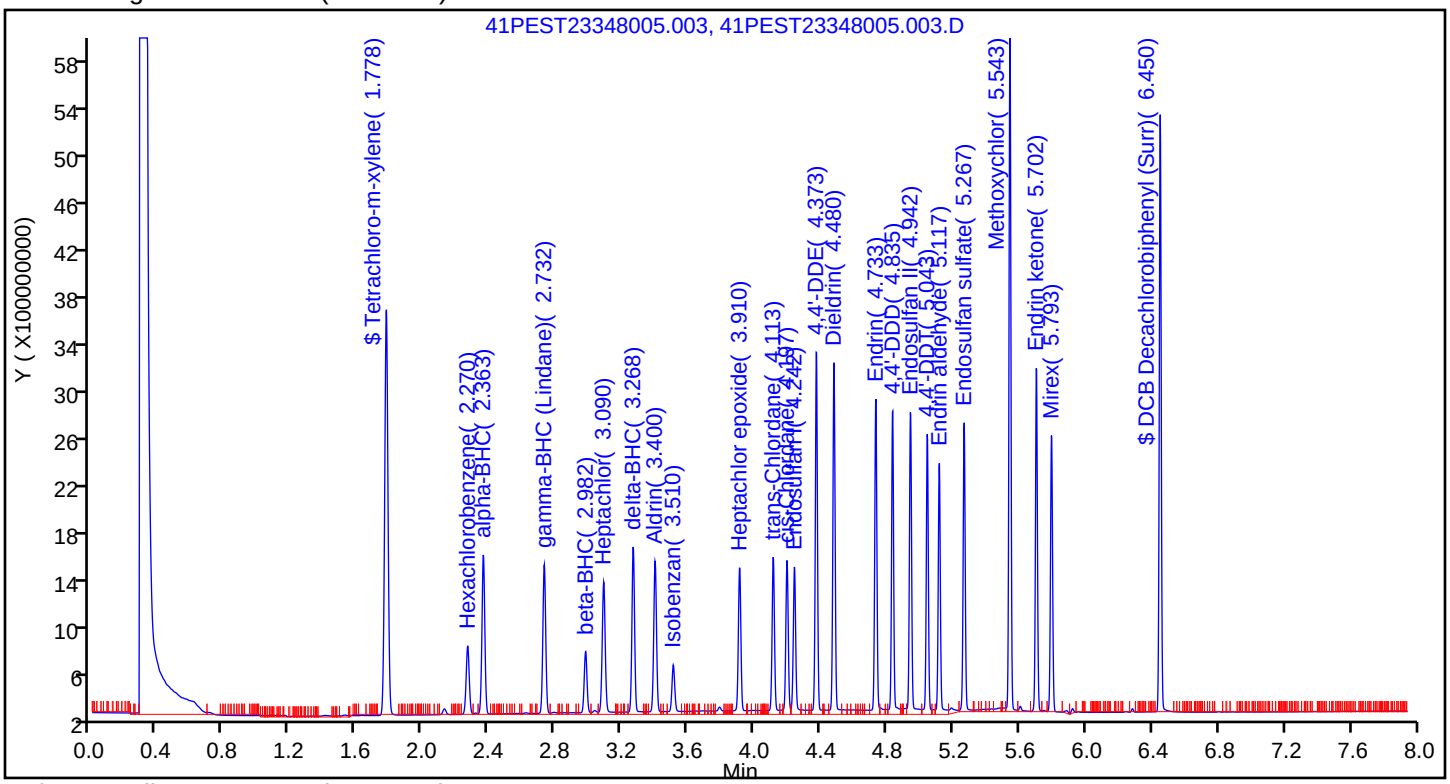
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 3

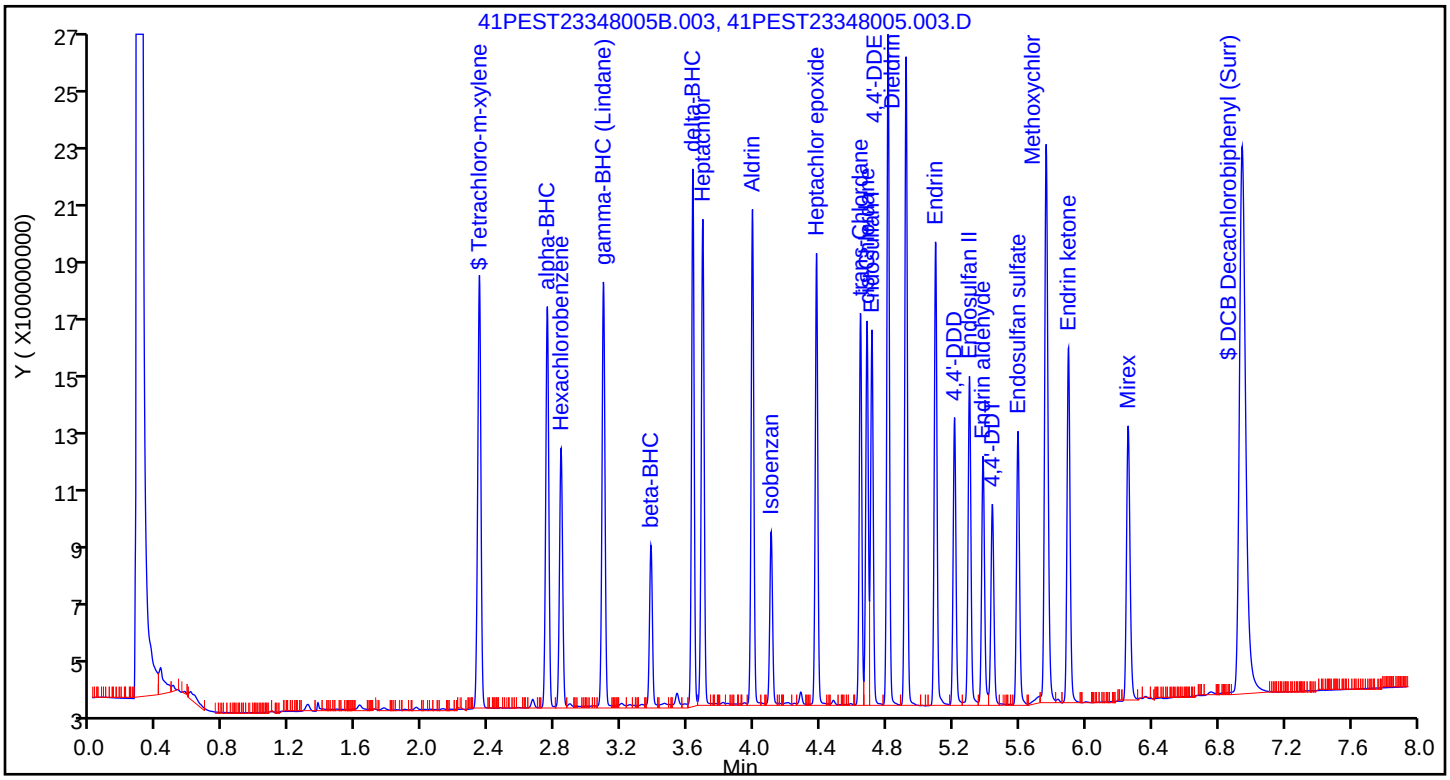
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCVRT 410-456082/3 Calibration Date: 12/20/2023 01:49

Instrument ID: 9147 Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.003.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	191814623	177451543		4.63	5.01	-7.5	20.0
Telodrin	Ave	133633746	118673485		4.47	5.03	-11.2	20.0
Mirex	Ave	34000414	37432968		27.7	25.1	10.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCVRT 410-456082/3
Calibration Date: 12/20/2023 01:49

Instrument ID: 9147
Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.003.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	2.83	2.80	2.86
Telodrin	4.10	4.07	4.13
Mirex	6.26	6.23	6.29

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.003.D
Lims ID: ccvrt
Client ID:
Sample Type: CCVRT
Inject. Date: 20-Dec-2023 01:49:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 09:53:09 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.778	0.000	3407777603H	40.2	41.6	
2	2.340	2.340	0.000	1484719975H	40.2	37.5	
						RPD = 10.61	
2 alpha-BHC							
1	2.363	2.363	0.000	1345321503H	10.0	10.5	
2	2.750	2.750	0.000	1374908571H	10.0	9.45	
						RPD = 10.92	
3 Hexachlorobenzene							
1	2.270	2.270	0.000	578884512H	5.01	4.86	
2	2.833	2.833	0.000	889032229H	5.01	4.63	
						RPD = 4.66	
4 gamma-BHC (Lindane)							
1	2.732	2.732	0.000	1259796086H	10.1	10.2	
2	3.088	3.088	0.000	1457748462H	10.1	9.86	
						RPD = 3.46	
5 beta-BHC							
1	2.982	2.982	0.000	529554084H	10.1	9.99	
2	3.375	3.375	0.000	553463505H	10.1	9.53	
						RPD = 4.72	
7 delta-BHC							
1	3.268	3.268	0.000	1406814629H	10.0	10.0	
2	3.628	3.628	0.000	1842755985H	10.0	10.1	
						RPD = 1.28	
8 Heptachlor							
1	3.090	3.090	0.000	1112511657H	10.0	10.1	
2	3.688	3.688	0.000	1670083223H	10.0	9.78	
						RPD = 3.37	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.400	3.400	0.000	1285119667H	10.0	10.3	
2	3.988	3.988	0.000	1702304292H	10.0	9.87	
						RPD = 4.19	
10 Isobenzan							
1	3.510	3.510	0.000	414216429H	5.03	4.25	
2	4.102	4.102	0.000	596927631H	5.03	4.47	
						RPD = 4.90	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	1223955176H	10.1	9.97	
2	4.375	4.375	0.000	1549941274H	10.1	10.0	
						RPD = 0.33	
13 trans-Chlordane							
1	4.113	4.113	0.000	1314532054H	10.0	10.2	
2	4.640	4.640	0.000	1343431151H	10.0	9.60	
						RPD = 6.45	
14 cis-Chlordane							
1	4.197	4.197	0.000	1287303783H	10.1	10.1	
2	4.680	4.680	0.000	1316947727H	10.1	9.54	
						RPD = 5.70	
15 Endosulfan I							
1	4.242	4.242	0.000	1232847839H	10.1	10.4	
2	4.710	4.710	0.000	1286299159H	10.1	9.51	
						RPD = 9.14	
16 4,4'-DDE							
1	4.373	4.373	0.000	3034484378H	20.1	21.4	
2	4.807	4.807	0.000	2298658591H	20.1	19.4	
						RPD = 10.07	
18 Dieldrin							
1	4.480	4.480	0.000	2946364760H	20.0	21.2	
2	4.915	4.915	0.000	2221948497H	20.0	18.8	
						RPD = 12.19	
19 Endrin							
1	4.733	4.733	0.000	2639078575H	20.0	20.9	
2	5.093	5.093	0.000	1588333810H	20.0	18.0	
						RPD = 14.81	
22 4,4'-DDD							
1	4.835	4.835	0.000	2537514952H	20.0	21.1	
2	5.208	5.208	0.000	983457559H	20.0	17.8	
						RPD = 17.09	
23 Endosulfan II							
1	4.942	4.942	0.000	2525712335H	20.0	20.4	
2	5.298	5.298	0.000	1124204648H	20.0	18.1	
						RPD = 11.60	
25 Endrin aldehyde							
1	5.117	5.117	0.000	2098419052H	20.0	20.7	
2	5.380	5.380	0.000	849842427H	20.0	18.3	
						RPD = 12.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.043	5.043	0.000	2342557211H	20.0	22.2	
2	5.437	5.437	0.000	685652347H	20.0	19.8	
						RPD = 11.75	
27 Endosulfan sulfate							
1	5.267	5.267	0.000	2437317489H	20.0	20.7	
2	5.592	5.592	0.000	935744597H	20.0	19.0	
						RPD = 8.24	
28 Methoxychlor							
1	5.543	5.543	0.000	5667439583H	100.8	105.2	
2	5.762	5.762	0.000	1913192061H	100.8	104.2	
						RPD = 0.95	
29 Endrin ketone							
1	5.702	5.702	0.000	2891279529H	20.1	21.2	
2	5.897	5.897	0.000	1216609413H	20.1	20.5	
						RPD = 3.39	
30 Mirex							
1	5.793	5.793	0.000	2326663644H	25.1	28.1	
2	6.257	6.257	0.000	940503310H	25.1	27.7	
						RPD = 1.73	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	5018468331H	40.3	41.4	
2	6.945	6.945	0.000	1876360806H	40.3	41.0	
						RPD = 1.04	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 09:53:10 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.003.D

Injection Date: 20-Dec-2023 01:49:00 Instrument ID: 9147

Lims ID: ccvrt

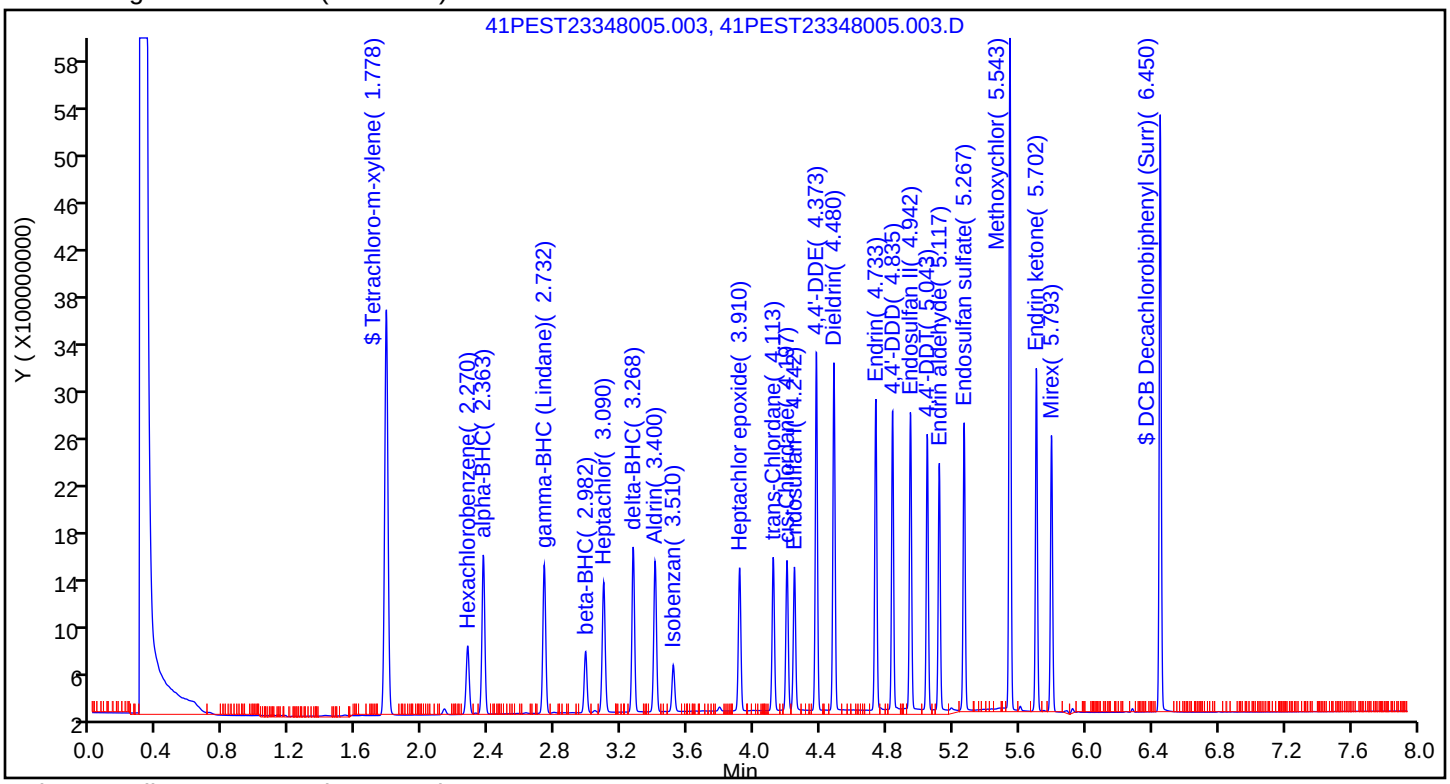
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 3

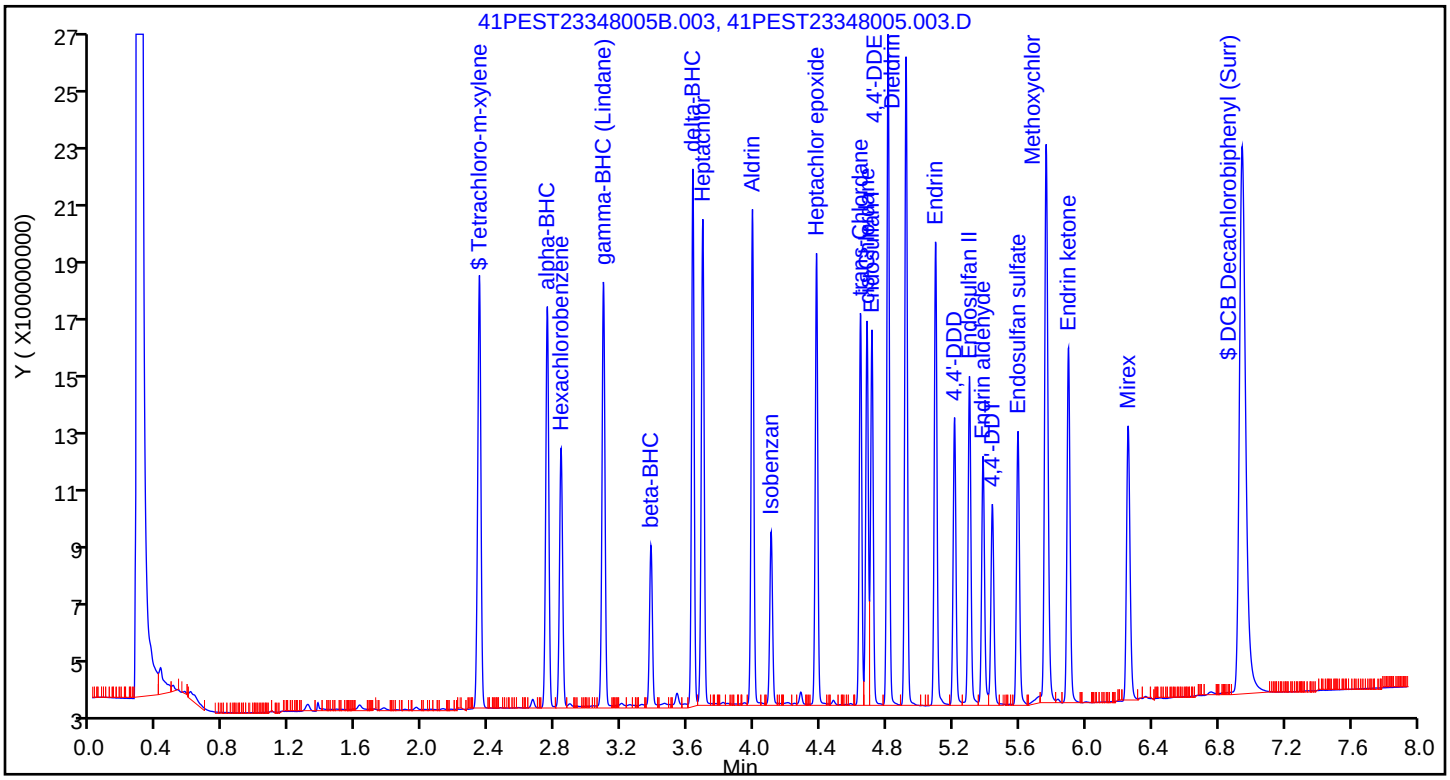
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCVRT 410-456082/3
Calibration Date: 12/20/2023 01:49

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.003.D
Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	145485983	137490857		9.45	10.0	-5.5	20.0
gamma-BHC (Lindane)	Ave	147825575	143975157		9.86	10.1	-2.6	20.0
beta-BHC	Ave	58083955	54663062		9.53	10.1	-5.9	20.0
delta-BHC	Ave	181671280	184275599		10.1	10.0	1.4	20.0
Heptachlor	Ave	170686055	167008322		9.78	10.0	-2.2	20.0
Aldrin	Ave	172429471	170230429		9.87	10.0	-1.3	20.0
Heptachlor epoxide	Ave	155018304	153080620		10.0	10.1	-1.2	20.0
gamma-Chlordane	Ave	140007862	134343115		9.60	10.0	-4.0	20.0
alpha-Chlordane	Ave	138024307	130068911		9.54	10.1	-5.8	20.0
Endosulfan I	Ave	135205080	127041892		9.51	10.1	-6.0	20.0
p,p'-DDE	Ave	118712445	114219060		19.4	20.1	-3.8	20.0
Dieldrin	Ave	118378353	111097425		18.8	20.0	-6.2	20.0
Endrin	Ave	88126851	79416691		18.0	20.0	-9.9	20.0
p,p'-DDD	Ave	55231768	49172878		17.8	20.0	-11.0	20.0
Endosulfan II	Ave	61946954	56210232		18.1	20.0	-9.3	20.0
Endrin aldehyde	Ave	46479185	42492121		18.3	20.0	-8.6	20.0
p,p'-DDT	Ave	34702983	34282617		19.8	20.0	-1.2	20.0
Endosulfan sulfate	Ave	49174589	46787230		19.0	20.0	-4.9	20.0
Methoxychlor	Ave	18365220	18989499		104	101	3.4	20.0
Endrin ketone	Ave	59279358	60452642		20.5	20.1	2.0	20.0
Tetrachloro-m-xylene (Surr)	Ave	39644833	36896620		37.5	40.2	-6.9	20.0
DCB Decachlorobiphenyl (Surr)	Ave	45780379	46513654		41.0	40.3	1.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCVRT 410-456082/3
Calibration Date: 12/20/2023 01:49

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.003.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.75	2.72	2.78
gamma-BHC (Lindane)	3.09	3.06	3.12
beta-BHC	3.38	3.35	3.41
delta-BHC	3.63	3.60	3.66
Heptachlor	3.69	3.66	3.72
Aldrin	3.99	3.96	4.02
Heptachlor epoxide	4.38	4.35	4.41
gamma-Chlordane	4.64	4.61	4.67
alpha-Chlordane	4.68	4.65	4.71
Endosulfan I	4.71	4.68	4.74
p,p'-DDE	4.81	4.78	4.84
Dieldrin	4.92	4.89	4.95
Endrin	5.09	5.06	5.12
p,p'-DDD	5.21	5.18	5.24
Endosulfan II	5.30	5.27	5.33
Endrin aldehyde	5.38	5.35	5.41
p,p'-DDT	5.44	5.41	5.47
Endosulfan sulfate	5.59	5.56	5.62
Methoxychlor	5.76	5.73	5.79
Endrin ketone	5.90	5.87	5.93
Tetrachloro-m-xylene (Surr)	2.34	2.31	2.37
DCB Decachlorobiphenyl (Surr)	6.95	6.92	6.98

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.003.D
Lims ID: ccvrt
Client ID:
Sample Type: CCVRT
Inject. Date: 20-Dec-2023 01:49:00 ALS Bottle#: 0 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvrt
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 09:53:09 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.778	0.000	3407777603H	40.2	41.6	
2	2.340	2.340	0.000	1484719975H	40.2	37.5	
						RPD = 10.61	
2 alpha-BHC							
1	2.363	2.363	0.000	1345321503H	10.0	10.5	
2	2.750	2.750	0.000	1374908571H	10.0	9.45	
						RPD = 10.92	
3 Hexachlorobenzene							
1	2.270	2.270	0.000	578884512H	5.01	4.86	
2	2.833	2.833	0.000	889032229H	5.01	4.63	
						RPD = 4.66	
4 gamma-BHC (Lindane)							
1	2.732	2.732	0.000	1259796086H	10.1	10.2	
2	3.088	3.088	0.000	1457748462H	10.1	9.86	
						RPD = 3.46	
5 beta-BHC							
1	2.982	2.982	0.000	529554084H	10.1	9.99	
2	3.375	3.375	0.000	553463505H	10.1	9.53	
						RPD = 4.72	
7 delta-BHC							
1	3.268	3.268	0.000	1406814629H	10.0	10.0	
2	3.628	3.628	0.000	1842755985H	10.0	10.1	
						RPD = 1.28	
8 Heptachlor							
1	3.090	3.090	0.000	1112511657H	10.0	10.1	
2	3.688	3.688	0.000	1670083223H	10.0	9.78	
						RPD = 3.37	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.400	3.400	0.000	1285119667H	10.0	10.3	
2	3.988	3.988	0.000	1702304292H	10.0	9.87	
						RPD = 4.19	
10 Isobenzan							
1	3.510	3.510	0.000	414216429H	5.03	4.25	
2	4.102	4.102	0.000	596927631H	5.03	4.47	
						RPD = 4.90	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	1223955176H	10.1	9.97	
2	4.375	4.375	0.000	1549941274H	10.1	10.0	
						RPD = 0.33	
13 trans-Chlordane							
1	4.113	4.113	0.000	1314532054H	10.0	10.2	
2	4.640	4.640	0.000	1343431151H	10.0	9.60	
						RPD = 6.45	
14 cis-Chlordane							
1	4.197	4.197	0.000	1287303783H	10.1	10.1	
2	4.680	4.680	0.000	1316947727H	10.1	9.54	
						RPD = 5.70	
15 Endosulfan I							
1	4.242	4.242	0.000	1232847839H	10.1	10.4	
2	4.710	4.710	0.000	1286299159H	10.1	9.51	
						RPD = 9.14	
16 4,4'-DDE							
1	4.373	4.373	0.000	3034484378H	20.1	21.4	
2	4.807	4.807	0.000	2298658591H	20.1	19.4	
						RPD = 10.07	
18 Dieldrin							
1	4.480	4.480	0.000	2946364760H	20.0	21.2	
2	4.915	4.915	0.000	2221948497H	20.0	18.8	
						RPD = 12.19	
19 Endrin							
1	4.733	4.733	0.000	2639078575H	20.0	20.9	
2	5.093	5.093	0.000	1588333810H	20.0	18.0	
						RPD = 14.81	
22 4,4'-DDD							
1	4.835	4.835	0.000	2537514952H	20.0	21.1	
2	5.208	5.208	0.000	983457559H	20.0	17.8	
						RPD = 17.09	
23 Endosulfan II							
1	4.942	4.942	0.000	2525712335H	20.0	20.4	
2	5.298	5.298	0.000	1124204648H	20.0	18.1	
						RPD = 11.60	
25 Endrin aldehyde							
1	5.117	5.117	0.000	2098419052H	20.0	20.7	
2	5.380	5.380	0.000	849842427H	20.0	18.3	
						RPD = 12.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.043	5.043	0.000	2342557211H	20.0	22.2	
2	5.437	5.437	0.000	685652347H	20.0	19.8	
						RPD = 11.75	
27 Endosulfan sulfate							
1	5.267	5.267	0.000	2437317489H	20.0	20.7	
2	5.592	5.592	0.000	935744597H	20.0	19.0	
						RPD = 8.24	
28 Methoxychlor							
1	5.543	5.543	0.000	5667439583H	100.8	105.2	
2	5.762	5.762	0.000	1913192061H	100.8	104.2	
						RPD = 0.95	
29 Endrin ketone							
1	5.702	5.702	0.000	2891279529H	20.1	21.2	
2	5.897	5.897	0.000	1216609413H	20.1	20.5	
						RPD = 3.39	
30 Mirex							
1	5.793	5.793	0.000	2326663644H	25.1	28.1	
2	6.257	6.257	0.000	940503310H	25.1	27.7	
						RPD = 1.73	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	5018468331H	40.3	41.4	
2	6.945	6.945	0.000	1876360806H	40.3	41.0	
						RPD = 1.04	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 09:53:10 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.003.D

Injection Date: 20-Dec-2023 01:49:00 Instrument ID: 9147

Lims ID: ccvrt

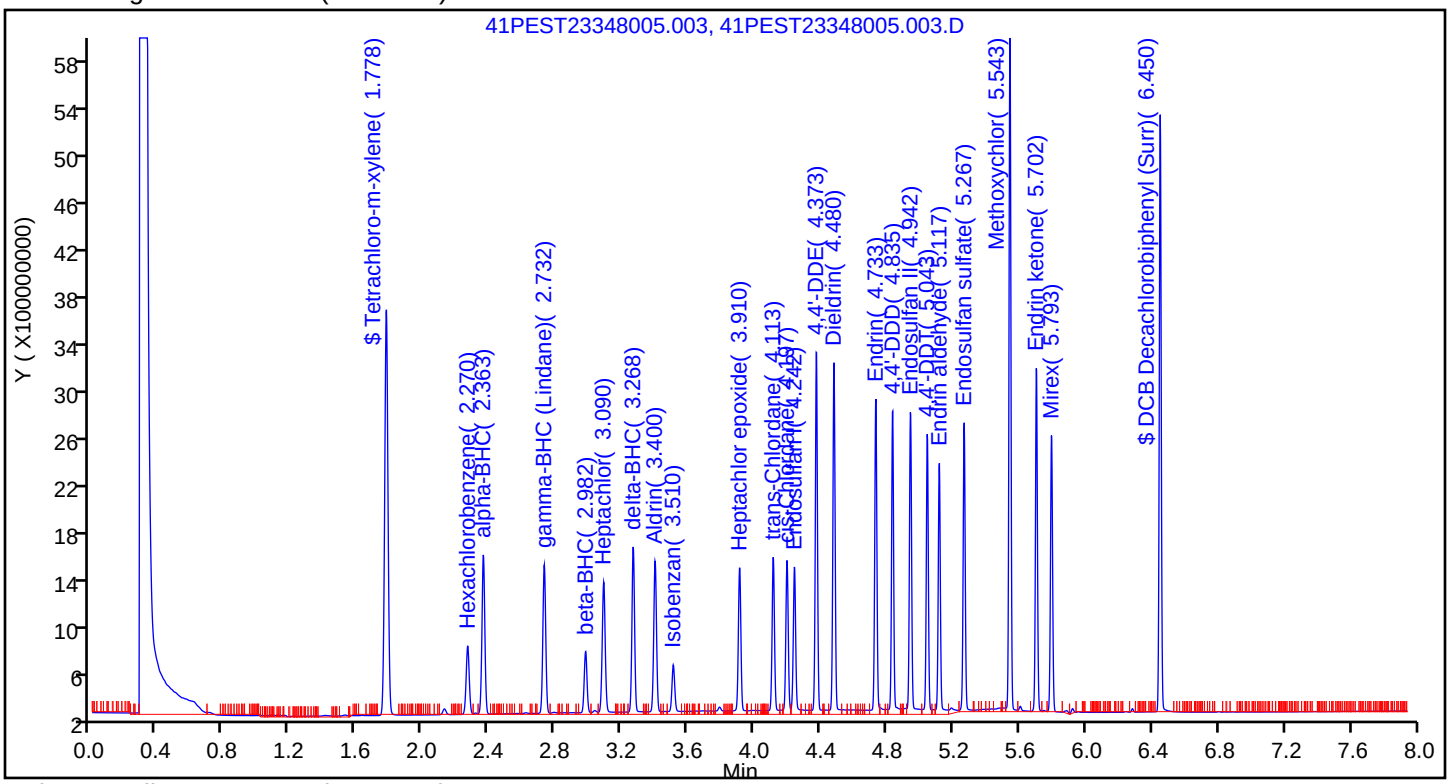
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 3

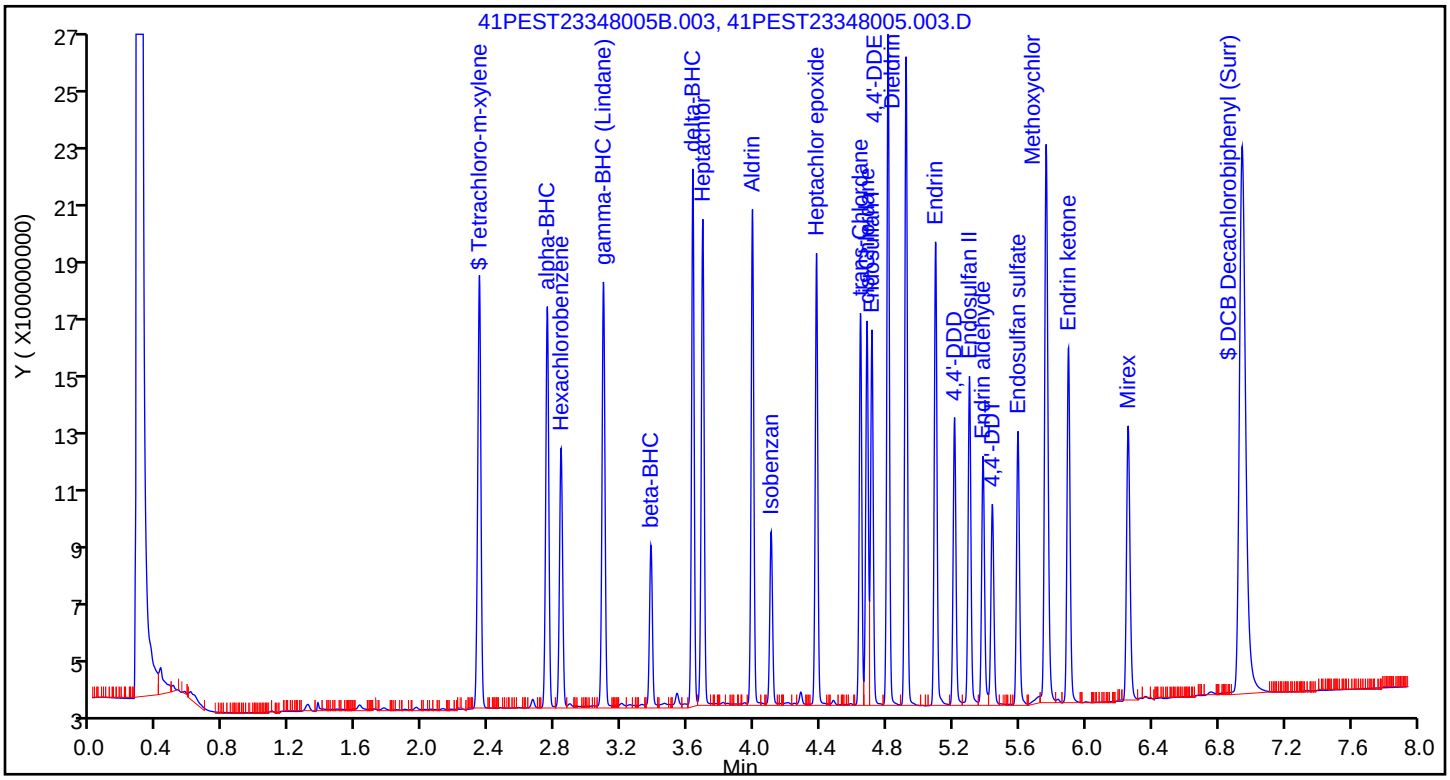
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/17 Calibration Date: 12/20/2023 05:20

Instrument ID: 9147 Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.017.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	119212878	115081136		4.84	5.01	-3.5	20.0
Telodrin	Ave	97390984	79686960		4.12	5.03	-18.2	20.0
Mirex	Ave	82669031	92284218		28.0	25.1	11.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/17 Calibration Date: 12/20/2023 05:20

Instrument ID: 9147 Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.017.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	2.27	2.24	2.30
Telodrin	3.51	3.48	3.54
Mirex	5.79	5.76	5.82

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.017.D
Lims ID: ccv ae
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 05:20:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv ae
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:08:40 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.773	1.778	-0.005	3464690061H	40.2	42.3	
2	2.337	2.340	-0.003	1496837531H	40.2	37.8	
						RPD = 11.45	
2 alpha-BHC							
1	2.360	2.363	-0.003	1338028853H	10.0	10.5	
2	2.747	2.750	-0.003	1411170374H	10.0	9.70	
						RPD = 7.78	
3 Hexachlorobenzene							
1	2.265	2.270	-0.005	576556492H	5.01	4.84	
2	2.832	2.833	-0.001	887007206H	5.01	4.62	
						RPD = 4.48	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1324233284H	10.1	10.7	
2	3.088	3.088	0.000	1478419069H	10.1	10.0	
						RPD = 7.03	
5 beta-BHC							
1	2.977	2.982	-0.005	523542538H	10.1	9.88	
2	3.373	3.375	-0.002	568689857H	10.1	9.79	
						RPD = 0.86	
7 delta-BHC							
1	3.265	3.268	-0.003	1437632685H	10.0	10.2	
2	3.627	3.628	-0.001	1884394164H	10.0	10.4	
						RPD = 1.35	
8 Heptachlor							
1	3.087	3.090	-0.003	1161042685H	10.0	10.6	
2	3.687	3.688	-0.001	1718114321H	10.0	10.1	
						RPD = 4.80	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.397	3.400	-0.003	1304389029H	10.0	10.4	
2	3.987	3.988	-0.001	1708698058H	10.0	9.91	
						RPD = 5.30	
10 Isobenzan							
1	3.508	3.510	-0.002	400825410H	5.03	4.12	
2	4.100	4.102	-0.002	595406087H	5.03	4.46	
						RPD = 7.93	
11 Heptachlor epoxide							
1	3.907	3.910	-0.003	1241039864H	10.1	10.1	
2	4.373	4.375	-0.002	1512322087H	10.1	9.76	
						RPD = 3.51	
13 trans-Chlordane							
1	4.110	4.113	-0.003	1298687600H	10.0	10.1	
2	4.640	4.640	0.000	1333960387H	10.0	9.53	
						RPD = 5.95	
14 cis-Chlordane							
1	4.193	4.197	-0.004	1323125435H	10.1	10.4	
2	4.678	4.680	-0.002	1391665171H	10.1	10.1	
						RPD = 2.93	
15 Endosulfan I							
1	4.238	4.242	-0.004	1234194586H	10.1	10.4	
2	4.708	4.710	-0.002	1326606200H	10.1	9.81	
						RPD = 6.17	
16 4,4'-DDE							
1	4.372	4.373	-0.001	2946828547H	20.1	20.8	
2	4.807	4.807	0.000	2383658054H	20.1	20.1	
						RPD = 3.51	
18 Dieldrin							
1	4.477	4.480	-0.003	2995785024H	20.0	21.6	
2	4.915	4.915	0.000	2338462531H	20.0	19.8	
						RPD = 8.75	
19 Endrin							
1	4.730	4.733	-0.003	2723688012H	20.0	21.6	
2	5.093	5.093	0.000	1697272576H	20.0	19.3	
						RPD = 11.35	
22 4,4'-DDD							
1	4.832	4.835	-0.003	2602888006H	20.0	21.7	
2	5.207	5.208	-0.001	1041319685H	20.0	18.9	
						RPD = 13.94	
23 Endosulfan II							
1	4.940	4.942	-0.002	2648698716H	20.0	21.4	
2	5.298	5.298	0.000	1157691235H	20.0	18.7	
						RPD = 13.42	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	2117331102H	20.0	20.8	
2	5.380	5.380	0.000	877371561H	20.0	18.9	
						RPD = 9.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.042	5.043	-0.001	2398909209H	20.0	22.8	
2	5.437	5.437	0.000	672937945H	20.0	19.4	
						RPD = 15.98	
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	2456248105H	20.0	20.8	
2	5.590	5.592	-0.002	900231128H	20.0	18.3	
						RPD = 12.87	
28 Methoxychlor							
1	5.540	5.543	-0.003	6170388977H	100.8	114.5	
2	5.762	5.762	0.000	1712268611H	100.8	93.2	
						RPD = 20.48	
29 Endrin ketone							
1	5.700	5.702	-0.002	2923782930H	20.1	21.5	
2	5.895	5.897	-0.002	1089305334H	20.1	18.4	
						RPD = 15.53	
30 Mirex							
1	5.792	5.793	-0.001	2318640973H	25.1	28.0	
2	6.257	6.257	0.000	866815960H	25.1	25.5	
						RPD = 9.54	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	5064971292H	40.3	41.8	
2	6.945	6.945	0.000	1862529333H	40.3	40.7	
						RPD = 2.71	
S 32 Total DDTs							
1						22.8	
2						19.4	
						RPD = 15.98	
S 33 Endosulfan, Total							
1						31.8	
2						28.5	
						RPD = 10.98	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:08:42 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.017.D

Injection Date: 20-Dec-2023 05:20:00 Instrument ID: 9147

Lims ID: ccv ae

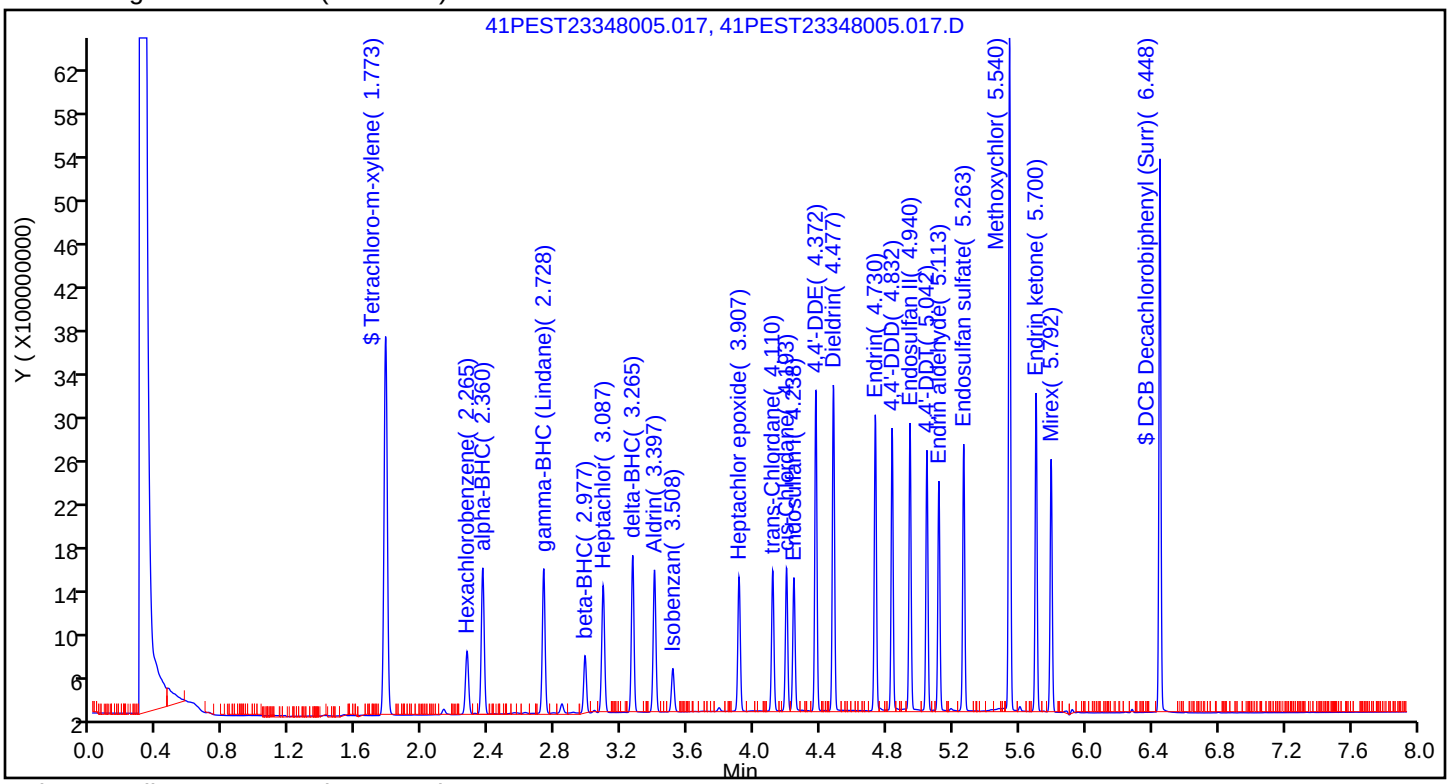
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

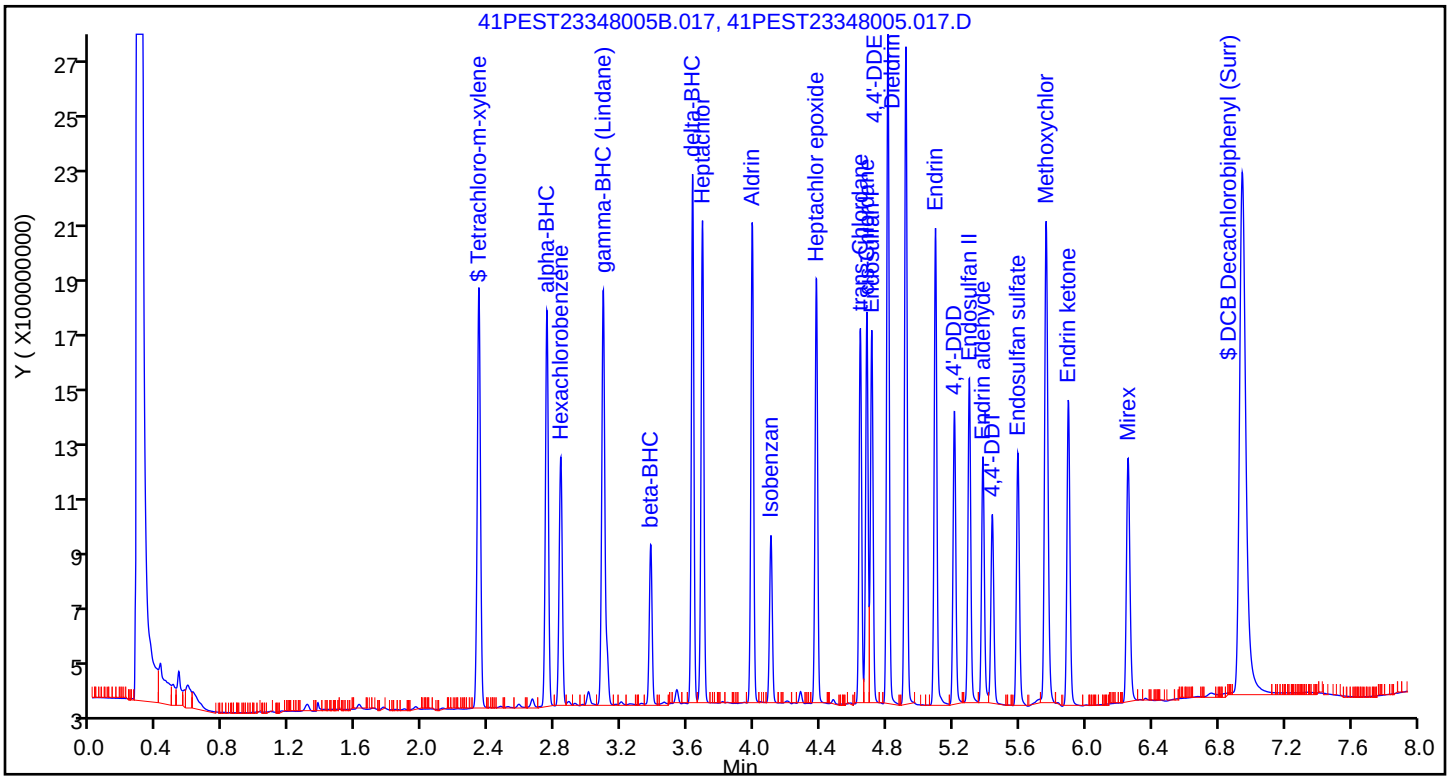
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/17 Calibration Date: 12/20/2023 05:20

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.017.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	127611079	133802885		10.5	10.0	4.9	20.0
gamma-BHC (Lindane)	Ave	123411221	130788472		10.7	10.1	6.0	20.0
beta-BHC	Ave	53012979	51707905		9.88	10.1	-2.5	20.0
Heptachlor	Ave	109936085	116104269		10.6	10.0	5.6	20.0
delta-BHC	Ave	140477776	143763269		10.2	10.0	2.3	20.0
Aldrin	Ave	124831220	130438903		10.4	10.0	4.5	20.0
Heptachlor epoxide	Ave	122821268	122571838		10.1	10.1	-0.2	20.0
gamma-Chlordane	Ave	128433797	129868760		10.1	10.0	1.1	20.0
alpha-Chlordane	Ave	127436628	130679055		10.4	10.1	2.5	20.0
Endosulfan I	Ave	118260481	121895762		10.4	10.1	3.1	20.0
p,p'-DDE	Ave	141693812	146426263		20.8	20.1	3.3	20.0
Dieldrin	Ave	138941325	149789251		21.6	20.0	7.8	20.0
Endrin	Ave	126235442	136184401		21.6	20.0	7.9	20.0
p,p'-DDD	Ave	120070019	130144400		21.7	20.0	8.4	20.0
Endosulfan II	Ave	123911266	132434936		21.4	20.0	6.9	20.0
p,p'-DDT	Ave	105408628	119945460		22.8	20.0	13.8	20.0
Endrin aldehyde	Ave	101556864	105866555		20.8	20.0	4.2	20.0
Endosulfan sulfate	Ave	117952138	122812405		20.8	20.0	4.1	20.0
Methoxychlor	Ave	53889022	61244556		115	101	13.6	20.0
Endrin ketone	Ave	136177384	145281139		21.5	20.1	6.7	20.0
Tetrachloro-m-xylene (Surr)	Ave	81826366	86100648		42.3	40.2	5.2	20.0
DCB Decachlorobiphenyl (Surr)	Ave	121170772	125557047		41.8	40.3	3.6	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/17
Calibration Date: 12/20/2023 05:20

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.017.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.36	2.33	2.39
gamma-BHC (Lindane)	2.73	2.70	2.76
beta-BHC	2.98	2.95	3.01
Heptachlor	3.09	3.06	3.12
delta-BHC	3.27	3.24	3.30
Aldrin	3.40	3.37	3.43
Heptachlor epoxide	3.91	3.88	3.94
gamma-Chlordane	4.11	4.08	4.14
alpha-Chlordane	4.19	4.17	4.23
Endosulfan I	4.24	4.21	4.27
p,p'-DDE	4.37	4.34	4.40
Dieldrin	4.48	4.45	4.51
Endrin	4.73	4.70	4.76
p,p'-DDD	4.83	4.81	4.87
Endosulfan II	4.94	4.91	4.97
p,p'-DDT	5.04	5.01	5.07
Endrin aldehyde	5.11	5.09	5.15
Endosulfan sulfate	5.26	5.24	5.30
Methoxychlor	5.54	5.51	5.57
Endrin ketone	5.70	5.67	5.73
Tetrachloro-m-xylene (Surr)	1.77	1.75	1.81
DCB Decachlorobiphenyl (Surr)	6.45	6.42	6.48

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.017.D
Lims ID: ccv ae
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 05:20:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv ae
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:08:40 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.773	1.778	-0.005	3464690061H	40.2	42.3	
2	2.337	2.340	-0.003	1496837531H	40.2	37.8	
						RPD = 11.45	
2 alpha-BHC							
1	2.360	2.363	-0.003	1338028853H	10.0	10.5	
2	2.747	2.750	-0.003	1411170374H	10.0	9.70	
						RPD = 7.78	
3 Hexachlorobenzene							
1	2.265	2.270	-0.005	576556492H	5.01	4.84	
2	2.832	2.833	-0.001	887007206H	5.01	4.62	
						RPD = 4.48	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1324233284H	10.1	10.7	
2	3.088	3.088	0.000	1478419069H	10.1	10.0	
						RPD = 7.03	
5 beta-BHC							
1	2.977	2.982	-0.005	523542538H	10.1	9.88	
2	3.373	3.375	-0.002	568689857H	10.1	9.79	
						RPD = 0.86	
7 delta-BHC							
1	3.265	3.268	-0.003	1437632685H	10.0	10.2	
2	3.627	3.628	-0.001	1884394164H	10.0	10.4	
						RPD = 1.35	
8 Heptachlor							
1	3.087	3.090	-0.003	1161042685H	10.0	10.6	
2	3.687	3.688	-0.001	1718114321H	10.0	10.1	
						RPD = 4.80	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.397	3.400	-0.003	1304389029H	10.0	10.4	
2	3.987	3.988	-0.001	1708698058H	10.0	9.91	
						RPD = 5.30	
10 Isobenzan							
1	3.508	3.510	-0.002	400825410H	5.03	4.12	
2	4.100	4.102	-0.002	595406087H	5.03	4.46	
						RPD = 7.93	
11 Heptachlor epoxide							
1	3.907	3.910	-0.003	1241039864H	10.1	10.1	
2	4.373	4.375	-0.002	1512322087H	10.1	9.76	
						RPD = 3.51	
13 trans-Chlordane							
1	4.110	4.113	-0.003	1298687600H	10.0	10.1	
2	4.640	4.640	0.000	1333960387H	10.0	9.53	
						RPD = 5.95	
14 cis-Chlordane							
1	4.193	4.197	-0.004	1323125435H	10.1	10.4	
2	4.678	4.680	-0.002	1391665171H	10.1	10.1	
						RPD = 2.93	
15 Endosulfan I							
1	4.238	4.242	-0.004	1234194586H	10.1	10.4	
2	4.708	4.710	-0.002	1326606200H	10.1	9.81	
						RPD = 6.17	
16 4,4'-DDE							
1	4.372	4.373	-0.001	2946828547H	20.1	20.8	
2	4.807	4.807	0.000	2383658054H	20.1	20.1	
						RPD = 3.51	
18 Dieldrin							
1	4.477	4.480	-0.003	2995785024H	20.0	21.6	
2	4.915	4.915	0.000	2338462531H	20.0	19.8	
						RPD = 8.75	
19 Endrin							
1	4.730	4.733	-0.003	2723688012H	20.0	21.6	
2	5.093	5.093	0.000	1697272576H	20.0	19.3	
						RPD = 11.35	
22 4,4'-DDD							
1	4.832	4.835	-0.003	2602888006H	20.0	21.7	
2	5.207	5.208	-0.001	1041319685H	20.0	18.9	
						RPD = 13.94	
23 Endosulfan II							
1	4.940	4.942	-0.002	2648698716H	20.0	21.4	
2	5.298	5.298	0.000	1157691235H	20.0	18.7	
						RPD = 13.42	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	2117331102H	20.0	20.8	
2	5.380	5.380	0.000	877371561H	20.0	18.9	
						RPD = 9.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.042	5.043	-0.001	2398909209H	20.0	22.8	
2	5.437	5.437	0.000	672937945H	20.0	19.4	
						RPD = 15.98	
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	2456248105H	20.0	20.8	
2	5.590	5.592	-0.002	900231128H	20.0	18.3	
						RPD = 12.87	
28 Methoxychlor							
1	5.540	5.543	-0.003	6170388977H	100.8	114.5	
2	5.762	5.762	0.000	1712268611H	100.8	93.2	
						RPD = 20.48	
29 Endrin ketone							
1	5.700	5.702	-0.002	2923782930H	20.1	21.5	
2	5.895	5.897	-0.002	1089305334H	20.1	18.4	
						RPD = 15.53	
30 Mirex							
1	5.792	5.793	-0.001	2318640973H	25.1	28.0	
2	6.257	6.257	0.000	866815960H	25.1	25.5	
						RPD = 9.54	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	5064971292H	40.3	41.8	
2	6.945	6.945	0.000	1862529333H	40.3	40.7	
						RPD = 2.71	
S 32 Total DDTs							
1						22.8	
2						19.4	
						RPD = 15.98	
S 33 Endosulfan, Total							
1						31.8	
2						28.5	
						RPD = 10.98	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:08:42 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.017.D

Injection Date: 20-Dec-2023 05:20:00 Instrument ID: 9147

Lims ID: ccv ae

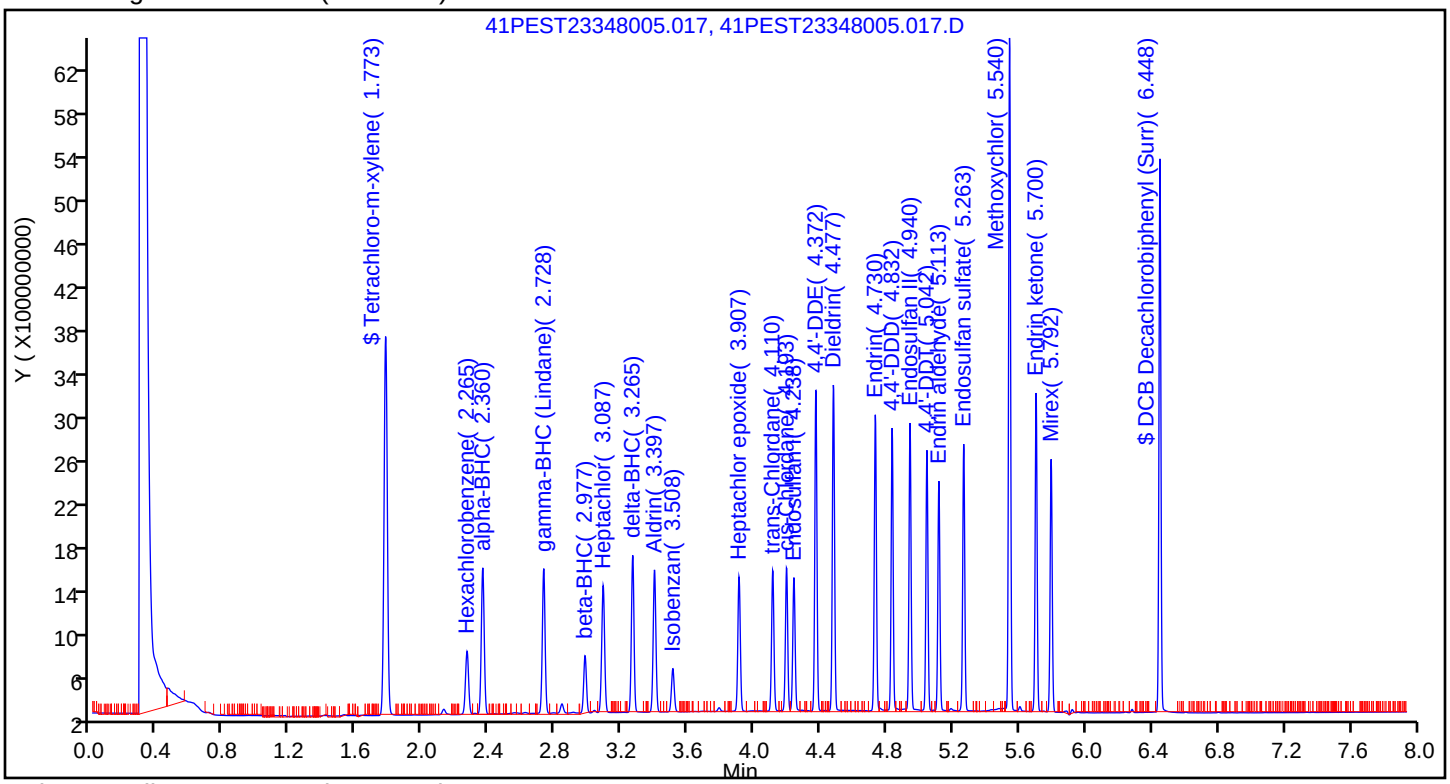
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

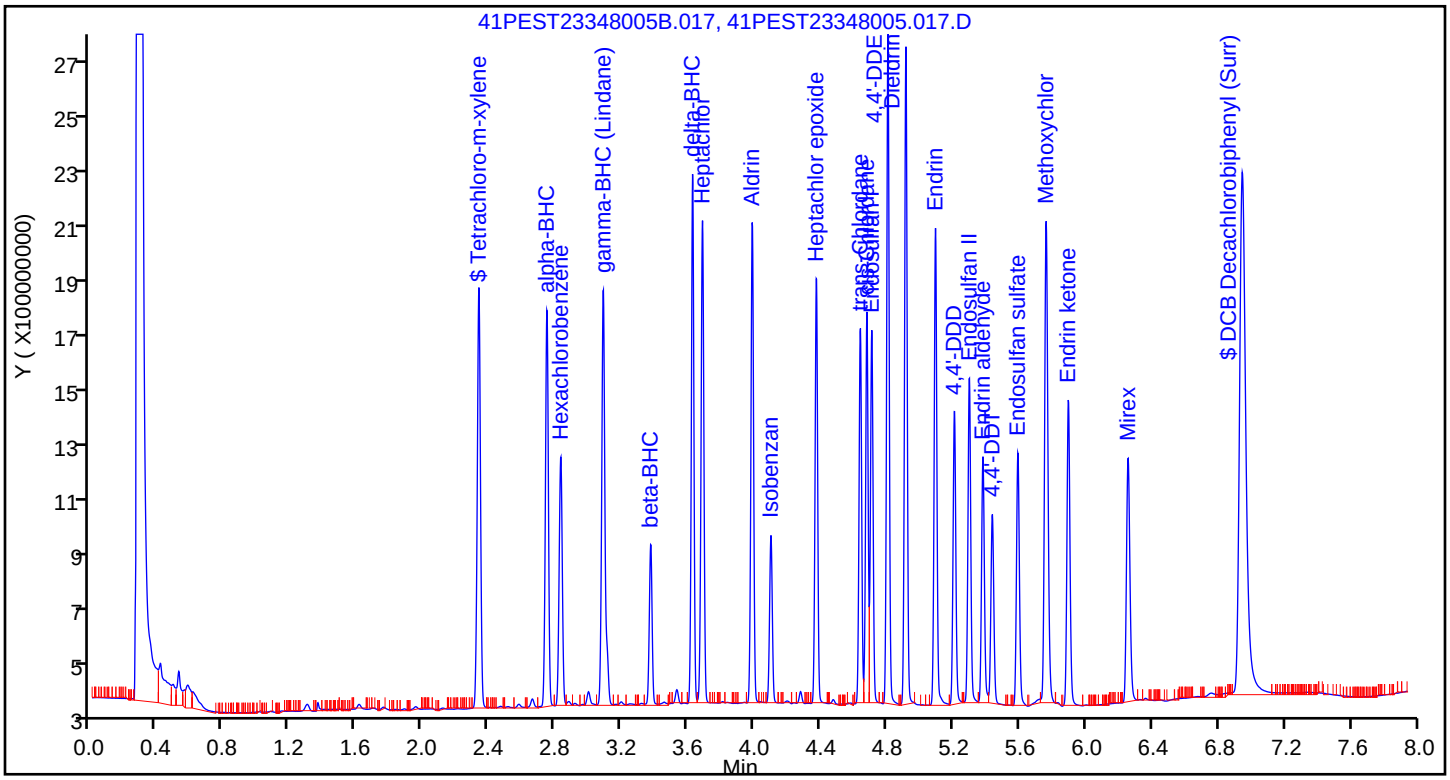
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/17 Calibration Date: 12/20/2023 05:20

Instrument ID: 9147 Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.017.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	191814623	177047347		4.62	5.01	-7.7	20.0
Telodrin	Ave	133633746	118370991		4.46	5.03	-11.4	20.0
Mirex	Ave	34000414	34500138		25.5	25.1	1.5	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/17 Calibration Date: 12/20/2023 05:20

Instrument ID: 9147 Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.017.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	2.83	2.80	2.86
Telodrin	4.10	4.07	4.13
Mirex	6.26	6.23	6.29

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.017.D
Lims ID: ccv ae
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 05:20:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv ae
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:08:40 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.773	1.778	-0.005	3464690061H	40.2	42.3	
2	2.337	2.340	-0.003	1496837531H	40.2	37.8	
						RPD = 11.45	
2 alpha-BHC							
1	2.360	2.363	-0.003	1338028853H	10.0	10.5	
2	2.747	2.750	-0.003	1411170374H	10.0	9.70	
						RPD = 7.78	
3 Hexachlorobenzene							
1	2.265	2.270	-0.005	576556492H	5.01	4.84	
2	2.832	2.833	-0.001	887007206H	5.01	4.62	
						RPD = 4.48	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1324233284H	10.1	10.7	
2	3.088	3.088	0.000	1478419069H	10.1	10.0	
						RPD = 7.03	
5 beta-BHC							
1	2.977	2.982	-0.005	523542538H	10.1	9.88	
2	3.373	3.375	-0.002	568689857H	10.1	9.79	
						RPD = 0.86	
7 delta-BHC							
1	3.265	3.268	-0.003	1437632685H	10.0	10.2	
2	3.627	3.628	-0.001	1884394164H	10.0	10.4	
						RPD = 1.35	
8 Heptachlor							
1	3.087	3.090	-0.003	1161042685H	10.0	10.6	
2	3.687	3.688	-0.001	1718114321H	10.0	10.1	
						RPD = 4.80	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.397	3.400	-0.003	1304389029H	10.0	10.4	
2	3.987	3.988	-0.001	1708698058H	10.0	9.91	
						RPD = 5.30	
10 Isobenzan							
1	3.508	3.510	-0.002	400825410H	5.03	4.12	
2	4.100	4.102	-0.002	595406087H	5.03	4.46	
						RPD = 7.93	
11 Heptachlor epoxide							
1	3.907	3.910	-0.003	1241039864H	10.1	10.1	
2	4.373	4.375	-0.002	1512322087H	10.1	9.76	
						RPD = 3.51	
13 trans-Chlordane							
1	4.110	4.113	-0.003	1298687600H	10.0	10.1	
2	4.640	4.640	0.000	1333960387H	10.0	9.53	
						RPD = 5.95	
14 cis-Chlordane							
1	4.193	4.197	-0.004	1323125435H	10.1	10.4	
2	4.678	4.680	-0.002	1391665171H	10.1	10.1	
						RPD = 2.93	
15 Endosulfan I							
1	4.238	4.242	-0.004	1234194586H	10.1	10.4	
2	4.708	4.710	-0.002	1326606200H	10.1	9.81	
						RPD = 6.17	
16 4,4'-DDE							
1	4.372	4.373	-0.001	2946828547H	20.1	20.8	
2	4.807	4.807	0.000	2383658054H	20.1	20.1	
						RPD = 3.51	
18 Dieldrin							
1	4.477	4.480	-0.003	2995785024H	20.0	21.6	
2	4.915	4.915	0.000	2338462531H	20.0	19.8	
						RPD = 8.75	
19 Endrin							
1	4.730	4.733	-0.003	2723688012H	20.0	21.6	
2	5.093	5.093	0.000	1697272576H	20.0	19.3	
						RPD = 11.35	
22 4,4'-DDD							
1	4.832	4.835	-0.003	2602888006H	20.0	21.7	
2	5.207	5.208	-0.001	1041319685H	20.0	18.9	
						RPD = 13.94	
23 Endosulfan II							
1	4.940	4.942	-0.002	2648698716H	20.0	21.4	
2	5.298	5.298	0.000	1157691235H	20.0	18.7	
						RPD = 13.42	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	2117331102H	20.0	20.8	
2	5.380	5.380	0.000	877371561H	20.0	18.9	
						RPD = 9.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.042	5.043	-0.001	2398909209H	20.0	22.8	
2	5.437	5.437	0.000	672937945H	20.0	19.4	
						RPD = 15.98	
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	2456248105H	20.0	20.8	
2	5.590	5.592	-0.002	900231128H	20.0	18.3	
						RPD = 12.87	
28 Methoxychlor							
1	5.540	5.543	-0.003	6170388977H	100.8	114.5	
2	5.762	5.762	0.000	1712268611H	100.8	93.2	
						RPD = 20.48	
29 Endrin ketone							
1	5.700	5.702	-0.002	2923782930H	20.1	21.5	
2	5.895	5.897	-0.002	1089305334H	20.1	18.4	
						RPD = 15.53	
30 Mirex							
1	5.792	5.793	-0.001	2318640973H	25.1	28.0	
2	6.257	6.257	0.000	866815960H	25.1	25.5	
						RPD = 9.54	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	5064971292H	40.3	41.8	
2	6.945	6.945	0.000	1862529333H	40.3	40.7	
						RPD = 2.71	
S 32 Total DDTs							
1						22.8	
2						19.4	
						RPD = 15.98	
S 33 Endosulfan, Total							
1						31.8	
2						28.5	
						RPD = 10.98	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:08:42 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.017.D

Injection Date: 20-Dec-2023 05:20:00 Instrument ID: 9147

Lims ID: ccv ae

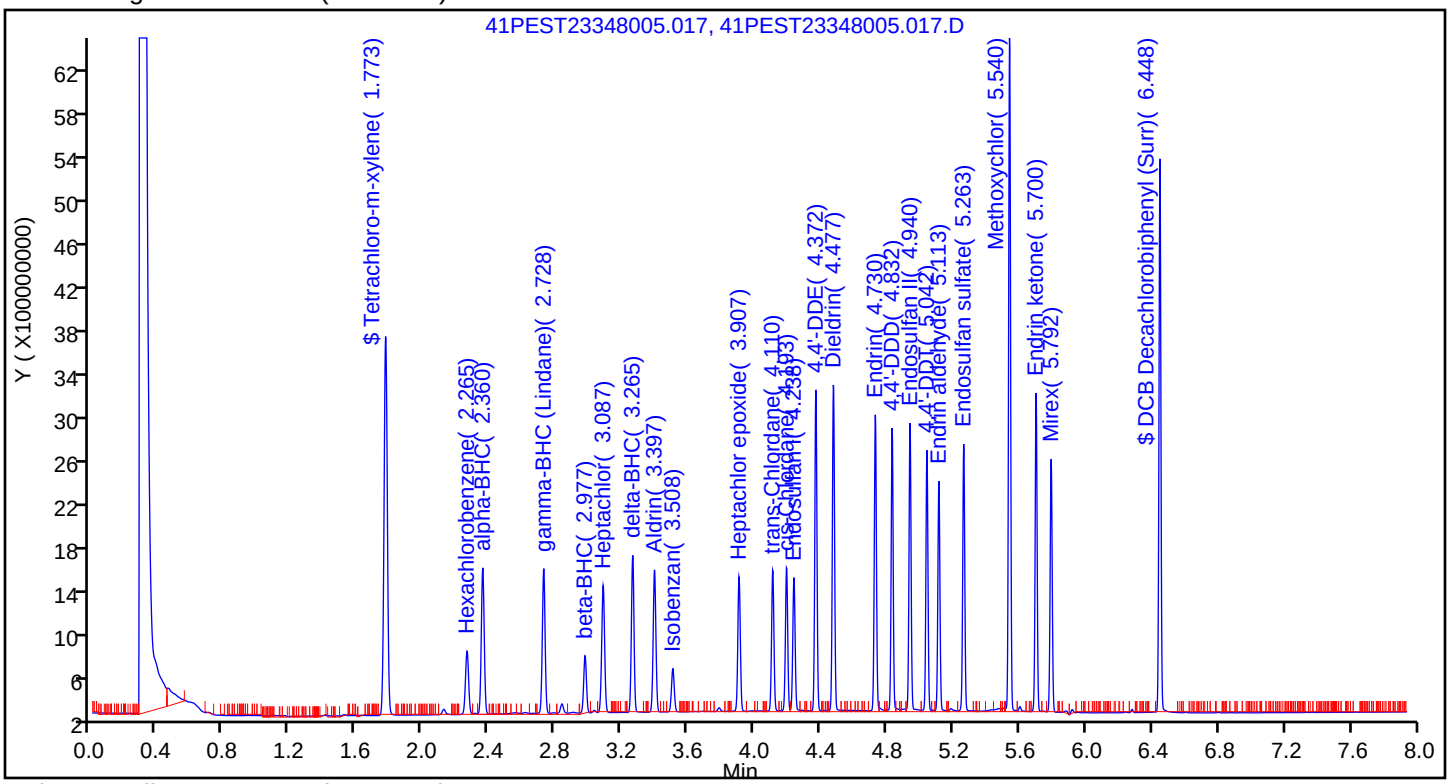
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

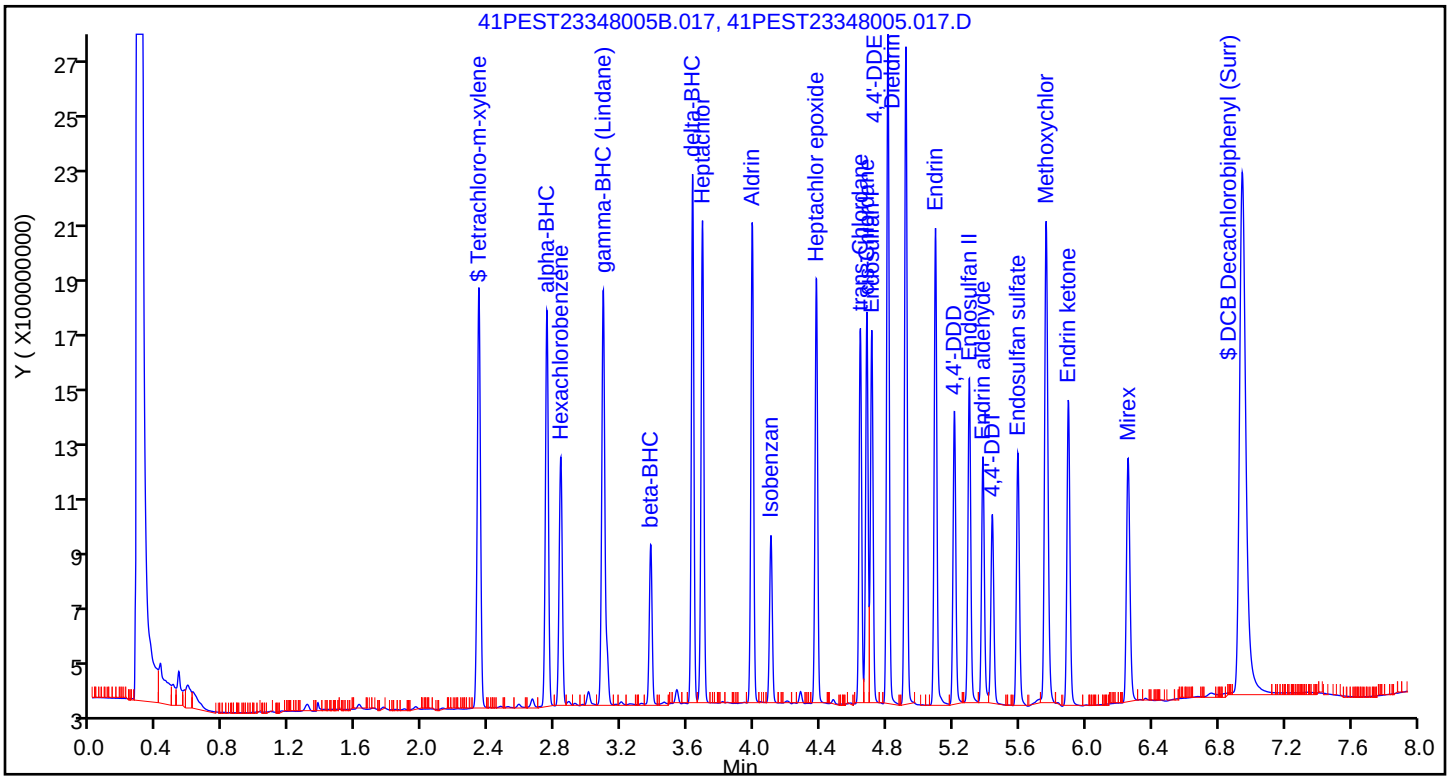
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/17 Calibration Date: 12/20/2023 05:20

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.017.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	145485983	141117037		9.70	10.0	-3.0	20.0
gamma-BHC (Lindane)	Ave	147825575	146016698		10.0	10.1	-1.2	20.0
beta-BHC	Ave	58083955	56166899		9.79	10.1	-3.3	20.0
delta-BHC	Ave	181671280	188439416		10.4	10.0	3.7	20.0
Heptachlor	Ave	170686055	171811432		10.1	10.0	0.7	20.0
Aldrin	Ave	172429471	170869806		9.91	10.0	-0.9	20.0
Heptachlor epoxide	Ave	155018304	149365144		9.76	10.1	-3.6	20.0
gamma-Chlordane	Ave	140007862	133396039		9.53	10.0	-4.7	20.0
alpha-Chlordane	Ave	138024307	137448412		10.1	10.1	-0.4	20.0
Endosulfan I	Ave	135205080	131022835		9.81	10.1	-3.1	20.0
p,p'-DDE	Ave	118712445	118442636		20.1	20.1	-0.2	20.0
Dieldrin	Ave	118378353	116923127		19.8	20.0	-1.2	20.0
Endrin	Ave	88126851	84863629		19.3	20.0	-3.7	20.0
p,p'-DDD	Ave	55231768	52065984		18.9	20.0	-5.7	20.0
Endosulfan II	Ave	61946954	57884562		18.7	20.0	-6.6	20.0
Endrin aldehyde	Ave	46479185	43868578		18.9	20.0	-5.6	20.0
p,p'-DDT	Ave	34702983	33646897		19.4	20.0	-3.0	20.0
Endosulfan sulfate	Ave	49174589	45011556		18.3	20.0	-8.5	20.0
Methoxychlor	Ave	18365220	16995222		93.2	101	-7.5	20.0
Endrin ketone	Ave	59279358	54126973		18.4	20.1	-8.7	20.0
Tetrachloro-m-xylene (Surr)	Ave	39644833	37197752		37.8	40.2	-6.2	20.0
DCB Decachlorobiphenyl (Surr)	Ave	45780379	46170782		40.7	40.3	0.9	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/17
Calibration Date: 12/20/2023 05:20

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.017.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.75	2.72	2.78
gamma-BHC (Lindane)	3.09	3.06	3.12
beta-BHC	3.37	3.35	3.41
delta-BHC	3.63	3.60	3.66
Heptachlor	3.69	3.66	3.72
Aldrin	3.99	3.96	4.02
Heptachlor epoxide	4.37	4.35	4.41
gamma-Chlordane	4.64	4.61	4.67
alpha-Chlordane	4.68	4.65	4.71
Endosulfan I	4.71	4.68	4.74
p,p'-DDE	4.81	4.78	4.84
Dieldrin	4.92	4.89	4.95
Endrin	5.09	5.06	5.12
p,p'-DDD	5.21	5.18	5.24
Endosulfan II	5.30	5.27	5.33
Endrin aldehyde	5.38	5.35	5.41
p,p'-DDT	5.44	5.41	5.47
Endosulfan sulfate	5.59	5.56	5.62
Methoxychlor	5.76	5.73	5.79
Endrin ketone	5.90	5.87	5.93
Tetrachloro-m-xylene (Surr)	2.34	2.31	2.37
DCB Decachlorobiphenyl (Surr)	6.95	6.92	6.98

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.017.D
Lims ID: ccv ae
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 05:20:00 ALS Bottle#: 0 Worklist Smp#: 17
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv ae
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:08:40 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.773	1.778	-0.005	3464690061H	40.2	42.3	
2	2.337	2.340	-0.003	1496837531H	40.2	37.8	
						RPD = 11.45	
2 alpha-BHC							
1	2.360	2.363	-0.003	1338028853H	10.0	10.5	
2	2.747	2.750	-0.003	1411170374H	10.0	9.70	
						RPD = 7.78	
3 Hexachlorobenzene							
1	2.265	2.270	-0.005	576556492H	5.01	4.84	
2	2.832	2.833	-0.001	887007206H	5.01	4.62	
						RPD = 4.48	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1324233284H	10.1	10.7	
2	3.088	3.088	0.000	1478419069H	10.1	10.0	
						RPD = 7.03	
5 beta-BHC							
1	2.977	2.982	-0.005	523542538H	10.1	9.88	
2	3.373	3.375	-0.002	568689857H	10.1	9.79	
						RPD = 0.86	
7 delta-BHC							
1	3.265	3.268	-0.003	1437632685H	10.0	10.2	
2	3.627	3.628	-0.001	1884394164H	10.0	10.4	
						RPD = 1.35	
8 Heptachlor							
1	3.087	3.090	-0.003	1161042685H	10.0	10.6	
2	3.687	3.688	-0.001	1718114321H	10.0	10.1	
						RPD = 4.80	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.397	3.400	-0.003	1304389029H	10.0	10.4	
2	3.987	3.988	-0.001	1708698058H	10.0	9.91	
						RPD = 5.30	
10 Isobenzan							
1	3.508	3.510	-0.002	400825410H	5.03	4.12	
2	4.100	4.102	-0.002	595406087H	5.03	4.46	
						RPD = 7.93	
11 Heptachlor epoxide							
1	3.907	3.910	-0.003	1241039864H	10.1	10.1	
2	4.373	4.375	-0.002	1512322087H	10.1	9.76	
						RPD = 3.51	
13 trans-Chlordane							
1	4.110	4.113	-0.003	1298687600H	10.0	10.1	
2	4.640	4.640	0.000	1333960387H	10.0	9.53	
						RPD = 5.95	
14 cis-Chlordane							
1	4.193	4.197	-0.004	1323125435H	10.1	10.4	
2	4.678	4.680	-0.002	1391665171H	10.1	10.1	
						RPD = 2.93	
15 Endosulfan I							
1	4.238	4.242	-0.004	1234194586H	10.1	10.4	
2	4.708	4.710	-0.002	1326606200H	10.1	9.81	
						RPD = 6.17	
16 4,4'-DDE							
1	4.372	4.373	-0.001	2946828547H	20.1	20.8	
2	4.807	4.807	0.000	2383658054H	20.1	20.1	
						RPD = 3.51	
18 Dieldrin							
1	4.477	4.480	-0.003	2995785024H	20.0	21.6	
2	4.915	4.915	0.000	2338462531H	20.0	19.8	
						RPD = 8.75	
19 Endrin							
1	4.730	4.733	-0.003	2723688012H	20.0	21.6	
2	5.093	5.093	0.000	1697272576H	20.0	19.3	
						RPD = 11.35	
22 4,4'-DDD							
1	4.832	4.835	-0.003	2602888006H	20.0	21.7	
2	5.207	5.208	-0.001	1041319685H	20.0	18.9	
						RPD = 13.94	
23 Endosulfan II							
1	4.940	4.942	-0.002	2648698716H	20.0	21.4	
2	5.298	5.298	0.000	1157691235H	20.0	18.7	
						RPD = 13.42	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	2117331102H	20.0	20.8	
2	5.380	5.380	0.000	877371561H	20.0	18.9	
						RPD = 9.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.042	5.043	-0.001	2398909209H	20.0	22.8	
2	5.437	5.437	0.000	672937945H	20.0	19.4	
						RPD = 15.98	
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	2456248105H	20.0	20.8	
2	5.590	5.592	-0.002	900231128H	20.0	18.3	
						RPD = 12.87	
28 Methoxychlor							
1	5.540	5.543	-0.003	6170388977H	100.8	114.5	
2	5.762	5.762	0.000	1712268611H	100.8	93.2	
						RPD = 20.48	
29 Endrin ketone							
1	5.700	5.702	-0.002	2923782930H	20.1	21.5	
2	5.895	5.897	-0.002	1089305334H	20.1	18.4	
						RPD = 15.53	
30 Mirex							
1	5.792	5.793	-0.001	2318640973H	25.1	28.0	
2	6.257	6.257	0.000	866815960H	25.1	25.5	
						RPD = 9.54	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	5064971292H	40.3	41.8	
2	6.945	6.945	0.000	1862529333H	40.3	40.7	
						RPD = 2.71	
S 32 Total DDTs							
1						22.8	
2						19.4	
						RPD = 15.98	
S 33 Endosulfan, Total							
1						31.8	
2						28.5	
						RPD = 10.98	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:08:42 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.017.D

Injection Date: 20-Dec-2023 05:20:00 Instrument ID: 9147

Lims ID: ccv ae

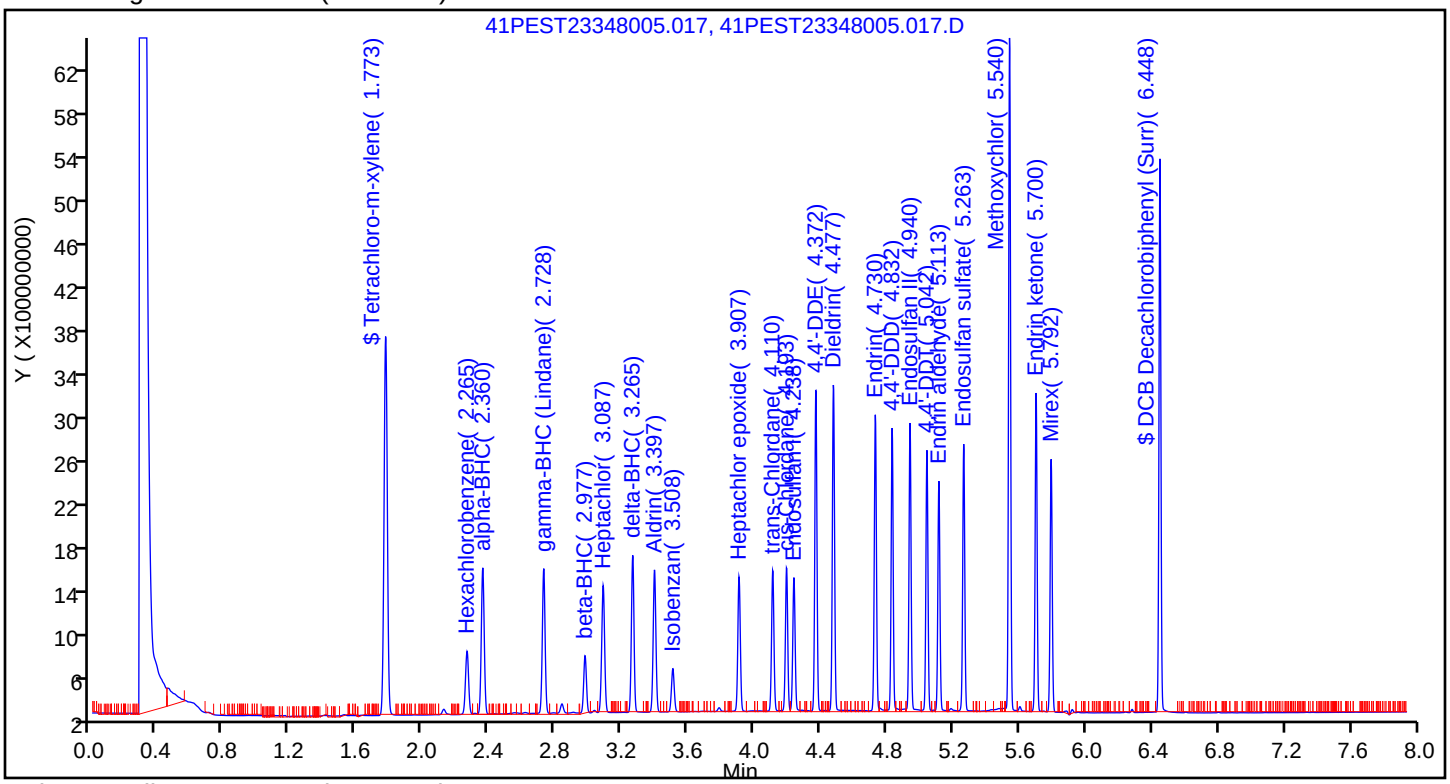
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 17

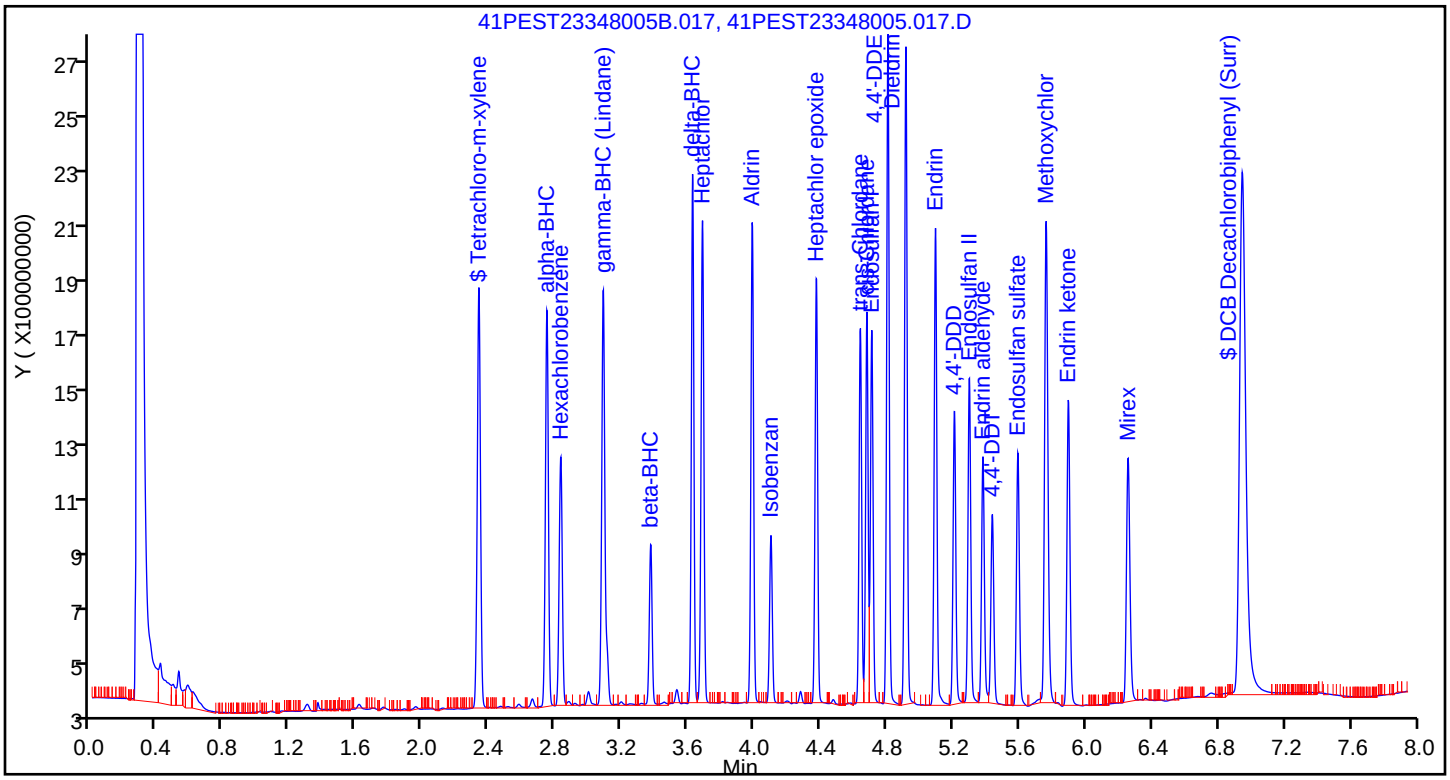
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/19 Calibration Date: 12/20/2023 05:49

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348005.019.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	1630043	1624913		498	500	-0.3	20.0
Toxaphene Peak 2	Ave	2261118	2523842		558	500	11.6	20.0
Toxaphene Peak 3	Ave	2119279	2174030		513	500	2.6	20.0
Toxaphene Peak 4	Ave	2782193	3177747		571	500	14.2	20.0
Toxaphene Peak 5	Qua		2777537		649	500	29.8*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/19 Calibration Date: 12/20/2023 05:49

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348005.019.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.96	4.93	4.99
Toxaphene Peak 2	5.18	5.15	5.21
Toxaphene Peak 3	5.23	5.20	5.26
Toxaphene Peak 4	5.56	5.53	5.59
Toxaphene Peak 5	5.80	5.77	5.83

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.019.D
Lims ID: ccv t4
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 05:49:00 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:08:46 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:03:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	4.962	4.957	0.005	812456305H	500.0	498.4	
1	5.178	5.175	0.003	1261920813H	500.0	558.1	
1	5.230	5.227	0.003	1087015119H	500.0	512.9	
1	5.560	5.557	0.003	1588873525H	500.0	571.1	
1	5.803	5.800	0.003	1388768376H	500.0	649.0	
		Average of Peak Amounts =				557.9	
2	5.123	5.122	0.001	369123854H	500.0	586.1	M
2	5.348	5.347	0.001	407949716H	500.0	614.9	M
2	5.530	5.528	0.002	499525219H	500.0	548.7	M
2	5.585	5.583	0.002	478772884H	500.0	520.9	M
2	5.920	5.917	0.003	633764514H	500.0	595.3	M
		Average of Peak Amounts =				573.2	
						RPD = 2.70	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOX4_00013 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:08:48 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.019.D

Injection Date: 20-Dec-2023 05:49:00 Instrument ID: 9147

Lims ID: ccv t4

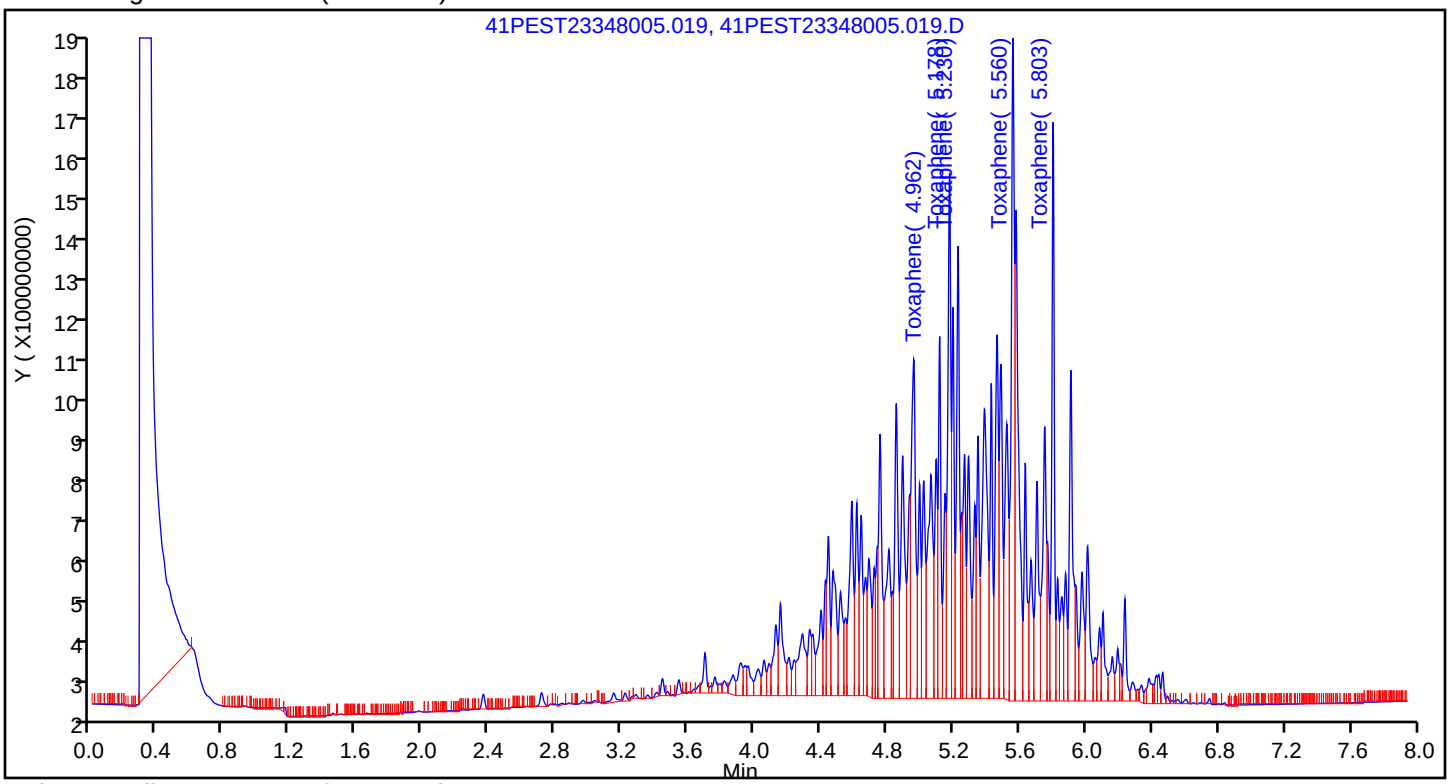
Client ID:

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

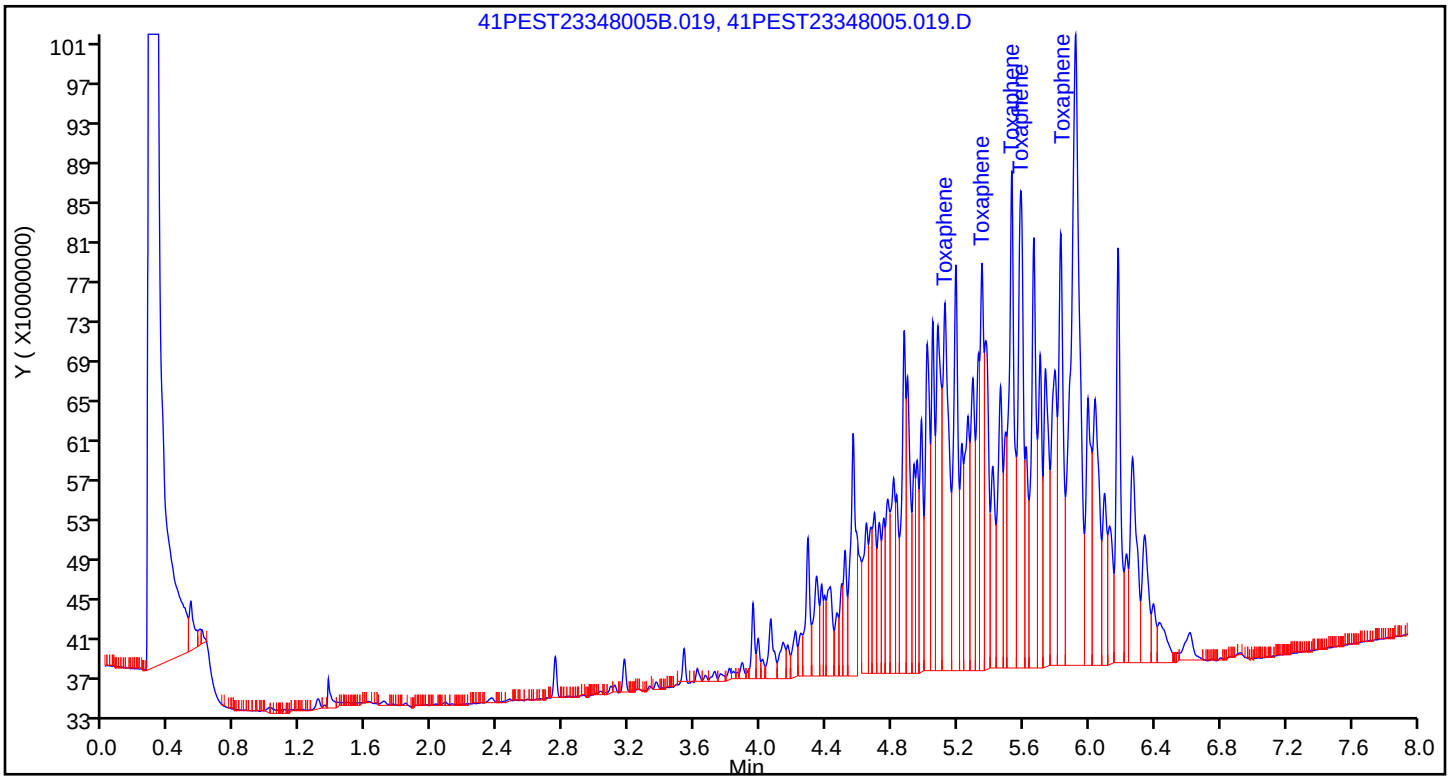
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/19 Calibration Date: 12/20/2023 05:49

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348005.019.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	629762	738248		586	500	17.2	20.0
Toxaphene Peak 2	Ave	663442	815899		615	500	23.0*	20.0
Toxaphene Peak 3	Ave	910424	999050		549	500	9.7	20.0
Toxaphene Peak 4	Qua		957546		521	500	4.2	20.0
Toxaphene Peak 5	Qua		1267529		595	500	19.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/19
Calibration Date: 12/20/2023 05:49

Instrument ID: 9147
Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348005.019.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.12	5.09	5.15
Toxaphene Peak 2	5.35	5.32	5.38
Toxaphene Peak 3	5.53	5.50	5.56
Toxaphene Peak 4	5.59	5.55	5.61
Toxaphene Peak 5	5.92	5.89	5.95

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.019.D
Lims ID: ccv t4
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 05:49:00 ALS Bottle#: 0 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:08:46 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:03:29

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							M
1	4.962	4.957	0.005	812456305H	500.0	498.4	
1	5.178	5.175	0.003	1261920813H	500.0	558.1	
1	5.230	5.227	0.003	1087015119H	500.0	512.9	
1	5.560	5.557	0.003	1588873525H	500.0	571.1	
1	5.803	5.800	0.003	1388768376H	500.0	649.0	
		Average of Peak Amounts =				557.9	
2	5.123	5.122	0.001	369123854H	500.0	586.1	M
2	5.348	5.347	0.001	407949716H	500.0	614.9	M
2	5.530	5.528	0.002	499525219H	500.0	548.7	M
2	5.585	5.583	0.002	478772884H	500.0	520.9	M
2	5.920	5.917	0.003	633764514H	500.0	595.3	M
		Average of Peak Amounts =				573.2	
						RPD = 2.70	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

GCS_TOX4_00013 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:08:48 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.019.D

Injection Date: 20-Dec-2023 05:49:00 Instrument ID: 9147

Lims ID: ccv t4

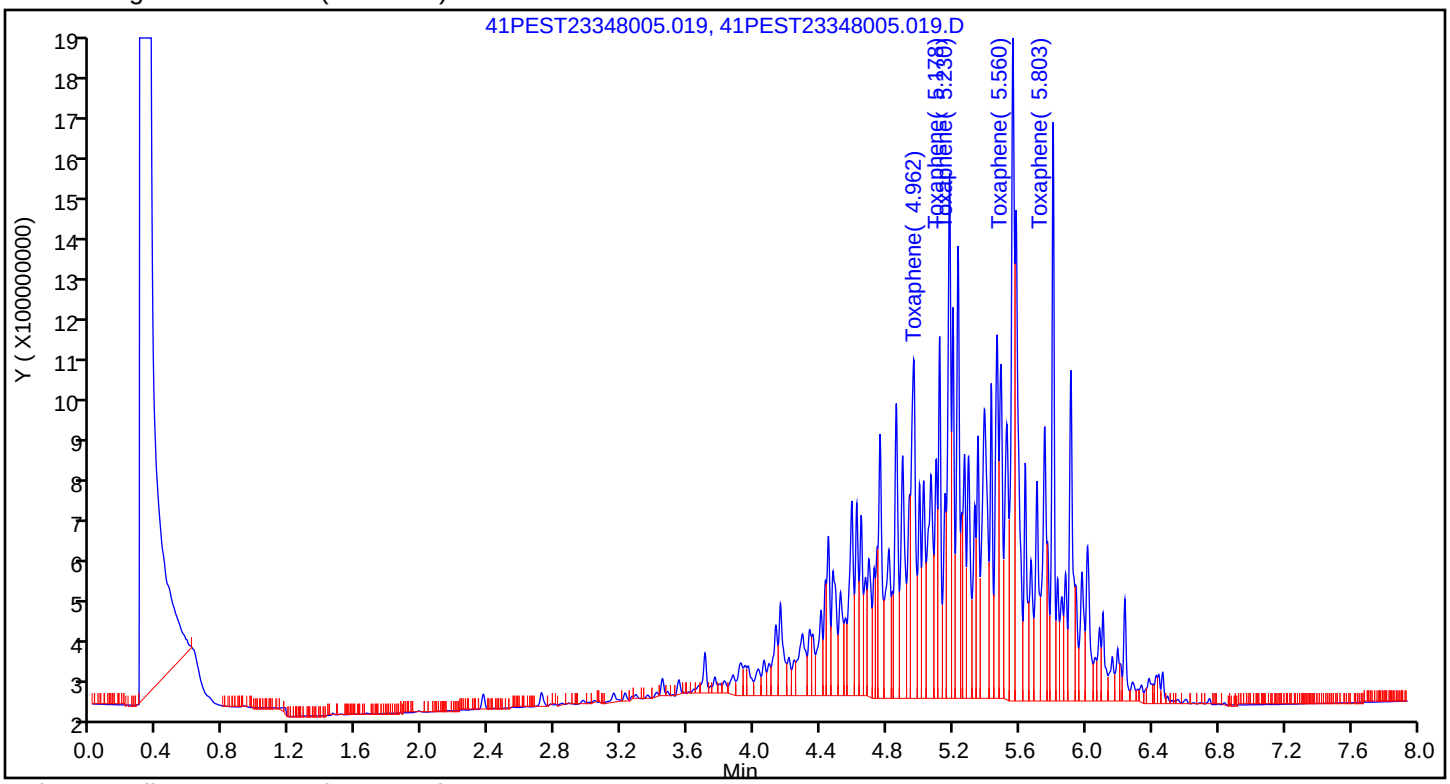
Client ID:

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

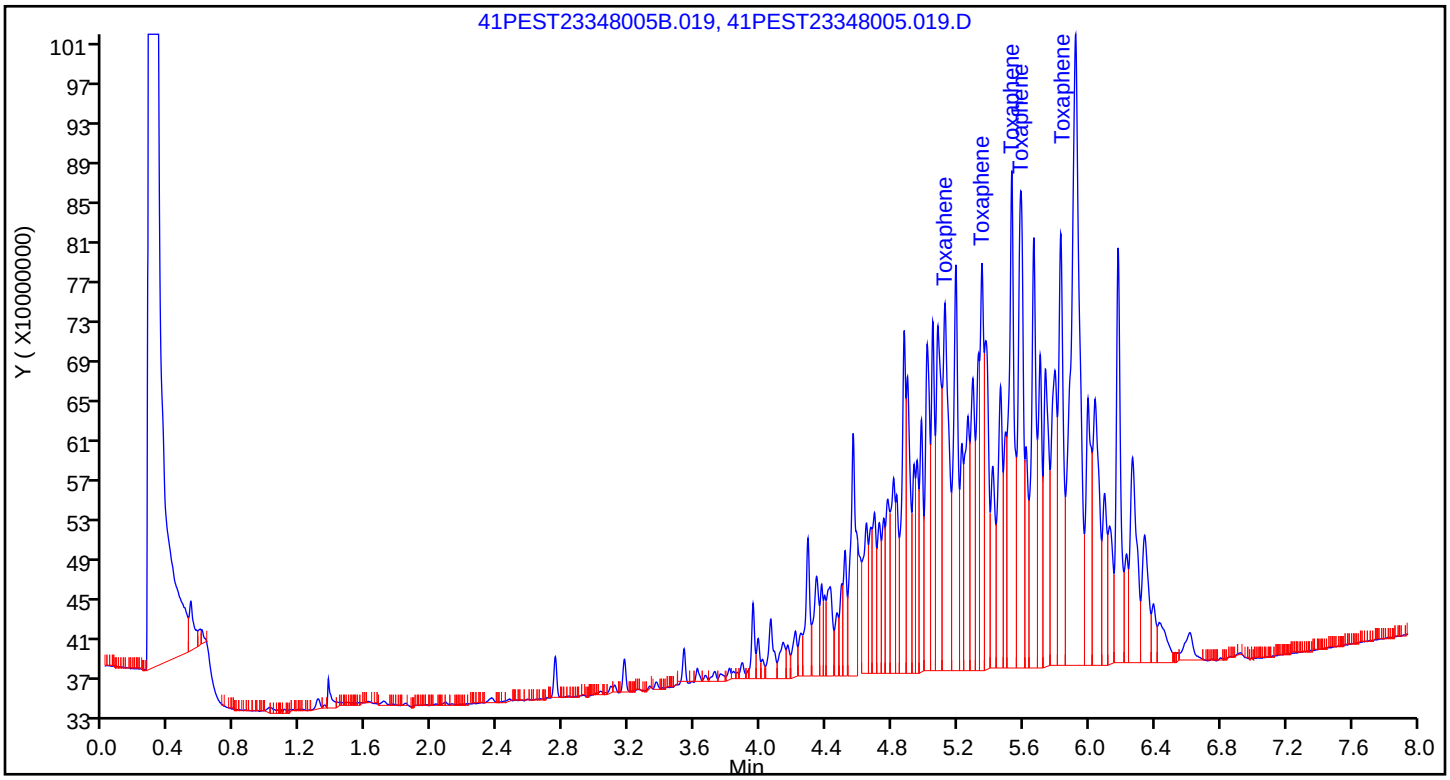
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Report Date: 20-Dec-2023 12:08:49 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.019.D

Injection Date: 20-Dec-2023 05:49:00 Instrument ID: 9147

Lims ID: ccv t4

Client ID:

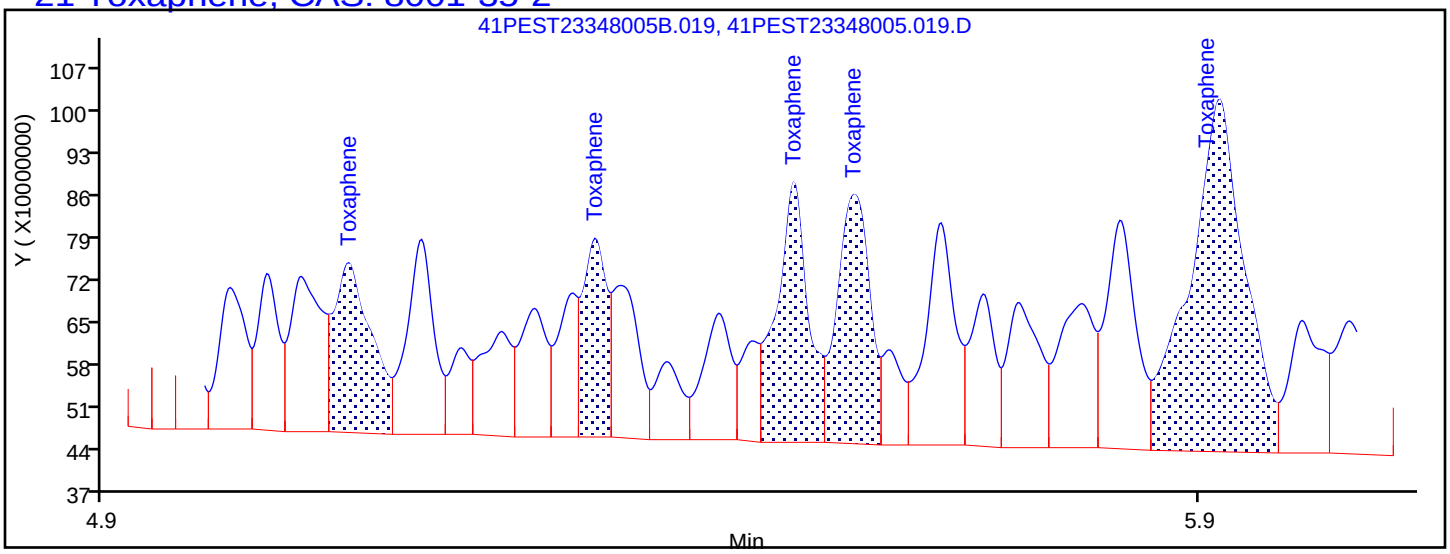
Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 19

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

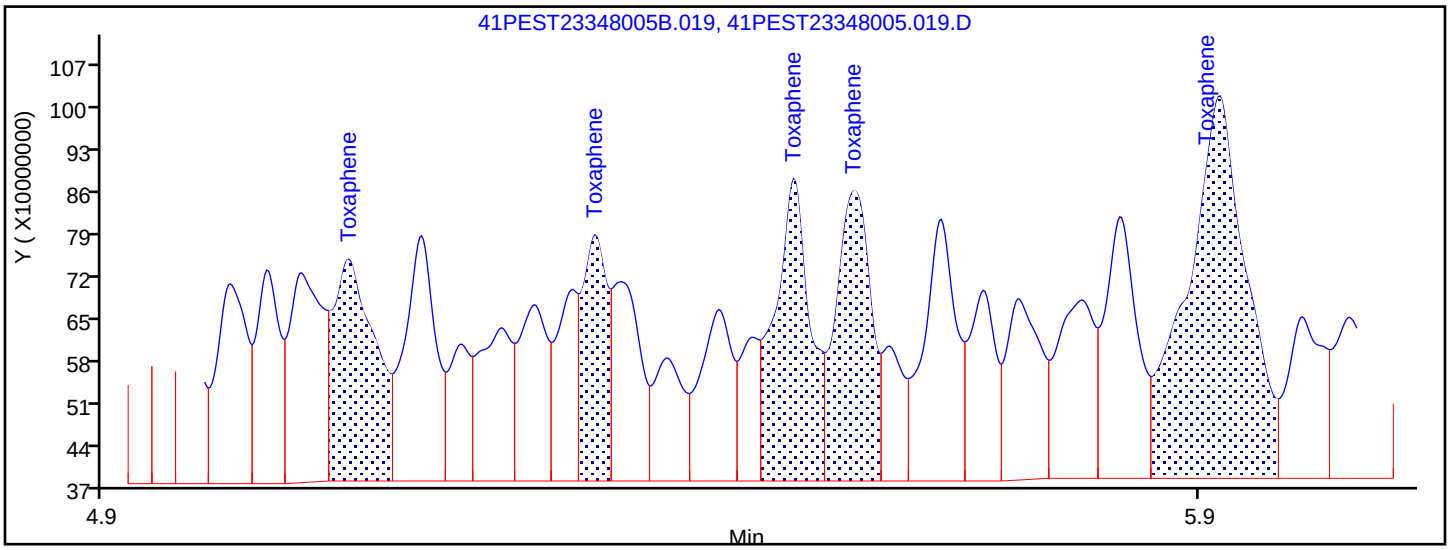
Column: Agilent DB-CLP2 (0.32 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2



Processing Integration Results

5.123	Response = 279957282
5.348	Response = 329316765
5.530	Response = 429397193
5.585	Response = 411219743
5.920	Response = 581894765



Manual Integration Results

5.123	Response = 369123854	M
5.348	Response = 407949716	M
5.530	Response = 499525219	M
5.585	Response = 478772884	M
5.920	Response = 633764514	M

Reviewer: UAMZ, 20-Dec-2023 12:03:28 -05:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/40 Calibration Date: 12/20/2023 11:53

Instrument ID: 9147 Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.040.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	119212878	111002093		4.66	5.01	-6.9	20.0
Telodrin	Ave	97390984	79626735		4.11	5.03	-18.2	20.0
Mirex	Ave	82669031	90937950		27.6	25.1	10.0	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/40
Calibration Date: 12/20/2023 11:53

Instrument ID: 9147
Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	2.27	2.24	2.30
Telodrin	3.51	3.48	3.54
Mirex	5.79	5.76	5.82

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.040.D
Lims ID: ccv ae
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 11:53:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv ae
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:15:05 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.775	1.778	-0.003	3341290257H	40.2	40.8	
2	2.338	2.340	-0.002	1444673483H	40.2	36.4	
						RPD = 11.37	
2 alpha-BHC							
1	2.362	2.363	-0.001	1302913231H	10.0	10.2	
2	2.748	2.750	-0.002	1403896461H	10.0	9.65	
						RPD = 5.64	
3 Hexachlorobenzene							
1	2.267	2.270	-0.003	556120486H	5.01	4.66	
2	2.832	2.833	-0.001	885570626H	5.01	4.62	
						RPD = 1.04	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1248457076H	10.1	10.1	
2	3.088	3.088	0.000	1431761227H	10.1	9.69	
						RPD = 4.35	
5 beta-BHC							
1	2.978	2.982	-0.004	506884079H	10.1	9.56	
2	3.375	3.375	0.000	561535379H	10.1	9.67	
						RPD = 1.10	
7 delta-BHC							
1	3.265	3.268	-0.003	1429929325H	10.0	10.2	
2	3.628	3.628	0.000	1805131239H	10.0	9.94	
						RPD = 2.41	
8 Heptachlor							
1	3.088	3.090	-0.002	1123689112H	10.0	10.2	
2	3.688	3.688	0.000	1657751588H	10.0	9.71	
						RPD = 5.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.398	3.400	-0.002	1204049581H	10.0	9.65	
2	3.988	3.988	0.000	1614414206H	10.0	9.36	
						RPD = 2.97	
10 Isobenzan							
1	3.508	3.510	-0.002	400522479H	5.03	4.11	
2	4.100	4.102	-0.002	570176611H	5.03	4.27	
						RPD = 3.68	
11 Heptachlor epoxide							
1	3.908	3.910	-0.002	1208565934H	10.1	9.84	
2	4.375	4.375	0.000	1460267234H	10.1	9.42	
						RPD = 4.36	
13 trans-Chlordane							
1	4.112	4.113	-0.001	1259825449H	10.0	9.81	
2	4.640	4.640	0.000	1315484767H	10.0	9.40	
						RPD = 4.30	
14 cis-Chlordane							
1	4.195	4.197	-0.002	1273882609H	10.1	10.0	
2	4.680	4.680	0.000	1304889383H	10.1	9.45	
						RPD = 5.57	
15 Endosulfan I							
1	4.238	4.242	-0.004	1191436067H	10.1	10.1	
2	4.708	4.710	-0.002	1269695299H	10.1	9.39	
						RPD = 7.03	
16 4,4'-DDE							
1	4.372	4.373	-0.001	2880101954H	20.1	20.3	
2	4.807	4.807	0.000	2288842940H	20.1	19.3	
						RPD = 5.28	
18 Dieldrin							
1	4.478	4.480	-0.002	2900126375H	20.0	20.9	
2	4.915	4.915	0.000	2193464361H	20.0	18.5	
						RPD = 11.90	
19 Endrin							
1	4.730	4.733	-0.003	2598678508H	20.0	20.6	
2	5.093	5.093	0.000	1596785165H	20.0	18.1	
						RPD = 12.75	
22 4,4'-DDD							
1	4.832	4.835	-0.003	2538433957H	20.0	21.1	
2	5.207	5.208	-0.001	977239759H	20.0	17.7	
						RPD = 17.76	
23 Endosulfan II							
1	4.940	4.942	-0.002	2529091368H	20.0	20.4	
2	5.297	5.298	-0.001	1102396983H	20.0	17.8	
						RPD = 13.69	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	2073367427H	20.0	20.4	
2	5.380	5.380	0.000	826870422H	20.0	17.8	
						RPD = 13.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.042	5.043	-0.001	2444267066H	20.0	23.2	
2	5.435	5.437	-0.002	693769141H	20.0	20.0	
						RPD = 14.81	
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	2394281452H	20.0	20.3	
2	5.590	5.592	-0.002	919144365H	20.0	18.7	
						RPD = 8.24	
28 Methoxychlor							
1	5.540	5.543	-0.003	6308936993H	100.8	117.1	
2	5.760	5.762	-0.002	1883920721H	100.8	102.6	
						RPD = 13.20	
29 Endrin ketone							
1	5.700	5.702	-0.002	2886499883H	20.1	21.2	
2	5.895	5.897	-0.002	1201177664H	20.1	20.3	
						RPD = 4.50	
30 Mirex							
1	5.792	5.793	-0.001	2284815992H	25.1	27.6	
2	6.255	6.257	-0.002	933987137H	25.1	27.5	
						RPD = 0.61	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	5051678627H	40.3	41.7	
2	6.943	6.945	-0.002	1869144594H	40.3	40.8	
						RPD = 2.09	
S 32 Total DDTs							
1						23.2	
2						20.0	
						RPD = 14.81	
S 33 Endosulfan, Total							
1						30.5	
2						27.2	
						RPD = 11.44	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:15:05 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.040.D

Injection Date: 20-Dec-2023 11:53:00 Instrument ID: 9147

Lims ID: ccv ae

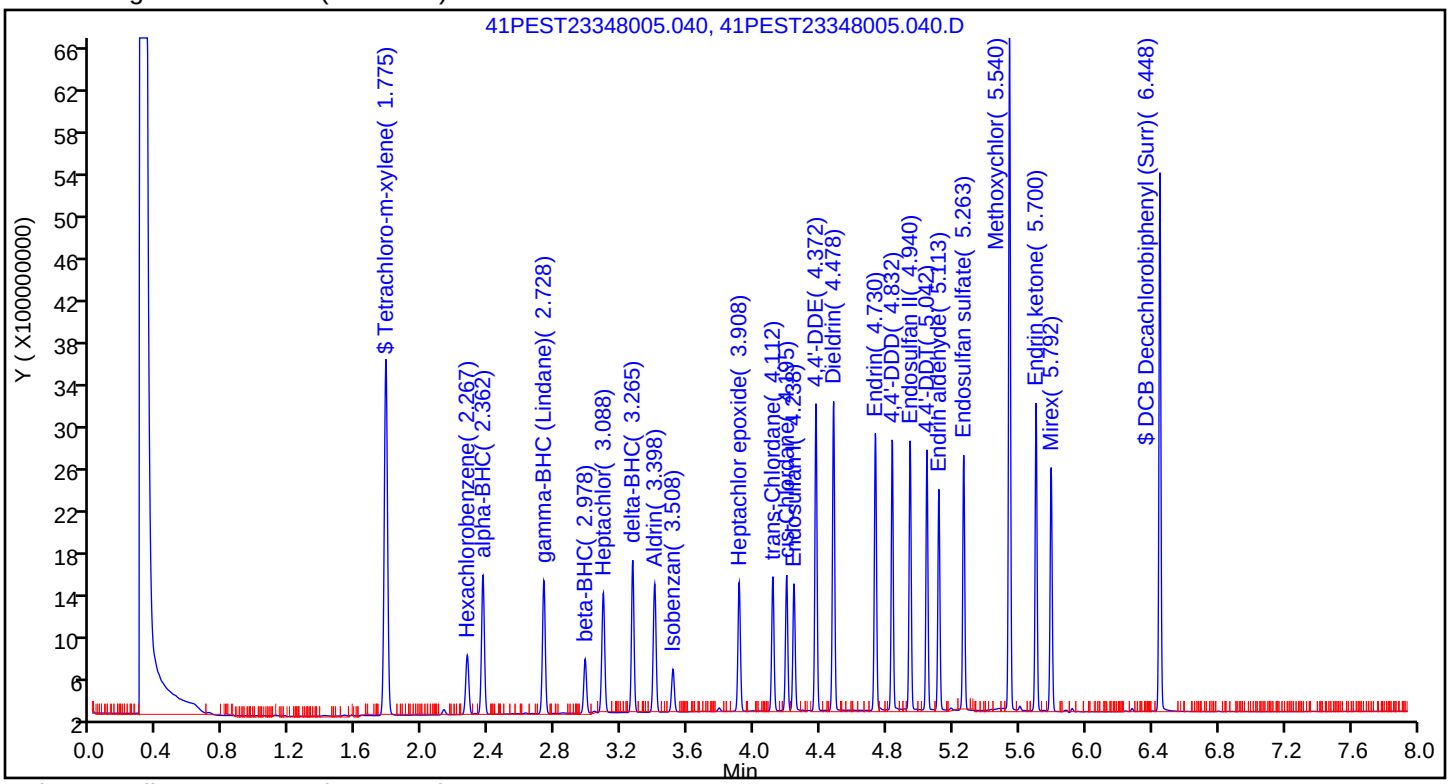
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 40

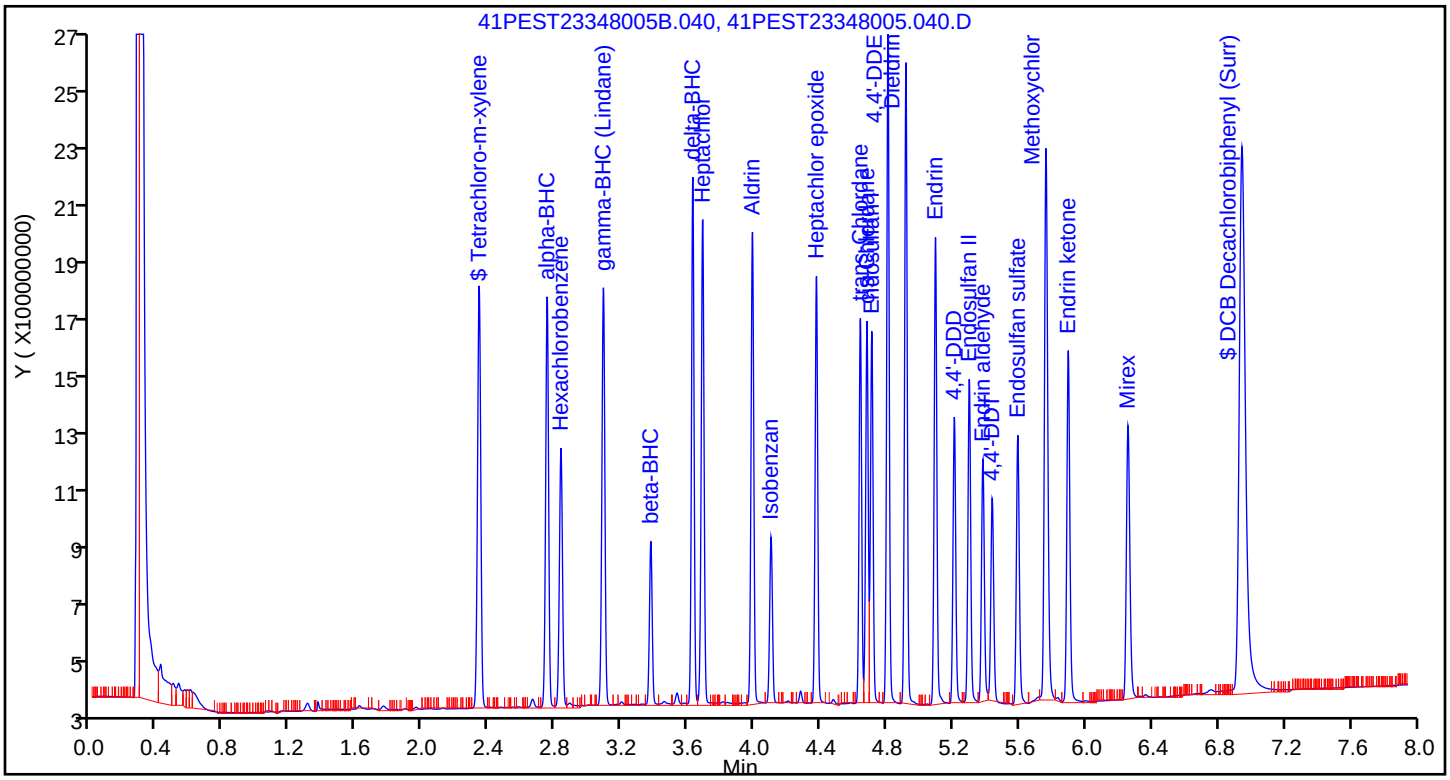
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/40
Calibration Date: 12/20/2023 11:53

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.040.D
Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	127611079	130291323		10.2	10.0	2.1	20.0
gamma-BHC (Lindane)	Ave	123411221	123304403		10.1	10.1	-0.0	20.0
beta-BHC	Ave	53012979	50062625		9.56	10.1	-5.6	20.0
Heptachlor	Ave	109936085	112368911		10.2	10.0	2.2	20.0
delta-BHC	Ave	140477776	142992933		10.2	10.0	1.8	20.0
Aldrin	Ave	124831220	120404958		9.65	10.0	-3.5	20.0
Heptachlor epoxide	Ave	122821268	119364537		9.84	10.1	-2.8	20.0
gamma-Chlordane	Ave	128433797	125982545		9.81	10.0	-1.9	20.0
alpha-Chlordane	Ave	127436628	125815566		10.0	10.1	-1.3	20.0
Endosulfan I	Ave	118260481	117672698		10.1	10.1	-0.5	20.0
p,p'-DDE	Ave	141693812	143110656		20.3	20.1	1.0	20.0
Dieldrin	Ave	138941325	145006319		20.9	20.0	4.4	20.0
Endrin	Ave	126235442	129933925		20.6	20.0	2.9	20.0
p,p'-DDD	Ave	120070019	126921698		21.1	20.0	5.7	20.0
Endosulfan II	Ave	123911266	126454568		20.4	20.0	2.1	20.0
p,p'-DDT	Ave	105408628	122213353		23.2	20.0	15.9	20.0
Endrin aldehyde	Ave	101556864	103668371		20.4	20.0	2.1	20.0
Endosulfan sulfate	Ave	117952138	119714073		20.3	20.0	1.5	20.0
Methoxychlor	Ave	53889022	62619722		117	101	16.2	20.0
Endrin ketone	Ave	136177384	143428566		21.2	20.1	5.3	20.0
Tetrachloro-m-xylene (Surr)	Ave	81826366	83034052		40.8	40.2	1.5	20.0
DCB Decachlorobiphenyl (Surr)	Ave	121170772	125227532		41.7	40.3	3.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/40
Calibration Date: 12/20/2023 11:53

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP1 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.040.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.36	2.33	2.39
gamma-BHC (Lindane)	2.73	2.70	2.76
beta-BHC	2.98	2.95	3.01
Heptachlor	3.09	3.06	3.12
delta-BHC	3.27	3.24	3.30
Aldrin	3.40	3.37	3.43
Heptachlor epoxide	3.91	3.88	3.94
gamma-Chlordane	4.11	4.08	4.14
alpha-Chlordane	4.20	4.17	4.23
Endosulfan I	4.24	4.21	4.27
p,p'-DDE	4.37	4.34	4.40
Dieldrin	4.48	4.45	4.51
Endrin	4.73	4.70	4.76
p,p'-DDD	4.83	4.81	4.87
Endosulfan II	4.94	4.91	4.97
p,p'-DDT	5.04	5.01	5.07
Endrin aldehyde	5.11	5.09	5.15
Endosulfan sulfate	5.26	5.24	5.30
Methoxychlor	5.54	5.51	5.57
Endrin ketone	5.70	5.67	5.73
Tetrachloro-m-xylene (Surr)	1.78	1.75	1.81
DCB Decachlorobiphenyl (Surr)	6.45	6.42	6.48

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.040.D
Lims ID: ccv ae
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 11:53:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv ae
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:15:05 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.775	1.778	-0.003	3341290257H	40.2	40.8	
2	2.338	2.340	-0.002	1444673483H	40.2	36.4	
						RPD = 11.37	
2 alpha-BHC							
1	2.362	2.363	-0.001	1302913231H	10.0	10.2	
2	2.748	2.750	-0.002	1403896461H	10.0	9.65	
						RPD = 5.64	
3 Hexachlorobenzene							
1	2.267	2.270	-0.003	556120486H	5.01	4.66	
2	2.832	2.833	-0.001	885570626H	5.01	4.62	
						RPD = 1.04	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1248457076H	10.1	10.1	
2	3.088	3.088	0.000	1431761227H	10.1	9.69	
						RPD = 4.35	
5 beta-BHC							
1	2.978	2.982	-0.004	506884079H	10.1	9.56	
2	3.375	3.375	0.000	561535379H	10.1	9.67	
						RPD = 1.10	
7 delta-BHC							
1	3.265	3.268	-0.003	1429929325H	10.0	10.2	
2	3.628	3.628	0.000	1805131239H	10.0	9.94	
						RPD = 2.41	
8 Heptachlor							
1	3.088	3.090	-0.002	1123689112H	10.0	10.2	
2	3.688	3.688	0.000	1657751588H	10.0	9.71	
						RPD = 5.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.398	3.400	-0.002	1204049581H	10.0	9.65	
2	3.988	3.988	0.000	1614414206H	10.0	9.36	
						RPD = 2.97	
10 Isobenzan							
1	3.508	3.510	-0.002	400522479H	5.03	4.11	
2	4.100	4.102	-0.002	570176611H	5.03	4.27	
						RPD = 3.68	
11 Heptachlor epoxide							
1	3.908	3.910	-0.002	1208565934H	10.1	9.84	
2	4.375	4.375	0.000	1460267234H	10.1	9.42	
						RPD = 4.36	
13 trans-Chlordane							
1	4.112	4.113	-0.001	1259825449H	10.0	9.81	
2	4.640	4.640	0.000	1315484767H	10.0	9.40	
						RPD = 4.30	
14 cis-Chlordane							
1	4.195	4.197	-0.002	1273882609H	10.1	10.0	
2	4.680	4.680	0.000	1304889383H	10.1	9.45	
						RPD = 5.57	
15 Endosulfan I							
1	4.238	4.242	-0.004	1191436067H	10.1	10.1	
2	4.708	4.710	-0.002	1269695299H	10.1	9.39	
						RPD = 7.03	
16 4,4'-DDE							
1	4.372	4.373	-0.001	2880101954H	20.1	20.3	
2	4.807	4.807	0.000	2288842940H	20.1	19.3	
						RPD = 5.28	
18 Dieldrin							
1	4.478	4.480	-0.002	2900126375H	20.0	20.9	
2	4.915	4.915	0.000	2193464361H	20.0	18.5	
						RPD = 11.90	
19 Endrin							
1	4.730	4.733	-0.003	2598678508H	20.0	20.6	
2	5.093	5.093	0.000	1596785165H	20.0	18.1	
						RPD = 12.75	
22 4,4'-DDD							
1	4.832	4.835	-0.003	2538433957H	20.0	21.1	
2	5.207	5.208	-0.001	977239759H	20.0	17.7	
						RPD = 17.76	
23 Endosulfan II							
1	4.940	4.942	-0.002	2529091368H	20.0	20.4	
2	5.297	5.298	-0.001	1102396983H	20.0	17.8	
						RPD = 13.69	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	2073367427H	20.0	20.4	
2	5.380	5.380	0.000	826870422H	20.0	17.8	
						RPD = 13.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.042	5.043	-0.001	2444267066H	20.0	23.2	
2	5.435	5.437	-0.002	693769141H	20.0	20.0	
						RPD = 14.81	
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	2394281452H	20.0	20.3	
2	5.590	5.592	-0.002	919144365H	20.0	18.7	
						RPD = 8.24	
28 Methoxychlor							
1	5.540	5.543	-0.003	6308936993H	100.8	117.1	
2	5.760	5.762	-0.002	1883920721H	100.8	102.6	
						RPD = 13.20	
29 Endrin ketone							
1	5.700	5.702	-0.002	2886499883H	20.1	21.2	
2	5.895	5.897	-0.002	1201177664H	20.1	20.3	
						RPD = 4.50	
30 Mirex							
1	5.792	5.793	-0.001	2284815992H	25.1	27.6	
2	6.255	6.257	-0.002	933987137H	25.1	27.5	
						RPD = 0.61	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	5051678627H	40.3	41.7	
2	6.943	6.945	-0.002	1869144594H	40.3	40.8	
						RPD = 2.09	
S 32 Total DDTs							
1						23.2	
2						20.0	
						RPD = 14.81	
S 33 Endosulfan, Total							
1						30.5	
2						27.2	
						RPD = 11.44	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:15:05 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.040.D

Injection Date: 20-Dec-2023 11:53:00 Instrument ID: 9147

Lims ID: ccv ae

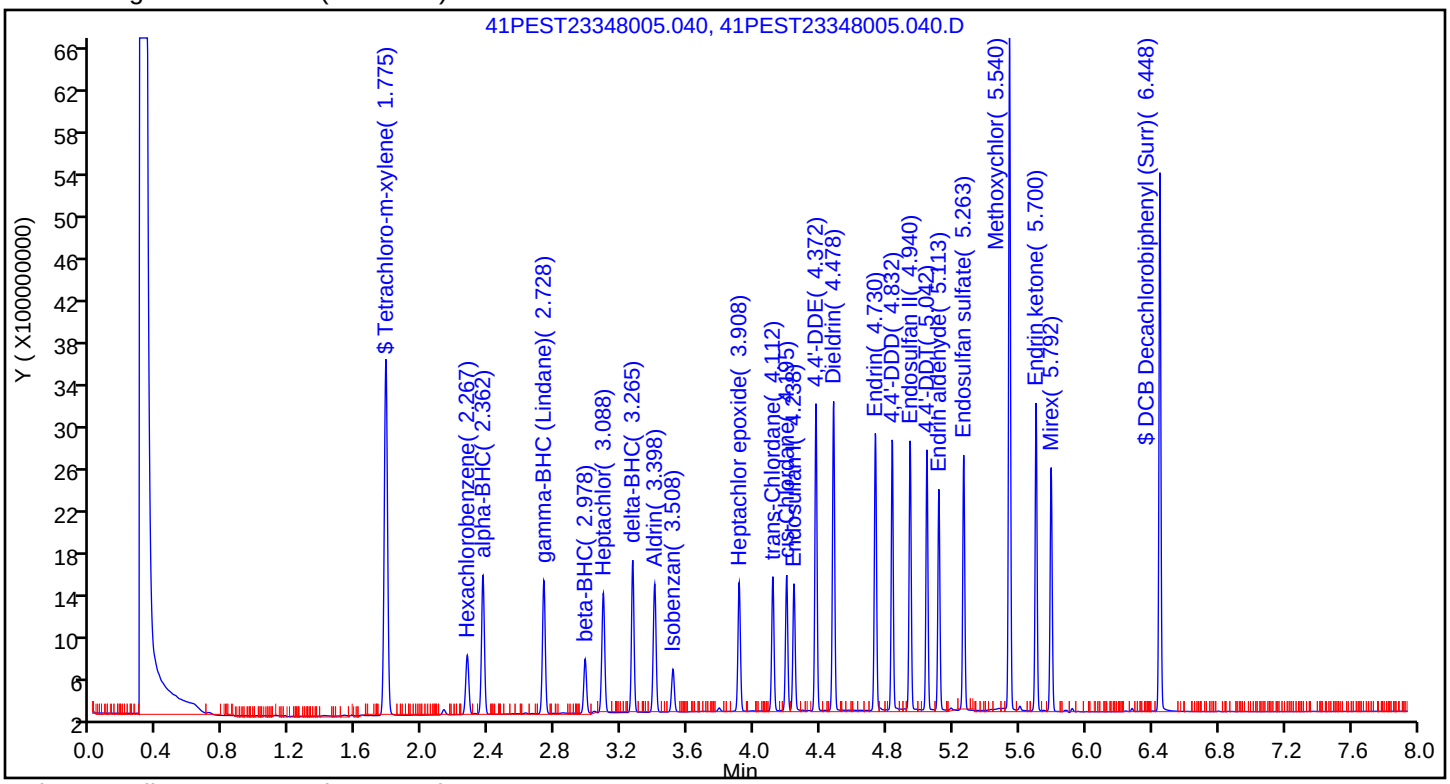
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 40

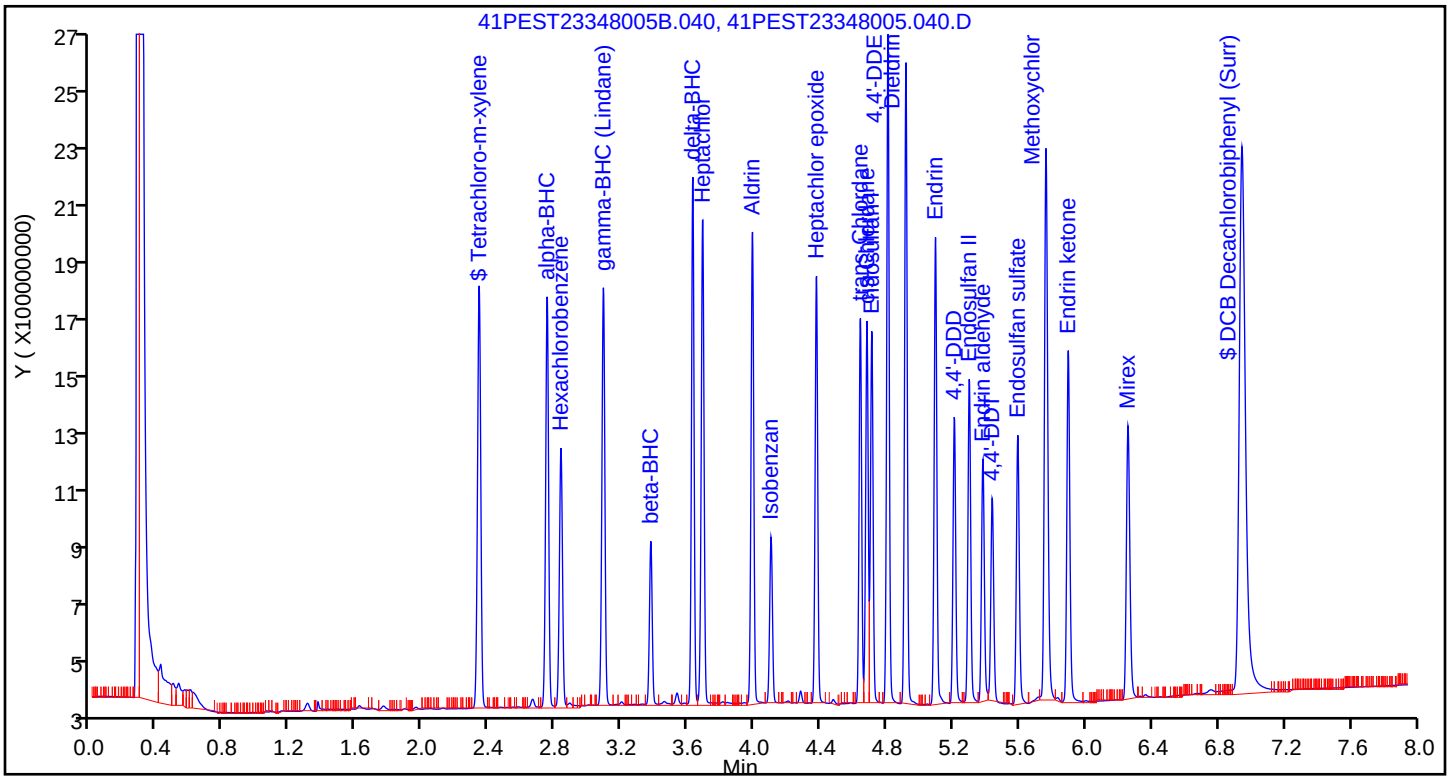
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/40 Calibration Date: 12/20/2023 11:53

Instrument ID: 9147 Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.040.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobenzene	Ave	191814623	176760604		4.62	5.01	-7.8	20.0
Telodrin	Ave	133633746	113355191		4.27	5.03	-15.2	20.0
Mirex	Ave	34000414	37173617		27.5	25.1	9.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/40
Calibration Date: 12/20/2023 11:53

Instrument ID: 9147
Calib Start Date: 12/14/2023 06:14

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 12/14/2023 07:41

Lab File ID: 41PEST23348005.040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Hexachlorobenzene	2.83	2.80	2.86
Telodrin	4.10	4.07	4.13
Mirex	6.26	6.23	6.29

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.040.D
Lims ID: ccv ae
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 11:53:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv ae
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:15:05 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.775	1.778	-0.003	3341290257H	40.2	40.8	
2	2.338	2.340	-0.002	1444673483H	40.2	36.4	
						RPD = 11.37	
2 alpha-BHC							
1	2.362	2.363	-0.001	1302913231H	10.0	10.2	
2	2.748	2.750	-0.002	1403896461H	10.0	9.65	
						RPD = 5.64	
3 Hexachlorobenzene							
1	2.267	2.270	-0.003	556120486H	5.01	4.66	
2	2.832	2.833	-0.001	885570626H	5.01	4.62	
						RPD = 1.04	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1248457076H	10.1	10.1	
2	3.088	3.088	0.000	1431761227H	10.1	9.69	
						RPD = 4.35	
5 beta-BHC							
1	2.978	2.982	-0.004	506884079H	10.1	9.56	
2	3.375	3.375	0.000	561535379H	10.1	9.67	
						RPD = 1.10	
7 delta-BHC							
1	3.265	3.268	-0.003	1429929325H	10.0	10.2	
2	3.628	3.628	0.000	1805131239H	10.0	9.94	
						RPD = 2.41	
8 Heptachlor							
1	3.088	3.090	-0.002	1123689112H	10.0	10.2	
2	3.688	3.688	0.000	1657751588H	10.0	9.71	
						RPD = 5.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.398	3.400	-0.002	1204049581H	10.0	9.65	
2	3.988	3.988	0.000	1614414206H	10.0	9.36	
						RPD = 2.97	
10 Isobenzan							
1	3.508	3.510	-0.002	400522479H	5.03	4.11	
2	4.100	4.102	-0.002	570176611H	5.03	4.27	
						RPD = 3.68	
11 Heptachlor epoxide							
1	3.908	3.910	-0.002	1208565934H	10.1	9.84	
2	4.375	4.375	0.000	1460267234H	10.1	9.42	
						RPD = 4.36	
13 trans-Chlordane							
1	4.112	4.113	-0.001	1259825449H	10.0	9.81	
2	4.640	4.640	0.000	1315484767H	10.0	9.40	
						RPD = 4.30	
14 cis-Chlordane							
1	4.195	4.197	-0.002	1273882609H	10.1	10.0	
2	4.680	4.680	0.000	1304889383H	10.1	9.45	
						RPD = 5.57	
15 Endosulfan I							
1	4.238	4.242	-0.004	1191436067H	10.1	10.1	
2	4.708	4.710	-0.002	1269695299H	10.1	9.39	
						RPD = 7.03	
16 4,4'-DDE							
1	4.372	4.373	-0.001	2880101954H	20.1	20.3	
2	4.807	4.807	0.000	2288842940H	20.1	19.3	
						RPD = 5.28	
18 Dieldrin							
1	4.478	4.480	-0.002	2900126375H	20.0	20.9	
2	4.915	4.915	0.000	2193464361H	20.0	18.5	
						RPD = 11.90	
19 Endrin							
1	4.730	4.733	-0.003	2598678508H	20.0	20.6	
2	5.093	5.093	0.000	1596785165H	20.0	18.1	
						RPD = 12.75	
22 4,4'-DDD							
1	4.832	4.835	-0.003	2538433957H	20.0	21.1	
2	5.207	5.208	-0.001	977239759H	20.0	17.7	
						RPD = 17.76	
23 Endosulfan II							
1	4.940	4.942	-0.002	2529091368H	20.0	20.4	
2	5.297	5.298	-0.001	1102396983H	20.0	17.8	
						RPD = 13.69	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	2073367427H	20.0	20.4	
2	5.380	5.380	0.000	826870422H	20.0	17.8	
						RPD = 13.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.042	5.043	-0.001	2444267066H	20.0	23.2	
2	5.435	5.437	-0.002	693769141H	20.0	20.0	
						RPD = 14.81	
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	2394281452H	20.0	20.3	
2	5.590	5.592	-0.002	919144365H	20.0	18.7	
						RPD = 8.24	
28 Methoxychlor							
1	5.540	5.543	-0.003	6308936993H	100.8	117.1	
2	5.760	5.762	-0.002	1883920721H	100.8	102.6	
						RPD = 13.20	
29 Endrin ketone							
1	5.700	5.702	-0.002	2886499883H	20.1	21.2	
2	5.895	5.897	-0.002	1201177664H	20.1	20.3	
						RPD = 4.50	
30 Mirex							
1	5.792	5.793	-0.001	2284815992H	25.1	27.6	
2	6.255	6.257	-0.002	933987137H	25.1	27.5	
						RPD = 0.61	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	5051678627H	40.3	41.7	
2	6.943	6.945	-0.002	1869144594H	40.3	40.8	
						RPD = 2.09	
S 32 Total DDTs							
1						23.2	
2						20.0	
						RPD = 14.81	
S 33 Endosulfan, Total							
1						30.5	
2						27.2	
						RPD = 11.44	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:15:06 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.040.D

Injection Date: 20-Dec-2023 11:53:00 Instrument ID: 9147

Lims ID: ccv ae

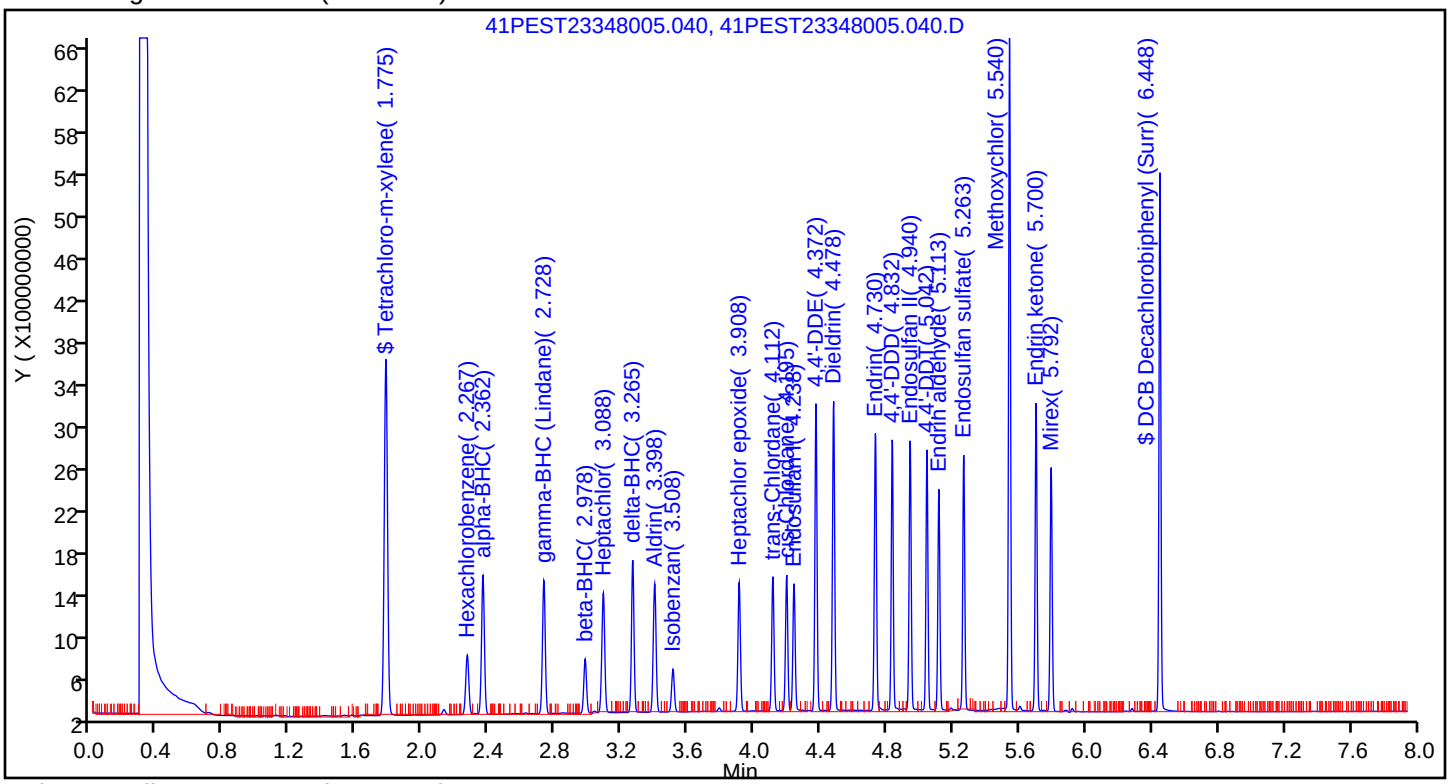
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 40

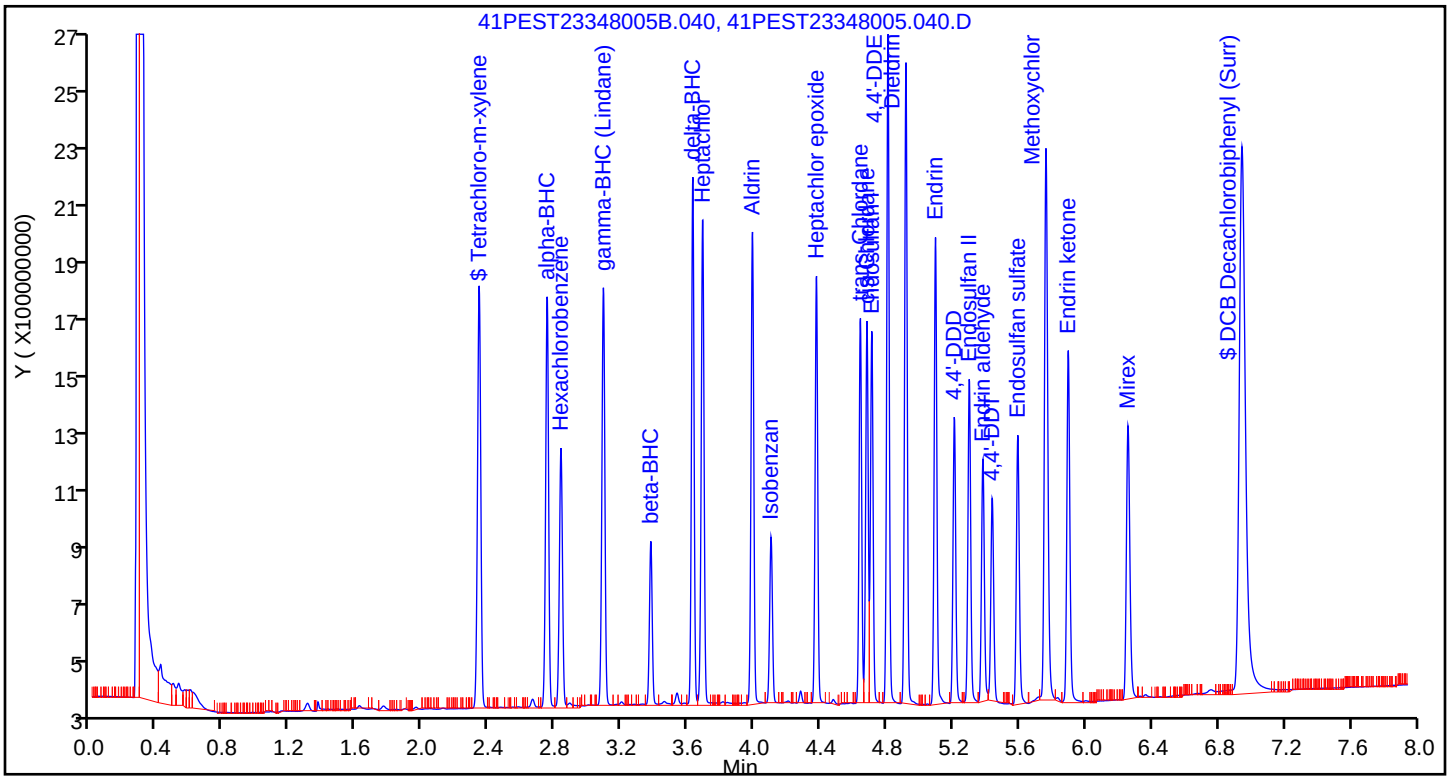
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/40 Calibration Date: 12/20/2023 11:53

Instrument ID: 9147 Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.040.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	145485983	140389646		9.65	10.0	-3.5	20.0
gamma-BHC (Lindane)	Ave	147825575	141408516		9.69	10.1	-4.3	20.0
beta-BHC	Ave	58083955	55460284		9.67	10.1	-4.5	20.0
delta-BHC	Ave	181671280	180513124		9.94	10.0	-0.6	20.0
Heptachlor	Ave	170686055	165775159		9.71	10.0	-2.9	20.0
Aldrin	Ave	172429471	161441421		9.36	10.0	-6.4	20.0
Heptachlor epoxide	Ave	155018304	144223924		9.42	10.1	-7.0	20.0
gamma-Chlordane	Ave	140007862	131548477		9.40	10.0	-6.0	20.0
alpha-Chlordane	Ave	138024307	128877964		9.45	10.1	-6.6	20.0
Endosulfan I	Ave	135205080	125402005		9.39	10.1	-7.3	20.0
p,p'-DDE	Ave	118712445	113731326		19.3	20.1	-4.2	20.0
Dieldrin	Ave	118378353	109673218		18.5	20.0	-7.4	20.0
Endrin	Ave	88126851	79839258		18.1	20.0	-9.4	20.0
p,p'-DDD	Ave	55231768	48861988		17.7	20.0	-11.5	20.0
Endosulfan II	Ave	61946954	55119849		17.8	20.0	-11.0	20.0
Endrin aldehyde	Ave	46479185	41343521		17.8	20.0	-11.0	20.0
p,p'-DDT	Ave	34702983	34688457		20.0	20.0	-0.0	20.0
Endosulfan sulfate	Ave	49174589	45957218		18.7	20.0	-6.5	20.0
Methoxychlor	Ave	18365220	18698965		103	101	1.8	20.0
Endrin ketone	Ave	59279358	59685847		20.3	20.1	0.7	20.0
Tetrachloro-m-xylene (Surr)	Ave	39644833	35901429		36.4	40.2	-9.4	20.0
DCB Decachlorobiphenyl (Surr)	Ave	45780379	46334769		40.8	40.3	1.2	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/40
Calibration Date: 12/20/2023 11:53

Instrument ID: 9147
Calib Start Date: 12/19/2023 05:18

GC Column: DB CLP2 ID: 0.32(mm)
Calib End Date: 12/19/2023 06:31

Lab File ID: 41PEST23348005.040.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	2.75	2.72	2.78
gamma-BHC (Lindane)	3.09	3.06	3.12
beta-BHC	3.38	3.35	3.41
delta-BHC	3.63	3.60	3.66
Heptachlor	3.69	3.66	3.72
Aldrin	3.99	3.96	4.02
Heptachlor epoxide	4.38	4.35	4.41
gamma-Chlordane	4.64	4.61	4.67
alpha-Chlordane	4.68	4.65	4.71
Endosulfan I	4.71	4.68	4.74
p,p'-DDE	4.81	4.78	4.84
Dieldrin	4.92	4.89	4.95
Endrin	5.09	5.06	5.12
p,p'-DDD	5.21	5.18	5.24
Endosulfan II	5.30	5.27	5.33
Endrin aldehyde	5.38	5.35	5.41
p,p'-DDT	5.44	5.41	5.47
Endosulfan sulfate	5.59	5.56	5.62
Methoxychlor	5.76	5.73	5.79
Endrin ketone	5.90	5.87	5.93
Tetrachloro-m-xylene (Surr)	2.34	2.31	2.37
DCB Decachlorobiphenyl (Surr)	6.94	6.92	6.98

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.040.D
Lims ID: ccv ae
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 11:53:00 ALS Bottle#: 0 Worklist Smp#: 40
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv ae
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub15

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:15:05 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.775	1.778	-0.003	3341290257H	40.2	40.8	
2	2.338	2.340	-0.002	1444673483H	40.2	36.4	
						RPD = 11.37	
2 alpha-BHC							
1	2.362	2.363	-0.001	1302913231H	10.0	10.2	
2	2.748	2.750	-0.002	1403896461H	10.0	9.65	
						RPD = 5.64	
3 Hexachlorobenzene							
1	2.267	2.270	-0.003	556120486H	5.01	4.66	
2	2.832	2.833	-0.001	885570626H	5.01	4.62	
						RPD = 1.04	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1248457076H	10.1	10.1	
2	3.088	3.088	0.000	1431761227H	10.1	9.69	
						RPD = 4.35	
5 beta-BHC							
1	2.978	2.982	-0.004	506884079H	10.1	9.56	
2	3.375	3.375	0.000	561535379H	10.1	9.67	
						RPD = 1.10	
7 delta-BHC							
1	3.265	3.268	-0.003	1429929325H	10.0	10.2	
2	3.628	3.628	0.000	1805131239H	10.0	9.94	
						RPD = 2.41	
8 Heptachlor							
1	3.088	3.090	-0.002	1123689112H	10.0	10.2	
2	3.688	3.688	0.000	1657751588H	10.0	9.71	
						RPD = 5.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
9 Aldrin							
1	3.398	3.400	-0.002	1204049581H	10.0	9.65	
2	3.988	3.988	0.000	1614414206H	10.0	9.36	
						RPD = 2.97	
10 Isobenzan							
1	3.508	3.510	-0.002	400522479H	5.03	4.11	
2	4.100	4.102	-0.002	570176611H	5.03	4.27	
						RPD = 3.68	
11 Heptachlor epoxide							
1	3.908	3.910	-0.002	1208565934H	10.1	9.84	
2	4.375	4.375	0.000	1460267234H	10.1	9.42	
						RPD = 4.36	
13 trans-Chlordane							
1	4.112	4.113	-0.001	1259825449H	10.0	9.81	
2	4.640	4.640	0.000	1315484767H	10.0	9.40	
						RPD = 4.30	
14 cis-Chlordane							
1	4.195	4.197	-0.002	1273882609H	10.1	10.0	
2	4.680	4.680	0.000	1304889383H	10.1	9.45	
						RPD = 5.57	
15 Endosulfan I							
1	4.238	4.242	-0.004	1191436067H	10.1	10.1	
2	4.708	4.710	-0.002	1269695299H	10.1	9.39	
						RPD = 7.03	
16 4,4'-DDE							
1	4.372	4.373	-0.001	2880101954H	20.1	20.3	
2	4.807	4.807	0.000	2288842940H	20.1	19.3	
						RPD = 5.28	
18 Dieldrin							
1	4.478	4.480	-0.002	2900126375H	20.0	20.9	
2	4.915	4.915	0.000	2193464361H	20.0	18.5	
						RPD = 11.90	
19 Endrin							
1	4.730	4.733	-0.003	2598678508H	20.0	20.6	
2	5.093	5.093	0.000	1596785165H	20.0	18.1	
						RPD = 12.75	
22 4,4'-DDD							
1	4.832	4.835	-0.003	2538433957H	20.0	21.1	
2	5.207	5.208	-0.001	977239759H	20.0	17.7	
						RPD = 17.76	
23 Endosulfan II							
1	4.940	4.942	-0.002	2529091368H	20.0	20.4	
2	5.297	5.298	-0.001	1102396983H	20.0	17.8	
						RPD = 13.69	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	2073367427H	20.0	20.4	
2	5.380	5.380	0.000	826870422H	20.0	17.8	
						RPD = 13.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
26 4,4'-DDT							
1	5.042	5.043	-0.001	2444267066H	20.0	23.2	
2	5.435	5.437	-0.002	693769141H	20.0	20.0	
						RPD = 14.81	
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	2394281452H	20.0	20.3	
2	5.590	5.592	-0.002	919144365H	20.0	18.7	
						RPD = 8.24	
28 Methoxychlor							
1	5.540	5.543	-0.003	6308936993H	100.8	117.1	
2	5.760	5.762	-0.002	1883920721H	100.8	102.6	
						RPD = 13.20	
29 Endrin ketone							
1	5.700	5.702	-0.002	2886499883H	20.1	21.2	
2	5.895	5.897	-0.002	1201177664H	20.1	20.3	
						RPD = 4.50	
30 Mirex							
1	5.792	5.793	-0.001	2284815992H	25.1	27.6	
2	6.255	6.257	-0.002	933987137H	25.1	27.5	
						RPD = 0.61	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	5051678627H	40.3	41.7	
2	6.943	6.945	-0.002	1869144594H	40.3	40.8	
						RPD = 2.09	
S 32 Total DDTs							
1						23.2	
2						20.0	
						RPD = 14.81	
S 33 Endosulfan, Total							
1						30.5	
2						27.2	
						RPD = 11.44	

Reagents:

GCS_MIXAEccv_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:15:06 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.040.D

Injection Date: 20-Dec-2023 11:53:00 Instrument ID: 9147

Lims ID: ccv ae

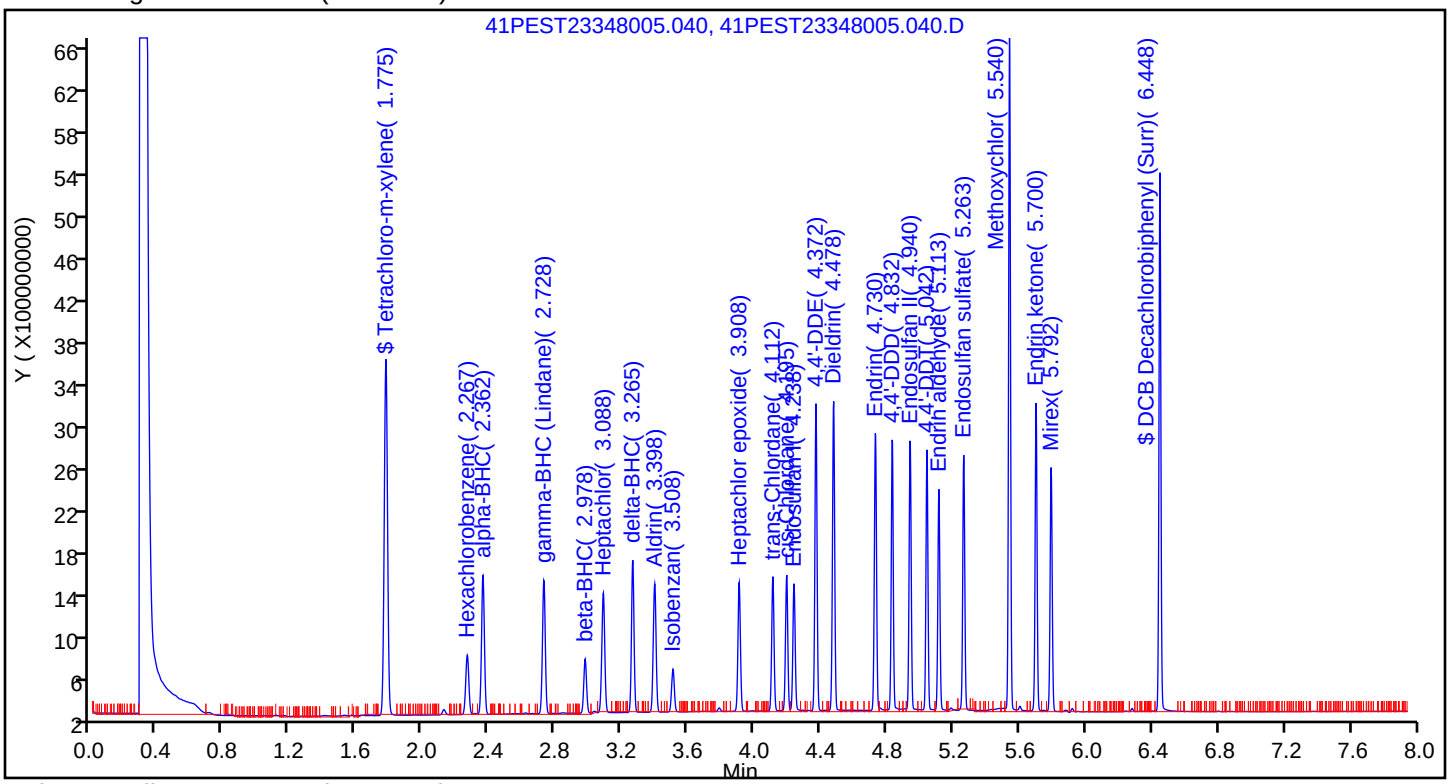
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 40

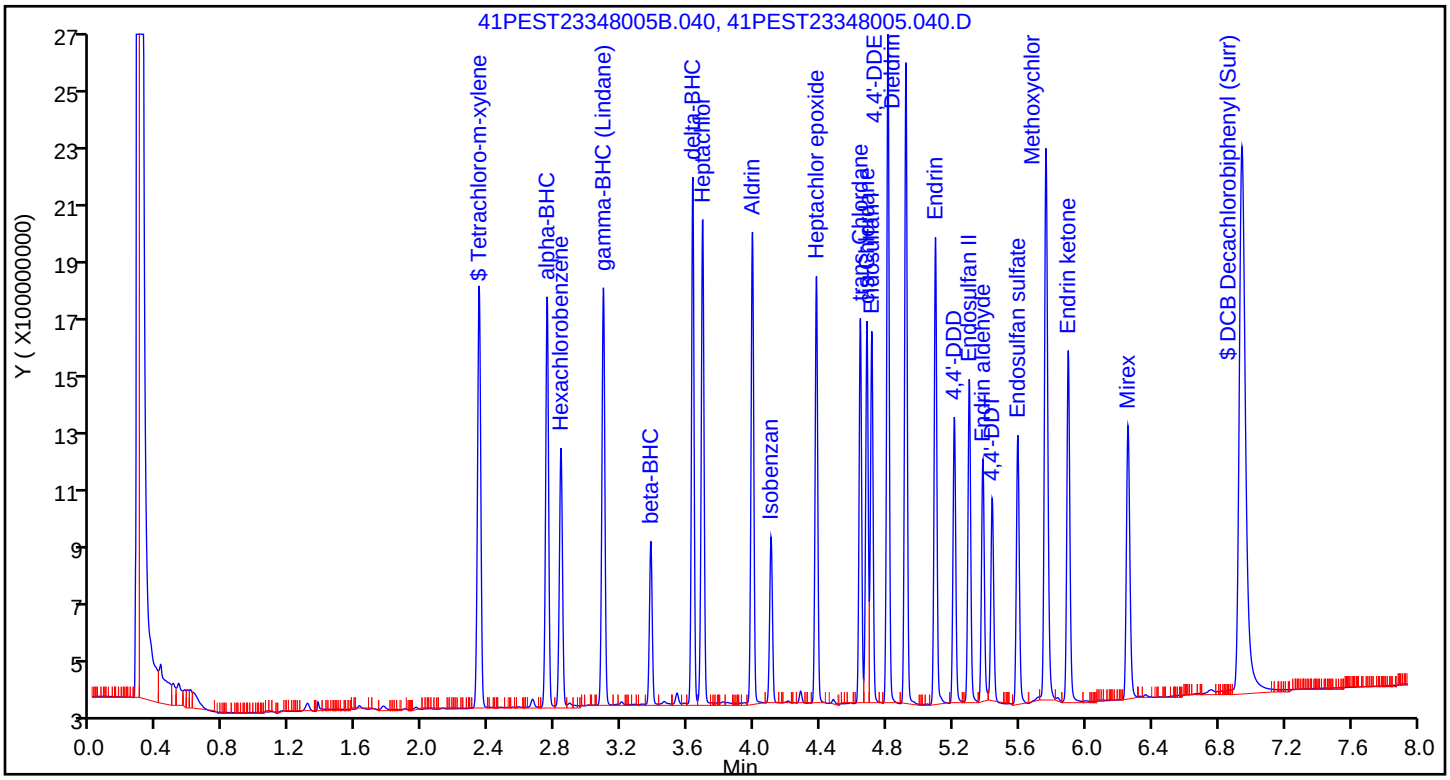
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/41 Calibration Date: 12/20/2023 12:08

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348005.041.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	1630043	1623484		498	500	-0.4	20.0
Toxaphene Peak 2	Ave	2261118	2559334		566	500	13.2	20.0
Toxaphene Peak 3	Ave	2119279	2141618		505	500	1.1	20.0
Toxaphene Peak 4	Ave	2782193	3241129		582	500	16.5	20.0
Toxaphene Peak 5	Qua		2766695		647	500	29.3*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/41 Calibration Date: 12/20/2023 12:08

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP1 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348005.041.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	4.96	4.93	4.99
Toxaphene Peak 2	5.18	5.15	5.21
Toxaphene Peak 3	5.23	5.20	5.26
Toxaphene Peak 4	5.56	5.53	5.59
Toxaphene Peak 5	5.80	5.77	5.83

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.041.D
Lims ID: ccv t4
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 12:08:00 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:19:41 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	4.960	4.957	0.003	811742100H	500.0	498.0	
1	5.177	5.175	0.002	1279667107H	500.0	565.9	
1	5.227	5.227	0.000	1070809060H	500.0	505.3	
1	5.558	5.557	0.001	1620564473H	500.0	582.5	
1	5.802	5.800	0.002	1383347464H	500.0	646.7	
		Average of Peak Amounts =				559.7	
2	5.118	5.122	-0.004	346654233H	500.0	550.5	
2	5.343	5.347	-0.004	386980070H	500.0	583.3	
2	5.525	5.528	-0.003	486368745H	500.0	534.2	
2	5.580	5.583	-0.003	478331830H	500.0	520.5	
2	5.913	5.917	-0.004	651656357H	500.0	609.6	
		Average of Peak Amounts =				559.6	
						RPD = 0.01	

Reagents:

GCS_TOX4_00013 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:19:42 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.041.D

Injection Date: 20-Dec-2023 12:08:00 Instrument ID: 9147

Lims ID: ccv t4

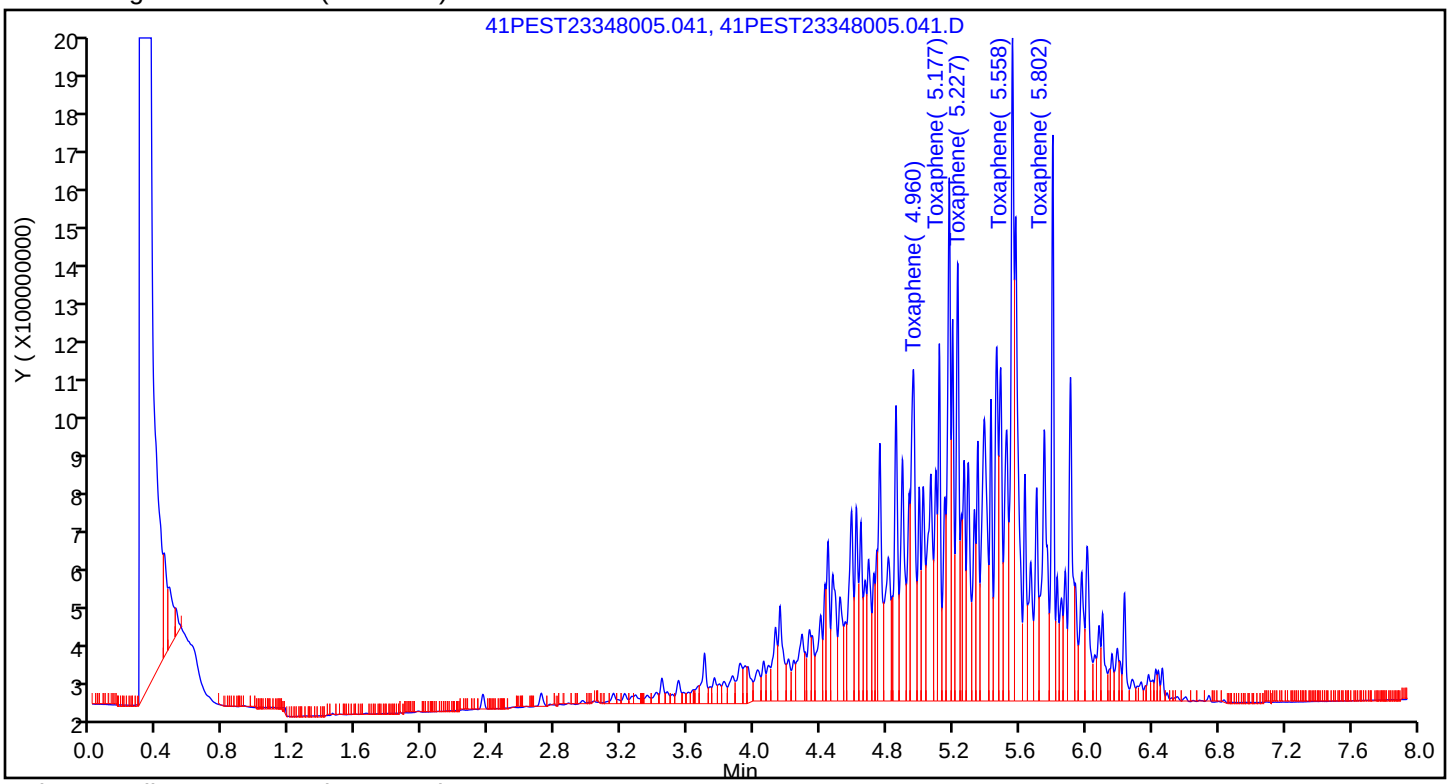
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 41

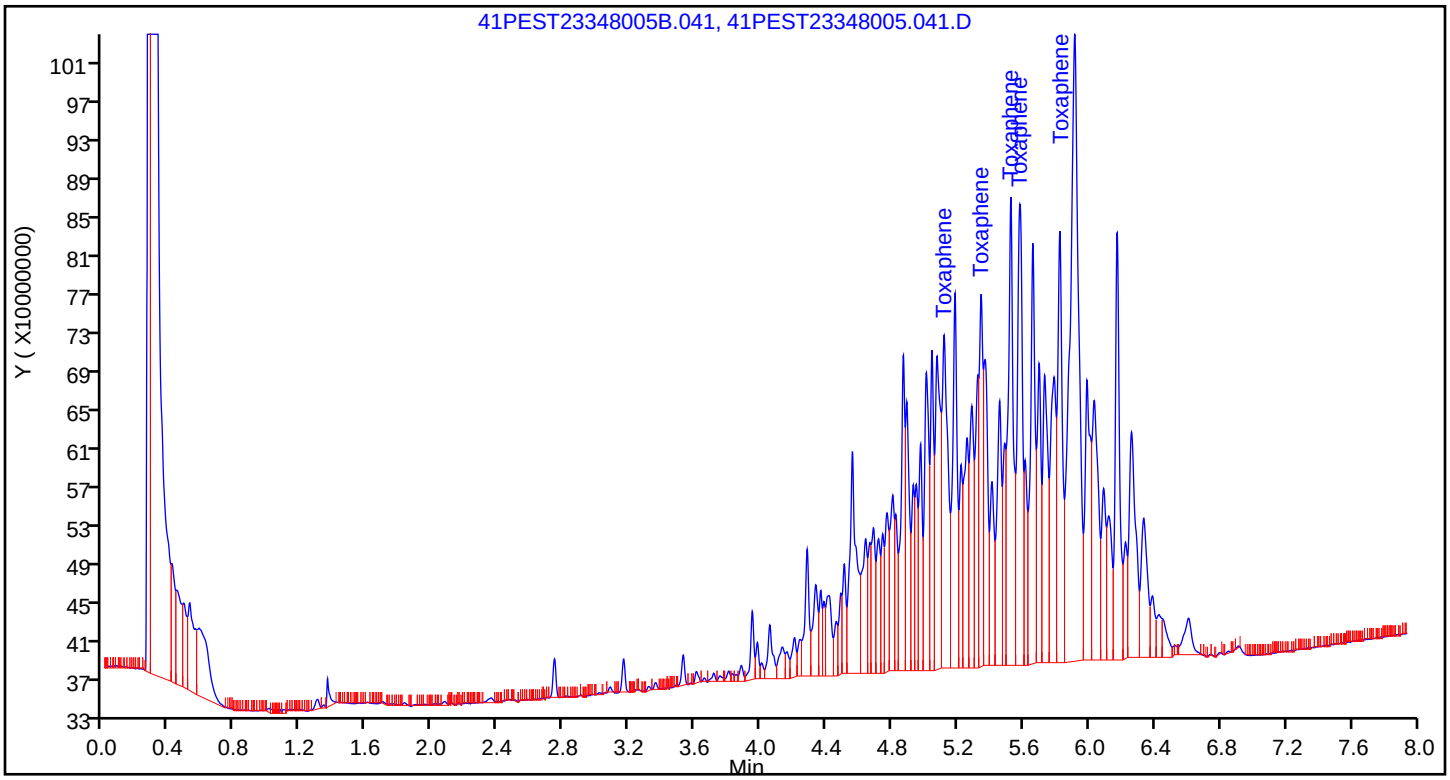
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/41 Calibration Date: 12/20/2023 12:08

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348005.041.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	629762	693308		550	500	10.1	20.0
Toxaphene Peak 2	Ave	663442	773960		583	500	16.7	20.0
Toxaphene Peak 3	Ave	910424	972737		534	500	6.8	20.0
Toxaphene Peak 4	Qua		956664		520	500	4.1	20.0
Toxaphene Peak 5	Qua		1303313		610	500	21.9*	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Lab Sample ID: CCV 410-456082/41 Calibration Date: 12/20/2023 12:08

Instrument ID: 9147 Calib Start Date: 12/14/2023 09:23

GC Column: DB CLP2 ID: 0.32(mm) Calib End Date: 12/14/2023 10:35

Lab File ID: 41PEST23348005.041.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	5.12	5.09	5.15
Toxaphene Peak 2	5.34	5.32	5.38
Toxaphene Peak 3	5.53	5.50	5.56
Toxaphene Peak 4	5.58	5.55	5.61
Toxaphene Peak 5	5.91	5.89	5.95

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.041.D
Lims ID: ccv t4
Client ID:
Sample Type: CCV
Inject. Date: 20-Dec-2023 12:08:00 ALS Bottle#: 0 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccv t4
Operator ID: 492 Instrument ID: 9147
Sublist: chrom-PEST_9147*sub4

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:19:41 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 Toxaphene							
1	4.960	4.957	0.003	811742100H	500.0	498.0	
1	5.177	5.175	0.002	1279667107H	500.0	565.9	
1	5.227	5.227	0.000	1070809060H	500.0	505.3	
1	5.558	5.557	0.001	1620564473H	500.0	582.5	
1	5.802	5.800	0.002	1383347464H	500.0	646.7	
		Average of Peak Amounts =				559.7	
2	5.118	5.122	-0.004	346654233H	500.0	550.5	
2	5.343	5.347	-0.004	386980070H	500.0	583.3	
2	5.525	5.528	-0.003	486368745H	500.0	534.2	
2	5.580	5.583	-0.003	478331830H	500.0	520.5	
2	5.913	5.917	-0.004	651656357H	500.0	609.6	
		Average of Peak Amounts =				559.6	
						RPD = 0.01	

Reagents:

GCS_TOX4_00013 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:19:42 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.041.D

Injection Date: 20-Dec-2023 12:08:00 Instrument ID: 9147

Lims ID: ccv t4

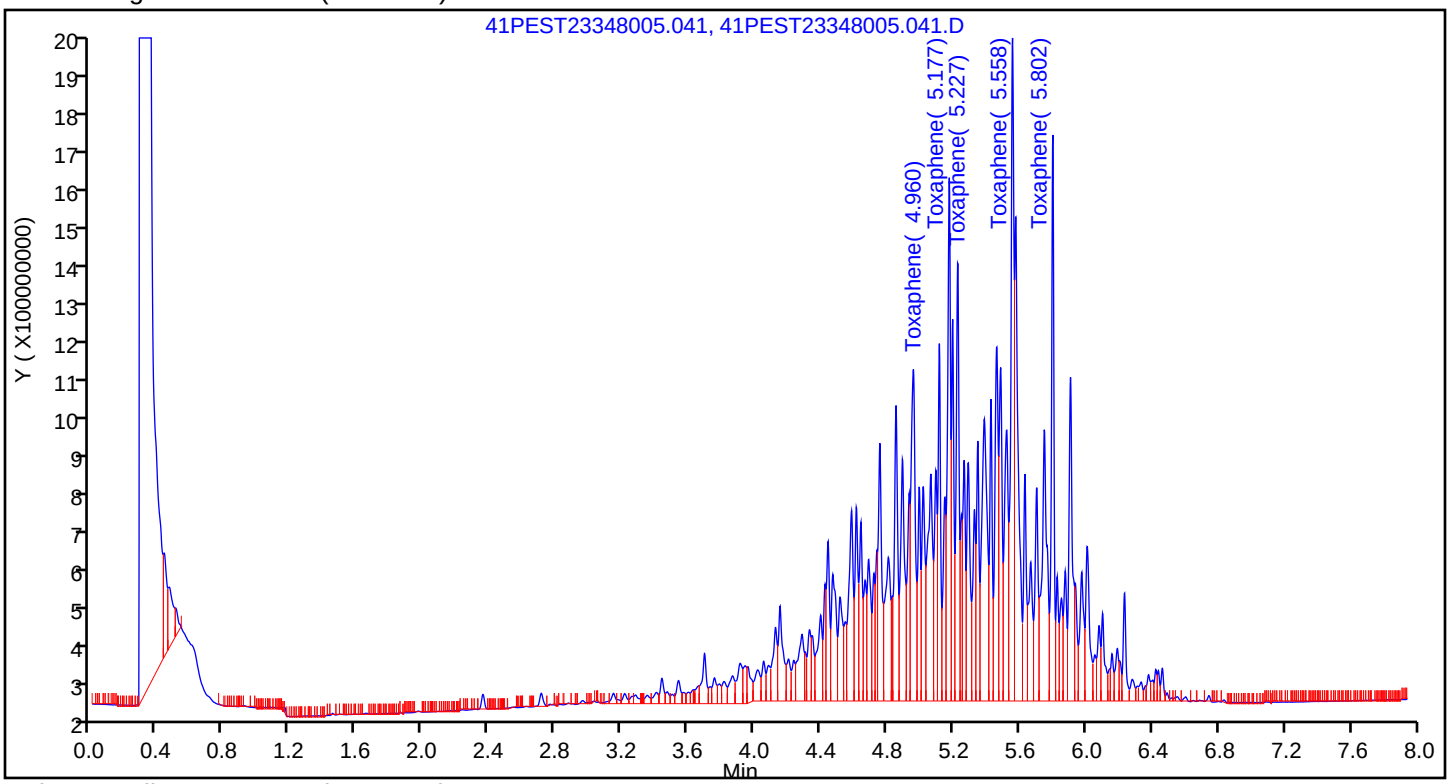
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 41

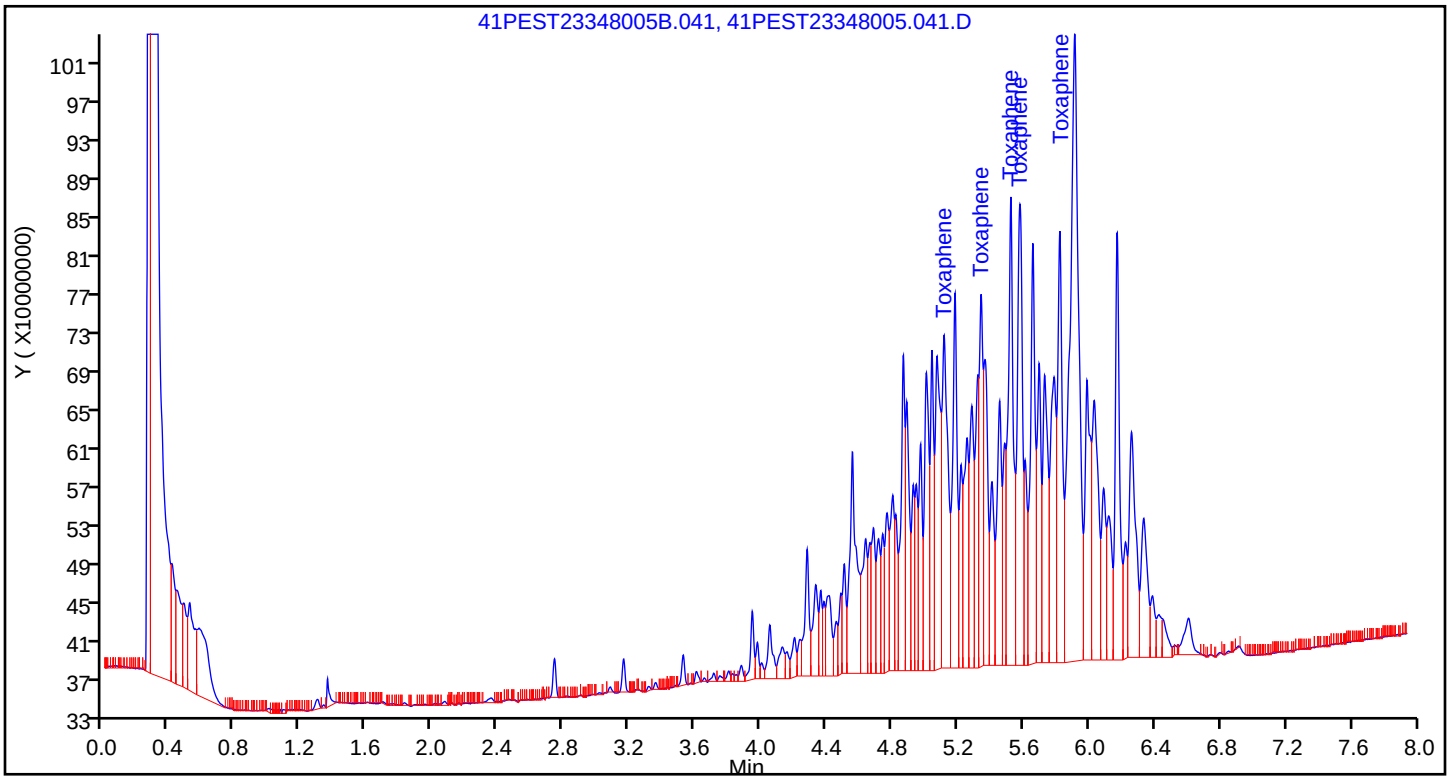
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 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 Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-455243/1-A

Matrix: Water
Lab File ID: 41PEST23348005.022.D

Analysis Method: 8081B
Date Collected:

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250(mL)
Date Analyzed: 12/20/2023 07:33

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
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
319-85-7	beta-BHC	ND		0.030	0.011
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)	75		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	71		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.022.D
Lims ID: MB 410-455243/1-A
Client ID:
Sample Type: MB
Inject. Date: 20-Dec-2023 07:33:00 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-455243/1-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:15:37 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:15:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	867162126H	15.0	10.6	
2	2.337	2.340	-0.003	423528290H	15.0	10.7	
						RPD = 0.80	
2 alpha-BHC							
1	2.357	2.363	-0.006	416656H		0.003265	
2	2.743	2.750	-0.007	598688H		0.004115	
						RPD = 23.04	
3 Hexachlorobenzene							
1	2.273	2.270	0.003	692055H		0.005805	
2	2.828	2.833	-0.005	685252H		0.003572	
						RPD = 47.62	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	79688H		0.000646	
2	3.108	3.088	0.020	4425714H		0.0299	
						RPD = 191.56	
5 beta-BHC							
1	2.977	2.982	-0.005	389246H		0.007342	
2	3.383	3.375	0.008	3354008H		0.0577	
						RPD = 154.88	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.250	3.268	-0.018	486031H		0.003460	
2	3.640	3.628	0.012	488516H		0.002689	
						RPD = 25.07	
8 Heptachlor							
1	3.095	3.090	0.005	2263643H		0.0206	
2	3.712	3.688	0.024	2662906H		0.0156	
						RPD = 27.57	
9 Aldrin							
1	3.398	3.400	-0.002	70774H		0.000567	
2	3.983	3.988	-0.005	169711H		0.000984	
						RPD = 53.80	
10 Isobenzan							
1	3.515	3.510	0.005	187244H		0.001923	
2	4.095	4.102	-0.007	645691H		0.004832	
						RPD = 86.14	
11 Heptachlor epoxide							
1	3.917	3.910	0.007	1036240H		0.008437	
2	4.373	4.375	-0.002	136288H		0.000879	
						RPD = 162.25	
12 2,4'-DDE							
1	4.107	4.120	-0.013	214480H		0.002414	
2	4.530	4.515	0.015	3679022H		0.0442	
						RPD = 179.30	
13 trans-Chlordane							
1	4.113	4.113	0.000	197530H		0.001538	
2	4.633	4.640	-0.007	1045316H		0.007466	
						RPD = 131.68	
14 cis-Chlordane							
1	4.198	4.197	0.001	903007H		0.007086	
2	4.695	4.680	0.015	2225484H		0.0161	
						RPD = 77.88	
15 Endosulfan I							
1	4.237	4.242	-0.005	502763H		0.004251	
2	4.707	4.710	-0.003	2490669H		0.0184	
						RPD = 125.00	
16 4,4'-DDE							
1	4.377	4.373	0.004	1397185H		0.009861	
2	4.807	4.807	0.000	1652355H		0.0139	
						RPD = 34.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.540	4.538	0.002	816075H		0.009837	
2	4.888	4.885	0.003	633117H		0.0135	
						RPD = 31.05	
18 Dieldrin							
1	4.485	4.480	0.005	1455697H		0.0105	
2	4.925	4.915	0.010	118938H		0.001005	
						RPD = 165.00	
19 Endrin							
1	4.730	4.733	-0.003	627664H		0.004972	
2	5.090	5.093	-0.003	726466H		0.008243	
						RPD = 49.51	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1	4.760	4.762	-0.002	282966H		0.003913	
2	5.135	5.123	0.012	434822H		0.0132	
						RPD = 108.52	
22 4,4'-DDD							
1	4.830	4.835	-0.005	96277H		0.000802	
2	5.207	5.208	-0.001	75984H		0.001376	
						RPD = 52.71	
23 Endosulfan II							
1	4.943	4.942	0.001	113192H		0.000913	
2	5.280	5.298	-0.018	1899493H		0.0307	
						RPD = 188.43	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	193358H		0.001904	
2	5.377	5.380	-0.003	678454H		0.0146	
						RPD = 153.85	
26 4,4'-DDT							
1	5.042	5.043	-0.001	5754787H		0.0546	
2	5.435	5.437	-0.002	201313H		0.005801	
						RPD = 161.58	
24 Kepone							
1	4.990	4.990	0.000	708881H		0.0104	
2	5.490	5.490	0.000	433519H		0.0197	
						RPD = 61.83	
27 Endosulfan sulfate							
1	5.275	5.267	0.008	1244782H		0.0106	
2	5.597	5.592	0.005	175620H		0.003571	
						RPD = 98.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.540	5.543	-0.003	1277572H		0.0237	
2	5.762	5.762	0.000	407141H		0.0222	
						RPD = 6.71	
29 Endrin ketone							
1	5.705	5.702	0.003	506454H		0.003719	
2	5.900	5.897	0.003	308457H		0.005203	
						RPD = 33.27	
30 Mirex							
1	5.787	5.793	-0.006	704790H		0.008525	
2	6.253	6.257	-0.004	164011H		0.004824	
						RPD = 55.46	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.452	6.450	0.002	1356064052H	15.0	11.2	
2	6.947	6.945	0.002	528584948H	15.0	11.5	
						RPD = 3.12	
S 32 Total DDTs							
1						0.0585	
2						0.0190	
						RPD = 101.96	
S 33 Endosulfan, Total							
1						0.005165	
2						0.0491	
						RPD = 161.92	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:15:54 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.022.D

Injection Date: 20-Dec-2023 07:33:00 Instrument ID: 9147

Lims ID: MB 410-455243/1-A

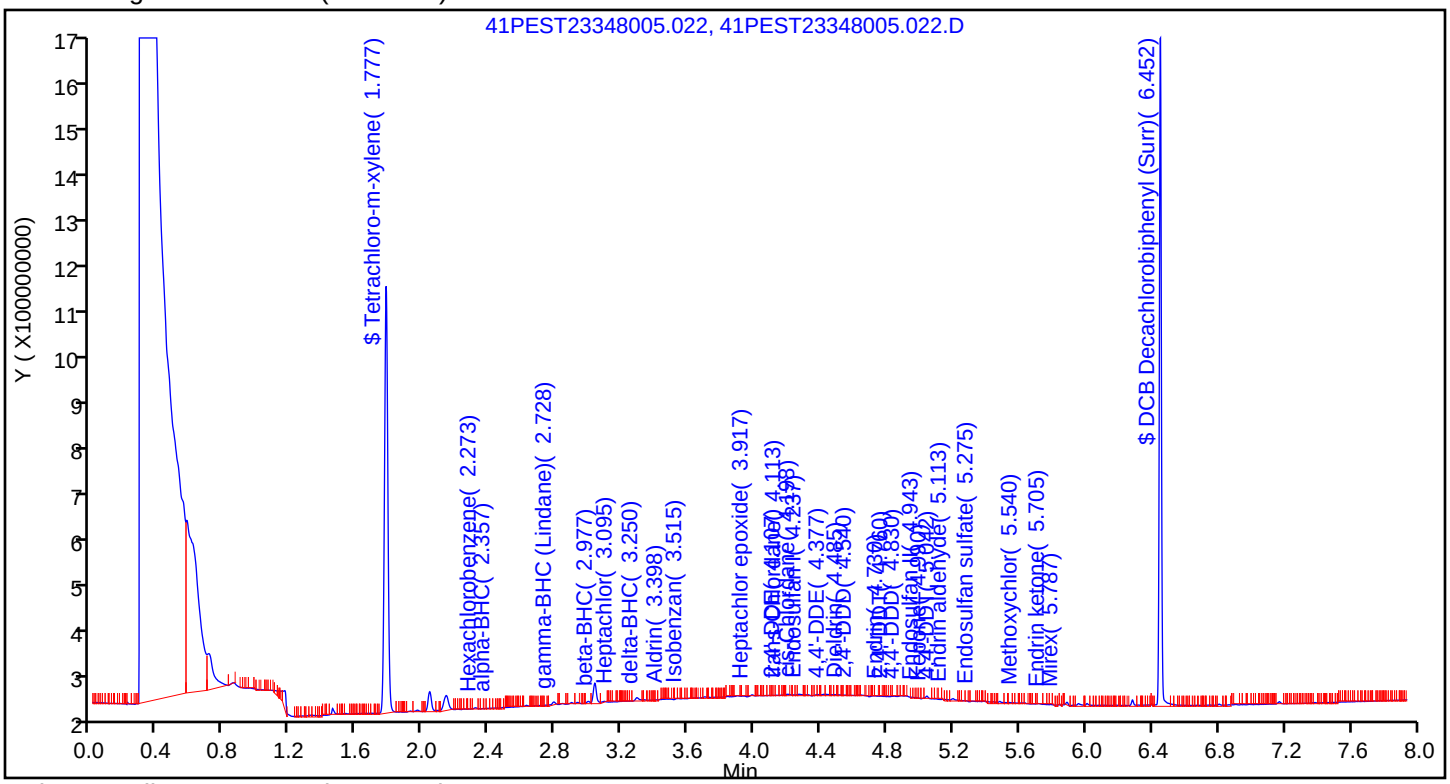
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 22

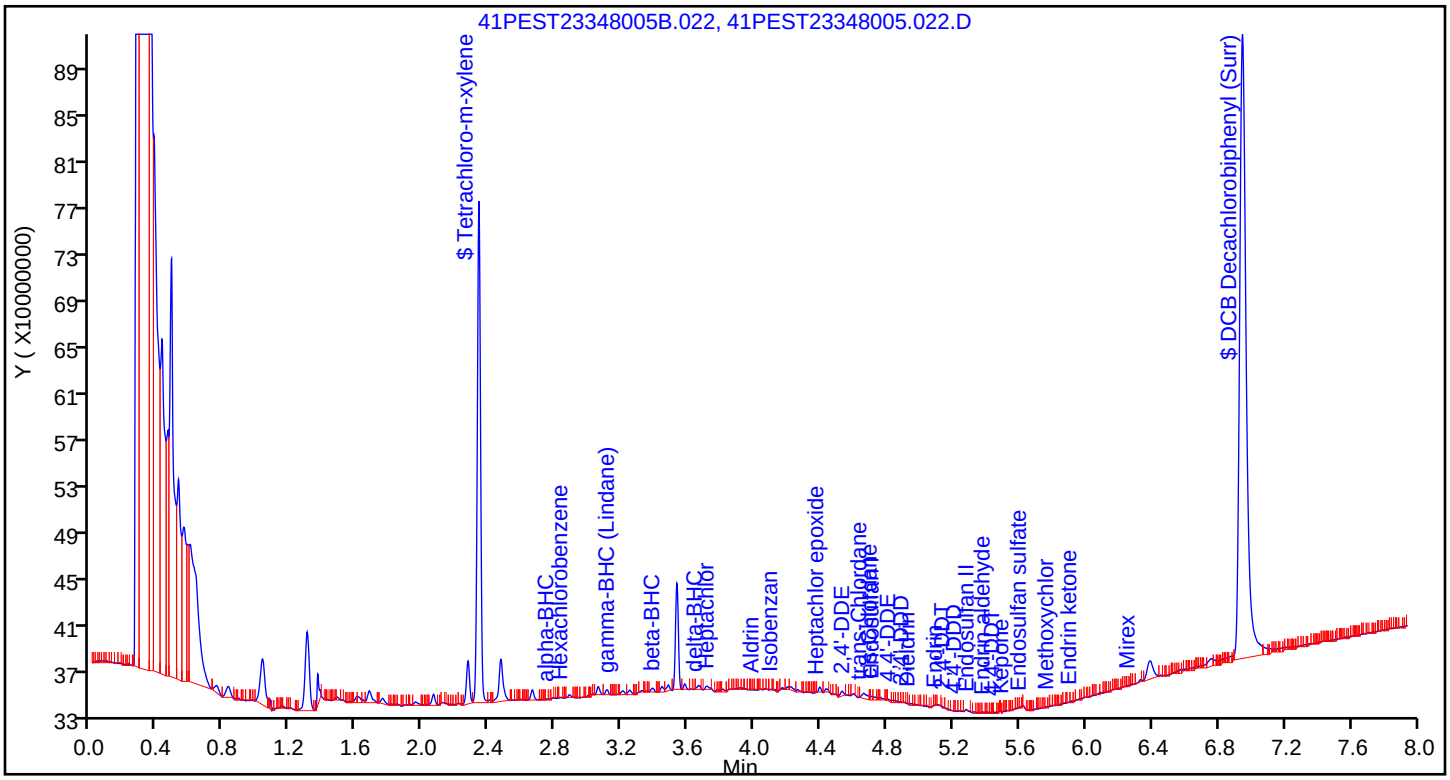
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.022.D				
Lims ID:	MB 410-455243/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	20-Dec-2023 07:33:00	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-455243/1-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:15:37	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:15:37		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.6	70.58
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.2	74.57

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.7	71.15
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.5	76.94

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-455243/1-A

Matrix: Water
Lab File ID: 41PEST23348005.022.D

Analysis Method: 8081B
Date Collected:

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250(mL)
Date Analyzed: 12/20/2023 07:33

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	77		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	71		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.022.D
Lims ID: MB 410-455243/1-A
Client ID:
Sample Type: MB
Inject. Date: 20-Dec-2023 07:33:00 ALS Bottle#: 0 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 410-455243/1-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:15:37 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:15:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	867162126H	15.0	10.6	
2	2.337	2.340	-0.003	423528290H	15.0	10.7	
						RPD = 0.80	
2 alpha-BHC							
1	2.357	2.363	-0.006	416656H		0.003265	
2	2.743	2.750	-0.007	598688H		0.004115	
						RPD = 23.04	
3 Hexachlorobenzene							
1	2.273	2.270	0.003	692055H		0.005805	
2	2.828	2.833	-0.005	685252H		0.003572	
						RPD = 47.62	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	79688H		0.000646	
2	3.108	3.088	0.020	4425714H		0.0299	
						RPD = 191.56	
5 beta-BHC							
1	2.977	2.982	-0.005	389246H		0.007342	
2	3.383	3.375	0.008	3354008H		0.0577	
						RPD = 154.88	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.250	3.268	-0.018	486031H		0.003460	
2	3.640	3.628	0.012	488516H		0.002689	
						RPD = 25.07	
8 Heptachlor							
1	3.095	3.090	0.005	2263643H		0.0206	
2	3.712	3.688	0.024	2662906H		0.0156	
						RPD = 27.57	
9 Aldrin							
1	3.398	3.400	-0.002	70774H		0.000567	
2	3.983	3.988	-0.005	169711H		0.000984	
						RPD = 53.80	
10 Isobenzan							
1	3.515	3.510	0.005	187244H		0.001923	
2	4.095	4.102	-0.007	645691H		0.004832	
						RPD = 86.14	
11 Heptachlor epoxide							
1	3.917	3.910	0.007	1036240H		0.008437	
2	4.373	4.375	-0.002	136288H		0.000879	
						RPD = 162.25	
12 2,4'-DDE							
1	4.107	4.120	-0.013	214480H		0.002414	
2	4.530	4.515	0.015	3679022H		0.0442	
						RPD = 179.30	
13 trans-Chlordane							
1	4.113	4.113	0.000	197530H		0.001538	
2	4.633	4.640	-0.007	1045316H		0.007466	
						RPD = 131.68	
14 cis-Chlordane							
1	4.198	4.197	0.001	903007H		0.007086	
2	4.695	4.680	0.015	2225484H		0.0161	
						RPD = 77.88	
15 Endosulfan I							
1	4.237	4.242	-0.005	502763H		0.004251	
2	4.707	4.710	-0.003	2490669H		0.0184	
						RPD = 125.00	
16 4,4'-DDE							
1	4.377	4.373	0.004	1397185H		0.009861	
2	4.807	4.807	0.000	1652355H		0.0139	
						RPD = 34.13	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.540	4.538	0.002	816075H		0.009837	
2	4.888	4.885	0.003	633117H		0.0135	
						RPD = 31.05	
18 Dieldrin							
1	4.485	4.480	0.005	1455697H		0.0105	
2	4.925	4.915	0.010	118938H		0.001005	
						RPD = 165.00	
19 Endrin							
1	4.730	4.733	-0.003	627664H		0.004972	
2	5.090	5.093	-0.003	726466H		0.008243	
						RPD = 49.51	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1	4.760	4.762	-0.002	282966H		0.003913	
2	5.135	5.123	0.012	434822H		0.0132	
						RPD = 108.52	
22 4,4'-DDD							
1	4.830	4.835	-0.005	96277H		0.000802	
2	5.207	5.208	-0.001	75984H		0.001376	
						RPD = 52.71	
23 Endosulfan II							
1	4.943	4.942	0.001	113192H		0.000913	
2	5.280	5.298	-0.018	1899493H		0.0307	
						RPD = 188.43	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	193358H		0.001904	
2	5.377	5.380	-0.003	678454H		0.0146	
						RPD = 153.85	
26 4,4'-DDT							
1	5.042	5.043	-0.001	5754787H		0.0546	
2	5.435	5.437	-0.002	201313H		0.005801	
						RPD = 161.58	
24 Kepone							
1	4.990	4.990	0.000	708881H		0.0104	
2	5.490	5.490	0.000	433519H		0.0197	
						RPD = 61.83	
27 Endosulfan sulfate							
1	5.275	5.267	0.008	1244782H		0.0106	
2	5.597	5.592	0.005	175620H		0.003571	
						RPD = 98.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.540	5.543	-0.003	1277572H		0.0237	
2	5.762	5.762	0.000	407141H		0.0222	
						RPD = 6.71	
29 Endrin ketone							
1	5.705	5.702	0.003	506454H		0.003719	
2	5.900	5.897	0.003	308457H		0.005203	
						RPD = 33.27	
30 Mirex							
1	5.787	5.793	-0.006	704790H		0.008525	
2	6.253	6.257	-0.004	164011H		0.004824	
						RPD = 55.46	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.452	6.450	0.002	1356064052H	15.0	11.2	
2	6.947	6.945	0.002	528584948H	15.0	11.5	
						RPD = 3.12	
S 32 Total DDTs							
1						0.0585	
2						0.0190	
						RPD = 101.96	
S 33 Endosulfan, Total							
1						0.005165	
2						0.0491	
						RPD = 161.92	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:15:54 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.022.D

Injection Date: 20-Dec-2023 07:33:00 Instrument ID: 9147

Lims ID: MB 410-455243/1-A

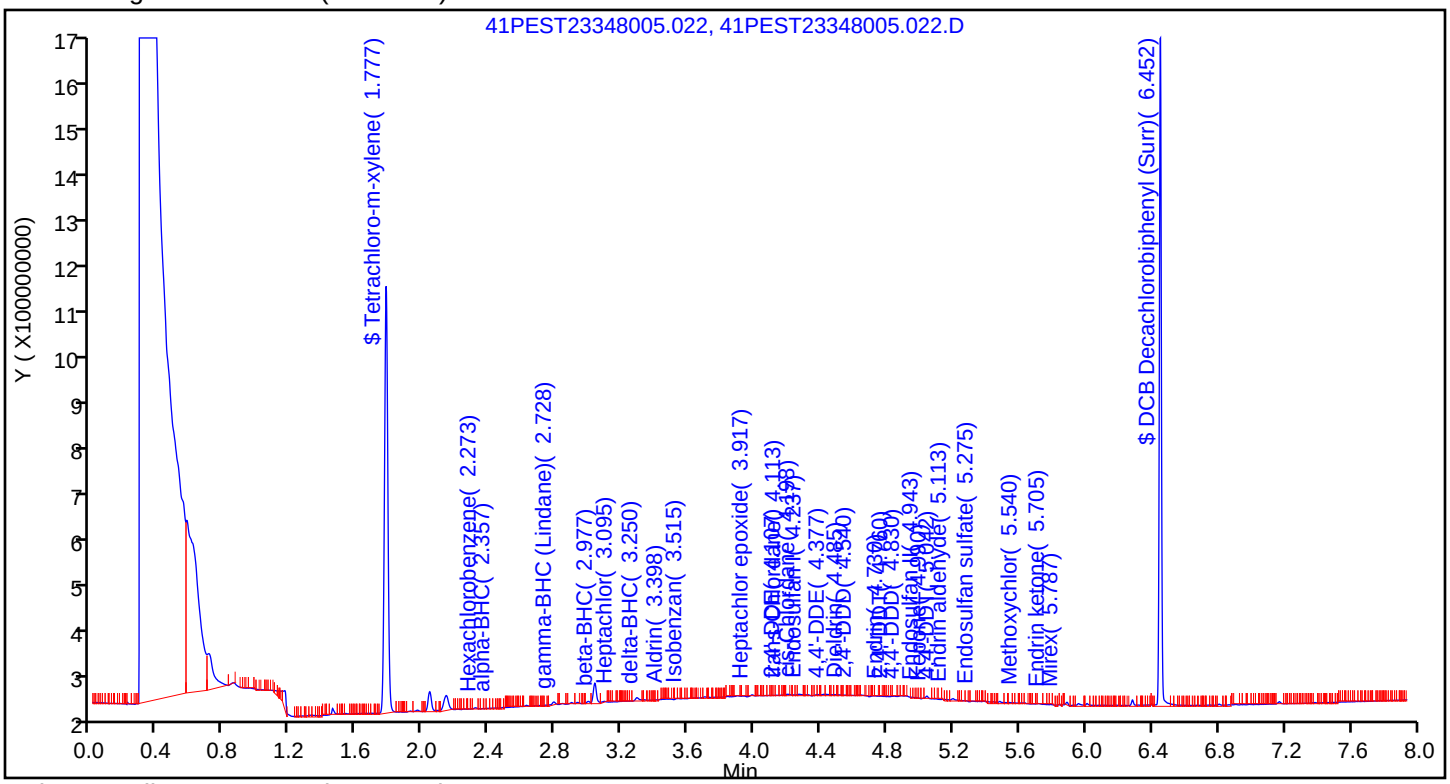
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 22

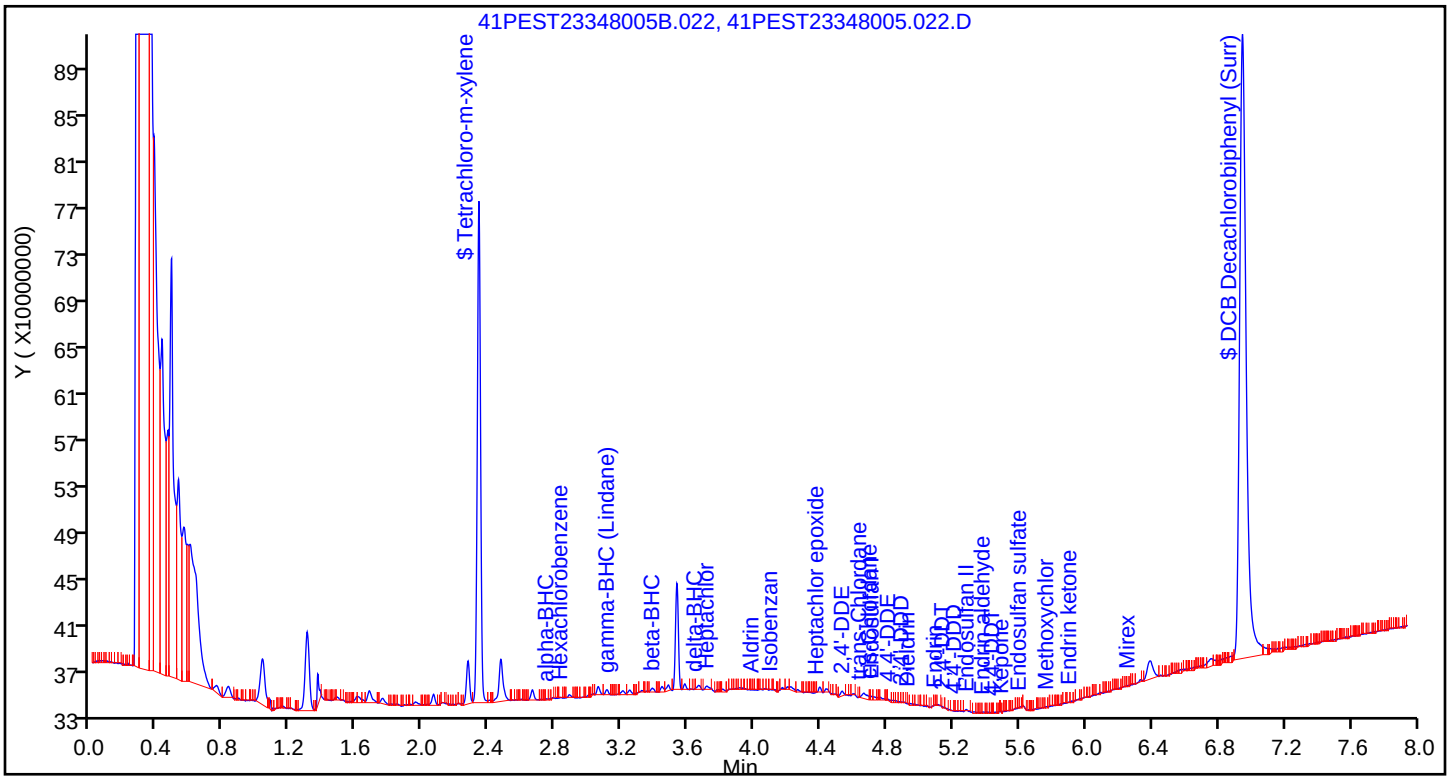
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.022.D				
Lims ID:	MB 410-455243/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	20-Dec-2023 07:33:00	ALS Bottle#:	0	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	MB 410-455243/1-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:15:37	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:15:37		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.6	70.58
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.2	74.57

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.7	71.15
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.5	76.94

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-456082/21

Matrix: Water
Lab File ID: 41PEST23348005.021.D

Analysis Method: 8081B
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 12/20/2023 06:18

Con. Extract Vol.:
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		1.0	0.10
319-84-6	alpha-BHC	ND		1.0	0.15
5103-71-9	alpha-Chlordane	ND		1.0	0.15
319-85-7	beta-BHC	ND		1.5	0.55
319-86-8	delta-BHC	ND		1.0	0.17
60-57-1	Dieldrin	ND		1.5	0.27
959-98-8	Endosulfan I	ND		1.0	0.22
33213-65-9	Endosulfan II	ND		2.0	0.75
1031-07-8	Endosulfan sulfate	ND		1.5	0.29
72-20-8	Endrin	ND		1.5	0.41
7421-93-4	Endrin aldehyde	ND		5.0	1.0
53494-70-5	Endrin ketone	ND		1.5	0.25
58-89-9	gamma-BHC (Lindane)	ND		1.0	0.10
5103-74-2	gamma-Chlordane	ND		2.0	0.35
76-44-8	Heptachlor	ND		1.0	0.10
1024-57-3	Heptachlor epoxide	ND		1.0	0.12
72-43-5	Methoxychlor	ND		5.5	1.5
8001-35-2	Toxaphene	ND		50	15
72-54-8	p,p'-DDD	ND		1.5	0.25
72-55-9	p,p'-DDE	ND		1.5	0.25
50-29-3	p,p'-DDT	ND		1.5	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	99		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	100		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.021.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 20-Dec-2023 06:18:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:08:49 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.775	1.778	-0.003	1641233200H	20.1	20.1	
2	2.335	2.340	-0.005	758633110H	20.1	19.1	
						RPD = 4.70	
2 alpha-BHC							
1	2.365	2.363	0.002	535508H		0.004196	
2	2.752	2.750	0.002	215442H		0.001481	
						RPD = 95.66	
3 Hexachlorobenzene							
1	2.273	2.270	0.003	409874H		0.003438	
2	2.840	2.833	0.007	428859H		0.002236	
						RPD = 42.38	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1274960H		0.0103	
2	3.077	3.088	-0.011	1447805H		0.009794	
						RPD = 5.34	
5 beta-BHC							
1	2.977	2.982	-0.005	1500340H		0.0283	
2	3.377	3.375	0.002	369839H		0.006367	
						RPD = 126.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	2.900	2.907	-0.007	3085405H		0.9807	
1	3.545	3.545	0.000	2371747H		0.8175	
1	4.115	4.115	0.000	343540H		0.0250	
1	4.203	4.198	0.005	582844H		0.0532	
1	4.953	4.965	-0.012	104304H		0.0230	
		Average of Peak Amounts =				0.3799	
2	3.477	3.482	-0.005	466912H		0.0984	
2	4.007	4.003	0.004	345235H		0.0726	
2	4.622	4.640	-0.018	949025H		0.0610	
2	4.695	4.678	0.017	706104H		0.0704	
2	5.350	5.347	0.003	273969H		0.1780	
		Average of Peak Amounts =				0.0961	
						RPD = 119.24	
7 delta-BHC							
1	3.272	3.268	0.004	1686420H		0.0120	
2	3.632	3.628	0.004	404565H		0.002227	
						RPD = 137.41	
8 Heptachlor							
1	3.083	3.090	-0.007	1761886H		0.0160	
2	3.690	3.688	0.002	1038237H		0.006083	
						RPD = 89.95	
9 Aldrin							
1	3.405	3.400	0.005	1543758H		0.0124	
2	3.985	3.988	-0.003	702441H		0.004074	
						RPD = 100.88	
10 Isobenzan							
1	3.483	3.510	-0.027	1681649H		0.0173	
2	4.105	4.102	0.003	711968H		0.005328	
						RPD = 105.68	
11 Heptachlor epoxide							
1	3.912	3.910	0.002	1492893H		0.0122	
2	4.378	4.375	0.003	811509H		0.005235	
						RPD = 79.59	
12 2,4'-DDE							
1	4.122	4.120	0.002	342835H		0.003858	
2	4.513	4.515	-0.002	740863H		0.008907	
						RPD = 79.10	
13 trans-Chlordane							
1	4.115	4.113	0.002	343540H		0.002675	
2	4.622	4.640	-0.018	949025H		0.006778	
						RPD = 86.82	
14 cis-Chlordane							
1	4.203	4.197	0.006	582844H		0.004574	
2	4.695	4.680	0.015	706104H		0.005116	
						RPD = 11.19	
15 Endosulfan I							
1	4.243	4.242	0.001	486220H		0.004111	
2	4.705	4.710	-0.005	632445H		0.004678	
						RPD = 12.89	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.372	4.373	-0.001	3939183H		0.0278	
2	4.808	4.807	0.001	359746H		0.003030	
						RPD = 160.68	
17 2,4'-DDD							
1	4.532	4.538	-0.006	3170341H		0.0382	
2	4.885	4.885	0.000	426830H		0.009069	
						RPD = 123.28	
18 Dieldrin							
1	4.478	4.480	-0.002	3545663H		0.0255	
2	4.912	4.915	-0.003	307018H		0.002594	
						RPD = 163.10	
19 Endrin							
1	4.733	4.733	0.000	1889784H		0.0150	
2	5.093	5.093	0.000	371154H		0.004212	
						RPD = 112.18	
21 Toxaphene							
1	4.978	4.957	0.021	527872H		0.3238	
1	5.193	5.175	0.018	556392H		0.2461	
1	5.245	5.227	0.018	478936H		0.2260	
1	5.578	5.557	0.021	1264828H		0.4546	
1	5.798	5.800	-0.002	1073270H		25.6	
		Average of Peak Amounts =				5.36	
2	5.093	5.122	-0.029	371154H		0.5894	
2	5.368	5.347	0.021	373705H		0.5633	
2	5.530	5.528	0.002	438609H		0.4818	
2	5.605	5.583	0.022	1379933H		27.5	
2	5.943	5.917	0.026	403702H		31.9	
		Average of Peak Amounts =				12.2	
						RPD = 77.97	
20 2,4'-DDT							
1	4.760	4.762	-0.002	546379H		0.007555	
2	5.113	5.123	-0.010	187759H		0.005698	
						RPD = 28.02	
22 4,4'-DDD							
1	4.830	4.835	-0.005	267180H		0.002225	
2	5.208	5.208	0.000	547084H		0.0099	
						RPD = 126.62	
23 Endosulfan II							
1	4.953	4.942	0.011	104304H		0.000842	
2	5.298	5.298	0.000	405451H		0.006545	
						RPD = 154.42	
25 Endrin aldehyde							
1	5.112	5.117	-0.005	357618H		0.003521	
2	5.378	5.380	-0.002	377177H		0.008115	
						RPD = 78.95	
26 4,4'-DDT							
1	5.040	5.043	-0.003	2509527H		0.0238	
2	5.437	5.437	0.000	186020H		0.005360	
						RPD = 126.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Kepone							
1	4.978	4.990	-0.012	527872H		0.007750	
2	5.488	5.490	-0.002	145038H		0.006598	
						RPD = 16.06	
27 Endosulfan sulfate							
1	5.260	5.267	-0.007	351792H		0.002982	
2	5.582	5.592	-0.010	324751H		0.006604	
						RPD = 75.55	
28 Methoxychlor							
1	5.535	5.543	-0.008	633975H		0.0118	
2	5.753	5.762	-0.009	128973H		0.007023	
						RPD = 50.48	
29 Endrin ketone							
1	5.707	5.702	0.005	3359345H		0.0247	
2	5.898	5.897	0.001	191938H		0.003238	
						RPD = 153.59	
30 Mirex							
1	5.788	5.793	-0.005	859318H		0.0104	
2	6.255	6.257	-0.002	1689983H		0.0497	
						RPD = 130.82	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	2420457829H	20.2	20.0	
2	6.942	6.945	-0.003	963964041H	20.2	21.1	
						RPD = 5.27	
S 32 Total DDTs							
1						0.0314	
2						0.0111	
						RPD = 95.73	
S 33 Endosulfan, Total							
1						0.004953	
2						0.0112	
						RPD = 77.52	

Reagents:

GCS_IBLK_00006 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:08:55 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.021.D

Injection Date: 20-Dec-2023 06:18:00 Instrument ID: 9147

Lims ID: piblk

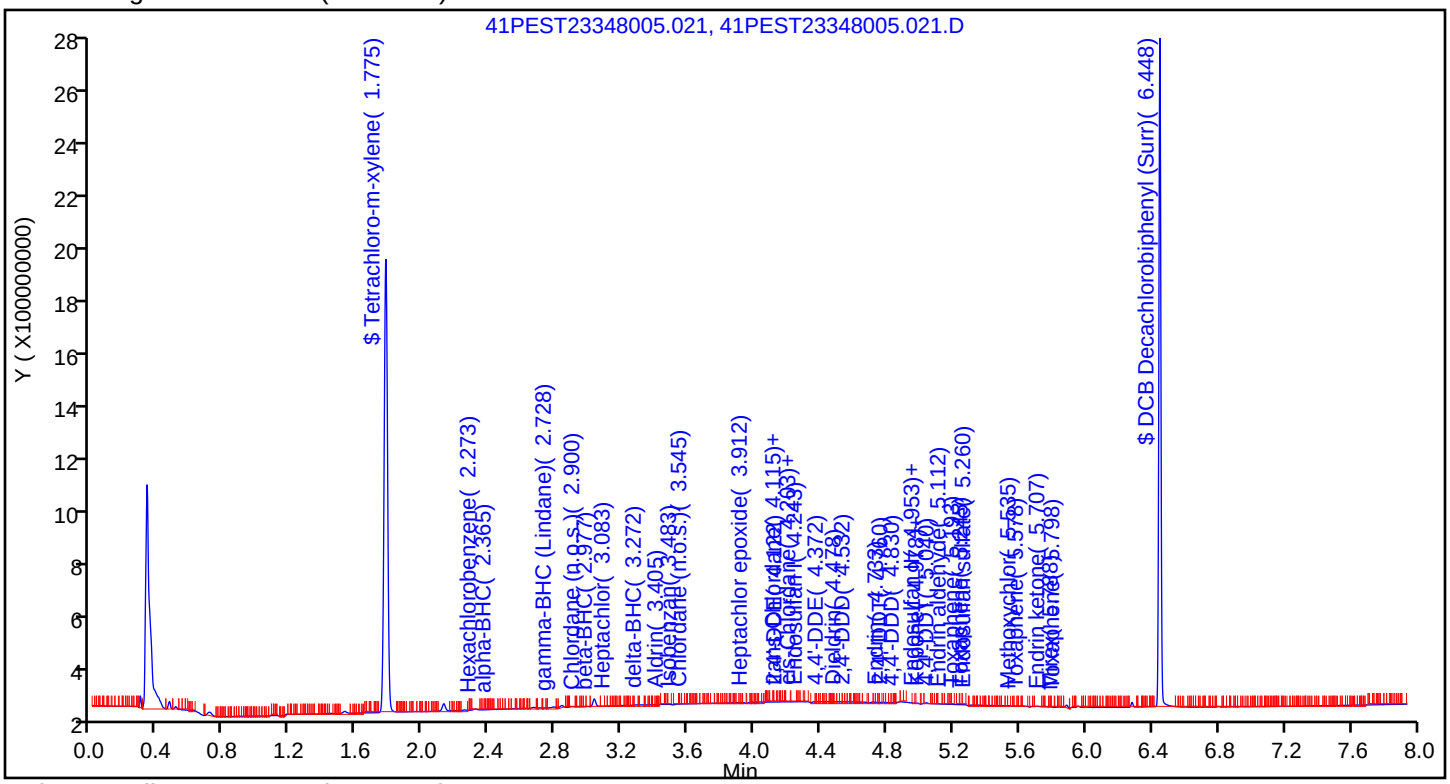
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 21

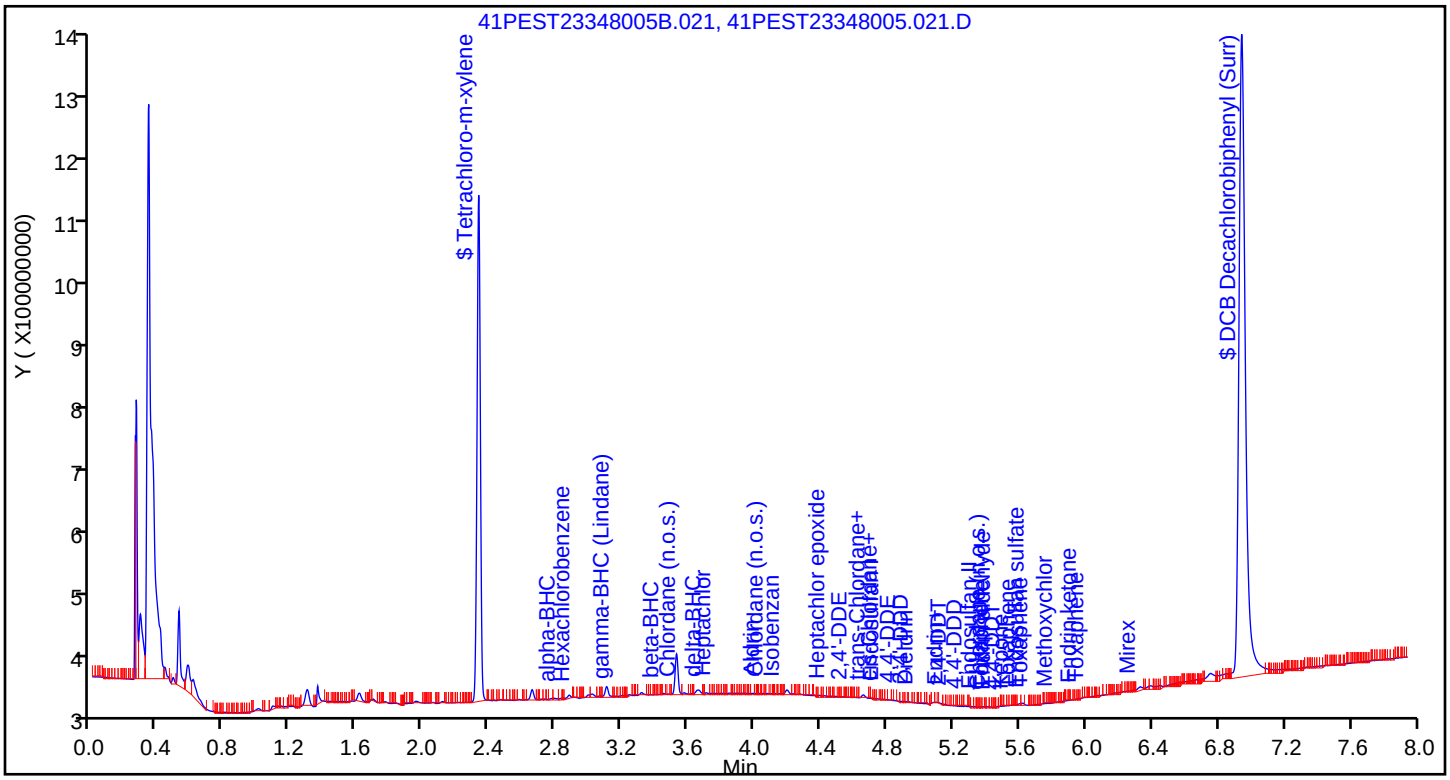
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.021.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	20-Dec-2023 06:18:00	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:08:49	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.1	20.1	99.69
$ 31 DCB Decachlorobiphenyl (Surr)	20.2	20.0	99.04

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.1	19.1	95.11
$ 31 DCB Decachlorobiphenyl (Surr)	20.2	21.1	104.39

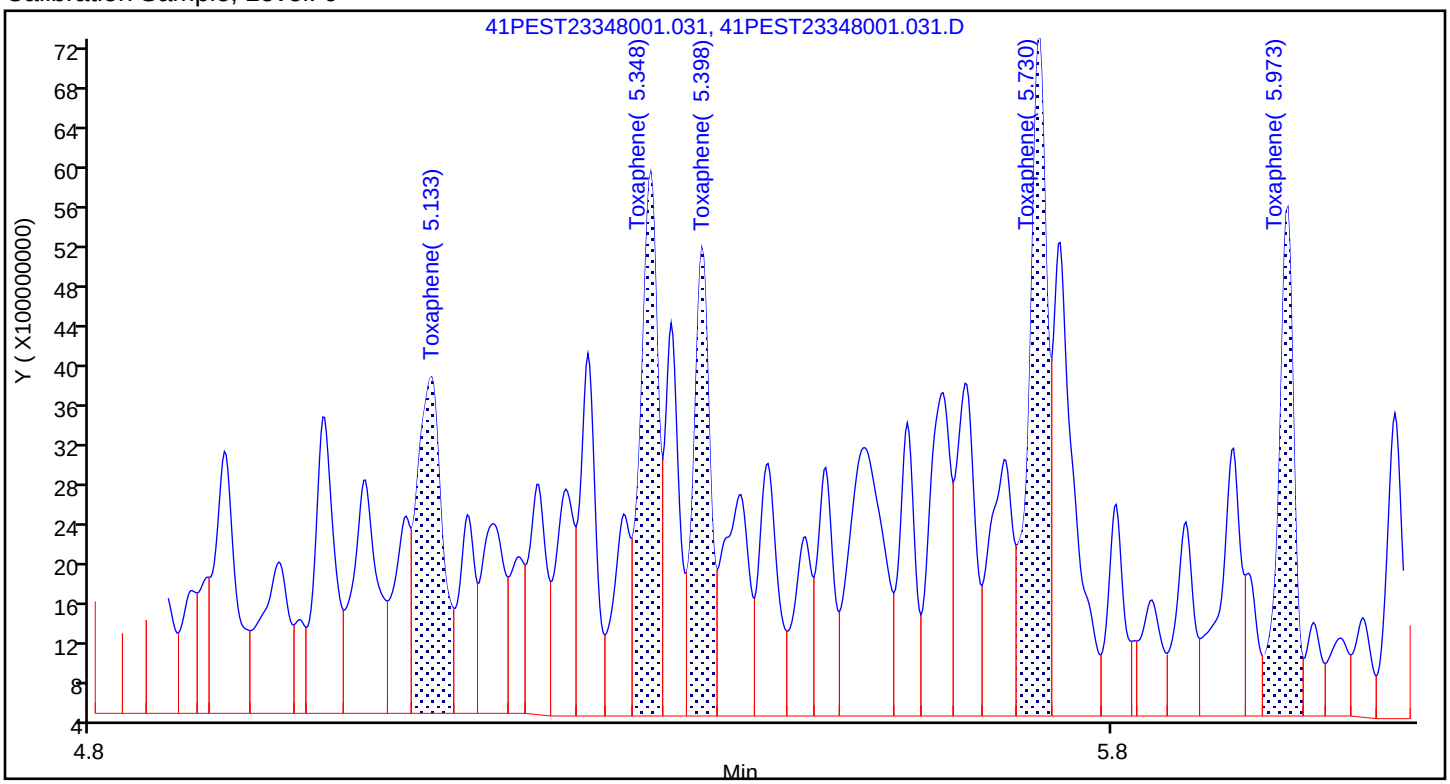
Report Date: 20-Dec-2023 12:08:55 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

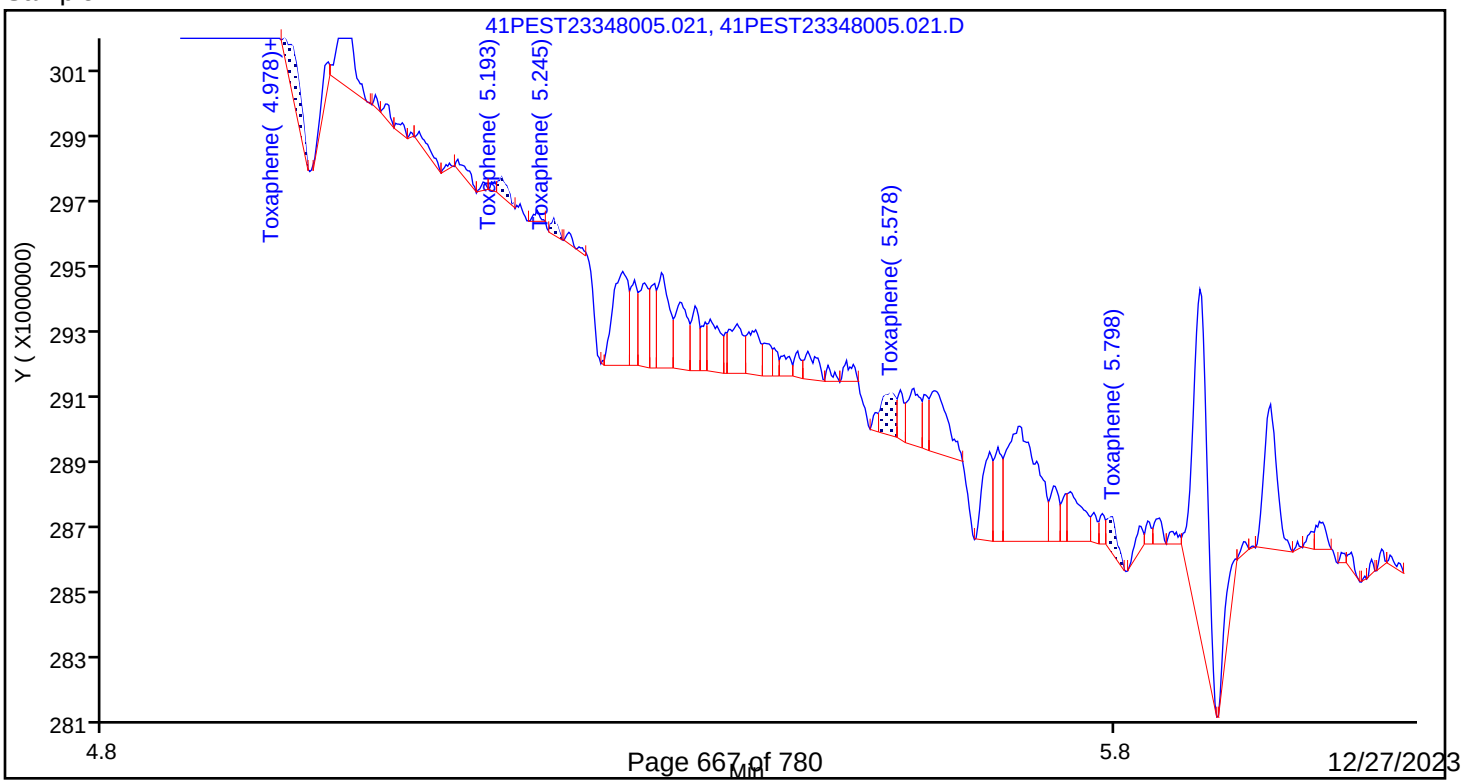
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.021.D				
Injection Date:	20-Dec-2023 06:18:00	Instrument ID:	9147		
Lims ID:	piblk				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-456082/21

Matrix: Water
Lab File ID: 41PEST23348005.021.D

Analysis Method: 8081B
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 12/20/2023 06:18

Con. Extract Vol.:
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	*Aldrin*	*ND*		*1.0*	*0.10*
319-84-6	*alpha-BHC*	*ND*		*1.0*	*0.15*
5103-71-9	*alpha-Chlordane*	*ND*		*1.0*	*0.15*
319-85-7	*beta-BHC*	*ND*		*1.5*	*0.55*
319-86-8	*delta-BHC*	*ND*		*1.0*	*0.17*
60-57-1	*Dieldrin*	*ND*		*1.5*	*0.27*
959-98-8	*Endosulfan I*	*ND*		*1.0*	*0.22*
33213-65-9	*Endosulfan II*	*ND*		*2.0*	*0.75*
1031-07-8	*Endosulfan sulfate*	*ND*		*1.5*	*0.29*
72-20-8	*Endrin*	*ND*		*1.5*	*0.41*
7421-93-4	*Endrin aldehyde*	*ND*		*5.0*	*1.0*
53494-70-5	*Endrin ketone*	*ND*		*1.5*	*0.25*
58-89-9	*gamma-BHC (Lindane)*	*ND*		*1.0*	*0.10*
5103-74-2	*gamma-Chlordane*	*ND*		*2.0*	*0.35*
76-44-8	*Heptachlor*	*ND*		*1.0*	*0.10*
1024-57-3	*Heptachlor epoxide*	*ND*		*1.0*	*0.12*
72-43-5	*Methoxychlor*	*ND*		*5.5*	*1.5*
8001-35-2	*Toxaphene*	*ND*		*50*	*15*
72-54-8	*p,p'-DDD*	*ND*		*1.5*	*0.25*
72-55-9	*p,p'-DDE*	*ND*		*1.5*	*0.25*
50-29-3	*p,p'-DDT*	*ND*		*1.5*	*0.26*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	104		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	95		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.021.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 20-Dec-2023 06:18:00 ALS Bottle#: 0 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:08:49 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.775	1.778	-0.003	1641233200H	20.1	20.1	
2	2.335	2.340	-0.005	758633110H	20.1	19.1	
						RPD = 4.70	
2 alpha-BHC							
1	2.365	2.363	0.002	535508H		0.004196	
2	2.752	2.750	0.002	215442H		0.001481	
						RPD = 95.66	
3 Hexachlorobenzene							
1	2.273	2.270	0.003	409874H		0.003438	
2	2.840	2.833	0.007	428859H		0.002236	
						RPD = 42.38	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	1274960H		0.0103	
2	3.077	3.088	-0.011	1447805H		0.009794	
						RPD = 5.34	
5 beta-BHC							
1	2.977	2.982	-0.005	1500340H		0.0283	
2	3.377	3.375	0.002	369839H		0.006367	
						RPD = 126.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	2.900	2.907	-0.007	3085405H		0.9807	
1	3.545	3.545	0.000	2371747H		0.8175	
1	4.115	4.115	0.000	343540H		0.0250	
1	4.203	4.198	0.005	582844H		0.0532	
1	4.953	4.965	-0.012	104304H		0.0230	
		Average of Peak Amounts =				0.3799	
2	3.477	3.482	-0.005	466912H		0.0984	
2	4.007	4.003	0.004	345235H		0.0726	
2	4.622	4.640	-0.018	949025H		0.0610	
2	4.695	4.678	0.017	706104H		0.0704	
2	5.350	5.347	0.003	273969H		0.1780	
		Average of Peak Amounts =				0.0961	
						RPD = 119.24	
7 delta-BHC							
1	3.272	3.268	0.004	1686420H		0.0120	
2	3.632	3.628	0.004	404565H		0.002227	
						RPD = 137.41	
8 Heptachlor							
1	3.083	3.090	-0.007	1761886H		0.0160	
2	3.690	3.688	0.002	1038237H		0.006083	
						RPD = 89.95	
9 Aldrin							
1	3.405	3.400	0.005	1543758H		0.0124	
2	3.985	3.988	-0.003	702441H		0.004074	
						RPD = 100.88	
10 Isobenzan							
1	3.483	3.510	-0.027	1681649H		0.0173	
2	4.105	4.102	0.003	711968H		0.005328	
						RPD = 105.68	
11 Heptachlor epoxide							
1	3.912	3.910	0.002	1492893H		0.0122	
2	4.378	4.375	0.003	811509H		0.005235	
						RPD = 79.59	
12 2,4'-DDE							
1	4.122	4.120	0.002	342835H		0.003858	
2	4.513	4.515	-0.002	740863H		0.008907	
						RPD = 79.10	
13 trans-Chlordane							
1	4.115	4.113	0.002	343540H		0.002675	
2	4.622	4.640	-0.018	949025H		0.006778	
						RPD = 86.82	
14 cis-Chlordane							
1	4.203	4.197	0.006	582844H		0.004574	
2	4.695	4.680	0.015	706104H		0.005116	
						RPD = 11.19	
15 Endosulfan I							
1	4.243	4.242	0.001	486220H		0.004111	
2	4.705	4.710	-0.005	632445H		0.004678	
						RPD = 12.89	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.372	4.373	-0.001	3939183H		0.0278	
2	4.808	4.807	0.001	359746H		0.003030	
						RPD = 160.68	
17 2,4'-DDD							
1	4.532	4.538	-0.006	3170341H		0.0382	
2	4.885	4.885	0.000	426830H		0.009069	
						RPD = 123.28	
18 Dieldrin							
1	4.478	4.480	-0.002	3545663H		0.0255	
2	4.912	4.915	-0.003	307018H		0.002594	
						RPD = 163.10	
19 Endrin							
1	4.733	4.733	0.000	1889784H		0.0150	
2	5.093	5.093	0.000	371154H		0.004212	
						RPD = 112.18	
21 Toxaphene							
1	4.978	4.957	0.021	527872H		0.3238	
1	5.193	5.175	0.018	556392H		0.2461	
1	5.245	5.227	0.018	478936H		0.2260	
1	5.578	5.557	0.021	1264828H		0.4546	
1	5.798	5.800	-0.002	1073270H		25.6	
		Average of Peak Amounts =				5.36	
2	5.093	5.122	-0.029	371154H		0.5894	
2	5.368	5.347	0.021	373705H		0.5633	
2	5.530	5.528	0.002	438609H		0.4818	
2	5.605	5.583	0.022	1379933H		27.5	
2	5.943	5.917	0.026	403702H		31.9	
		Average of Peak Amounts =				12.2	
						RPD = 77.97	
20 2,4'-DDT							
1	4.760	4.762	-0.002	546379H		0.007555	
2	5.113	5.123	-0.010	187759H		0.005698	
						RPD = 28.02	
22 4,4'-DDD							
1	4.830	4.835	-0.005	267180H		0.002225	
2	5.208	5.208	0.000	547084H		0.0099	
						RPD = 126.62	
23 Endosulfan II							
1	4.953	4.942	0.011	104304H		0.000842	
2	5.298	5.298	0.000	405451H		0.006545	
						RPD = 154.42	
25 Endrin aldehyde							
1	5.112	5.117	-0.005	357618H		0.003521	
2	5.378	5.380	-0.002	377177H		0.008115	
						RPD = 78.95	
26 4,4'-DDT							
1	5.040	5.043	-0.003	2509527H		0.0238	
2	5.437	5.437	0.000	186020H		0.005360	
						RPD = 126.49	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Kepone							
1	4.978	4.990	-0.012	527872H		0.007750	
2	5.488	5.490	-0.002	145038H		0.006598	
						RPD = 16.06	
27 Endosulfan sulfate							
1	5.260	5.267	-0.007	351792H		0.002982	
2	5.582	5.592	-0.010	324751H		0.006604	
						RPD = 75.55	
28 Methoxychlor							
1	5.535	5.543	-0.008	633975H		0.0118	
2	5.753	5.762	-0.009	128973H		0.007023	
						RPD = 50.48	
29 Endrin ketone							
1	5.707	5.702	0.005	3359345H		0.0247	
2	5.898	5.897	0.001	191938H		0.003238	
						RPD = 153.59	
30 Mirex							
1	5.788	5.793	-0.005	859318H		0.0104	
2	6.255	6.257	-0.002	1689983H		0.0497	
						RPD = 130.82	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.448	6.450	-0.002	2420457829H	20.2	20.0	
2	6.942	6.945	-0.003	963964041H	20.2	21.1	
						RPD = 5.27	
S 32 Total DDTs							
1						0.0314	
2						0.0111	
						RPD = 95.73	
S 33 Endosulfan, Total							
1						0.004953	
2						0.0112	
						RPD = 77.52	

Reagents:

GCS_IBLK_00006 Amount Added: 1.00 Units: mL

Report Date: 20-Dec-2023 12:08:56 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.021.D

Injection Date: 20-Dec-2023 06:18:00 Instrument ID: 9147

Lims ID: piblk

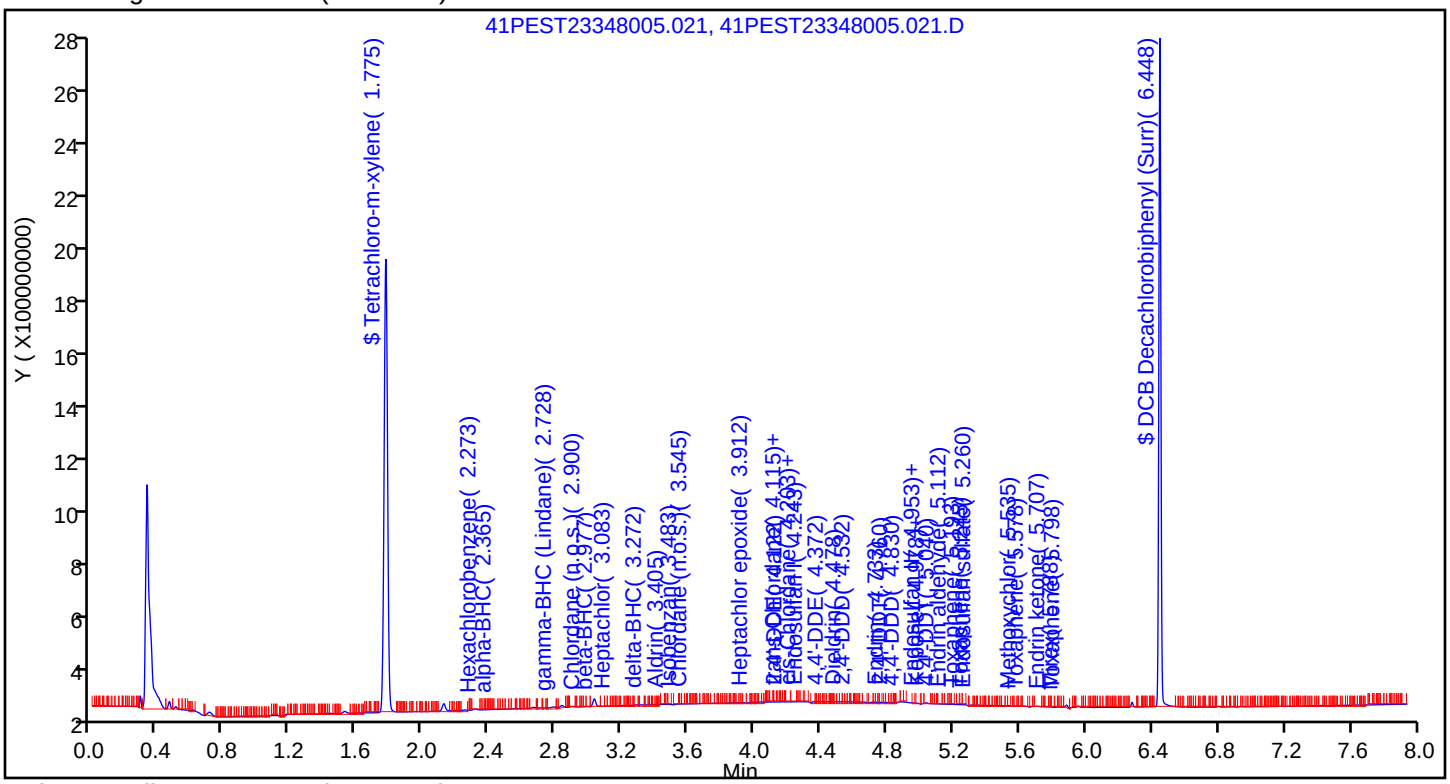
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 21

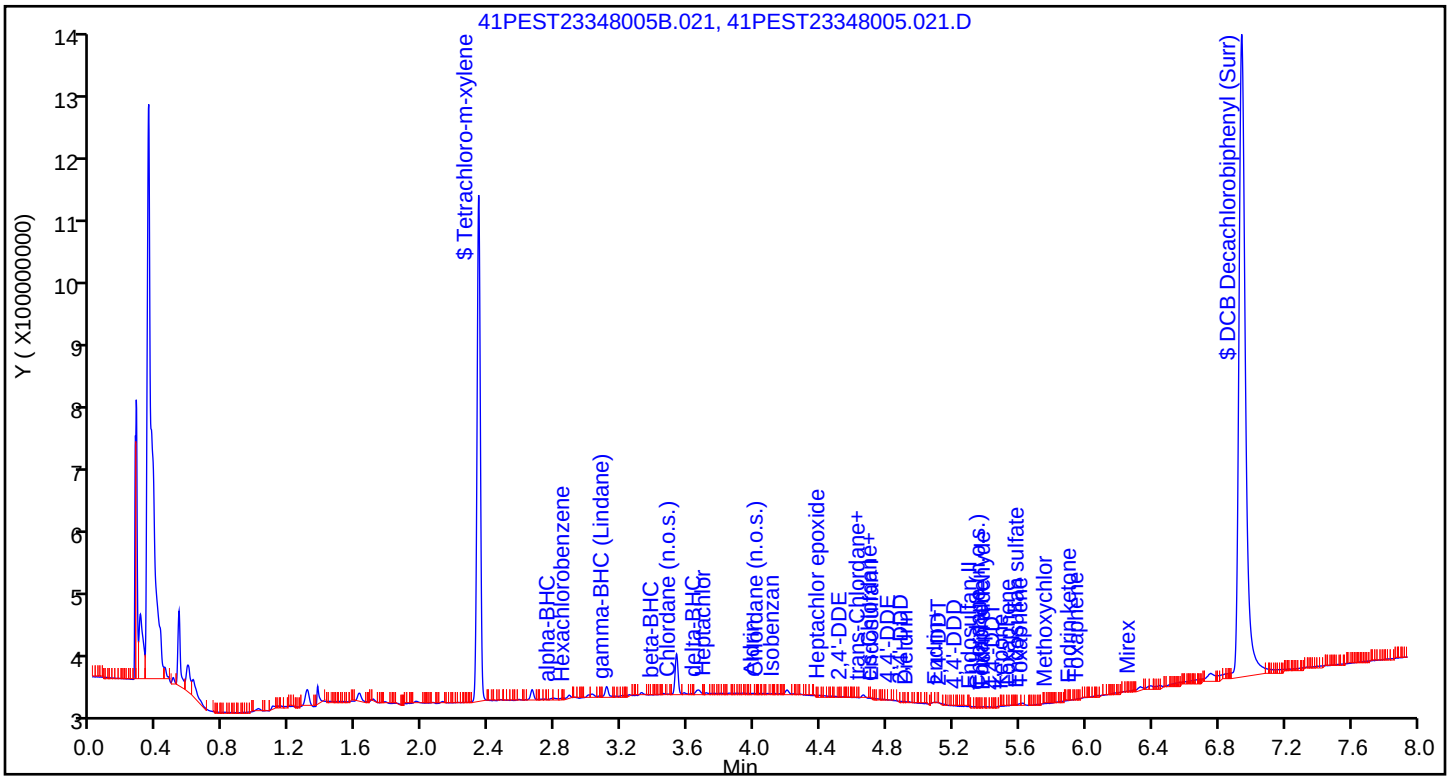
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.021.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	20-Dec-2023 06:18:00	ALS Bottle#:	0	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:08:49	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.1	20.1	99.69
$ 31 DCB Decachlorobiphenyl (Surr)	20.2	20.0	99.04

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.1	19.1	95.11
$ 31 DCB Decachlorobiphenyl (Surr)	20.2	21.1	104.39

Report Date: 20-Dec-2023 12:08:56 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.021.D

Injection Date: 20-Dec-2023 06:18:00 Instrument ID: 9147

Lims ID: piblk

Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 21

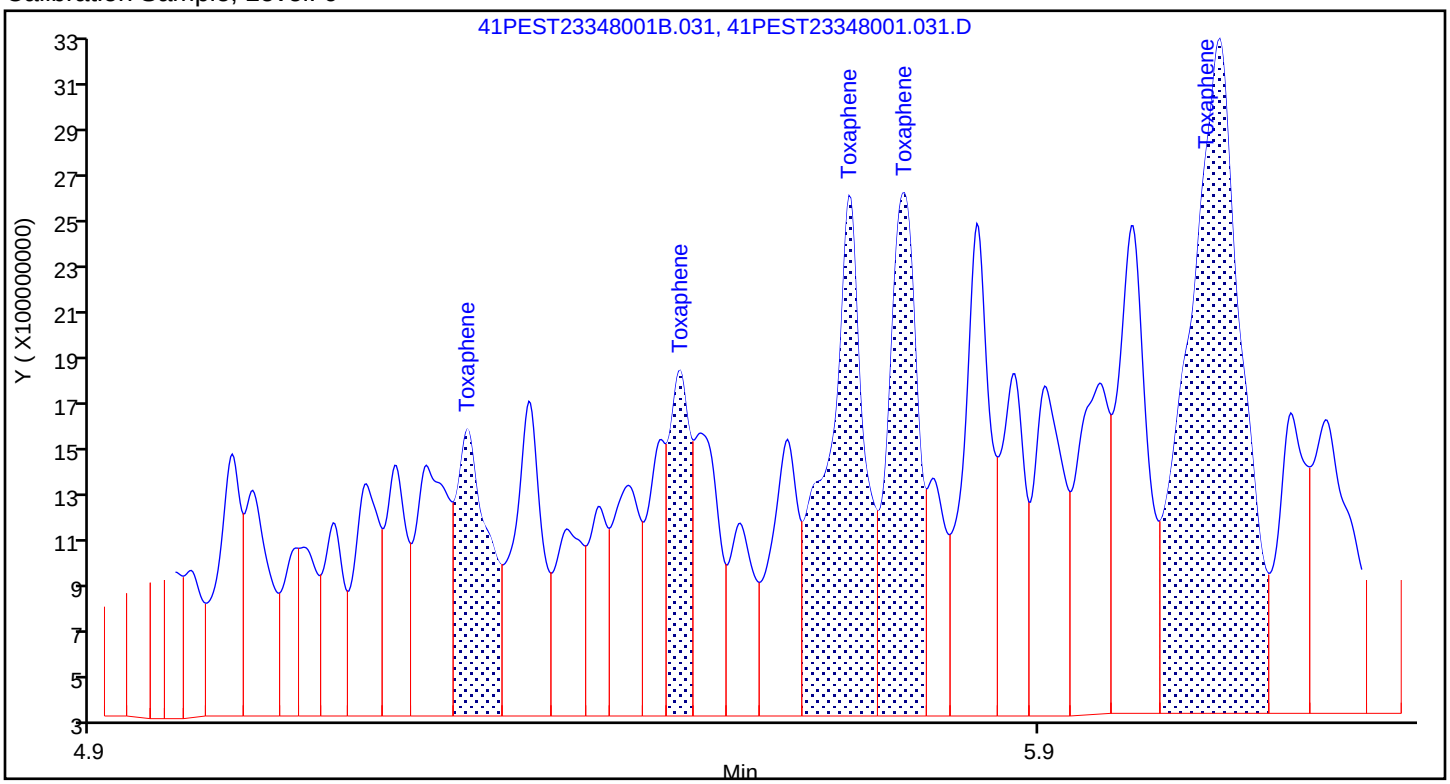
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

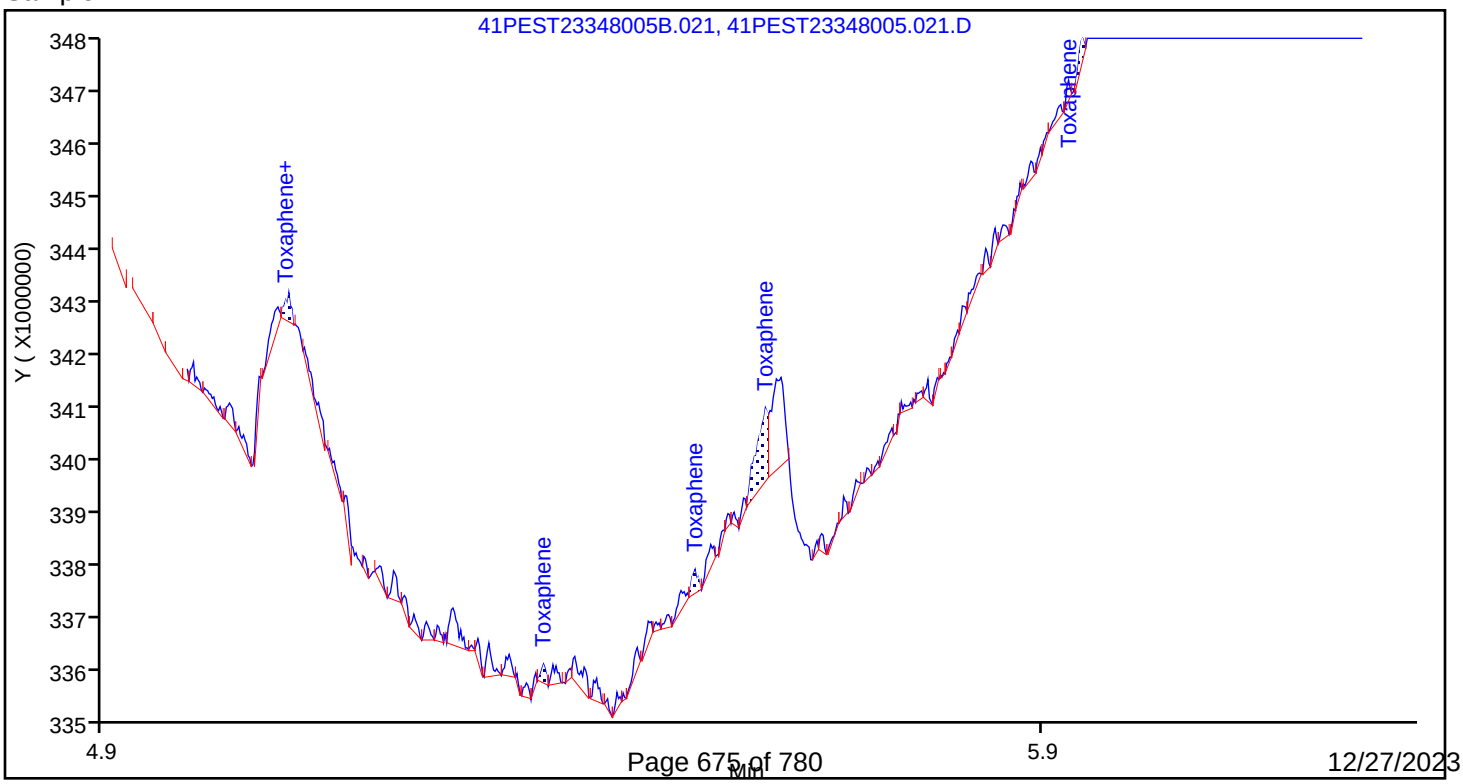
Column: Agilent DB-CLP2 (0.32 mm) Detector 2BECDB

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-456082/43

Matrix: Water
Lab File ID: 41PEST23348005.043.D

Analysis Method: 8081B
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 12/20/2023 12:36

Con. Extract Vol.:
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	ND		1.0	0.10
319-84-6	alpha-BHC	ND		1.0	0.15
5103-71-9	alpha-Chlordane	ND		1.0	0.15
319-85-7	beta-BHC	ND		1.5	0.55
319-86-8	delta-BHC	ND		1.0	0.17
60-57-1	Dieldrin	ND		1.5	0.27
959-98-8	Endosulfan I	ND		1.0	0.22
33213-65-9	Endosulfan II	ND		2.0	0.75
1031-07-8	Endosulfan sulfate	ND		1.5	0.29
72-20-8	Endrin	ND		1.5	0.41
7421-93-4	Endrin aldehyde	ND		5.0	1.0
53494-70-5	Endrin ketone	ND		1.5	0.25
58-89-9	gamma-BHC (Lindane)	ND		1.0	0.10
5103-74-2	gamma-Chlordane	ND		2.0	0.35
76-44-8	Heptachlor	ND		1.0	0.10
1024-57-3	Heptachlor epoxide	ND		1.0	0.12
72-43-5	Methoxychlor	ND		5.5	1.5
8001-35-2	Toxaphene	ND		50	15
72-54-8	p,p'-DDD	ND		1.5	0.25
72-55-9	p,p'-DDE	ND		1.5	0.25
50-29-3	p,p'-DDT	ND		1.5	0.26

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	94		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	99		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.043.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 20-Dec-2023 12:36:00 ALS Bottle#: 0 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 21-Dec-2023 02:15:52 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1667

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.773	1.778	-0.005	1634611049H	20.1	20.0	
2	2.335	2.340	-0.005	734529758H	20.1	18.5	
						RPD = 7.53	
2 alpha-BHC							
1	2.368	2.363	0.005	3232253H		0.0253	
2	2.748	2.750	-0.002	182551H		0.001255	
						RPD = 181.12	
3 Hexachlorobenzene							
1	2.263	2.270	-0.007	3650110H		0.0306	
2	2.830	2.833	-0.003	528516H		0.002755	
						RPD = 166.98	
4 gamma-BHC (Lindane)							
1	2.727	2.732	-0.005	4842993H		0.0392	
2	3.082	3.088	-0.006	1193568H		0.008074	
						RPD = 131.74	
5 beta-BHC							
1	2.978	2.982	-0.004	4541179H		0.0857	
2	3.372	3.375	-0.003	258952H		0.004458	
						RPD = 180.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	2.910	2.907	0.003	4522882H		1.44	
1	3.548	3.545	0.003	5439587H		1.87	
1	4.120	4.115	0.005	4487598H		0.3267	
1	4.195	4.198	-0.003	3781391H		0.3454	
1	4.965	4.965	0.000	130656H		0.0288	
		Average of Peak Amounts =				0.8027	
2	3.478	3.482	-0.004	1022813H		0.2156	
2	4.003	4.003	0.000	228507H		0.0481	
2	4.647	4.640	0.007	1502271H		0.0966	
2	4.688	4.678	0.010	353927H		0.0353	
2	5.332	5.347	-0.015	572705H		0.3721	
		Average of Peak Amounts =				0.1535	
						RPD = 135.78	
7 delta-BHC							
1	3.273	3.268	0.005	4828833H		0.0344	
2	3.628	3.628	0.000	319146H		0.001757	
						RPD = 180.55	
8 Heptachlor							
1	3.090	3.090	0.000	5080975H		0.0462	
2	3.692	3.688	0.004	244290H		0.001431	
						RPD = 187.99	
9 Aldrin							
1	3.403	3.400	0.003	5104490H		0.0409	
2	3.987	3.988	-0.001	283399H		0.001644	
						RPD = 184.54	
10 Isobenzan							
1	3.498	3.510	-0.012	5044027H		0.0518	
2	4.105	4.102	0.003	192649H		0.001442	
						RPD = 189.17	
11 Heptachlor epoxide							
1	3.912	3.910	0.002	5290725H		0.0431	
2	4.377	4.375	0.002	93813H		0.000605	
						RPD = 194.46	
12 2,4'-DDE							
1	4.120	4.120	0.000	4487598H		0.0505	
2	4.513	4.515	-0.002	797499H		0.009587	
						RPD = 136.18	
13 trans-Chlordane							
1	4.098	4.113	-0.015	4357253H		0.0339	
2	4.647	4.640	0.007	1502271H		0.0107	
						RPD = 103.89	
14 cis-Chlordane							
1	4.195	4.197	-0.002	3781391H		0.0297	
2	4.688	4.680	0.008	353927H		0.002564	
						RPD = 168.18	
15 Endosulfan I							
1	4.240	4.242	-0.002	3366242H		0.0285	
2	4.705	4.710	-0.005	808716H		0.005981	
						RPD = 130.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.368	4.373	-0.005	1928829H		0.0136	
2	4.800	4.807	-0.007	521629H		0.004394	
						RPD = 102.39	
17 2,4'-DDD							
1	4.545	4.538	0.007	577773H		0.006964	
2	4.882	4.885	-0.003	422220H		0.008971	
						RPD = 25.19	
18 Dieldrin							
1	4.488	4.480	0.008	123362H		0.000888	
2	4.913	4.915	-0.002	237463H		0.002006	
						RPD = 77.27	
19 Endrin							
1	4.733	4.733	0.000	455906H		0.003612	
2	5.093	5.093	0.000	1296840H		0.0147	
						RPD = 121.18	
21 Toxaphene							
1	4.973	4.957	0.016	205424H		0.1260	
1	5.173	5.175	-0.002	369516H		0.1634	
1	5.208	5.227	-0.019	491060H		0.2317	
1	5.562	5.557	0.005	1588797H		0.5711	
1	5.822	5.800	0.022	483185H		25.3	
		Average of Peak Amounts =				5.27	
2	5.093	5.122	-0.029	1296840H		2.06	
2	5.363	5.347	0.016	784168H		1.18	
2	5.535	5.528	0.007	417445H		0.4585	
2	5.558	5.583	-0.025	490442H		26.6	
2	5.923	5.917	0.006	511758H		32.0	
		Average of Peak Amounts =				12.5	
						RPD = 81.03	
20 2,4'-DDT							
1	4.762	4.762	0.000	898291H		0.0124	
2	5.110	5.123	-0.013	610728H		0.0185	
						RPD = 39.50	
22 4,4'-DDD							
1	4.822	4.835	-0.013	237585H		0.001979	
2	5.213	5.208	0.005	126598H		0.002292	
						RPD = 14.68	
23 Endosulfan II							
1	4.943	4.942	0.001	204907H		0.001654	
2	5.290	5.298	-0.008	514614H		0.008307	
						RPD = 133.59	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	363680H		0.003581	
2	5.380	5.380	0.000	110814H		0.002384	
						RPD = 40.13	
26 4,4'-DDT							
1	5.038	5.043	-0.005	4272683H		0.0405	
2	5.435	5.437	-0.002	168360H		0.004851	
						RPD = 157.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Kepone							
1	4.988	4.990	-0.002	685368H		0.0101	
2	5.493	5.490	0.003	415457H		0.0189	
						RPD = 61.03	
27 Endosulfan sulfate							
1	5.258	5.267	-0.009	220188H		0.001867	
2	5.590	5.592	-0.002	174797H		0.003555	
						RPD = 62.27	
28 Methoxychlor							
1	5.535	5.543	-0.008	820988H		0.0152	
2	5.763	5.762	0.001	389194H		0.0212	
						RPD = 32.71	
29 Endrin ketone							
1	5.702	5.702	0.000	1419448H		0.0104	
2	5.900	5.897	0.003	372970H		0.006292	
						RPD = 49.44	
30 Mirex							
1	5.793	5.793	0.000	366250H		0.004430	
2	6.258	6.257	0.001	487376H		0.0143	
						RPD = 105.56	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.447	6.450	-0.003	2287823408H	20.2	18.9	
2	6.940	6.945	-0.005	913794459H	20.2	20.0	
						RPD = 5.56	
S 32 Total DDTs							
1						0.0530	
2						0.0234	
						RPD = 77.47	
S 33 Endosulfan, Total							
1						0.0301	
2						0.0143	
						RPD = 71.29	

Reagents:

GCS_IBLK_00006 Amount Added: 1.00 Units: mL

Report Date: 21-Dec-2023 02:16:19 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.043.D

Injection Date: 20-Dec-2023 12:36:00 Instrument ID: 9147

Lims ID: piblk

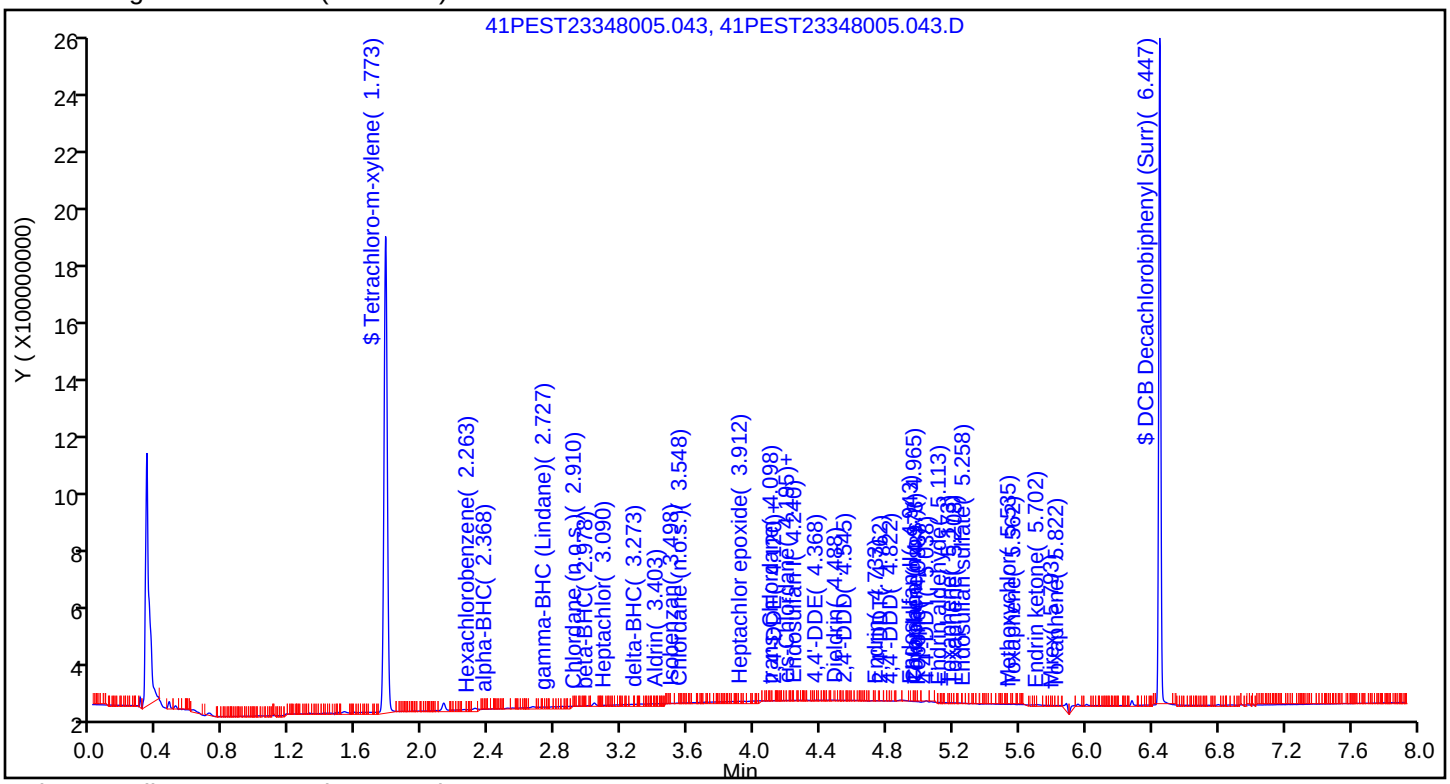
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 43

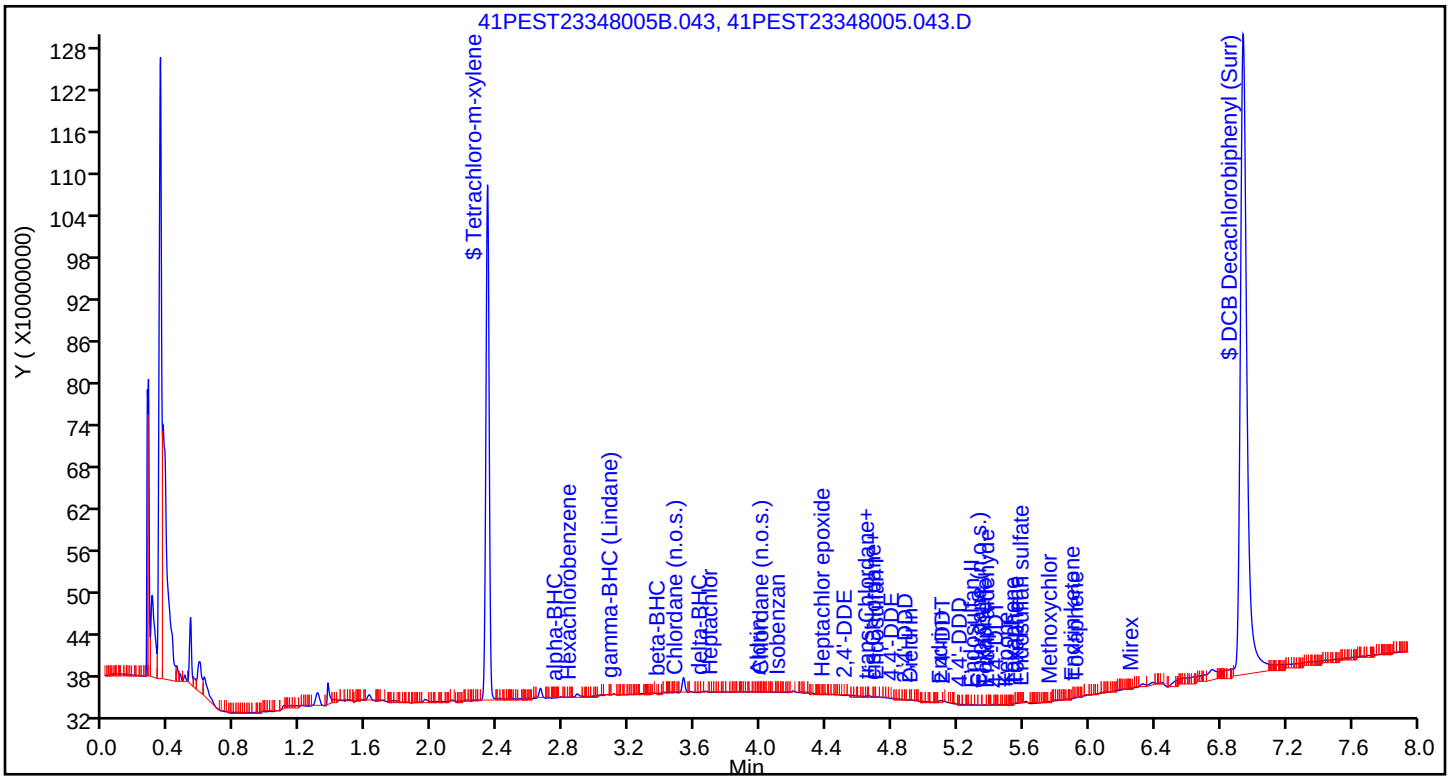
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.043.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	20-Dec-2023 12:36:00	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	21-Dec-2023 02:15:52	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1667				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.1	20.0	99.29
$ 31 DCB Decachlorobiphenyl (Surr)	20.2	18.9	93.61

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.1	18.5	92.09
$ 31 DCB Decachlorobiphenyl (Surr)	20.2	20.0	98.96

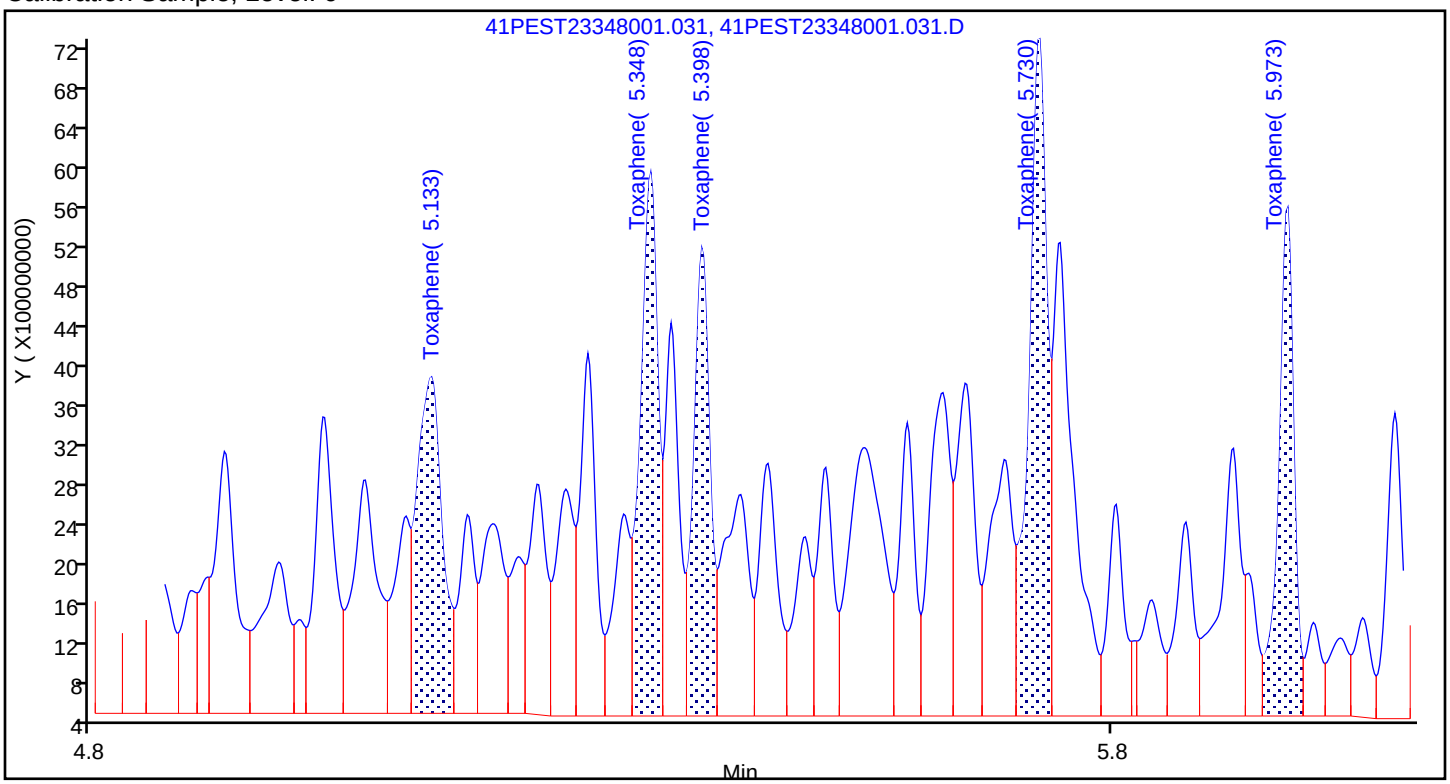
Report Date: 21-Dec-2023 02:16:19 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

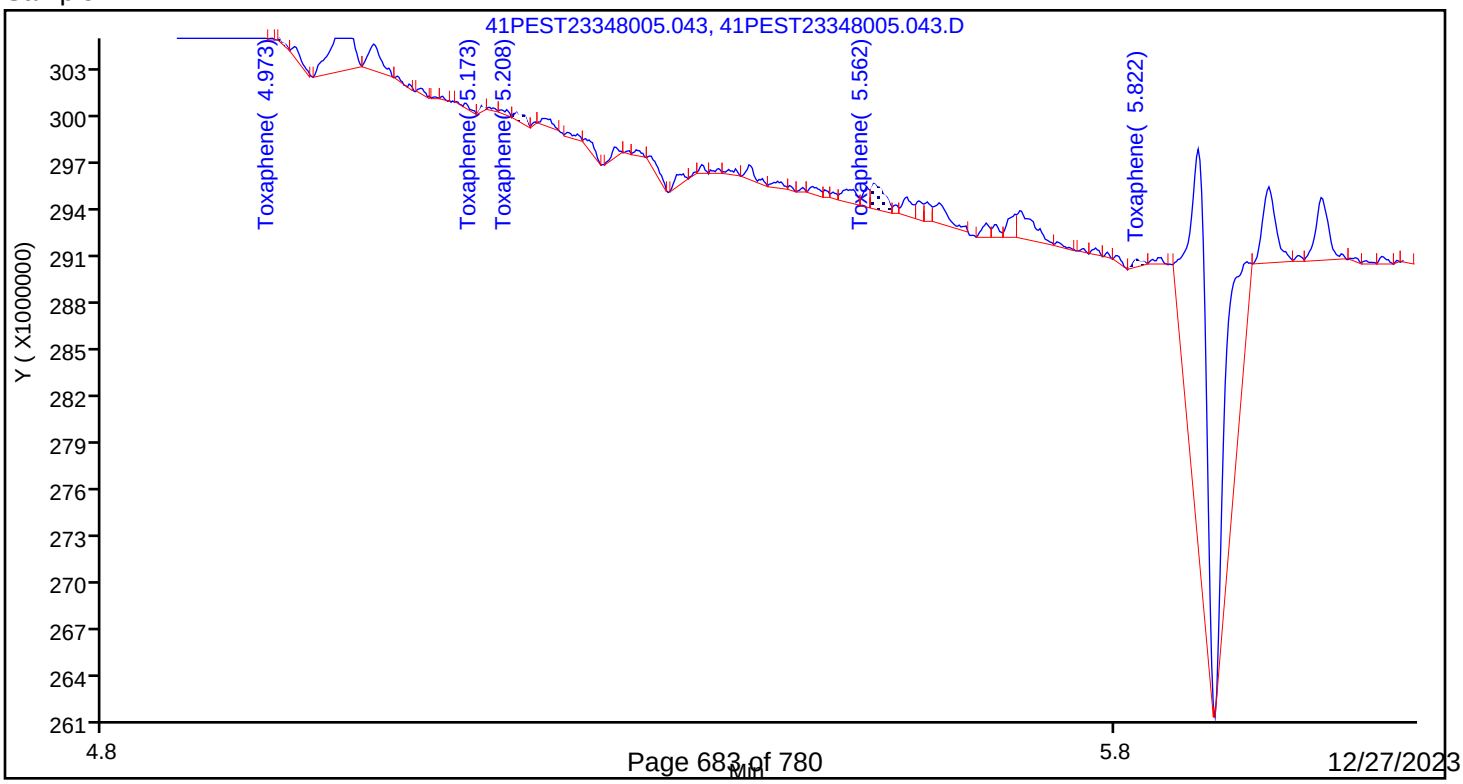
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.043.D				
Injection Date:	20-Dec-2023 12:36:00	Instrument ID:	9147		
Lims ID:	piblk				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP1 (0.32 mm)	Detector	1AECDA		

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID:
Lab Sample ID: PIBLK 410-456082/43

Matrix: Water
Lab File ID: 41PEST23348005.043.D

Analysis Method: 8081B
Date Collected:

Extraction Method:
Date Extracted:

Sample wt/vol: 0(mL)
Date Analyzed: 12/20/2023 12:36

Con. Extract Vol.:
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	*Aldrin*	*ND*		*1.0*	*0.10*
319-84-6	*alpha-BHC*	*ND*		*1.0*	*0.15*
5103-71-9	*alpha-Chlordane*	*ND*		*1.0*	*0.15*
319-85-7	*beta-BHC*	*ND*		*1.5*	*0.55*
319-86-8	*delta-BHC*	*ND*		*1.0*	*0.17*
60-57-1	*Dieldrin*	*ND*		*1.5*	*0.27*
959-98-8	*Endosulfan I*	*ND*		*1.0*	*0.22*
33213-65-9	*Endosulfan II*	*ND*		*2.0*	*0.75*
1031-07-8	*Endosulfan sulfate*	*ND*		*1.5*	*0.29*
72-20-8	*Endrin*	*ND*		*1.5*	*0.41*
7421-93-4	*Endrin aldehyde*	*ND*		*5.0*	*1.0*
53494-70-5	*Endrin ketone*	*ND*		*1.5*	*0.25*
58-89-9	*gamma-BHC (Lindane)*	*ND*		*1.0*	*0.10*
5103-74-2	*gamma-Chlordane*	*ND*		*2.0*	*0.35*
76-44-8	*Heptachlor*	*ND*		*1.0*	*0.10*
1024-57-3	*Heptachlor epoxide*	*ND*		*1.0*	*0.12*
72-43-5	*Methoxychlor*	*ND*		*5.5*	*1.5*
8001-35-2	*Toxaphene*	*ND*		*50*	*15*
72-54-8	*p,p'-DDD*	*ND*		*1.5*	*0.25*
72-55-9	*p,p'-DDE*	*ND*		*1.5*	*0.25*
50-29-3	*p,p'-DDT*	*ND*		*1.5*	*0.26*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	99		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	92		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.043.D
Lims ID: piblk
Client ID:
Sample Type: PIBLK
Inject. Date: 20-Dec-2023 12:36:00 ALS Bottle#: 0 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: piblk
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 21-Dec-2023 02:15:52 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1667

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.773	1.778	-0.005	1634611049H	20.1	20.0	
2	2.335	2.340	-0.005	734529758H	20.1	18.5	
						RPD = 7.53	
2 alpha-BHC							
1	2.368	2.363	0.005	3232253H		0.0253	
2	2.748	2.750	-0.002	182551H		0.001255	
						RPD = 181.12	
3 Hexachlorobenzene							
1	2.263	2.270	-0.007	3650110H		0.0306	
2	2.830	2.833	-0.003	528516H		0.002755	
						RPD = 166.98	
4 gamma-BHC (Lindane)							
1	2.727	2.732	-0.005	4842993H		0.0392	
2	3.082	3.088	-0.006	1193568H		0.008074	
						RPD = 131.74	
5 beta-BHC							
1	2.978	2.982	-0.004	4541179H		0.0857	
2	3.372	3.375	-0.003	258952H		0.004458	
						RPD = 180.21	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							
1	2.910	2.907	0.003	4522882H		1.44	
1	3.548	3.545	0.003	5439587H		1.87	
1	4.120	4.115	0.005	4487598H		0.3267	
1	4.195	4.198	-0.003	3781391H		0.3454	
1	4.965	4.965	0.000	130656H		0.0288	
		Average of Peak Amounts =				0.8027	
2	3.478	3.482	-0.004	1022813H		0.2156	
2	4.003	4.003	0.000	228507H		0.0481	
2	4.647	4.640	0.007	1502271H		0.0966	
2	4.688	4.678	0.010	353927H		0.0353	
2	5.332	5.347	-0.015	572705H		0.3721	
		Average of Peak Amounts =				0.1535	
						RPD = 135.78	
7 delta-BHC							
1	3.273	3.268	0.005	4828833H		0.0344	
2	3.628	3.628	0.000	319146H		0.001757	
						RPD = 180.55	
8 Heptachlor							
1	3.090	3.090	0.000	5080975H		0.0462	
2	3.692	3.688	0.004	244290H		0.001431	
						RPD = 187.99	
9 Aldrin							
1	3.403	3.400	0.003	5104490H		0.0409	
2	3.987	3.988	-0.001	283399H		0.001644	
						RPD = 184.54	
10 Isobenzan							
1	3.498	3.510	-0.012	5044027H		0.0518	
2	4.105	4.102	0.003	192649H		0.001442	
						RPD = 189.17	
11 Heptachlor epoxide							
1	3.912	3.910	0.002	5290725H		0.0431	
2	4.377	4.375	0.002	93813H		0.000605	
						RPD = 194.46	
12 2,4'-DDE							
1	4.120	4.120	0.000	4487598H		0.0505	
2	4.513	4.515	-0.002	797499H		0.009587	
						RPD = 136.18	
13 trans-Chlordane							
1	4.098	4.113	-0.015	4357253H		0.0339	
2	4.647	4.640	0.007	1502271H		0.0107	
						RPD = 103.89	
14 cis-Chlordane							
1	4.195	4.197	-0.002	3781391H		0.0297	
2	4.688	4.680	0.008	353927H		0.002564	
						RPD = 168.18	
15 Endosulfan I							
1	4.240	4.242	-0.002	3366242H		0.0285	
2	4.705	4.710	-0.005	808716H		0.005981	
						RPD = 130.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
16 4,4'-DDE							
1	4.368	4.373	-0.005	1928829H		0.0136	
2	4.800	4.807	-0.007	521629H		0.004394	
						RPD = 102.39	
17 2,4'-DDD							
1	4.545	4.538	0.007	577773H		0.006964	
2	4.882	4.885	-0.003	422220H		0.008971	
						RPD = 25.19	
18 Dieldrin							
1	4.488	4.480	0.008	123362H		0.000888	
2	4.913	4.915	-0.002	237463H		0.002006	
						RPD = 77.27	
19 Endrin							
1	4.733	4.733	0.000	455906H		0.003612	
2	5.093	5.093	0.000	1296840H		0.0147	
						RPD = 121.18	
21 Toxaphene							
1	4.973	4.957	0.016	205424H		0.1260	
1	5.173	5.175	-0.002	369516H		0.1634	
1	5.208	5.227	-0.019	491060H		0.2317	
1	5.562	5.557	0.005	1588797H		0.5711	
1	5.822	5.800	0.022	483185H		25.3	
		Average of Peak Amounts =				5.27	
2	5.093	5.122	-0.029	1296840H		2.06	
2	5.363	5.347	0.016	784168H		1.18	
2	5.535	5.528	0.007	417445H		0.4585	
2	5.558	5.583	-0.025	490442H		26.6	
2	5.923	5.917	0.006	511758H		32.0	
		Average of Peak Amounts =				12.5	
						RPD = 81.03	
20 2,4'-DDT							
1	4.762	4.762	0.000	898291H		0.0124	
2	5.110	5.123	-0.013	610728H		0.0185	
						RPD = 39.50	
22 4,4'-DDD							
1	4.822	4.835	-0.013	237585H		0.001979	
2	5.213	5.208	0.005	126598H		0.002292	
						RPD = 14.68	
23 Endosulfan II							
1	4.943	4.942	0.001	204907H		0.001654	
2	5.290	5.298	-0.008	514614H		0.008307	
						RPD = 133.59	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	363680H		0.003581	
2	5.380	5.380	0.000	110814H		0.002384	
						RPD = 40.13	
26 4,4'-DDT							
1	5.038	5.043	-0.005	4272683H		0.0405	
2	5.435	5.437	-0.002	168360H		0.004851	
						RPD = 157.24	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
24 Kepone							
1	4.988	4.990	-0.002	685368H		0.0101	
2	5.493	5.490	0.003	415457H		0.0189	
						RPD = 61.03	
27 Endosulfan sulfate							
1	5.258	5.267	-0.009	220188H		0.001867	
2	5.590	5.592	-0.002	174797H		0.003555	
						RPD = 62.27	
28 Methoxychlor							
1	5.535	5.543	-0.008	820988H		0.0152	
2	5.763	5.762	0.001	389194H		0.0212	
						RPD = 32.71	
29 Endrin ketone							
1	5.702	5.702	0.000	1419448H		0.0104	
2	5.900	5.897	0.003	372970H		0.006292	
						RPD = 49.44	
30 Mirex							
1	5.793	5.793	0.000	366250H		0.004430	
2	6.258	6.257	0.001	487376H		0.0143	
						RPD = 105.56	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.447	6.450	-0.003	2287823408H	20.2	18.9	
2	6.940	6.945	-0.005	913794459H	20.2	20.0	
						RPD = 5.56	
S 32 Total DDTs							
1						0.0530	
2						0.0234	
						RPD = 77.47	
S 33 Endosulfan, Total							
1						0.0301	
2						0.0143	
						RPD = 71.29	

Reagents:

GCS_IBLK_00006 Amount Added: 1.00 Units: mL

Report Date: 21-Dec-2023 02:16:19 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.043.D

Injection Date: 20-Dec-2023 12:36:00 Instrument ID: 9147

Lims ID: piblk

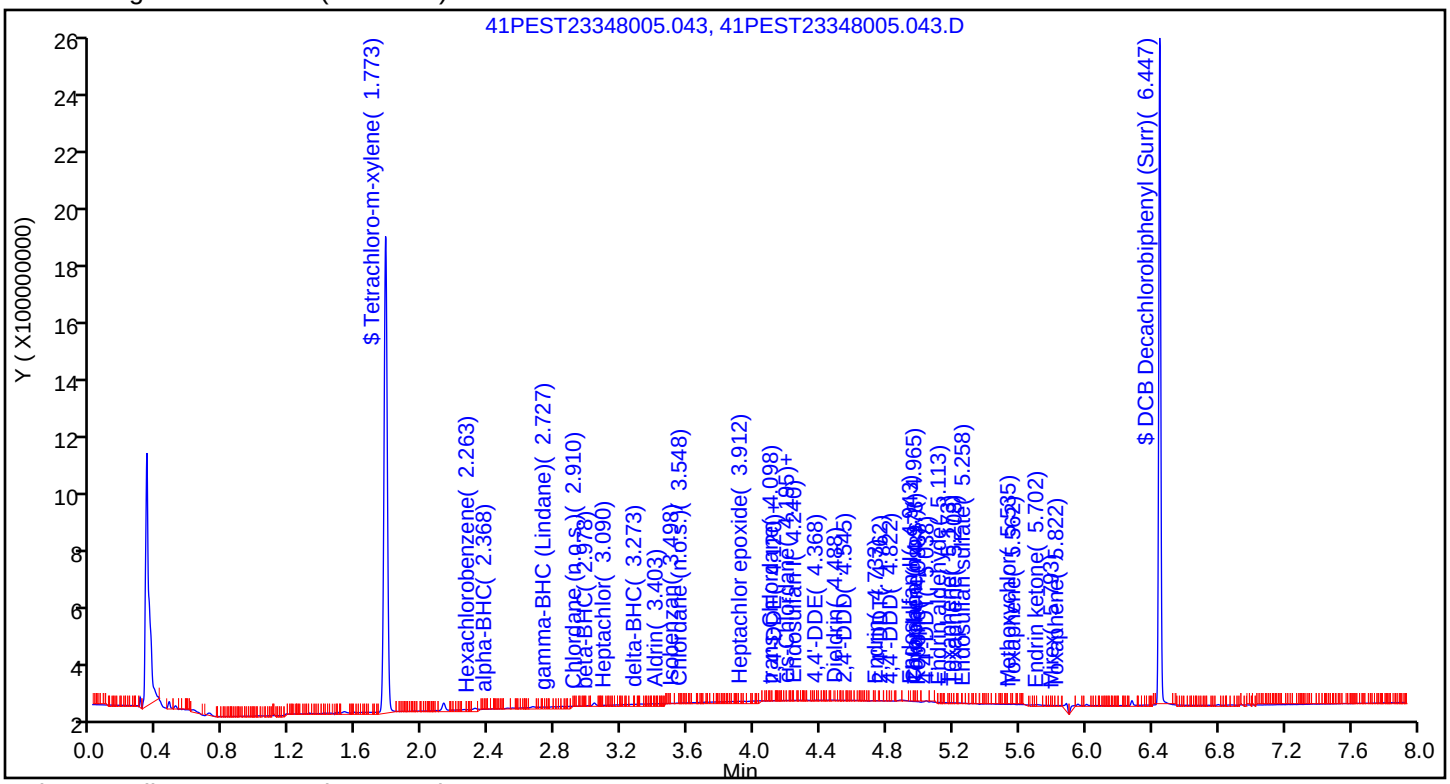
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 43

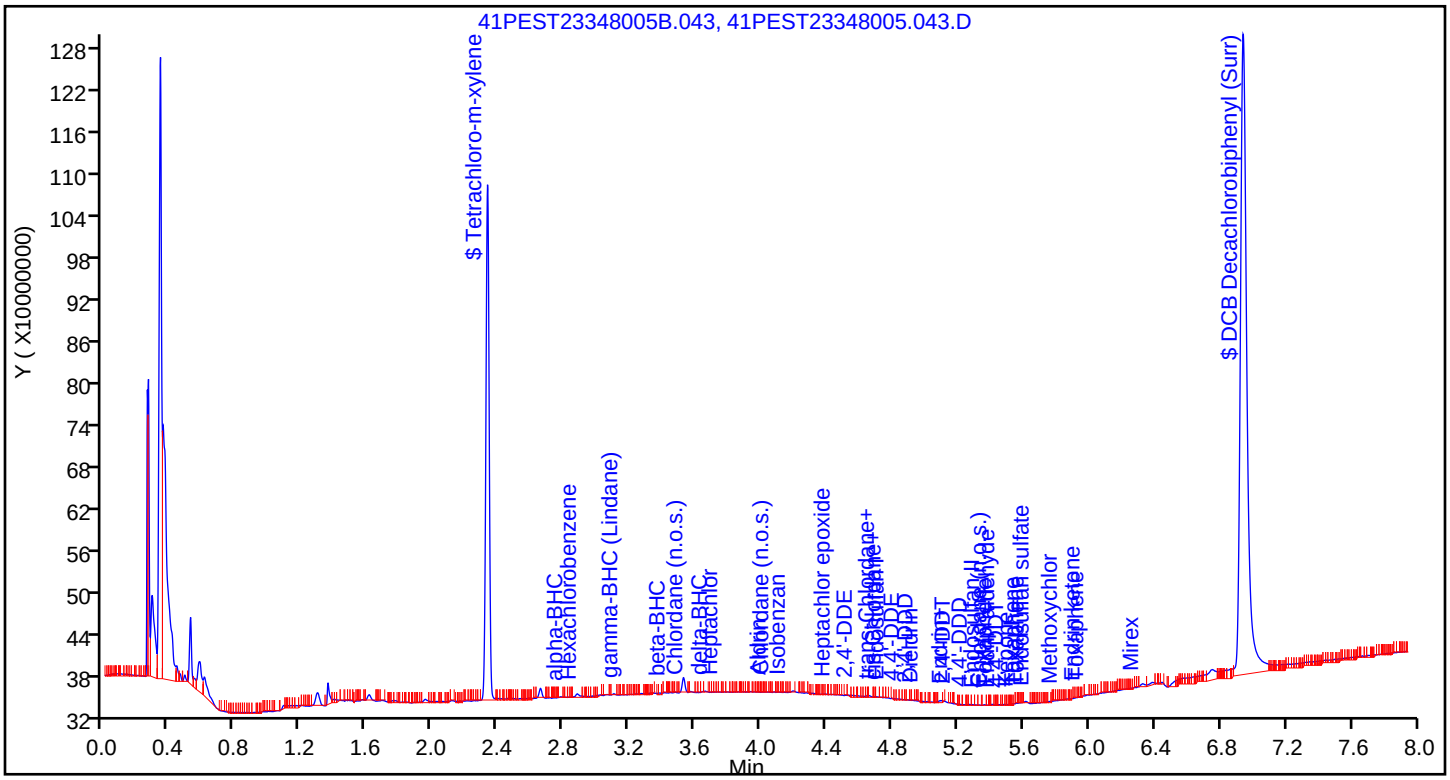
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.043.D				
Lims ID:	piblk				
Client ID:					
Sample Type:	PIBLK				
Inject. Date:	20-Dec-2023 12:36:00	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	piblk				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	21-Dec-2023 02:15:52	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1667				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.1	20.0	99.29
$ 31 DCB Decachlorobiphenyl (Surr)	20.2	18.9	93.61

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	20.1	18.5	92.09
$ 31 DCB Decachlorobiphenyl (Surr)	20.2	20.0	98.96

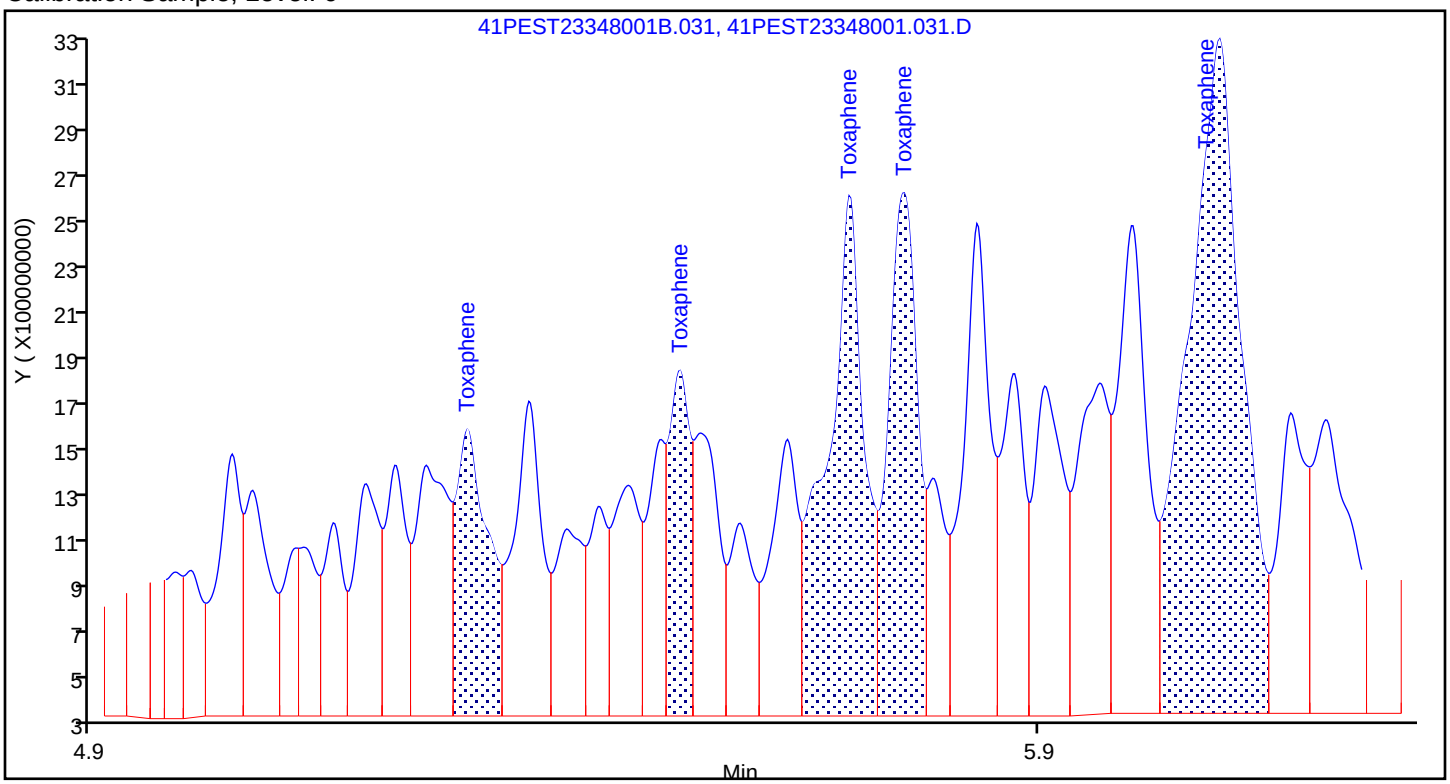
Report Date: 21-Dec-2023 02:16:19 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

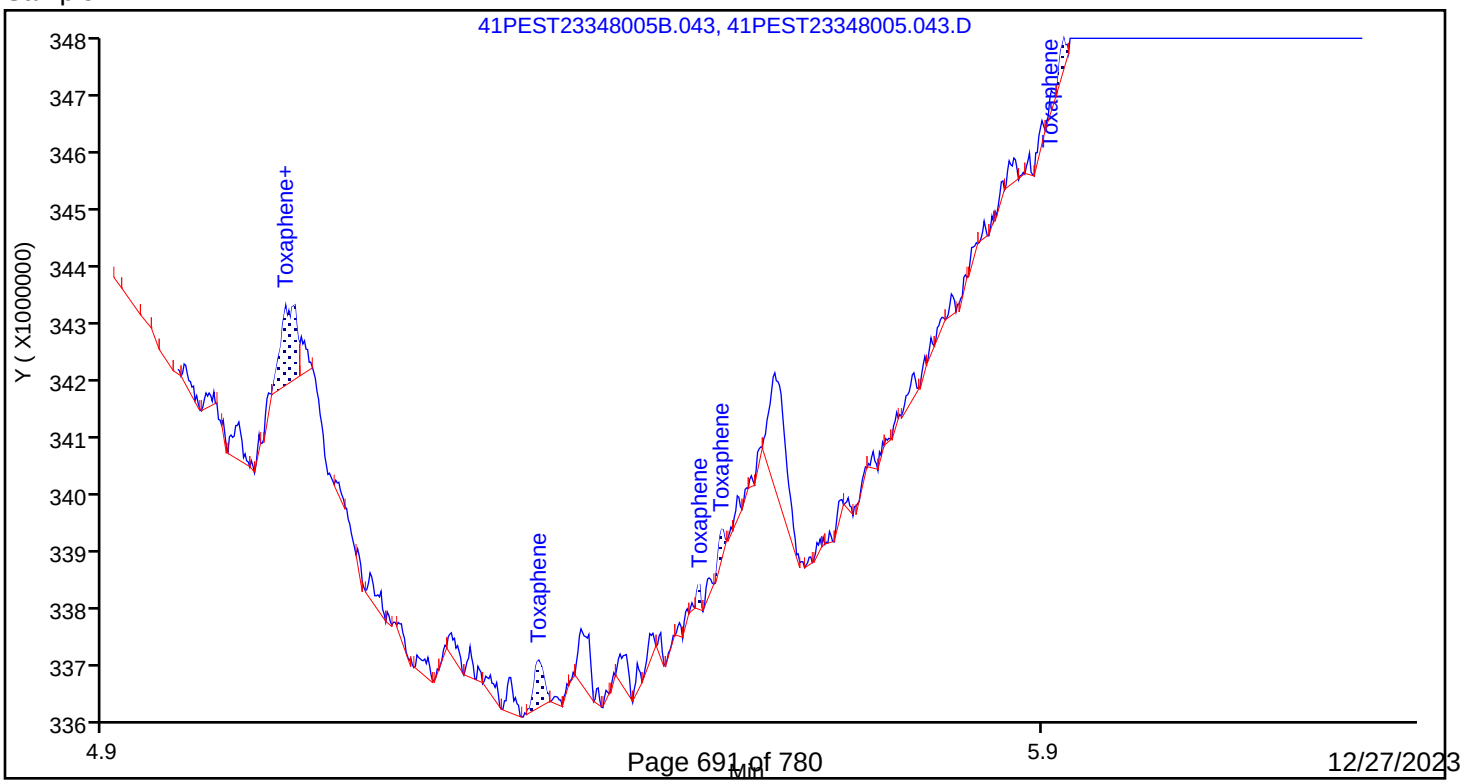
Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.043.D				
Injection Date:	20-Dec-2023 12:36:00	Instrument ID:	9147		
Lims ID:	piblk				
Client ID:					
Operator ID:	492	ALS Bottle#:	0	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	PEST_9147	Limit Group:	GCSV - 8081B		
Column:	Agilent DB-CLP2 (0.32 mm)	Detector	2BECDB		

21 Toxaphene, CAS: 8001-35-2

Calibration Sample, Level: 6



Sample



FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-455243/2-A

Matrix: Water
Lab File ID: 41PEST23348005.023.D

Analysis Method: 8081B
Date Collected:

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250(mL)
Date Analyzed: 12/20/2023 07:47

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0579		0.020	0.0020
319-84-6	alpha-BHC	0.0895		0.020	0.0030
5103-71-9	alpha-Chlordane	0.0856		0.020	0.0030
319-85-7	beta-BHC	0.0997		0.030	0.011
319-86-8	delta-BHC	0.0890		0.020	0.0034
60-57-1	Dieldrin	0.189		0.030	0.0053
959-98-8	Endosulfan I	0.0929		0.020	0.0043
33213-65-9	Endosulfan II	0.190		0.040	0.015
1031-07-8	Endosulfan sulfate	0.188		0.030	0.0058
72-20-8	Endrin	0.184		0.030	0.0081
7421-93-4	Endrin aldehyde	0.169		0.10	0.020
53494-70-5	Endrin ketone	0.197		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	0.0900		0.020	0.0020
5103-74-2	gamma-Chlordane	0.0789		0.040	0.0070
76-44-8	Heptachlor	0.0705		0.020	0.0020
1024-57-3	Heptachlor epoxide	0.0918		0.020	0.0023
72-43-5	Methoxychlor	1.07		0.11	0.030
72-54-8	p,p'-DDD	0.187		0.030	0.0050
72-55-9	p,p'-DDE	0.157		0.030	0.0050
50-29-3	p,p'-DDT	0.203		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	78		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	69		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.023.D
Lims ID: LCS 410-455243/2-A
Client ID:
Sample Type: LCS
Inject. Date: 20-Dec-2023 07:47:00 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-455243/2-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:15:37 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	847096243H	15.0	10.4	
2	2.335	2.340	-0.005	422249568H	15.0	10.7	
						RPD = 2.84	
2 alpha-BHC							
1	2.362	2.363	-0.001	571336151H	5.00	4.48	
2	2.745	2.750	-0.005	615729340H	5.00	4.23	
						RPD = 5.62	
4 gamma-BHC (Lindane)							
1	2.730	2.732	-0.002	555369991H	5.00	4.50	
2	3.085	3.088	-0.003	652662650H	5.00	4.42	
						RPD = 1.91	
5 beta-BHC							
1	2.980	2.982	-0.002	264311060H	5.00	4.99	
2	3.370	3.375	-0.005	290300210H	5.00	5.00	
						RPD = 0.24	
7 delta-BHC							
1	3.267	3.268	-0.001	625397093H	5.00	4.45	
2	3.623	3.628	-0.005	801189050H	5.00	4.41	
						RPD = 0.94	
8 Heptachlor							
1	3.090	3.090	0.000	387533725H	5.00	3.53	
2	3.683	3.688	-0.005	605026081H	5.00	3.54	
						RPD = 0.55	
9 Aldrin							
1	3.398	3.400	-0.002	361619482H	5.00	2.90	
2	3.983	3.988	-0.005	489592360H	5.00	2.84	
						RPD = 2.00	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	563983126H	5.00	4.59	
2	4.370	4.375	-0.005	690608385H	5.00	4.46	
						RPD = 3.03	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
13 trans-Chlordane							
1	4.113	4.113	0.000	506352117H	5.00	3.94	
2	4.635	4.640	-0.005	558033485H	5.00	3.99	
						RPD = 1.09	
14 cis-Chlordane							
1	4.197	4.197	0.000	545473242H	5.00	4.28	
2	4.675	4.680	-0.005	587642724H	5.00	4.26	
						RPD = 0.53	
15 Endosulfan I							
1	4.240	4.242	-0.002	549353305H	5.00	4.65	
2	4.705	4.710	-0.005	625928105H	5.00	4.63	
						RPD = 0.34	
16 4,4'-DDE							
1	4.373	4.373	0.000	1114505467H	10.0	7.87	
2	4.802	4.807	-0.005	952679156H	10.0	8.03	
						RPD = 2.01	
18 Dieldrin							
1	4.478	4.480	-0.002	1311441051H	10.0	9.44	
2	4.910	4.915	-0.005	1054289824H	10.0	8.91	
						RPD = 5.81	
19 Endrin							
1	4.732	4.733	-0.001	1159115998H	10.0	9.18	
2	5.090	5.093	-0.003	760739248H	10.0	8.63	
						RPD = 6.17	
22 4,4'-DDD							
1	4.833	4.835	-0.002	1122240782H	10.0	9.35	
2	5.203	5.208	-0.005	506385437H	10.0	9.17	
						RPD = 1.92	
23 Endosulfan II							
1	4.942	4.942	0.000	1180032720H	10.0	9.52	
2	5.293	5.298	-0.005	586513538H	10.0	9.47	
						RPD = 0.58	
25 Endrin aldehyde							
1	5.115	5.117	-0.002	858112366H	10.0	8.45	
2	5.375	5.380	-0.005	402220049H	10.0	8.65	
						RPD = 2.39	
26 4,4'-DDT							
1	5.043	5.043	0.000	1070462783H	10.0	10.2	
2	5.432	5.437	-0.005	345220427H	10.0	9.95	
						RPD = 2.06	
27 Endosulfan sulfate							
1	5.265	5.267	-0.002	1108206295H	10.0	9.40	
2	5.587	5.592	-0.005	470018064H	10.0	9.56	
						RPD = 1.72	
28 Methoxychlor							
1	5.542	5.543	-0.001	2885007436H	50.0	53.5	
2	5.757	5.762	-0.005	887041942H	50.0	48.3	
						RPD = 10.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Endrin ketone							
1	5.702	5.702	0.000	1343966068H	10.0	9.87	
2	5.892	5.897	-0.005	594242480H	10.0	10.0	
						RPD = 1.56	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	1425394071H	15.0	11.8	
2	6.940	6.945	-0.005	560627700H	15.0	12.2	
						RPD = 4.02	

Report Date: 20-Dec-2023 12:15:56 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.023.D

Injection Date: 20-Dec-2023 07:47:00 Instrument ID: 9147

Lims ID: LCS 410-455243/2-A

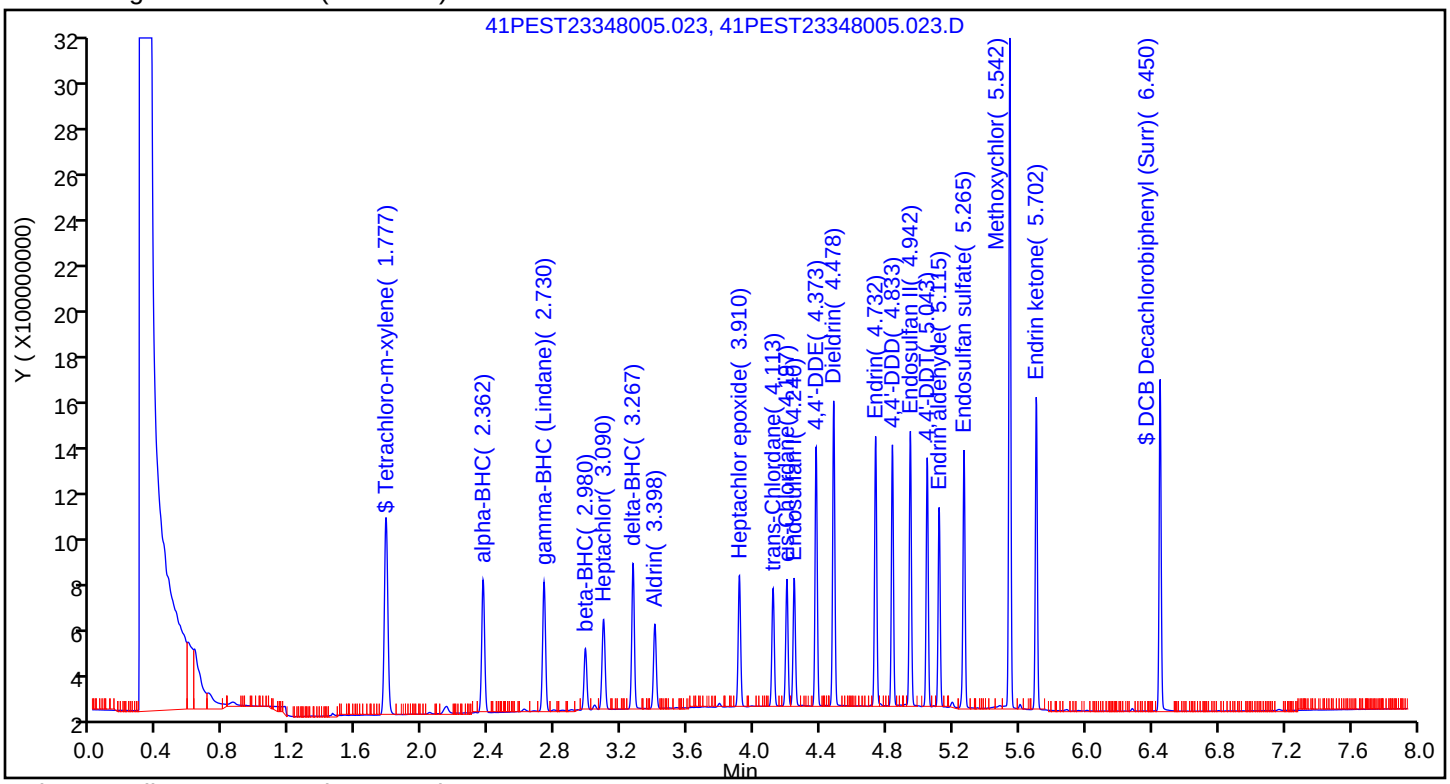
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 23

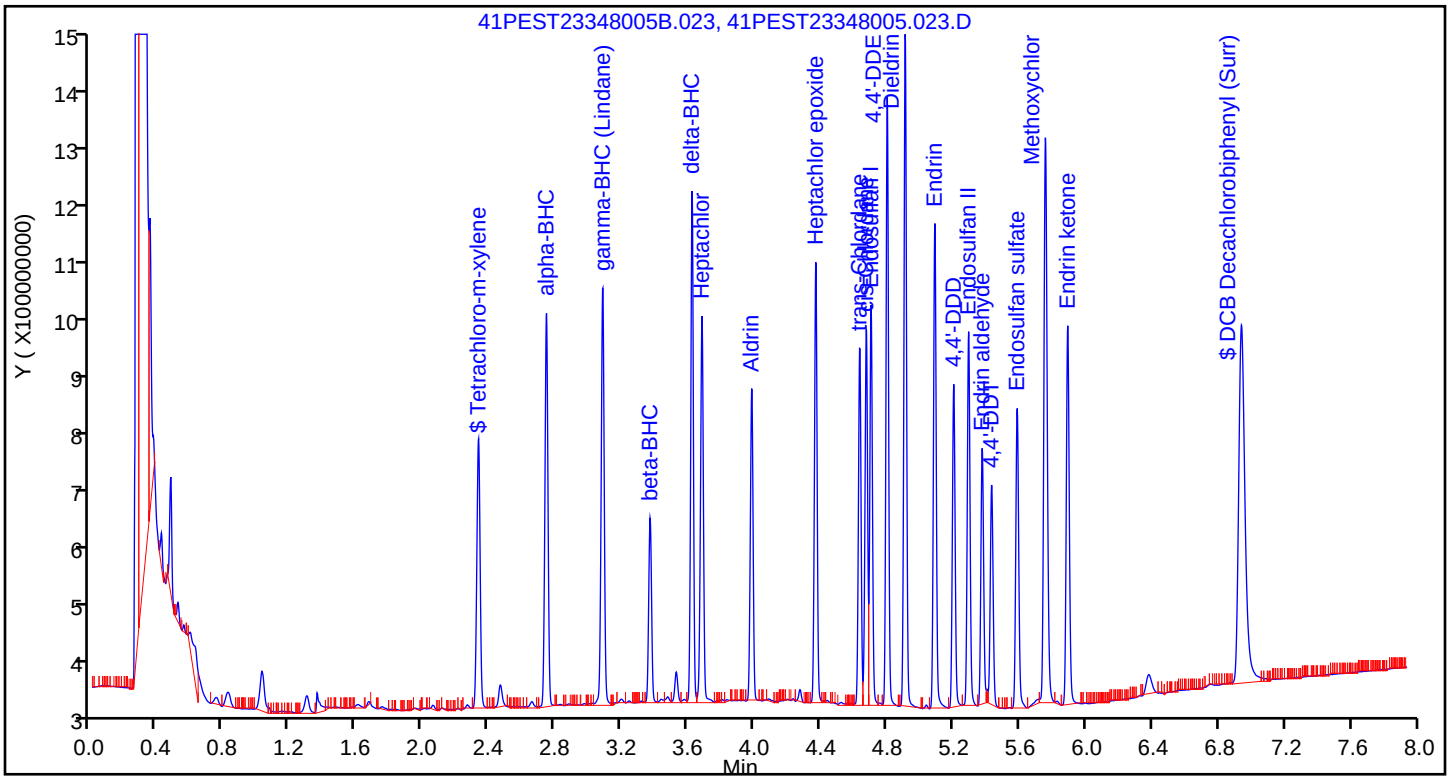
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.023.D				
Lims ID:	LCS 410-455243/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	20-Dec-2023 07:47:00	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 410-455243/2-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:15:37	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.4	68.95
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.8	78.38

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.7	70.93
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	12.2	81.60

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-455243/2-A

Matrix: Water
Lab File ID: 41PEST23348005.023.D

Analysis Method: 8081B
Date Collected:

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 250(mL)
Date Analyzed: 12/20/2023 07:47

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	82		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	71		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.023.D
Lims ID: LCS 410-455243/2-A
Client ID:
Sample Type: LCS
Inject. Date: 20-Dec-2023 07:47:00 ALS Bottle#: 0 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 410-455243/2-A
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:15:37 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	847096243H	15.0	10.4	
2	2.335	2.340	-0.005	422249568H	15.0	10.7	
						RPD = 2.84	
2 alpha-BHC							
1	2.362	2.363	-0.001	571336151H	5.00	4.48	
2	2.745	2.750	-0.005	615729340H	5.00	4.23	
						RPD = 5.62	
4 gamma-BHC (Lindane)							
1	2.730	2.732	-0.002	555369991H	5.00	4.50	
2	3.085	3.088	-0.003	652662650H	5.00	4.42	
						RPD = 1.91	
5 beta-BHC							
1	2.980	2.982	-0.002	264311060H	5.00	4.99	
2	3.370	3.375	-0.005	290300210H	5.00	5.00	
						RPD = 0.24	
7 delta-BHC							
1	3.267	3.268	-0.001	625397093H	5.00	4.45	
2	3.623	3.628	-0.005	801189050H	5.00	4.41	
						RPD = 0.94	
8 Heptachlor							
1	3.090	3.090	0.000	387533725H	5.00	3.53	
2	3.683	3.688	-0.005	605026081H	5.00	3.54	
						RPD = 0.55	
9 Aldrin							
1	3.398	3.400	-0.002	361619482H	5.00	2.90	
2	3.983	3.988	-0.005	489592360H	5.00	2.84	
						RPD = 2.00	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	563983126H	5.00	4.59	
2	4.370	4.375	-0.005	690608385H	5.00	4.46	
						RPD = 3.03	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
13 trans-Chlordane							
1	4.113	4.113	0.000	506352117H	5.00	3.94	
2	4.635	4.640	-0.005	558033485H	5.00	3.99	
						RPD = 1.09	
14 cis-Chlordane							
1	4.197	4.197	0.000	545473242H	5.00	4.28	
2	4.675	4.680	-0.005	587642724H	5.00	4.26	
						RPD = 0.53	
15 Endosulfan I							
1	4.240	4.242	-0.002	549353305H	5.00	4.65	
2	4.705	4.710	-0.005	625928105H	5.00	4.63	
						RPD = 0.34	
16 4,4'-DDE							
1	4.373	4.373	0.000	1114505467H	10.0	7.87	
2	4.802	4.807	-0.005	952679156H	10.0	8.03	
						RPD = 2.01	
18 Dieldrin							
1	4.478	4.480	-0.002	1311441051H	10.0	9.44	
2	4.910	4.915	-0.005	1054289824H	10.0	8.91	
						RPD = 5.81	
19 Endrin							
1	4.732	4.733	-0.001	1159115998H	10.0	9.18	
2	5.090	5.093	-0.003	760739248H	10.0	8.63	
						RPD = 6.17	
22 4,4'-DDD							
1	4.833	4.835	-0.002	1122240782H	10.0	9.35	
2	5.203	5.208	-0.005	506385437H	10.0	9.17	
						RPD = 1.92	
23 Endosulfan II							
1	4.942	4.942	0.000	1180032720H	10.0	9.52	
2	5.293	5.298	-0.005	586513538H	10.0	9.47	
						RPD = 0.58	
25 Endrin aldehyde							
1	5.115	5.117	-0.002	858112366H	10.0	8.45	
2	5.375	5.380	-0.005	402220049H	10.0	8.65	
						RPD = 2.39	
26 4,4'-DDT							
1	5.043	5.043	0.000	1070462783H	10.0	10.2	
2	5.432	5.437	-0.005	345220427H	10.0	9.95	
						RPD = 2.06	
27 Endosulfan sulfate							
1	5.265	5.267	-0.002	1108206295H	10.0	9.40	
2	5.587	5.592	-0.005	470018064H	10.0	9.56	
						RPD = 1.72	
28 Methoxychlor							
1	5.542	5.543	-0.001	2885007436H	50.0	53.5	
2	5.757	5.762	-0.005	887041942H	50.0	48.3	
						RPD = 10.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
29 Endrin ketone							
1	5.702	5.702	0.000	1343966068H	10.0	9.87	
2	5.892	5.897	-0.005	594242480H	10.0	10.0	
						RPD = 1.56	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	1425394071H	15.0	11.8	
2	6.940	6.945	-0.005	560627700H	15.0	12.2	
						RPD = 4.02	

Report Date: 20-Dec-2023 12:15:56 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.023.D

Injection Date: 20-Dec-2023 07:47:00 Instrument ID: 9147

Lims ID: LCS 410-455243/2-A

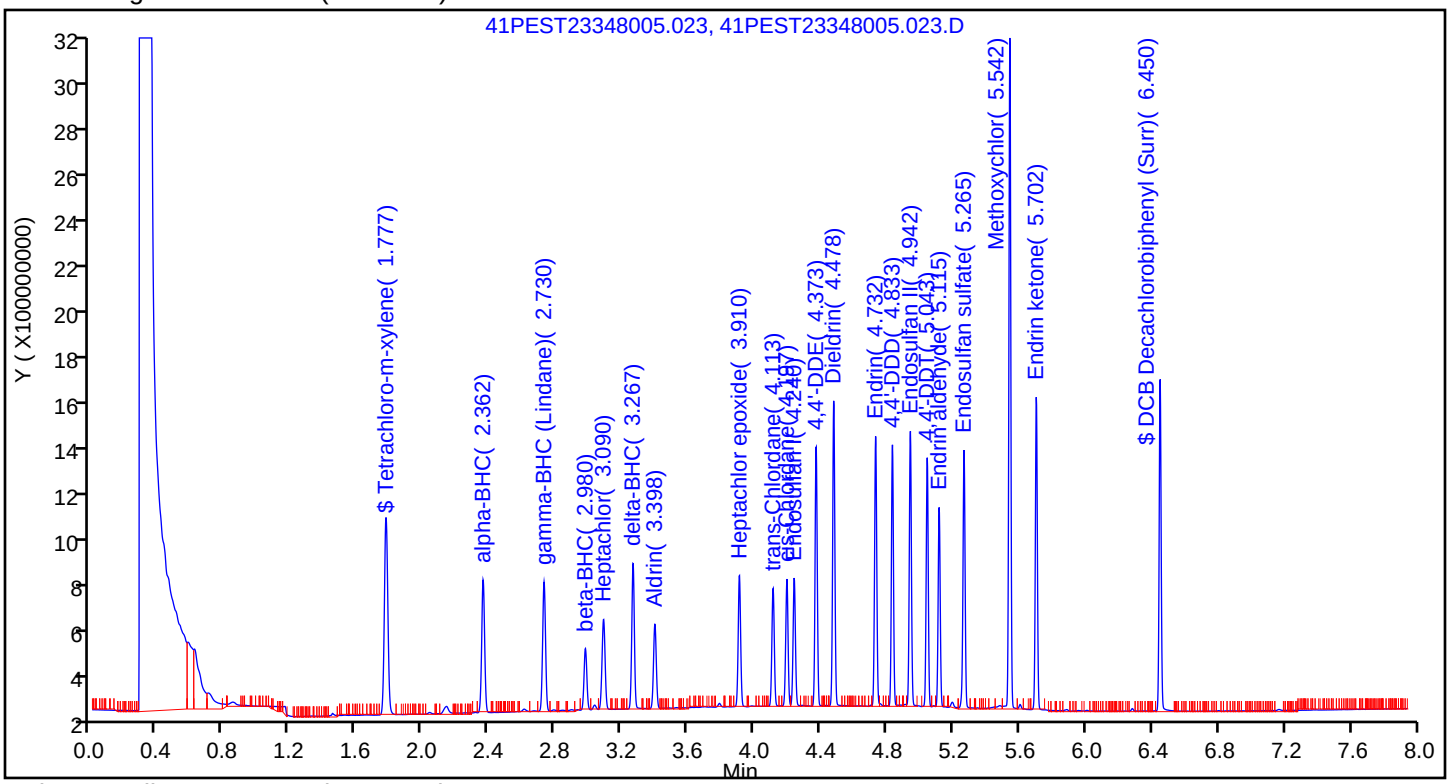
Client ID:

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 23

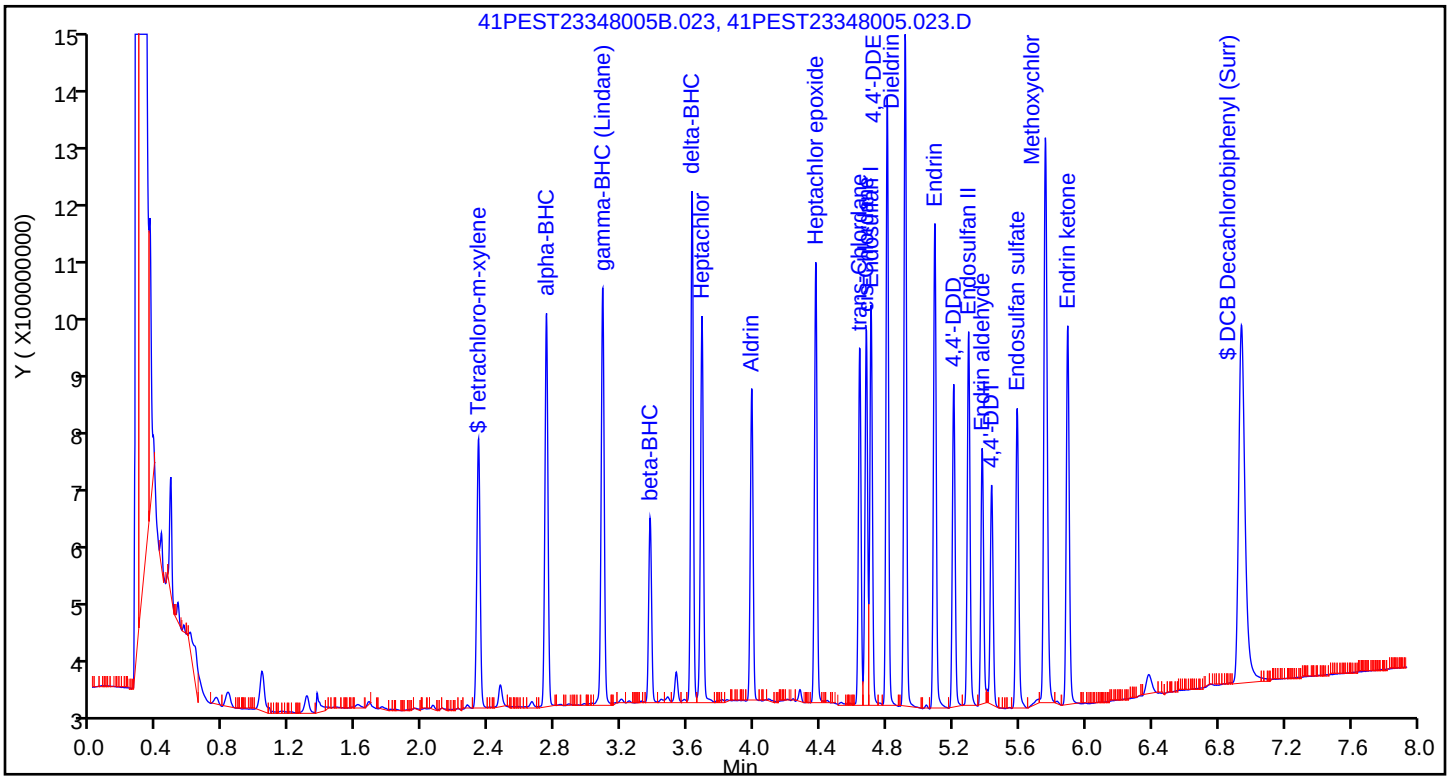
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.023.D				
Lims ID:	LCS 410-455243/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	20-Dec-2023 07:47:00	ALS Bottle#:	0	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	LCS 410-455243/2-A				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:15:37	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.4	68.95
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.8	78.38

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.7	70.93
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	12.2	81.60

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-UF-20231212 MS/MSD MS
Lab Sample ID: 410-154654-1 MS

Matrix: Water
Lab File ID: 41PEST23348005.024.D

Analysis Method: 8081B
Date Collected: 12/12/2023 09:31

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 242.2(mL)
Date Analyzed: 12/20/2023 08:02

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0696		0.021	0.0021
319-84-6	alpha-BHC	0.0895		0.021	0.0031
5103-71-9	alpha-Chlordane	0.0966		0.021	0.0031
319-85-7	beta-BHC	0.100		0.031	0.011
319-86-8	delta-BHC	0.0882		0.021	0.0035
60-57-1	Dieldrin	0.185		0.031	0.0055
959-98-8	Endosulfan I	0.0929		0.021	0.0044
33213-65-9	Endosulfan II	0.182		0.041	0.015
1031-07-8	Endosulfan sulfate	0.185		0.031	0.0060
72-20-8	Endrin	0.182		0.031	0.0084
7421-93-4	Endrin aldehyde	0.166		0.10	0.021
53494-70-5	Endrin ketone	0.193		0.031	0.0052
58-89-9	gamma-BHC (Lindane)	0.0900		0.021	0.0021
5103-74-2	gamma-Chlordane	0.0871		0.041	0.0072
76-44-8	Heptachlor	0.0821		0.021	0.0021
1024-57-3	Heptachlor epoxide	0.0916		0.021	0.0024
72-43-5	Methoxychlor	1.03		0.11	0.031
8001-35-2	Toxaphene	ND		1.0	0.31
72-54-8	p,p'-DDD	0.183		0.031	0.0052
72-55-9	p,p'-DDE	0.168		0.031	0.0052
50-29-3	p,p'-DDT	0.208		0.031	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	72		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	72		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.024.D
Lims ID: 410-154654-A-1-A MS
Client ID: MW-3-UF-20231212 MS/MSD
Sample Type: MS
Inject. Date: 20-Dec-2023 08:02:00 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-1-A MS
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:18:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	878607124H	15.0	10.7	
2	2.338	2.340	-0.002	427444239H	15.0	10.8	
						RPD = 0.41	
2 alpha-BHC							
1	2.363	2.363	0.000	553489252H	5.00	4.34	
2	2.748	2.750	-0.002	606679718H	5.00	4.17	
						RPD = 3.93	
3 Hexachlorobenzene							
1	2.253	2.270	-0.017	719997H		0.006040	
2	2.837	2.833	0.004	1315075H		0.006856	
						RPD = 12.66	
4 gamma-BHC (Lindane)							
1	2.732	2.732	0.000	537953512H	5.00	4.36	
2	3.088	3.088	0.000	621922056H	5.00	4.21	
						RPD = 3.55	
5 beta-BHC							
1	2.980	2.982	-0.002	257443265H	5.00	4.86	
2	3.375	3.375	0.000	292211851H	5.00	5.03	
						RPD = 3.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.268	3.268	0.000	600492526H	5.00	4.27	
2	3.628	3.628	0.000	747529739H	5.00	4.11	
						RPD = 3.81	
8 Heptachlor							
1	3.090	3.090	0.000	437330846H	5.00	3.98	
2	3.688	3.688	0.000	667124648H	5.00	3.91	
						RPD = 1.76	
9 Aldrin							
1	3.400	3.400	0.000	420584329H	5.00	3.37	
2	3.988	3.988	0.000	579940756H	5.00	3.36	
						RPD = 0.17	
10 Isobenzan							
1	3.485	3.510	-0.025	1707234H		0.0175	
2	4.083	4.102	-0.019	14305019H		0.1070	
						RPD = 143.71	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	544726439H	5.00	4.44	
2	4.375	4.375	0.000	670775963H	5.00	4.33	
						RPD = 2.47	
12 2,4'-DDE							
1		4.120				ND	
2		4.515					
13 trans-Chlordane							
1	4.113	4.113	0.000	541973884H	5.00	4.22	
2	4.640	4.640	0.000	655282875H	5.00	4.68	
						RPD = 10.35	
14 cis-Chlordane							
1	4.197	4.197	0.000	596577880H	5.00	4.68	
2	4.680	4.680	0.000	626414252H	5.00	4.54	
						RPD = 3.10	
15 Endosulfan I							
1	4.242	4.242	0.000	532216345H	5.00	4.50	
2	4.710	4.710	0.000	585462269H	5.00	4.33	
						RPD = 3.85	
16 4,4'-DDE							
1	4.373	4.373	0.000	1155201586H	10.0	8.15	
2	4.807	4.807	0.000	951582540H	10.0	8.02	
						RPD = 1.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.537	4.538	-0.001	5861924H		0.0707	
2	4.882	4.885	-0.003	7958988H		0.1691	
						RPD = 82.13	
18 Dieldrin							
1	4.480	4.480	0.000	1247315542H	10.0	8.98	
2	4.915	4.915	0.000	984601834H	10.0	8.32	
						RPD = 7.63	
19 Endrin							
1	4.733	4.733	0.000	1113298248H	10.0	8.82	
2	5.093	5.093	0.000	711028160H	10.0	8.07	
						RPD = 8.89	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1		4.762				ND	
2		5.123					
22 4,4'-DDD							
1	4.835	4.835	0.000	1065564777H	10.0	8.87	
2	5.207	5.208	-0.001	464467002H	10.0	8.41	
						RPD = 5.38	
23 Endosulfan II							
1	4.942	4.942	0.000	1092818816H	10.0	8.82	
2	5.297	5.298	-0.001	541039221H	10.0	8.73	
						RPD = 0.97	
25 Endrin aldehyde							
1	5.117	5.117	0.000	815775451H	10.0	8.03	
2	5.380	5.380	0.000	381126252H	10.0	8.20	
						RPD = 2.06	
26 4,4'-DDT							
1	5.045	5.043	0.002	1061803461H	10.0	10.1	
2	5.437	5.437	0.000	321460404H	10.0	9.26	
						RPD = 8.38	
24 Kepone							
1		4.990				ND	
2		5.490					
27 Endosulfan sulfate							
1	5.267	5.267	0.000	1059268844H	10.0	8.98	
2	5.590	5.592	-0.002	447197087H	10.0	9.09	
						RPD = 1.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.543	5.543	0.000	2678411739H	50.0	49.7	
2	5.762	5.762	0.000	824034827H	50.0	44.9	
						RPD = 10.22	
29 Endrin ketone							
1	5.703	5.702	0.001	1271505822H	10.0	9.34	
2	5.895	5.897	-0.002	557000482H	10.0	9.40	
						RPD = 0.63	
30 Mirex							
1	5.783	5.793	-0.010	452802H		0.005477	
2	6.252	6.257	-0.005	470828H		0.0138	
						RPD = 86.63	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	1310674250H	15.0	10.8	
2	6.943	6.945	-0.002	518945136H	15.0	11.3	
						RPD = 4.68	
S 32 Total DDTs							
1						10.1	
2						9.26	
						RPD = 8.38	
S 33 Endosulfan, Total							
1						13.3	
2						13.1	
						RPD = 1.94	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:49 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.024.D

Injection Date: 20-Dec-2023 08:02:00 Instrument ID: 9147

Lims ID: 410-154654-A-1-A MS

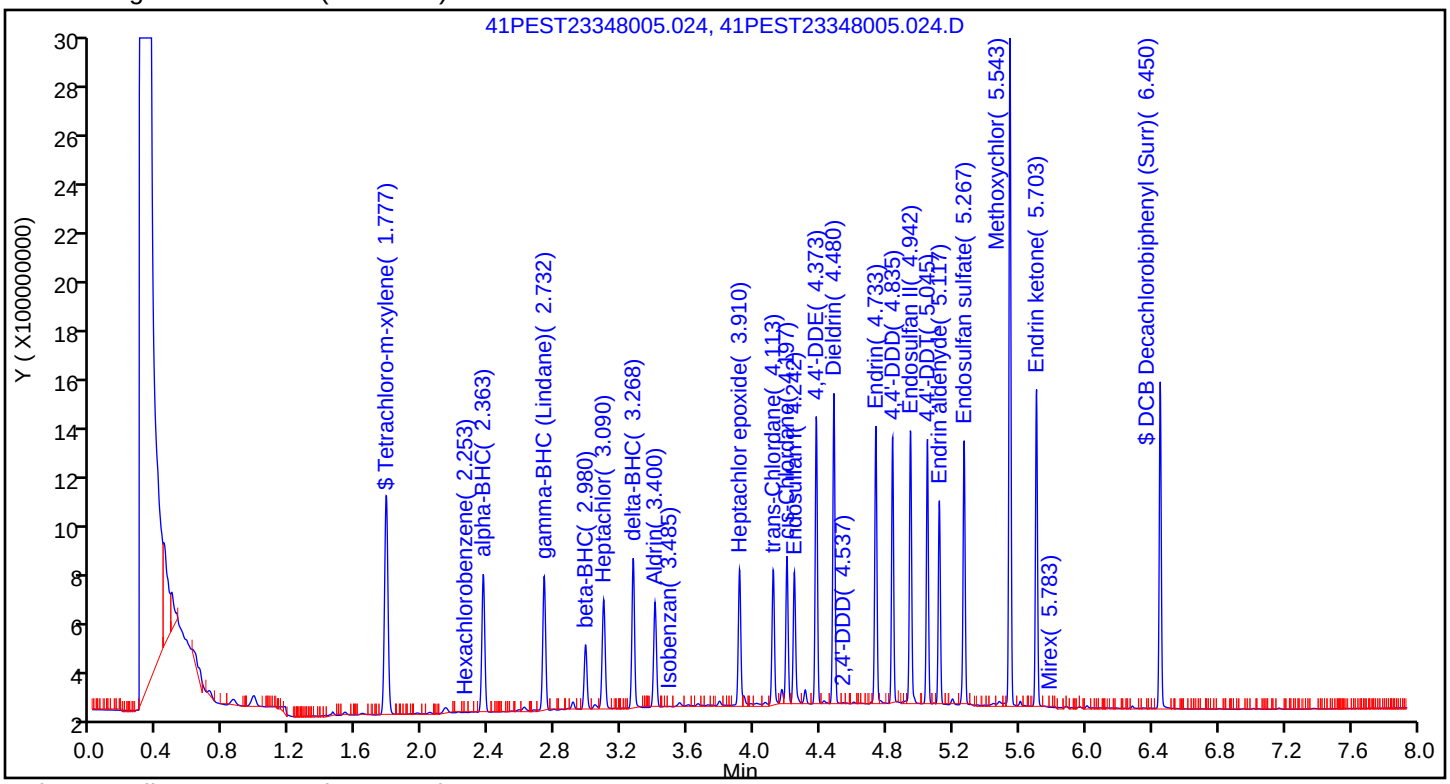
Client ID: MW-3-UF-20231212 MS/MSD

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 24

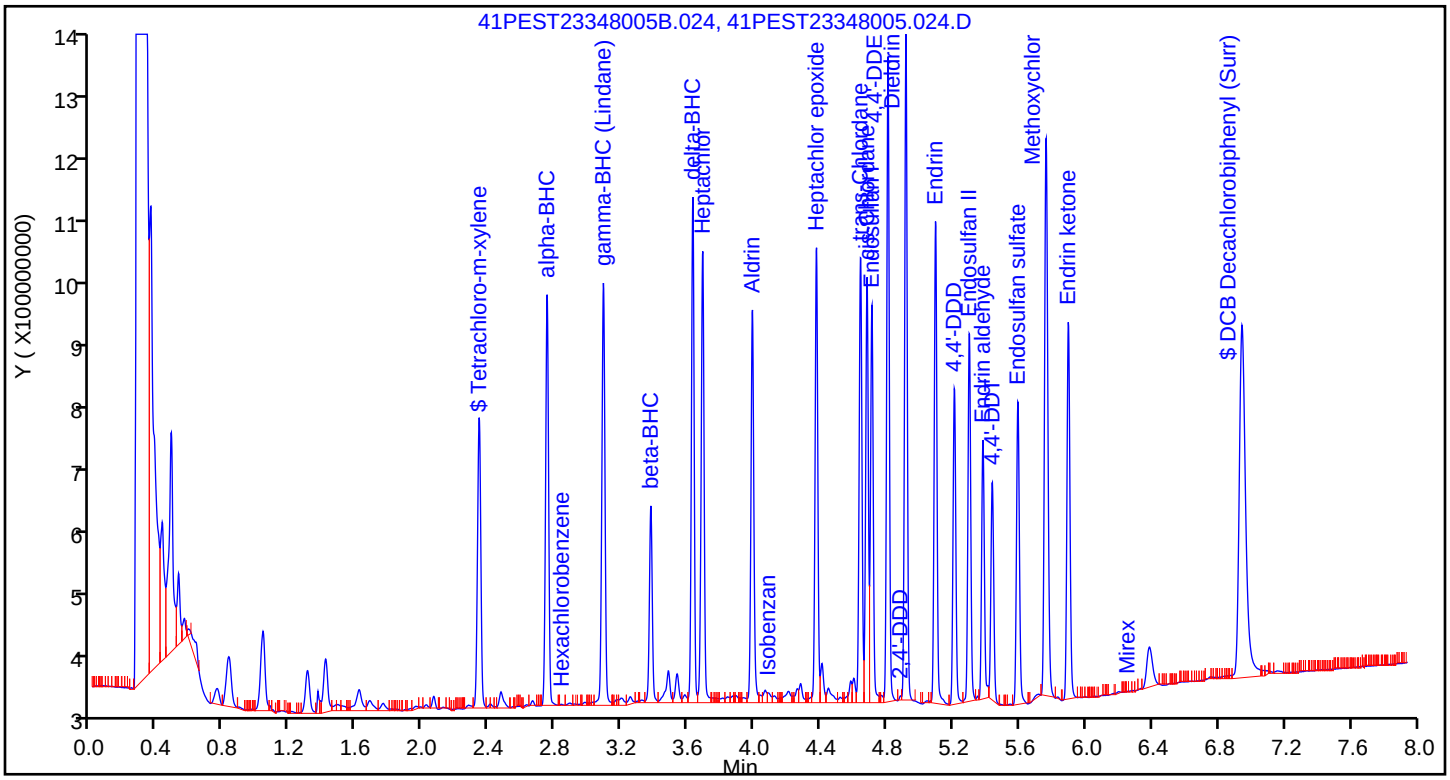
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.024.D				
Lims ID:	410-154654-A-1-A MS				
Client ID:	MW-3-UF-20231212 MS/MSD				
Sample Type:	MS				
Inject. Date:	20-Dec-2023 08:02:00	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-1-A MS				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:18:42		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.7	71.51
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	10.8	72.08

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.8	71.81
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.3	75.53

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-UF-20231212 MS/MSD MS Lab Sample ID: 410-154654-1 MS

Matrix: Water Lab File ID: 41PEST23348005.024.D

Analysis Method: 8081B Date Collected: 12/12/2023 09:31

Extraction Method: 3510C Date Extracted: 12/18/2023 10:00

Sample wt/vol: 242.2(mL) Date Analyzed: 12/20/2023 08:02

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	76		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	72		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.024.D
Lims ID: 410-154654-A-1-A MS
Client ID: MW-3-UF-20231212 MS/MSD
Sample Type: MS
Inject. Date: 20-Dec-2023 08:02:00 ALS Bottle#: 0 Worklist Smp#: 24
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-1-A MS
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:18:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	878607124H	15.0	10.7	
2	2.338	2.340	-0.002	427444239H	15.0	10.8	
						RPD = 0.41	
2 alpha-BHC							
1	2.363	2.363	0.000	553489252H	5.00	4.34	
2	2.748	2.750	-0.002	606679718H	5.00	4.17	
						RPD = 3.93	
3 Hexachlorobenzene							
1	2.253	2.270	-0.017	719997H		0.006040	
2	2.837	2.833	0.004	1315075H		0.006856	
						RPD = 12.66	
4 gamma-BHC (Lindane)							
1	2.732	2.732	0.000	537953512H	5.00	4.36	
2	3.088	3.088	0.000	621922056H	5.00	4.21	
						RPD = 3.55	
5 beta-BHC							
1	2.980	2.982	-0.002	257443265H	5.00	4.86	
2	3.375	3.375	0.000	292211851H	5.00	5.03	
						RPD = 3.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.268	3.268	0.000	600492526H	5.00	4.27	
2	3.628	3.628	0.000	747529739H	5.00	4.11	
						RPD = 3.81	
8 Heptachlor							
1	3.090	3.090	0.000	437330846H	5.00	3.98	
2	3.688	3.688	0.000	667124648H	5.00	3.91	
						RPD = 1.76	
9 Aldrin							
1	3.400	3.400	0.000	420584329H	5.00	3.37	
2	3.988	3.988	0.000	579940756H	5.00	3.36	
						RPD = 0.17	
10 Isobenzan							
1	3.485	3.510	-0.025	1707234H		0.0175	
2	4.083	4.102	-0.019	14305019H		0.1070	
						RPD = 143.71	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	544726439H	5.00	4.44	
2	4.375	4.375	0.000	670775963H	5.00	4.33	
						RPD = 2.47	
12 2,4'-DDE							
1		4.120				ND	
2		4.515					
13 trans-Chlordane							
1	4.113	4.113	0.000	541973884H	5.00	4.22	
2	4.640	4.640	0.000	655282875H	5.00	4.68	
						RPD = 10.35	
14 cis-Chlordane							
1	4.197	4.197	0.000	596577880H	5.00	4.68	
2	4.680	4.680	0.000	626414252H	5.00	4.54	
						RPD = 3.10	
15 Endosulfan I							
1	4.242	4.242	0.000	532216345H	5.00	4.50	
2	4.710	4.710	0.000	585462269H	5.00	4.33	
						RPD = 3.85	
16 4,4'-DDE							
1	4.373	4.373	0.000	1155201586H	10.0	8.15	
2	4.807	4.807	0.000	951582540H	10.0	8.02	
						RPD = 1.69	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.537	4.538	-0.001	5861924H		0.0707	
2	4.882	4.885	-0.003	7958988H		0.1691	
						RPD = 82.13	
18 Dieldrin							
1	4.480	4.480	0.000	1247315542H	10.0	8.98	
2	4.915	4.915	0.000	984601834H	10.0	8.32	
						RPD = 7.63	
19 Endrin							
1	4.733	4.733	0.000	1113298248H	10.0	8.82	
2	5.093	5.093	0.000	711028160H	10.0	8.07	
						RPD = 8.89	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1		4.762				ND	
2		5.123					
22 4,4'-DDD							
1	4.835	4.835	0.000	1065564777H	10.0	8.87	
2	5.207	5.208	-0.001	464467002H	10.0	8.41	
						RPD = 5.38	
23 Endosulfan II							
1	4.942	4.942	0.000	1092818816H	10.0	8.82	
2	5.297	5.298	-0.001	541039221H	10.0	8.73	
						RPD = 0.97	
25 Endrin aldehyde							
1	5.117	5.117	0.000	815775451H	10.0	8.03	
2	5.380	5.380	0.000	381126252H	10.0	8.20	
						RPD = 2.06	
26 4,4'-DDT							
1	5.045	5.043	0.002	1061803461H	10.0	10.1	
2	5.437	5.437	0.000	321460404H	10.0	9.26	
						RPD = 8.38	
24 Kepone							
1		4.990				ND	
2		5.490					
27 Endosulfan sulfate							
1	5.267	5.267	0.000	1059268844H	10.0	8.98	
2	5.590	5.592	-0.002	447197087H	10.0	9.09	
						RPD = 1.26	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.543	5.543	0.000	2678411739H	50.0	49.7	
2	5.762	5.762	0.000	824034827H	50.0	44.9	
						RPD = 10.22	
29 Endrin ketone							
1	5.703	5.702	0.001	1271505822H	10.0	9.34	
2	5.895	5.897	-0.002	557000482H	10.0	9.40	
						RPD = 0.63	
30 Mirex							
1	5.783	5.793	-0.010	452802H		0.005477	
2	6.252	6.257	-0.005	470828H		0.0138	
						RPD = 86.63	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	1310674250H	15.0	10.8	
2	6.943	6.945	-0.002	518945136H	15.0	11.3	
						RPD = 4.68	
S 32 Total DDTs							
1						10.1	
2						9.26	
						RPD = 8.38	
S 33 Endosulfan, Total							
1						13.3	
2						13.1	
						RPD = 1.94	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:50 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.024.D

Injection Date: 20-Dec-2023 08:02:00 Instrument ID: 9147

Lims ID: 410-154654-A-1-A MS

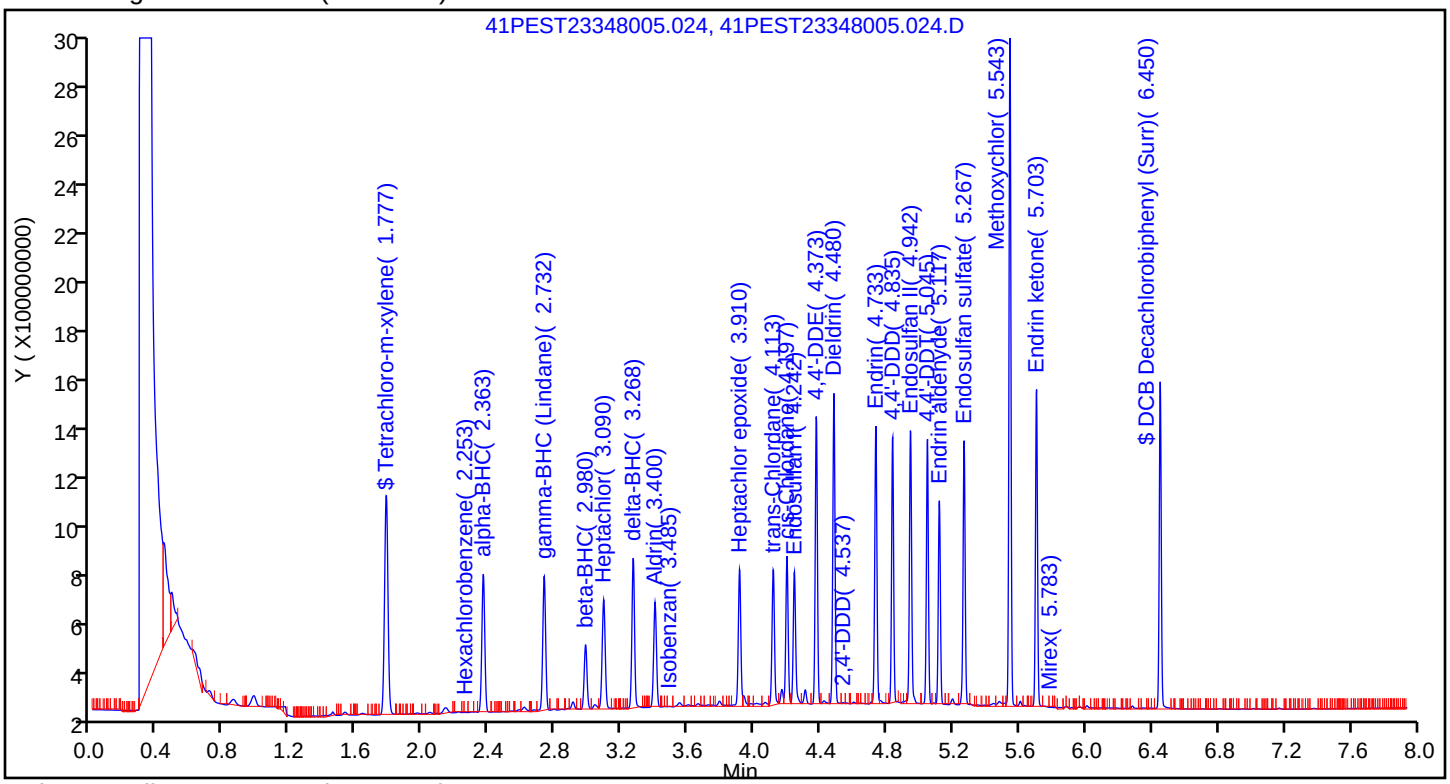
Client ID: MW-3-UF-20231212 MS/MSD

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 24

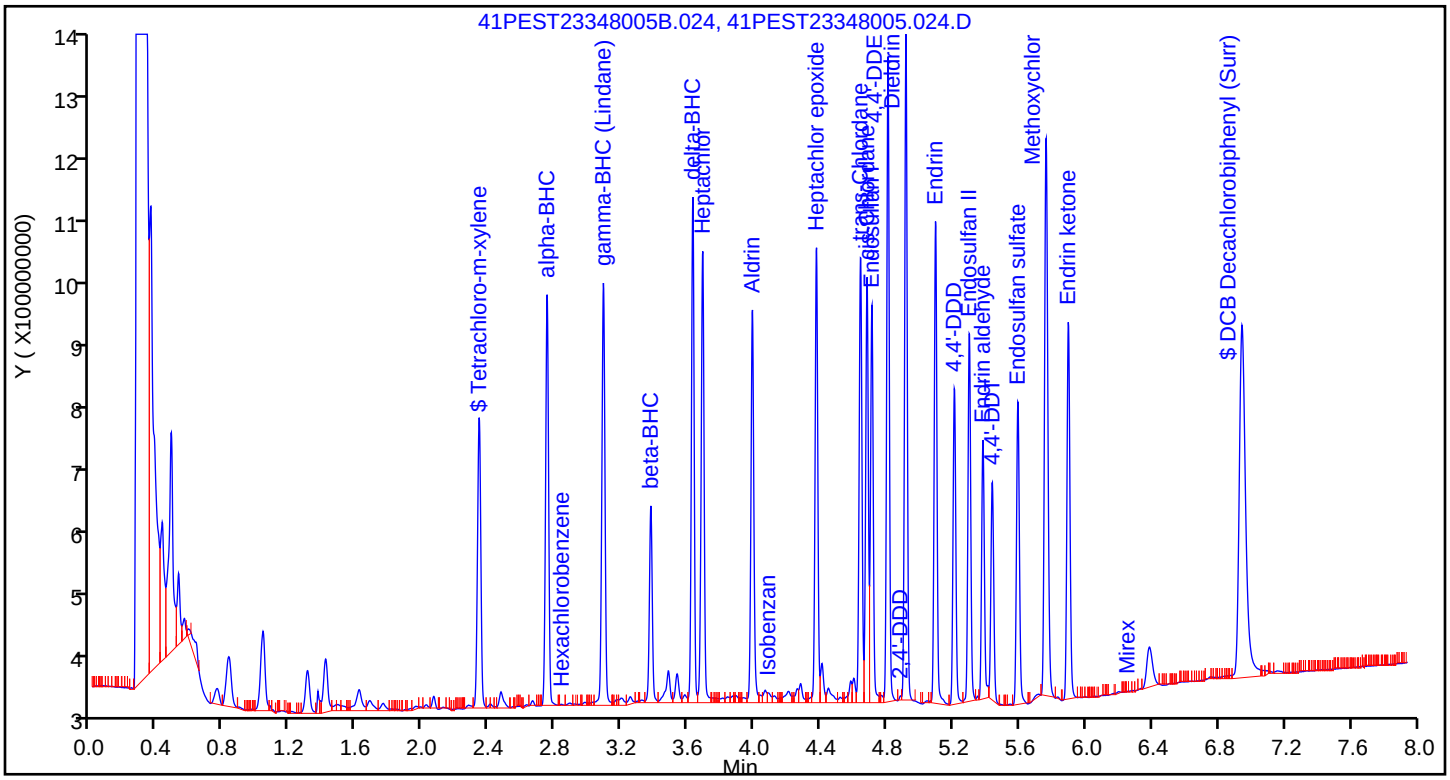
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.024.D				
Lims ID:	410-154654-A-1-A MS				
Client ID:	MW-3-UF-20231212 MS/MSD				
Sample Type:	MS				
Inject. Date:	20-Dec-2023 08:02:00	ALS Bottle#:	0	Worklist Smp#:	24
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-1-A MS				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:18:42		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.7	71.51
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	10.8	72.08

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.8	71.81
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.3	75.53

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-F-20231212 MS/MSD MS
Lab Sample ID: 410-154654-2 MS

Matrix: Water
Lab File ID: 41PEST23348005.027.D

Analysis Method: 8081B
Date Collected: 12/12/2023 09:36

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 248.6(mL)
Date Analyzed: 12/20/2023 08:45

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0628		0.020	0.0020
319-84-6	alpha-BHC	0.0789		0.020	0.0030
5103-71-9	alpha-Chlordane	0.0802		0.020	0.0030
319-85-7	beta-BHC	0.0981		0.030	0.011
319-86-8	delta-BHC	0.0828		0.020	0.0034
60-57-1	Dieldrin	0.170		0.030	0.0053
959-98-8	Endosulfan I	0.0848		0.020	0.0043
33213-65-9	Endosulfan II	0.170		0.040	0.015
1031-07-8	Endosulfan sulfate	0.173		0.030	0.0058
72-20-8	Endrin	0.171		0.030	0.0081
7421-93-4	Endrin aldehyde	0.157		0.10	0.020
53494-70-5	Endrin ketone	0.181		0.030	0.0050
58-89-9	gamma-BHC (Lindane)	0.0857		0.020	0.0020
5103-74-2	gamma-Chlordane	0.0781		0.040	0.0070
76-44-8	Heptachlor	0.0751		0.020	0.0020
1024-57-3	Heptachlor epoxide	0.0825		0.020	0.0023
72-43-5	Methoxychlor	0.970		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	0.172		0.030	0.0050
72-55-9	p,p'-DDE	0.158		0.030	0.0050
50-29-3	p,p'-DDT	0.188		0.030	0.0052

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	70		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	69		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.027.D
Lims ID: 410-154654-A-2-A MS
Client ID: MW-3-F-20231212 MS/MSD
Sample Type: MS
Inject. Date: 20-Dec-2023 08:45:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-2-A MS
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:17:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.775	1.778	-0.003	845626191H	15.0	10.3	
2	2.337	2.340	-0.003	417284040H	15.0	10.5	
						RPD = 1.83	
2 alpha-BHC							
1	2.360	2.363	-0.003	500426822H	5.00	3.92	
2	2.748	2.750	-0.002	568415304H	5.00	3.91	
						RPD = 0.37	
3 Hexachlorobenzene							
1	2.267	2.270	-0.003	106201H		0.000891	
2	2.833	2.833	0.000	1023998H		0.005338	
						RPD = 142.80	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	525642617H	5.00	4.26	
2	3.087	3.088	-0.001	593458848H	5.00	4.01	
						RPD = 5.91	
5 beta-BHC							
1	2.977	2.982	-0.005	258544906H	5.00	4.88	
2	3.373	3.375	-0.002	270738452H	5.00	4.66	
						RPD = 4.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.265	3.268	-0.003	578208084H	5.00	4.12	
2	3.627	3.628	-0.001	720922252H	5.00	3.97	
						RPD = 3.65	
8 Heptachlor							
1	3.087	3.090	-0.003	410456745H	5.00	3.73	
2	3.687	3.688	-0.001	594012449H	5.00	3.48	
						RPD = 7.03	
9 Aldrin							
1	3.397	3.400	-0.003	389860040H	5.00	3.12	
2	3.987	3.988	-0.001	518492128H	5.00	3.01	
						RPD = 3.79	
10 Isobenzan							
1	3.528	3.510	0.018	6753964H		0.0693	
2	4.097	4.102	-0.005	1881413H		0.0141	
						RPD = 132.50	
11 Heptachlor epoxide							
1	3.907	3.910	-0.003	503540789H	5.00	4.10	
2	4.373	4.375	-0.002	627939023H	5.00	4.05	
						RPD = 1.20	
12 2,4'-DDE							
1	4.148	4.120	0.028	6534053H		0.0735	
2	4.520	4.515	0.005	1348995H		0.0162	
						RPD = 127.72	
13 trans-Chlordane							
1	4.110	4.113	-0.003	498686333H	5.00	3.88	
2	4.638	4.640	-0.002	532928857H	5.00	3.81	
						RPD = 1.99	
14 cis-Chlordane							
1	4.193	4.197	-0.004	508030267H	5.00	3.99	
2	4.678	4.680	-0.002	539558813H	5.00	3.91	
						RPD = 1.96	
15 Endosulfan I							
1	4.238	4.242	-0.004	498678011H	5.00	4.22	
2	4.708	4.710	-0.002	537096919H	5.00	3.97	
						RPD = 5.97	
16 4,4'-DDE							
1	4.372	4.373	-0.001	1111206730H	10.0	7.84	
2	4.805	4.807	-0.002	886029942H	10.0	7.46	
						RPD = 4.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1		4.538				ND	
2		4.885					
18 Dieldrin							
1	4.477	4.480	-0.003	1174458092H	10.0	8.45	
2	4.913	4.915	-0.002	915927156H	10.0	7.74	
						RPD = 8.84	
19 Endrin							
1	4.730	4.733	-0.003	1074406596H	10.0	8.51	
2	5.092	5.093	-0.001	669666190H	10.0	7.60	
						RPD = 11.33	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1		4.762				ND	
2		5.123					
22 4,4'-DDD							
1	4.832	4.835	-0.003	1025780361H	10.0	8.54	
2	5.207	5.208	-0.001	431635910H	10.0	7.81	
						RPD = 8.90	
23 Endosulfan II							
1	4.940	4.942	-0.002	1046555096H	10.0	8.45	
2	5.297	5.298	-0.001	513383979H	10.0	8.29	
						RPD = 1.89	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	793391323H	10.0	7.81	
2	5.378	5.380	-0.002	367993091H	10.0	7.92	
						RPD = 1.34	
26 4,4'-DDT							
1	5.042	5.043	-0.001	984684986H	10.0	9.34	
2	5.435	5.437	-0.002	301484899H	10.0	8.69	
						RPD = 7.26	
24 Kepone							
1		4.990				ND	
2		5.490					
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	1012936965H	10.0	8.59	
2	5.588	5.592	-0.004	429432593H	10.0	8.73	
						RPD = 1.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.540	5.543	-0.003	2597714144H	50.0	48.2	
2	5.758	5.762	-0.004	809182661H	50.0	44.1	
						RPD = 8.98	
29 Endrin ketone							
1	5.700	5.702	-0.002	1228161158H	10.0	9.02	
2	5.893	5.897	-0.004	544725881H	10.0	9.19	
						RPD = 1.87	
30 Mirex							
1	5.802	5.793	0.009	151017H		0.001827	
2	6.253	6.257	-0.004	155479H		0.004573	
						RPD = 85.82	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.447	6.450	-0.003	1278946302H	15.0	10.6	
2	6.942	6.945	-0.003	516769621H	15.0	11.3	
						RPD = 6.71	
S 32 Total DDTs							
1						9.34	
2						8.69	
						RPD = 7.26	
S 33 Endosulfan, Total							
1						12.7	
2						12.3	
						RPD = 3.23	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:57 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.027.D

Injection Date: 20-Dec-2023 08:45:00 Instrument ID: 9147

Lims ID: 410-154654-A-2-A MS

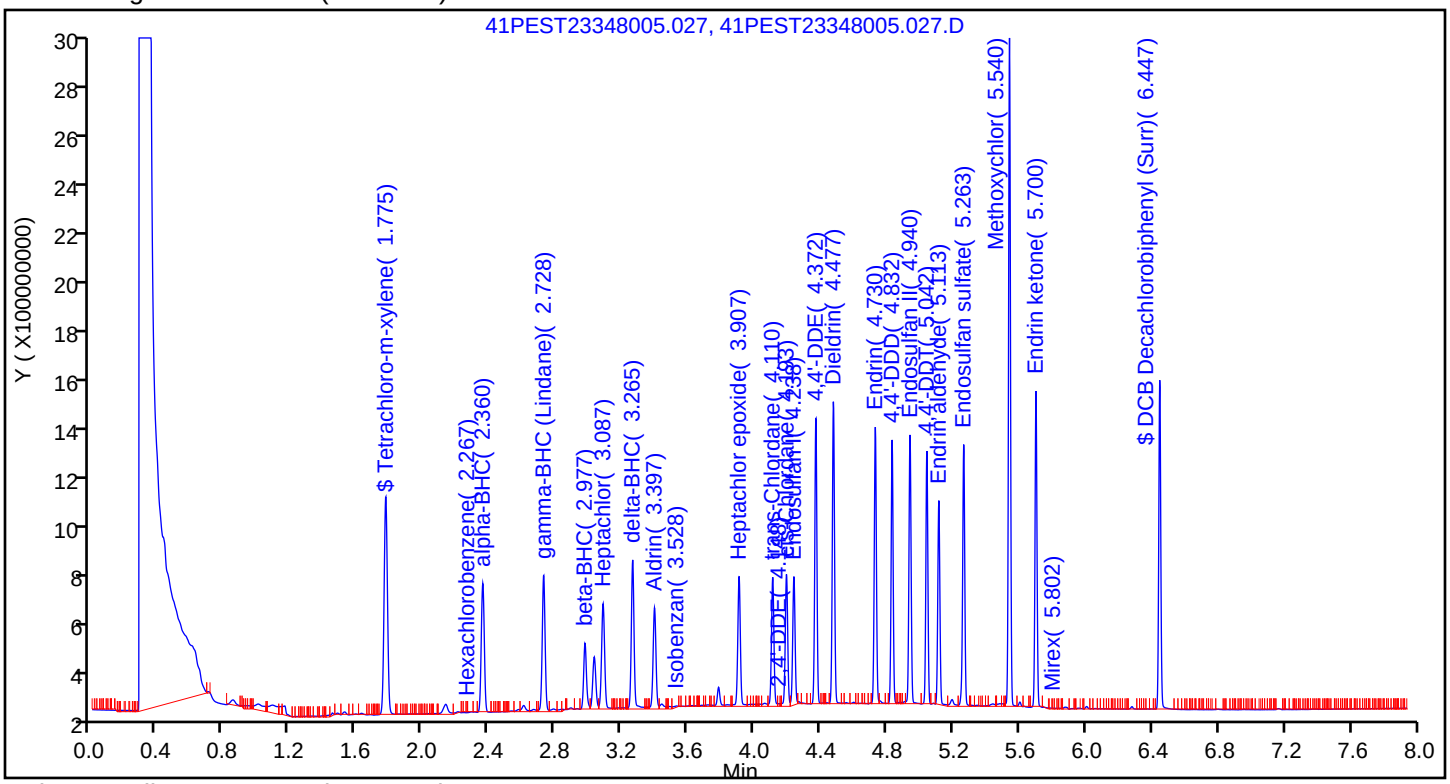
Client ID: MW-3-F-20231212 MS/MSD

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

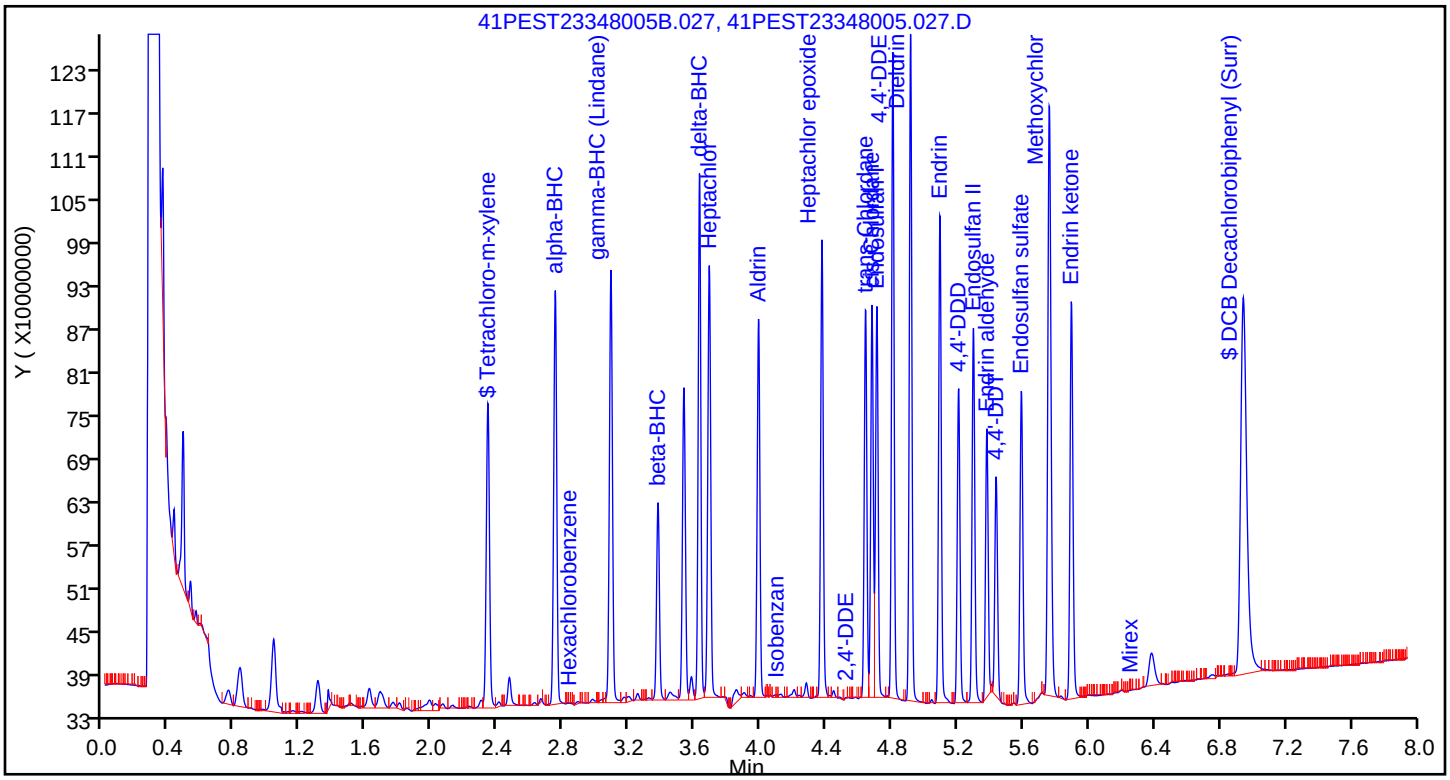
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.027.D				
Lims ID:	410-154654-A-2-A MS				
Client ID:	MW-3-F-20231212 MS/MSD				
Sample Type:	MS				
Inject. Date:	20-Dec-2023 08:45:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-2-A MS				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:17:37		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.3	68.83
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	10.6	70.33

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.5	70.10
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.3	75.22

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-F-20231212 MS/MSD MS Lab Sample ID: 410-154654-2 MS

Matrix: Water Lab File ID: 41PEST23348005.027.D

Analysis Method: 8081B Date Collected: 12/12/2023 09:36

Extraction Method: 3510C Date Extracted: 12/18/2023 10:00

Sample wt/vol: 248.6(mL) Date Analyzed: 12/20/2023 08:45

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	75		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	70		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.027.D
Lims ID: 410-154654-A-2-A MS
Client ID: MW-3-F-20231212 MS/MSD
Sample Type: MS
Inject. Date: 20-Dec-2023 08:45:00 ALS Bottle#: 0 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-2-A MS
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:17:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.775	1.778	-0.003	845626191H	15.0	10.3	
2	2.337	2.340	-0.003	417284040H	15.0	10.5	
						RPD = 1.83	
2 alpha-BHC							
1	2.360	2.363	-0.003	500426822H	5.00	3.92	
2	2.748	2.750	-0.002	568415304H	5.00	3.91	
						RPD = 0.37	
3 Hexachlorobenzene							
1	2.267	2.270	-0.003	106201H		0.000891	
2	2.833	2.833	0.000	1023998H		0.005338	
						RPD = 142.80	
4 gamma-BHC (Lindane)							
1	2.728	2.732	-0.004	525642617H	5.00	4.26	
2	3.087	3.088	-0.001	593458848H	5.00	4.01	
						RPD = 5.91	
5 beta-BHC							
1	2.977	2.982	-0.005	258544906H	5.00	4.88	
2	3.373	3.375	-0.002	270738452H	5.00	4.66	
						RPD = 4.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.265	3.268	-0.003	578208084H	5.00	4.12	
2	3.627	3.628	-0.001	720922252H	5.00	3.97	
						RPD = 3.65	
8 Heptachlor							
1	3.087	3.090	-0.003	410456745H	5.00	3.73	
2	3.687	3.688	-0.001	594012449H	5.00	3.48	
						RPD = 7.03	
9 Aldrin							
1	3.397	3.400	-0.003	389860040H	5.00	3.12	
2	3.987	3.988	-0.001	518492128H	5.00	3.01	
						RPD = 3.79	
10 Isobenzan							
1	3.528	3.510	0.018	6753964H		0.0693	
2	4.097	4.102	-0.005	1881413H		0.0141	
						RPD = 132.50	
11 Heptachlor epoxide							
1	3.907	3.910	-0.003	503540789H	5.00	4.10	
2	4.373	4.375	-0.002	627939023H	5.00	4.05	
						RPD = 1.20	
12 2,4'-DDE							
1	4.148	4.120	0.028	6534053H		0.0735	
2	4.520	4.515	0.005	1348995H		0.0162	
						RPD = 127.72	
13 trans-Chlordane							
1	4.110	4.113	-0.003	498686333H	5.00	3.88	
2	4.638	4.640	-0.002	532928857H	5.00	3.81	
						RPD = 1.99	
14 cis-Chlordane							
1	4.193	4.197	-0.004	508030267H	5.00	3.99	
2	4.678	4.680	-0.002	539558813H	5.00	3.91	
						RPD = 1.96	
15 Endosulfan I							
1	4.238	4.242	-0.004	498678011H	5.00	4.22	
2	4.708	4.710	-0.002	537096919H	5.00	3.97	
						RPD = 5.97	
16 4,4'-DDE							
1	4.372	4.373	-0.001	1111206730H	10.0	7.84	
2	4.805	4.807	-0.002	886029942H	10.0	7.46	
						RPD = 4.95	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1		4.538				ND	
2		4.885					
18 Dieldrin							
1	4.477	4.480	-0.003	1174458092H	10.0	8.45	
2	4.913	4.915	-0.002	915927156H	10.0	7.74	
						RPD = 8.84	
19 Endrin							
1	4.730	4.733	-0.003	1074406596H	10.0	8.51	
2	5.092	5.093	-0.001	669666190H	10.0	7.60	
						RPD = 11.33	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1		4.762				ND	
2		5.123					
22 4,4'-DDD							
1	4.832	4.835	-0.003	1025780361H	10.0	8.54	
2	5.207	5.208	-0.001	431635910H	10.0	7.81	
						RPD = 8.90	
23 Endosulfan II							
1	4.940	4.942	-0.002	1046555096H	10.0	8.45	
2	5.297	5.298	-0.001	513383979H	10.0	8.29	
						RPD = 1.89	
25 Endrin aldehyde							
1	5.113	5.117	-0.004	793391323H	10.0	7.81	
2	5.378	5.380	-0.002	367993091H	10.0	7.92	
						RPD = 1.34	
26 4,4'-DDT							
1	5.042	5.043	-0.001	984684986H	10.0	9.34	
2	5.435	5.437	-0.002	301484899H	10.0	8.69	
						RPD = 7.26	
24 Kepone							
1		4.990				ND	
2		5.490					
27 Endosulfan sulfate							
1	5.263	5.267	-0.004	1012936965H	10.0	8.59	
2	5.588	5.592	-0.004	429432593H	10.0	8.73	
						RPD = 1.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.540	5.543	-0.003	2597714144H	50.0	48.2	
2	5.758	5.762	-0.004	809182661H	50.0	44.1	
						RPD = 8.98	
29 Endrin ketone							
1	5.700	5.702	-0.002	1228161158H	10.0	9.02	
2	5.893	5.897	-0.004	544725881H	10.0	9.19	
						RPD = 1.87	
30 Mirex							
1	5.802	5.793	0.009	151017H		0.001827	
2	6.253	6.257	-0.004	155479H		0.004573	
						RPD = 85.82	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.447	6.450	-0.003	1278946302H	15.0	10.6	
2	6.942	6.945	-0.003	516769621H	15.0	11.3	
						RPD = 6.71	
S 32 Total DDTs							
1						9.34	
2						8.69	
						RPD = 7.26	
S 33 Endosulfan, Total							
1						12.7	
2						12.3	
						RPD = 3.23	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:57 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.027.D

Injection Date: 20-Dec-2023 08:45:00 Instrument ID: 9147

Lims ID: 410-154654-A-2-A MS

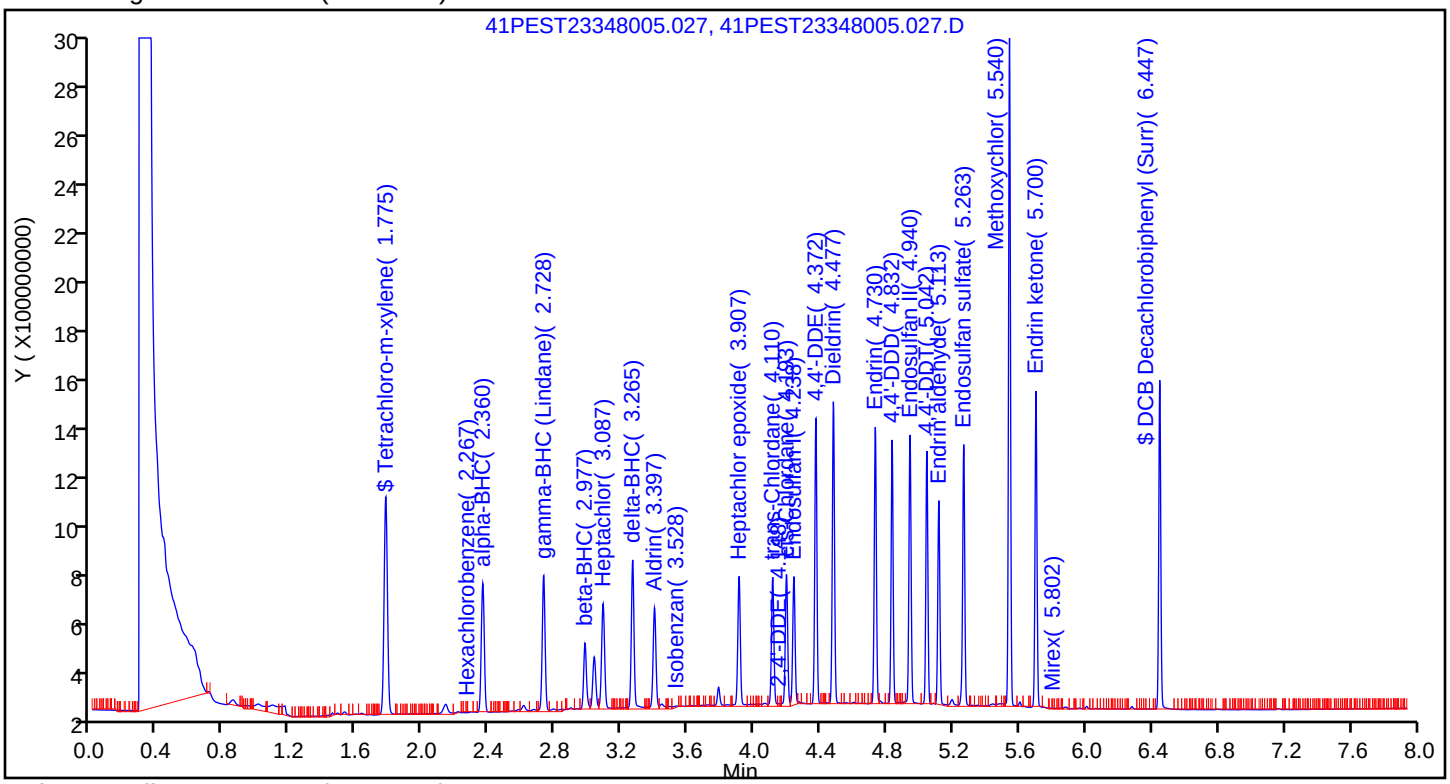
Client ID: MW-3-F-20231212 MS/MSD

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 27

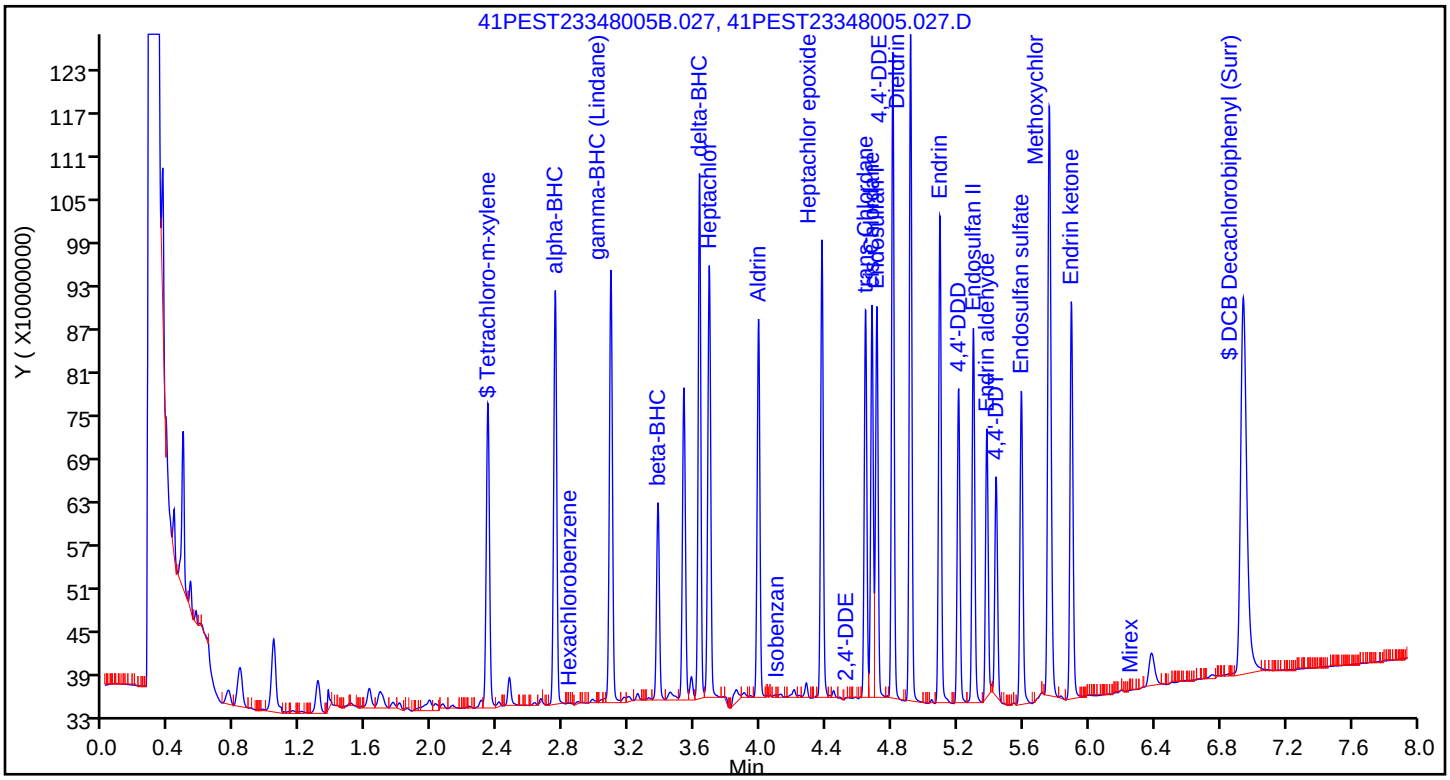
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.027.D				
Lims ID:	410-154654-A-2-A MS				
Client ID:	MW-3-F-20231212 MS/MSD				
Sample Type:	MS				
Inject. Date:	20-Dec-2023 08:45:00	ALS Bottle#:	0	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-2-A MS				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:17:37		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.3	68.83
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	10.6	70.33

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.5	70.10
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.3	75.22

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-UF-20231212 MS/MSD MSD
Lab Sample ID: 410-154654-1 MSD

Matrix: Water
Lab File ID: 41PEST23348005.025.D

Analysis Method: 8081B
Date Collected: 12/12/2023 09:31

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 246.1(mL)
Date Analyzed: 12/20/2023 08:16

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0725		0.020	0.0020
319-84-6	alpha-BHC	0.0927		0.020	0.0030
5103-71-9	alpha-Chlordane	0.0973		0.020	0.0030
319-85-7	beta-BHC	0.107		0.030	0.011
319-86-8	delta-BHC	0.0919		0.020	0.0035
60-57-1	Dieldrin	0.190		0.030	0.0054
959-98-8	Endosulfan I	0.0953		0.020	0.0044
33213-65-9	Endosulfan II	0.194		0.041	0.015
1031-07-8	Endosulfan sulfate	0.192		0.030	0.0059
72-20-8	Endrin	0.190		0.030	0.0082
7421-93-4	Endrin aldehyde	0.173		0.10	0.020
53494-70-5	Endrin ketone	0.203		0.030	0.0051
58-89-9	gamma-BHC (Lindane)	0.0943		0.020	0.0020
5103-74-2	gamma-Chlordane	0.0902		0.041	0.0071
76-44-8	Heptachlor	0.0841		0.020	0.0020
1024-57-3	Heptachlor epoxide	0.0962		0.020	0.0023
72-43-5	Methoxychlor	1.08		0.11	0.030
8001-35-2	Toxaphene	ND		1.0	0.30
72-54-8	p,p'-DDD	0.194		0.030	0.0051
72-55-9	p,p'-DDE	0.170		0.030	0.0051
50-29-3	p,p'-DDT	0.210		0.030	0.0053

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	76		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	77		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.025.D
Lims ID: 410-154654-A-1-B MSD
Client ID: MW-3-UF-20231212 MS/MSD
Sample Type: MSD
Inject. Date: 20-Dec-2023 08:16:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-1-B MSD
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:18:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.778	0.000	949481384H	15.0	11.6	
2	2.335	2.340	-0.005	460646453H	15.0	11.6	
						RPD = 0.14	
2 alpha-BHC							
1	2.365	2.363	0.002	582336074H	5.00	4.56	
2	2.745	2.750	-0.005	627553321H	5.00	4.31	
						RPD = 5.63	
3 Hexachlorobenzene							
1	2.263	2.270	-0.007	3648722H		0.0306	
2	2.825	2.833	-0.008	1228447H		0.006404	
						RPD = 130.78	
4 gamma-BHC (Lindane)							
1	2.732	2.732	0.000	572785390H	5.00	4.64	
2	3.085	3.088	-0.003	655050828H	5.00	4.43	
						RPD = 4.63	
5 beta-BHC							
1	2.982	2.982	0.000	278993386H	5.00	5.26	
2	3.372	3.375	-0.003	305998903H	5.00	5.27	
						RPD = 0.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.270	3.268	0.002	635189930H	5.00	4.52	
2	3.625	3.628	-0.003	787677081H	5.00	4.34	
						RPD = 4.20	
8 Heptachlor							
1	3.092	3.090	0.002	455248011H	5.00	4.14	
2	3.683	3.688	-0.005	672603642H	5.00	3.94	
						RPD = 4.96	
9 Aldrin							
1	3.402	3.400	0.002	445432370H	5.00	3.57	
2	3.985	3.988	-0.003	580469822H	5.00	3.37	
						RPD = 5.82	
10 Isobenzan							
1	3.487	3.510	-0.023	12945397H		0.1329	
2	4.115	4.102	0.013	7259555H		0.0543	
						RPD = 83.95	
11 Heptachlor epoxide							
1	3.912	3.910	0.002	581842777H	5.00	4.74	
2	4.370	4.375	-0.005	703619430H	5.00	4.54	
						RPD = 4.28	
12 2,4'-DDE							
1		4.120				ND	
2		4.515					
13 trans-Chlordane							
1	4.115	4.113	0.002	570435858H	5.00	4.44	
2	4.637	4.640	-0.003	681623934H	5.00	4.87	
						RPD = 9.17	
14 cis-Chlordane							
1	4.198	4.197	0.001	610082586H	5.00	4.79	
2	4.677	4.680	-0.003	646501857H	5.00	4.68	
						RPD = 2.18	
15 Endosulfan I							
1	4.243	4.242	0.001	554859766H	5.00	4.69	
2	4.705	4.710	-0.005	600425617H	5.00	4.44	
						RPD = 5.50	
16 4,4'-DDE							
1	4.375	4.373	0.002	1186206644H	10.0	8.37	
2	4.803	4.807	-0.004	978594774H	10.0	8.24	
						RPD = 1.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.538	4.538	0.000	16101503H		0.1941	
2	4.878	4.885	-0.007	6012227H		0.1277	
						RPD = 41.22	
18 Dieldrin							
1	4.482	4.480	0.002	1300347360H	10.0	9.36	
2	4.912	4.915	-0.003	1001132800H	10.0	8.46	
						RPD = 10.12	
19 Endrin							
1	4.733	4.733	0.000	1178069217H	10.0	9.33	
2	5.090	5.093	-0.003	743487265H	10.0	8.44	
						RPD = 10.08	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1		4.762				ND	
2		5.123					
22 4,4'-DDD							
1	4.835	4.835	0.000	1147892226H	10.0	9.56	
2	5.203	5.208	-0.005	492456031H	10.0	8.92	
						RPD = 6.97	
23 Endosulfan II							
1	4.943	4.942	0.001	1185995304H	10.0	9.57	
2	5.293	5.298	-0.005	562087860H	10.0	9.07	
						RPD = 5.34	
25 Endrin aldehyde							
1	5.118	5.117	0.001	864505188H	10.0	8.51	
2	5.377	5.380	-0.003	400865036H	10.0	8.62	
						RPD = 1.31	
26 4,4'-DDT							
1	5.045	5.043	0.002	1091259938H	10.0	10.4	
2	5.433	5.437	-0.004	338969918H	10.0	9.77	
						RPD = 5.81	
24 Kepone							
1	4.990	4.990	0.000	7193249H		0.1056	
2	5.493	5.490	0.003	637001H		0.0290	
						RPD = 113.87	
27 Endosulfan sulfate							
1	5.267	5.267	0.000	1117464406H	10.0	9.47	
2	5.587	5.592	-0.005	469172062H	10.0	9.54	
						RPD = 0.71	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.543	5.543	0.000	2875710938H	50.0	53.4	
2	5.758	5.762	-0.004	878264002H	50.0	47.8	
						RPD = 10.95	
29 Endrin ketone							
1	5.703	5.702	0.001	1363274563H	10.0	10.0	
2	5.892	5.897	-0.005	593510882H	10.0	10.0	
						RPD = 0.01	
30 Mirex							
1	5.792	5.793	-0.001	574469H		0.006949	
2	6.250	6.257	-0.007	260341H		0.007657	
						RPD = 9.69	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.452	6.450	0.002	1376293429H	15.0	11.4	
2	6.940	6.945	-0.005	543480247H	15.0	11.9	
						RPD = 4.42	
S 32 Total DDTs							
1						10.4	
2						9.77	
						RPD = 5.81	
S 33 Endosulfan, Total							
1						14.3	
2						13.5	
						RPD = 5.39	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:52 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.025.D

Injection Date: 20-Dec-2023 08:16:00 Instrument ID: 9147

Lims ID: 410-154654-A-1-B MSD

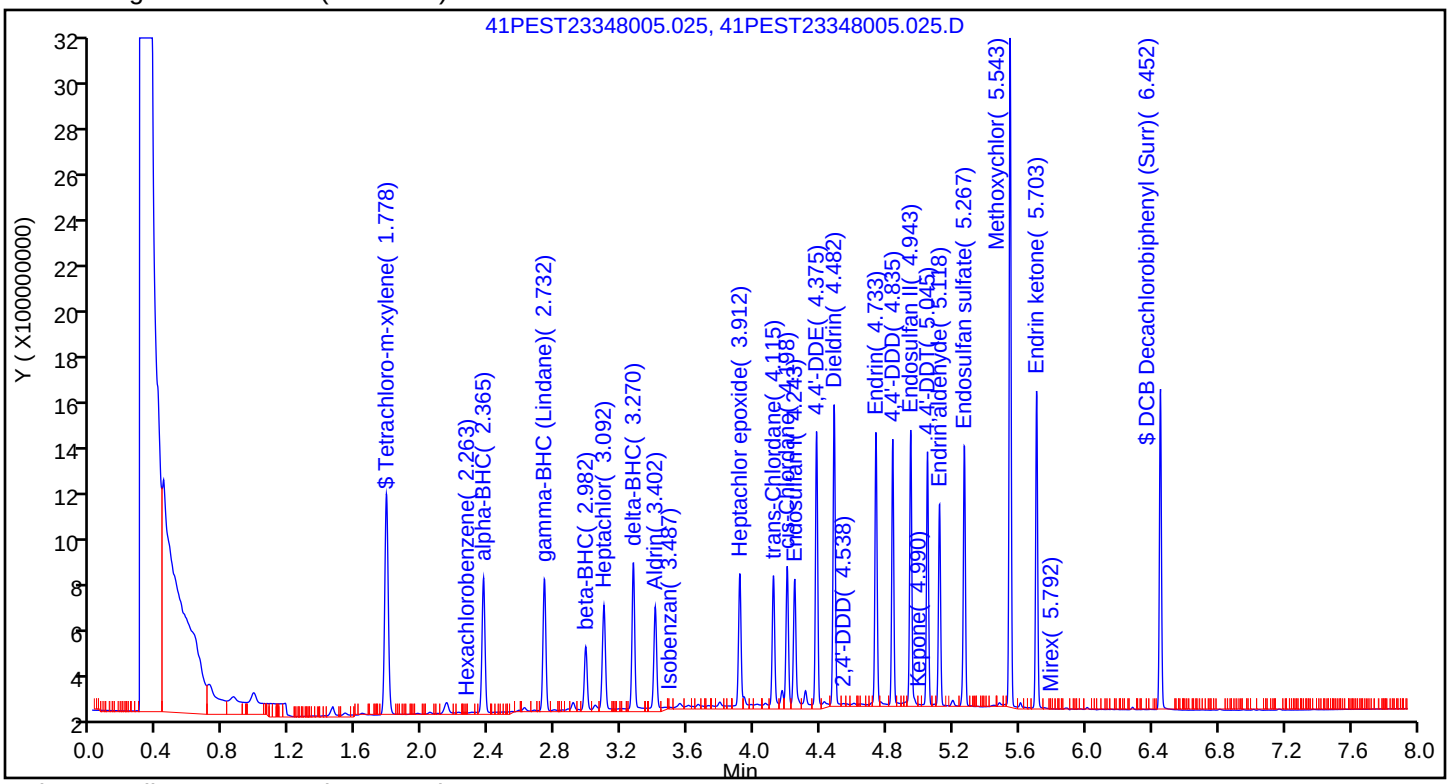
Client ID: MW-3-UF-20231212 MS/MSD

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 25

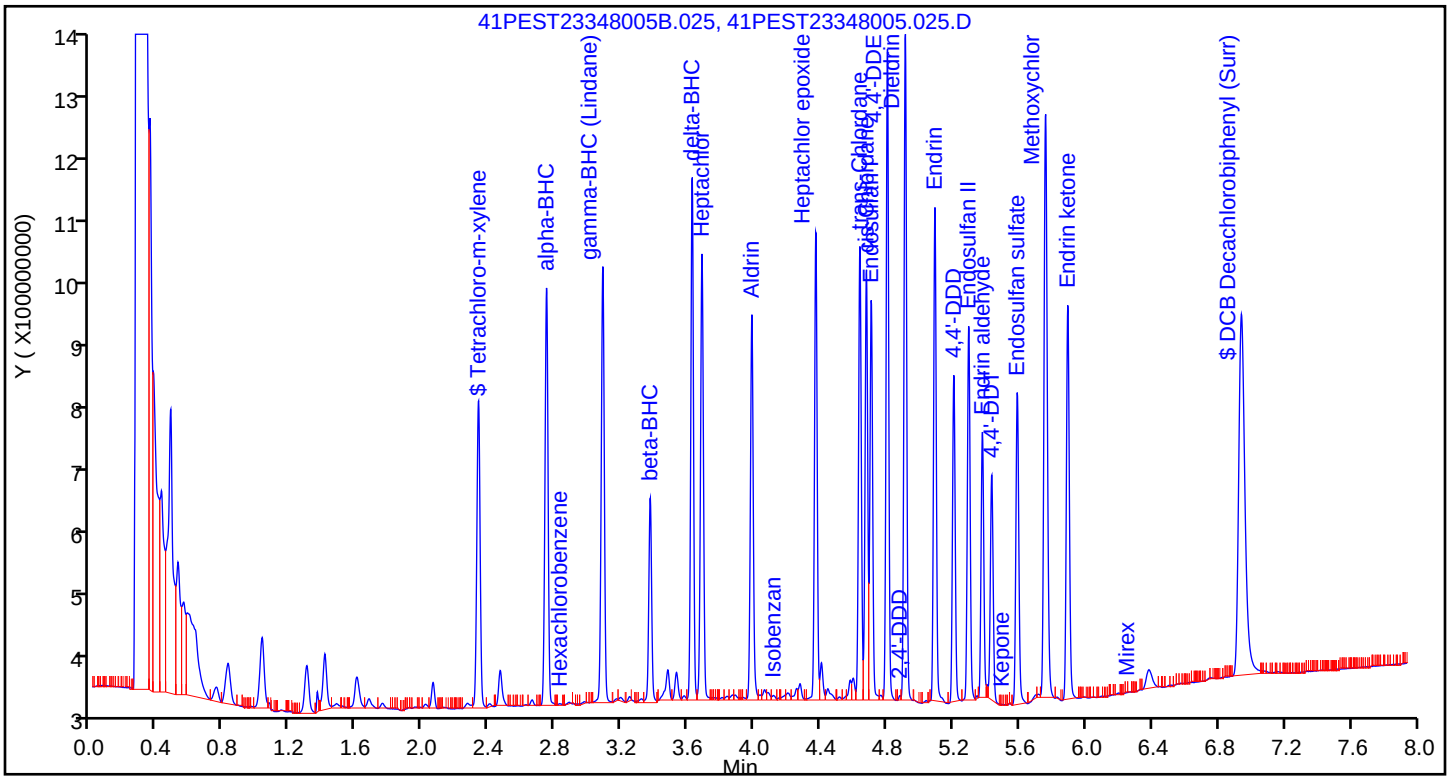
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.025.D				
Lims ID:	410-154654-A-1-B MSD				
Client ID:	MW-3-UF-20231212 MS/MSD				
Sample Type:	MSD				
Inject. Date:	20-Dec-2023 08:16:00	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-1-B MSD				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:18:10		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.6	77.28
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.4	75.68

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.6	77.38
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.9	79.10

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-UF-20231212 MS/MSD MSD
Lab Sample ID: 410-154654-1 MSD

Matrix: Water
Lab File ID: 41PEST23348005.025.D

Analysis Method: 8081B
Date Collected: 12/12/2023 09:31

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 246.1(mL)
Date Analyzed: 12/20/2023 08:16

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	79		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	77		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.025.D
Lims ID: 410-154654-A-1-B MSD
Client ID: MW-3-UF-20231212 MS/MSD
Sample Type: MSD
Inject. Date: 20-Dec-2023 08:16:00 ALS Bottle#: 0 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-1-B MSD
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:18:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.778	1.778	0.000	949481384H	15.0	11.6	
2	2.335	2.340	-0.005	460646453H	15.0	11.6	
						RPD = 0.14	
2 alpha-BHC							
1	2.365	2.363	0.002	582336074H	5.00	4.56	
2	2.745	2.750	-0.005	627553321H	5.00	4.31	
						RPD = 5.63	
3 Hexachlorobenzene							
1	2.263	2.270	-0.007	3648722H		0.0306	
2	2.825	2.833	-0.008	1228447H		0.006404	
						RPD = 130.78	
4 gamma-BHC (Lindane)							
1	2.732	2.732	0.000	572785390H	5.00	4.64	
2	3.085	3.088	-0.003	655050828H	5.00	4.43	
						RPD = 4.63	
5 beta-BHC							
1	2.982	2.982	0.000	278993386H	5.00	5.26	
2	3.372	3.375	-0.003	305998903H	5.00	5.27	
						RPD = 0.10	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.270	3.268	0.002	635189930H	5.00	4.52	
2	3.625	3.628	-0.003	787677081H	5.00	4.34	
						RPD = 4.20	
8 Heptachlor							
1	3.092	3.090	0.002	455248011H	5.00	4.14	
2	3.683	3.688	-0.005	672603642H	5.00	3.94	
						RPD = 4.96	
9 Aldrin							
1	3.402	3.400	0.002	445432370H	5.00	3.57	
2	3.985	3.988	-0.003	580469822H	5.00	3.37	
						RPD = 5.82	
10 Isobenzan							
1	3.487	3.510	-0.023	12945397H		0.1329	
2	4.115	4.102	0.013	7259555H		0.0543	
						RPD = 83.95	
11 Heptachlor epoxide							
1	3.912	3.910	0.002	581842777H	5.00	4.74	
2	4.370	4.375	-0.005	703619430H	5.00	4.54	
						RPD = 4.28	
12 2,4'-DDE							
1		4.120				ND	
2		4.515					
13 trans-Chlordane							
1	4.115	4.113	0.002	570435858H	5.00	4.44	
2	4.637	4.640	-0.003	681623934H	5.00	4.87	
						RPD = 9.17	
14 cis-Chlordane							
1	4.198	4.197	0.001	610082586H	5.00	4.79	
2	4.677	4.680	-0.003	646501857H	5.00	4.68	
						RPD = 2.18	
15 Endosulfan I							
1	4.243	4.242	0.001	554859766H	5.00	4.69	
2	4.705	4.710	-0.005	600425617H	5.00	4.44	
						RPD = 5.50	
16 4,4'-DDE							
1	4.375	4.373	0.002	1186206644H	10.0	8.37	
2	4.803	4.807	-0.004	978594774H	10.0	8.24	
						RPD = 1.54	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1	4.538	4.538	0.000	16101503H		0.1941	
2	4.878	4.885	-0.007	6012227H		0.1277	
						RPD = 41.22	
18 Dieldrin							
1	4.482	4.480	0.002	1300347360H	10.0	9.36	
2	4.912	4.915	-0.003	1001132800H	10.0	8.46	
						RPD = 10.12	
19 Endrin							
1	4.733	4.733	0.000	1178069217H	10.0	9.33	
2	5.090	5.093	-0.003	743487265H	10.0	8.44	
						RPD = 10.08	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1		4.762				ND	
2		5.123					
22 4,4'-DDD							
1	4.835	4.835	0.000	1147892226H	10.0	9.56	
2	5.203	5.208	-0.005	492456031H	10.0	8.92	
						RPD = 6.97	
23 Endosulfan II							
1	4.943	4.942	0.001	1185995304H	10.0	9.57	
2	5.293	5.298	-0.005	562087860H	10.0	9.07	
						RPD = 5.34	
25 Endrin aldehyde							
1	5.118	5.117	0.001	864505188H	10.0	8.51	
2	5.377	5.380	-0.003	400865036H	10.0	8.62	
						RPD = 1.31	
26 4,4'-DDT							
1	5.045	5.043	0.002	1091259938H	10.0	10.4	
2	5.433	5.437	-0.004	338969918H	10.0	9.77	
						RPD = 5.81	
24 Kepone							
1	4.990	4.990	0.000	7193249H		0.1056	
2	5.493	5.490	0.003	637001H		0.0290	
						RPD = 113.87	
27 Endosulfan sulfate							
1	5.267	5.267	0.000	1117464406H	10.0	9.47	
2	5.587	5.592	-0.005	469172062H	10.0	9.54	
						RPD = 0.71	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.543	5.543	0.000	2875710938H	50.0	53.4	
2	5.758	5.762	-0.004	878264002H	50.0	47.8	
						RPD = 10.95	
29 Endrin ketone							
1	5.703	5.702	0.001	1363274563H	10.0	10.0	
2	5.892	5.897	-0.005	593510882H	10.0	10.0	
						RPD = 0.01	
30 Mirex							
1	5.792	5.793	-0.001	574469H		0.006949	
2	6.250	6.257	-0.007	260341H		0.007657	
						RPD = 9.69	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.452	6.450	0.002	1376293429H	15.0	11.4	
2	6.940	6.945	-0.005	543480247H	15.0	11.9	
						RPD = 4.42	
S 32 Total DDTs							
1						10.4	
2						9.77	
						RPD = 5.81	
S 33 Endosulfan, Total							
1						14.3	
2						13.5	
						RPD = 5.39	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:53 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.025.D

Injection Date: 20-Dec-2023 08:16:00 Instrument ID: 9147

Lims ID: 410-154654-A-1-B MSD

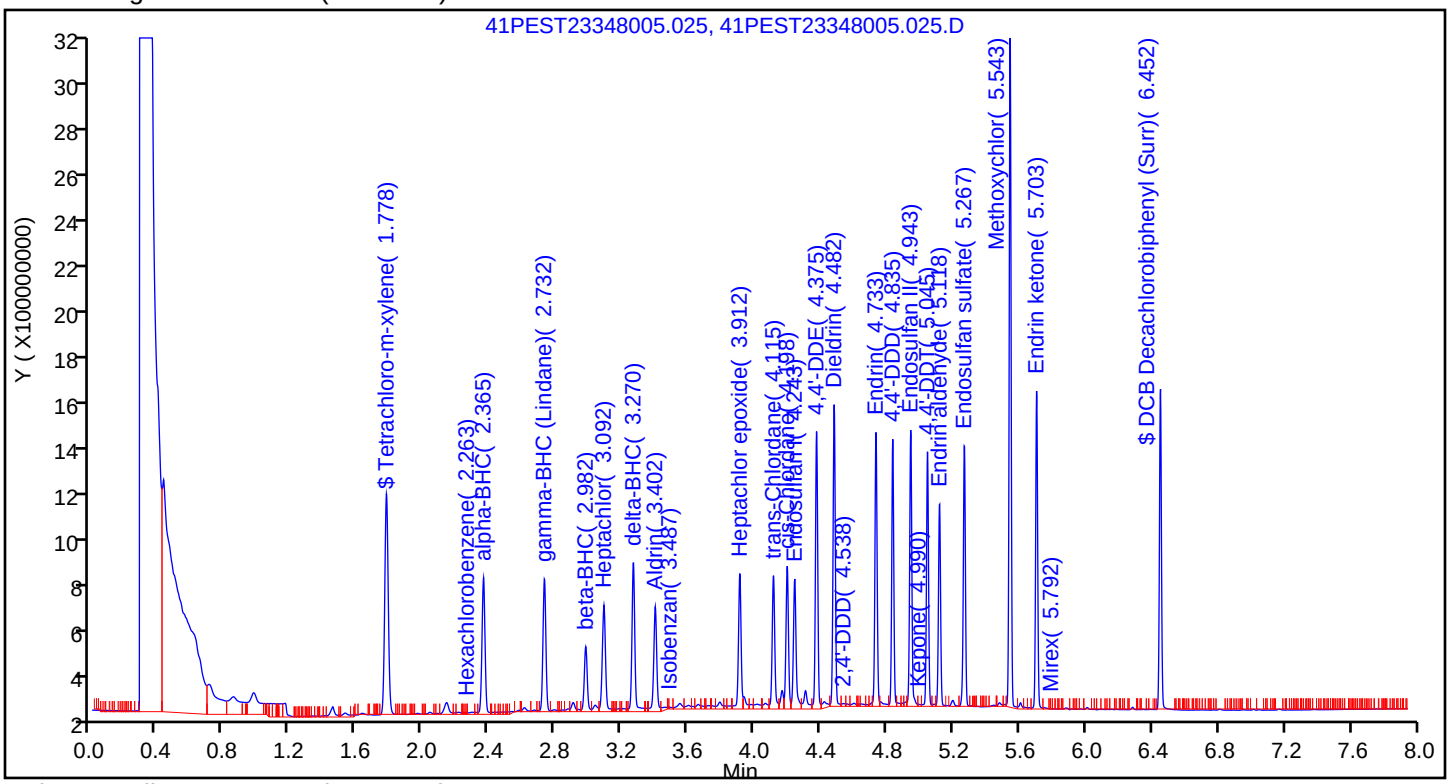
Client ID: MW-3-UF-20231212 MS/MSD

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 25

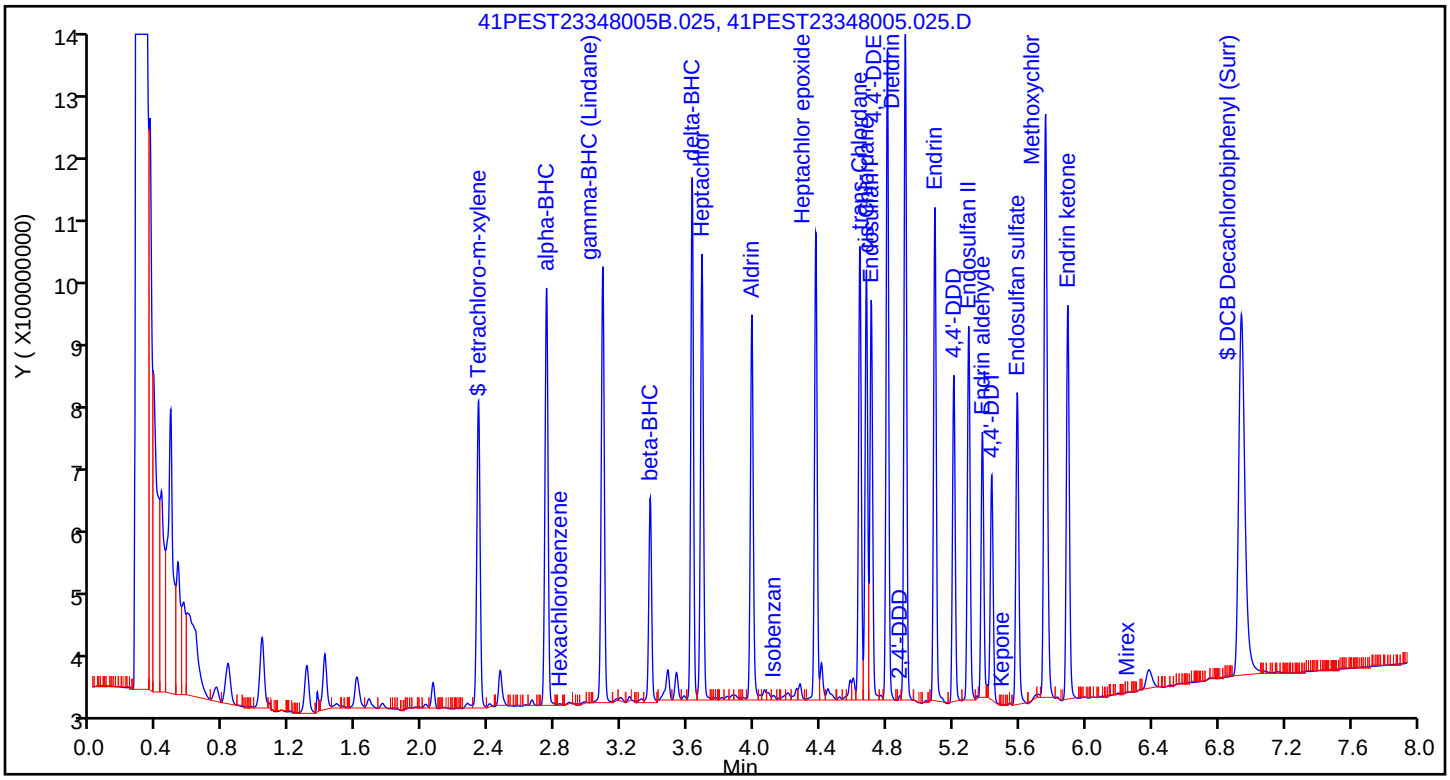
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.025.D				
Lims ID:	410-154654-A-1-B MSD				
Client ID:	MW-3-UF-20231212 MS/MSD				
Sample Type:	MSD				
Inject. Date:	20-Dec-2023 08:16:00	ALS Bottle#:	0	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-1-B MSD				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:18:10		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.6	77.28
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.4	75.68

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	11.6	77.38
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.9	79.10

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-F-20231212 MS/MSD MSD
Lab Sample ID: 410-154654-2 MSD

Matrix: Water
Lab File ID: 41PEST23348005.028.D

Analysis Method: 8081B
Date Collected: 12/12/2023 09:36

Extraction Method: 3510C
Date Extracted: 12/18/2023 10:00

Sample wt/vol: 241.5(mL)
Date Analyzed: 12/20/2023 09:00

Con. Extract Vol.: 5.0(mL)
Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082
Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
309-00-2	Aldrin	0.0620		0.021	0.0021
319-84-6	alpha-BHC	0.0838		0.021	0.0031
5103-71-9	alpha-Chlordane	0.0830		0.021	0.0031
319-85-7	beta-BHC	0.102		0.031	0.011
319-86-8	delta-BHC	0.0870		0.021	0.0035
60-57-1	Dieldrin	0.174		0.031	0.0055
959-98-8	Endosulfan I	0.0891		0.021	0.0045
33213-65-9	Endosulfan II	0.177		0.041	0.016
1031-07-8	Endosulfan sulfate	0.179		0.031	0.0060
72-20-8	Endrin	0.179		0.031	0.0084
7421-93-4	Endrin aldehyde	0.162		0.10	0.021
53494-70-5	Endrin ketone	0.187		0.031	0.0052
58-89-9	gamma-BHC (Lindane)	0.0899		0.021	0.0021
5103-74-2	gamma-Chlordane	0.0807		0.041	0.0072
76-44-8	Heptachlor	0.0763		0.021	0.0021
1024-57-3	Heptachlor epoxide	0.0870		0.021	0.0024
72-43-5	Methoxychlor	1.04		0.11	0.031
8001-35-2	Toxaphene	ND		1.0	0.31
72-54-8	p,p'-DDD	0.179		0.031	0.0052
72-55-9	p,p'-DDE	0.163		0.031	0.0052
50-29-3	p,p'-DDT	0.197		0.031	0.0054

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	71		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	70		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.028.D
Lims ID: 410-154654-A-2-B MSD
Client ID: MW-3-F-20231212 MS/MSD
Sample Type: MSD
Inject. Date: 20-Dec-2023 09:00:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-2-B MSD
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:17:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	856269350H	15.0	10.5	
2	2.335	2.340	-0.005	412789968H	15.0	10.4	
						RPD = 0.50	
2 alpha-BHC							
1	2.362	2.363	-0.001	516553119H	5.00	4.05	
2	2.745	2.750	-0.005	577408322H	5.00	3.97	
						RPD = 1.97	
3 Hexachlorobenzene							
1	2.270	2.270	0.000	83450H		0.000700	
2	2.828	2.833	-0.005	1902677H		0.0099	
						RPD = 173.63	
4 gamma-BHC (Lindane)							
1	2.730	2.732	-0.002	536117023H	5.00	4.34	
2	3.085	3.088	-0.003	604780933H	5.00	4.09	
						RPD = 6.00	
5 beta-BHC							
1	2.978	2.982	-0.004	262411846H	5.00	4.95	
2	3.372	3.375	-0.003	277687348H	5.00	4.78	
						RPD = 3.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.267	3.268	-0.001	590360760H	5.00	4.20	
2	3.625	3.628	-0.003	733506647H	5.00	4.04	
						RPD = 4.00	
8 Heptachlor							
1	3.088	3.090	-0.002	405060233H	5.00	3.68	
2	3.683	3.688	-0.005	601295301H	5.00	3.52	
						RPD = 4.49	
9 Aldrin							
1	3.398	3.400	-0.002	373987960H	5.00	3.00	
2	3.983	3.988	-0.005	516520056H	5.00	3.00	
						RPD = 0.01	
10 Isobenzan							
1	3.510	3.510	0.000	152610H		0.001567	
2	4.115	4.102	0.013	2399872H		0.0180	
						RPD = 167.90	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	515956606H	5.00	4.20	
2	4.372	4.375	-0.003	624956515H	5.00	4.03	
						RPD = 4.11	
12 2,4'-DDE							
1		4.120				ND	
2		4.515					
13 trans-Chlordane							
1	4.112	4.113	-0.001	500492686H	5.00	3.90	
2	4.637	4.640	-0.003	536022518H	5.00	3.83	
						RPD = 1.77	
14 cis-Chlordane							
1	4.195	4.197	-0.002	511047992H	5.00	4.01	
2	4.675	4.680	-0.005	546878247H	5.00	3.96	
						RPD = 1.20	
15 Endosulfan I							
1	4.240	4.242	-0.002	509179837H	5.00	4.31	
2	4.705	4.710	-0.005	554666694H	5.00	4.10	
						RPD = 4.83	
16 4,4'-DDE							
1	4.372	4.373	-0.001	1118209455H	10.0	7.89	
2	4.803	4.807	-0.004	884634401H	10.0	7.45	
						RPD = 5.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1		4.538				ND	
2		4.885					
18 Dieldrin							
1	4.478	4.480	-0.002	1166801915H	10.0	8.40	
2	4.912	4.915	-0.003	950170499H	10.0	8.03	
						RPD = 4.52	
19 Endrin							
1	4.732	4.733	-0.001	1092128249H	10.0	8.65	
2	5.090	5.093	-0.003	696682676H	10.0	7.91	
						RPD = 9.01	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1		4.762				ND	
2		5.123					
22 4,4'-DDD							
1	4.833	4.835	-0.002	1040595348H	10.0	8.67	
2	5.203	5.208	-0.005	449895674H	10.0	8.15	
						RPD = 6.20	
23 Endosulfan II							
1	4.942	4.942	0.000	1056437663H	10.0	8.53	
2	5.295	5.298	-0.003	521759240H	10.0	8.42	
						RPD = 1.22	
25 Endrin aldehyde							
1	5.115	5.117	-0.002	795847267H	10.0	7.84	
2	5.377	5.380	-0.003	367194573H	10.0	7.90	
						RPD = 0.81	
26 4,4'-DDT							
1	5.043	5.043	0.000	1003003512H	10.0	9.52	
2	5.433	5.437	-0.004	306902825H	10.0	8.84	
						RPD = 7.32	
24 Kepone							
1	4.998	4.990	0.008	5681088H		0.0834	
2	5.497	5.490	0.007	119207H		0.005423	
						RPD = 175.58	
27 Endosulfan sulfate							
1	5.265	5.267	-0.002	1020273367H	10.0	8.65	
2	5.587	5.592	-0.005	429324367H	10.0	8.73	
						RPD = 0.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.542	5.543	-0.001	2696827311H	50.0	50.0	
2	5.757	5.762	-0.005	798936890H	50.0	43.5	
						RPD = 13.99	
29 Endrin ketone							
1	5.702	5.702	0.000	1231764804H	10.0	9.05	
2	5.892	5.897	-0.005	543914346H	10.0	9.18	
						RPD = 1.43	
30 Mirex							
1	5.783	5.793	-0.010	387600H		0.004689	
2	6.257	6.257	0.000	206560H		0.006075	
						RPD = 25.76	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	1287764673H	15.0	10.6	
2	6.940	6.945	-0.005	515285948H	15.0	11.3	
						RPD = 5.74	
S 32 Total DDTs							
1						9.52	
2						8.84	
						RPD = 7.32	
S 33 Endosulfan, Total							
1						12.8	
2						12.5	
						RPD = 2.42	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:59 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.028.D

Injection Date: 20-Dec-2023 09:00:00 Instrument ID: 9147

Lims ID: 410-154654-A-2-B MSD

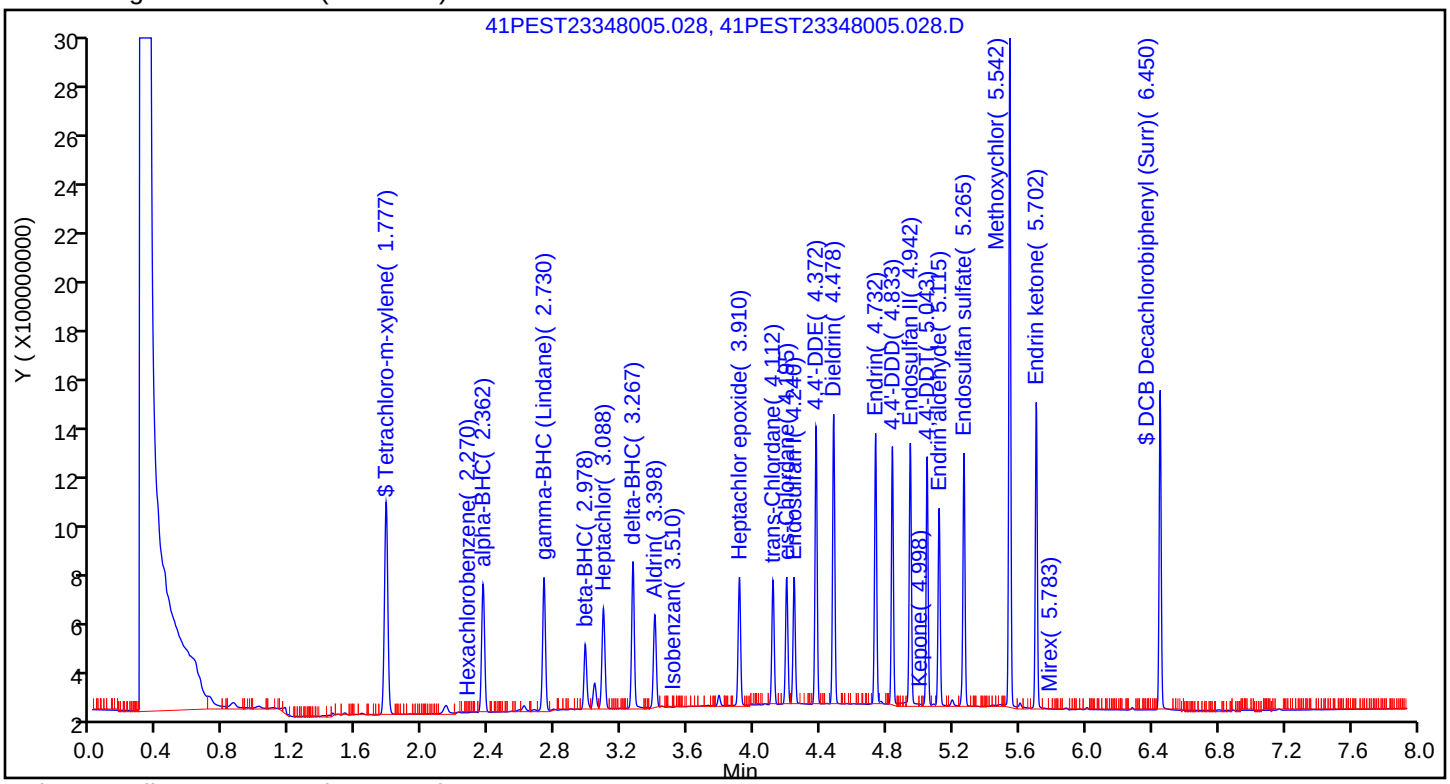
Client ID: MW-3-F-20231212 MS/MSD

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

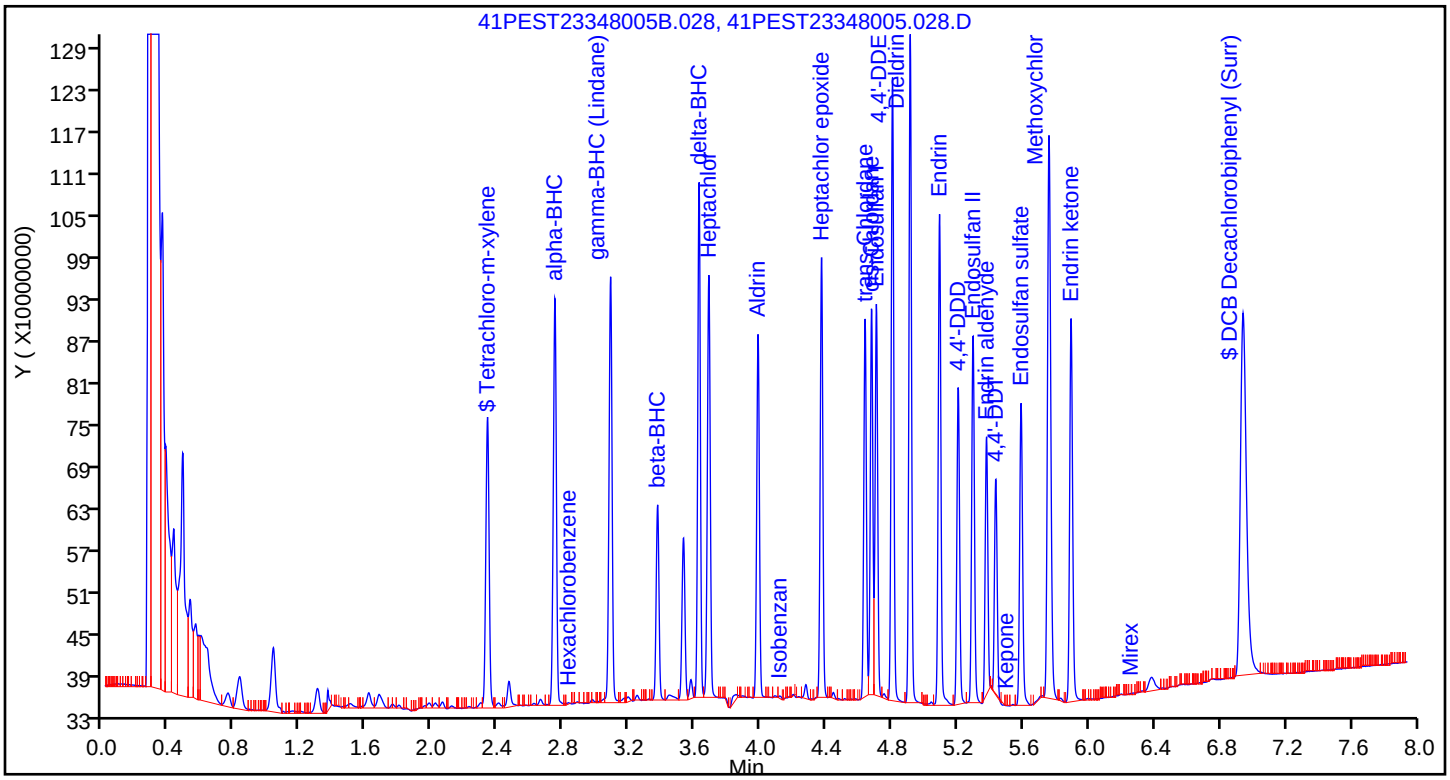
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.028.D				
Lims ID:	410-154654-A-2-B MSD				
Client ID:	MW-3-F-20231212 MS/MSD				
Sample Type:	MSD				
Inject. Date:	20-Dec-2023 09:00:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-2-B MSD				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:17:10		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.5	69.69
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	10.6	70.82

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.4	69.35
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.3	75.00

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Client Sample ID: MW-3-F-20231212 MS/MSD MSD Lab Sample ID: 410-154654-2 MSD

Matrix: Water Lab File ID: 41PEST23348005.028.D

Analysis Method: 8081B Date Collected: 12/12/2023 09:36

Extraction Method: 3510C Date Extracted: 12/18/2023 10:00

Sample wt/vol: 241.5(mL) Date Analyzed: 12/20/2023 09:00

Con. Extract Vol.: 5.0(mL) Dilution Factor: 1

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

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

Cleanup Factor:

Analysis Batch No.: 456082 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl (Surr)	75		20-149
877-09-8	Tetrachloro-m-xylene (Surr)	69		20-129

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.028.D
Lims ID: 410-154654-A-2-B MSD
Client ID: MW-3-F-20231212 MS/MSD
Sample Type: MSD
Inject. Date: 20-Dec-2023 09:00:00 ALS Bottle#: 0 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 410-154654-A-2-B MSD
Operator ID: 492 Instrument ID: 9147

Method: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m
Limit Group: GCSV - 8081B
Last Update: 20-Dec-2023 12:18:42 Calib Date: 19-Dec-2023 06:31:00
Integrator: Falcon
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D

Column 1 : Agilent DB-CLP1 (0.32 mm) Det: 1AECDA
Column 2 : Agilent DB-CLP2 (0.32 mm) Det: 2BECDB
Process Host: CTX1636

First Level Reviewer: UAMZ Date: 20-Dec-2023 12:17:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 1 Tetrachloro-m-xylene							
1	1.777	1.778	-0.001	856269350H	15.0	10.5	
2	2.335	2.340	-0.005	412789968H	15.0	10.4	
						RPD = 0.50	
2 alpha-BHC							
1	2.362	2.363	-0.001	516553119H	5.00	4.05	
2	2.745	2.750	-0.005	577408322H	5.00	3.97	
						RPD = 1.97	
3 Hexachlorobenzene							
1	2.270	2.270	0.000	83450H		0.000700	
2	2.828	2.833	-0.005	1902677H		0.0099	
						RPD = 173.63	
4 gamma-BHC (Lindane)							
1	2.730	2.732	-0.002	536117023H	5.00	4.34	
2	3.085	3.088	-0.003	604780933H	5.00	4.09	
						RPD = 6.00	
5 beta-BHC							
1	2.978	2.982	-0.004	262411846H	5.00	4.95	
2	3.372	3.375	-0.003	277687348H	5.00	4.78	
						RPD = 3.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
6 Chlordane (n.o.s.)							U
1		2.907				ND	
1		3.545					
1		4.115					
1		4.198					
1		4.965					
2		3.482					
2		4.003					
2		4.640					
2		4.678					
2		5.347					
7 delta-BHC							
1	3.267	3.268	-0.001	590360760H	5.00	4.20	
2	3.625	3.628	-0.003	733506647H	5.00	4.04	
						RPD = 4.00	
8 Heptachlor							
1	3.088	3.090	-0.002	405060233H	5.00	3.68	
2	3.683	3.688	-0.005	601295301H	5.00	3.52	
						RPD = 4.49	
9 Aldrin							
1	3.398	3.400	-0.002	373987960H	5.00	3.00	
2	3.983	3.988	-0.005	516520056H	5.00	3.00	
						RPD = 0.01	
10 Isobenzan							
1	3.510	3.510	0.000	152610H		0.001567	
2	4.115	4.102	0.013	2399872H		0.0180	
						RPD = 167.90	
11 Heptachlor epoxide							
1	3.910	3.910	0.000	515956606H	5.00	4.20	
2	4.372	4.375	-0.003	624956515H	5.00	4.03	
						RPD = 4.11	
12 2,4'-DDE							
1		4.120				ND	
2		4.515					
13 trans-Chlordane							
1	4.112	4.113	-0.001	500492686H	5.00	3.90	
2	4.637	4.640	-0.003	536022518H	5.00	3.83	
						RPD = 1.77	
14 cis-Chlordane							
1	4.195	4.197	-0.002	511047992H	5.00	4.01	
2	4.675	4.680	-0.005	546878247H	5.00	3.96	
						RPD = 1.20	
15 Endosulfan I							
1	4.240	4.242	-0.002	509179837H	5.00	4.31	
2	4.705	4.710	-0.005	554666694H	5.00	4.10	
						RPD = 4.83	
16 4,4'-DDE							
1	4.372	4.373	-0.001	1118209455H	10.0	7.89	
2	4.803	4.807	-0.004	884634401H	10.0	7.45	
						RPD = 5.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
17 2,4'-DDD							
1		4.538				ND	
2		4.885					
18 Dieldrin							
1	4.478	4.480	-0.002	1166801915H	10.0	8.40	
2	4.912	4.915	-0.003	950170499H	10.0	8.03	
						RPD = 4.52	
19 Endrin							
1	4.732	4.733	-0.001	1092128249H	10.0	8.65	
2	5.090	5.093	-0.003	696682676H	10.0	7.91	
						RPD = 9.01	
21 Toxaphene							U
1		4.957				ND	
1		5.175					
1		5.227					
1		5.557					
1		5.800					
2		5.122					
2		5.347					
2		5.528					
2		5.583					
2		5.917					
20 2,4'-DDT							
1		4.762				ND	
2		5.123					
22 4,4'-DDD							
1	4.833	4.835	-0.002	1040595348H	10.0	8.67	
2	5.203	5.208	-0.005	449895674H	10.0	8.15	
						RPD = 6.20	
23 Endosulfan II							
1	4.942	4.942	0.000	1056437663H	10.0	8.53	
2	5.295	5.298	-0.003	521759240H	10.0	8.42	
						RPD = 1.22	
25 Endrin aldehyde							
1	5.115	5.117	-0.002	795847267H	10.0	7.84	
2	5.377	5.380	-0.003	367194573H	10.0	7.90	
						RPD = 0.81	
26 4,4'-DDT							
1	5.043	5.043	0.000	1003003512H	10.0	9.52	
2	5.433	5.437	-0.004	306902825H	10.0	8.84	
						RPD = 7.32	
24 Kepone							
1	4.998	4.990	0.008	5681088H		0.0834	
2	5.497	5.490	0.007	119207H		0.005423	
						RPD = 175.58	
27 Endosulfan sulfate							
1	5.265	5.267	-0.002	1020273367H	10.0	8.65	
2	5.587	5.592	-0.005	429324367H	10.0	8.73	
						RPD = 0.93	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
28 Methoxychlor							
1	5.542	5.543	-0.001	2696827311H	50.0	50.0	
2	5.757	5.762	-0.005	798936890H	50.0	43.5	
						RPD = 13.99	
29 Endrin ketone							
1	5.702	5.702	0.000	1231764804H	10.0	9.05	
2	5.892	5.897	-0.005	543914346H	10.0	9.18	
						RPD = 1.43	
30 Mirex							
1	5.783	5.793	-0.010	387600H		0.004689	
2	6.257	6.257	0.000	206560H		0.006075	
						RPD = 25.76	
$ 31 DCB Decachlorobiphenyl (Surr)							
1	6.450	6.450	0.000	1287764673H	15.0	10.6	
2	6.940	6.945	-0.005	515285948H	15.0	11.3	
						RPD = 5.74	
S 32 Total DDTs							
1						9.52	
2						8.84	
						RPD = 7.32	
S 33 Endosulfan, Total							
1						12.8	
2						12.5	
						RPD = 2.42	

QC Flag Legend

Processing Flags

H - Response Measured by Height

Review Flags

U - Marked Undetected

Report Date: 20-Dec-2023 12:18:59 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.028.D

Injection Date: 20-Dec-2023 09:00:00 Instrument ID: 9147

Lims ID: 410-154654-A-2-B MSD

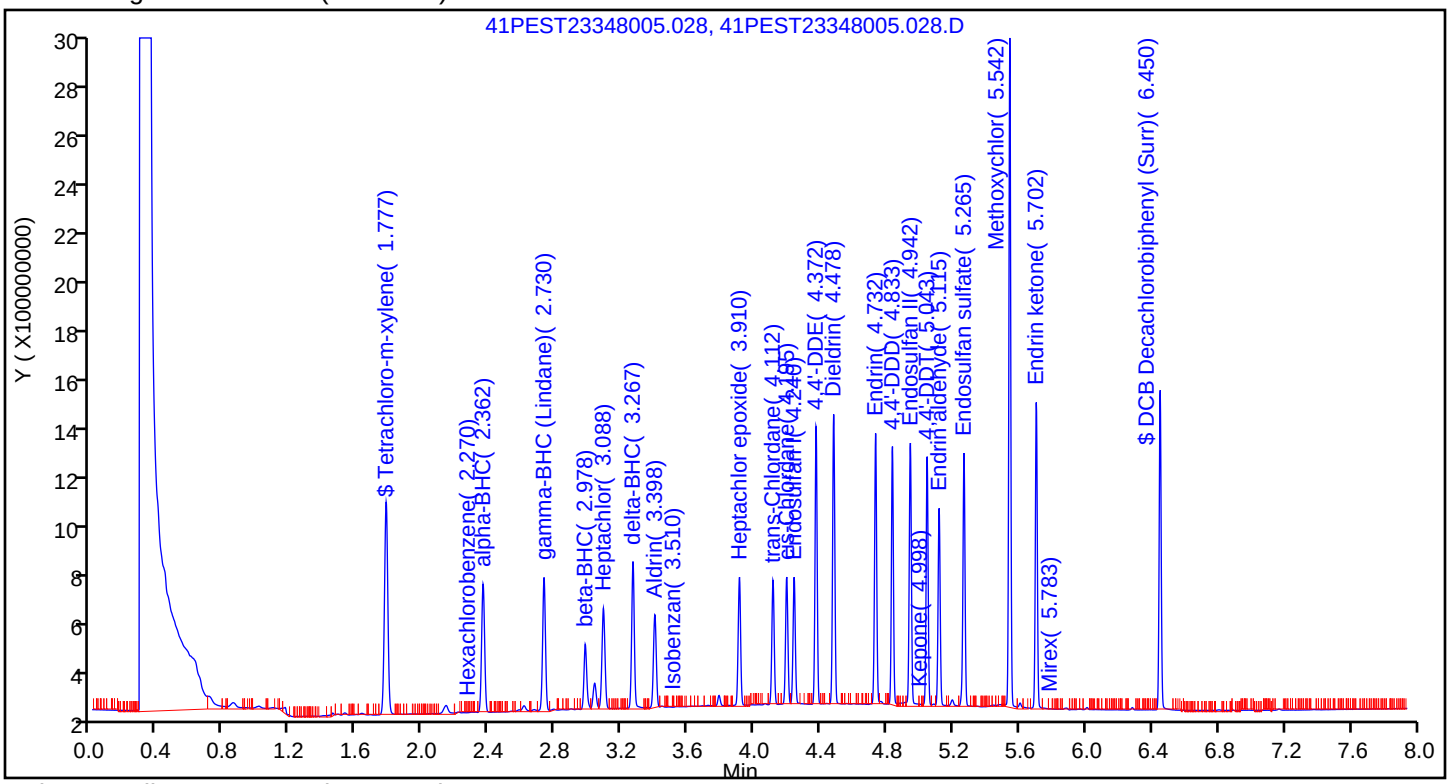
Client ID: MW-3-F-20231212 MS/MSD

Operator ID: 492 ALS Bottle#: 0 Worklist Smp#: 28

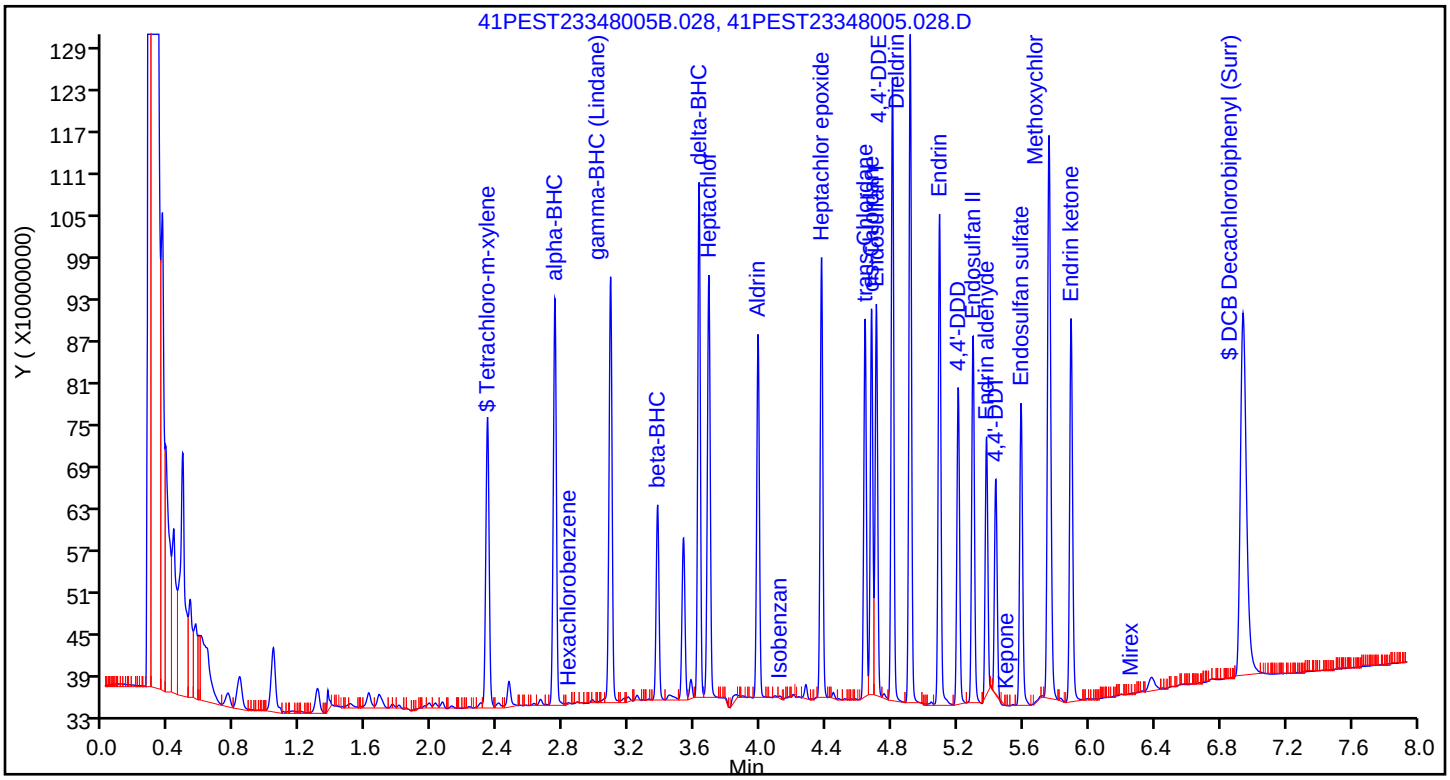
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: PEST_9147 Limit Group: GCSV - 8081B

Column: Agilent DB-CLP1 (0.32 mm)



Column: Agilent DB-CLP2 (0.32 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\41PEST23348005.028.D				
Lims ID:	410-154654-A-2-B MSD				
Client ID:	MW-3-F-20231212 MS/MSD				
Sample Type:	MSD				
Inject. Date:	20-Dec-2023 09:00:00	ALS Bottle#:	0	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	410-154654-A-2-B MSD				
Operator ID:	492	Instrument ID:	9147		
Method:	\\chromfs\Lancaster\ChromData\9147\20231220-102397.b\PEST_9147.m				
Limit Group:	GCSV - 8081B				
Last Update:	20-Dec-2023 12:18:42	Calib Date:	19-Dec-2023 06:31:00		
Integrator:	Falcon				
Quant Method:	External Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\9147\20231219-102272.b\41PEST23348004.012.D				
Column 1 :	Agilent DB-CLP1 (0.32 mm)		Det: 1AECDA		
Column 2 :	Agilent DB-CLP2 (0.32 mm)		Det: 2BECDB		
Process Host:	CTX1636				
First Level Reviewer: UAMZ		Date:	20-Dec-2023 12:17:10		

Surrogate Recovery, Detector: 1AECDA

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.5	69.69
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	10.6	70.82

Surrogate Recovery, Detector: 2BECDB

Compound	Amount Added	Amount Recovered	% Rec.
$ 1 Tetrachloro-m-xylene	15.0	10.4	69.35
$ 31 DCB Decachlorobiphenyl (Surr)	15.0	11.3	75.00

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/14/2023 04:18

Analysis Batch Number: 453851 End Date: 12/14/2023 15:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 410-453851/5		12/14/2023 04:18	1		DB CLP1 0.32(mm)
PEM 410-453851/5		12/14/2023 04:18	1		DB CLP2 0.32(mm)
PIBLK 410-453851/6		12/14/2023 04:32	1		DB CLP1 0.32(mm)
PIBLK 410-453851/6		12/14/2023 04:32	1		DB CLP2 0.32(mm)
IC 410-453851/7		12/14/2023 04:47	1	41PEST23348001.007.D	DB CLP1 0.32(mm)
IC 410-453851/7		12/14/2023 04:47	1	41PEST23348001.007.D	DB CLP2 0.32(mm)
IC 410-453851/8		12/14/2023 05:01	1	41PEST23348001.008.D	DB CLP1 0.32(mm)
IC 410-453851/8		12/14/2023 05:01	1	41PEST23348001.008.D	DB CLP2 0.32(mm)
IC 410-453851/9		12/14/2023 05:16	1	41PEST23348001.009.D	DB CLP1 0.32(mm)
IC 410-453851/9		12/14/2023 05:16	1	41PEST23348001.009.D	DB CLP2 0.32(mm)
ICRT 410-453851/10		12/14/2023 05:30	1	41PEST23348001.010.D	DB CLP1 0.32(mm)
ICRT 410-453851/10		12/14/2023 05:30	1	41PEST23348001.010.D	DB CLP2 0.32(mm)
IC 410-453851/11		12/14/2023 05:45	1	41PEST23348001.011.D	DB CLP1 0.32(mm)
IC 410-453851/11		12/14/2023 05:45	1	41PEST23348001.011.D	DB CLP2 0.32(mm)
IC 410-453851/12		12/14/2023 06:00	1	41PEST23348001.012.D	DB CLP1 0.32(mm)
IC 410-453851/12		12/14/2023 06:00	1	41PEST23348001.012.D	DB CLP2 0.32(mm)
IC 410-453851/13		12/14/2023 06:14	1		DB CLP1 0.32(mm)
IC 410-453851/13		12/14/2023 06:14	1		DB CLP2 0.32(mm)
IC 410-453851/14		12/14/2023 06:29	1		DB CLP1 0.32(mm)
IC 410-453851/14		12/14/2023 06:29	1		DB CLP2 0.32(mm)
IC 410-453851/15		12/14/2023 06:43	1		DB CLP1 0.32(mm)
IC 410-453851/15		12/14/2023 06:43	1		DB CLP2 0.32(mm)
ICRT 410-453851/16		12/14/2023 06:58	1		DB CLP1 0.32(mm)
ICRT 410-453851/16		12/14/2023 06:58	1		DB CLP2 0.32(mm)
IC 410-453851/17		12/14/2023 07:12	1		DB CLP1 0.32(mm)
IC 410-453851/17		12/14/2023 07:12	1		DB CLP2 0.32(mm)
IC 410-453851/18		12/14/2023 07:27	1		DB CLP1 0.32(mm)
IC 410-453851/18		12/14/2023 07:27	1		DB CLP2 0.32(mm)
IC 410-453851/19		12/14/2023 07:41	1		DB CLP1 0.32(mm)
IC 410-453851/19		12/14/2023 07:41	1		DB CLP2 0.32(mm)
IC 410-453851/20		12/14/2023 07:56	1		DB CLP1 0.32(mm)
IC 410-453851/20		12/14/2023 07:56	1		DB CLP2 0.32(mm)
IC 410-453851/21		12/14/2023 08:10	1		DB CLP1 0.32(mm)
IC 410-453851/21		12/14/2023 08:10	1		DB CLP2 0.32(mm)
IC 410-453851/22		12/14/2023 08:25	1		DB CLP1 0.32(mm)
IC 410-453851/22		12/14/2023 08:25	1		DB CLP2 0.32(mm)
ICRT 410-453851/23		12/14/2023 08:39	1		DB CLP1 0.32(mm)
ICRT 410-453851/23		12/14/2023 08:39	1		DB CLP2 0.32(mm)
IC 410-453851/24		12/14/2023 08:54	1		DB CLP1 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/14/2023 04:18

Analysis Batch Number: 453851 End Date: 12/14/2023 15:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 410-453851/24		12/14/2023 08:54	1		DB CLP2 0.32(mm)
IC 410-453851/25		12/14/2023 09:08	1		DB CLP1 0.32(mm)
IC 410-453851/25		12/14/2023 09:08	1		DB CLP2 0.32(mm)
IC 410-453851/26		12/14/2023 09:23	1	41PEST23348001.026.D	DB CLP1 0.32(mm)
IC 410-453851/26		12/14/2023 09:23	1	41PEST23348001.026.D	DB CLP2 0.32(mm)
IC 410-453851/27		12/14/2023 09:37	1	41PEST23348001.027.D	DB CLP1 0.32(mm)
IC 410-453851/27		12/14/2023 09:37	1	41PEST23348001.027.D	DB CLP2 0.32(mm)
IC 410-453851/28		12/14/2023 09:52	1	41PEST23348001.028.D	DB CLP1 0.32(mm)
IC 410-453851/28		12/14/2023 09:52	1	41PEST23348001.028.D	DB CLP2 0.32(mm)
ICRT 410-453851/29		12/14/2023 10:06	1	41PEST23348001.029.D	DB CLP1 0.32(mm)
ICRT 410-453851/29		12/14/2023 10:06	1	41PEST23348001.029.D	DB CLP2 0.32(mm)
IC 410-453851/30		12/14/2023 10:21	1	41PEST23348001.030.D	DB CLP1 0.32(mm)
IC 410-453851/30		12/14/2023 10:21	1	41PEST23348001.030.D	DB CLP2 0.32(mm)
IC 410-453851/31		12/14/2023 10:35	1	41PEST23348001.031.D	DB CLP1 0.32(mm)
IC 410-453851/31		12/14/2023 10:35	1	41PEST23348001.031.D	DB CLP2 0.32(mm)
IC 410-453851/32		12/14/2023 10:50	1		DB CLP1 0.32(mm)
IC 410-453851/32		12/14/2023 10:50	1		DB CLP2 0.32(mm)
IC 410-453851/33		12/14/2023 11:04	1		DB CLP1 0.32(mm)
IC 410-453851/33		12/14/2023 11:04	1		DB CLP2 0.32(mm)
IC 410-453851/34		12/14/2023 11:19	1		DB CLP1 0.32(mm)
IC 410-453851/34		12/14/2023 11:19	1		DB CLP2 0.32(mm)
ICRT 410-453851/35		12/14/2023 11:33	1	41PEST23348001.035.D	DB CLP1 0.32(mm)
ICRT 410-453851/35		12/14/2023 11:33	1	41PEST23348001.035.D	DB CLP2 0.32(mm)
IC 410-453851/36		12/14/2023 11:48	1		DB CLP1 0.32(mm)
IC 410-453851/36		12/14/2023 11:48	1		DB CLP2 0.32(mm)
IC 410-453851/37		12/14/2023 12:02	1		DB CLP1 0.32(mm)
IC 410-453851/37		12/14/2023 12:02	1		DB CLP2 0.32(mm)
ICV 410-453851/38		12/14/2023 12:17	1		DB CLP1 0.32(mm)
ICV 410-453851/38		12/14/2023 12:17	1		DB CLP2 0.32(mm)
ICV 410-453851/39		12/14/2023 12:31	1		DB CLP1 0.32(mm)
ICV 410-453851/39		12/14/2023 12:31	1		DB CLP2 0.32(mm)
ICV 410-453851/40		12/14/2023 12:46	1		DB CLP1 0.32(mm)
ICV 410-453851/40		12/14/2023 12:46	1		DB CLP2 0.32(mm)
ICV 410-453851/41		12/14/2023 13:00	1	41PEST23348001.041.D	DB CLP1 0.32(mm)
ICV 410-453851/41		12/14/2023 13:00	1	41PEST23348001.041.D	DB CLP2 0.32(mm)
ICV 410-453851/42		12/14/2023 13:15	1		DB CLP1 0.32(mm)
ICV 410-453851/42		12/14/2023 13:15	1		DB CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/14/2023 04:18

Analysis Batch Number: 453851 End Date: 12/14/2023 15:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICVL 410-453851/43		12/14/2023 13:29	1		DB CLP1 0.32(mm)
ICVL 410-453851/43		12/14/2023 13:29	1		DB CLP2 0.32(mm)
ICVL 410-453851/44		12/14/2023 13:43	1		DB CLP1 0.32(mm)
ICVL 410-453851/44		12/14/2023 13:43	1		DB CLP2 0.32(mm)
ICVL 410-453851/45		12/14/2023 13:58	1		DB CLP1 0.32(mm)
ICVL 410-453851/45		12/14/2023 13:58	1		DB CLP2 0.32(mm)
ICVL 410-453851/46		12/14/2023 14:12	1		DB CLP1 0.32(mm)
ICVL 410-453851/46		12/14/2023 14:12	1		DB CLP2 0.32(mm)
ICVL 410-453851/47		12/14/2023 14:27	1		DB CLP1 0.32(mm)
ICVL 410-453851/47		12/14/2023 14:27	1		DB CLP2 0.32(mm)
ZZZZZ		12/14/2023 14:41	1		DB CLP1 0.32(mm)
ZZZZZ		12/14/2023 14:41	1		DB CLP2 0.32(mm)
ZZZZZ		12/14/2023 14:56	1		DB CLP1 0.32(mm)
ZZZZZ		12/14/2023 14:56	1		DB CLP2 0.32(mm)
ZZZZZ		12/14/2023 15:10	1		DB CLP1 0.32(mm)
ZZZZZ		12/14/2023 15:10	1		DB CLP2 0.32(mm)
ZZZZZ		12/14/2023 15:24	1		DB CLP1 0.32(mm)
ZZZZZ		12/14/2023 15:24	1		DB CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/19/2023 04:49

Analysis Batch Number: 455561 End Date: 12/19/2023 20:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 410-455561/5		12/19/2023 04:49	1		DB CLP1 0.32(mm)
PEM 410-455561/5		12/19/2023 04:49	1		DB CLP2 0.32(mm)
PIBLK 410-455561/6		12/19/2023 05:03	1		DB CLP1 0.32(mm)
PIBLK 410-455561/6		12/19/2023 05:03	1		DB CLP2 0.32(mm)
IC 410-455561/7		12/19/2023 05:18	1	41PEST23348004.007.D	DB CLP1 0.32(mm)
IC 410-455561/7		12/19/2023 05:18	1	41PEST23348004.007.D	DB CLP2 0.32(mm)
IC 410-455561/8		12/19/2023 05:32	1	41PEST23348004.008.D	DB CLP1 0.32(mm)
IC 410-455561/8		12/19/2023 05:32	1	41PEST23348004.008.D	DB CLP2 0.32(mm)
IC 410-455561/9		12/19/2023 05:47	1	41PEST23348004.009.D	DB CLP1 0.32(mm)
IC 410-455561/9		12/19/2023 05:47	1	41PEST23348004.009.D	DB CLP2 0.32(mm)
ICRT 410-455561/10		12/19/2023 06:01	1	41PEST23348004.010.D	DB CLP1 0.32(mm)
ICRT 410-455561/10		12/19/2023 06:01	1	41PEST23348004.010.D	DB CLP2 0.32(mm)
IC 410-455561/11		12/19/2023 06:16	1	41PEST23348004.011.D	DB CLP1 0.32(mm)
IC 410-455561/11		12/19/2023 06:16	1	41PEST23348004.011.D	DB CLP2 0.32(mm)
IC 410-455561/12		12/19/2023 06:31	1	41PEST23348004.012.D	DB CLP1 0.32(mm)
IC 410-455561/12		12/19/2023 06:31	1	41PEST23348004.012.D	DB CLP2 0.32(mm)
ICV 410-455561/13		12/19/2023 06:45	1	41PEST23348004.013.D	DB CLP1 0.32(mm)
ICV 410-455561/13		12/19/2023 06:45	1	41PEST23348004.013.D	DB CLP2 0.32(mm)
ICVL 410-455561/14		12/19/2023 07:00	1		DB CLP1 0.32(mm)
ICVL 410-455561/14		12/19/2023 07:00	1		DB CLP2 0.32(mm)
CCV 410-455561/15		12/19/2023 07:18	1		DB CLP1 0.32(mm)
CCV 410-455561/15		12/19/2023 07:18	1		DB CLP2 0.32(mm)
CCV 410-455561/16		12/19/2023 07:33	1		DB CLP1 0.32(mm)
CCV 410-455561/16		12/19/2023 07:33	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 07:47	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 07:47	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 08:02	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 08:02	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 08:16	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 08:16	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 08:31	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 08:31	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 08:45	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 08:45	1		DB CLP2 0.32(mm)
PIBLK 410-455561/22		12/19/2023 09:00	1		DB CLP1 0.32(mm)
PIBLK 410-455561/22		12/19/2023 09:00	1		DB CLP2 0.32(mm)
CCV 410-455561/23		12/19/2023 09:14	1		DB CLP1 0.32(mm)
CCV 410-455561/23		12/19/2023 09:14	1		DB CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/19/2023 04:49

Analysis Batch Number: 455561 End Date: 12/19/2023 20:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-455561/24		12/19/2023 09:29	1		DB CLP1 0.32(mm)
CCV 410-455561/24		12/19/2023 09:29	1		DB CLP2 0.32(mm)
CCV 410-455561/25		12/19/2023 09:43	1		DB CLP1 0.32(mm)
CCV 410-455561/25		12/19/2023 09:43	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 09:57	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 09:57	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 10:12	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 10:12	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 10:26	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 10:26	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 10:41	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 10:41	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 10:55	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 10:55	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 11:10	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 11:10	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 11:24	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 11:24	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 11:39	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 11:39	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 11:53	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 11:53	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 12:08	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 12:08	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 12:22	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 12:22	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 12:37	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 12:37	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 12:51	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 12:51	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 13:06	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 13:06	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 13:20	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 13:20	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 13:35	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 13:35	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 13:49	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 13:49	1		DB CLP2 0.32(mm)
PEM 410-455561/43		12/19/2023 14:04	1		DB CLP1 0.32(mm)
PEM 410-455561/43		12/19/2023 14:04	1		DB CLP2 0.32(mm)
PIBLK 410-455561/44		12/19/2023 14:18	1		DB CLP1 0.32(mm)
PIBLK 410-455561/44		12/19/2023 14:18	1		DB CLP2 0.32(mm)
CCV 410-455561/45		12/19/2023 14:33	1		DB CLP1 0.32(mm)
CCV 410-455561/45		12/19/2023 14:33	1		DB CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/19/2023 04:49

Analysis Batch Number: 455561 End Date: 12/19/2023 20:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-455561/46		12/19/2023 14:48	1		DB CLP1 0.32(mm)
CCV 410-455561/46		12/19/2023 14:48	1		DB CLP2 0.32(mm)
CCV 410-455561/47		12/19/2023 15:02	1		DB CLP1 0.32(mm)
CCV 410-455561/47		12/19/2023 15:02	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 15:17	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 15:17	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 15:31	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 15:31	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 15:45	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 15:45	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 16:00	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 16:00	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 16:14	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 16:14	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 16:29	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 16:29	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 16:43	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 16:43	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 16:58	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 16:58	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 17:12	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 17:12	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 17:27	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 17:27	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 17:41	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 17:41	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 17:56	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 17:56	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 18:10	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 18:10	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 18:25	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 18:25	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 18:39	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 18:39	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 18:54	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 18:54	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 19:08	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 19:08	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 19:23	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 19:23	1		DB CLP2 0.32(mm)
ZZZZZ		12/19/2023 19:37	1		DB CLP1 0.32(mm)
ZZZZZ		12/19/2023 19:37	1		DB CLP2 0.32(mm)
PIBLK 410-455561/67		12/19/2023 19:51	1		DB CLP1 0.32(mm)
PIBLK 410-455561/67		12/19/2023 19:51	1		DB CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/19/2023 04:49

Analysis Batch Number: 455561 End Date: 12/19/2023 20:35

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 410-455561/68		12/19/2023 20:06	1		DB CLP1 0.32(mm)
CCV 410-455561/68		12/19/2023 20:06	1		DB CLP2 0.32(mm)
CCV 410-455561/69		12/19/2023 20:20	1		DB CLP1 0.32(mm)
CCV 410-455561/69		12/19/2023 20:20	1		DB CLP2 0.32(mm)
CCV 410-455561/70		12/19/2023 20:35	1		DB CLP1 0.32(mm)
CCV 410-455561/70		12/19/2023 20:35	1		DB CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/20/2023 01:49

Analysis Batch Number: 456082 End Date: 12/20/2023 16:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 410-456082/3		12/20/2023 01:49	1	41PEST23348005.003.D	DB CLP1 0.32(mm)
CCVRT 410-456082/3		12/20/2023 01:49	1	41PEST23348005.003.D	DB CLP2 0.32(mm)
CCV 410-456082/4		12/20/2023 02:04	1		DB CLP1 0.32(mm)
CCV 410-456082/4		12/20/2023 02:04	1		DB CLP2 0.32(mm)
CCV 410-456082/5		12/20/2023 02:18	1		DB CLP1 0.32(mm)
CCV 410-456082/5		12/20/2023 02:18	1		DB CLP2 0.32(mm)
PIBLK 410-456082/6		12/20/2023 02:33	1		DB CLP1 0.32(mm)
PIBLK 410-456082/6		12/20/2023 02:33	1		DB CLP2 0.32(mm)
PEM 410-456082/7		12/20/2023 02:47	1	41PEST23348005.007.D	DB CLP1 0.32(mm)
PEM 410-456082/7		12/20/2023 02:47	1	41PEST23348005.007.D	DB CLP2 0.32(mm)
CCV 410-456082/8		12/20/2023 03:09	1		DB CLP1 0.32(mm)
CCV 410-456082/8		12/20/2023 03:09	1		DB CLP2 0.32(mm)
CCV 410-456082/17		12/20/2023 05:20	1	41PEST23348005.017.D	DB CLP1 0.32(mm)
CCV 410-456082/17		12/20/2023 05:20	1	41PEST23348005.017.D	DB CLP2 0.32(mm)
CCV 410-456082/18		12/20/2023 05:34	1		DB CLP1 0.32(mm)
CCV 410-456082/18		12/20/2023 05:34	1		DB CLP2 0.32(mm)
CCV 410-456082/19		12/20/2023 05:49	1	41PEST23348005.019.D	DB CLP1 0.32(mm)
CCV 410-456082/19		12/20/2023 05:49	1	41PEST23348005.019.D	DB CLP2 0.32(mm)
CCV 410-456082/20		12/20/2023 06:03	1		DB CLP1 0.32(mm)
CCV 410-456082/20		12/20/2023 06:03	1		DB CLP2 0.32(mm)
PIBLK 410-456082/21		12/20/2023 06:18	1	41PEST23348005.021.D	DB CLP1 0.32(mm)
PIBLK 410-456082/21		12/20/2023 06:18	1	41PEST23348005.021.D	DB CLP2 0.32(mm)
MB 410-455243/1-A		12/20/2023 07:33	1	41PEST23348005.022.D	DB CLP1 0.32(mm)
MB 410-455243/1-A		12/20/2023 07:33	1	41PEST23348005.022.D	DB CLP2 0.32(mm)
LCS 410-455243/2-A		12/20/2023 07:47	1	41PEST23348005.023.D	DB CLP1 0.32(mm)
LCS 410-455243/2-A		12/20/2023 07:47	1	41PEST23348005.023.D	DB CLP2 0.32(mm)
410-154654-1 MS	MW-3-UF-20231212 MS/MSD MS	12/20/2023 08:02	1	41PEST23348005.024.D	DB CLP1 0.32(mm)
410-154654-1 MS	MW-3-UF-20231212 MS/MSD MS	12/20/2023 08:02	1	41PEST23348005.024.D	DB CLP2 0.32(mm)
410-154654-1 MSD	MW-3-UF-20231212 MS/MSD MSD	12/20/2023 08:16	1	41PEST23348005.025.D	DB CLP1 0.32(mm)
410-154654-1 MSD	MW-3-UF-20231212 MS/MSD MSD	12/20/2023 08:16	1	41PEST23348005.025.D	DB CLP2 0.32(mm)
410-154654-1	MW-3-UF-20231212	12/20/2023 08:31	1	41PEST23348005.026.D	DB CLP1 0.32(mm)
410-154654-1	MW-3-UF-20231212	12/20/2023 08:31	1	41PEST23348005.026.D	DB CLP2 0.32(mm)
410-154654-2 MS	MW-3-F-20231212 MS/MSD MS	12/20/2023 08:45	1	41PEST23348005.027.D	DB CLP1 0.32(mm)
410-154654-2 MS	MW-3-F-20231212 MS/MSD MS	12/20/2023 08:45	1	41PEST23348005.027.D	DB CLP2 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/20/2023 01:49

Analysis Batch Number: 456082 End Date: 12/20/2023 16:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
410-154654-2 MSD	MW-3-F-20231212 MS/MSD MSD	12/20/2023 09:00	1	41PEST23348005.028.D	DB CLP1 0.32(mm)
410-154654-2 MSD	MW-3-F-20231212 MS/MSD MSD	12/20/2023 09:00	1	41PEST23348005.028.D	DB CLP2 0.32(mm)
410-154654-2	MW-3-F-20231212	12/20/2023 09:14	1	41PEST23348005.029.D	DB CLP1 0.32(mm)
410-154654-2	MW-3-F-20231212	12/20/2023 09:14	1	41PEST23348005.029.D	DB CLP2 0.32(mm)
410-154654-3	MW-5-UF-20231212	12/20/2023 09:28	1	41PEST23348005.030.D	DB CLP1 0.32(mm)
410-154654-3	MW-5-UF-20231212	12/20/2023 09:28	1	41PEST23348005.030.D	DB CLP2 0.32(mm)
410-154654-4	MW-5-F-20231212	12/20/2023 09:43	1	41PEST23348005.031.D	DB CLP1 0.32(mm)
410-154654-4	MW-5-F-20231212	12/20/2023 09:43	1	41PEST23348005.031.D	DB CLP2 0.32(mm)
410-154654-5	MW-4-UF-20231212	12/20/2023 09:57	1	41PEST23348005.032.D	DB CLP1 0.32(mm)
410-154654-5	MW-4-UF-20231212	12/20/2023 09:57	1	41PEST23348005.032.D	DB CLP2 0.32(mm)
410-154654-6	MW-4-F-20231212	12/20/2023 10:11	1	41PEST23348005.033.D	DB CLP1 0.32(mm)
410-154654-6	MW-4-F-20231212	12/20/2023 10:11	1	41PEST23348005.033.D	DB CLP2 0.32(mm)
410-154654-7	MW-2D-UF-20231212	12/20/2023 10:26	1	41PEST23348005.034.D	DB CLP1 0.32(mm)
410-154654-7	MW-2D-UF-20231212	12/20/2023 10:26	1	41PEST23348005.034.D	DB CLP2 0.32(mm)
410-154654-8	MW-2D-F-20231212	12/20/2023 10:41	1	41PEST23348005.035.D	DB CLP1 0.32(mm)
410-154654-8	MW-2D-F-20231212	12/20/2023 10:41	1	41PEST23348005.035.D	DB CLP2 0.32(mm)
410-154654-9	DUP-20231212-UF	12/20/2023 10:55	1	41PEST23348005.036.D	DB CLP1 0.32(mm)
410-154654-9	DUP-20231212-UF	12/20/2023 10:55	1	41PEST23348005.036.D	DB CLP2 0.32(mm)
410-154654-10	DUP-20231212-F	12/20/2023 11:10	1	41PEST23348005.037.D	DB CLP1 0.32(mm)
410-154654-10	DUP-20231212-F	12/20/2023 11:10	1	41PEST23348005.037.D	DB CLP2 0.32(mm)
410-154654-11	FB-20231212-UF	12/20/2023 11:24	1	41PEST23348005.038.D	DB CLP1 0.32(mm)
410-154654-11	FB-20231212-UF	12/20/2023 11:24	1	41PEST23348005.038.D	DB CLP2 0.32(mm)
410-154654-12	FB-20231212-F	12/20/2023 11:39	1	41PEST23348005.039.D	DB CLP1 0.32(mm)
410-154654-12	FB-20231212-F	12/20/2023 11:39	1	41PEST23348005.039.D	DB CLP2 0.32(mm)
CCV 410-456082/40		12/20/2023 11:53	1	41PEST23348005.040.D	DB CLP1 0.32(mm)
CCV 410-456082/40		12/20/2023 11:53	1	41PEST23348005.040.D	DB CLP2 0.32(mm)
CCV 410-456082/41		12/20/2023 12:08	1	41PEST23348005.041.D	DB CLP1 0.32(mm)
CCV 410-456082/41		12/20/2023 12:08	1	41PEST23348005.041.D	DB CLP2 0.32(mm)
CCV 410-456082/42		12/20/2023 12:22	1		DB CLP1 0.32(mm)
CCV 410-456082/42		12/20/2023 12:22	1		DB CLP2 0.32(mm)
PIBLK 410-456082/43		12/20/2023 12:36	1	41PEST23348005.043.D	DB CLP1 0.32(mm)

PESTICIDES ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154654-1

SDG No.:

Instrument ID: 9147 Start Date: 12/20/2023 01:49

Analysis Batch Number: 456082 End Date: 12/20/2023 16:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 410-456082/43		12/20/2023 12:36	1	41PEST23348005.043.D	DB CLP2 0.32(mm)
CCV 410-456082/44		12/20/2023 12:51	1		DB CLP1 0.32(mm)
CCV 410-456082/44		12/20/2023 12:51	1		DB CLP2 0.32(mm)
PEM 410-456082/45		12/20/2023 13:06	1	41PEST23348005.045.D	DB CLP1 0.32(mm)
PEM 410-456082/45		12/20/2023 13:06	1	41PEST23348005.045.D	DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 13:20	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 13:20	1		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 13:34	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 13:34	1		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 13:49	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 13:49	1		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 14:03	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 14:03	1		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 14:18	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 14:18	1		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 14:32	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 14:32	1		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 14:47	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 14:47	1		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 15:01	5		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 15:01	5		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 15:16	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 15:16	1		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 15:30	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 15:30	1		DB CLP2 0.32(mm)
ZZZZZ		12/20/2023 15:45	1		DB CLP1 0.32(mm)
ZZZZZ		12/20/2023 15:45	1		DB CLP2 0.32(mm)
CCV 410-456082/57		12/20/2023 15:59	1		DB CLP1 0.32(mm)
CCV 410-456082/57		12/20/2023 15:59	1		DB CLP2 0.32(mm)
CCV 410-456082/58		12/20/2023 16:14	1		DB CLP1 0.32(mm)
CCV 410-456082/58		12/20/2023 16:14	1		DB CLP2 0.32(mm)
CCV 410-456082/59		12/20/2023 16:28	1		DB CLP1 0.32(mm)
CCV 410-456082/59		12/20/2023 16:28	1		DB CLP2 0.32(mm)
CCV 410-456082/60		12/20/2023 16:42	1		DB CLP1 0.32(mm)
CCV 410-456082/60		12/20/2023 16:42	1		DB CLP2 0.32(mm)
PIBLK 410-456082/61		12/20/2023 16:57	1		DB CLP1 0.32(mm)
PIBLK 410-456082/61		12/20/2023 16:57	1		DB CLP2 0.32(mm)

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-154654-1

SDG No.:

Batch Number: 453851 Batch Start Date: 12/14/23 04:18 Batch Analyst: Patrushev, James P

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_CHL4 00013	GCS_MIXA1 00011	GCS_MIXA2 00010	GCS_MIXA3 00011	GCS_MIXA4 00015	GCS_MIXA5 00014
IC 410-453851/7		8081B			1 mL				
IC 410-453851/8		8081B				1 mL			
IC 410-453851/9		8081B					1 mL		
ICRT 410-453851/10		8081B						1 mL	
IC 410-453851/11		8081B							1 mL
IC 410-453851/12		8081B							
IC 410-453851/26		8081B							
IC 410-453851/27		8081B							
IC 410-453851/28		8081B							
ICRT 410-453851/29		8081B							
IC 410-453851/30		8081B							
IC 410-453851/31		8081B							
ICRT 410-453851/35		8081B		1 mL					
ICV 410-453851/41		8081B							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MIXA6 00010	GCS_TOX1 00017	GCS_TOX2 00011	GCS_TOX3 00011	GCS_TOX4 00013	GCS_TOX5 00011
IC 410-453851/7		8081B							
IC 410-453851/8		8081B							
IC 410-453851/9		8081B							
ICRT 410-453851/10		8081B							
IC 410-453851/11		8081B							
IC 410-453851/12		8081B		1 mL					
IC 410-453851/26		8081B			1 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-154654-1

SDG No.:

Batch Number: 453851 Batch Start Date: 12/14/23 04:18 Batch Analyst: Patrushev, James P

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MIXA6 00010	GCS_TOX1 00017	GCS_TOX2 00011	GCS_TOX3 00011	GCS_TOX4 00013	GCS_TOX5 00011
IC 410-453851/27		8081B				1 mL			
IC 410-453851/28		8081B					1 mL		
ICRT 410-453851/29		8081B						1 mL	
IC 410-453851/30		8081B							1 mL
IC 410-453851/31		8081B							
ICRT 410-453851/35		8081B							
ICV 410-453851/41		8081B							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_TOX6 00011	GCS_TOXICV 00015				
IC 410-453851/7		8081B							
IC 410-453851/8		8081B							
IC 410-453851/9		8081B							
ICRT 410-453851/10		8081B							
IC 410-453851/11		8081B							
IC 410-453851/12		8081B							
IC 410-453851/26		8081B							
IC 410-453851/27		8081B							
IC 410-453851/28		8081B							
ICRT 410-453851/29		8081B							
IC 410-453851/30		8081B							
IC 410-453851/31		8081B		1 mL					
ICRT 410-453851/35		8081B							

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 Laboratories Job No.: 410-154654-1

SDG No.:

Batch Number: 453851 Batch Start Date: 12/14/23 04:18 Batch Analyst: Patrushev, James P

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_TOX6 00011	GCS_TOXICV 00015				
ICV 410-453851/41		8081B			1 mL				

Batch Notes	
Vial Lot Number	21116173

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.

PESTICIDES BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-154654-1

SDG No.:

Batch Number: 455243 | Batch Start Date: 12/18/23 10:00 | Batch Analyst: Hall, Patrick

Batch Method: 3510C | Batch End Date: 12/18/23 14:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	DensityAcc	InitialAmount	FinalAmount	ReceivedpH
MB 410-455243/1		3510C, 8081B				n/a	250 mL	5.0 mL	6 SU
LCS 410-455243/2		3510C, 8081B				n/a	250 mL	5.0 mL	6 SU
410-154654-A-1 MS	MW-3-UF-20231212 MS/MSD	3510C, 8081B	T	410.14 g	167.90 g	n/a	242.2 mL	5.0 mL	7 SU
410-154654-A-1 MSD	MW-3-UF-20231212 MS/MSD	3510C, 8081B	T	412.62 g	166.49 g	n/a	246.1 mL	5.0 mL	7 SU
410-154654-A-1	MW-3-UF-20231212	3510C, 8081B	T	407.39 g	168.16 g	n/a	239.2 mL	5.0 mL	7 SU
410-154654-A-2 MS	MW-3-F-20231212 MS/MSD	3510C, 8081B	T	414.79 g	166.18 g	n/a	248.6 mL	5.0 mL	7 SU
410-154654-A-2 MSD	MW-3-F-20231212 MS/MSD	3510C, 8081B	T	408.17 g	166.67 g	n/a	241.5 mL	5.0 mL	7 SU
410-154654-A-2	MW-3-F-20231212	3510C, 8081B	T	413.42 g	166.70 g	n/a	246.7 mL	5.0 mL	7 SU
410-154654-A-3	MW-5-UF-20231212	3510C, 8081B	T	414.17 g	166.81 g	n/a	247.4 mL	5.0 mL	7 SU
410-154654-A-4	MW-5-F-20231212	3510C, 8081B	T	416.73 g	166.45 g	n/a	250.3 mL	5.0 mL	7 SU
410-154654-A-5	MW-4-UF-20231212	3510C, 8081B	T	414.38 g	166.34 g	n/a	248 mL	5.0 mL	7 SU
410-154654-A-6	MW-4-F-20231212	3510C, 8081B	T	417.26 g	166.82 g	n/a	250.4 mL	5.0 mL	7 SU
410-154654-A-7	MW-2D-UF-20231212	3510C, 8081B	T	409.93 g	167.66 g	n/a	242.3 mL	5.0 mL	7 SU
410-154654-A-8	MW-2D-F-20231212	3510C, 8081B	T	418.06 g	168.10 g	n/a	250 mL	5.0 mL	7 SU
410-154654-A-9	DUP-20231212-UF	3510C, 8081B	T	416.84 g	167.21 g	n/a	249.6 mL	5.0 mL	7 SU
410-154654-A-10	DUP-20231212-F	3510C, 8081B	T	409.40 g	166.97 g	n/a	242.4 mL	5.0 mL	7 SU
410-154654-A-11	FB-20231212-UF	3510C, 8081B	T	403.06 g	167.50 g	n/a	235.6 mL	5.0 mL	6 SU
410-154654-A-12	FB-20231212-F	3510C, 8081B	T	415.82 g	167.51 g	n/a	248.3 mL	5.0 mL	6 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_SW_SS 00032	OP_SW846_MS 00070	AnalysisComment
MB 410-455243/1		3510C, 8081B		n/a SU	n/a SU	n	0.25 mL		DI H2O
LCS 410-455243/2		3510C, 8081B		n/a SU	n/a SU	n	0.25 mL	0.25 mL	DI H2O
410-154654-A-1 MS	MW-3-UF-20231212 MS/MSD	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL	0.25 mL	Clear
410-154654-A-1 MSD	MW-3-UF-20231212 MS/MSD	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL	0.25 mL	Clear
410-154654-A-1	MW-3-UF-20231212	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		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 Laboratories Job No.: 410-154654-1

SDG No.:

Batch Number: 455243 Batch Start Date: 12/18/23 10:00 Batch Analyst: Hall, Patrick

Batch Method: 3510C Batch End Date: 12/18/23 14:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	FirstAdjustpH	SecondAdjustpH	CUPerformed	OP_SW_SS 00032	OP_SW846_MS 00070	AnalysisComment
410-154654-A-2 MS	MW-3-F-20231212 MS/MSD	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL	0.25 mL	Clear
410-154654-A-2 MSD	MW-3-F-20231212 MS/MSD	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL	0.25 mL	Clear
410-154654-A-2	MW-3-F-20231212	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Clear
410-154654-A-3	MW-5-UF-20231212	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Yellow Tint
410-154654-A-4	MW-5-F-20231212	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Yellow Tint
410-154654-A-5	MW-4-UF-20231212	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Pale Yellow Tint
410-154654-A-6	MW-4-F-20231212	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Pale Yellow Tint
410-154654-A-7	MW-2D-UF-20231212	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Pale Yellow Tint, Brown Sediment
410-154654-A-8	MW-2D-F-20231212	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Pale Yellow Tint
410-154654-A-9	DUP-20231212-UF	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Pale Yellow Tint
410-154654-A-10	DUP-20231212-F	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Pale Yellow Tint
410-154654-A-11	FB-20231212-UF	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Pale Yellow Tint
410-154654-A-12	FB-20231212-F	3510C, 8081B	T	n/a SU	n/a SU	n	0.25 mL		Pale Yellow Tint

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 Laboratories | Job No.: 410-154654-1

SDG No.:

Batch Number: 455243 | Batch Start Date: 12/18/23 10:00 | Batch Analyst: Hall, Patrick

Batch Method: 3510C | Batch End Date: 12/18/23 14:04

Batch Notes	
Balance ID	93158
Balance is Level? (Y/N)	yes
Pipette/Syringe/Dispenser ID	4
Analyst ID - Extraction	PDH91662, HAS95678, AGC40972
Analyst ID - Spike Analyst	PDH91662, HAS95678, AGC40972
Acid Used for pH Adjustment ID	H2SO4: 225894
Base Used to Adjust pH ID	NaOH: 4210F91
Prep Solvent ID	MeCl2: 63223
Prep Solvent Volume Used	90
Na2SO4 ID	23349A
Analyst ID - Concentration	PDH91662, HAS95678, AGC40972
Equipment ID - Concentration 1	Buchi
Concentration 1 Corrected Temperature	55 Degrees C
Vial Lot Number	21116173
Pipette Tip Lot ID	L208607R

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 Laboratories Job No.: 410-154654-1

SDG No.:

Batch Number: 455561 Batch Start Date: 12/19/23 04:49 Batch Analyst: Dale, Anita M

Batch Method: 8081B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MIXA1 00011	GCS_MIXA2 00010	GCS_MIXA3 00011	GCS_MIXA4 00015	GCS_MIXA5 00014	GCS_MIXA6 00010
IC 410-455561/7		8081B		1 mL					
IC 410-455561/8		8081B			1 mL				
IC 410-455561/9		8081B				1 mL			
ICRT 410-455561/10		8081B					1 mL		
IC 410-455561/11		8081B						1 mL	
IC 410-455561/12		8081B							1 mL
ICV 410-455561/13		8081B							

Lab Sample ID	Client Sample ID	Method Chain	Basis	GCS_MIXAICV 00016					
IC 410-455561/7		8081B							
IC 410-455561/8		8081B							
IC 410-455561/9		8081B							
ICRT 410-455561/10		8081B							
IC 410-455561/11		8081B							
IC 410-455561/12		8081B							
ICV 410-455561/13		8081B		1 mL					

Batch Notes	
Diluting Solvent ID	hexane 63258
Vial Lot Number	21116173

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.

Shipping and Receiving Documents

Eurofin
2425 New
Lancaster,
Phone: 71

410-154654 Chain of Custody

Chain of Custody Record

eurofins | Environment Testing

Client Ir.	Sampler: MH/M / JC	Lab PM: Weyandt, Barbara A	Carrier Tracking No(s):	COC No: 410-104032-8178.1
Client Contact: Mr. Brian Taylor	Phone:	E-Mail: Barbara.Weyandt@et eurofinsus.com	State of Origin: NY	Page: Page 1 of 2
Company: Brown and Caldwell	PWSID:			Job #:

Address: 3 Marcus Blvd Suite 106	Due Date Requested:	
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:	SSOW#:	

Analysis Requested

Preservation Codes:
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, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B - TCL OC Pesticides	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MW-3-UF-20231212 (MS/MSD)	12/12/23	0931	G	GW		X	X	6	MS/MSD
MW-3-F-20231212 (MS/MSD)		0936			X	X	X	6	MS/MSD
MW-5-UF-20231212		1031				X	X	2	No MS/MSD
MW-5-F-20231212		1036			X	X	X	2	No MS/MSD
MW-11-UF-20231212		1133					X	2	
MW-11-F-20231212		1138			X		X	2	
MW-2D-UF-20231212		1250					X	2	
MW-2D-F-20231212		1255			X		X	2	
DUP-20231212-UF		9998					X	2	
DUP-20231212-F		9999			X		X	2	
FB-20231212-UF		1202		BT			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) RC EQuS, NYS Cat B

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment	
Relinquished by:	Date/Time: 12/13/23 1230	Company	Received by:	Date/Time: 12/13/23 1230	Company: Eurofins
Relinquished by:	Date/Time: 12/13/23 1420	Company: Eurofins	Received by:	Date/Time: 12/13/23 1420	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

NJ R:2.7 C:2.5 NP

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone: 717-656-2300 Fax: 717-656-2681

Chain of Custody Record

eurofins

Client Information	Sampler: MHM / JC	Lab PM: Weyandt, Barbara A	Carrier Tracking No(s):	COC No: 410-104032-8178.2
Client Contact: Mr. Brian Taylor	Phone:	E-Mail: Barbara.Weyandt@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: Brown and Caldwell	PWSID:			Job #:
Address: 3 Marcus Blvd Suite 106	Due Date Requested:			
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:	SSOW#:			

Analysis Requested

Preservation Codes:
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, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B - TCL OC Pesticides	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N			
FB-20231212-F	12/12/23	1203	G	GW DI	X	X		2	

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

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

Deliverable Requested: I, II, III, IV, Other (specify) BC EQuIS, NYS Cat B

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		12/13/23 1230			12/13/23 1230	Eurofins
2		12/13/23 1920	Eurofins		Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	12/13/23 1920	Company

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

NS

R:2.7 C:2.5

MP

Login Sample Receipt Checklist

Client: Brown and Caldwell

Job Number: 410-154654-1

Login Number: 154654

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Santiago, Nathaniel

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brian Taylor
Brown and Caldwell
3 Marcus Blvd
Suite 106
Albany NY 12205

Generated 12/18/2023 10:58 AM

JOB DESCRIPTION

Bartlett Tree Site, NY

JOB NUMBER

410-154614-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

See page two for job notes and contact information.

myEOL

Eurofins Lancaster Laboratories Environment Testing, LLC

Job Notes

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

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

Authorization

Barb Weyandt

Generated
12/18/2023 10:58 AM

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

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

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

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

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



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Job Narrative
410-154614-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 12/13/2023 7:20 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
Job ID: 410-154614-1
Project/Site: Bartlett Tree Site, NY

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
410-154614-1	SV-1-20231212	Air	12/12/23 16:36	12/13/23 19:20	Air Canister (6-Liter) #875
410-154614-2	AA-1-20231212	Air	12/12/23 16:35	12/13/23 19:20	Air Canister (6-Liter) #1513
410-154614-3	IA-1-20231212	Air	12/12/23 16:36	12/13/23 19:20	Air Canister (6-Liter) #1538

Detection Summary

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

Job ID: 410-154614-1

Client Sample ID: SV-1-20231212 — Lab Sample ID: 410-154614-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	13		5.5	0.65	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	6.3	J	9.8	1.4	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	2.3	J	9.8	1.6	ug/m3	1		TO-15	Total/NA
2-Butanone	44		2.9	0.62	ug/m3	1		TO-15	Total/NA
2-Hexanone	3.6	J	8.2	2.0	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	1.6	J	4.9	0.88	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone	2.1	J	4.1	0.61	ug/m3	1		TO-15	Total/NA
Benzene	5.5		3.2	0.35	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.5	J	3.1	1.2	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	1.5	J	6.3	0.88	ug/m3	1		TO-15	Total/NA
Chloroform	7.5		4.9	0.45	ug/m3	1		TO-15	Total/NA
Cumene	1.7	J	4.9	1.2	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	12		4.9	0.64	ug/m3	1		TO-15	Total/NA
Ethylbenzene	4.4		4.3	0.83	ug/m3	1		TO-15	Total/NA
Heptane	4.8		4.1	0.94	ug/m3	1		TO-15	Total/NA
Hexane	3.6		3.5	1.1	ug/m3	1		TO-15	Total/NA
Isooctane	2.3	J	4.7	1.9	ug/m3	1		TO-15	Total/NA
m&p-Xylene	18		4.3	1.1	ug/m3	1		TO-15	Total/NA
o-Xylene	6.0		4.3	0.83	ug/m3	1		TO-15	Total/NA
Octane	4.0	J	9.3	1.9	ug/m3	1		TO-15	Total/NA
Pentane	4.6		3.0	0.59	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	370		14	1.7	ug/m3	1		TO-15	Total/NA
Toluene	25		3.8	1.5	ug/m3	1		TO-15	Total/NA
Trichloroethene	5.6		5.4	0.97	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	5.4	J	5.6	0.84	ug/m3	1		TO-15	Total/NA
Acetone - DL	160		24	4.8	ug/m3	2		TO-15	Total/NA

Client Sample ID: AA-1-20231212 — Lab Sample ID: 410-154614-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	0.85	J	2.9	0.62	ug/m3	1		TO-15	Total/NA
Acetone	14		12	2.4	ug/m3	1		TO-15	Total/NA
Benzene	0.88	J	3.2	0.35	ug/m3	1		TO-15	Total/NA
Chloromethane	1.1	J	2.1	0.83	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.6	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Hexane	11		3.5	1.1	ug/m3	1		TO-15	Total/NA
m&p-Xylene	2.4	J	4.3	1.1	ug/m3	1		TO-15	Total/NA
Methylene Chloride	5.5	J	6.9	0.87	ug/m3	1		TO-15	Total/NA
Pentane	2.0	J	3.0	0.59	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	2.8	J	14	1.7	ug/m3	1		TO-15	Total/NA
Toluene	4.1		3.8	1.5	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1	J	5.6	0.84	ug/m3	1		TO-15	Total/NA

Client Sample ID: IA-1-20231212 — Lab Sample ID: 410-154614-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	5.9	J	9.8	1.4	ug/m3	1		TO-15	Total/NA
2-Butanone	3.9		2.9	0.62	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	1.1	J	4.9	0.88	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone	0.61	J	4.1	0.61	ug/m3	1		TO-15	Total/NA
Acetone	19		12	2.4	ug/m3	1		TO-15	Total/NA
Benzene	2.2	J	3.2	0.35	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: IA-1-20231212 (Continued)

Lab Sample ID: 410-154614-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloromethane	0.86	J	2.1	0.83	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.97	J	4.0	0.79	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane	2.4	J	4.9	0.64	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.9	J	4.3	0.83	ug/m3	1		TO-15	Total/NA
Heptane	1.5	J	4.1	0.94	ug/m3	1		TO-15	Total/NA
Hexane	11		3.5	1.1	ug/m3	1		TO-15	Total/NA
Isooctane	2.6	J	4.7	1.9	ug/m3	1		TO-15	Total/NA
m&p-Xylene	8.9		4.3	1.1	ug/m3	1		TO-15	Total/NA
Methylene Chloride	3.9	J	6.9	0.87	ug/m3	1		TO-15	Total/NA
o-Xylene	3.1	J	4.3	0.83	ug/m3	1		TO-15	Total/NA
Pentane	8.6		3.0	0.59	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	3.5	J	14	1.7	ug/m3	1		TO-15	Total/NA
Toluene	13		3.8	1.5	ug/m3	1		TO-15	Total/NA
trans-1,2-Dichloroethene	1.2	J	4.0	0.79	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.1	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
Job ID: 410-154614-1
Project/Site: Bartlett Tree Site, NY

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Client Sample ID: SV-1-20231212
Lab Sample ID: 410-154614-1

Date Collected: 12/12/23 16:36
Matrix: Air
Date Received: 12/13/23 19:20
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/14/23 14:46	1
1,1,1-Trichloroethane	**13**		5.5	0.65	ug/m3			12/14/23 14:46	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/14/23 14:46	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/14/23 14:46	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/14/23 14:46	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/14/23 14:46	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/14/23 14:46	1
1,2,4-Trimethylbenzene	**6.3**	**J**	9.8	1.4	ug/m3			12/14/23 14:46	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/14/23 14:46	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/14/23 14:46	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/14/23 14:46	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/14/23 14:46	1
1,3,5-Trimethylbenzene	**2.3**	**J**	9.8	1.6	ug/m3			12/14/23 14:46	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/14/23 14:46	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/14/23 14:46	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/14/23 14:46	1
2-Butanone	**44**		2.9	0.62	ug/m3			12/14/23 14:46	1
2-Hexanone	**3.6**	**J**	8.2	2.0	ug/m3			12/14/23 14:46	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/14/23 14:46	1
4-Ethyltoluene	**1.6**	**J**	4.9	0.88	ug/m3			12/14/23 14:46	1
4-Methyl-2-pentanone	**2.1**	**J**	4.1	0.61	ug/m3			12/14/23 14:46	1
Benzene	**5.5**		3.2	0.35	ug/m3			12/14/23 14:46	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/14/23 14:46	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/14/23 14:46	1
Bromoform	ND		10	4.1	ug/m3			12/14/23 14:46	1
Bromomethane	ND		3.9	0.78	ug/m3			12/14/23 14:46	1
Carbon disulfide	**1.5**	**J**	3.1	1.2	ug/m3			12/14/23 14:46	1
Carbon tetrachloride	**1.5**	**J**	6.3	0.88	ug/m3			12/14/23 14:46	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/14/23 14:46	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/14/23 14:46	1
Chloroethane	ND		2.6	0.79	ug/m3			12/14/23 14:46	1
Chloroform	**7.5**		4.9	0.45	ug/m3			12/14/23 14:46	1
Chloromethane	ND		2.1	0.83	ug/m3			12/14/23 14:46	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/14/23 14:46	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/14/23 14:46	1
Cumene	**1.7**	**J**	4.9	1.2	ug/m3			12/14/23 14:46	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/14/23 14:46	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/14/23 14:46	1
Dichlorodifluoromethane	**12**		4.9	0.64	ug/m3			12/14/23 14:46	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/14/23 14:46	1
Ethylbenzene	**4.4**		4.3	0.83	ug/m3			12/14/23 14:46	1
Freon 113	ND		7.7	1.5	ug/m3			12/14/23 14:46	1
Freon-114	ND		7.0	0.84	ug/m3			12/14/23 14:46	1
Heptane	**4.8**		4.1	0.94	ug/m3			12/14/23 14:46	1
Hexachloroethane	ND		19	2.6	ug/m3			12/14/23 14:46	1
Hexane	**3.6**		3.5	1.1	ug/m3			12/14/23 14:46	1
Isooctane	**2.3**	**J**	4.7	1.9	ug/m3			12/14/23 14:46	1
m&p-Xylene	**18**		4.3	1.1	ug/m3			12/14/23 14:46	1

Client Sample ID: SV-1-20231212
Lab Sample ID: 410-154614-1

Date Collected: 12/12/23 16:36
Matrix: Air
Date Received: 12/13/23 19:20
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/14/23 14:46	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/14/23 14:46	1
o-Xylene	**6.0**		4.3	0.83	ug/m3			12/14/23 14:46	1
Octane	**4.0**	**J**	9.3	1.9	ug/m3			12/14/23 14:46	1
Pentane	**4.6**		3.0	0.59	ug/m3			12/14/23 14:46	1
Styrene	ND		4.3	0.85	ug/m3			12/14/23 14:46	1
Tetrachloroethene	**370**		14	1.7	ug/m3			12/14/23 14:46	1
Toluene	**25**		3.8	1.5	ug/m3			12/14/23 14:46	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/14/23 14:46	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/14/23 14:46	1
Trichloroethene	**5.6**		5.4	0.97	ug/m3			12/14/23 14:46	1
Trichlorofluoromethane	**5.4**	**J**	5.6	0.84	ug/m3			12/14/23 14:46	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/14/23 14:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**160**		24	4.8	ug/m3			12/15/23 10:45	2

Client Sample ID: AA-1-20231212
Lab Sample ID: 410-154614-2

Date Collected: 12/12/23 16:35
Matrix: Air
Date Received: 12/13/23 19:20
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/14/23 15:10	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/14/23 15:10	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/14/23 15:10	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/14/23 15:10	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/14/23 15:10	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/14/23 15:10	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/14/23 15:10	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/14/23 15:10	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/14/23 15:10	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/14/23 15:10	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/14/23 15:10	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/14/23 15:10	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/14/23 15:10	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/14/23 15:10	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/14/23 15:10	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/14/23 15:10	1
2-Butanone	**0.85**	**J**	2.9	0.62	ug/m3			12/14/23 15:10	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/14/23 15:10	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/14/23 15:10	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/14/23 15:10	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/14/23 15:10	1
Acetone	**14**		12	2.4	ug/m3			12/14/23 15:10	1
Benzene	**0.88**	**J**	3.2	0.35	ug/m3			12/14/23 15:10	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/14/23 15:10	1

Client Sample ID: AA-1-20231212
Lab Sample ID: 410-154614-2

Date Collected: 12/12/23 16:35
Matrix: Air
Date Received: 12/13/23 19:20
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/14/23 15:10	1
Bromoform	ND		10	4.1	ug/m3			12/14/23 15:10	1
Bromomethane	ND		3.9	0.78	ug/m3			12/14/23 15:10	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/14/23 15:10	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/14/23 15:10	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/14/23 15:10	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/14/23 15:10	1
Chloroethane	ND		2.6	0.79	ug/m3			12/14/23 15:10	1
Chloroform	ND		4.9	0.45	ug/m3			12/14/23 15:10	1
Chloromethane	**1.1**	**J**	2.1	0.83	ug/m3			12/14/23 15:10	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/14/23 15:10	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/14/23 15:10	1
Cumene	ND		4.9	1.2	ug/m3			12/14/23 15:10	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/14/23 15:10	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/14/23 15:10	1
Dichlorodifluoromethane	**2.6**	**J**	4.9	0.64	ug/m3			12/14/23 15:10	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/14/23 15:10	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/14/23 15:10	1
Freon 113	ND		7.7	1.5	ug/m3			12/14/23 15:10	1
Freon-114	ND		7.0	0.84	ug/m3			12/14/23 15:10	1
Heptane	ND		4.1	0.94	ug/m3			12/14/23 15:10	1
Hexachloroethane	ND		19	2.6	ug/m3			12/14/23 15:10	1
Hexane	**11**		3.5	1.1	ug/m3			12/14/23 15:10	1
Isooctane	ND		4.7	1.9	ug/m3			12/14/23 15:10	1
m&p-Xylene	**2.4**	**J**	4.3	1.1	ug/m3			12/14/23 15:10	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/14/23 15:10	1
Methylene Chloride	**5.5**	**J**	6.9	0.87	ug/m3			12/14/23 15:10	1
o-Xylene	ND		4.3	0.83	ug/m3			12/14/23 15:10	1
Octane	ND		9.3	1.9	ug/m3			12/14/23 15:10	1
Pentane	**2.0**	**J**	3.0	0.59	ug/m3			12/14/23 15:10	1
Styrene	ND		4.3	0.85	ug/m3			12/14/23 15:10	1
Tetrachloroethene	**2.8**	**J**	14	1.7	ug/m3			12/14/23 15:10	1
Toluene	**4.1**		3.8	1.5	ug/m3			12/14/23 15:10	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/14/23 15:10	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/14/23 15:10	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/14/23 15:10	1
Trichlorofluoromethane	**1.1**	**J**	5.6	0.84	ug/m3			12/14/23 15:10	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/14/23 15:10	1

Client Sample ID: IA-1-20231212
Lab Sample ID: 410-154614-3

Date Collected: 12/12/23 16:36
Matrix: Air
Date Received: 12/13/23 19:20
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/14/23 15:34	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/14/23 15:34	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/14/23 15:34	1

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

Job ID: 410-154614-1

Client Sample ID: IA-1-20231212
Date Collected: 12/12/23 16:36
Date Received: 12/13/23 19:20
Sample Container: Summa Canister 6L

Lab Sample ID: 410-154614-3
Matrix: Air

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/14/23 15:34	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/14/23 15:34	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/14/23 15:34	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/14/23 15:34	1
1,2,4-Trimethylbenzene	**5.9**	**J**	9.8	1.4	ug/m3			12/14/23 15:34	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/14/23 15:34	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/14/23 15:34	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/14/23 15:34	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/14/23 15:34	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/14/23 15:34	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/14/23 15:34	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/14/23 15:34	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/14/23 15:34	1
2-Butanone	**3.9**		2.9	0.62	ug/m3			12/14/23 15:34	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/14/23 15:34	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/14/23 15:34	1
4-Ethyltoluene	**1.1**	**J**	4.9	0.88	ug/m3			12/14/23 15:34	1
4-Methyl-2-pentanone	**0.61**	**J**	4.1	0.61	ug/m3			12/14/23 15:34	1
Acetone	**19**		12	2.4	ug/m3			12/14/23 15:34	1
Benzene	**2.2**	**J**	3.2	0.35	ug/m3			12/14/23 15:34	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/14/23 15:34	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/14/23 15:34	1
Bromoform	ND		10	4.1	ug/m3			12/14/23 15:34	1
Bromomethane	ND		3.9	0.78	ug/m3			12/14/23 15:34	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/14/23 15:34	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/14/23 15:34	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/14/23 15:34	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/14/23 15:34	1
Chloroethane	ND		2.6	0.79	ug/m3			12/14/23 15:34	1
Chloroform	ND		4.9	0.45	ug/m3			12/14/23 15:34	1
Chloromethane	**0.86**	**J**	2.1	0.83	ug/m3			12/14/23 15:34	1
cis-1,2-Dichloroethene	**0.97**	**J**	4.0	0.79	ug/m3			12/14/23 15:34	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/14/23 15:34	1
Cumene	ND		4.9	1.2	ug/m3			12/14/23 15:34	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/14/23 15:34	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/14/23 15:34	1
Dichlorodifluoromethane	**2.4**	**J**	4.9	0.64	ug/m3			12/14/23 15:34	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/14/23 15:34	1
Ethylbenzene	**2.9**	**J**	4.3	0.83	ug/m3			12/14/23 15:34	1
Freon 113	ND		7.7	1.5	ug/m3			12/14/23 15:34	1
Freon-114	ND		7.0	0.84	ug/m3			12/14/23 15:34	1
Heptane	**1.5**	**J**	4.1	0.94	ug/m3			12/14/23 15:34	1
Hexachloroethane	ND		19	2.6	ug/m3			12/14/23 15:34	1
Hexane	**11**		3.5	1.1	ug/m3			12/14/23 15:34	1
Isooctane	**2.6**	**J**	4.7	1.9	ug/m3			12/14/23 15:34	1
m&p-Xylene	**8.9**		4.3	1.1	ug/m3			12/14/23 15:34	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/14/23 15:34	1
Methylene Chloride	**3.9**	**J**	6.9	0.87	ug/m3			12/14/23 15:34	1

Client: Brown and Caldwell
Job ID: 410-154614-1
Project/Site: Bartlett Tree Site, NY

Client Sample ID: IA-1-20231212
Lab Sample ID: 410-154614-3
Date Collected: 12/12/23 16:36
Matrix: Air
Date Received: 12/13/23 19:20
Sample Container: Summa Canister 6L

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**3.1**	**J**	4.3	0.83	ug/m3			12/14/23 15:34	1
Octane	ND		9.3	1.9	ug/m3			12/14/23 15:34	1
Pentane	**8.6**		3.0	0.59	ug/m3			12/14/23 15:34	1
Styrene	ND		4.3	0.85	ug/m3			12/14/23 15:34	1
Tetrachloroethene	**3.5**	**J**	14	1.7	ug/m3			12/14/23 15:34	1
Toluene	**13**		3.8	1.5	ug/m3			12/14/23 15:34	1
trans-1,2-Dichloroethene	**1.2**	**J**	4.0	0.79	ug/m3			12/14/23 15:34	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/14/23 15:34	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/14/23 15:34	1
Trichlorofluoromethane	**1.1**	**J**	5.6	0.84	ug/m3			12/14/23 15:34	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/14/23 15:34	1

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

Lab Sample ID: MB 410-453905/8
Matrix: Air
Analysis Batch: 453905

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			12/14/23 10:57	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/14/23 10:57	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/14/23 10:57	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/14/23 10:57	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/14/23 10:57	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/14/23 10:57	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/14/23 10:57	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/14/23 10:57	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/14/23 10:57	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/14/23 10:57	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/14/23 10:57	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/14/23 10:57	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/14/23 10:57	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/14/23 10:57	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/14/23 10:57	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/14/23 10:57	1
2-Butanone	ND		2.9	0.62	ug/m3			12/14/23 10:57	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/14/23 10:57	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/14/23 10:57	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/14/23 10:57	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/14/23 10:57	1
Acetone	ND		12	2.4	ug/m3			12/14/23 10:57	1
Benzene	ND		3.2	0.35	ug/m3			12/14/23 10:57	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/14/23 10:57	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/14/23 10:57	1
Bromoform	ND		10	4.1	ug/m3			12/14/23 10:57	1
Bromomethane	ND		3.9	0.78	ug/m3			12/14/23 10:57	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/14/23 10:57	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/14/23 10:57	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/14/23 10:57	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/14/23 10:57	1
Chloroethane	ND		2.6	0.79	ug/m3			12/14/23 10:57	1
Chloroform	ND		4.9	0.45	ug/m3			12/14/23 10:57	1
Chloromethane	ND		2.1	0.83	ug/m3			12/14/23 10:57	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/14/23 10:57	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/14/23 10:57	1
Cumene	ND		4.9	1.2	ug/m3			12/14/23 10:57	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/14/23 10:57	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/14/23 10:57	1
Dichlorodifluoromethane	ND		4.9	0.64	ug/m3			12/14/23 10:57	1
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/14/23 10:57	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/14/23 10:57	1
Freon 113	ND		7.7	1.5	ug/m3			12/14/23 10:57	1
Freon-114	ND		7.0	0.84	ug/m3			12/14/23 10:57	1
Heptane	ND		4.1	0.94	ug/m3			12/14/23 10:57	1
Hexachloroethane	ND		19	2.6	ug/m3			12/14/23 10:57	1
Hexane	ND		3.5	1.1	ug/m3			12/14/23 10:57	1
Isooctane	ND		4.7	1.9	ug/m3			12/14/23 10:57	1

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

Lab Sample ID: MB 410-453905/8
Matrix: Air
Analysis Batch: 453905

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			12/14/23 10:57	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/14/23 10:57	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/14/23 10:57	1
o-Xylene	ND		4.3	0.83	ug/m3			12/14/23 10:57	1
Octane	ND		9.3	1.9	ug/m3			12/14/23 10:57	1
Pentane	ND		3.0	0.59	ug/m3			12/14/23 10:57	1
Styrene	ND		4.3	0.85	ug/m3			12/14/23 10:57	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/14/23 10:57	1
Toluene	ND		3.8	1.5	ug/m3			12/14/23 10:57	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/14/23 10:57	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/14/23 10:57	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/14/23 10:57	1
Trichlorofluoromethane	ND		5.6	0.84	ug/m3			12/14/23 10:57	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/14/23 10:57	1

Lab Sample ID: LCS 410-453905/5
Matrix: Air
Analysis Batch: 453905

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	68.6	66.6		ug/m3		97	73 - 124
1,1,1-Trichloroethane	54.6	49.8		ug/m3		91	70 - 130
1,1,2,2-Tetrachloroethane	68.7	63.7		ug/m3		93	68 - 138
1,1,2-Trichloroethane	54.6	52.3		ug/m3		96	76 - 127
1,1-Dichloroethane	40.5	37.7		ug/m3		93	70 - 130
1,1-Dichloroethene	39.6	40.8		ug/m3		103	70 - 131
1,2,3-Trichloropropane	60.3	54.4		ug/m3		90	70 - 136
1,2,4-Trimethylbenzene	49.2	60.1		ug/m3		122	65 - 146
1,2-Dibromoethane	76.8	76.8		ug/m3		100	70 - 130
1,2-Dichlorobenzene	60.1	64.7		ug/m3		108	61 - 139
1,2-Dichloroethane	40.5	32.1		ug/m3		79	70 - 142
1,2-Dichloropropane	46.2	38.2		ug/m3		83	70 - 130
1,3,5-Trimethylbenzene	49.2	57.1		ug/m3		116	69 - 141
1,3-Butadiene	22.1	23.5		ug/m3		106	70 - 131
1,3-Dichlorobenzene	60.1	62.8		ug/m3		104	64 - 140
1,4-Dichlorobenzene	60.1	65.0		ug/m3		108	64 - 137
2-Butanone	29.5	30.2		ug/m3		102	70 - 130
2-Hexanone	41.0	38.8		ug/m3		95	63 - 144
3-Chloroprene	31.3	31.1		ug/m3		99	70 - 156
4-Ethyltoluene	49.2	56.6		ug/m3		115	69 - 139
4-Methyl-2-pentanone	41.0	35.6		ug/m3		87	68 - 133
Acetone	23.8	19.9		ug/m3		84	70 - 137
Benzene	31.9	28.5		ug/m3		89	70 - 130
Bromobenzene	64.2	64.2		ug/m3		100	70 - 130
Bromodichloromethane	67.0	54.6		ug/m3		81	75 - 134
Bromoform	103	98.7		ug/m3		95	60 - 139
Bromomethane	38.8	42.5		ug/m3		110	70 - 134
Carbon disulfide	31.1	32.1		ug/m3		103	70 - 130
Carbon tetrachloride	62.9	56.7		ug/m3		90	70 - 130

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

Lab Sample ID: LCS 410-453905/5
Matrix: Air
Analysis Batch: 453905

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	44.5		ug/m3		97	76 - 117
Chlorodifluoromethane	35.4	33.7		ug/m3		95	70 - 141
Chloroethane	26.4	24.2		ug/m3		92	70 - 131
Chloroform	48.8	44.3		ug/m3		91	70 - 130
Chloromethane	20.7	17.6		ug/m3		85	70 - 138
cis-1,2-Dichloroethene	39.6	37.3		ug/m3		94	70 - 130
cis-1,3-Dichloropropene	45.4	41.1		ug/m3		91	70 - 130
Cumene	49.2	57.3		ug/m3		117	70 - 131
Dibromochloromethane	85.2	80.2		ug/m3		94	74 - 131
Dibromomethane	71.1	65.5		ug/m3		92	70 - 130
Dichlorodifluoromethane	49.5	47.6		ug/m3		96	70 - 131
Dichlorofluoromethane	42.1	44.9		ug/m3		107	70 - 136
Ethylbenzene	43.4	45.4		ug/m3		104	70 - 130
Freon 113	76.6	67.9		ug/m3		89	70 - 130
Freon-114	69.9	65.4		ug/m3		93	70 - 130
Heptane	41.0	44.0		ug/m3		107	70 - 130
Hexachloroethane	96.8	98.0		ug/m3		101	38 - 163
Hexane	35.2	33.6		ug/m3		95	70 - 130
Isooctane	46.7	49.7		ug/m3		106	70 - 130
m&p-Xylene	43.4	47.8		ug/m3		110	78 - 119
Methyl t-butyl ether	36.1	38.6		ug/m3		107	70 - 130
Methylene Chloride	34.7	34.4		ug/m3		99	70 - 139
o-Xylene	43.4	47.8		ug/m3		110	70 - 130
Octane	46.7	47.0		ug/m3		101	70 - 130
Pentane	29.5	25.2		ug/m3		85	70 - 130
Styrene	42.6	51.2		ug/m3		120	70 - 133
Tetrachloroethene	67.8	67.5		ug/m3		100	70 - 130
Toluene	37.7	37.9		ug/m3		101	70 - 130
trans-1,2-Dichloroethene	39.6	39.7		ug/m3		100	70 - 130
trans-1,3-Dichloropropene	45.4	44.0		ug/m3		97	70 - 130
Trichloroethene	53.7	50.9		ug/m3		95	70 - 130
Trichlorofluoromethane	56.2	50.3		ug/m3		89	70 - 130
Vinyl chloride	25.6	27.2		ug/m3		106	70 - 135

Lab Sample ID: LCSD 410-453905/6
Matrix: Air
Analysis Batch: 453905

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	65.2		ug/m3		95	73 - 124	2	25
1,1,1-Trichloroethane	54.6	49.1		ug/m3		90	70 - 130	1	25
1,1,2,2-Tetrachloroethane	68.7	61.9		ug/m3		90	68 - 138	3	25
1,1,2-Trichloroethane	54.6	50.2		ug/m3		92	76 - 127	4	25
1,1-Dichloroethane	40.5	37.5		ug/m3		93	70 - 130	0	25
1,1-Dichloroethene	39.6	41.6		ug/m3		105	70 - 131	2	25
1,2,3-Trichloropropane	60.3	53.2		ug/m3		88	70 - 136	2	25
1,2,4-Trimethylbenzene	49.2	59.2		ug/m3		120	65 - 146	2	25
1,2-Dibromoethane	76.8	75.5		ug/m3		98	70 - 130	2	25
1,2-Dichlorobenzene	60.1	63.2		ug/m3		105	61 - 139	2	25

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

Lab Sample ID: LCSD 410-453905/6
Matrix: Air
Analysis Batch: 453905

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	32.0		ug/m3		79	70 - 142	0	25
1,2-Dichloropropane	46.2	38.1		ug/m3		83	70 - 130	0	25
1,3,5-Trimethylbenzene	49.2	56.3		ug/m3		115	69 - 141	1	25
1,3-Butadiene	22.1	23.8		ug/m3		107	70 - 131	1	25
1,3-Dichlorobenzene	60.1	62.4		ug/m3		104	64 - 140	1	25
1,4-Dichlorobenzene	60.1	63.5		ug/m3		106	64 - 137	2	25
2-Butanone	29.5	30.4		ug/m3		103	70 - 130	0	25
2-Hexanone	41.0	39.0		ug/m3		95	63 - 144	1	25
3-Chloroprene	31.3	35.1		ug/m3		112	70 - 156	12	25
4-Ethyltoluene	49.2	55.3		ug/m3		113	69 - 139	2	25
4-Methyl-2-pentanone	41.0	35.7		ug/m3		87	68 - 133	0	25
Acetone	23.8	20.2		ug/m3		85	70 - 137	1	25
Benzene	31.9	28.9		ug/m3		90	70 - 130	2	25
Bromobenzene	64.2	62.1		ug/m3		97	70 - 130	3	25
Bromodichloromethane	67.0	54.1		ug/m3		81	75 - 134	1	25
Bromoform	103	96.6		ug/m3		93	60 - 139	2	25
Bromomethane	38.8	42.5		ug/m3		110	70 - 134	0	25
Carbon disulfide	31.1	32.3		ug/m3		104	70 - 130	1	25
Carbon tetrachloride	62.9	57.3		ug/m3		91	70 - 130	1	25
Chlorobenzene	46.0	43.9		ug/m3		95	76 - 117	1	25
Chlorodifluoromethane	35.4	33.9		ug/m3		96	70 - 141	0	25
Chloroethane	26.4	24.7		ug/m3		93	70 - 131	2	25
Chloroform	48.8	44.8		ug/m3		92	70 - 130	1	25
Chloromethane	20.7	17.9		ug/m3		87	70 - 138	2	25
cis-1,2-Dichloroethene	39.6	38.1		ug/m3		96	70 - 130	2	25
cis-1,3-Dichloropropene	45.4	42.0		ug/m3		93	70 - 130	2	25
Cumene	49.2	56.4		ug/m3		115	70 - 131	2	25
Dibromochloromethane	85.2	78.9		ug/m3		93	74 - 131	2	25
Dibromomethane	71.1	65.5		ug/m3		92	70 - 130	0	25
Dichlorodifluoromethane	49.5	47.9		ug/m3		97	70 - 131	0	25
Dichlorofluoromethane	42.1	45.4		ug/m3		108	70 - 136	1	25
Ethylbenzene	43.4	45.2		ug/m3		104	70 - 130	0	25
Freon 113	76.6	68.5		ug/m3		89	70 - 130	1	25
Freon-114	69.9	66.2		ug/m3		95	70 - 130	1	25
Heptane	41.0	43.8		ug/m3		107	70 - 130	1	25
Hexachloroethane	96.8	97.0		ug/m3		100	38 - 163	1	25
Hexane	35.2	34.0		ug/m3		96	70 - 130	1	25
Isooctane	46.7	50.1		ug/m3		107	70 - 130	1	25
m&p-Xylene	43.4	47.0		ug/m3		108	78 - 119	2	25
Methyl t-butyl ether	36.1	38.8		ug/m3		108	70 - 130	0	25
Methylene Chloride	34.7	34.9		ug/m3		100	70 - 139	1	25
o-Xylene	43.4	47.0		ug/m3		108	70 - 130	2	25
Octane	46.7	47.3		ug/m3		101	70 - 130	1	25
Pentane	29.5	26.1		ug/m3		89	70 - 130	4	25
Styrene	42.6	50.1		ug/m3		118	70 - 133	2	25
Tetrachloroethene	67.8	66.8		ug/m3		98	70 - 130	1	25
Toluene	37.7	37.4		ug/m3		99	70 - 130	1	25
trans-1,2-Dichloroethene	39.6	39.4		ug/m3		99	70 - 130	1	25
trans-1,3-Dichloropropene	45.4	44.3		ug/m3		98	70 - 130	1	25

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

Lab Sample ID: LCSD 410-453905/6
Matrix: Air
Analysis Batch: 453905

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	50.5		ug/m3		94	70 - 130	1	25
Trichlorofluoromethane			56.2	50.1		ug/m3		89	70 - 130	0	25
Vinyl chloride			25.6	27.3		ug/m3		107	70 - 135	1	25

Lab Sample ID: MB 410-454438/8
Matrix: Air
Analysis Batch: 454438

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			12/15/23 10:22	1
1,1,1-Trichloroethane	ND		5.5	0.65	ug/m3			12/15/23 10:22	1
1,1,2,2-Tetrachloroethane	ND		6.9	1.0	ug/m3			12/15/23 10:22	1
1,1,2-Trichloroethane	ND		5.5	0.65	ug/m3			12/15/23 10:22	1
1,1-Dichloroethane	ND		4.0	0.36	ug/m3			12/15/23 10:22	1
1,1-Dichloroethene	ND		4.0	0.56	ug/m3			12/15/23 10:22	1
1,2,3-Trichloropropane	ND		6.0	0.84	ug/m3			12/15/23 10:22	1
1,2,4-Trimethylbenzene	ND		9.8	1.4	ug/m3			12/15/23 10:22	1
1,2-Dibromoethane	ND		7.7	1.0	ug/m3			12/15/23 10:22	1
1,2-Dichlorobenzene	ND		6.0	1.2	ug/m3			12/15/23 10:22	1
1,2-Dichloroethane	ND		4.0	0.32	ug/m3			12/15/23 10:22	1
1,2-Dichloropropane	ND		4.6	0.60	ug/m3			12/15/23 10:22	1
1,3,5-Trimethylbenzene	ND		9.8	1.6	ug/m3			12/15/23 10:22	1
1,3-Butadiene	ND		2.2	0.38	ug/m3			12/15/23 10:22	1
1,3-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/15/23 10:22	1
1,4-Dichlorobenzene	ND		6.0	1.8	ug/m3			12/15/23 10:22	1
2-Butanone	ND		2.9	0.62	ug/m3			12/15/23 10:22	1
2-Hexanone	ND		8.2	2.0	ug/m3			12/15/23 10:22	1
3-Chloroprene	ND		3.1	0.63	ug/m3			12/15/23 10:22	1
4-Ethyltoluene	ND		4.9	0.88	ug/m3			12/15/23 10:22	1
4-Methyl-2-pentanone	ND		4.1	0.61	ug/m3			12/15/23 10:22	1
Acetone	ND		12	2.4	ug/m3			12/15/23 10:22	1
Benzene	ND		3.2	0.35	ug/m3			12/15/23 10:22	1
Bromobenzene	ND		6.4	1.3	ug/m3			12/15/23 10:22	1
Bromodichloromethane	ND		6.7	2.7	ug/m3			12/15/23 10:22	1
Bromoform	ND		10	4.1	ug/m3			12/15/23 10:22	1
Bromomethane	ND		3.9	0.78	ug/m3			12/15/23 10:22	1
Carbon disulfide	ND		3.1	1.2	ug/m3			12/15/23 10:22	1
Carbon tetrachloride	ND		6.3	0.88	ug/m3			12/15/23 10:22	1
Chlorobenzene	ND		4.6	0.60	ug/m3			12/15/23 10:22	1
Chlorodifluoromethane	ND		3.5	1.4	ug/m3			12/15/23 10:22	1
Chloroethane	ND		2.6	0.79	ug/m3			12/15/23 10:22	1
Chloroform	ND		4.9	0.45	ug/m3			12/15/23 10:22	1
Chloromethane	ND		2.1	0.83	ug/m3			12/15/23 10:22	1
cis-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/15/23 10:22	1
cis-1,3-Dichloropropene	ND		4.5	0.45	ug/m3			12/15/23 10:22	1
Cumene	ND		4.9	1.2	ug/m3			12/15/23 10:22	1
Dibromochloromethane	ND		8.5	3.4	ug/m3			12/15/23 10:22	1
Dibromomethane	ND		7.1	1.0	ug/m3			12/15/23 10:22	1
Dichlorodifluoromethane	ND		4.9	0.64	ug/m3			12/15/23 10:22	1

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

Lab Sample ID: MB 410-454438/8
Matrix: Air
Analysis Batch: 454438

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorofluoromethane	ND		4.2	0.46	ug/m3			12/15/23 10:22	1
Ethylbenzene	ND		4.3	0.83	ug/m3			12/15/23 10:22	1
Freon 113	ND		7.7	1.5	ug/m3			12/15/23 10:22	1
Freon-114	ND		7.0	0.84	ug/m3			12/15/23 10:22	1
Heptane	ND		4.1	0.94	ug/m3			12/15/23 10:22	1
Hexachloroethane	ND		19	2.6	ug/m3			12/15/23 10:22	1
Hexane	ND		3.5	1.1	ug/m3			12/15/23 10:22	1
Isooctane	ND		4.7	1.9	ug/m3			12/15/23 10:22	1
m&p-Xylene	ND		4.3	1.1	ug/m3			12/15/23 10:22	1
Methyl t-butyl ether	ND		3.6	0.54	ug/m3			12/15/23 10:22	1
Methylene Chloride	ND		6.9	0.87	ug/m3			12/15/23 10:22	1
o-Xylene	ND		4.3	0.83	ug/m3			12/15/23 10:22	1
Octane	ND		9.3	1.9	ug/m3			12/15/23 10:22	1
Pentane	ND		3.0	0.59	ug/m3			12/15/23 10:22	1
Styrene	ND		4.3	0.85	ug/m3			12/15/23 10:22	1
Tetrachloroethene	ND		14	1.7	ug/m3			12/15/23 10:22	1
Toluene	ND		3.8	1.5	ug/m3			12/15/23 10:22	1
trans-1,2-Dichloroethene	ND		4.0	0.79	ug/m3			12/15/23 10:22	1
trans-1,3-Dichloropropene	ND		4.5	0.54	ug/m3			12/15/23 10:22	1
Trichloroethene	ND		5.4	0.97	ug/m3			12/15/23 10:22	1
Trichlorofluoromethane	ND		5.6	0.84	ug/m3			12/15/23 10:22	1
Vinyl chloride	ND		2.6	0.31	ug/m3			12/15/23 10:22	1

Lab Sample ID: LCS 410-454438/5
Matrix: Air
Analysis Batch: 454438

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	68.6	68.0		ug/m3		99	73 - 124
1,1,1-Trichloroethane	54.6	48.6		ug/m3		89	70 - 130
1,1,2,2-Tetrachloroethane	68.7	64.4		ug/m3		94	68 - 138
1,1,2-Trichloroethane	54.6	53.0		ug/m3		97	76 - 127
1,1-Dichloroethane	40.5	36.7		ug/m3		91	70 - 130
1,1-Dichloroethene	39.6	41.1		ug/m3		104	70 - 131
1,2,3-Trichloropropane	60.3	56.6		ug/m3		94	70 - 136
1,2,4-Trimethylbenzene	49.2	62.1		ug/m3		126	65 - 146
1,2-Dibromoethane	76.8	78.4		ug/m3		102	70 - 130
1,2-Dichlorobenzene	60.1	67.0		ug/m3		111	61 - 139
1,2-Dichloroethane	40.5	32.4		ug/m3		80	70 - 142
1,2-Dichloropropane	46.2	38.0		ug/m3		82	70 - 130
1,3,5-Trimethylbenzene	49.2	58.9		ug/m3		120	69 - 141
1,3-Butadiene	22.1	23.3		ug/m3		105	70 - 131
1,3-Dichlorobenzene	60.1	65.0		ug/m3		108	64 - 140
1,4-Dichlorobenzene	60.1	67.4		ug/m3		112	64 - 137
2-Butanone	29.5	30.1		ug/m3		102	70 - 130
2-Hexanone	41.0	38.5		ug/m3		94	63 - 144
3-Chloroprene	31.3	32.3		ug/m3		103	70 - 156
4-Ethyltoluene	49.2	58.4		ug/m3		119	69 - 139
4-Methyl-2-pentanone	41.0	34.3		ug/m3		84	68 - 133

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

Lab Sample ID: LCS 410-454438/5
Matrix: Air
Analysis Batch: 454438

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	23.8	19.8		ug/m3		84	70 - 137
Benzene	31.9	29.0		ug/m3		91	70 - 130
Bromobenzene	64.2	65.1		ug/m3		101	70 - 130
Bromodichloromethane	67.0	53.7		ug/m3		80	75 - 134
Bromoform	103	101		ug/m3		98	60 - 139
Bromomethane	38.8	42.2		ug/m3		109	70 - 134
Carbon disulfide	31.1	32.0		ug/m3		103	70 - 130
Carbon tetrachloride	62.9	56.4		ug/m3		90	70 - 130
Chlorobenzene	46.0	44.9		ug/m3		98	76 - 117
Chlorodifluoromethane	35.4	34.0		ug/m3		96	70 - 141
Chloroethane	26.4	25.0		ug/m3		95	70 - 131
Chloroform	48.8	44.1		ug/m3		90	70 - 130
Chloromethane	20.7	18.1		ug/m3		88	70 - 138
cis-1,2-Dichloroethene	39.6	37.8		ug/m3		95	70 - 130
cis-1,3-Dichloropropene	45.4	41.1		ug/m3		90	70 - 130
Cumene	49.2	58.0		ug/m3		118	70 - 131
Dibromochloromethane	85.2	82.5		ug/m3		97	74 - 131
Dibromomethane	71.1	67.3		ug/m3		95	70 - 130
Dichlorodifluoromethane	49.5	48.7		ug/m3		98	70 - 131
Dichlorofluoromethane	42.1	44.7		ug/m3		106	70 - 136
Ethylbenzene	43.4	46.4		ug/m3		107	70 - 130
Freon 113	76.6	66.6		ug/m3		87	70 - 130
Freon-114	69.9	67.1		ug/m3		96	70 - 130
Heptane	41.0	43.2		ug/m3		105	70 - 130
Hexachloroethane	96.8	99.6		ug/m3		103	38 - 163
Hexane	35.2	33.2		ug/m3		94	70 - 130
Isooctane	46.7	50.7		ug/m3		109	70 - 130
m&p-Xylene	43.4	48.8		ug/m3		112	78 - 119
Methyl t-butyl ether	36.1	38.3		ug/m3		106	70 - 130
Methylene Chloride	34.7	34.6		ug/m3		100	70 - 139
o-Xylene	43.4	48.3		ug/m3		111	70 - 130
Octane	46.7	47.7		ug/m3		102	70 - 130
Pentane	29.5	25.4		ug/m3		86	70 - 130
Styrene	42.6	52.2		ug/m3		123	70 - 133
Tetrachloroethene	67.8	71.2		ug/m3		105	70 - 130
Toluene	37.7	38.8		ug/m3		103	70 - 130
trans-1,2-Dichloroethene	39.6	38.9		ug/m3		98	70 - 130
trans-1,3-Dichloropropene	45.4	45.7		ug/m3		101	70 - 130
Trichloroethene	53.7	49.6		ug/m3		92	70 - 130
Trichlorofluoromethane	56.2	49.7		ug/m3		88	70 - 130
Vinyl chloride	25.6	27.7		ug/m3		108	70 - 135

Lab Sample ID: LCSD 410-454438/6
Matrix: Air
Analysis Batch: 454438

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	67.1		ug/m3		98	73 - 124	1	25
1,1,1-Trichloroethane	54.6	49.9		ug/m3		91	70 - 130	3	25

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

Lab Sample ID: LCSD 410-454438/6
Matrix: Air
Analysis Batch: 454438

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
1,1,2,2-Tetrachloroethane	68.7	64.2		ug/m3		94	68 - 138	0	25
1,1,2-Trichloroethane	54.6	53.4		ug/m3		98	76 - 127	1	25
1,1-Dichloroethane	40.5	36.7		ug/m3		91	70 - 130	0	25
1,1-Dichloroethene	39.6	41.0		ug/m3		103	70 - 131	0	25
1,2,3-Trichloropropane	60.3	55.7		ug/m3		92	70 - 136	1	25
1,2,4-Trimethylbenzene	49.2	61.9		ug/m3		126	65 - 146	0	25
1,2-Dibromoethane	76.8	78.3		ug/m3		102	70 - 130	0	25
1,2-Dichlorobenzene	60.1	65.6		ug/m3		109	61 - 139	2	25
1,2-Dichloroethane	40.5	32.8		ug/m3		81	70 - 142	1	25
1,2-Dichloropropane	46.2	39.3		ug/m3		85	70 - 130	3	25
1,3,5-Trimethylbenzene	49.2	58.6		ug/m3		119	69 - 141	1	25
1,3-Butadiene	22.1	23.4		ug/m3		106	70 - 131	1	25
1,3-Dichlorobenzene	60.1	64.7		ug/m3		108	64 - 140	0	25
1,4-Dichlorobenzene	60.1	67.1		ug/m3		112	64 - 137	0	25
2-Butanone	29.5	30.7		ug/m3		104	70 - 130	2	25
2-Hexanone	41.0	39.7		ug/m3		97	63 - 144	3	25
3-Chloroprene	31.3	35.5		ug/m3		113	70 - 156	10	25
4-Ethyltoluene	49.2	57.3		ug/m3		117	69 - 139	2	25
4-Methyl-2-pentanone	41.0	35.6		ug/m3		87	68 - 133	4	25
Acetone	23.8	20.0		ug/m3		84	70 - 137	1	25
Benzene	31.9	29.6		ug/m3		93	70 - 130	2	25
Bromobenzene	64.2	65.8		ug/m3		102	70 - 130	1	25
Bromodichloromethane	67.0	55.7		ug/m3		83	75 - 134	4	25
Bromoform	103	100		ug/m3		97	60 - 139	1	25
Bromomethane	38.8	42.7		ug/m3		110	70 - 134	1	25
Carbon disulfide	31.1	31.4		ug/m3		101	70 - 130	2	25
Carbon tetrachloride	62.9	55.4		ug/m3		88	70 - 130	2	25
Chlorobenzene	46.0	45.3		ug/m3		98	76 - 117	1	25
Chlorodifluoromethane	35.4	33.9		ug/m3		96	70 - 141	0	25
Chloroethane	26.4	23.4		ug/m3		89	70 - 131	6	25
Chloroform	48.8	44.6		ug/m3		91	70 - 130	1	25
Chloromethane	20.7	17.7		ug/m3		85	70 - 138	2	25
cis-1,2-Dichloroethene	39.6	37.8		ug/m3		95	70 - 130	0	25
cis-1,3-Dichloropropene	45.4	41.9		ug/m3		92	70 - 130	2	25
Cumene	49.2	58.1		ug/m3		118	70 - 131	0	25
Dibromochloromethane	85.2	81.6		ug/m3		96	74 - 131	1	25
Dibromomethane	71.1	68.4		ug/m3		96	70 - 130	2	25
Dichlorodifluoromethane	49.5	48.3		ug/m3		98	70 - 131	1	25
Dichlorofluoromethane	42.1	44.7		ug/m3		106	70 - 136	0	25
Ethylbenzene	43.4	46.4		ug/m3		107	70 - 130	0	25
Freon 113	76.6	66.7		ug/m3		87	70 - 130	0	25
Freon-114	69.9	67.5		ug/m3		97	70 - 130	1	25
Heptane	41.0	44.5		ug/m3		109	70 - 130	3	25
Hexachloroethane	96.8	99.3		ug/m3		103	38 - 163	0	25
Hexane	35.2	33.1		ug/m3		94	70 - 130	0	25
Isooctane	46.7	51.3		ug/m3		110	70 - 130	1	25
m&p-Xylene	43.4	49.1		ug/m3		113	78 - 119	1	25
Methyl t-butyl ether	36.1	38.9		ug/m3		108	70 - 130	2	25
Methylene Chloride	34.7	34.3		ug/m3		99	70 - 139	1	25

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

Lab Sample ID: LCSD 410-454438/6
Matrix: Air
Analysis Batch: 454438

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
o-Xylene			43.4	48.3		ug/m3		111	70 - 130	0	25
Octane			46.7	48.5		ug/m3		104	70 - 130	2	25
Pentane			29.5	28.1		ug/m3		95	70 - 130	10	25
Styrene			42.6	52.2		ug/m3		122	70 - 133	0	25
Tetrachloroethene			67.8	69.5		ug/m3		102	70 - 130	2	25
Toluene			37.7	38.3		ug/m3		102	70 - 130	1	25
trans-1,2-Dichloroethene			39.6	39.0		ug/m3		98	70 - 130	0	25
trans-1,3-Dichloropropene			45.4	44.8		ug/m3		99	70 - 130	2	25
Trichloroethene			53.7	50.6		ug/m3		94	70 - 130	2	25
Trichlorofluoromethane			56.2	49.3		ug/m3		88	70 - 130	1	25
Vinyl chloride			25.6	27.5		ug/m3		108	70 - 135	1	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
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 Site, NY

Job ID: 410-154614-1

Air - GC/MS VOA

Analysis Batch: 453905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154614-1	SV-1-20231212	Total/NA	Air	TO-15	
410-154614-2	AA-1-20231212	Total/NA	Air	TO-15	
410-154614-3	IA-1-20231212	Total/NA	Air	TO-15	
MB 410-453905/8	Method Blank	Total/NA	Air	TO-15	
LCS 410-453905/5	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 410-453905/6	Lab Control Sample Dup	Total/NA	Air	TO-15	

Analysis Batch: 454438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-154614-1 - DL	SV-1-20231212	Total/NA	Air	TO-15	
MB 410-454438/8	Method Blank	Total/NA	Air	TO-15	
LCS 410-454438/5	Lab Control Sample	Total/NA	Air	TO-15	
LCSD 410-454438/6	Lab Control Sample Dup	Total/NA	Air	TO-15	

Lab Chronicle

Client: Brown and Caldwell
Job ID: 410-154614-1
Project/Site: Bartlett Tree Site, NY

Client Sample ID: SV-1-20231212
Lab Sample ID: 410-154614-1
Date Collected: 12/12/23 16:36
Matrix: Air
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	453905	MLX9	ELLE	12/14/23 14:46
Total/NA	Analysis	TO-15	DL	2	454438	MLX9	ELLE	12/15/23 10:45

Client Sample ID: AA-1-20231212
Lab Sample ID: 410-154614-2
Date Collected: 12/12/23 16:35
Matrix: Air
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	453905	MLX9	ELLE	12/14/23 15:10

Client Sample ID: IA-1-20231212
Lab Sample ID: 410-154614-3
Date Collected: 12/12/23 16:36
Matrix: Air
Date Received: 12/13/23 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	TO-15		1	453905	MLX9	ELLE	12/14/23 15:34

Laboratory References:

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

Accreditation/Certification Summary

Client: Brown and Caldwell
Job ID: 410-154614-1
Project/Site: Bartlett Tree Site, NY

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-24

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 Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7D14X05.D

Lab ID: LCS 410-453905/5 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	68.6	66.6	97	73-124	
1,1,1-Trichloroethane	54.6	49.8	91	70-130	
1,1,2,2-Tetrachloroethane	68.7	63.7	93	68-138	
1,1,2-Trichloroethane	54.6	52.3	96	76-127	
1,1-Dichloroethane	40.5	37.7	93	70-130	
1,1-Dichloroethene	39.6	40.8	103	70-131	
1,2,3-Trichloropropane	60.3	54.4	90	70-136	
1,2,4-Trimethylbenzene	49.2	60.1	122	65-146	
1,2-Dibromoethane	76.8	76.8	100	70-130	
1,2-Dichlorobenzene	60.1	64.7	108	61-139	
1,2-Dichloroethane	40.5	32.1	79	70-142	
1,2-Dichloropropane	46.2	38.2	83	70-130	
1,3,5-Trimethylbenzene	49.2	57.1	116	69-141	
1,3-Butadiene	22.1	23.5	106	70-131	
1,3-Dichlorobenzene	60.1	62.8	104	64-140	
1,4-Dichlorobenzene	60.1	65.0	108	64-137	
2-Butanone	29.5	30.2	102	70-130	
2-Hexanone	41.0	38.8	95	63-144	
3-Chloroprene	31.3	31.1	99	70-156	
4-Ethyltoluene	49.2	56.6	115	69-139	
4-Methyl-2-pentanone	41.0	35.6	87	68-133	
Acetone	23.8	19.9	84	70-137	
Benzene	31.9	28.5	89	70-130	
Bromobenzene	64.2	64.2	100	70-130	
Bromodichloromethane	67.0	54.6	81	75-134	
Bromoform	103	98.7	95	60-139	
Bromomethane	38.8	42.5	110	70-134	
Carbon disulfide	31.1	32.1	103	70-130	
Carbon tetrachloride	62.9	56.7	90	70-130	
Chlorobenzene	46.0	44.5	97	76-117	
Chlorodifluoromethane	35.4	33.7	95	70-141	
Chloroethane	26.4	24.2	92	70-131	
Chloroform	48.8	44.3	91	70-130	
Chloromethane	20.7	17.6	85	70-138	
cis-1,2-Dichloroethene	39.6	37.3	94	70-130	
cis-1,3-Dichloropropene	45.4	41.1	91	70-130	
Cumene	49.2	57.3	117	70-131	
Dibromochloromethane	85.2	80.2	94	74-131	
Dibromomethane	71.1	65.5	92	70-130	
Dichlorodifluoromethane	49.5	47.6	96	70-131	
Dichlorofluoromethane	42.1	44.9	107	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 Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7D14X05.D

Lab ID: LCS 410-453905/5 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Ethylbenzene	43.4	45.4	104	70-130	
Freon 113	76.6	67.9	89	70-130	
Freon-114	69.9	65.4	93	70-130	
Heptane	41.0	44.0	107	70-130	
Hexachloroethane	96.8	98.0	101	38-163	
Hexane	35.2	33.6	95	70-130	
Isooctane	46.7	49.7	106	70-130	
m&p-Xylene	43.4	47.8	110	78-119	
Methyl t-butyl ether	36.1	38.6	107	70-130	
Methylene Chloride	34.7	34.4	99	70-139	
o-Xylene	43.4	47.8	110	70-130	
Octane	46.7	47.0	101	70-130	
Pentane	29.5	25.2	85	70-130	
Styrene	42.6	51.2	120	70-133	
Tetrachloroethene	67.8	67.5	100	70-130	
Toluene	37.7	37.9	101	70-130	
trans-1,2-Dichloroethene	39.6	39.7	100	70-130	
trans-1,3-Dichloropropene	45.4	44.0	97	70-130	
Trichloroethene	53.7	50.9	95	70-130	
Trichlorofluoromethane	56.2	50.3	89	70-130	
Vinyl chloride	25.6	27.2	106	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 RECOVERY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7D15X05.D

Lab ID: LCS 410-454438/5 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	68.6	68.0	99	73-124	
1,1,1-Trichloroethane	54.6	48.6	89	70-130	
1,1,2,2-Tetrachloroethane	68.7	64.4	94	68-138	
1,1,2-Trichloroethane	54.6	53.0	97	76-127	
1,1-Dichloroethane	40.5	36.7	91	70-130	
1,1-Dichloroethene	39.6	41.1	104	70-131	
1,2,3-Trichloropropane	60.3	56.6	94	70-136	
1,2,4-Trimethylbenzene	49.2	62.1	126	65-146	
1,2-Dibromoethane	76.8	78.4	102	70-130	
1,2-Dichlorobenzene	60.1	67.0	111	61-139	
1,2-Dichloroethane	40.5	32.4	80	70-142	
1,2-Dichloropropane	46.2	38.0	82	70-130	
1,3,5-Trimethylbenzene	49.2	58.9	120	69-141	
1,3-Butadiene	22.1	23.3	105	70-131	
1,3-Dichlorobenzene	60.1	65.0	108	64-140	
1,4-Dichlorobenzene	60.1	67.4	112	64-137	
2-Butanone	29.5	30.1	102	70-130	
2-Hexanone	41.0	38.5	94	63-144	
3-Chloroprene	31.3	32.3	103	70-156	
4-Ethyltoluene	49.2	58.4	119	69-139	
4-Methyl-2-pentanone	41.0	34.3	84	68-133	
Acetone	23.8	19.8	84	70-137	
Benzene	31.9	29.0	91	70-130	
Bromobenzene	64.2	65.1	101	70-130	
Bromodichloromethane	67.0	53.7	80	75-134	
Bromoform	103	101	98	60-139	
Bromomethane	38.8	42.2	109	70-134	
Carbon disulfide	31.1	32.0	103	70-130	
Carbon tetrachloride	62.9	56.4	90	70-130	
Chlorobenzene	46.0	44.9	98	76-117	
Chlorodifluoromethane	35.4	34.0	96	70-141	
Chloroethane	26.4	25.0	95	70-131	
Chloroform	48.8	44.1	90	70-130	
Chloromethane	20.7	18.1	88	70-138	
cis-1,2-Dichloroethene	39.6	37.8	95	70-130	
cis-1,3-Dichloropropene	45.4	41.1	90	70-130	
Cumene	49.2	58.0	118	70-131	
Dibromochloromethane	85.2	82.5	97	74-131	
Dibromomethane	71.1	67.3	95	70-130	
Dichlorodifluoromethane	49.5	48.7	98	70-131	
Dichlorofluoromethane	42.1	44.7	106	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 Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7D15X05.D

Lab ID: LCS 410-454438/5 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCS CONCENTRATION (ug/m3)	LCS % REC	QC LIMITS REC	#
Ethylbenzene	43.4	46.4	107	70-130	
Freon 113	76.6	66.6	87	70-130	
Freon-114	69.9	67.1	96	70-130	
Heptane	41.0	43.2	105	70-130	
Hexachloroethane	96.8	99.6	103	38-163	
Hexane	35.2	33.2	94	70-130	
Isooctane	46.7	50.7	109	70-130	
m&p-Xylene	43.4	48.8	112	78-119	
Methyl t-butyl ether	36.1	38.3	106	70-130	
Methylene Chloride	34.7	34.6	100	70-139	
o-Xylene	43.4	48.3	111	70-130	
Octane	46.7	47.7	102	70-130	
Pentane	29.5	25.4	86	70-130	
Styrene	42.6	52.2	123	70-133	
Tetrachloroethene	67.8	71.2	105	70-130	
Toluene	37.7	38.8	103	70-130	
trans-1,2-Dichloroethene	39.6	38.9	98	70-130	
trans-1,3-Dichloropropene	45.4	45.7	101	70-130	
Trichloroethene	53.7	49.6	92	70-130	
Trichlorofluoromethane	56.2	49.7	88	70-130	
Vinyl chloride	25.6	27.7	108	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 Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7D14X06.D

Lab ID: LCSD 410-453905/6 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	65.2	95	2	25	73-124	
1,1,1-Trichloroethane	54.6	49.1	90	1	25	70-130	
1,1,2,2-Tetrachloroethane	68.7	61.9	90	3	25	68-138	
1,1,2-Trichloroethane	54.6	50.2	92	4	25	76-127	
1,1-Dichloroethane	40.5	37.5	93	0	25	70-130	
1,1-Dichloroethene	39.6	41.6	105	2	25	70-131	
1,2,3-Trichloropropane	60.3	53.2	88	2	25	70-136	
1,2,4-Trimethylbenzene	49.2	59.2	120	2	25	65-146	
1,2-Dibromoethane	76.8	75.5	98	2	25	70-130	
1,2-Dichlorobenzene	60.1	63.2	105	2	25	61-139	
1,2-Dichloroethane	40.5	32.0	79	0	25	70-142	
1,2-Dichloropropane	46.2	38.1	83	0	25	70-130	
1,3,5-Trimethylbenzene	49.2	56.3	115	1	25	69-141	
1,3-Butadiene	22.1	23.8	107	1	25	70-131	
1,3-Dichlorobenzene	60.1	62.4	104	1	25	64-140	
1,4-Dichlorobenzene	60.1	63.5	106	2	25	64-137	
2-Butanone	29.5	30.4	103	0	25	70-130	
2-Hexanone	41.0	39.0	95	1	25	63-144	
3-Chloroprene	31.3	35.1	112	12	25	70-156	
4-Ethyltoluene	49.2	55.3	113	2	25	69-139	
4-Methyl-2-pentanone	41.0	35.7	87	0	25	68-133	
Acetone	23.8	20.2	85	1	25	70-137	
Benzene	31.9	28.9	90	2	25	70-130	
Bromobenzene	64.2	62.1	97	3	25	70-130	
Bromodichloromethane	67.0	54.1	81	1	25	75-134	
Bromoform	103	96.6	93	2	25	60-139	
Bromomethane	38.8	42.5	110	0	25	70-134	
Carbon disulfide	31.1	32.3	104	1	25	70-130	
Carbon tetrachloride	62.9	57.3	91	1	25	70-130	
Chlorobenzene	46.0	43.9	95	1	25	76-117	
Chlorodifluoromethane	35.4	33.9	96	0	25	70-141	
Chloroethane	26.4	24.7	93	2	25	70-131	
Chloroform	48.8	44.8	92	1	25	70-130	
Chloromethane	20.7	17.9	87	2	25	70-138	
cis-1,2-Dichloroethene	39.6	38.1	96	2	25	70-130	
cis-1,3-Dichloropropene	45.4	42.0	93	2	25	70-130	
Cumene	49.2	56.4	115	2	25	70-131	
Dibromochloromethane	85.2	78.9	93	2	25	74-131	
Dibromomethane	71.1	65.5	92	0	25	70-130	
Dichlorodifluoromethane	49.5	47.9	97	0	25	70-131	
Dichlorofluoromethane	42.1	45.4	108	1	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 Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7D14X06.D

Lab ID: LCSD 410-453905/6 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCSD CONCENTRATION (ug/m3)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethylbenzene	43.4	45.2	104	0	25	70-130	
Freon 113	76.6	68.5	89	1	25	70-130	
Freon-114	69.9	66.2	95	1	25	70-130	
Heptane	41.0	43.8	107	1	25	70-130	
Hexachloroethane	96.8	97.0	100	1	25	38-163	
Hexane	35.2	34.0	96	1	25	70-130	
Isooctane	46.7	50.1	107	1	25	70-130	
m&p-Xylene	43.4	47.0	108	2	25	78-119	
Methyl t-butyl ether	36.1	38.8	108	0	25	70-130	
Methylene Chloride	34.7	34.9	100	1	25	70-139	
o-Xylene	43.4	47.0	108	2	25	70-130	
Octane	46.7	47.3	101	1	25	70-130	
Pentane	29.5	26.1	89	4	25	70-130	
Styrene	42.6	50.1	118	2	25	70-133	
Tetrachloroethene	67.8	66.8	98	1	25	70-130	
Toluene	37.7	37.4	99	1	25	70-130	
trans-1,2-Dichloroethene	39.6	39.4	99	1	25	70-130	
trans-1,3-Dichloropropene	45.4	44.3	98	1	25	70-130	
Trichloroethene	53.7	50.5	94	1	25	70-130	
Trichlorofluoromethane	56.2	50.1	89	0	25	70-130	
Vinyl chloride	25.6	27.3	107	1	25	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 Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7D15X06.D

Lab ID: LCSD 410-454438/6 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	67.1	98	1	25	73-124	
1,1,1-Trichloroethane	54.6	49.9	91	3	25	70-130	
1,1,2,2-Tetrachloroethane	68.7	64.2	94	0	25	68-138	
1,1,2-Trichloroethane	54.6	53.4	98	1	25	76-127	
1,1-Dichloroethane	40.5	36.7	91	0	25	70-130	
1,1-Dichloroethene	39.6	41.0	103	0	25	70-131	
1,2,3-Trichloropropane	60.3	55.7	92	1	25	70-136	
1,2,4-Trimethylbenzene	49.2	61.9	126	0	25	65-146	
1,2-Dibromoethane	76.8	78.3	102	0	25	70-130	
1,2-Dichlorobenzene	60.1	65.6	109	2	25	61-139	
1,2-Dichloroethane	40.5	32.8	81	1	25	70-142	
1,2-Dichloropropane	46.2	39.3	85	3	25	70-130	
1,3,5-Trimethylbenzene	49.2	58.6	119	1	25	69-141	
1,3-Butadiene	22.1	23.4	106	1	25	70-131	
1,3-Dichlorobenzene	60.1	64.7	108	0	25	64-140	
1,4-Dichlorobenzene	60.1	67.1	112	0	25	64-137	
2-Butanone	29.5	30.7	104	2	25	70-130	
2-Hexanone	41.0	39.7	97	3	25	63-144	
3-Chloroprene	31.3	35.5	113	10	25	70-156	
4-Ethyltoluene	49.2	57.3	117	2	25	69-139	
4-Methyl-2-pentanone	41.0	35.6	87	4	25	68-133	
Acetone	23.8	20.0	84	1	25	70-137	
Benzene	31.9	29.6	93	2	25	70-130	
Bromobenzene	64.2	65.8	102	1	25	70-130	
Bromodichloromethane	67.0	55.7	83	4	25	75-134	
Bromoform	103	100	97	1	25	60-139	
Bromomethane	38.8	42.7	110	1	25	70-134	
Carbon disulfide	31.1	31.4	101	2	25	70-130	
Carbon tetrachloride	62.9	55.4	88	2	25	70-130	
Chlorobenzene	46.0	45.3	98	1	25	76-117	
Chlorodifluoromethane	35.4	33.9	96	0	25	70-141	
Chloroethane	26.4	23.4	89	6	25	70-131	
Chloroform	48.8	44.6	91	1	25	70-130	
Chloromethane	20.7	17.7	85	2	25	70-138	
cis-1,2-Dichloroethene	39.6	37.8	95	0	25	70-130	
cis-1,3-Dichloropropene	45.4	41.9	92	2	25	70-130	
Cumene	49.2	58.1	118	0	25	70-131	
Dibromochloromethane	85.2	81.6	96	1	25	74-131	
Dibromomethane	71.1	68.4	96	2	25	70-130	
Dichlorodifluoromethane	49.5	48.3	98	1	25	70-131	
Dichlorofluoromethane	42.1	44.7	106	0	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 Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7D15X06.D

Lab ID: LCSD 410-454438/6 Client ID:

COMPOUND	SPIKE ADDED (ug/m3)	LCSD CONCENTRATION (ug/m3)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Ethylbenzene	43.4	46.4	107	0	25	70-130	
Freon 113	76.6	66.7	87	0	25	70-130	
Freon-114	69.9	67.5	97	1	25	70-130	
Heptane	41.0	44.5	109	3	25	70-130	
Hexachloroethane	96.8	99.3	103	0	25	38-163	
Hexane	35.2	33.1	94	0	25	70-130	
Isooctane	46.7	51.3	110	1	25	70-130	
m&p-Xylene	43.4	49.1	113	1	25	78-119	
Methyl t-butyl ether	36.1	38.9	108	2	25	70-130	
Methylene Chloride	34.7	34.3	99	1	25	70-139	
o-Xylene	43.4	48.3	111	0	25	70-130	
Octane	46.7	48.5	104	2	25	70-130	
Pentane	29.5	28.1	95	10	25	70-130	
Styrene	42.6	52.2	122	0	25	70-133	
Tetrachloroethene	67.8	69.5	102	2	25	70-130	
Toluene	37.7	38.3	102	1	25	70-130	
trans-1,2-Dichloroethene	39.6	39.0	98	0	25	70-130	
trans-1,3-Dichloropropene	45.4	44.8	99	2	25	70-130	
Trichloroethene	53.7	50.6	94	2	25	70-130	
Trichlorofluoromethane	56.2	49.3	88	1	25	70-130	
Vinyl chloride	25.6	27.5	108	1	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 Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab File ID: 7D14X08.D Lab Sample ID: MB 410-453905/8

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

Instrument ID: HP8R004 Date Analyzed: 12/14/2023 10:57

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 410-453905/5	7D14X05.D	12/14/2023 09:51
	LCSD 410-453905/6	7D14X06.D	12/14/2023 10:13
SV-1-20231212	410-154614-1	7D14X17.D	12/14/2023 14:46
AA-1-20231212	410-154614-2	7D14X18.D	12/14/2023 15:10
IA-1-20231212	410-154614-3	7D14X19.D	12/14/2023 15:34

FORM IV
AIR - GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab File ID: 7D15X08.D Lab Sample ID: MB 410-454438/8

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

Instrument ID: HP8R004 Date Analyzed: 12/15/2023 10:22

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 410-454438/5	7D15X05.D	12/15/2023 09:16
	LCSD 410-454438/6	7D15X06.D	12/15/2023 09:38
SV-1-20231212 DL	410-154614-1 DL	7D15X09.D	12/15/2023 10:45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab File ID: 7O19T01.D BFB Injection Date: 10/19/2023

Instrument ID: HP8R004 BFB Injection Time: 14:11

Analysis Batch No.: 433347

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.5	
75	30.0 - 66.0% of mass 95	47.7	
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	0.2	(0.3) 1
174	50.0 - 120.0% of mass 95	69.1	
175	4.0 - 9.0 % of mass 174	5.0	(7.3) 1
176	93.0 - 101.0% of mass 174	66.3	(95.9) 1
177	5.0 - 9.0% of mass 176	4.4	(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
	ICISAV 410-433347/3	7O19X03.D	10/19/2023	15:19
	IC 410-433347/4	7O19X04.D	10/19/2023	15:41
	IC 410-433347/5	7O19X05.D	10/19/2023	16:03
	IC 410-433347/6	7O19X06.D	10/19/2023	16:25
	IC 410-433347/7	7O19X09.D	10/19/2023	16:48
	IC 410-433347/8	7O19X10.D	10/19/2023	17:10
	IC 410-433347/9	7O19X13.D	10/19/2023	17:32
	IC 410-433347/10	7O19X14.D	10/19/2023	17:54
	ICV 410-433347/15	7O19X19.D	10/19/2023	19:45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab File ID: 7D14T01.D BFB Injection Date: 12/14/2023

Instrument ID: HP8R004 BFB Injection Time: 07:56

Analysis Batch No.: 453905

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.1	
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	6.7	
173	Less than 2.0% of mass 174	0.4	(0.5) 1
174	50.0 - 120.0% of mass 95	75.4	
175	4.0 - 9.0 % of mass 174	5.1	(6.8) 1
176	93.0 - 101.0% of mass 174	71.3	(94.6) 1
177	5.0 - 9.0% of mass 176	4.6	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-453905/3	7D14X03.D	12/14/2023	9:07
	LCS 410-453905/5	7D14X05.D	12/14/2023	9:51
	LCSD 410-453905/6	7D14X06.D	12/14/2023	10:13
	MB 410-453905/8	7D14X08.D	12/14/2023	10:57
SV-1-20231212	410-154614-1	7D14X17.D	12/14/2023	14:46
AA-1-20231212	410-154614-2	7D14X18.D	12/14/2023	15:10
IA-1-20231212	410-154614-3	7D14X19.D	12/14/2023	15:34

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab File ID: 7D15T01.D BFB Injection Date: 12/15/2023

Instrument ID: HP8R004 BFB Injection Time: 07:23

Analysis Batch No.: 454438

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.4	
75	30.0 - 66.0% of mass 95	45.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.6	
173	Less than 2.0% of mass 174	0.4	(0.5) 1
174	50.0 - 120.0% of mass 95	74.8	
175	4.0 - 9.0 % of mass 174	5.5	(7.3) 1
176	93.0 - 101.0% of mass 174	71.6	(95.7) 1
177	5.0 - 9.0% of mass 176	4.5	(6.3) 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 410-454438/3	7D15X03.D	12/15/2023	8:32
	LCS 410-454438/5	7D15X05.D	12/15/2023	9:16
	LCSD 410-454438/6	7D15X06.D	12/15/2023	9:38
	MB 410-454438/8	7D15X08.D	12/15/2023	10:22
SV-1-20231212 DL	410-154614-1 DL	7D15X09.D	12/15/2023	10:45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Instrument ID HP8R004 Calibration Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calibration End Date: 10/19/2023 17:54

Calibration ID: 54947

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		116277	5.59	465280	6.56	481222	9.61
UPPER LIMIT		162788	5.89	651392	6.86	673711	9.91
LOWER LIMIT		69766	5.29	279168	6.26	288733	9.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-433347/15		125630	5.59	509385	6.57	494008	9.60
CCVIS 410-453905/3		125098	5.59	527913	6.56	489916	9.61
CCVIS 410-454438/3		116466	5.58	479222	6.55	450158	9.59

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
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Sample No.: CCVIS 410-453905/3 Date Analyzed: 12/14/2023 09:07

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm)

Lab File ID (Standard): 7D14X03.D Heated Purge: (Y/N) N

Calibration ID: 54947

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		125098	5.59	527913	6.56	489916	9.61
UPPER LIMIT		175137	5.89	739078	6.86	685882	9.91
LOWER LIMIT		75059	5.29	316748	6.26	293950	9.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-453905/5		124519	5.58	522601	6.56	496151	9.59
LCSD 410-453905/6		122415	5.58	523341	6.56	500453	9.60
MB 410-453905/8		117108	5.58	456629	6.56	472393	9.60
410-154614-1	SV-1-20231212	120324	5.59	497165	6.56	504010	9.60
410-154614-2	AA-1-20231212	117369	5.59	462204	6.57	462259	9.60
410-154614-3	IA-1-20231212	121395	5.59	485246	6.57	483823	9.61

CBM = Chlorobromomethane (IS)
CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
DFBZ = 1,4-Difluorobenzene
Area Limit = 60%-140% of internal standard area
CBZd5 = Chlorobenzene-d5 (IS)
RT Limit = ± 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Sample No.: CCVIS 410-454438/3 Date Analyzed: 12/15/2023 08:32

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm)

Lab File ID (Standard): 7D15X03.D Heated Purge: (Y/N) N

Calibration ID: 54947

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		116466	5.58	479222	6.55	450158	9.59
UPPER LIMIT		163052	5.88	670911	6.85	630221	9.89
LOWER LIMIT		69880	5.28	287533	6.25	270095	9.29
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-454438/5		118274	5.59	490277	6.56	455941	9.60
LCSD 410-454438/6		118674	5.59	487852	6.56	464197	9.60
MB 410-454438/8		116801	5.59	431562	6.57	443862	9.60
410-154614-1 DL	SV-1-20231212 DL	121257	5.59	453573	6.57	475159	9.61

CBM = Chlorobromomethane (IS)
CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
DFBZ = 1,4-Difluorobenzene
Area Limit = 60%-140% of internal standard area
CBZd5 = Chlorobenzene-d5 (IS)
RT Limit = ± 0.3 minutes of internal standard RT

Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Client Sample ID: SV-1-20231212 Lab Sample ID: 410-154614-1

Matrix: Air Lab File ID: 7D14X17.D

Analysis Method: TO-15 Date Collected: 12/12/2023 16:36

Sample wt/vol: 200(mL) Date Analyzed: 12/14/2023 14:46

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905 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	13		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	6.3	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	ND		4.0	0.32
78-87-5	1,2-Dichloropropane	ND		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	2.3	J	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	44		2.9	0.62
591-78-6	2-Hexanone	3.6	J	8.2	2.0
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	2.1	J	4.1	0.61
71-43-2	Benzene	5.5		3.2	0.35
108-86-1	Bromobenzene	ND		6.4	1.3
75-27-4	Bromodichloromethane	ND		6.7	2.7
75-25-2	Bromoform	ND		10	4.1
74-83-9	Bromomethane	ND		3.9	0.78
75-15-0	Carbon disulfide	1.5	J	3.1	1.2
56-23-5	Carbon tetrachloride	1.5	J	6.3	0.88
108-90-7	Chlorobenzene	ND		4.6	0.60
75-45-6	Chlorodifluoromethane	ND		3.5	1.4
75-00-3	Chloroethane	ND		2.6	0.79
67-66-3	Chloroform	7.5		4.9	0.45
74-87-3	Chloromethane	ND		2.1	0.83

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID: SV-1-20231212
Lab Sample ID: 410-154614-1

Matrix: Air
Lab File ID: 7D14X17.D

Analysis Method: TO-15
Date Collected: 12/12/2023 16:36

Sample wt/vol: 200(mL)
Date Analyzed: 12/14/2023 14:46

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	ND		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.45
98-82-8	Cumene	1.7	J	4.9	1.2
124-48-1	Dibromochloromethane	ND		8.5	3.4
74-95-3	Dibromomethane	ND		7.1	1.0
75-71-8	Dichlorodifluoromethane	12		4.9	0.64
75-43-4	Dichlorofluoromethane	ND		4.2	0.46
100-41-4	Ethylbenzene	4.4		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	4.8		4.1	0.94
67-72-1	Hexachloroethane	ND		19	2.6
110-54-3	Hexane	3.6		3.5	1.1
540-84-1	Isooctane	2.3	J	4.7	1.9
179601-23-1	m&p-Xylene	18		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	6.0		4.3	0.83
111-65-9	Octane	4.0	J	9.3	1.9
109-66-0	Pentane	4.6		3.0	0.59
100-42-5	Styrene	ND		4.3	0.85
127-18-4	Tetrachloroethene	370		14	1.7
108-88-3	Toluene	25		3.8	1.5
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	5.6		5.4	0.97
75-69-4	Trichlorofluoromethane	5.4	J	5.6	0.84
75-01-4	Vinyl chloride	ND		2.6	0.31

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D
Lims ID: 410-154614-A-1
Client ID: SV-1-20231212
Sample Type: Client
Inject. Date: 14-Dec-2023 14:46:08 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 154614-1
Misc. Info.: 410-0101896-017
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 15-Dec-2023 08:39:42 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: MLX9 Date: 15-Dec-2023 07:56:26

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.026	2.014	0.012	99	62462	2.39	
12 Trichlorofluoromethane	101	3.139	3.135	0.004	98	27414	0.9558	
11 Pentane	43	3.236	3.237	0.003	95	23273	1.56	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.686	3.684	0.007	72	1409	0.0812	
23 Acetone	43	3.705	3.713	0.000	99	1074193	75.3	E
17 Carbon disulfide	76	3.889	3.888	0.004	95	13800	0.4921	
25 Hexane	56	4.680	4.679	0.008	91	8011	1.01	
43 2-Butanone (MEK)	72	5.343	5.350	0.000	98	70623	14.8	
* 35 Chlorobromomethane (IS)	130	5.587	5.576	0.011	90	120324	10.0	
37 Chloroform	83	5.673	5.681	0.000	92	38297	1.55	
42 1,1,1-Trichloroethane	97	5.838	5.854	0.000	98	56768	2.40	
40 Carbon tetrachloride	117	5.984	5.992	0.000	94	5757	0.2376	
46 Benzene	78	6.172	6.179	0.000	95	66664	1.72	
44 Isooctane	57	6.280	6.288	0.000	95	22583	0.4871	
45 n-Heptane	71	6.427	6.441	-0.003	87	13130	1.17	
* 50 1,4-Difluorobenzene	114	6.562	6.551	0.011	94	497165	10.0	
49 Trichloroethene	130	6.798	6.805	0.000	97	17676	1.04	
60 4-Methyl-2-pentanone (MIBK)	43	7.889	7.902	0.000	95	11000	0.5095	
59 Toluene	91	8.099	8.102	0.000	98	313131	6.75	
58 n-Octane	43	8.215	8.218	0.000	69	20192	0.8465	
61 Tetrachloroethene	166	8.642	8.649	-0.004	94	1228958	54.8	
67 2-Hexanone	43	8.766	8.773	0.000	96	16750	0.8707	
* 68 Chlorobenzene-d5 (IS)	117	9.602	9.594	0.008	85	504010	10.0	
70 Ethylbenzene	91	9.737	9.744	-0.004	97	53163	1.02	
72 m-Xylene & p-Xylene	91	9.879	9.890	-0.008	98	159376	4.14	
73 o-Xylene	91	10.329	10.337	0.000	97	50511	1.37	
76 Isopropylbenzene	105	10.753	10.757	0.000	81	16574	0.3390	
80 4-Ethyltoluene	105	11.386	11.391	0.004	98	16512	0.3231	
82 1,3,5-Trimethylbenzene	105	11.450	11.459	0.000	95	20025	0.4675	
86 1,2,4-Trimethylbenzene	105	11.858	11.868	-0.001	97	50721	1.29	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

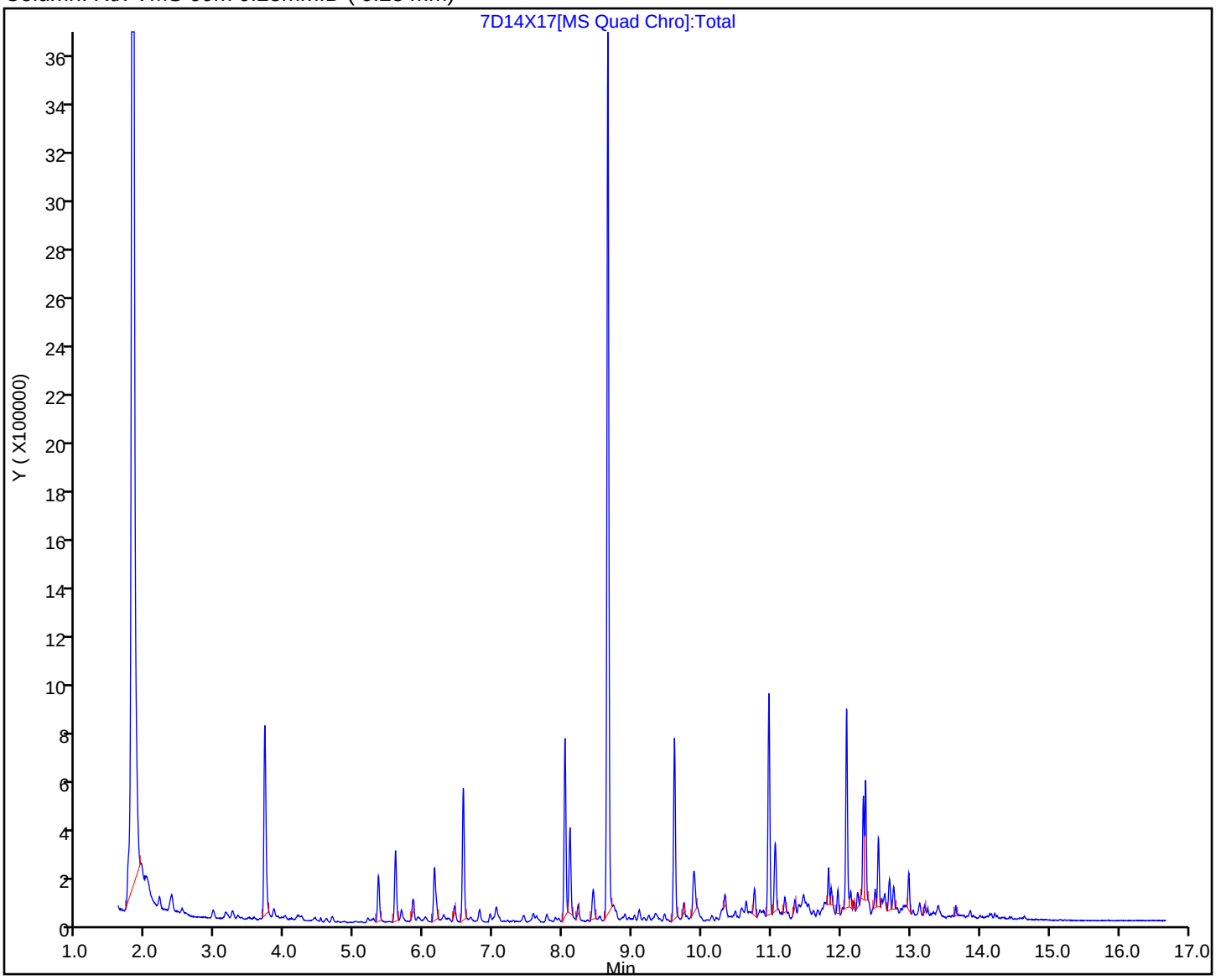
AIRIS200 ppb_00260	Amount Added:	10.00	Units: mL	Run Reagent

Report Date: 15-Dec-2023 08:40:38 Chrom Revision: 2.3 30-Nov-2023 17:25:52

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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



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Recovery Report

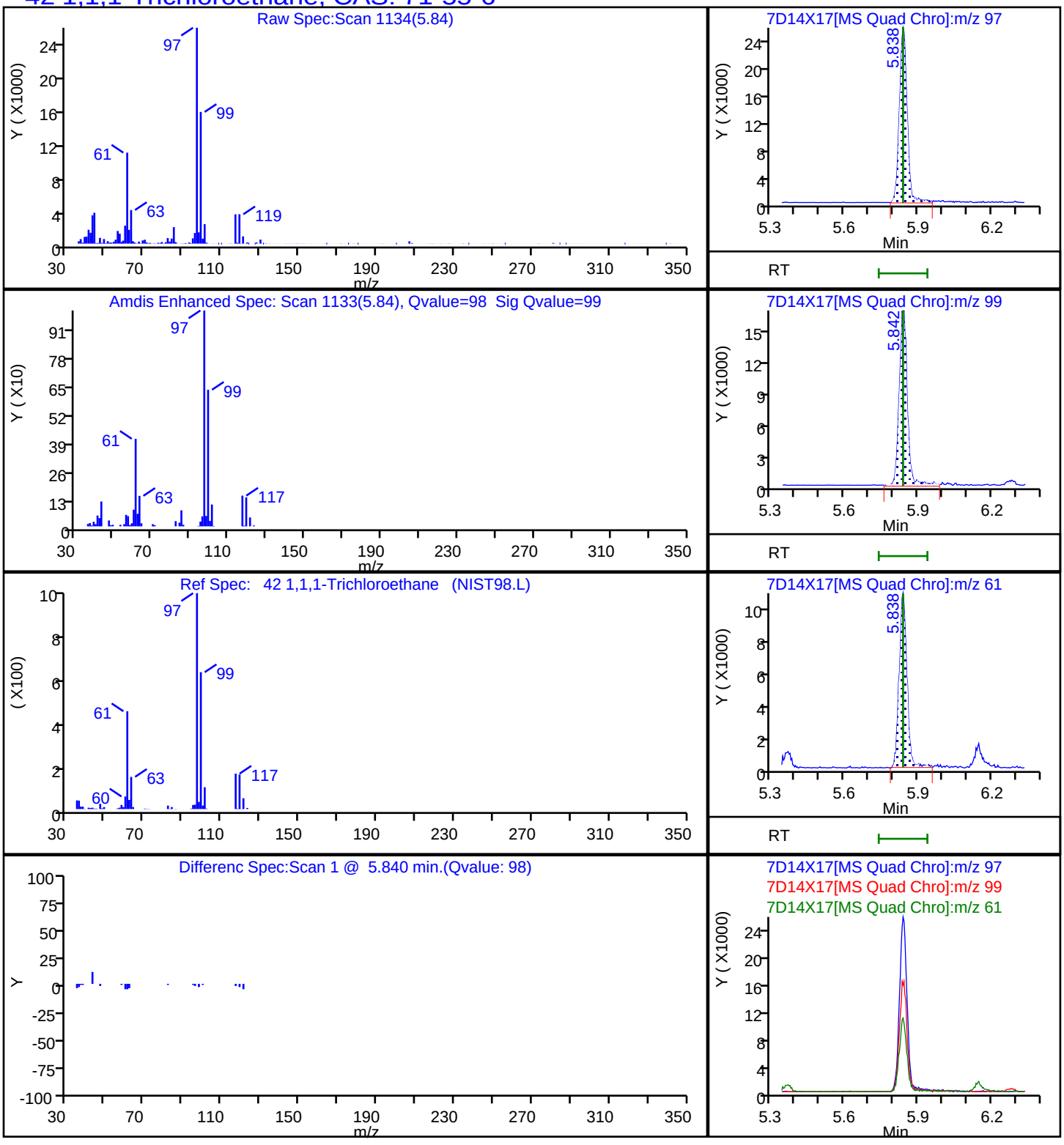
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Lims ID:	410-154614-A-1				
Client ID:	SV-1-20231212				
Sample Type:	Client				
Inject. Date:	14-Dec-2023 14:46:08	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	154614-1				
Misc. Info.:	410-0101896-017				
Operator ID:	bcb85445	Instrument ID:	HP8R004		
Method:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m				
Limit Group:	MSV - TO15				
Last Update:	15-Dec-2023 08:39:42	Calib Date:	19-Oct-2023 17:54:23		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D				
Column 1 :	Rtx-VMS 60m 0.25mmID (0.25 mm)		Det: MS Quad		
Process Host:	CTX1681				
First Level Reviewer: MLX9		Date:	15-Dec-2023 07:56:26		

Compound	Amount Added	Amount Recovered	% Rec.

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

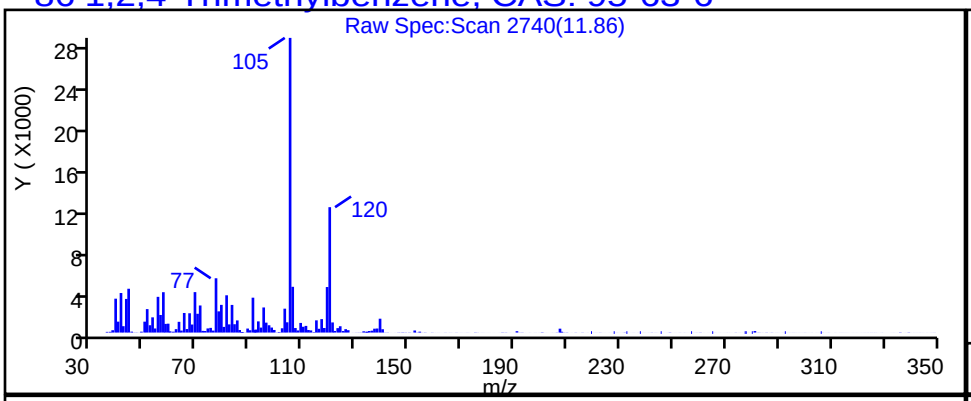
42 1,1,1-Trichloroethane, CAS: 71-55-6

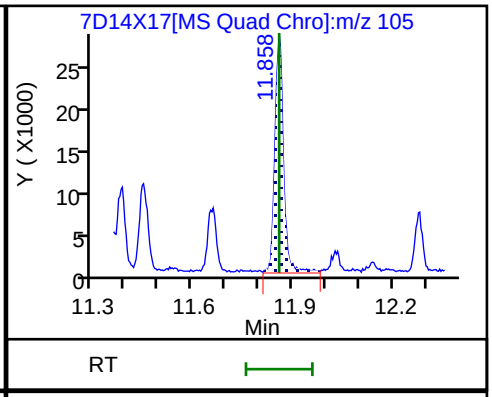


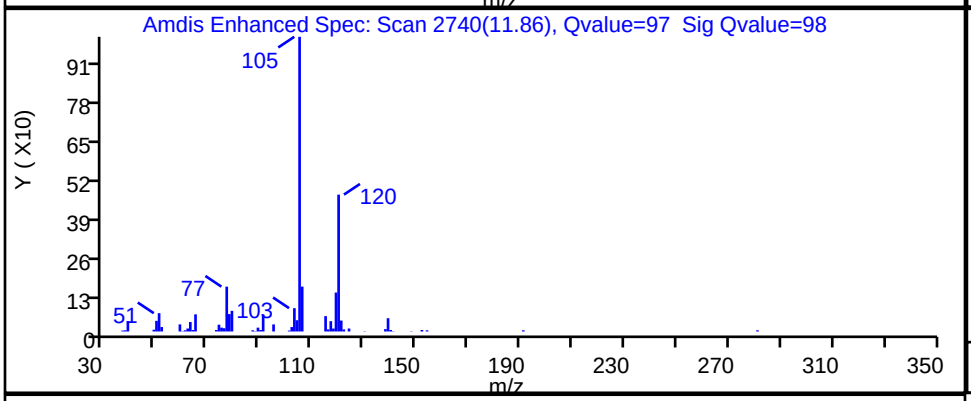
Eurofins Lancaster Laboratories Environment Testing, LLC

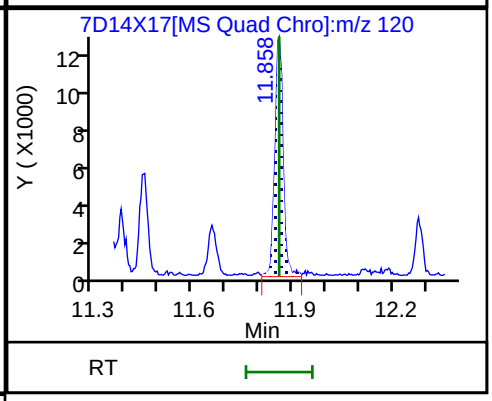
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Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

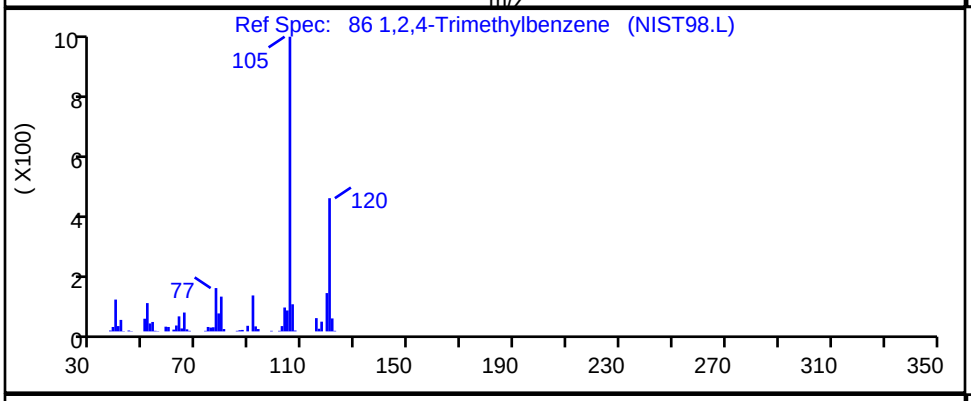
86 1,2,4-Trimethylbenzene, CAS: 95-63-6

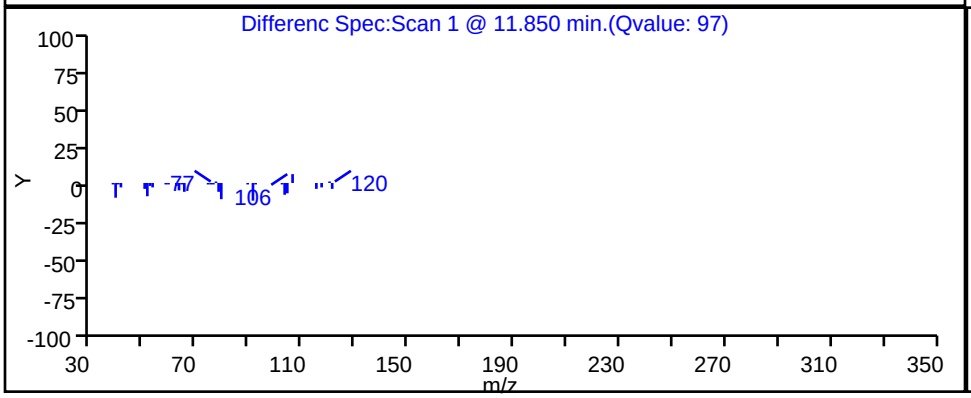


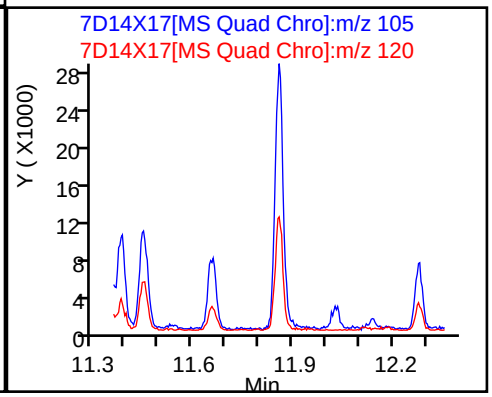








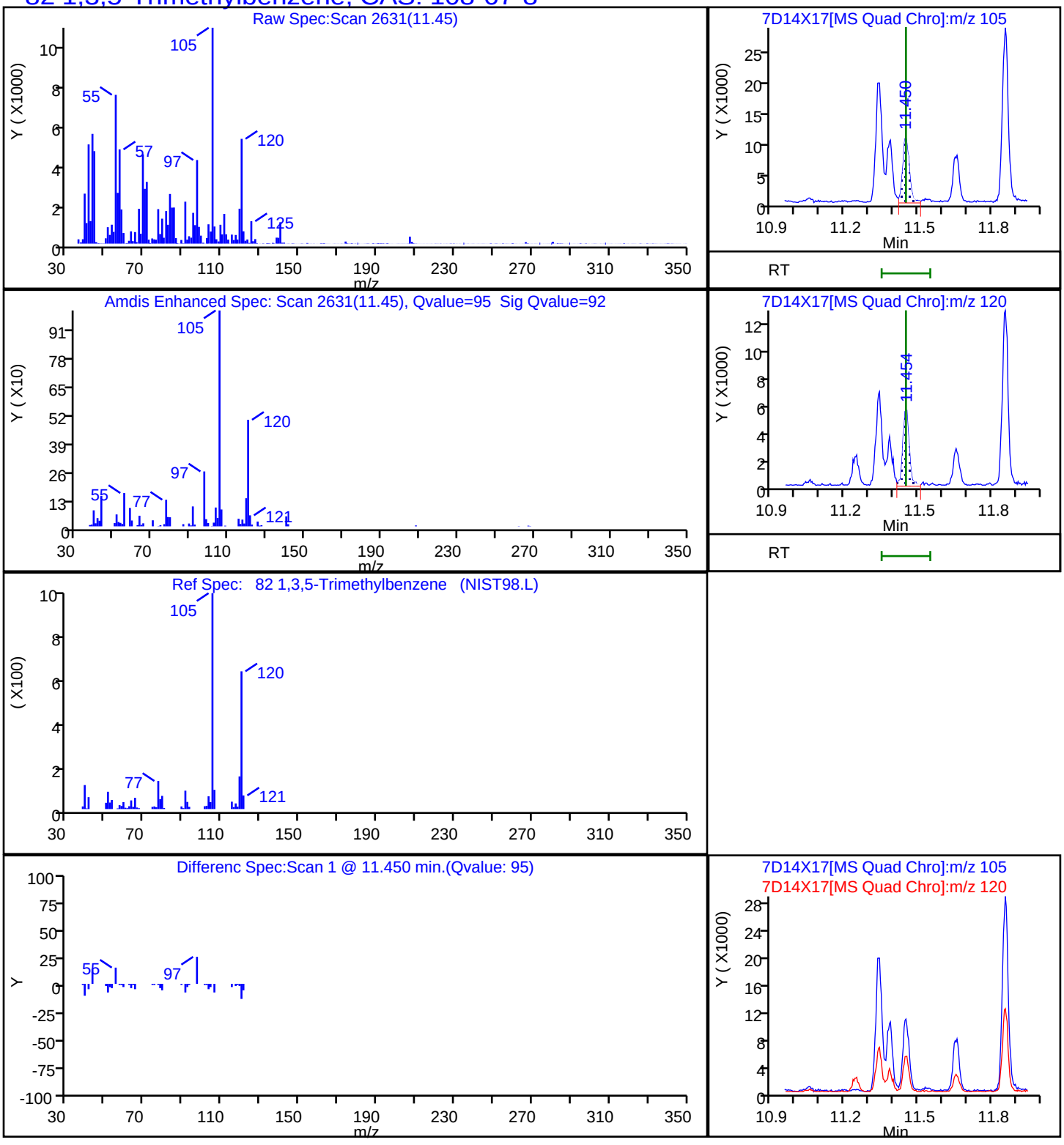




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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

82 1,3,5-Trimethylbenzene, CAS: 108-67-8

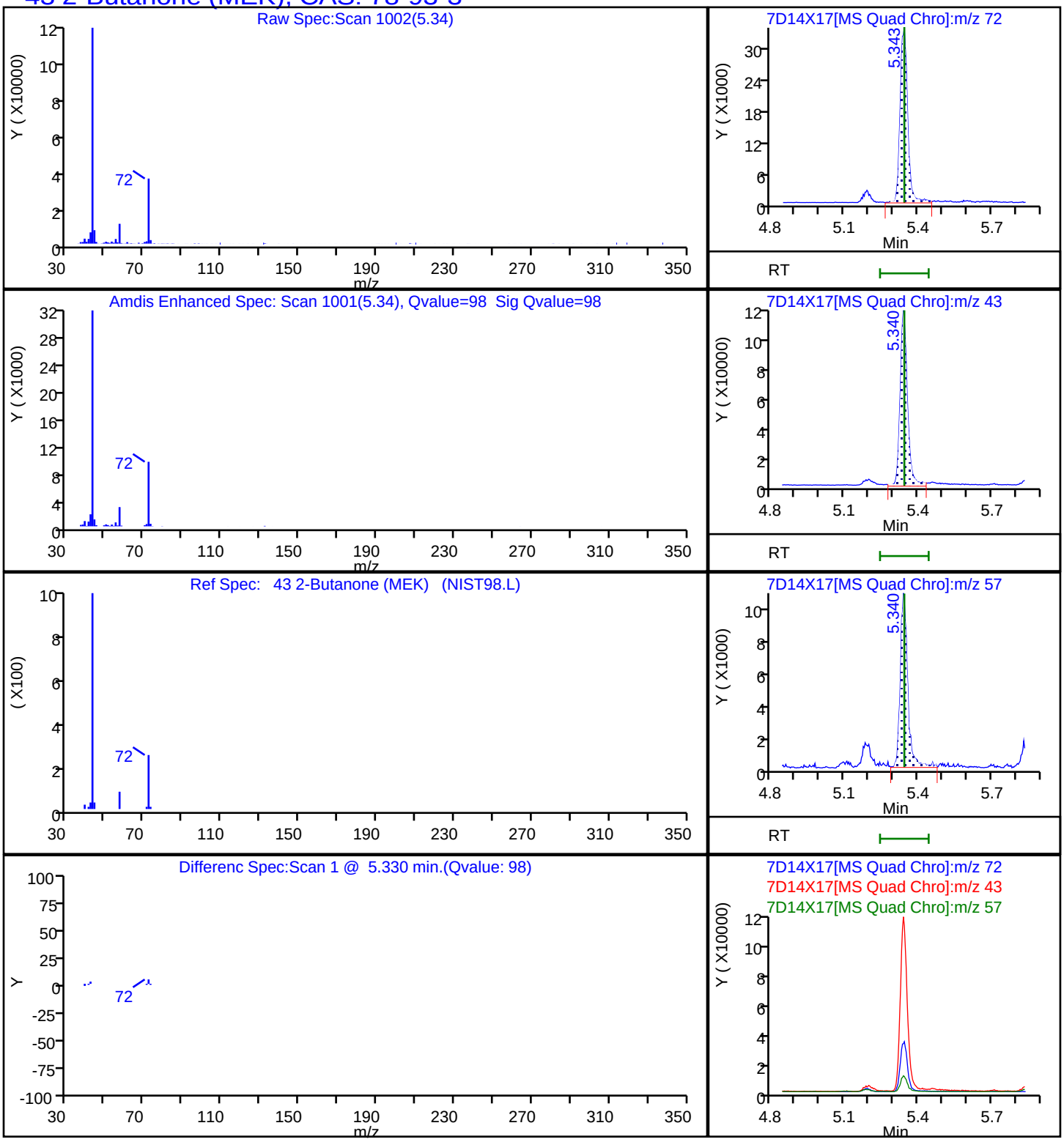


Report Date: 15-Dec-2023 08:40:39 Chrom Revision: 2.3 30-Nov-2023 17:25:52

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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

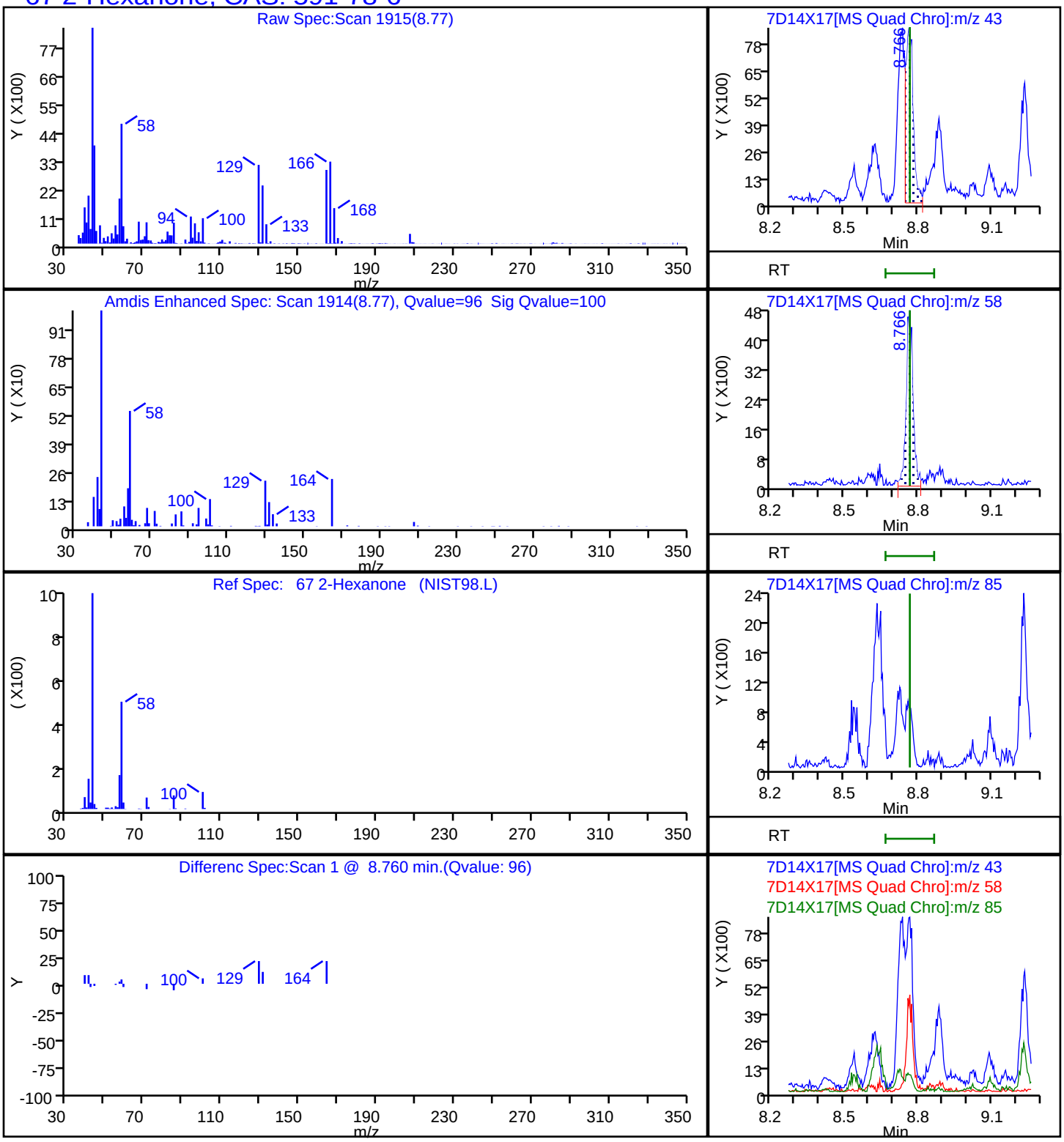
43 2-Butanone (MEK), CAS: 78-93-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

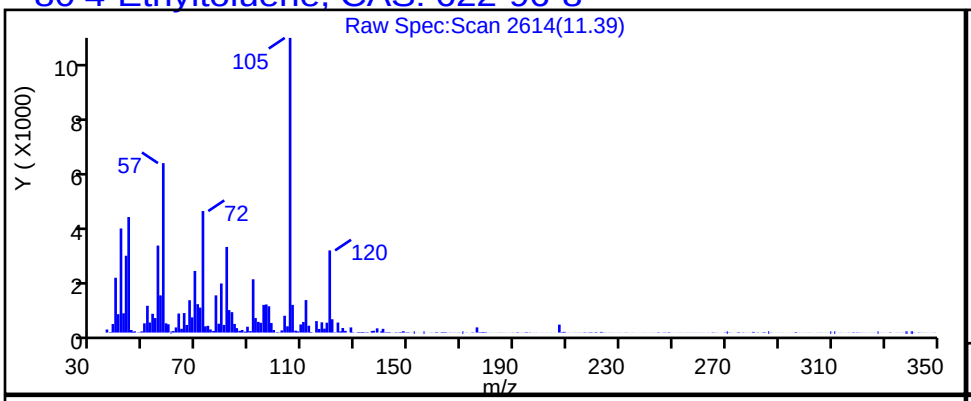
67 2-Hexanone, CAS: 591-78-6

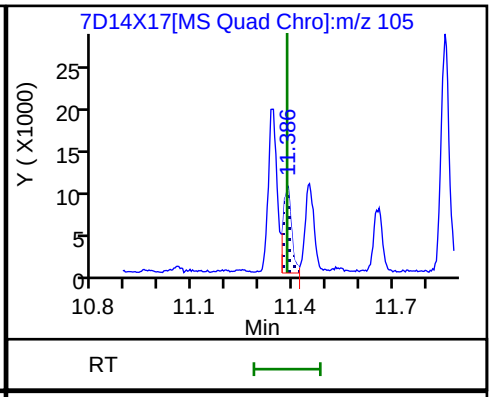


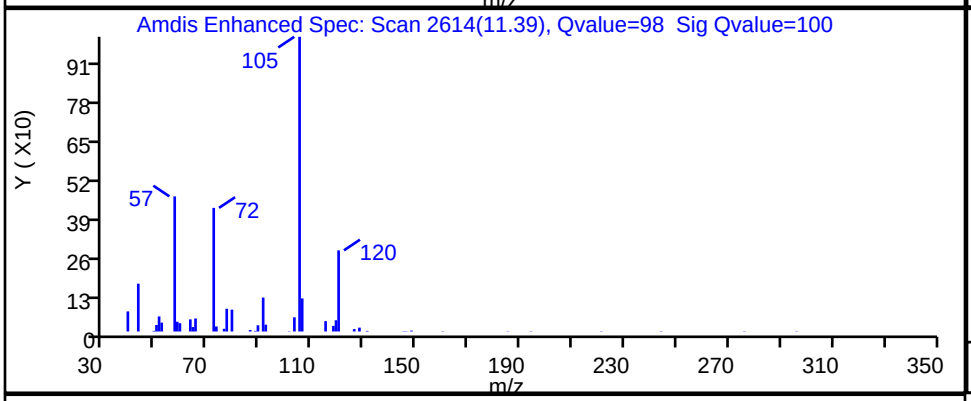
Eurofins Lancaster Laboratories Environment Testing, LLC

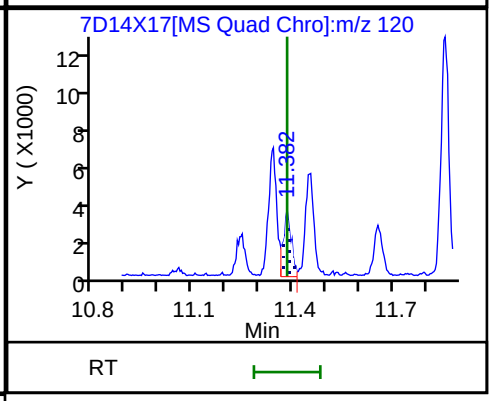
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

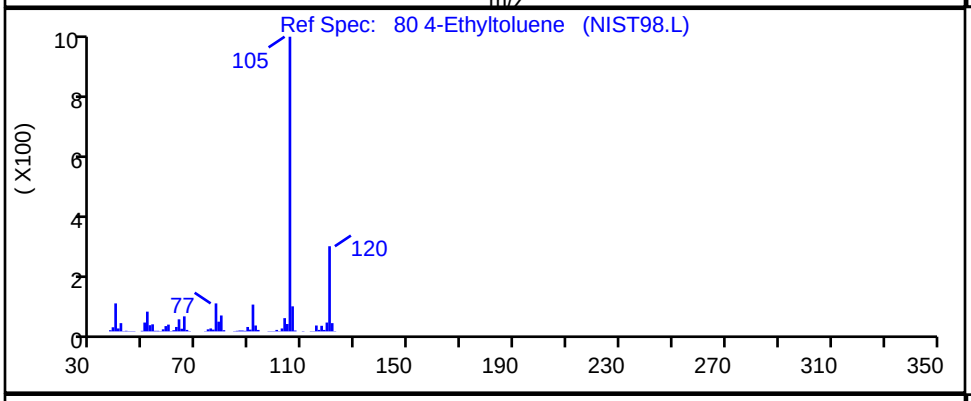
80 4-Ethyltoluene, CAS: 622-96-8

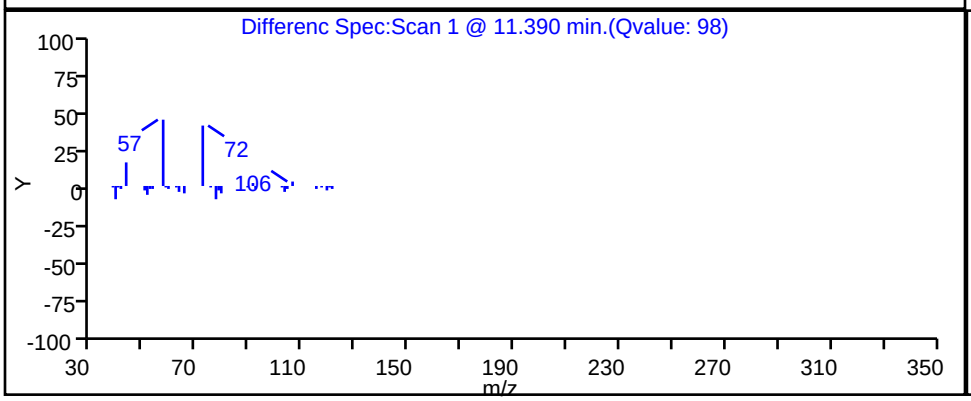


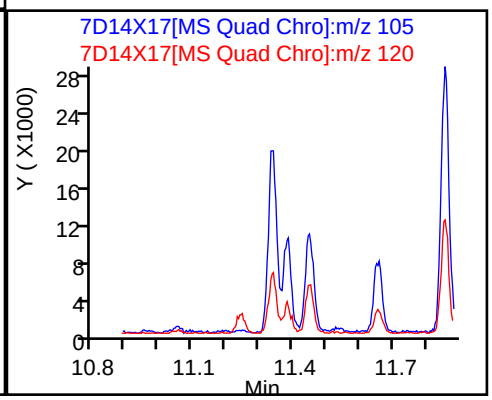








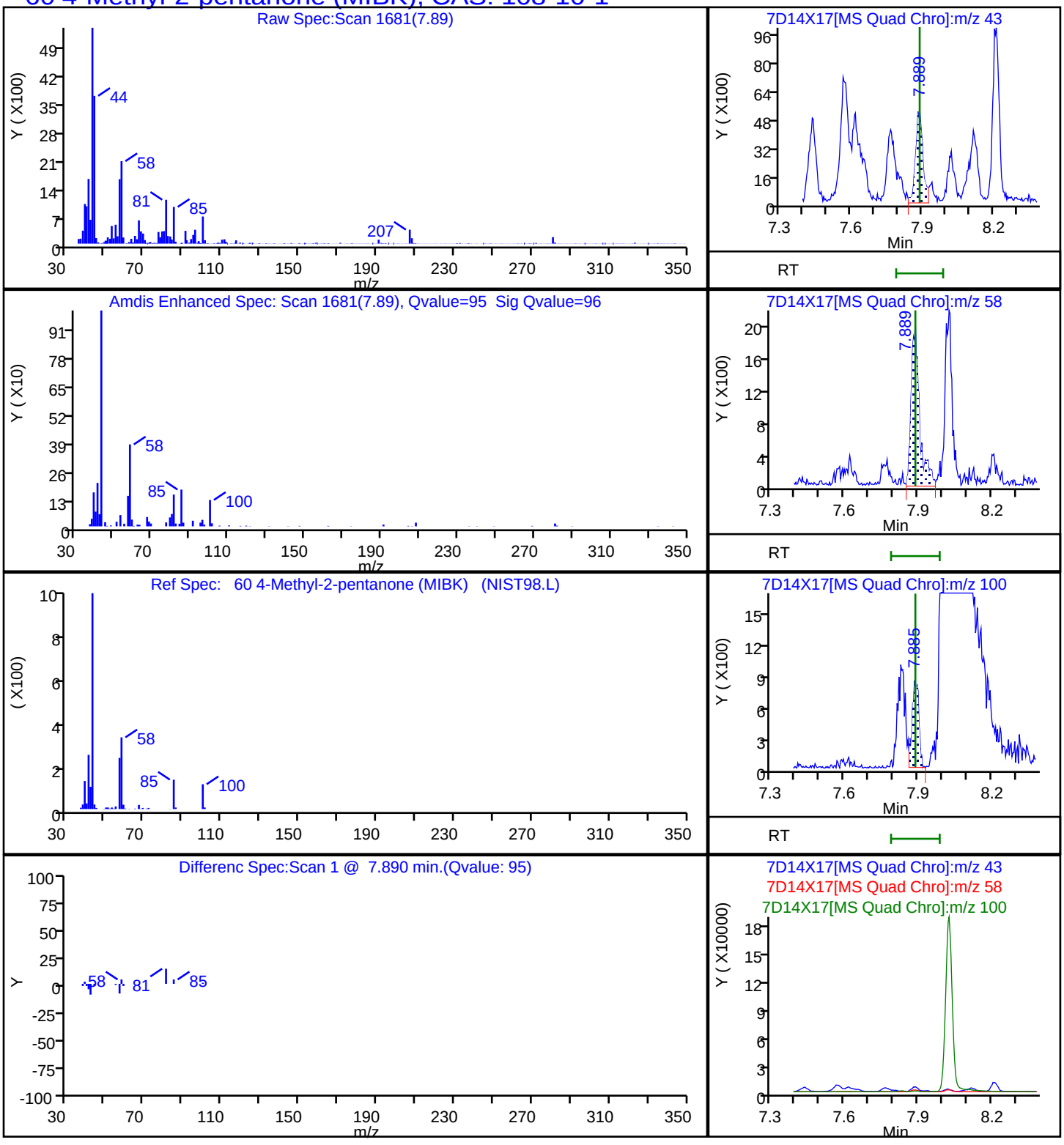




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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

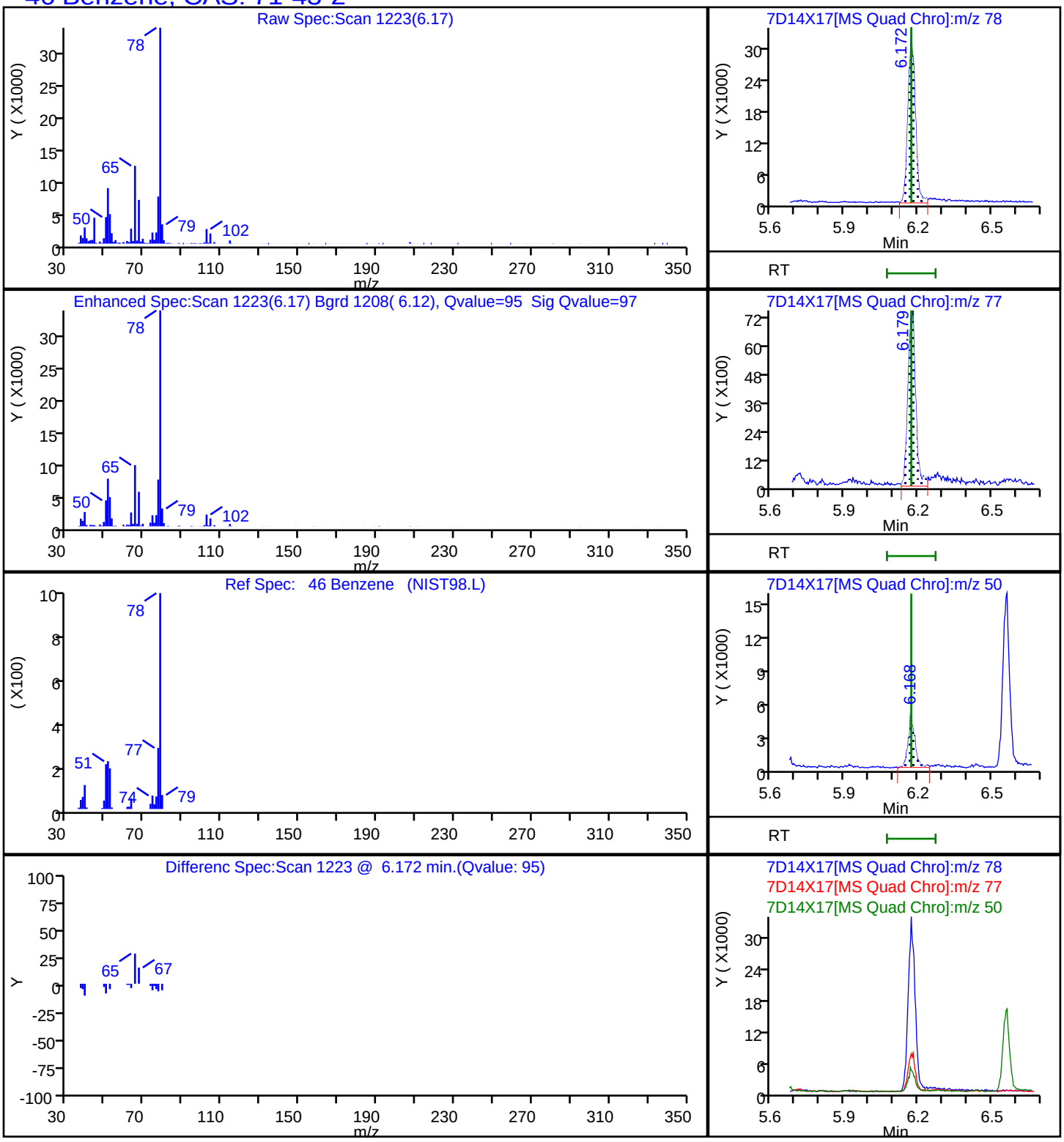
60 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

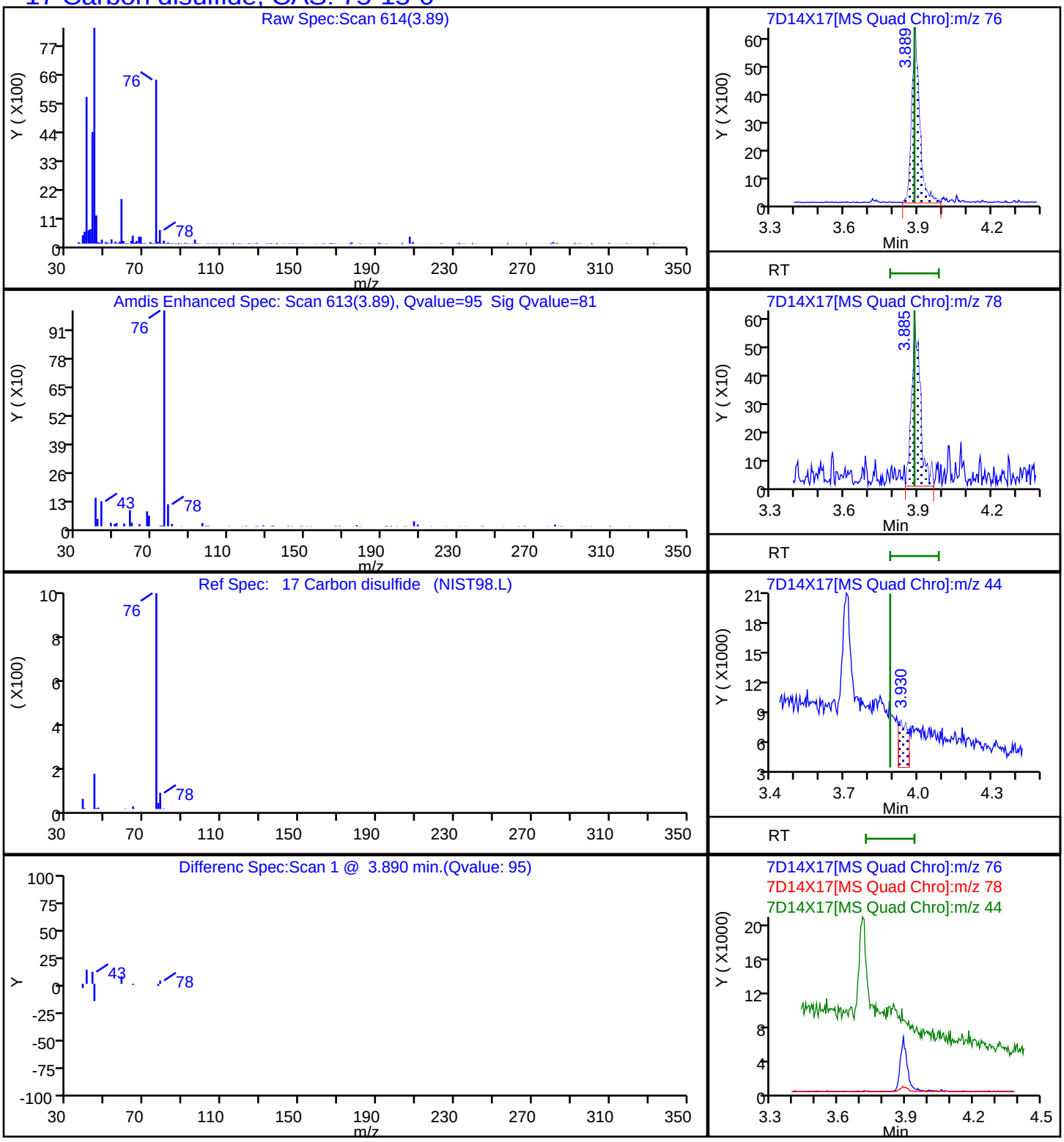
46 Benzene, CAS: 71-43-2



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

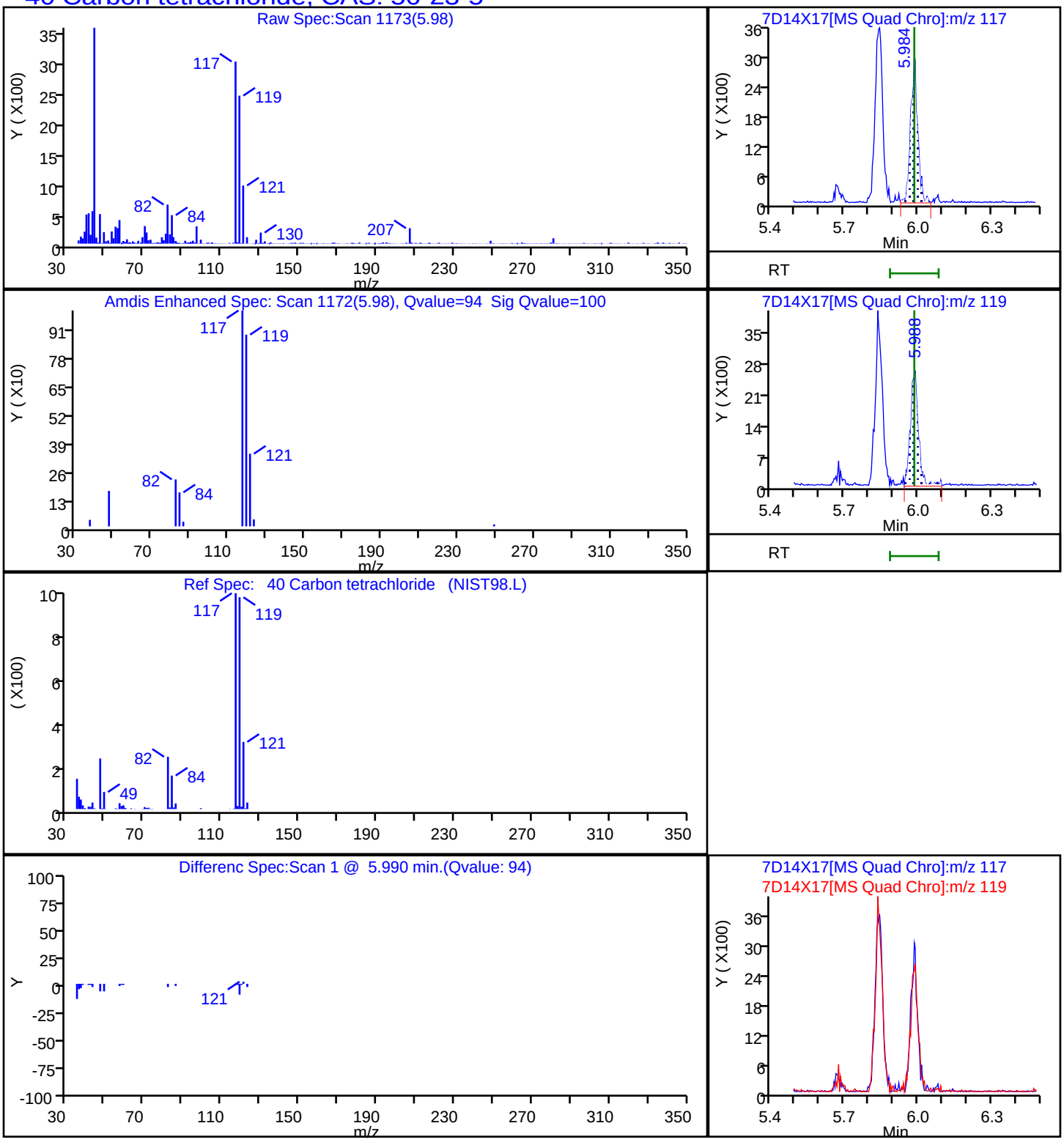
17 Carbon disulfide, CAS: 75-15-0



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

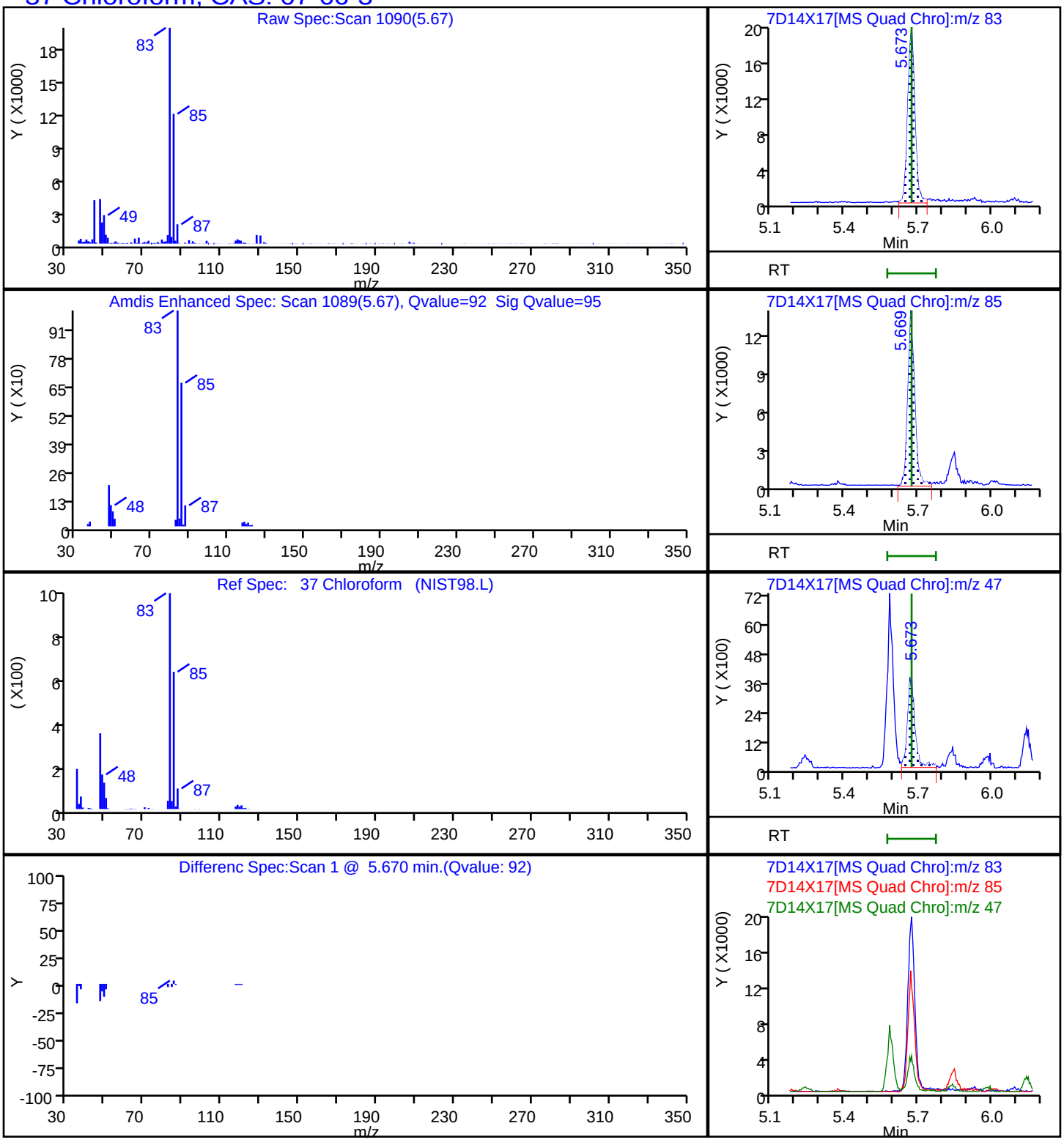
40 Carbon tetrachloride, CAS: 56-23-5



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

37 Chloroform, CAS: 67-66-3

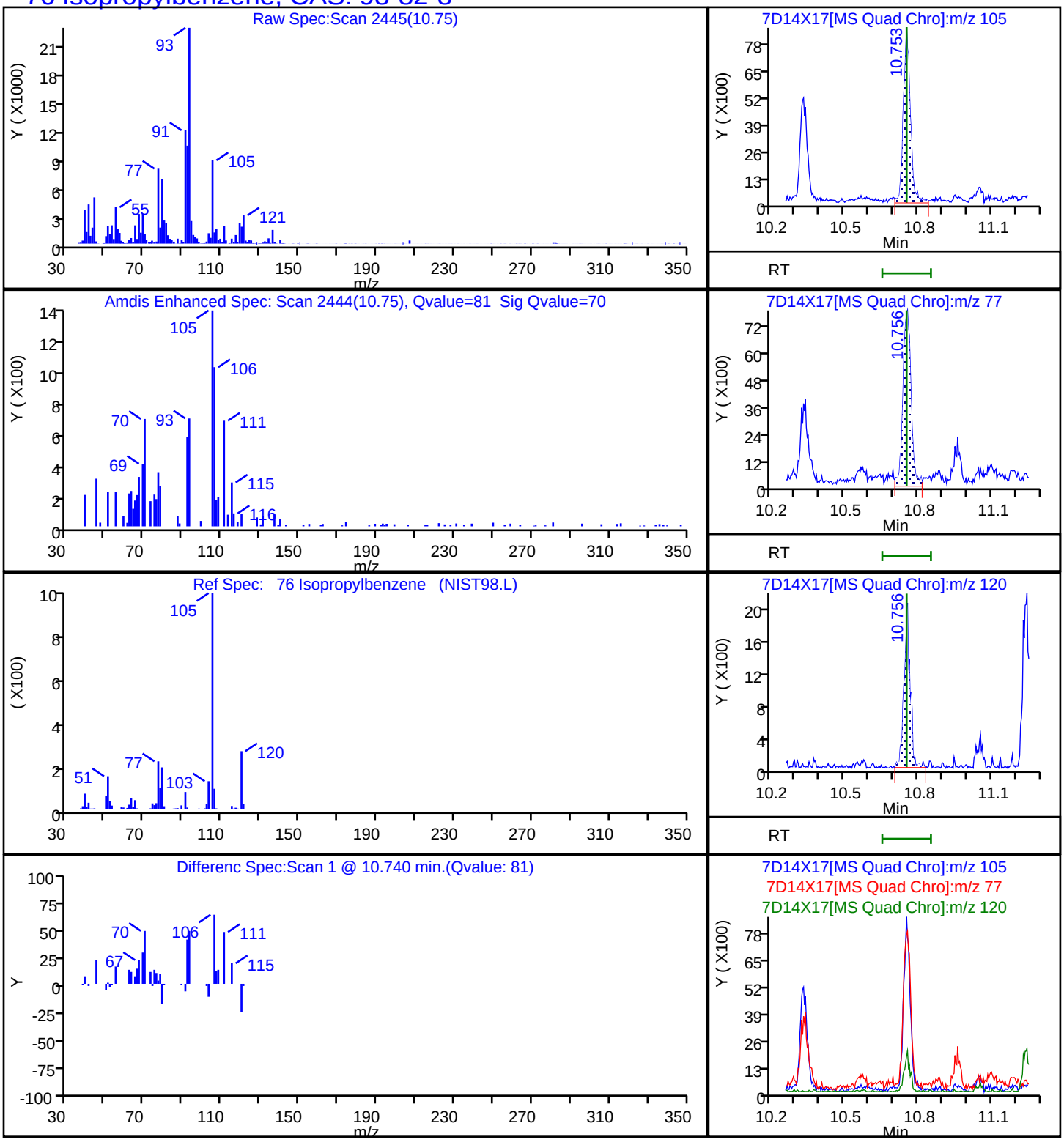


Report Date: 15-Dec-2023 08:40:40 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

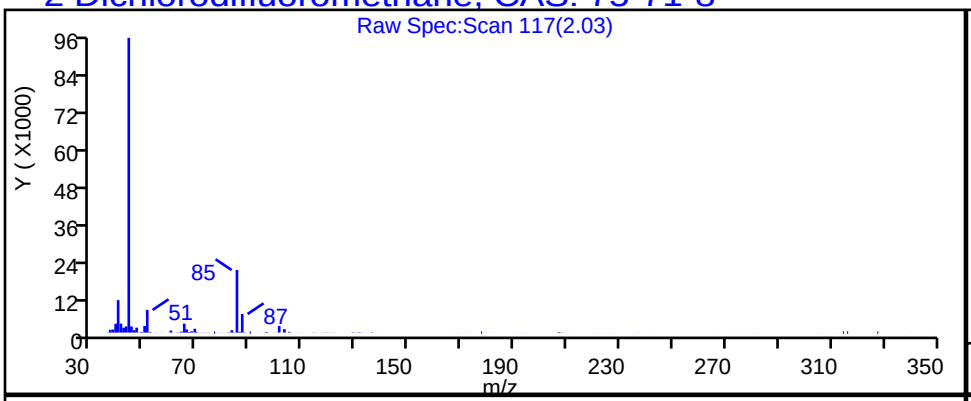
76 Isopropylbenzene, CAS: 98-82-8

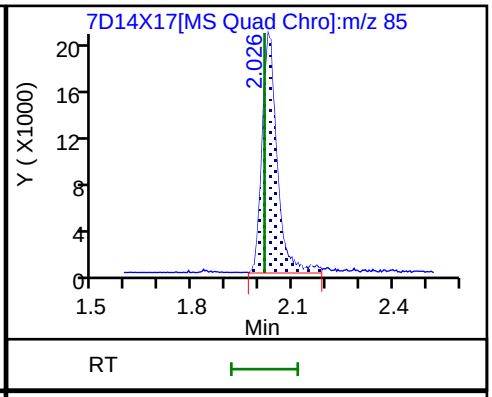


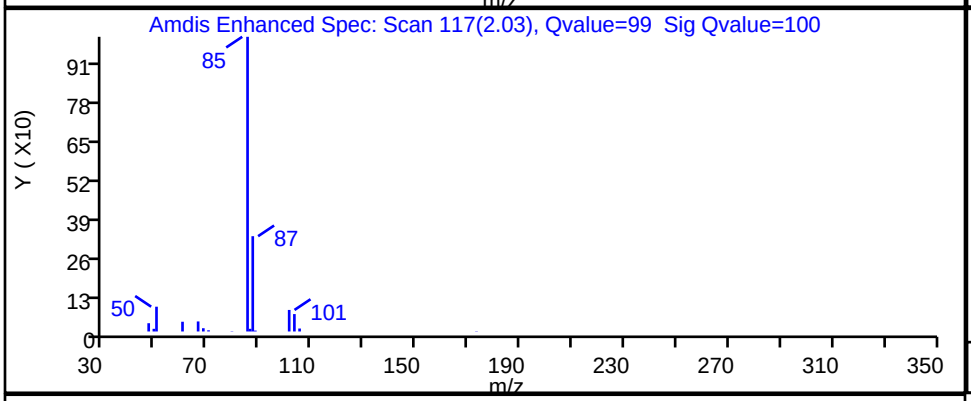
Eurofins Lancaster Laboratories Environment Testing, LLC

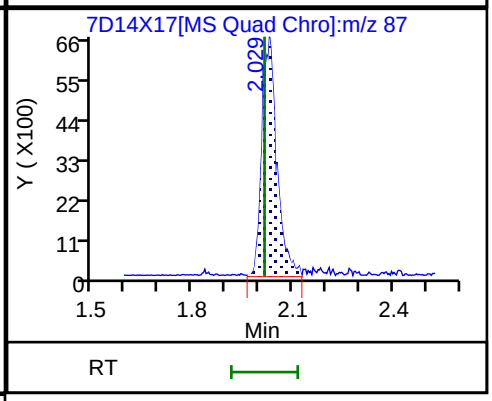
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

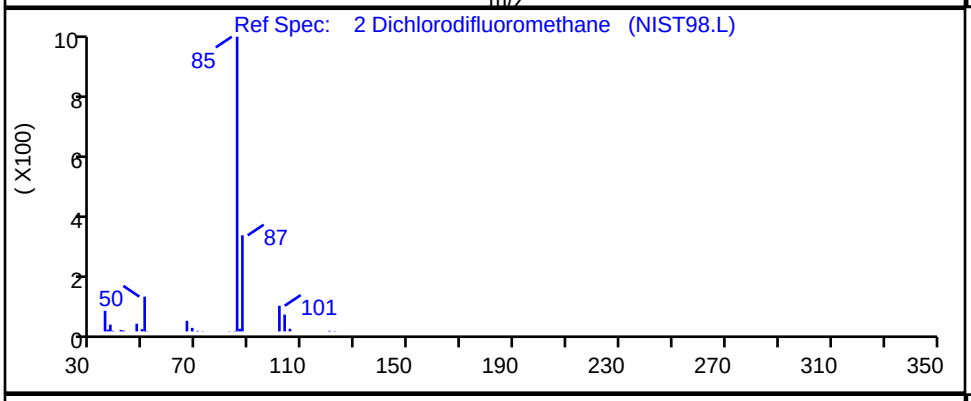
2 Dichlorodifluoromethane, CAS: 75-71-8

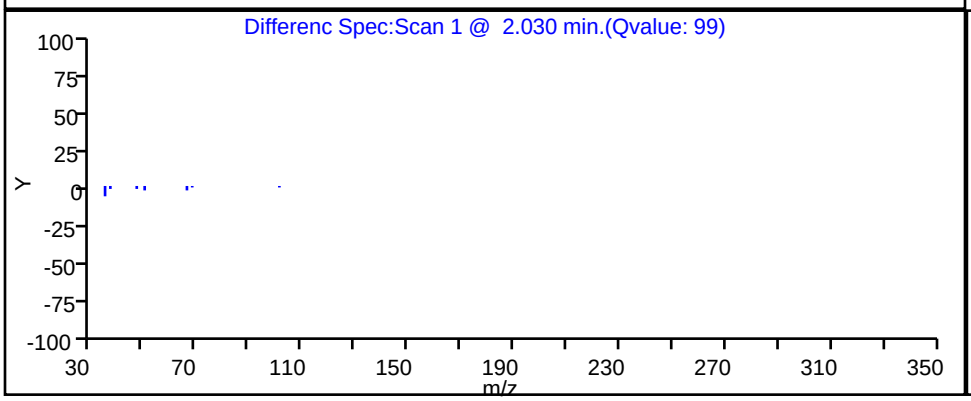


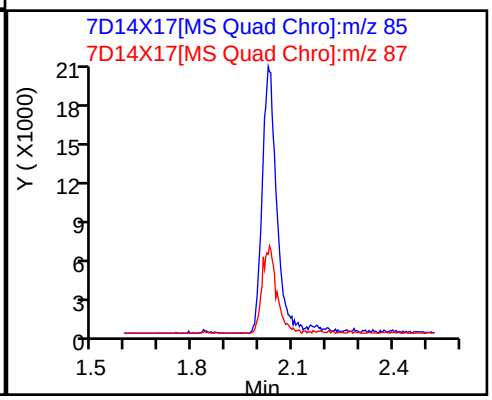








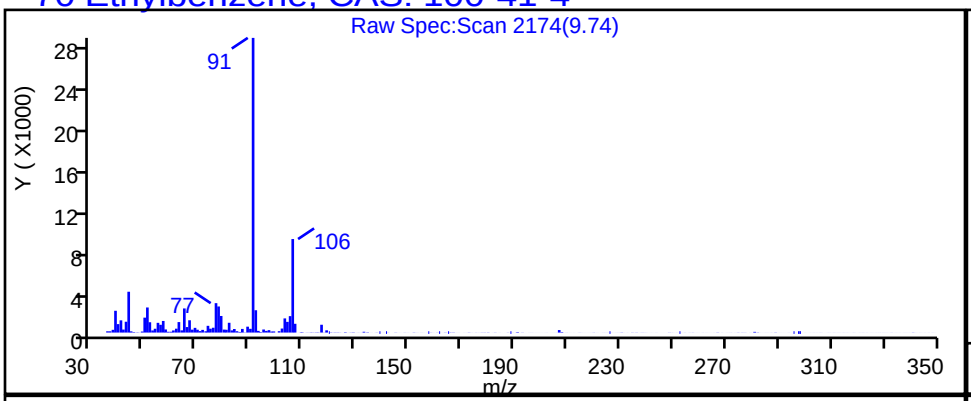


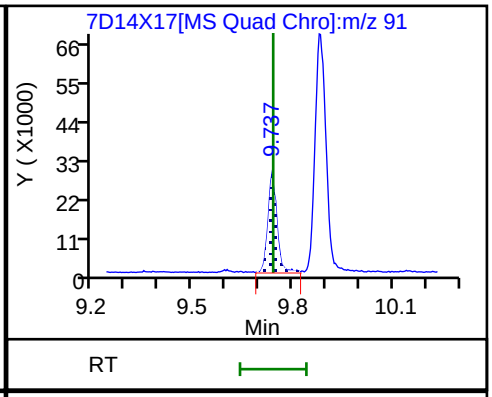


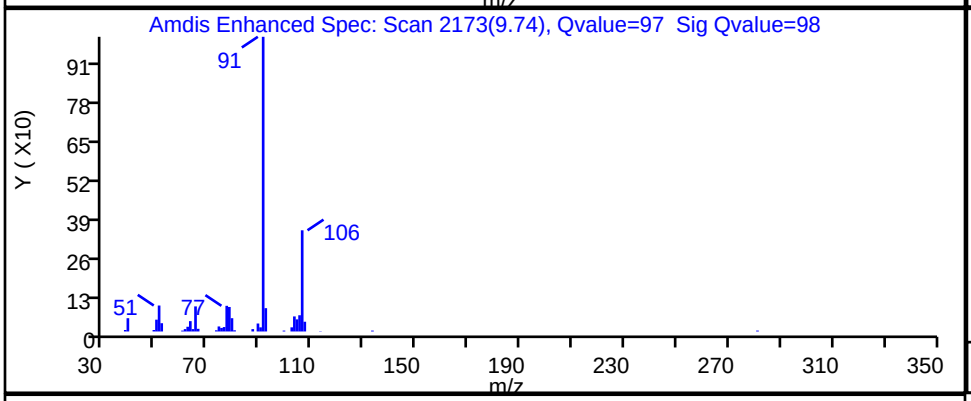
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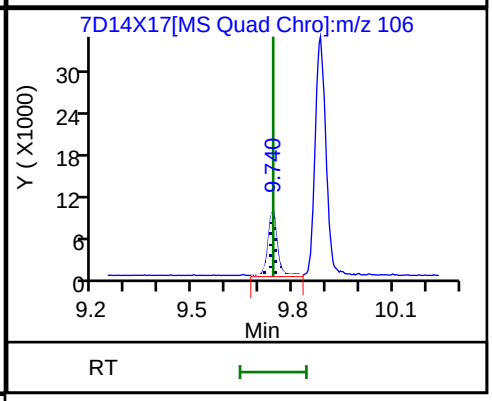
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Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

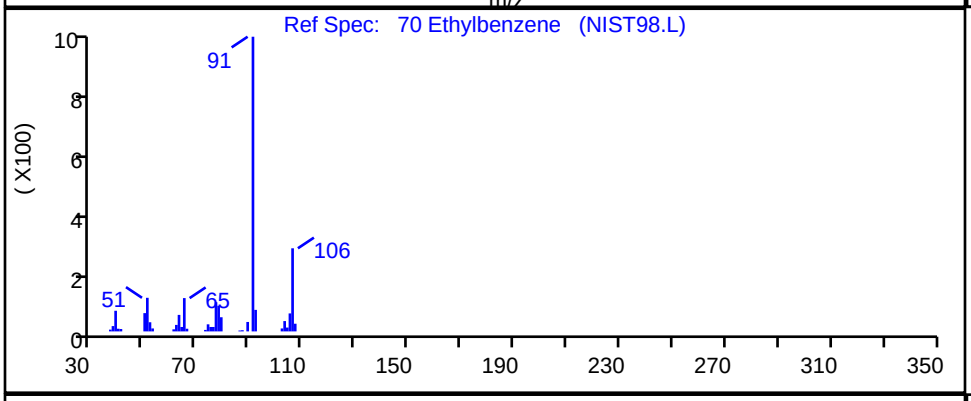
70 Ethylbenzene, CAS: 100-41-4

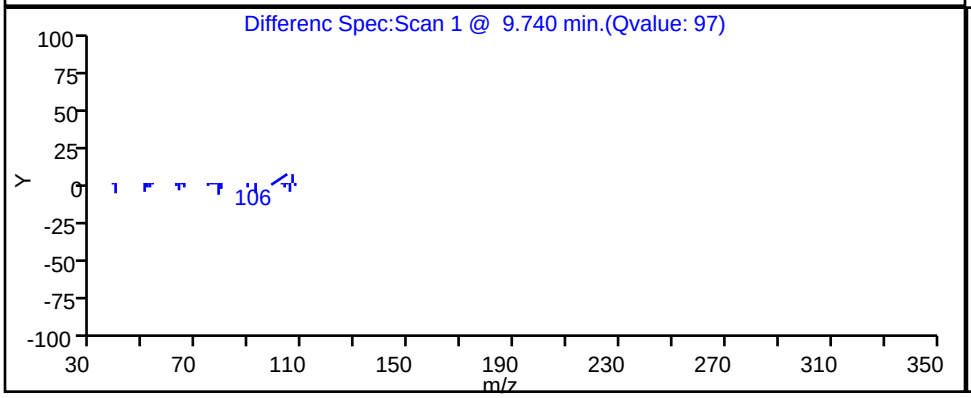


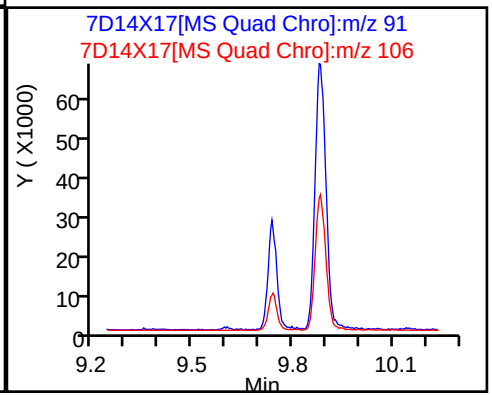








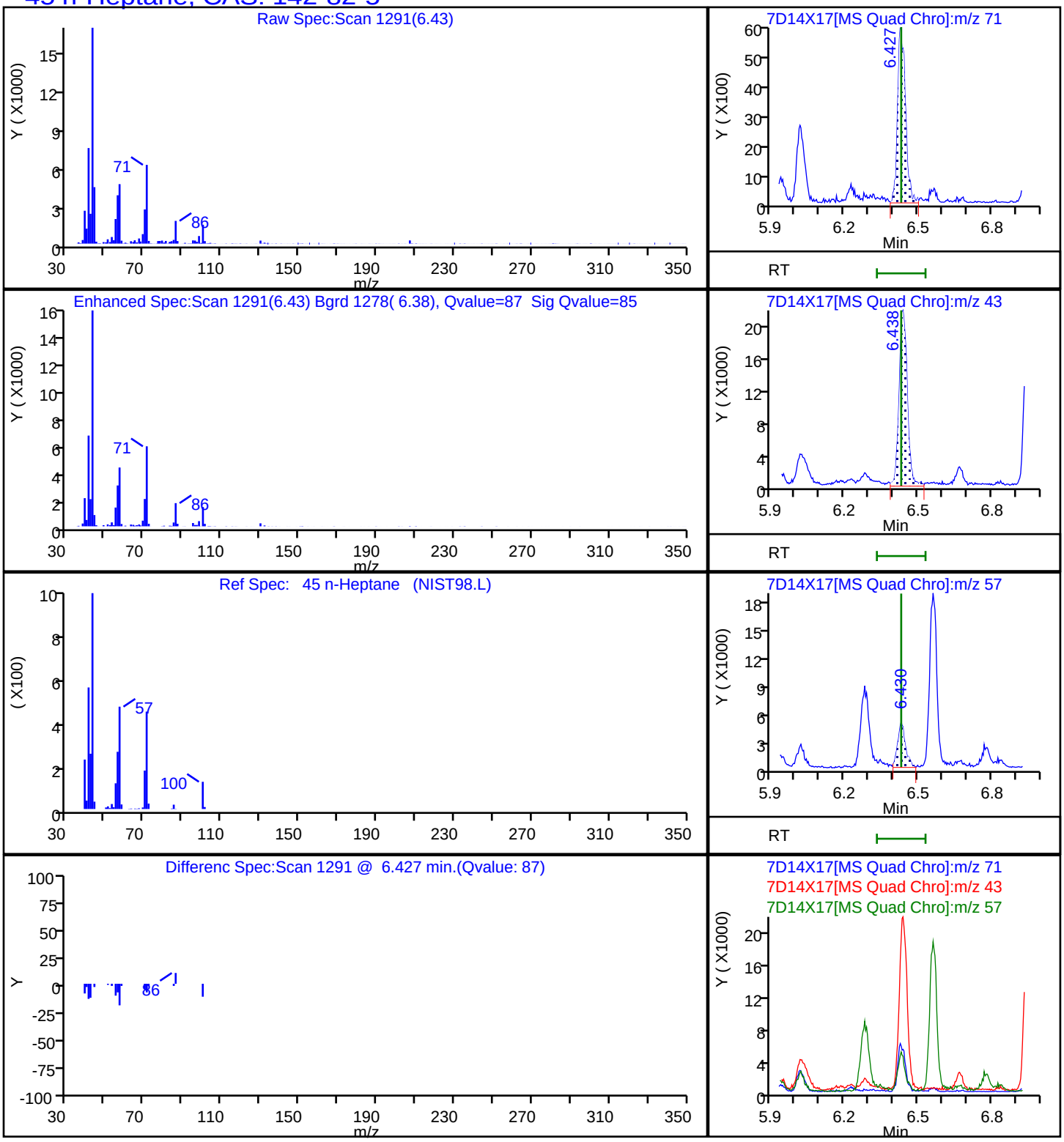




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Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

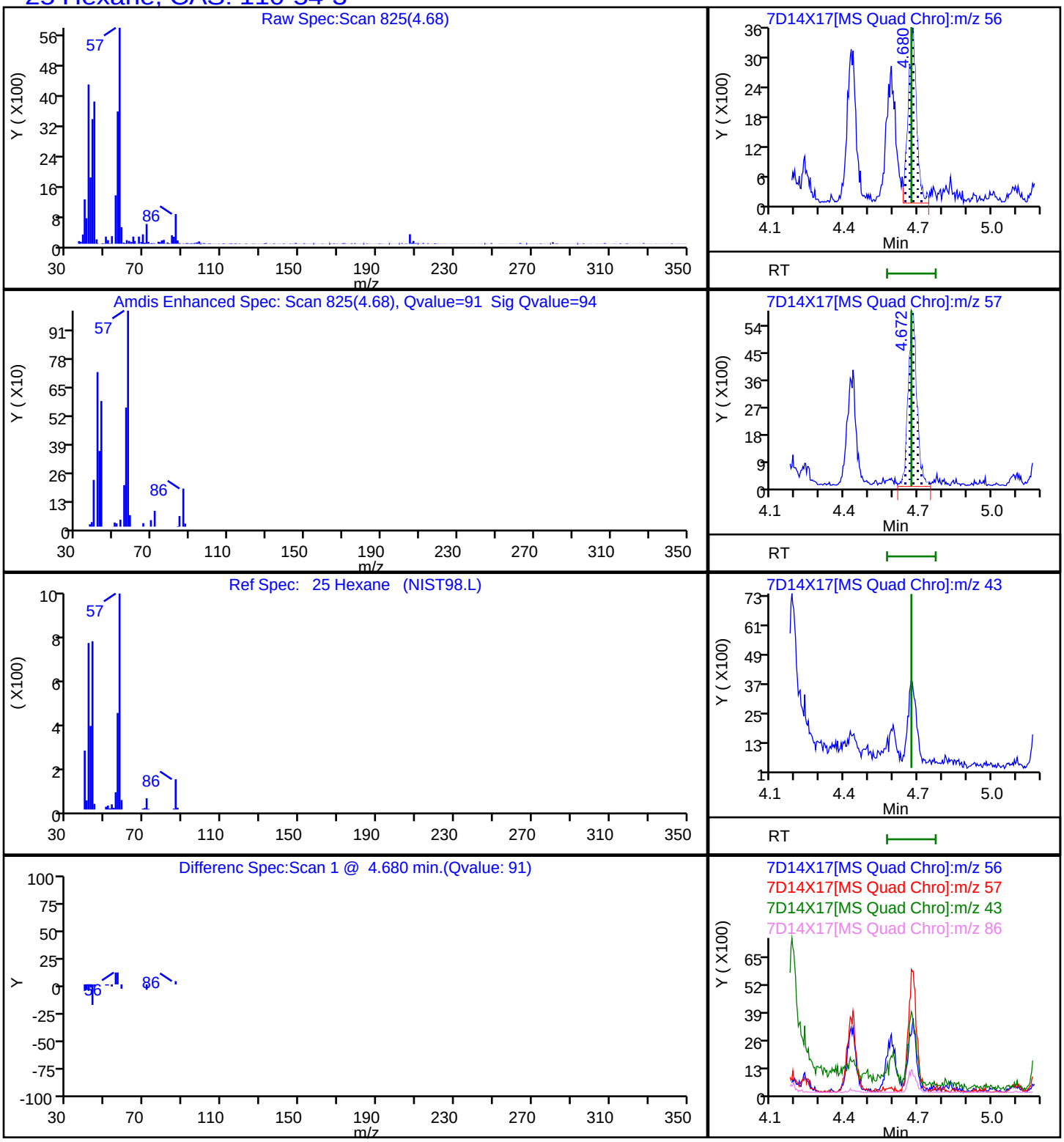
45 n-Heptane, CAS: 142-82-5



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
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Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

25 Hexane, CAS: 110-54-3

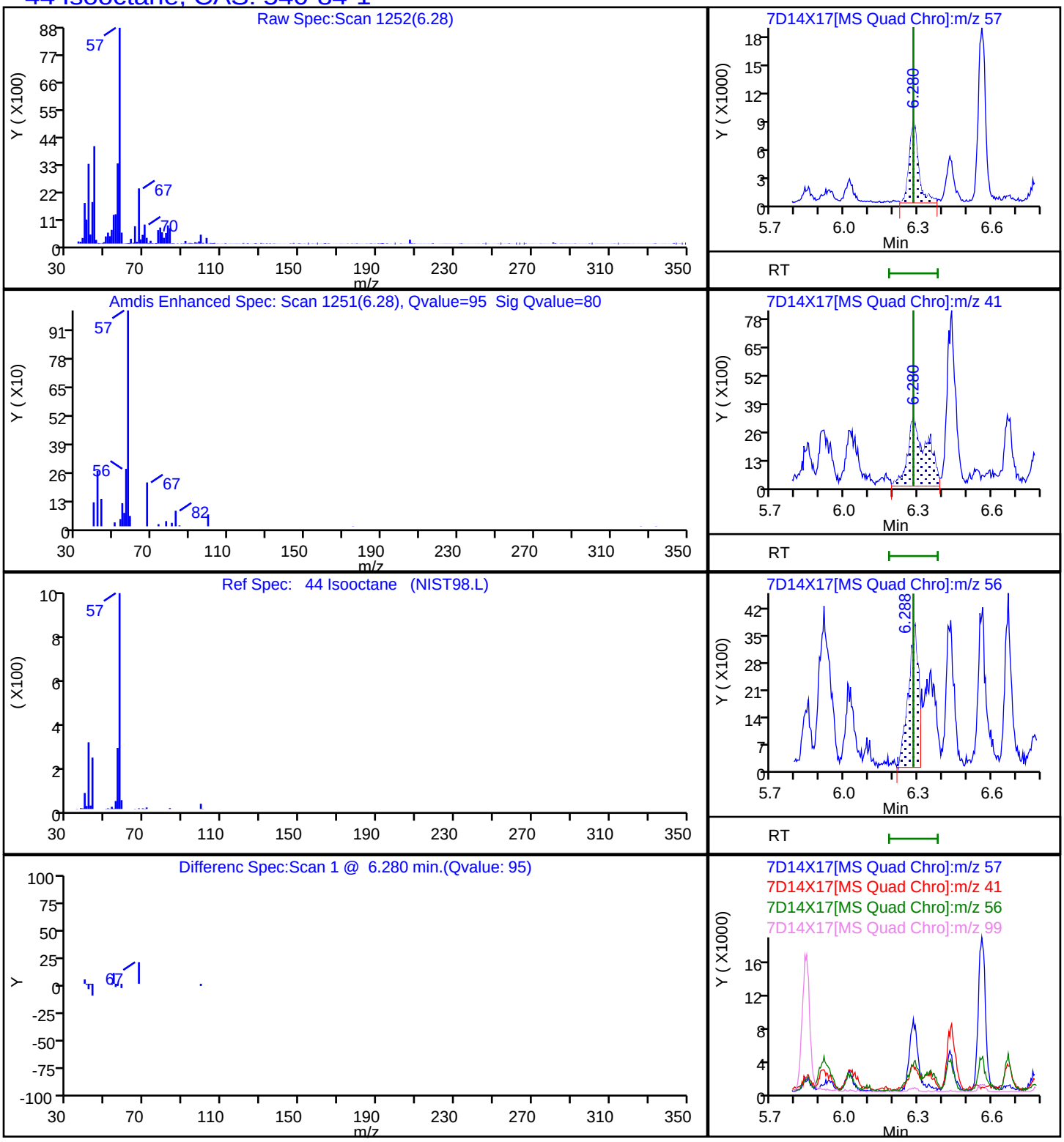


Report Date: 15-Dec-2023 08:40:39 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

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Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

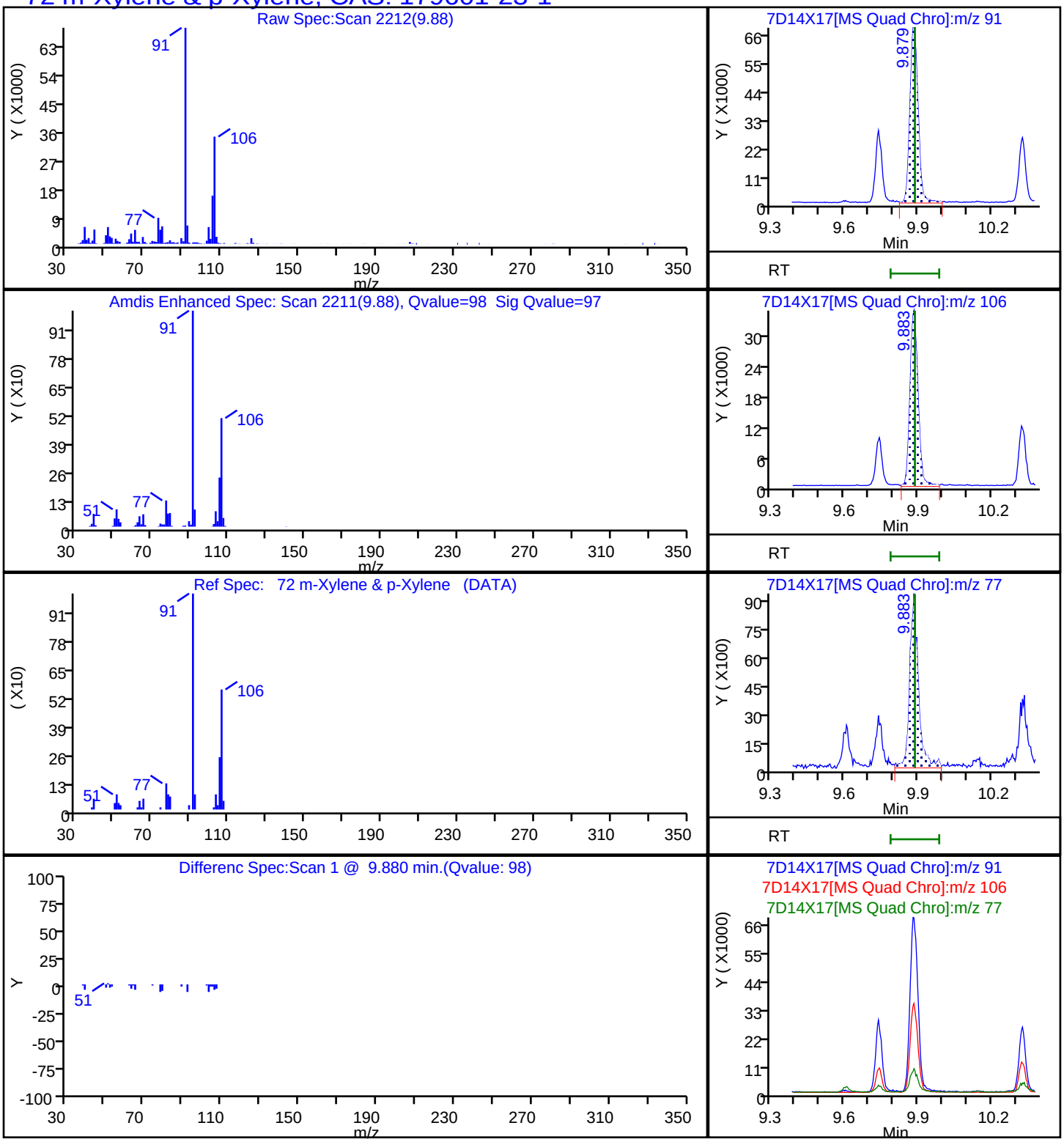
44 Isooctane, CAS: 540-84-1



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Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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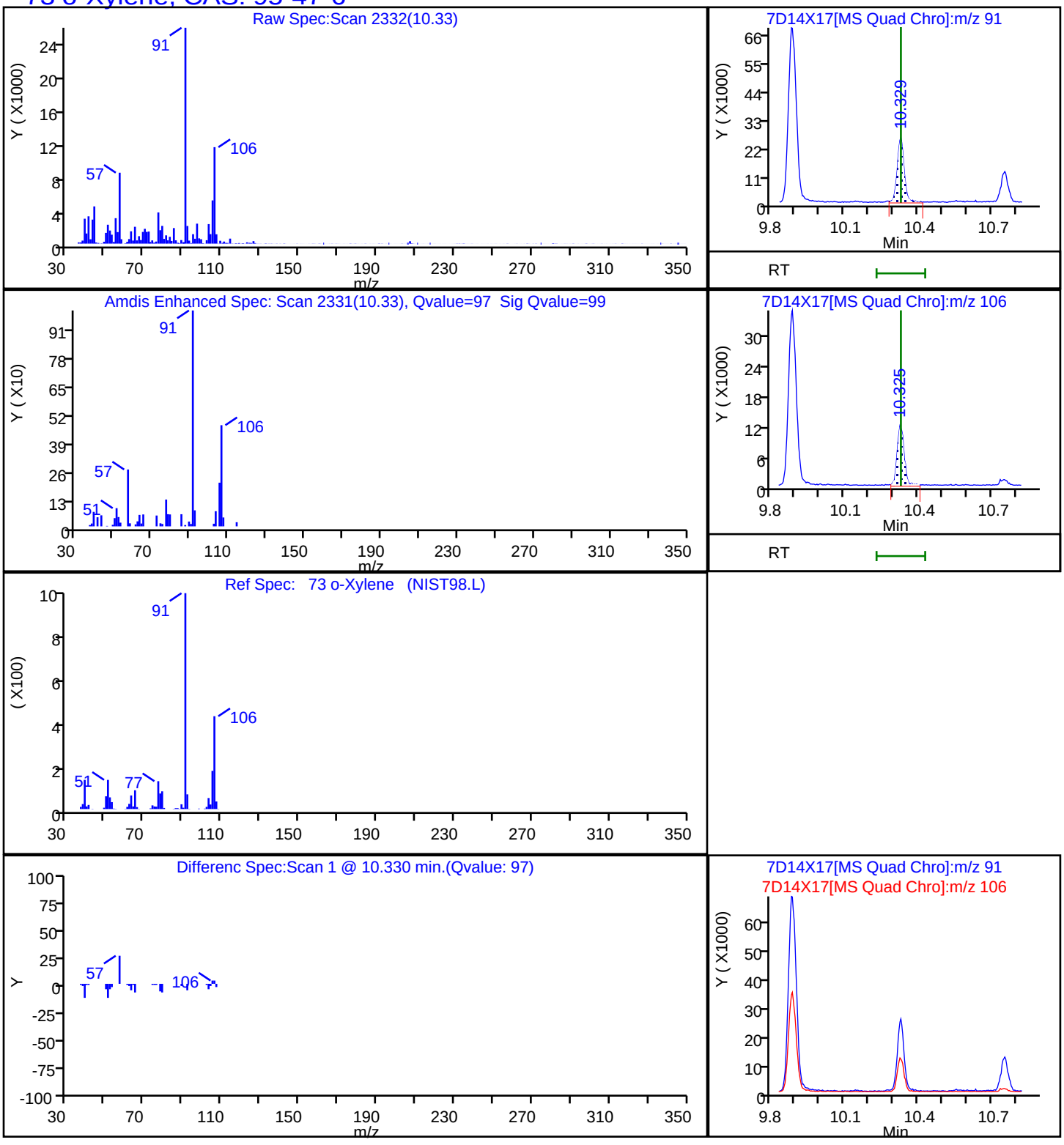
72 m-Xylene & p-Xylene, CAS: 179601-23-1



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
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Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

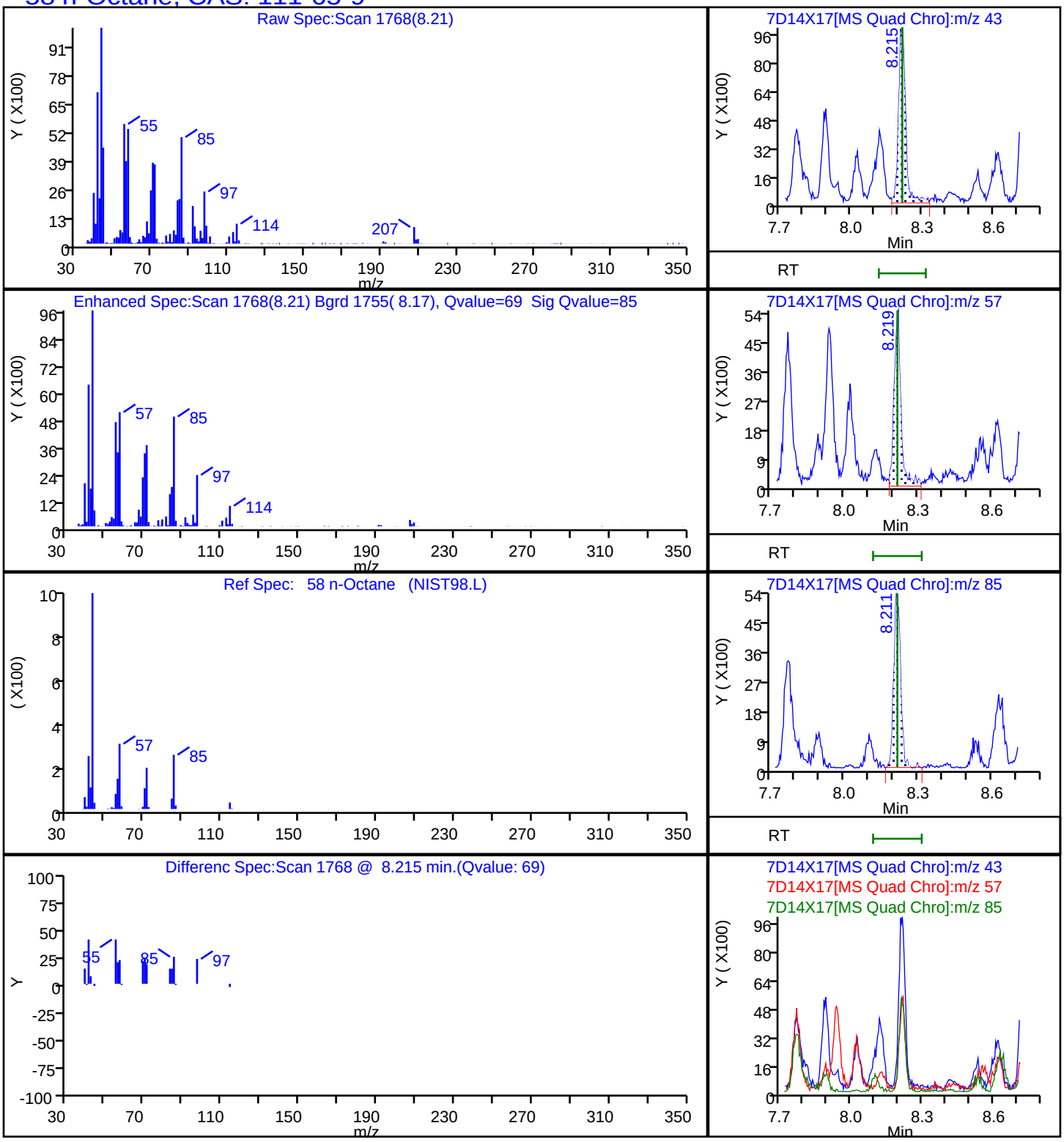
73 o-Xylene, CAS: 95-47-6



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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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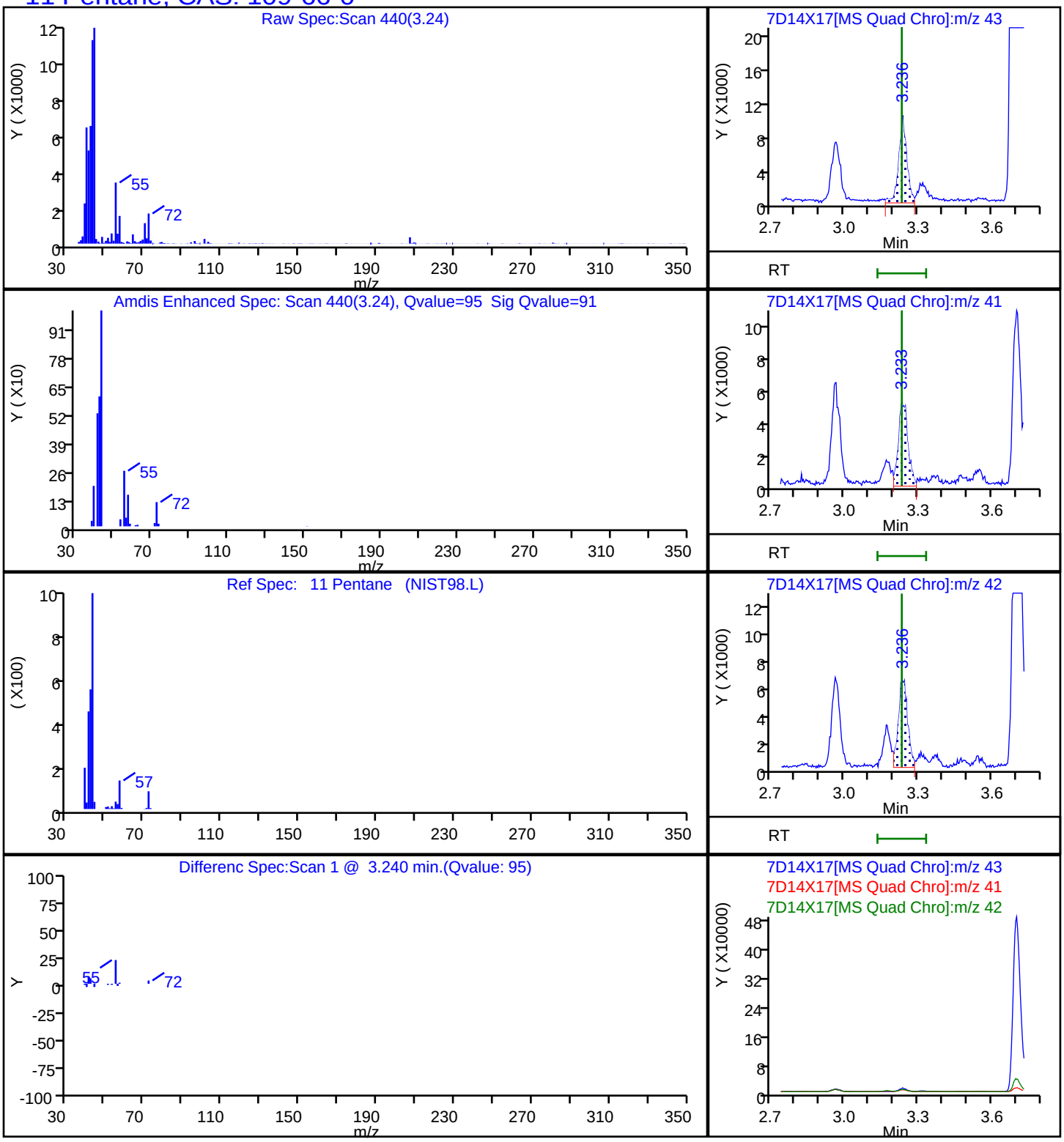
58 n-Octane, CAS: 111-65-9



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Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

11 Pentane, CAS: 109-66-0

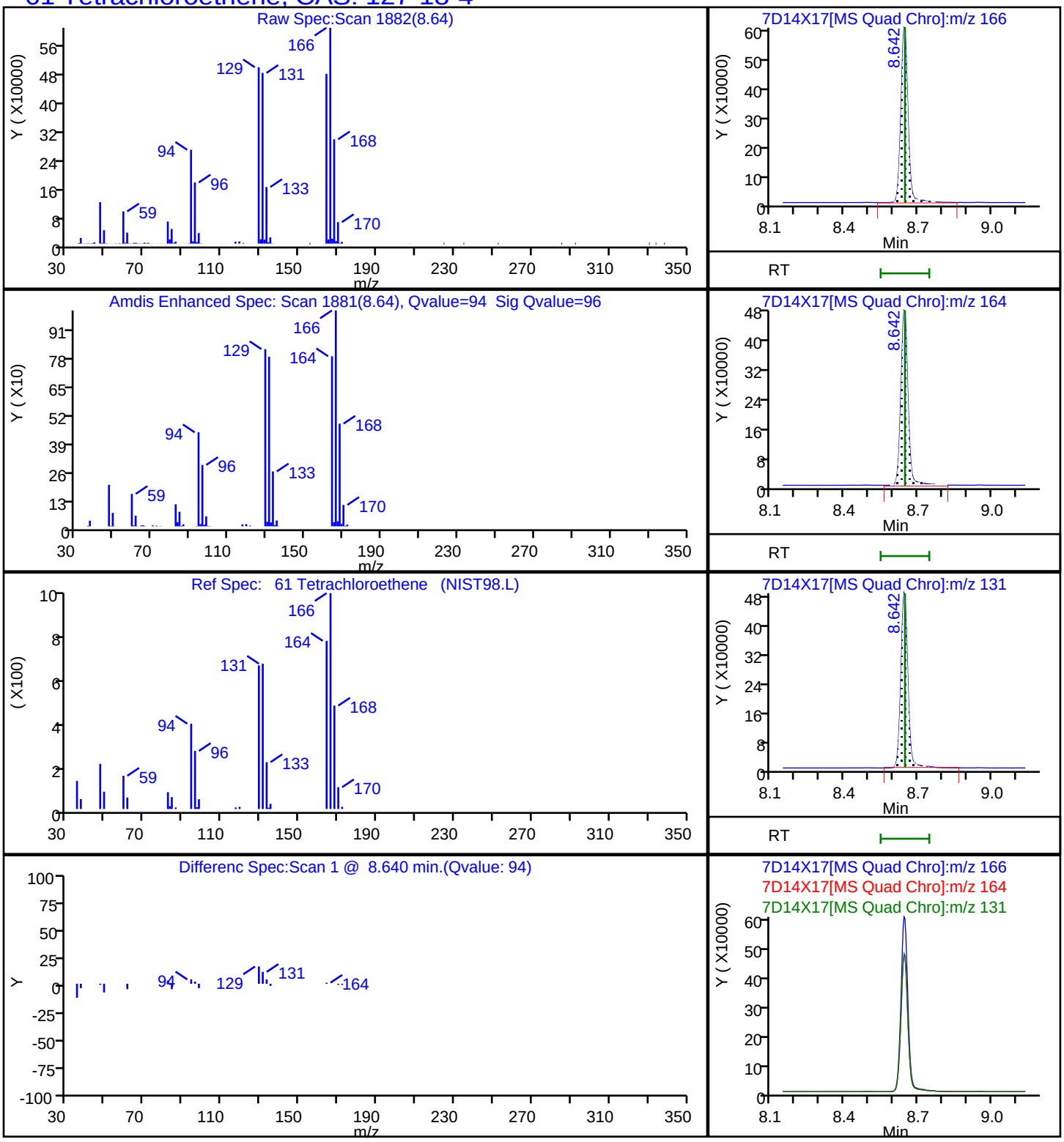


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Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

61 Tetrachloroethene, CAS: 127-18-4

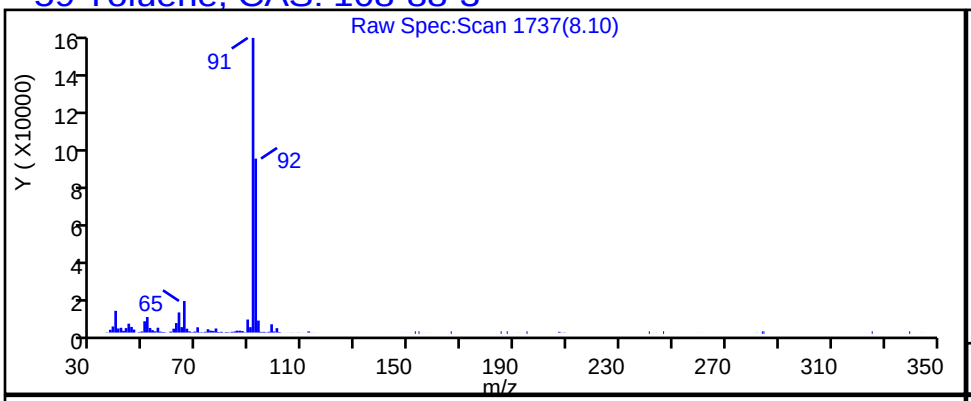


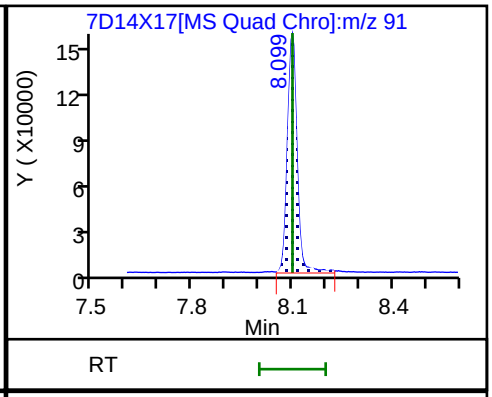
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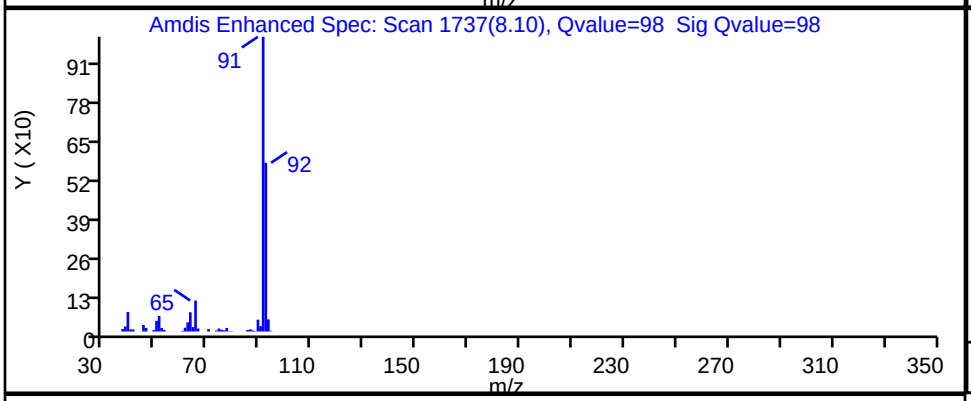
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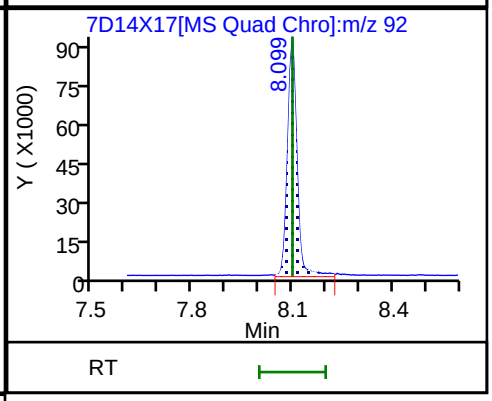
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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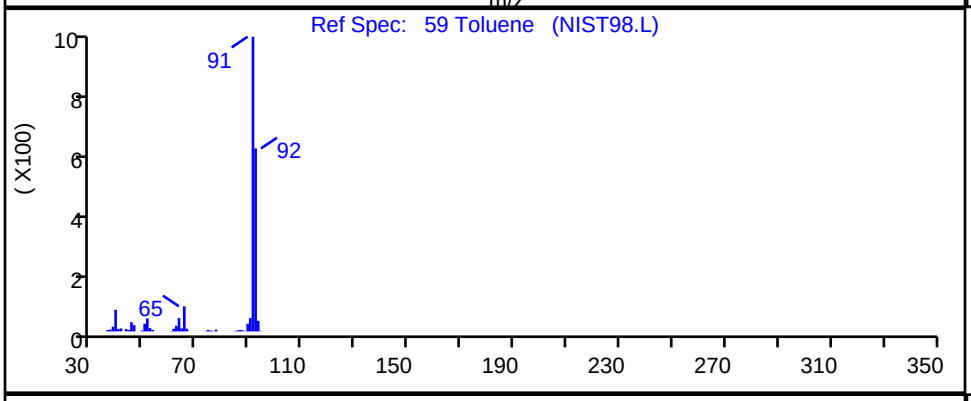
59 Toluene, CAS: 108-88-3

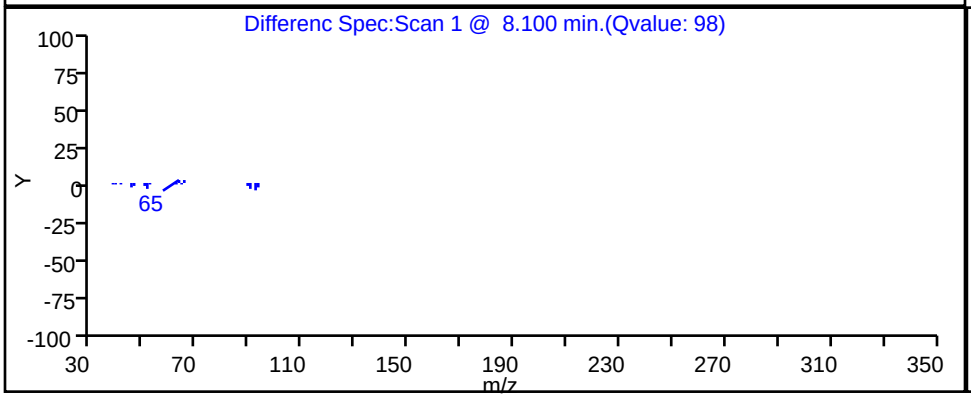


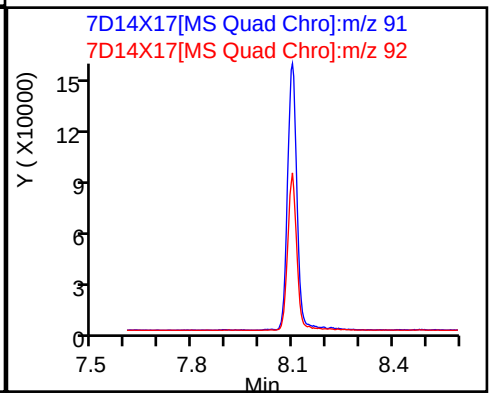








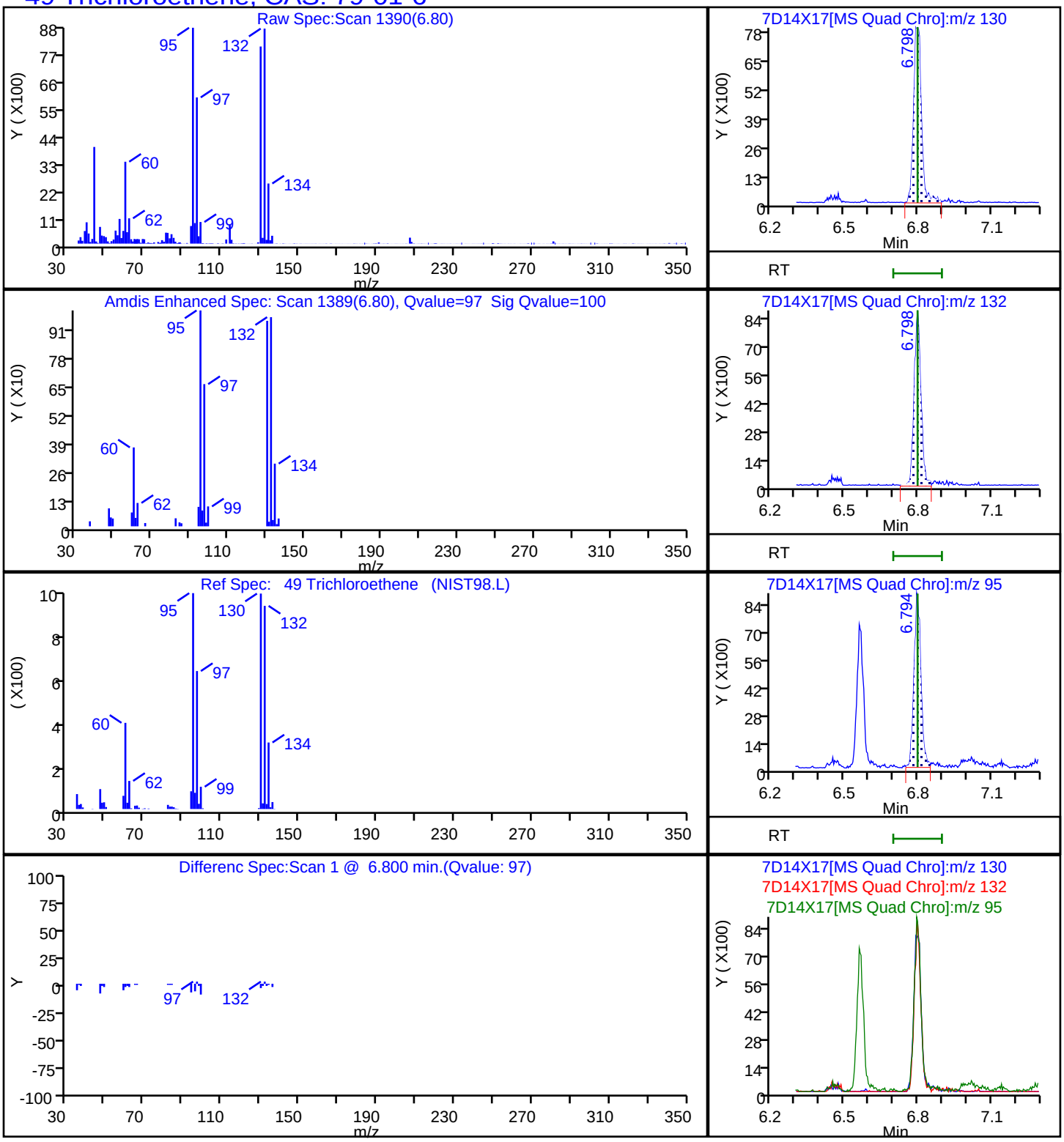




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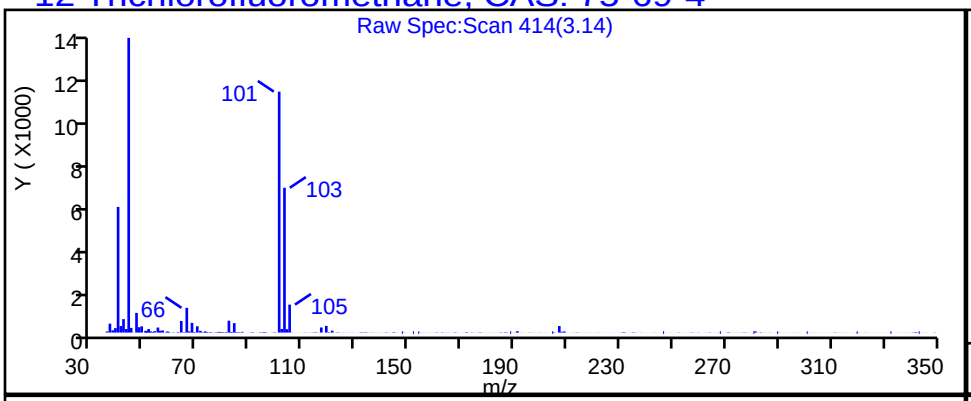
49 Trichloroethene, CAS: 79-01-6

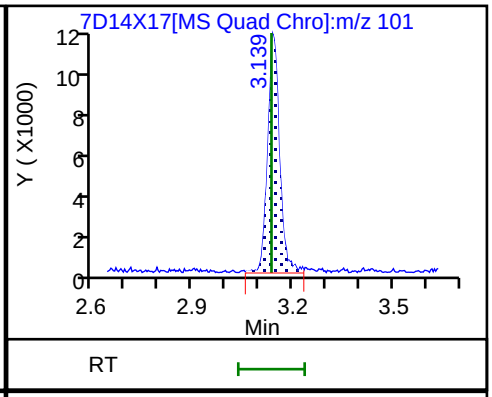


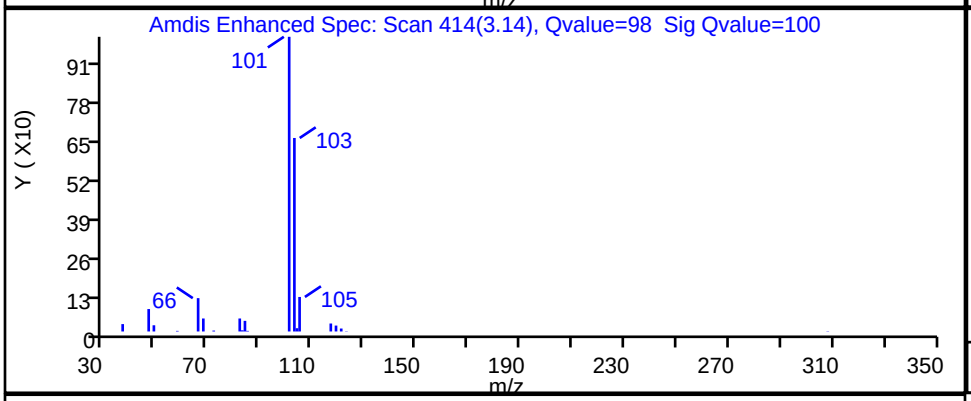
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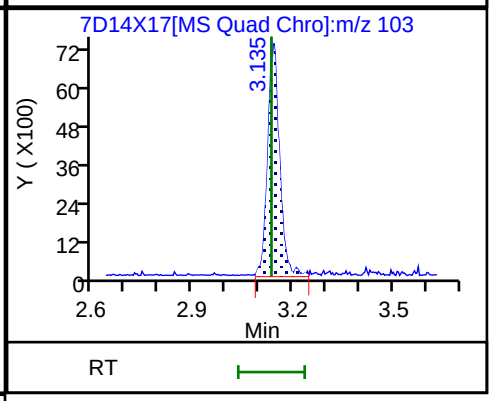
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

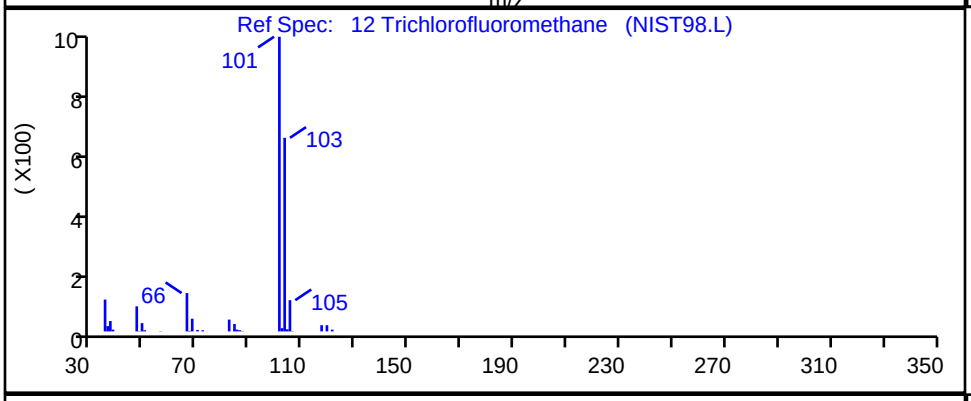
12 Trichlorofluoromethane, CAS: 75-69-4

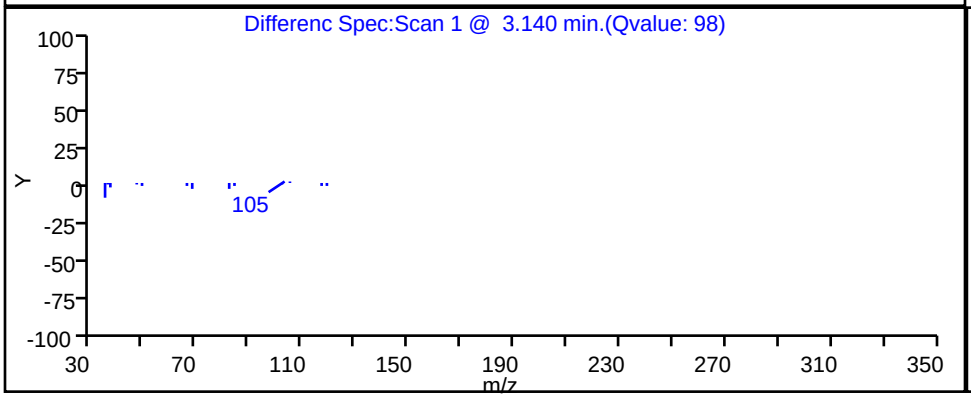


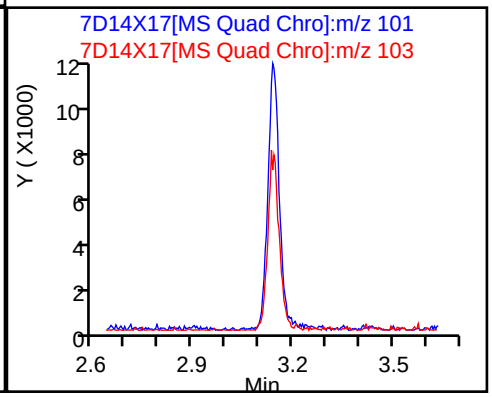












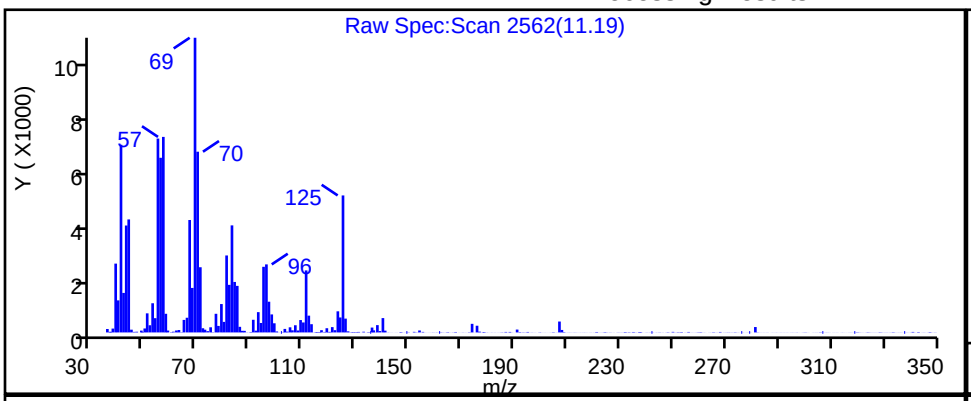
User Disabled Compound Report

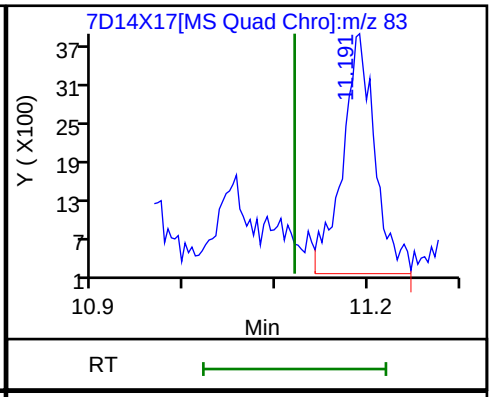
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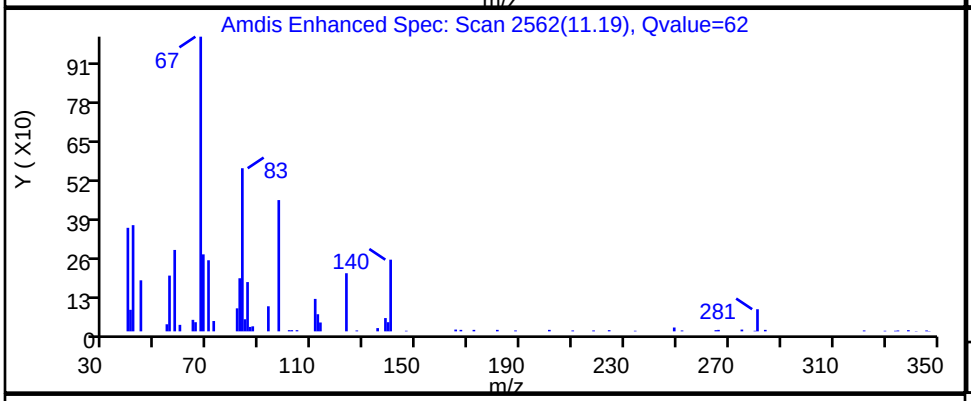
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Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

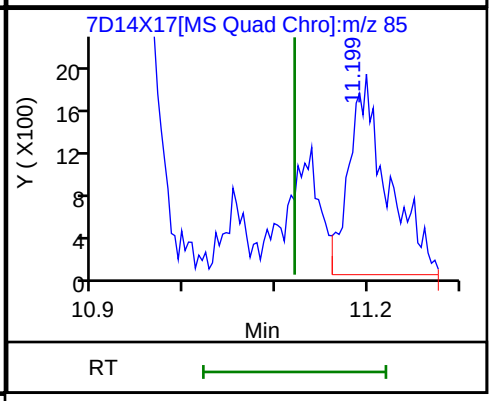
79 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

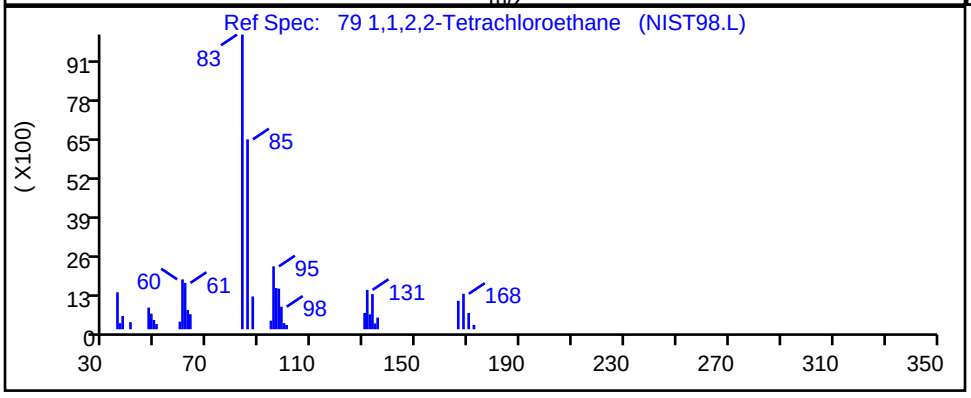
Processing Results











RT	Mass	Response	Amount
11.19	83.00	9143	0.274107
11.20	85.00	5357	

Reviewer: MLX9, 15-Dec-2023 08:26:03 -05:00:00 (UTC)

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

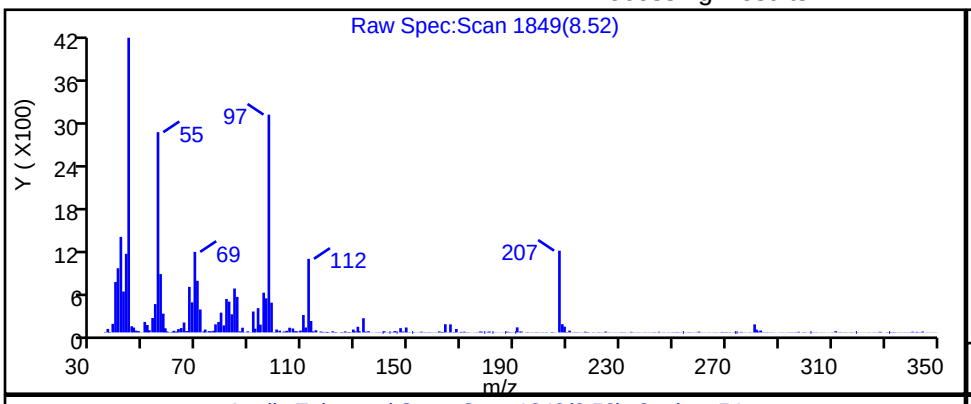
User Disabled Compound Report

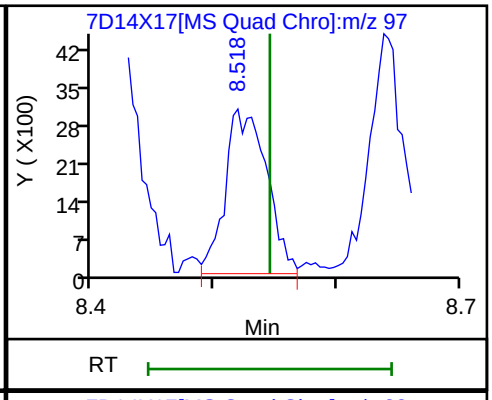
Eurofins Lancaster Laboratories Environment Testing, LLC

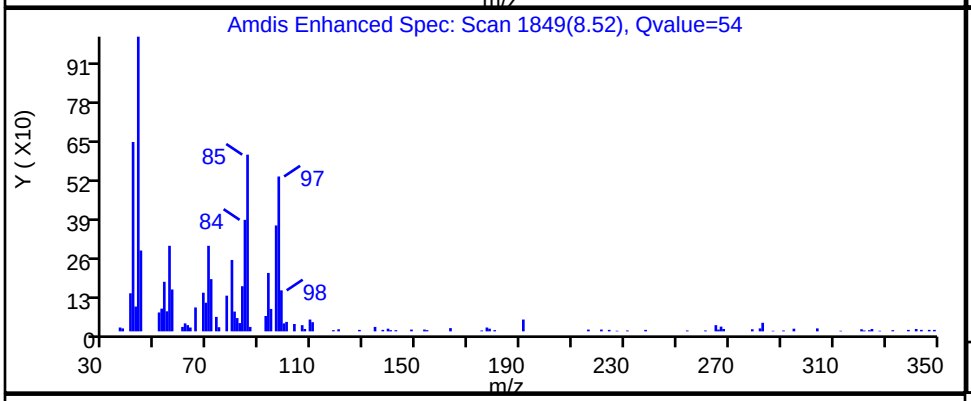
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Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

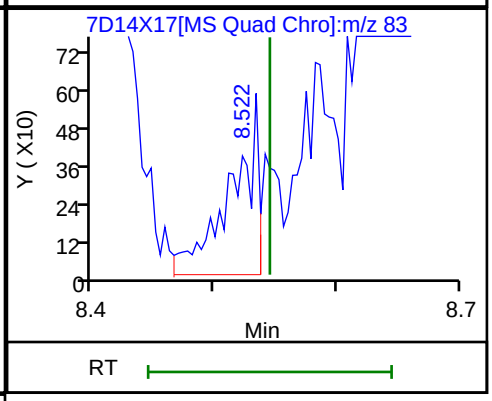
64 1,1,2-Trichloroethane, CAS: 79-00-5

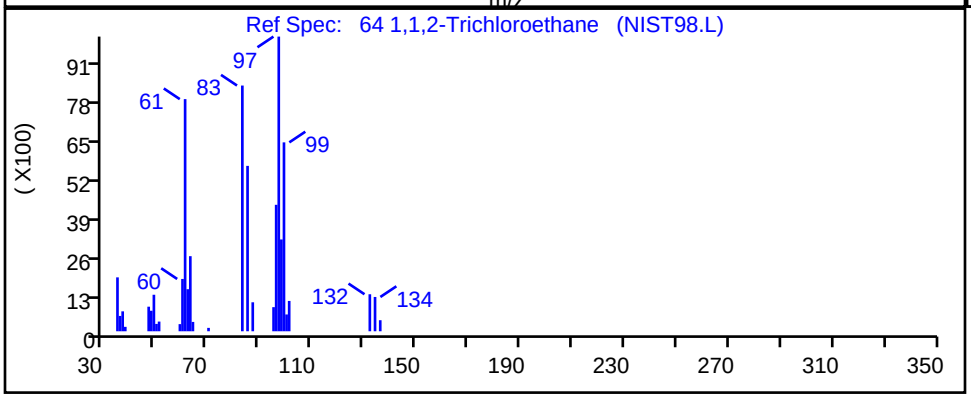
Processing Results











RT	Mass	Response	Amount
8.52	97.00	7153	0.426261
8.52	83.00	861	

Reviewer: MLX9, 15-Dec-2023 08:25:37 -05:00:00 (UTC)

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

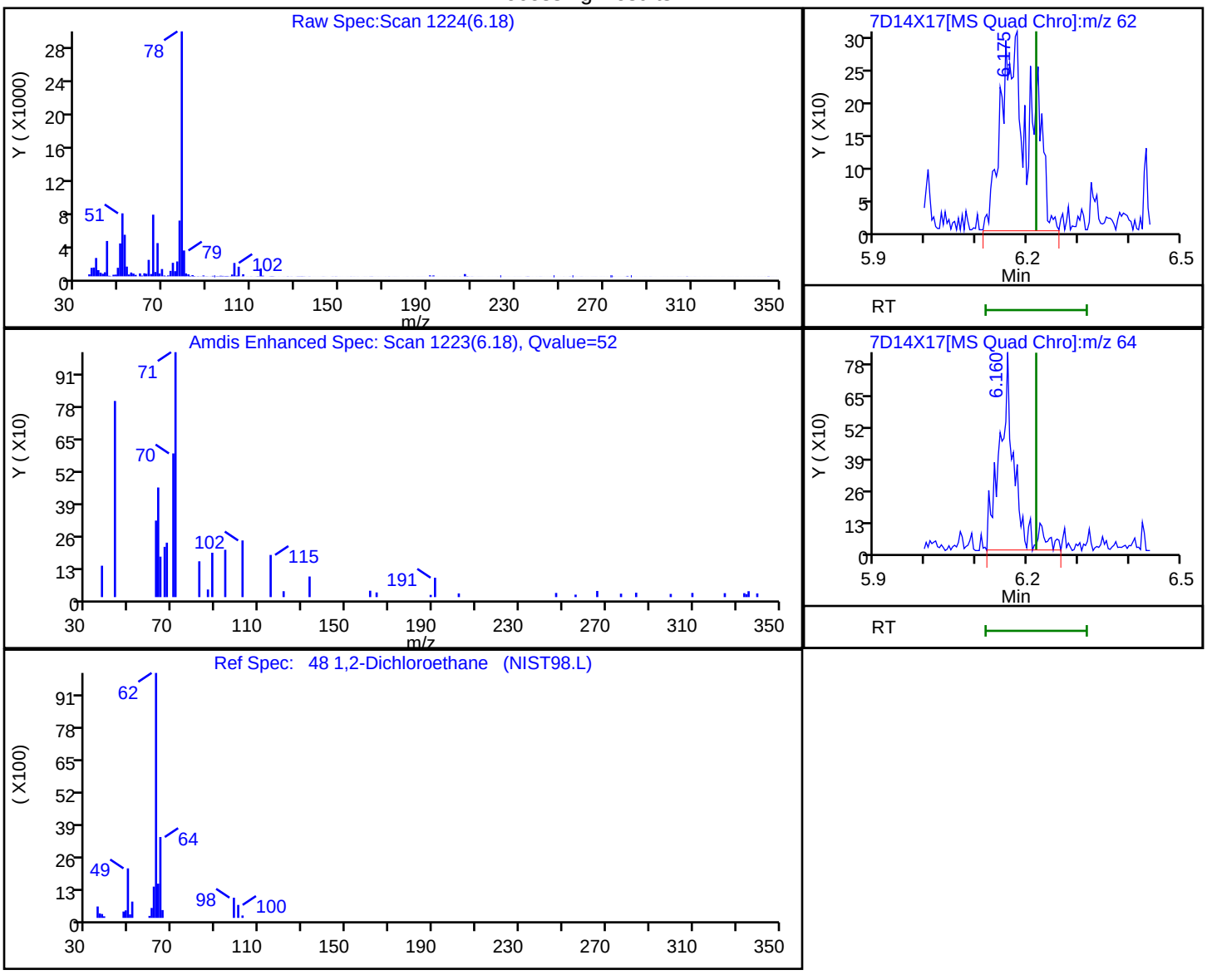
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

48 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
6.18	62.00	1213	0.072693
6.16	64.00	1701	

Reviewer: MLX9, 15-Dec-2023 08:25:17 -05:00:00 (UTC)

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

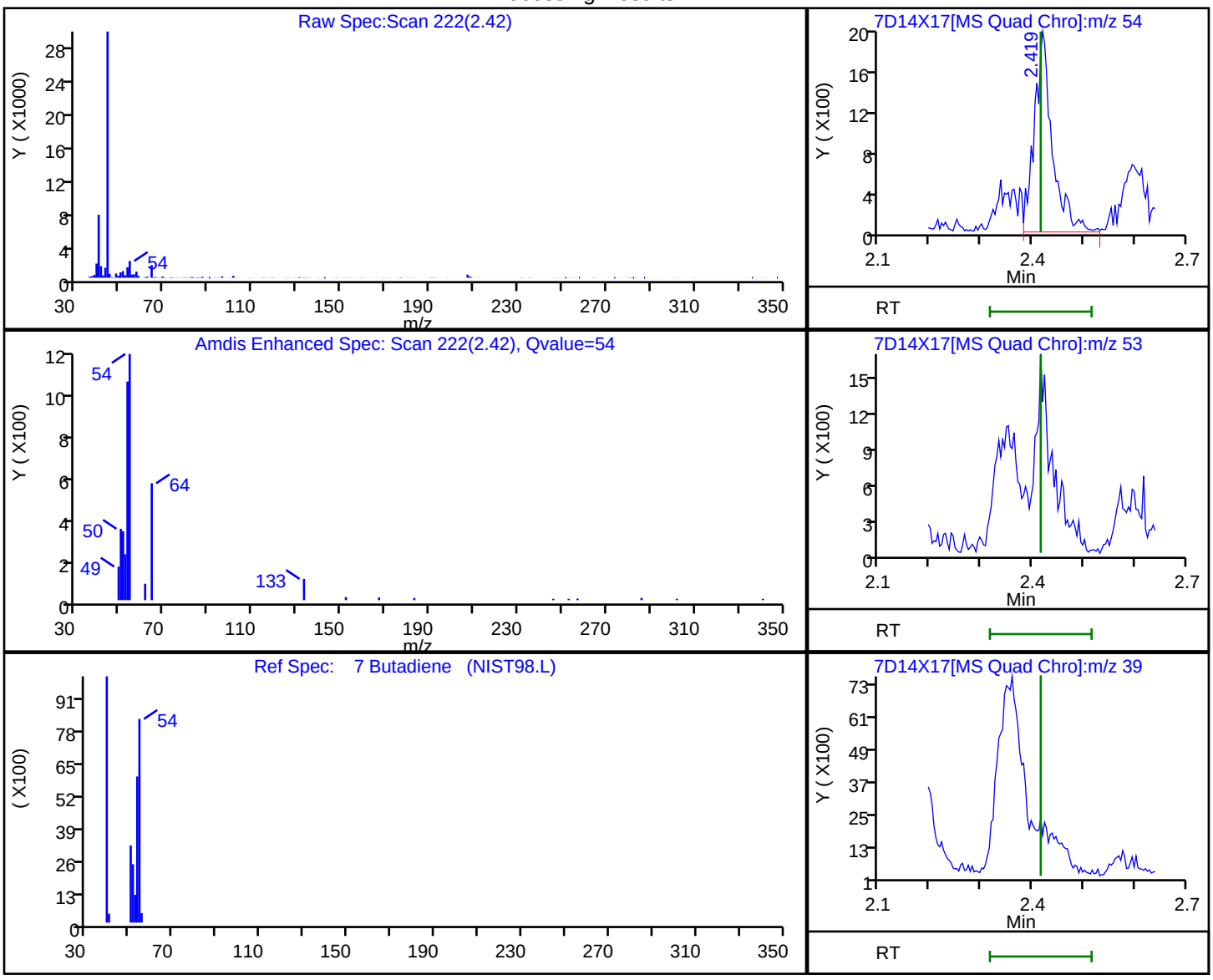
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
2.42	54.00	4790	0.772288
2.42	53.00	0	
2.42	39.00	0	

Reviewer: MLX9, 15-Dec-2023 08:21:46 -05:00:00 (UTC)

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

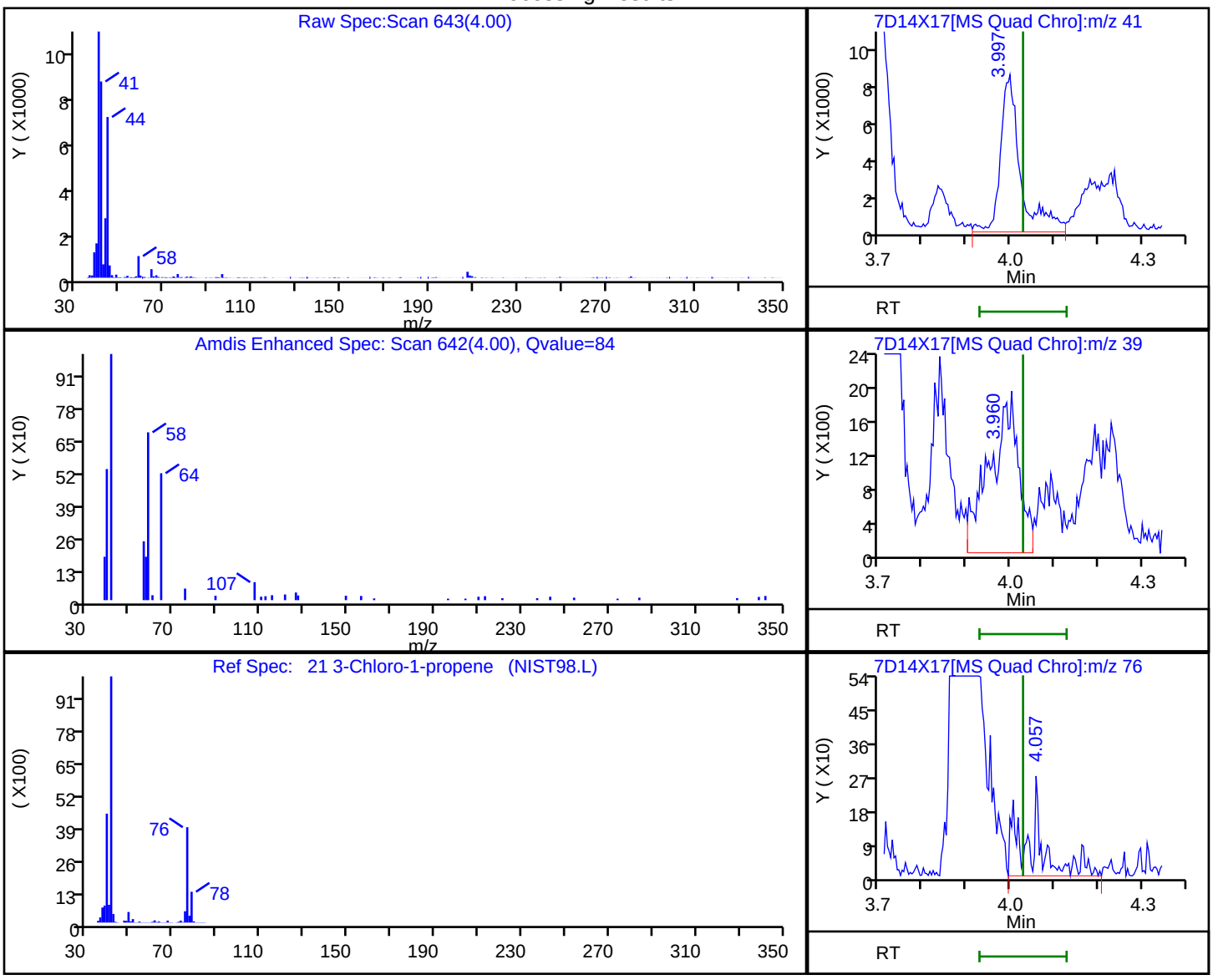
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
4.00	41.00	25605	2.304359
3.96	39.00	8559	
4.06	76.00	692	

Reviewer: MLX9, 15-Dec-2023 08:22:16 -05:00:00 (UTC)

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

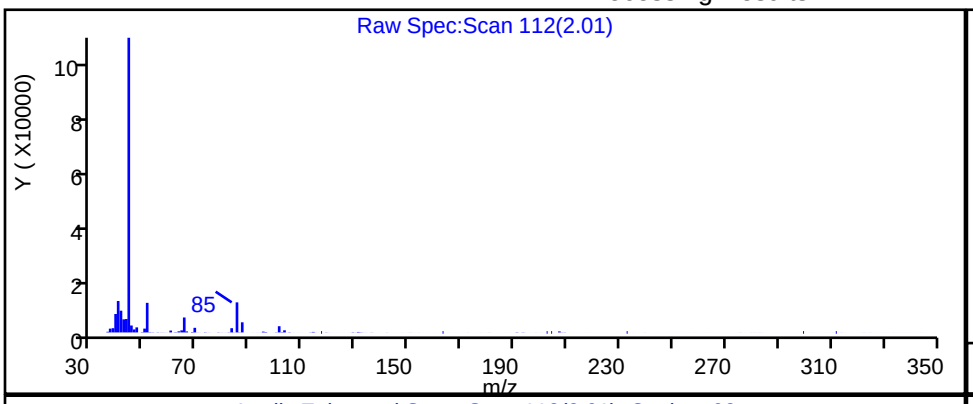
User Disabled Compound Report

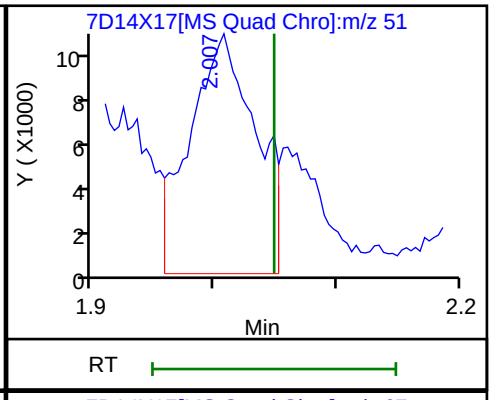
Eurofins Lancaster Laboratories Environment Testing, LLC

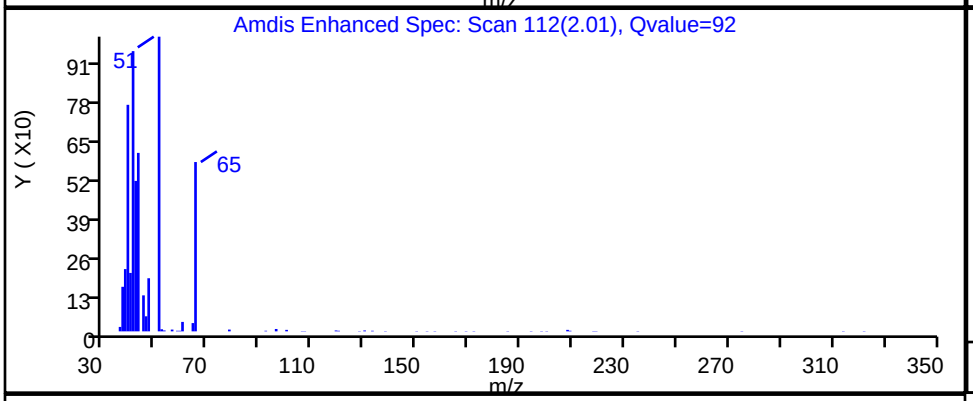
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

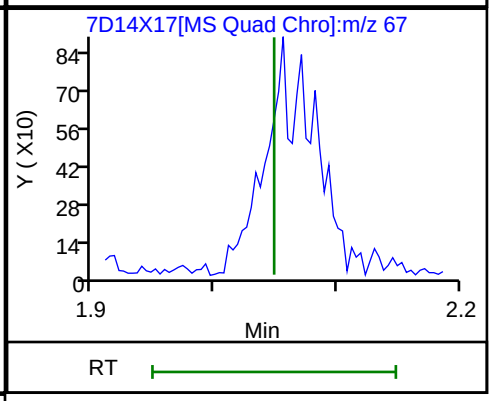
3 Chlorodifluoromethane, CAS: 75-45-6

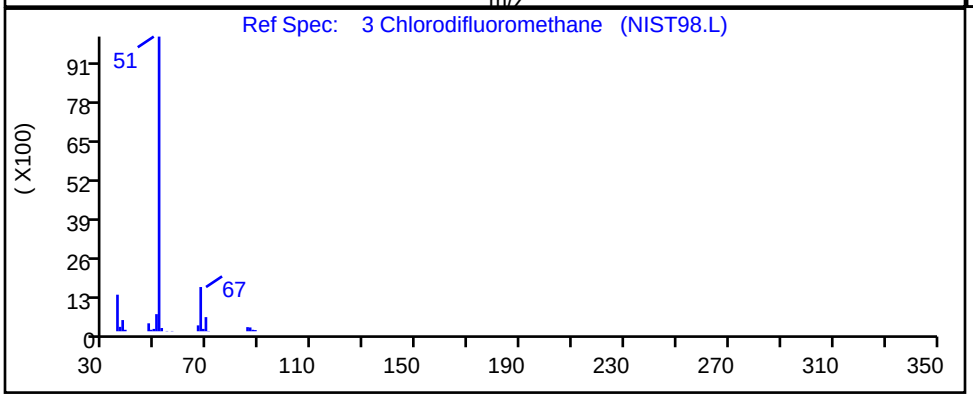
Processing Results











RT	Mass	Response	Amount
2.01	51.00	39110	2.653350
2.05	67.00	0	

Reviewer: MLX9, 15-Dec-2023 08:21:36 -05:00:00 (UTC)

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

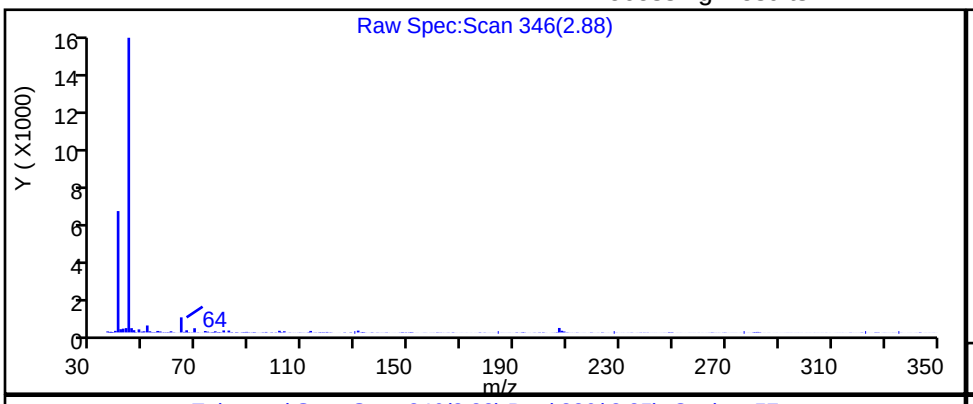
User Disabled Compound Report

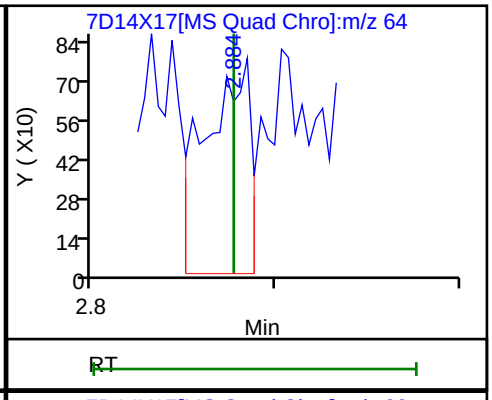
Eurofins Lancaster Laboratories Environment Testing, LLC

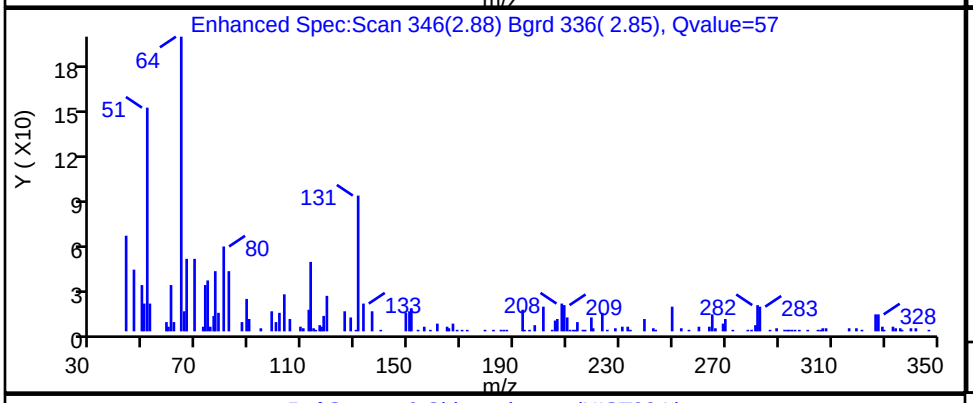
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Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

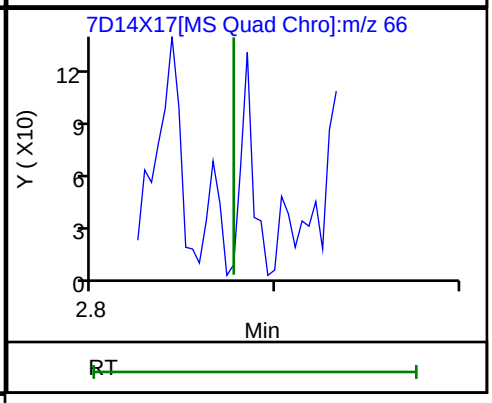
9 Chloroethane, CAS: 75-00-3

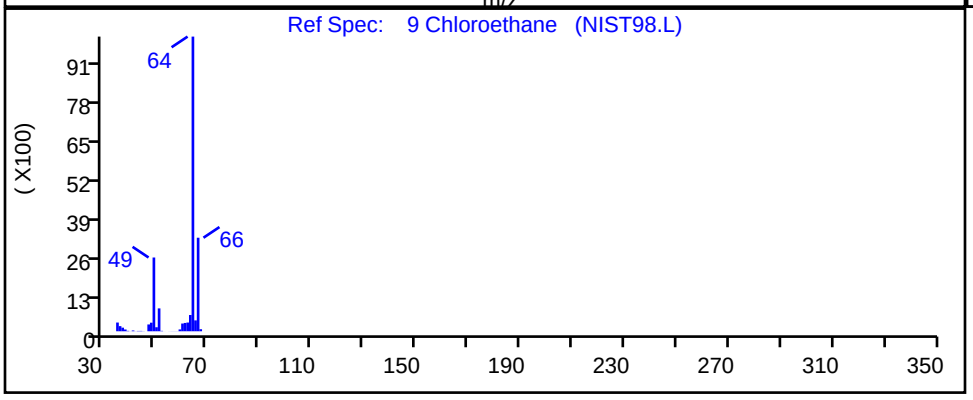
Processing Results











RT	Mass	Response	Amount
2.88	64.00	1270	0.213291
2.88	66.00	0	

Reviewer: MLX9, 15-Dec-2023 08:21:48 -05:00:00 (UTC)

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

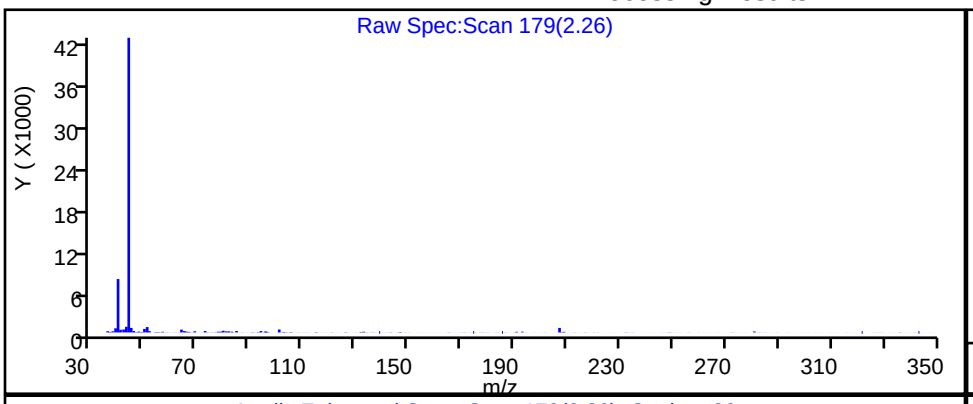
User Disabled Compound Report

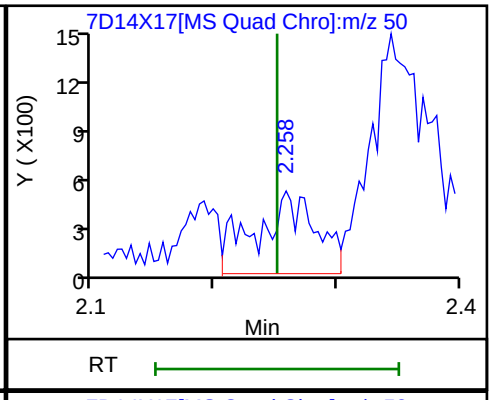
Eurofins Lancaster Laboratories Environment Testing, LLC

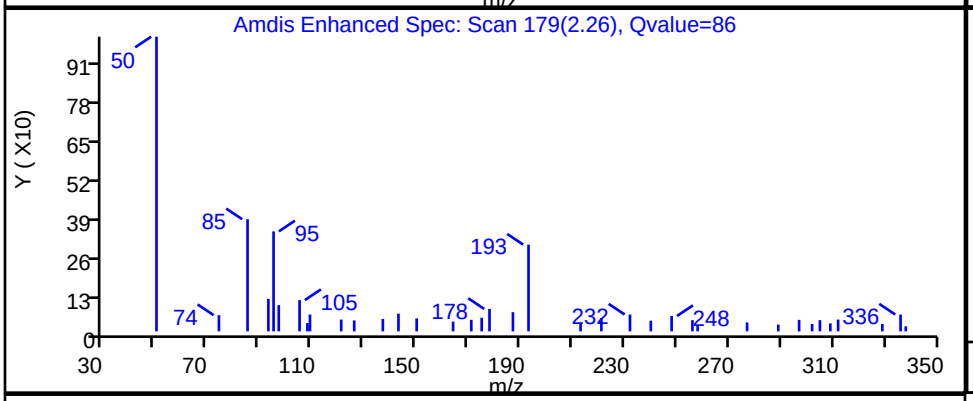
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

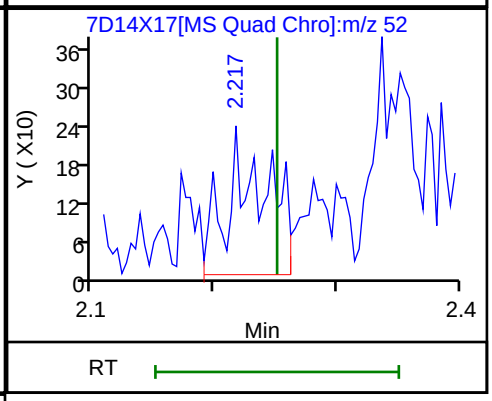
5 Chloromethane, CAS: 74-87-3

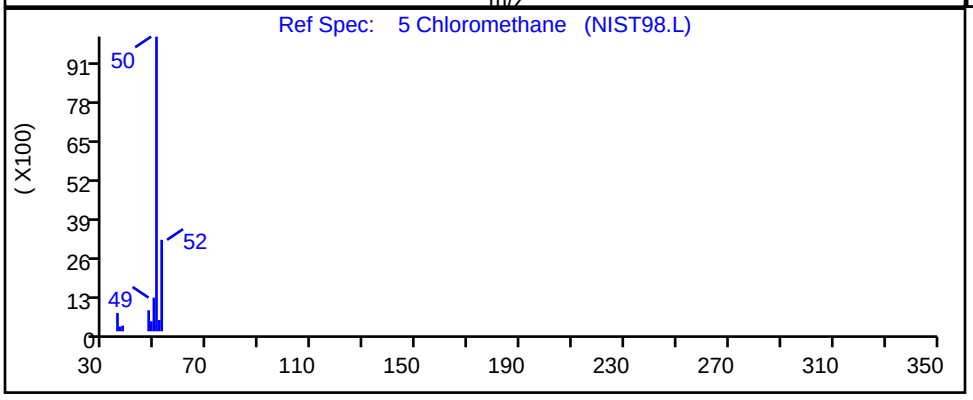
Processing Results











RT	Mass	Response	Amount
2.26	50.00	1675	0.190377
2.22	52.00	520	

Reviewer: MLX9, 15-Dec-2023 08:21:40 -05:00:00 (UTC)

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

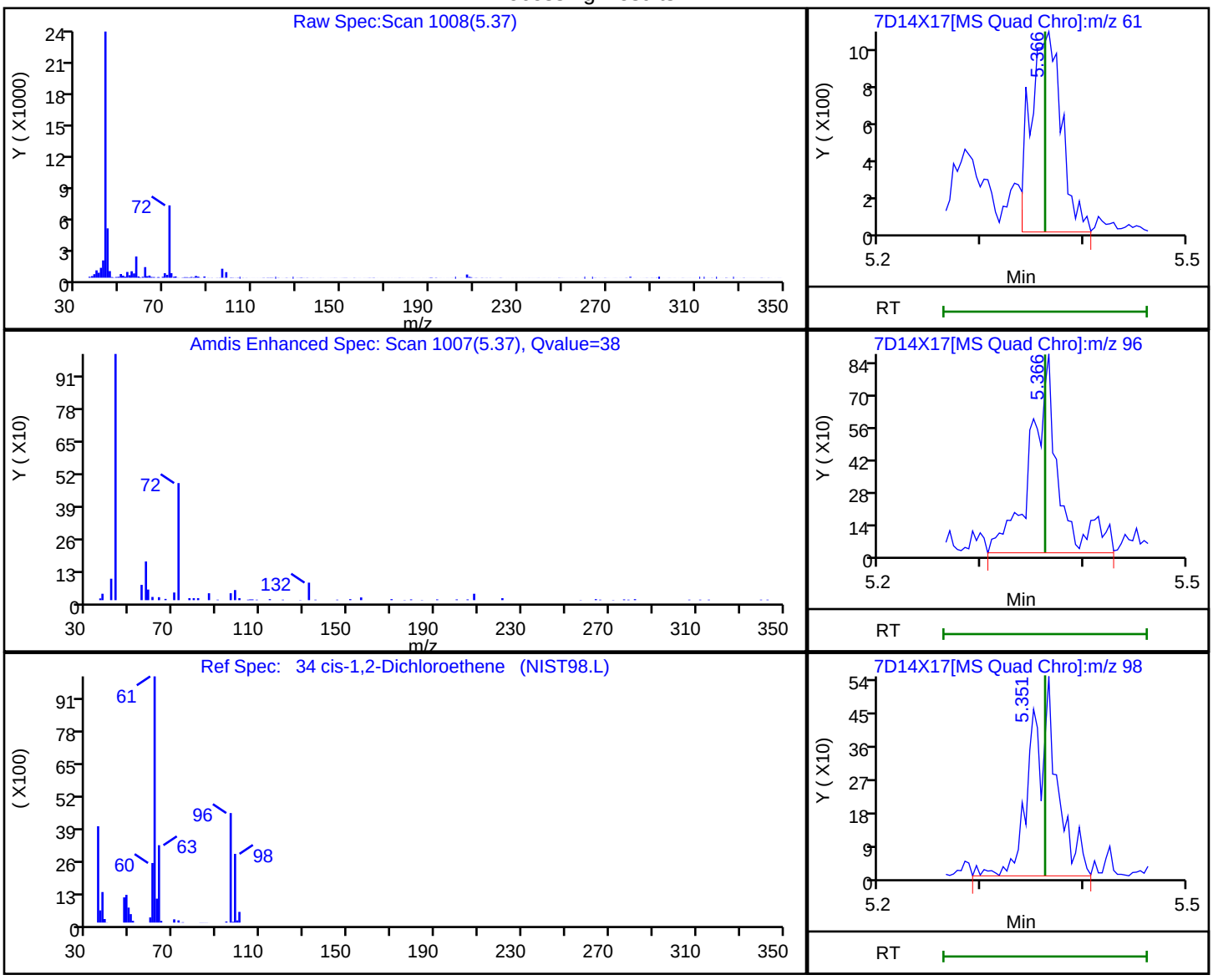
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

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

Processing Results



RT	Mass	Response	Amount
5.37	61.00	2131	0.122174
5.37	96.00	1688	
5.35	98.00	968	

Reviewer: MLX9, 15-Dec-2023 08:24:57 -05:00:00 (UTC)

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

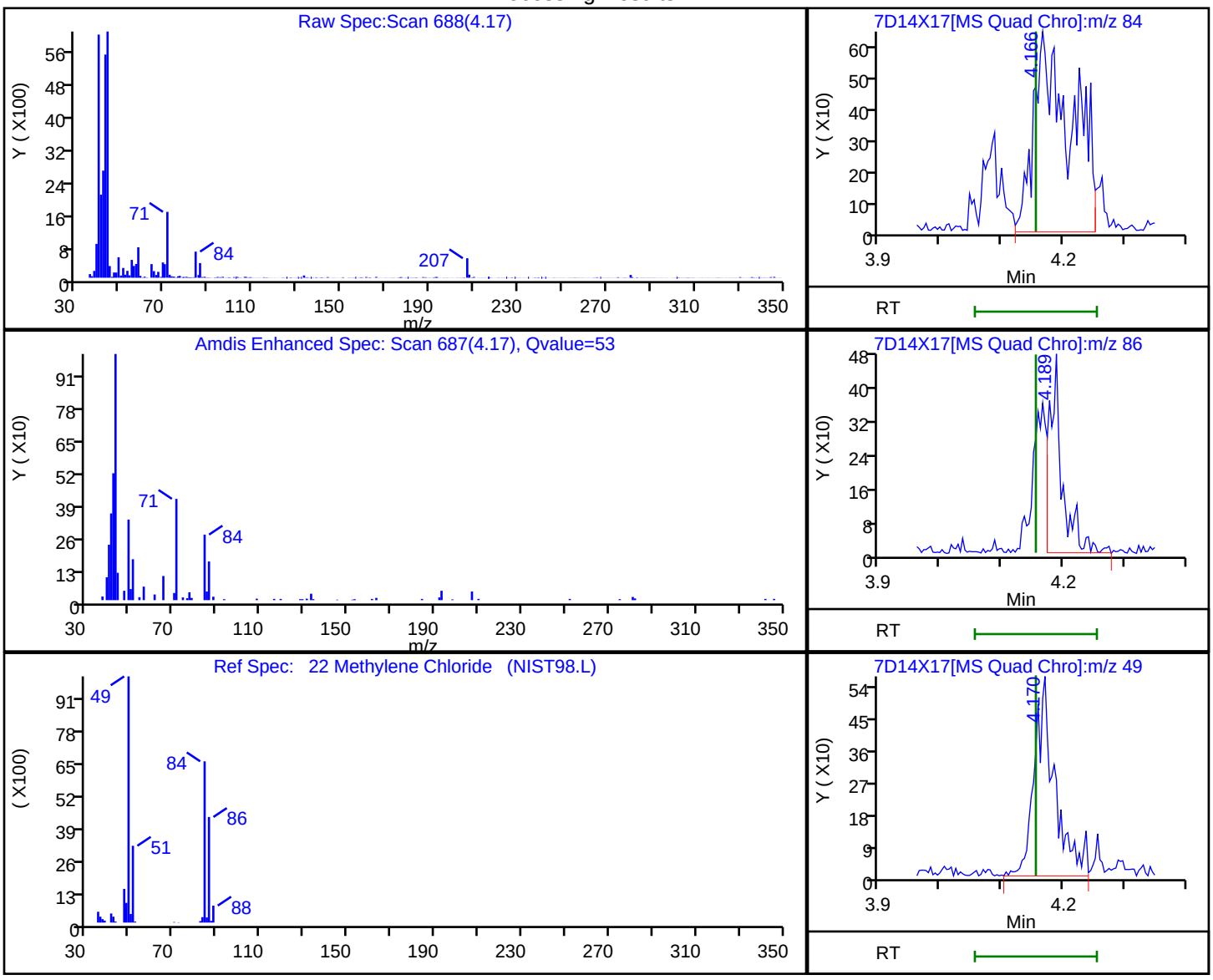
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

22 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
4.17	84.00	2703	0.272008
4.19	86.00	658	
4.17	49.00	1322	

Reviewer: MLX9, 15-Dec-2023 08:22:21 -05:00:00 (UTC)

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

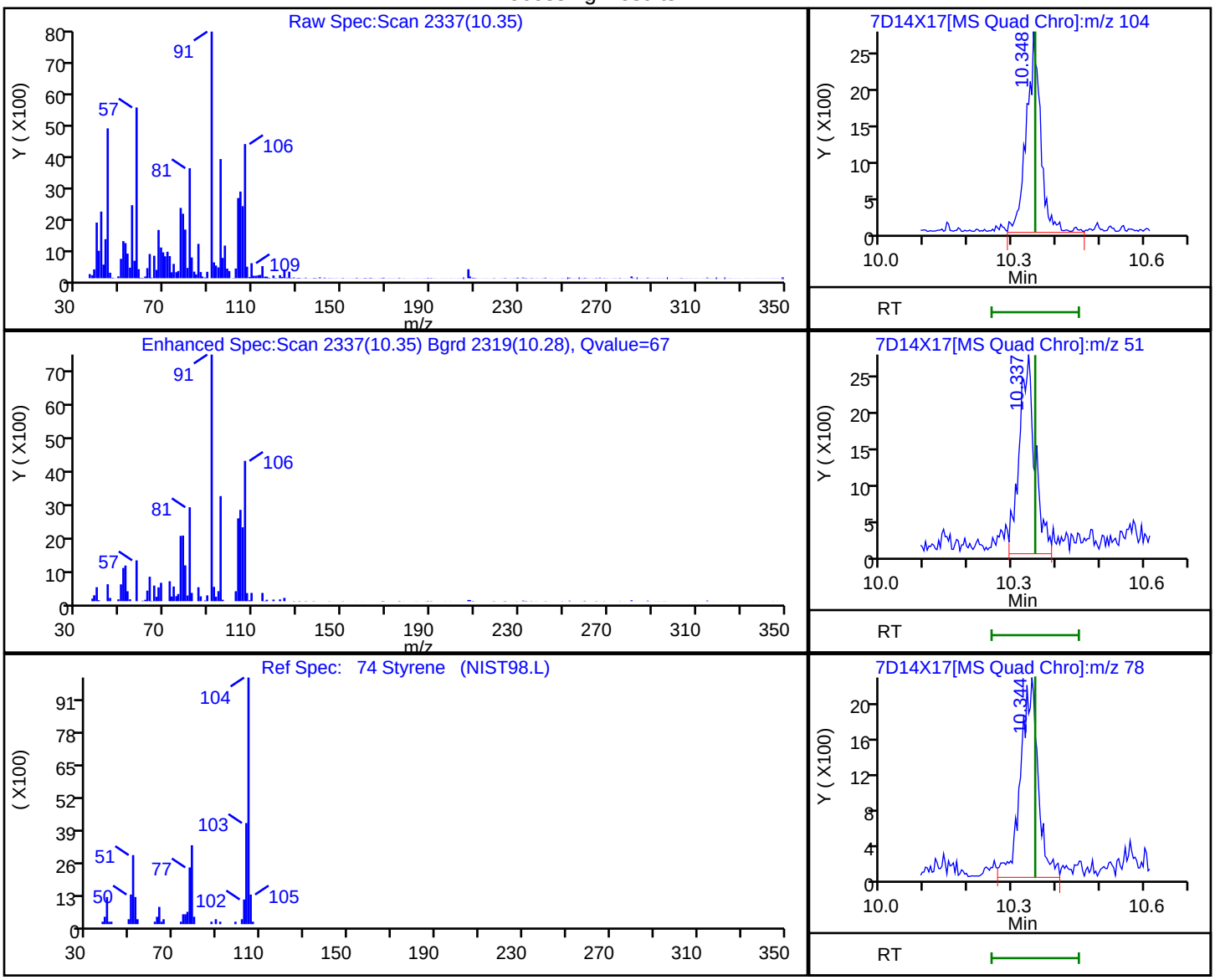
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

74 Styrene, CAS: 100-42-5

Processing Results



RT	Mass	Response	Amount
10.35	104.00	6167	0.246624
10.34	51.00	6854	
10.34	78.00	6306	
10.33	103.00	6074	
10.33	106.00	23575	

Reviewer: MLX9, 15-Dec-2023 08:25:55 -05:00:00 (UTC)

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

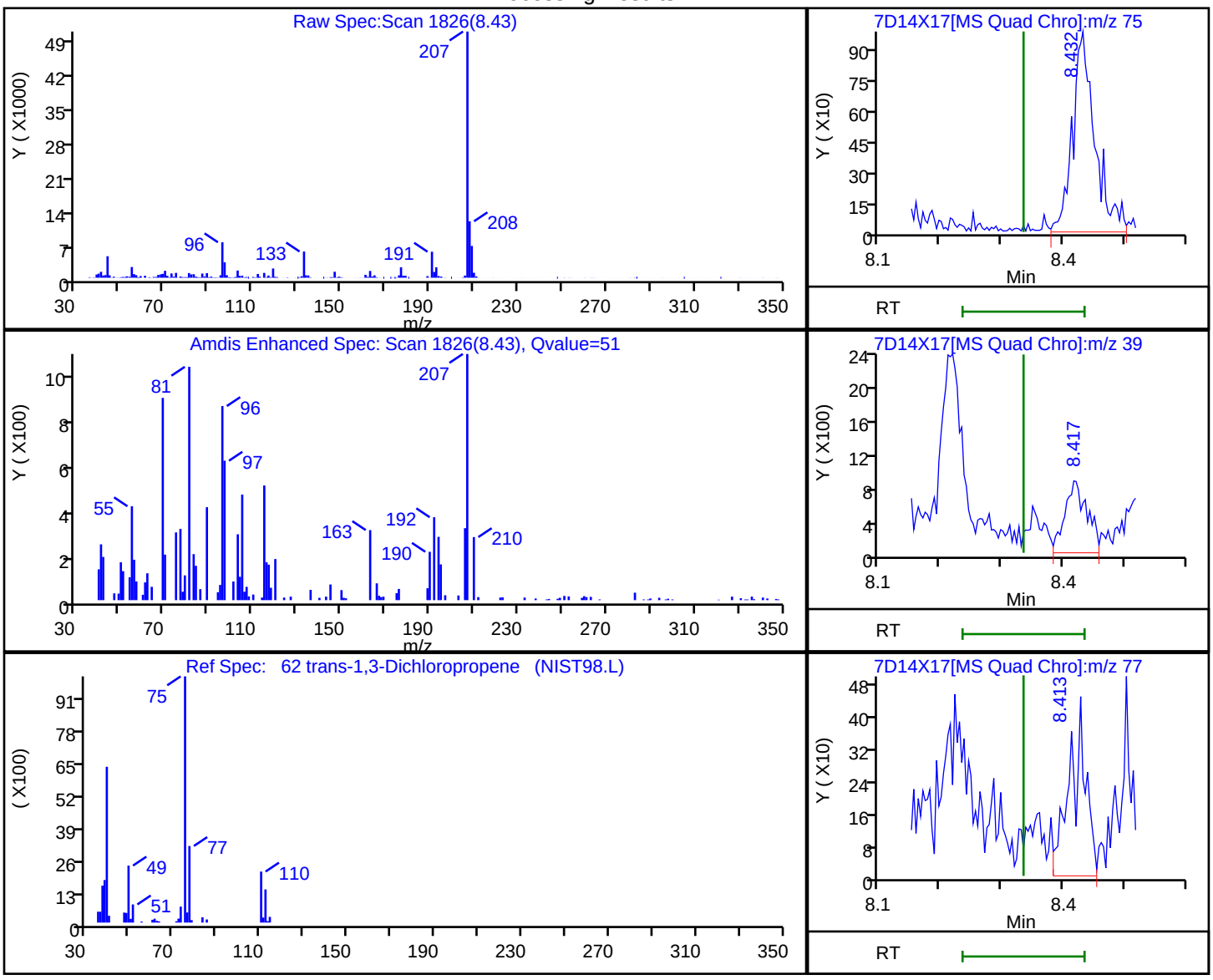
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

62 trans-1,3-Dichloropropene, CAS: 10061-02-6

Processing Results



RT	Mass	Response	Amount
8.43	75.00	2470	0.150073
8.42	39.00	2116	
8.41	77.00	798	

Reviewer: MLX9, 15-Dec-2023 08:25:35 -05:00:00 (UTC)

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

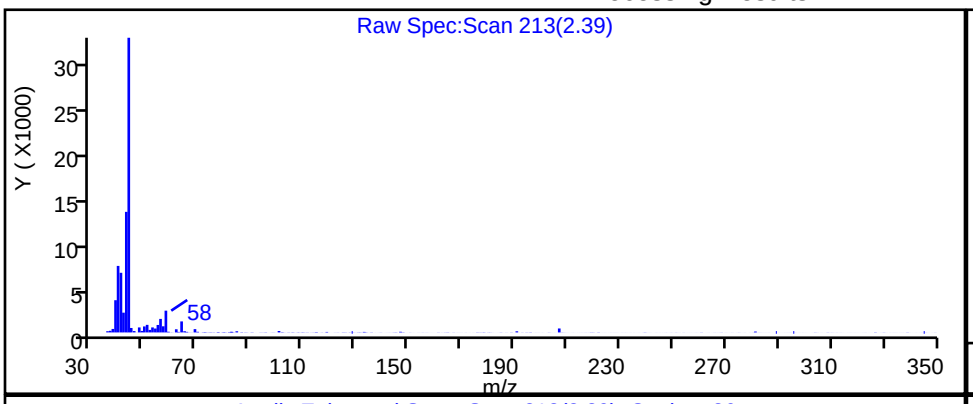
User Disabled Compound Report

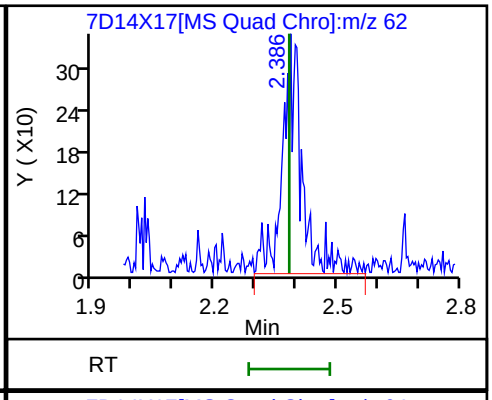
Eurofins Lancaster Laboratories Environment Testing, LLC

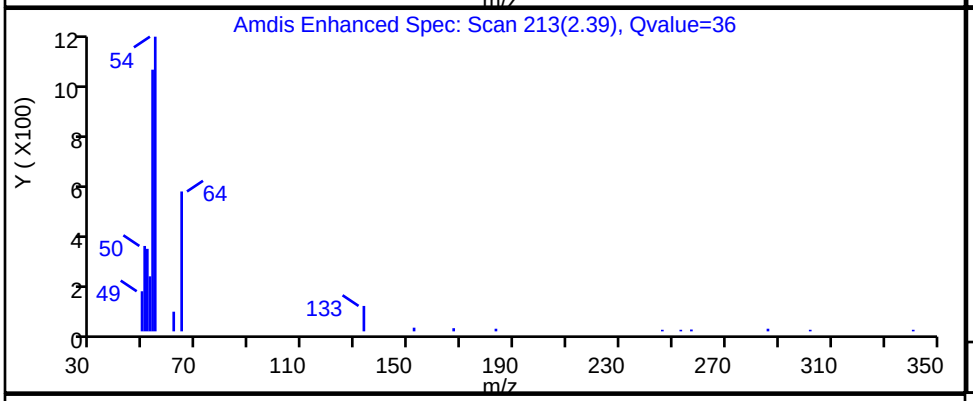
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X17.D				
Injection Date:	14-Dec-2023 14:46:08	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

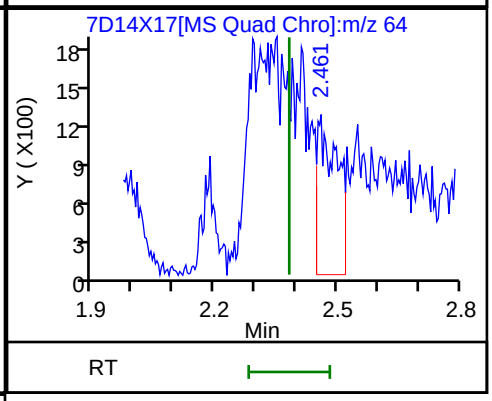
6 Vinyl chloride, CAS: 75-01-4

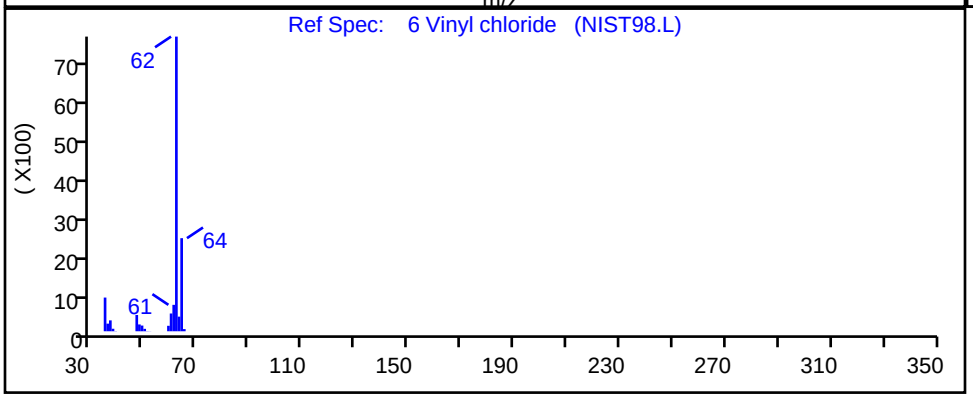
Processing Results











RT	Mass	Response	Amount
2.39	62.00	1109	0.115788
2.46	64.00	4071	

Reviewer: MLX9, 15-Dec-2023 08:21:43 -05:00:00 (UTC)

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Client Sample ID: SV-1-20231212 DL Lab Sample ID: 410-154614-1 DL

Matrix: Air Lab File ID: 7D15X09.D

Analysis Method: TO-15 Date Collected: 12/12/2023 16:36

Sample wt/vol: 200(mL) Date Analyzed: 12/15/2023 10:45

Soil Aliquot Vol: Dilution Factor: 2

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 454438 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	160		24	4.8

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X09.D
Lims ID: 410-154614-A-1 DL
Client ID: SV-1-20231212
Sample Type: Client
Inject. Date: 15-Dec-2023 10:45:15 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 2.0000
Sample Info: 154614-1
Misc. Info.: 410-0102007-009
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 18-Dec-2023 08:58:14 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: MLX9 Date: 15-Dec-2023 12:19:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.026	2.019	0.012	98	29528	1.12	
12 Trichlorofluoromethane	101	3.143	3.138	0.012	93	13979	0.4837	
23 Acetone	43	3.705	3.698	0.007	100	493057	34.3	
17 Carbon disulfide	76	3.889	3.889	0.008	97	6982	0.2471	
25 Hexane	56	4.676	4.668	0.008	91	4395	0.5508	
43 2-Butanone (MEK)	72	5.344	5.343	0.012	98	31441	6.52	
* 35 Chlorobromomethane (IS)	130	5.587	5.576	0.011	90	121257	10.0	
37 Chloroform	83	5.673	5.681	0.007	93	18308	0.7334	
42 1,1,1-Trichloroethane	97	5.846	5.850	0.012	98	27252	1.14	
46 Benzene	78	6.179	6.179	0.015	94	32350	0.9133	
44 Isooctane	57	6.288	6.277	0.011	95	10552	0.2495	
45 n-Heptane	71	6.434	6.434	0.011	87	5904	0.5787	
* 50 1,4-Difluorobenzene	114	6.566	6.554	0.012	94	453573	10.0	
49 Trichloroethene	130	6.802	6.802	0.012	98	7988	0.5151	
60 4-Methyl-2-pentanone (MIBK)	43	7.889	7.899	0.008	93	5304	0.2693	
59 Toluene	91	8.103	8.091	0.012	98	142769	3.26	
58 n-Octane	43	8.219	8.214	0.012	88	8679	0.3859	
64 1,1,2-Trichloroethane	97	8.522	8.551	-0.019	54	3575	0.2260	
61 Tetrachloroethene	166	8.646	8.638	0.008	94	597746	28.3	
67 2-Hexanone	43	8.770	8.769	0.012	97	5796	0.3196	
* 68 Chlorobenzene-d5 (IS)	117	9.606	9.594	0.012	85	475159	10.0	
70 Ethylbenzene	91	9.744	9.733	0.011	97	25374	0.5147	
72 m-Xylene & p-Xylene	91	9.883	9.894	0.004	98	72506	2.00	
73 o-Xylene	91	10.333	10.334	0.012	96	22767	0.6564	
76 Isopropylbenzene	105	10.757	10.754	0.012	64	6809	0.1477	
80 4-Ethyltoluene	105	11.386	11.375	0.011	98	7505	0.1558	
82 1,3,5-Trimethylbenzene	105	11.454	11.442	0.012	94	8348	0.2067	
86 1,2,4-Trimethylbenzene	105	11.859	11.860	0.008	96	21246	0.5735	

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00260	Amount Added:	10.00	Units: mL	Run Reagent

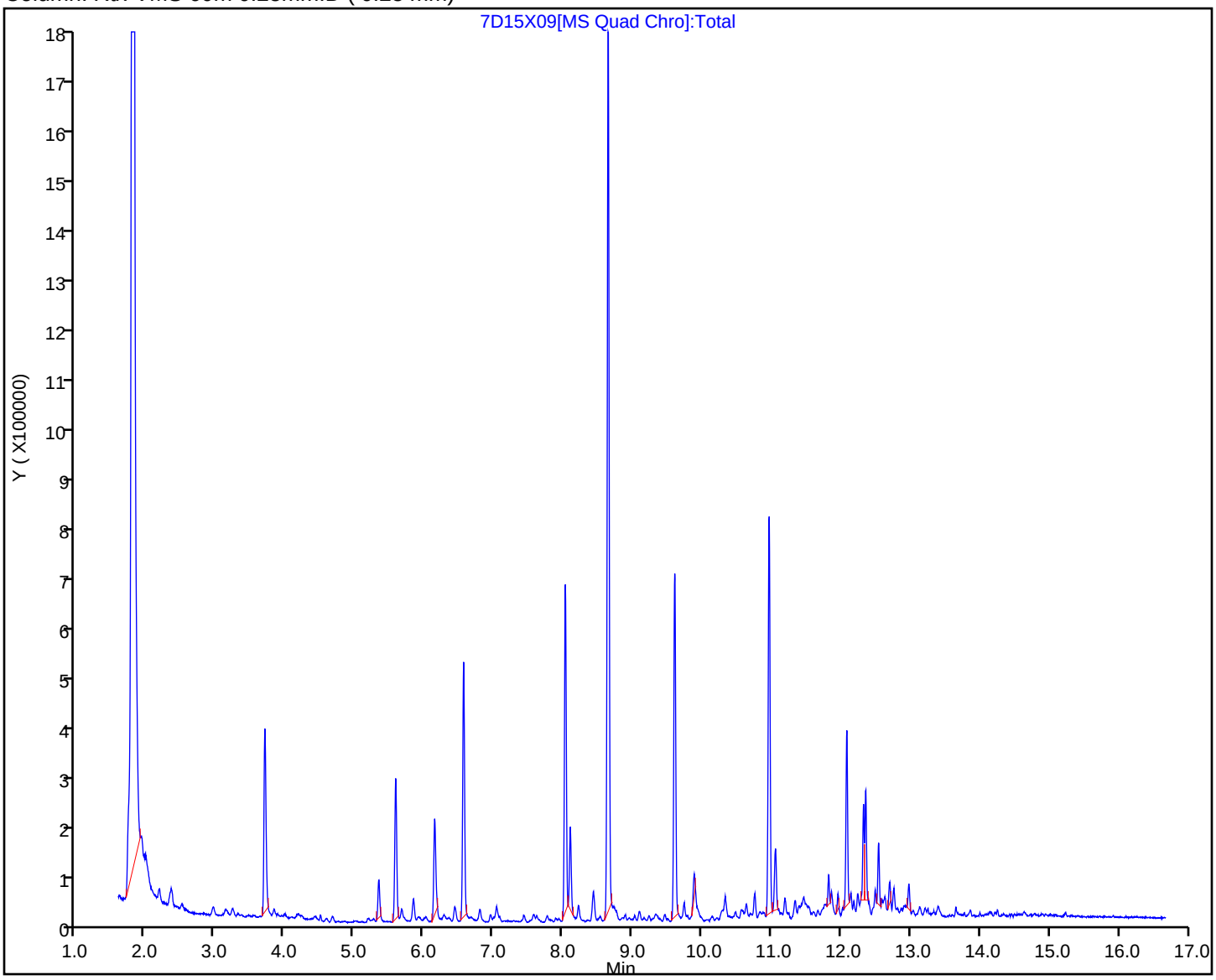
Report Date: 18-Dec-2023 08:58:27 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X09.D

Injection Date:	15-Dec-2023 10:45:15	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1 DL	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X09.D				
Lims ID:	410-154614-A-1 DL				
Client ID:	SV-1-20231212				
Sample Type:	Client				
Inject. Date:	15-Dec-2023 10:45:15	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Sample Info:	154614-1				
Misc. Info.:	410-0102007-009				
Operator ID:	bcb85445	Instrument ID:	HP8R004		
Method:	\\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m				
Limit Group:	MSV - TO15				
Last Update:	18-Dec-2023 08:58:14	Calib Date:	19-Oct-2023 17:54:23		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D				
Column 1 :	Rtx-VMS 60m 0.25mmID (0.25 mm)		Det: MS Quad		
Process Host:	CTX1615				
First Level Reviewer: MLX9		Date:	15-Dec-2023 12:19:45		

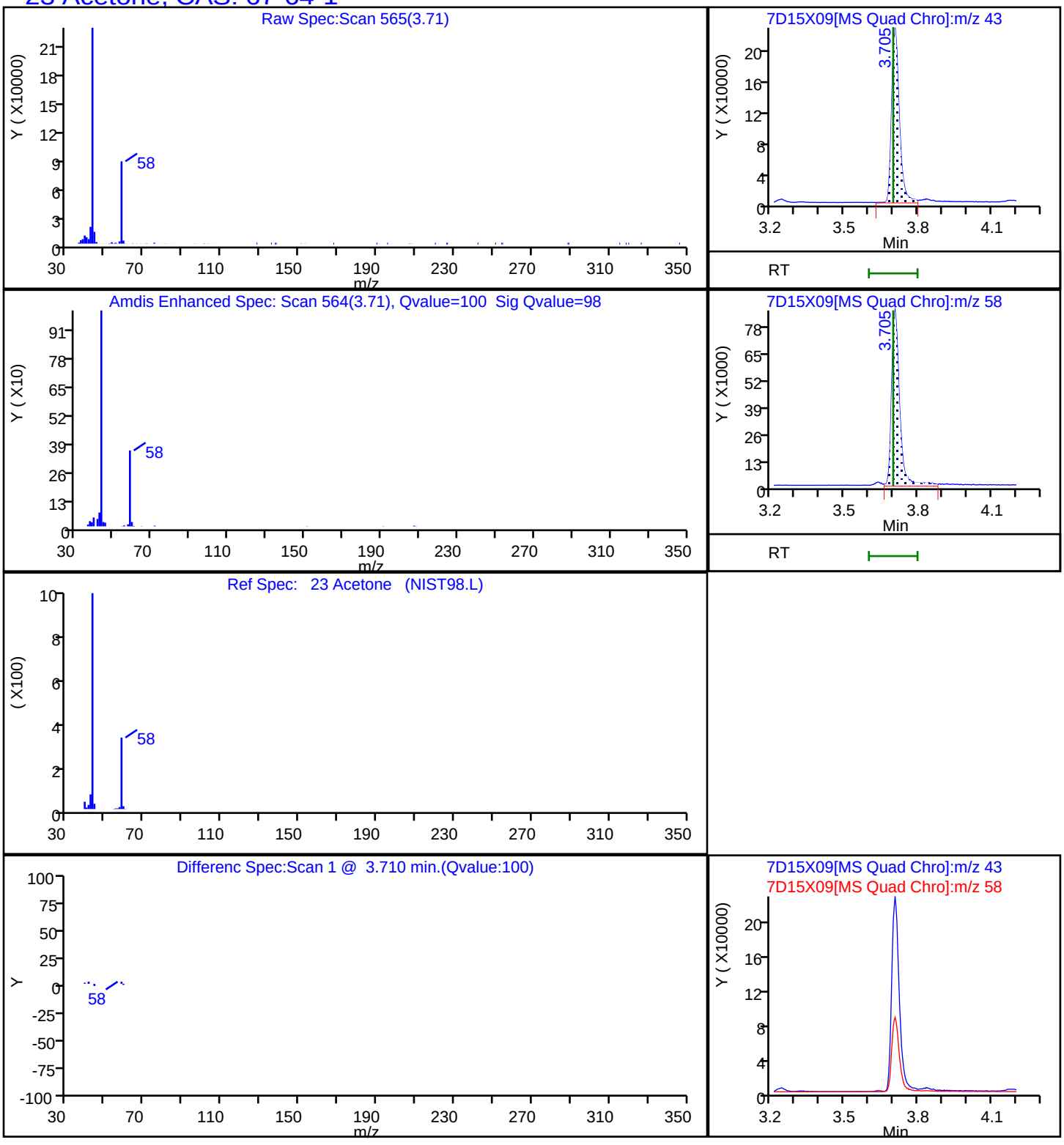
Compound	Amount Added	Amount Recovered	% Rec.

Report Date: 18-Dec-2023 08:58:28 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X09.D				
Injection Date:	15-Dec-2023 10:45:15	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-1 DL	Lab Sample ID:	410-154614-1		
Client ID:	SV-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	2.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

23 Acetone, CAS: 67-64-1



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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Client Sample ID: AA-1-20231212 Lab Sample ID: 410-154614-2

Matrix: Air Lab File ID: 7D14X18.D

Analysis Method: TO-15 Date Collected: 12/12/2023 16:35

Sample wt/vol: 200(mL) Date Analyzed: 12/14/2023 15:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905 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	0.85	J	2.9	0.62
591-78-6	2-Hexanone	ND		8.2	2.0
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	14		12	2.4
71-43-2	Benzene	0.88	J	3.2	0.35
108-86-1	Bromobenzene	ND		6.4	1.3
75-27-4	Bromodichloromethane	ND		6.7	2.7
75-25-2	Bromoform	ND		10	4.1
74-83-9	Bromomethane	ND		3.9	0.78
75-15-0	Carbon disulfide	ND		3.1	1.2
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	1.4
75-00-3	Chloroethane	ND		2.6	0.79
67-66-3	Chloroform	ND		4.9	0.45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID: AA-1-20231212
Lab Sample ID: 410-154614-2

Matrix: Air
Lab File ID: 7D14X18.D

Analysis Method: TO-15
Date Collected: 12/12/2023 16:35

Sample wt/vol: 200(mL)
Date Analyzed: 12/14/2023 15:10

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	1.1	J	2.1	0.83
156-59-2	cis-1,2-Dichloroethene	ND		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.45
98-82-8	Cumene	ND		4.9	1.2
124-48-1	Dibromochloromethane	ND		8.5	3.4
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	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	11		3.5	1.1
540-84-1	Isooctane	ND		4.7	1.9
179601-23-1	m&p-Xylene	2.4	J	4.3	1.1
1634-04-4	Methyl t-butyl ether	ND		3.6	0.54
75-09-2	Methylene Chloride	5.5	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	2.0	J	3.0	0.59
100-42-5	Styrene	ND		4.3	0.85
127-18-4	Tetrachloroethene	2.8	J	14	1.7
108-88-3	Toluene	4.1		3.8	1.5
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	1.1	J	5.6	0.84
75-01-4	Vinyl chloride	ND		2.6	0.31

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D
Lims ID: 410-154614-A-2
Client ID: AA-1-20231212
Sample Type: Client
Inject. Date: 14-Dec-2023 15:10:04 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 154614-2
Misc. Info.: 410-0101896-018
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 15-Dec-2023 08:39:42 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: MLX9 Date: 15-Dec-2023 08:27:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.026	2.014	0.012	98	13432	0.5269	
5 Chloromethane	50	2.262	2.254	0.011	61	4618	0.5381	
12 Trichlorofluoromethane	101	3.147	3.135	0.012	93	5681	0.2031	
11 Pentane	43	3.244	3.237	0.011	97	9755	0.6684	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.671	3.684	-0.008	85	1333	0.0788	
23 Acetone	43	3.709	3.713	0.004	99	82146	5.90	
22 Methylene Chloride	84	4.166	4.161	0.011	91	15351	1.58	
25 Hexane	56	4.676	4.679	0.004	93	24249	3.14	
43 2-Butanone (MEK)	72	5.347	5.350	0.004	100	1343	0.2877	
34 cis-1,2-Dichloroethene	61	5.355	5.369	-0.007	64	1495	0.0879	
* 35 Chlorobromomethane (IS)	130	5.587	5.576	0.011	92	117369	10.0	
46 Benzene	78	6.168	6.179	-0.004	91	9902	0.2743	
44 Isooctane	57	6.281	6.288	0.001	94	6951	0.1613	
* 50 1,4-Difluorobenzene	114	6.565	6.551	0.014	94	462204	10.0	
59 Toluene	91	8.099	8.102	0.000	98	46559	1.09	
61 Tetrachloroethene	166	8.642	8.649	-0.004	95	8496	0.4128	
* 68 Chlorobenzene-d5 (IS)	117	9.602	9.594	0.008	85	462259	10.0	
70 Ethylbenzene	91	9.741	9.744	0.000	97	8777	0.1830	
72 m-Xylene & p-Xylene	91	9.879	9.890	-0.008	99	19756	0.5596	
73 o-Xylene	91	10.333	10.337	0.004	95	5031	0.1491	

QC Flag Legend
Processing Flags

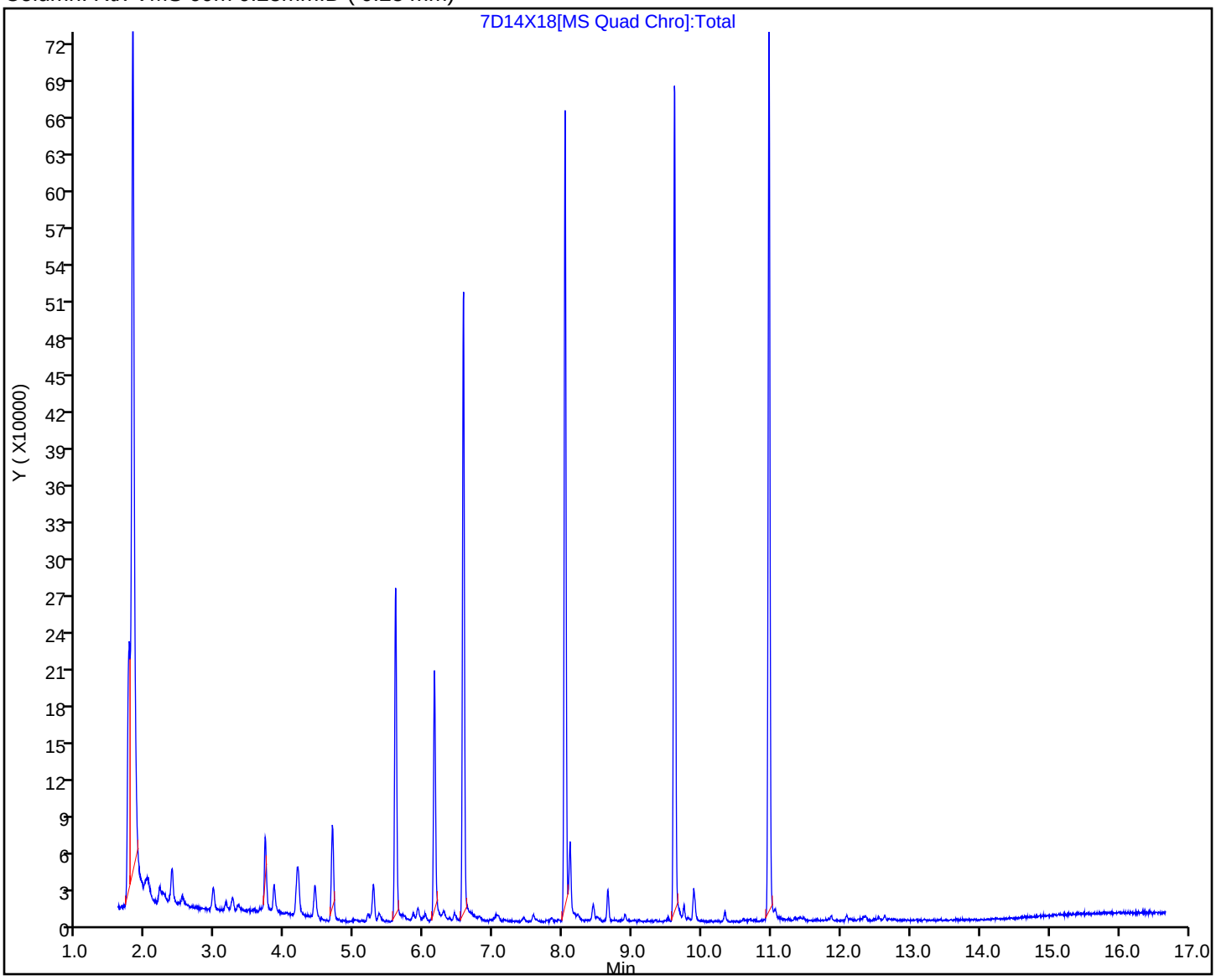
Reagents:
AIRIS200 ppb_00260 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 15-Dec-2023 08:40:42 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
Injection Date:	14-Dec-2023 15:10:04	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
Lims ID:	410-154614-A-2				
Client ID:	AA-1-20231212				
Sample Type:	Client				
Inject. Date:	14-Dec-2023 15:10:04	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	154614-2				
Misc. Info.:	410-0101896-018				
Operator ID:	bcb85445	Instrument ID:	HP8R004		
Method:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m				
Limit Group:	MSV - TO15				
Last Update:	15-Dec-2023 08:39:42	Calib Date:	19-Oct-2023 17:54:23		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D				
Column 1 :	Rtx-VMS 60m 0.25mmID (0.25 mm)		Det: MS Quad		
Process Host:	CTX1681				
First Level Reviewer: MLX9		Date:	15-Dec-2023 08:27:48		

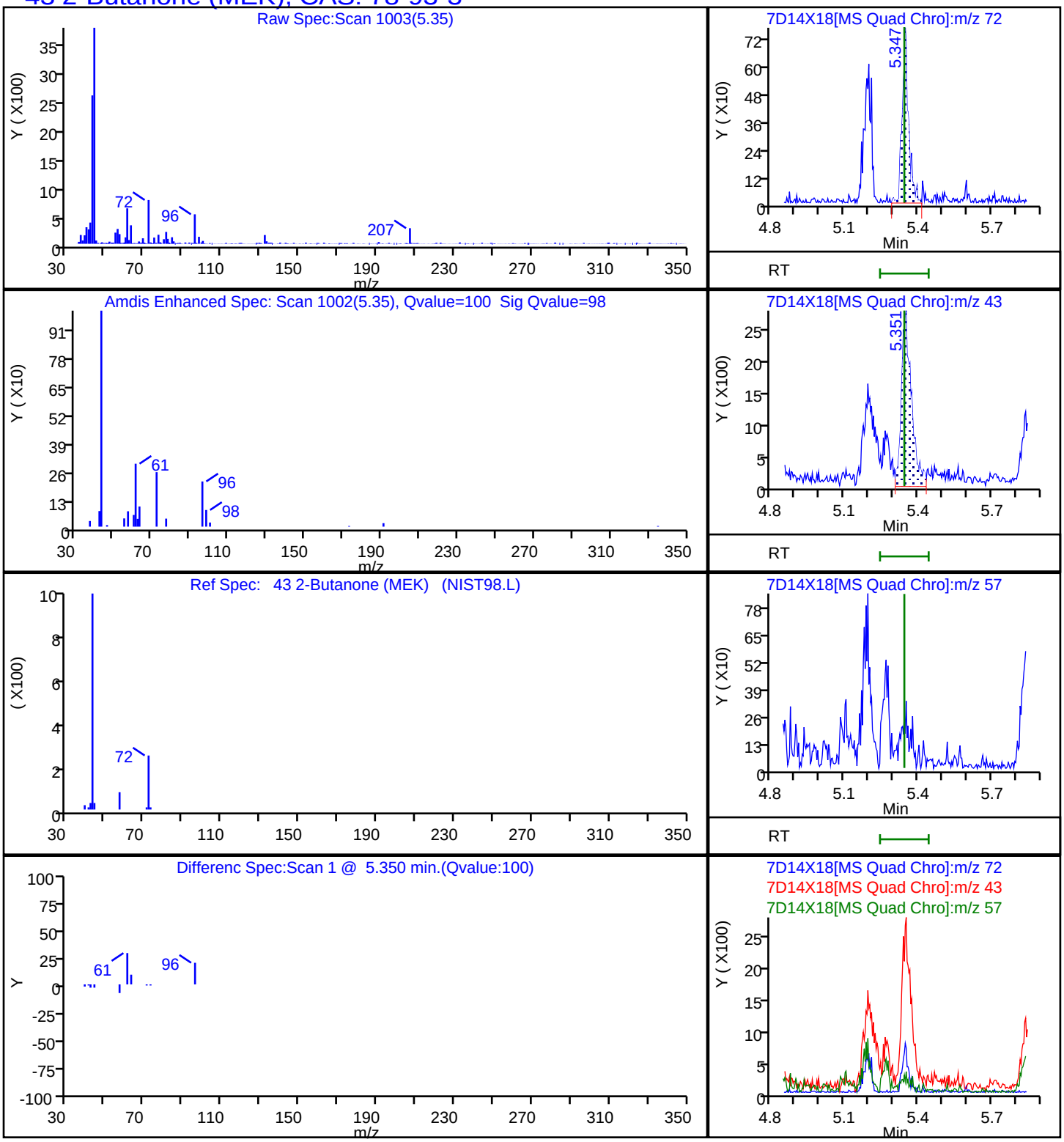
Compound	Amount Added	Amount Recovered	% Rec.

Report Date: 15-Dec-2023 08:40:42 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

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Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

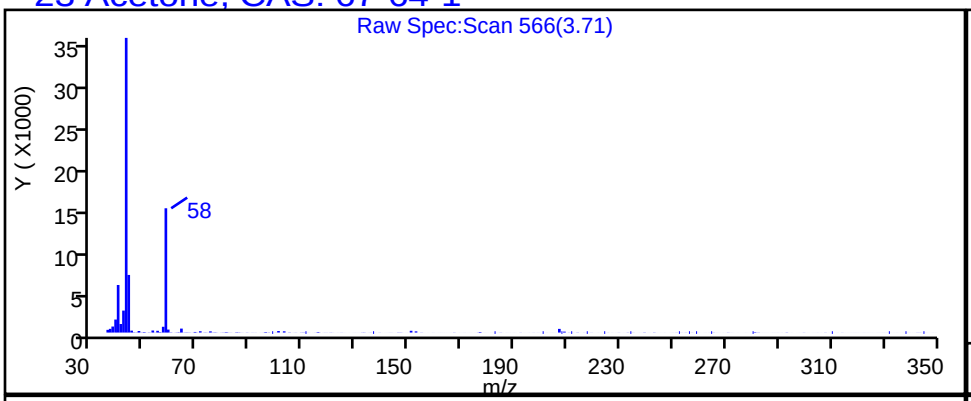
43 2-Butanone (MEK), CAS: 78-93-3

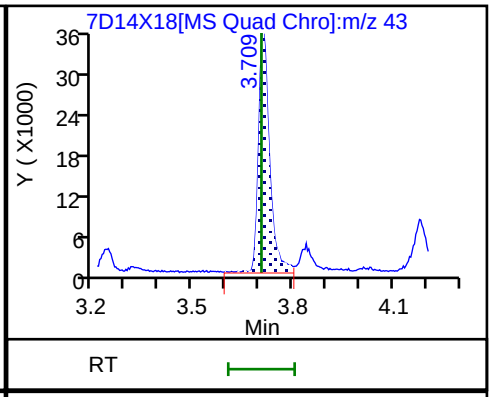


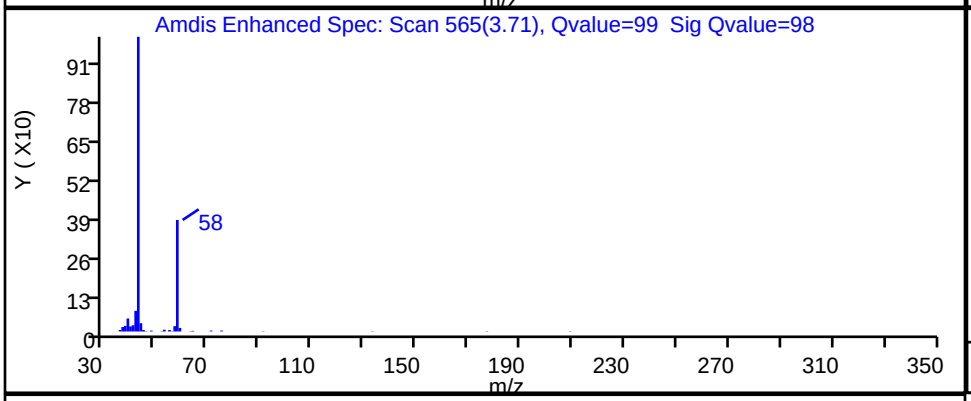
Eurofins Lancaster Laboratories Environment Testing, LLC

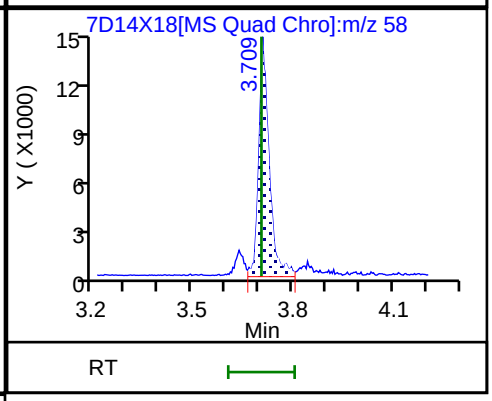
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Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

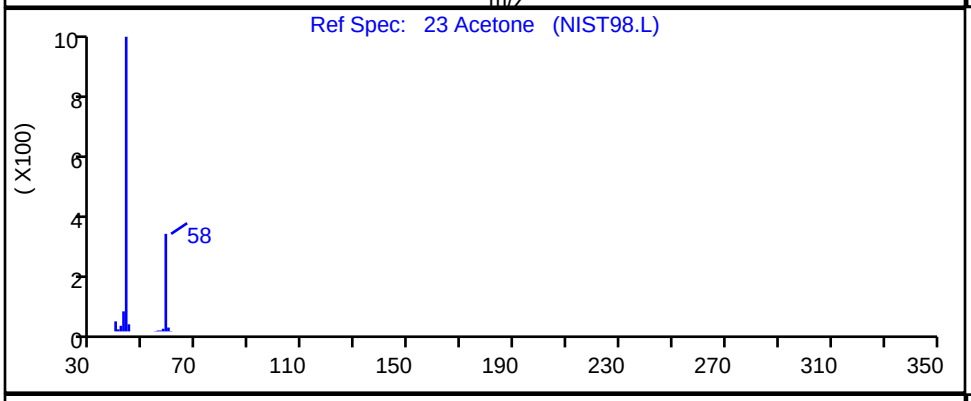
23 Acetone, CAS: 67-64-1

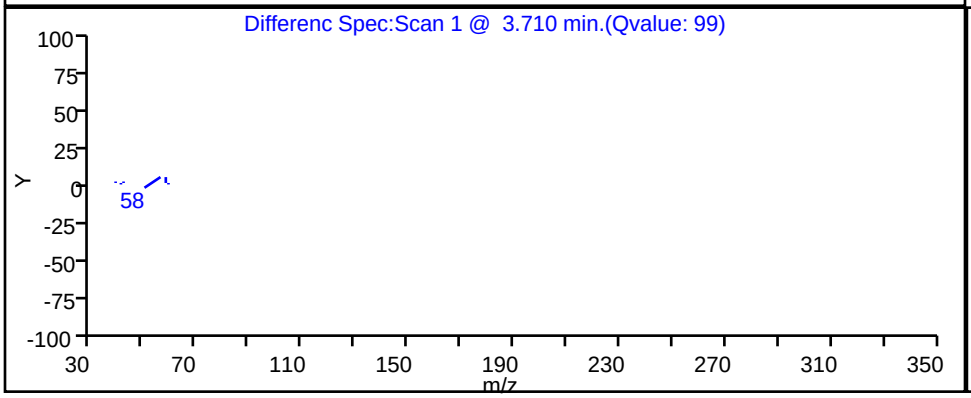


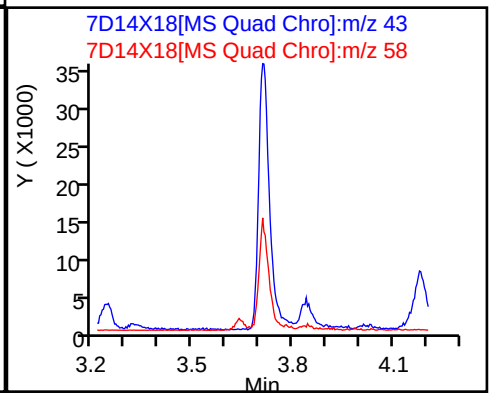








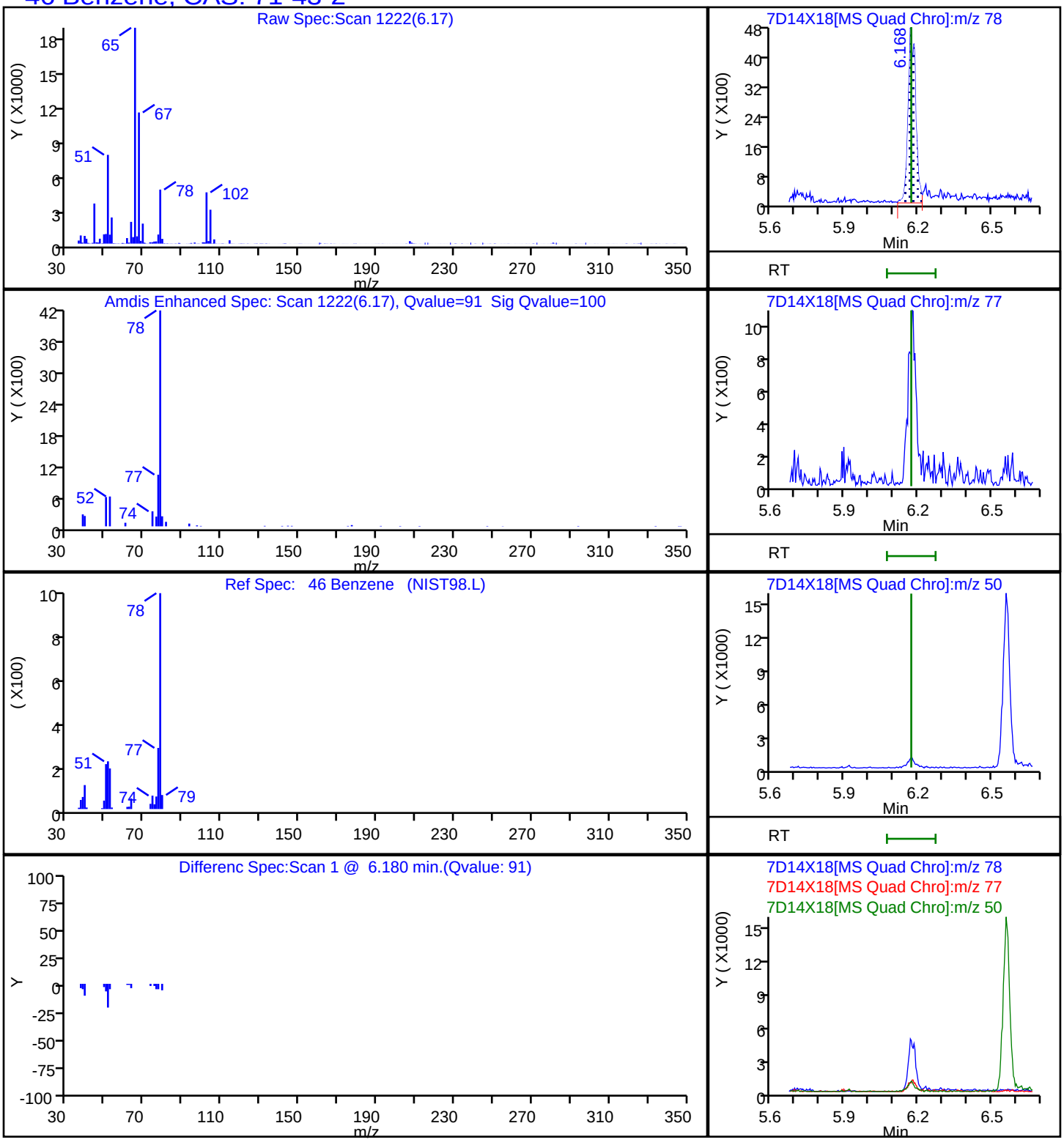




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Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

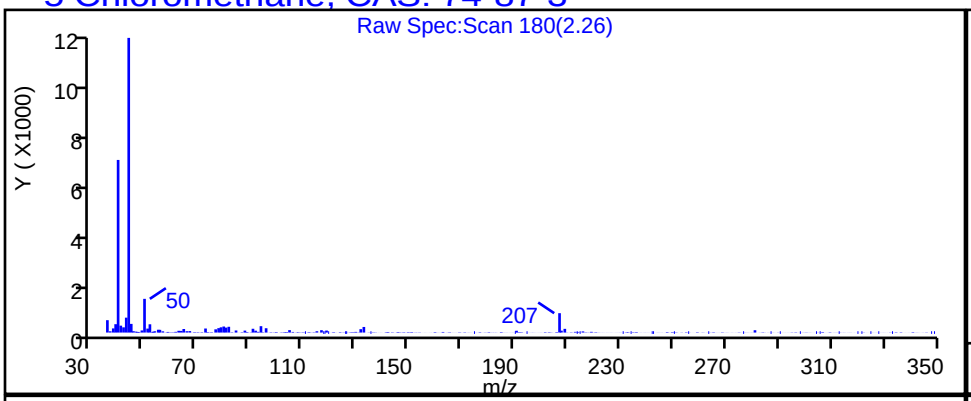
46 Benzene, CAS: 71-43-2

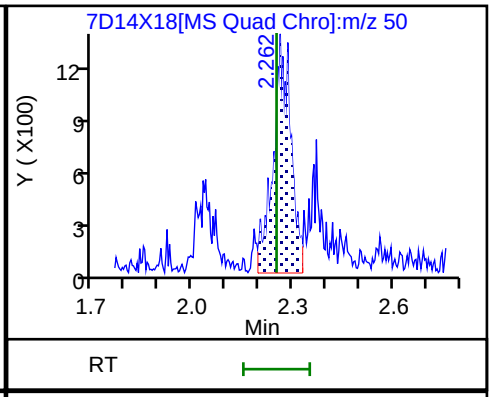


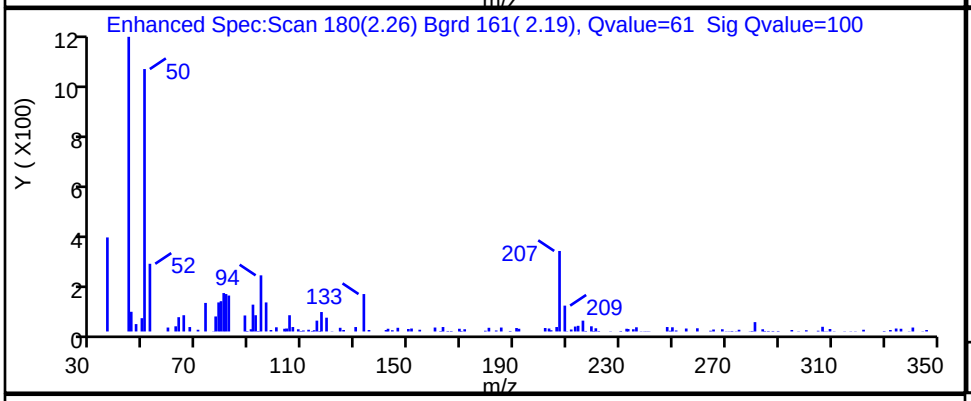
Eurofins Lancaster Laboratories Environment Testing, LLC

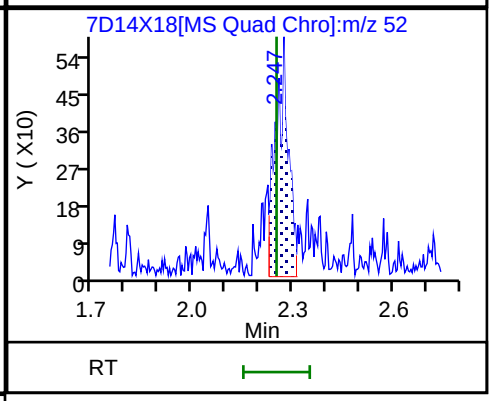
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Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

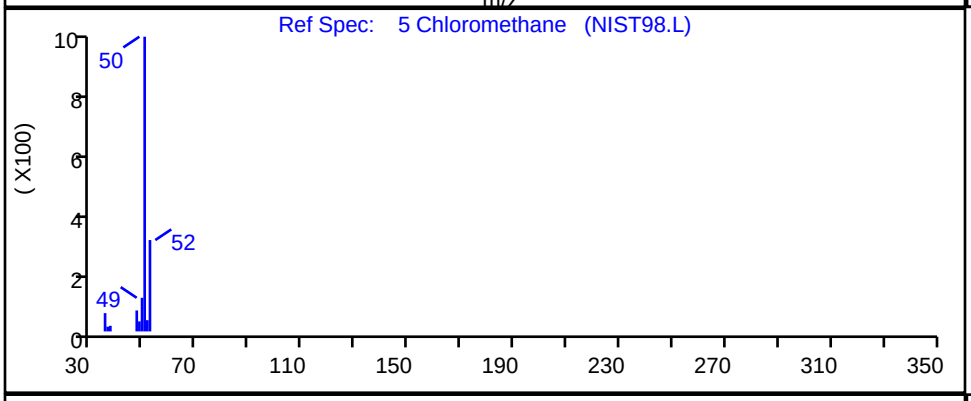
5 Chloromethane, CAS: 74-87-3

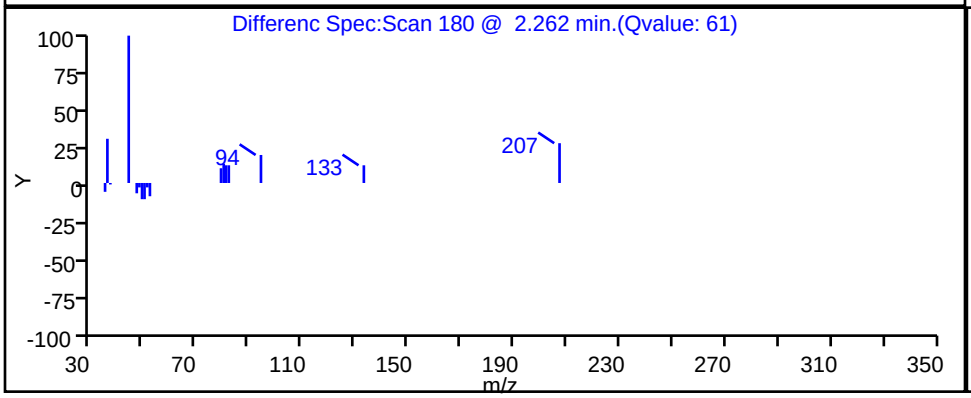


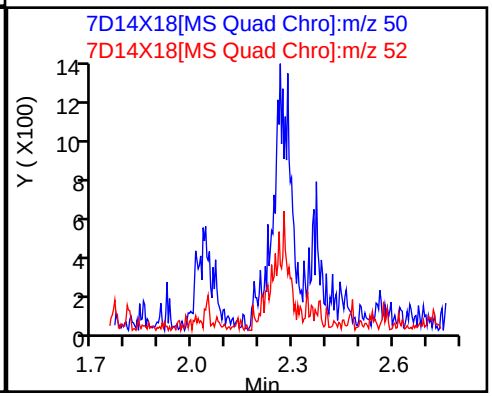








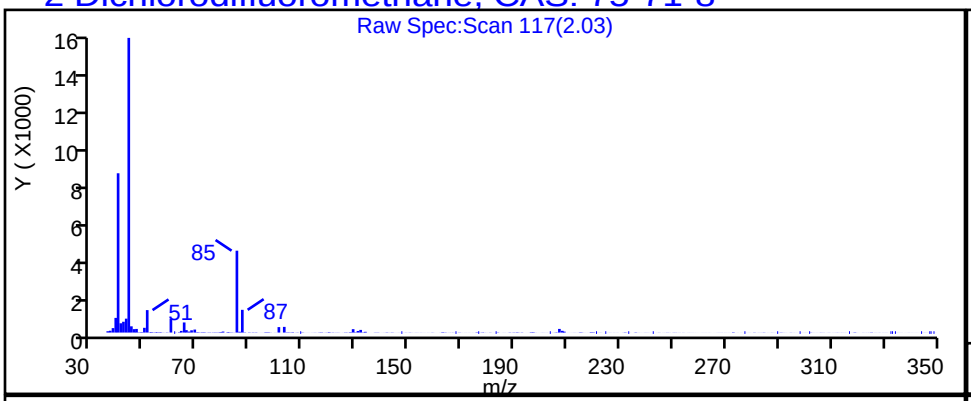


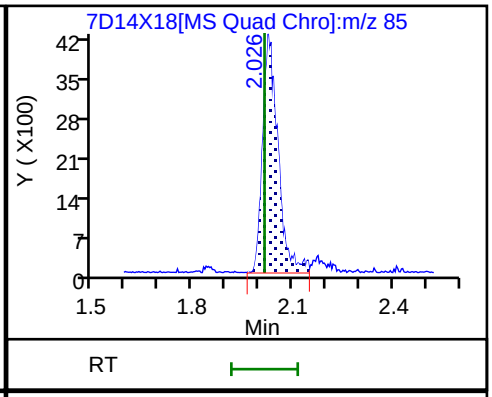


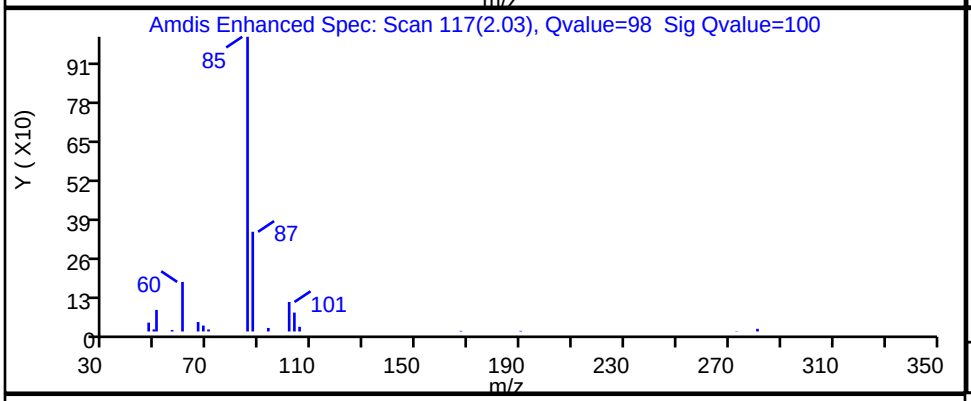
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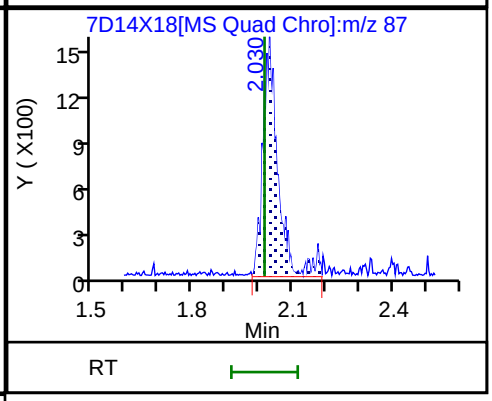
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Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

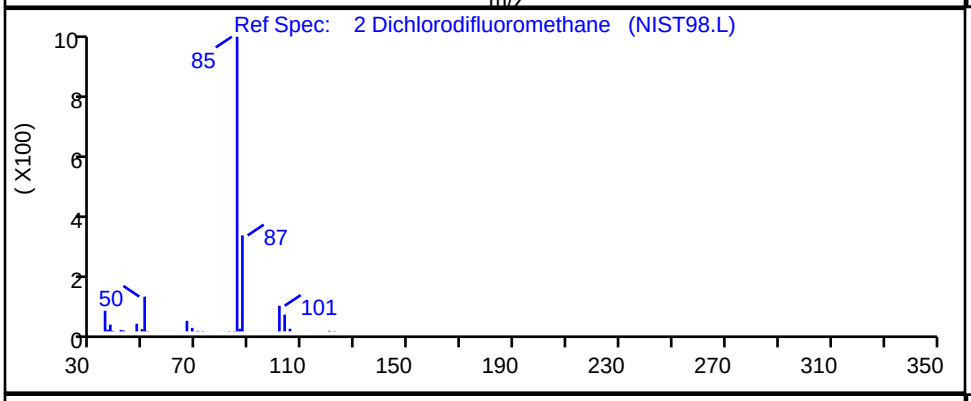
2 Dichlorodifluoromethane, CAS: 75-71-8

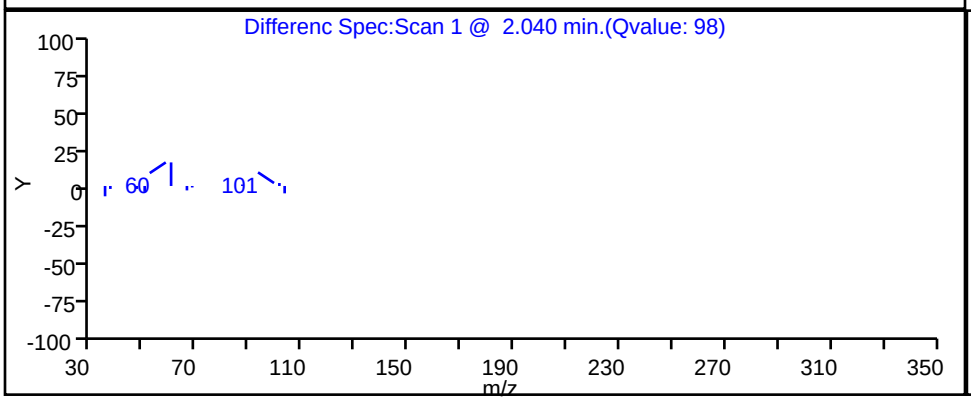


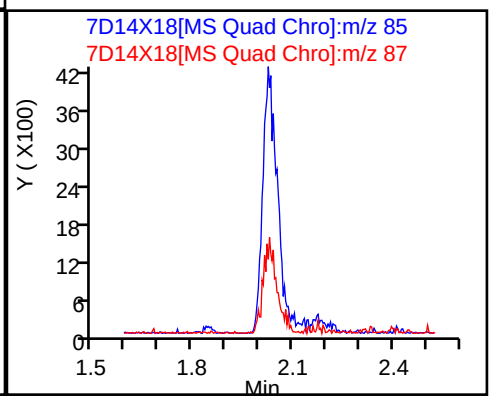








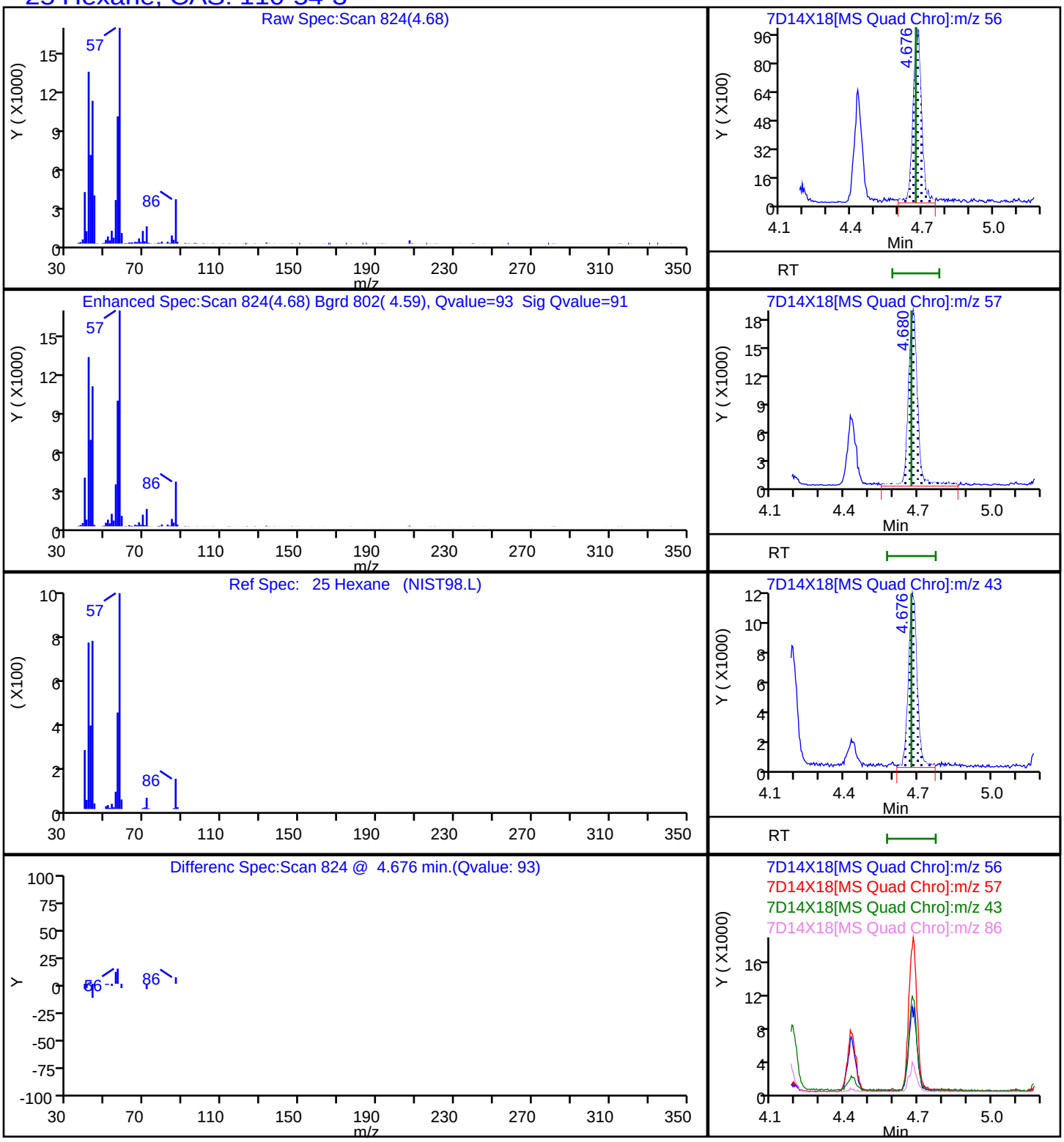




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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
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Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

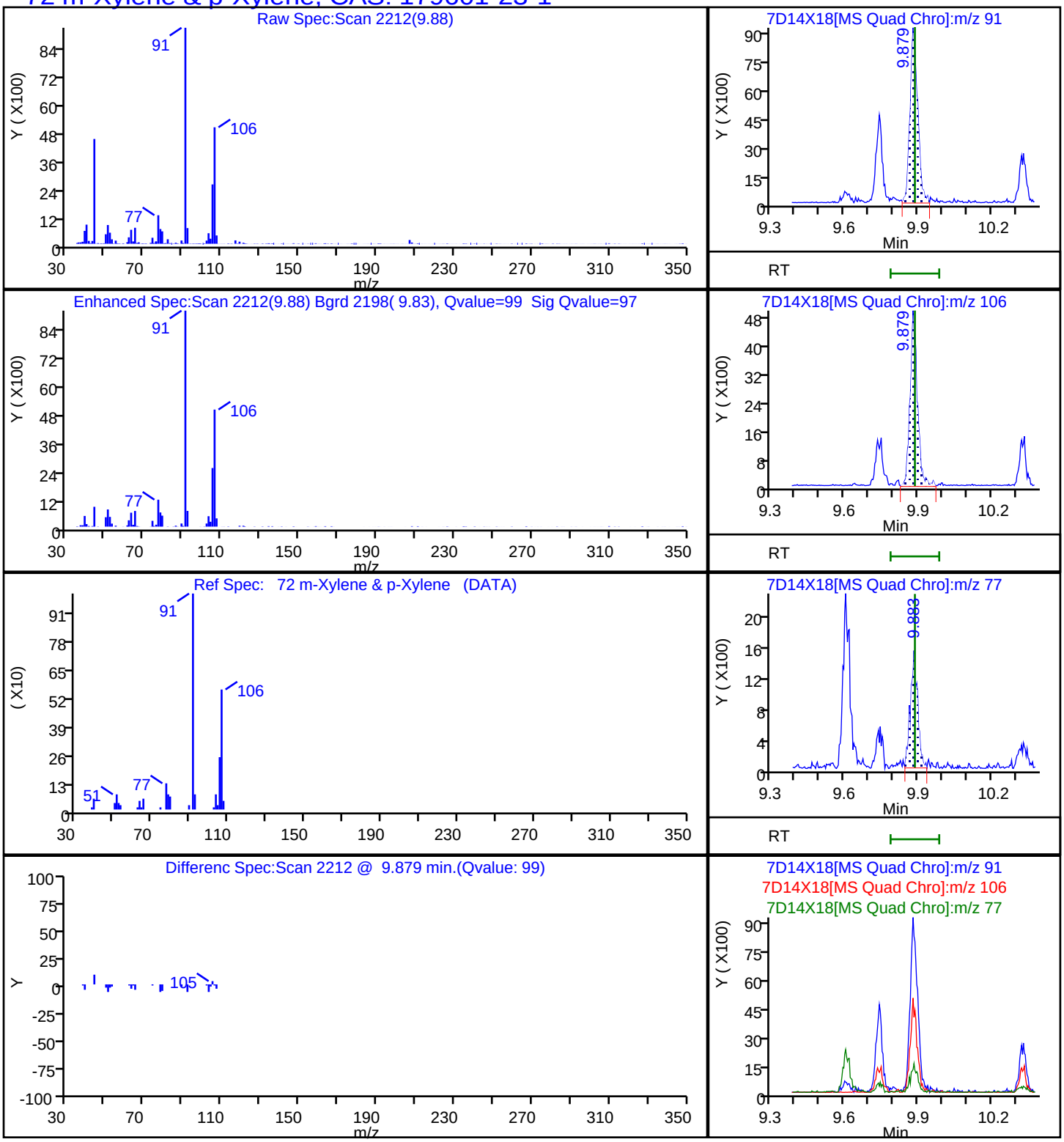
25 Hexane, CAS: 110-54-3



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
Injection Date:	14-Dec-2023 15:10:04	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

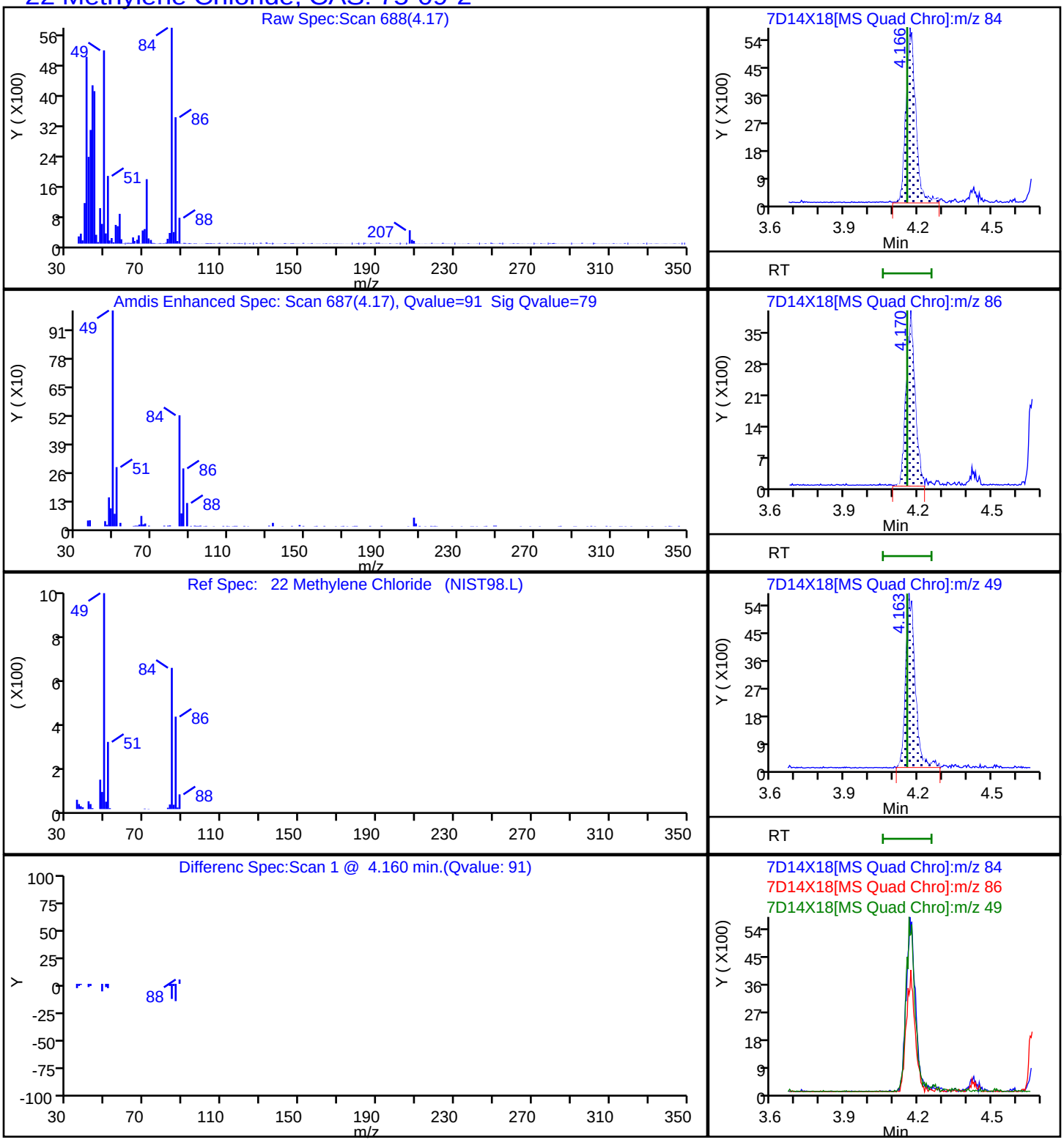
72 m-Xylene & p-Xylene, CAS: 179601-23-1



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Injection Date:	14-Dec-2023 15:10:04	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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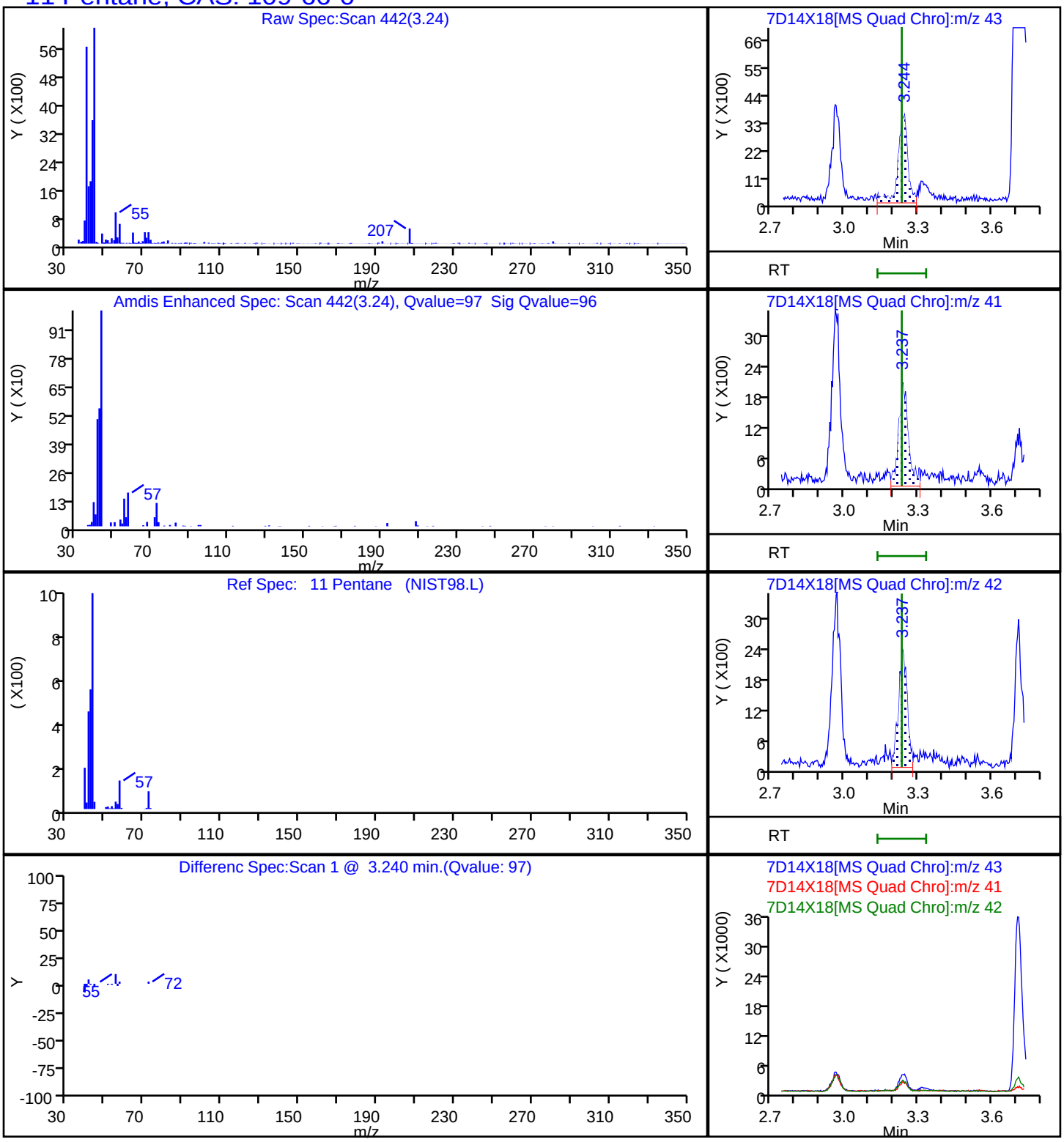
22 Methylene Chloride, CAS: 75-09-2



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
Injection Date:	14-Dec-2023 15:10:04	Instrument ID:	HP8R004		
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Client ID:	AA-1-20231212				
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Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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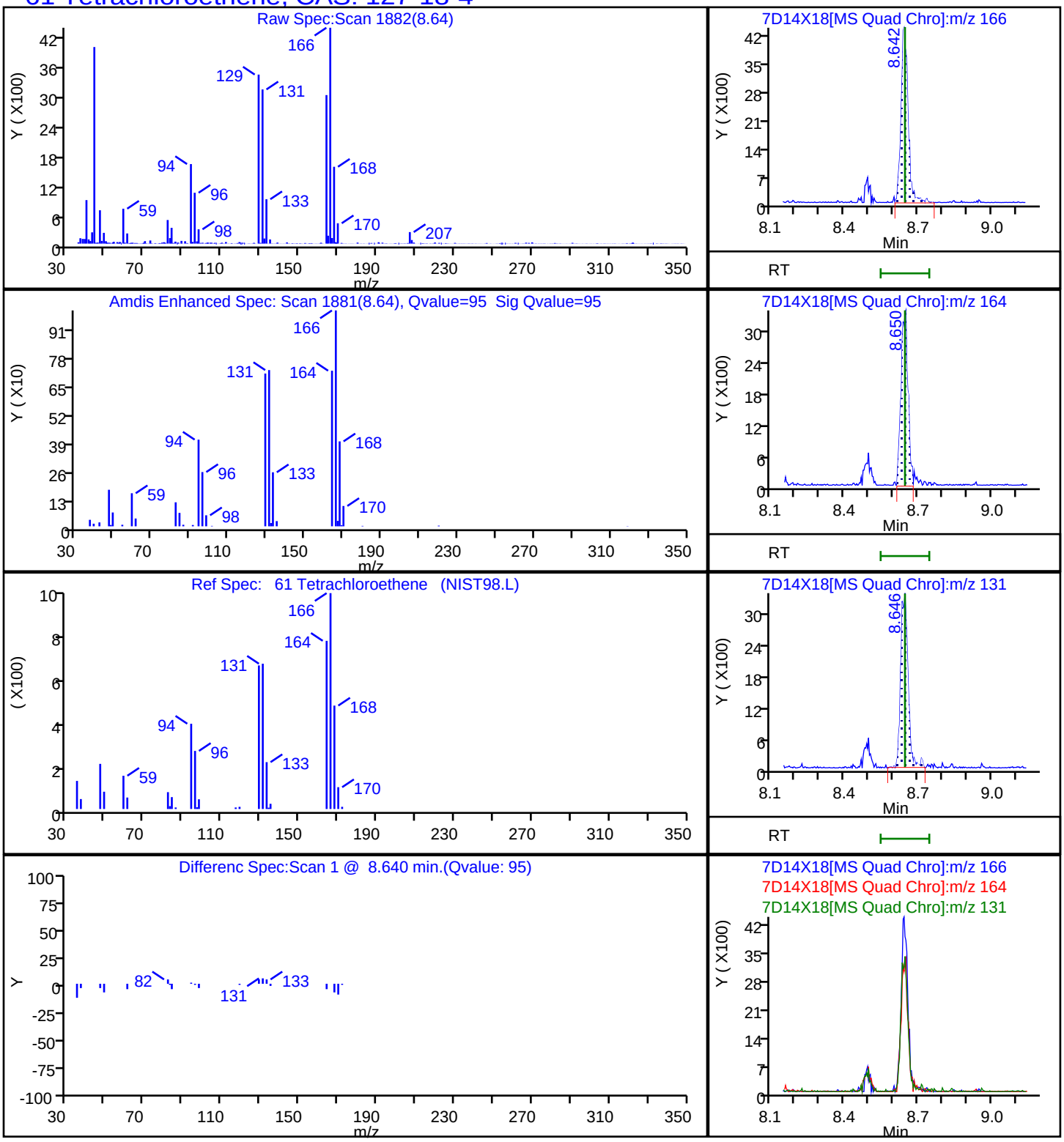
11 Pentane, CAS: 109-66-0



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
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Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
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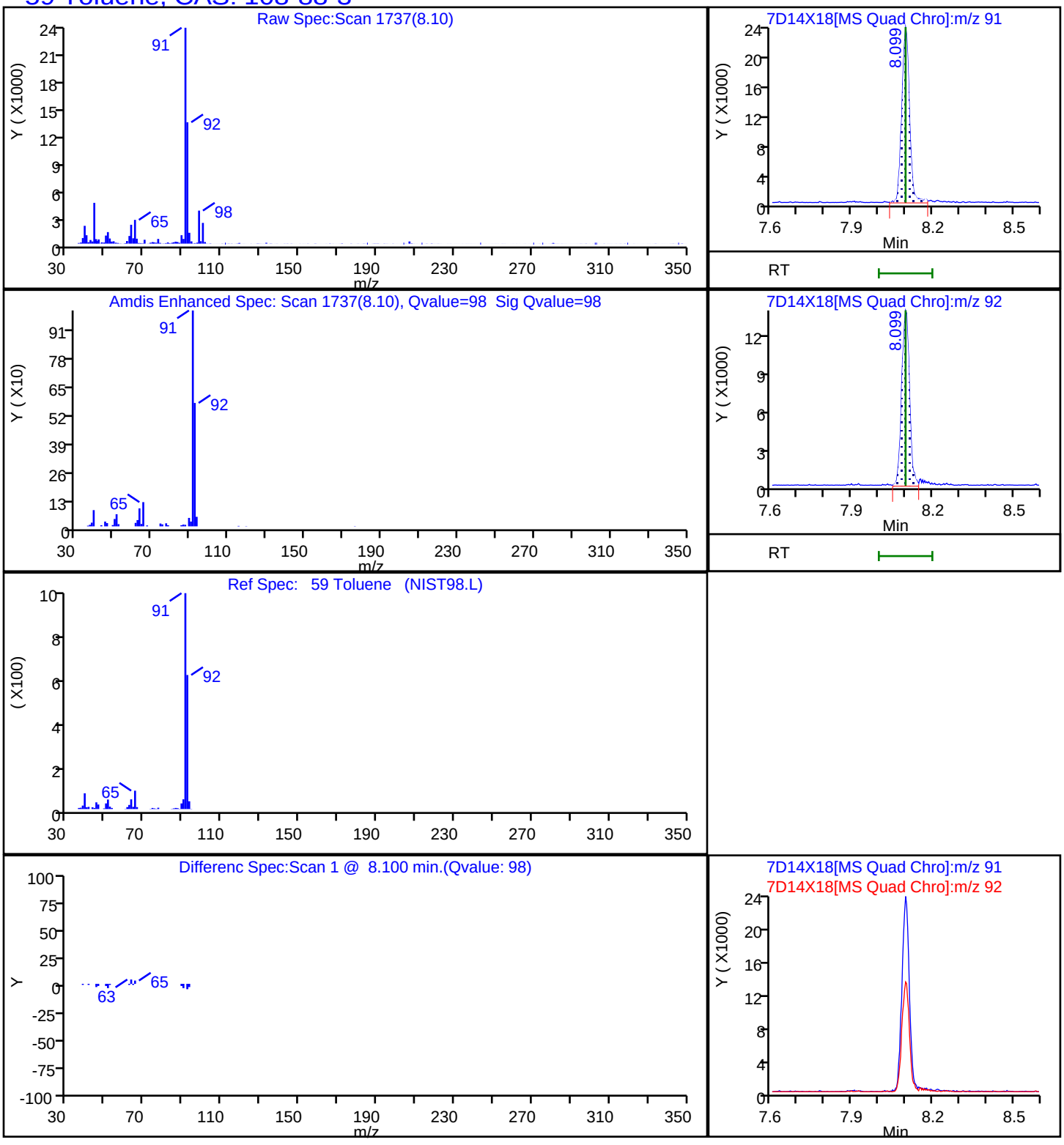
61 Tetrachloroethene, CAS: 127-18-4



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
Injection Date:	14-Dec-2023 15:10:04	Instrument ID:	HP8R004		
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Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

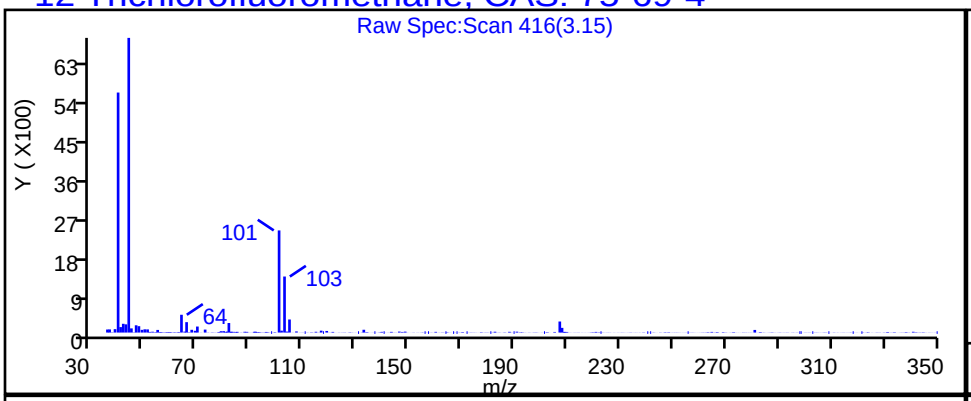
59 Toluene, CAS: 108-88-3

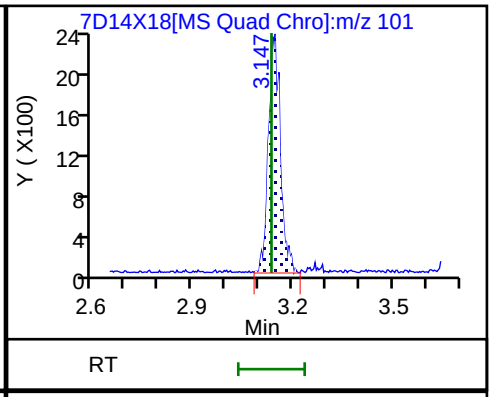


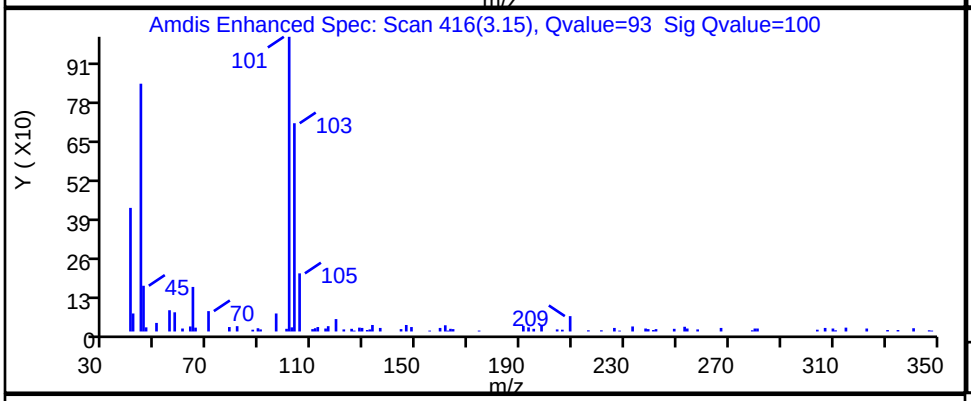
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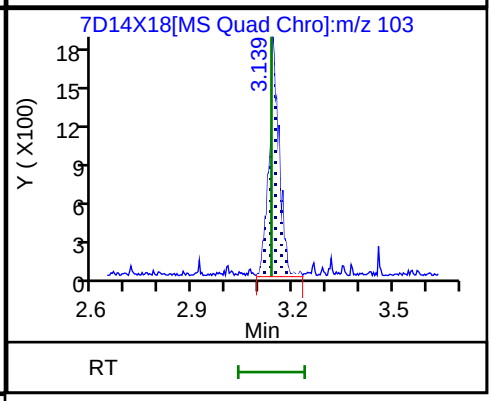
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Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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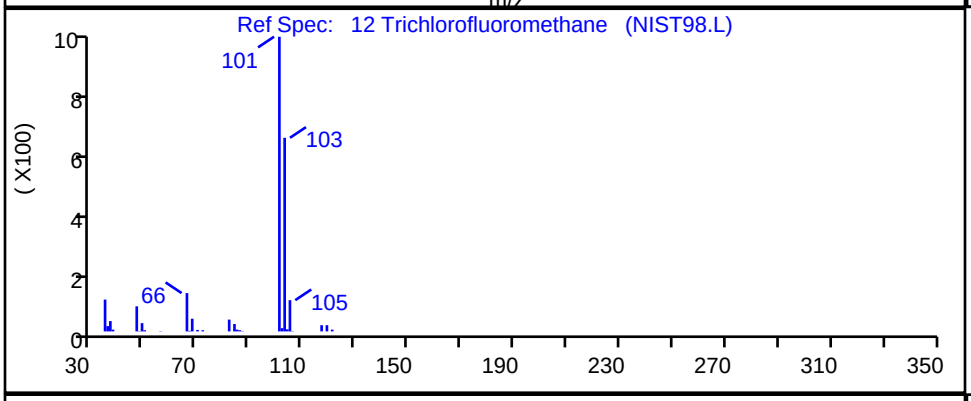
12 Trichlorofluoromethane, CAS: 75-69-4

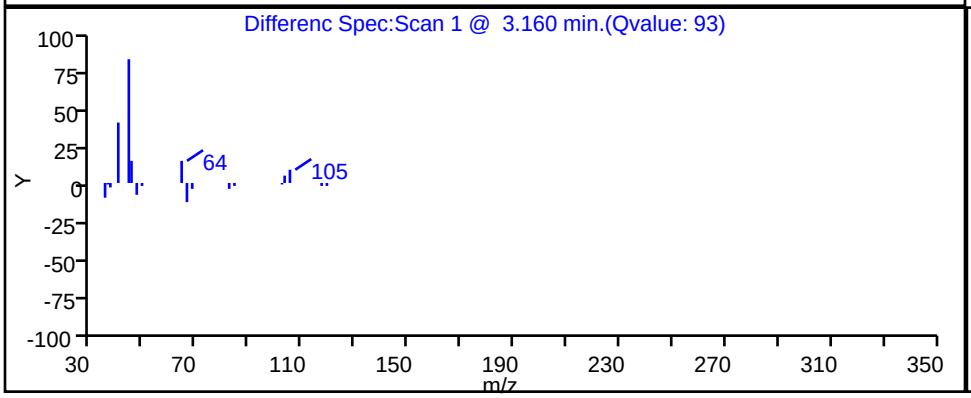


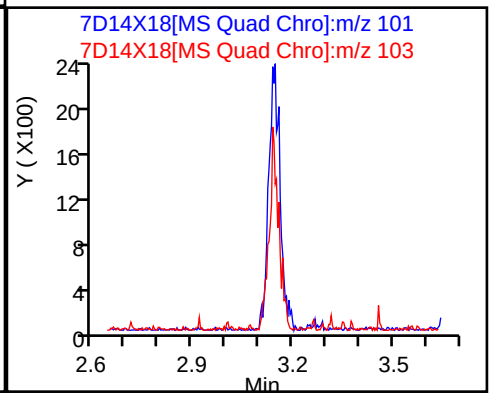












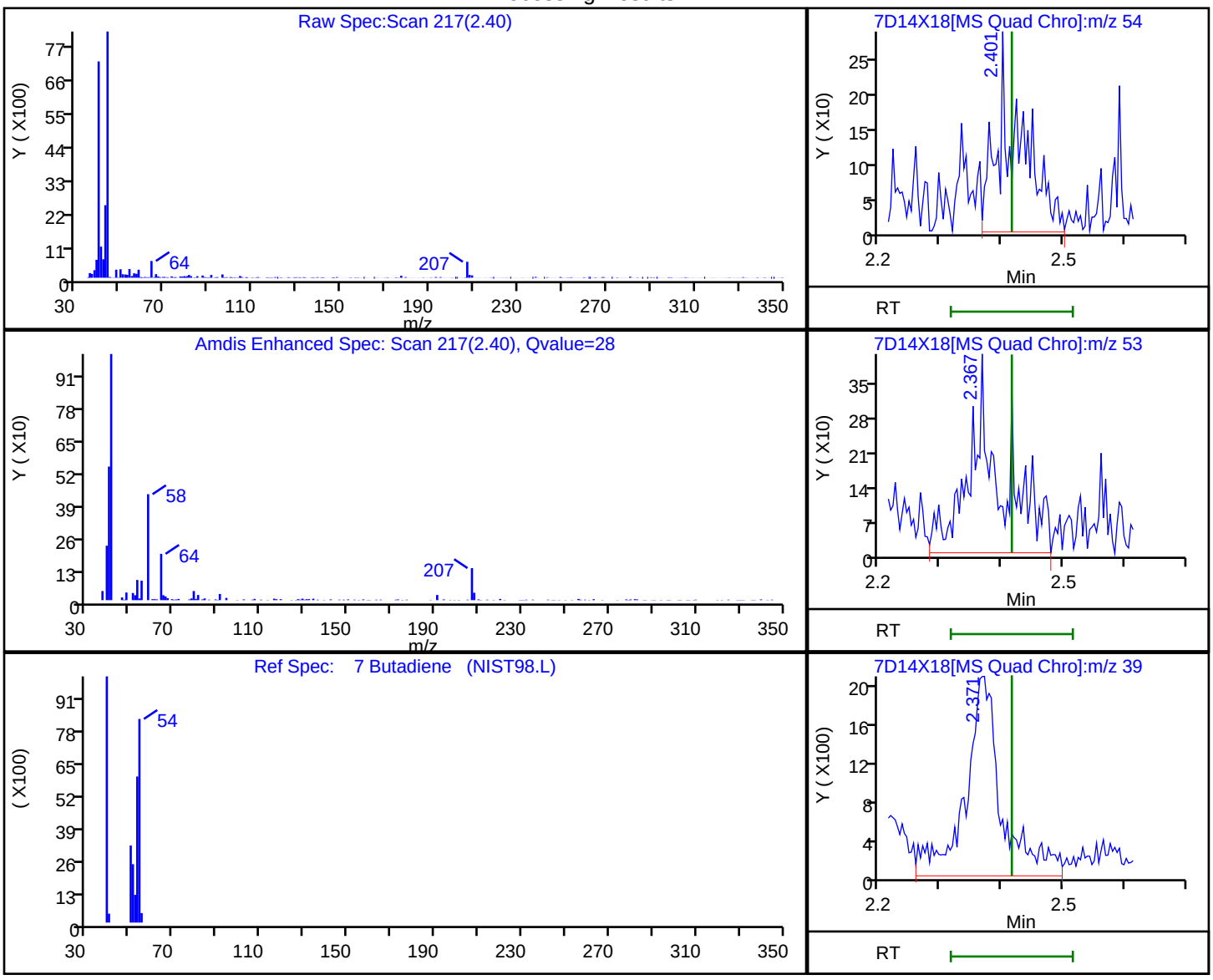
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
Injection Date:	14-Dec-2023 15:10:04	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
2.40	54.00	749	0.123801
2.37	53.00	1466	
2.37	39.00	8614	

Reviewer: MLX9, 15-Dec-2023 08:27:32 -05:00:00 (UTC)

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

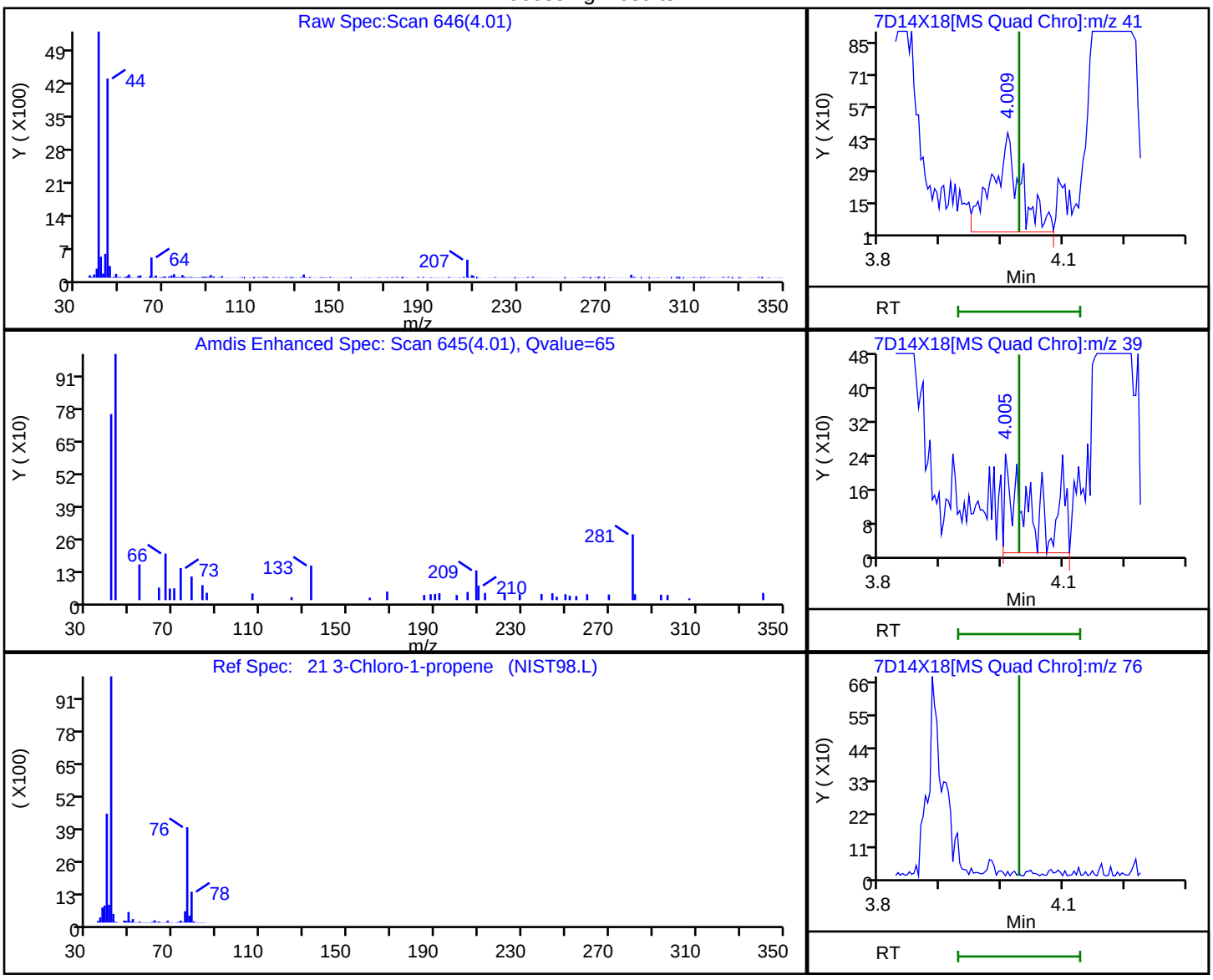
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
Injection Date:	14-Dec-2023 15:10:04	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
4.01	41.00	1364	0.125846
4.01	39.00	707	
4.03	76.00	0	

Reviewer: MLX9, 15-Dec-2023 08:27:01 -05:00:00 (UTC)

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

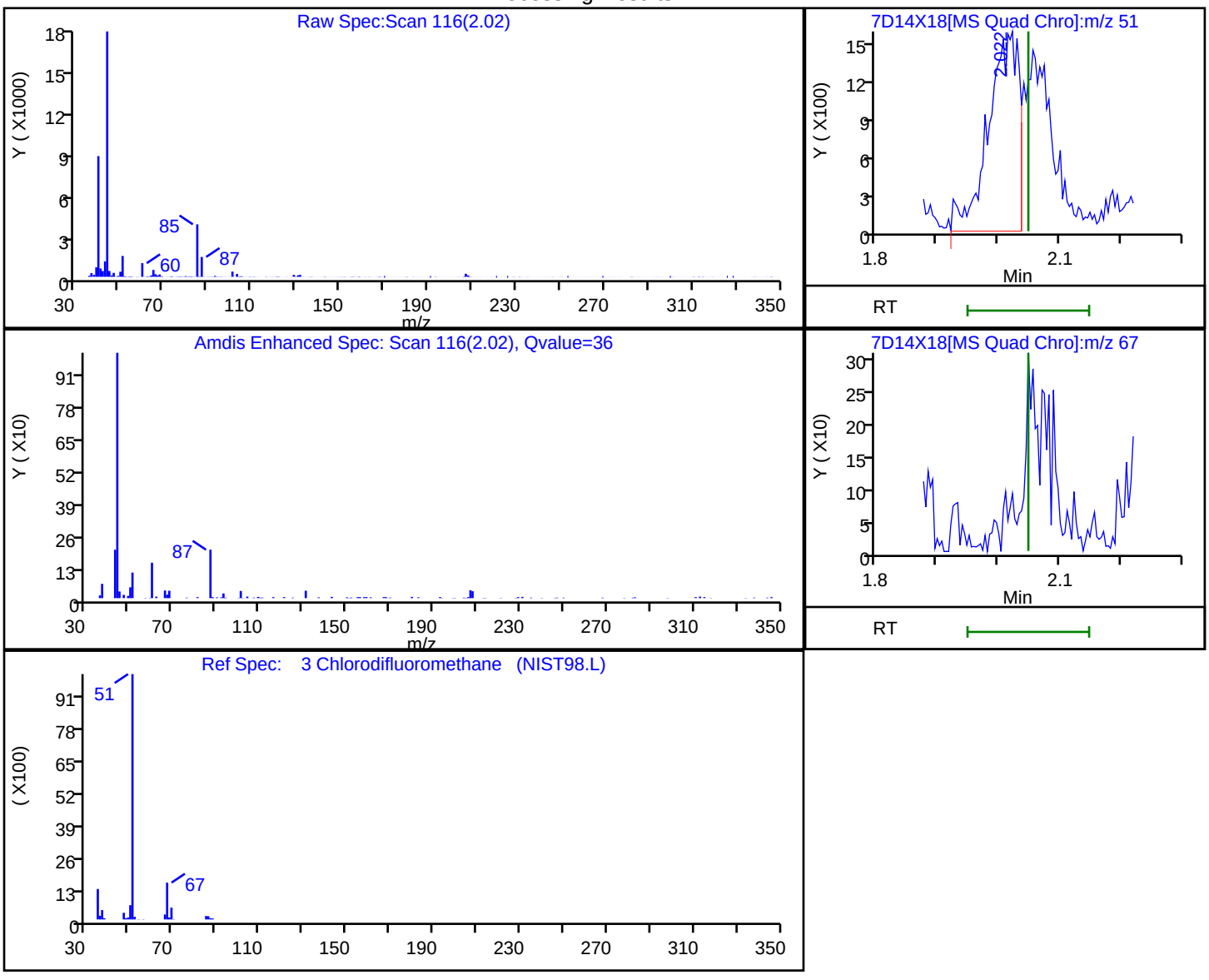
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X18.D				
Injection Date:	14-Dec-2023 15:10:04	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

3 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
2.02	51.00	5120	0.356103
2.05	67.00	0	

Reviewer: MLX9, 15-Dec-2023 08:27:45 -05:00:00 (UTC)

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

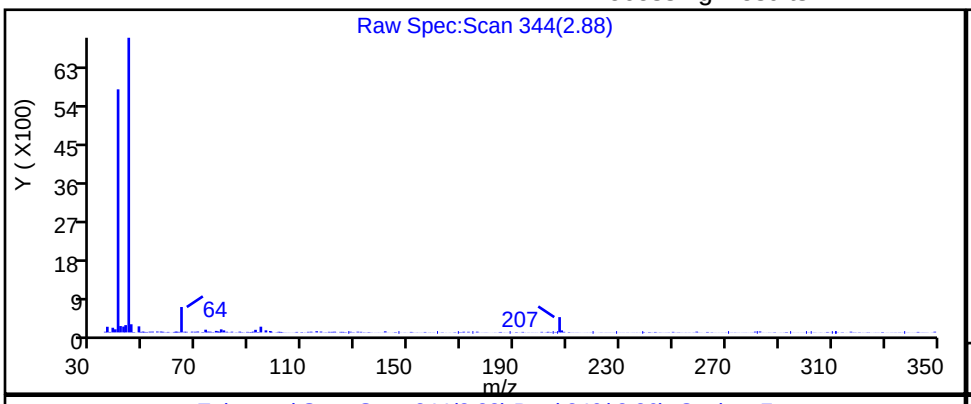
User Disabled Compound Report

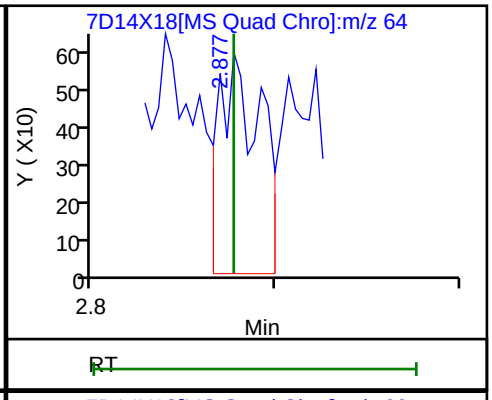
Eurofins Lancaster Laboratories Environment Testing, LLC

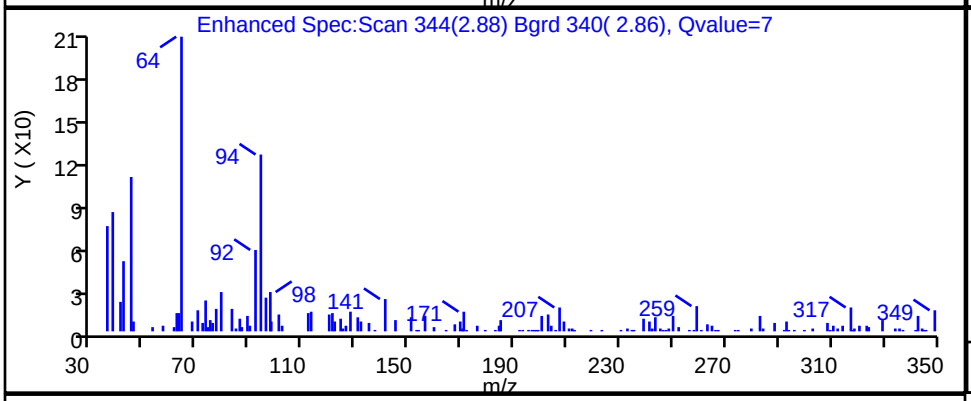
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Injection Date:	14-Dec-2023 15:10:04	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-2	Lab Sample ID:	410-154614-2		
Client ID:	AA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	18
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

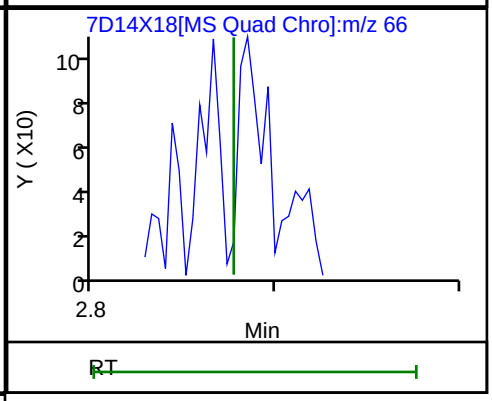
9 Chloroethane, CAS: 75-00-3

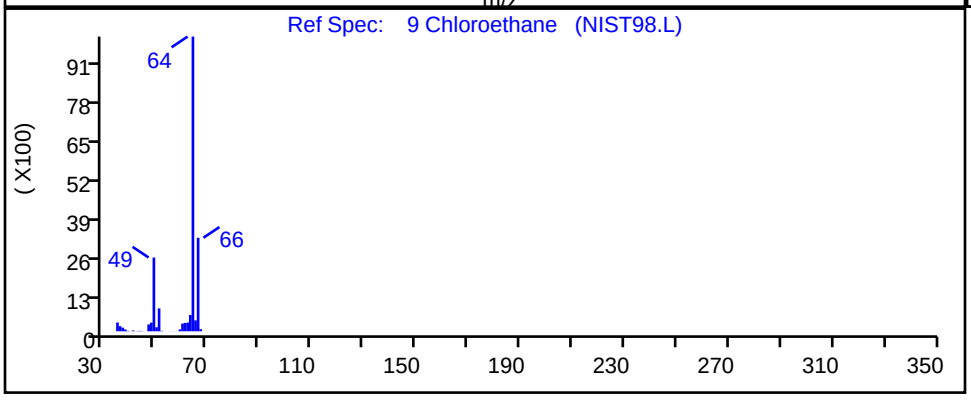
Processing Results











RT	Mass	Response	Amount
2.88	64.00	894	0.153924
2.88	66.00	0	

Reviewer: MLX9, 15-Dec-2023 08:27:28 -05:00:00 (UTC)

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID: IA-1-20231212
Lab Sample ID: 410-154614-3

Matrix: Air
Lab File ID: 7D14X19.D

Analysis Method: TO-15
Date Collected: 12/12/2023 16:36

Sample wt/vol: 200(mL)
Date Analyzed: 12/14/2023 15:34

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905
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	5.9	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	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	3.9		2.9	0.62
591-78-6	2-Hexanone	ND		8.2	2.0
107-05-1	3-Chloroprene	ND		3.1	0.63
622-96-8	4-Ethyltoluene	1.1	J	4.9	0.88
108-10-1	4-Methyl-2-pentanone	0.61	J	4.1	0.61
67-64-1	Acetone	19		12	2.4
71-43-2	Benzene	2.2	J	3.2	0.35
108-86-1	Bromobenzene	ND		6.4	1.3
75-27-4	Bromodichloromethane	ND		6.7	2.7
75-25-2	Bromoform	ND		10	4.1
74-83-9	Bromomethane	ND		3.9	0.78
75-15-0	Carbon disulfide	ND		3.1	1.2
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	1.4
75-00-3	Chloroethane	ND		2.6	0.79
67-66-3	Chloroform	ND		4.9	0.45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID: IA-1-20231212
Lab Sample ID: 410-154614-3

Matrix: Air
Lab File ID: 7D14X19.D

Analysis Method: TO-15
Date Collected: 12/12/2023 16:36

Sample wt/vol: 200(mL)
Date Analyzed: 12/14/2023 15:34

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	0.86	J	2.1	0.83
156-59-2	cis-1,2-Dichloroethene	0.97	J	4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.45
98-82-8	Cumene	ND		4.9	1.2
124-48-1	Dibromochloromethane	ND		8.5	3.4
74-95-3	Dibromomethane	ND		7.1	1.0
75-71-8	Dichlorodifluoromethane	2.4	J	4.9	0.64
75-43-4	Dichlorofluoromethane	ND		4.2	0.46
100-41-4	Ethylbenzene	2.9	J	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	1.5	J	4.1	0.94
67-72-1	Hexachloroethane	ND		19	2.6
110-54-3	Hexane	11		3.5	1.1
540-84-1	Isooctane	2.6	J	4.7	1.9
179601-23-1	m&p-Xylene	8.9		4.3	1.1
1634-04-4	Methyl t-butyl ether	ND		3.6	0.54
75-09-2	Methylene Chloride	3.9	J	6.9	0.87
95-47-6	o-Xylene	3.1	J	4.3	0.83
111-65-9	Octane	ND		9.3	1.9
109-66-0	Pentane	8.6		3.0	0.59
100-42-5	Styrene	ND		4.3	0.85
127-18-4	Tetrachloroethene	3.5	J	14	1.7
108-88-3	Toluene	13		3.8	1.5
156-60-5	trans-1,2-Dichloroethene	1.2	J	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	1.1	J	5.6	0.84
75-01-4	Vinyl chloride	ND		2.6	0.31

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D
Lims ID: 410-154614-A-3
Client ID: IA-1-20231212
Sample Type: Client
Inject. Date: 14-Dec-2023 15:34:13 ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 154614-3
Misc. Info.: 410-0101896-019
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 15-Dec-2023 08:39:42 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1681

First Level Reviewer: MLX9 Date: 15-Dec-2023 08:32:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
2 Dichlorodifluoromethane	85	2.022	2.014	0.008	95	12927	0.4903	
5 Chloromethane	50	2.277	2.254	0.026	94	3681	0.4147	
12 Trichlorofluoromethane	101	3.139	3.135	0.004	97	5889	0.2035	
11 Pentane	43	3.237	3.237	0.004	99	44038	2.92	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.683	3.684	0.004	71	1336	0.0764	
23 Acetone	43	3.713	3.713	0.008	99	112874	7.84	M
17 Carbon disulfide	76	3.896	3.888	0.011	94	3302	0.1167	
22 Methylene Chloride	84	4.166	4.161	0.011	84	11307	1.13	
24 trans-1,2-Dichloroethene	61	4.421	4.422	0.007	52	4453	0.3055	
25 Hexane	56	4.680	4.679	0.008	93	24285	3.04	
43 2-Butanone (MEK)	72	5.351	5.350	0.008	100	6394	1.32	
34 cis-1,2-Dichloroethene	61	5.377	5.369	0.015	66	4300	0.2444	
* 35 Chlorobromomethane (IS)	130	5.591	5.576	0.015	94	121395	10.0	
46 Benzene	78	6.179	6.179	0.007	96	26192	0.6912	
44 Isooctane	57	6.284	6.288	0.004	96	25378	0.5609	
45 n-Heptane	71	6.430	6.441	0.000	85	4092	0.3749	
* 50 1,4-Difluorobenzene	114	6.565	6.551	0.014	94	485246	10.0	
60 4-Methyl-2-pentanone (MIBK)	43	7.889	7.902	0.000	94	3113	0.1477	
59 Toluene	91	8.099	8.102	0.000	98	155709	3.49	
58 n-Octane	43	8.219	8.218	0.004	79	5409	0.2362	
61 Tetrachloroethene	166	8.646	8.649	0.000	93	10972	0.5093	
* 68 Chlorobenzene-d5 (IS)	117	9.606	9.594	0.012	85	483823	10.0	
70 Ethylbenzene	91	9.741	9.744	0.000	97	33982	0.6770	
72 m-Xylene & p-Xylene	91	9.879	9.890	-0.008	98	75485	2.04	
73 o-Xylene	91	10.333	10.337	0.004	98	25116	0.7112	
80 4-Ethyltoluene	105	11.382	11.391	0.000	96	10547	0.2150	
82 1,3,5-Trimethylbenzene	105	11.454	11.459	0.004	94	9445	0.2297	
86 1,2,4-Trimethylbenzene	105	11.859	11.868	0.000	97	45427	1.20	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

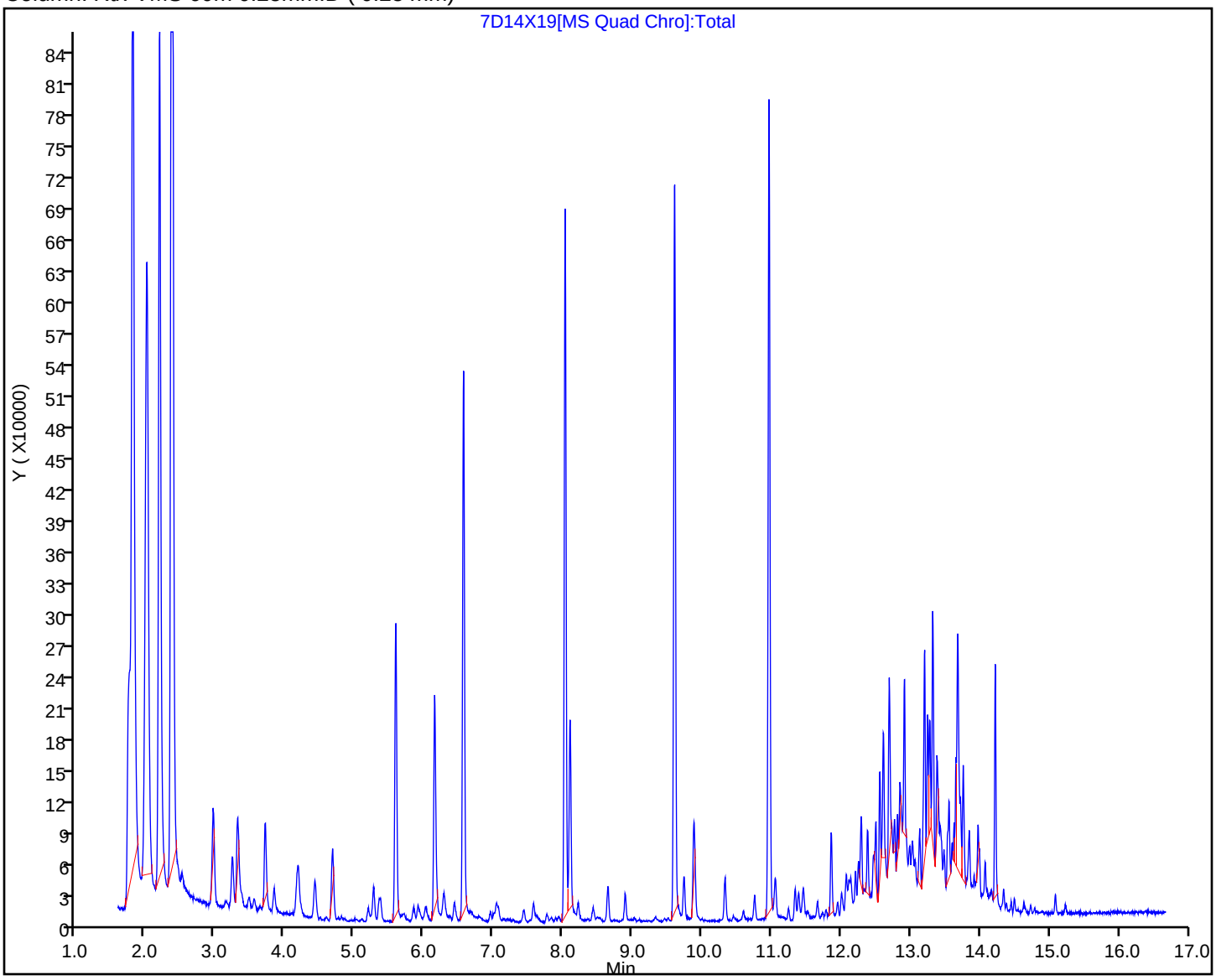
AIRIS200 ppb_00260	Amount Added:	10.00	Units: mL	Run Reagent

Report Date: 15-Dec-2023 08:40:44 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

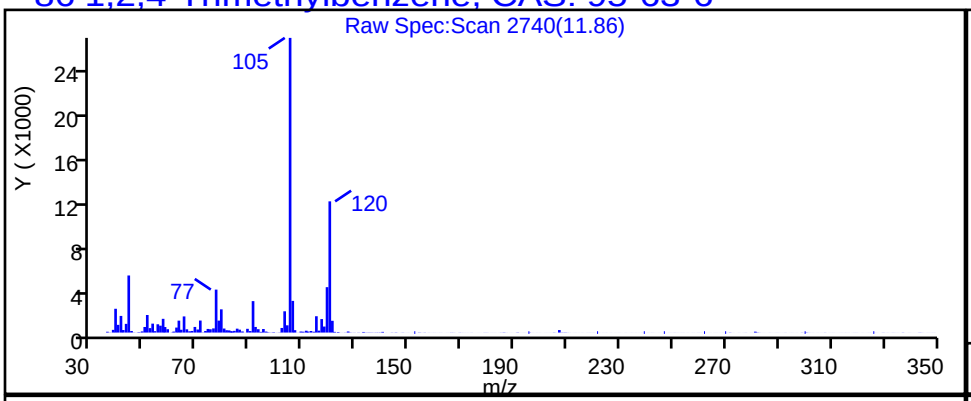
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Lims ID:	410-154614-A-3				
Client ID:	IA-1-20231212				
Sample Type:	Client				
Inject. Date:	14-Dec-2023 15:34:13	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	154614-3				
Misc. Info.:	410-0101896-019				
Operator ID:	bcb85445	Instrument ID:	HP8R004		
Method:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m				
Limit Group:	MSV - TO15				
Last Update:	15-Dec-2023 08:39:42	Calib Date:	19-Oct-2023 17:54:23		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D				
Column 1 :	Rtx-VMS 60m 0.25mmID (0.25 mm)		Det: MS Quad		
Process Host:	CTX1681				
First Level Reviewer: MLX9		Date:	15-Dec-2023 08:32:36		

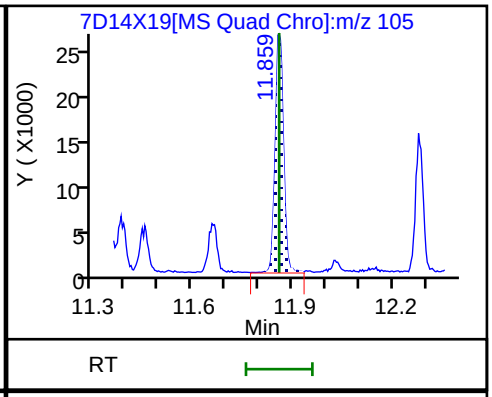
Compound	Amount Added	Amount Recovered	% Rec.

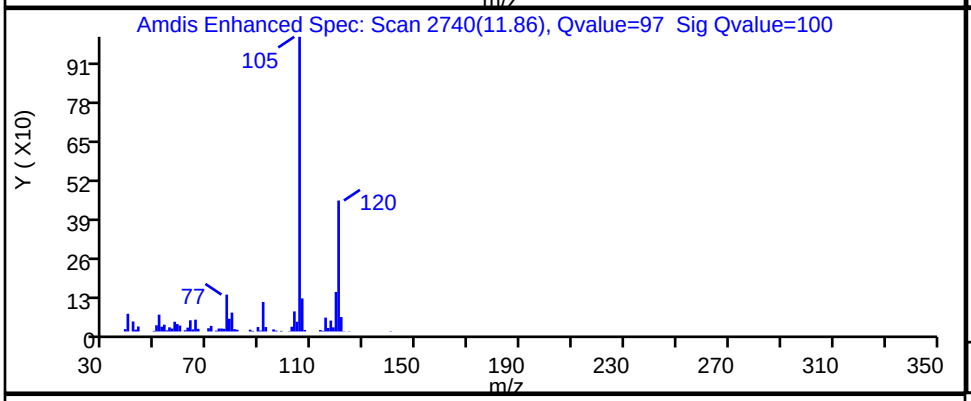
Eurofins Lancaster Laboratories Environment Testing, LLC

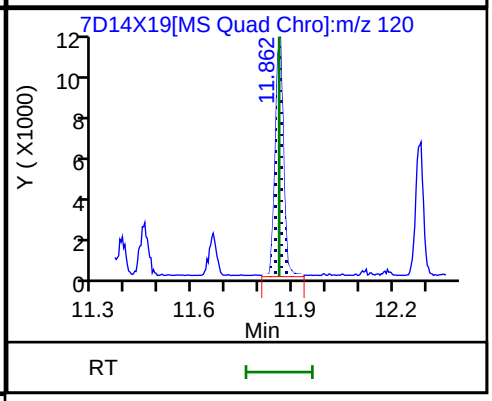
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Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

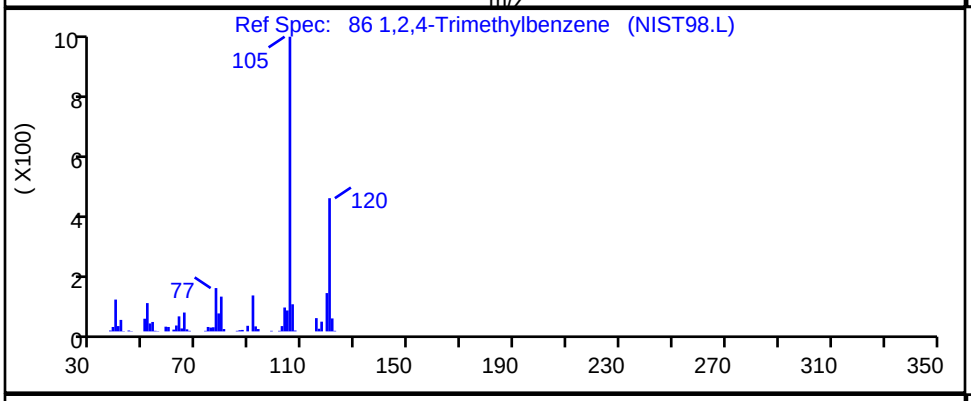
86 1,2,4-Trimethylbenzene, CAS: 95-63-6

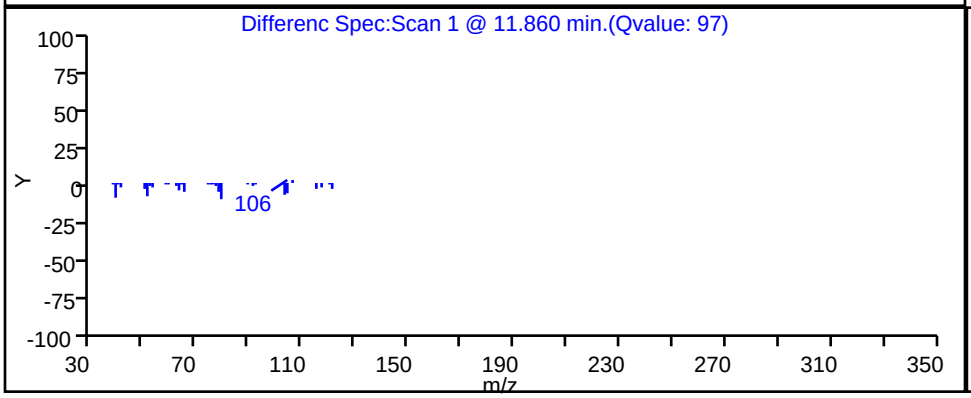


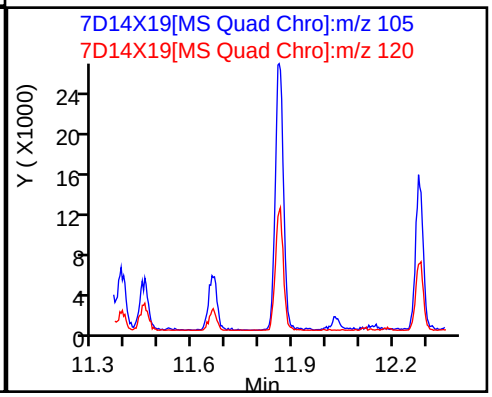








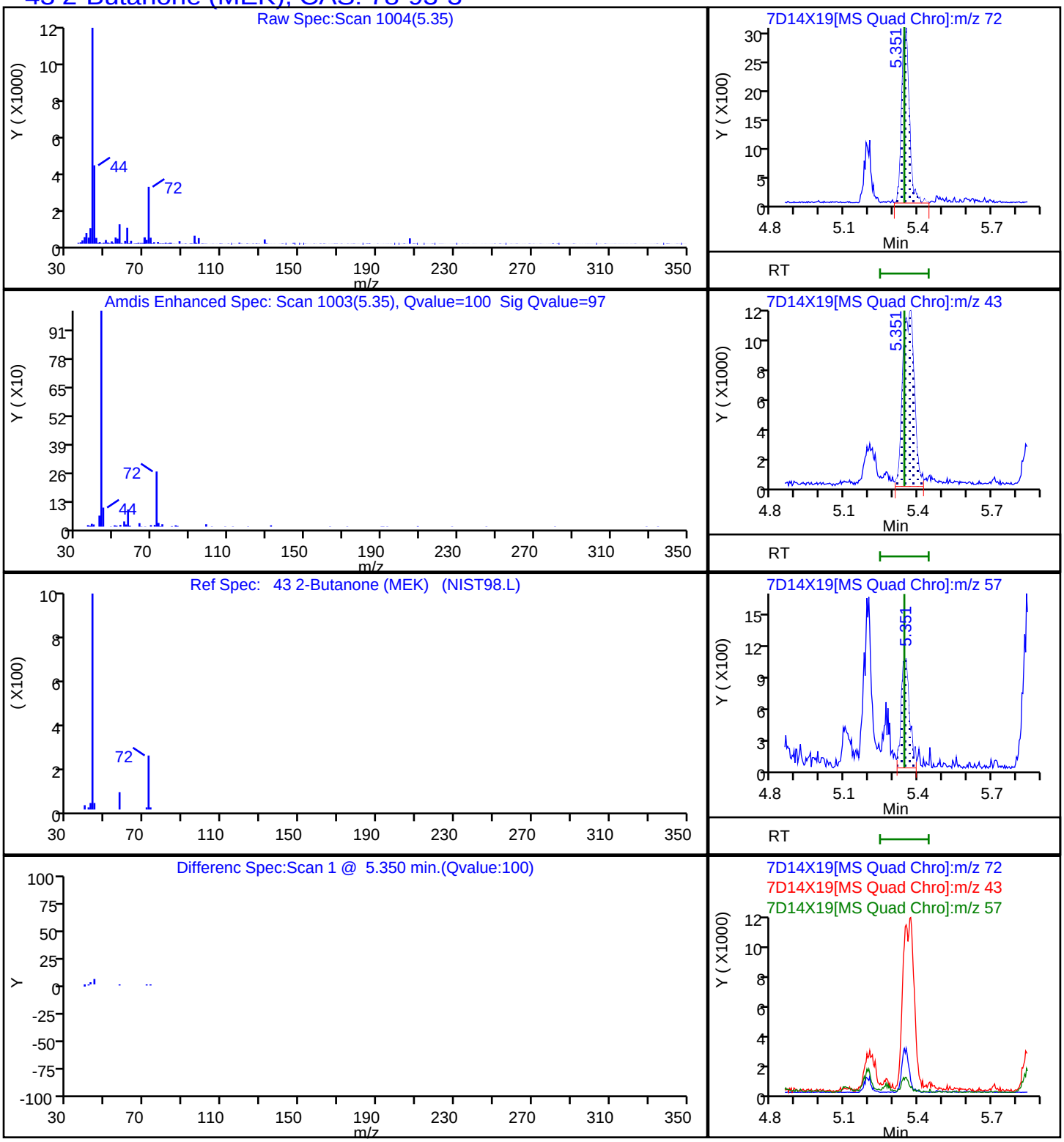




Eurofins Lancaster Laboratories Environment Testing, LLC

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Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

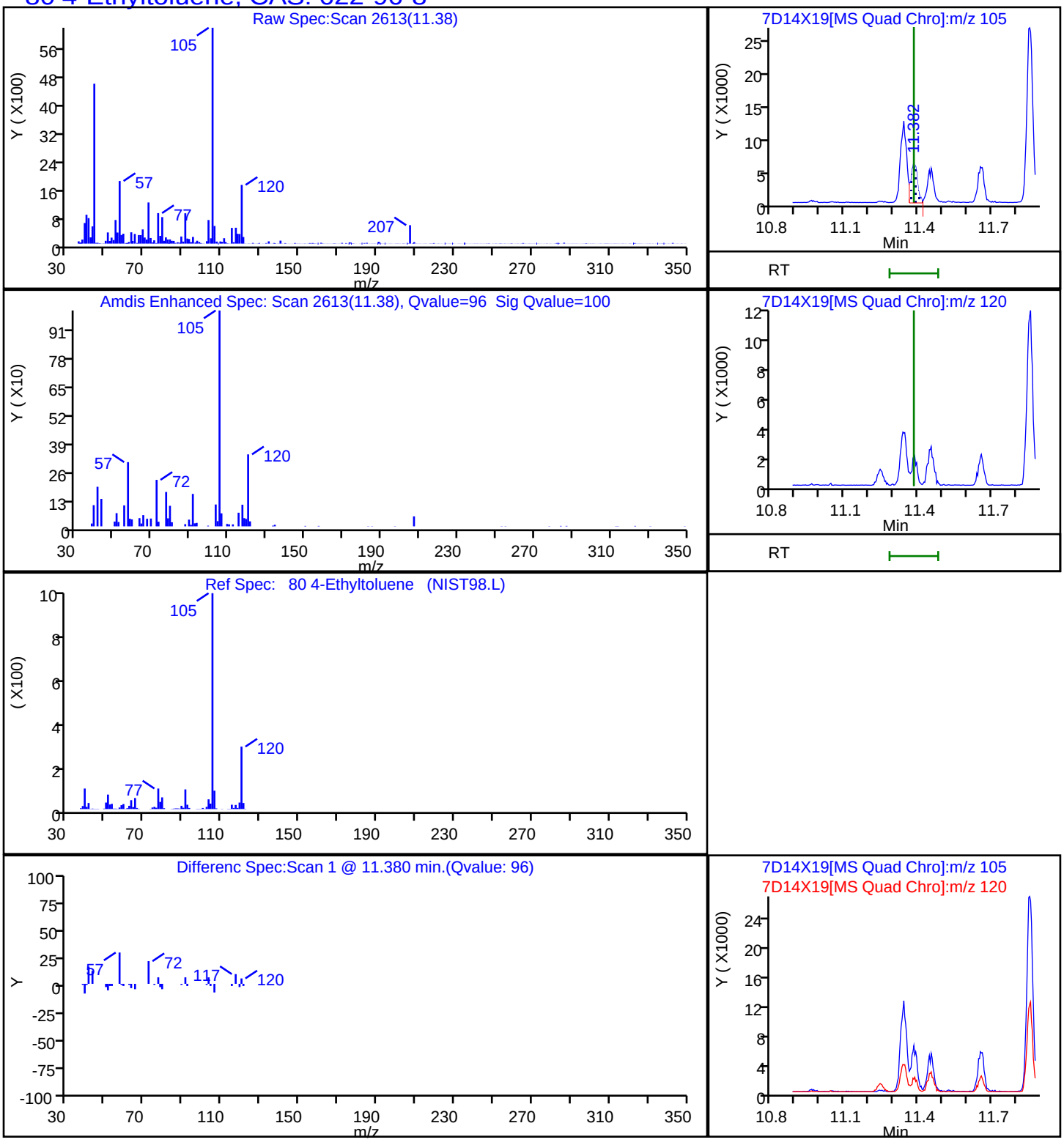
43 2-Butanone (MEK), CAS: 78-93-3



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
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Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

80 4-Ethyltoluene, CAS: 622-96-8

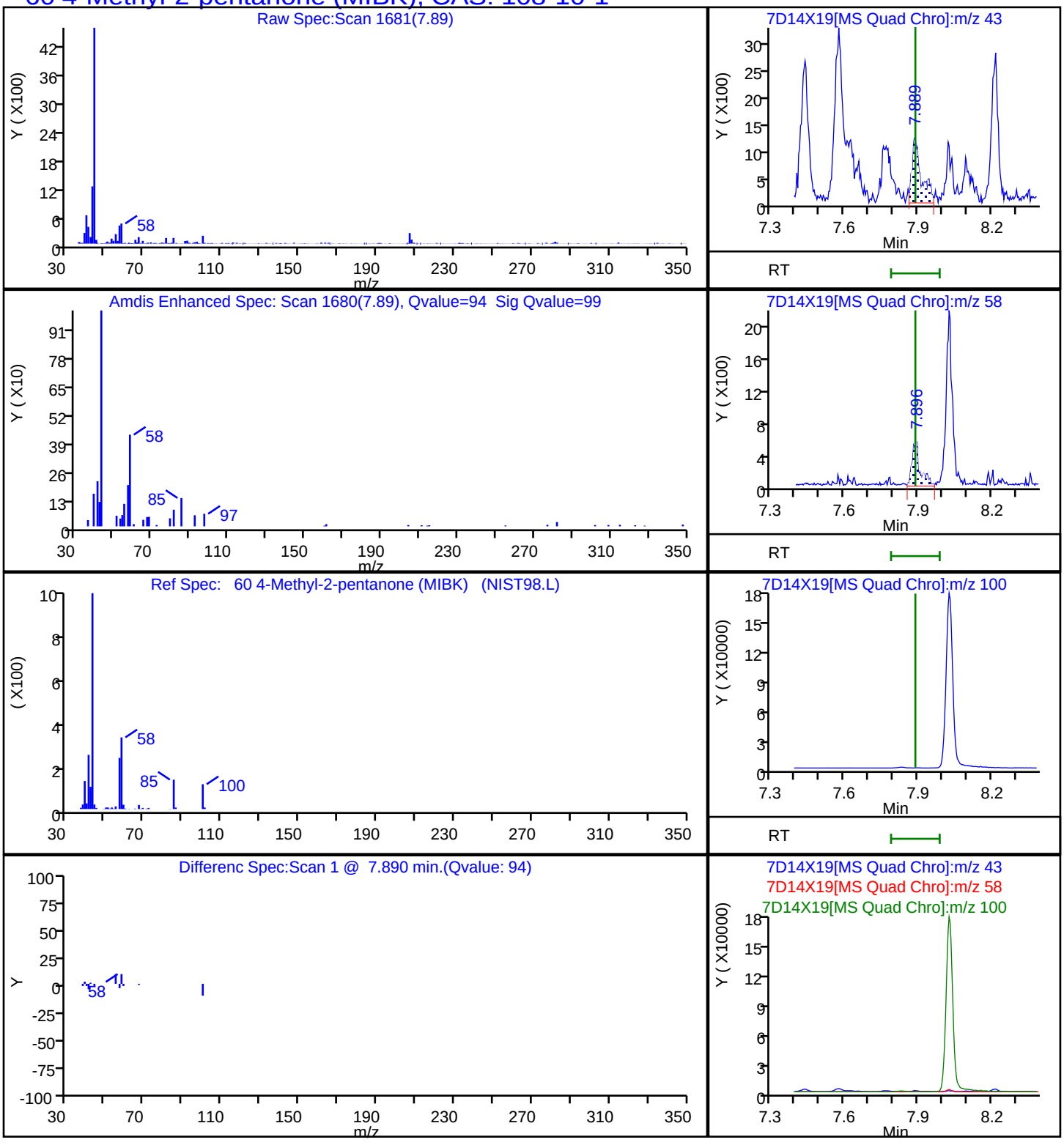


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Eurofins Lancaster Laboratories Environment Testing, LLC

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Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

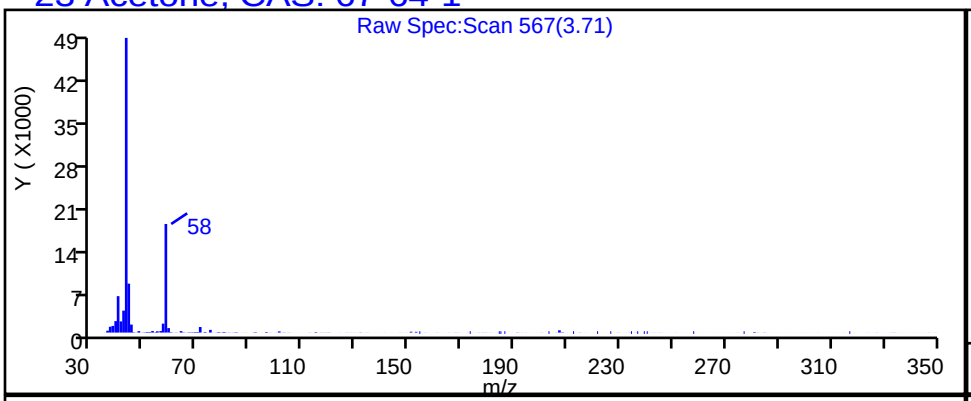
60 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

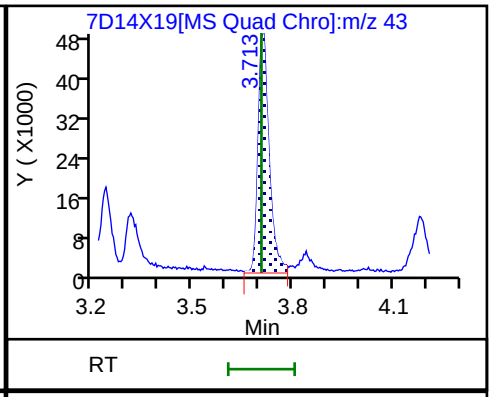


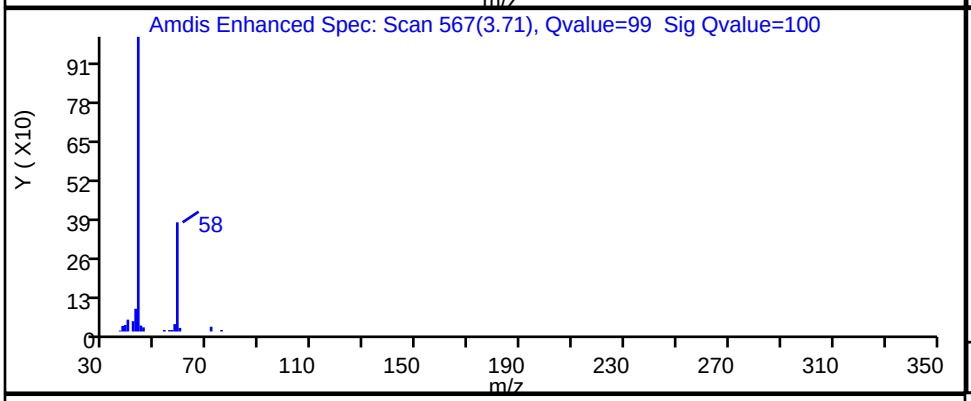
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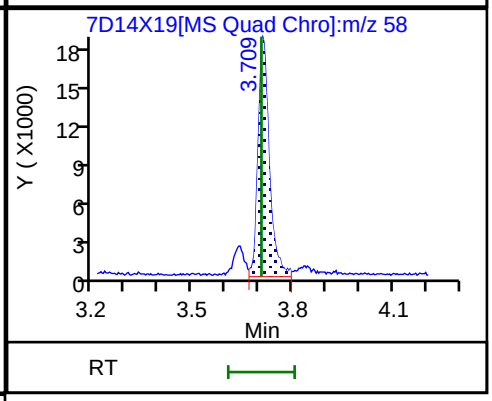
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Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

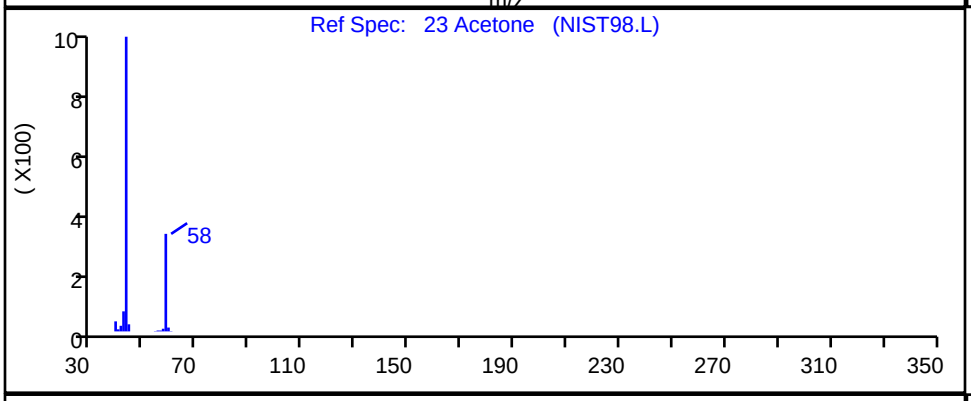
23 Acetone, CAS: 67-64-1

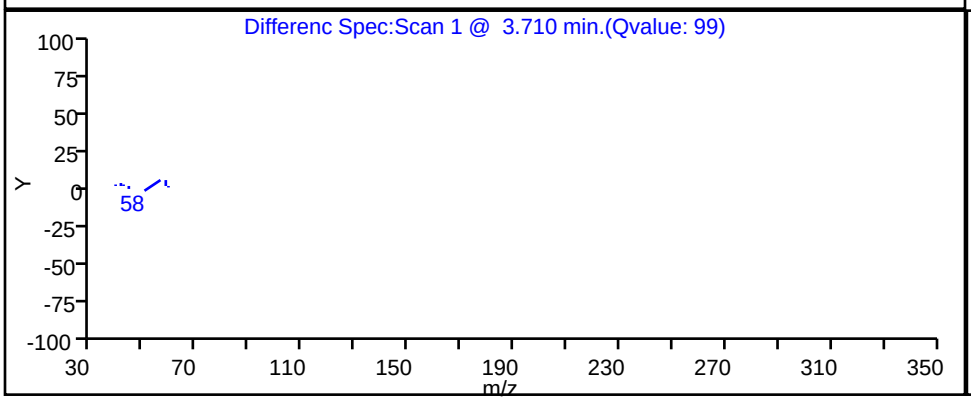


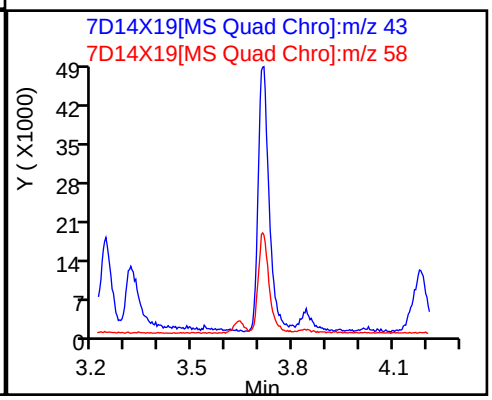








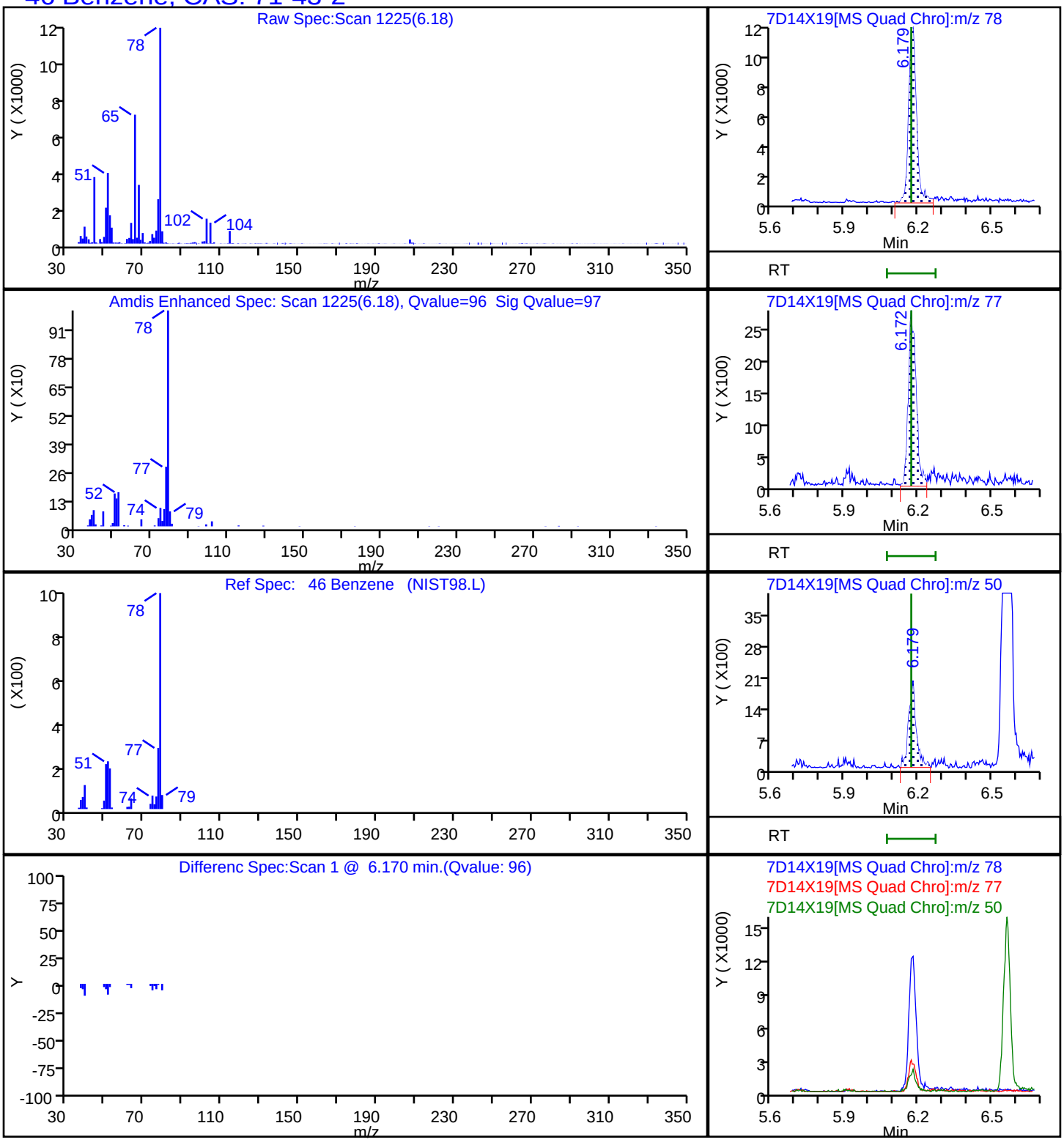




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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
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Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

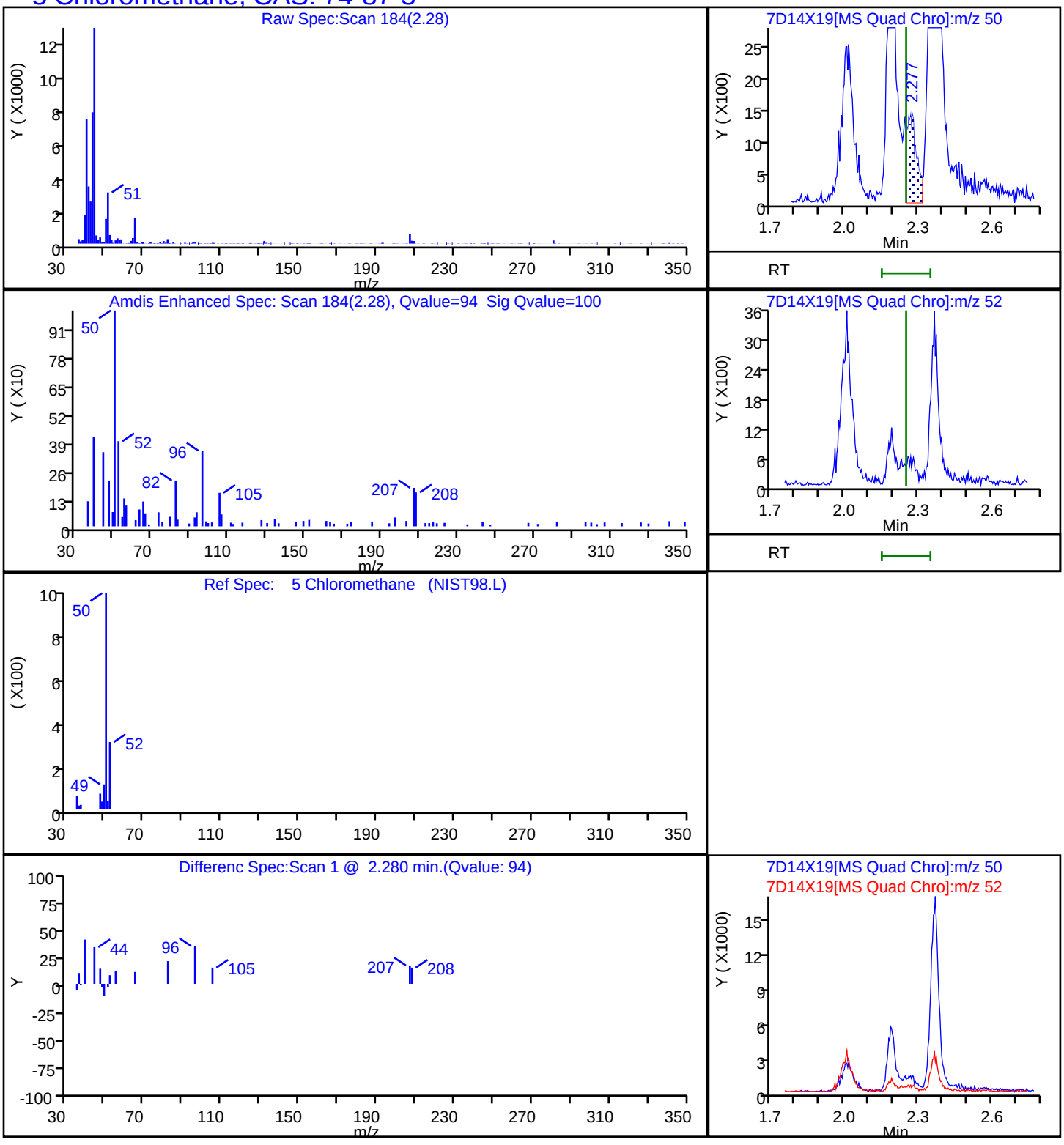
46 Benzene, CAS: 71-43-2



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
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Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

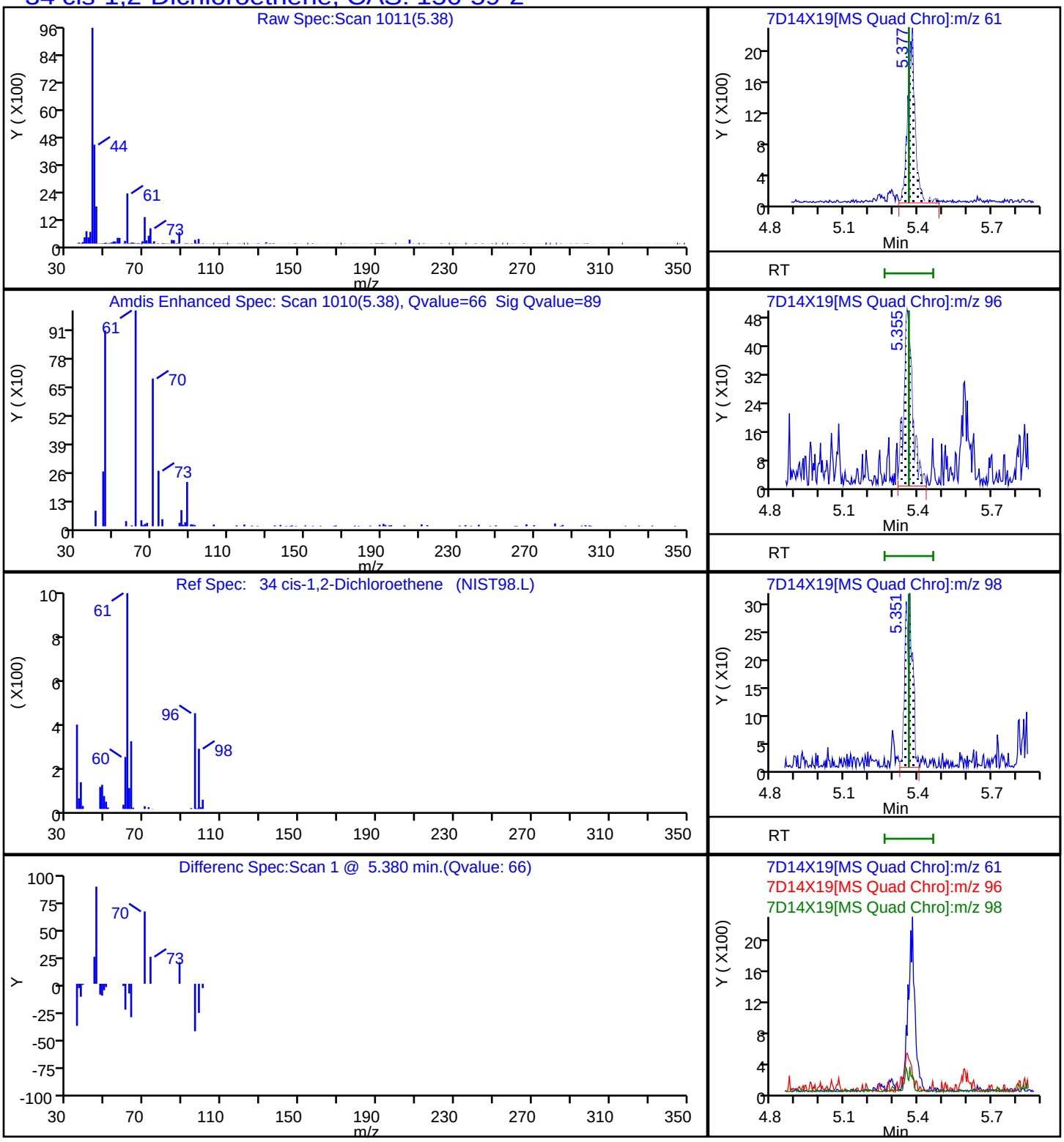
5 Chloromethane, CAS: 74-87-3



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
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Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

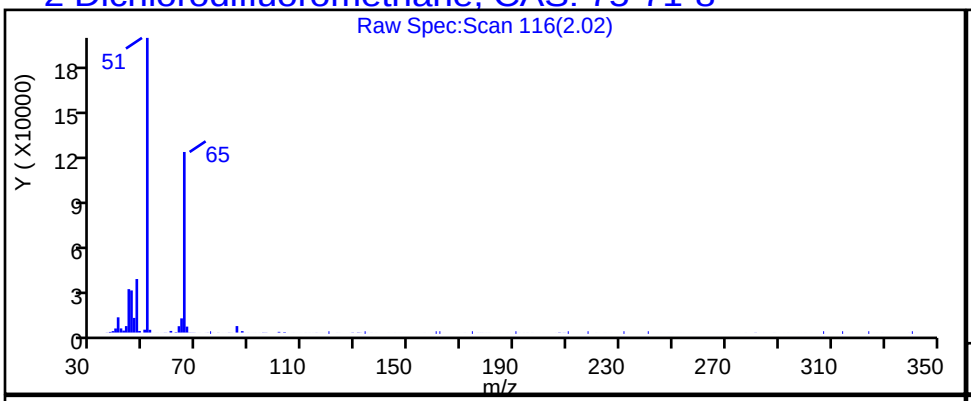
34 cis-1,2-Dichloroethene, CAS: 156-59-2

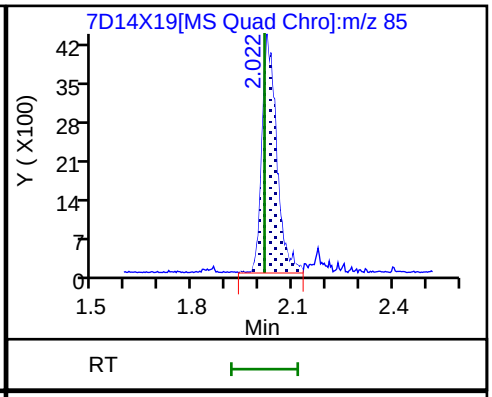


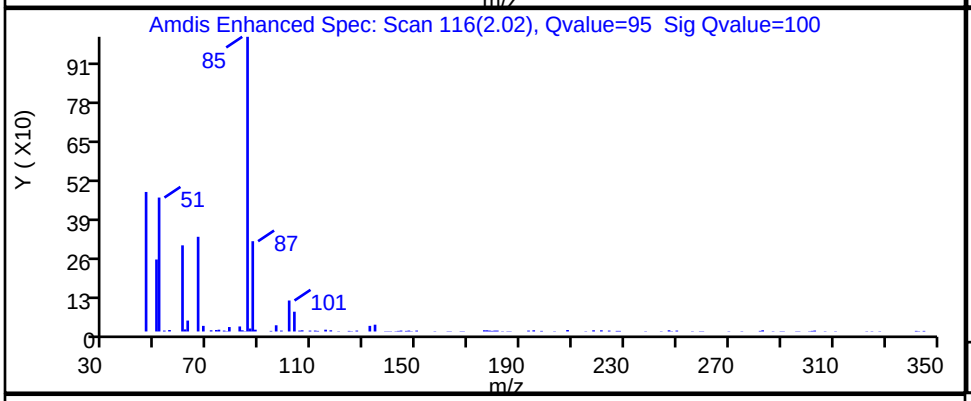
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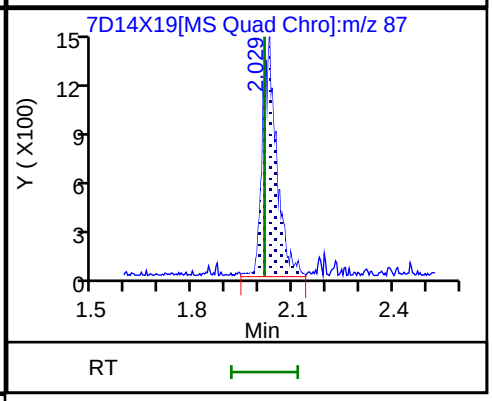
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Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

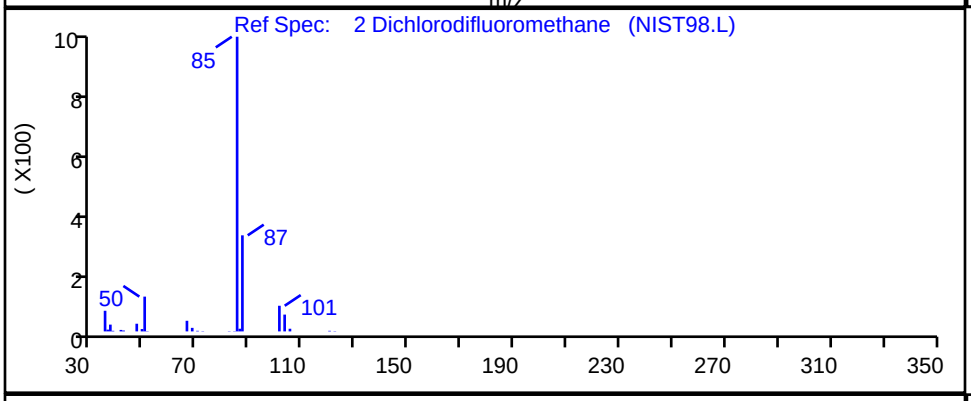
2 Dichlorodifluoromethane, CAS: 75-71-8

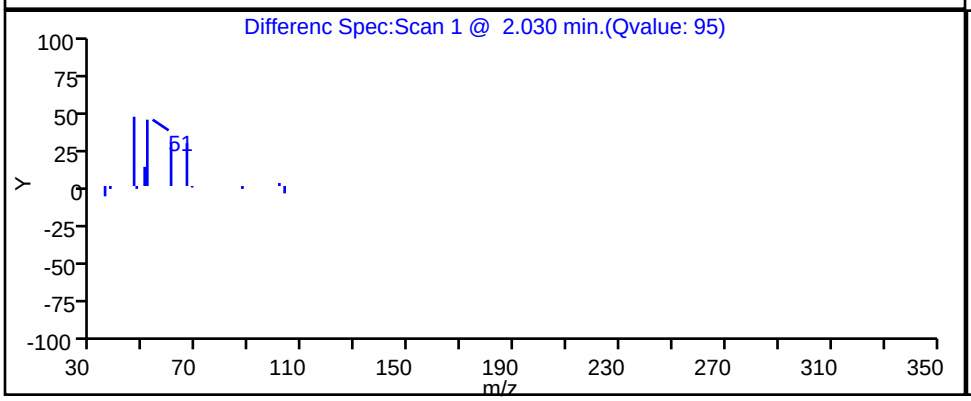


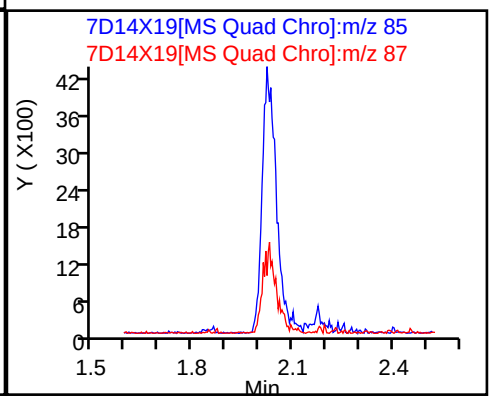








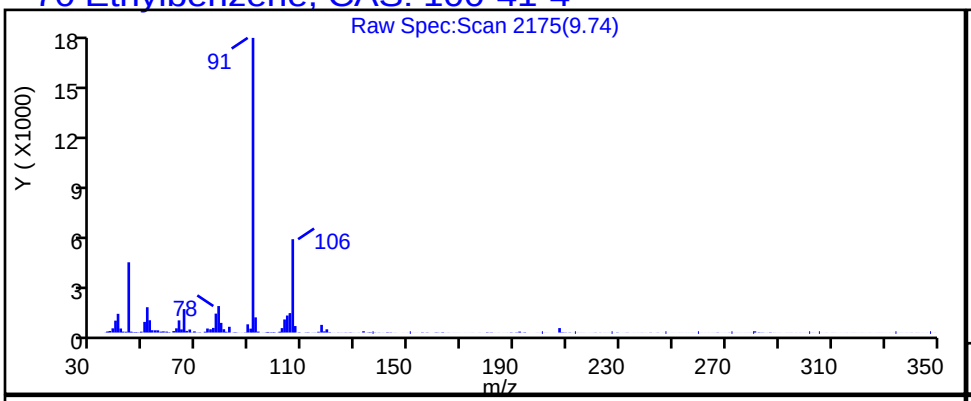


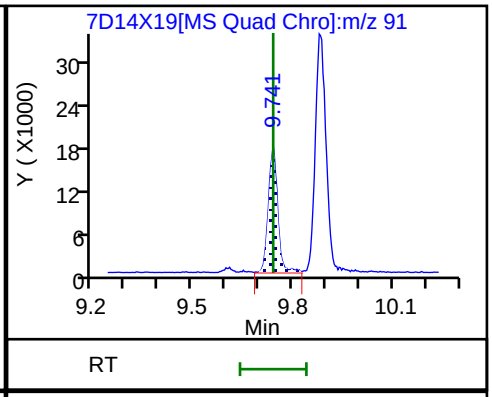


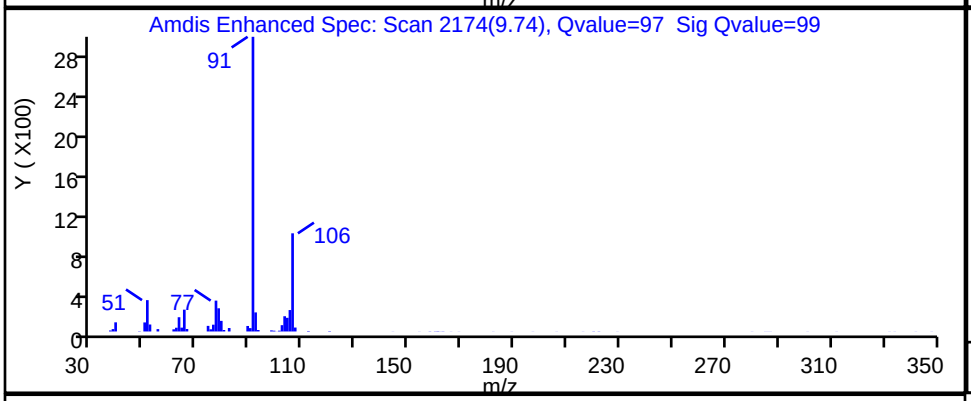
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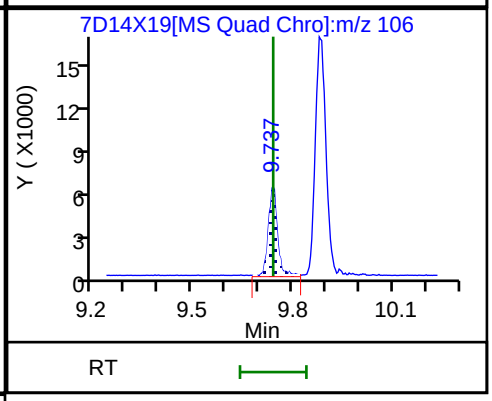
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Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

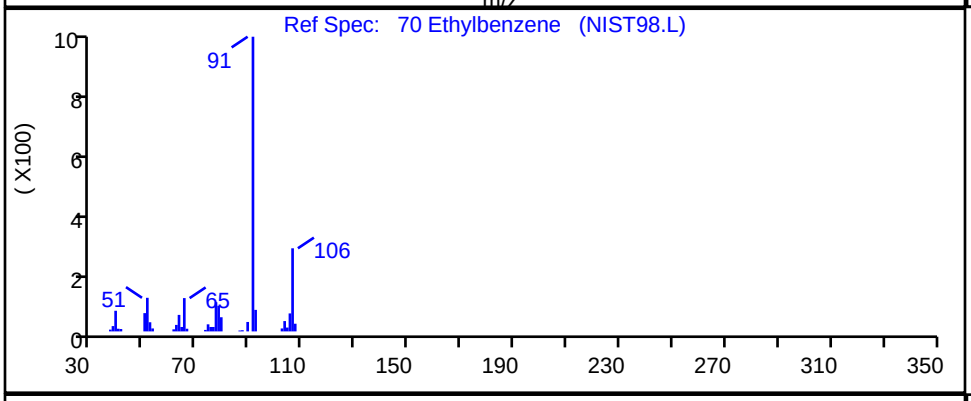
70 Ethylbenzene, CAS: 100-41-4

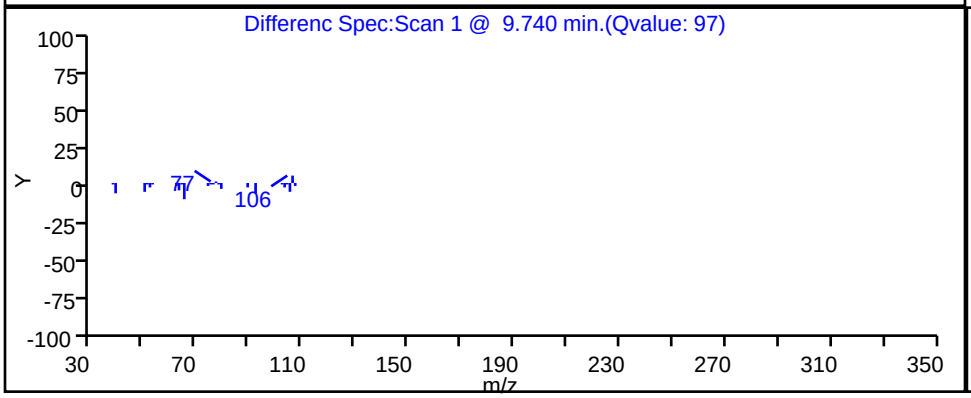


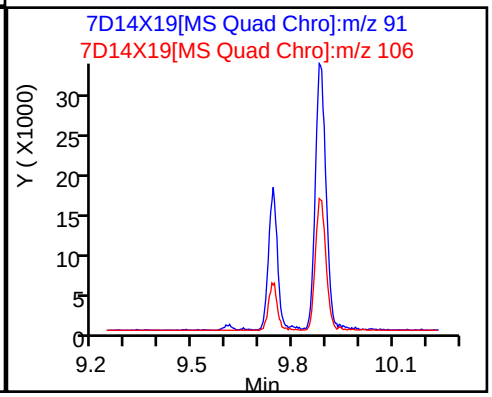








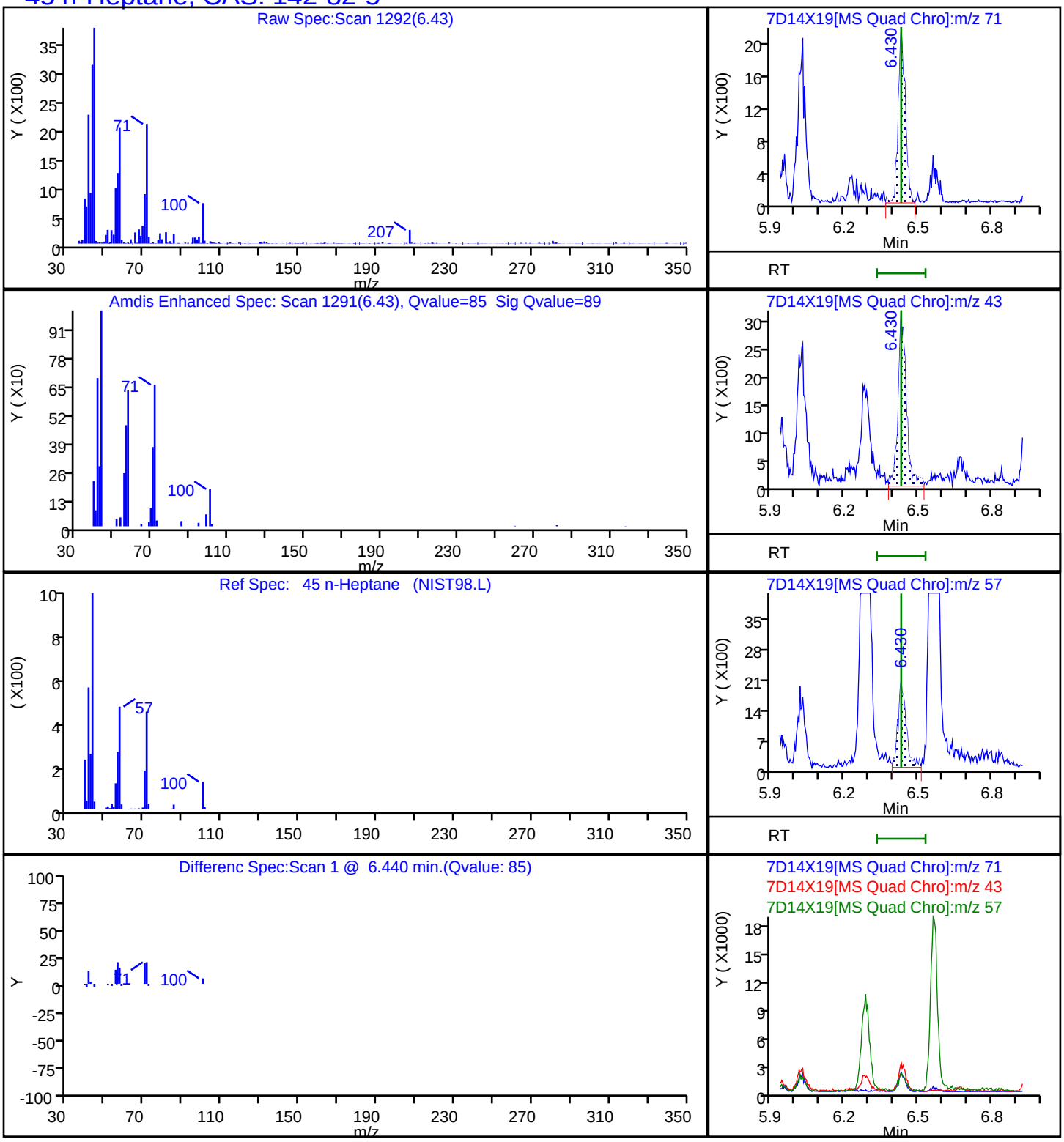




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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
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Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

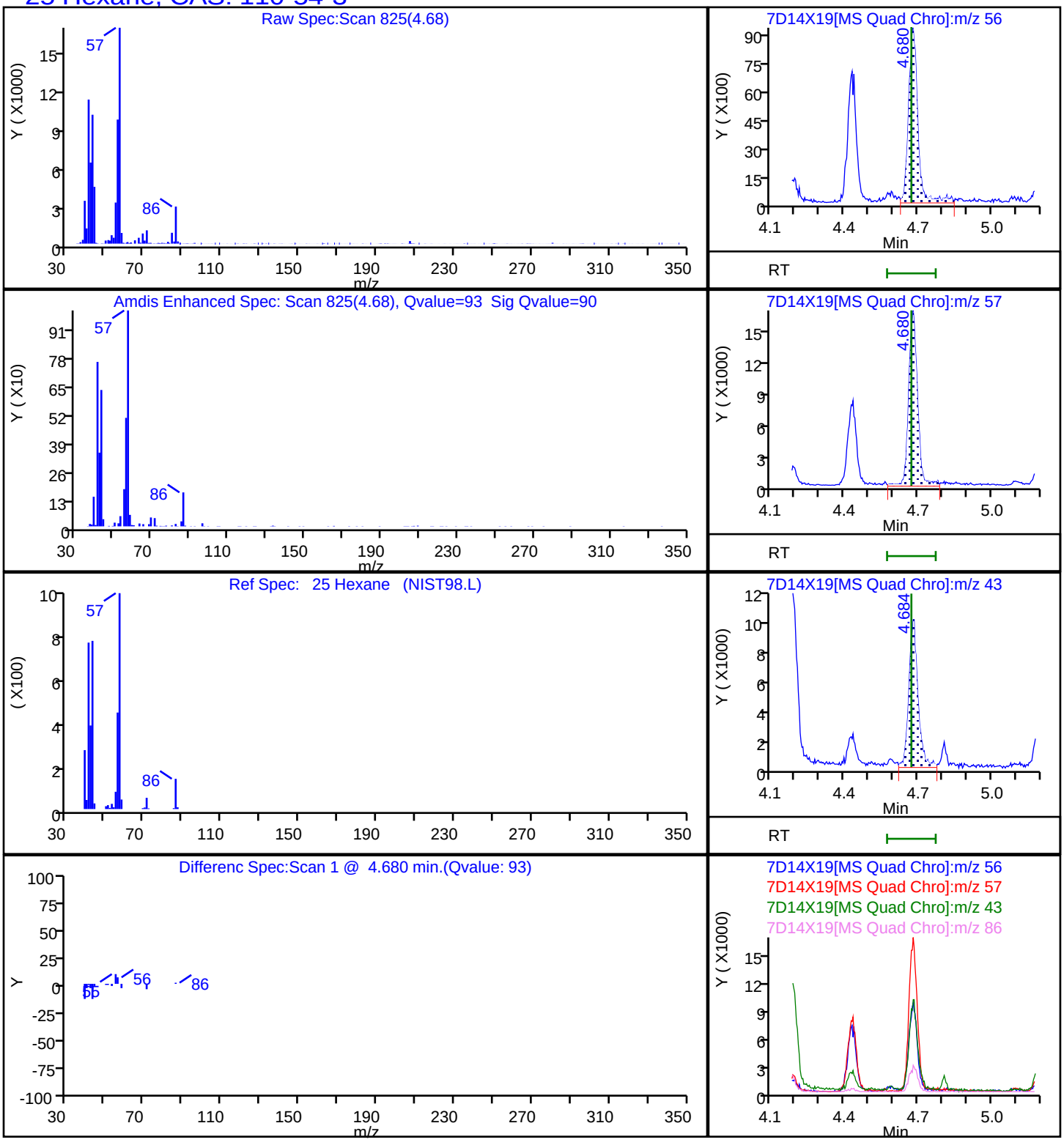
45 n-Heptane, CAS: 142-82-5



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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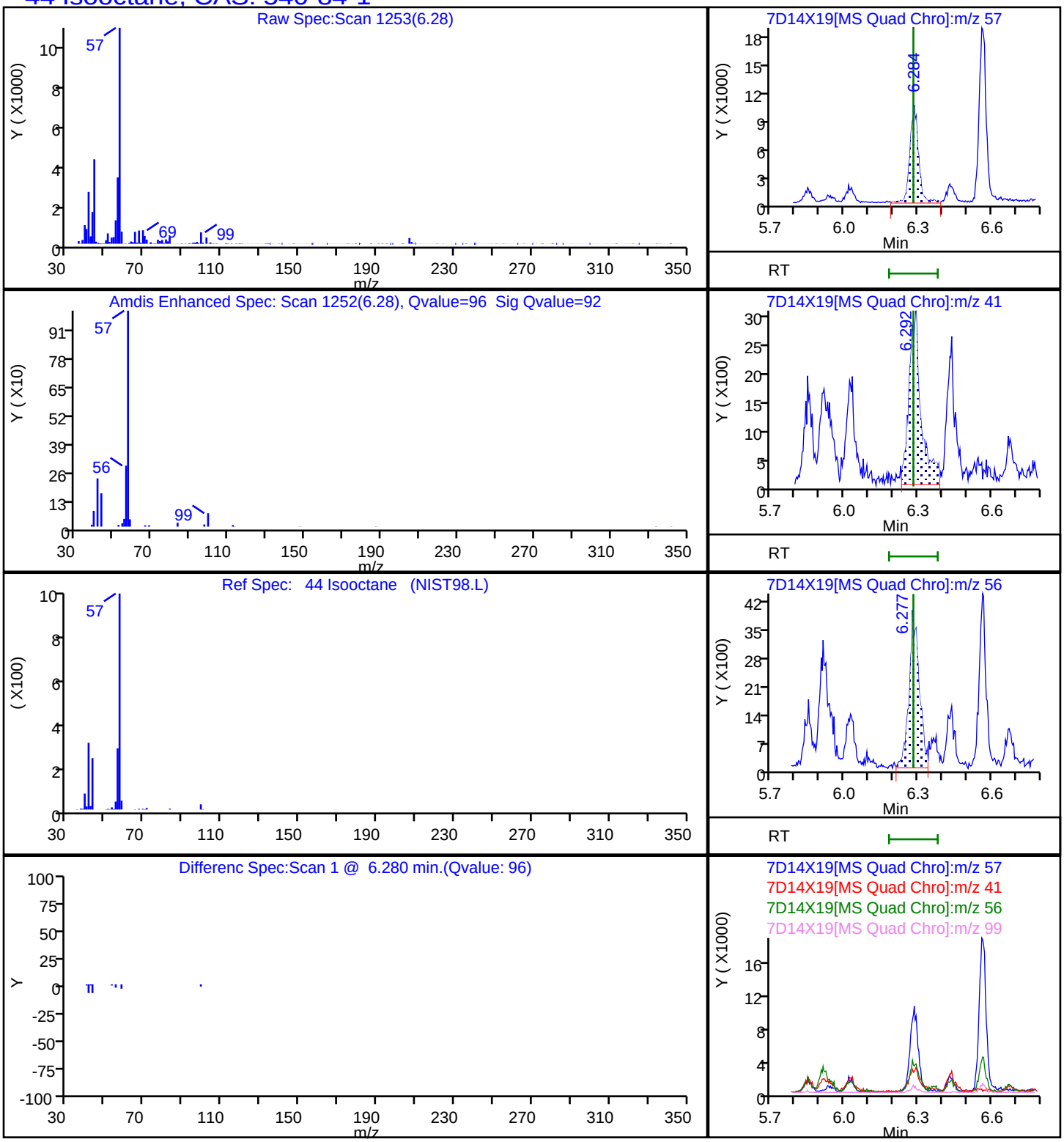
25 Hexane, CAS: 110-54-3



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
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Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

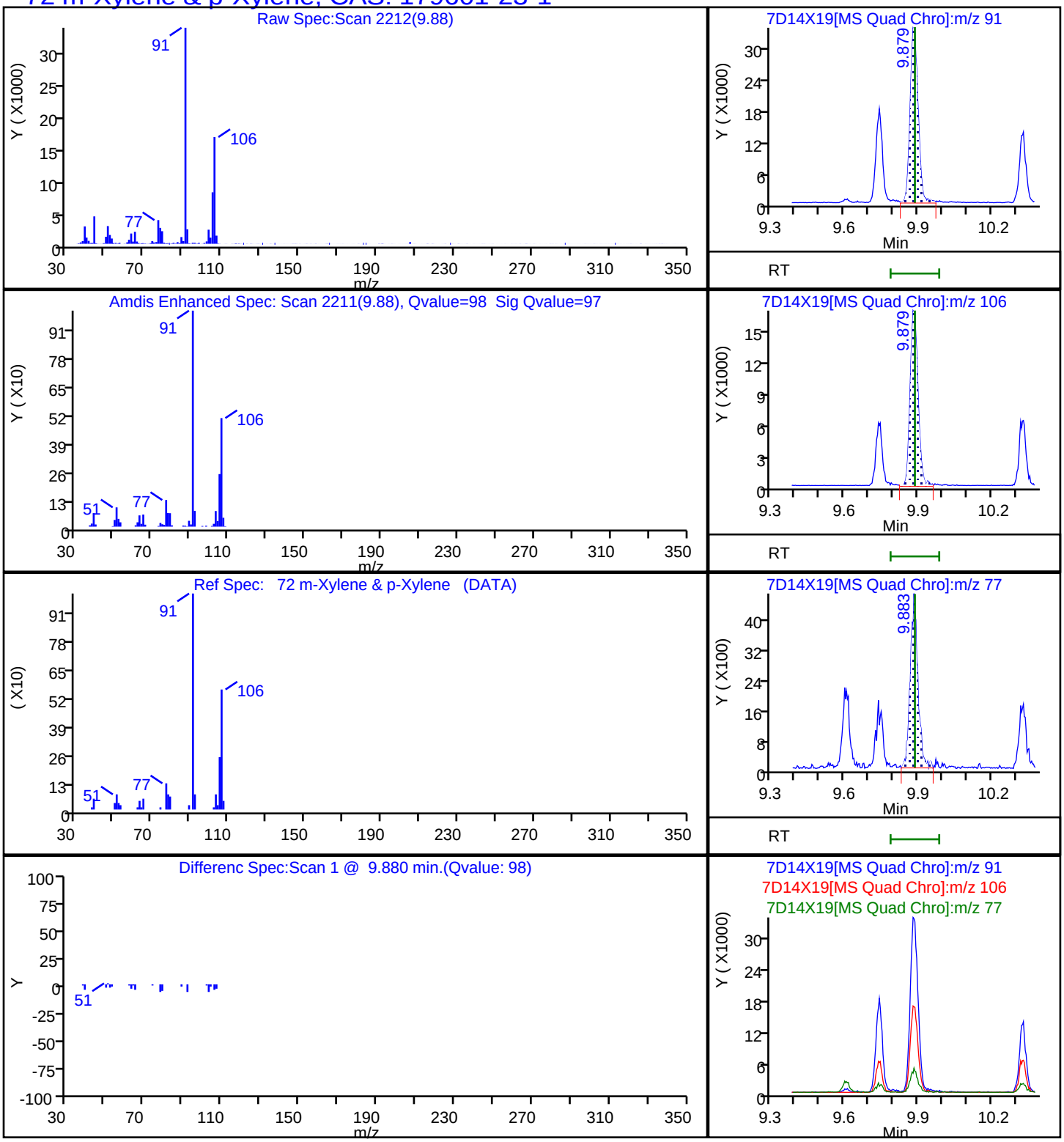
44 Isooctane, CAS: 540-84-1



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
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Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

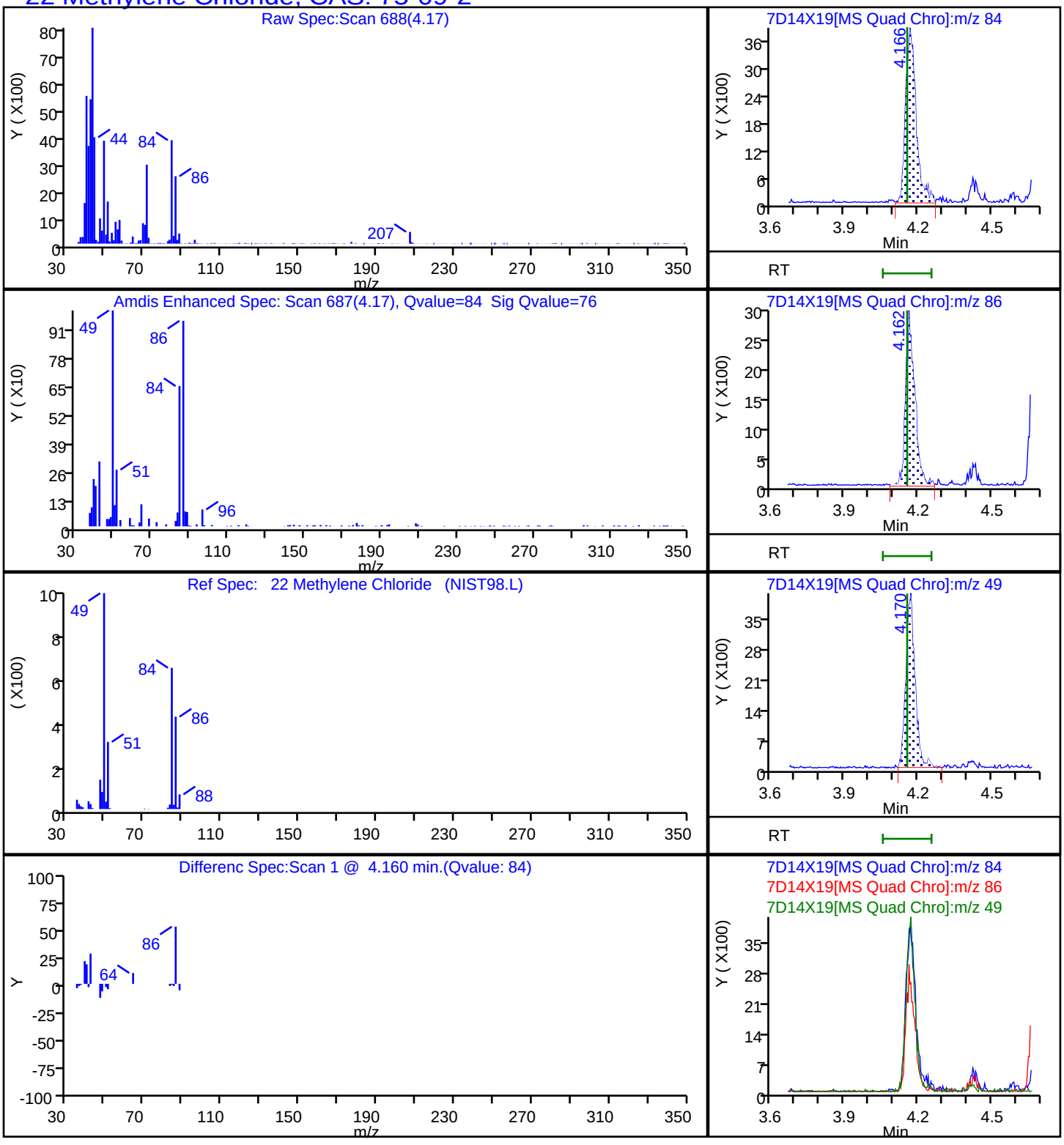
72 m-Xylene & p-Xylene, CAS: 179601-23-1



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Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
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Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
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Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

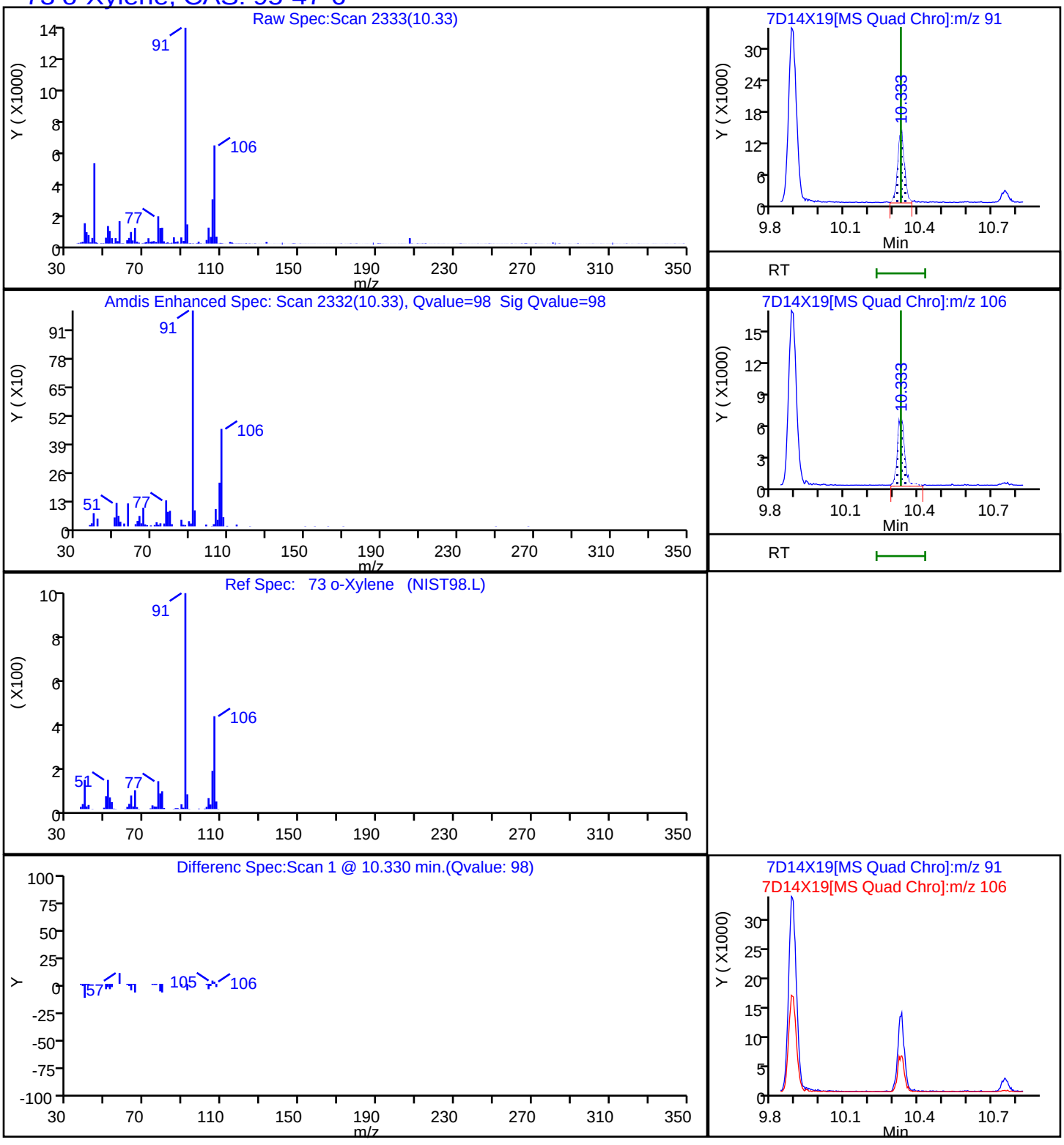
22 Methylene Chloride, CAS: 75-09-2



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Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

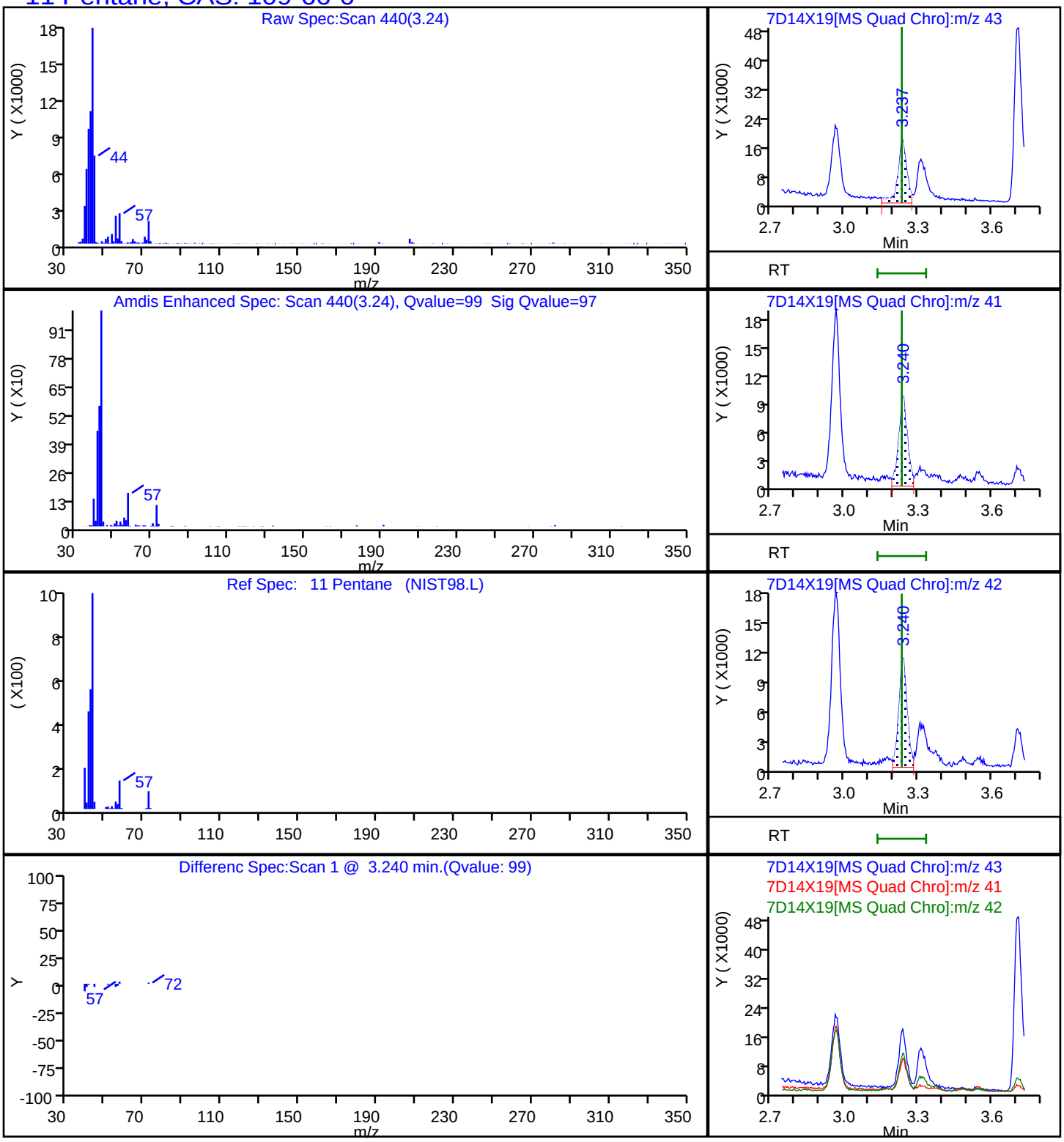
73 o-Xylene, CAS: 95-47-6



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

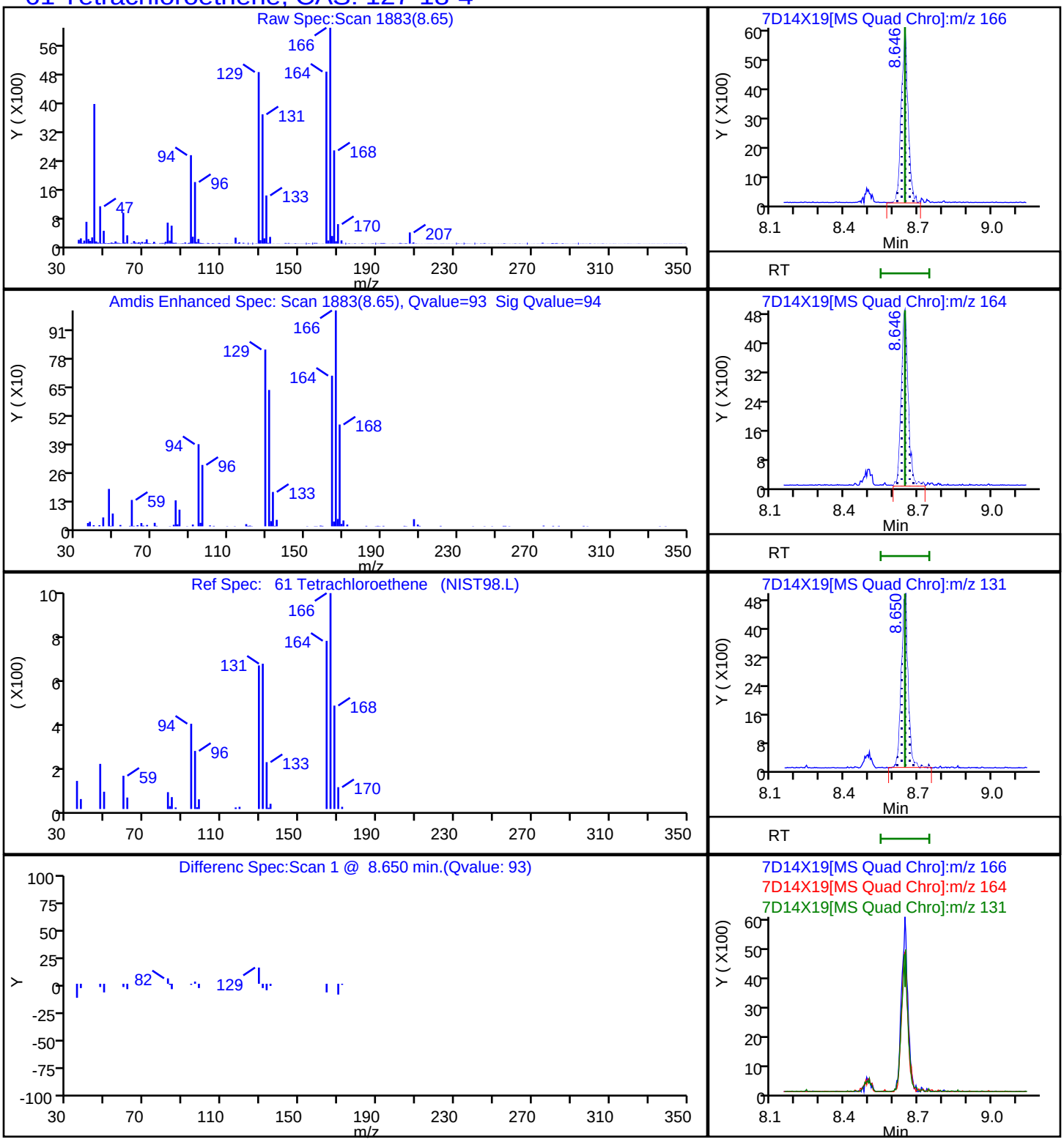
11 Pentane, CAS: 109-66-0



Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

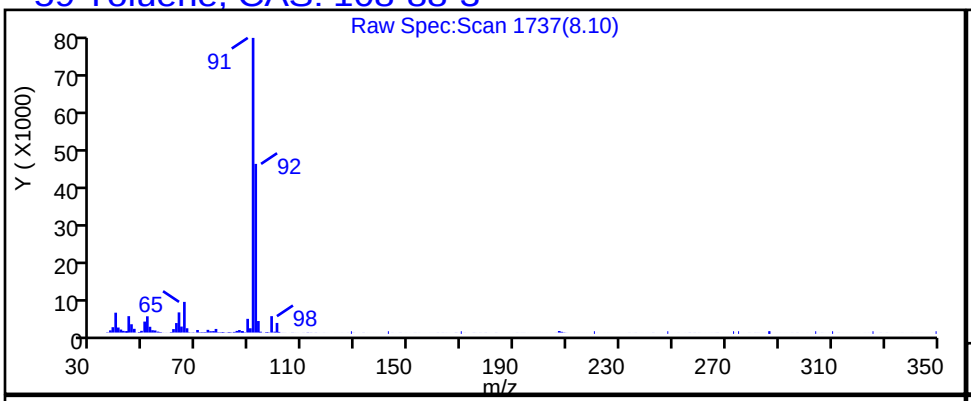
61 Tetrachloroethene, CAS: 127-18-4

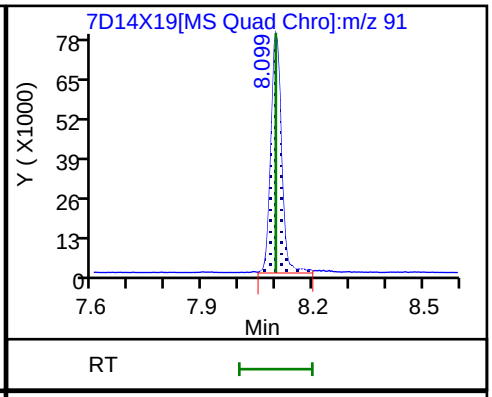


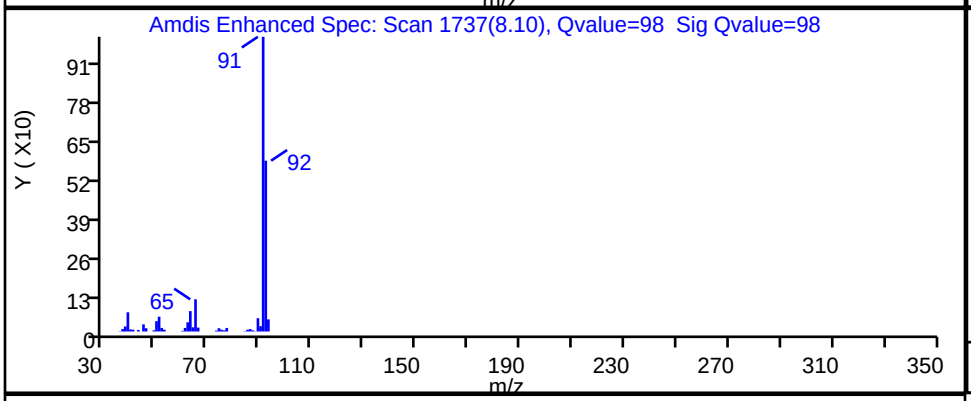
Eurofins Lancaster Laboratories Environment Testing, LLC

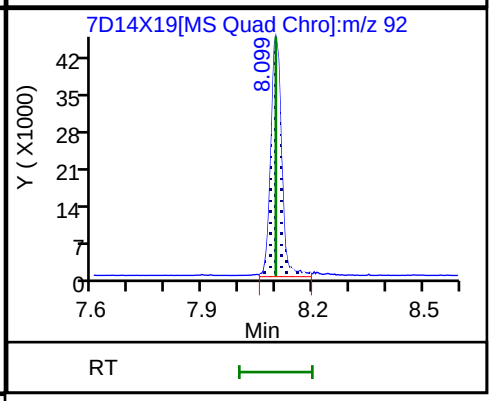
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Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

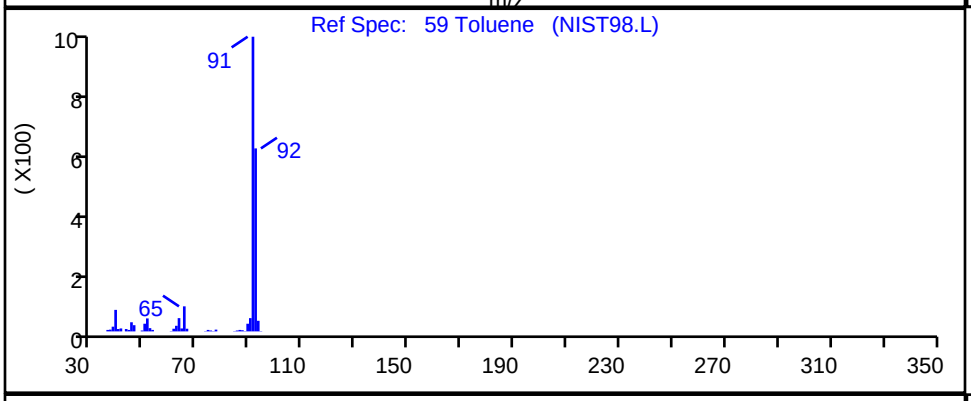
59 Toluene, CAS: 108-88-3

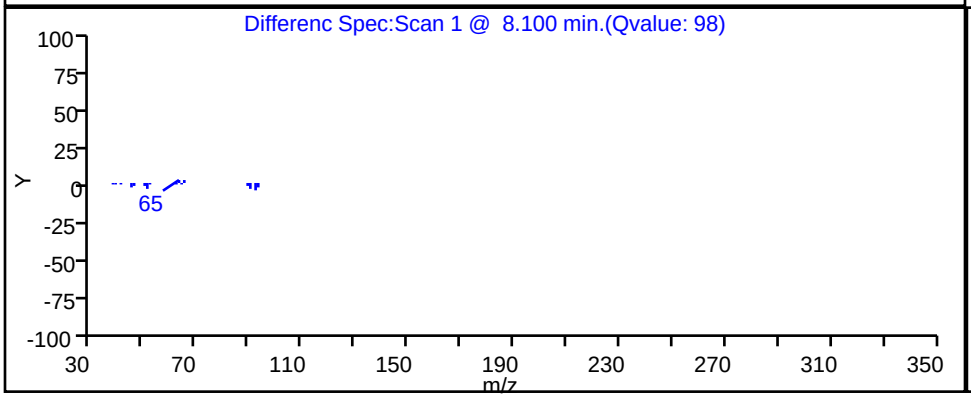


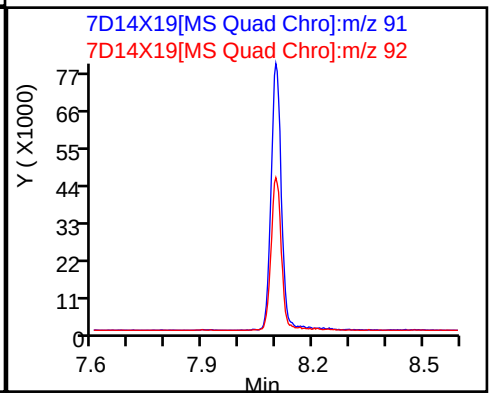










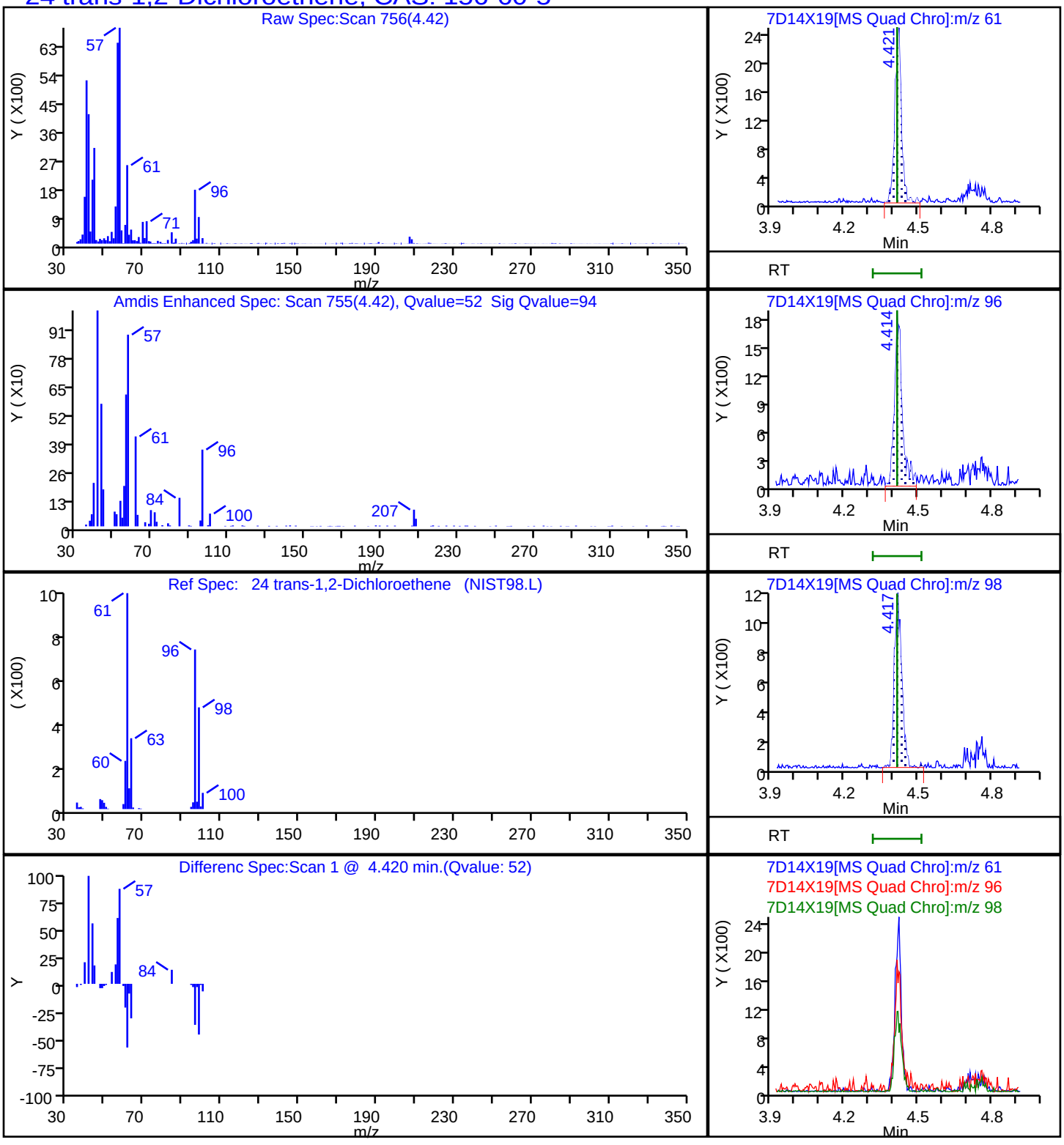


Report Date: 15-Dec-2023 08:40:45 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

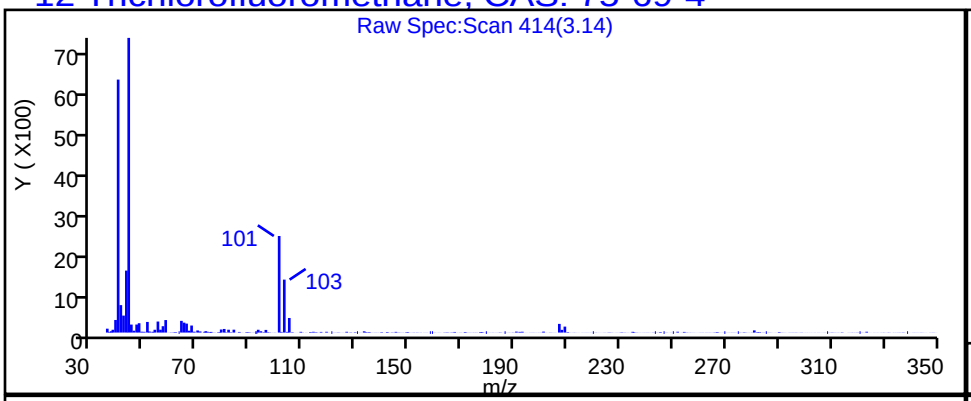
24 trans-1,2-Dichloroethene, CAS: 156-60-5

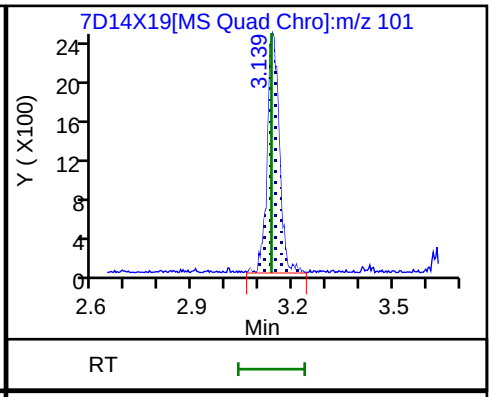


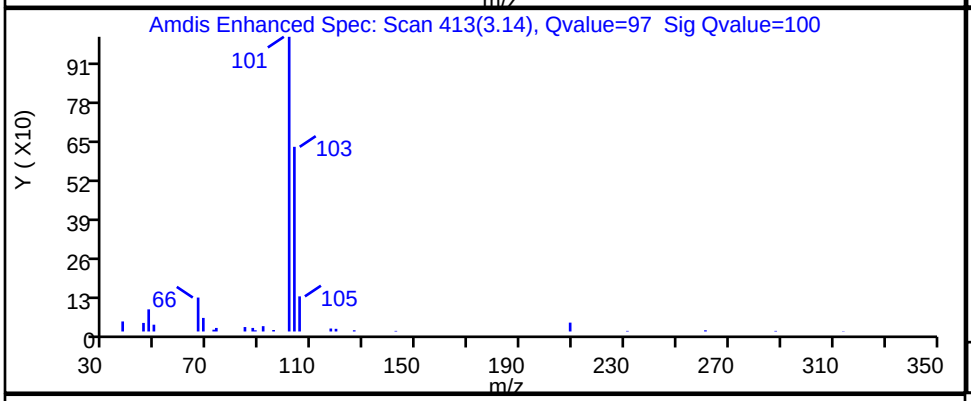
Eurofins Lancaster Laboratories Environment Testing, LLC

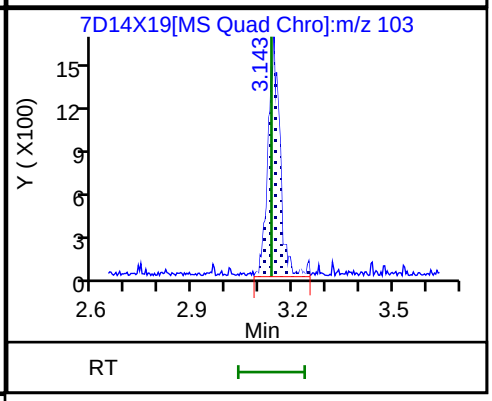
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Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

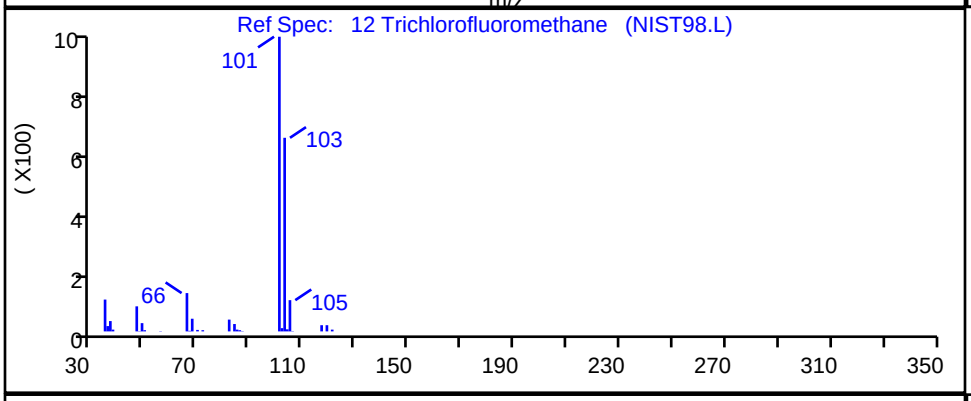
12 Trichlorofluoromethane, CAS: 75-69-4

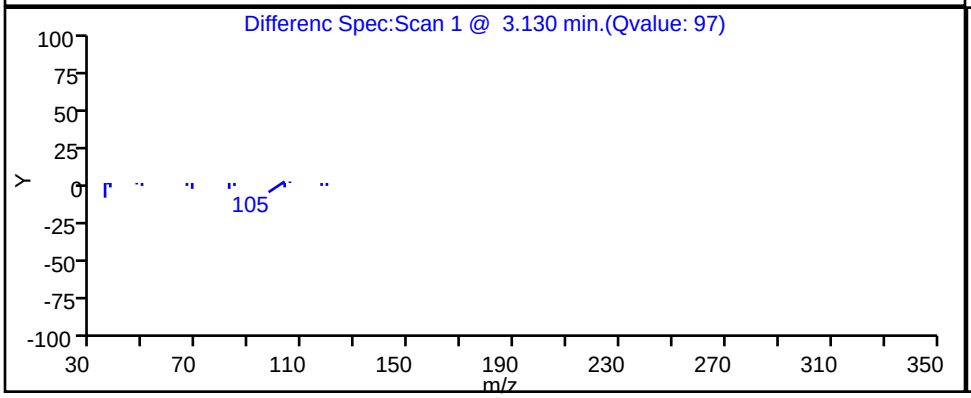


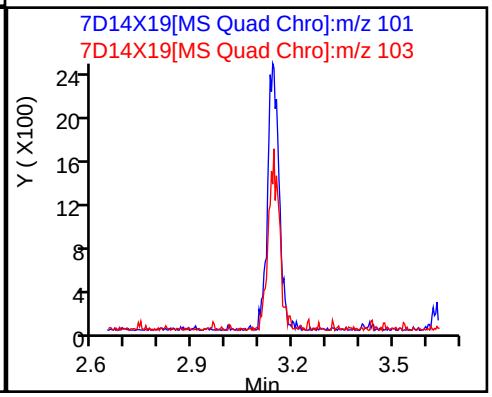












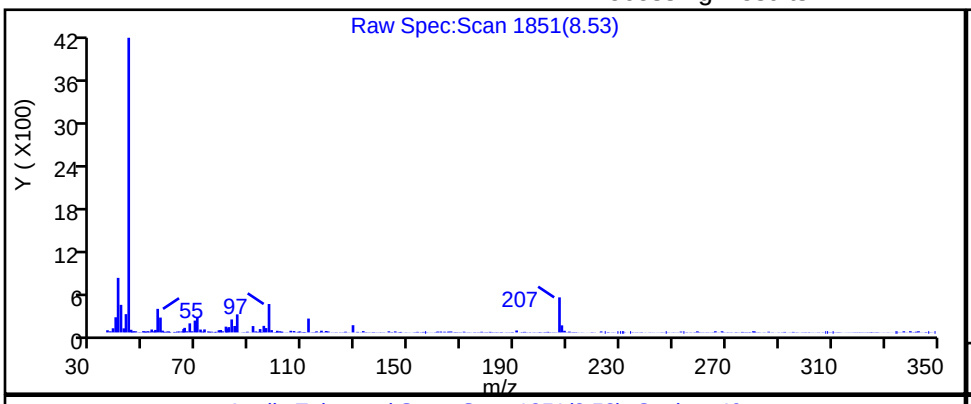
User Disabled Compound Report

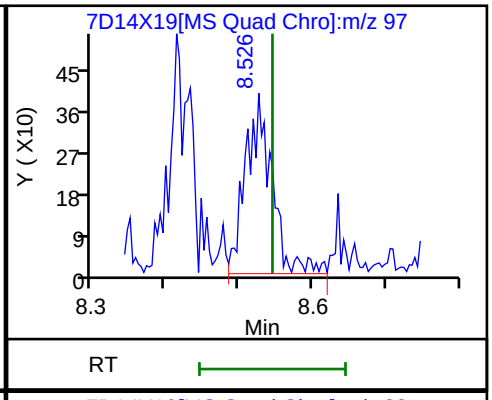
Eurofins Lancaster Laboratories Environment Testing, LLC

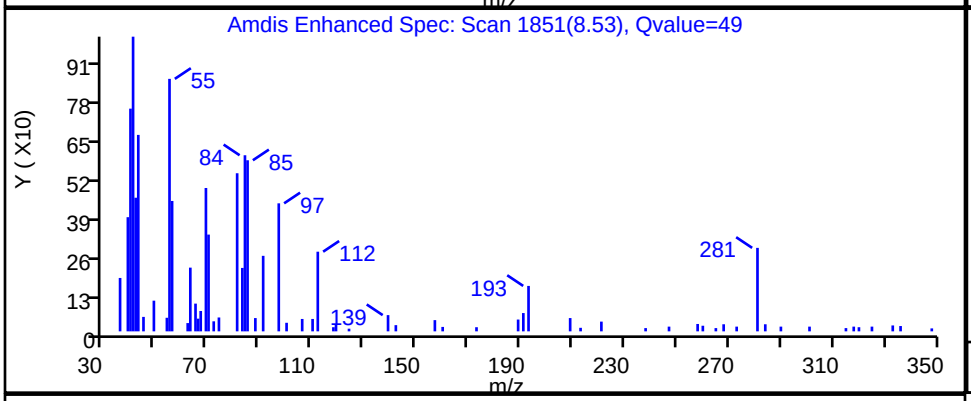
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Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

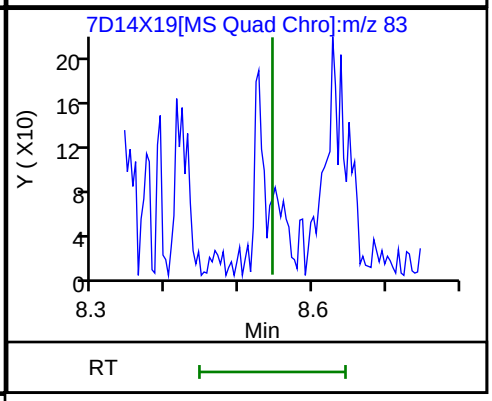
64 1,1,2-Trichloroethane, CAS: 79-00-5

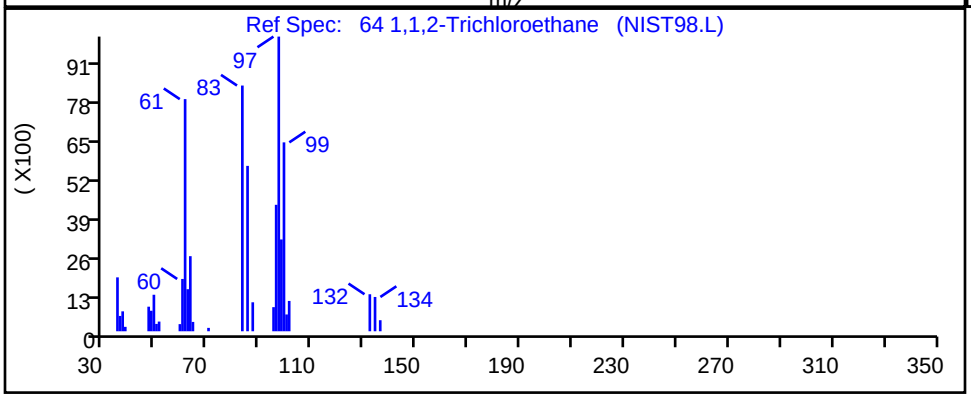
Processing Results











RT	Mass	Response	Amount
8.53	97.00	975	0.060526
8.54	83.00	0	

Reviewer: MLX9, 15-Dec-2023 08:32:17 -05:00:00 (UTC)

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

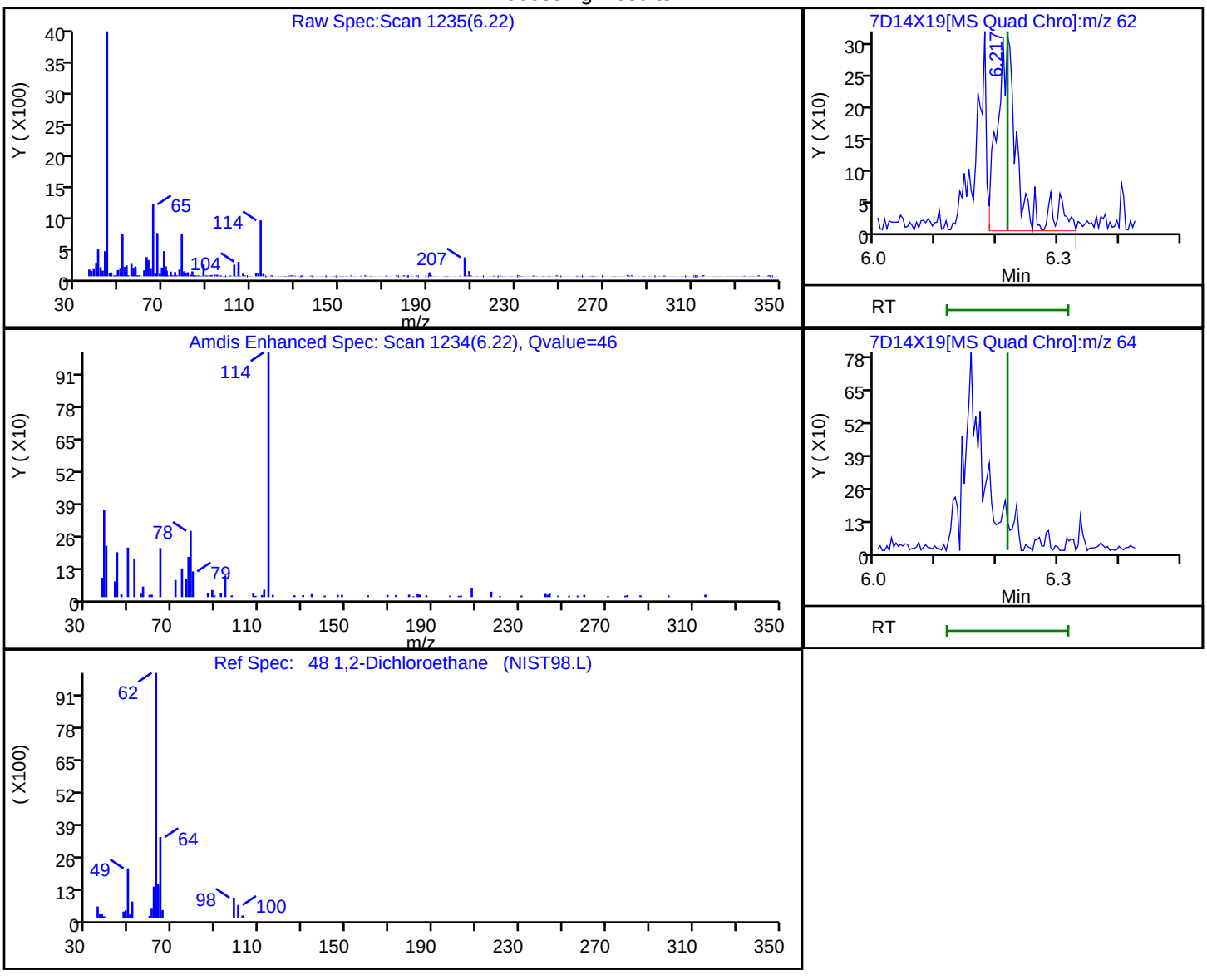
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

48 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
6.22	62.00	699	0.042919
6.22	64.00	0	

Reviewer: MLX9, 15-Dec-2023 08:31:56 -05:00:00 (UTC)

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

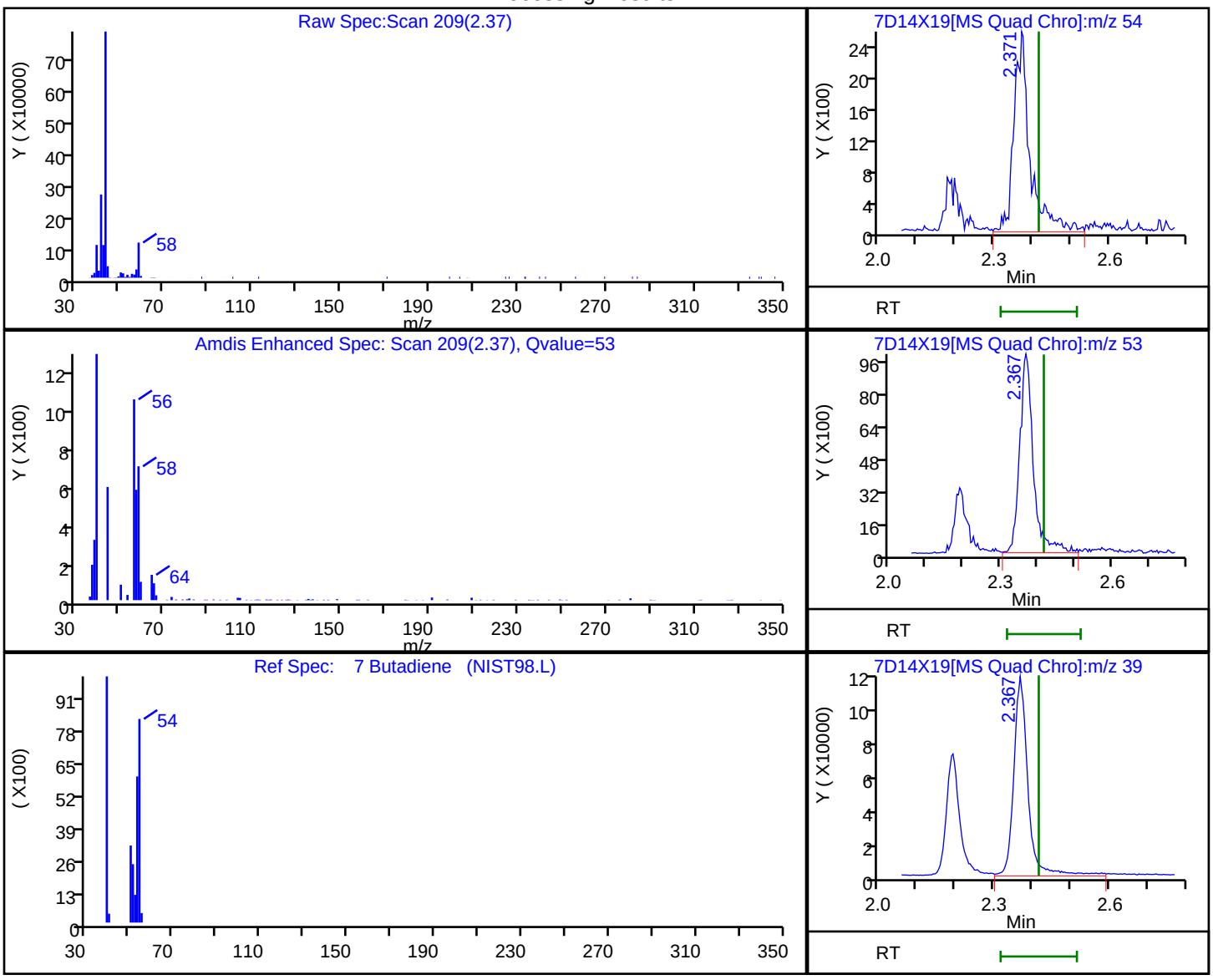
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

7 Butadiene, CAS: 106-99-0

Processing Results



RT	Mass	Response	Amount
2.37	54.00	7277	1.162913
2.37	53.00	25924	
2.37	39.00	290597	

Reviewer: MLX9, 15-Dec-2023 08:31:09 -05:00:00 (UTC)

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

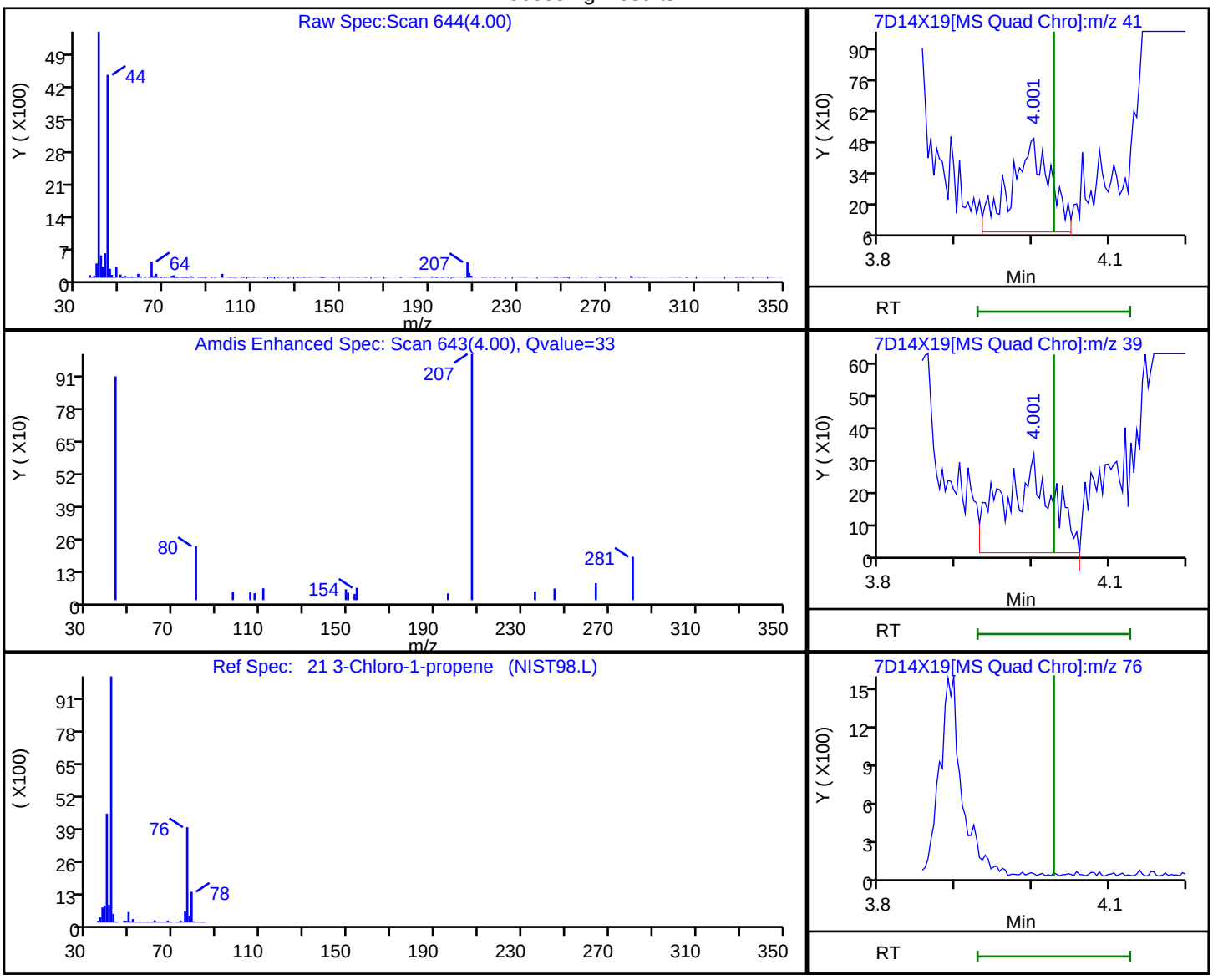
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
4.00	41.00	1447	0.129076
4.00	39.00	1305	
4.03	76.00	0	

Reviewer: MLX9, 15-Dec-2023 08:31:30 -05:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

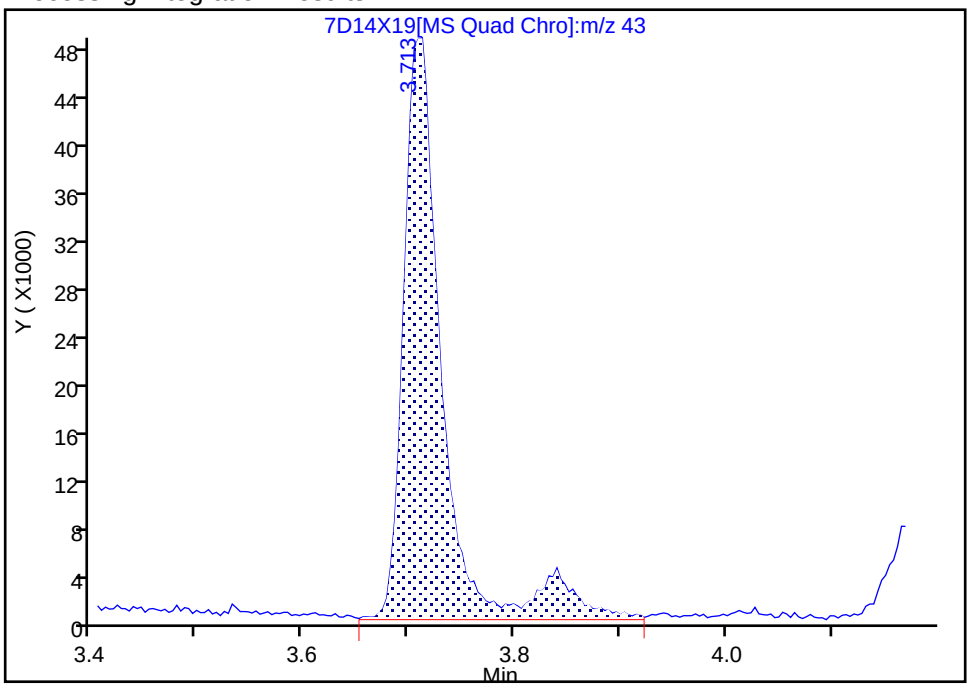
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Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

23 Acetone, CAS: 67-64-1

Signal: 1

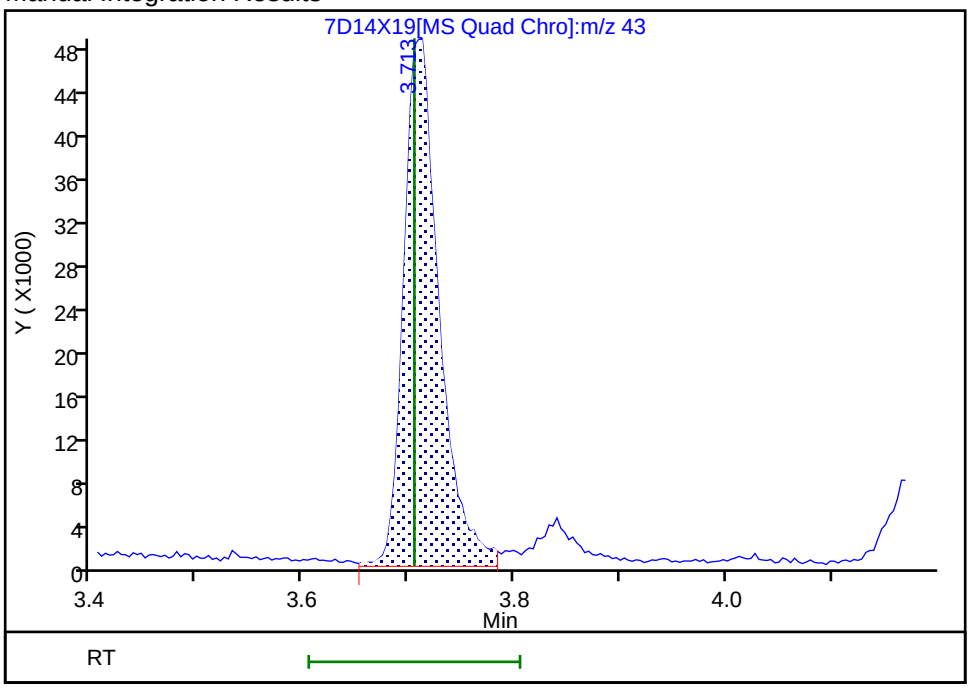
Processing Integration Results

RT: 3.71
Area: 126033
Amount: 8.758351
Amount Units: ppb v/v



Manual Integration Results

RT: 3.71
Area: 112874
Amount: 7.843899
Amount Units: ppb v/v



Reviewer: MLX9, 15-Dec-2023 08:31:25 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

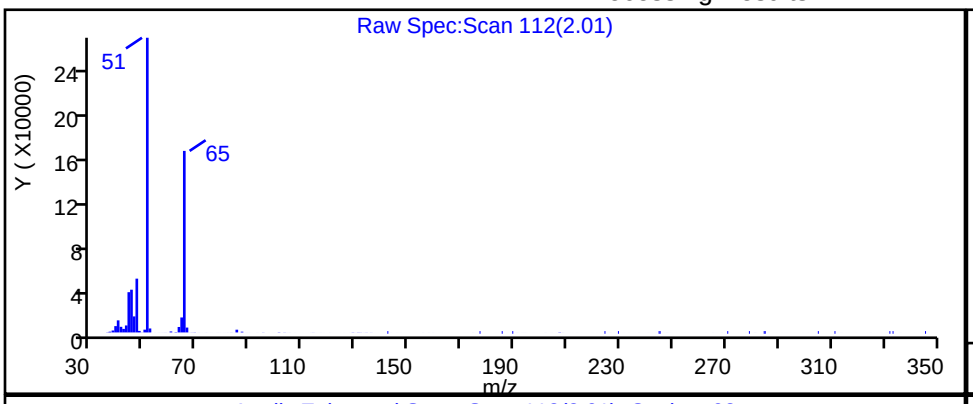
User Disabled Compound Report

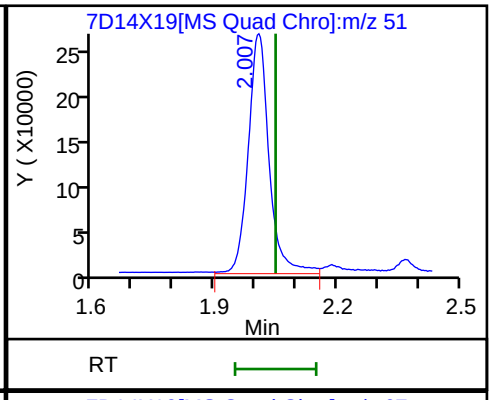
Eurofins Lancaster Laboratories Environment Testing, LLC

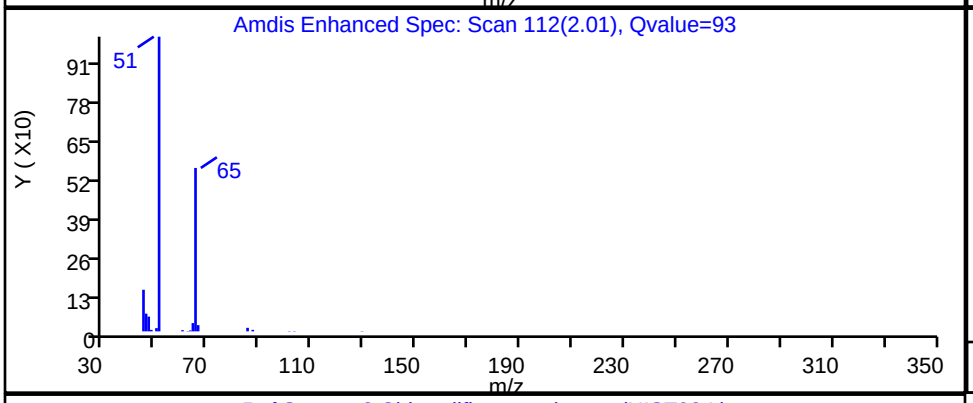
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

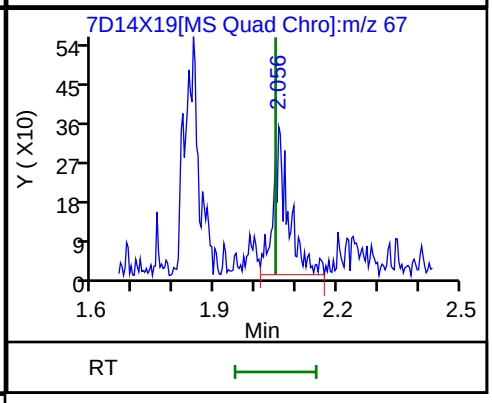
3 Chlorodifluoromethane, CAS: 75-45-6

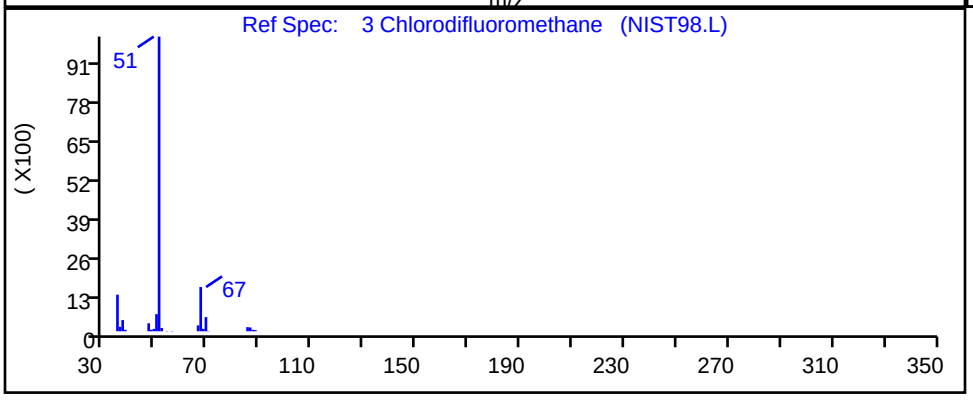
Processing Results











RT	Mass	Response	Amount
2.01	51.00	926619	62.310224
2.06	67.00	897	

Reviewer: MLX9, 15-Dec-2023 08:31:03 -05:00:00 (UTC)

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

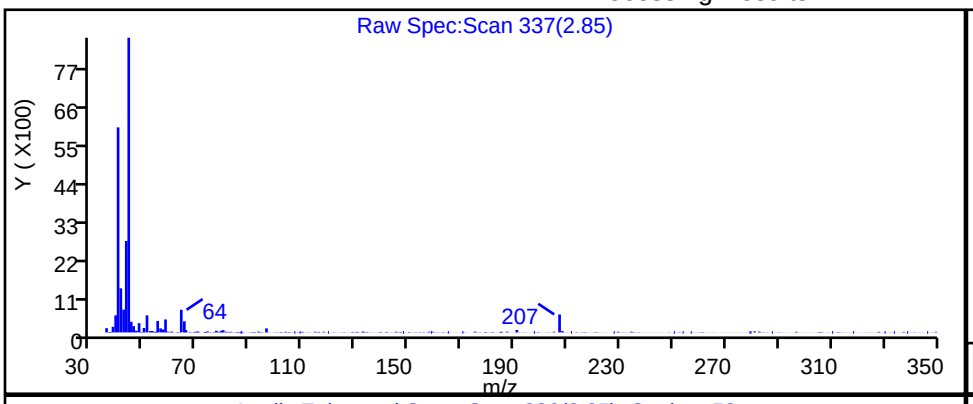
User Disabled Compound Report

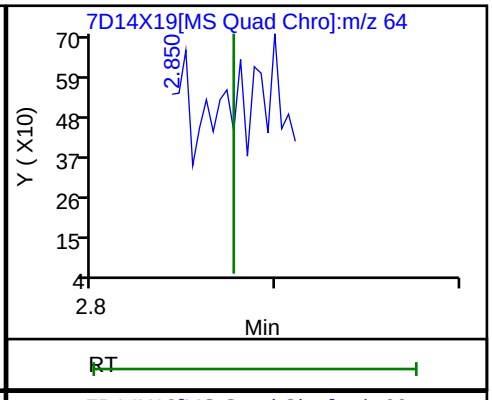
Eurofins Lancaster Laboratories Environment Testing, LLC

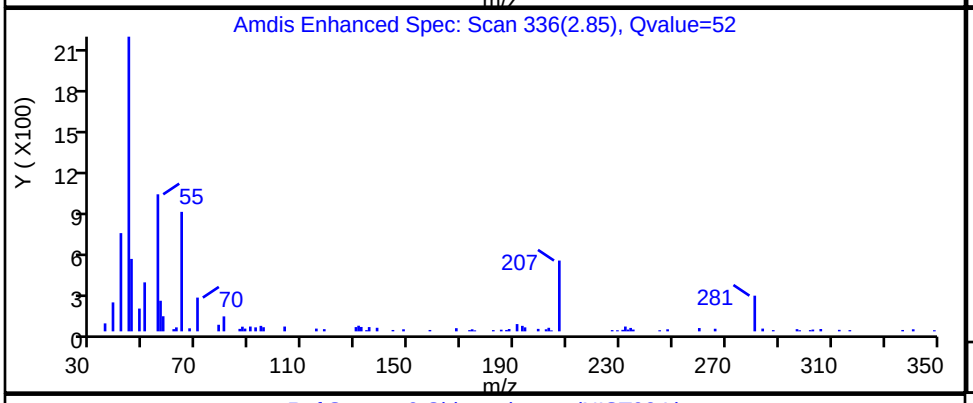
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

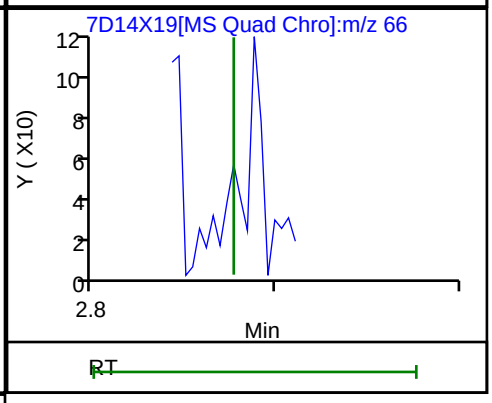
9 Chloroethane, CAS: 75-00-3

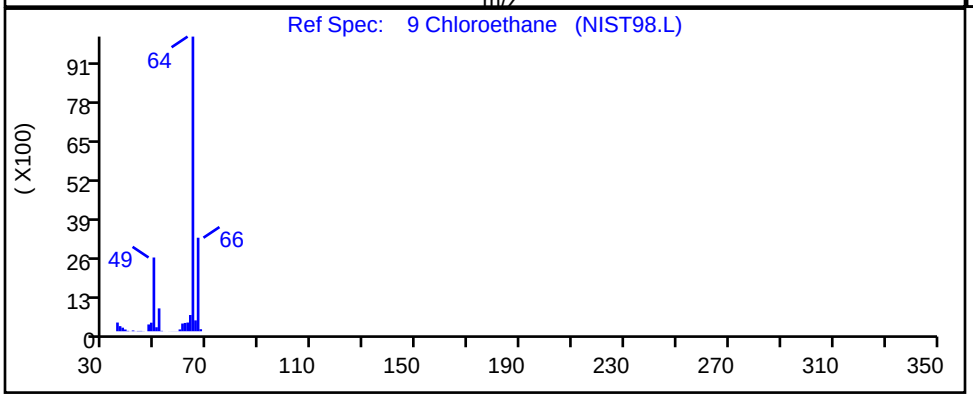
Processing Results











RT	Mass	Response	Amount
2.85	64.00	651	0.108368
2.88	66.00	0	

Reviewer: MLX9, 15-Dec-2023 08:31:11 -05:00:00 (UTC)

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

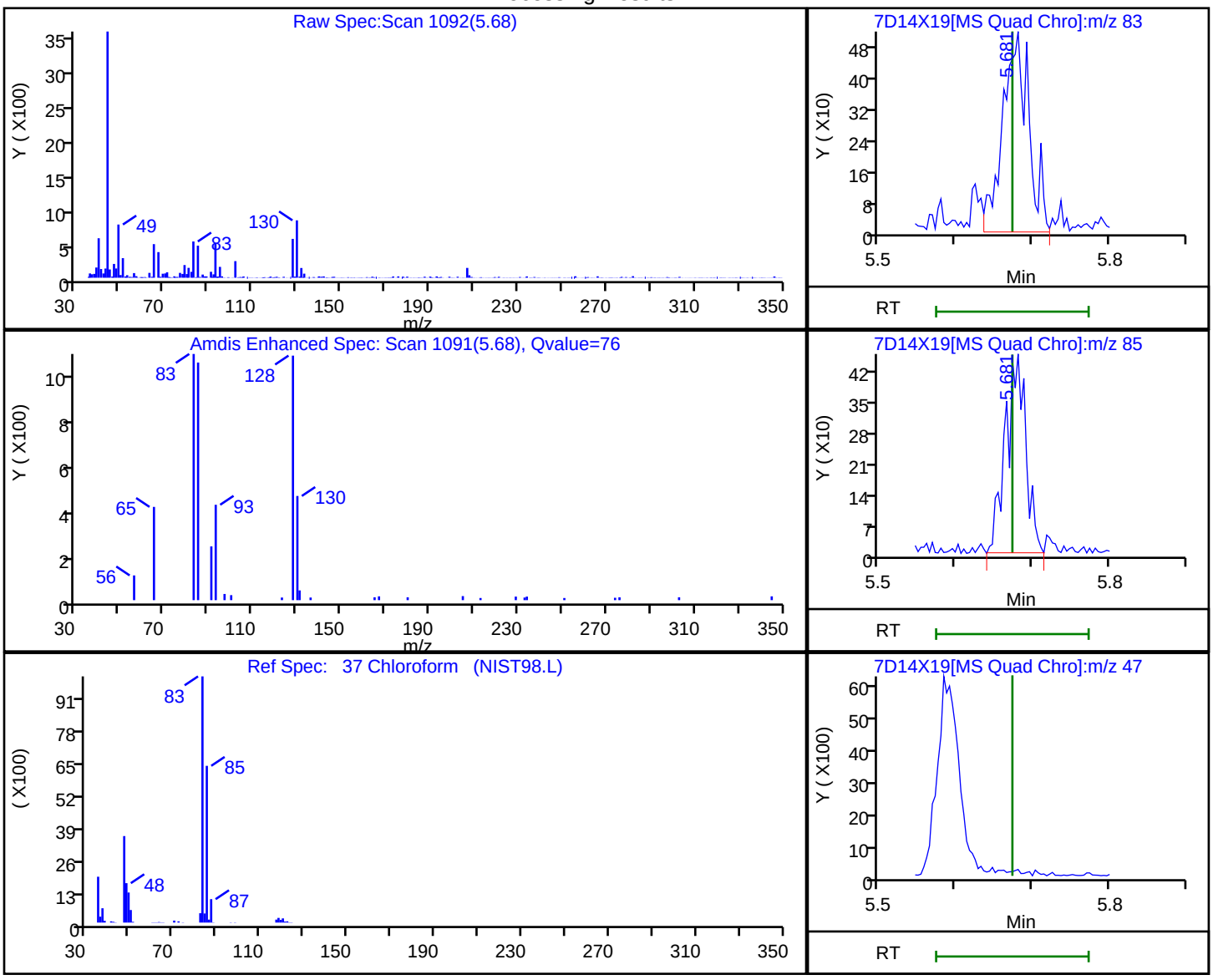
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

37 Chloroform, CAS: 67-66-3

Processing Results



RT	Mass	Response	Amount
5.68	83.00	1207	0.048294
5.68	85.00	852	
5.67	47.00	0	

Reviewer: MLX9, 15-Dec-2023 08:31:50 -05:00:00 (UTC)

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

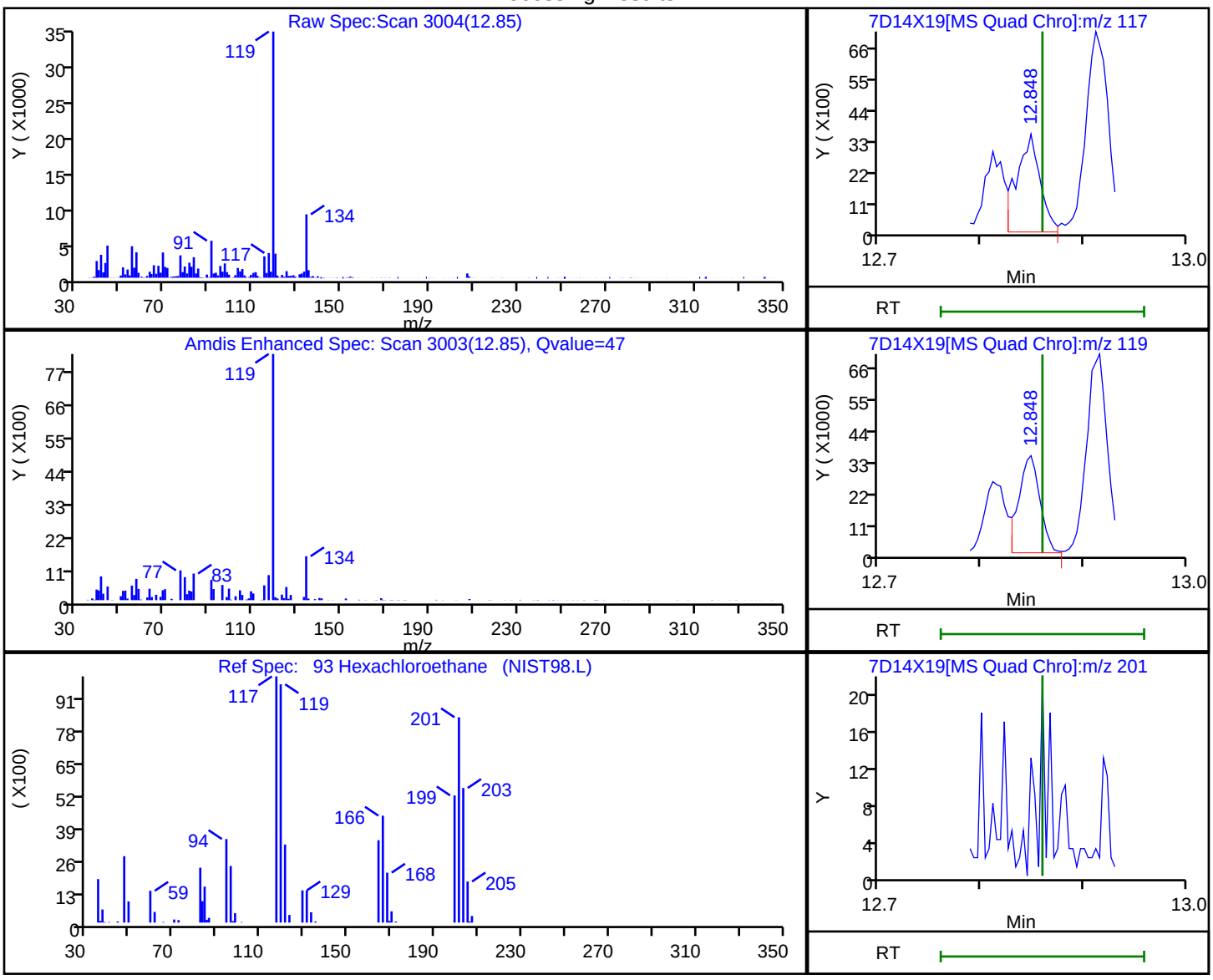
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X19.D				
Injection Date:	14-Dec-2023 15:34:13	Instrument ID:	HP8R004		
Lims ID:	410-154614-A-3	Lab Sample ID:	410-154614-3		
Client ID:	IA-1-20231212				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	19
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

93 Hexachloroethane, CAS: 67-72-1

Processing Results



RT	Mass	Response	Amount
12.85	117.00	5284	0.384183
12.85	119.00	48877	
12.86	201.00	0	
12.86	166.00	0	

Reviewer: MLX9, 15-Dec-2023 08:32:35 -05:00:00 (UTC)

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 Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-433347/8	7O19X10.D
Level 2	IC 410-433347/7	7O19X09.D
Level 3	IC 410-433347/6	7O19X06.D
Level 4	IC 410-433347/5	7O19X05.D
Level 5	IC 410-433347/4	7O19X04.D
Level 6	ICISAV 410-433347/3	7O19X03.D
Level 7	IC 410-433347/9	7O19X13.D
Level 8	IC 410-433347/10	7O19X14.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	0.6731 0.5424	0.5854 0.5370	0.6063 0.5533	0.5674	0.5404	Ave		0.5757				8.0		30.0			
Dichlorodifluoromethane	2.0028 2.2181	2.2172 2.2211	2.1129 2.1727	2.2503	2.1792	Ave		2.1718				3.7		30.0			
Chlorodifluoromethane	1.1718 1.2288	1.3267 1.2151	1.2024 1.2079	1.2665	1.1809	Ave		1.2250				4.1		30.0			
Freon-114	2.7425 2.3437	2.4910 2.3355	2.6400 2.3529	2.4577	2.3516	Ave		2.4644				6.2		30.0			
Chloromethane	0.8762 0.6851	0.8195 0.6821	0.7361 0.6690	0.6974	0.6842	Ave		0.7312				10.4		30.0			
Vinyl chloride	0.8693 0.8073	0.8061 0.8245	0.6631 0.8098	0.7808	0.8071	Ave		0.7960				7.5		30.0			
1,3-Butadiene	0.4466 0.5315	0.5306 0.5388	0.4907 0.5843	0.4948	0.5065	Ave		0.5155				7.9		30.0			
Bromomethane	0.6761 0.7548	0.7918 0.7657	0.6426 0.7444	0.7554	0.7303	Ave		0.7326				6.7		30.0			
Chloroethane	0.7754 0.4408	0.4737 0.4272	0.4481 0.4112	0.5161	0.4664	Ave		0.4949				23.8		30.0			
Bromoethene	0.6229 0.7273	0.6659 0.7822	0.6423 0.7936	0.6947	0.7066	Ave		0.7044				8.8		30.0			
Dichlorofluoromethane	1.4579 1.8408	1.7229 1.8409	1.7288 1.8398	1.8027	1.7692	Ave		1.7504				7.3		30.0			
Trichlorofluoromethane	2.7211 2.2083	2.3855 2.2696	2.7017 2.1592	2.4587	2.1645	Ave		2.3836				9.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Pentane	1.5920 1.1116	1.3846 1.1663	1.2347 1.2429	1.1503	1.0661	Ave		1.2436				13.8		30.0			
Ethanol	+++++ 0.1794	0.1628 0.1579	0.2282 0.1720	0.1911	0.1715	Ave		0.1804				13.1		30.0			
Acrolein	0.3825 0.2616	0.2720 0.2711	0.2591 0.2945	0.2756	0.2401	Ave		0.2821				15.4		30.0			
1,1-Dichloroethene	1.1266 1.2694	1.1898 1.2864	1.2297 1.3152	1.1890	1.1786	Ave		1.2231				5.2		30.0			
Freon 113	1.6914 1.3104	1.5404 1.3467	1.6425 1.2360	1.4957	1.2683	Ave		1.4414				12.1		30.0			
Acetone	1.6814 1.0672	1.2670 1.0592	1.1668 1.0713	1.1259	1.0443	Ave		1.1854				18.0		30.0			
Iodomethane	1.3993 1.8092	1.7265 2.0238	1.7948 1.9013	1.7712	1.7522	Ave		1.7723				10.1		30.0			
Isopropanol	0.9423 0.6811	0.7221 0.5169	0.7034 0.6401	0.6031	0.5912	Ave		0.6750				18.8		30.0			
Carbon disulfide	2.1960 2.4480	2.3096 2.4642	2.3067 2.3843	2.2710	2.2642	Ave		2.3305				4.0		30.0			
Acetonitrile	0.6507 0.4971	0.5161 0.5340	0.5444 0.4604	0.4990	0.4921	Ave		0.5242				10.9		30.0			
3-Chloroprene	0.9195 0.9151	1.0043 0.9313	0.8232 1.0543	0.8698	0.8703	Ave		0.9235				8.1		30.0			
Methylene Chloride	0.8459 0.8212	0.8730 0.8221	0.8444 0.8048	0.8348	0.7607	Ave		0.8259				4.0		30.0			
tert-Butyl alcohol	0.7148 0.6441	0.5829 0.6353	0.6947 0.7617	0.6601	0.5775	Ave		0.6589				9.6		30.0			
Acrylonitrile	0.7391 0.6528	0.7107 0.6838	0.6625 0.6953	0.6743	0.6290	Ave		0.6809				5.1		30.0			
Methyl t-butyl ether	2.0341 1.9631	1.8503 2.1941	1.8297 2.3099	1.8516	1.8287	Ave		1.9827				9.3		30.0			
trans-1,2-Dichloroethene	1.2105 1.2162	1.1559 1.2511	1.1957 1.2827	1.1587	1.1352	Ave		1.2007				4.2		30.0			
Hexane	0.7386 0.6058	0.6369 0.6752	0.7147 0.6593	0.6463	0.5878	Ave		0.6581				7.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Vinyl acetate	0.1720 0.1810	0.1641 0.1945	0.1817 0.2179	0.1645	0.1571	Ave		0.1791				11.0		30.0			
1,1-Dichloroethane	1.8285 1.5804	1.6507 1.6093	1.8375 1.5955	1.6261	1.5104	Ave		1.6548				7.1		30.0			
di-Isopropyl ether	2.3724 2.5032	2.1010 2.7852	2.2745 2.7719	2.3258	2.2762	Ave		2.4263				10.1		30.0			
Ethyl tert-butyl ether	1.7490 2.0914	1.7436 2.3418	1.9055 2.5569	1.9711	1.9085	Ave		2.0335				14.1		30.0			
2-Butanone	0.3760 0.3971	0.3731 0.4097	0.4026 0.4388	0.4164	0.3683	Ave		0.3978				6.1		30.0			
cis-1,2-Dichloroethene	1.5111 1.4388	1.3925 1.4854	1.5364 1.5294	1.3794	1.3239	Ave		1.4496				5.4		30.0			
Ethyl acetate	0.2364 0.2113	0.2148 0.2249	0.2443 0.2272	0.2114	0.2054	Ave		0.2220				6.1		30.0			
Methyl acrylate	1.3869 1.3209	1.2054 1.4723	1.3635 1.5229	1.2900	1.2121	Ave		1.3468				8.5		30.0			
Tetrahydrofuran	0.7987 0.7522	0.7995 0.8419	0.8196 0.8774	0.7979	0.7147	Ave		0.8002				6.3		30.0			
Chloroform	2.2596 1.9560	2.1016 1.9812	2.2839 1.9635	2.0411	1.8834	Ave		2.0588				7.1		30.0			
1,1,1-Trichloroethane	2.2656 1.8454	1.9554 1.9531	2.0101 1.9271	1.9627	1.8303	Ave		1.9687				6.8		30.0			
Cyclohexane	1.2220 1.1977	1.1337 1.3499	1.1472 1.4153	1.1271	1.1075	Ave		1.2126				9.3		30.0			
Carbon tetrachloride	2.1528 1.9042	1.9940 2.0238	2.1889 1.9415	2.0300	1.8728	Ave		2.0135				5.6		30.0			
Benzene	0.9771 0.6864	0.8013 0.7404	0.8491 0.7251	0.7622	0.7060	Ave		0.7810				12.2		30.0			
1,2-Dichloroethane	0.4068 0.3042	0.3455 0.3180	0.3564 0.3099	0.3356	0.3086	Ave		0.3356				10.2		30.0			
Isooctane	0.7502 1.0165	0.8491 1.1006	0.8027 1.1269	0.8509	0.9626	Ave		0.9324				15.0		30.0			
Tert-amyl methyl ether	0.4579 0.5169	0.4568 0.5825	0.4376 0.6233	0.4679	0.4988	Ave		0.5052				13.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Heptane	0.2013 0.2278	0.2058 0.2647	0.2126 0.2631	0.2065	0.2175	Ave		0.2249				11.3		30.0			
Trichloroethene	0.4135 0.3030	0.3486 0.3232	0.3774 0.3188	0.3366	0.3141	Ave		0.3419				10.8		30.0			
Ethyl acrylate	0.4381 0.3686	0.4191 0.4542	0.4090 0.4781	0.3701	0.3814	Ave		0.4148				9.7		30.0			
1,2-Dichloropropane	0.4106 0.2598	0.3172 0.2880	0.3425 0.2761	0.2931	0.2753	Ave		0.3078				15.9		30.0			
Methyl methacrylate	0.2436 0.2006	0.2038 0.2474	0.2118 0.2585	0.1962	0.2025	Ave		0.2206				11.3		30.0			
1,4-Dioxane	0.1065 0.1061	0.1008 0.1120	0.1029 0.1186	0.0998	0.1009	Ave		0.1060				6.1		30.0			
Dibromomethane	0.3334 0.2518	0.2796 0.2713	0.2787 0.2568	0.2598	0.2527	Ave		0.2730				9.8		30.0			
Bromodichloromethane	0.6653 0.4881	0.5285 0.5370	0.5710 0.5161	0.5312	0.4945	Ave		0.5415				10.4		30.0			
cis-1,3-Dichloropropene	0.3991 0.3421	0.3884 0.4058	0.3803 0.4354	0.3583	0.3589	Ave		0.3835				7.9		30.0			
4-Methyl-2-pentanone	0.4547 0.3973	0.4003 0.4992	0.4081 0.4909	0.4233	0.4004	Ave		0.4343				9.7		30.0			
Toluene	0.9335 0.8953	0.9084 0.9526	0.9389 0.9465	0.8993	0.8930	Ave		0.9209				2.7		30.0			
Octane	0.4135 0.4911	0.3956 0.5756	0.4333 0.5709	0.4360	0.4704	Ave		0.4733				14.5		30.0			
trans-1,3-Dichloropropene	0.3003 0.3299	0.2730 0.3748	0.3186 0.3945	0.3029	0.3184	Ave		0.3266				12.3		30.0			
Ethyl methacrylate	0.2965 0.3342	0.2812 0.4352	0.2839 0.4544	0.3065	0.3158	Ave		0.3385				20.1		30.0			
1,1,2-Trichloroethane	0.3620 0.3086	0.3420 0.3273	0.3469 0.3197	0.3319	0.3252	Ave		0.3329				5.0		30.0			
Tetrachloroethene	0.4894 0.4002	0.4633 0.4706	0.4331 0.4674	0.4206	0.4173	Ave		0.4452				7.1		30.0			
2-Hexanone	0.3623 0.3769	0.3044 0.4710	0.3504 0.4870	0.3551	0.3463	Ave		0.3817				16.7		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Dibromochloromethane	0.3768 0.3807	0.3411 0.4251	0.3935 0.4209	0.3819	0.3796	Ave		0.3875				6.9		30.0			
1,2-Dibromoethane	0.4342 0.4350	0.4087 0.4881	0.4438 0.4837	0.4475	0.4417	Ave		0.4478				5.9		30.0			
Chlorobenzene	0.7980 0.6848	0.7193 0.7513	0.7626 0.7130	0.7434	0.7018	Ave		0.7343				5.0		30.0			
1,1,1,2-Tetrachloroethane	0.3767 0.3545	0.3348 0.3970	0.3667 0.3750	0.3613	0.3487	Ave		0.3643				5.3		30.0			
Ethylbenzene	0.9373 1.0406	0.9001 1.2338	1.0022 1.1960	0.9770	1.0131	Ave		1.0375				11.4		30.0			
m&p-Xylene	0.6105 0.7957	0.6377 0.9528	0.7102 0.9430	0.7034	0.7565	Ave		0.7637				16.8		30.0			
o-Xylene	0.6338 0.7578	0.5770 0.9205	0.6561 0.9258	0.6558	0.7125	Ave		0.7299				17.9		30.0			
Styrene	0.3636 0.5446	0.3519 0.7062	0.4104 0.6834	0.4234	0.4855	Ave		0.4961				27.7		30.0			
Bromoform	0.3585 0.4014	0.3309 0.4749	0.3851 0.4692	0.3729	0.3882	Ave		0.3976				12.7		30.0			
Cumene	0.7529 1.0378	0.7567 1.2729	0.8339 1.2632	0.8745	0.9685	Ave		0.9701				21.4		30.0			
1,1,2,2-Tetrachloroethane	0.6682 0.6321	0.6359 0.7088	0.6948 0.6673	0.6479	0.6394	Ave		0.6618				4.3		30.0			
Bromobenzene	0.3472 0.3490	0.3498 0.3907	0.3814 0.3839	0.3552	0.3521	Ave		0.3637				5.0		30.0			
1,2,3-Trichloropropane	0.1846 0.1810	0.1991 0.1943	0.2011 0.1850	0.1865	0.1759	Ave		0.1884				4.7		30.0			
N-Propylbenzene	0.2564 0.3021	0.2350 0.3655	0.2673 0.3650	0.2696	0.2865	Ave		0.2934				16.5		30.0			
2-Chlorotoluene	0.2411 0.2740	0.2483 0.3225	0.2502 0.3183	0.2624	0.2736	Ave		0.2738				11.4		30.0			
4-Ethyltoluene	0.7892 1.1044	0.7614 1.3385	0.8543 1.2777	0.9470	1.0404	Ave		1.0141				21.3		30.0			
1,3,5-Trimethylbenzene	0.6518 0.9213	0.6600 1.1006	0.7077 1.0699	0.7976	0.8895	Ave		0.8498				20.7		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Alpha Methyl Styrene	0.2667 0.3320	0.2674 0.4606	0.2724 0.4961	0.2873	0.3013	Ave		0.3355				27.2		30.0			
tert-Butylbenzene	0.5648 0.8547	0.5766 1.0100	0.6590 1.0057	0.7185	0.8032	Ave		0.7741				22.7		30.0			
1,2,4-Trimethylbenzene	0.5529 0.8644	0.5582 1.0594	0.6478 1.0340	0.7141	0.8062	Ave		0.7796				25.3		30.0			
sec-Butylbenzene	0.8894 1.2618	0.8903 1.5360	1.0193 1.4815	1.0996	1.1925	Ave		1.1713				21.0		30.0			
1,3-Dichlorobenzene	0.6399 0.5592	0.5958 0.6701	0.6112 0.6372	0.5941	0.5907	Ave		0.6123				5.7		30.0			
p-Isopropyltoluene	0.6558 0.9873	0.6748 1.2520	0.7278 1.2125	0.7967	0.9212	Ave		0.9035				25.8		30.0			
1,4-Dichlorobenzene	0.5976 0.5610	0.5568 0.6901	0.5825 0.6424	0.5924	0.5936	Ave		0.6020				7.3		30.0			
Benzyl chloride	0.0974 0.1151	0.0900 0.1577	0.1026 0.1698	0.1050	0.1120	Ave		0.1187				24.5		30.0			
n-Butylbenzene	0.3520 0.4597	0.3551 0.6160	0.3554 0.6037	0.3883	0.4332	Ave		0.4454				24.4		30.0			
1,2-Dichlorobenzene	0.6171 0.5367	0.5681 0.6477	0.5456 0.5859	0.5486	0.5492	Ave		0.5749				6.9		30.0			
Hexachloroethane	0.2768 0.2977	0.2497 0.2902	0.2928 0.2920	0.2849	0.2901	Ave		0.2843				5.4		30.0			
1,2-Dibromo-3-Chloropropane	0.2842 0.2179	0.2675 0.2715	0.2079 0.2690	0.2146	0.2078	Ave		0.2425				13.7		30.0			
1,2,4-Trichlorobenzene	0.4890 0.3220	0.4799 0.4145	0.3254 0.4201	0.3190	0.3245	Ave		0.3868				18.9		30.0			
Hexachlorobutadiene	0.3949 0.2427	0.4298 0.2842	0.2584 0.2715	0.2490	0.2444	Ave		0.2969				24.7		30.0			
Naphthalene	0.9043 0.6837	0.8200 0.9302	0.5542 0.9705	0.5961	0.6377	Ave		0.7621				21.5		30.0			
1,2-Dichloroethane-d4 (Surr)	1.4468 1.3388	1.3767 1.3197	1.4435 1.2999	1.3706	1.3088	Ave		1.3631				4.2		30.0			
Toluene-d8 (Surr)	1.0984 1.2124	1.1376 1.1888	1.1169 1.2162	1.1304	1.1849	Ave		1.1607				3.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-433347/8	7O19X10.D
Level 2	IC 410-433347/7	7O19X09.D
Level 3	IC 410-433347/6	7O19X06.D
Level 4	IC 410-433347/5	7O19X05.D
Level 5	IC 410-433347/4	7O19X04.D
Level 6	ICISAV 410-433347/3	7O19X03.D
Level 7	IC 410-433347/9	7O19X13.D
Level 8	IC 410-433347/10	7O19X14.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	1355 68407	3276 160552	6200 549510	12575	34163	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Dichlorodifluoromethane	CBM	Ave	4032 279746	12407 664054	21607 2157806	49873	137772	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chlorodifluoromethane	CBM	Ave	2359 154973	7424 363280	12296 1199621	28069	74657	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Freon-114	CBM	Ave	5521 295584	13939 698249	26997 2336758	54469	148667	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chloromethane	CBM	Ave	1764 86408	4586 203942	7528 664377	15455	43258	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Vinyl chloride	CBM	Ave	1750 101808	4511 246515	6781 804261	17305	51024	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,3-Butadiene	CBM	Ave	899 67037	2969 161075	5018 580318	10967	32018	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromomethane	CBM	Ave	1361 95198	4431 228921	6571 739255	16741	46171	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chloroethane	CBM	Ave	1561 55589	2651 127719	4582 408339	11439	29484	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromoethene	CBM	Ave	1254 91730	3726 233847	6568 788158	15396	44672	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Dichlorofluoromethane	CBM	Ave	2935 232150	9641 550372	17679 1827156	39952	111851	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Trichlorofluoromethane	CBM	Ave	5478 278509	13349 678555	27628 2144402	54490	136842	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Pentane	CBM	Ave	3205 140190	7748 348694	12626 1234343	25494	67400	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Ethanol	CBM	Ave	+++++ 22629	911 47223	2334 170781	4236	10840	+++++ 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Acrolein	CBM	Ave	770	1522	2650	6109	15178	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			32998	81044	292438			10.0	25.0	75.0		
1,1-Dichloroethene	CBM	Ave	2268	6658	12575	26351	74508	0.200	0.500	1.00	2.00	5.00
			160089	384609	1306207			10.0	25.0	75.0		
Freon 113	CBM	Ave	3405	8620	16797	33149	80182	0.200	0.500	1.00	2.00	5.00
			165265	402624	1227536			10.0	25.0	75.0		
Acetone	CBM	Ave	3385	7090	11932	24953	66022	0.200	0.500	1.00	2.00	5.00
			134589	316673	1063901			10.0	25.0	75.0		
Iodomethane	CBM	Ave	2817	9661	18354	39253	110772	0.200	0.500	1.00	2.00	5.00
			228173	605063	1888296			10.0	25.0	75.0		
Isopropanol	CBM	Ave	1897	4041	7193	13366	37374	0.200	0.500	1.00	2.00	5.00
			85894	154554	635713			10.0	25.0	75.0		
Carbon disulfide	CBM	Ave	4421	12924	23589	50330	143144	0.200	0.500	1.00	2.00	5.00
			308729	736732	2367961			10.0	25.0	75.0		
Acetonitrile	CBM	Ave	1310	2888	5567	11059	31111	0.200	0.500	1.00	2.00	5.00
			62696	159653	457238			10.0	25.0	75.0		
3-Chloroprene	CBM	Ave	1851	5620	8418	19277	55020	0.200	0.500	1.00	2.00	5.00
			115411	278443	1047034			10.0	25.0	75.0		
Methylene Chloride	CBM	Ave	1703	4885	8635	18502	48091	0.200	0.500	1.00	2.00	5.00
			103572	245791	799269			10.0	25.0	75.0		
tert-Butyl alcohol	CBM	Ave	1439	3262	7104	14629	36507	0.200	0.500	1.00	2.00	5.00
			81232	189930	756516			10.0	25.0	75.0		
Acrylonitrile	CBM	Ave	1488	3977	6775	14945	39763	0.200	0.500	1.00	2.00	5.00
			82326	204438	690544			10.0	25.0	75.0		
Methyl t-butyl ether	CBM	Ave	4095	10354	18711	41035	115612	0.200	0.500	1.00	2.00	5.00
			247581	655993	2294003			10.0	25.0	75.0		
trans-1,2-Dichloroethene	CBM	Ave	2437	6468	12227	25679	71769	0.200	0.500	1.00	2.00	5.00
			153387	374042	1273898			10.0	25.0	75.0		
Hexane	CBM	Ave	1487	3564	7309	14324	37163	0.200	0.500	1.00	2.00	5.00
			76405	201856	654817			10.0	25.0	75.0		
Vinyl acetate	CBM	Ave	381	1010	2044	4010	10928	0.220	0.550	1.10	2.20	5.50
			25115	63982	238086			11.0	27.5	82.5		
1,1-Dichloroethane	CBM	Ave	3681	9237	18791	36039	95489	0.200	0.500	1.00	2.00	5.00
			199316	481143	1584508			10.0	25.0	75.0		
di-Isopropyl ether	CBM	Ave	4776	11757	23260	51545	143904	0.200	0.500	1.00	2.00	5.00
			315700	832706	2752830			10.0	25.0	75.0		
Ethyl tert-butyl ether	CBM	Ave	3521	9757	19486	43685	120654	0.200	0.500	1.00	2.00	5.00
			263756	700146	2539361			10.0	25.0	75.0		
2-Butanone	CBM	Ave	757	2088	4117	9228	23282	0.200	0.500	1.00	2.00	5.00
			50080	122505	435790			10.0	25.0	75.0		
cis-1,2-Dichloroethene	CBM	Ave	3042	7792	15712	30571	83697	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			181457	444111	1518870			10.0	25.0	75.0		
Ethyl acetate	CBM	Ave	476 26650	1202 67235	2498 225640	4685	12984	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Methyl acrylate	CBM	Ave	2792 166585	6745 440186	13943 1512494	28590	76632	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Tetrahydrofuran	CBM	Ave	1608 94868	4474 251722	8381 871357	17683	45183	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chloroform	CBM	Ave	4549 246691	11760 592315	23356 1949995	45236	119071	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,1,1-Trichloroethane	CBM	Ave	4561 232735	10942 583932	20556 1913863	43499	115710	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Cyclohexane	CBM	Ave	2460 151052	6344 403585	11732 1405630	24980	70017	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Carbon tetrachloride	CBM	Ave	4334 240158	11158 605068	22384 1928156	44990	118396	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Benzene	DFBZ	Ave	7705 356956	16600 908486	36130 2922486	69231	171471	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dichloroethane	DFBZ	Ave	3208 158208	7157 390253	15165 1248793	30487	74956	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Isooctane	DFBZ	Ave	5916 528621	17589 1350550	34157 4541639	77288	233776	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Tert-amyl methyl ether	DFBZ	Ave	3611 268813	9463 714746	18620 2511886	42501	121138	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Heptane	DFBZ	Ave	1587 118457	4264 324808	9048 1060200	18757	52831	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Trichloroethene	DFBZ	Ave	3261 157574	7221 396623	16060 1284785	30578	76294	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Ethyl acrylate	DFBZ	Ave	3455 191685	8683 557333	17404 1926918	33620	92621	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dichloropropane	DFBZ	Ave	3238 135104	6572 353380	14575 1112786	26619	66858	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Methyl methacrylate	DFBZ	Ave	1921 104341	4222 303569	9012 1041899	17823	49178	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,4-Dioxane	DFBZ	Ave	840 55178	2089 137430	4377 478058	9068	24503	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Dibromomethane	DFBZ	Ave	2629 130969	5792 332901	11857 1035073	23594	61376	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromodichloromethane	DFBZ	Ave	5246 253857	10949 658892	24296 2079855	48249	120109	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
cis-1,3-Dichloropropene	DFBZ	Ave	3147	8046	16183	32543	87162	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			177906	497910	1754941			10.0	25.0	75.0		
4-Methyl-2-pentanone	DFBZ	Ave	3586 206592	8293 612564	17365 1978442	38447	97253	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Toluene	CBZd5	Ave	8555 444928	20779 1158964	44432 3697688	85186	215542	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Octane	CBZd5	Ave	3789 244066	9049 700272	20503 2230416	41305	113537	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	2752 163941	6244 456048	15078 1541113	28696	76846	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	2717 166102	6431 529506	13437 1775041	29038	76218	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	3317 153383	7822 398211	16417 1248973	31437	78494	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Tetrachloroethene	CBZd5	Ave	4485 198867	10597 572508	20498 1826012	39841	100724	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
2-Hexanone	CBZd5	Ave	3320 187286	6963 573040	16584 1902552	33637	83600	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Dibromochloromethane	CBZd5	Ave	3453 189204	7801 517200	18624 1644324	36174	91634	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dibromoethane	CBZd5	Ave	3979 216175	9348 593875	21003 1889682	42395	106612	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chlorobenzene	CBZd5	Ave	7313 340332	16453 914009	36089 2785417	70416	169386	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	3452 176163	7658 483031	17352 1464913	34226	84177	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Ethylbenzene	CBZd5	Ave	8589 517114	20588 1501088	47428 4672213	92550	244534	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
m&p-Xylene	CBZd5	Ave	5595 395445	14587 1159262	33609 3683726	66628	182593	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
o-Xylene	CBZd5	Ave	5808 376567	13199 1119953	31047 3616631	62122	171983	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Styrene	CBZd5	Ave	3332 270622	8050 859206	19424 2669935	40108	117178	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromoform	CBZd5	Ave	3285 199467	7569 577772	18226 1833086	35324	93691	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Cumene	CBZd5	Ave	6900 515724	17309 1548596	39463 4934776	82836	233783	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,1,2,2-Tetrachloroethane	CBZd5	Ave	6123 314122	14546 862387	32879 2607016	61377	154329	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromobenzene	CBZd5	Ave	3182	8002	18048	33645	84987	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			173419	475315	1499559			10.0	25.0	75.0		
1,2,3-Trichloropropane	CBZd5	Ave	1692 89932	4553 236385	9516 722633	17663	42469	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
N-Propylbenzene	CBZd5	Ave	2350 150140	5375 444736	12649 1425960	25535	69156	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
2-Chlorotoluene	CBZd5	Ave	2209 136142	5679 392345	11842 1243597	24860	66051	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
4-Ethyltoluene	CBZd5	Ave	7232 548835	17415 1628452	40427 4991401	89710	251120	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,3,5-Trimethylbenzene	CBZd5	Ave	5973 457831	15096 1339057	33493 4179733	75556	214700	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Alpha Methyl Styrene	CBZd5	Ave	2444 164965	6117 560327	12892 1938008	27219	72732	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
tert-Butylbenzene	CBZd5	Ave	5176 424732	13189 1228837	31186 3928778	68061	193878	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2,4-Trimethylbenzene	CBZd5	Ave	5067 429567	12768 1288889	30655 4039491	67644	194588	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
sec-Butylbenzene	CBZd5	Ave	8150 627068	20364 1868746	48237 5787440	104160	287830	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,3-Dichlorobenzene	CBZd5	Ave	5864 277874	13628 815323	28926 2489435	56275	142584	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
p-Isopropyltoluene	CBZd5	Ave	6010 490660	15435 1523244	34443 4736582	75473	222345	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,4-Dichlorobenzene	CBZd5	Ave	5476 278800	12735 839646	27565 2509464	56121	143273	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Benzyl chloride	CBZd5	Ave	893 57211	2059 191821	4857 663344	9949	27026	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
n-Butylbenzene	CBZd5	Ave	3226 228439	8123 749425	16817 2358411	36787	104556	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dichlorobenzene	CBZd5	Ave	5655 266691	12995 787994	25819 2288701	51972	132560	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Hexachloroethane	CBZd5	Ave	2537 147938	5711 353022	13858 1140593	26991	70019	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dibromo-3-Chloropropane	CBZd5	Ave	2604 108294	6118 330302	9838 1050897	20330	50164	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2,4-Trichlorobenzene	CBZd5	Ave	3899 139203	9550 438716	13397 1427880	26289	68143	0.174 8.70	0.435 21.8	0.870 65.3	1.74	4.35
Hexachlorobutadiene	CBZd5	Ave	3619 120589	9830 345717	12229 1060821	23588	58993	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Naphthalene	CBZd5	Ave	8287	18756	26228	56471	153935	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			339776	1131704	3791451			10.0	25.0	75.0		
1,2-Dichloroethane-d4 (Surr)	CBM	Ave	145632 168845	154076 157825	147617 172136	151877	165487	10.0 10.0	10.0 10.0	10.0 10.0	10.0	10.0
Toluene-d8 (Surr)	CBZd5	Ave	503293 602505	520419 578545	528547 633511	535411	572032	10.0 10.0	10.0 10.0	10.0 10.0	10.0	10.0

Curve Type Legend:
Ave = Average ISTD

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X03.D
Lims ID: ICISAV CAL10 ppb
Client ID:
Sample Type: ICISAV Calib Level: 6
Inject. Date: 19-Oct-2023 15:19:23 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC 10
Misc. Info.: 410-0094107-003
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub3

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 23-Oct-2023 13:43:55 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: UKEK Date: 23-Oct-2023 13:38:27

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	2.000	2.000	0.000	98	68407	10.0	9.42	
2 Dichlorodifluoromethane	85	2.033	2.033	0.000	99	279746	10.0	10.2	
3 Chlorodifluoromethane	51	2.071	2.071	0.000	97	154973	10.0	10.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.187	2.187	0.000	98	295584	10.0	9.51	
5 Chloromethane	50	2.269	2.269	0.000	99	86408	10.0	9.37	
6 Vinyl chloride	62	2.397	2.397	0.000	98	101808	10.0	10.1	
7 Butadiene	54	2.434	2.434	0.000	90	67037	10.0	10.3	
8 Bromomethane	94	2.779	2.779	0.000	91	95198	10.0	10.3	
9 Chloroethane	64	2.895	2.895	0.000	100	55589	10.0	8.91	
10 Vinyl bromide	106	3.083	3.083	0.000	98	91730	10.0	10.3	
13 Dichlorofluoromethane	67	3.128	3.128	0.000	97	232150	10.0	10.5	
12 Trichlorofluoromethane	101	3.154	3.154	0.000	98	278509	10.0	9.26	
11 Pentane	43	3.252	3.252	0.000	96	140190	10.0	8.94	M
14 Ethanol	45	3.327	3.327	0.000	98	22629	10.0	9.94	
19 Acrolein	56	3.585	3.585	0.000	99	32998	10.0	9.28	
15 1,1-Dichloroethene	61	3.683	3.683	0.000	98	160089	10.0	10.4	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.694	3.694	0.000	95	165265	10.0	9.09	
23 Acetone	43	3.720	3.720	0.000	100	134589	10.0	9.00	
18 Iodomethane	142	3.829	3.829	0.000	100	228173	10.0	10.2	
20 Isopropyl alcohol	45	3.844	3.844	0.000	96	85894	10.0	10.1	
17 Carbon disulfide	76	3.900	3.900	0.000	99	308729	10.0	10.5	
28 Acetonitrile	41	3.998	3.998	0.000	97	62696	10.0	9.48	
21 3-Chloro-1-propene	41	4.043	4.043	0.000	87	115411	10.0	9.91	
22 Methylene Chloride	84	4.170	4.170	0.000	88	103572	10.0	9.94	
27 2-Methyl-2-propanol	59	4.245	4.245	0.000	95	81232	10.0	9.78	
31 Acrylonitrile	53	4.391	4.391	0.000	100	82326	10.0	9.59	
26 Methyl tert-butyl ether	73	4.417	4.417	0.000	96	247581	10.0	9.90	
24 trans-1,2-Dichloroethene	61	4.425	4.425	0.000	99	153387	10.0	10.1	
25 Hexane	56	4.684	4.684	0.000	95	76405	10.0	9.21	
33 Vinyl acetate	86	4.826	4.826	0.000	98	25115	11.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.841	4.841	0.000	96	199316	10.0	9.55	
29 Isopropyl ether	45	4.860	4.860	0.000	88	315700	10.0	10.3	
32 Tert-butyl ethyl ether	59	5.197	5.197	0.000	95	263756	10.0	10.3	
43 2-Butanone (MEK)	72	5.351	5.351	0.000	100	50080	10.0	9.98	
34 cis-1,2-Dichloroethene	61	5.370	5.370	0.000	83	181457	10.0	9.93	
38 Ethyl acetate	70	5.377	5.377	0.000	92	26650	10.0	9.52	
39 Methyl acrylate	55	5.426	5.426	0.000	100	166585	10.0	9.81	
* 35 Chlorobromomethane (IS)	130	5.595	5.595	0.000	95	126117	10.0	10.0	
41 Tetrahydrofuran	42	5.606	5.606	0.000	87	94868	10.0	9.40	
37 Chloroform	83	5.681	5.681	0.000	93	246691	10.0	9.50	
42 1,1,1-Trichloroethane	97	5.849	5.849	0.000	99	232735	10.0	9.37	
36 Cyclohexane	56	5.917	5.917	0.000	92	151052	10.0	9.88	
40 Carbon tetrachloride	117	5.992	5.992	0.000	97	240158	10.0	9.46	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.153	6.153	0.000	0	168845	10.0	9.82	
46 Benzene	78	6.179	6.179	0.000	96	356956	10.0	8.79	
48 1,2-Dichloroethane	62	6.224	6.224	0.000	98	158208	10.0	9.06	
44 Isooctane	57	6.292	6.292	0.000	95	528621	10.0	10.9	
47 Tert-amyl methyl ether	73	6.292	6.292	0.000	85	268813	10.0	10.2	
45 n-Heptane	71	6.438	6.438	0.000	89	118457	10.0	10.1	
* 50 1,4-Difluorobenzene	114	6.569	6.569	0.000	94	520046	10.0	10.0	
49 Trichloroethene	130	6.805	6.805	0.000	98	157574	10.0	8.86	
52 Ethyl acrylate	55	6.862	6.862	0.000	99	191685	10.0	8.89	
53 1,2-Dichloropropane	63	7.064	7.064	0.000	93	135104	10.0	8.44	
55 Methyl methacrylate	69	7.090	7.090	0.000	91	104341	10.0	9.10	
56 1,4-Dioxane	88	7.120	7.120	0.000	90	55178	10.0	10.0	
51 Dibromomethane	174	7.150	7.150	0.000	92	130969	10.0	9.22	
54 Dichlorobromomethane	83	7.315	7.315	0.000	99	253857	10.0	9.02	
57 cis-1,3-Dichloropropene	75	7.754	7.754	0.000	97	177906	10.0	8.92	
60 4-Methyl-2-pentanone (MIBK)	43	7.892	7.892	0.000	97	206592	10.0	9.15	
$ 103 Toluene-d8 (Surr)	98	8.031	8.031	0.000	93	602505	10.0	10.4	
59 Toluene	91	8.102	8.102	0.000	97	444928	10.0	9.72	
58 n-Octane	43	8.219	8.219	0.000	87	244066	10.0	10.4	
62 trans-1,3-Dichloropropene	75	8.335	8.335	0.000	89	163941	10.0	10.1	
63 Ethyl methacrylate	69	8.376	8.376	0.000	88	166102	10.0	9.88	
64 1,1,2-Trichloroethane	97	8.548	8.548	0.000	90	153383	10.0	9.27	
61 Tetrachloroethene	166	8.650	8.650	0.000	92	198867	10.0	8.99	
67 2-Hexanone	43	8.770	8.770	0.000	98	187286	10.0	9.87	
65 Chlorodibromomethane	127	8.961	8.961	0.000	90	189204	10.0	9.83	
66 Ethylene Dibromide	107	9.096	9.096	0.000	99	216175	10.0	9.71	
* 68 Chlorobenzene-d5 (IS)	117	9.606	9.606	0.000	88	496948	10.0	10.0	
69 Chlorobenzene	112	9.639	9.639	0.000	95	340332	10.0	9.33	
71 1,1,1,2-Tetrachloroethane	131	9.733	9.733	0.000	96	176163	10.0	9.73	
70 Ethylbenzene	91	9.741	9.741	0.000	98	517114	10.0	10.0	
72 m-Xylene & p-Xylene	91	9.891	9.891	0.000	98	395445	10.0	10.4	
73 o-Xylene	91	10.329	10.329	0.000	97	376567	10.0	10.4	
74 Styrene	104	10.352	10.352	0.000	95	270622	10.0	11.0	
75 Bromoform	173	10.565	10.565	0.000	94	199467	10.0	10.1	
76 Isopropylbenzene	105	10.756	10.756	0.000	97	515724	10.0	10.7	
79 1,1,2,2-Tetrachloroethane	83	11.120	11.120	0.000	95	314122	10.0	9.55	M
78 Bromobenzene	156	11.135	11.135	0.000	95	173419	10.0	9.60	
83 1,2,3-Trichloropropane	110	11.191	11.191	0.000	85	89932	10.0	9.60	
77 N-Propylbenzene	120	11.244	11.244	0.000	99	150140	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
81 2-Chlorotoluene	126	11.353	11.353	0.000	97	136142	10.0	10.0	
80 4-Ethyltoluene	105	11.382	11.382	0.000	98	548835	10.0	10.9	
82 1,3,5-Trimethylbenzene	105	11.454	11.454	0.000	94	457831	10.0	10.8	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	91	164965	10.0	9.90	
85 tert-Butylbenzene	119	11.795	11.795	0.000	93	424732	10.0	11.0	
86 1,2,4-Trimethylbenzene	105	11.855	11.855	0.000	97	429567	10.0	11.1	
87 sec-Butylbenzene	105	12.027	12.027	0.000	95	627068	10.0	10.8	
89 1,3-Dichlorobenzene	146	12.151	12.151	0.000	96	277874	10.0	9.13	
88 4-Isopropyltoluene	119	12.185	12.185	0.000	97	490660	10.0	10.9	
90 1,4-Dichlorobenzene	146	12.256	12.256	0.000	93	278800	10.0	9.32	
92 Benzyl chloride	126	12.368	12.368	0.000	98	57211	10.0	9.70	
91 n-Butylbenzene	92	12.586	12.586	0.000	97	228439	10.0	10.3	
94 1,2-Dichlorobenzene	146	12.605	12.605	0.000	96	266691	10.0	9.34	
93 Hexachloroethane	117	12.859	12.859	0.000	89	147938	10.0	10.5	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.321	0.000	81	108294	10.0	8.98	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	94	139203	8.70	7.24	
96 Hexachlorobutadiene	225	14.112	14.112	0.000	93	120589	10.0	8.17	
98 Naphthalene	128	14.217	14.217	0.000	97	339776	10.0	8.97	
S 100 1,2-Dichloroethene, Total	61				0	334844	20.0	20.0	
S 109 1,3-Dichloropropene, Total	75				0		20.0	19.0	
S 101 Xylenes, Total	91				0	772012	20.0	20.8	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRCAL10.0_00398	Amount Added: 200.00	Units: ml	
AIRIS200 ppb_00245	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 23-Oct-2023 13:43:56 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X03.D

Injection Date: 19-Oct-2023 15:19:23 Instrument ID: HP8R004

Lims ID: ICISAV CAL10 ppb

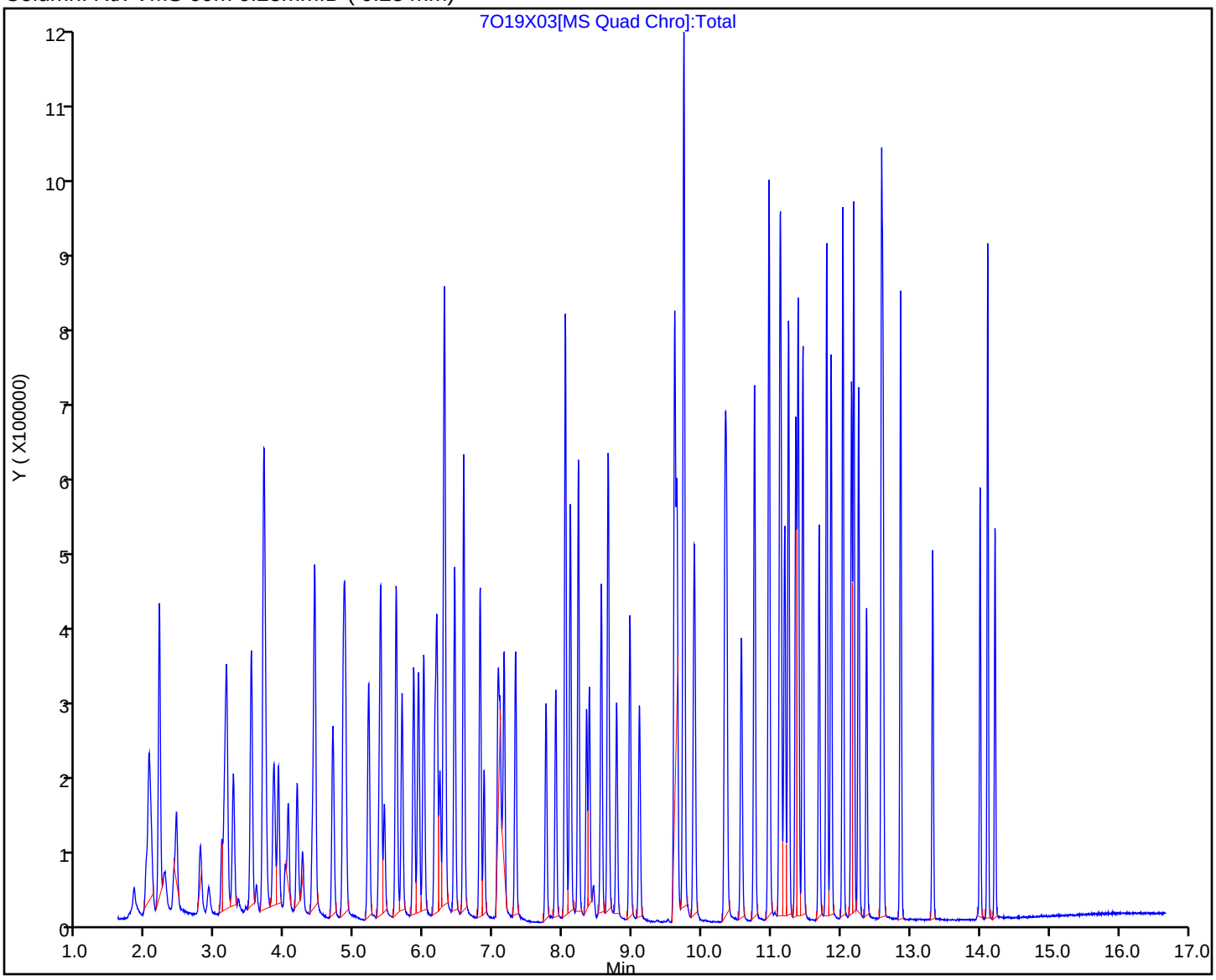
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 3

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

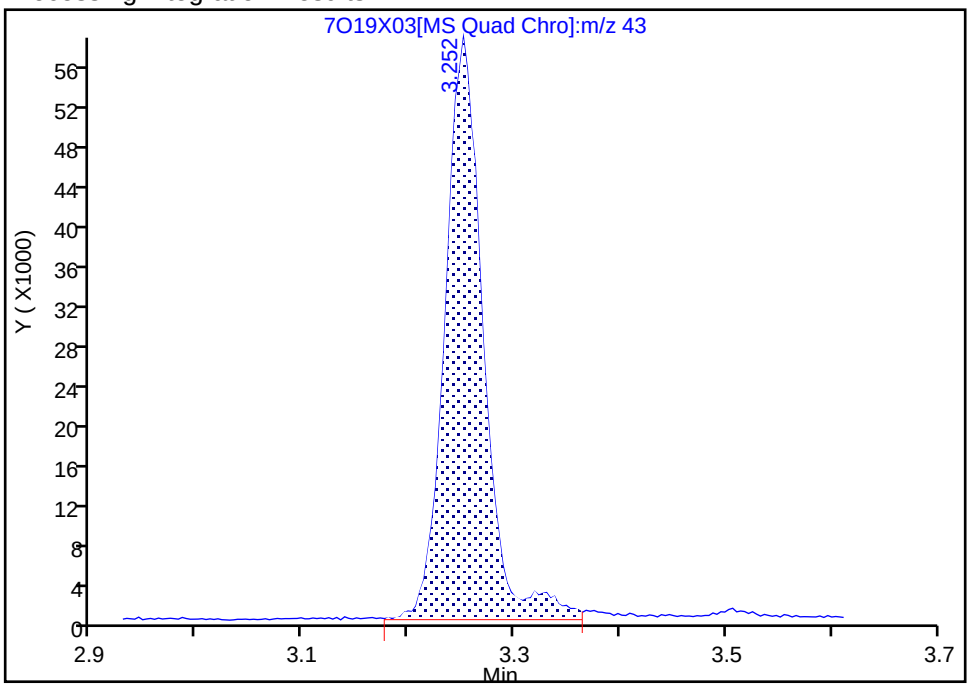
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X03.D				
Injection Date:	19-Oct-2023 15:19:23	Instrument ID:	HP8R004		
Lims ID:	ICISAV CAL10 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

11 Pentane, CAS: 109-66-0

Signal: 1

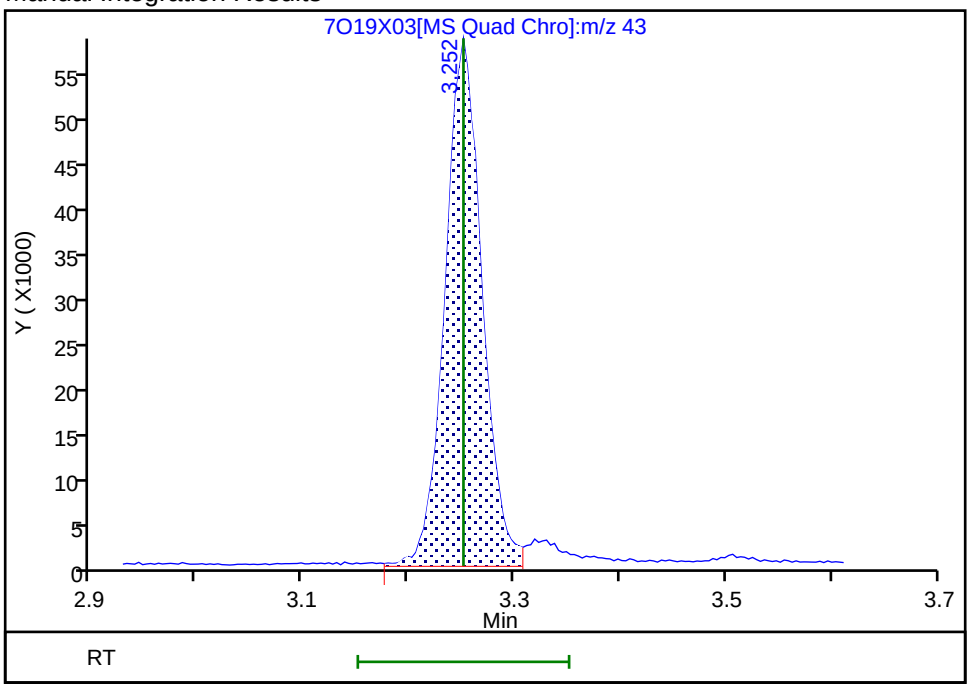
Processing Integration Results

RT: 3.25
Area: 146773
Amount: 9.128183
Amount Units: ppb v/v



Manual Integration Results

RT: 3.25
Area: 140190
Amount: 8.938730
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 08:44:47 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

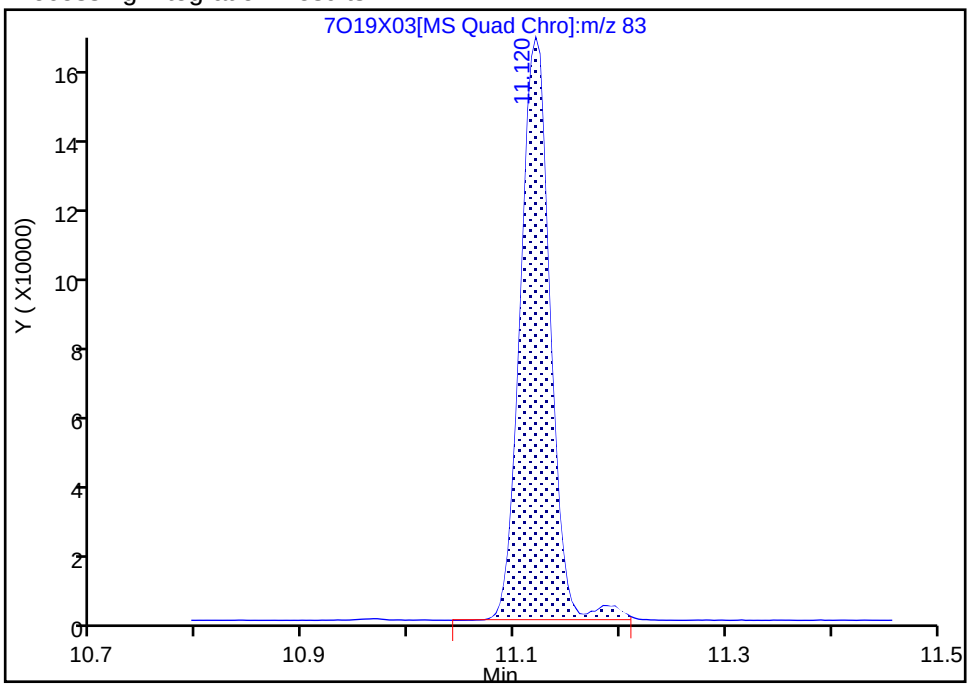
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X03.D				
Injection Date:	19-Oct-2023 15:19:23	Instrument ID:	HP8R004		
Lims ID:	ICISAV CAL10 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

79 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

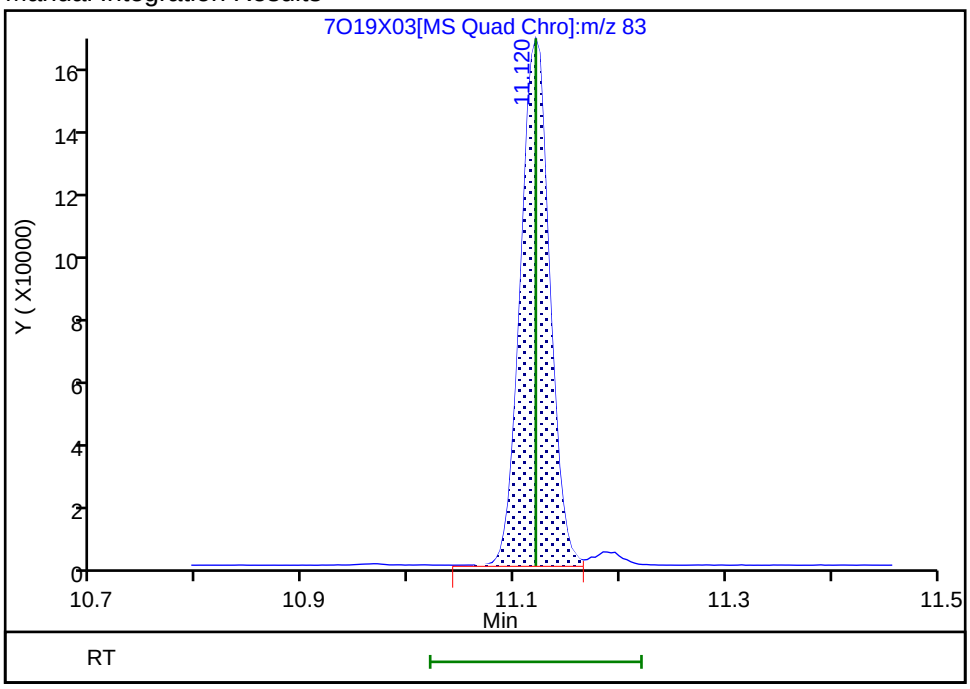
Processing Integration Results

RT: 11.12
Area: 321874
Amount: 9.758149
Amount Units: ppb v/v



Manual Integration Results

RT: 11.12
Area: 314122
Amount: 9.551192
Amount Units: ppb v/v



Reviewer: UKEK, 23-Oct-2023 13:29:11 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X04.D
Lims ID: IC CAL5 ppb
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Oct-2023 15:41:42 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC 5
Misc. Info.: 410-0094107-004
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub3

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 23-Oct-2023 13:44:10 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: MLX9 Date: 20-Oct-2023 07:57:56

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	1.981	1.981	0.000	98	34163	5.00	4.69	
2 Dichlorodifluoromethane	85	2.014	2.014	0.000	99	137772	5.00	5.02	
3 Chlorodifluoromethane	51	2.044	2.044	0.000	97	74657	5.00	4.82	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.164	2.164	0.000	98	148667	5.00	4.77	
5 Chloromethane	50	2.236	2.236	0.000	99	43258	5.00	4.68	
6 Vinyl chloride	62	2.382	2.382	0.000	98	51024	5.00	5.07	
7 Butadiene	54	2.408	2.408	0.000	92	32018	5.00	4.91	
8 Bromomethane	94	2.757	2.757	0.000	91	46171	5.00	4.98	
9 Chloroethane	64	2.869	2.869	0.000	99	29484	5.00	4.71	
10 Vinyl bromide	106	3.064	3.064	0.000	98	44672	5.00	5.02	
13 Dichlorofluoromethane	67	3.105	3.105	0.000	97	111851	5.00	5.05	
12 Trichlorofluoromethane	101	3.139	3.139	0.000	98	136842	5.00	4.54	
11 Pentane	43	3.233	3.233	0.000	96	67400	5.00	4.29	M
14 Ethanol	45	3.312	3.312	0.000	95	10840	5.00	4.75	
19 Acrolein	56	3.563	3.563	0.000	99	15178	5.00	4.26	
15 1,1-Dichloroethene	61	3.668	3.668	0.000	98	74508	5.00	4.82	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.683	3.683	0.000	95	80182	5.00	4.40	
23 Acetone	43	3.709	3.709	0.000	100	66022	5.00	4.40	
18 Iodomethane	142	3.814	3.814	0.000	99	110772	5.00	4.94	
20 Isopropyl alcohol	45	3.836	3.836	0.000	95	37374	5.00	4.38	
17 Carbon disulfide	76	3.885	3.885	0.000	99	143144	5.00	4.86	
28 Acetonitrile	41	3.986	3.986	0.000	98	31111	5.00	4.69	
21 3-Chloro-1-propene	41	4.028	4.028	0.000	86	55020	5.00	4.71	
22 Methylene Chloride	84	4.155	4.155	0.000	90	48091	5.00	4.61	
27 2-Methyl-2-propanol	59	4.237	4.237	0.000	93	36507	5.00	4.38	
31 Acrylonitrile	53	4.376	4.376	0.000	99	39763	5.00	4.62	
26 Methyl tert-butyl ether	73	4.406	4.406	0.000	97	115612	5.00	4.61	
24 trans-1,2-Dichloroethene	61	4.414	4.414	0.000	98	71769	5.00	4.73	
25 Hexane	56	4.680	4.680	0.000	93	37163	5.00	4.47	
33 Vinyl acetate	86	4.826	4.826	0.000	97	10928	5.50	4.83	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.833	4.833	0.000	96	95489	5.00	4.56	
29 Isopropyl ether	45	4.856	4.856	0.000	89	143904	5.00	4.69	
32 Tert-butyl ethyl ether	59	5.193	5.193	0.000	96	120654	5.00	4.69	
43 2-Butanone (MEK)	72	5.343	5.343	0.000	100	23282	5.00	4.63	
34 cis-1,2-Dichloroethene	61	5.362	5.362	0.000	81	83697	5.00	4.57	
38 Ethyl acetate	70	5.370	5.370	0.000	98	12984	5.00	4.63	
39 Methyl acrylate	55	5.418	5.418	0.000	100	76632	5.00	4.50	
* 35 Chlorobromomethane (IS)	130	5.587	5.587	0.000	93	126440	10.0	10.0	
41 Tetrahydrofuran	42	5.598	5.598	0.000	90	45183	5.00	4.47	
37 Chloroform	83	5.673	5.673	0.000	93	119071	5.00	4.57	
42 1,1,1-Trichloroethane	97	5.842	5.842	0.000	99	115710	5.00	4.65	
36 Cyclohexane	56	5.913	5.913	0.000	90	70017	5.00	4.57	
40 Carbon tetrachloride	117	5.984	5.984	0.000	96	118396	5.00	4.65	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.146	6.146	0.000	0	165487	10.0	9.60	
46 Benzene	78	6.176	6.176	0.000	95	171471	5.00	4.52	
48 1,2-Dichloroethane	62	6.220	6.220	0.000	98	74956	5.00	4.60	
44 Isooctane	57	6.284	6.284	0.000	96	233776	5.00	5.16	
47 Tert-amyl methyl ether	73	6.288	6.288	0.000	96	121138	5.00	4.94	
45 n-Heptane	71	6.434	6.434	0.000	91	52831	5.00	4.84	
* 50 1,4-Difluorobenzene	114	6.565	6.565	0.000	94	485732	10.0	10.0	
49 Trichloroethene	130	6.798	6.798	0.000	98	76294	5.00	4.59	
52 Ethyl acrylate	55	6.862	6.862	0.000	99	92621	5.00	4.60	
53 1,2-Dichloropropane	63	7.060	7.060	0.000	97	66858	5.00	4.47	
55 Methyl methacrylate	69	7.086	7.086	0.000	91	49178	5.00	4.59	
56 1,4-Dioxane	88	7.120	7.120	0.000	92	24503	5.00	4.76	
51 Dibromomethane	174	7.146	7.146	0.000	91	61376	5.00	4.63	
54 Dichlorobromomethane	83	7.311	7.311	0.000	99	120109	5.00	4.57	
57 cis-1,3-Dichloropropene	75	7.754	7.754	0.000	95	87162	5.00	4.68	
60 4-Methyl-2-pentanone (MIBK)	43	7.892	7.892	0.000	98	97253	5.00	4.61	
$ 103 Toluene-d8 (Surr)	98	8.031	8.031	0.000	93	572032	10.0	10.2	
59 Toluene	91	8.106	8.106	0.000	97	215542	5.00	4.85	
58 n-Octane	43	8.219	8.219	0.000	83	113537	5.00	4.97	
62 trans-1,3-Dichloropropene	75	8.335	8.335	0.000	93	76846	5.00	4.87	
63 Ethyl methacrylate	69	8.376	8.376	0.000	88	76218	5.00	4.66	
64 1,1,2-Trichloroethane	97	8.548	8.548	0.000	91	78494	5.00	4.88	
61 Tetrachloroethene	166	8.650	8.650	0.000	92	100724	5.00	4.69	
67 2-Hexanone	43	8.770	8.770	0.000	96	83600	5.00	4.54	
65 Chlorodibromomethane	127	8.961	8.961	0.000	89	91634	5.00	4.90	
66 Ethylene Dibromide	107	9.099	9.099	0.000	100	106612	5.00	4.93	
* 68 Chlorobenzene-d5 (IS)	117	9.606	9.606	0.000	87	482752	10.0	10.0	
69 Chlorobenzene	112	9.639	9.639	0.000	95	169386	5.00	4.78	
71 1,1,1,2-Tetrachloroethane	131	9.737	9.737	0.000	95	84177	5.00	4.79	
70 Ethylbenzene	91	9.741	9.741	0.000	98	244534	5.00	4.88	
72 m-Xylene & p-Xylene	91	9.890	9.890	0.000	98	182593	5.00	4.95	
73 o-Xylene	91	10.329	10.329	0.000	97	171983	5.00	4.88	
74 Styrene	104	10.355	10.355	0.000	94	117178	5.00	4.89	
75 Bromoform	173	10.565	10.565	0.000	93	93691	5.00	4.88	
76 Isopropylbenzene	105	10.753	10.753	0.000	96	233783	5.00	4.99	
79 1,1,2,2-Tetrachloroethane	83	11.120	11.120	0.000	95	154329	5.00	4.83	
78 Bromobenzene	156	11.135	11.135	0.000	96	84987	5.00	4.84	
83 1,2,3-Trichloropropane	110	11.191	11.191	0.000	85	42469	5.00	4.67	
77 N-Propylbenzene	120	11.244	11.244	0.000	99	69156	5.00	4.88	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
81 2-Chlorotoluene	126	11.352	11.352	0.000	97	66051	5.00	5.00	
80 4-Ethyltoluene	105	11.382	11.382	0.000	98	251120	5.00	5.13	
82 1,3,5-Trimethylbenzene	105	11.454	11.454	0.000	94	214700	5.00	5.23	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	92	72732	5.00	4.49	
85 tert-Butylbenzene	119	11.795	11.795	0.000	93	193878	5.00	5.19	
86 1,2,4-Trimethylbenzene	105	11.859	11.859	0.000	98	194588	5.00	5.17	
87 sec-Butylbenzene	105	12.027	12.027	0.000	95	287830	5.00	5.09	
89 1,3-Dichlorobenzene	146	12.151	12.151	0.000	97	142584	5.00	4.82	
88 4-Isopropyltoluene	119	12.185	12.185	0.000	96	222345	5.00	5.10	
90 1,4-Dichlorobenzene	146	12.256	12.256	0.000	94	143273	5.00	4.93	
92 Benzyl chloride	126	12.368	12.368	0.000	99	27026	5.00	4.72	
91 n-Butylbenzene	92	12.586	12.586	0.000	97	104556	5.00	4.86	
94 1,2-Dichlorobenzene	146	12.608	12.608	0.000	96	132560	5.00	4.78	
93 Hexachloroethane	117	12.859	12.859	0.000	85	70019	5.00	5.10	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.321	0.000	85	50164	5.00	4.28	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	95	68143	4.35	3.65	
96 Hexachlorobutadiene	225	14.112	14.112	0.000	93	58993	5.00	4.12	
98 Naphthalene	128	14.220	14.220	0.000	97	153935	5.00	4.18	
S 100 1,2-Dichloroethene, Total	61				0	155466	10.0	9.28	
S 109 1,3-Dichloropropene, Total	75				0		10.0	9.55	
S 101 Xylenes, Total	91				0	354576	10.0	9.83	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRCAL10.0_00398	Amount Added: 100.00	Units: ml	
AIRIS200 ppb_00245	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 23-Oct-2023 13:44:11 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X04.D

Injection Date: 19-Oct-2023 15:41:42 Instrument ID: HP8R004

Lims ID: IC CAL5 ppb

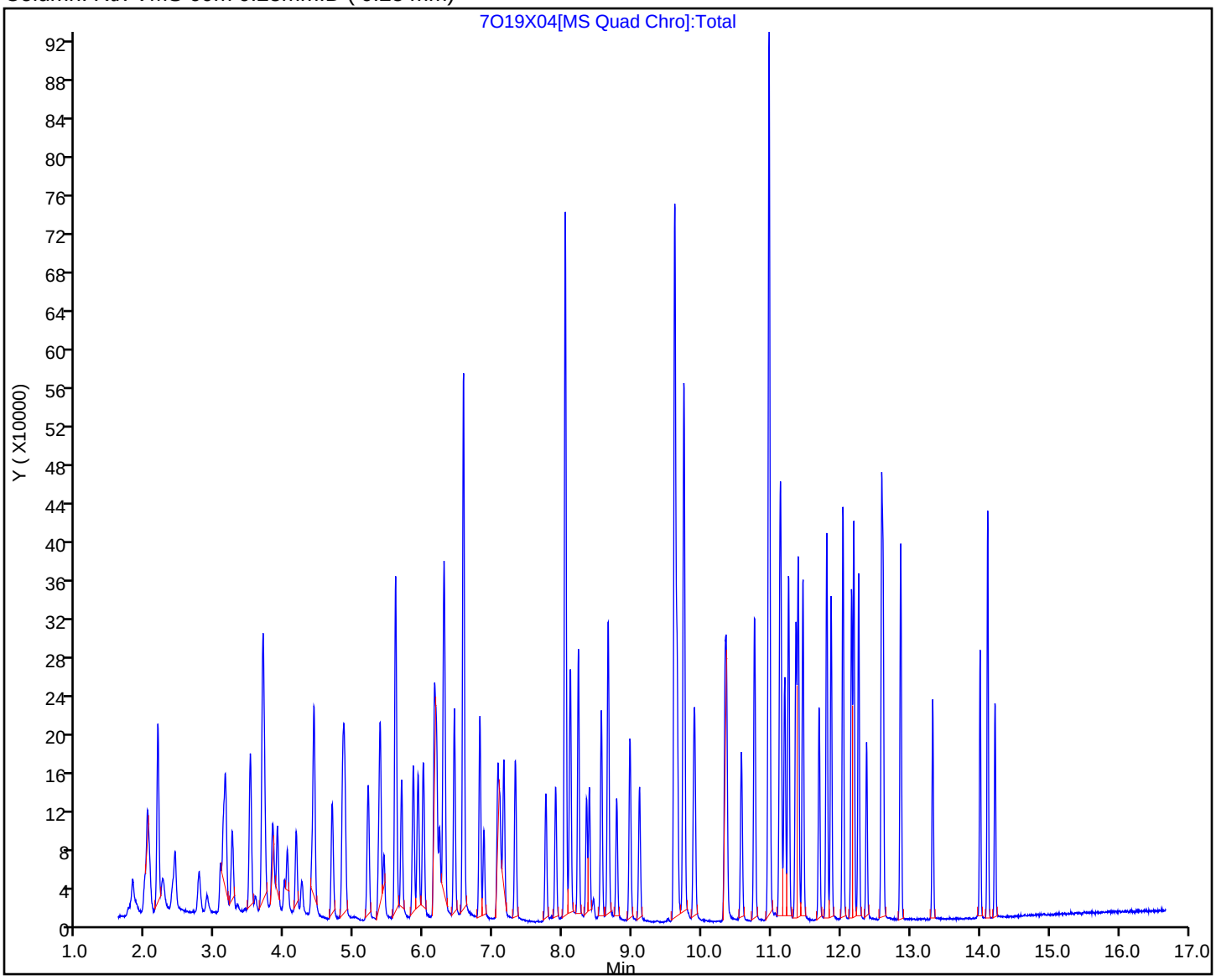
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 4

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

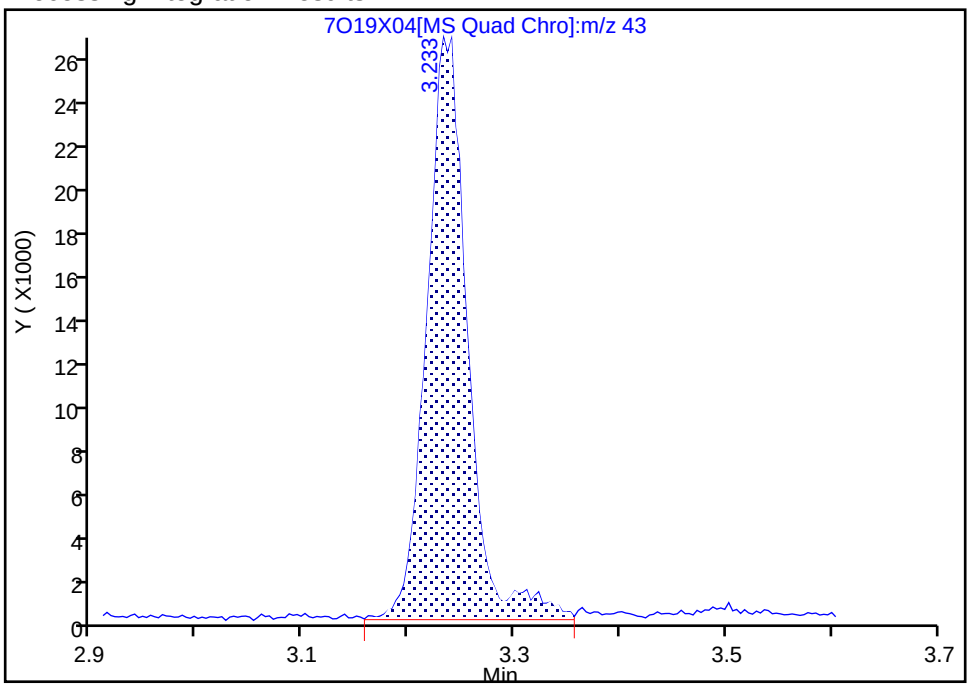
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Injection Date:	19-Oct-2023 15:41:42	Instrument ID:	HP8R004		
Lims ID:	IC CAL5 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	4
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

11 Pentane, CAS: 109-66-0

Signal: 1

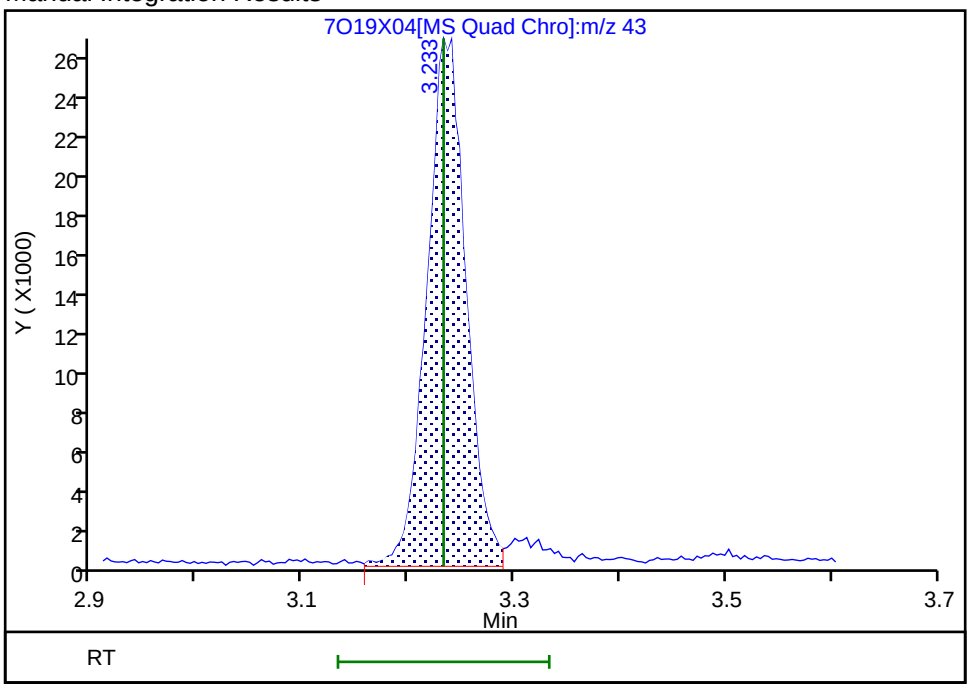
Processing Integration Results

RT: 3.23
Area: 70939
Amount: 4.423241
Amount Units: ppb v/v



Manual Integration Results

RT: 3.23
Area: 67400
Amount: 4.286549
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 08:51:36 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X05.D
Lims ID: IC CAL2 ppb
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 19-Oct-2023 16:03:47 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC 2
Misc. Info.: 410-0094107-005
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub3

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 23-Oct-2023 13:44:22 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: MLX9 Date: 20-Oct-2023 07:58:29

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	1.981	1.981	0.000	97	12575	2.00	1.97	
2 Dichlorodifluoromethane	85	2.011	2.014	-0.004	98	49873	2.00	2.07	
3 Chlorodifluoromethane	51	2.037	2.044	-0.007	97	28069	2.00	2.07	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.160	2.164	-0.004	97	54469	2.00	1.99	
5 Chloromethane	50	2.224	2.236	-0.012	97	15455	2.00	1.91	
6 Vinyl chloride	62	2.378	2.382	-0.004	94	17305	2.00	1.96	
7 Butadiene	54	2.408	2.408	0.000	88	10967	2.00	1.92	
8 Bromomethane	94	2.756	2.757	-0.001	91	16741	2.00	2.06	
9 Chloroethane	64	2.861	2.869	-0.008	99	11439	2.00	2.09	M
10 Vinyl bromide	106	3.064	3.064	0.000	97	15396	2.00	1.97	
13 Dichlorofluoromethane	67	3.101	3.105	-0.004	96	39952	2.00	2.06	
12 Trichlorofluoromethane	101	3.139	3.139	0.000	98	54490	2.00	2.06	
11 Pentane	43	3.229	3.233	-0.004	93	25494	2.00	1.85	
14 Ethanol	45	3.308	3.312	-0.004	92	4236	2.00	2.12	
19 Acrolein	56	3.566	3.563	0.003	97	6109	2.00	1.95	
15 1,1-Dichloroethene	61	3.671	3.668	0.003	97	26351	2.00	1.94	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.679	3.683	-0.004	95	33149	2.00	2.08	
23 Acetone	43	3.709	3.709	0.000	100	24953	2.00	1.90	
18 Iodomethane	142	3.817	3.814	0.003	99	39253	2.00	2.00	
20 Isopropyl alcohol	45	3.836	3.836	0.000	96	13366	2.00	1.79	
17 Carbon disulfide	76	3.889	3.885	0.004	99	50330	2.00	1.95	
28 Acetonitrile	41	3.982	3.986	-0.004	97	11059	2.00	1.90	
21 3-Chloro-1-propene	41	4.024	4.028	-0.004	88	19277	2.00	1.88	Ma
22 Methylene Chloride	84	4.151	4.155	-0.004	88	18502	2.00	2.02	
27 2-Methyl-2-propanol	59	4.241	4.237	0.004	94	14629	2.00	2.00	
31 Acrylonitrile	53	4.376	4.376	0.000	99	14945	2.00	1.98	
26 Methyl tert-butyl ether	73	4.410	4.406	0.004	97	41035	2.00	1.87	
24 trans-1,2-Dichloroethene	61	4.413	4.414	-0.001	98	25679	2.00	1.93	
25 Hexane	56	4.672	4.680	-0.008	94	14324	2.00	1.96	
33 Vinyl acetate	86	4.811	4.826	-0.015	97	4010	2.20	2.02	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.830	4.833	-0.003	96	36039	2.00	1.97	
29 Isopropyl ether	45	4.848	4.856	-0.008	88	51545	2.00	1.92	
32 Tert-butyl ethyl ether	59	5.189	5.193	-0.004	94	43685	2.00	1.94	
43 2-Butanone (MEK)	72	5.343	5.343	0.000	100	9228	2.00	2.09	
34 cis-1,2-Dichloroethene	61	5.362	5.362	0.000	80	30571	2.00	1.90	
38 Ethyl acetate	70	5.369	5.370	-0.001	96	4685	2.00	1.90	
39 Methyl acrylate	55	5.418	5.418	0.000	99	28590	2.00	1.92	
* 35 Chlorobromomethane (IS)	130	5.587	5.587	0.000	94	110812	10.0	10.0	
41 Tetrahydrofuran	42	5.602	5.598	0.004	91	17683	2.00	1.99	
37 Chloroform	83	5.673	5.673	0.000	93	45236	2.00	1.98	
42 1,1,1-Trichloroethane	97	5.838	5.842	-0.004	98	43499	2.00	1.99	
36 Cyclohexane	56	5.913	5.913	0.000	91	24980	2.00	1.86	
40 Carbon tetrachloride	117	5.988	5.984	0.004	96	44990	2.00	2.02	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.145	6.146	-0.001	0	151877	10.0	10.1	
46 Benzene	78	6.179	6.176	0.003	94	69231	2.00	1.95	
48 1,2-Dichloroethane	62	6.220	6.220	0.000	97	30487	2.00	2.00	
44 Isooctane	57	6.280	6.284	-0.004	90	77288	2.00	1.83	
47 Tert-amyl methyl ether	73	6.284	6.288	-0.004	91	42501	2.00	1.85	
45 n-Heptane	71	6.438	6.434	0.004	85	18757	2.00	1.84	
* 50 1,4-Difluorobenzene	114	6.565	6.565	0.000	96	454160	10.0	10.0	
49 Trichloroethene	130	6.801	6.798	0.003	99	30578	2.00	1.97	
52 Ethyl acrylate	55	6.858	6.862	-0.004	99	33620	2.00	1.78	
53 1,2-Dichloropropane	63	7.056	7.060	-0.004	95	26619	2.00	1.90	
55 Methyl methacrylate	69	7.086	7.086	0.000	91	17823	2.00	1.78	
56 1,4-Dioxane	88	7.120	7.120	0.000	94	9068	2.00	1.88	
51 Dibromomethane	174	7.146	7.146	0.000	92	23594	2.00	1.90	
54 Dichlorobromomethane	83	7.311	7.311	0.000	99	48249	2.00	1.96	
57 cis-1,3-Dichloropropene	75	7.750	7.754	-0.004	96	32543	2.00	1.87	
60 4-Methyl-2-pentanone (MIBK)	43	7.892	7.892	0.000	98	38447	2.00	1.95	
$ 103 Toluene-d8 (Surr)	98	8.031	8.031	0.000	94	535411	10.0	9.74	
59 Toluene	91	8.102	8.106	-0.004	97	85186	2.00	1.95	
58 n-Octane	43	8.218	8.219	-0.001	86	41305	2.00	1.84	
62 trans-1,3-Dichloropropene	75	8.338	8.335	0.003	93	28696	2.00	1.86	
63 Ethyl methacrylate	69	8.376	8.376	0.000	89	29038	2.00	1.81	
64 1,1,2-Trichloroethane	97	8.552	8.548	0.004	90	31437	2.00	1.99	
61 Tetrachloroethene	166	8.649	8.650	-0.001	93	39841	2.00	1.89	
67 2-Hexanone	43	8.773	8.770	0.003	97	33637	2.00	1.86	
65 Chlorodibromomethane	127	8.964	8.961	0.003	90	36174	2.00	1.97	
66 Ethylene Dibromide	107	9.099	9.099	0.000	99	42395	2.00	2.00	
* 68 Chlorobenzene-d5 (IS)	117	9.605	9.606	-0.001	86	473639	10.0	10.0	
69 Chlorobenzene	112	9.639	9.639	0.000	96	70416	2.00	2.02	
71 1,1,1,2-Tetrachloroethane	131	9.737	9.737	0.000	94	34226	2.00	1.98	
70 Ethylbenzene	91	9.744	9.741	0.003	98	92550	2.00	1.88	
72 m-Xylene & p-Xylene	91	9.887	9.890	-0.003	98	66628	2.00	1.84	
73 o-Xylene	91	10.333	10.329	0.004	97	62122	2.00	1.80	
74 Styrene	104	10.351	10.355	-0.004	94	40108	2.00	1.71	
75 Bromoform	173	10.565	10.565	0.000	93	35324	2.00	1.88	
76 Isopropylbenzene	105	10.756	10.753	0.003	96	82836	2.00	1.80	
79 1,1,2,2-Tetrachloroethane	83	11.124	11.120	0.004	95	61377	2.00	1.96	M
78 Bromobenzene	156	11.139	11.135	0.004	96	33645	2.00	1.95	
83 1,2,3-Trichloropropane	110	11.195	11.191	0.004	85	17663	2.00	1.98	
77 N-Propylbenzene	120	11.244	11.244	0.000	99	25535	2.00	1.84	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
81 2-Chlorotoluene	126	11.352	11.352	0.000	97	24860	2.00	1.92	
80 4-Ethyltoluene	105	11.386	11.382	0.004	96	89710	2.00	1.87	
82 1,3,5-Trimethylbenzene	105	11.453	11.454	-0.001	95	75556	2.00	1.88	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	92	27219	2.00	1.71	
85 tert-Butylbenzene	119	11.795	11.795	0.000	93	68061	2.00	1.86	
86 1,2,4-Trimethylbenzene	105	11.858	11.859	-0.001	97	67644	2.00	1.83	
87 sec-Butylbenzene	105	12.027	12.027	0.000	95	104160	2.00	1.88	
89 1,3-Dichlorobenzene	146	12.154	12.151	0.003	97	56275	2.00	1.94	
88 4-Isopropyltoluene	119	12.184	12.185	-0.001	96	75473	2.00	1.76	
90 1,4-Dichlorobenzene	146	12.256	12.256	0.000	94	56121	2.00	1.97	
92 Benzyl chloride	126	12.368	12.368	0.000	98	9949	2.00	1.77	
91 n-Butylbenzene	92	12.586	12.586	0.000	98	36787	2.00	1.74	
94 1,2-Dichlorobenzene	146	12.608	12.608	0.000	96	51972	2.00	1.91	
93 Hexachloroethane	117	12.859	12.859	0.000	84	26991	2.00	2.00	
95 1,2-Dibromo-3-Chloropropane	157	13.324	13.321	0.003	81	20330	2.00	1.77	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	94	26289	1.74	1.43	
96 Hexachlorobutadiene	225	14.111	14.112	-0.001	92	23588	2.00	1.68	
98 Naphthalene	128	14.216	14.220	-0.004	97	56471	2.00	1.56	
S 100 1,2-Dichloroethene, Total	61				0	56250	4.00	3.83	
S 109 1,3-Dichloropropene, Total	75				0		4.00	3.72	
S 101 Xylenes, Total	91				0	128750	4.00	3.64	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL10.0_00398	Amount Added:	40.00	Units: ml	
AIRIS200 ppb_00245	Amount Added:	10.00	Units: mL	Run Reagent

Report Date: 23-Oct-2023 13:44:22 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X05.D

Injection Date: 19-Oct-2023 16:03:47 Instrument ID: HP8R004

Lims ID: IC CAL2 ppb

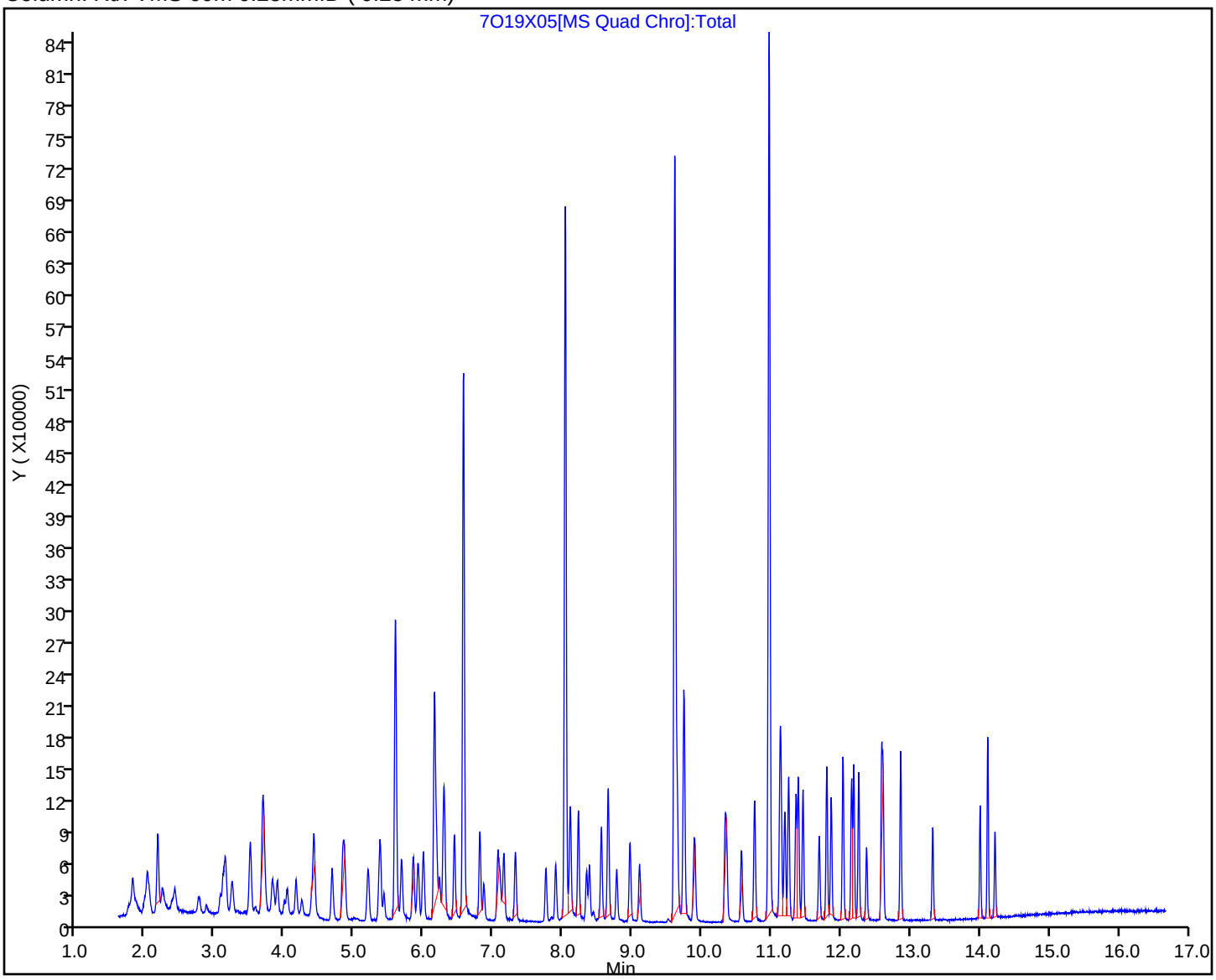
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 5

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

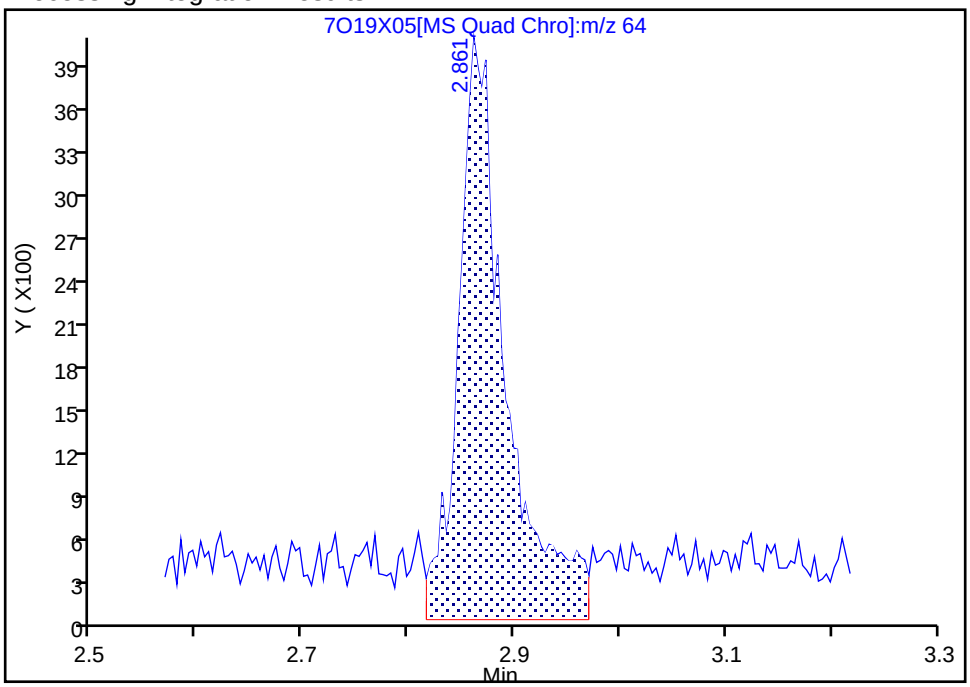
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Injection Date:	19-Oct-2023 16:03:47	Instrument ID:	HP8R004		
Lims ID:	IC CAL2 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

9 Chloroethane, CAS: 75-00-3

Signal: 1

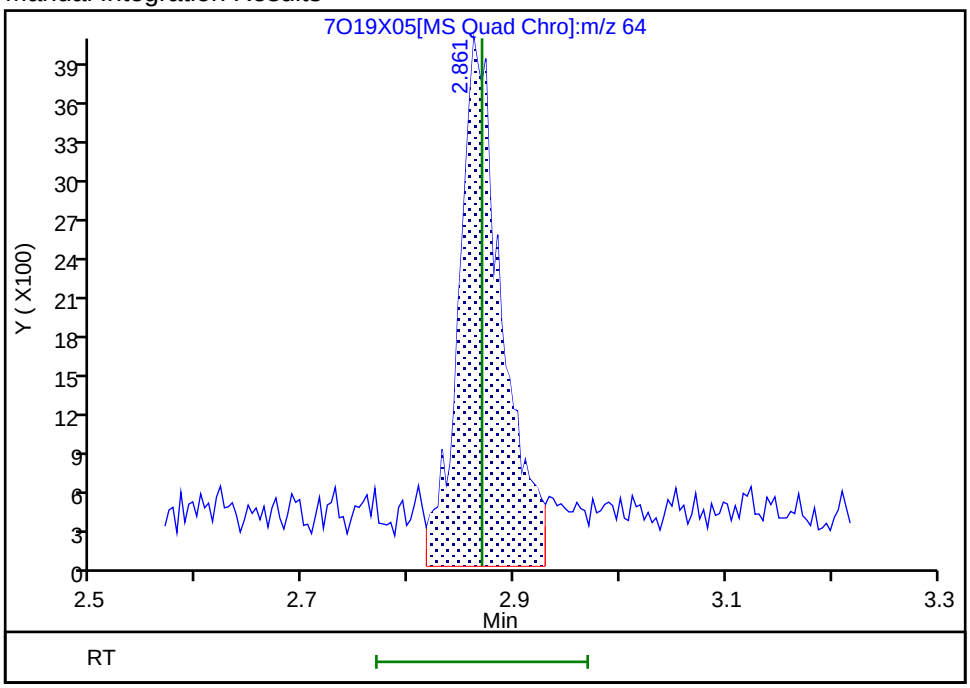
Processing Integration Results

RT: 2.86
Area: 12559
Amount: 2.480701
Amount Units: ppb v/v



Manual Integration Results

RT: 2.86
Area: 11439
Amount: 2.086040
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 08:52:46 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

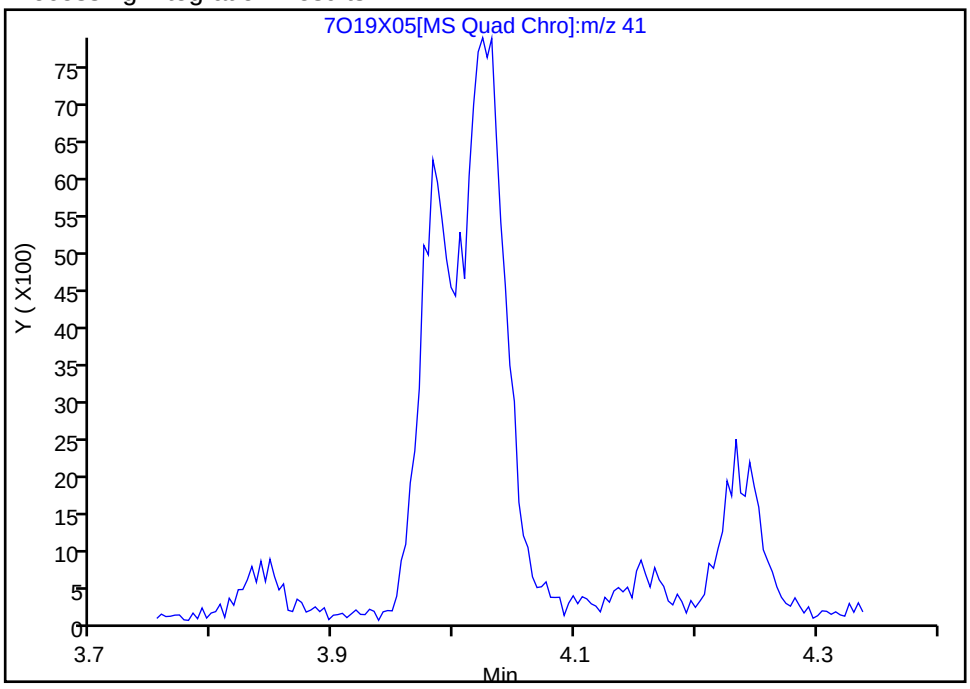
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Injection Date:	19-Oct-2023 16:03:47	Instrument ID:	HP8R004		
Lims ID:	IC CAL2 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

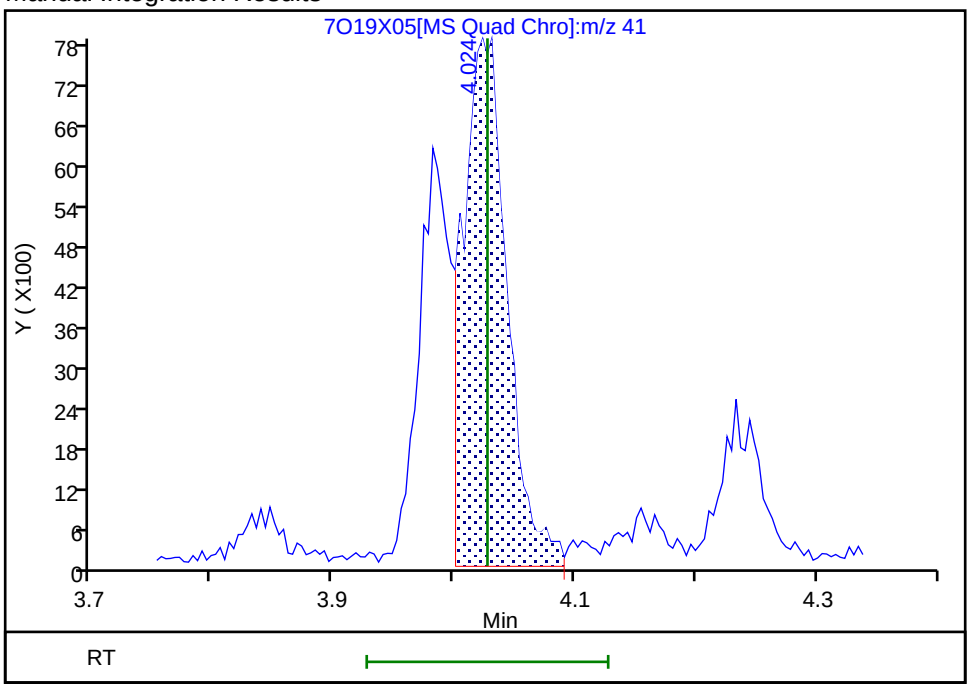
Not Detected
Expected RT: 4.03

Processing Integration Results



Manual Integration Results

RT: 4.02
Area: 19277
Amount: 1.883780
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 07:58:19 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

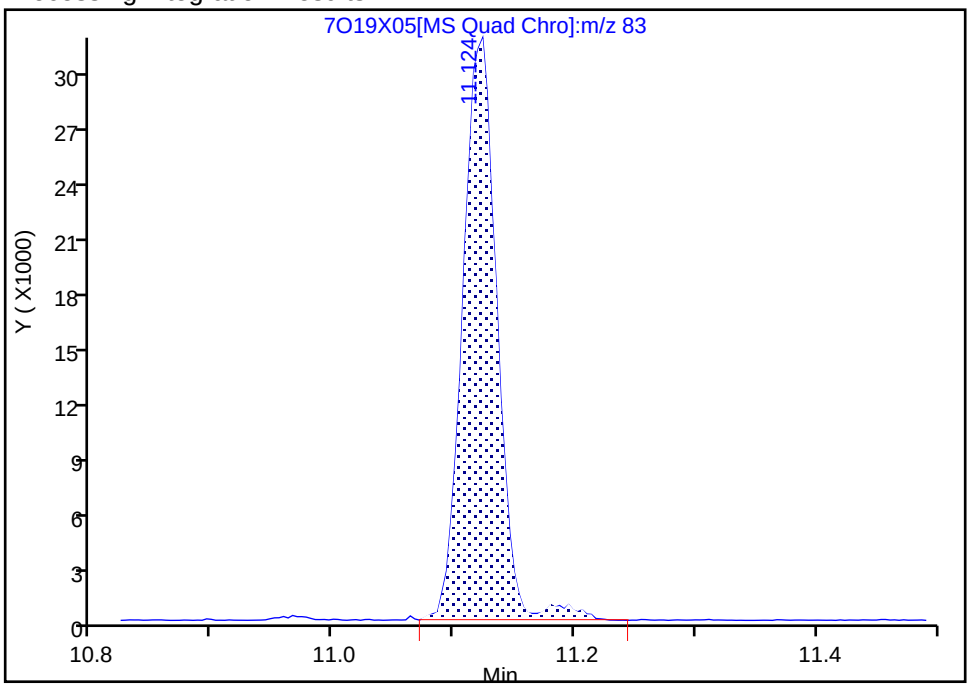
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Injection Date:	19-Oct-2023 16:03:47	Instrument ID:	HP8R004		
Lims ID:	IC CAL2 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

79 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

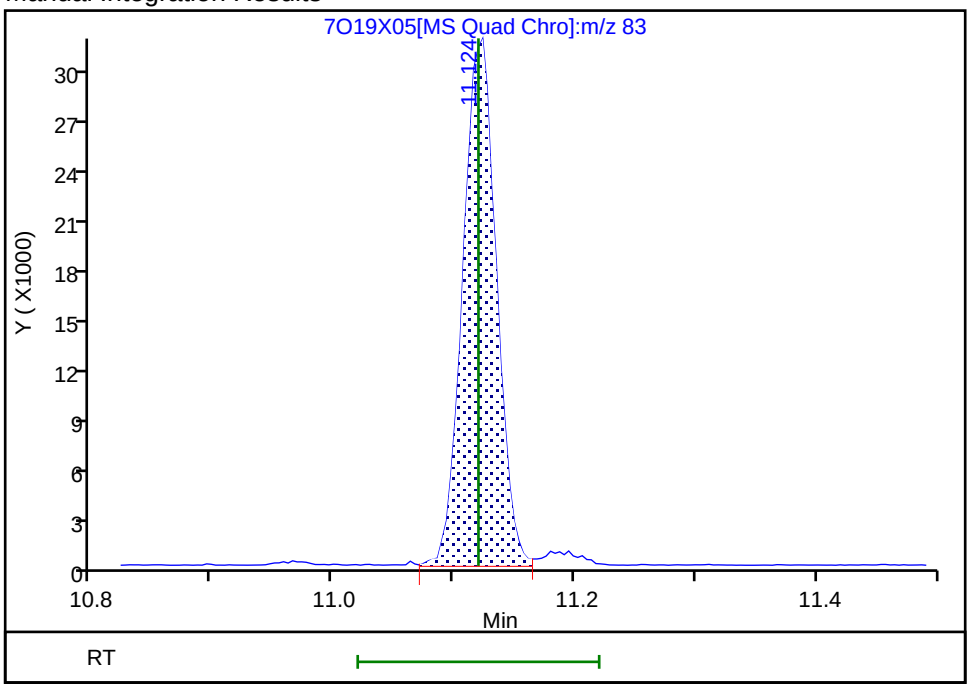
Processing Integration Results

RT: 11.12
Area: 63178
Amount: 1.977608
Amount Units: ppb v/v



Manual Integration Results

RT: 11.12
Area: 61377
Amount: 1.958071
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:02:28 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X06.D
Lims ID: IC CAL1 ppb
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Oct-2023 16:25:55 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC 1
Misc. Info.: 410-0094107-006
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub3

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 23-Oct-2023 13:44:34 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: MLX9 Date: 20-Oct-2023 07:58:58

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	1.977	1.981	-0.004	98	6200	1.00	1.05	
2 Dichlorodifluoromethane	85	2.011	2.014	-0.003	99	21607	1.00	0.9729	
3 Chlorodifluoromethane	51	2.041	2.044	-0.003	94	12296	1.00	0.9815	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.161	2.164	-0.003	97	26997	1.00	1.07	
5 Chloromethane	50	2.232	2.236	-0.004	68	7528	1.00	1.01	
6 Vinyl chloride	62	2.371	2.382	-0.011	87	6781	1.00	0.8330	
7 Butadiene	54	2.404	2.408	-0.004	91	5018	1.00	0.9519	
8 Bromomethane	94	2.749	2.757	-0.008	88	6571	1.00	0.8771	
9 Chloroethane	64	2.862	2.869	-0.007	93	4582	1.00	0.9054	M
10 Vinyl bromide	106	3.064	3.064	0.000	85	6568	1.00	0.9118	
13 Dichlorofluoromethane	67	3.102	3.105	-0.003	96	17679	1.00	0.9877	
12 Trichlorofluoromethane	101	3.135	3.139	-0.004	97	27628	1.00	1.13	
11 Pentane	43	3.233	3.233	0.000	96	12626	1.00	0.99	
14 Ethanol	45	3.308	3.312	-0.004	77	2334	1.00	1.26	
19 Acrolein	56	3.570	3.563	0.007	90	2650	1.00	0.9187	
15 1,1-Dichloroethene	61	3.668	3.668	0.000	97	12575	1.00	1.01	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.679	3.683	-0.004	94	16797	1.00	1.14	
23 Acetone	43	3.709	3.709	0.000	98	11932	1.00	0.9843	
18 Iodomethane	142	3.814	3.814	0.000	99	18354	1.00	1.01	
20 Isopropyl alcohol	45	3.836	3.836	0.000	91	7193	1.00	1.04	
17 Carbon disulfide	76	3.881	3.885	-0.004	98	23589	1.00	0.9898	
28 Acetonitrile	41	3.994	3.986	0.008	73	5567	1.00	1.04	
21 3-Chloro-1-propene	41	4.031	4.028	0.003	92	8418	1.00	0.8914	Ma
22 Methylene Chloride	84	4.151	4.155	-0.004	87	8635	1.00	1.02	
27 2-Methyl-2-propanol	59	4.238	4.237	0.001	95	7104	1.00	1.05	
31 Acrylonitrile	53	4.380	4.376	0.004	98	6775	1.00	0.9729	
26 Methyl tert-butyl ether	73	4.410	4.406	0.004	96	18711	1.00	0.9228	
24 trans-1,2-Dichloroethene	61	4.414	4.414	0.000	95	12227	1.00	1.00	
25 Hexane	56	4.672	4.680	-0.008	95	7309	1.00	1.09	
33 Vinyl acetate	86	4.811	4.826	-0.015	97	2044	1.10	1.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.826	4.833	-0.007	97	18791	1.00	1.11	
29 Isopropyl ether	45	4.845	4.856	-0.011	87	23260	1.00	0.9375	
32 Tert-butyl ethyl ether	59	5.190	5.193	-0.003	94	19486	1.00	0.9371	
43 2-Butanone (MEK)	72	5.347	5.343	0.004	99	4117	1.00	1.01	
34 cis-1,2-Dichloroethene	61	5.366	5.362	0.004	81	15712	1.00	1.06	
38 Ethyl acetate	70	5.373	5.370	0.003	92	2498	1.00	1.10	
39 Methyl acrylate	55	5.418	5.418	0.000	100	13943	1.00	1.01	
* 35 Chlorobromomethane (IS)	130	5.583	5.587	-0.004	94	102262	10.0	10.0	
41 Tetrahydrofuran	42	5.602	5.598	0.004	83	8381	1.00	1.02	
37 Chloroform	83	5.673	5.673	0.000	92	23356	1.00	1.11	
42 1,1,1-Trichloroethane	97	5.846	5.842	0.004	97	20556	1.00	1.02	
36 Cyclohexane	56	5.906	5.913	-0.007	92	11732	1.00	0.9461	
40 Carbon tetrachloride	117	5.988	5.984	0.004	96	22384	1.00	1.09	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.146	6.146	0.000	0	147617	10.0	10.6	
46 Benzene	78	6.176	6.176	0.000	93	36130	1.00	1.09	
48 1,2-Dichloroethane	62	6.221	6.220	0.001	97	15165	1.00	1.06	
44 Isooctane	57	6.281	6.284	-0.003	92	34157	1.00	0.8609	
47 Tert-amyl methyl ether	73	6.284	6.288	-0.004	89	18620	1.00	0.8662	
45 n-Heptane	71	6.431	6.434	-0.003	89	9048	1.00	0.9454	
* 50 1,4-Difluorobenzene	114	6.566	6.565	0.001	94	425513	10.0	10.0	
49 Trichloroethene	130	6.802	6.798	0.004	98	16060	1.00	1.10	
52 Ethyl acrylate	55	6.862	6.862	0.000	99	17404	1.00	0.9860	
53 1,2-Dichloropropane	63	7.060	7.060	0.000	95	14575	1.00	1.11	
55 Methyl methacrylate	69	7.090	7.086	0.004	84	9012	1.00	0.9603	
56 1,4-Dioxane	88	7.124	7.120	0.004	83	4377	1.00	0.9708	
51 Dibromomethane	174	7.147	7.146	0.001	88	11857	1.00	1.02	
54 Dichlorobromomethane	83	7.312	7.311	0.001	99	24296	1.00	1.05	
57 cis-1,3-Dichloropropene	75	7.750	7.754	-0.004	96	16183	1.00	0.99	
60 4-Methyl-2-pentanone (MIBK)	43	7.893	7.892	0.001	97	17365	1.00	0.9397	
$ 103 Toluene-d8 (Surr)	98	8.031	8.031	0.000	94	528547	10.0	9.62	
59 Toluene	91	8.099	8.106	-0.007	97	44432	1.00	1.02	
58 n-Octane	43	8.219	8.219	0.000	78	20503	1.00	0.9154	
62 trans-1,3-Dichloropropene	75	8.339	8.335	0.004	93	15078	1.00	0.9757	
63 Ethyl methacrylate	69	8.376	8.376	0.000	91	13437	1.00	0.8389	
64 1,1,2-Trichloroethane	97	8.549	8.548	0.001	91	16417	1.00	1.04	
61 Tetrachloroethene	166	8.650	8.650	0.000	91	20498	1.00	0.9728	
67 2-Hexanone	43	8.770	8.770	0.000	97	16584	1.00	0.9181	
65 Chlorodibromomethane	127	8.965	8.961	0.004	89	18624	1.00	1.02	
66 Ethylene Dibromide	107	9.100	9.099	0.001	100	21003	1.00	0.99	
* 68 Chlorobenzene-d5 (IS)	117	9.606	9.606	0.000	86	473237	10.0	10.0	
69 Chlorobenzene	112	9.639	9.639	0.000	96	36089	1.00	1.04	
71 1,1,1,2-Tetrachloroethane	131	9.733	9.737	-0.004	94	17352	1.00	1.01	
70 Ethylbenzene	91	9.741	9.741	0.000	98	47428	1.00	0.9660	
72 m-Xylene & p-Xylene	91	9.891	9.890	0.001	97	33609	1.00	0.9299	
73 o-Xylene	91	10.329	10.329	0.000	96	31047	1.00	0.8988	
74 Styrene	104	10.355	10.355	0.000	96	19424	1.00	0.8273	
75 Bromoform	173	10.565	10.565	0.000	93	18226	1.00	0.9686	
76 Isopropylbenzene	105	10.753	10.753	0.000	96	39463	1.00	0.8596	
79 1,1,2,2-Tetrachloroethane	83	11.120	11.120	0.000	95	32879	1.00	1.05	M
78 Bromobenzene	156	11.135	11.135	0.000	95	18048	1.00	1.05	
83 1,2,3-Trichloropropane	110	11.188	11.191	-0.003	85	9516	1.00	1.07	
77 N-Propylbenzene	120	11.244	11.244	0.000	99	12649	1.00	0.9109	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
81 2-Chlorotoluene	126	11.353	11.352	0.001	96	11842	1.00	0.9139	
80 4-Ethyltoluene	105	11.383	11.382	0.001	96	40427	1.00	0.8424	
82 1,3,5-Trimethylbenzene	105	11.450	11.454	-0.004	94	33493	1.00	0.8328	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	90	12892	1.00	0.8120	
85 tert-Butylbenzene	119	11.795	11.795	0.000	92	31186	1.00	0.8513	
86 1,2,4-Trimethylbenzene	105	11.859	11.859	0.000	97	30655	1.00	0.8309	
87 sec-Butylbenzene	105	12.027	12.027	0.000	95	48237	1.00	0.8702	
89 1,3-Dichlorobenzene	146	12.151	12.151	0.000	97	28926	1.00	1.00	
88 4-Isopropyltoluene	119	12.185	12.185	0.000	95	34443	1.00	0.8055	
90 1,4-Dichlorobenzene	146	12.256	12.256	0.000	93	27565	1.00	0.9675	
92 Benzyl chloride	126	12.365	12.368	-0.003	99	4857	1.00	0.8646	
91 n-Butylbenzene	92	12.578	12.586	-0.008	97	16817	1.00	0.7978	
94 1,2-Dichlorobenzene	146	12.605	12.608	-0.003	95	25819	1.00	0.9491	
93 Hexachloroethane	117	12.860	12.859	0.001	82	13858	1.00	1.03	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.321	0.000	91	9838	1.00	0.8571	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	93	13397	0.8700	0.7319	
96 Hexachlorobutadiene	225	14.112	14.112	0.000	93	12229	1.00	0.8705	
98 Naphthalene	128	14.217	14.220	-0.003	97	26228	1.00	0.7272	
S 100 1,2-Dichloroethene, Total	61				0	27939	2.00	2.06	
S 109 1,3-Dichloropropene, Total	75				0		2.00	1.97	
S 101 Xylenes, Total	91				0	64656	2.00	1.83	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL10.0_00398	Amount Added: 20.00	Units: ml	
AIRIS200 ppb_00245	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 23-Oct-2023 13:44:35 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X06.D

Injection Date: 19-Oct-2023 16:25:55 Instrument ID: HP8R004

Lims ID: IC CAL1 ppb

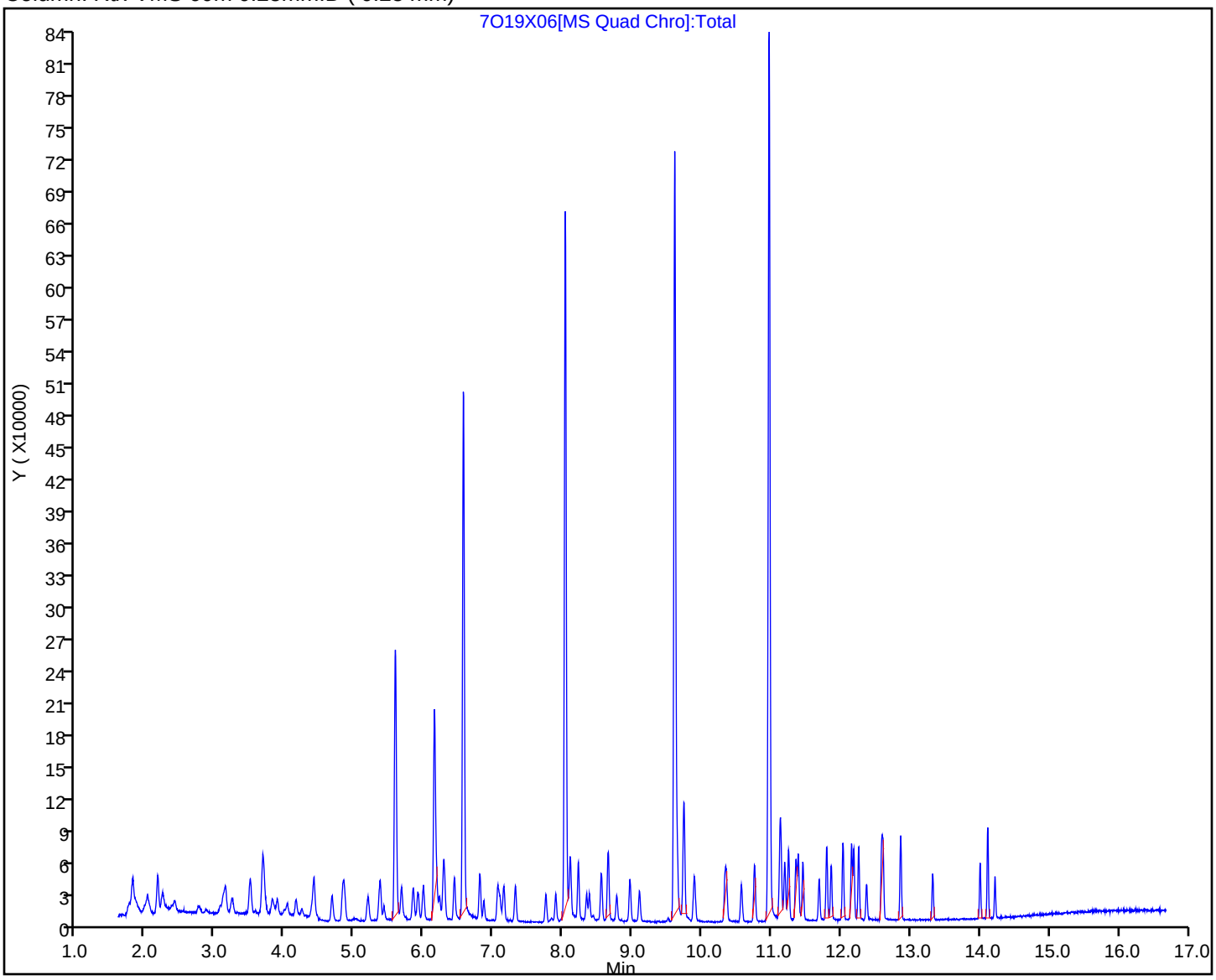
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 6

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

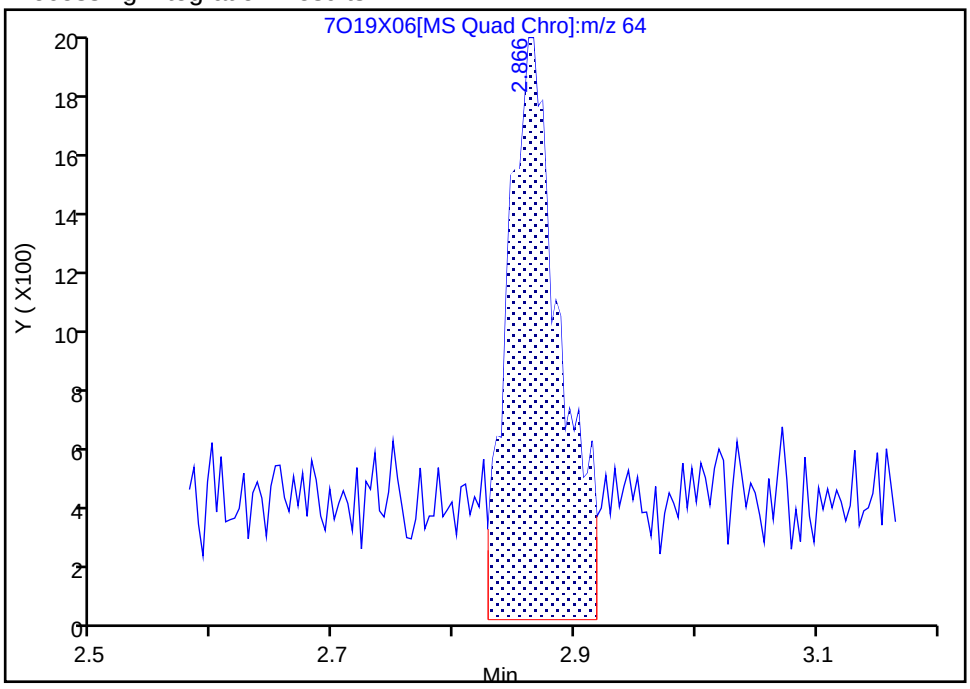
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Injection Date:	19-Oct-2023 16:25:55	Instrument ID:	HP8R004		
Lims ID:	IC CAL1 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

9 Chloroethane, CAS: 75-00-3

Signal: 1

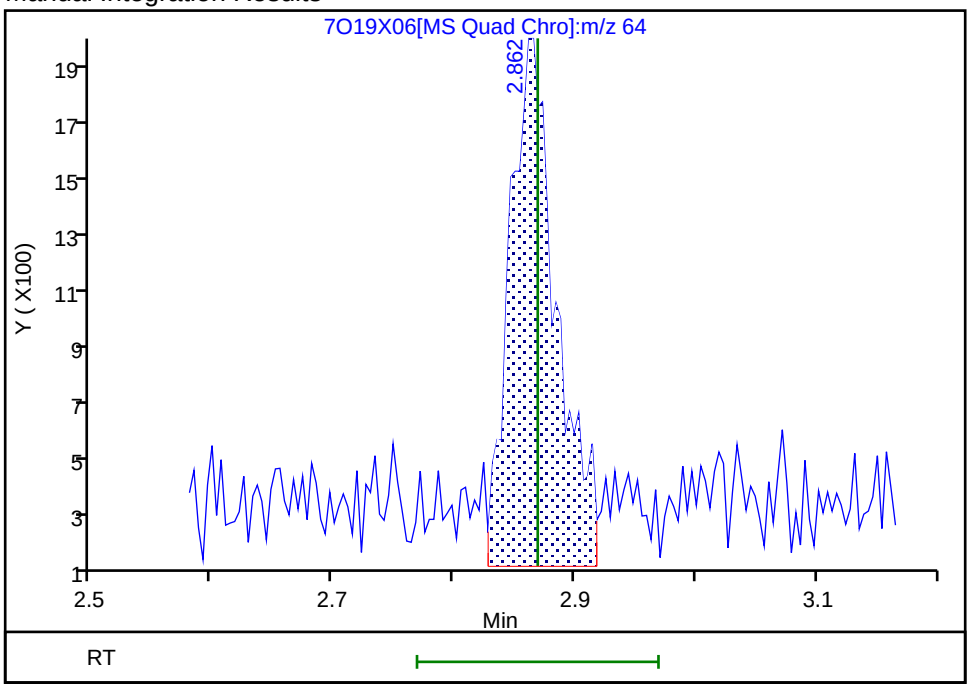
Processing Integration Results

RT: 2.87
Area: 5624
Amount: 1.223079
Amount Units: ppb v/v



Manual Integration Results

RT: 2.86
Area: 4582
Amount: 0.905445
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:05:55 -04:00:00 (UTC)

Audit Action: Assigned New Baseline Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

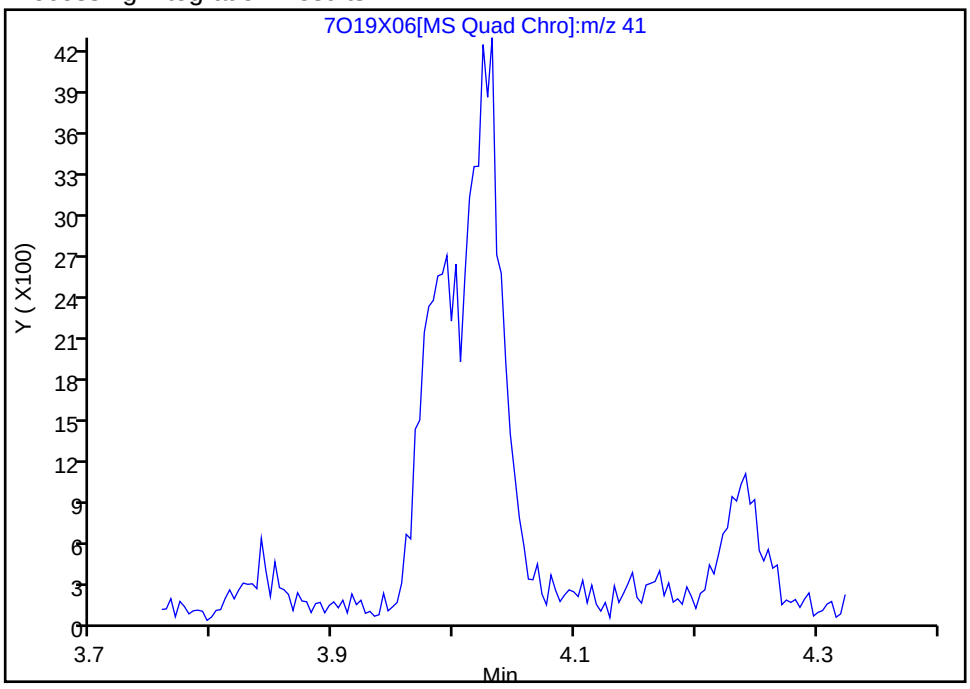
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Injection Date:	19-Oct-2023 16:25:55	Instrument ID:	HP8R004		
Lims ID:	IC CAL1 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

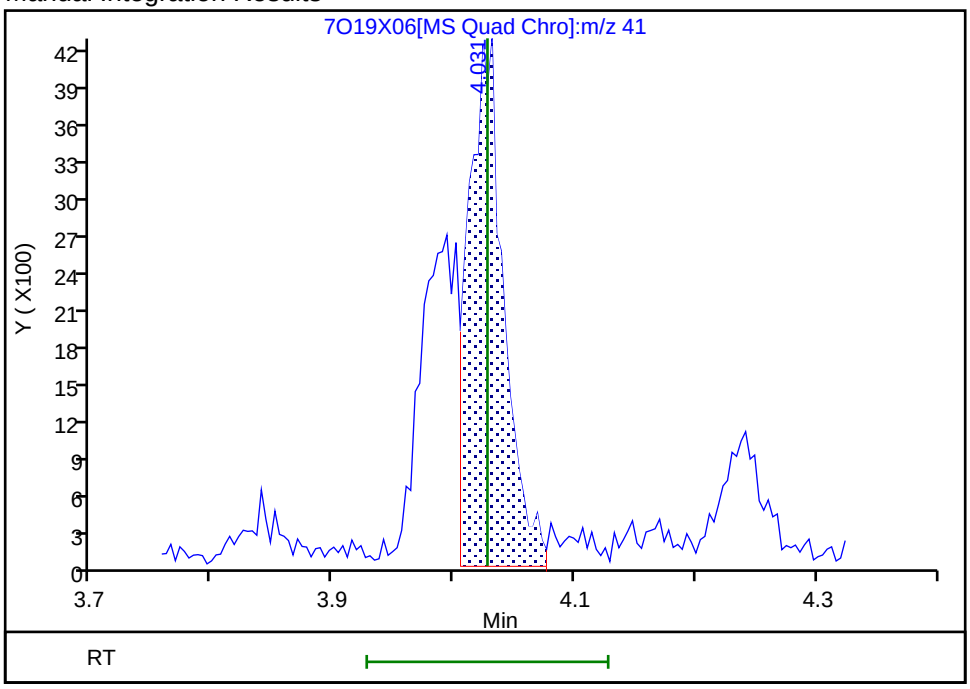
Not Detected
Expected RT: 4.03

Processing Integration Results



Manual Integration Results

RT: 4.03
Area: 8418
Amount: 0.891399
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 07:58:47 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

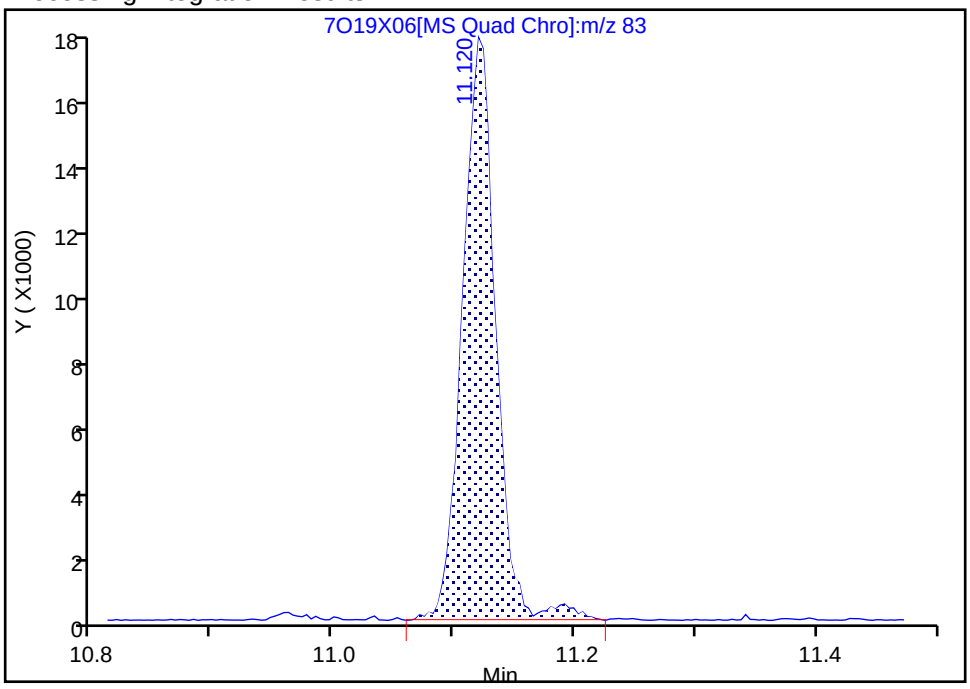
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Injection Date:	19-Oct-2023 16:25:55	Instrument ID:	HP8R004		
Lims ID:	IC CAL1 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

79 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

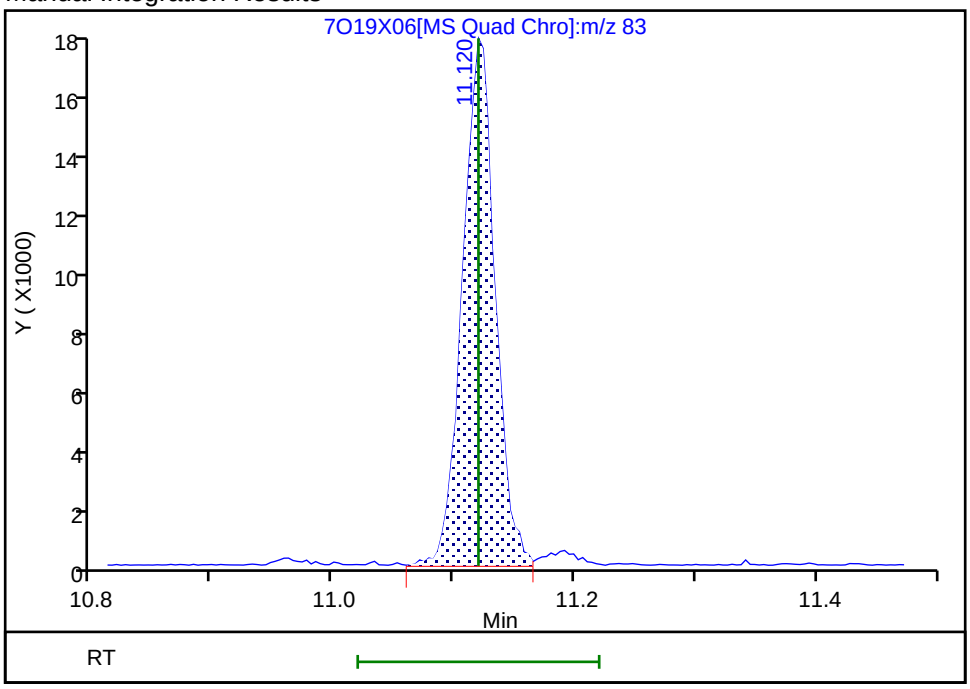
Processing Integration Results

RT: 11.12
Area: 33788
Amount: 1.062279
Amount Units: ppb v/v



Manual Integration Results

RT: 11.12
Area: 32879
Amount: 1.049809
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:04:36 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X09.D
Lims ID: IC CAL 0.5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Oct-2023 16:48:00 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.5
Misc. Info.: 410-0094107-007
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub3

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 23-Oct-2023 13:44:46 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: MLX9 Date: 20-Oct-2023 07:59:17

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	1.984	1.981	0.003	97	3276	0.5000	0.5085	
2 Dichlorodifluoromethane	85	2.018	2.014	0.004	99	12407	0.5000	0.5104	
3 Chlorodifluoromethane	51	2.037	2.044	-0.007	97	7424	0.5000	0.5415	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.161	2.164	-0.003	98	13939	0.5000	0.5054	
5 Chloromethane	50	2.232	2.236	-0.004	65	4586	0.5000	0.5604	
6 Vinyl chloride	62	2.374	2.382	-0.008	90	4511	0.5000	0.5064	
7 Butadiene	54	2.412	2.408	0.004	92	2969	0.5000	0.5146	
8 Bromomethane	94	2.760	2.757	0.003	90	4431	0.5000	0.5404	
9 Chloroethane	64	2.865	2.869	-0.004	97	2651	0.5000	0.4787	M
10 Vinyl bromide	106	3.068	3.064	0.004	94	3726	0.5000	0.4726	
13 Dichlorofluoromethane	67	3.101	3.105	-0.004	96	9641	0.5000	0.4922	
12 Trichlorofluoromethane	101	3.139	3.139	0.000	97	13349	0.5000	0.5004	
11 Pentane	43	3.229	3.233	-0.004	96	7748	0.5000	0.5567	
14 Ethanol	45	3.319	3.312	0.007	1	911	0.5000	0.4512	M
19 Acrolein	56	3.566	3.563	0.003	94	1522	0.5000	0.4821	
15 1,1-Dichloroethene	61	3.668	3.668	0.000	95	6658	0.5000	0.4864	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.683	3.683	-0.001	93	8620	0.5000	0.5343	
23 Acetone	43	3.712	3.709	0.003	98	7090	0.5000	0.5344	M
18 Iodomethane	142	3.810	3.814	-0.004	99	9661	0.5000	0.4871	
20 Isopropyl alcohol	45	3.847	3.836	0.011	73	4041	0.5000	0.5349	
17 Carbon disulfide	76	3.885	3.885	0.000	100	12924	0.5000	0.4955	
28 Acetonitrile	41	3.982	3.986	-0.004	82	2888	0.5000	0.4922	
21 3-Chloro-1-propene	41	4.024	4.028	-0.004	91	5620	0.5000	0.5438	
22 Methylene Chloride	84	4.159	4.155	0.004	86	4885	0.5000	0.5285	
27 2-Methyl-2-propanol	59	4.241	4.237	0.004	90	3262	0.5000	0.4424	
31 Acrylonitrile	53	4.384	4.376	0.008	94	3977	0.5000	0.5219	
26 Methyl tert-butyl ether	73	4.410	4.406	0.004	96	10354	0.5000	0.4666	
24 trans-1,2-Dichloroethene	61	4.410	4.414	-0.004	92	6468	0.5000	0.4813	
25 Hexane	56	4.676	4.680	-0.004	92	3564	0.5000	0.4839	
33 Vinyl acetate	86	4.822	4.826	-0.004	97	1010	0.5500	0.5038	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.833	4.833	0.000	95	9237	0.5000	0.4988	
29 Isopropyl ether	45	4.852	4.856	-0.004	92	11757	0.5000	0.4330	
32 Tert-butyl ethyl ether	59	5.193	5.193	0.000	94	9757	0.5000	0.4287	
43 2-Butanone (MEK)	72	5.347	5.343	0.004	98	2088	0.5000	0.4690	
34 cis-1,2-Dichloroethene	61	5.362	5.362	0.000	78	7792	0.5000	0.4803	
38 Ethyl acetate	70	5.373	5.370	0.003	92	1202	0.5000	0.4839	M
39 Methyl acrylate	55	5.418	5.418	0.000	99	6745	0.5000	0.4475	
* 35 Chlorobromomethane (IS)	130	5.583	5.587	-0.004	93	111917	10.0	10.0	
41 Tetrahydrofuran	42	5.602	5.598	0.004	83	4474	0.5000	0.4995	
37 Chloroform	83	5.677	5.673	0.004	95	11760	0.5000	0.5104	
42 1,1,1-Trichloroethane	97	5.838	5.842	-0.004	97	10942	0.5000	0.4966	
36 Cyclohexane	56	5.917	5.913	0.004	94	6344	0.5000	0.4675	
40 Carbon tetrachloride	117	5.984	5.984	0.000	96	11158	0.5000	0.4952	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.149	6.146	0.003	0	154076	10.0	10.1	
46 Benzene	78	6.175	6.176	-0.001	95	16600	0.5000	0.5130	
48 1,2-Dichloroethane	62	6.224	6.220	0.004	95	7157	0.5000	0.5147	
44 Isooctane	57	6.280	6.284	-0.004	91	17589	0.5000	0.4553	
47 Tert-amyl methyl ether	73	6.284	6.288	-0.004	79	9463	0.5000	0.4521	
45 n-Heptane	71	6.430	6.434	-0.004	84	4264	0.5000	0.4576	
* 50 1,4-Difluorobenzene	114	6.565	6.565	0.000	95	414319	10.0	10.0	
49 Trichloroethene	130	6.805	6.798	0.007	97	7221	0.5000	0.5097	
52 Ethyl acrylate	55	6.865	6.862	0.003	98	8683	0.5000	0.5052	
53 1,2-Dichloropropane	63	7.060	7.060	0.000	94	6572	0.5000	0.5153	
55 Methyl methacrylate	69	7.094	7.086	0.008	78	4222	0.5000	0.4620	
56 1,4-Dioxane	88	7.124	7.120	0.004	80	2089	0.5000	0.4758	
51 Dibromomethane	174	7.146	7.146	0.000	90	5792	0.5000	0.5121	
54 Dichlorobromomethane	83	7.307	7.311	-0.004	98	10949	0.5000	0.4881	
57 cis-1,3-Dichloropropene	75	7.750	7.754	-0.004	95	8046	0.5000	0.5063	
60 4-Methyl-2-pentanone (MIBK)	43	7.889	7.892	-0.003	95	8293	0.5000	0.4609	
$ 103 Toluene-d8 (Surr)	98	8.031	8.031	0.000	94	520419	10.0	9.80	
59 Toluene	91	8.102	8.106	-0.004	96	20779	0.5000	0.4932	
58 n-Octane	43	8.218	8.219	-0.001	81	9049	0.5000	0.4179	
62 trans-1,3-Dichloropropene	75	8.338	8.335	0.003	91	6244	0.5000	0.4180	
63 Ethyl methacrylate	69	8.376	8.376	0.000	89	6431	0.5000	0.4153	
64 1,1,2-Trichloroethane	97	8.548	8.548	0.000	92	7822	0.5000	0.5136	
61 Tetrachloroethene	166	8.646	8.650	-0.004	90	10597	0.5000	0.5203	
67 2-Hexanone	43	8.769	8.770	-0.001	97	6963	0.5000	0.3988	
65 Chlorodibromomethane	127	8.964	8.961	0.003	93	7801	0.5000	0.4401	
66 Ethylene Dibromide	107	9.096	9.099	-0.003	100	9348	0.5000	0.4563	
* 68 Chlorobenzene-d5 (IS)	117	9.605	9.606	-0.001	86	457467	10.0	10.0	
69 Chlorobenzene	112	9.639	9.639	0.000	94	16453	0.5000	0.4898	
71 1,1,1,2-Tetrachloroethane	131	9.740	9.737	0.003	91	7658	0.5000	0.4595	
70 Ethylbenzene	91	9.744	9.741	0.003	98	20588	0.5000	0.4338	
72 m-Xylene & p-Xylene	91	9.894	9.890	0.004	98	14587	0.5000	0.4175	
73 o-Xylene	91	10.333	10.329	0.004	96	13199	0.5000	0.3953	
74 Styrene	104	10.359	10.355	0.004	92	8050	0.5000	0.3547	
75 Bromoform	173	10.565	10.565	0.000	93	7569	0.5000	0.4161	
76 Isopropylbenzene	105	10.756	10.753	0.003	97	17309	0.5000	0.3900	
79 1,1,2,2-Tetrachloroethane	83	11.124	11.120	0.004	96	14546	0.5000	0.4805	M
78 Bromobenzene	156	11.135	11.135	0.000	95	8002	0.5000	0.4810	
83 1,2,3-Trichloropropane	110	11.191	11.191	0.000	87	4553	0.5000	0.5282	
77 N-Propylbenzene	120	11.247	11.244	0.003	99	5375	0.5000	0.4004	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
81 2-Chlorotoluene	126	11.349	11.352	-0.003	98	5679	0.5000	0.4534	
80 4-Ethyltoluene	105	11.386	11.382	0.004	97	17415	0.5000	0.3754	
82 1,3,5-Trimethylbenzene	105	11.457	11.454	0.003	94	15096	0.5000	0.3883	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	91	6117	0.5000	0.3986	
85 tert-Butylbenzene	119	11.795	11.795	0.000	93	13189	0.5000	0.3725	
86 1,2,4-Trimethylbenzene	105	11.858	11.859	-0.001	97	12768	0.5000	0.3580	
87 sec-Butylbenzene	105	12.027	12.027	0.000	95	20364	0.5000	0.3801	
89 1,3-Dichlorobenzene	146	12.151	12.151	0.000	96	13628	0.5000	0.4865	
88 4-Isopropyltoluene	119	12.188	12.185	0.003	97	15435	0.5000	0.3734	
90 1,4-Dichlorobenzene	146	12.256	12.256	0.000	93	12735	0.5000	0.4624	
92 Benzyl chloride	126	12.368	12.368	0.000	98	2059	0.5000	0.3791	
91 n-Butylbenzene	92	12.586	12.586	0.000	97	8123	0.5000	0.3986	
94 1,2-Dichlorobenzene	146	12.608	12.608	0.000	96	12995	0.5000	0.4942	
93 Hexachloroethane	117	12.856	12.859	-0.003	82	5711	0.5000	0.4392	
95 1,2-Dibromo-3-Chloropropane	157	13.320	13.321	-0.001	77	6118	0.5000	0.5514	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	93	9550	0.4350	0.5397	
96 Hexachlorobutadiene	225	14.111	14.112	-0.001	94	9830	0.5000	0.7238	
98 Naphthalene	128	14.216	14.220	-0.004	98	18756	0.5000	0.5380	
S 100 1,2-Dichloroethene, Total	61				0	14260	1.00	0.9615	
S 109 1,3-Dichloropropene, Total	75				0		1.00	0.9243	
S 101 Xylenes, Total	91				0	27786	1.00	0.8133	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRCAL2.0_00113	Amount Added: 50.00	Units: ml	
AIRIS200 ppb_00245	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 23-Oct-2023 13:44:46 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X09.D

Injection Date: 19-Oct-2023 16:48:00 Instrument ID: HP8R004

Lims ID: IC CAL 0.5

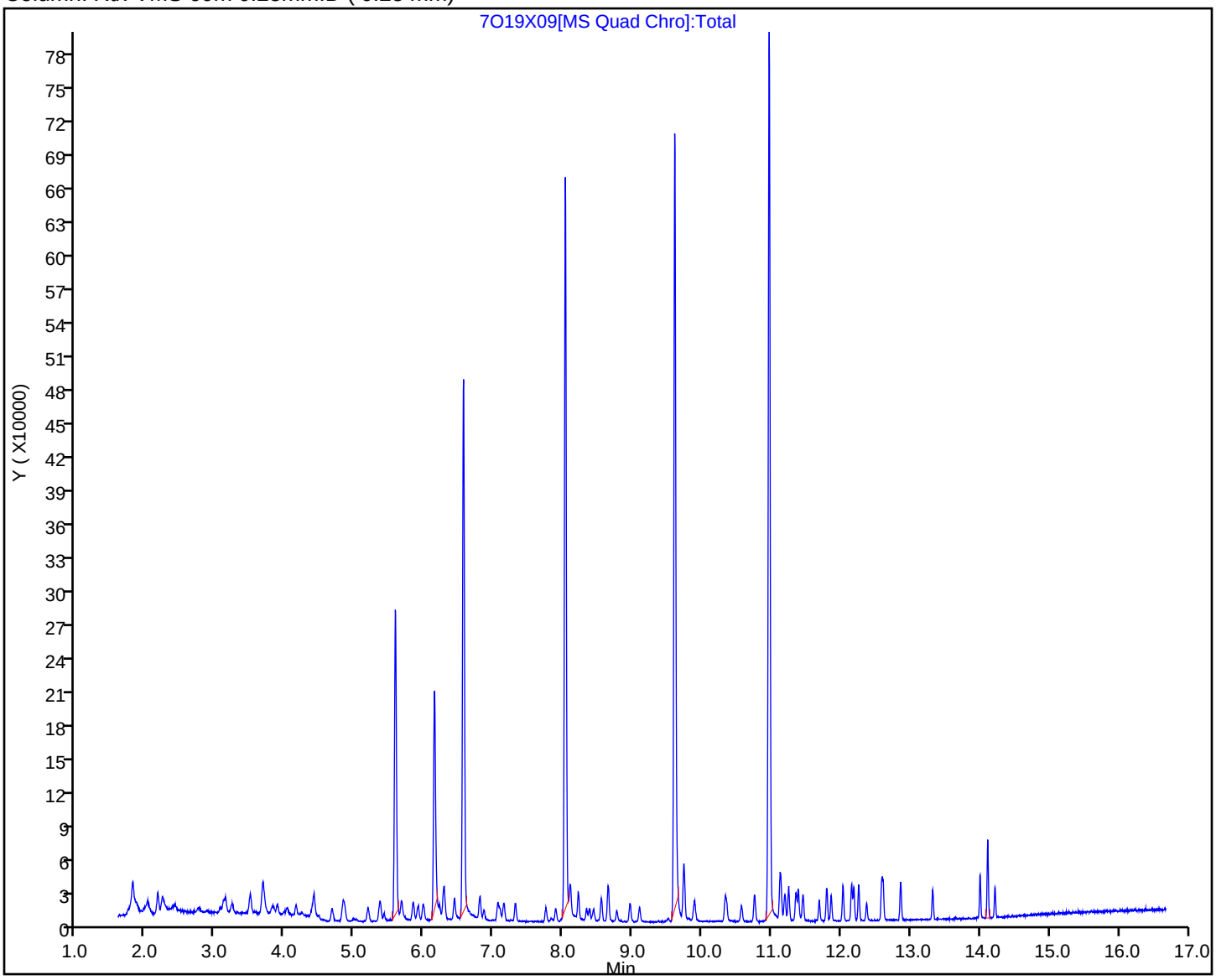
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 7

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

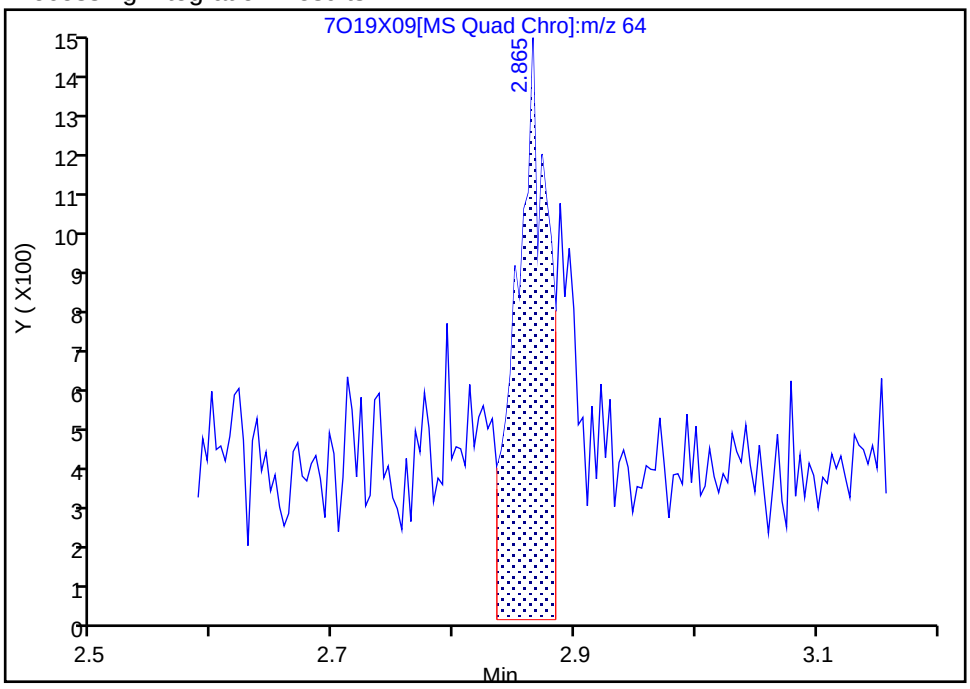
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Injection Date:	19-Oct-2023 16:48:00	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.5				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

9 Chloroethane, CAS: 75-00-3

Signal: 1

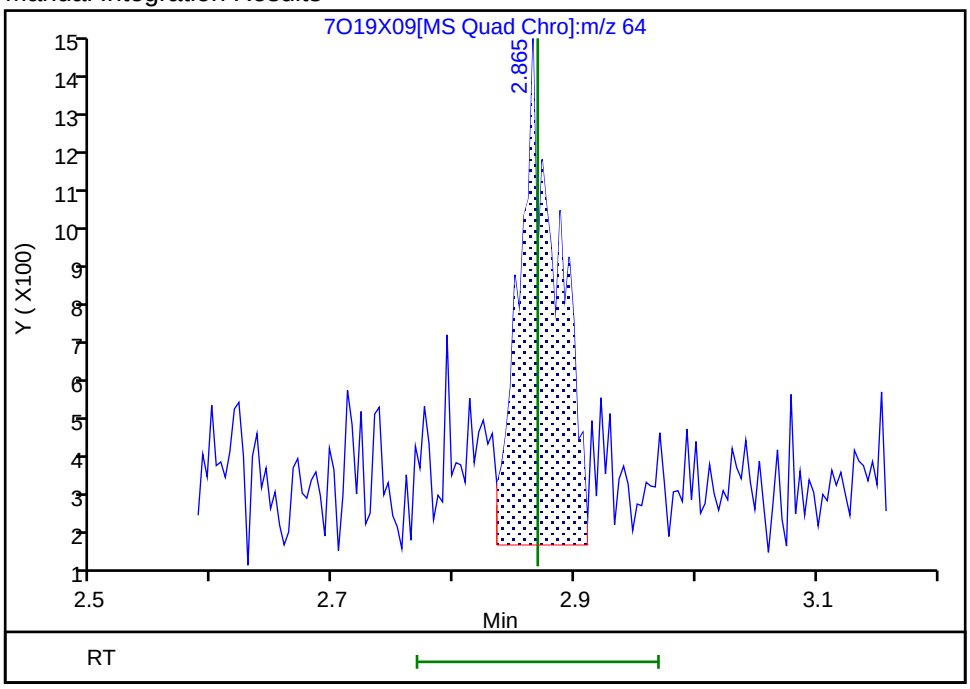
Processing Integration Results

RT: 2.87
Area: 2556
Amount: 0.446247
Amount Units: ppb v/v



Manual Integration Results

RT: 2.87
Area: 2651
Amount: 0.478669
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:06:54 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

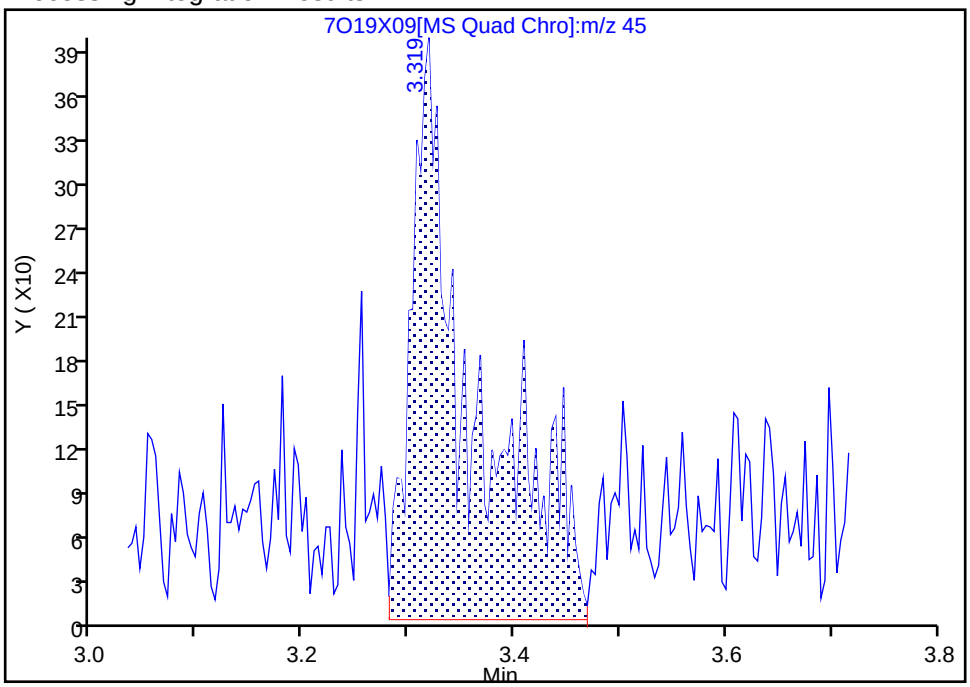
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Injection Date:	19-Oct-2023 16:48:00	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.5				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

14 Ethanol, CAS: 64-17-5

Signal: 1

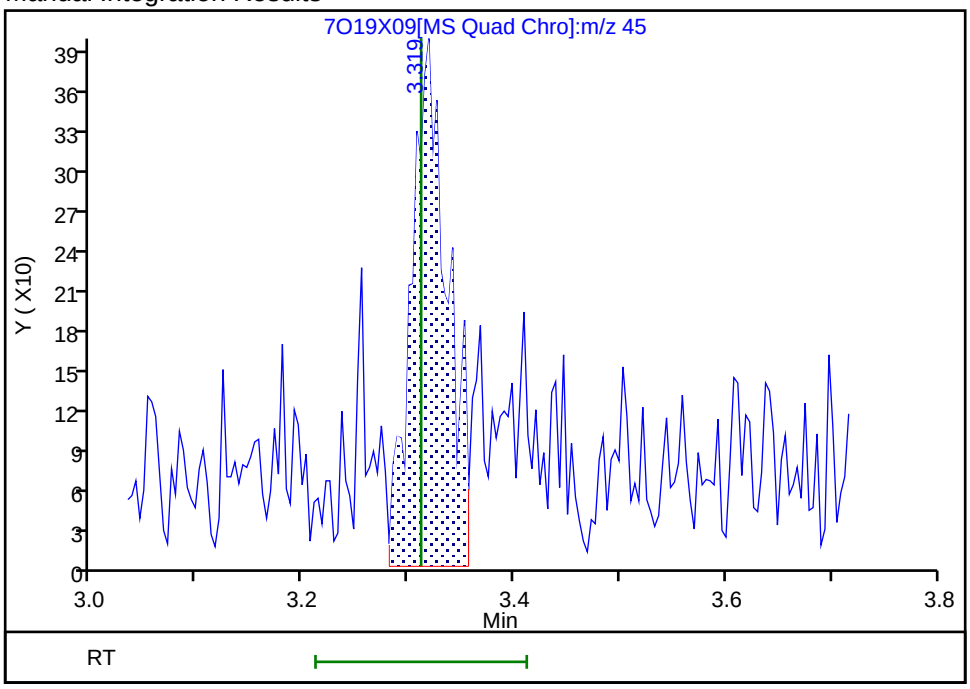
Processing Integration Results

RT: 3.32
Area: 1556
Amount: 0.692244
Amount Units: ppb v/v



Manual Integration Results

RT: 3.32
Area: 911
Amount: 0.451155
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:07:20 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

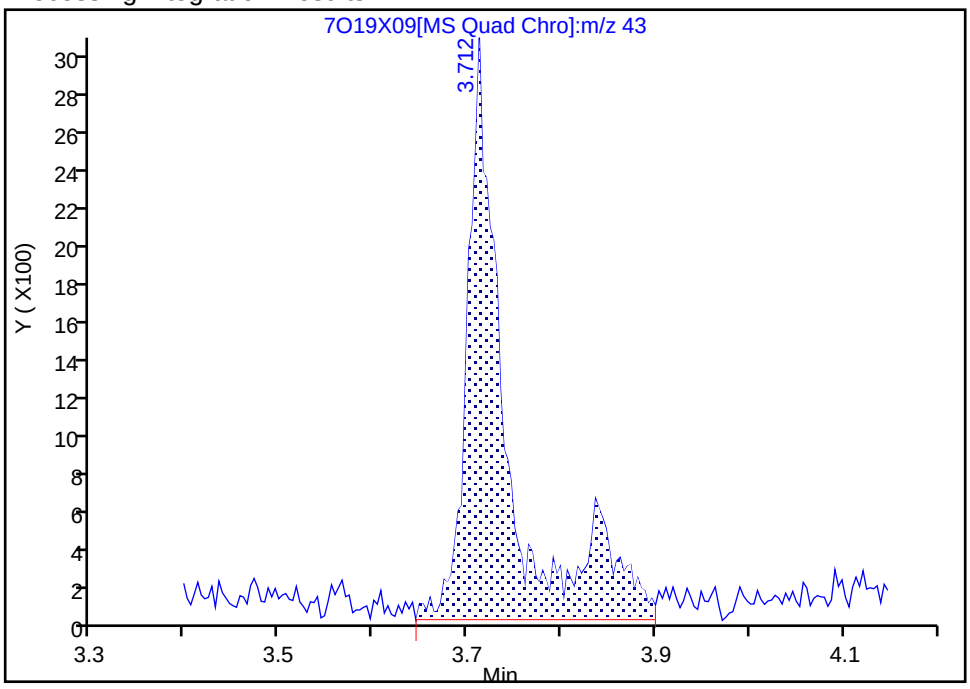
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Injection Date:	19-Oct-2023 16:48:00	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.5				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	7
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

23 Acetone, CAS: 67-64-1

Signal: 1

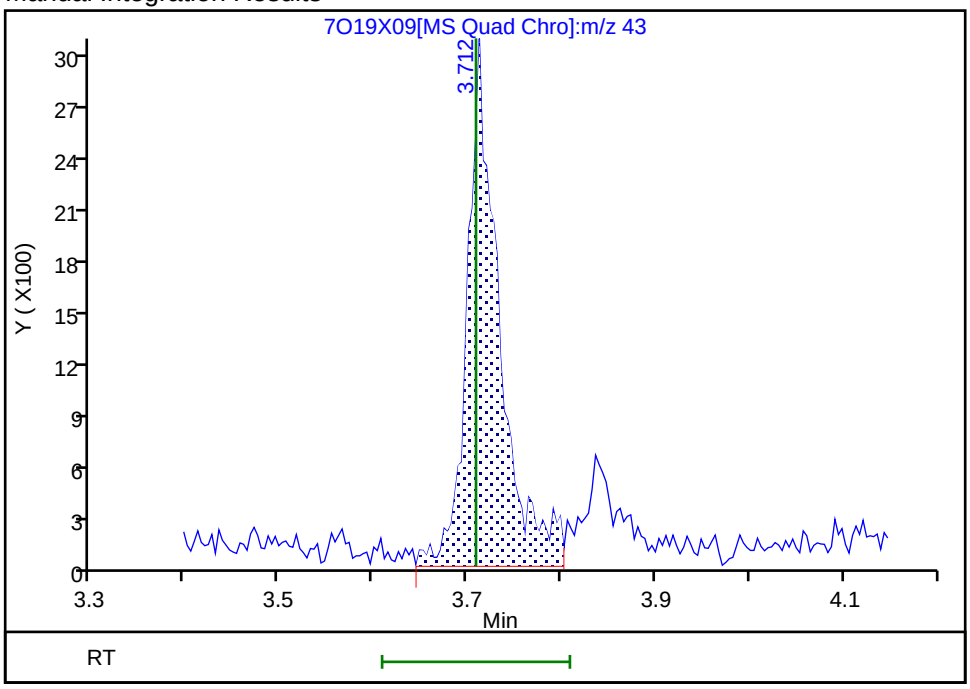
Processing Integration Results

RT: 3.71
Area: 8754
Amount: 0.639794
Amount Units: ppb v/v



Manual Integration Results

RT: 3.71
Area: 7090
Amount: 0.534428
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:07:33 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

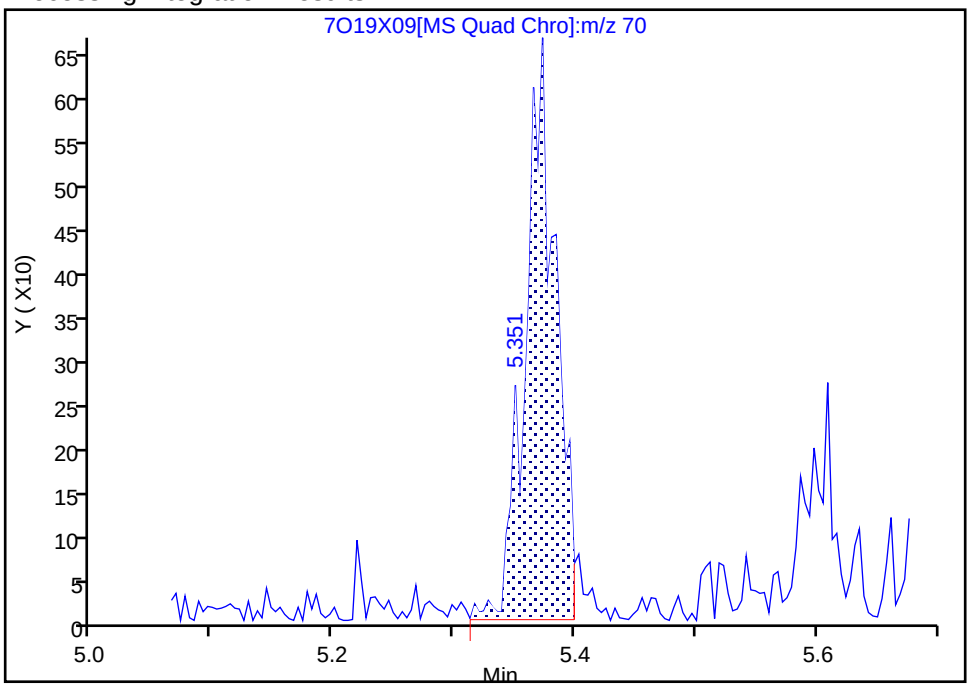
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Injection Date: 19-Oct-2023 16:48:00 Instrument ID: HP8R004
Lims ID: IC CAL 0.5
Client ID:
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP8R004 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

38 Ethyl acetate, CAS: 141-78-6

Signal: 1

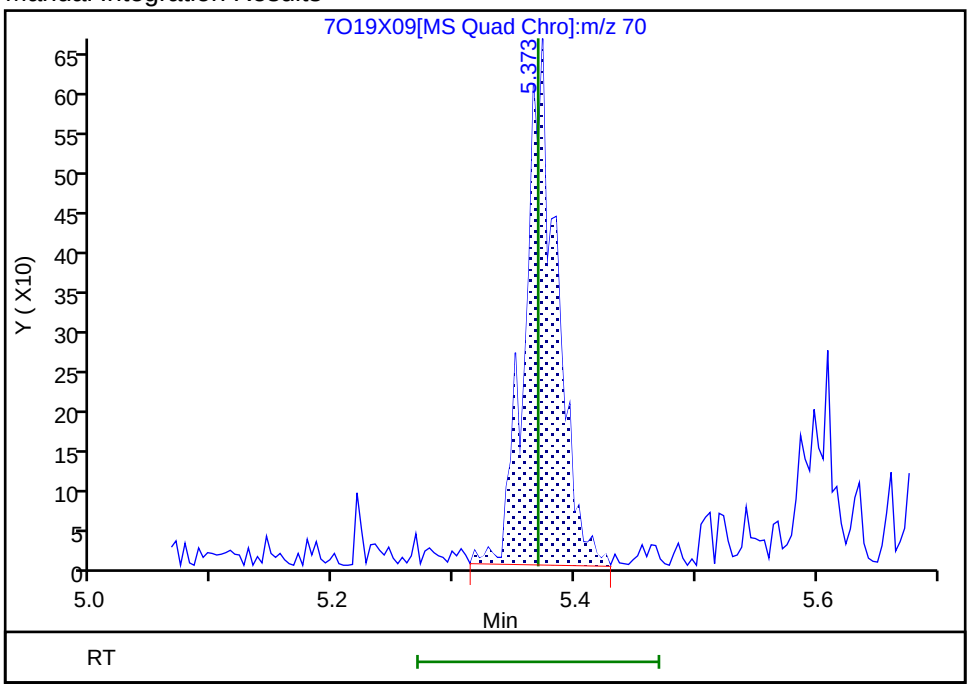
Processing Integration Results

RT: 5.35
Area: 1155
Amount: 0.467163
Amount Units: ppb v/v



Manual Integration Results

RT: 5.37
Area: 1202
Amount: 0.483873
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:08:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

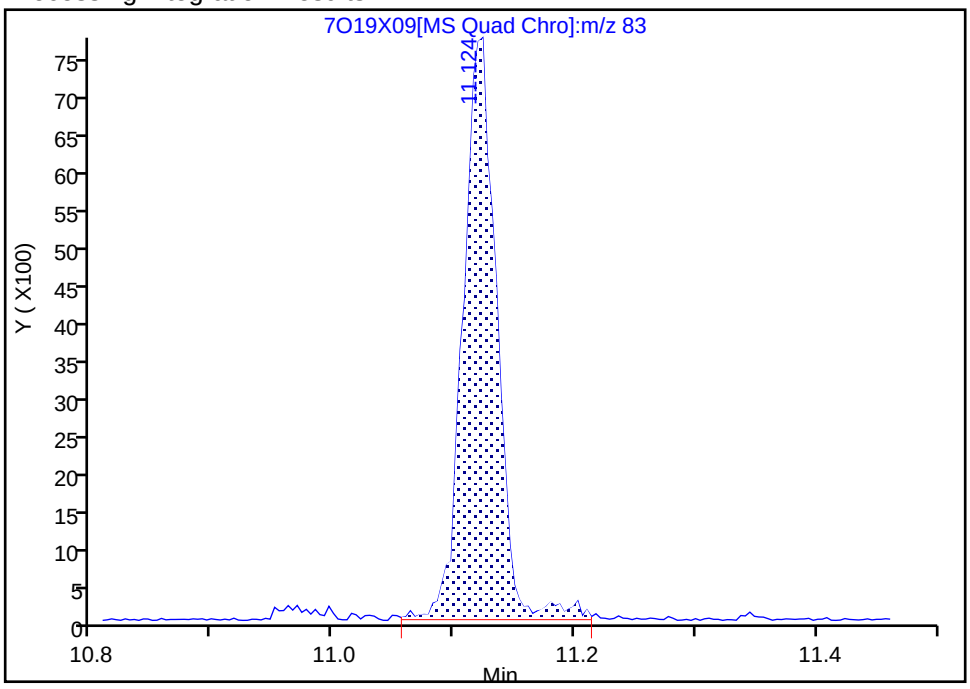
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Injection Date: 19-Oct-2023 16:48:00 Instrument ID: HP8R004
Lims ID: IC CAL 0.5
Client ID:
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 7
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP8R004 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

79 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

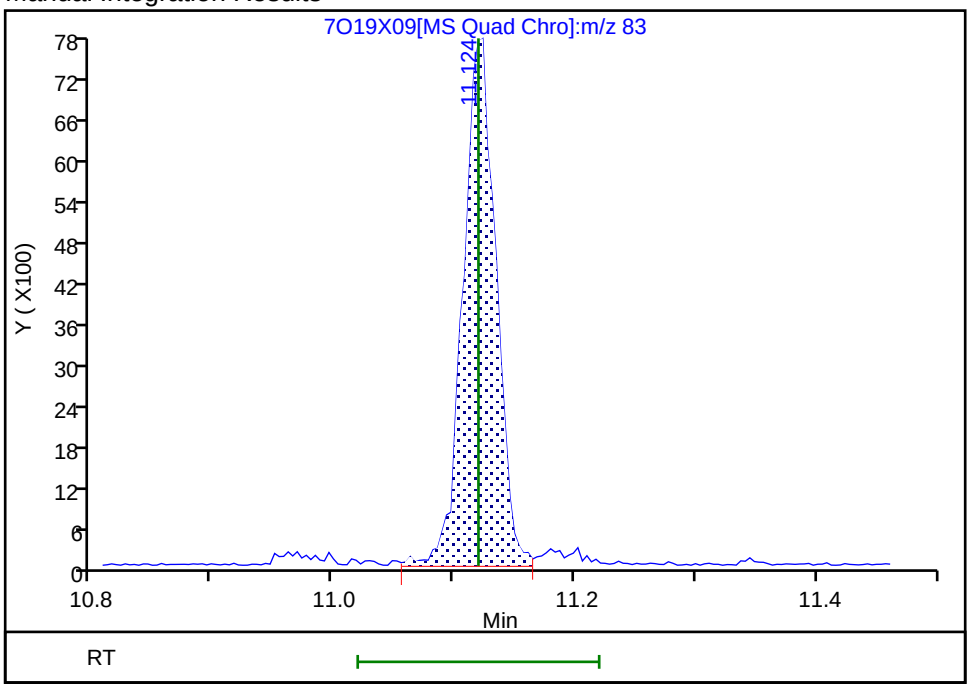
Processing Integration Results

RT: 11.12
Area: 15008
Amount: 0.489860
Amount Units: ppb v/v



Manual Integration Results

RT: 11.12
Area: 14546
Amount: 0.480456
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:09:16 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X10.D
Lims ID: IC CAL 0.2
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 19-Oct-2023 17:10:16 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC 0.2
Misc. Info.: 410-0094107-008
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub3

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 23-Oct-2023 13:45:00 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: MLX9 Date: 20-Oct-2023 08:01:22

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	1.966	1.981	-0.015	83	1355	0.2000	0.2338	
2 Dichlorodifluoromethane	85	2.011	2.014	-0.003	97	4032	0.2000	0.1844	
3 Chlorodifluoromethane	51	2.037	2.044	-0.007	26	2359	0.2000	0.1913	a
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.157	2.164	-0.007	98	5521	0.2000	0.2226	
5 Chloromethane	50	2.224	2.236	-0.012	35	1764	0.2000	0.2397	M
6 Vinyl chloride	62	2.359	2.382	-0.023	78	1750	0.2000	0.2184	
7 Butadiene	54	2.416	2.408	0.008	81	899	0.2000	0.1733	
8 Bromomethane	94	2.749	2.757	-0.008	55	1361	0.2000	0.1846	
9 Chloroethane	64	2.862	2.869	-0.007	77	1561	0.2000	0.3134	M
10 Vinyl bromide	106	3.057	3.064	-0.007	92	1254	0.2000	0.1769	
13 Dichlorofluoromethane	67	3.109	3.105	0.004	37	2935	0.2000	0.1666	
12 Trichlorofluoromethane	101	3.139	3.139	0.000	97	5478	0.2000	0.2283	
11 Pentane	43	3.222	3.233	-0.011	89	3205	0.2000	0.2560	
14 Ethanol	45	3.259	3.312	-0.053	22	460	0.2000	0.2533	
19 Acrolein	56	3.582	3.563	0.019	44	770	0.2000	0.2712	
15 1,1-Dichloroethene	61	3.657	3.668	-0.012	73	2268	0.2000	0.1842	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.679	3.683	-0.004	92	3405	0.2000	0.2347	
23 Acetone	43	3.713	3.709	0.004	88	3385	0.2000	0.2837	
18 Iodomethane	142	3.806	3.814	-0.008	96	2817	0.2000	0.1579	
20 Isopropyl alcohol	45	3.844	3.836	0.008	65	1897	0.2000	0.2792	
17 Carbon disulfide	76	3.885	3.885	0.000	98	4421	0.2000	0.1885	
28 Acetonitrile	41	3.975	3.986	-0.011	37	1310	0.2000	0.2483	a
21 3-Chloro-1-propene	41	4.020	4.028	-0.008	85	1851	0.2000	0.1991	M
22 Methylene Chloride	84	4.151	4.155	-0.004	86	1703	0.2000	0.2049	
27 2-Methyl-2-propanol	59	4.241	4.237	0.004	93	1439	0.2000	0.2170	
31 Acrylonitrile	53	4.391	4.376	0.015	82	1488	0.2000	0.2171	
26 Methyl tert-butyl ether	73	4.402	4.406	-0.004	95	4095	0.2000	0.2052	
24 trans-1,2-Dichloroethene	61	4.410	4.414	-0.004	83	2437	0.2000	0.2016	
25 Hexane	56	4.669	4.680	-0.011	90	1487	0.2000	0.2245	
33 Vinyl acetate	86	4.815	4.826	-0.011	93	381	0.2200	0.2113	Ma

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.826	4.833	-0.007	94	3681	0.2000	0.2210	
29 Isopropyl ether	45	4.845	4.856	-0.011	93	4776	0.2000	0.1956	
32 Tert-butyl ethyl ether	59	5.186	5.193	-0.007	93	3521	0.2000	0.1720	
43 2-Butanone (MEK)	72	5.343	5.343	0.000	97	757	0.2000	0.1891	
34 cis-1,2-Dichloroethene	61	5.362	5.362	0.000	81	3042	0.2000	0.2085	
38 Ethyl acetate	70	5.377	5.370	0.007	83	476	0.2000	0.2131	Ma
39 Methyl acrylate	55	5.418	5.418	0.000	95	2792	0.2000	0.2060	
* 35 Chlorobromomethane (IS)	130	5.583	5.587	-0.004	95	100658	10.0	10.0	
41 Tetrahydrofuran	42	5.598	5.598	0.000	32	1608	0.2000	0.1996	M
37 Chloroform	83	5.673	5.673	0.000	91	4549	0.2000	0.2195	
42 1,1,1-Trichloroethane	97	5.846	5.842	0.004	94	4561	0.2000	0.2302	
36 Cyclohexane	56	5.913	5.913	0.000	88	2460	0.2000	0.2015	M
40 Carbon tetrachloride	117	5.988	5.984	0.004	95	4334	0.2000	0.2138	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.149	6.146	0.003	0	145632	10.0	10.6	
46 Benzene	78	6.176	6.176	0.000	92	7705	0.2000	0.2502	
48 1,2-Dichloroethane	62	6.221	6.220	0.001	98	3208	0.2000	0.2424	
44 Isooctane	57	6.281	6.284	-0.003	92	5916	0.2000	0.1609	
47 Tert-amyl methyl ether	73	6.281	6.288	-0.007	72	3611	0.2000	0.1813	
45 n-Heptane	71	6.431	6.434	-0.003	79	1587	0.2000	0.1790	
* 50 1,4-Difluorobenzene	114	6.562	6.565	-0.003	94	394283	10.0	10.0	
49 Trichloroethene	130	6.798	6.798	0.000	95	3261	0.2000	0.2419	
52 Ethyl acrylate	55	6.858	6.862	-0.004	98	3455	0.2000	0.2112	
53 1,2-Dichloropropane	63	7.064	7.060	0.004	95	3238	0.2000	0.2668	
55 Methyl methacrylate	69	7.090	7.086	0.004	87	1921	0.2000	0.2209	
56 1,4-Dioxane	88	7.117	7.120	-0.003	79	840	0.2000	0.2011	M
51 Dibromomethane	174	7.143	7.146	-0.003	95	2629	0.2000	0.2442	
54 Dichlorobromomethane	83	7.311	7.311	0.000	97	5246	0.2000	0.2457	
57 cis-1,3-Dichloropropene	75	7.746	7.754	-0.008	96	3147	0.2000	0.2081	
60 4-Methyl-2-pentanone (MIBK)	43	7.896	7.892	0.004	96	3586	0.2000	0.2094	
$ 103 Toluene-d8 (Surr)	98	8.031	8.031	0.000	94	503293	10.0	9.46	
59 Toluene	91	8.099	8.106	-0.007	98	8555	0.2000	0.2027	
58 n-Octane	43	8.215	8.219	-0.004	71	3789	0.2000	0.1747	
62 trans-1,3-Dichloropropene	75	8.331	8.335	-0.004	93	2752	0.2000	0.1839	
63 Ethyl methacrylate	69	8.380	8.376	0.004	86	2717	0.2000	0.1752	
64 1,1,2-Trichloroethane	97	8.552	8.548	0.004	90	3317	0.2000	0.2174	
61 Tetrachloroethene	166	8.654	8.650	0.004	93	4485	0.2000	0.2198	
67 2-Hexanone	43	8.773	8.770	0.003	94	3320	0.2000	0.1898	
65 Chlorodibromomethane	127	8.961	8.961	0.000	88	3453	0.2000	0.1945	
66 Ethylene Dibromide	107	9.100	9.099	0.001	96	3979	0.2000	0.1939	
* 68 Chlorobenzene-d5 (IS)	117	9.606	9.606	0.000	90	458198	10.0	10.0	
69 Chlorobenzene	112	9.639	9.639	0.000	93	7313	0.2000	0.2174	
71 1,1,1,2-Tetrachloroethane	131	9.729	9.737	-0.008	71	3452	0.2000	0.2068	
70 Ethylbenzene	91	9.741	9.741	0.000	98	8589	0.2000	0.1807	
72 m-Xylene & p-Xylene	91	9.887	9.890	-0.003	96	5595	0.2000	0.1599	
73 o-Xylene	91	10.329	10.329	0.000	94	5808	0.2000	0.1737	
74 Styrene	104	10.352	10.355	-0.003	97	3332	0.2000	0.1466	
75 Bromoform	173	10.562	10.565	-0.003	88	3285	0.2000	0.1803	
76 Isopropylbenzene	105	10.757	10.753	0.004	97	6900	0.2000	0.1552	
79 1,1,2,2-Tetrachloroethane	83	11.116	11.120	-0.004	70	6123	0.2000	0.2019	M
78 Bromobenzene	156	11.135	11.135	0.000	94	3182	0.2000	0.1910	
83 1,2,3-Trichloropropane	110	11.184	11.191	-0.007	84	1692	0.2000	0.1960	
77 N-Propylbenzene	120	11.251	11.244	0.007	99	2350	0.2000	0.1748	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
81 2-Chlorotoluene	126	11.349	11.352	-0.003	95	2209	0.2000	0.1761	
80 4-Ethyltoluene	105	11.383	11.382	0.001	96	7232	0.2000	0.1556	
82 1,3,5-Trimethylbenzene	105	11.450	11.454	-0.004	94	5973	0.2000	0.1534	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	86	2444	0.2000	0.1590	
85 tert-Butylbenzene	119	11.791	11.795	-0.004	93	5176	0.2000	0.1459	
86 1,2,4-Trimethylbenzene	105	11.859	11.859	0.000	96	5067	0.2000	0.1418	
87 sec-Butylbenzene	105	12.027	12.027	0.000	95	8150	0.2000	0.1519	
89 1,3-Dichlorobenzene	146	12.151	12.151	0.000	97	5864	0.2000	0.2090	
88 4-Isopropyltoluene	119	12.181	12.185	-0.004	96	6010	0.2000	0.1452	
90 1,4-Dichlorobenzene	146	12.252	12.256	-0.004	95	5476	0.2000	0.1985	
92 Benzyl chloride	126	12.372	12.368	0.004	97	893	0.2000	0.1642	
91 n-Butylbenzene	92	12.582	12.586	-0.004	97	3226	0.2000	0.1581	
94 1,2-Dichlorobenzene	146	12.612	12.608	0.004	93	5655	0.2000	0.2147	
93 Hexachloroethane	117	12.852	12.859	-0.007	81	2537	0.2000	0.1948	
95 1,2-Dibromo-3-Chloropropane	157	13.317	13.321	-0.004	81	2604	0.2000	0.2343	
97 1,2,4-Trichlorobenzene	180	13.999	14.003	-0.004	93	3899	0.1740	0.2200	
96 Hexachlorobutadiene	225	14.115	14.112	0.003	90	3619	0.2000	0.2661	
98 Naphthalene	128	14.217	14.220	-0.003	98	8287	0.2000	0.2373	
S 100 1,2-Dichloroethene, Total	61				0	5479	0.4000	0.4108	
S 109 1,3-Dichloropropene, Total	75				0		0.4000	0.3920	
S 101 Xylenes, Total	91				0	11403	0.4000	0.3332	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

AIRCAL2.0_00113	Amount Added:	20.00	Units: ml	
AIRIS200 ppb_00245	Amount Added:	10.00	Units: mL	Run Reagent

Report Date: 23-Oct-2023 13:45:01 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X10.D

Injection Date: 19-Oct-2023 17:10:16 Instrument ID: HP8R004

Lims ID: IC CAL 0.2

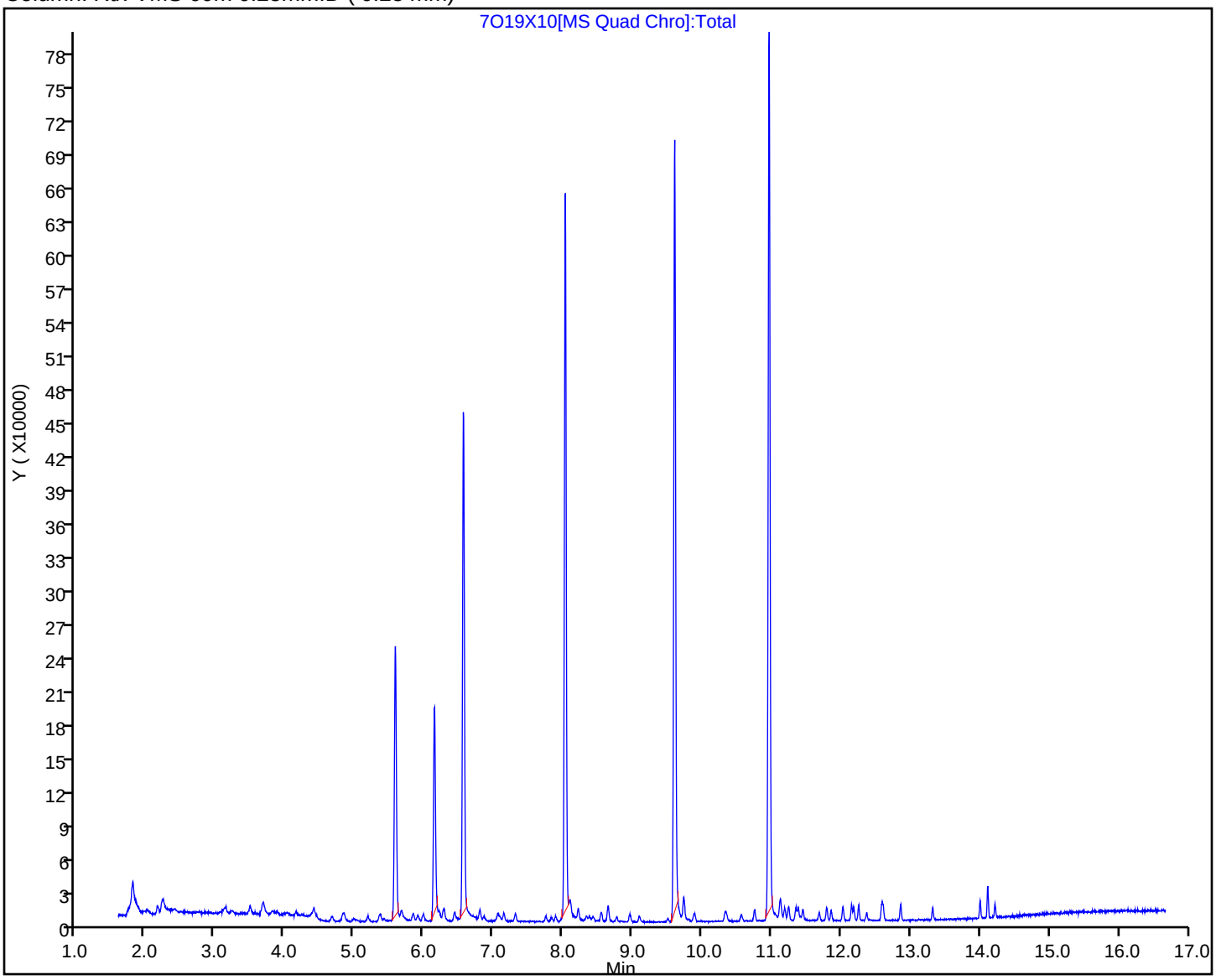
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 8

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

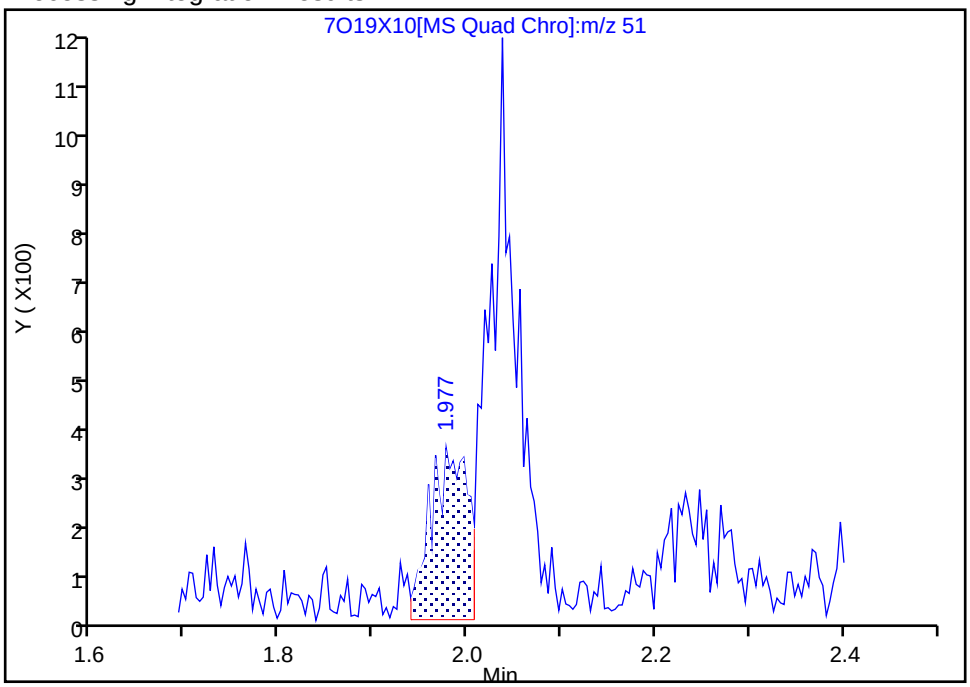
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Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

3 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

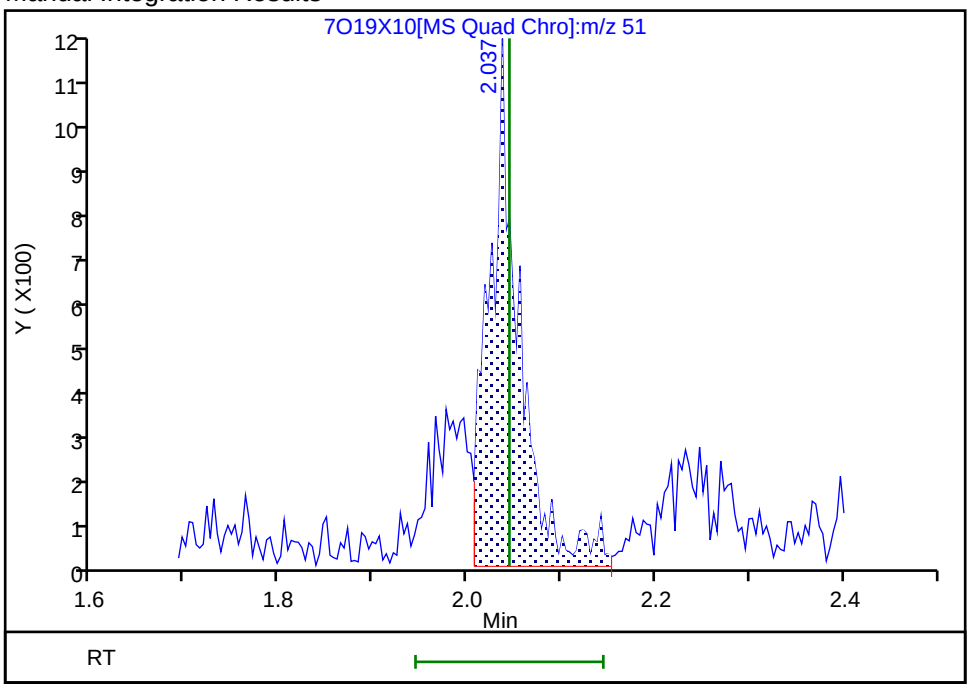
Processing Integration Results

RT: 1.98
Area: 869
Amount: 0.076231
Amount Units: ppb v/v



Manual Integration Results

RT: 2.04
Area: 2359
Amount: 0.191310
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:13:17 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

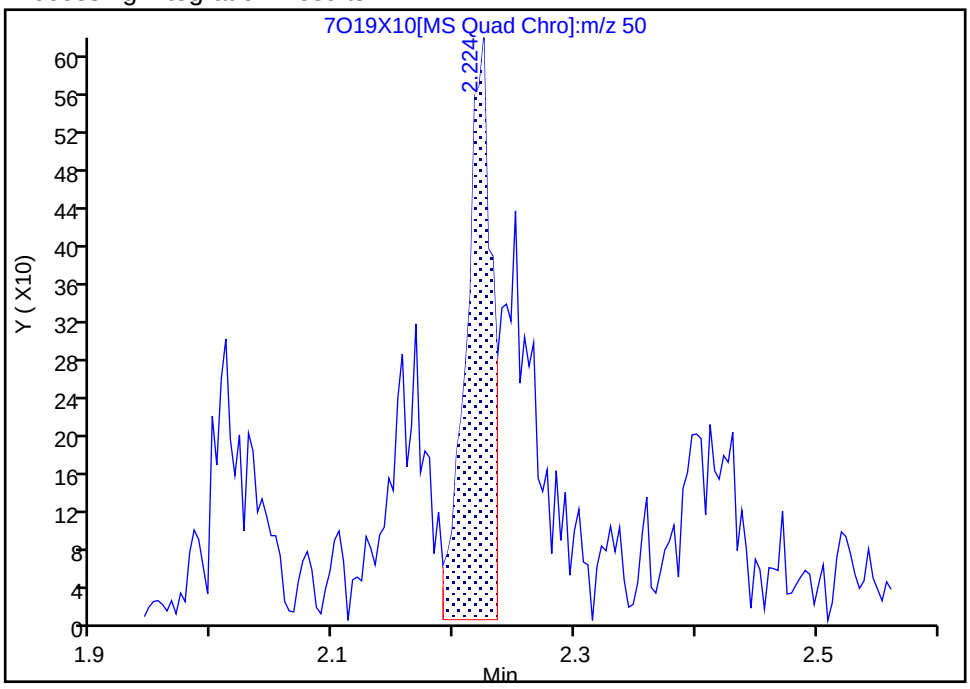
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Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

5 Chloromethane, CAS: 74-87-3

Signal: 1

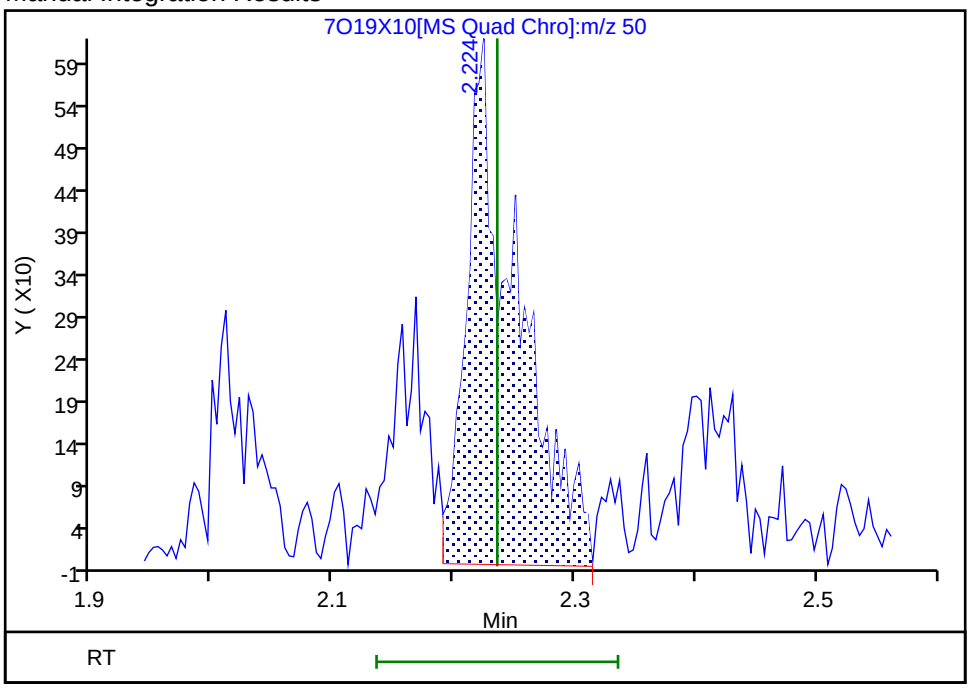
Processing Integration Results

RT: 2.22
Area: 870
Amount: 0.127912
Amount Units: ppb v/v



Manual Integration Results

RT: 2.22
Area: 1764
Amount: 0.239663
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:12:24 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

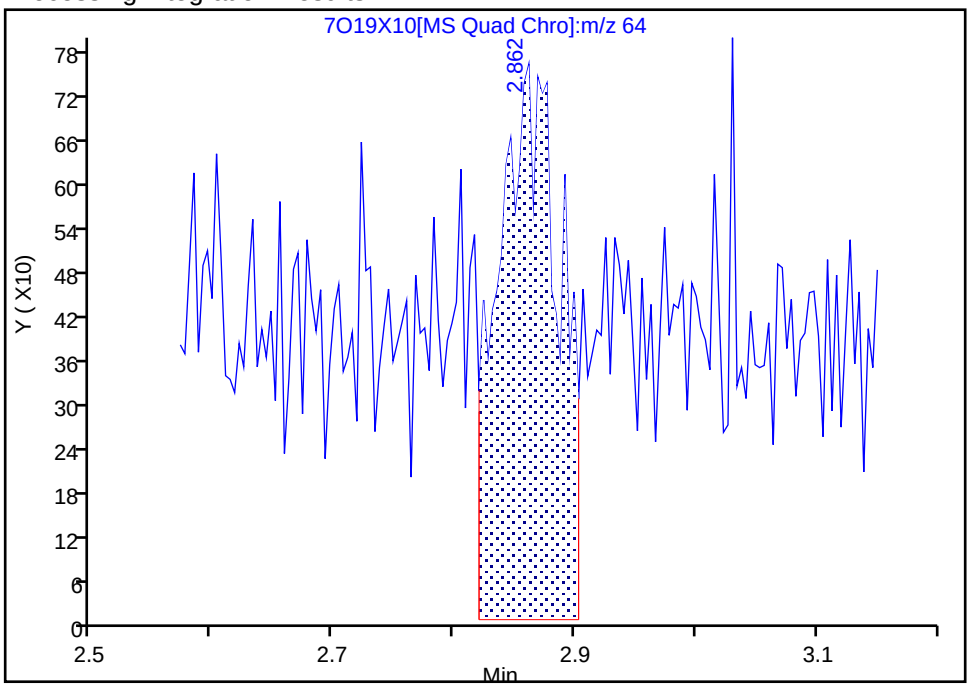
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Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

9 Chloroethane, CAS: 75-00-3

Signal: 1

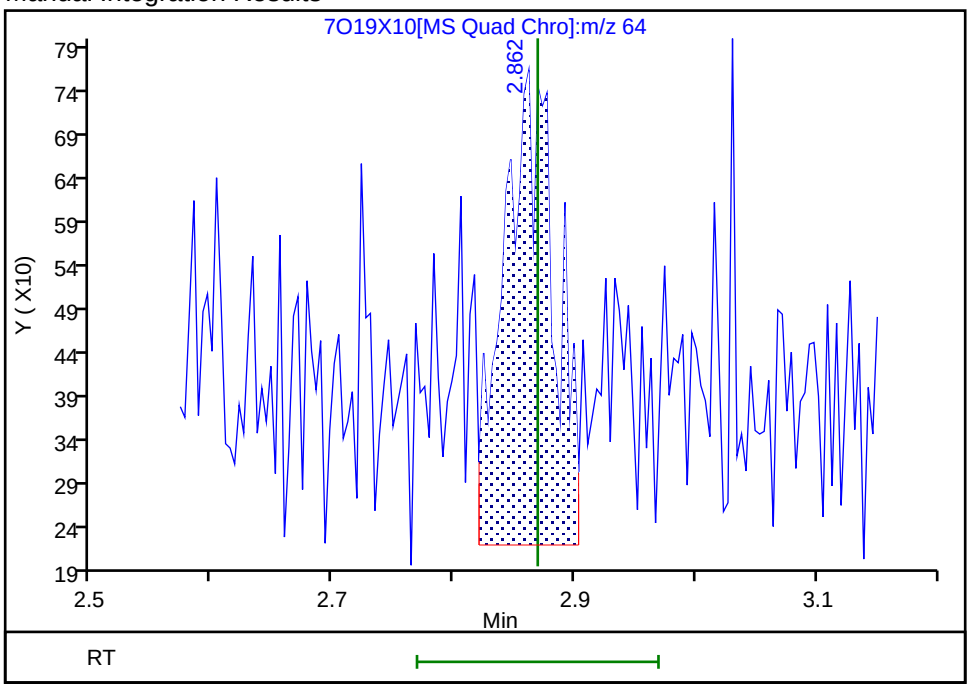
Processing Integration Results

RT: 2.86
Area: 2638
Amount: 0.452901
Amount Units: ppb v/v



Manual Integration Results

RT: 2.86
Area: 1561
Amount: 0.313383
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 07:59:45 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

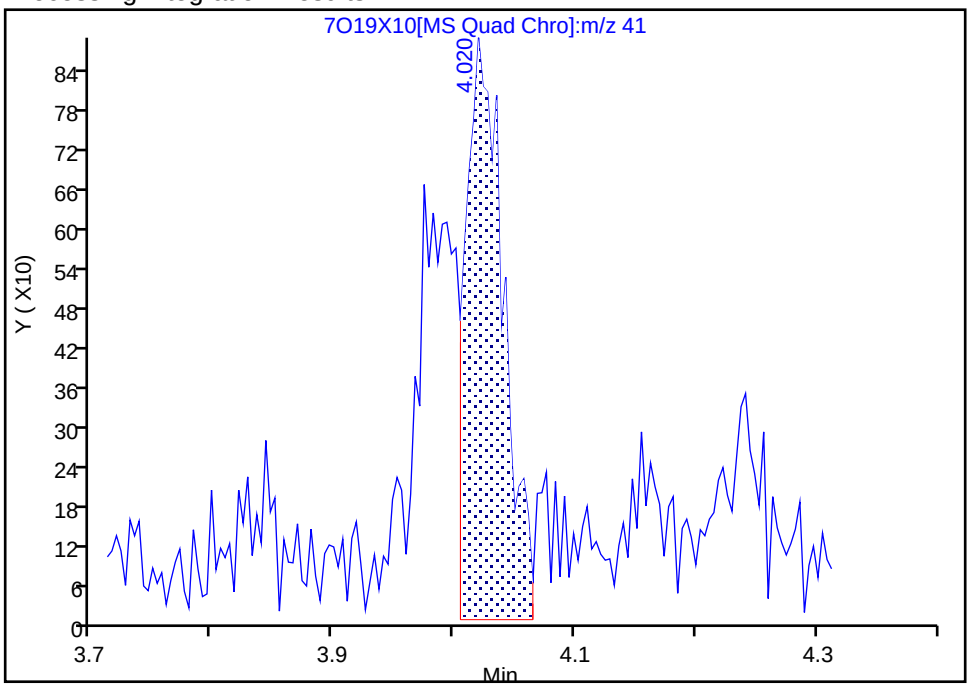
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Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

28 Acetonitrile, CAS: 75-05-8

Signal: 1

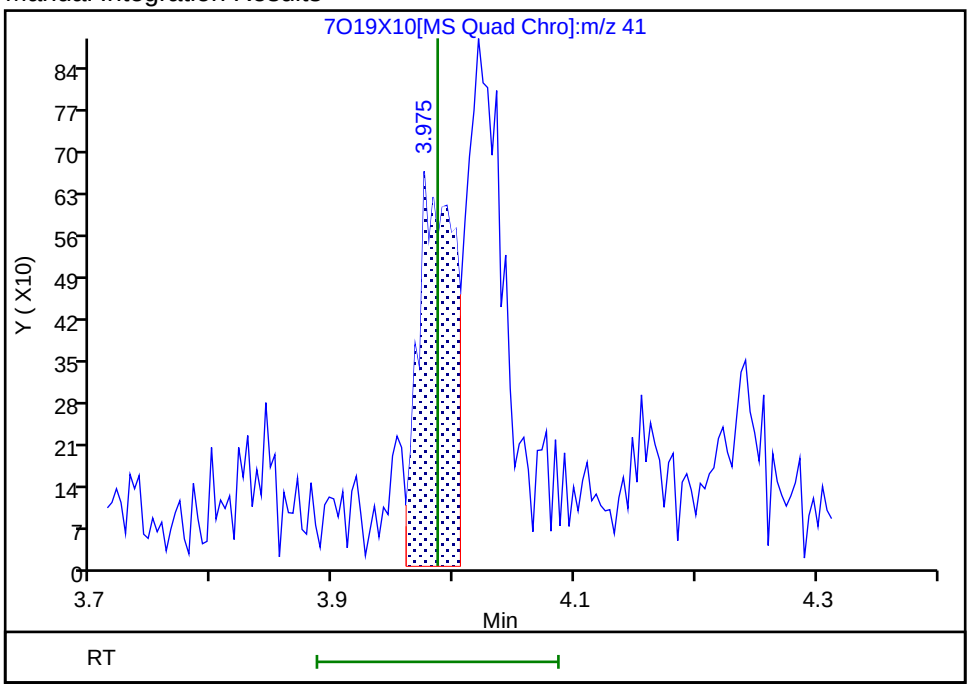
Processing Integration Results

RT: 4.02
Area: 1851
Amount: 0.329658
Amount Units: ppb v/v



Manual Integration Results

RT: 3.98
Area: 1310
Amount: 0.248257
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 07:59:53 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

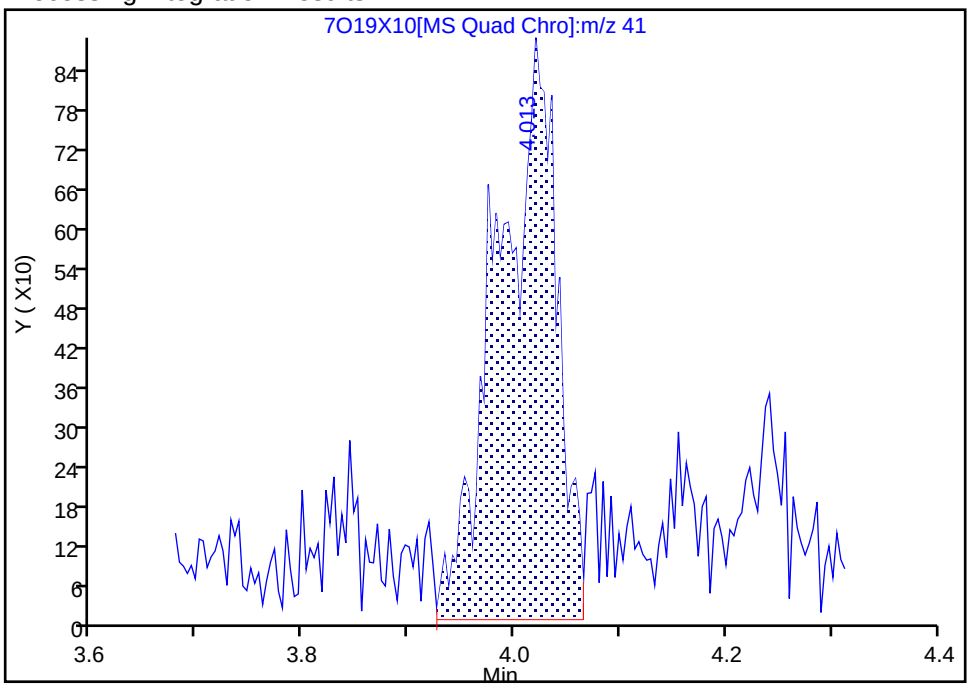
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Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

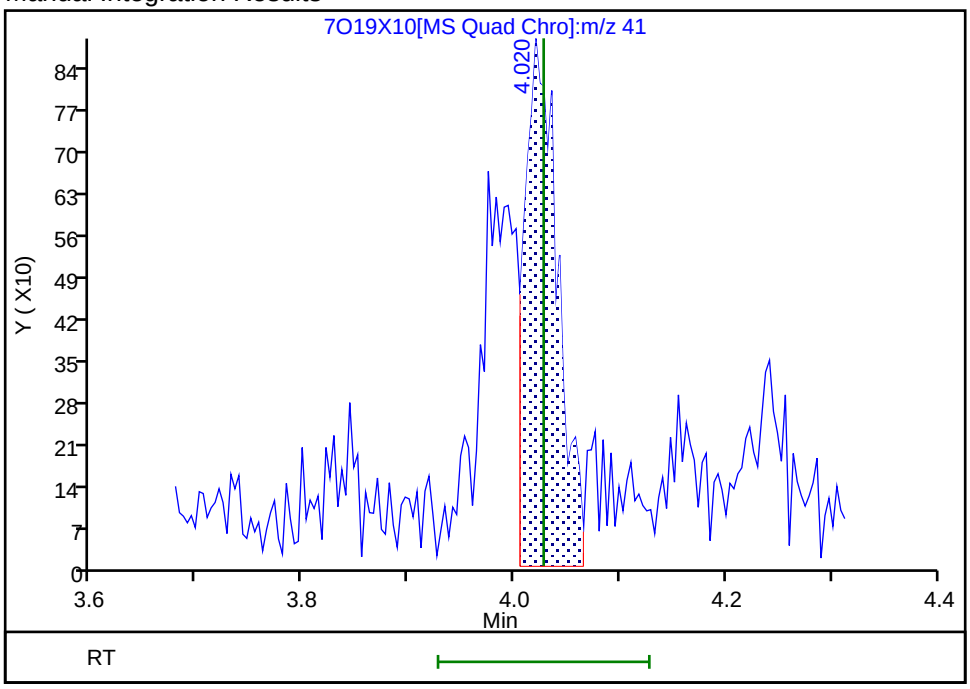
Processing Integration Results

RT: 4.01
Area: 3395
Amount: 0.313206
Amount Units: ppb v/v



Manual Integration Results

RT: 4.02
Area: 1851
Amount: 0.199130
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 08:00:05 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

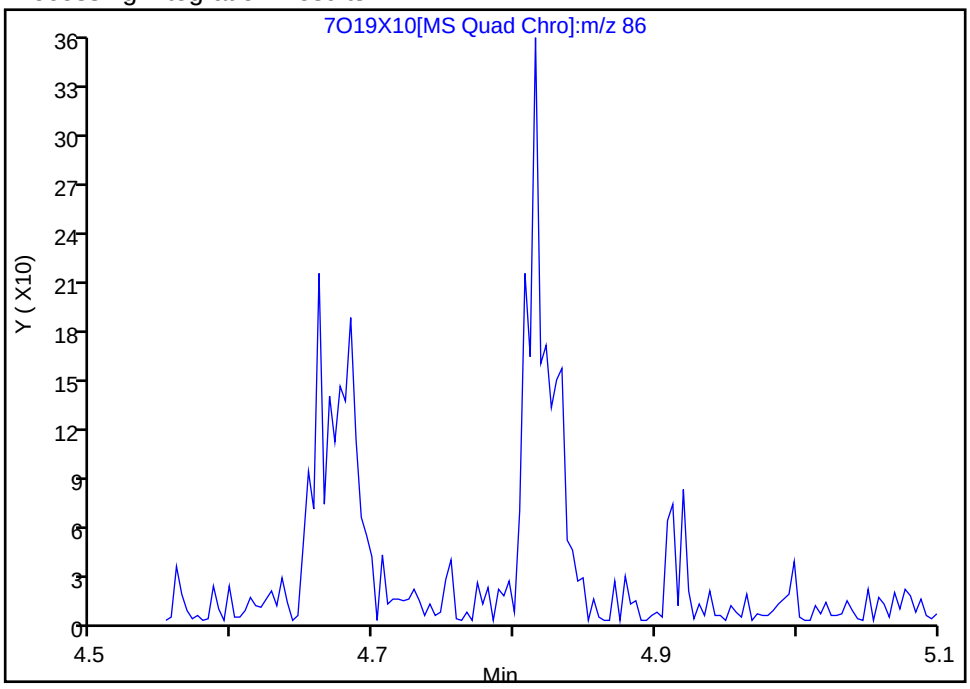
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Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

33 Vinyl acetate, CAS: 108-05-4

Signal: 1

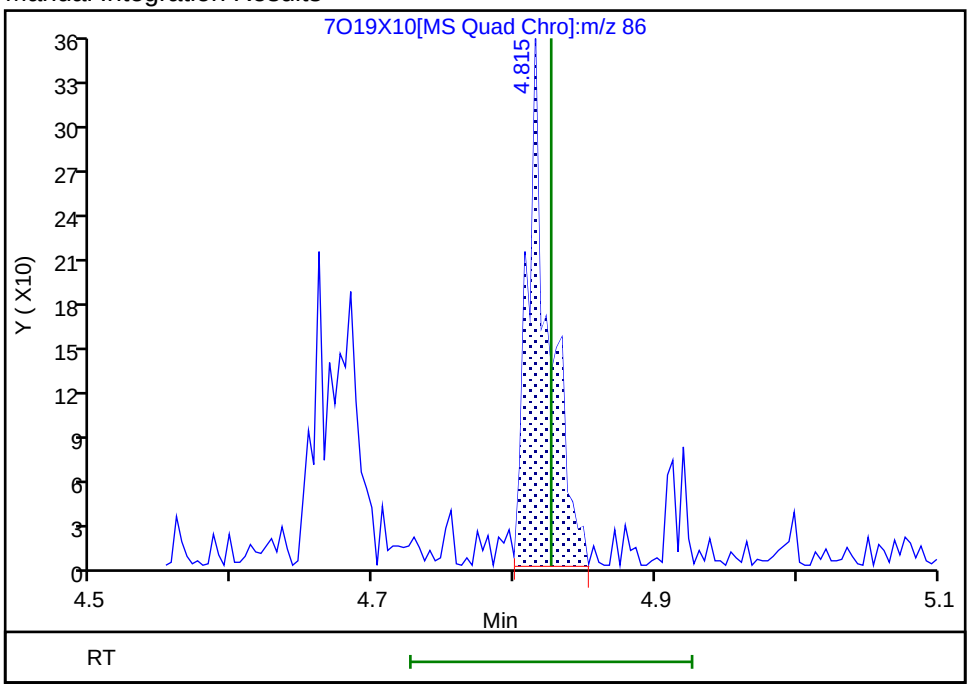
Not Detected
Expected RT: 4.83

Processing Integration Results



Manual Integration Results

RT: 4.81
Area: 381
Amount: 0.211311
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 08:00:45 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

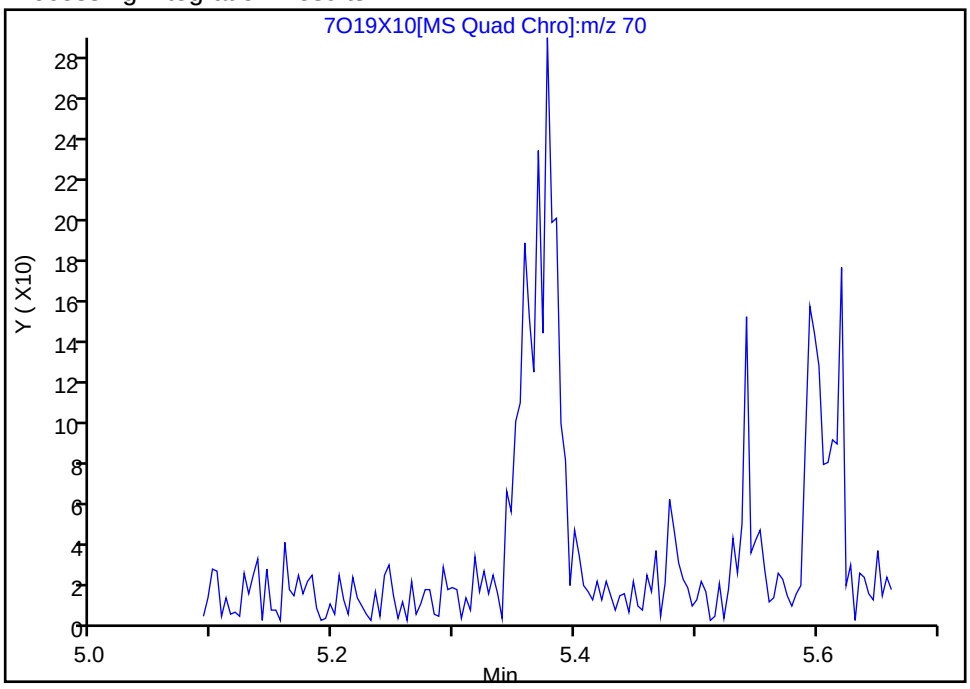
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X10.D				
Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

38 Ethyl acetate, CAS: 141-78-6

Signal: 1

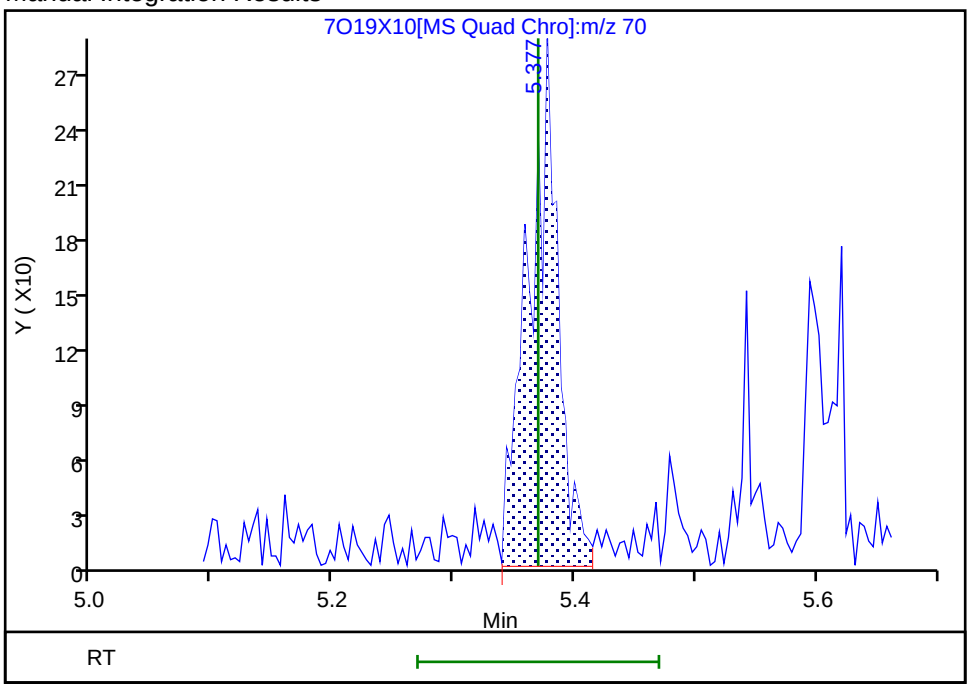
Processing Integration Results

Not Detected
Expected RT: 5.37



Manual Integration Results

RT: 5.38
Area: 476
Amount: 0.213050
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 08:01:14 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

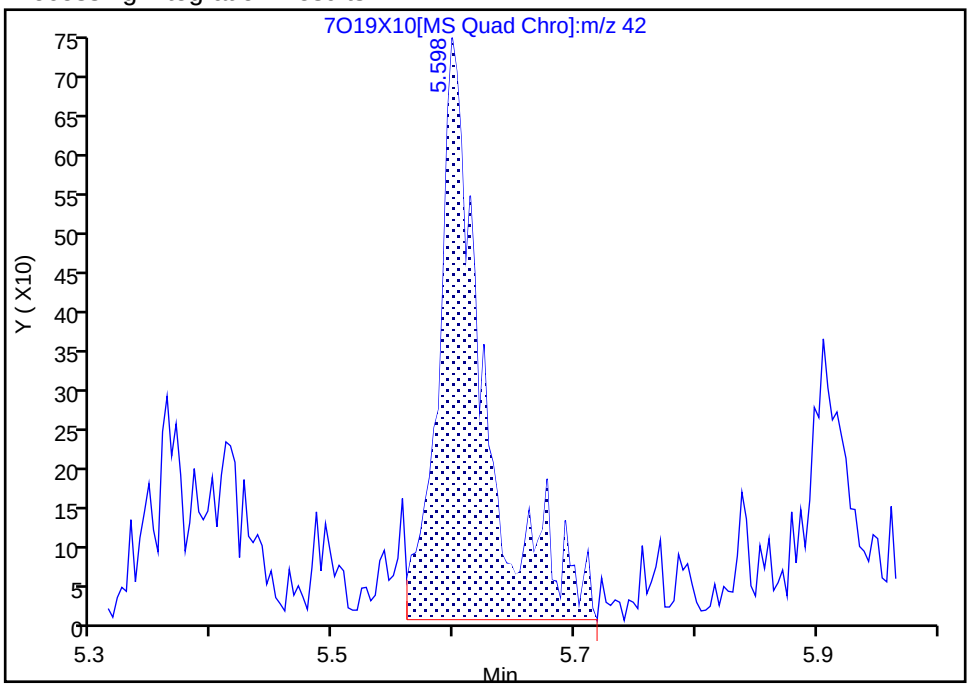
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Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

41 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

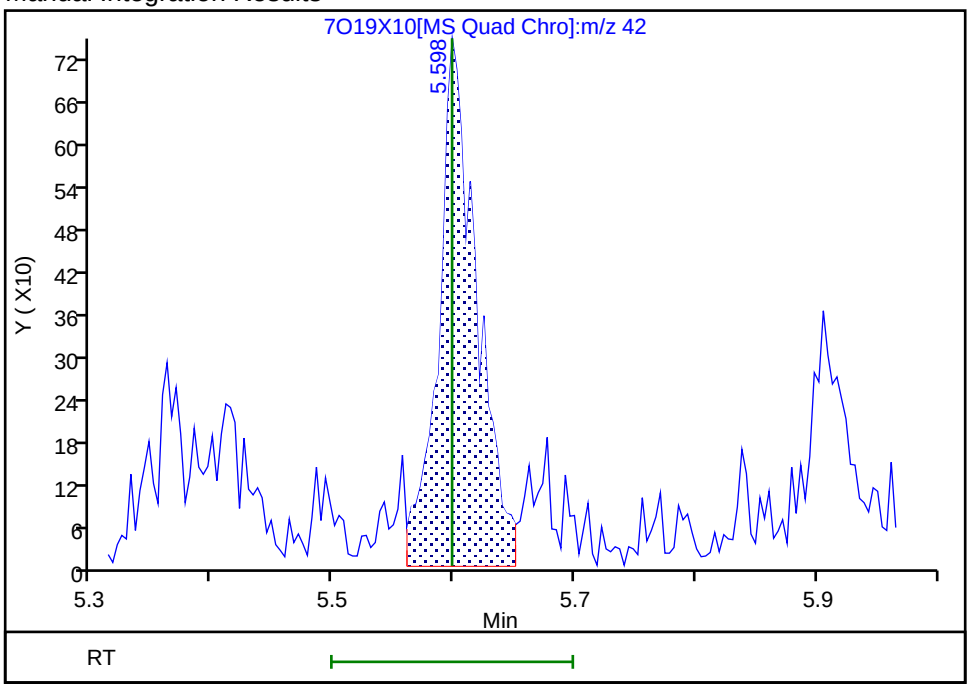
Processing Integration Results

RT: 5.60
Area: 1916
Amount: 0.232310
Amount Units: ppb v/v



Manual Integration Results

RT: 5.60
Area: 1608
Amount: 0.199625
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:11:18 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

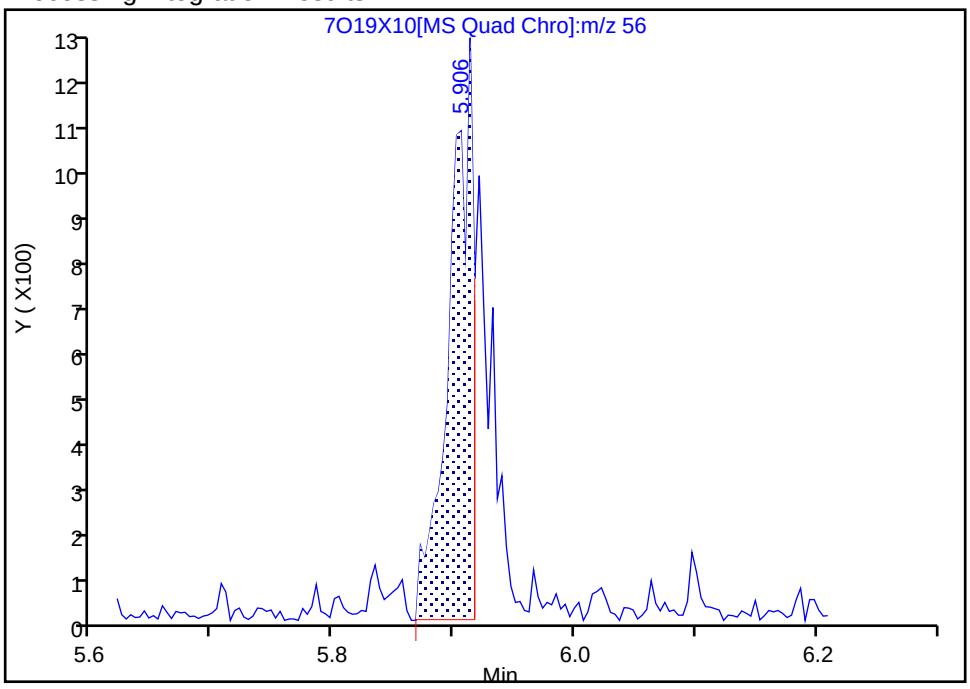
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Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

36 Cyclohexane, CAS: 110-82-7

Signal: 1

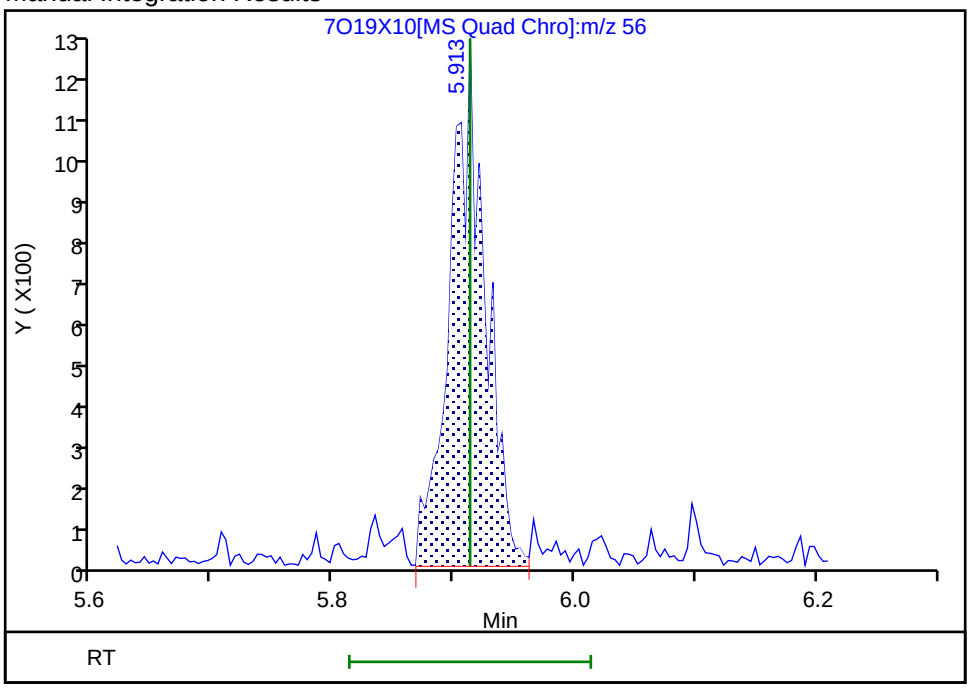
Processing Integration Results

RT: 5.91
Area: 1575
Amount: 0.135166
Amount Units: ppb v/v



Manual Integration Results

RT: 5.91
Area: 2460
Amount: 0.201550
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:11:05 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

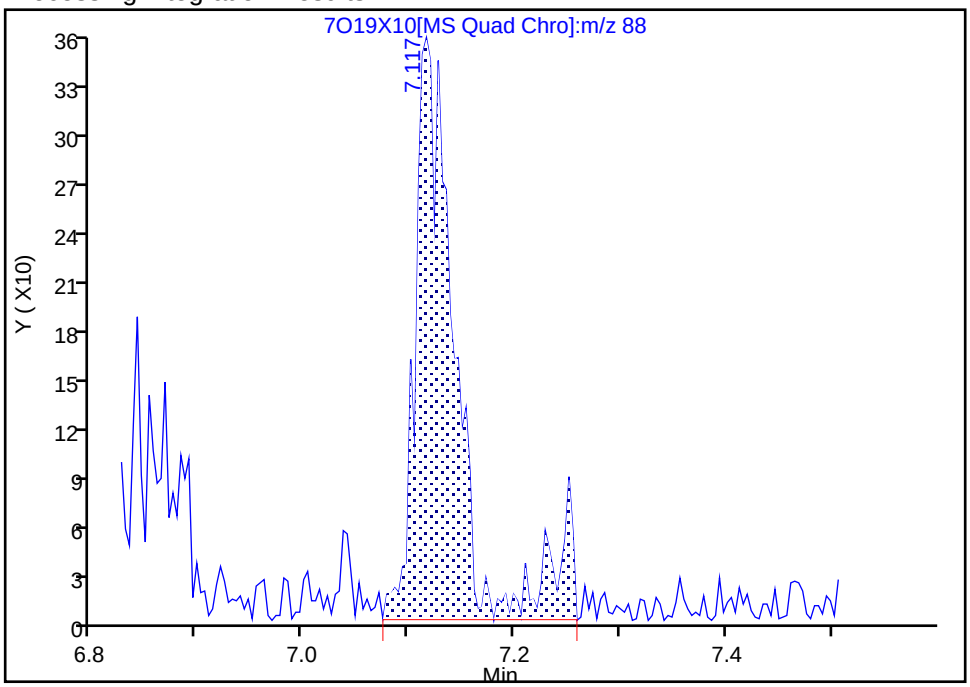
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X10.D				
Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

56 1,4-Dioxane, CAS: 123-91-1

Signal: 1

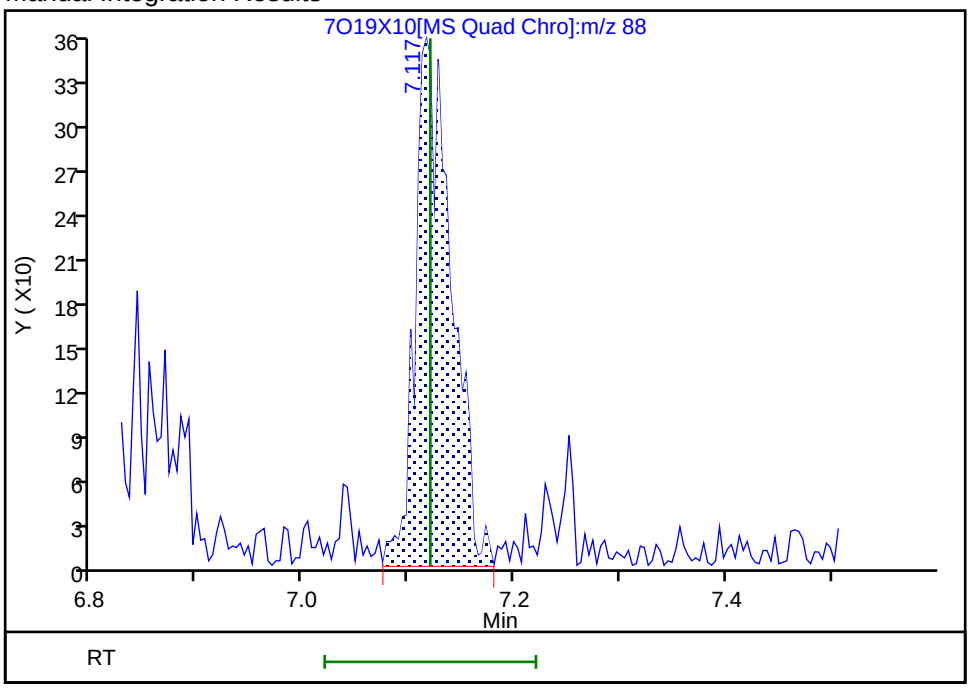
Processing Integration Results

RT: 7.12
Area: 960
Amount: 0.225735
Amount Units: ppb v/v



Manual Integration Results

RT: 7.12
Area: 840
Amount: 0.201064
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:10:39 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

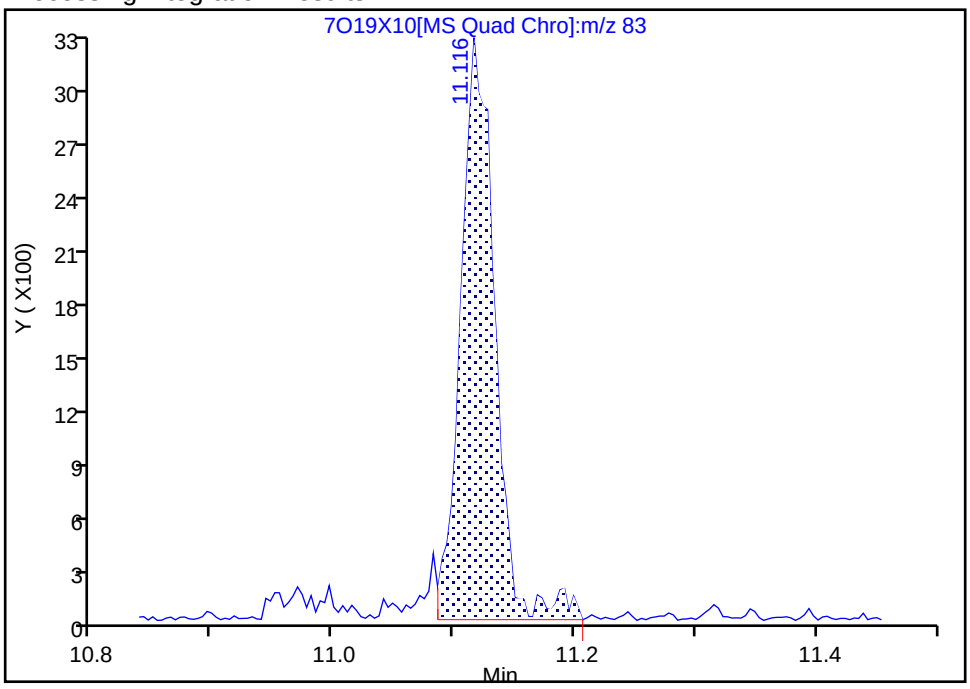
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Injection Date:	19-Oct-2023 17:10:16	Instrument ID:	HP8R004		
Lims ID:	IC CAL 0.2				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

79 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Signal: 1

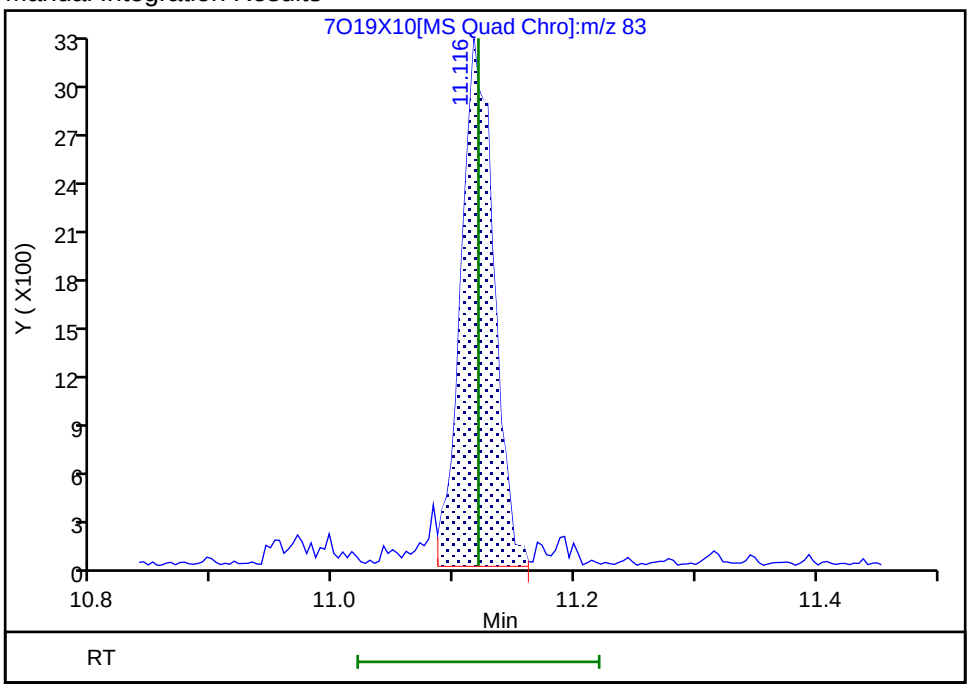
Processing Integration Results

RT: 11.12
Area: 6375
Amount: 0.208534
Amount Units: ppb v/v



Manual Integration Results

RT: 11.12
Area: 6123
Amount: 0.201921
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:10:20 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X13.D
Lims ID: IC CAL25 ppb
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Oct-2023 17:32:19 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC 25
Misc. Info.: 410-0094107-009
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub3

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 23-Oct-2023 13:45:16 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: MLX9 Date: 20-Oct-2023 08:01:40

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	1.977	1.981	-0.004	99	160552	25.0	23.3	
2 Dichlorodifluoromethane	85	2.015	2.014	0.001	99	664054	25.0	25.6	
3 Chlorodifluoromethane	51	2.045	2.044	0.001	97	363280	25.0	24.8	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.164	2.164	0.000	97	698249	25.0	23.7	
5 Chloromethane	50	2.232	2.236	-0.004	99	203942	25.0	23.3	
6 Vinyl chloride	62	2.382	2.382	0.000	98	246515	25.0	25.9	
7 Butadiene	54	2.416	2.408	0.008	90	161075	25.0	26.1	
8 Bromomethane	94	2.753	2.757	-0.004	91	228921	25.0	26.1	
9 Chloroethane	64	2.869	2.869	0.000	100	127719	25.0	21.6	
10 Vinyl bromide	106	3.068	3.064	0.004	99	233847	25.0	27.8	
13 Dichlorofluoromethane	67	3.109	3.105	0.004	97	550372	25.0	26.3	
12 Trichlorofluoromethane	101	3.139	3.139	0.000	98	678555	25.0	23.8	
11 Pentane	43	3.237	3.233	0.004	96	348694	25.0	23.4	M
14 Ethanol	45	3.304	3.312	-0.008	97	47223	25.0	21.9	
19 Acrolein	56	3.566	3.563	0.003	98	81044	25.0	24.0	
15 1,1-Dichloroethene	61	3.668	3.668	0.000	98	384609	25.0	26.3	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.683	3.683	0.000	95	402624	25.0	23.4	
23 Acetone	43	3.705	3.709	-0.004	100	316673	25.0	22.3	
18 Iodomethane	142	3.818	3.814	0.004	100	605063	25.0	28.5	
20 Isopropyl alcohol	45	3.833	3.836	-0.003	96	154554	25.0	19.1	
17 Carbon disulfide	76	3.885	3.885	0.000	99	736732	25.0	26.4	
28 Acetonitrile	41	3.983	3.986	-0.003	98	159653	25.0	25.5	
21 3-Chloro-1-propene	41	4.028	4.028	0.000	93	278443	25.0	25.2	
22 Methylene Chloride	84	4.155	4.155	0.000	89	245791	25.0	24.9	
27 2-Methyl-2-propanol	59	4.234	4.237	-0.003	94	189930	25.0	24.1	
31 Acrylonitrile	53	4.376	4.376	0.000	98	204438	25.0	25.1	
26 Methyl tert-butyl ether	73	4.406	4.406	0.000	96	655993	25.0	27.7	
24 trans-1,2-Dichloroethene	61	4.414	4.414	0.000	99	374042	25.0	26.0	
25 Hexane	56	4.672	4.680	-0.008	92	201856	25.0	25.6	
33 Vinyl acetate	86	4.819	4.826	-0.007	97	63982	27.5	29.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.830	4.833	-0.003	96	481143	25.0	24.3	
29 Isopropyl ether	45	4.849	4.856	-0.007	92	832706	25.0	28.7	
32 Tert-butyl ethyl ether	59	5.190	5.193	-0.003	97	700146	25.0	28.8	
43 2-Butanone (MEK)	72	5.343	5.343	0.000	100	122505	25.0	25.8	
34 cis-1,2-Dichloroethene	61	5.362	5.362	0.000	82	444111	25.0	25.6	
38 Ethyl acetate	70	5.366	5.370	-0.004	94	67235	25.0	25.3	
39 Methyl acrylate	55	5.415	5.418	-0.003	100	440186	25.0	27.3	
* 35 Chlorobromomethane (IS)	130	5.583	5.587	-0.004	94	119590	10.0	10.0	
41 Tetrahydrofuran	42	5.595	5.598	-0.003	93	251722	25.0	26.3	
37 Chloroform	83	5.670	5.673	-0.003	93	592315	25.0	24.1	
42 1,1,1-Trichloroethane	97	5.838	5.842	-0.004	98	583932	25.0	24.8	
36 Cyclohexane	56	5.909	5.913	-0.004	90	403585	25.0	27.8	
40 Carbon tetrachloride	117	5.984	5.984	0.000	97	605068	25.0	25.1	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.146	6.146	0.000	0	157825	10.0	9.68	
46 Benzene	78	6.172	6.176	-0.004	94	908486	25.0	23.7	
48 1,2-Dichloroethane	62	6.217	6.220	-0.003	97	390253	25.0	23.7	
44 Isooctane	57	6.284	6.284	0.000	95	1350550	25.0	29.5	
47 Tert-amyl methyl ether	73	6.281	6.288	-0.007	78	714746	25.0	28.8	
45 n-Heptane	71	6.431	6.434	-0.004	91	324808	25.0	29.4	
* 50 1,4-Difluorobenzene	114	6.562	6.565	-0.003	94	490828	10.0	10.0	
49 Trichloroethene	130	6.794	6.798	-0.004	99	396623	25.0	23.6	
52 Ethyl acrylate	55	6.854	6.862	-0.008	99	557333	25.0	27.4	
53 1,2-Dichloropropane	63	7.057	7.060	-0.003	94	353380	25.0	23.4	
55 Methyl methacrylate	69	7.087	7.086	0.001	91	303569	25.0	28.0	
56 1,4-Dioxane	88	7.113	7.120	-0.007	91	137430	25.0	26.4	
51 Dibromomethane	174	7.143	7.146	-0.003	92	332901	25.0	24.8	
54 Dichlorobromomethane	83	7.308	7.311	-0.003	100	658892	25.0	24.8	
57 cis-1,3-Dichloropropene	75	7.750	7.754	-0.004	98	497910	25.0	26.4	
60 4-Methyl-2-pentanone (MIBK)	43	7.889	7.892	-0.003	97	612564	25.0	28.7	
$ 103 Toluene-d8 (Surr)	98	8.027	8.031	-0.004	93	578545	10.0	10.2	
59 Toluene	91	8.099	8.106	-0.007	98	1158964	25.0	25.9	
58 n-Octane	43	8.215	8.219	-0.004	88	700272	25.0	30.4	
62 trans-1,3-Dichloropropene	75	8.335	8.335	0.000	90	456048	25.0	28.7	
63 Ethyl methacrylate	69	8.372	8.376	-0.004	88	529506	25.0	32.1	
64 1,1,2-Trichloroethane	97	8.545	8.548	-0.003	90	398211	25.0	24.6	
61 Tetrachloroethene	166	8.646	8.650	-0.004	91	572508	25.0	26.4	
67 2-Hexanone	43	8.766	8.770	-0.004	97	573040	25.0	30.9	
65 Chlorodibromomethane	127	8.957	8.961	-0.004	89	517200	25.0	27.4	
66 Ethylene Dibromide	107	9.096	9.099	-0.003	98	593875	25.0	27.2	
* 68 Chlorobenzene-d5 (IS)	117	9.606	9.606	0.000	87	486654	10.0	10.0	
69 Chlorobenzene	112	9.636	9.639	-0.003	95	914009	25.0	25.6	
71 1,1,1,2-Tetrachloroethane	131	9.733	9.737	-0.004	95	483031	25.0	27.2	
70 Ethylbenzene	91	9.741	9.741	0.000	98	1501088	25.0	29.7	
72 m-Xylene & p-Xylene	91	9.887	9.890	-0.003	98	1159262	25.0	31.2	
73 o-Xylene	91	10.329	10.329	0.000	97	1119953	25.0	31.5	
74 Styrene	104	10.352	10.355	-0.003	94	859206	25.0	35.6	
75 Bromoform	173	10.565	10.565	0.000	94	577772	25.0	29.9	
76 Isopropylbenzene	105	10.753	10.753	0.000	96	1548596	25.0	32.8	
79 1,1,2,2-Tetrachloroethane	83	11.120	11.120	0.000	95	862387	25.0	26.8	
78 Bromobenzene	156	11.135	11.135	0.000	95	475315	25.0	26.9	
83 1,2,3-Trichloropropane	110	11.188	11.191	-0.003	85	236385	25.0	25.8	
77 N-Propylbenzene	120	11.244	11.244	0.000	99	444736	25.0	31.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
81 2-Chlorotoluene	126	11.353	11.352	0.001	97	392345	25.0	29.4	
80 4-Ethyltoluene	105	11.383	11.382	0.001	98	1628452	25.0	33.0	
82 1,3,5-Trimethylbenzene	105	11.450	11.454	-0.004	94	1339057	25.0	32.4	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	92	560327	25.0	34.3	
85 tert-Butylbenzene	119	11.795	11.795	0.000	93	1228837	25.0	32.6	
86 1,2,4-Trimethylbenzene	105	11.859	11.859	0.000	98	1288889	25.0	34.0	
87 sec-Butylbenzene	105	12.027	12.027	0.000	95	1868746	25.0	32.8	
89 1,3-Dichlorobenzene	146	12.151	12.151	0.000	97	815323	25.0	27.4	
88 4-Isopropyltoluene	119	12.185	12.185	0.000	96	1523244	25.0	34.6	
90 1,4-Dichlorobenzene	146	12.252	12.256	-0.004	94	839646	25.0	28.7	
92 Benzyl chloride	126	12.368	12.368	0.000	98	191821	25.0	33.2	
91 n-Butylbenzene	92	12.582	12.586	-0.004	98	749425	25.0	34.6	
94 1,2-Dichlorobenzene	146	12.605	12.608	-0.003	96	787994	25.0	28.2	
93 Hexachloroethane	117	12.860	12.859	0.001	91	353022	25.0	25.5	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.321	0.000	85	330302	25.0	28.0	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	94	438716	21.8	23.3	
96 Hexachlorobutadiene	225	14.115	14.112	0.003	93	345717	25.0	23.9	
98 Naphthalene	128	14.217	14.220	-0.003	97	1131704	25.0	30.5	
S 100 1,2-Dichloroethene, Total	61				0	818153	50.0	51.6	
S 109 1,3-Dichloropropene, Total	75				0		50.0	55.1	
S 101 Xylenes, Total	91				0	2279215	50.0	62.7	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRCAL50.0_00116	Amount Added: 100.00	Units: ml	
AIRIS200 ppb_00245	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 23-Oct-2023 13:45:17 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X13.D

Injection Date: 19-Oct-2023 17:32:19 Instrument ID: HP8R004

Lims ID: IC CAL25 ppb

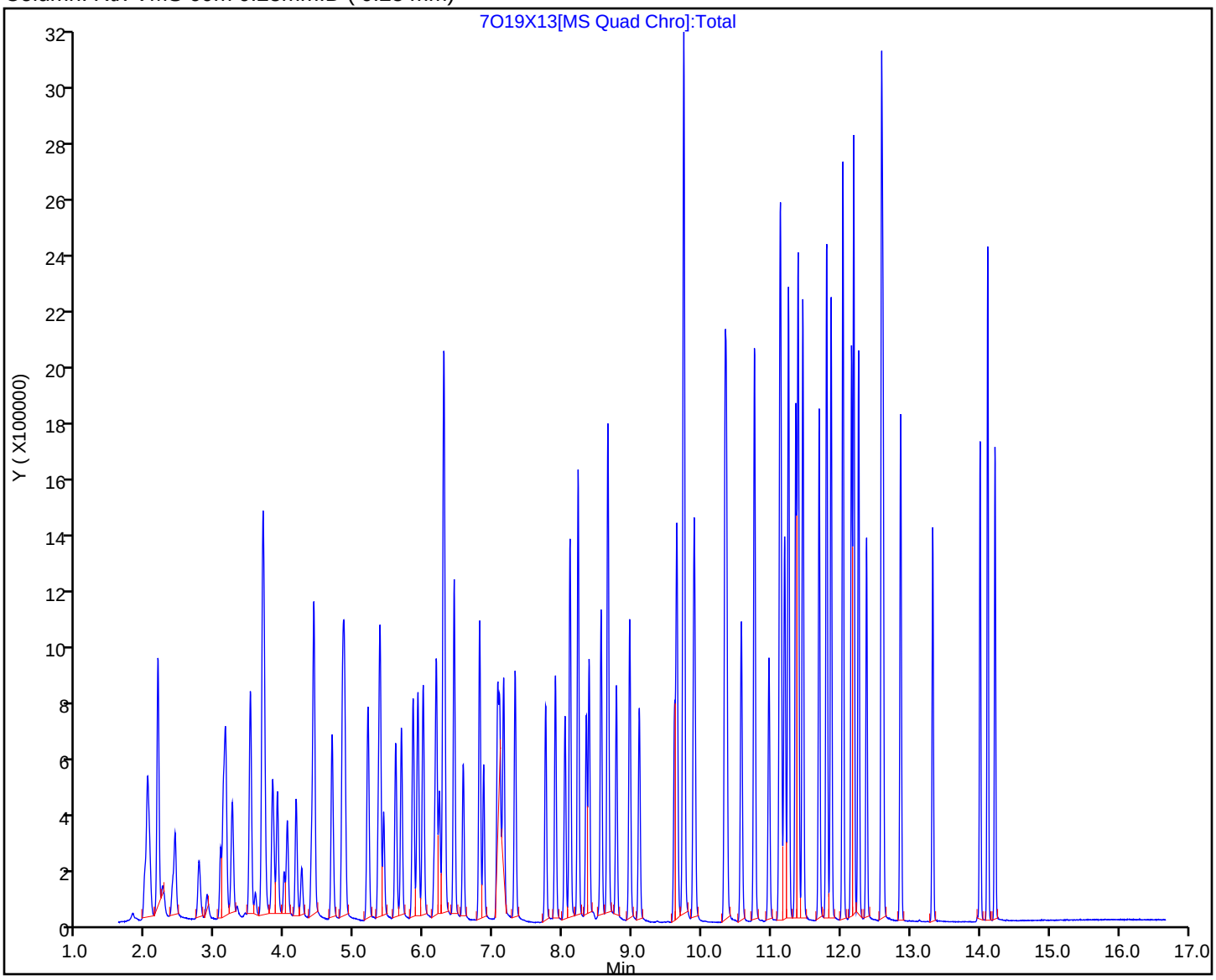
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 9

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

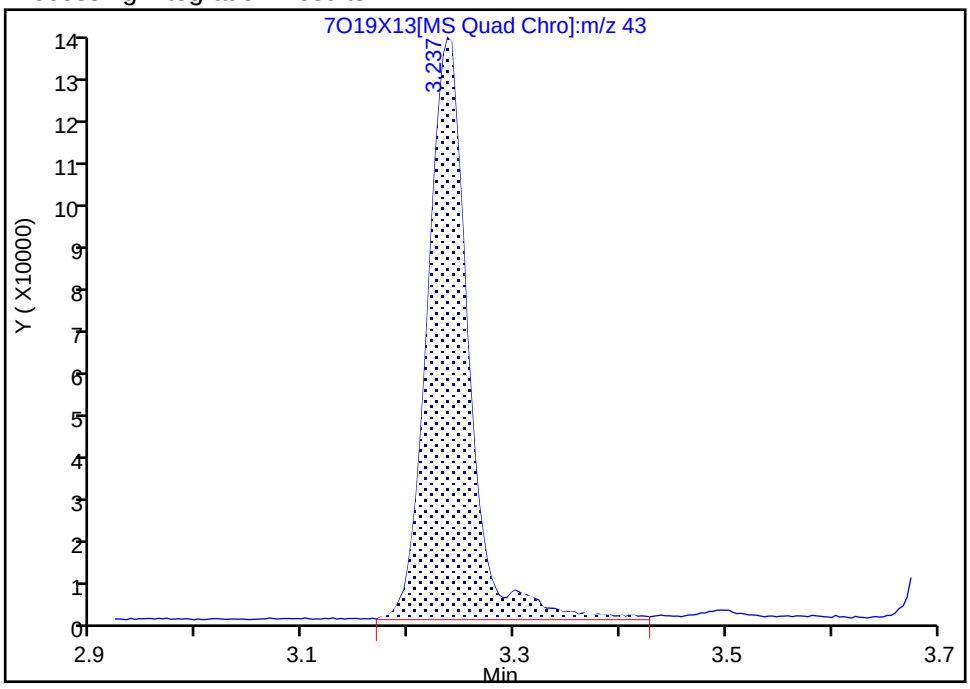
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Injection Date:	19-Oct-2023 17:32:19	Instrument ID:	HP8R004		
Lims ID:	IC CAL25 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	9
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

11 Pentane, CAS: 109-66-0

Signal: 1

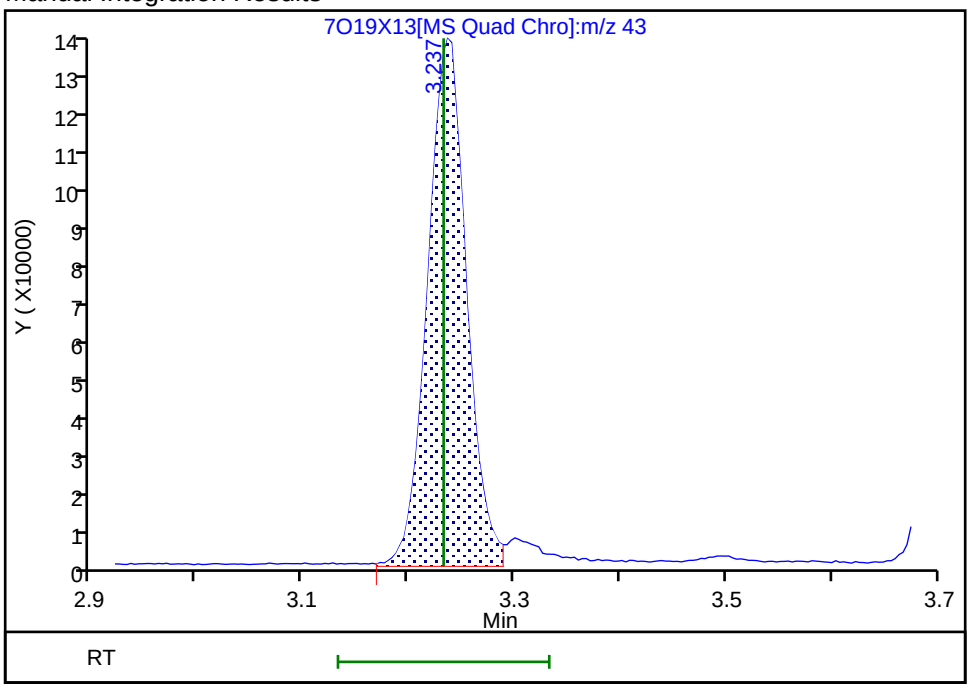
Processing Integration Results

RT: 3.24
Area: 371422
Amount: 24.621546
Amount Units: ppb v/v



Manual Integration Results

RT: 3.24
Area: 348694
Amount: 23.446716
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:14:04 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D
Lims ID: IC CAL75 ppb
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 19-Oct-2023 17:54:23 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: IC 75
Misc. Info.: 410-0094107-010
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub3

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 23-Oct-2023 13:45:28 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: MLX9 Date: 20-Oct-2023 08:02:03

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	1.984	1.981	0.003	99	549510	75.0	72.1	
2 Dichlorodifluoromethane	85	2.022	2.014	0.008	99	2157806	75.0	75.0	
3 Chlorodifluoromethane	51	2.055	2.044	0.011	97	1199621	75.0	74.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.172	2.164	0.008	98	2336758	75.0	71.6	
5 Chloromethane	50	2.254	2.236	0.018	99	664377	75.0	68.6	
6 Vinyl chloride	62	2.385	2.382	0.003	98	804261	75.0	76.3	
7 Butadiene	54	2.419	2.408	0.011	89	580318	75.0	85.0	
8 Bromomethane	94	2.760	2.757	0.003	91	739255	75.0	76.2	
9 Chloroethane	64	2.884	2.869	0.015	100	408339	75.0	62.3	
10 Vinyl bromide	106	3.075	3.064	0.011	98	788158	75.0	84.5	
13 Dichlorofluoromethane	67	3.120	3.105	0.015	97	1827156	75.0	78.8	
12 Trichlorofluoromethane	101	3.142	3.139	0.003	99	2144402	75.0	67.9	
11 Pentane	43	3.240	3.233	0.007	97	1234343	75.0	75.0	M
14 Ethanol	45	3.311	3.312	-0.001	97	170781	75.0	71.5	
19 Acrolein	56	3.570	3.563	0.007	99	292438	75.0	78.3	
15 1,1-Dichloroethene	61	3.671	3.668	0.003	98	1306207	75.0	80.7	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.686	3.683	0.003	95	1227536	75.0	64.3	
23 Acetone	43	3.705	3.709	-0.004	100	1063901	75.0	67.8	
18 Iodomethane	142	3.821	3.814	0.007	100	1888296	75.0	80.5	
20 Isopropyl alcohol	45	3.836	3.836	0.000	98	635713	75.0	71.1	
17 Carbon disulfide	76	3.888	3.885	0.003	99	2367961	75.0	76.7	
28 Acetonitrile	41	3.993	3.986	0.007	98	457238	75.0	65.9	
21 3-Chloro-1-propene	41	4.031	4.028	0.003	87	1047034	75.0	85.6	M
22 Methylene Chloride	84	4.166	4.155	0.011	90	799269	75.0	73.1	
27 2-Methyl-2-propanol	59	4.237	4.237	0.000	97	756516	75.0	86.7	
31 Acrylonitrile	53	4.380	4.376	0.004	98	690544	75.0	76.6	
26 Methyl tert-butyl ether	73	4.406	4.406	0.000	95	2294003	75.0	87.4	
24 trans-1,2-Dichloroethene	61	4.417	4.414	0.003	99	1273898	75.0	80.1	
25 Hexane	56	4.679	4.680	-0.001	91	654817	75.0	75.1	
33 Vinyl acetate	86	4.822	4.826	-0.004	97	238086	82.5	100.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.833	4.833	0.000	96	1584508	75.0	72.3	
29 Isopropyl ether	45	4.856	4.856	0.000	91	2752830	75.0	85.7	
32 Tert-butyl ethyl ether	59	5.193	5.193	0.000	97	2539361	75.0	94.3	
43 2-Butanone (MEK)	72	5.343	5.343	0.000	100	435790	75.0	82.7	
34 cis-1,2-Dichloroethene	61	5.365	5.362	0.003	82	1518870	75.0	79.1	
38 Ethyl acetate	70	5.369	5.370	-0.001	94	225640	75.0	76.8	
39 Methyl acrylate	55	5.418	5.418	0.000	100	1512494	75.0	84.8	
* 35 Chlorobromomethane (IS)	130	5.590	5.587	0.003	96	132418	10.0	10.0	
41 Tetrahydrofuran	42	5.598	5.598	0.000	86	871357	75.0	82.2	
37 Chloroform	83	5.677	5.673	0.004	93	1949995	75.0	71.5	
42 1,1,1-Trichloroethane	97	5.842	5.842	0.000	98	1913863	75.0	73.4	
36 Cyclohexane	56	5.913	5.913	0.000	90	1405630	75.0	87.5	
40 Carbon tetrachloride	117	5.988	5.984	0.004	97	1928156	75.0	72.3	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.149	6.146	0.003	0	172136	10.0	9.54	
46 Benzene	78	6.179	6.176	0.003	95	2922486	75.0	69.6	
48 1,2-Dichloroethane	62	6.220	6.220	0.000	97	1248793	75.0	69.2	
44 Isooctane	57	6.284	6.284	0.000	95	4541639	75.0	90.6	
47 Tert-amyl methyl ether	73	6.284	6.288	-0.004	73	2511886	75.0	92.5	
45 n-Heptane	71	6.434	6.434	0.000	91	1060200	75.0	87.7	
* 50 1,4-Difluorobenzene	114	6.565	6.565	0.000	94	537359	10.0	10.0	
49 Trichloroethene	130	6.801	6.798	0.003	98	1284785	75.0	69.9	
52 Ethyl acrylate	55	6.857	6.862	-0.005	99	1926918	75.0	86.4	
53 1,2-Dichloropropane	63	7.060	7.060	0.000	94	1112786	75.0	67.3	
55 Methyl methacrylate	69	7.086	7.086	0.000	88	1041899	75.0	87.9	
56 1,4-Dioxane	88	7.112	7.120	-0.008	93	478058	75.0	84.0	
51 Dibromomethane	174	7.146	7.146	0.000	92	1035073	75.0	70.6	
54 Dichlorobromomethane	83	7.311	7.311	0.000	100	2079855	75.0	71.5	
57 cis-1,3-Dichloropropene	75	7.750	7.754	-0.004	97	1754941	75.0	85.2	
60 4-Methyl-2-pentanone (MIBK)	43	7.888	7.892	-0.004	97	1978442	75.0	84.8	
$ 103 Toluene-d8 (Surr)	98	8.027	8.031	-0.004	94	633511	10.0	10.5	
59 Toluene	91	8.102	8.106	-0.004	99	3697688	75.0	77.1	
58 n-Octane	43	8.214	8.219	-0.005	86	2230416	75.0	90.5	
62 trans-1,3-Dichloropropene	75	8.334	8.335	-0.001	90	1541113	75.0	90.6	
63 Ethyl methacrylate	69	8.376	8.376	0.000	87	1775041	75.0	100.7	
64 1,1,2-Trichloroethane	97	8.548	8.548	0.000	90	1248973	75.0	72.0	
61 Tetrachloroethene	166	8.646	8.650	-0.004	92	1826012	75.0	78.7	
67 2-Hexanone	43	8.766	8.770	-0.004	98	1902552	75.0	95.7	
65 Chlorodibromomethane	127	8.960	8.961	-0.001	90	1644324	75.0	81.5	
66 Ethylene Dibromide	107	9.095	9.099	-0.004	98	1889682	75.0	81.0	
* 68 Chlorobenzene-d5 (IS)	117	9.605	9.606	-0.001	85	520879	10.0	10.0	
69 Chlorobenzene	112	9.639	9.639	0.000	94	2785417	75.0	72.8	
71 1,1,1,2-Tetrachloroethane	131	9.733	9.737	-0.004	96	1464913	75.0	77.2	
70 Ethylbenzene	91	9.740	9.741	-0.001	98	4672213	75.0	86.5	
72 m-Xylene & p-Xylene	91	9.886	9.890	-0.004	98	3683726	75.0	92.6	
73 o-Xylene	91	10.329	10.329	0.000	97	3616631	75.0	95.1	
74 Styrene	104	10.351	10.355	-0.004	94	2669935	75.0	103.3	
75 Bromoform	173	10.565	10.565	0.000	94	1833086	75.0	88.5	
76 Isopropylbenzene	105	10.756	10.753	0.003	96	4934776	75.0	97.7	
79 1,1,2,2-Tetrachloroethane	83	11.120	11.120	0.000	95	2607016	75.0	75.6	
78 Bromobenzene	156	11.135	11.135	0.000	95	1499559	75.0	79.2	
83 1,2,3-Trichloropropane	110	11.191	11.191	0.000	85	722633	75.0	73.6	
77 N-Propylbenzene	120	11.243	11.244	-0.001	99	1425960	75.0	93.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
81 2-Chlorotoluene	126	11.352	11.352	0.000	97	1243597	75.0	87.2	
80 4-Ethyltoluene	105	11.386	11.382	0.004	97	4991401	75.0	94.5	
82 1,3,5-Trimethylbenzene	105	11.450	11.454	-0.004	95	4179733	75.0	94.4	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	92	1938008	75.0	110.9	
85 tert-Butylbenzene	119	11.794	11.795	-0.001	92	3928778	75.0	97.4	
86 1,2,4-Trimethylbenzene	105	11.858	11.859	-0.001	98	4039491	75.0	99.5	
87 sec-Butylbenzene	105	12.027	12.027	0.000	95	5787440	75.0	94.9	
89 1,3-Dichlorobenzene	146	12.151	12.151	0.000	96	2489435	75.0	78.1	
88 4-Isopropyltoluene	119	12.184	12.185	-0.001	96	4736582	75.0	100.6	
90 1,4-Dichlorobenzene	146	12.256	12.256	0.000	93	2509464	75.0	80.0	
92 Benzyl chloride	126	12.368	12.368	0.000	99	663344	75.0	107.3	
91 n-Butylbenzene	92	12.585	12.586	-0.001	98	2358411	75.0	101.7	
94 1,2-Dichlorobenzene	146	12.604	12.608	-0.004	96	2288701	75.0	76.4	
93 Hexachloroethane	117	12.859	12.859	0.000	94	1140593	75.0	77.0	
95 1,2-Dibromo-3-Chloropropane	157	13.320	13.321	-0.001	83	1050897	75.0	83.2	
97 1,2,4-Trichlorobenzene	180	14.002	14.003	-0.001	94	1427880	65.3	70.9	
96 Hexachlorobutadiene	225	14.115	14.112	0.003	93	1060821	75.0	68.6	
98 Naphthalene	128	14.216	14.220	-0.004	97	3791451	75.0	95.5	
S 100 1,2-Dichloroethene, Total	61				0	2792768	150.0	159.2	
S 109 1,3-Dichloropropene, Total	75				0		150.0	175.8	
S 101 Xylenes, Total	91				0	7300357	150.0	187.7	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRCAL50.0_00116	Amount Added: 300.00	Units: ml	
AIRIS200 ppb_00245	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 23-Oct-2023 13:45:29 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Injection Date: 19-Oct-2023 17:54:23 Instrument ID: HP8R004

Lims ID: IC CAL75 ppb

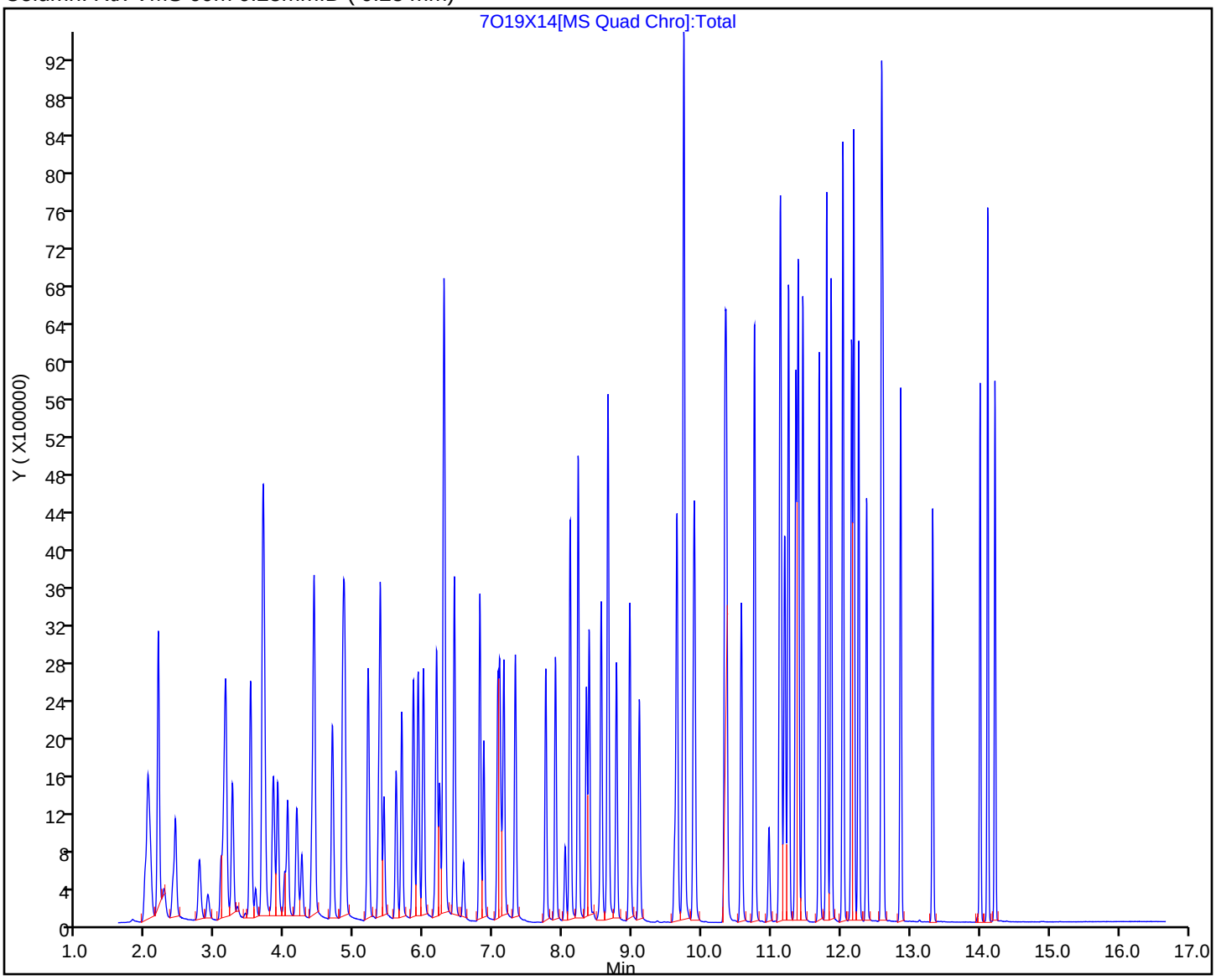
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 10

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

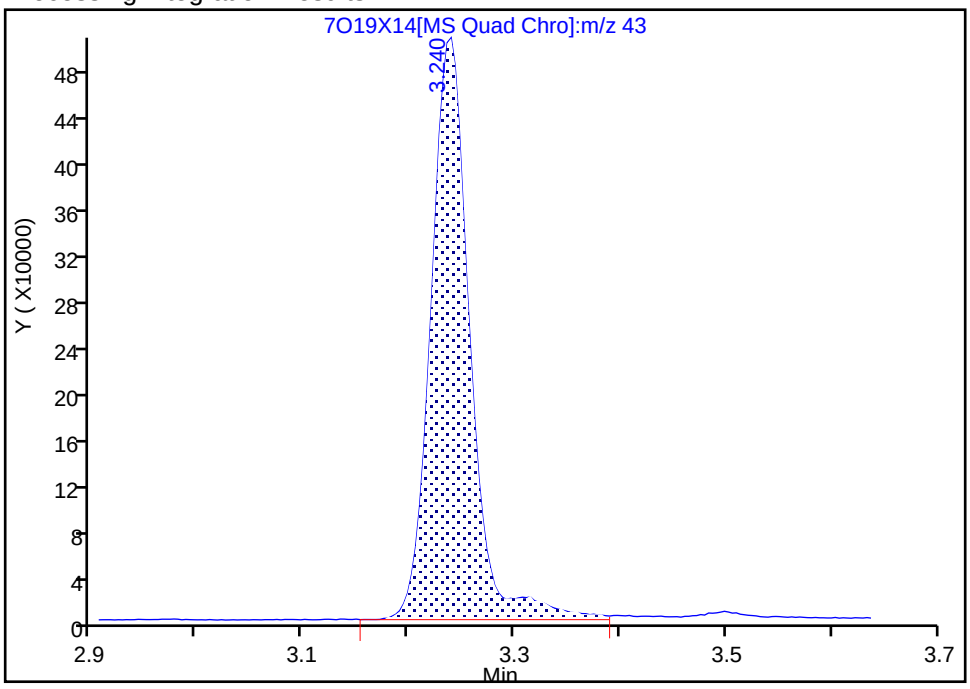
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Injection Date:	19-Oct-2023 17:54:23	Instrument ID:	HP8R004		
Lims ID:	IC CAL75 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

11 Pentane, CAS: 109-66-0

Signal: 1

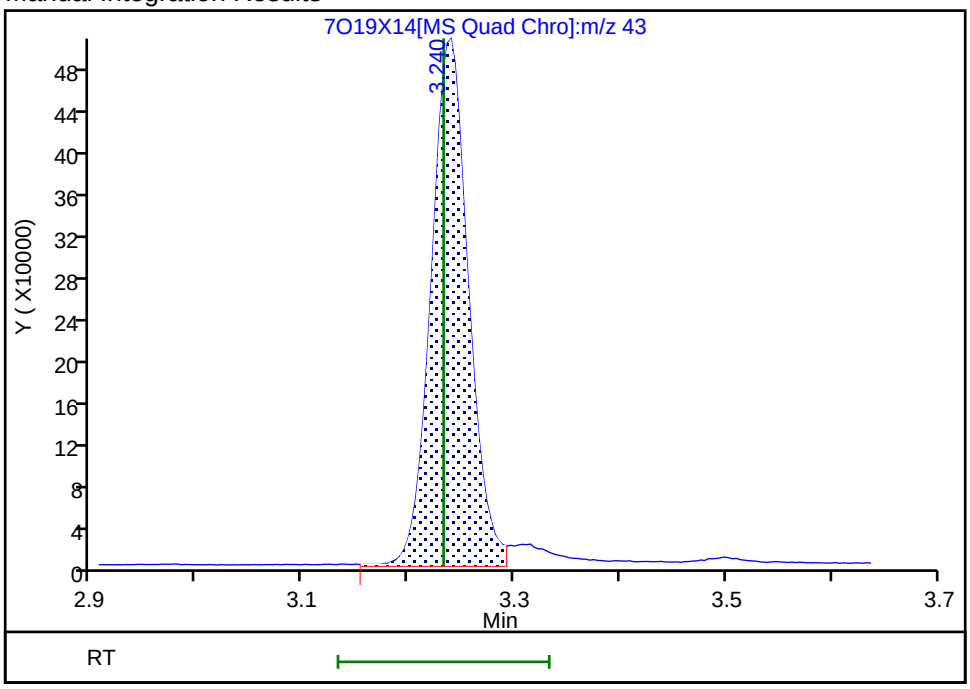
Processing Integration Results

RT: 3.24
Area: 1300673
Amount: 78.459884
Amount Units: ppb v/v



Manual Integration Results

RT: 3.24
Area: 1234343
Amount: 74.958564
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 09:15:53 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

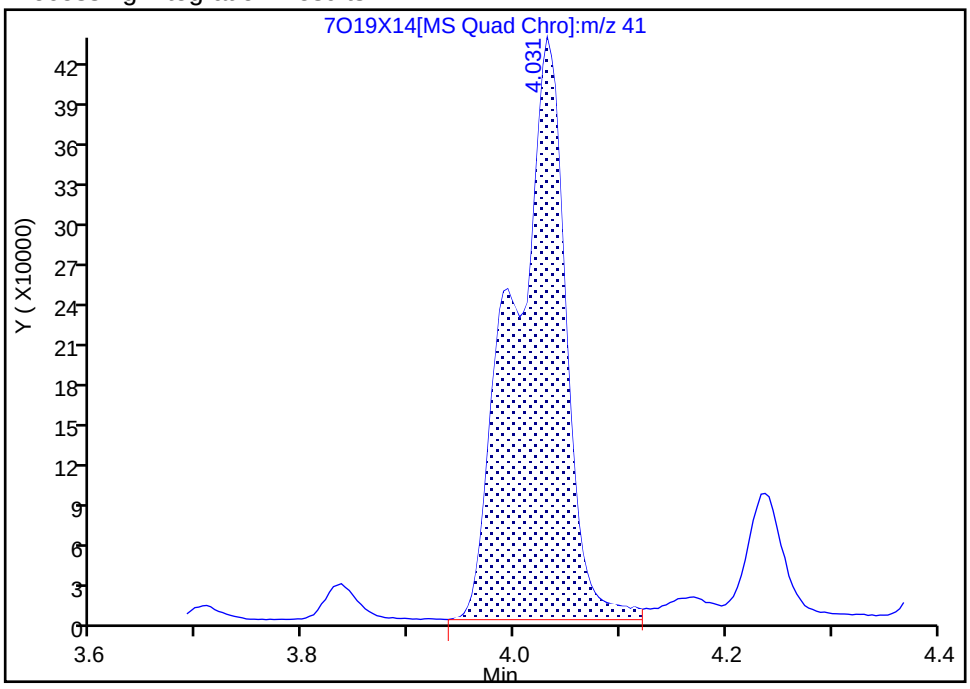
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D				
Injection Date:	19-Oct-2023 17:54:23	Instrument ID:	HP8R004		
Lims ID:	IC CAL75 ppb				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

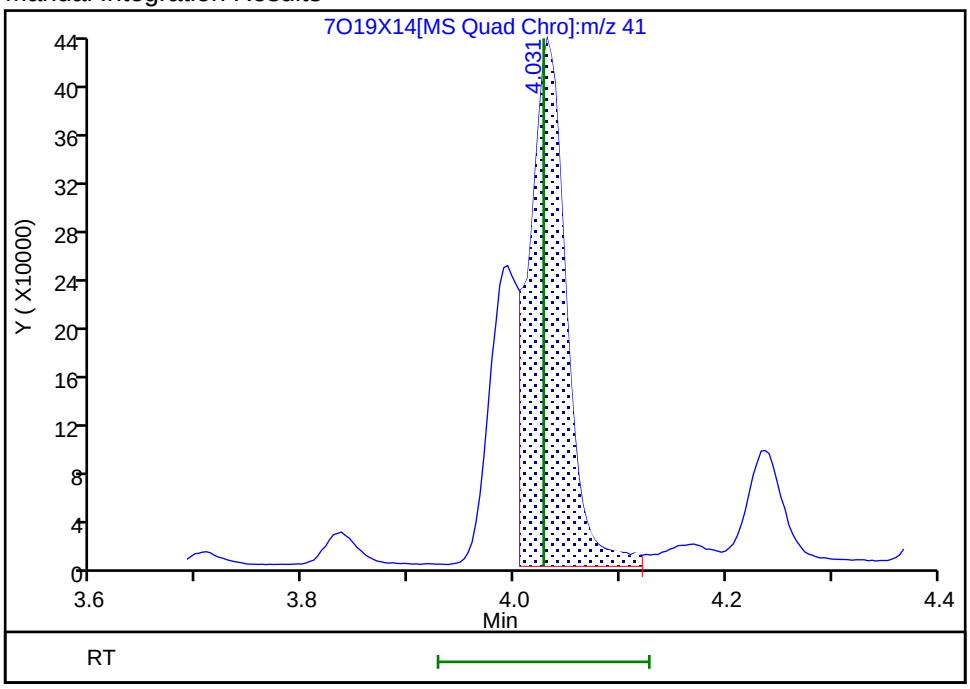
Processing Integration Results

RT: 4.03
Area: 1504098
Amount: 115.7874
Amount Units: ppb v/v



Manual Integration Results

RT: 4.03
Area: 1047034
Amount: 85.623178
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 08:02:00 -04:00:00 (UTC)

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

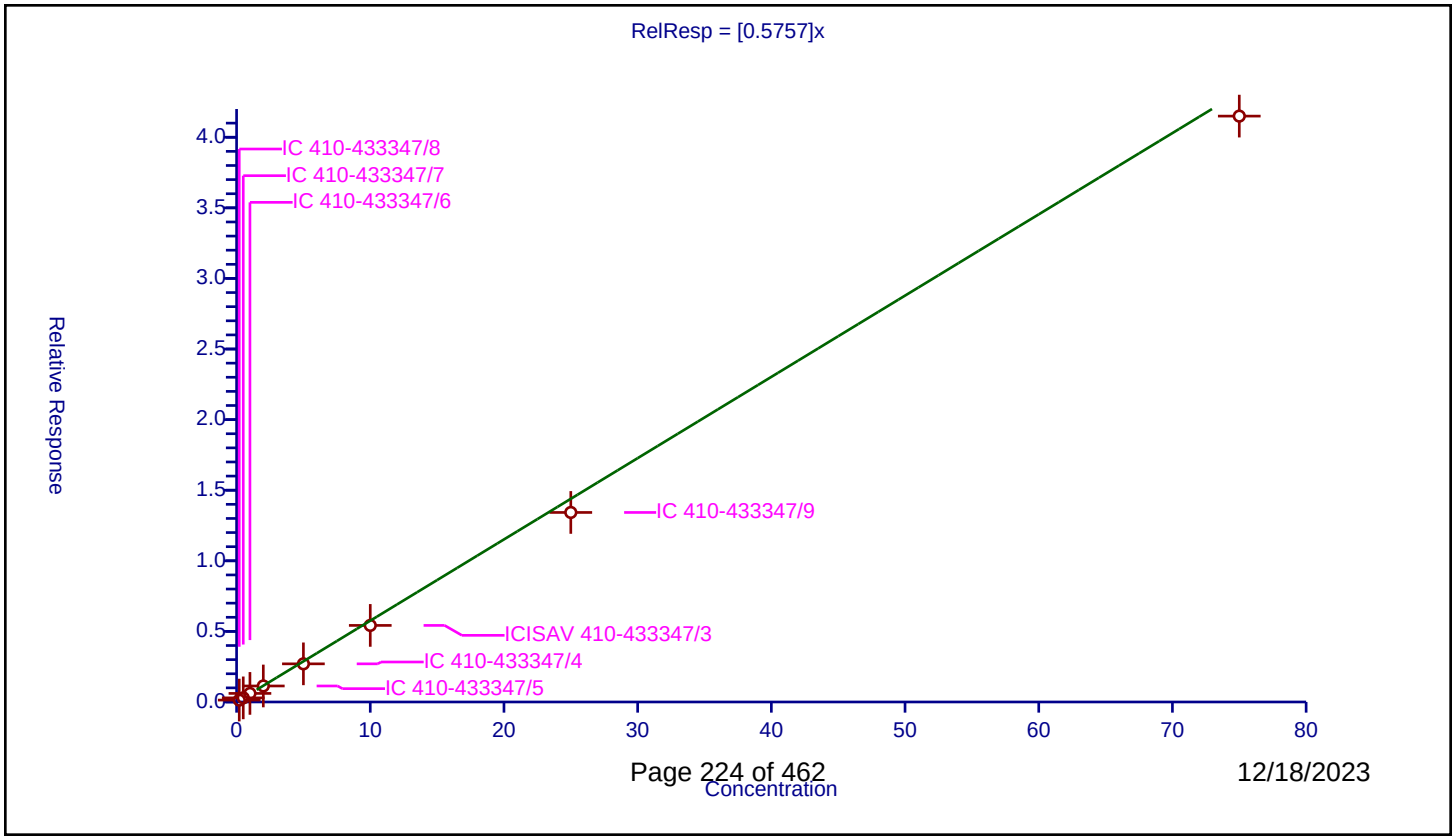
Curve Coefficients

Intercept:	0
Slope:	0.5757

Error Coefficients

Standard Error:	218000
Relative Standard Error:	8.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.134614	10.0	100658.0	0.673071	Y
2	IC 410-433347/7	0.5	0.292717	10.0	111917.0	0.585434	Y
3	IC 410-433347/6	1.0	0.606286	10.0	102262.0	0.606286	Y
4	IC 410-433347/5	2.0	1.134805	10.0	110812.0	0.567402	Y
5	IC 410-433347/4	5.0	2.701914	10.0	126440.0	0.540383	Y
6	ICISAV 410-433347/3	10.0	5.42409	10.0	126117.0	0.542409	Y
7	IC 410-433347/9	25.0	13.425203	10.0	119590.0	0.537008	Y
8	IC 410-433347/10	75.0	41.498135	10.0	132418.0	0.553308	Y



Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

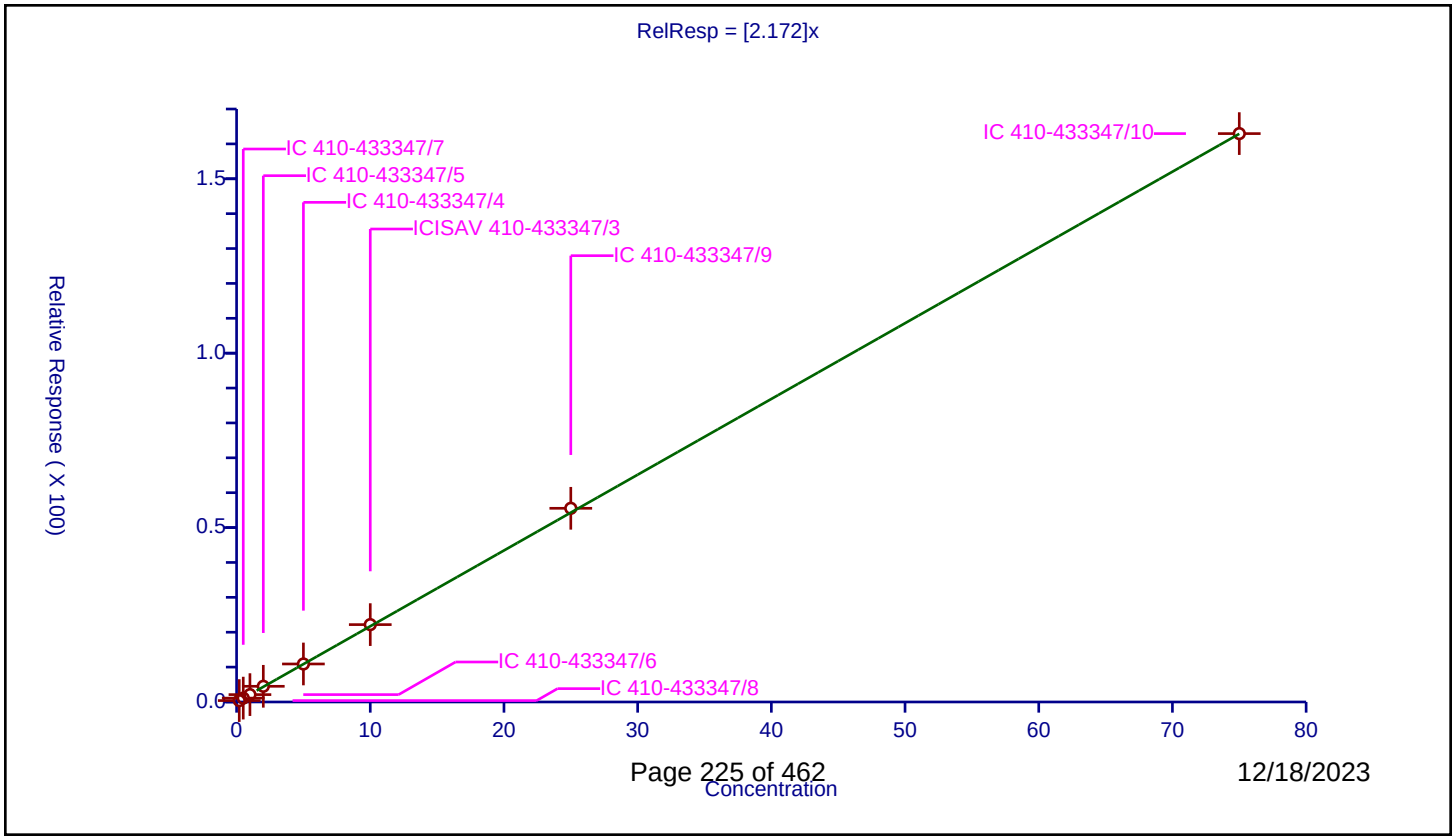
Curve Coefficients

Intercept:	0
Slope:	2.172

Error Coefficients

Standard Error:	862000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.400564	10.0	100658.0	2.002821	Y
2	IC 410-433347/7	0.5	1.108589	10.0	111917.0	2.217179	Y
3	IC 410-433347/6	1.0	2.112906	10.0	102262.0	2.112906	Y
4	IC 410-433347/5	2.0	4.500686	10.0	110812.0	2.250343	Y
5	IC 410-433347/4	5.0	10.896235	10.0	126440.0	2.179247	Y
6	ICISAV 410-433347/3	10.0	22.181466	10.0	126117.0	2.218147	Y
7	IC 410-433347/9	25.0	55.527552	10.0	119590.0	2.221102	Y
8	IC 410-433347/10	75.0	162.95413	10.0	132418.0	2.172722	Y



Calibration / Chlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

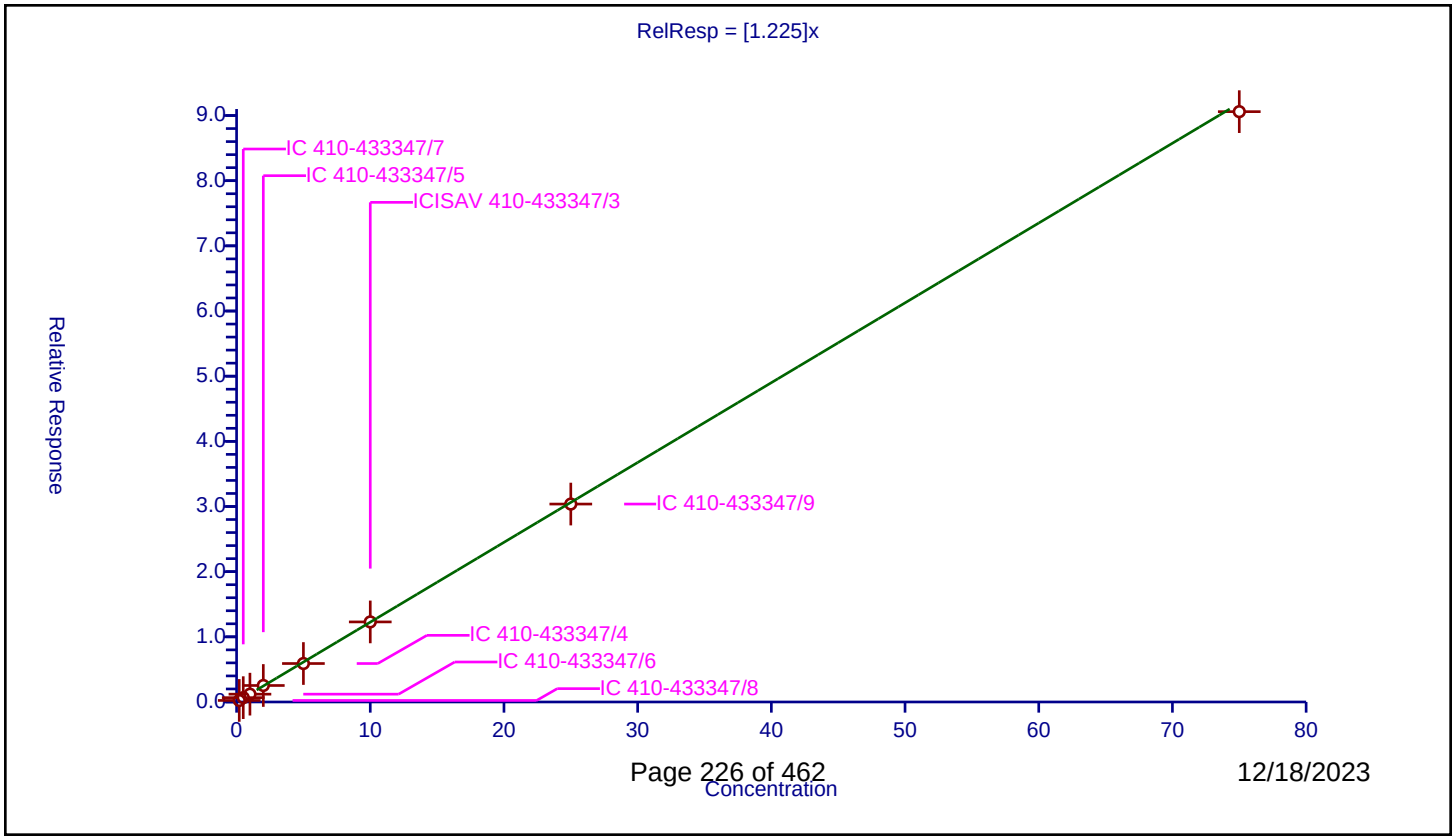
Curve Coefficients

Intercept:	0
Slope:	1.225

Error Coefficients

Standard Error:	478000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.234358	10.0	100658.0	1.17179	Y
2	IC 410-433347/7	0.5	0.663349	10.0	111917.0	1.326697	Y
3	IC 410-433347/6	1.0	1.202402	10.0	102262.0	1.202402	Y
4	IC 410-433347/5	2.0	2.533029	10.0	110812.0	1.266514	Y
5	IC 410-433347/4	5.0	5.90454	10.0	126440.0	1.180908	Y
6	ICISAV 410-433347/3	10.0	12.288034	10.0	126117.0	1.228803	Y
7	IC 410-433347/9	25.0	30.377122	10.0	119590.0	1.215085	Y
8	IC 410-433347/10	75.0	90.593499	10.0	132418.0	1.207913	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

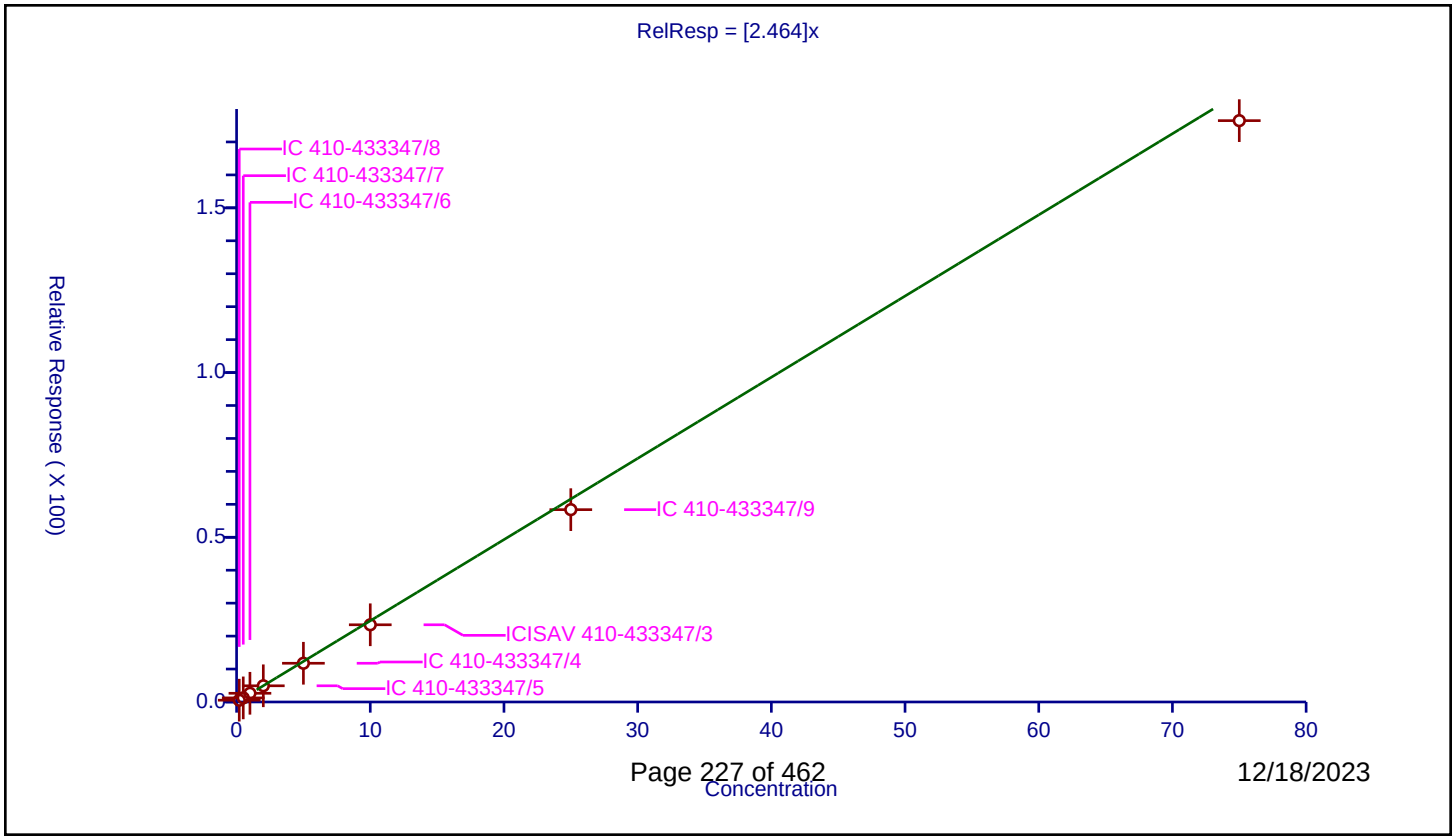
Curve Coefficients

Intercept:	0
Slope:	2.464

Error Coefficients

Standard Error:	930000
Relative Standard Error:	6.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.548491	10.0	100658.0	2.742455	Y
2	IC 410-433347/7	0.5	1.245477	10.0	111917.0	2.490953	Y
3	IC 410-433347/6	1.0	2.639984	10.0	102262.0	2.639984	Y
4	IC 410-433347/5	2.0	4.915442	10.0	110812.0	2.457721	Y
5	IC 410-433347/4	5.0	11.757909	10.0	126440.0	2.351582	Y
6	ICISAV 410-433347/3	10.0	23.437284	10.0	126117.0	2.343728	Y
7	IC 410-433347/9	25.0	58.386905	10.0	119590.0	2.335476	Y
8	IC 410-433347/10	75.0	176.468305	10.0	132418.0	2.352911	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

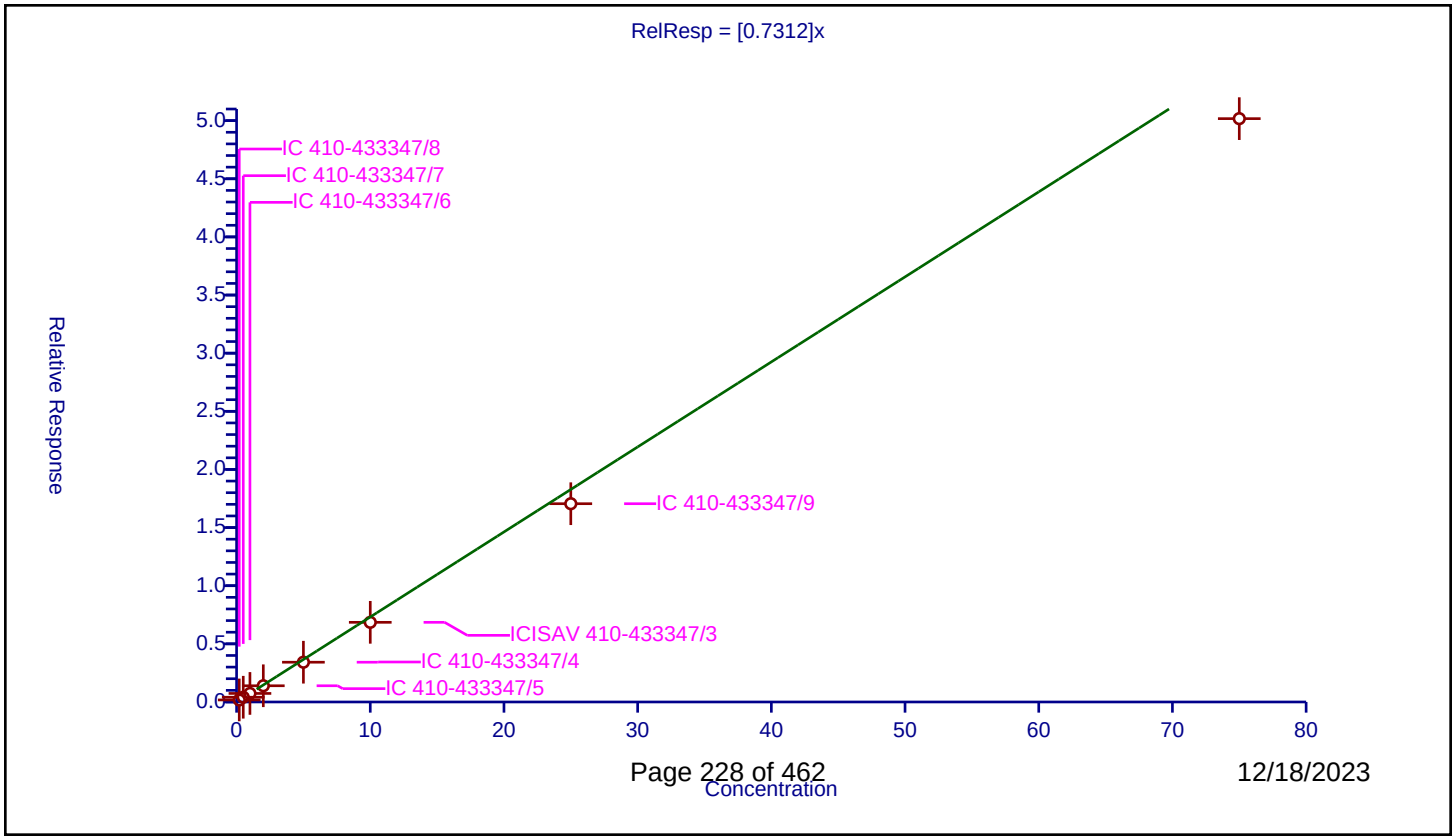
Curve Coefficients

Intercept:	0
Slope:	0.7312

Error Coefficients

Standard Error:	265000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.175247	10.0	100658.0	0.876234	Y
2	IC 410-433347/7	0.5	0.409768	10.0	111917.0	0.819536	Y
3	IC 410-433347/6	1.0	0.736148	10.0	102262.0	0.736148	Y
4	IC 410-433347/5	2.0	1.394705	10.0	110812.0	0.697352	Y
5	IC 410-433347/4	5.0	3.421227	10.0	126440.0	0.684245	Y
6	ICISAV 410-433347/3	10.0	6.851416	10.0	126117.0	0.685142	Y
7	IC 410-433347/9	25.0	17.053433	10.0	119590.0	0.682137	Y
8	IC 410-433347/10	75.0	50.172711	10.0	132418.0	0.668969	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

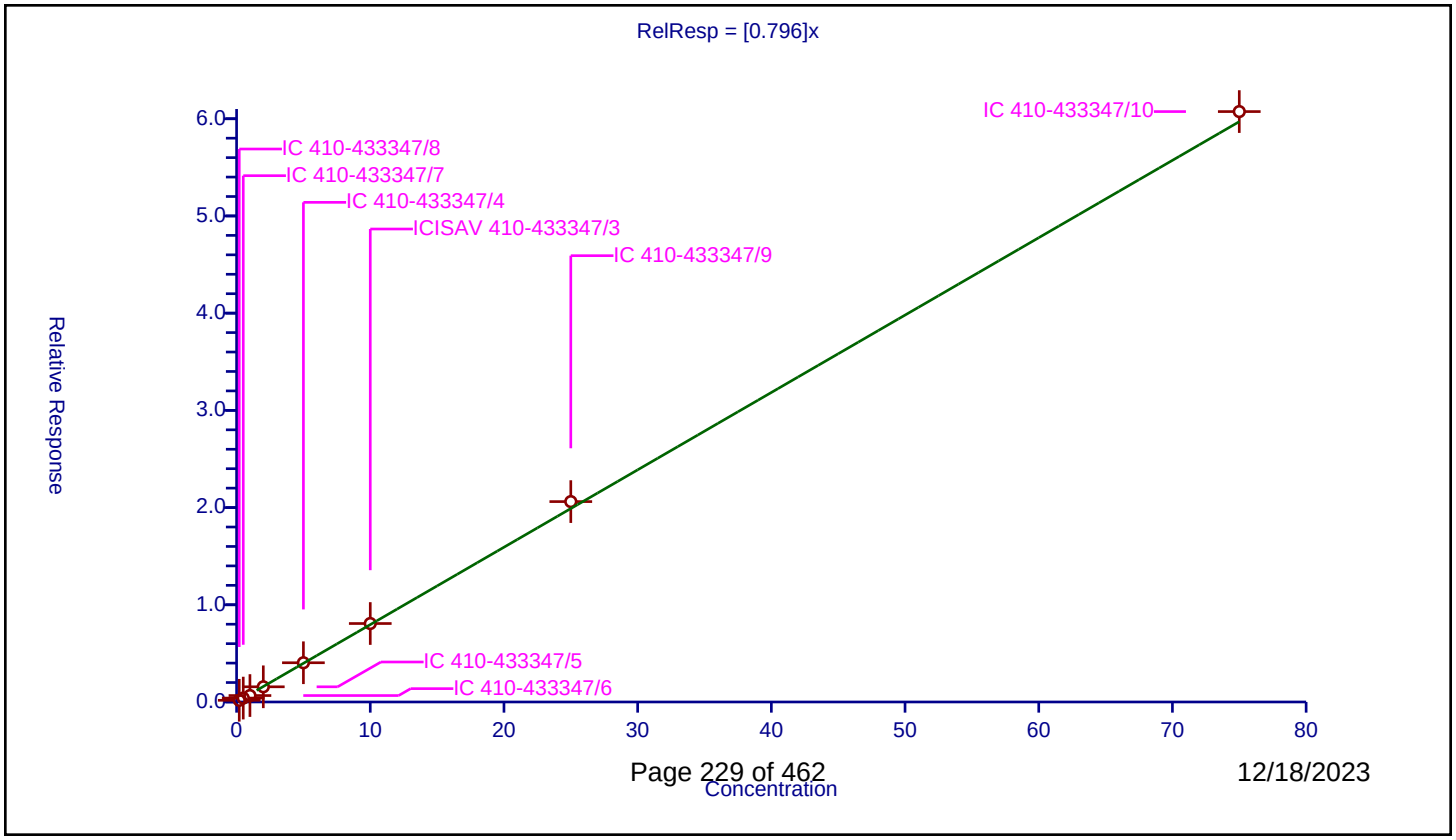
Curve Coefficients

Intercept:	0
Slope:	0.796

Error Coefficients

Standard Error:	321000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.173856	10.0	100658.0	0.86928	Y
2	IC 410-433347/7	0.5	0.403067	10.0	111917.0	0.806133	Y
3	IC 410-433347/6	1.0	0.663101	10.0	102262.0	0.663101	Y
4	IC 410-433347/5	2.0	1.561654	10.0	110812.0	0.780827	Y
5	IC 410-433347/4	5.0	4.035432	10.0	126440.0	0.807086	Y
6	ICISAV 410-433347/3	10.0	8.072504	10.0	126117.0	0.80725	Y
7	IC 410-433347/9	25.0	20.613346	10.0	119590.0	0.824534	Y
8	IC 410-433347/10	75.0	60.736531	10.0	132418.0	0.80982	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

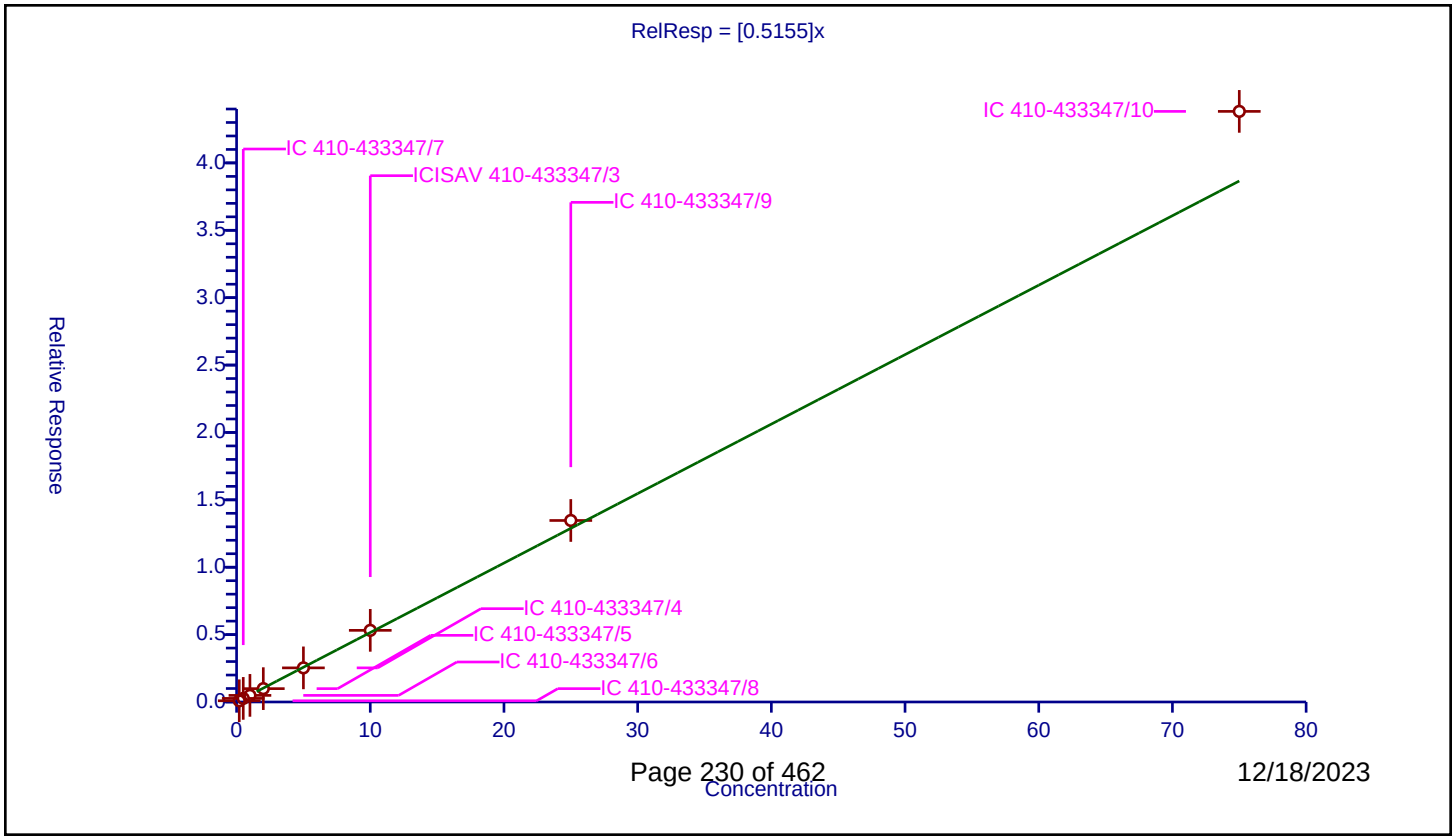
Curve Coefficients

Intercept:	0
Slope:	0.5155

Error Coefficients

Standard Error:	229000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.089312	10.0	100658.0	0.446562	Y
2	IC 410-433347/7	0.5	0.265286	10.0	111917.0	0.530572	Y
3	IC 410-433347/6	1.0	0.4907	10.0	102262.0	0.4907	Y
4	IC 410-433347/5	2.0	0.989694	10.0	110812.0	0.494847	Y
5	IC 410-433347/4	5.0	2.532268	10.0	126440.0	0.506454	Y
6	ICISAV 410-433347/3	10.0	5.315461	10.0	126117.0	0.531546	Y
7	IC 410-433347/9	25.0	13.468936	10.0	119590.0	0.538757	Y
8	IC 410-433347/10	75.0	43.824707	10.0	132418.0	0.584329	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

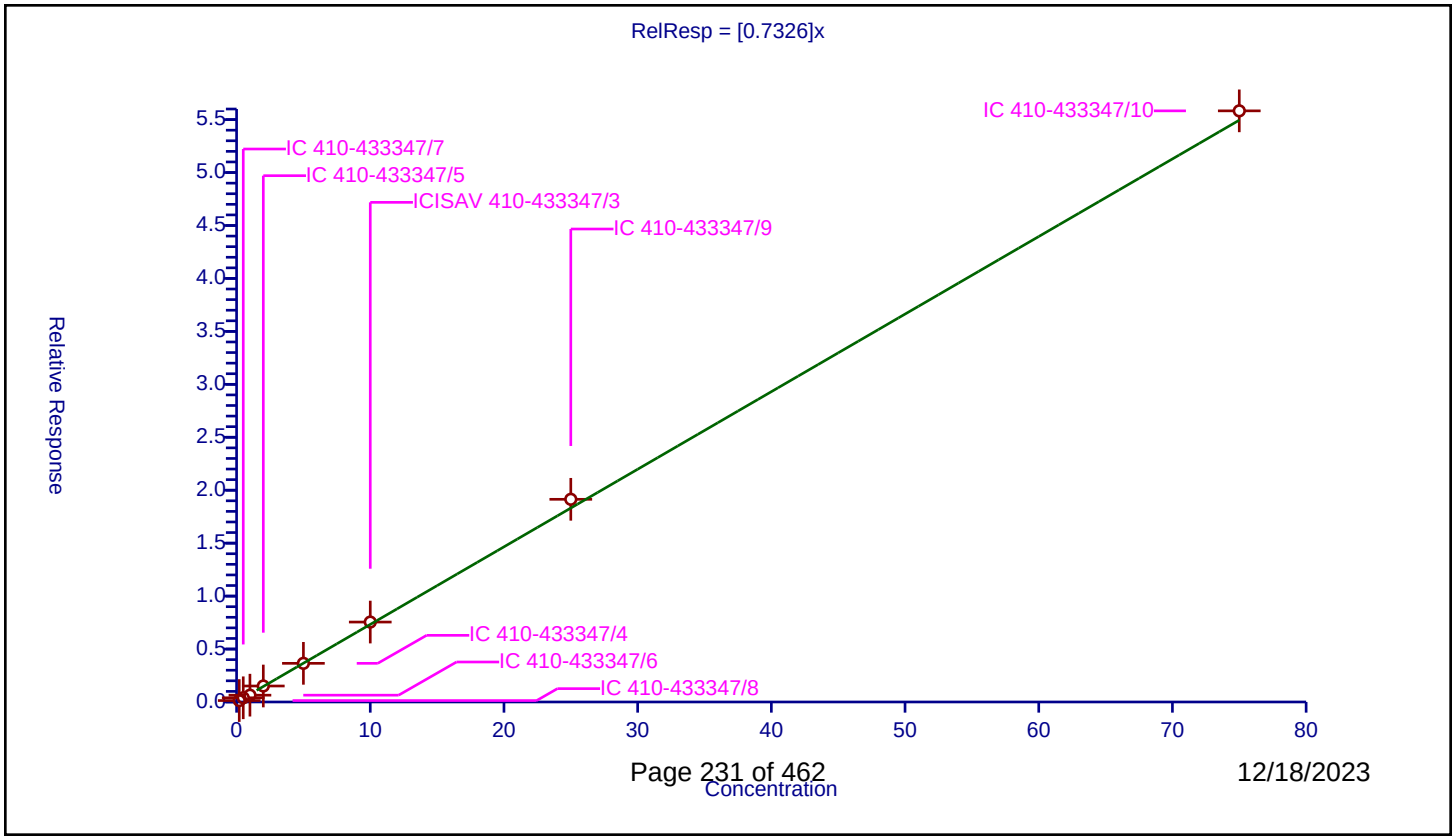
Curve Coefficients

Intercept:	0
Slope:	0.7326

Error Coefficients

Standard Error:	295000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.13521	10.0	100658.0	0.676052	Y
2	IC 410-433347/7	0.5	0.395918	10.0	111917.0	0.791837	Y
3	IC 410-433347/6	1.0	0.642565	10.0	102262.0	0.642565	Y
4	IC 410-433347/5	2.0	1.510757	10.0	110812.0	0.755378	Y
5	IC 410-433347/4	5.0	3.651613	10.0	126440.0	0.730323	Y
6	ICISAV 410-433347/3	10.0	7.548388	10.0	126117.0	0.754839	Y
7	IC 410-433347/9	25.0	19.142152	10.0	119590.0	0.765686	Y
8	IC 410-433347/10	75.0	55.82738	10.0	132418.0	0.744365	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

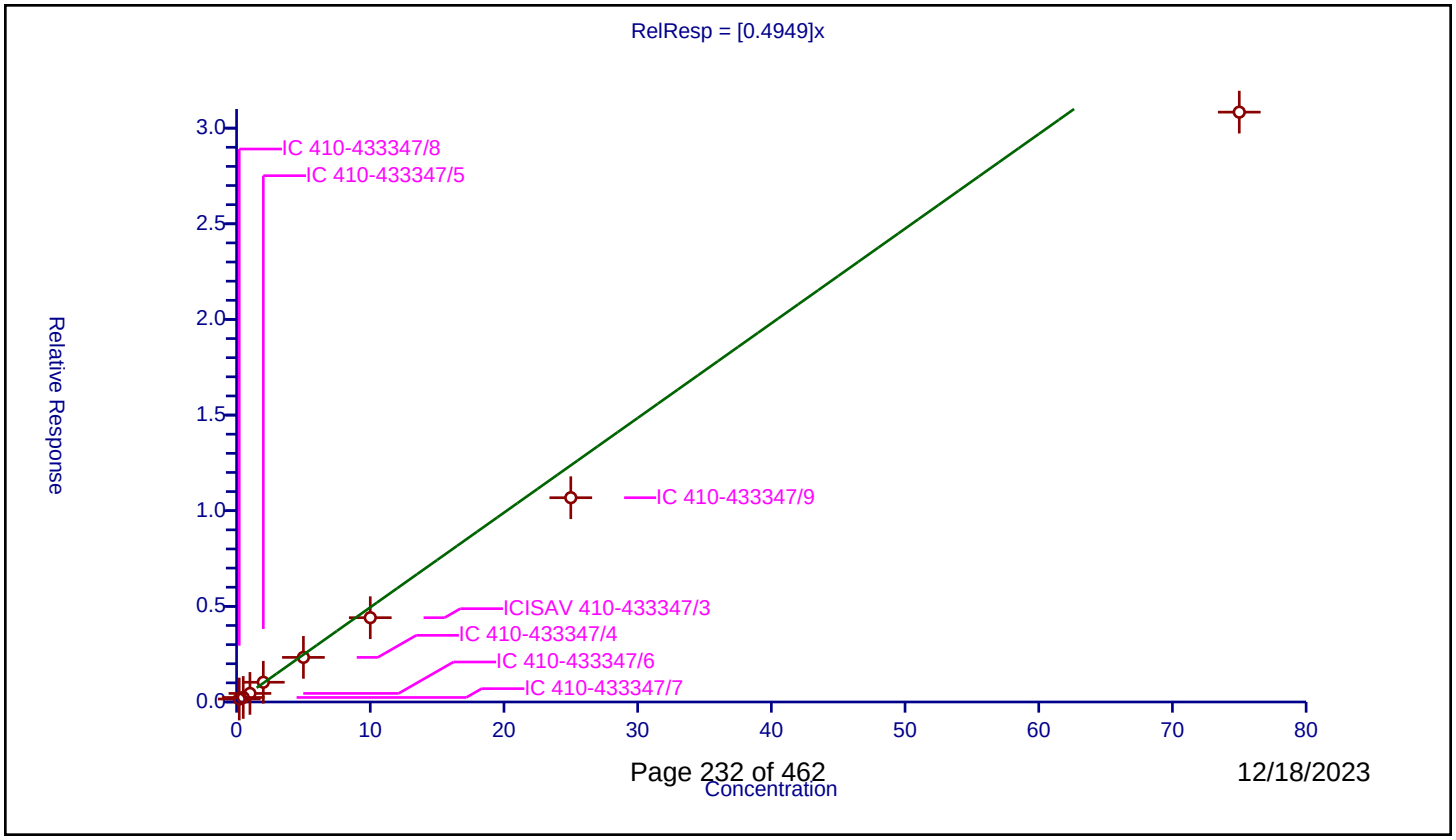
Curve Coefficients

Intercept:	0
Slope:	0.4949

Error Coefficients

Standard Error:	164000
Relative Standard Error:	23.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.902

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.15508	10.0	100658.0	0.775398	Y
2	IC 410-433347/7	0.5	0.236872	10.0	111917.0	0.473744	Y
3	IC 410-433347/6	1.0	0.448065	10.0	102262.0	0.448065	Y
4	IC 410-433347/5	2.0	1.032289	10.0	110812.0	0.516144	Y
5	IC 410-433347/4	5.0	2.331857	10.0	126440.0	0.466371	Y
6	ICISAV 410-433347/3	10.0	4.407733	10.0	126117.0	0.440773	Y
7	IC 410-433347/9	25.0	10.679739	10.0	119590.0	0.42719	Y
8	IC 410-433347/10	75.0	30.837122	10.0	132418.0	0.411162	Y



Calibration / Vinyl bromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

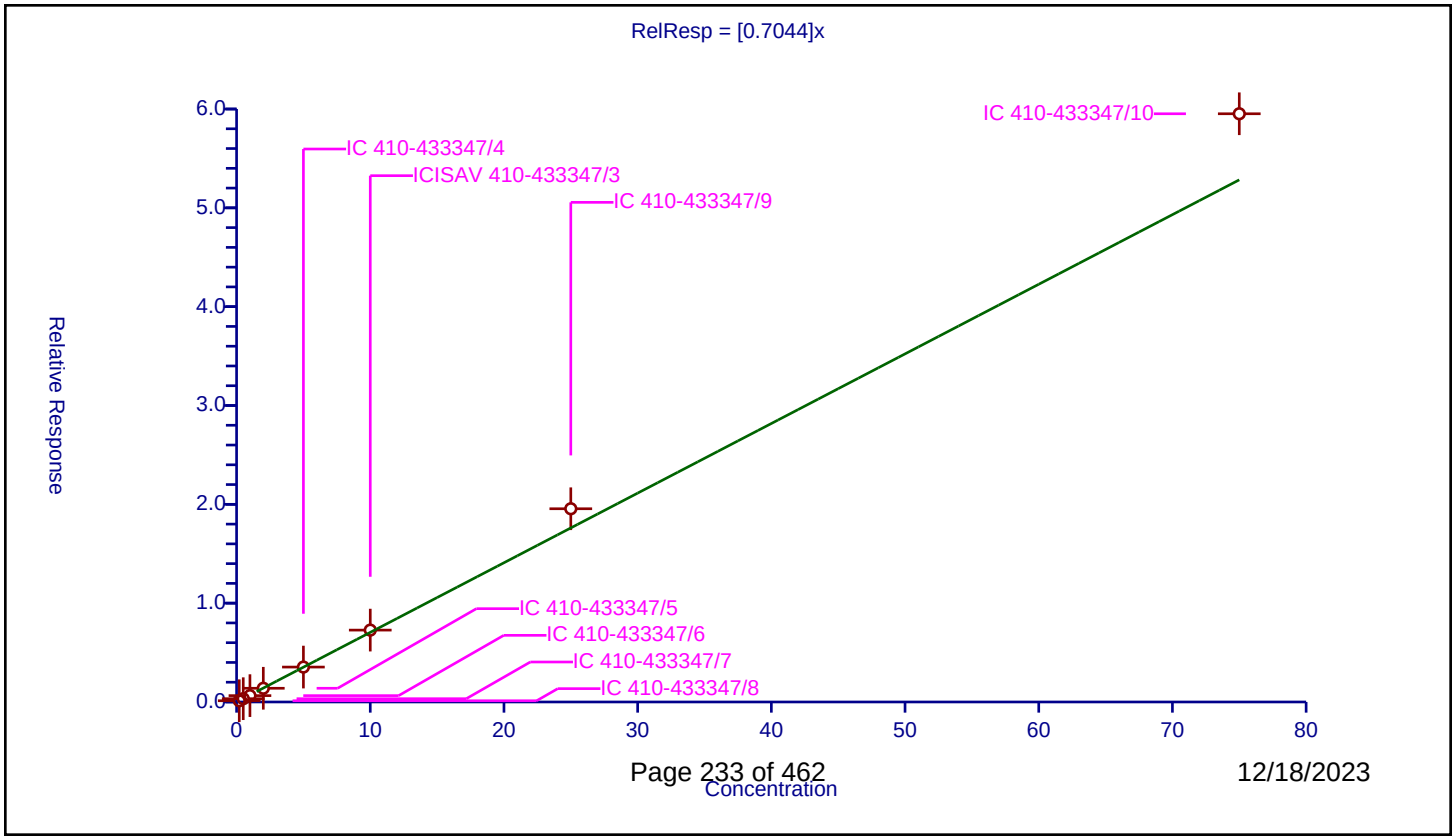
Curve Coefficients

Intercept:	0
Slope:	0.7044

Error Coefficients

Standard Error:	313000
Relative Standard Error:	8.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.12458	10.0	100658.0	0.622901	Y
2	IC 410-433347/7	0.5	0.332925	10.0	111917.0	0.665851	Y
3	IC 410-433347/6	1.0	0.642272	10.0	102262.0	0.642272	Y
4	IC 410-433347/5	2.0	1.38938	10.0	110812.0	0.69469	Y
5	IC 410-433347/4	5.0	3.533059	10.0	126440.0	0.706612	Y
6	ICISAV 410-433347/3	10.0	7.273405	10.0	126117.0	0.72734	Y
7	IC 410-433347/9	25.0	19.55406	10.0	119590.0	0.782162	Y
8	IC 410-433347/10	75.0	59.520458	10.0	132418.0	0.793606	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

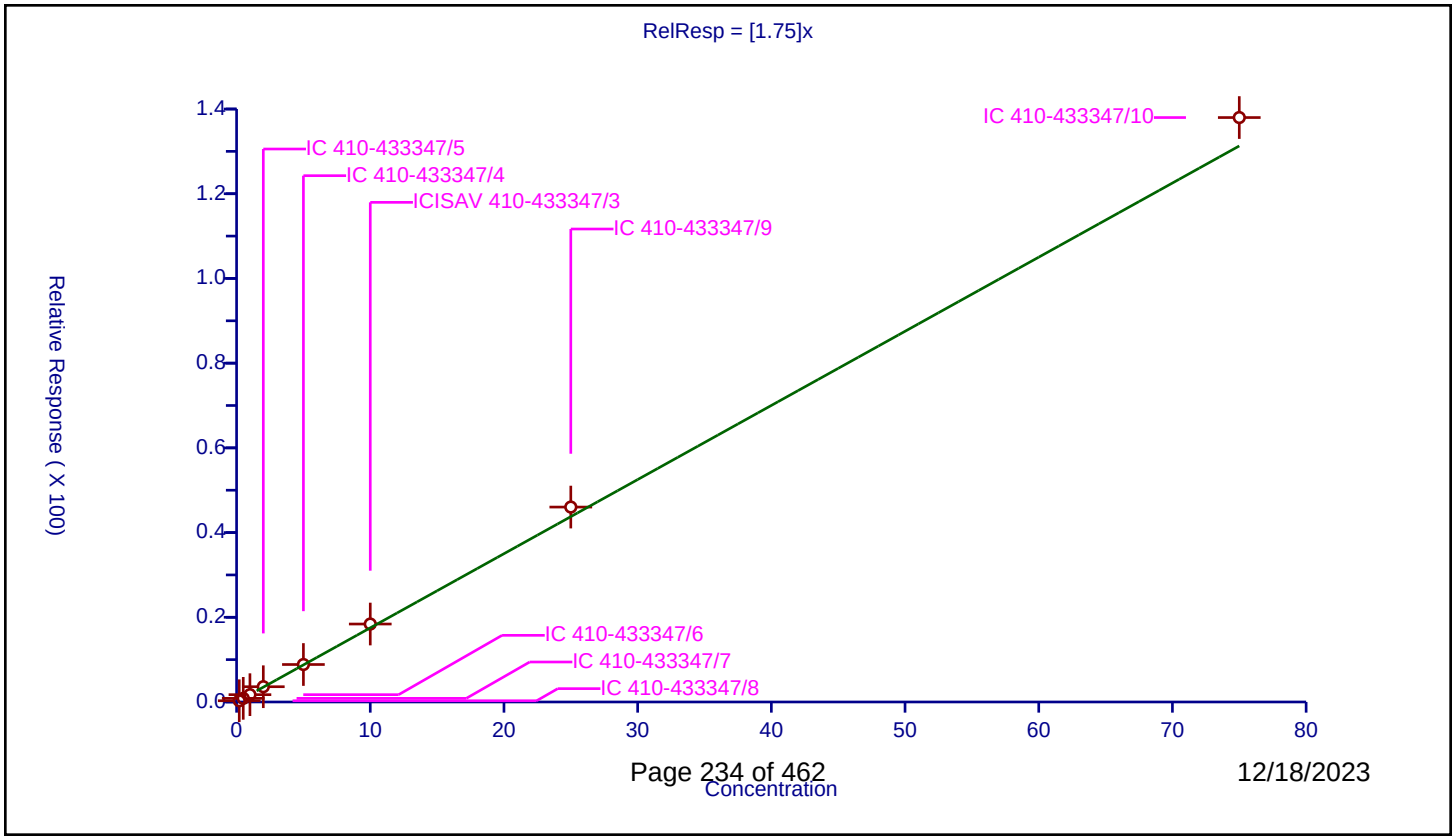
Curve Coefficients

Intercept:	0
Slope:	1.75

Error Coefficients

Standard Error:	728000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.291581	10.0	100658.0	1.457907	Y
2	IC 410-433347/7	0.5	0.861442	10.0	111917.0	1.722884	Y
3	IC 410-433347/6	1.0	1.728795	10.0	102262.0	1.728795	Y
4	IC 410-433347/5	2.0	3.605386	10.0	110812.0	1.802693	Y
5	IC 410-433347/4	5.0	8.846172	10.0	126440.0	1.769234	Y
6	ICISAV 410-433347/3	10.0	18.40751	10.0	126117.0	1.840751	Y
7	IC 410-433347/9	25.0	46.021574	10.0	119590.0	1.840863	Y
8	IC 410-433347/10	75.0	137.98396	10.0	132418.0	1.839786	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

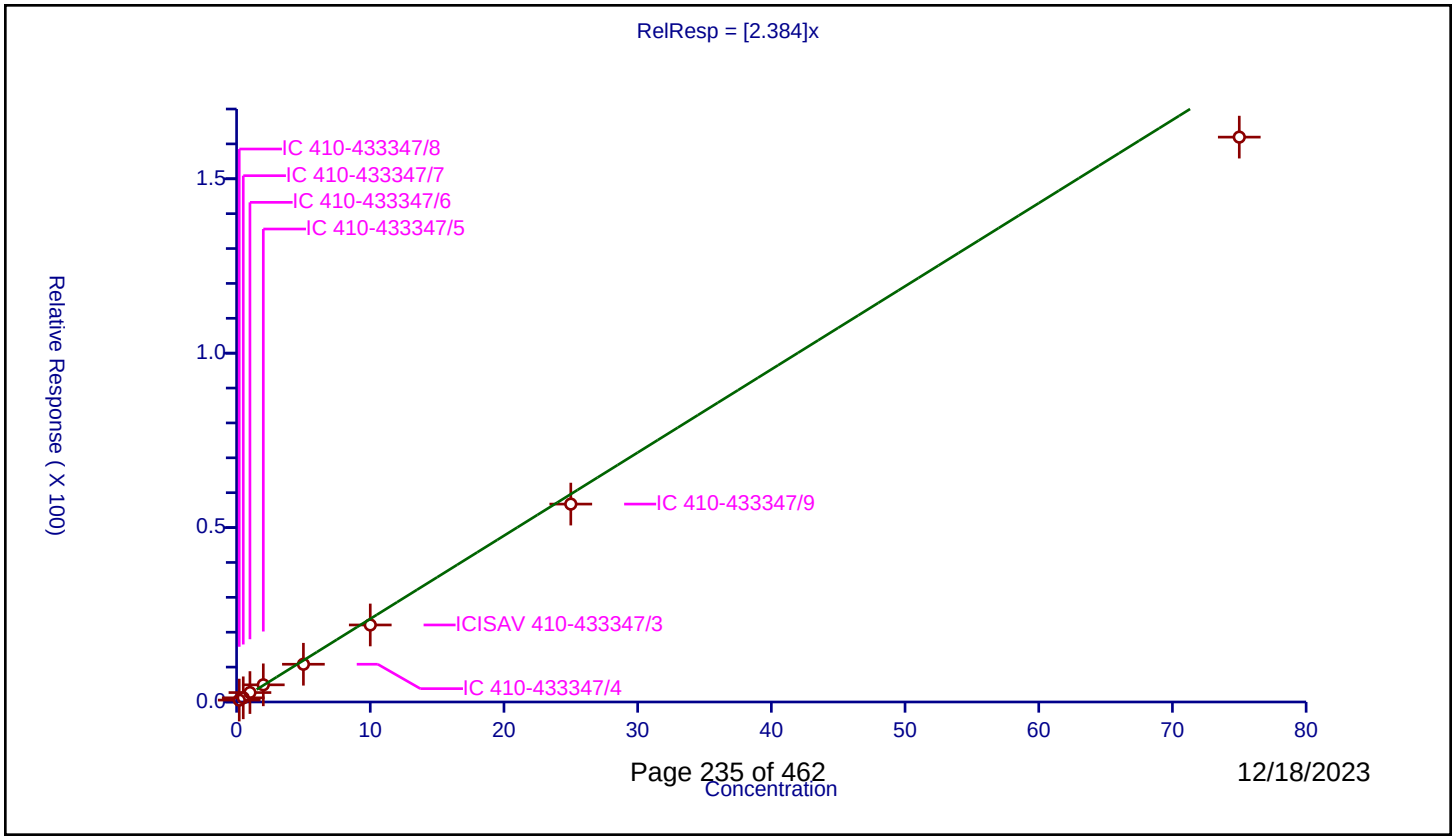
Curve Coefficients

Intercept:	0
Slope:	2.384

Error Coefficients

Standard Error:	858000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.544219	10.0	100658.0	2.721095	Y
2	IC 410-433347/7	0.5	1.192759	10.0	111917.0	2.385518	Y
3	IC 410-433347/6	1.0	2.701688	10.0	102262.0	2.701688	Y
4	IC 410-433347/5	2.0	4.917337	10.0	110812.0	2.458669	Y
5	IC 410-433347/4	5.0	10.822683	10.0	126440.0	2.164537	Y
6	ICISAV 410-433347/3	10.0	22.083383	10.0	126117.0	2.208338	Y
7	IC 410-433347/9	25.0	56.740112	10.0	119590.0	2.269604	Y
8	IC 410-433347/10	75.0	161.941881	10.0	132418.0	2.159225	Y



Calibration / Pentane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

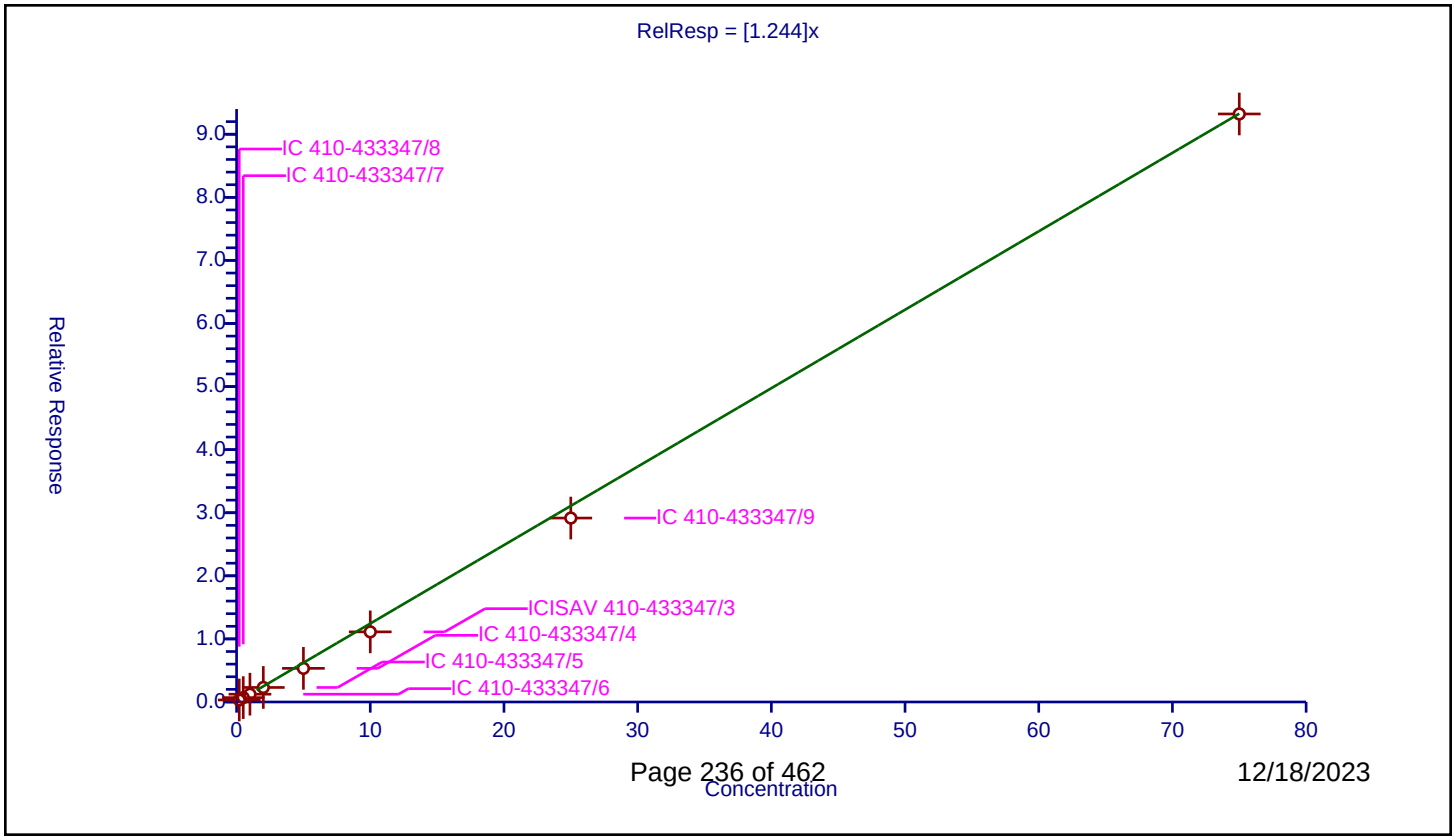
Curve Coefficients

Intercept:	0
Slope:	1.244

Error Coefficients

Standard Error:	488000
Relative Standard Error:	13.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.318405	10.0	100658.0	1.592024	Y
2	IC 410-433347/7	0.5	0.692299	10.0	111917.0	1.384598	Y
3	IC 410-433347/6	1.0	1.234672	10.0	102262.0	1.234672	Y
4	IC 410-433347/5	2.0	2.300653	10.0	110812.0	1.150327	Y
5	IC 410-433347/4	5.0	5.330592	10.0	126440.0	1.066118	Y
6	ICISAV 410-433347/3	10.0	11.115869	10.0	126117.0	1.111587	Y
7	IC 410-433347/9	25.0	29.157455	10.0	119590.0	1.166298	Y
8	IC 410-433347/10	75.0	93.21565	10.0	132418.0	1.242875	Y



Calibration / Ethanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

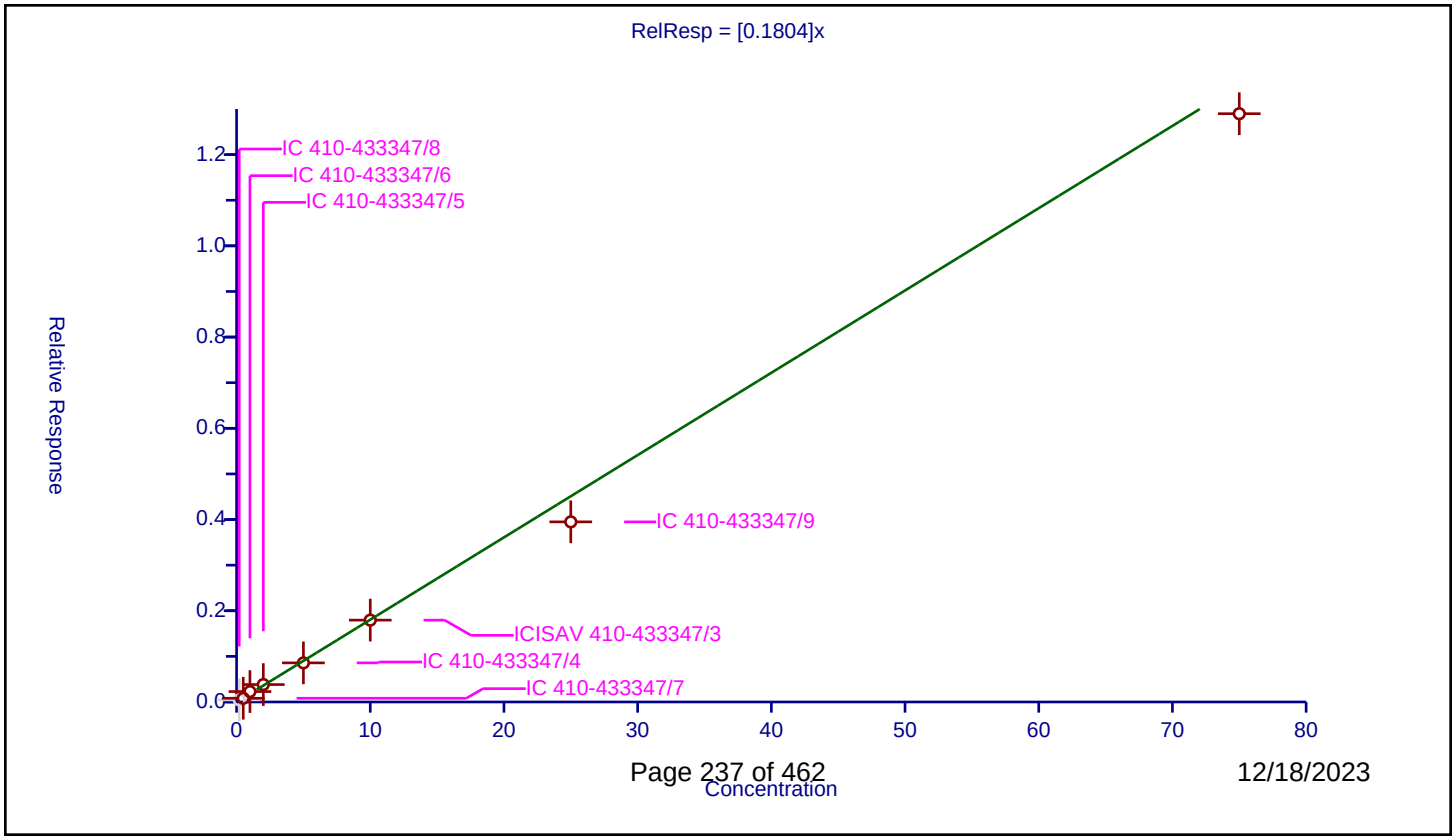
Curve Coefficients

Intercept:	0
Slope:	0.1804

Error Coefficients

Standard Error:	73100
Relative Standard Error:	13.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.045699	10.0	100658.0	0.228496	N
2	IC 410-433347/7	0.5	0.0814	10.0	111917.0	0.162799	Y
3	IC 410-433347/6	1.0	0.228237	10.0	102262.0	0.228237	Y
4	IC 410-433347/5	2.0	0.382269	10.0	110812.0	0.191135	Y
5	IC 410-433347/4	5.0	0.857324	10.0	126440.0	0.171465	Y
6	ICISAV 410-433347/3	10.0	1.794286	10.0	126117.0	0.179429	Y
7	IC 410-433347/9	25.0	3.948742	10.0	119590.0	0.15795	Y
8	IC 410-433347/10	75.0	12.897114	10.0	132418.0	0.171962	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

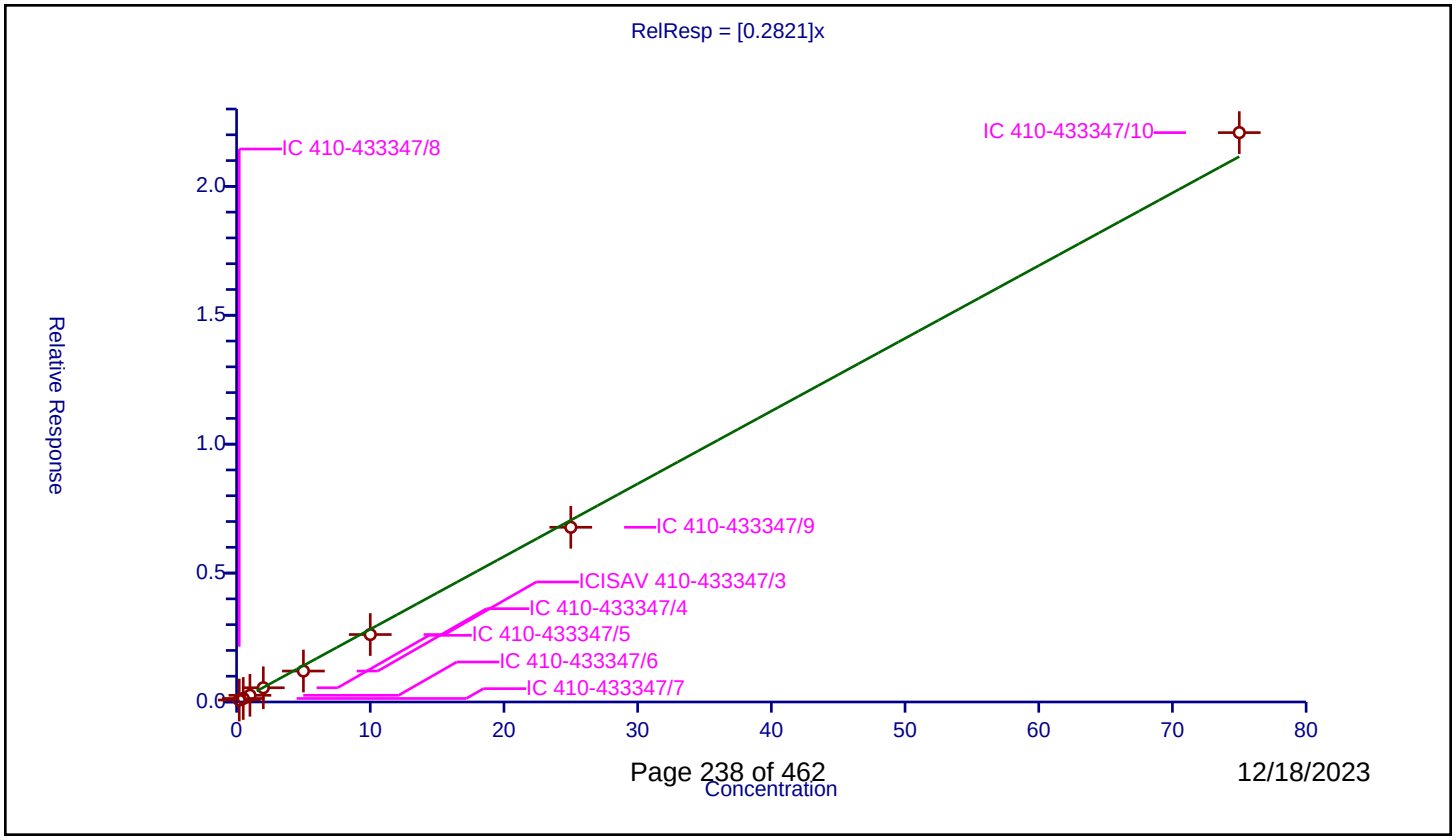
Curve Coefficients

Intercept:	0
Slope:	0.2821

Error Coefficients

Standard Error:	116000
Relative Standard Error:	15.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.076497	10.0	100658.0	0.382483	Y
2	IC 410-433347/7	0.5	0.135994	10.0	111917.0	0.271987	Y
3	IC 410-433347/6	1.0	0.259138	10.0	102262.0	0.259138	Y
4	IC 410-433347/5	2.0	0.551294	10.0	110812.0	0.275647	Y
5	IC 410-433347/4	5.0	1.200411	10.0	126440.0	0.240082	Y
6	ICISAV 410-433347/3	10.0	2.616459	10.0	126117.0	0.261646	Y
7	IC 410-433347/9	25.0	6.776821	10.0	119590.0	0.271073	Y
8	IC 410-433347/10	75.0	22.08446	10.0	132418.0	0.294459	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

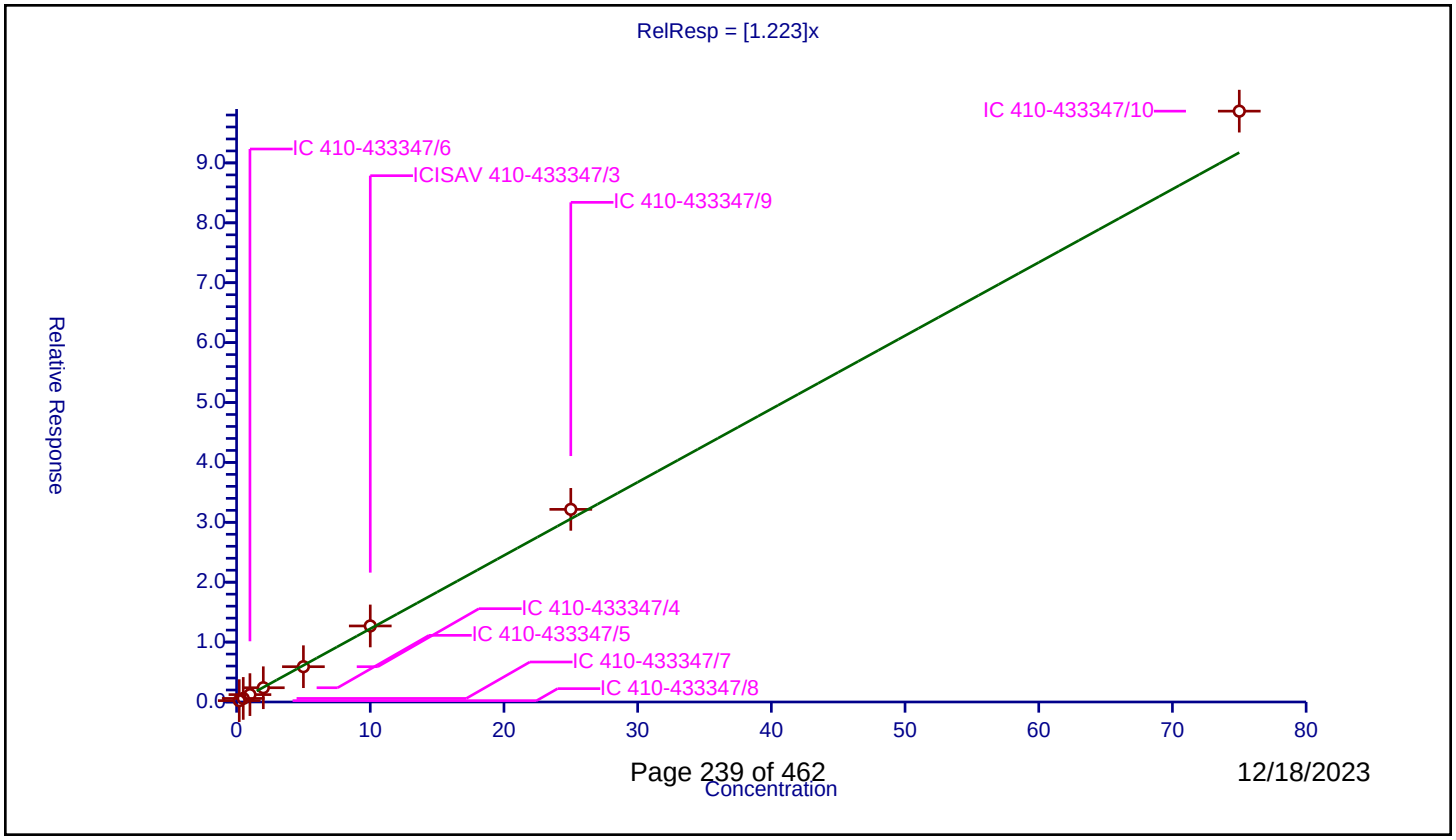
Curve Coefficients

Intercept:	0
Slope:	1.223

Error Coefficients

Standard Error:	519000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.225317	10.0	100658.0	1.126587	Y
2	IC 410-433347/7	0.5	0.594905	10.0	111917.0	1.18981	Y
3	IC 410-433347/6	1.0	1.229685	10.0	102262.0	1.229685	Y
4	IC 410-433347/5	2.0	2.377992	10.0	110812.0	1.188996	Y
5	IC 410-433347/4	5.0	5.892755	10.0	126440.0	1.178551	Y
6	ICISAV 410-433347/3	10.0	12.693689	10.0	126117.0	1.269369	Y
7	IC 410-433347/9	25.0	32.160632	10.0	119590.0	1.286425	Y
8	IC 410-433347/10	75.0	98.642707	10.0	132418.0	1.315236	Y



Calibration / 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

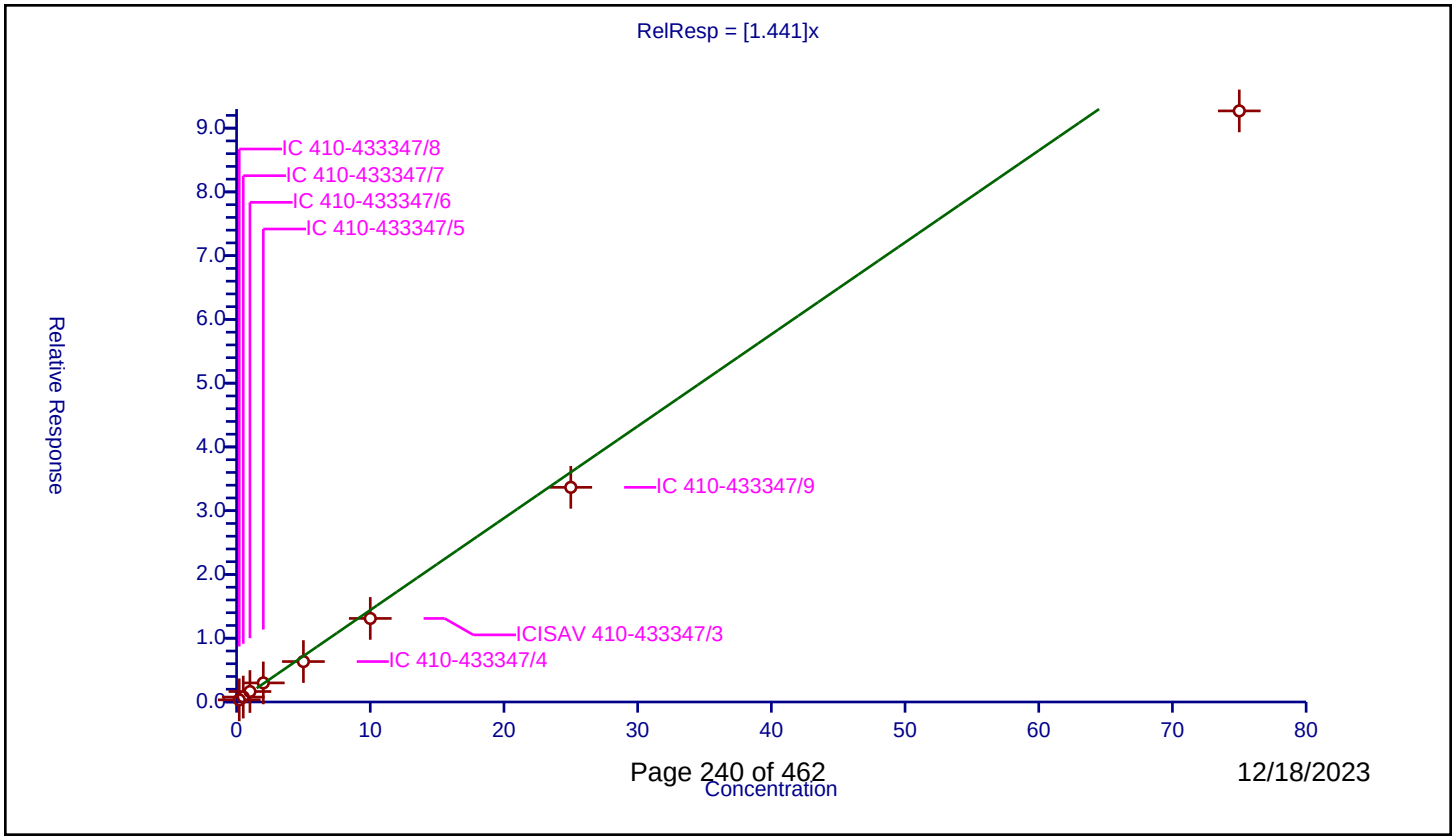
Curve Coefficients

Intercept:	0
Slope:	1.441

Error Coefficients

Standard Error:	493000
Relative Standard Error:	12.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.338274	10.0	100658.0	1.691371	Y
2	IC 410-433347/7	0.5	0.770214	10.0	111917.0	1.540427	Y
3	IC 410-433347/6	1.0	1.642546	10.0	102262.0	1.642546	Y
4	IC 410-433347/5	2.0	2.991463	10.0	110812.0	1.495732	Y
5	IC 410-433347/4	5.0	6.341506	10.0	126440.0	1.268301	Y
6	ICISAV 410-433347/3	10.0	13.104102	10.0	126117.0	1.31041	Y
7	IC 410-433347/9	25.0	33.667029	10.0	119590.0	1.346681	Y
8	IC 410-433347/10	75.0	92.701596	10.0	132418.0	1.236021	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

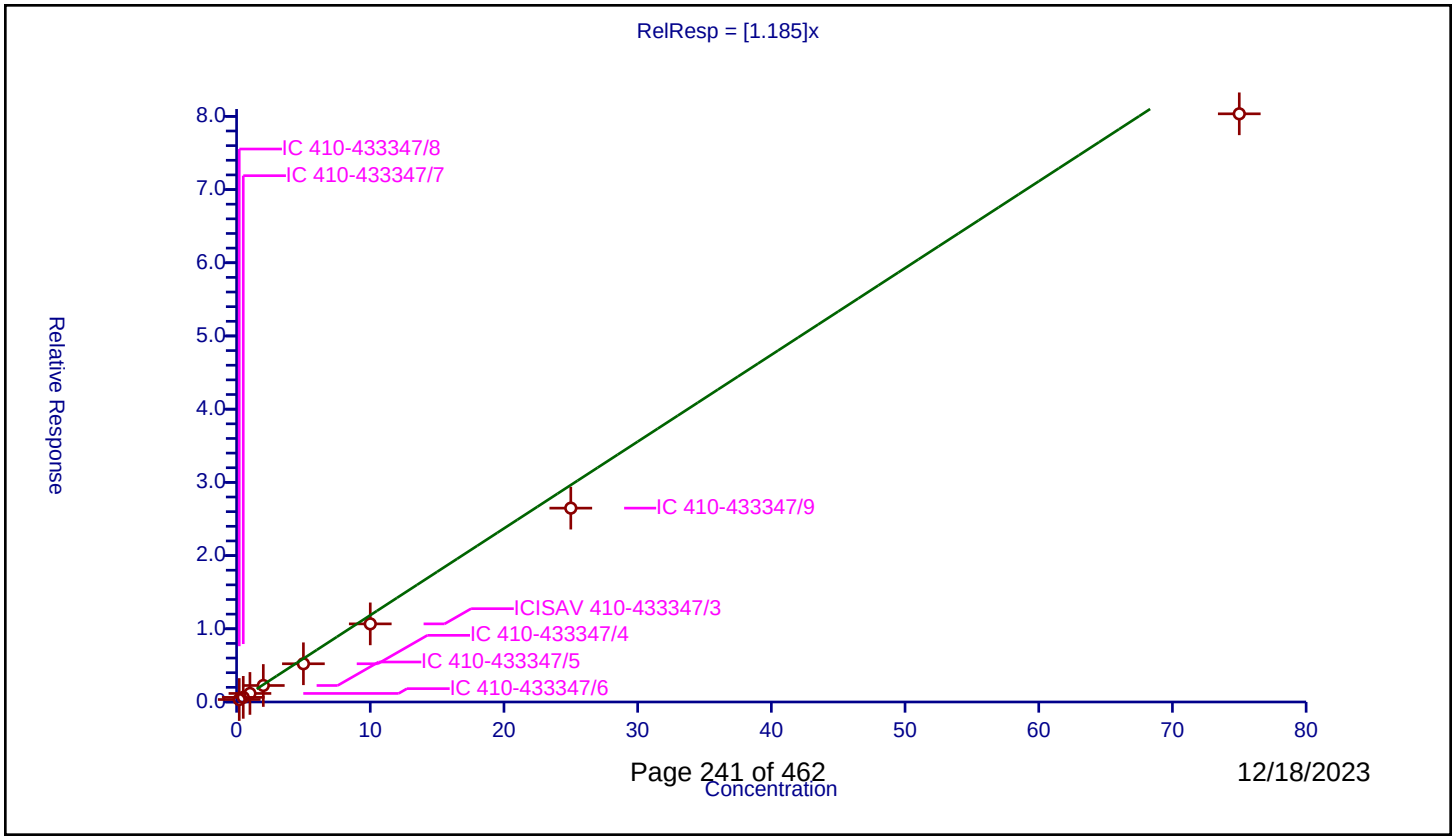
Curve Coefficients

Intercept:	0
Slope:	1.185

Error Coefficients

Standard Error:	423000
Relative Standard Error:	18.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.946

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.336287	10.0	100658.0	1.681436	Y
2	IC 410-433347/7	0.5	0.633505	10.0	111917.0	1.26701	Y
3	IC 410-433347/6	1.0	1.166807	10.0	102262.0	1.166807	Y
4	IC 410-433347/5	2.0	2.251832	10.0	110812.0	1.125916	Y
5	IC 410-433347/4	5.0	5.221607	10.0	126440.0	1.044321	Y
6	ICISAV 410-433347/3	10.0	10.671757	10.0	126117.0	1.067176	Y
7	IC 410-433347/9	25.0	26.47989	10.0	119590.0	1.059196	Y
8	IC 410-433347/10	75.0	80.344138	10.0	132418.0	1.071255	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

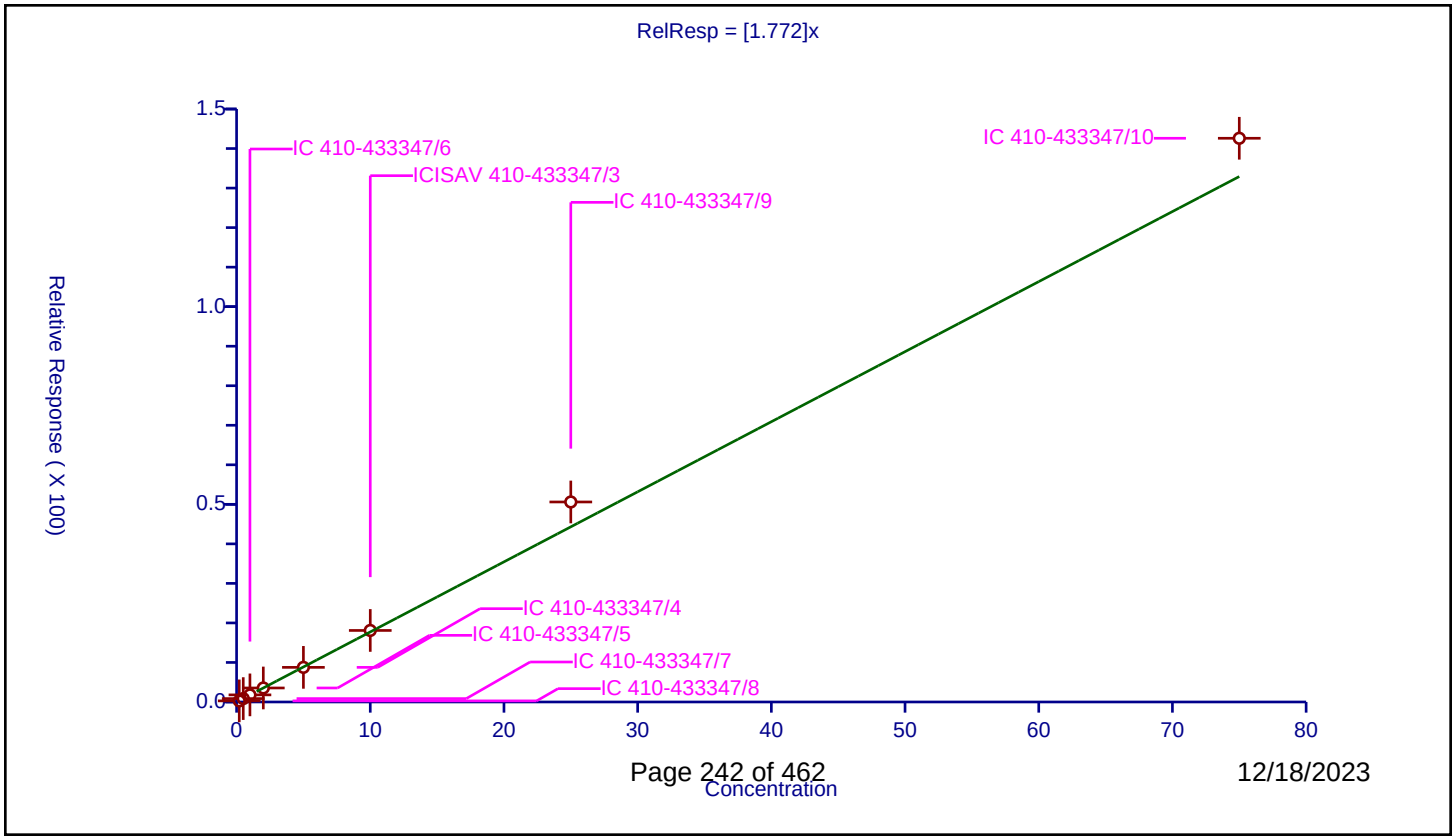
Curve Coefficients

Intercept:	0
Slope:	1.772

Error Coefficients

Standard Error:	756000
Relative Standard Error:	10.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.279859	10.0	100658.0	1.399293	Y
2	IC 410-433347/7	0.5	0.863229	10.0	111917.0	1.726458	Y
3	IC 410-433347/6	1.0	1.794802	10.0	102262.0	1.794802	Y
4	IC 410-433347/5	2.0	3.542306	10.0	110812.0	1.771153	Y
5	IC 410-433347/4	5.0	8.760835	10.0	126440.0	1.752167	Y
6	ICISAV 410-433347/3	10.0	18.092168	10.0	126117.0	1.809217	Y
7	IC 410-433347/9	25.0	50.594782	10.0	119590.0	2.023791	Y
8	IC 410-433347/10	75.0	142.601157	10.0	132418.0	1.901349	Y



Calibration / Isopropyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

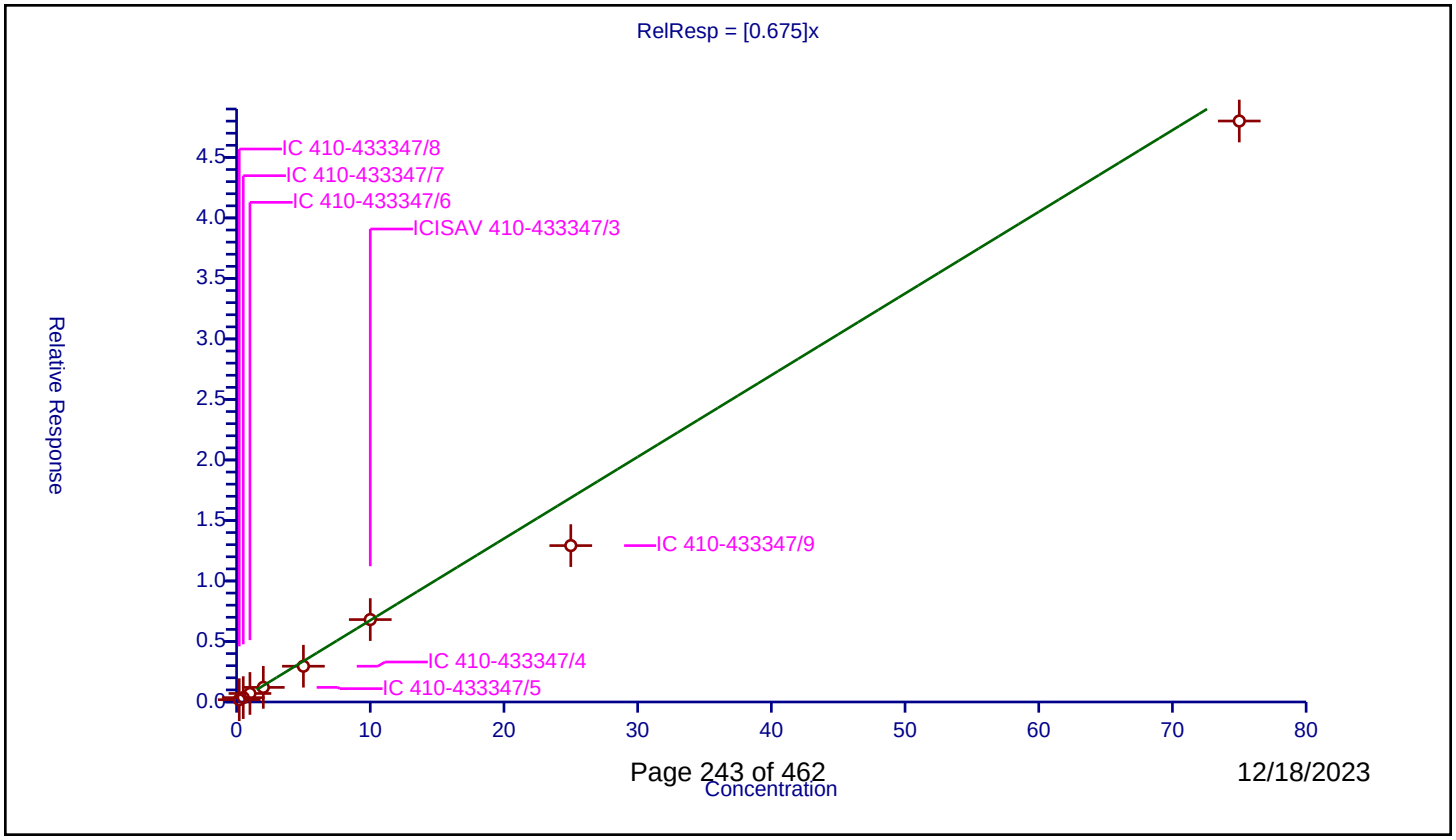
Curve Coefficients

Intercept:	0
Slope:	0.675

Error Coefficients

Standard Error:	250000
Relative Standard Error:	18.8
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.942

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.18846	10.0	100658.0	0.9423	Y
2	IC 410-433347/7	0.5	0.361071	10.0	111917.0	0.722142	Y
3	IC 410-433347/6	1.0	0.703389	10.0	102262.0	0.703389	Y
4	IC 410-433347/5	2.0	1.206187	10.0	110812.0	0.603094	Y
5	IC 410-433347/4	5.0	2.955868	10.0	126440.0	0.591174	Y
6	ICISAV 410-433347/3	10.0	6.81066	10.0	126117.0	0.681066	Y
7	IC 410-433347/9	25.0	12.923656	10.0	119590.0	0.516946	Y
8	IC 410-433347/10	75.0	48.00805	10.0	132418.0	0.640107	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

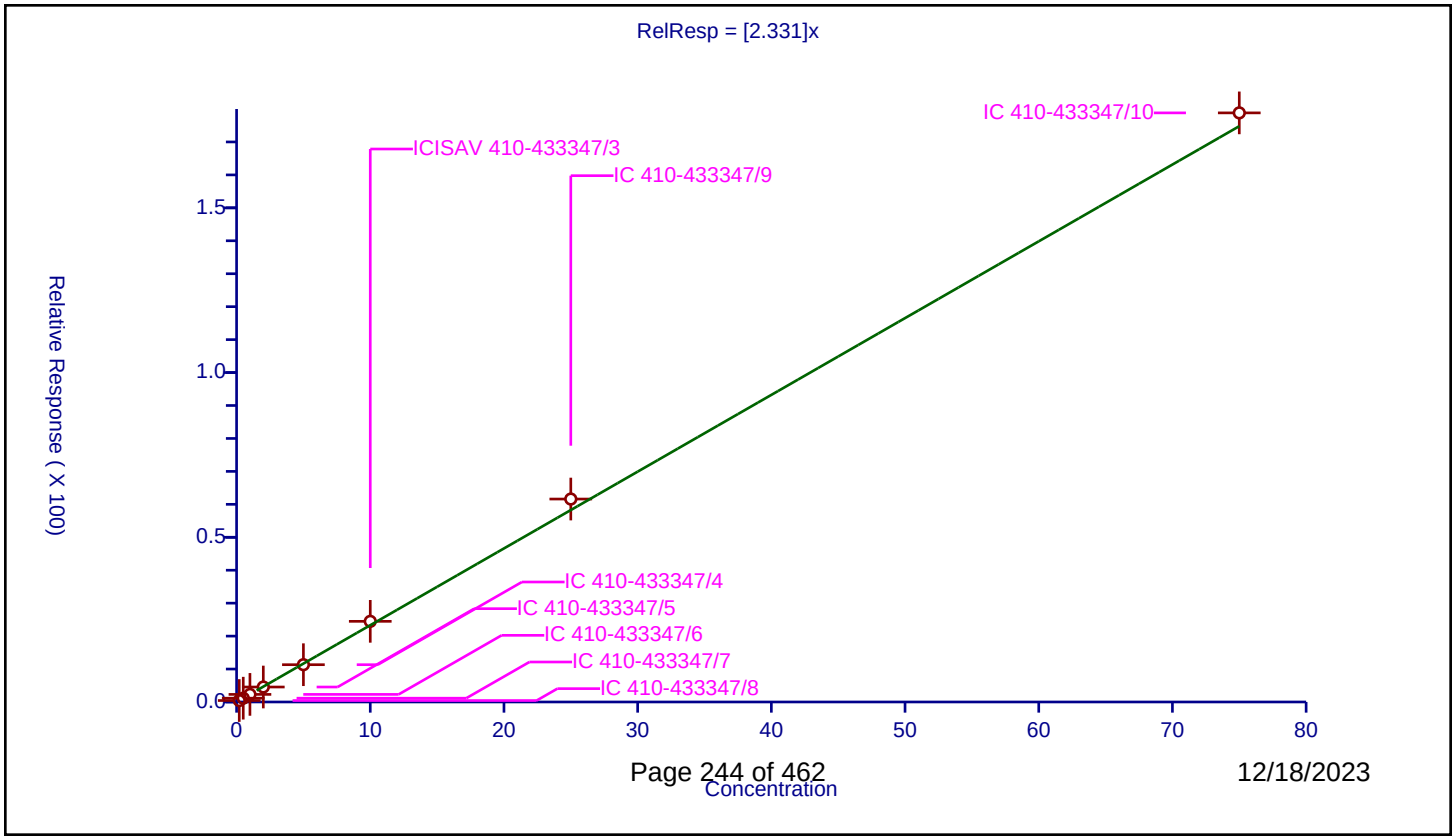
Curve Coefficients

Intercept:	0
Slope:	2.331

Error Coefficients

Standard Error:	946000
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 410-433347/8	0.2	0.43921	10.0	100658.0	2.19605	Y
2	IC 410-433347/7	0.5	1.154784	10.0	111917.0	2.309569	Y
3	IC 410-433347/6	1.0	2.306722	10.0	102262.0	2.306722	Y
4	IC 410-433347/5	2.0	4.541927	10.0	110812.0	2.270963	Y
5	IC 410-433347/4	5.0	11.321101	10.0	126440.0	2.26422	Y
6	ICISAV 410-433347/3	10.0	24.479571	10.0	126117.0	2.447957	Y
7	IC 410-433347/9	25.0	61.604816	10.0	119590.0	2.464193	Y
8	IC 410-433347/10	75.0	178.824707	10.0	132418.0	2.384329	Y



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

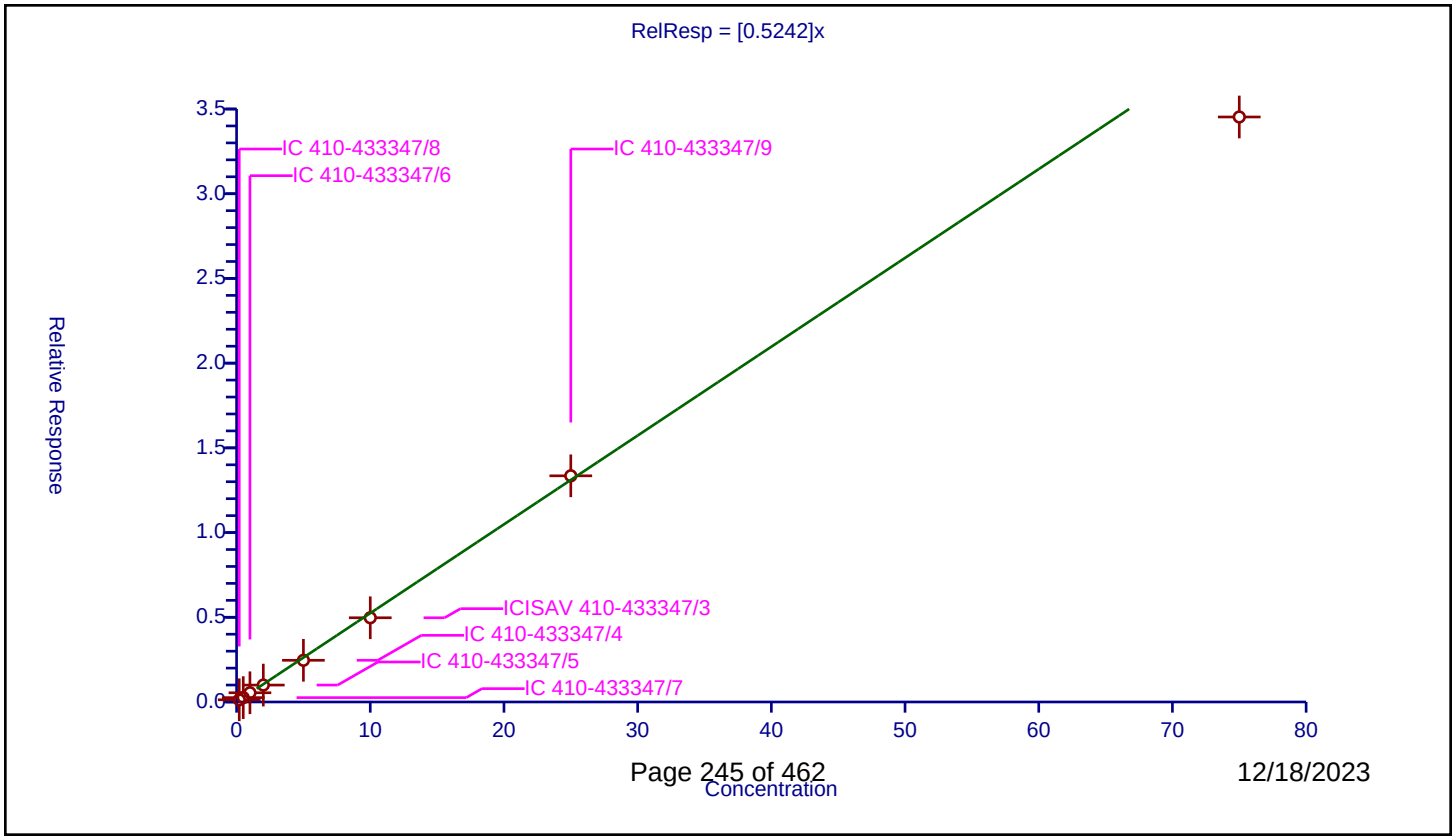
Curve Coefficients

Intercept:	0
Slope:	0.5242

Error Coefficients

Standard Error:	185000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.130144	10.0	100658.0	0.650718	Y
2	IC 410-433347/7	0.5	0.258048	10.0	111917.0	0.516097	Y
3	IC 410-433347/6	1.0	0.544386	10.0	102262.0	0.544386	Y
4	IC 410-433347/5	2.0	0.997997	10.0	110812.0	0.498998	Y
5	IC 410-433347/4	5.0	2.460535	10.0	126440.0	0.492107	Y
6	ICISAV 410-433347/3	10.0	4.971257	10.0	126117.0	0.497126	Y
7	IC 410-433347/9	25.0	13.350029	10.0	119590.0	0.534001	Y
8	IC 410-433347/10	75.0	34.529898	10.0	132418.0	0.460399	Y



Calibration / 3-Chloro-1-propene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

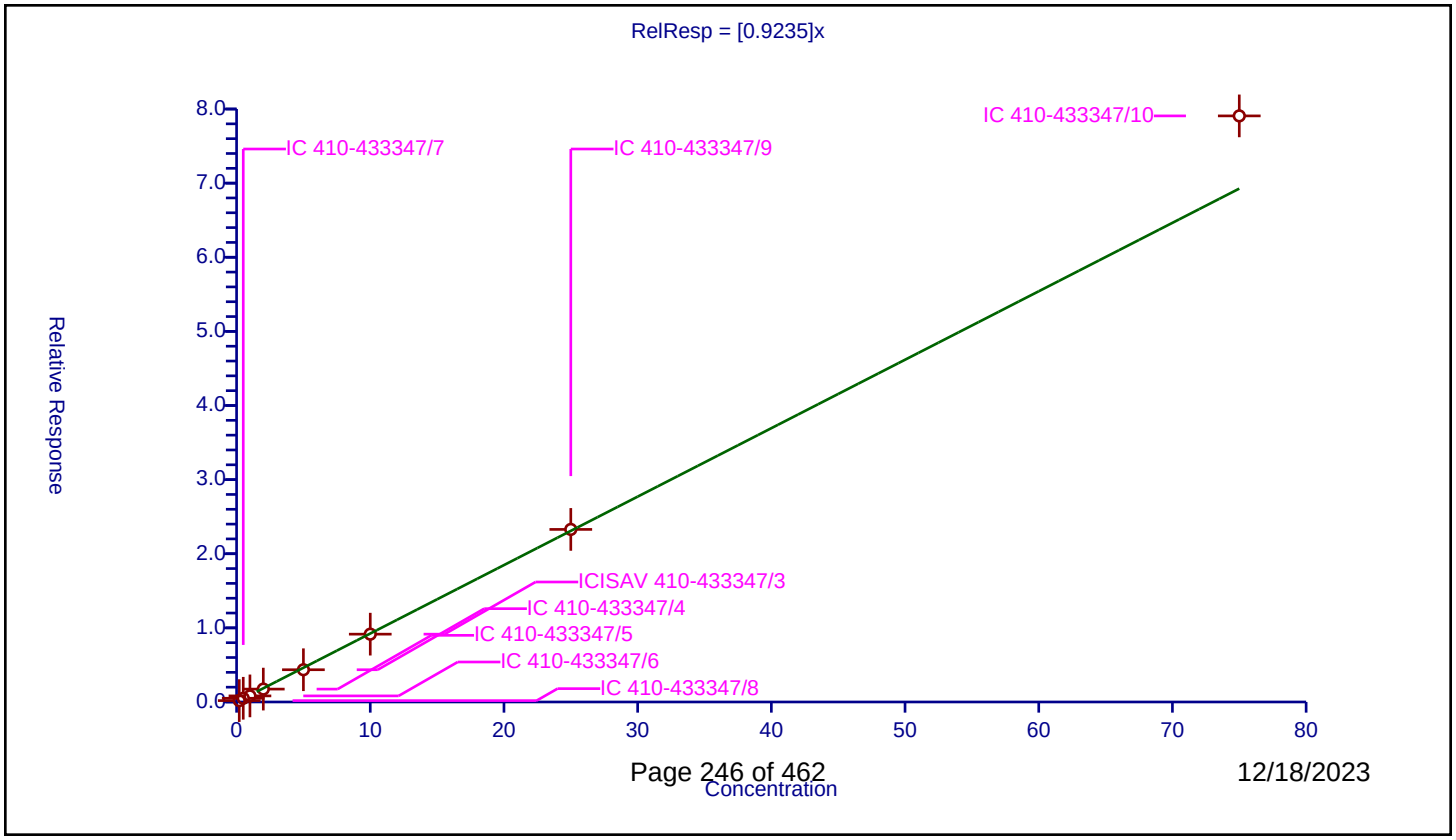
Curve Coefficients

Intercept:	0
Slope:	0.9235

Error Coefficients

Standard Error:	412000
Relative Standard Error:	8.1
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.18389	10.0	100658.0	0.91945	Y
2	IC 410-433347/7	0.5	0.502158	10.0	111917.0	1.004316	Y
3	IC 410-433347/6	1.0	0.82318	10.0	102262.0	0.82318	Y
4	IC 410-433347/5	2.0	1.739613	10.0	110812.0	0.869807	Y
5	IC 410-433347/4	5.0	4.351471	10.0	126440.0	0.870294	Y
6	ICISAV 410-433347/3	10.0	9.151106	10.0	126117.0	0.915111	Y
7	IC 410-433347/9	25.0	23.283134	10.0	119590.0	0.931325	Y
8	IC 410-433347/10	75.0	79.070368	10.0	132418.0	1.054272	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

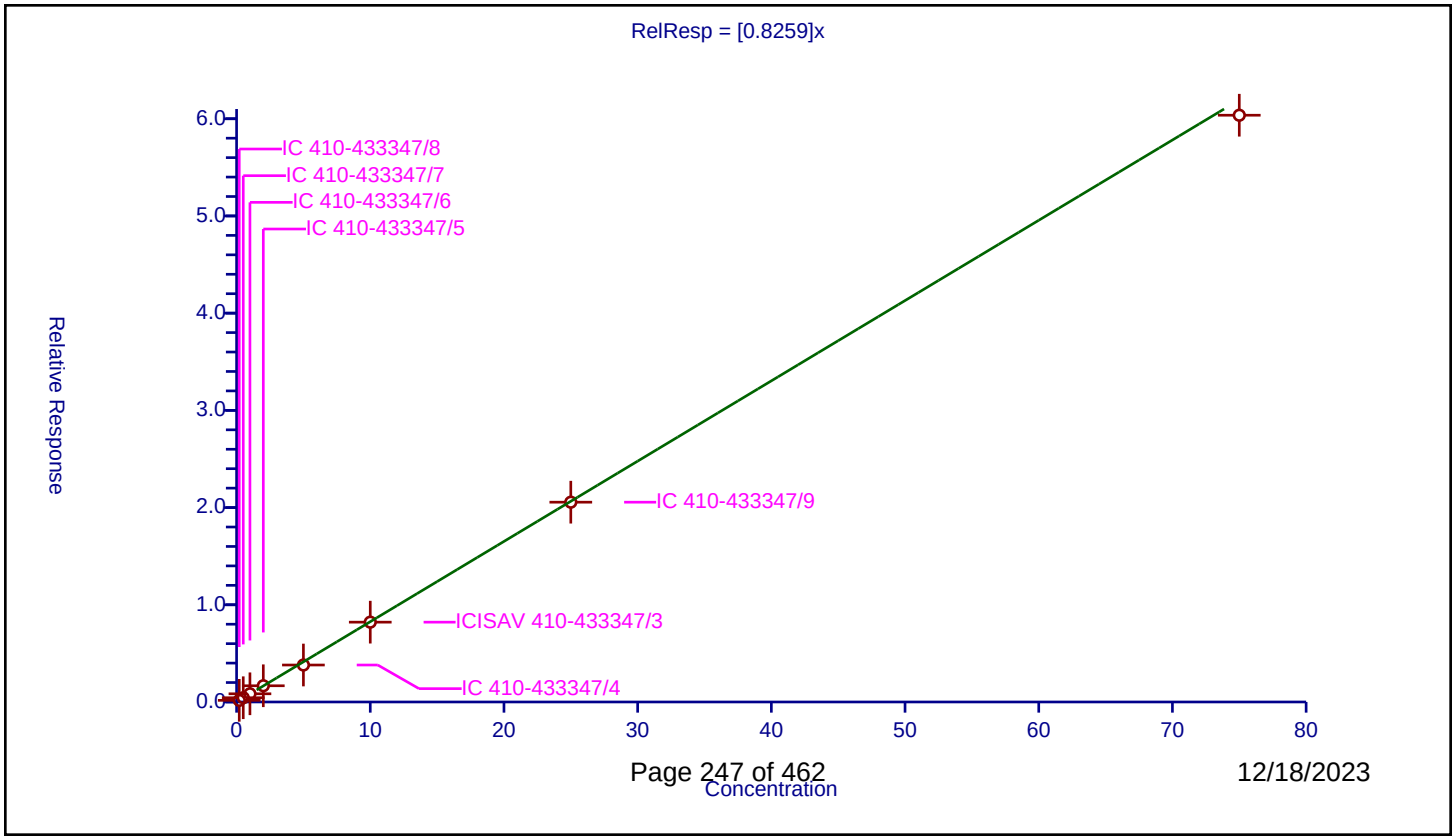
Curve Coefficients

Intercept:	0
Slope:	0.8259

Error Coefficients

Standard Error:	319000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.169187	10.0	100658.0	0.845934	Y
2	IC 410-433347/7	0.5	0.436484	10.0	111917.0	0.872968	Y
3	IC 410-433347/6	1.0	0.8444	10.0	102262.0	0.8444	Y
4	IC 410-433347/5	2.0	1.669675	10.0	110812.0	0.834837	Y
5	IC 410-433347/4	5.0	3.803464	10.0	126440.0	0.760693	Y
6	ICISAV 410-433347/3	10.0	8.212374	10.0	126117.0	0.821237	Y
7	IC 410-433347/9	25.0	20.552805	10.0	119590.0	0.822112	Y
8	IC 410-433347/10	75.0	60.359543	10.0	132418.0	0.804794	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

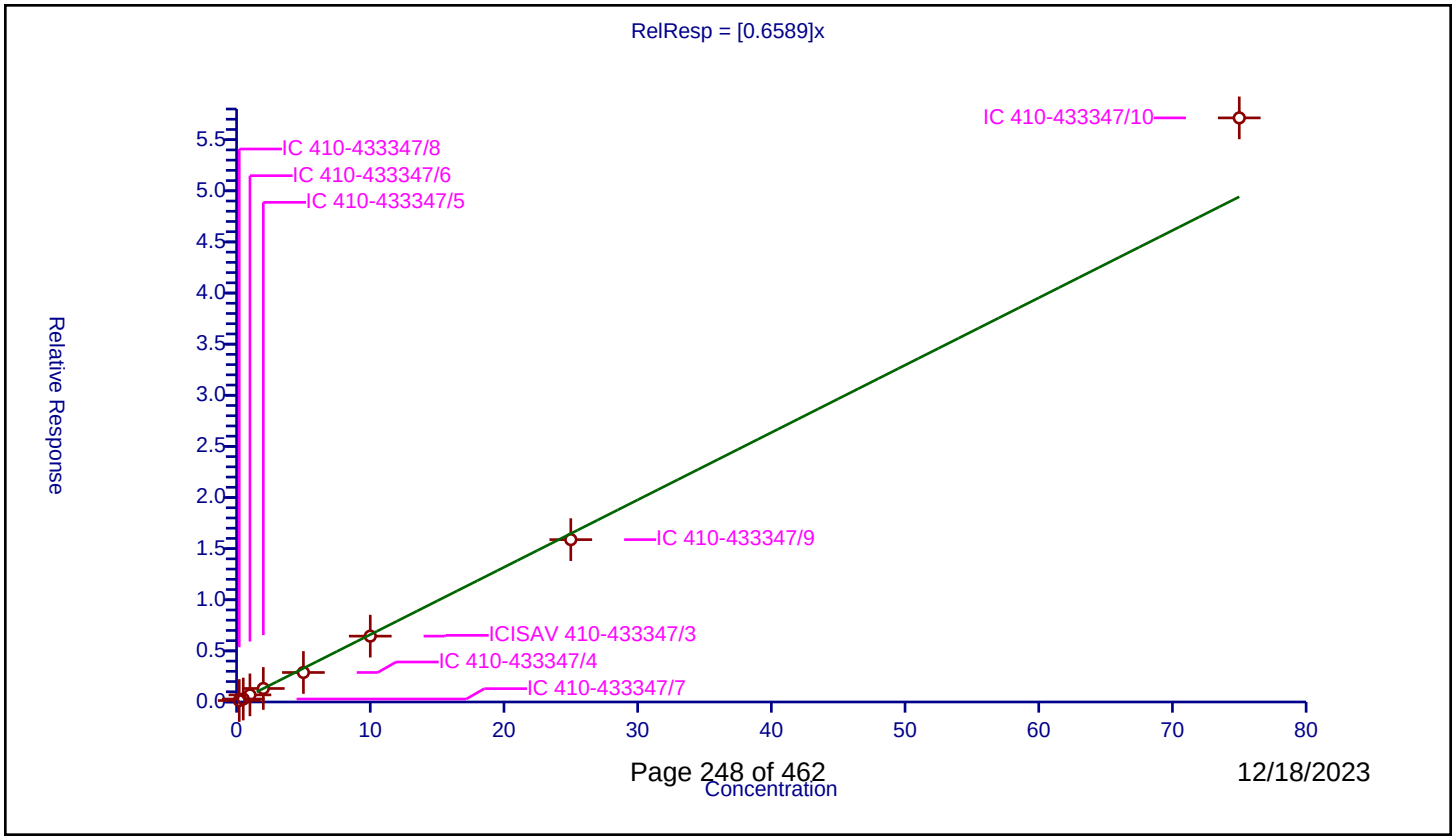
Curve Coefficients

Intercept:	0
Slope:	0.6589

Error Coefficients

Standard Error:	297000
Relative Standard Error:	9.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.142959	10.0	100658.0	0.714797	Y
2	IC 410-433347/7	0.5	0.291466	10.0	111917.0	0.582932	Y
3	IC 410-433347/6	1.0	0.694686	10.0	102262.0	0.694686	Y
4	IC 410-433347/5	2.0	1.320164	10.0	110812.0	0.660082	Y
5	IC 410-433347/4	5.0	2.887298	10.0	126440.0	0.57746	Y
6	ICISAV 410-433347/3	10.0	6.441003	10.0	126117.0	0.6441	Y
7	IC 410-433347/9	25.0	15.881763	10.0	119590.0	0.635271	Y
8	IC 410-433347/10	75.0	57.130904	10.0	132418.0	0.761745	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

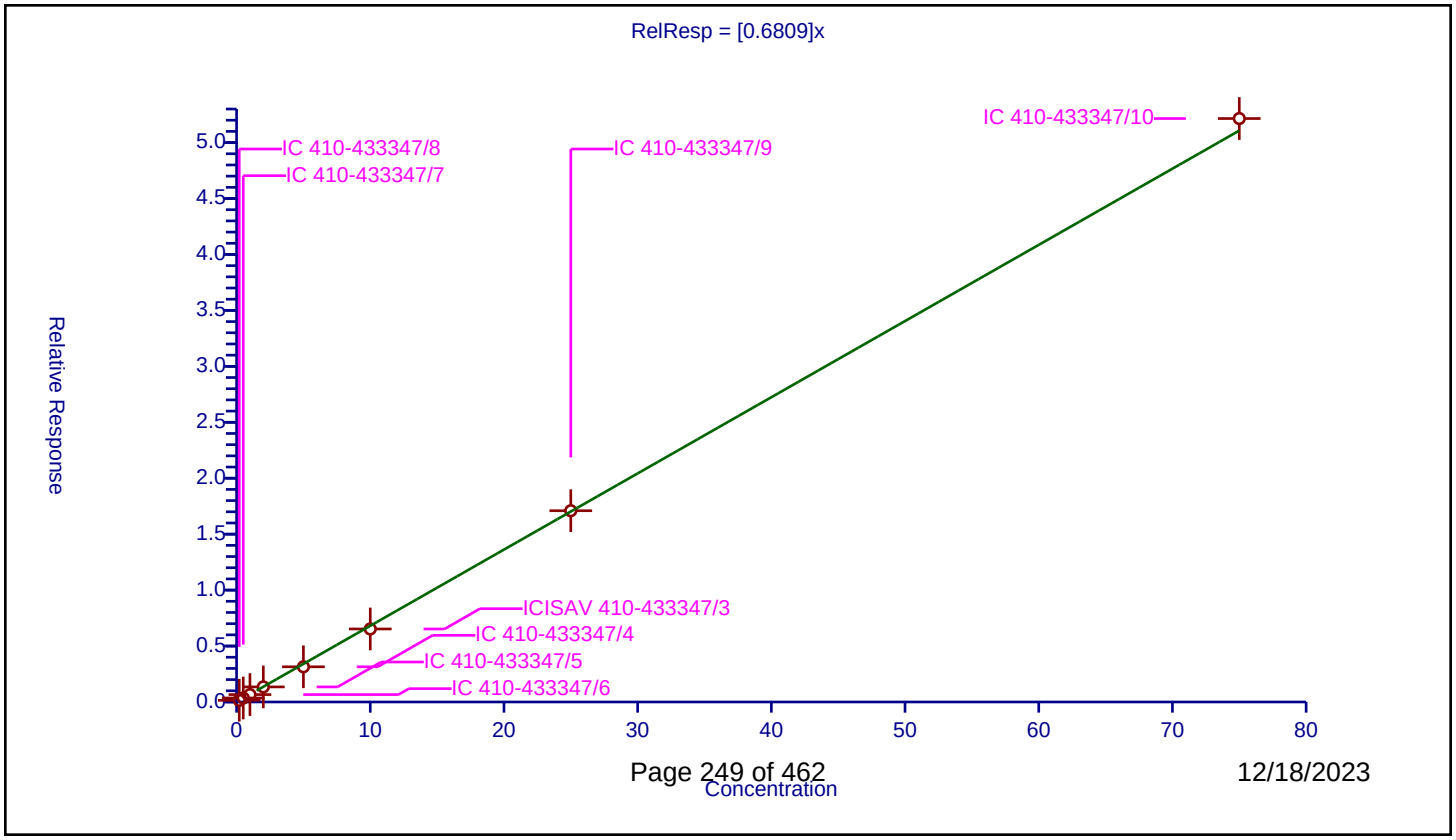
Curve Coefficients

Intercept:	0
Slope:	0.6809

Error Coefficients

Standard Error:	274000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.147827	10.0	100658.0	0.739136	Y
2	IC 410-433347/7	0.5	0.355353	10.0	111917.0	0.710705	Y
3	IC 410-433347/6	1.0	0.662514	10.0	102262.0	0.662514	Y
4	IC 410-433347/5	2.0	1.348681	10.0	110812.0	0.67434	Y
5	IC 410-433347/4	5.0	3.144812	10.0	126440.0	0.628962	Y
6	ICISAV 410-433347/3	10.0	6.527748	10.0	126117.0	0.652775	Y
7	IC 410-433347/9	25.0	17.094908	10.0	119590.0	0.683796	Y
8	IC 410-433347/10	75.0	52.148802	10.0	132418.0	0.695317	Y



Calibration / Methyl tert-butyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

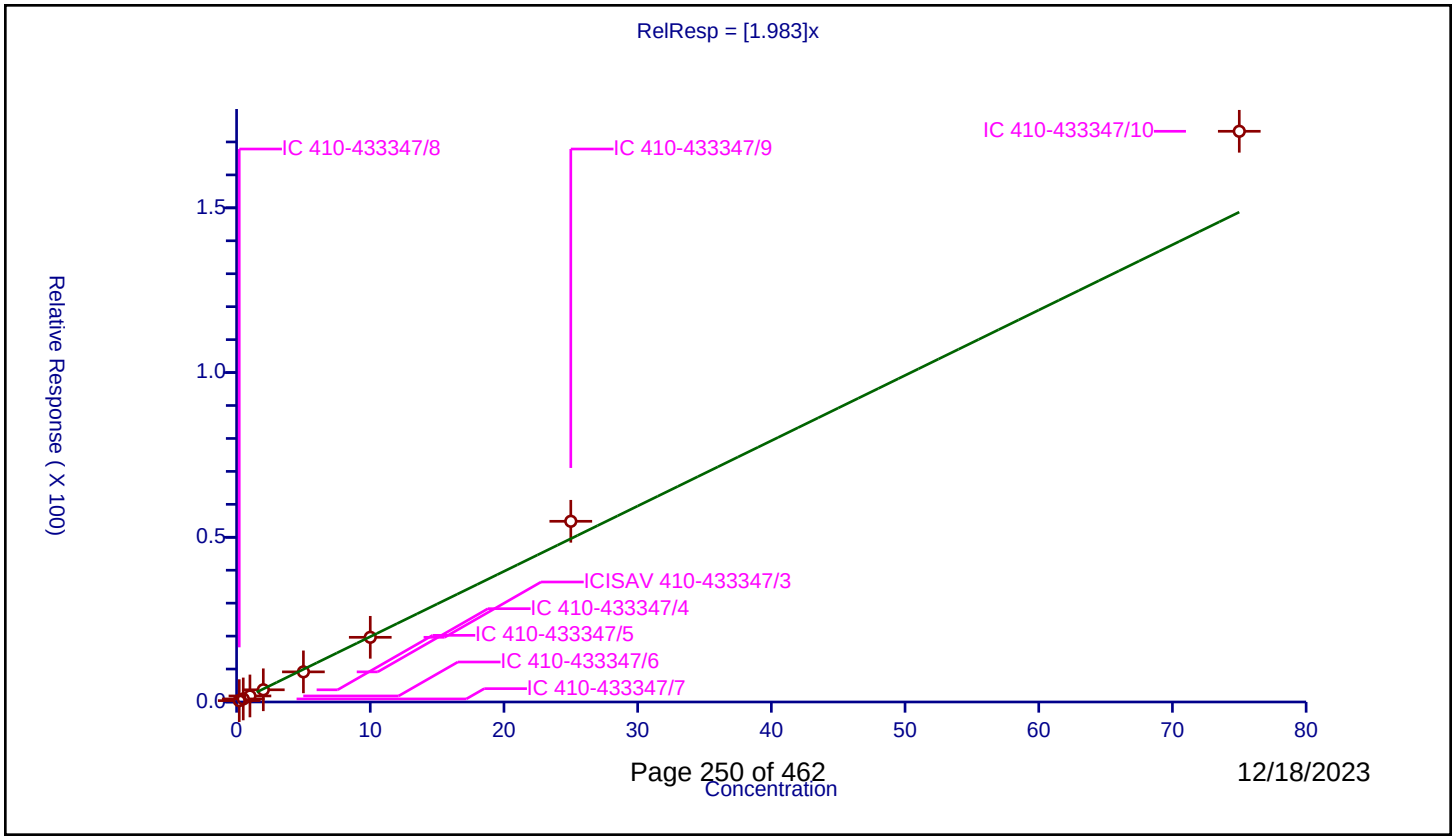
Curve Coefficients

Intercept:	0
Slope:	1.983

Error Coefficients

Standard Error:	908000
Relative Standard Error:	9.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.406823	10.0	100658.0	2.034116	Y
2	IC 410-433347/7	0.5	0.92515	10.0	111917.0	1.8503	Y
3	IC 410-433347/6	1.0	1.829712	10.0	102262.0	1.829712	Y
4	IC 410-433347/5	2.0	3.703119	10.0	110812.0	1.851559	Y
5	IC 410-433347/4	5.0	9.143625	10.0	126440.0	1.828725	Y
6	ICISAV 410-433347/3	10.0	19.631057	10.0	126117.0	1.963106	Y
7	IC 410-433347/9	25.0	54.853499	10.0	119590.0	2.19414	Y
8	IC 410-433347/10	75.0	173.239514	10.0	132418.0	2.30986	Y



Calibration / trans-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

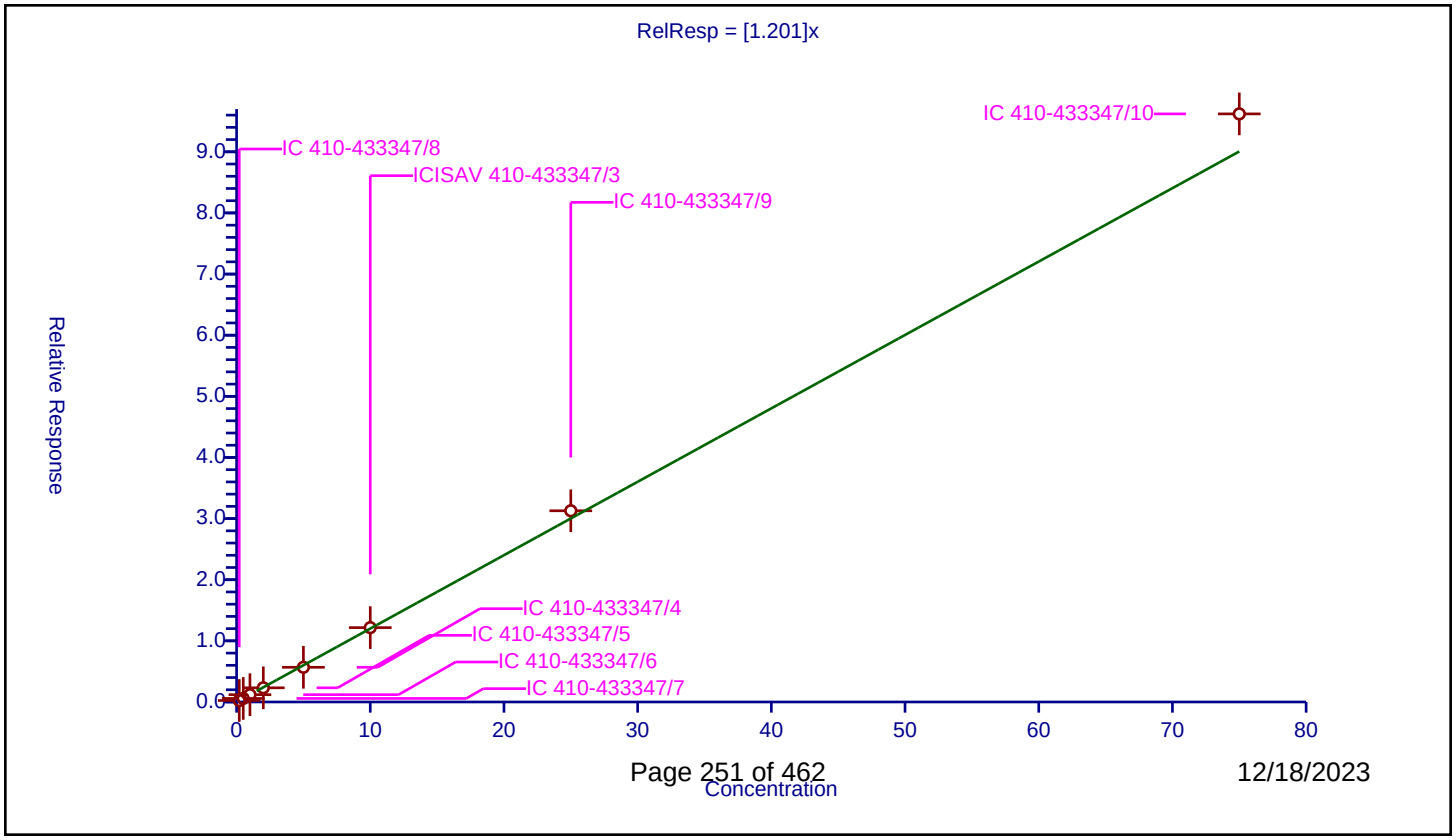
Curve Coefficients

Intercept:	0
Slope:	1.201

Error Coefficients

Standard Error:	506000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.242107	10.0	100658.0	1.210535	Y
2	IC 410-433347/7	0.5	0.577928	10.0	111917.0	1.155857	Y
3	IC 410-433347/6	1.0	1.195654	10.0	102262.0	1.195654	Y
4	IC 410-433347/5	2.0	2.317348	10.0	110812.0	1.158674	Y
5	IC 410-433347/4	5.0	5.676131	10.0	126440.0	1.135226	Y
6	ICISAV 410-433347/3	10.0	12.162278	10.0	126117.0	1.216228	Y
7	IC 410-433347/9	25.0	31.27703	10.0	119590.0	1.251081	Y
8	IC 410-433347/10	75.0	96.202782	10.0	132418.0	1.282704	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

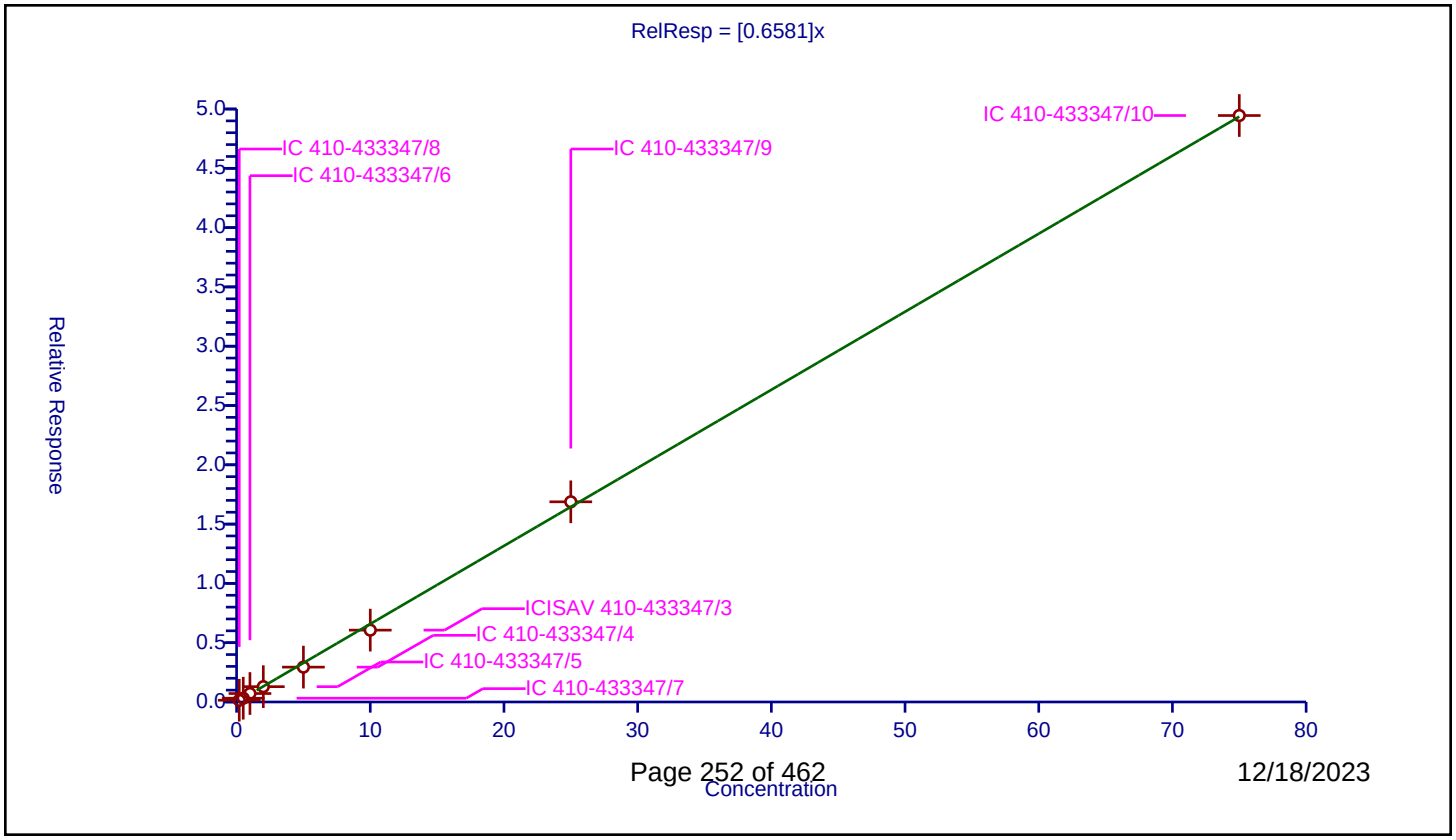
Curve Coefficients

Intercept:	0
Slope:	0.6581

Error Coefficients

Standard Error:	261000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.147728	10.0	100658.0	0.73864	Y
2	IC 410-433347/7	0.5	0.31845	10.0	111917.0	0.636901	Y
3	IC 410-433347/6	1.0	0.714733	10.0	102262.0	0.714733	Y
4	IC 410-433347/5	2.0	1.29264	10.0	110812.0	0.64632	Y
5	IC 410-433347/4	5.0	2.939181	10.0	126440.0	0.587836	Y
6	ICISAV 410-433347/3	10.0	6.058263	10.0	126117.0	0.605826	Y
7	IC 410-433347/9	25.0	16.879003	10.0	119590.0	0.67516	Y
8	IC 410-433347/10	75.0	49.450754	10.0	132418.0	0.659343	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

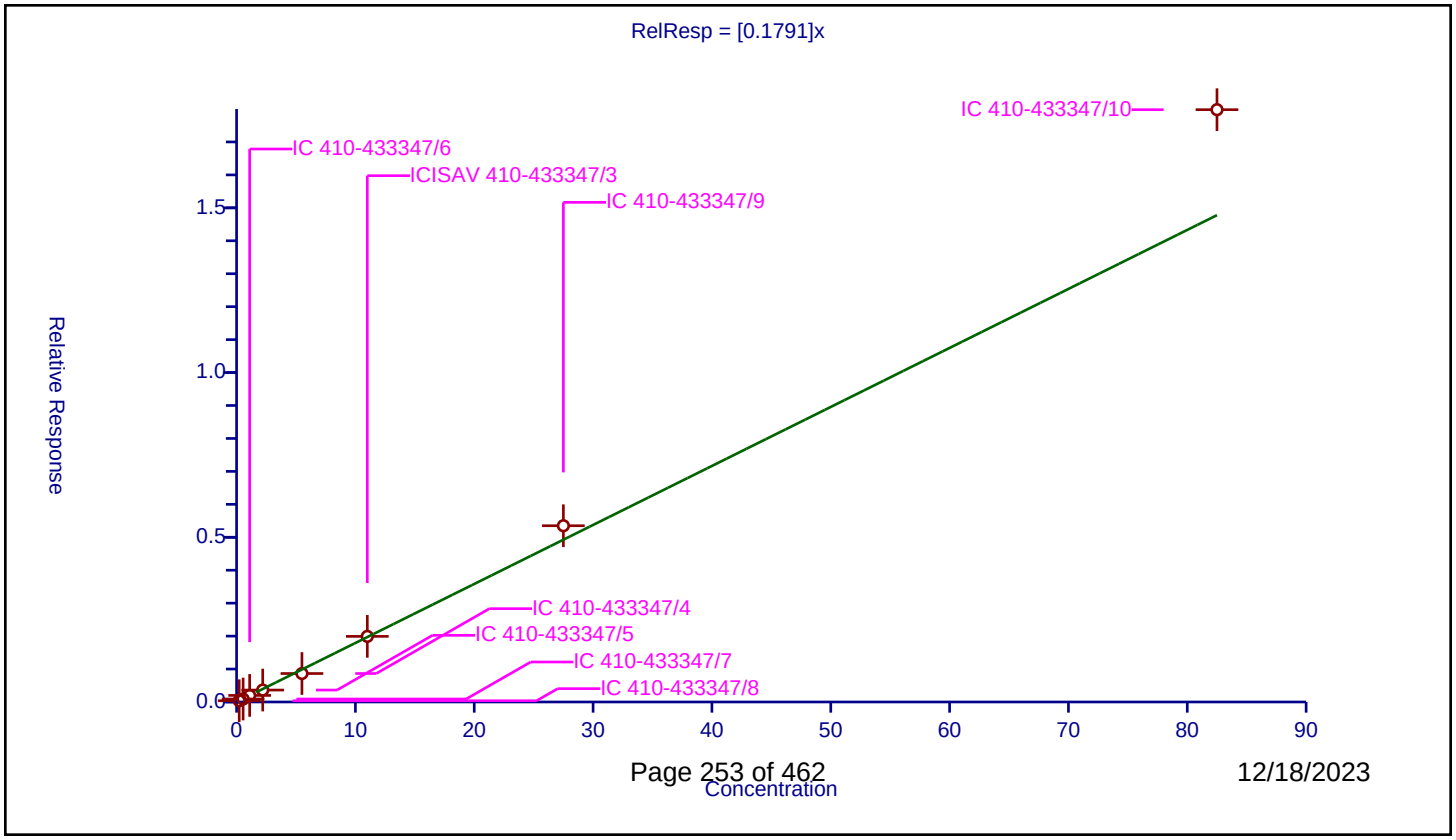
Curve Coefficients

Intercept:	0
Slope:	0.1791

Error Coefficients

Standard Error:	93800
Relative Standard Error:	11.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.22	0.037851	10.0	100658.0	0.17205	Y
2	IC 410-433347/7	0.55	0.090245	10.0	111917.0	0.164083	Y
3	IC 410-433347/6	1.1	0.199879	10.0	102262.0	0.181708	Y
4	IC 410-433347/5	2.2	0.361874	10.0	110812.0	0.164488	Y
5	IC 410-433347/4	5.5	0.864283	10.0	126440.0	0.157142	Y
6	ICISAV 410-433347/3	11.0	1.991405	10.0	126117.0	0.181037	Y
7	IC 410-433347/9	27.5	5.350113	10.0	119590.0	0.19455	Y
8	IC 410-433347/10	82.5	17.979882	10.0	132418.0	0.217938	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

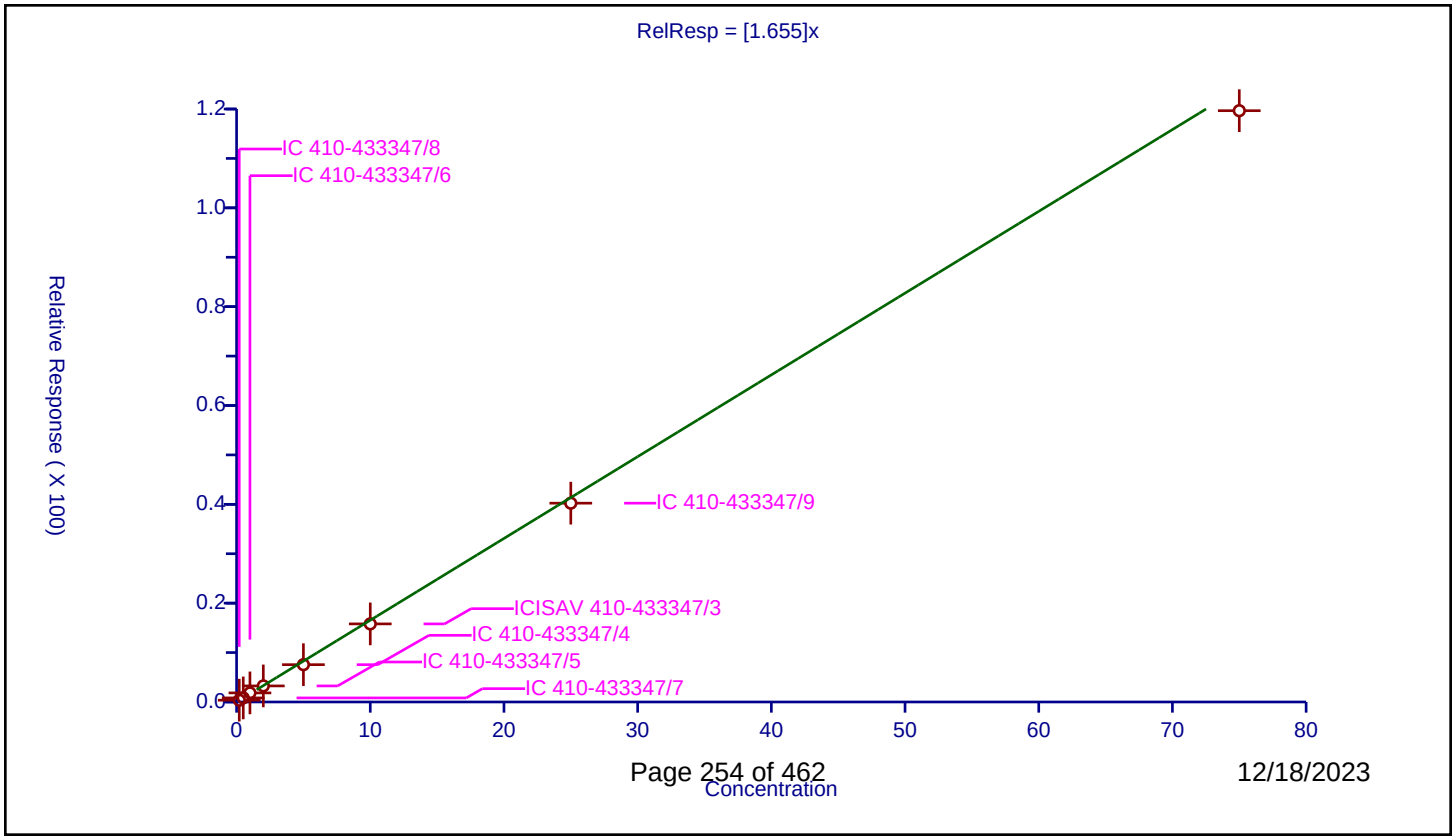
Curve Coefficients

Intercept:	0
Slope:	1.655

Error Coefficients

Standard Error:	632000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.365694	10.0	100658.0	1.828469	Y
2	IC 410-433347/7	0.5	0.825344	10.0	111917.0	1.650688	Y
3	IC 410-433347/6	1.0	1.837535	10.0	102262.0	1.837535	Y
4	IC 410-433347/5	2.0	3.252265	10.0	110812.0	1.626133	Y
5	IC 410-433347/4	5.0	7.55212	10.0	126440.0	1.510424	Y
6	ICISAV 410-433347/3	10.0	15.804055	10.0	126117.0	1.580405	Y
7	IC 410-433347/9	25.0	40.232712	10.0	119590.0	1.609308	Y
8	IC 410-433347/10	75.0	119.659563	10.0	132418.0	1.595461	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

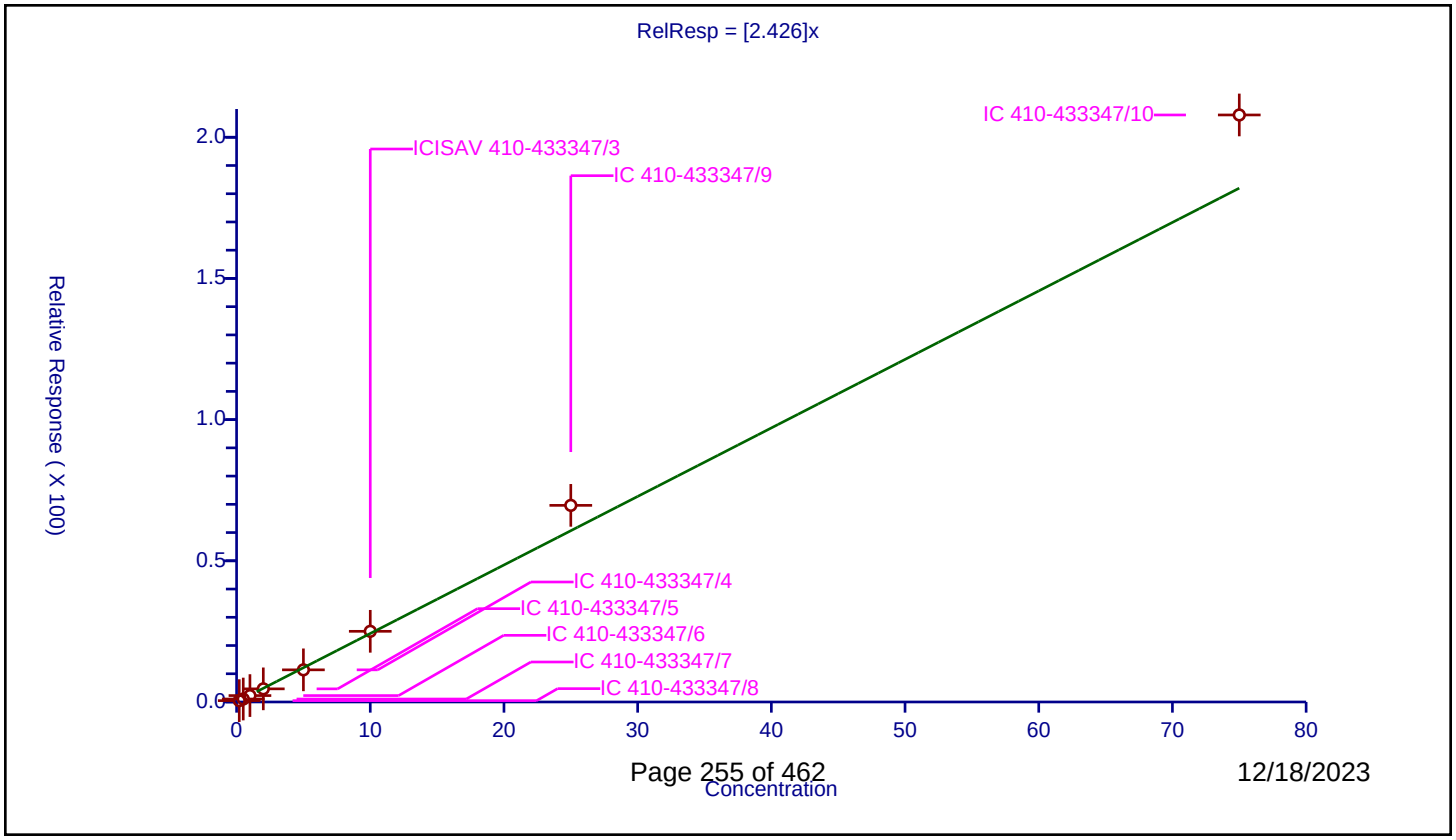
Curve Coefficients

Intercept:	0
Slope:	2.426

Error Coefficients

Standard Error:	1100000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.474478	10.0	100658.0	2.37239	Y
2	IC 410-433347/7	0.5	1.050511	10.0	111917.0	2.101021	Y
3	IC 410-433347/6	1.0	2.27455	10.0	102262.0	2.27455	Y
4	IC 410-433347/5	2.0	4.651572	10.0	110812.0	2.325786	Y
5	IC 410-433347/4	5.0	11.381208	10.0	126440.0	2.276242	Y
6	ICISAV 410-433347/3	10.0	25.032311	10.0	126117.0	2.503231	Y
7	IC 410-433347/9	25.0	69.630069	10.0	119590.0	2.785203	Y
8	IC 410-433347/10	75.0	207.889411	10.0	132418.0	2.771859	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

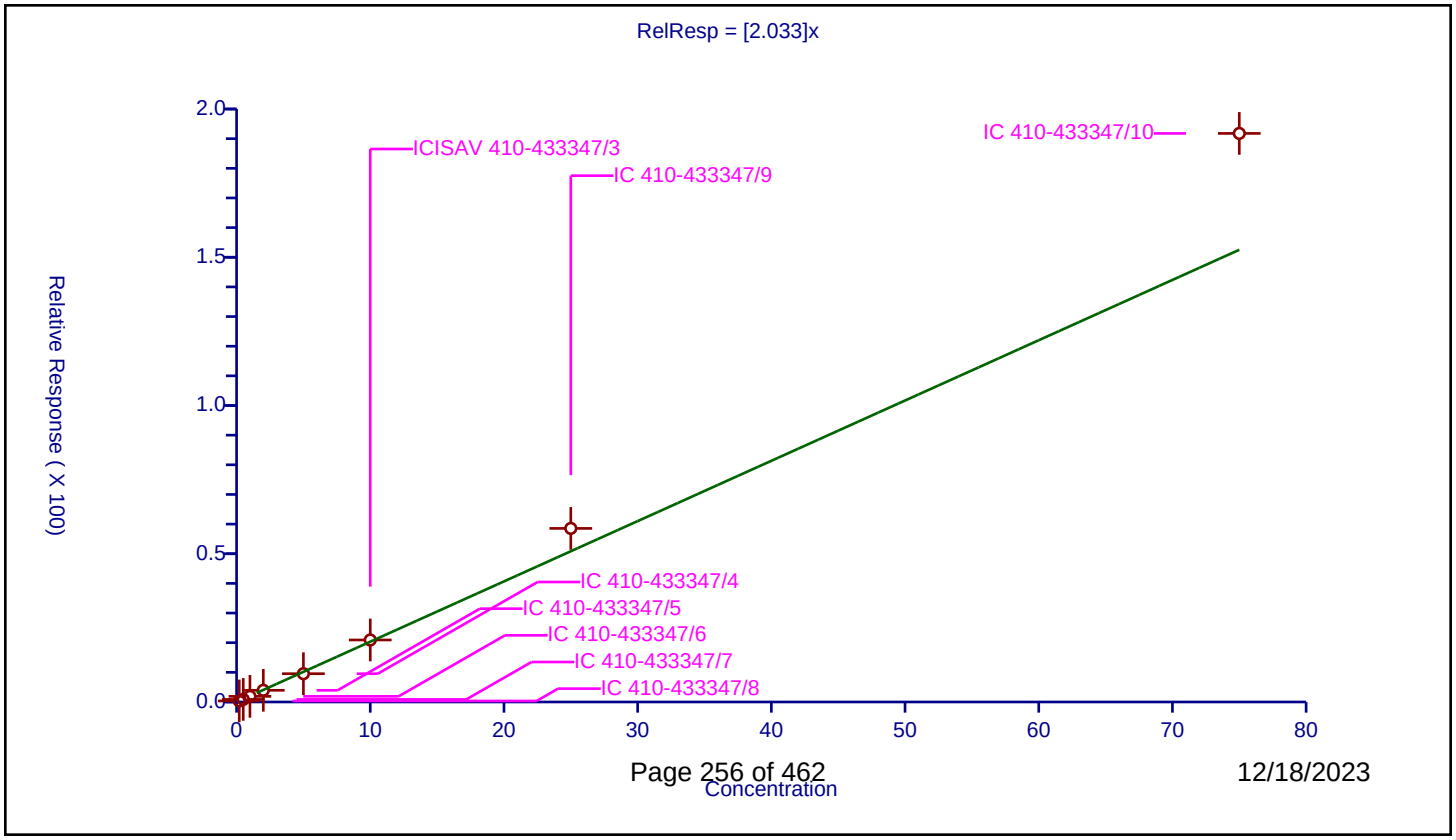
Curve Coefficients

Intercept:	0
Slope:	2.033

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	14.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.349798	10.0	100658.0	1.748992	Y
2	IC 410-433347/7	0.5	0.871807	10.0	111917.0	1.743614	Y
3	IC 410-433347/6	1.0	1.905498	10.0	102262.0	1.905498	Y
4	IC 410-433347/5	2.0	3.942263	10.0	110812.0	1.971131	Y
5	IC 410-433347/4	5.0	9.542392	10.0	126440.0	1.908478	Y
6	ICISAV 410-433347/3	10.0	20.913596	10.0	126117.0	2.09136	Y
7	IC 410-433347/9	25.0	58.545531	10.0	119590.0	2.341821	Y
8	IC 410-433347/10	75.0	191.768566	10.0	132418.0	2.556914	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

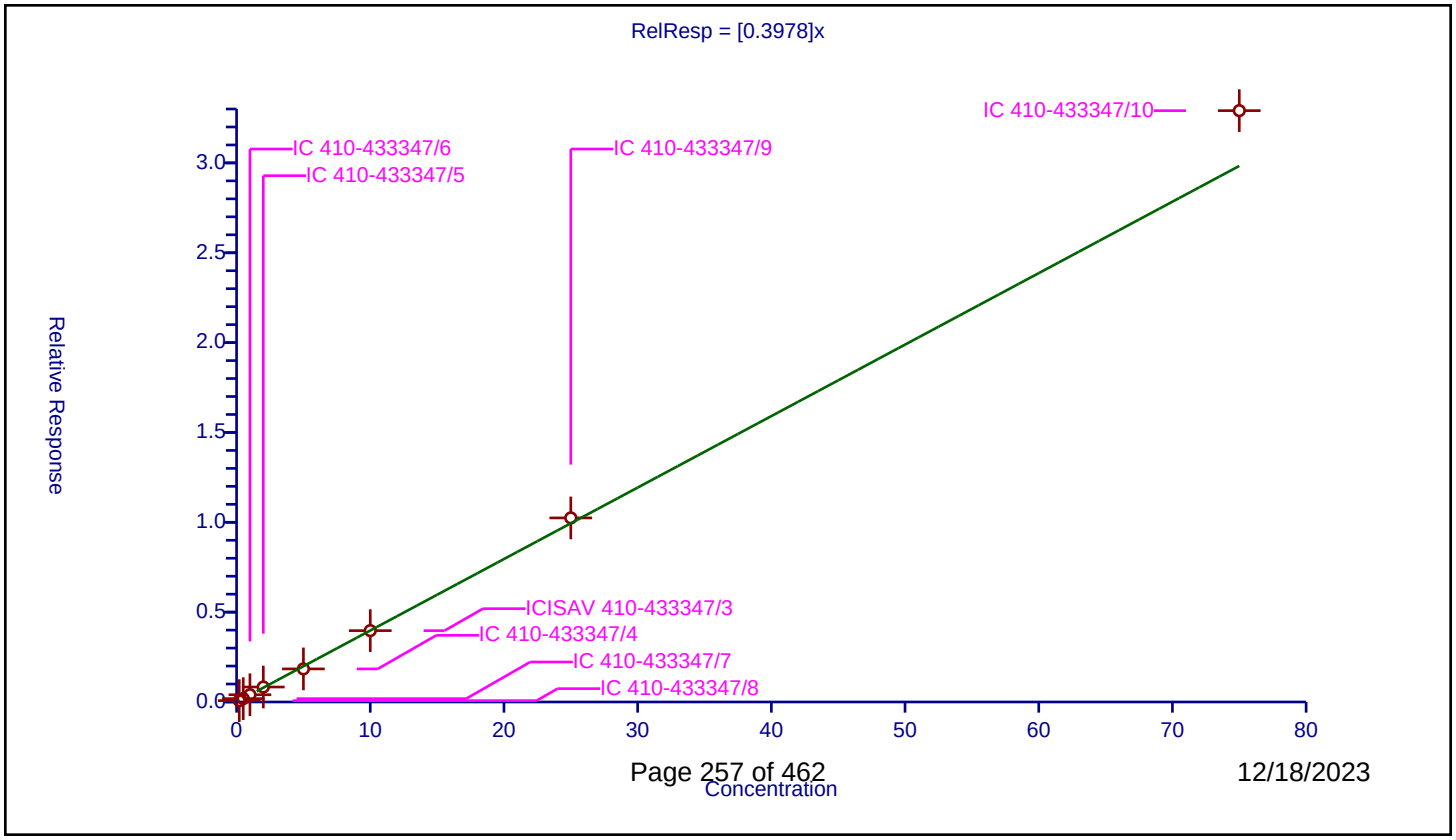
Curve Coefficients

Intercept:	0
Slope:	0.3978

Error Coefficients

Standard Error:	172000
Relative Standard Error:	6.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.075205	10.0	100658.0	0.376026	Y
2	IC 410-433347/7	0.5	0.186567	10.0	111917.0	0.373134	Y
3	IC 410-433347/6	1.0	0.402593	10.0	102262.0	0.402593	Y
4	IC 410-433347/5	2.0	0.832762	10.0	110812.0	0.416381	Y
5	IC 410-433347/4	5.0	1.841348	10.0	126440.0	0.36827	Y
6	ICISAV 410-433347/3	10.0	3.970916	10.0	126117.0	0.397092	Y
7	IC 410-433347/9	25.0	10.243749	10.0	119590.0	0.40975	Y
8	IC 410-433347/10	75.0	32.910178	10.0	132418.0	0.438802	Y



Calibration / cis-1,2-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

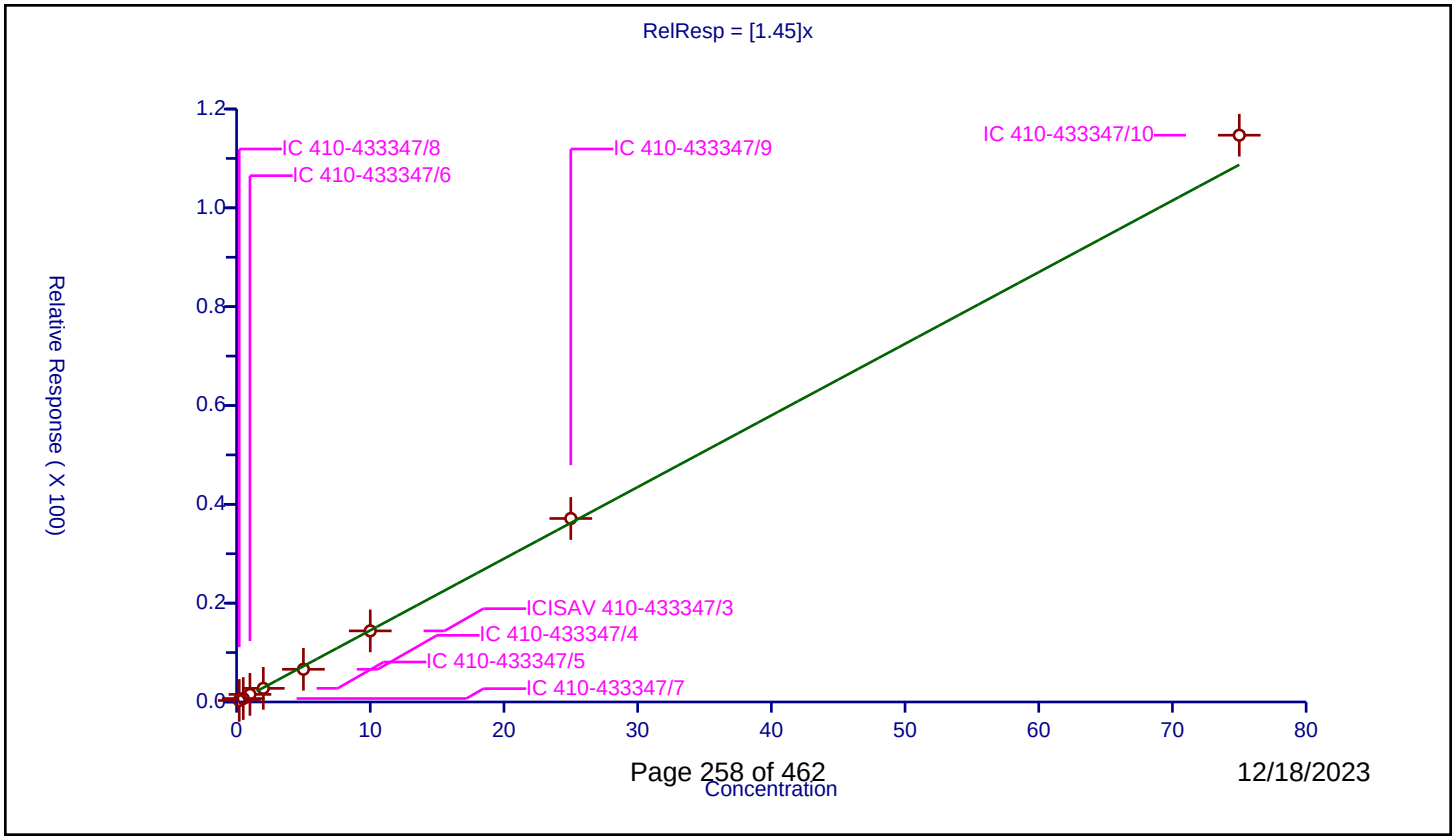
Curve Coefficients

Intercept:	0
Slope:	1.45

Error Coefficients

Standard Error:	603000
Relative Standard Error:	5.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.302211	10.0	100658.0	1.511057	Y
2	IC 410-433347/7	0.5	0.69623	10.0	111917.0	1.39246	Y
3	IC 410-433347/6	1.0	1.536446	10.0	102262.0	1.536446	Y
4	IC 410-433347/5	2.0	2.758817	10.0	110812.0	1.379408	Y
5	IC 410-433347/4	5.0	6.619503	10.0	126440.0	1.323901	Y
6	ICISAV 410-433347/3	10.0	14.387989	10.0	126117.0	1.438799	Y
7	IC 410-433347/9	25.0	37.136132	10.0	119590.0	1.485445	Y
8	IC 410-433347/10	75.0	114.702684	10.0	132418.0	1.529369	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

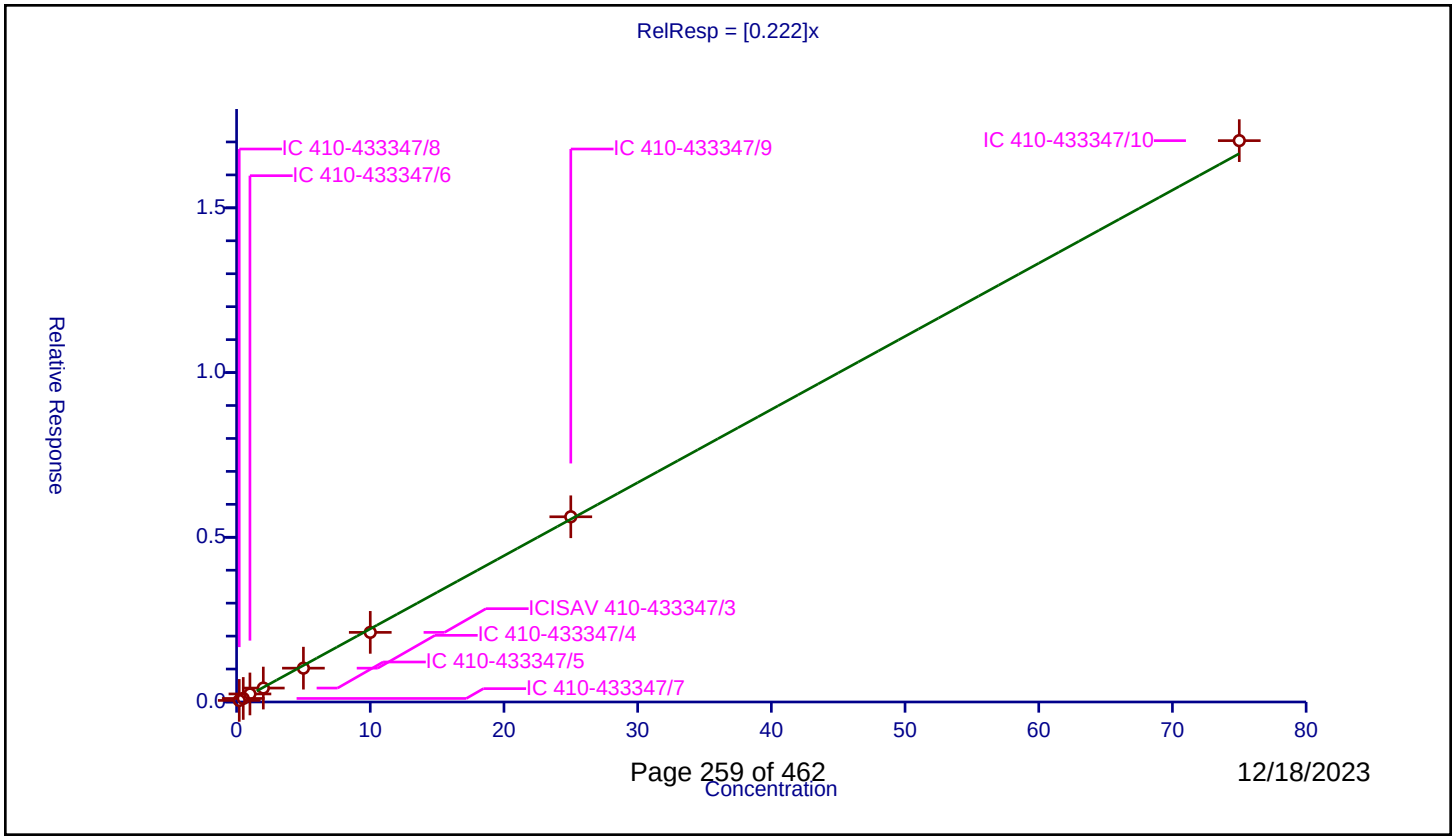
Curve Coefficients

Intercept:	0
Slope:	0.222

Error Coefficients

Standard Error:	89700
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.047289	10.0	100658.0	0.236444	Y
2	IC 410-433347/7	0.5	0.107401	10.0	111917.0	0.214802	Y
3	IC 410-433347/6	1.0	0.244275	10.0	102262.0	0.244275	Y
4	IC 410-433347/5	2.0	0.422788	10.0	110812.0	0.211394	Y
5	IC 410-433347/4	5.0	1.02689	10.0	126440.0	0.205378	Y
6	ICISAV 410-433347/3	10.0	2.113117	10.0	126117.0	0.211312	Y
7	IC 410-433347/9	25.0	5.622126	10.0	119590.0	0.224885	Y
8	IC 410-433347/10	75.0	17.039979	10.0	132418.0	0.2272	Y



Calibration / Methyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

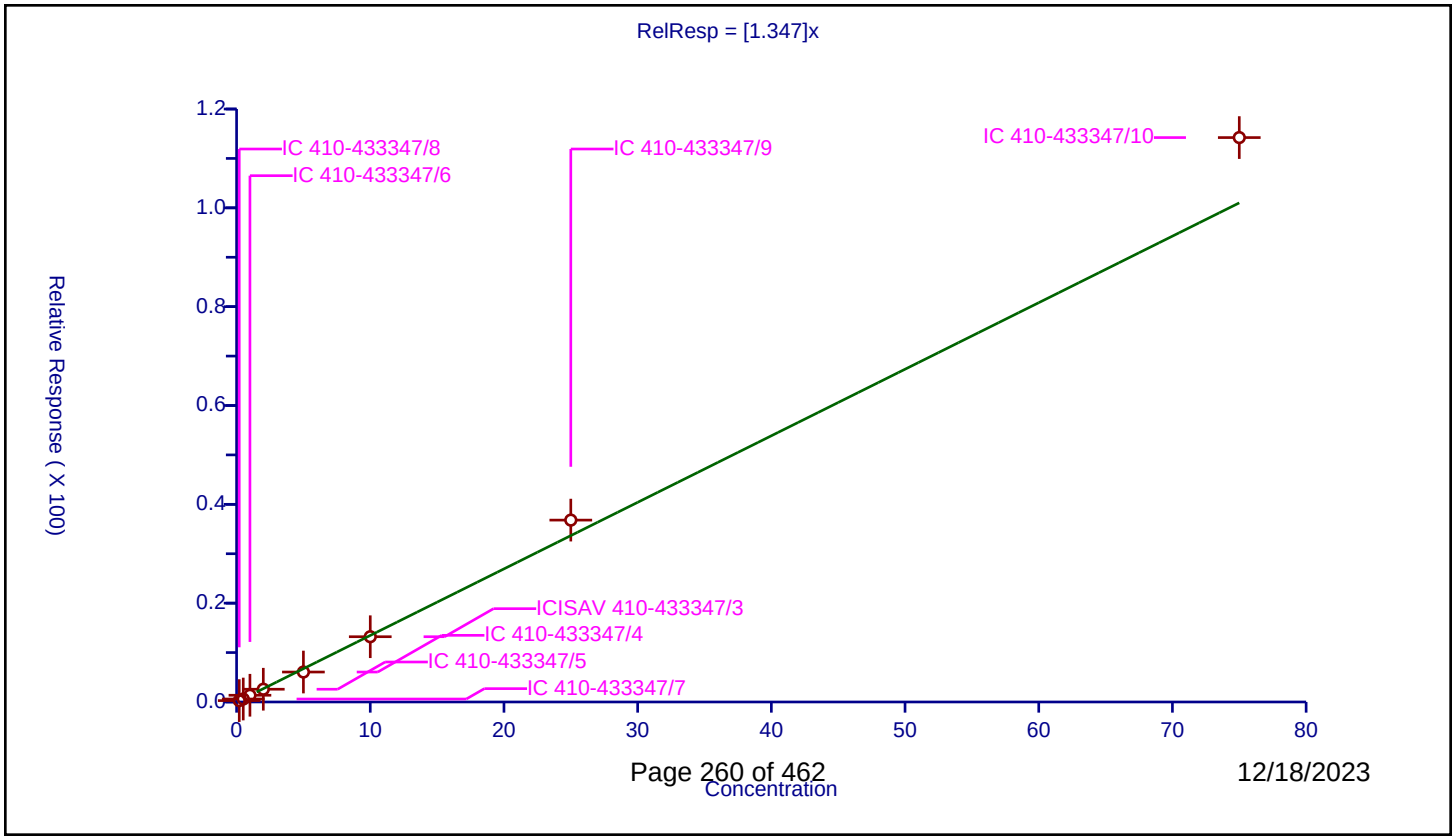
Curve Coefficients

Intercept:	0
Slope:	1.347

Error Coefficients

Standard Error:	599000
Relative Standard Error:	8.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.277375	10.0	100658.0	1.386874	Y
2	IC 410-433347/7	0.5	0.602679	10.0	111917.0	1.205358	Y
3	IC 410-433347/6	1.0	1.363459	10.0	102262.0	1.363459	Y
4	IC 410-433347/5	2.0	2.580045	10.0	110812.0	1.290023	Y
5	IC 410-433347/4	5.0	6.06074	10.0	126440.0	1.212148	Y
6	ICISAV 410-433347/3	10.0	13.208766	10.0	126117.0	1.320877	Y
7	IC 410-433347/9	25.0	36.807927	10.0	119590.0	1.472317	Y
8	IC 410-433347/10	75.0	114.221178	10.0	132418.0	1.522949	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

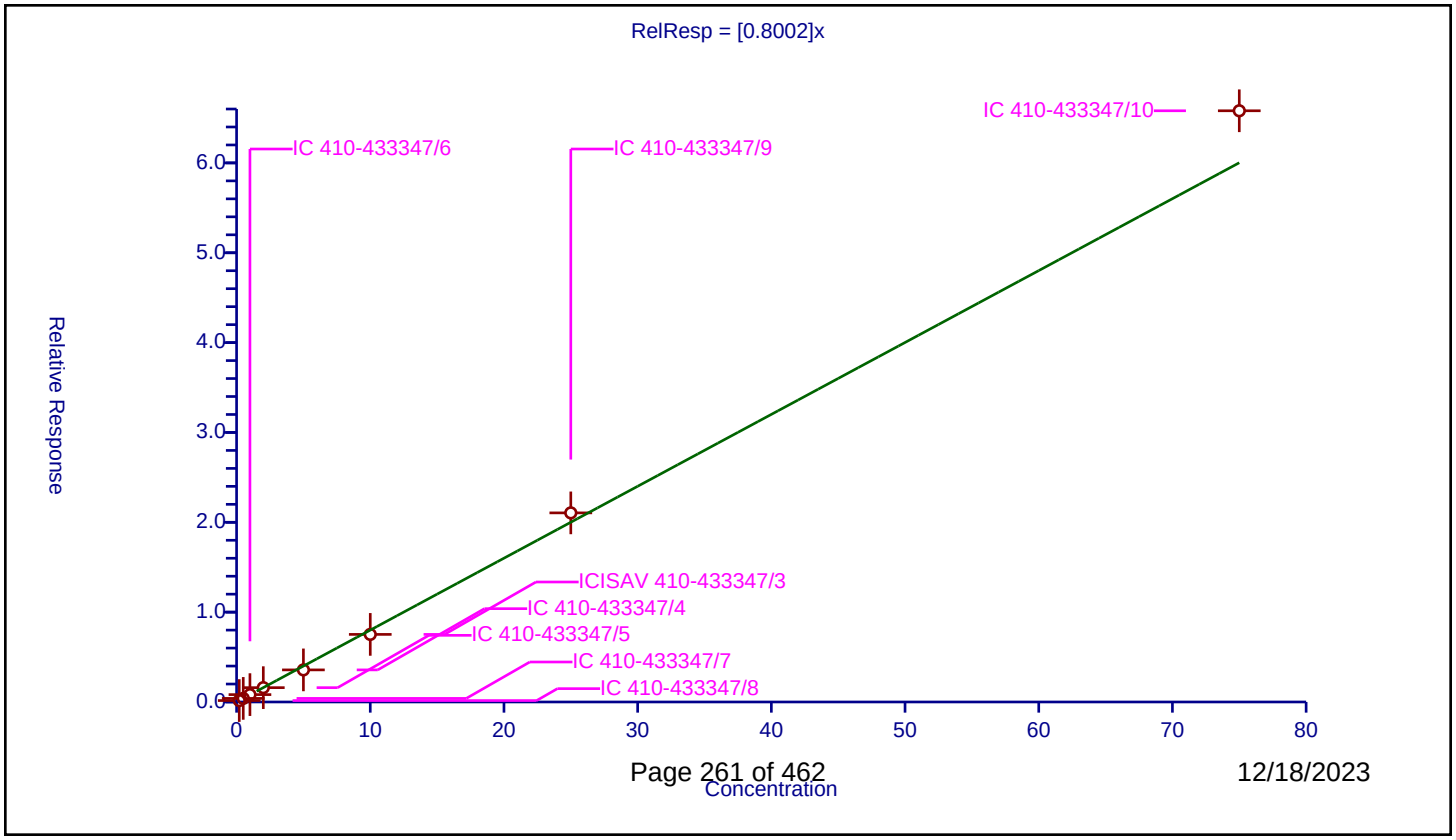
Curve Coefficients

Intercept:	0
Slope:	0.8002

Error Coefficients

Standard Error:	345000
Relative Standard Error:	6.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.159749	10.0	100658.0	0.798744	Y
2	IC 410-433347/7	0.5	0.399761	10.0	111917.0	0.799521	Y
3	IC 410-433347/6	1.0	0.819562	10.0	102262.0	0.819562	Y
4	IC 410-433347/5	2.0	1.595766	10.0	110812.0	0.797883	Y
5	IC 410-433347/4	5.0	3.573474	10.0	126440.0	0.714695	Y
6	ICISAV 410-433347/3	10.0	7.522221	10.0	126117.0	0.752222	Y
7	IC 410-433347/9	25.0	21.04875	10.0	119590.0	0.84195	Y
8	IC 410-433347/10	75.0	65.803516	10.0	132418.0	0.87738	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

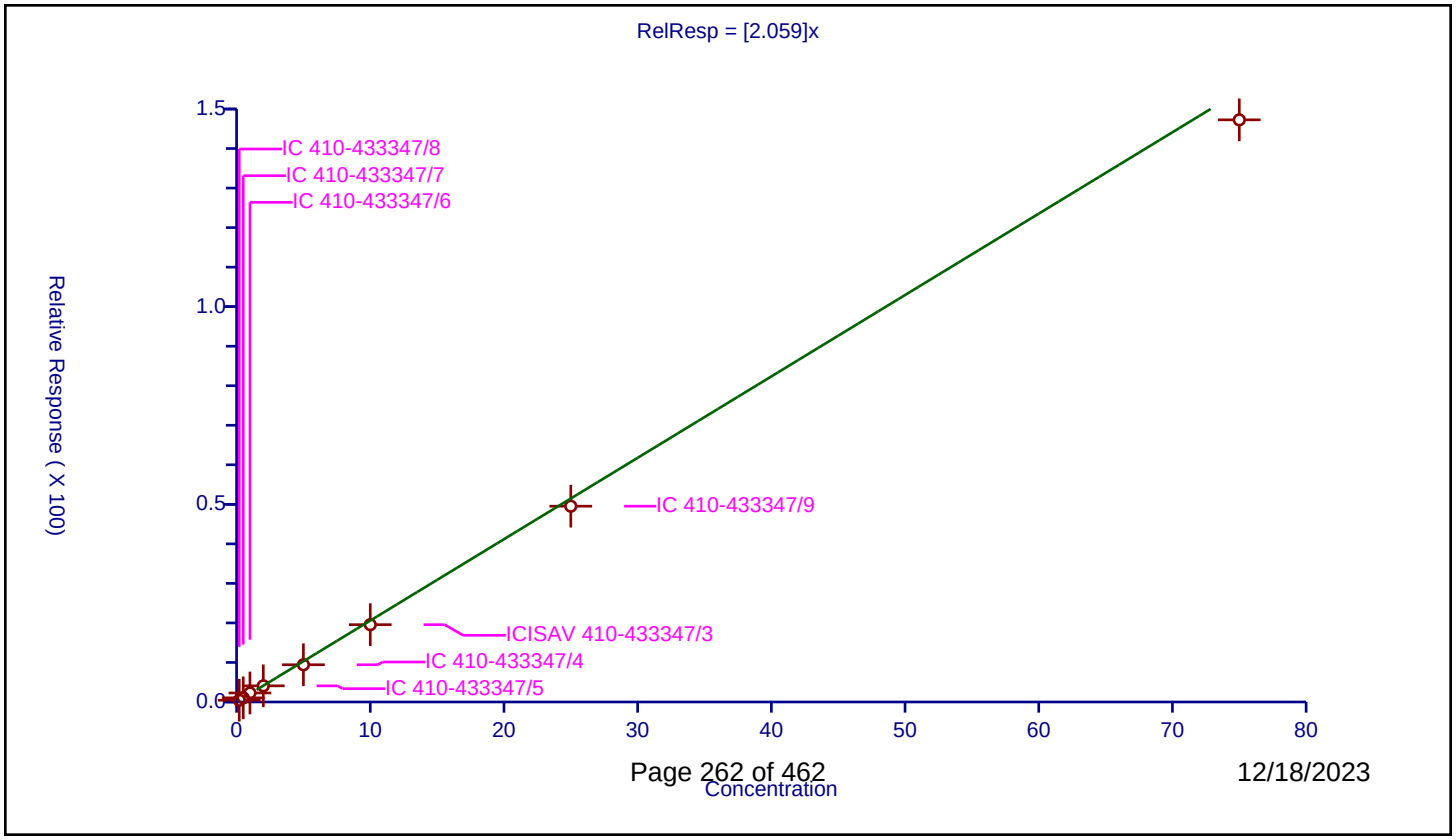
Curve Coefficients

Intercept:	0
Slope:	2.059

Error Coefficients

Standard Error:	777000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.451926	10.0	100658.0	2.259632	Y
2	IC 410-433347/7	0.5	1.050779	10.0	111917.0	2.101557	Y
3	IC 410-433347/6	1.0	2.283937	10.0	102262.0	2.283937	Y
4	IC 410-433347/5	2.0	4.082229	10.0	110812.0	2.041115	Y
5	IC 410-433347/4	5.0	9.417194	10.0	126440.0	1.883439	Y
6	ICISAV 410-433347/3	10.0	19.560487	10.0	126117.0	1.956049	Y
7	IC 410-433347/9	25.0	49.528807	10.0	119590.0	1.981152	Y
8	IC 410-433347/10	75.0	147.260569	10.0	132418.0	1.963474	Y



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

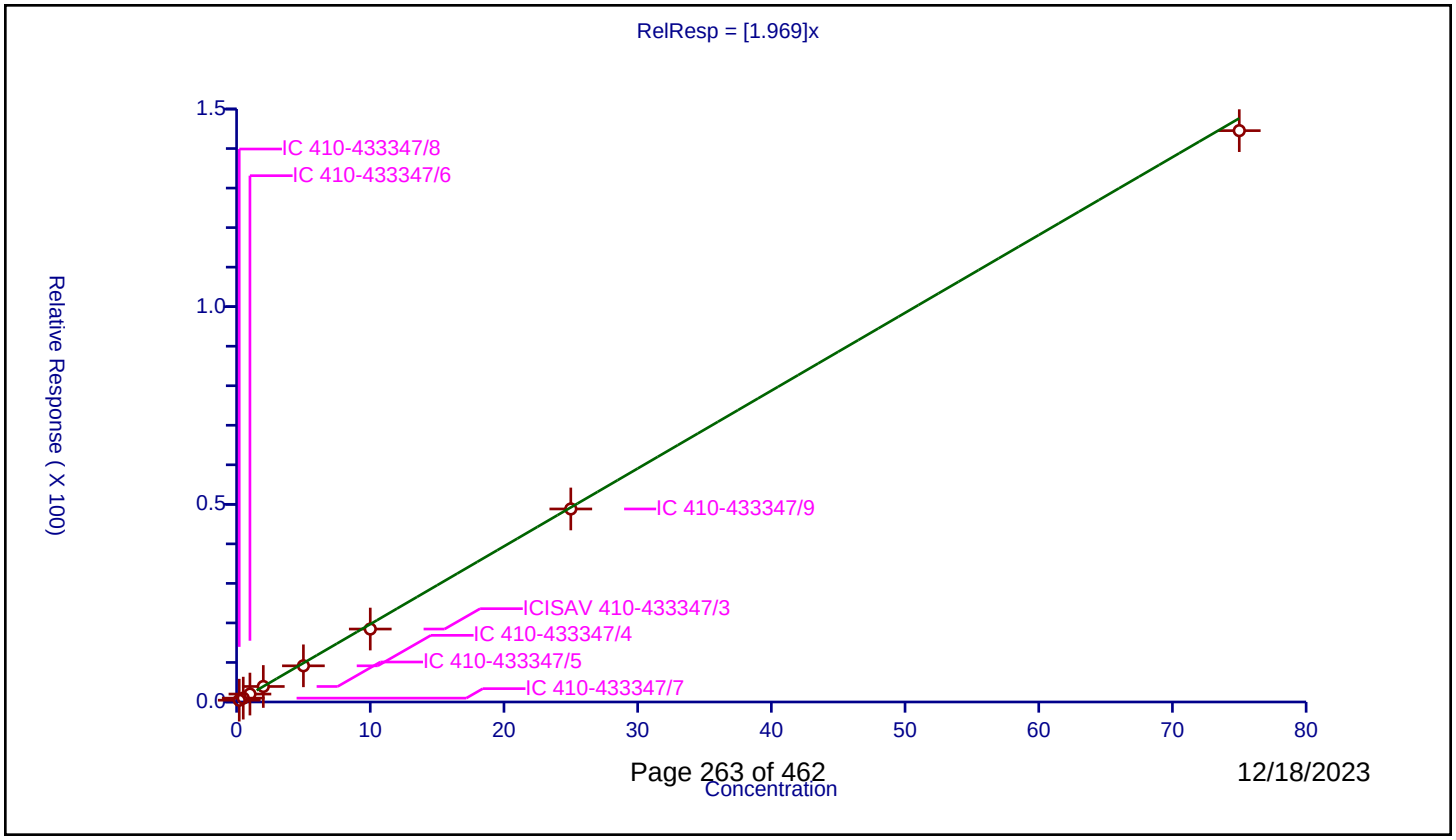
Curve Coefficients

Intercept:	0
Slope:	1.969

Error Coefficients

Standard Error:	763000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.453118	10.0	100658.0	2.265592	Y
2	IC 410-433347/7	0.5	0.977689	10.0	111917.0	1.955378	Y
3	IC 410-433347/6	1.0	2.010131	10.0	102262.0	2.010131	Y
4	IC 410-433347/5	2.0	3.925477	10.0	110812.0	1.962739	Y
5	IC 410-433347/4	5.0	9.151376	10.0	126440.0	1.830275	Y
6	ICISAV 410-433347/3	10.0	18.453896	10.0	126117.0	1.84539	Y
7	IC 410-433347/9	25.0	48.827828	10.0	119590.0	1.953113	Y
8	IC 410-433347/10	75.0	144.531937	10.0	132418.0	1.927092	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

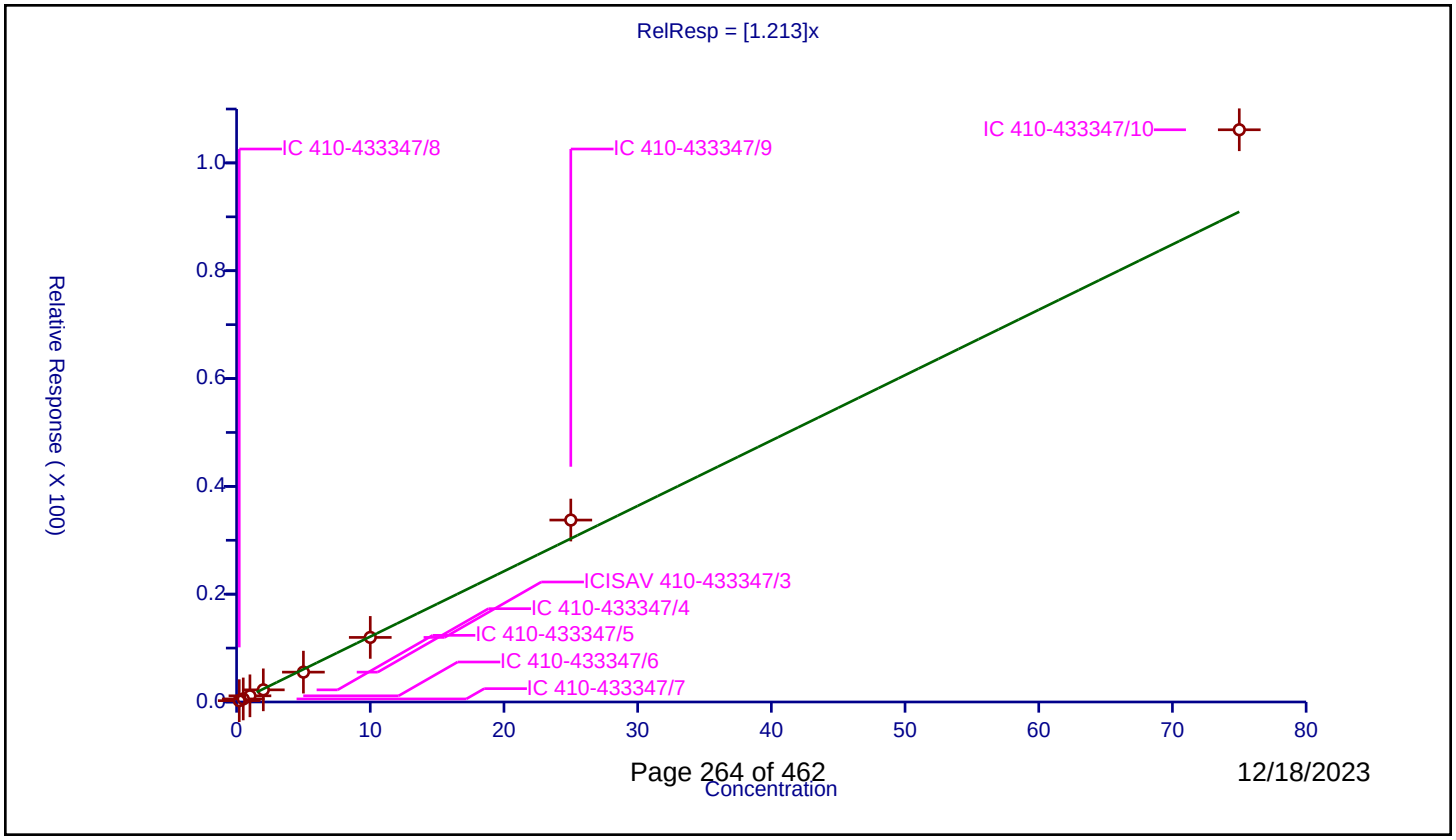
Curve Coefficients

Intercept:	0
Slope:	1.213

Error Coefficients

Standard Error:	556000
Relative Standard Error:	9.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.244392	10.0	100658.0	1.22196	Y
2	IC 410-433347/7	0.5	0.566849	10.0	111917.0	1.133697	Y
3	IC 410-433347/6	1.0	1.147249	10.0	102262.0	1.147249	Y
4	IC 410-433347/5	2.0	2.254268	10.0	110812.0	1.127134	Y
5	IC 410-433347/4	5.0	5.537567	10.0	126440.0	1.107513	Y
6	ICISAV 410-433347/3	10.0	11.977132	10.0	126117.0	1.197713	Y
7	IC 410-433347/9	25.0	33.747387	10.0	119590.0	1.349895	Y
8	IC 410-433347/10	75.0	106.150976	10.0	132418.0	1.415346	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

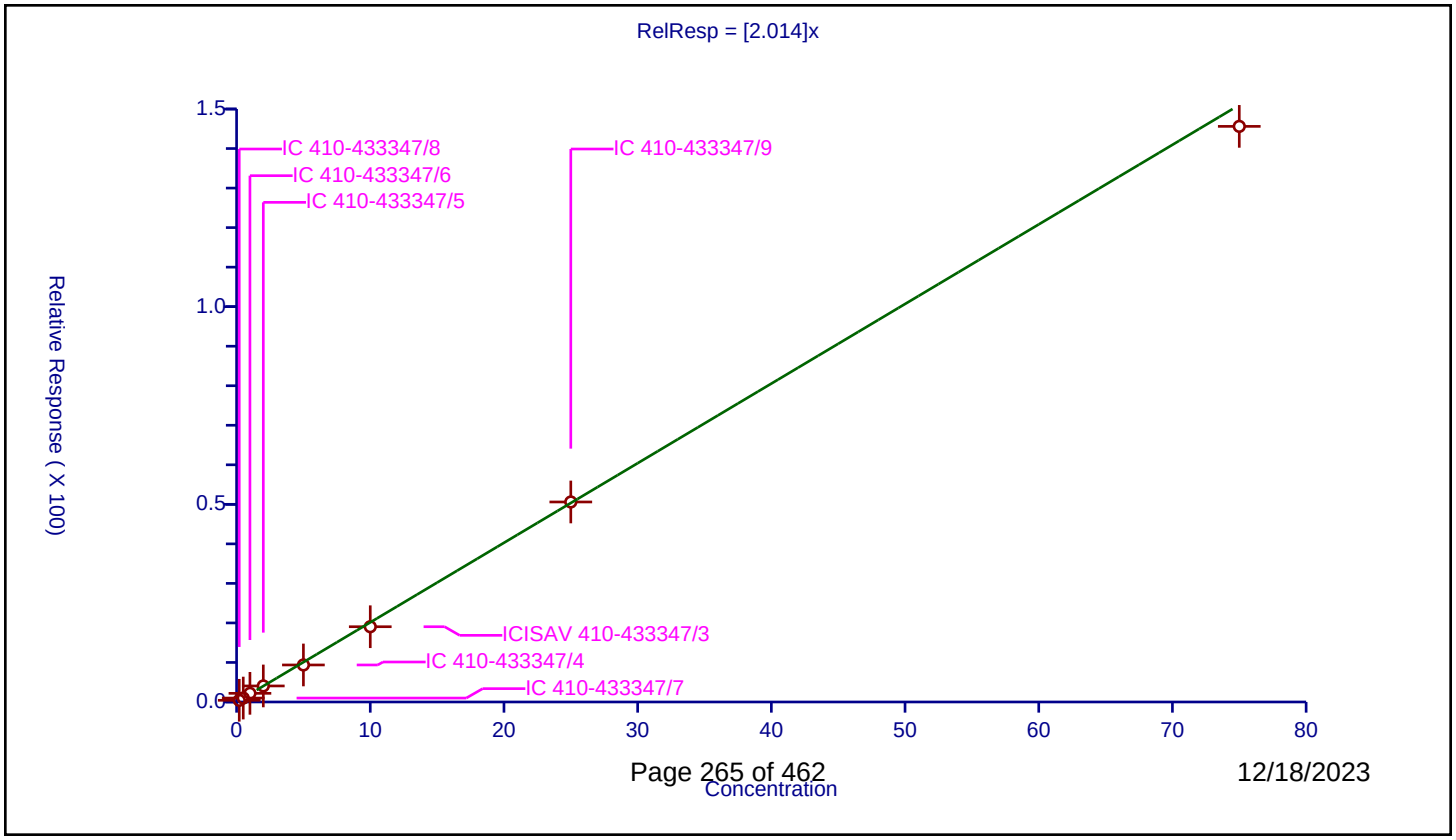
Curve Coefficients

Intercept:	0
Slope:	2.014

Error Coefficients

Standard Error:	771000
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 410-433347/8	0.2	0.430567	10.0	100658.0	2.152834	Y
2	IC 410-433347/7	0.5	0.996989	10.0	111917.0	1.993978	Y
3	IC 410-433347/6	1.0	2.188887	10.0	102262.0	2.188887	Y
4	IC 410-433347/5	2.0	4.06003	10.0	110812.0	2.030015	Y
5	IC 410-433347/4	5.0	9.363809	10.0	126440.0	1.872762	Y
6	ICISAV 410-433347/3	10.0	19.042476	10.0	126117.0	1.904248	Y
7	IC 410-433347/9	25.0	50.5952	10.0	119590.0	2.023808	Y
8	IC 410-433347/10	75.0	145.611322	10.0	132418.0	1.941484	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

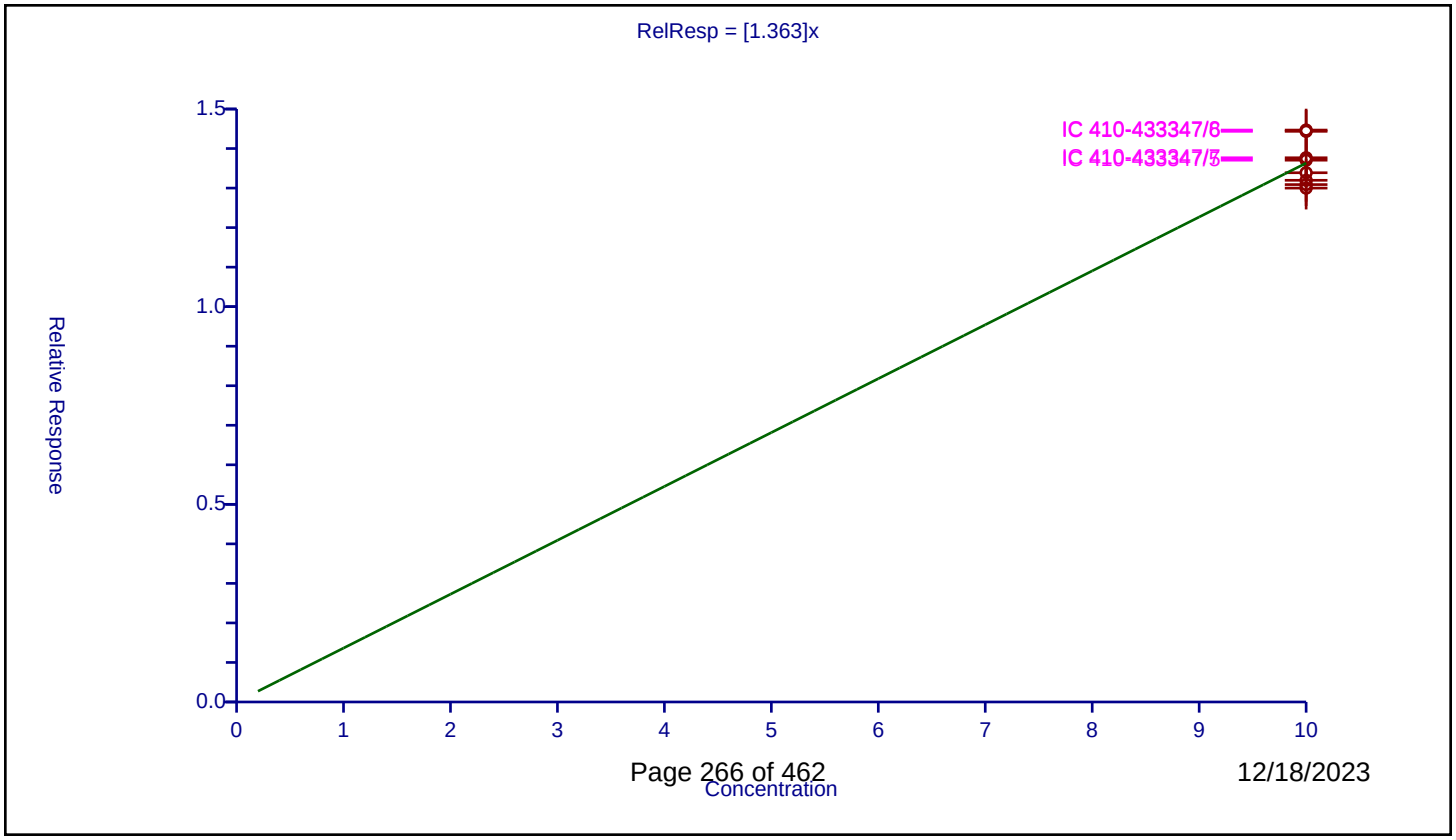
Curve Coefficients

Intercept:	0
Slope:	1.363

Error Coefficients

Standard Error:	169000
Relative Standard Error:	4.2
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICISAV 410-433347/3	10.0	13.387965	10.0	126117.0	1.338797	Y
2	IC 410-433347/4	10.0	13.088184	10.0	126440.0	1.308818	Y
3	IC 410-433347/5	10.0	13.705826	10.0	110812.0	1.370583	Y
4	IC 410-433347/6	10.0	14.435176	10.0	102262.0	1.443518	Y
5	IC 410-433347/7	10.0	13.766988	10.0	111917.0	1.376699	Y
6	IC 410-433347/8	10.0	14.468001	10.0	100658.0	1.4468	Y
7	IC 410-433347/9	10.0	13.197174	10.0	119590.0	1.319717	Y
8	IC 410-433347/10	10.0	12.999441	10.0	132418.0	1.299944	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

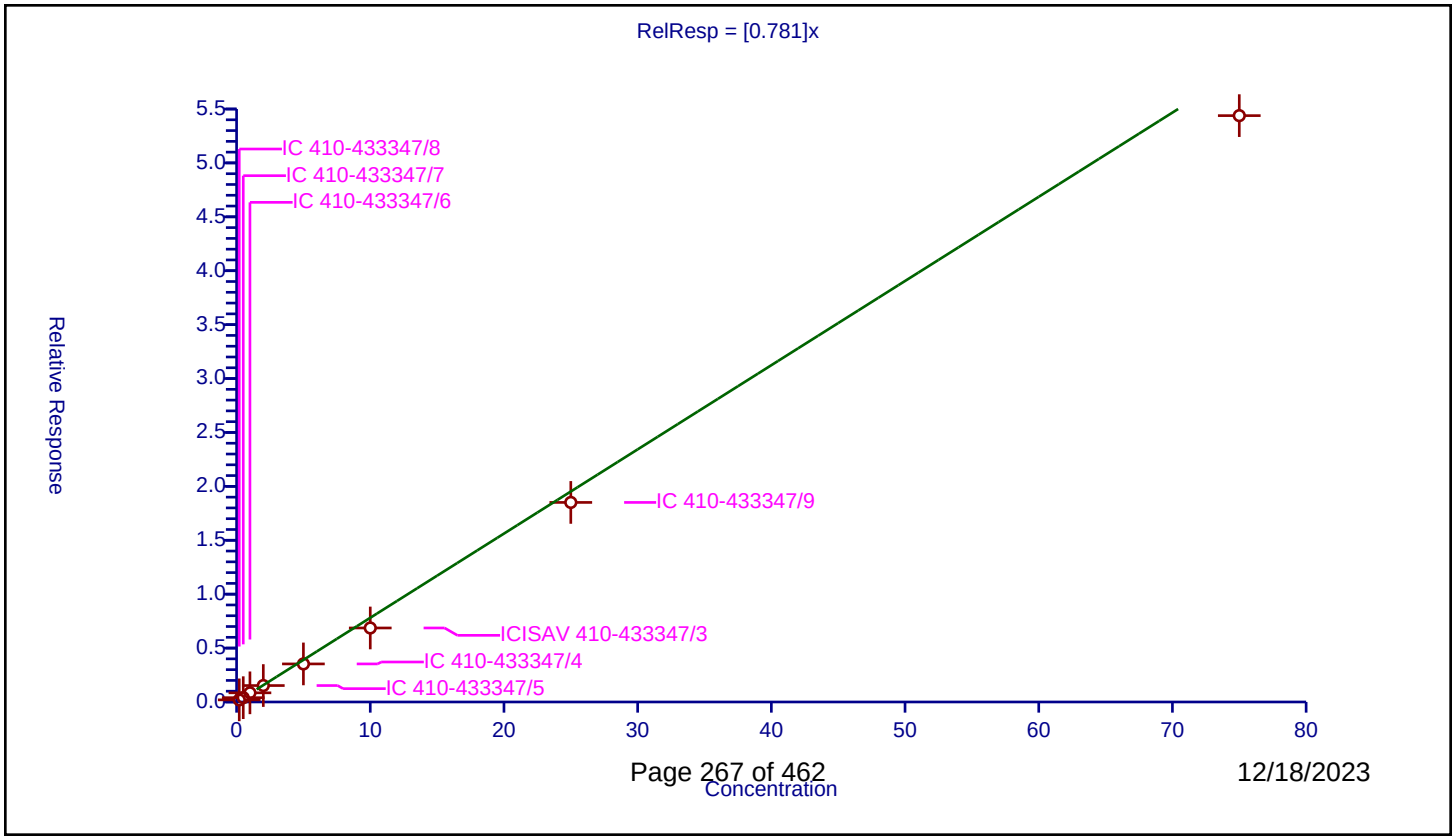
Curve Coefficients

Intercept:	0
Slope:	0.781

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	12.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.195418	10.0	394283.0	0.97709	Y
2	IC 410-433347/7	0.5	0.400657	10.0	414319.0	0.801315	Y
3	IC 410-433347/6	1.0	0.849093	10.0	425513.0	0.849093	Y
4	IC 410-433347/5	2.0	1.524375	10.0	454160.0	0.762187	Y
5	IC 410-433347/4	5.0	3.530157	10.0	485732.0	0.706031	Y
6	ICISAV 410-433347/3	10.0	6.863931	10.0	520046.0	0.686393	Y
7	IC 410-433347/9	25.0	18.509254	10.0	490828.0	0.74037	Y
8	IC 410-433347/10	75.0	54.386099	10.0	537359.0	0.725148	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

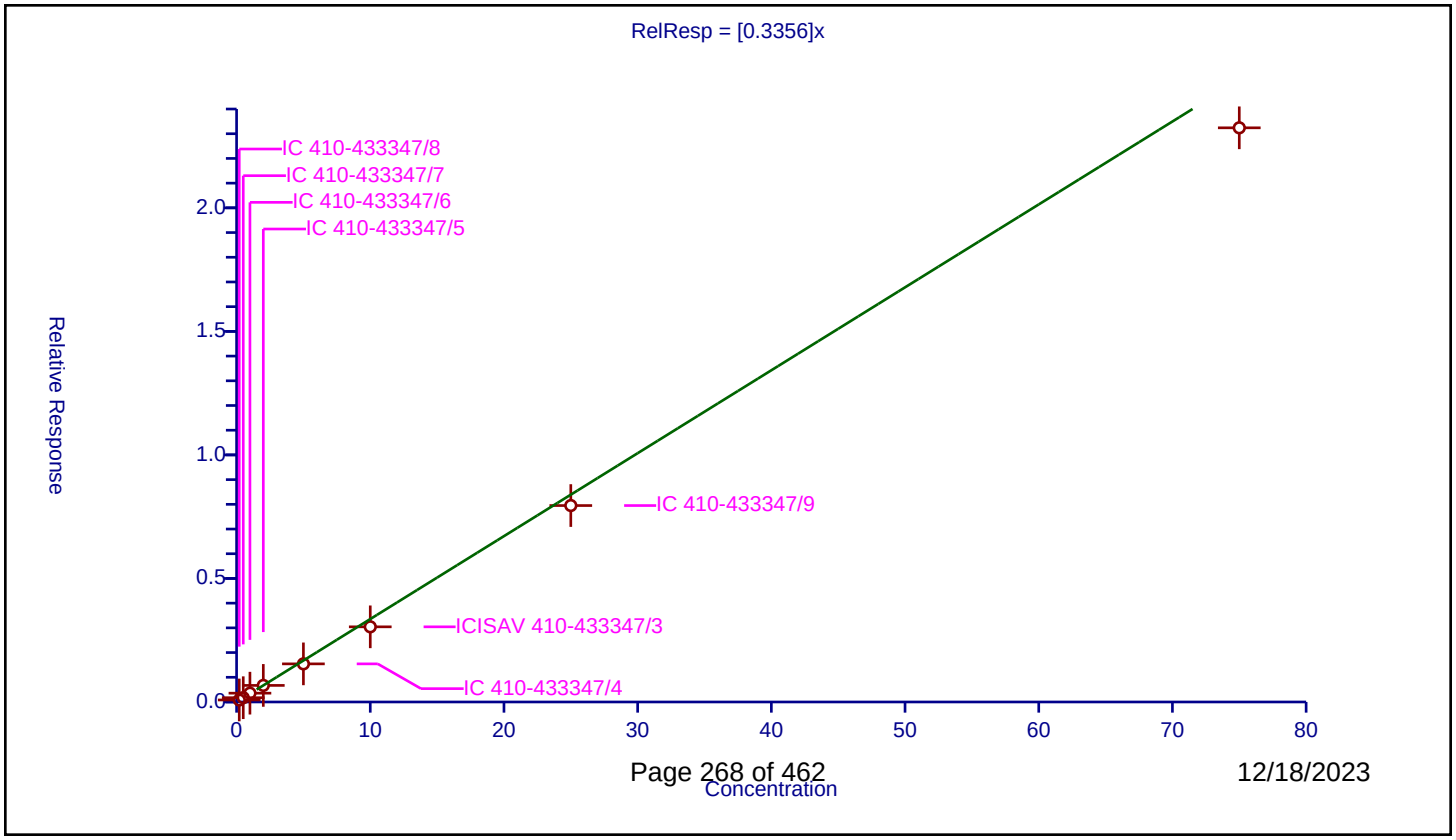
Curve Coefficients

Intercept:	0
Slope:	0.3356

Error Coefficients

Standard Error:	499000
Relative Standard Error:	10.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.081363	10.0	394283.0	0.406814	Y
2	IC 410-433347/7	0.5	0.172741	10.0	414319.0	0.345483	Y
3	IC 410-433347/6	1.0	0.356393	10.0	425513.0	0.356393	Y
4	IC 410-433347/5	2.0	0.671283	10.0	454160.0	0.335642	Y
5	IC 410-433347/4	5.0	1.543155	10.0	485732.0	0.308631	Y
6	ICISAV 410-433347/3	10.0	3.042192	10.0	520046.0	0.304219	Y
7	IC 410-433347/9	25.0	7.950912	10.0	490828.0	0.318036	Y
8	IC 410-433347/10	75.0	23.239454	10.0	537359.0	0.309859	Y



Calibration / Isooctane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

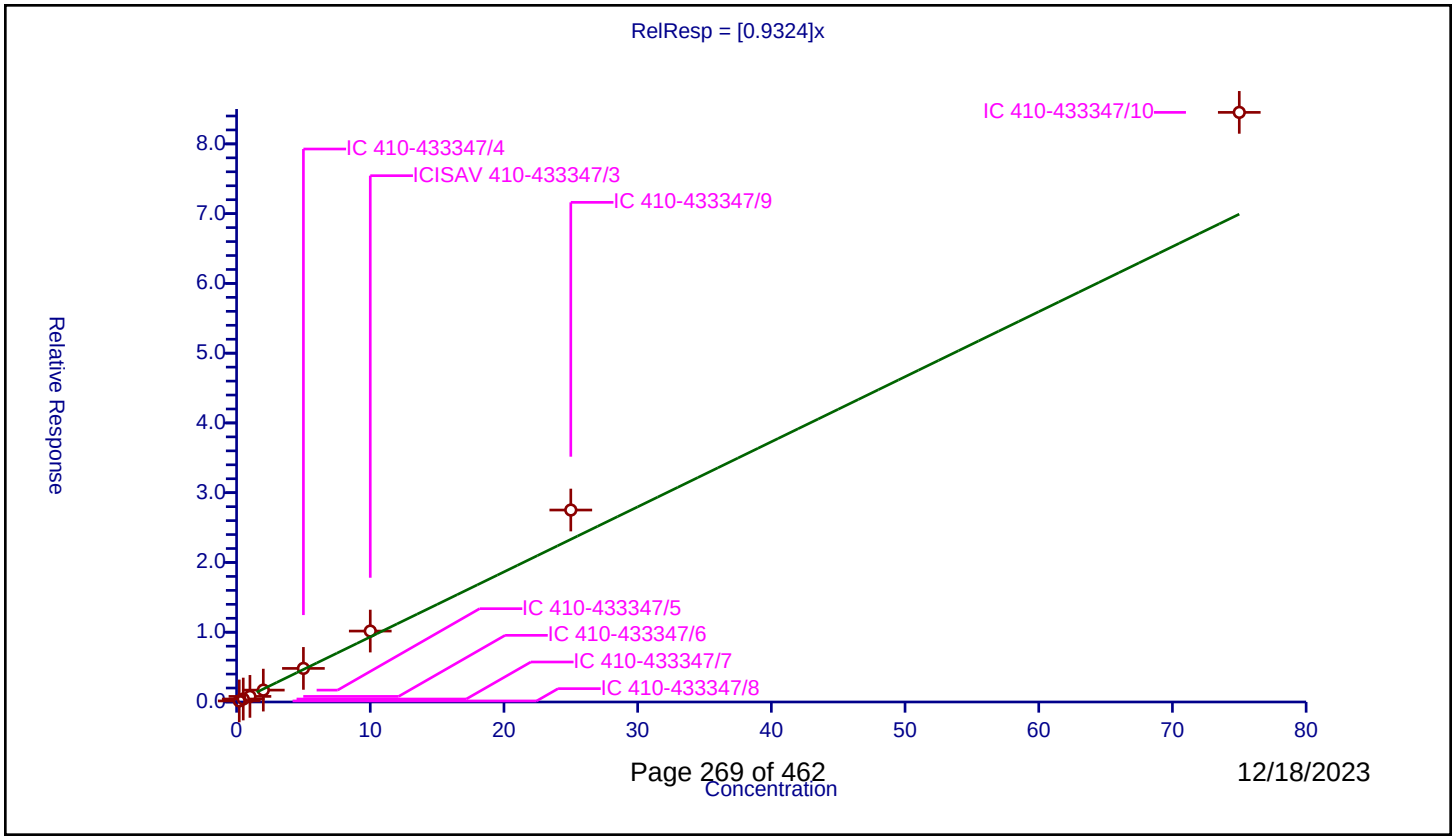
Curve Coefficients

Intercept:	0
Slope:	0.9324

Error Coefficients

Standard Error:	1800000
Relative Standard Error:	15.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.150045	10.0	394283.0	0.750223	Y
2	IC 410-433347/7	0.5	0.424528	10.0	414319.0	0.849056	Y
3	IC 410-433347/6	1.0	0.802725	10.0	425513.0	0.802725	Y
4	IC 410-433347/5	2.0	1.701779	10.0	454160.0	0.85089	Y
5	IC 410-433347/4	5.0	4.81286	10.0	485732.0	0.962572	Y
6	ICISAV 410-433347/3	10.0	10.164889	10.0	520046.0	1.016489	Y
7	IC 410-433347/9	25.0	27.515749	10.0	490828.0	1.10063	Y
8	IC 410-433347/10	75.0	84.51778	10.0	537359.0	1.126904	Y



Calibration / Tert-amyl methyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

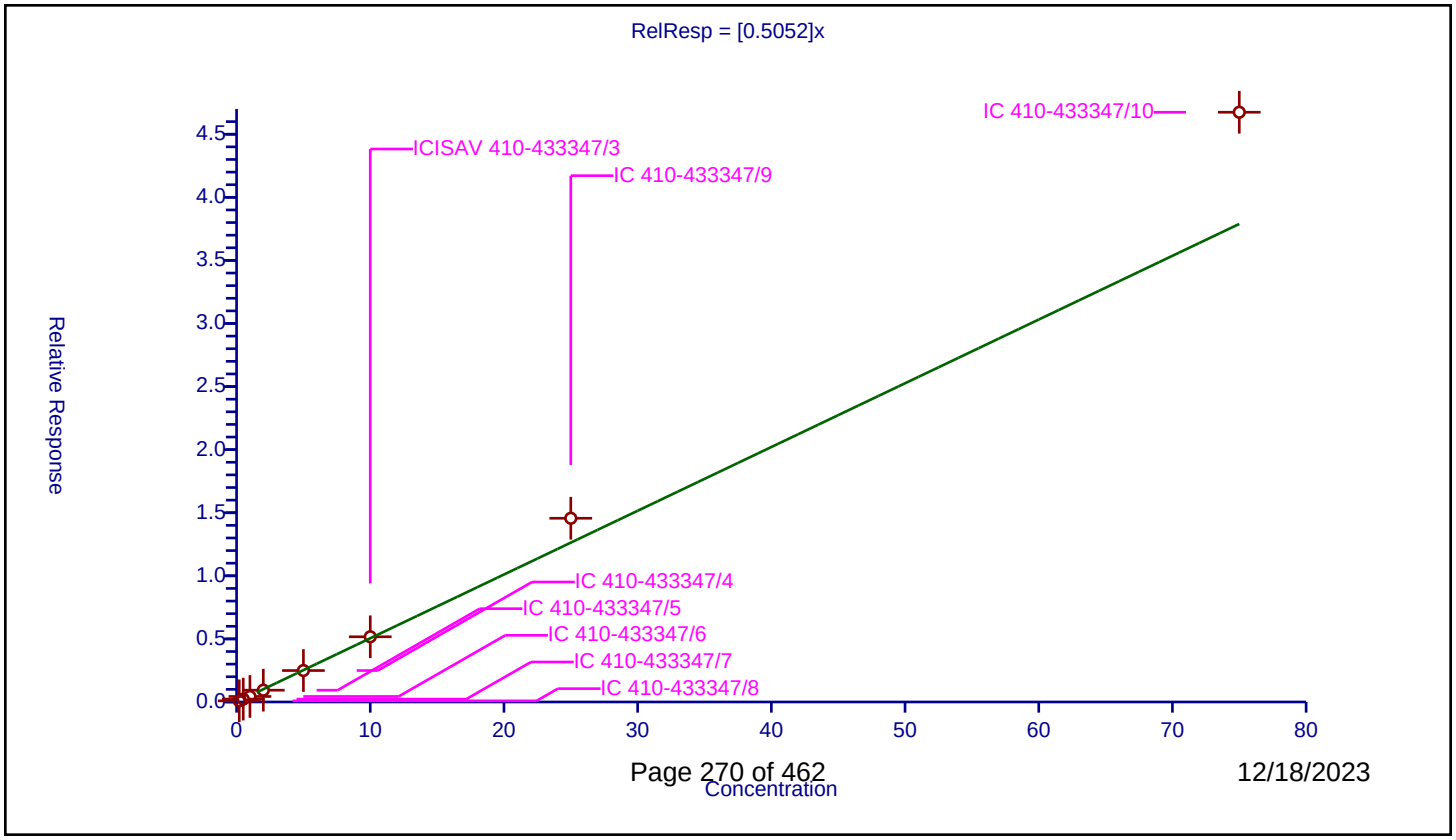
Curve Coefficients

Intercept:	0
Slope:	0.5052

Error Coefficients

Standard Error:	994000
Relative Standard Error:	13.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.091584	10.0	394283.0	0.45792	Y
2	IC 410-433347/7	0.5	0.228399	10.0	414319.0	0.456798	Y
3	IC 410-433347/6	1.0	0.437589	10.0	425513.0	0.437589	Y
4	IC 410-433347/5	2.0	0.935816	10.0	454160.0	0.467908	Y
5	IC 410-433347/4	5.0	2.493927	10.0	485732.0	0.498785	Y
6	ICISAV 410-433347/3	10.0	5.169024	10.0	520046.0	0.516902	Y
7	IC 410-433347/9	25.0	14.562046	10.0	490828.0	0.582482	Y
8	IC 410-433347/10	75.0	46.745025	10.0	537359.0	0.623267	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

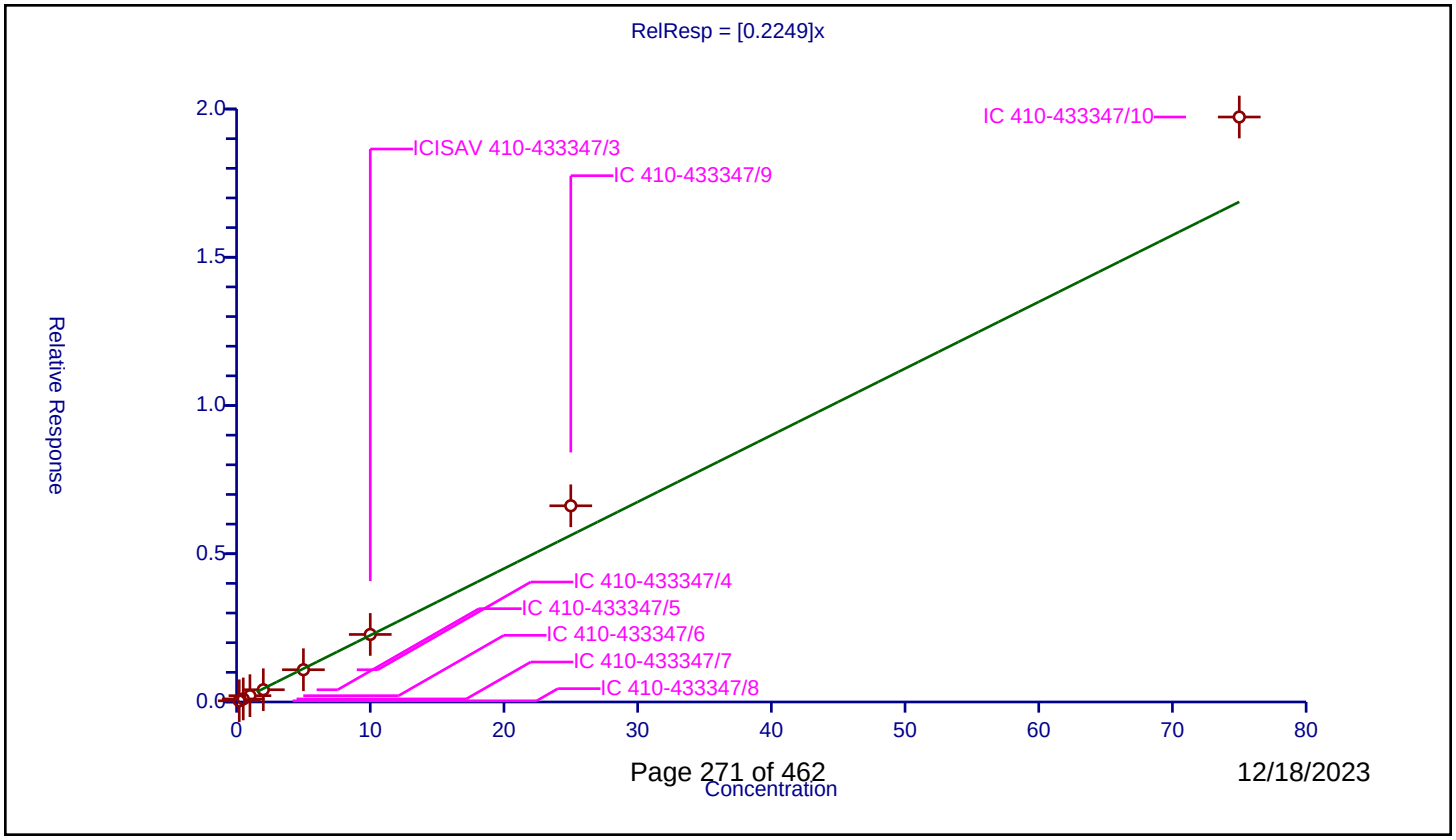
Curve Coefficients

Intercept:	0
Slope:	0.2249

Error Coefficients

Standard Error:	422000
Relative Standard Error:	11.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.04025	10.0	394283.0	0.201251	Y
2	IC 410-433347/7	0.5	0.102916	10.0	414319.0	0.205832	Y
3	IC 410-433347/6	1.0	0.212637	10.0	425513.0	0.212637	Y
4	IC 410-433347/5	2.0	0.413004	10.0	454160.0	0.206502	Y
5	IC 410-433347/4	5.0	1.087657	10.0	485732.0	0.217531	Y
6	ICISAV 410-433347/3	10.0	2.277818	10.0	520046.0	0.227782	Y
7	IC 410-433347/9	25.0	6.617552	10.0	490828.0	0.264702	Y
8	IC 410-433347/10	75.0	19.729827	10.0	537359.0	0.263064	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

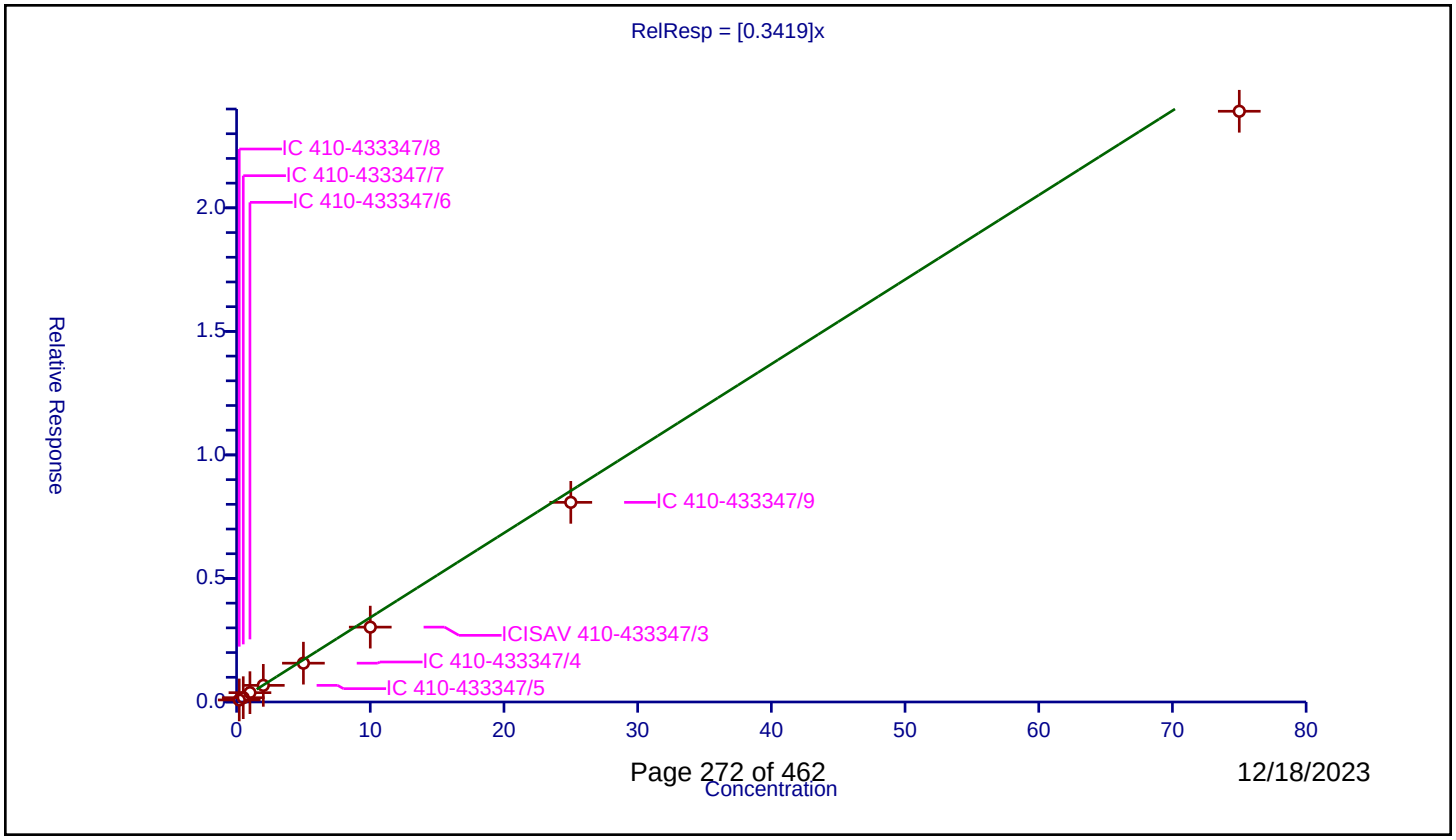
Curve Coefficients

Intercept:	0
Slope:	0.3419

Error Coefficients

Standard Error:	513000
Relative Standard Error:	10.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.082707	10.0	394283.0	0.413535	Y
2	IC 410-433347/7	0.5	0.174286	10.0	414319.0	0.348572	Y
3	IC 410-433347/6	1.0	0.377427	10.0	425513.0	0.377427	Y
4	IC 410-433347/5	2.0	0.673287	10.0	454160.0	0.336643	Y
5	IC 410-433347/4	5.0	1.570702	10.0	485732.0	0.31414	Y
6	ICISAV 410-433347/3	10.0	3.030001	10.0	520046.0	0.303	Y
7	IC 410-433347/9	25.0	8.080692	10.0	490828.0	0.323228	Y
8	IC 410-433347/10	75.0	23.909249	10.0	537359.0	0.31879	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

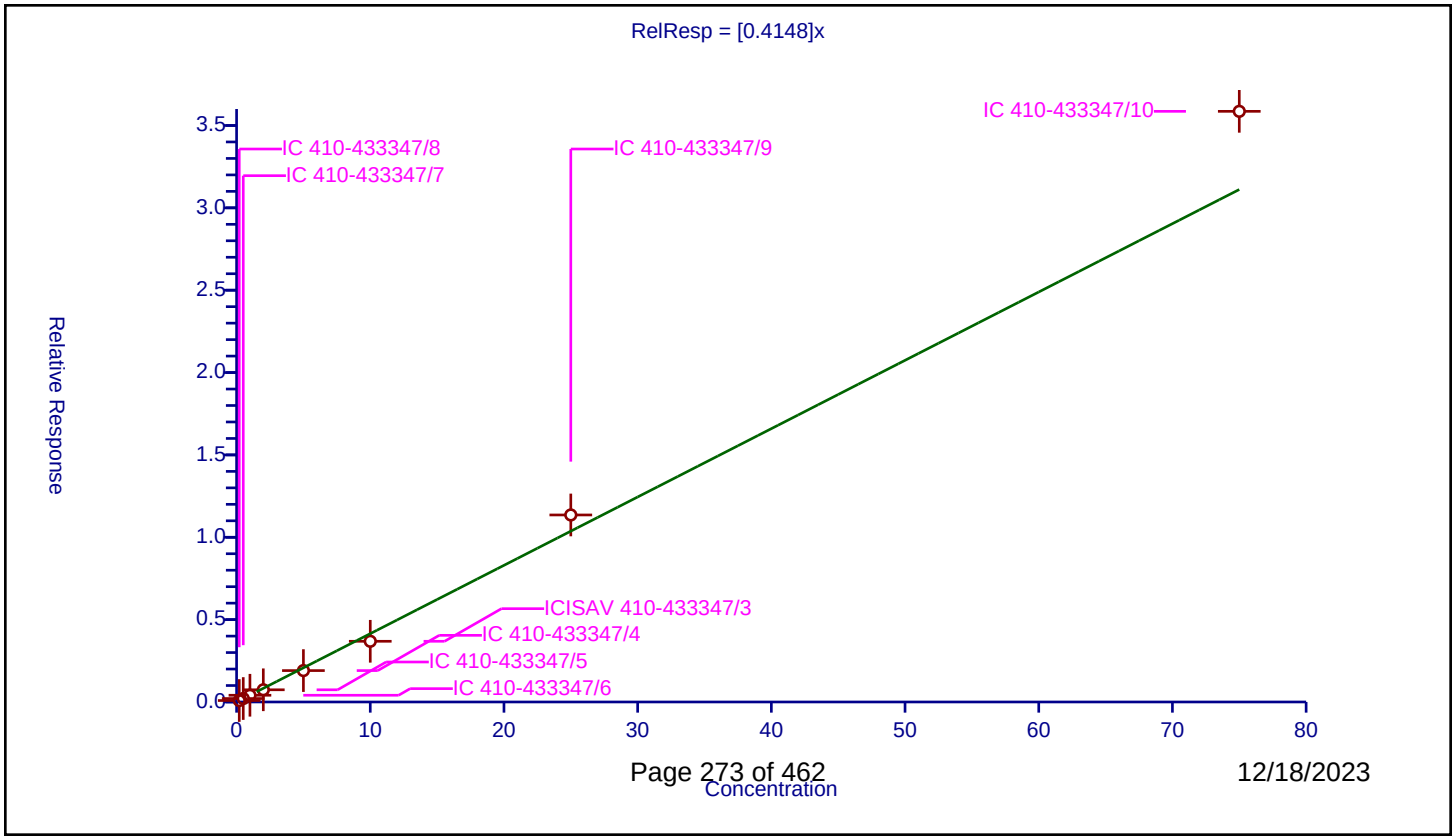
Curve Coefficients

Intercept:	0
Slope:	0.4148

Error Coefficients

Standard Error:	763000
Relative Standard Error:	9.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.087627	10.0	394283.0	0.438137	Y
2	IC 410-433347/7	0.5	0.209573	10.0	414319.0	0.419146	Y
3	IC 410-433347/6	1.0	0.409012	10.0	425513.0	0.409012	Y
4	IC 410-433347/5	2.0	0.740268	10.0	454160.0	0.370134	Y
5	IC 410-433347/4	5.0	1.906833	10.0	485732.0	0.381367	Y
6	ICISAV 410-433347/3	10.0	3.685924	10.0	520046.0	0.368592	Y
7	IC 410-433347/9	25.0	11.354955	10.0	490828.0	0.454198	Y
8	IC 410-433347/10	75.0	35.859044	10.0	537359.0	0.478121	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

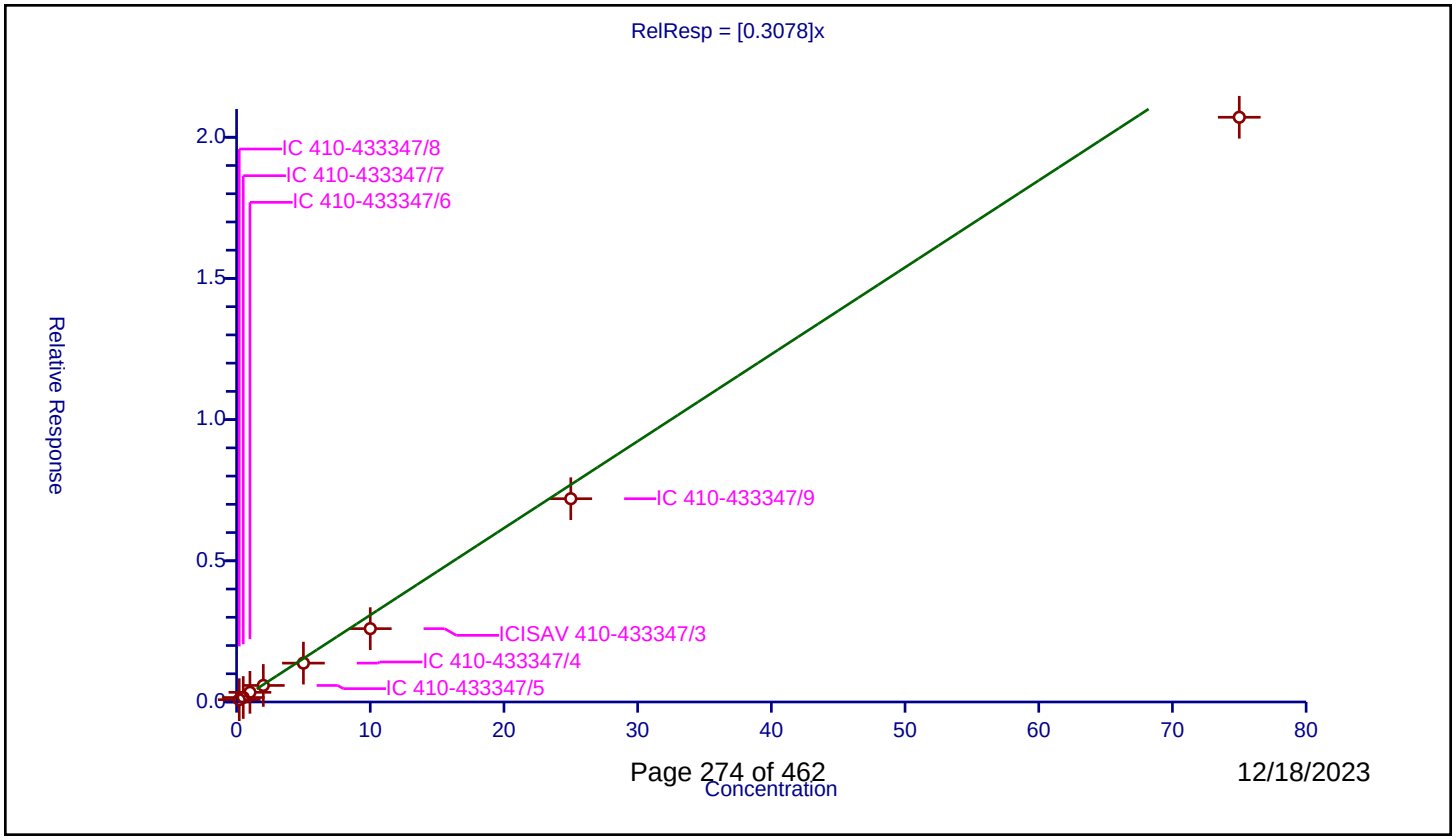
Curve Coefficients

Intercept:	0
Slope:	0.3078

Error Coefficients

Standard Error:	445000
Relative Standard Error:	15.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.960

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.082124	10.0	394283.0	0.410619	Y
2	IC 410-433347/7	0.5	0.158622	10.0	414319.0	0.317243	Y
3	IC 410-433347/6	1.0	0.342528	10.0	425513.0	0.342528	Y
4	IC 410-433347/5	2.0	0.586115	10.0	454160.0	0.293058	Y
5	IC 410-433347/4	5.0	1.376438	10.0	485732.0	0.275288	Y
6	ICISAV 410-433347/3	10.0	2.597924	10.0	520046.0	0.259792	Y
7	IC 410-433347/9	25.0	7.199671	10.0	490828.0	0.287987	Y
8	IC 410-433347/10	75.0	20.708428	10.0	537359.0	0.276112	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

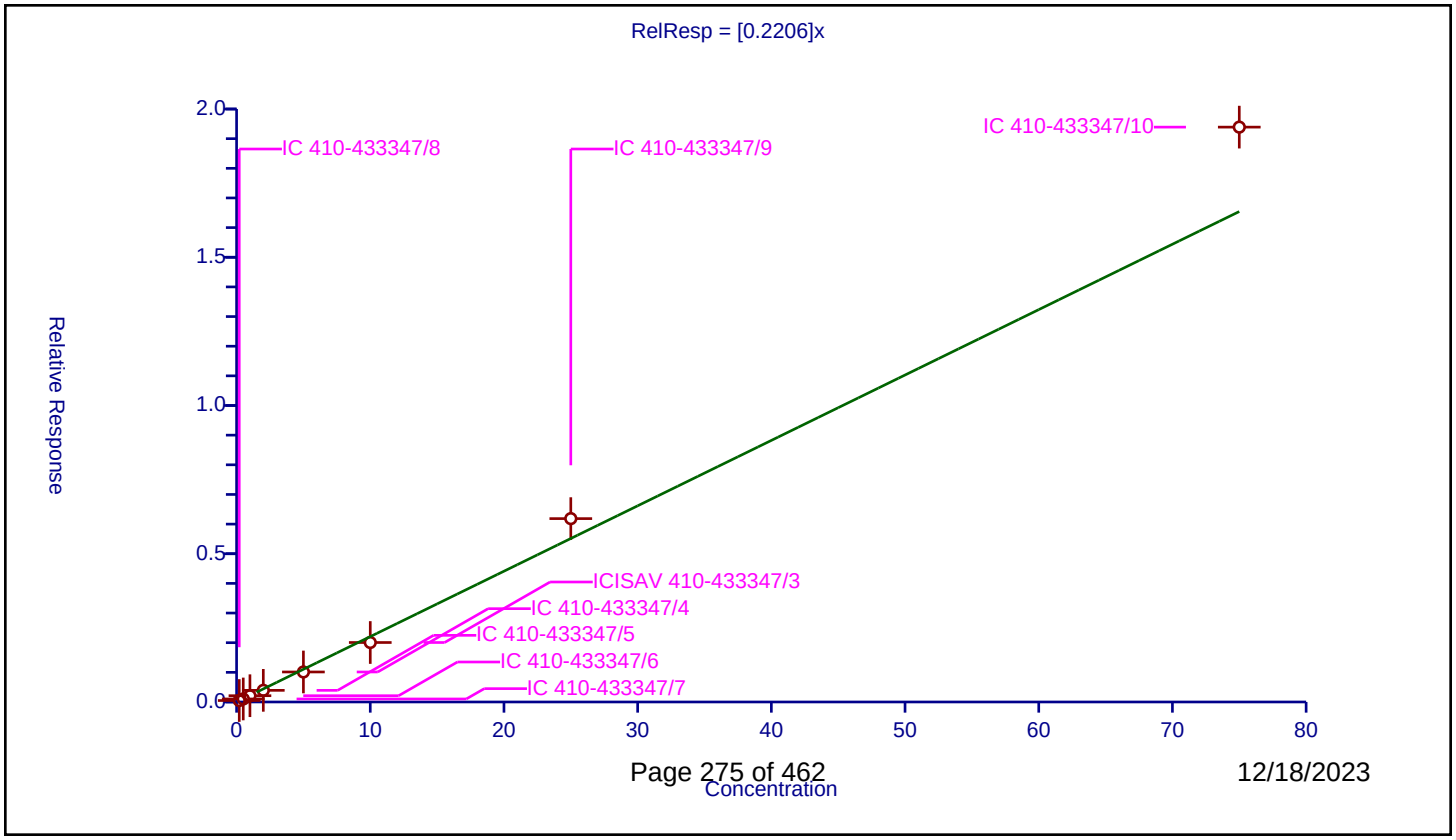
Curve Coefficients

Intercept:	0
Slope:	0.2206

Error Coefficients

Standard Error:	413000
Relative Standard Error:	11.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.048721	10.0	394283.0	0.243607	Y
2	IC 410-433347/7	0.5	0.101902	10.0	414319.0	0.203804	Y
3	IC 410-433347/6	1.0	0.211791	10.0	425513.0	0.211791	Y
4	IC 410-433347/5	2.0	0.392439	10.0	454160.0	0.196219	Y
5	IC 410-433347/4	5.0	1.012451	10.0	485732.0	0.20249	Y
6	ICISAV 410-433347/3	10.0	2.00638	10.0	520046.0	0.200638	Y
7	IC 410-433347/9	25.0	6.184835	10.0	490828.0	0.247393	Y
8	IC 410-433347/10	75.0	19.389254	10.0	537359.0	0.258523	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

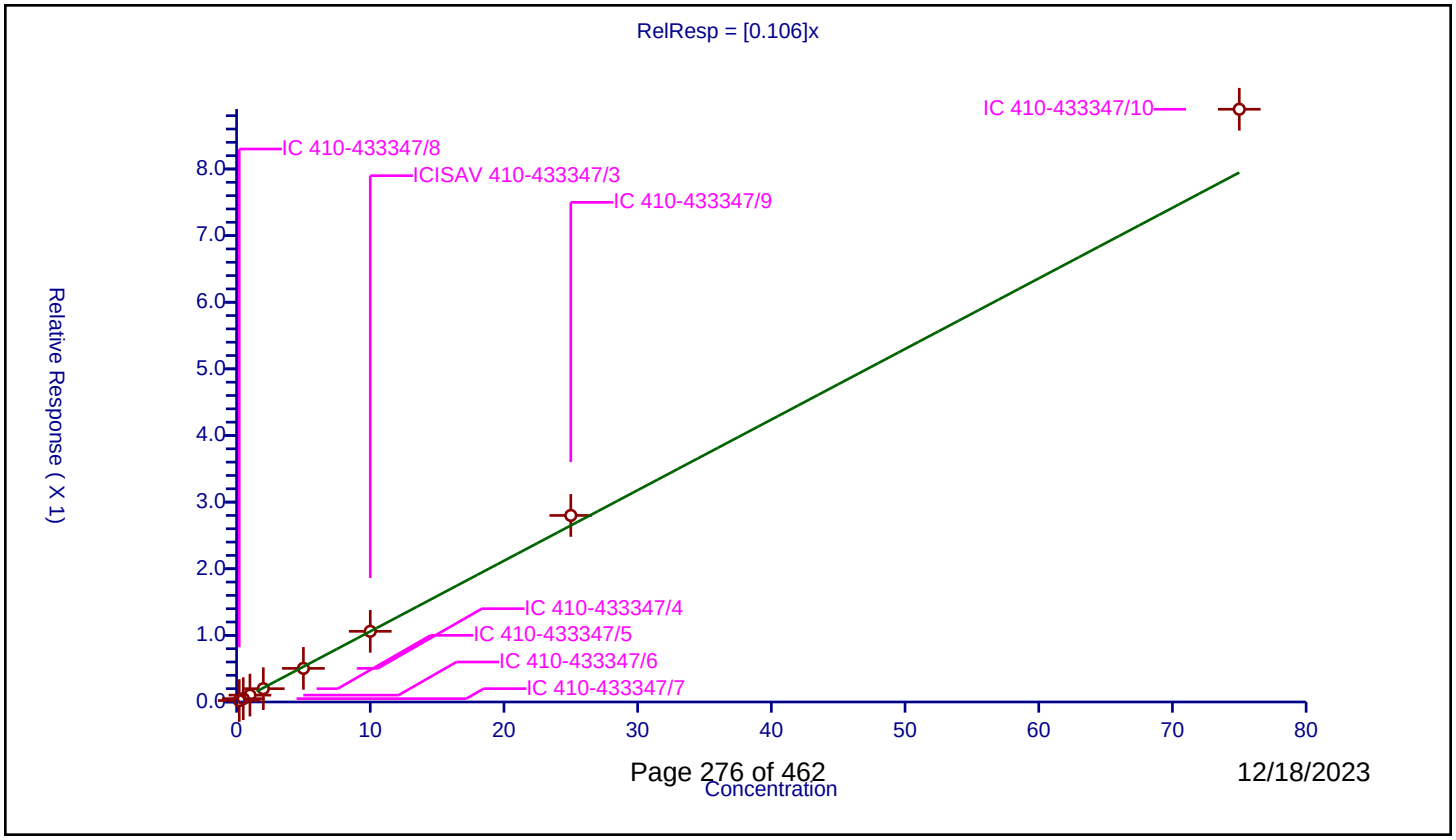
Curve Coefficients

Intercept:	0
Slope:	0.106

Error Coefficients

Standard Error:	189000
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.021304	10.0	394283.0	0.106522	Y
2	IC 410-433347/7	0.5	0.05042	10.0	414319.0	0.10084	Y
3	IC 410-433347/6	1.0	0.102864	10.0	425513.0	0.102864	Y
4	IC 410-433347/5	2.0	0.199665	10.0	454160.0	0.099833	Y
5	IC 410-433347/4	5.0	0.504455	10.0	485732.0	0.100891	Y
6	ICISAV 410-433347/3	10.0	1.061022	10.0	520046.0	0.106102	Y
7	IC 410-433347/9	25.0	2.799963	10.0	490828.0	0.111999	Y
8	IC 410-433347/10	75.0	8.896436	10.0	537359.0	0.118619	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

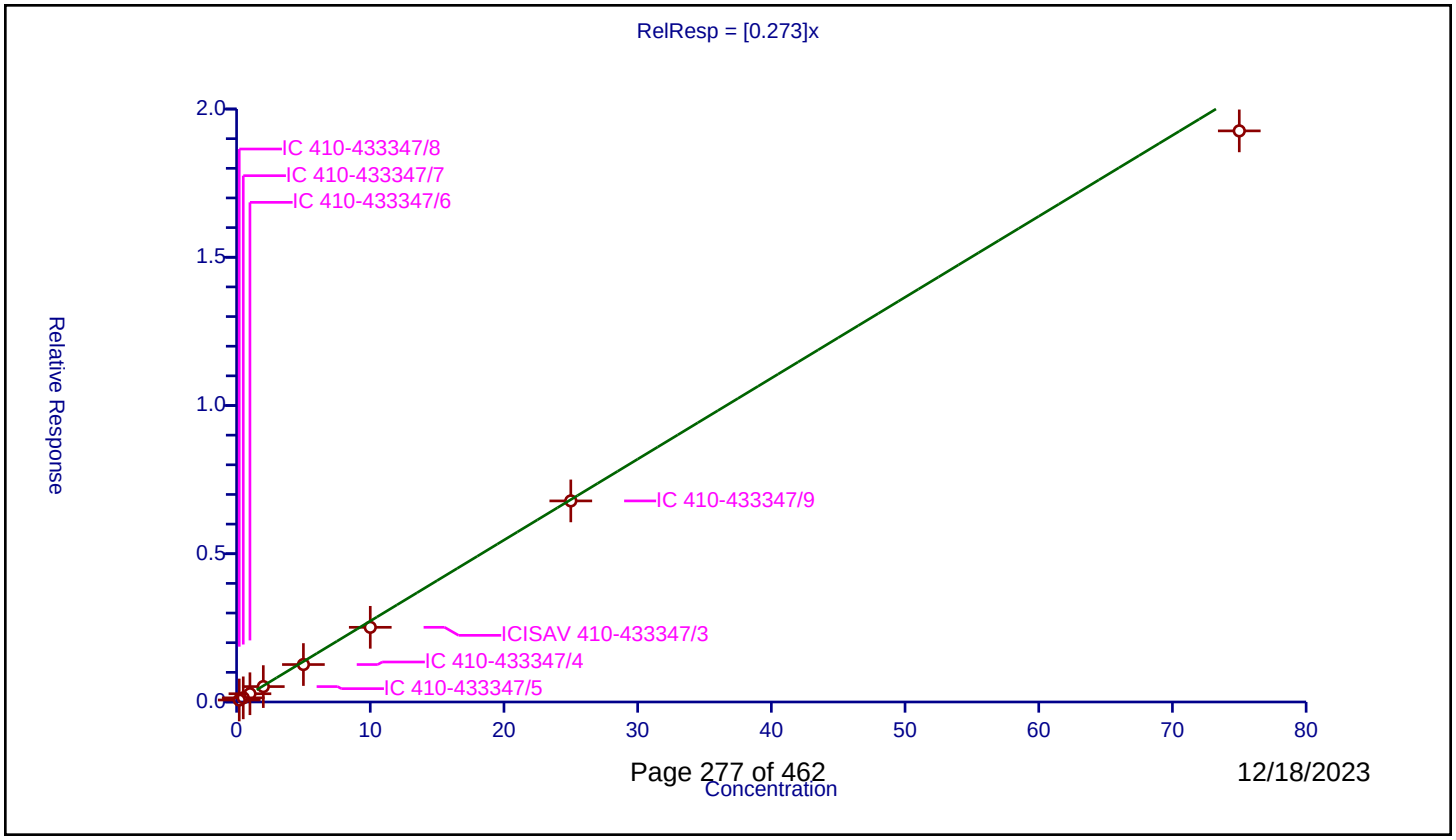
Curve Coefficients

Intercept:	0
Slope:	0.273

Error Coefficients

Standard Error:	415000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.066678	10.0	394283.0	0.33339	Y
2	IC 410-433347/7	0.5	0.139796	10.0	414319.0	0.279591	Y
3	IC 410-433347/6	1.0	0.278652	10.0	425513.0	0.278652	Y
4	IC 410-433347/5	2.0	0.519509	10.0	454160.0	0.259754	Y
5	IC 410-433347/4	5.0	1.263577	10.0	485732.0	0.252715	Y
6	ICISAV 410-433347/3	10.0	2.518412	10.0	520046.0	0.251841	Y
7	IC 410-433347/9	25.0	6.782437	10.0	490828.0	0.271297	Y
8	IC 410-433347/10	75.0	19.262225	10.0	537359.0	0.25683	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

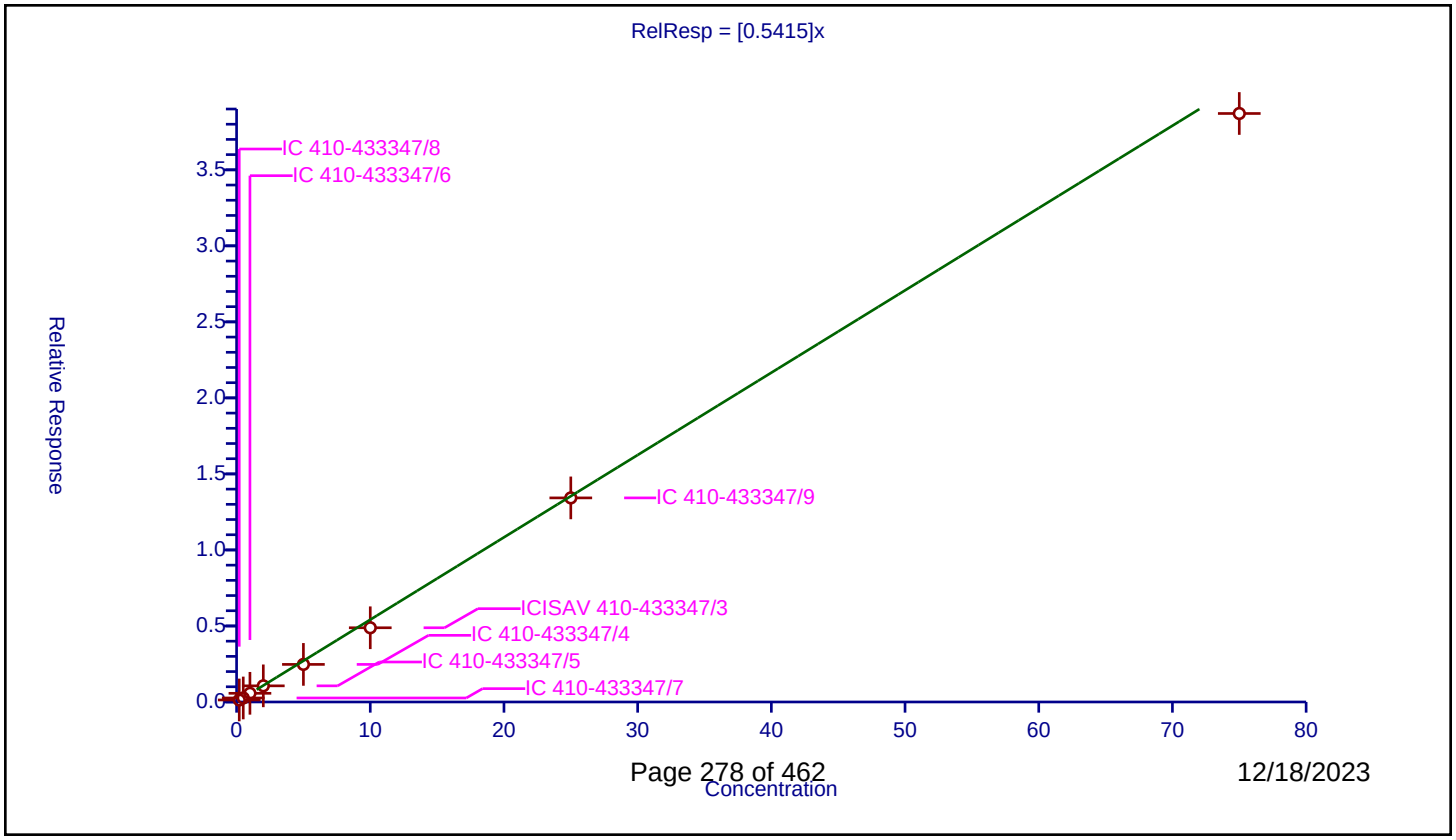
Curve Coefficients

Intercept:	0
Slope:	0.5415

Error Coefficients

Standard Error:	832000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.133052	10.0	394283.0	0.665258	Y
2	IC 410-433347/7	0.5	0.264265	10.0	414319.0	0.52853	Y
3	IC 410-433347/6	1.0	0.570981	10.0	425513.0	0.570981	Y
4	IC 410-433347/5	2.0	1.062379	10.0	454160.0	0.531189	Y
5	IC 410-433347/4	5.0	2.472742	10.0	485732.0	0.494548	Y
6	ICISAV 410-433347/3	10.0	4.881434	10.0	520046.0	0.488143	Y
7	IC 410-433347/9	25.0	13.424092	10.0	490828.0	0.536964	Y
8	IC 410-433347/10	75.0	38.70513	10.0	537359.0	0.516068	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

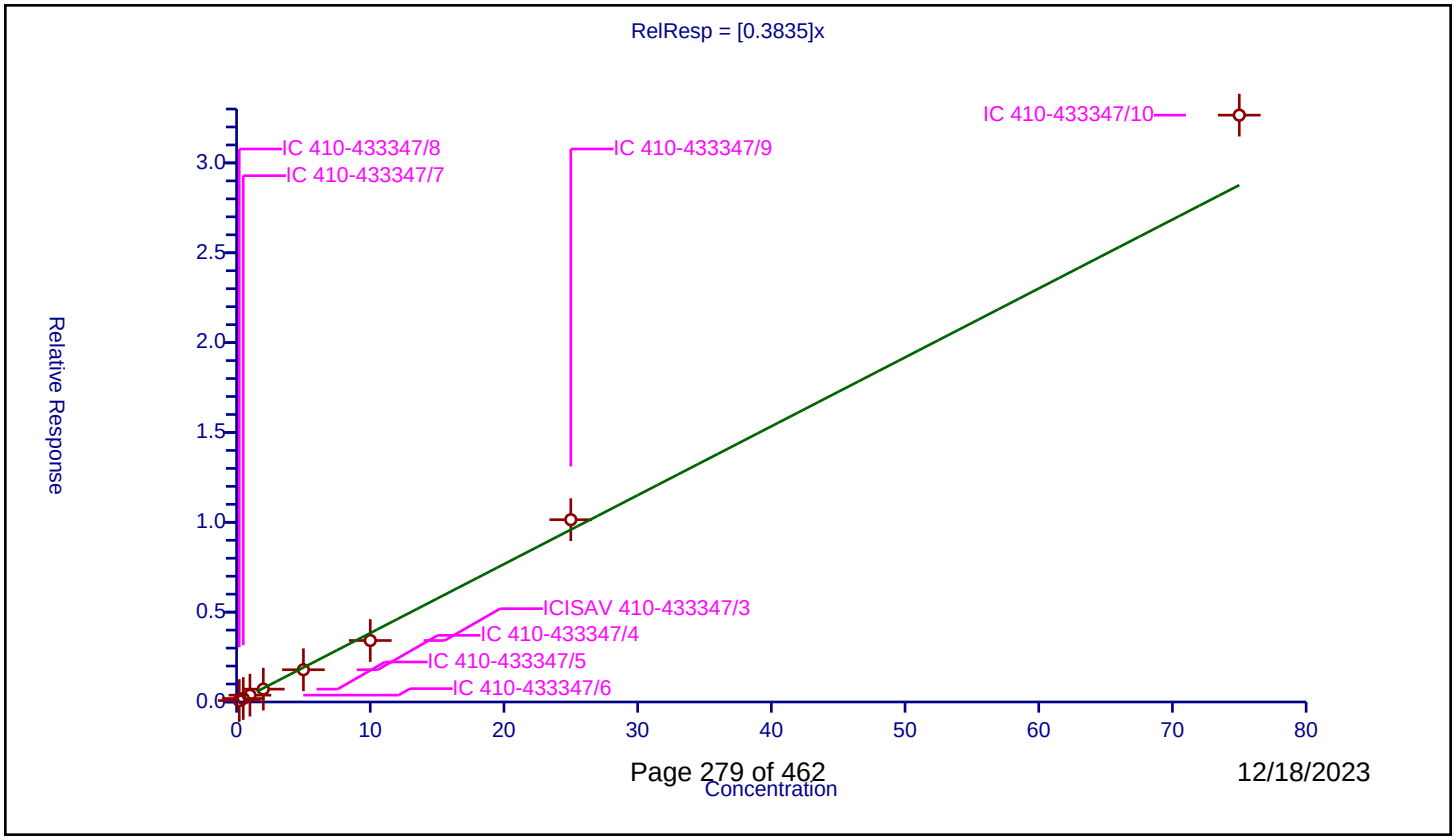
Curve Coefficients

Intercept:	0
Slope:	0.3835

Error Coefficients

Standard Error:	694000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.079816	10.0	394283.0	0.399079	Y
2	IC 410-433347/7	0.5	0.194198	10.0	414319.0	0.388396	Y
3	IC 410-433347/6	1.0	0.380317	10.0	425513.0	0.380317	Y
4	IC 410-433347/5	2.0	0.716554	10.0	454160.0	0.358277	Y
5	IC 410-433347/4	5.0	1.794446	10.0	485732.0	0.358889	Y
6	ICISAV 410-433347/3	10.0	3.420967	10.0	520046.0	0.342097	Y
7	IC 410-433347/9	25.0	10.144287	10.0	490828.0	0.405771	Y
8	IC 410-433347/10	75.0	32.658632	10.0	537359.0	0.435448	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

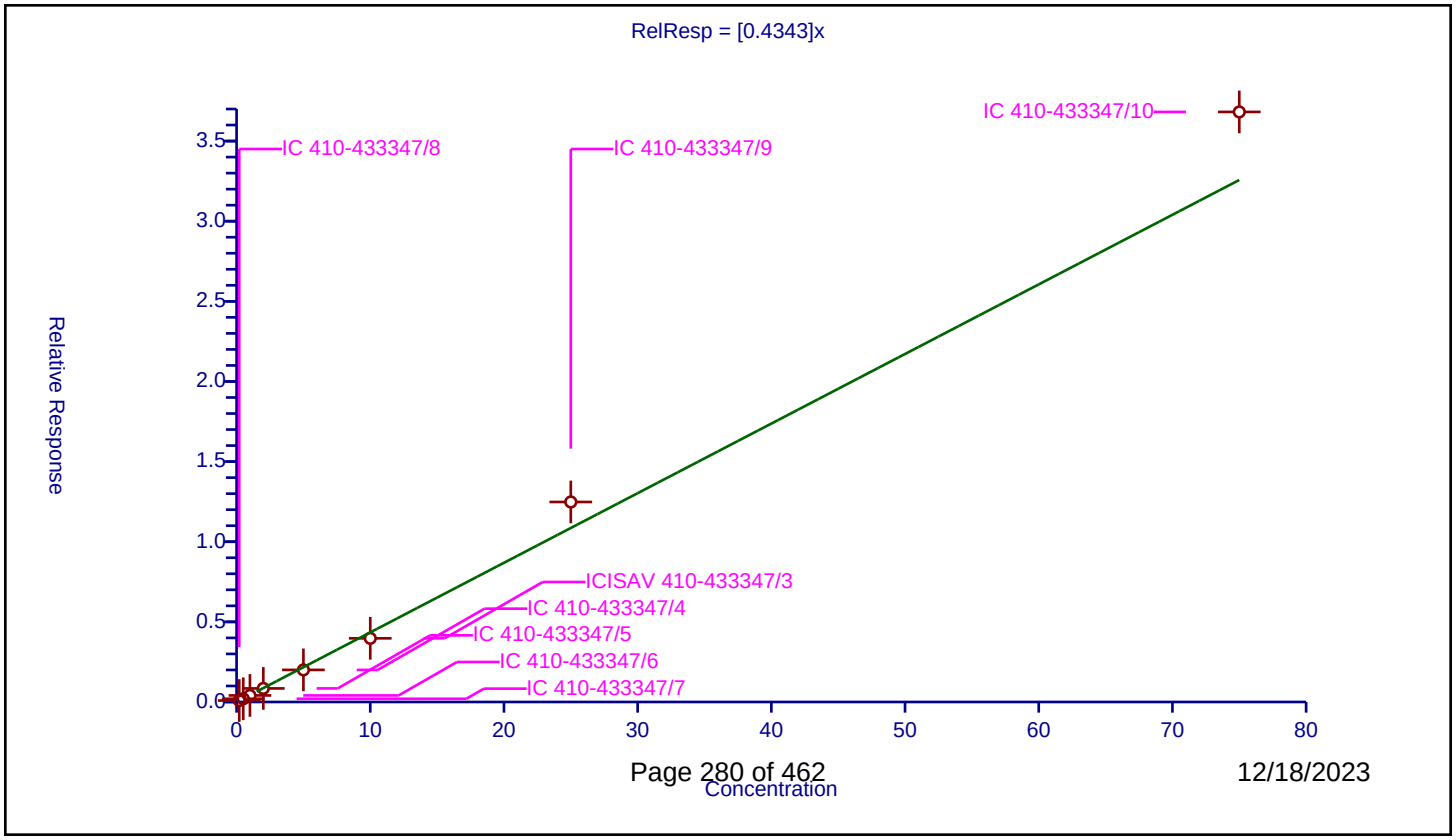
Curve Coefficients

Intercept:	0
Slope:	0.4343

Error Coefficients

Standard Error:	788000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.09095	10.0	394283.0	0.45475	Y
2	IC 410-433347/7	0.5	0.20016	10.0	414319.0	0.40032	Y
3	IC 410-433347/6	1.0	0.408096	10.0	425513.0	0.408096	Y
4	IC 410-433347/5	2.0	0.846552	10.0	454160.0	0.423276	Y
5	IC 410-433347/4	5.0	2.002195	10.0	485732.0	0.400439	Y
6	ICISAV 410-433347/3	10.0	3.972572	10.0	520046.0	0.397257	Y
7	IC 410-433347/9	25.0	12.480217	10.0	490828.0	0.499209	Y
8	IC 410-433347/10	75.0	36.817882	10.0	537359.0	0.490905	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

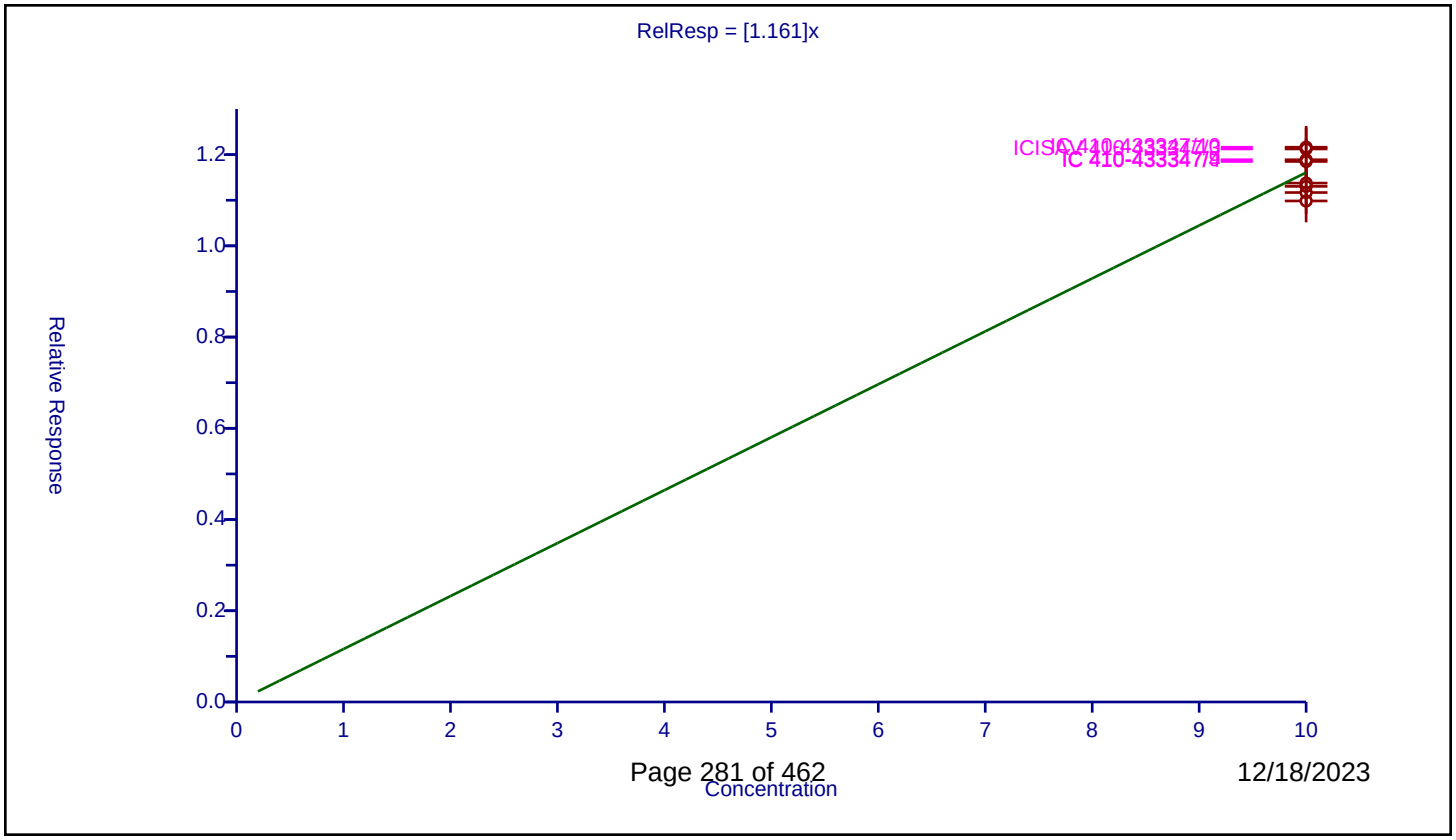
Curve Coefficients

Intercept:	0
Slope:	1.161

Error Coefficients

Standard Error:	600000
Relative Standard Error:	3.9
Correlation Coefficient:	0
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICISAV 410-433347/3	10.0	12.124106	10.0	496948.0	1.212411	Y
2	IC 410-433347/4	10.0	11.849397	10.0	482752.0	1.18494	Y
3	IC 410-433347/5	10.0	11.3042	10.0	473639.0	1.13042	Y
4	IC 410-433347/6	10.0	11.168759	10.0	473237.0	1.116876	Y
5	IC 410-433347/7	10.0	11.376099	10.0	457467.0	1.13761	Y
6	IC 410-433347/8	10.0	10.984182	10.0	458198.0	1.098418	Y
7	IC 410-433347/9	10.0	11.88822	10.0	486654.0	1.188822	Y
8	IC 410-433347/10	10.0	12.162345	10.0	520879.0	1.216234	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

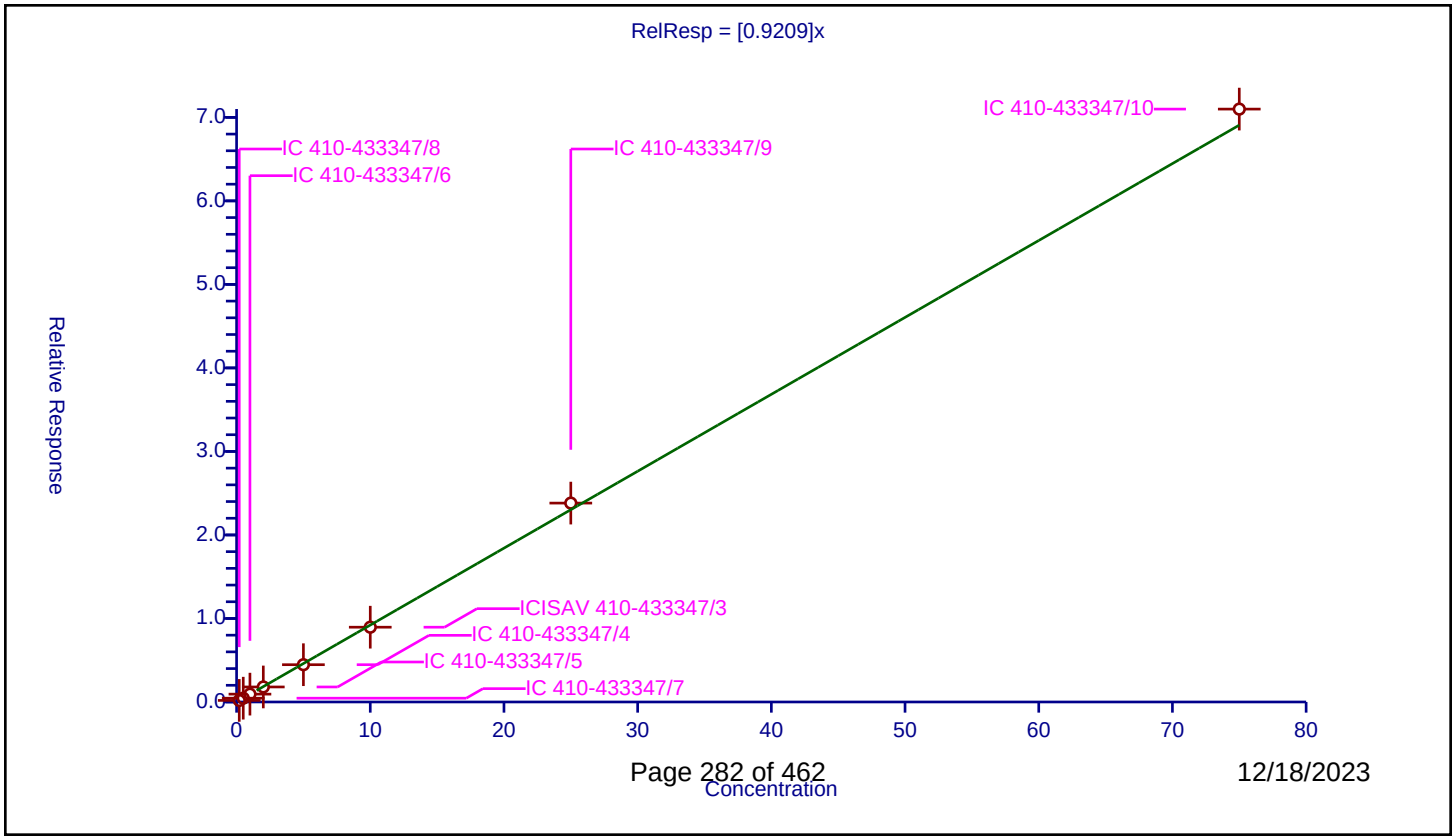
Curve Coefficients

Intercept:	0
Slope:	0.9209

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.18671	10.0	458198.0	0.933548	Y
2	IC 410-433347/7	0.5	0.454219	10.0	457467.0	0.908437	Y
3	IC 410-433347/6	1.0	0.938895	10.0	473237.0	0.938895	Y
4	IC 410-433347/5	2.0	1.798543	10.0	473639.0	0.899271	Y
5	IC 410-433347/4	5.0	4.46486	10.0	482752.0	0.892972	Y
6	ICISAV 410-433347/3	10.0	8.95321	10.0	496948.0	0.895321	Y
7	IC 410-433347/9	25.0	23.814949	10.0	486654.0	0.952598	Y
8	IC 410-433347/10	75.0	70.989385	10.0	520879.0	0.946525	Y



Calibration / n-Octane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

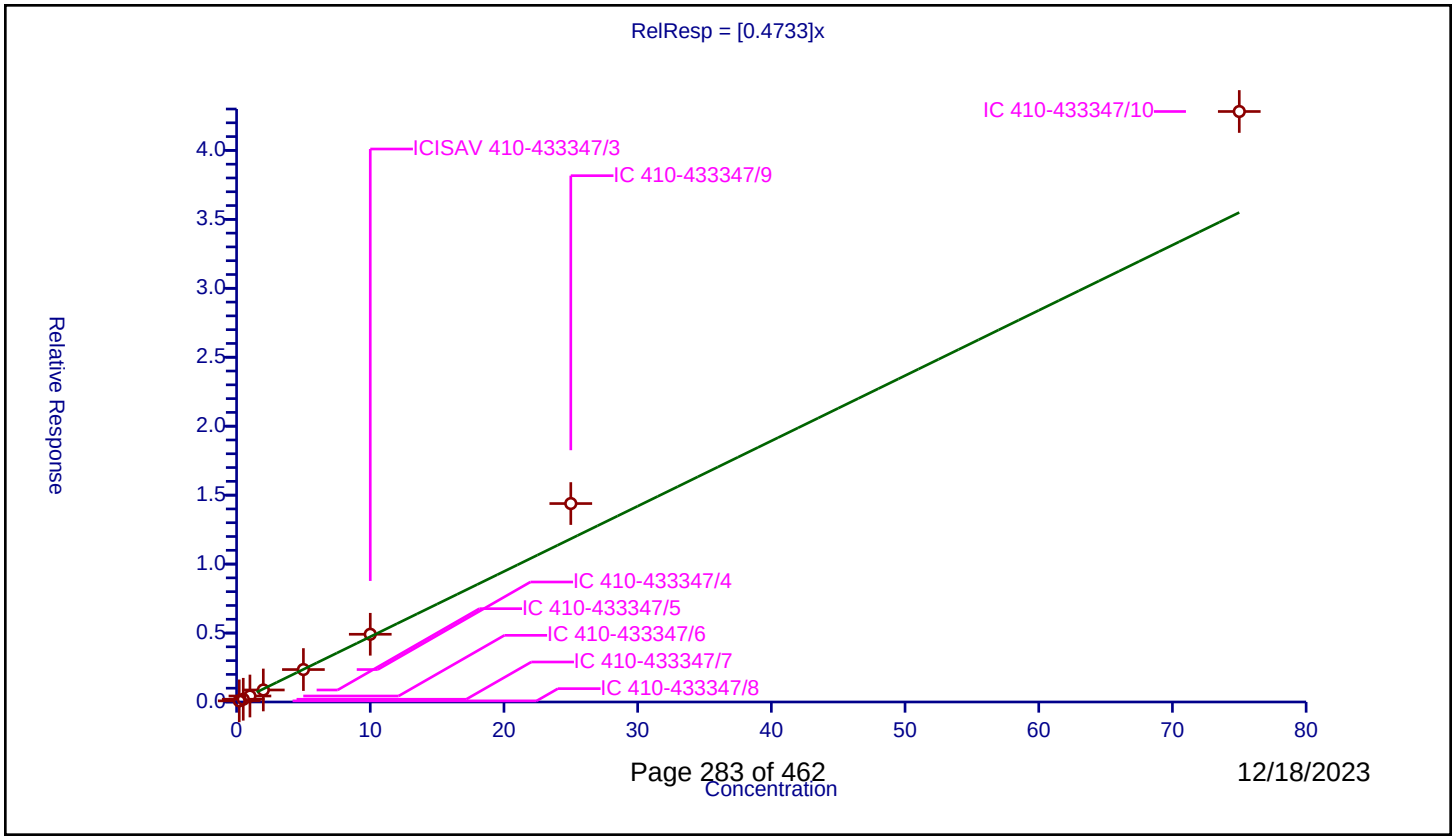
Curve Coefficients

Intercept:	0
Slope:	0.4733

Error Coefficients

Standard Error:	890000
Relative Standard Error:	14.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.082694	10.0	458198.0	0.413468	Y
2	IC 410-433347/7	0.5	0.197807	10.0	457467.0	0.395613	Y
3	IC 410-433347/6	1.0	0.43325	10.0	473237.0	0.43325	Y
4	IC 410-433347/5	2.0	0.872078	10.0	473639.0	0.436039	Y
5	IC 410-433347/4	5.0	2.35187	10.0	482752.0	0.470374	Y
6	ICISAV 410-433347/3	10.0	4.911299	10.0	496948.0	0.49113	Y
7	IC 410-433347/9	25.0	14.389525	10.0	486654.0	0.575581	Y
8	IC 410-433347/10	75.0	42.820233	10.0	520879.0	0.570936	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

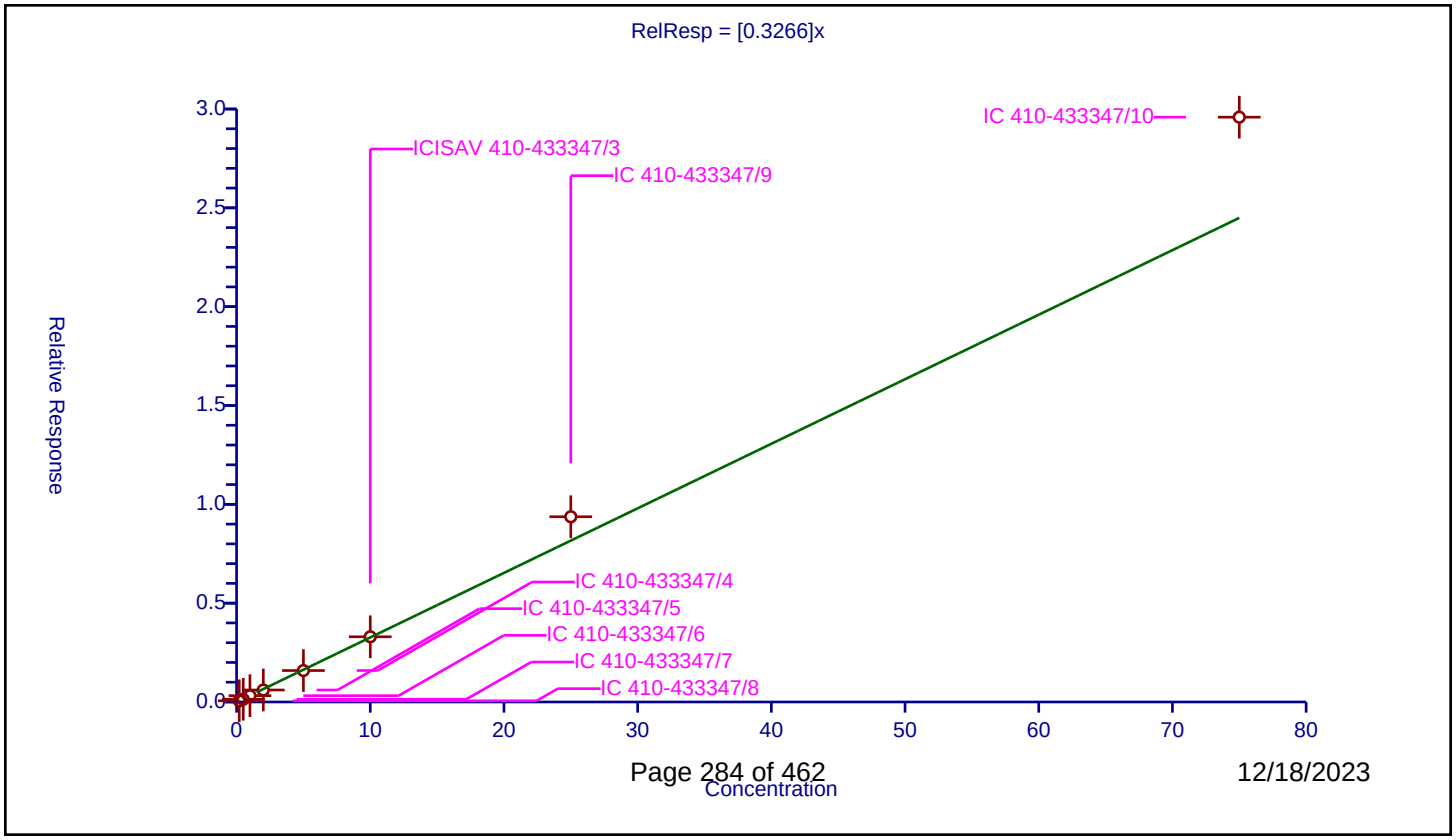
Curve Coefficients

Intercept:	0
Slope:	0.3266

Error Coefficients

Standard Error:	611000
Relative Standard Error:	12.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.060061	10.0	458198.0	0.300307	Y
2	IC 410-433347/7	0.5	0.136491	10.0	457467.0	0.272981	Y
3	IC 410-433347/6	1.0	0.318614	10.0	473237.0	0.318614	Y
4	IC 410-433347/5	2.0	0.605862	10.0	473639.0	0.302931	Y
5	IC 410-433347/4	5.0	1.591832	10.0	482752.0	0.318366	Y
6	ICISAV 410-433347/3	10.0	3.298957	10.0	496948.0	0.329896	Y
7	IC 410-433347/9	25.0	9.371093	10.0	486654.0	0.374844	Y
8	IC 410-433347/10	75.0	29.586775	10.0	520879.0	0.39449	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

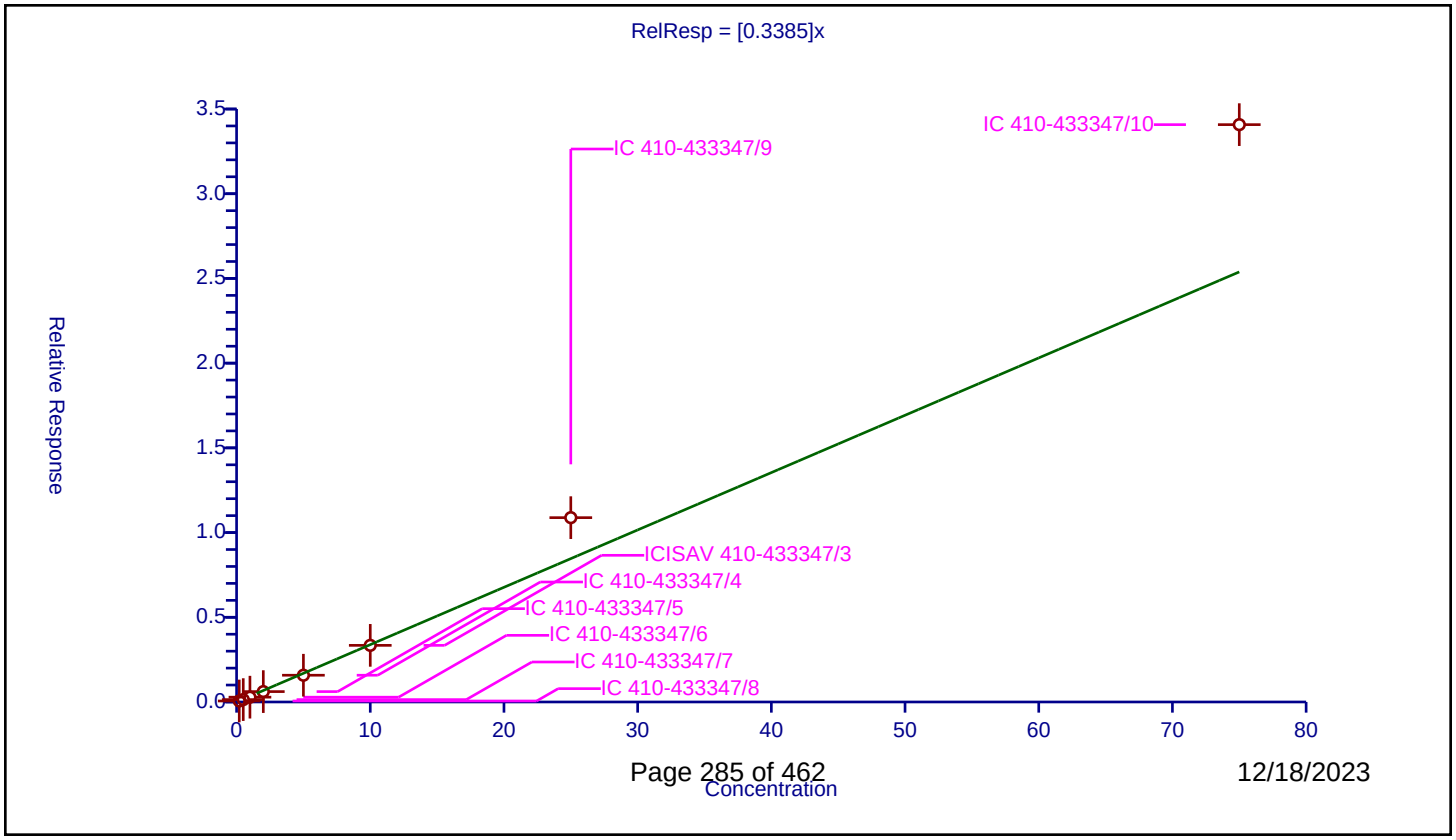
Curve Coefficients

Intercept:	0
Slope:	0.3385

Error Coefficients

Standard Error:	704000
Relative Standard Error:	20.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.059298	10.0	458198.0	0.296488	Y
2	IC 410-433347/7	0.5	0.140578	10.0	457467.0	0.281157	Y
3	IC 410-433347/6	1.0	0.283938	10.0	473237.0	0.283938	Y
4	IC 410-433347/5	2.0	0.613083	10.0	473639.0	0.306541	Y
5	IC 410-433347/4	5.0	1.578823	10.0	482752.0	0.315765	Y
6	ICISAV 410-433347/3	10.0	3.342442	10.0	496948.0	0.334244	Y
7	IC 410-433347/9	25.0	10.880543	10.0	486654.0	0.435222	Y
8	IC 410-433347/10	75.0	34.077799	10.0	520879.0	0.454371	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

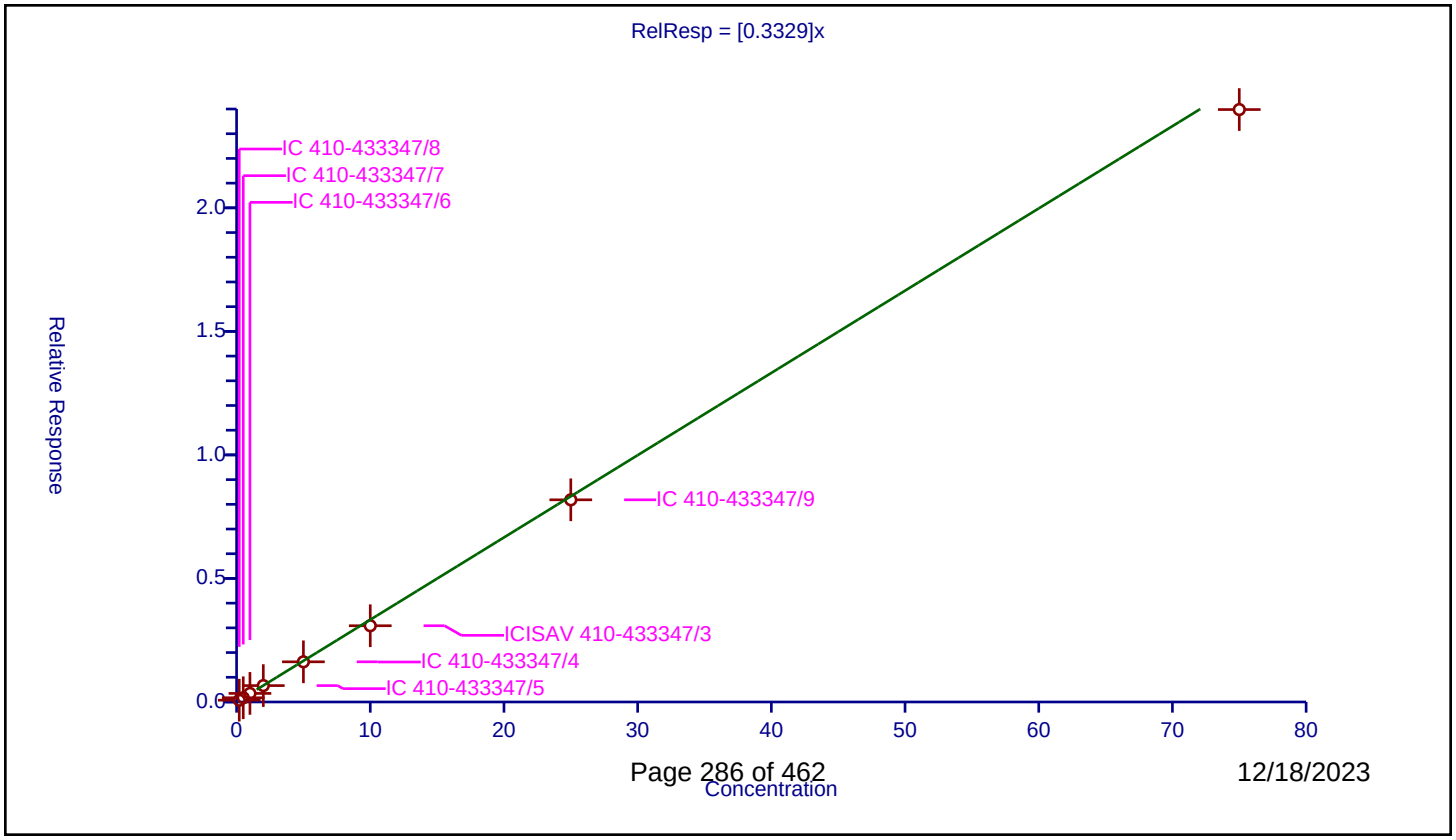
Curve Coefficients

Intercept:	0
Slope:	0.3329

Error Coefficients

Standard Error:	500000
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 410-433347/8	0.2	0.072392	10.0	458198.0	0.361961	Y
2	IC 410-433347/7	0.5	0.170985	10.0	457467.0	0.34197	Y
3	IC 410-433347/6	1.0	0.346909	10.0	473237.0	0.346909	Y
4	IC 410-433347/5	2.0	0.663733	10.0	473639.0	0.331867	Y
5	IC 410-433347/4	5.0	1.625969	10.0	482752.0	0.325194	Y
6	ICISAV 410-433347/3	10.0	3.0865	10.0	496948.0	0.30865	Y
7	IC 410-433347/9	25.0	8.182631	10.0	486654.0	0.327305	Y
8	IC 410-433347/10	75.0	23.978179	10.0	520879.0	0.319709	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

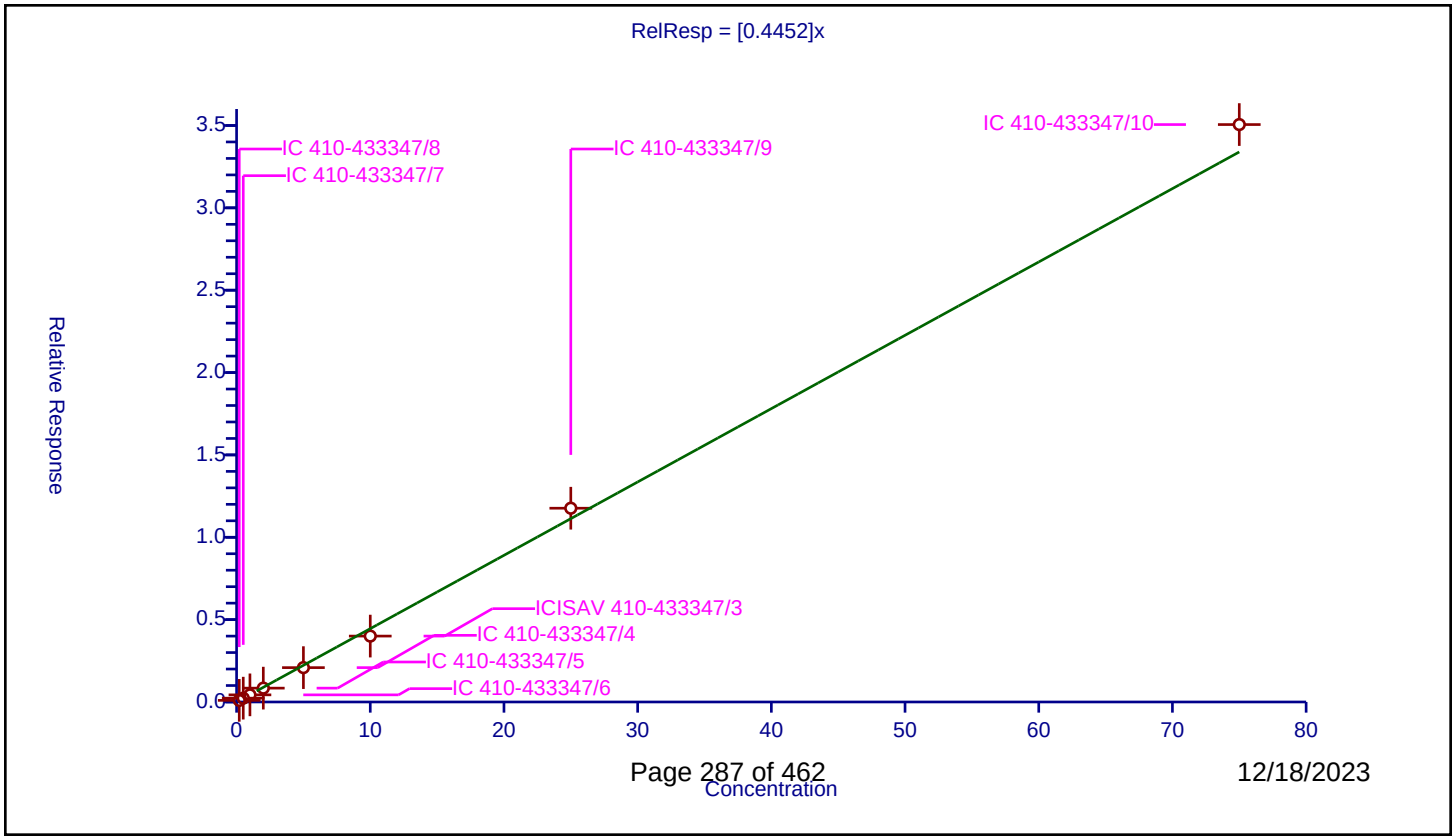
Curve Coefficients

Intercept:	0
Slope:	0.4452

Error Coefficients

Standard Error:	728000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.097883	10.0	458198.0	0.489417	Y
2	IC 410-433347/7	0.5	0.231645	10.0	457467.0	0.46329	Y
3	IC 410-433347/6	1.0	0.433144	10.0	473237.0	0.433144	Y
4	IC 410-433347/5	2.0	0.841168	10.0	473639.0	0.420584	Y
5	IC 410-433347/4	5.0	2.086454	10.0	482752.0	0.417291	Y
6	ICISAV 410-433347/3	10.0	4.001767	10.0	496948.0	0.400177	Y
7	IC 410-433347/9	25.0	11.764169	10.0	486654.0	0.470567	Y
8	IC 410-433347/10	75.0	35.056357	10.0	520879.0	0.467418	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

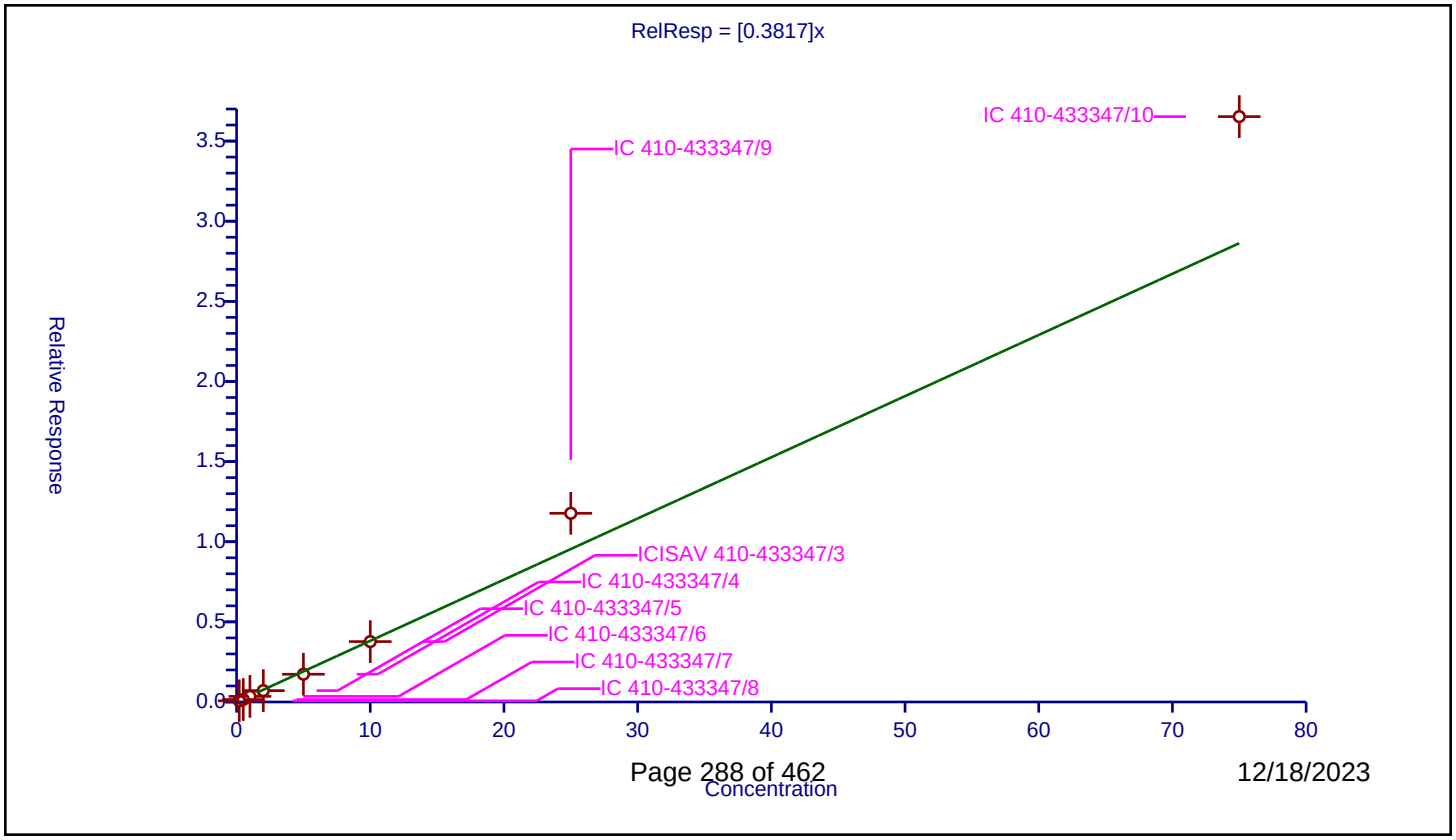
Curve Coefficients

Intercept:	0
Slope:	0.3817

Error Coefficients

Standard Error:	755000
Relative Standard Error:	16.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.072458	10.0	458198.0	0.362289	Y
2	IC 410-433347/7	0.5	0.152208	10.0	457467.0	0.304415	Y
3	IC 410-433347/6	1.0	0.350438	10.0	473237.0	0.350438	Y
4	IC 410-433347/5	2.0	0.710182	10.0	473639.0	0.355091	Y
5	IC 410-433347/4	5.0	1.731738	10.0	482752.0	0.346348	Y
6	ICISAV 410-433347/3	10.0	3.768724	10.0	496948.0	0.376872	Y
7	IC 410-433347/9	25.0	11.775101	10.0	486654.0	0.471004	Y
8	IC 410-433347/10	75.0	36.525796	10.0	520879.0	0.487011	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

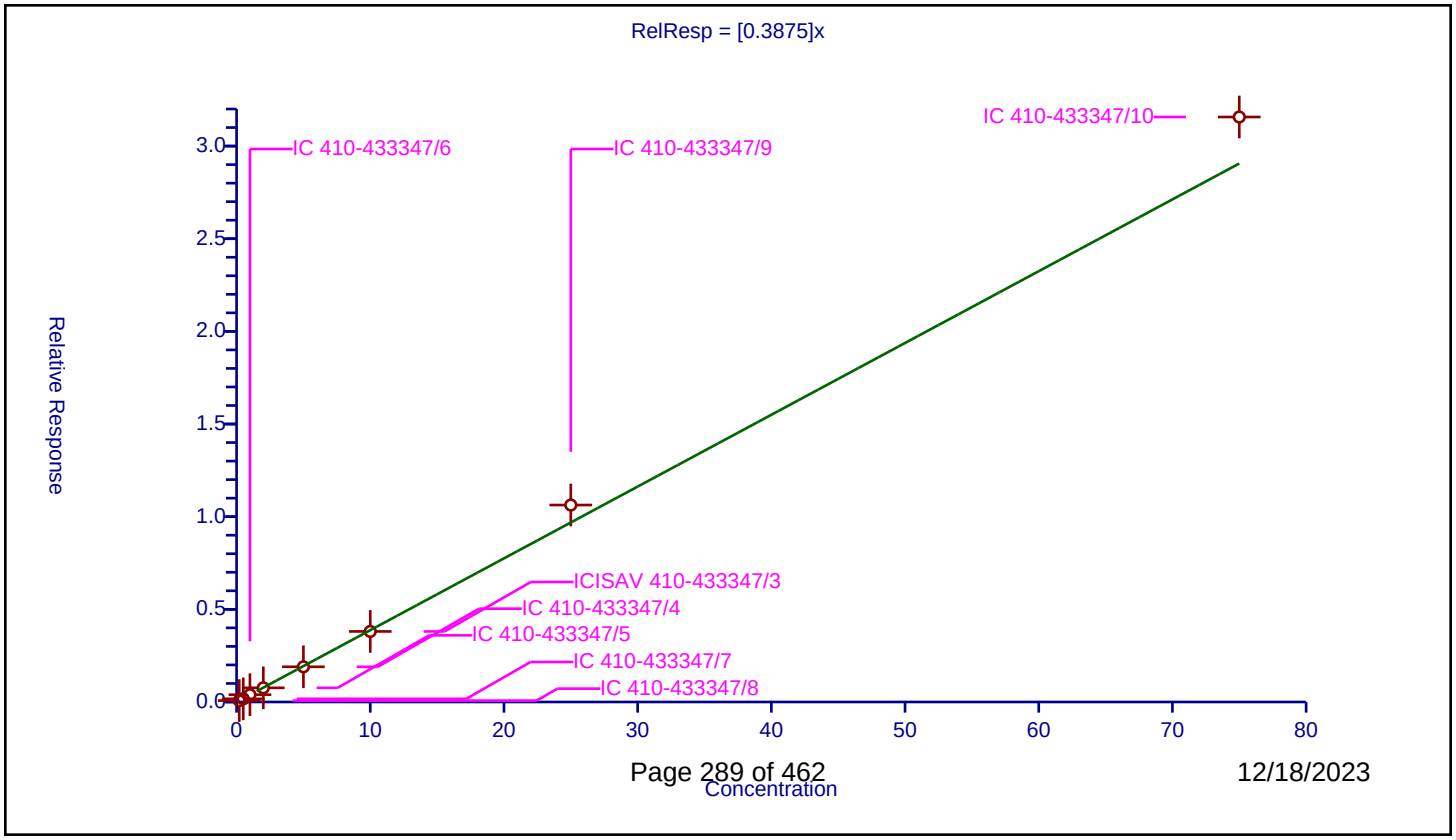
Curve Coefficients

Intercept:	0
Slope:	0.3875

Error Coefficients

Standard Error:	657000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.07536	10.0	458198.0	0.376802	Y
2	IC 410-433347/7	0.5	0.170526	10.0	457467.0	0.341052	Y
3	IC 410-433347/6	1.0	0.393545	10.0	473237.0	0.393545	Y
4	IC 410-433347/5	2.0	0.763746	10.0	473639.0	0.381873	Y
5	IC 410-433347/4	5.0	1.898159	10.0	482752.0	0.379632	Y
6	ICISAV 410-433347/3	10.0	3.80732	10.0	496948.0	0.380732	Y
7	IC 410-433347/9	25.0	10.627674	10.0	486654.0	0.425107	Y
8	IC 410-433347/10	75.0	31.568253	10.0	520879.0	0.42091	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

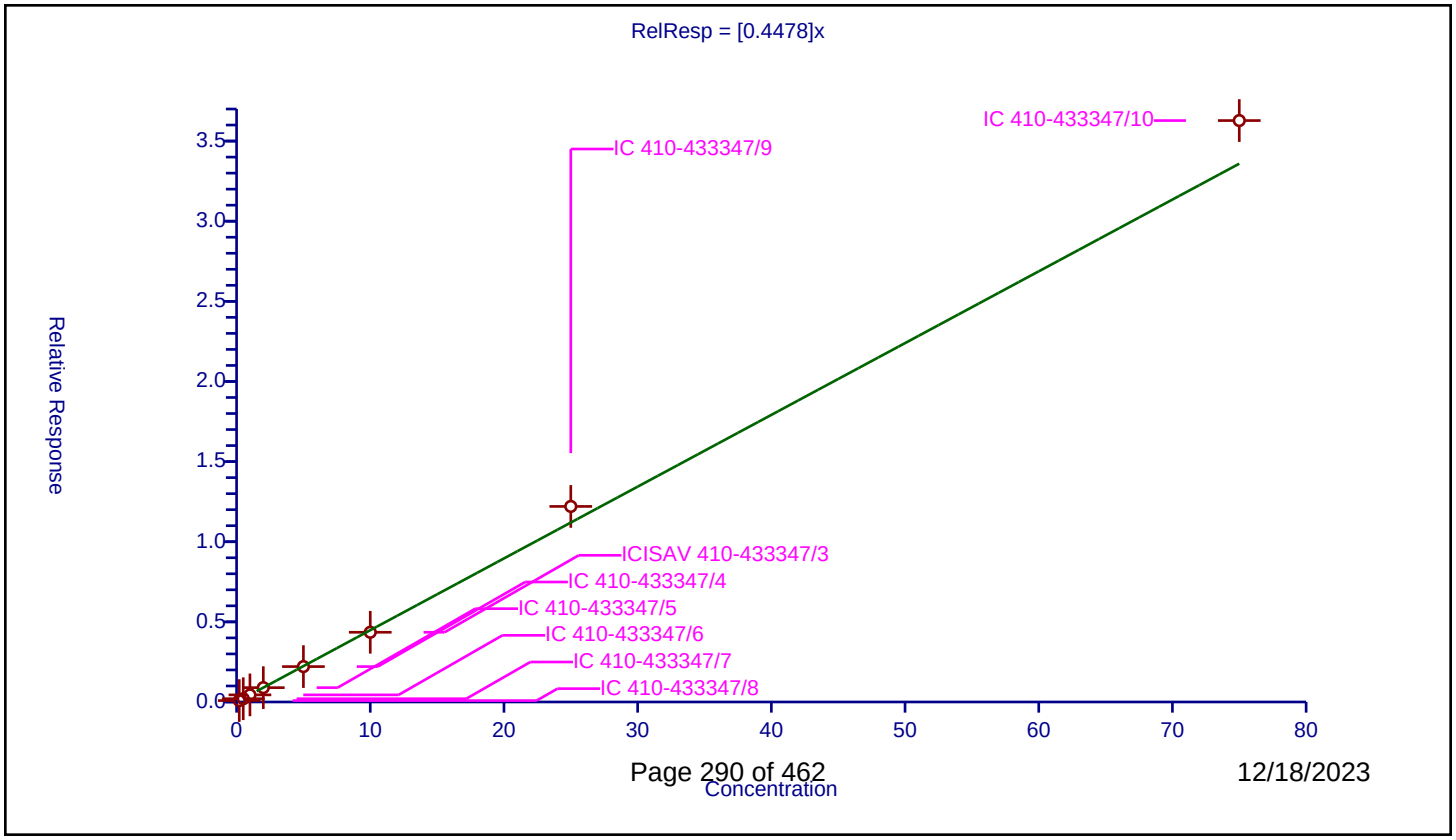
Curve Coefficients

Intercept:	0
Slope:	0.4478

Error Coefficients

Standard Error:	754000
Relative Standard Error:	5.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.08684	10.0	458198.0	0.434201	Y
2	IC 410-433347/7	0.5	0.204343	10.0	457467.0	0.408685	Y
3	IC 410-433347/6	1.0	0.443816	10.0	473237.0	0.443816	Y
4	IC 410-433347/5	2.0	0.895091	10.0	473639.0	0.447545	Y
5	IC 410-433347/4	5.0	2.208422	10.0	482752.0	0.441684	Y
6	ICISAV 410-433347/3	10.0	4.350053	10.0	496948.0	0.435005	Y
7	IC 410-433347/9	25.0	12.203229	10.0	486654.0	0.488129	Y
8	IC 410-433347/10	75.0	36.278713	10.0	520879.0	0.483716	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

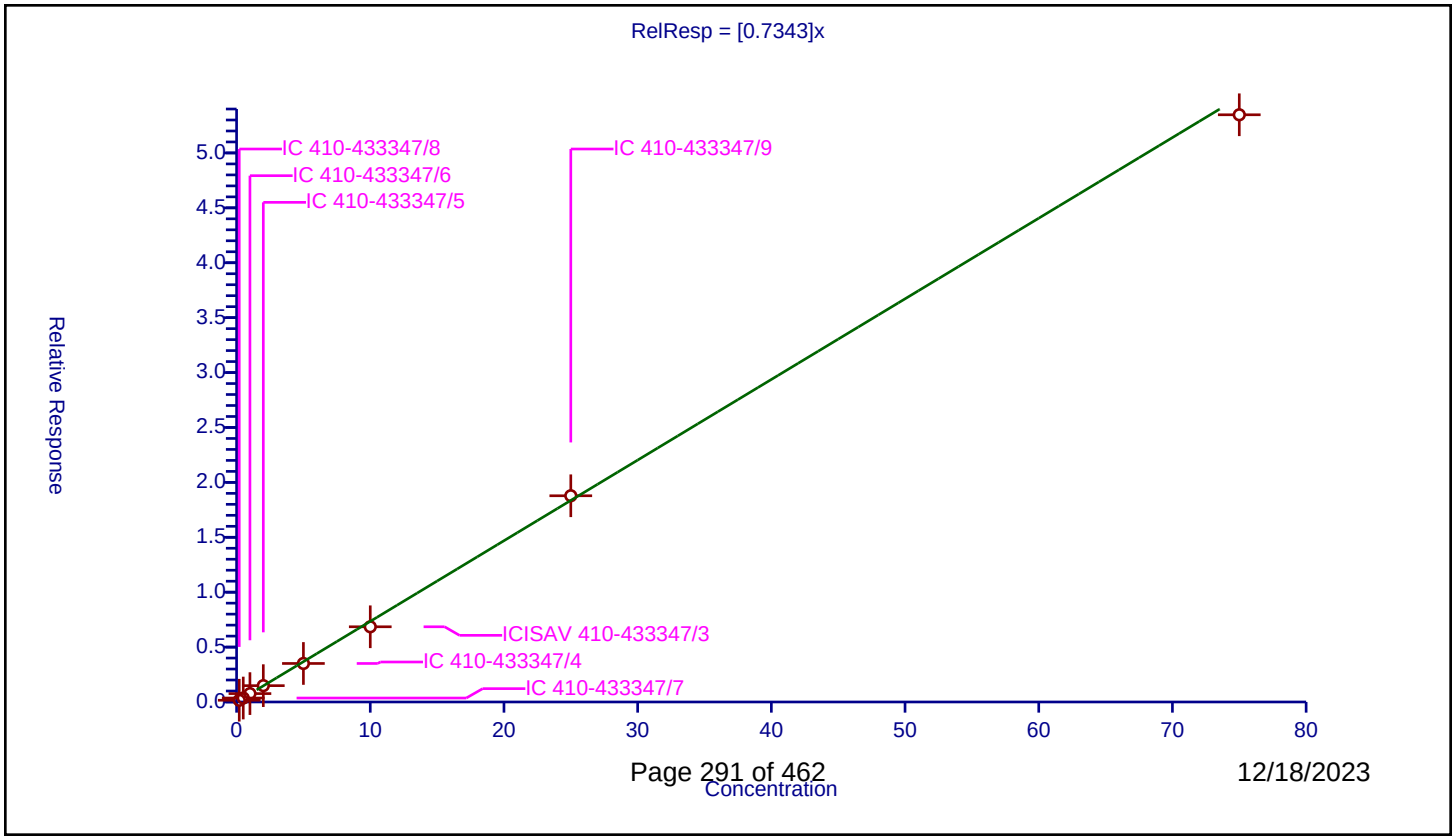
Curve Coefficients

Intercept:	0
Slope:	0.7343

Error Coefficients

Standard Error:	1120000
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 410-433347/8	0.2	0.159603	10.0	458198.0	0.798017	Y
2	IC 410-433347/7	0.5	0.359654	10.0	457467.0	0.719309	Y
3	IC 410-433347/6	1.0	0.762599	10.0	473237.0	0.762599	Y
4	IC 410-433347/5	2.0	1.486702	10.0	473639.0	0.743351	Y
5	IC 410-433347/4	5.0	3.508758	10.0	482752.0	0.701752	Y
6	ICISAV 410-433347/3	10.0	6.848443	10.0	496948.0	0.684844	Y
7	IC 410-433347/9	25.0	18.781496	10.0	486654.0	0.75126	Y
8	IC 410-433347/10	75.0	53.475318	10.0	520879.0	0.713004	Y



Calibration / 1,1,1,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

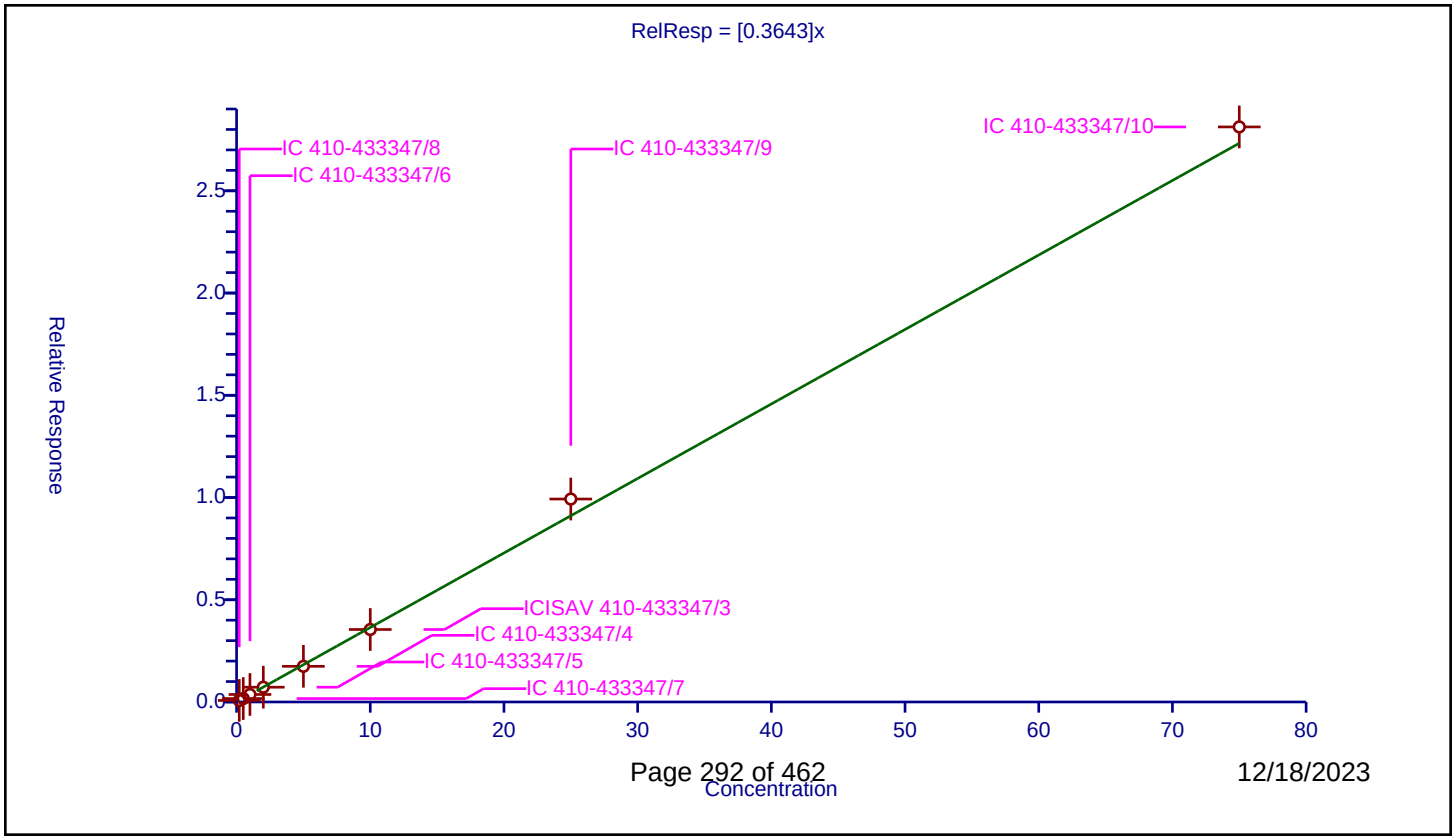
Curve Coefficients

Intercept:	0
Slope:	0.3643

Error Coefficients

Standard Error:	588000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.075339	10.0	458198.0	0.376693	Y
2	IC 410-433347/7	0.5	0.1674	10.0	457467.0	0.3348	Y
3	IC 410-433347/6	1.0	0.366666	10.0	473237.0	0.366666	Y
4	IC 410-433347/5	2.0	0.722618	10.0	473639.0	0.361309	Y
5	IC 410-433347/4	5.0	1.74369	10.0	482752.0	0.348738	Y
6	ICISAV 410-433347/3	10.0	3.544898	10.0	496948.0	0.35449	Y
7	IC 410-433347/9	25.0	9.925553	10.0	486654.0	0.397022	Y
8	IC 410-433347/10	75.0	28.123864	10.0	520879.0	0.374985	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

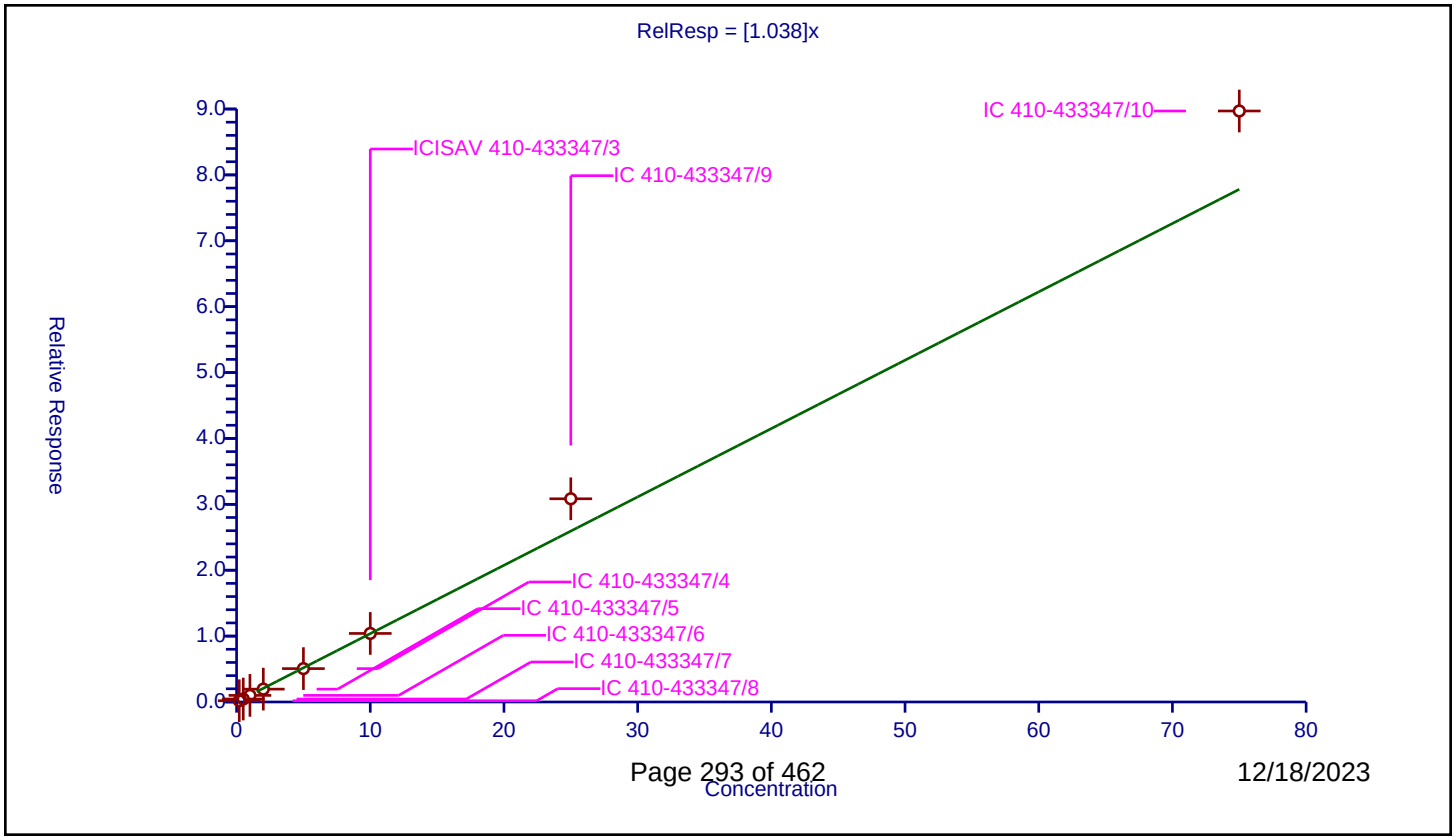
Curve Coefficients

Intercept:	0
Slope:	1.038

Error Coefficients

Standard Error:	1870000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.187452	10.0	458198.0	0.937259	Y
2	IC 410-433347/7	0.5	0.450043	10.0	457467.0	0.900087	Y
3	IC 410-433347/6	1.0	1.002204	10.0	473237.0	1.002204	Y
4	IC 410-433347/5	2.0	1.95402	10.0	473639.0	0.97701	Y
5	IC 410-433347/4	5.0	5.065417	10.0	482752.0	1.013083	Y
6	ICISAV 410-433347/3	10.0	10.405797	10.0	496948.0	1.04058	Y
7	IC 410-433347/9	25.0	30.845077	10.0	486654.0	1.233803	Y
8	IC 410-433347/10	75.0	89.698625	10.0	520879.0	1.195982	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

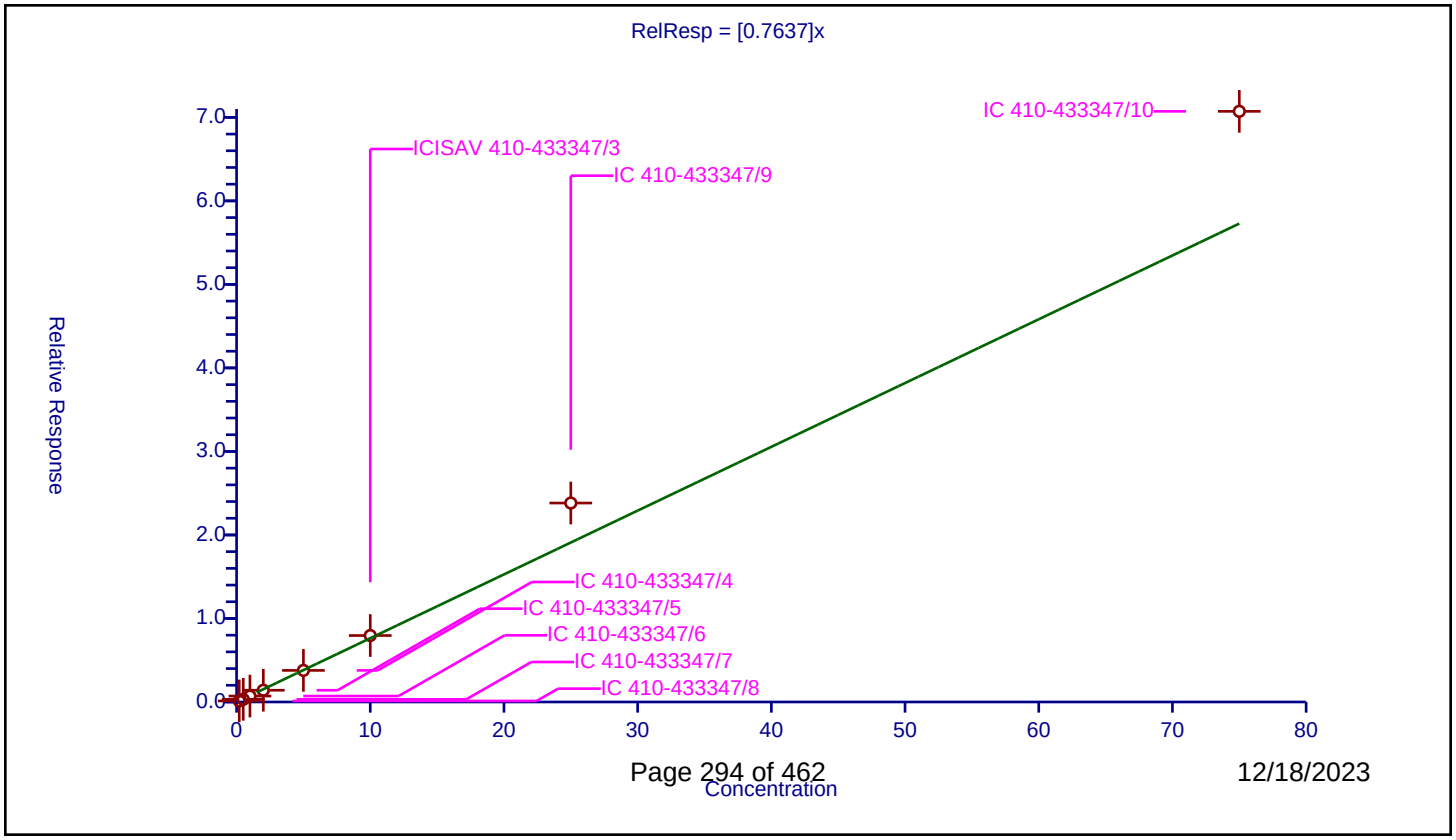
Curve Coefficients

Intercept:	0
Slope:	0.7637

Error Coefficients

Standard Error:	1470000
Relative Standard Error:	16.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.122109	10.0	458198.0	0.610544	Y
2	IC 410-433347/7	0.5	0.318865	10.0	457467.0	0.637729	Y
3	IC 410-433347/6	1.0	0.710194	10.0	473237.0	0.710194	Y
4	IC 410-433347/5	2.0	1.406725	10.0	473639.0	0.703363	Y
5	IC 410-433347/4	5.0	3.782335	10.0	482752.0	0.756467	Y
6	ICISAV 410-433347/3	10.0	7.957472	10.0	496948.0	0.795747	Y
7	IC 410-433347/9	25.0	23.821072	10.0	486654.0	0.952843	Y
8	IC 410-433347/10	75.0	70.721338	10.0	520879.0	0.942951	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

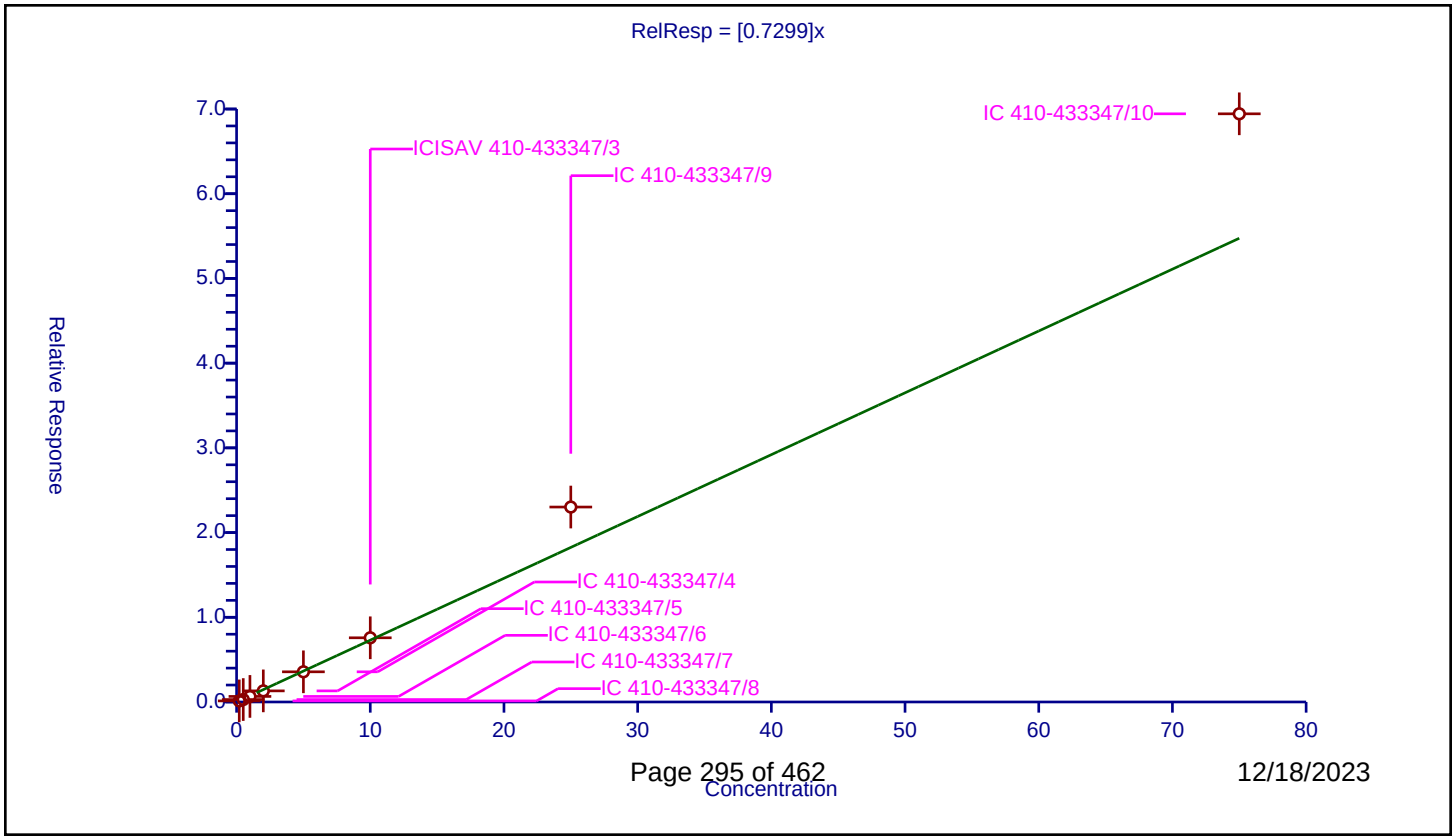
Curve Coefficients

Intercept:	0
Slope:	0.7299

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	17.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.126757	10.0	458198.0	0.633787	Y
2	IC 410-433347/7	0.5	0.288524	10.0	457467.0	0.577047	Y
3	IC 410-433347/6	1.0	0.656056	10.0	473237.0	0.656056	Y
4	IC 410-433347/5	2.0	1.31159	10.0	473639.0	0.655795	Y
5	IC 410-433347/4	5.0	3.562554	10.0	482752.0	0.712511	Y
6	ICISAV 410-433347/3	10.0	7.577594	10.0	496948.0	0.757759	Y
7	IC 410-433347/9	25.0	23.013332	10.0	486654.0	0.920533	Y
8	IC 410-433347/10	75.0	69.433227	10.0	520879.0	0.925776	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

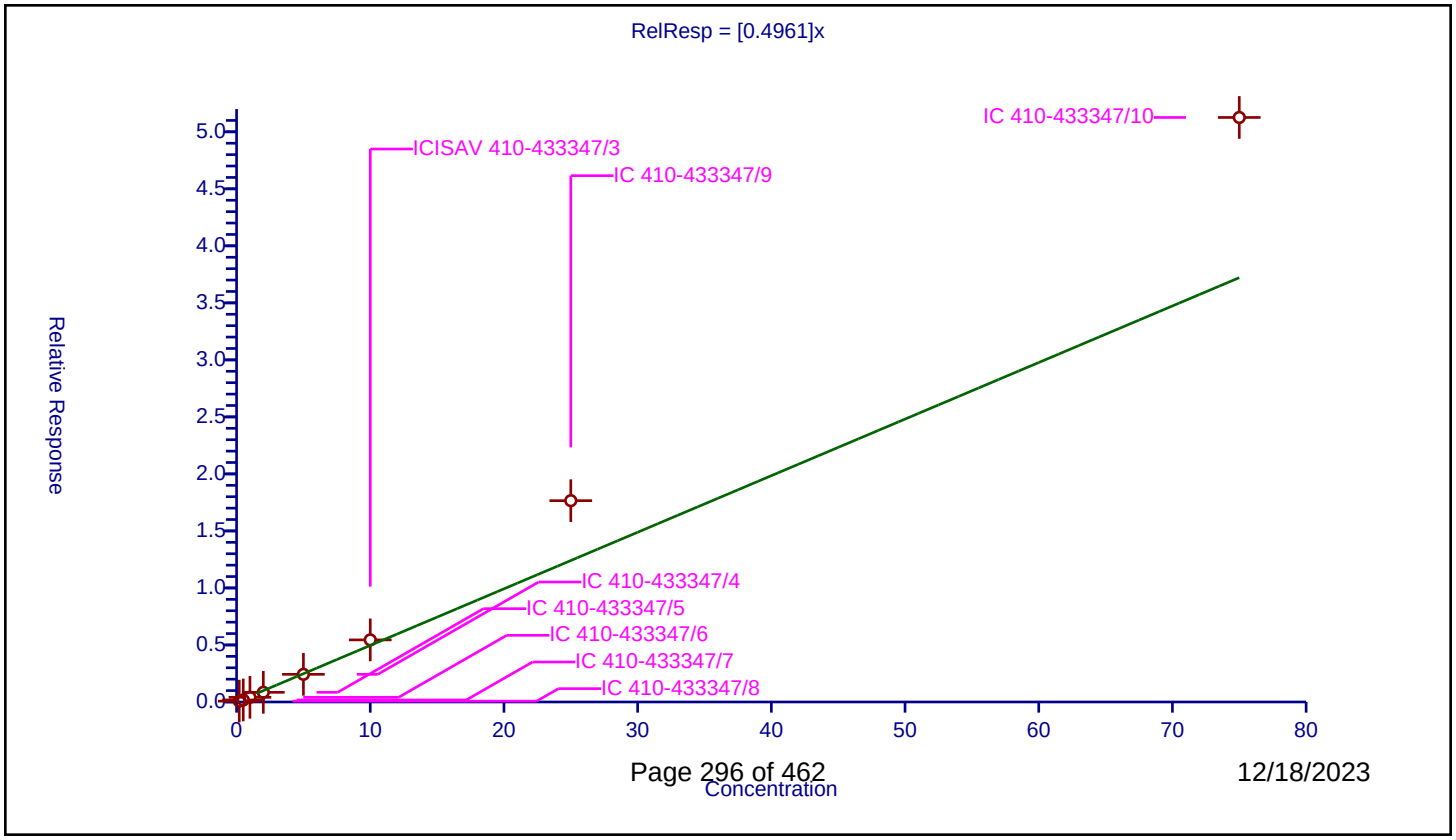
Curve Coefficients

Intercept:	0
Slope:	0.4961

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	27.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.924

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.07272	10.0	458198.0	0.363598	Y
2	IC 410-433347/7	0.5	0.175969	10.0	457467.0	0.351938	Y
3	IC 410-433347/6	1.0	0.41045	10.0	473237.0	0.41045	Y
4	IC 410-433347/5	2.0	0.846805	10.0	473639.0	0.423403	Y
5	IC 410-433347/4	5.0	2.427292	10.0	482752.0	0.485458	Y
6	ICISAV 410-433347/3	10.0	5.44568	10.0	496948.0	0.544568	Y
7	IC 410-433347/9	25.0	17.655377	10.0	486654.0	0.706215	Y
8	IC 410-433347/10	75.0	51.258258	10.0	520879.0	0.683443	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

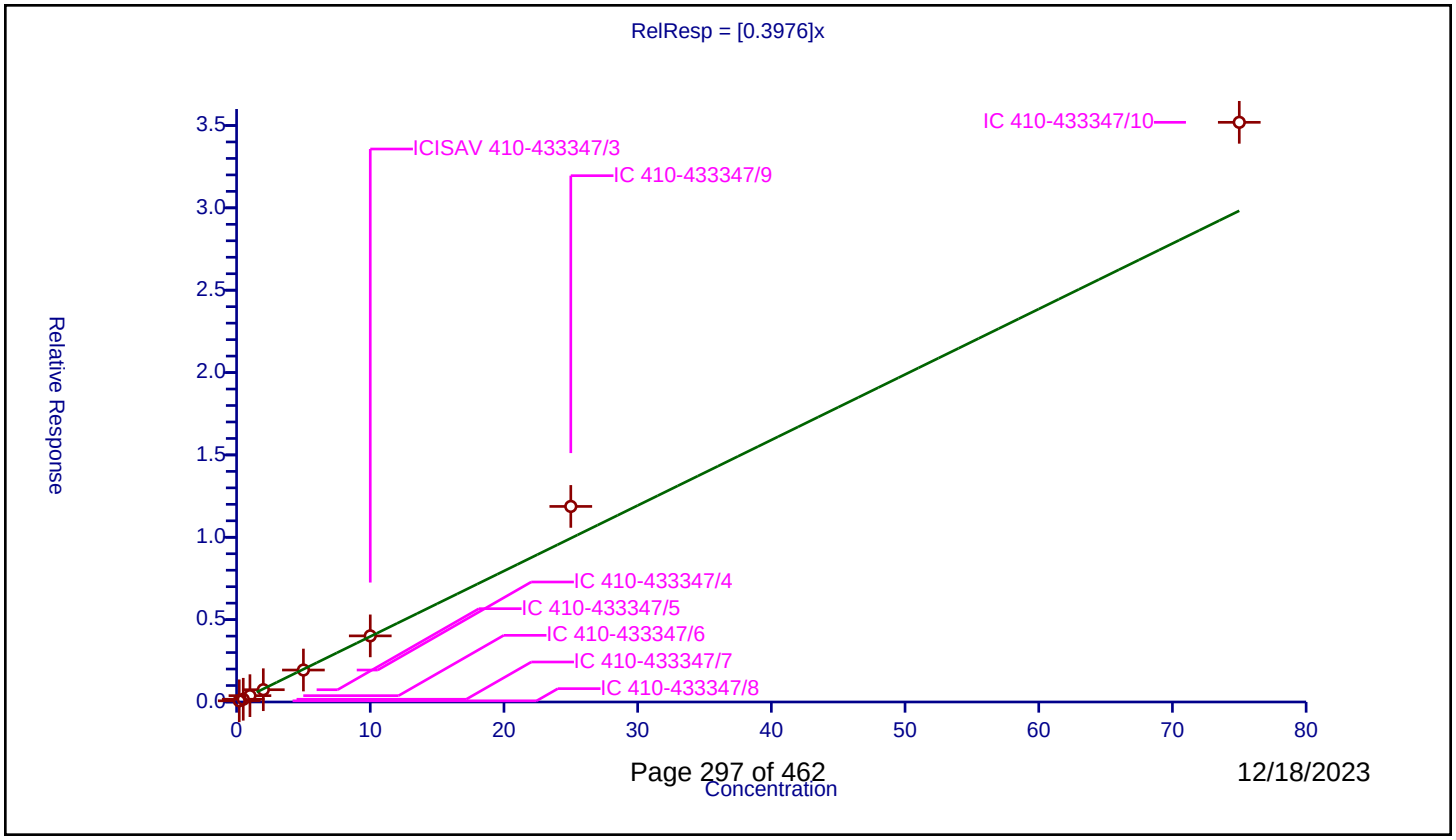
Curve Coefficients

Intercept:	0
Slope:	0.3976

Error Coefficients

Standard Error:	731000
Relative Standard Error:	12.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.071694	10.0	458198.0	0.358469	Y
2	IC 410-433347/7	0.5	0.165455	10.0	457467.0	0.330909	Y
3	IC 410-433347/6	1.0	0.385135	10.0	473237.0	0.385135	Y
4	IC 410-433347/5	2.0	0.7458	10.0	473639.0	0.3729	Y
5	IC 410-433347/4	5.0	1.940769	10.0	482752.0	0.388154	Y
6	ICISAV 410-433347/3	10.0	4.01384	10.0	496948.0	0.401384	Y
7	IC 410-433347/9	25.0	11.872336	10.0	486654.0	0.474893	Y
8	IC 410-433347/10	75.0	35.192166	10.0	520879.0	0.469229	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

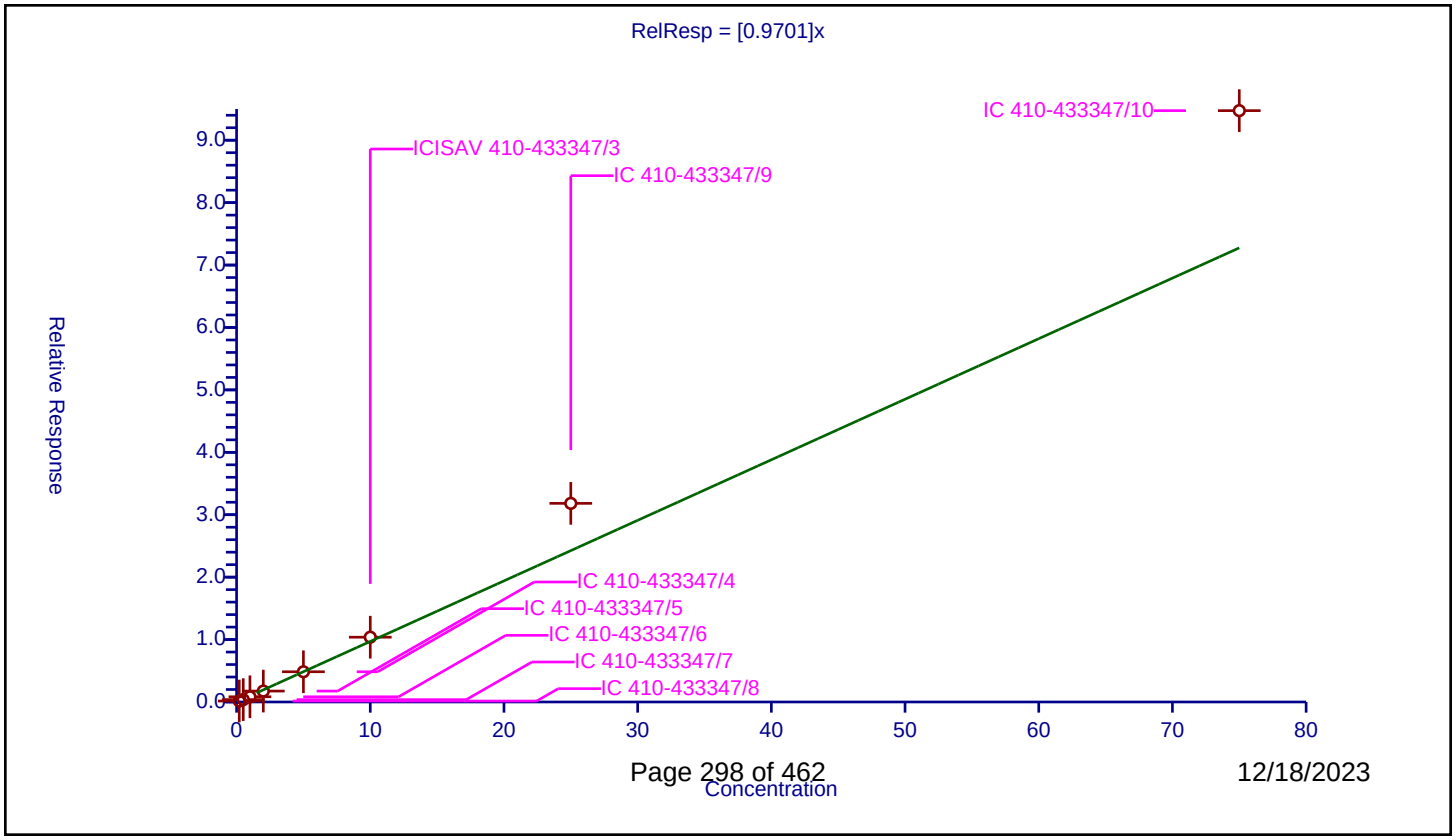
Curve Coefficients

Intercept:	0
Slope:	0.9701

Error Coefficients

Standard Error:	1970000
Relative Standard Error:	21.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.15059	10.0	458198.0	0.75295	Y
2	IC 410-433347/7	0.5	0.378366	10.0	457467.0	0.756732	Y
3	IC 410-433347/6	1.0	0.833895	10.0	473237.0	0.833895	Y
4	IC 410-433347/5	2.0	1.748927	10.0	473639.0	0.874463	Y
5	IC 410-433347/4	5.0	4.842714	10.0	482752.0	0.968543	Y
6	ICISAV 410-433347/3	10.0	10.377826	10.0	496948.0	1.037783	Y
7	IC 410-433347/9	25.0	31.821294	10.0	486654.0	1.272852	Y
8	IC 410-433347/10	75.0	94.739392	10.0	520879.0	1.263192	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

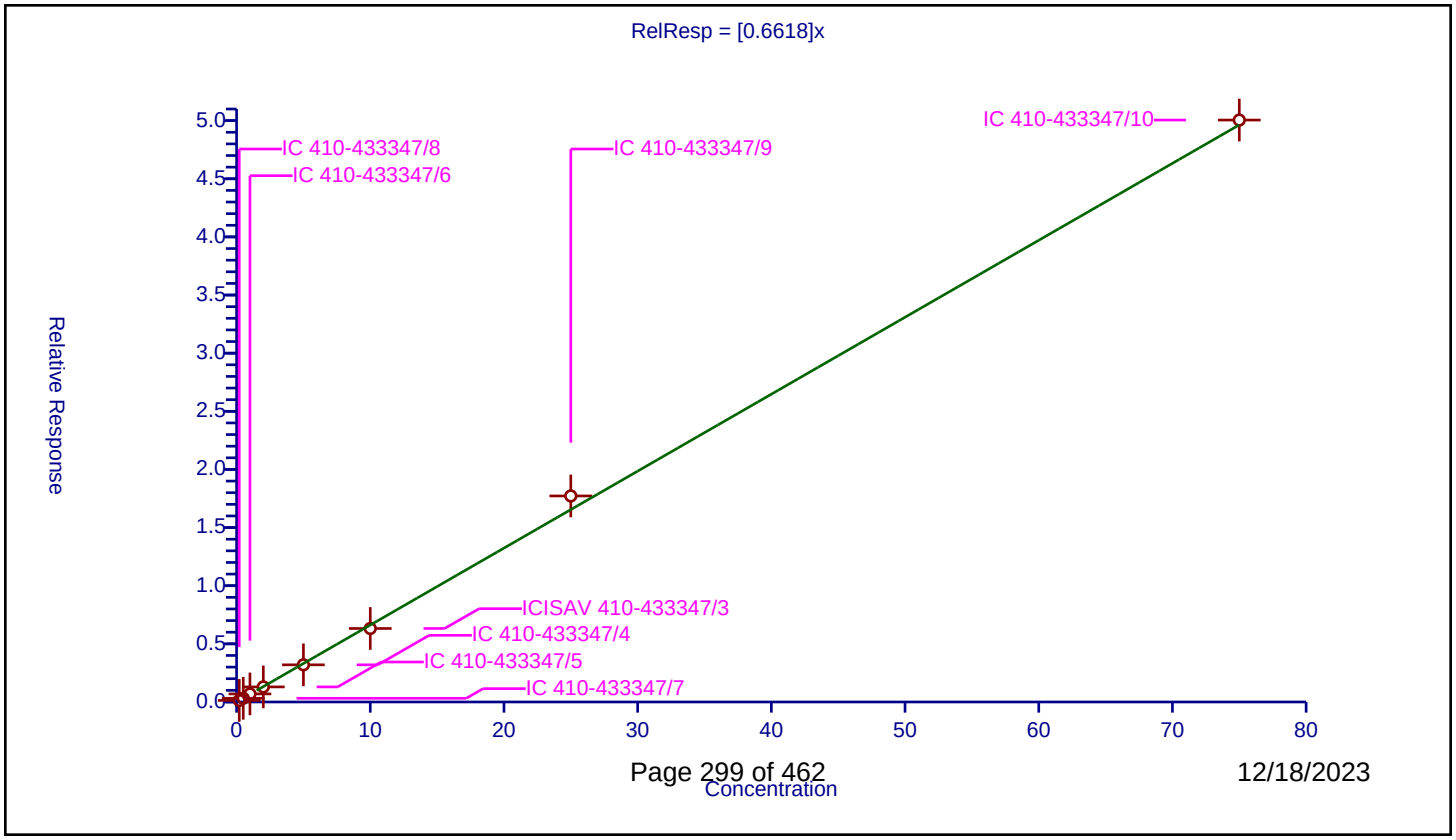
Curve Coefficients

Intercept:	0
Slope:	0.6618

Error Coefficients

Standard Error:	1050000
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 410-433347/8	0.2	0.133632	10.0	458198.0	0.668161	Y
2	IC 410-433347/7	0.5	0.317968	10.0	457467.0	0.635937	Y
3	IC 410-433347/6	1.0	0.694768	10.0	473237.0	0.694768	Y
4	IC 410-433347/5	2.0	1.29586	10.0	473639.0	0.64793	Y
5	IC 410-433347/4	5.0	3.196859	10.0	482752.0	0.639372	Y
6	ICISAV 410-433347/3	10.0	6.321024	10.0	496948.0	0.632102	Y
7	IC 410-433347/9	25.0	17.720742	10.0	486654.0	0.70883	Y
8	IC 410-433347/10	75.0	50.050319	10.0	520879.0	0.667338	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

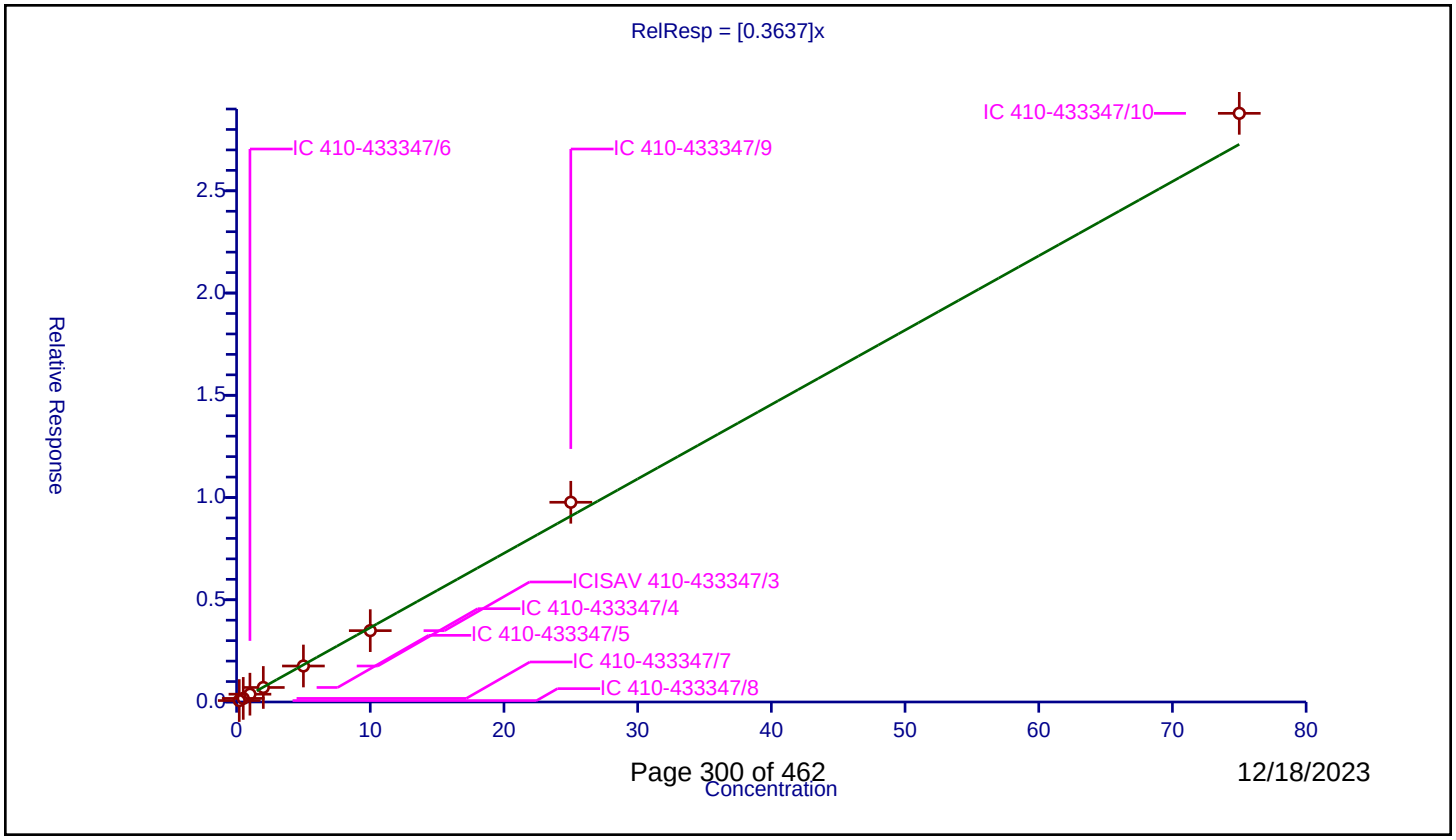
Curve Coefficients

Intercept:	0
Slope:	0.3637

Error Coefficients

Standard Error:	599000
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 410-433347/8	0.2	0.069446	10.0	458198.0	0.34723	Y
2	IC 410-433347/7	0.5	0.17492	10.0	457467.0	0.349839	Y
3	IC 410-433347/6	1.0	0.381373	10.0	473237.0	0.381373	Y
4	IC 410-433347/5	2.0	0.710351	10.0	473639.0	0.355176	Y
5	IC 410-433347/4	5.0	1.760469	10.0	482752.0	0.352094	Y
6	ICISAV 410-433347/3	10.0	3.489681	10.0	496948.0	0.348968	Y
7	IC 410-433347/9	25.0	9.767001	10.0	486654.0	0.39068	Y
8	IC 410-433347/10	75.0	28.789009	10.0	520879.0	0.383853	Y



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

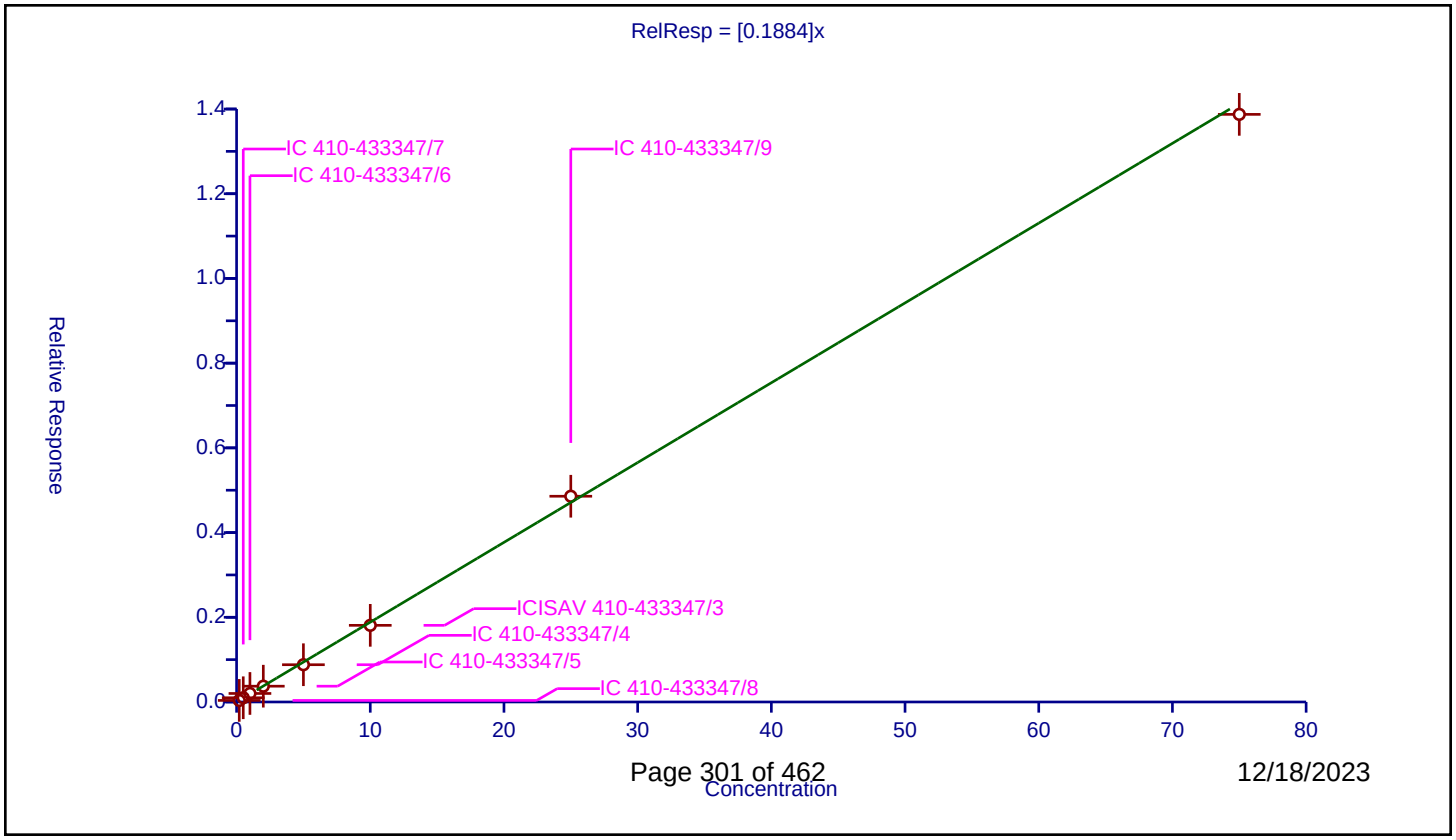
Curve Coefficients

Intercept:	0
Slope:	0.1884

Error Coefficients

Standard Error:	290000
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 410-433347/8	0.2	0.036927	10.0	458198.0	0.184636	Y
2	IC 410-433347/7	0.5	0.099526	10.0	457467.0	0.199053	Y
3	IC 410-433347/6	1.0	0.201083	10.0	473237.0	0.201083	Y
4	IC 410-433347/5	2.0	0.372921	10.0	473639.0	0.186461	Y
5	IC 410-433347/4	5.0	0.879727	10.0	482752.0	0.175945	Y
6	ICISAV 410-433347/3	10.0	1.809686	10.0	496948.0	0.180969	Y
7	IC 410-433347/9	25.0	4.857352	10.0	486654.0	0.194294	Y
8	IC 410-433347/10	75.0	13.873337	10.0	520879.0	0.184978	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

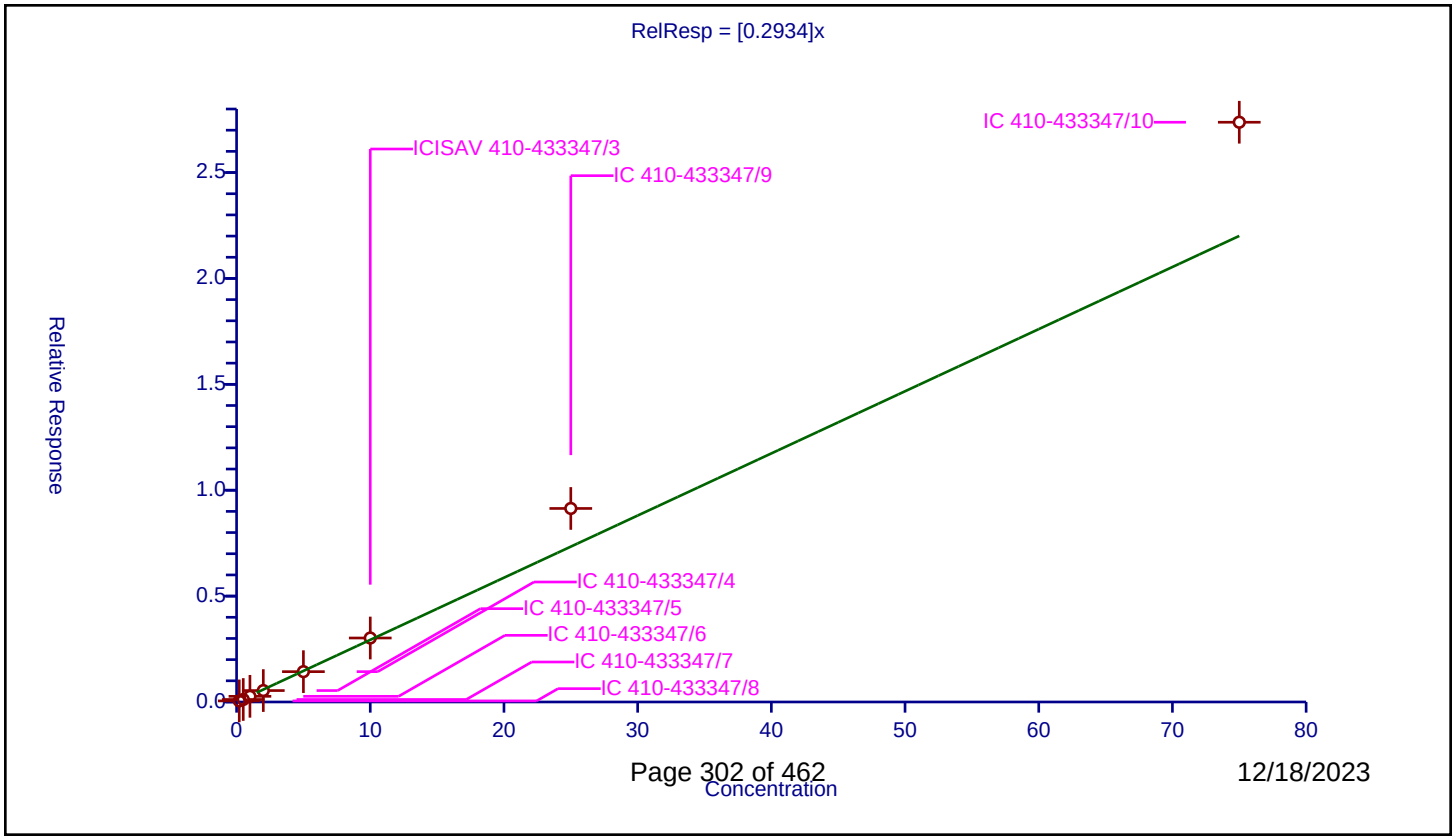
Curve Coefficients

Intercept:	0
Slope:	0.2934

Error Coefficients

Standard Error:	568000
Relative Standard Error:	16.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.051288	10.0	458198.0	0.256439	Y
2	IC 410-433347/7	0.5	0.117495	10.0	457467.0	0.23499	Y
3	IC 410-433347/6	1.0	0.267287	10.0	473237.0	0.267287	Y
4	IC 410-433347/5	2.0	0.539124	10.0	473639.0	0.269562	Y
5	IC 410-433347/4	5.0	1.432537	10.0	482752.0	0.286507	Y
6	ICISAV 410-433347/3	10.0	3.021242	10.0	496948.0	0.302124	Y
7	IC 410-433347/9	25.0	9.138649	10.0	486654.0	0.365546	Y
8	IC 410-433347/10	75.0	27.376032	10.0	520879.0	0.365014	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

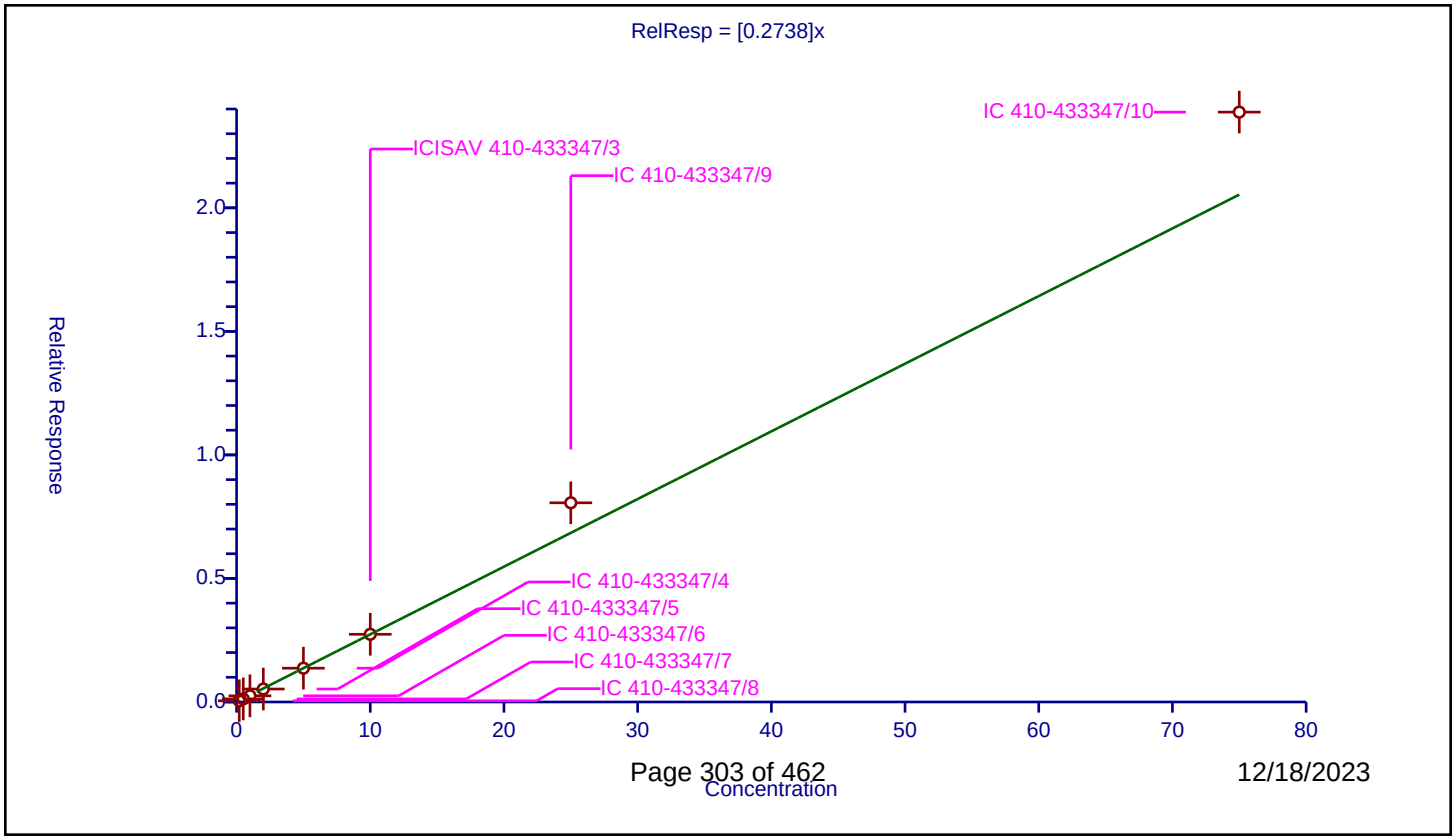
Curve Coefficients

Intercept:	0
Slope:	0.2738

Error Coefficients

Standard Error:	496000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.048211	10.0	458198.0	0.241053	Y
2	IC 410-433347/7	0.5	0.12414	10.0	457467.0	0.24828	Y
3	IC 410-433347/6	1.0	0.250234	10.0	473237.0	0.250234	Y
4	IC 410-433347/5	2.0	0.524872	10.0	473639.0	0.262436	Y
5	IC 410-433347/4	5.0	1.368218	10.0	482752.0	0.273644	Y
6	ICISAV 410-433347/3	10.0	2.739562	10.0	496948.0	0.273956	Y
7	IC 410-433347/9	25.0	8.062093	10.0	486654.0	0.322484	Y
8	IC 410-433347/10	75.0	23.874969	10.0	520879.0	0.318333	Y



Calibration / 4-Ethyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

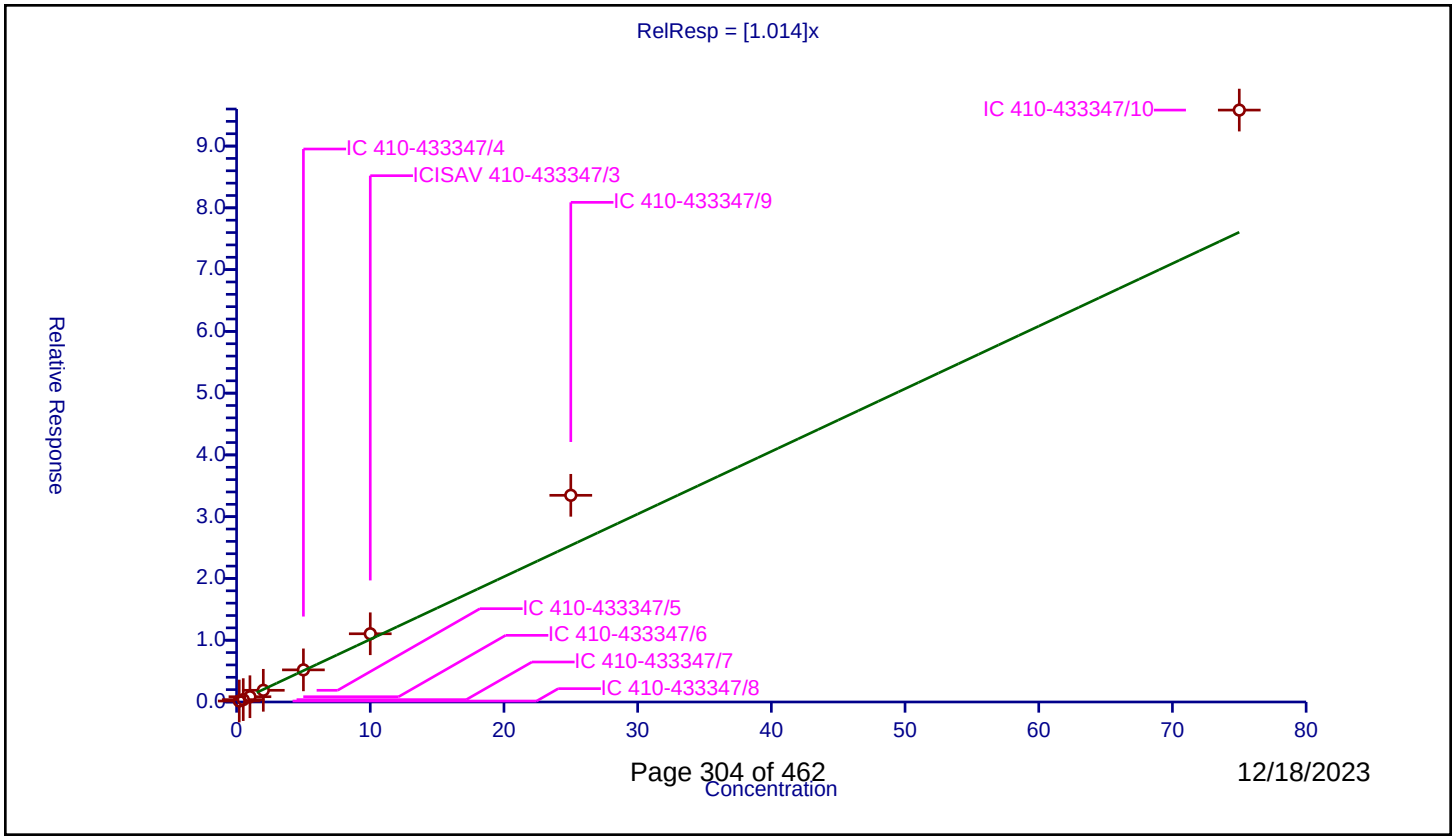
Curve Coefficients

Intercept:	0
Slope:	1.014

Error Coefficients

Standard Error:	2000000
Relative Standard Error:	21.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.157836	10.0	458198.0	0.789178	Y
2	IC 410-433347/7	0.5	0.380683	10.0	457467.0	0.761366	Y
3	IC 410-433347/6	1.0	0.854265	10.0	473237.0	0.854265	Y
4	IC 410-433347/5	2.0	1.894059	10.0	473639.0	0.947029	Y
5	IC 410-433347/4	5.0	5.201843	10.0	482752.0	1.040369	Y
6	ICISAV 410-433347/3	10.0	11.044113	10.0	496948.0	1.104411	Y
7	IC 410-433347/9	25.0	33.462213	10.0	486654.0	1.338489	Y
8	IC 410-433347/10	75.0	95.826497	10.0	520879.0	1.277687	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

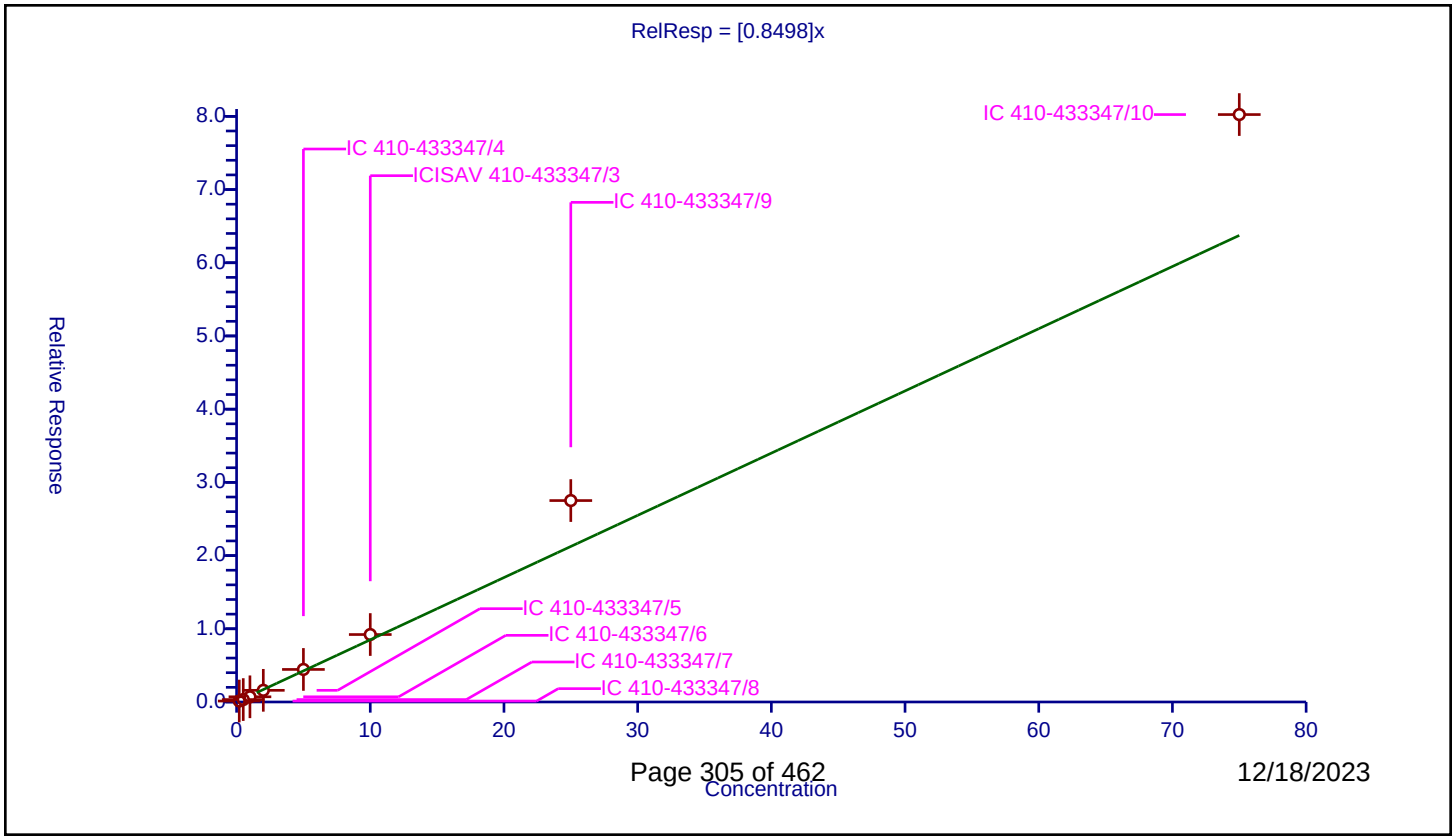
Curve Coefficients

Intercept:	0
Slope:	0.8498

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	20.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.955

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.130358	10.0	458198.0	0.651792	Y
2	IC 410-433347/7	0.5	0.329991	10.0	457467.0	0.659982	Y
3	IC 410-433347/6	1.0	0.707743	10.0	473237.0	0.707743	Y
4	IC 410-433347/5	2.0	1.595223	10.0	473639.0	0.797612	Y
5	IC 410-433347/4	5.0	4.447418	10.0	482752.0	0.889484	Y
6	ICISAV 410-433347/3	10.0	9.212855	10.0	496948.0	0.921286	Y
7	IC 410-433347/9	25.0	27.515586	10.0	486654.0	1.100623	Y
8	IC 410-433347/10	75.0	80.243838	10.0	520879.0	1.069918	Y



Calibration / Alpha Methyl Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

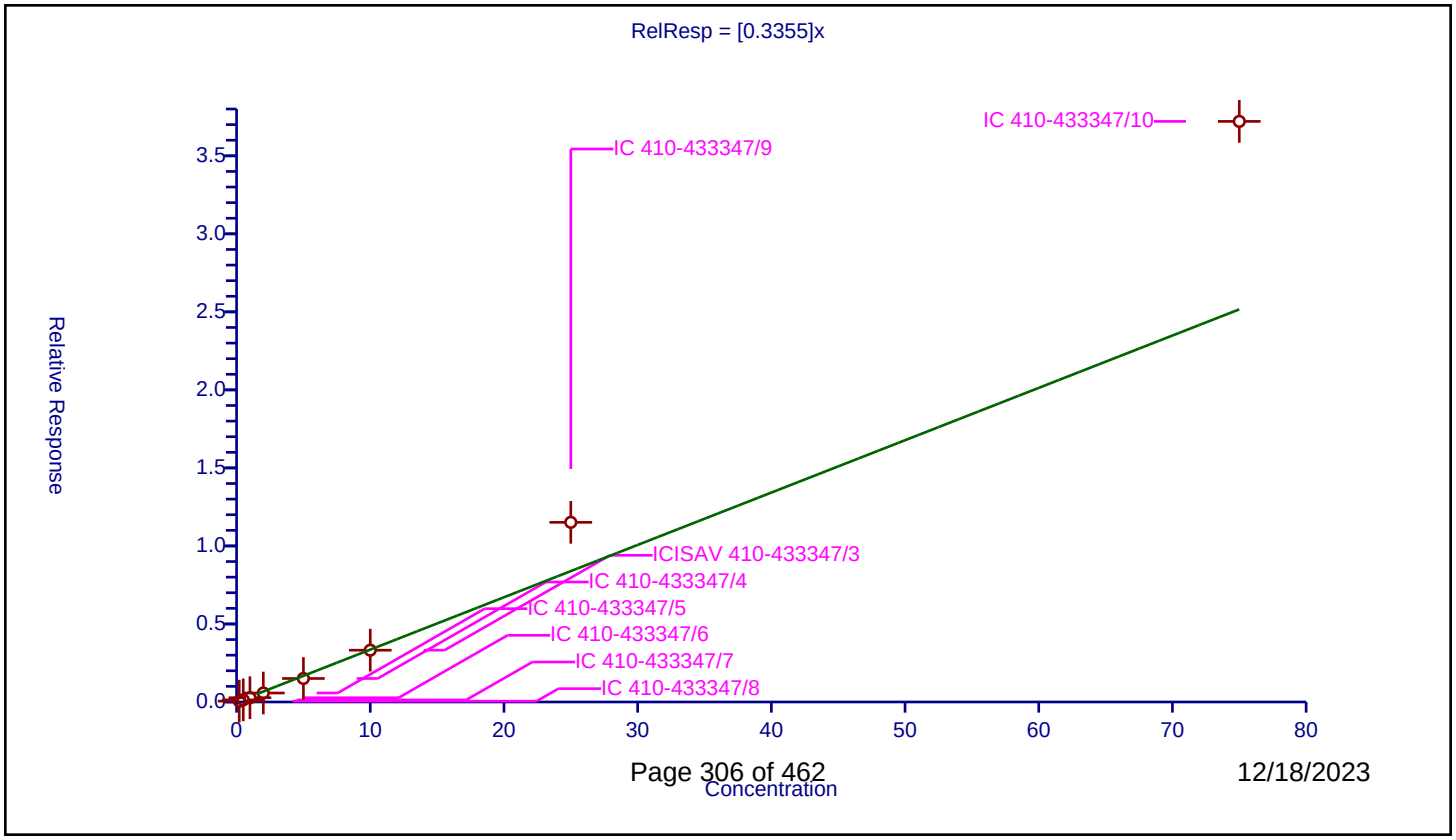
Curve Coefficients

Intercept:	0
Slope:	0.3355

Error Coefficients

Standard Error:	766000
Relative Standard Error:	27.2
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.924

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.053339	10.0	458198.0	0.266697	Y
2	IC 410-433347/7	0.5	0.133715	10.0	457467.0	0.267429	Y
3	IC 410-433347/6	1.0	0.272422	10.0	473237.0	0.272422	Y
4	IC 410-433347/5	2.0	0.574678	10.0	473639.0	0.287339	Y
5	IC 410-433347/4	5.0	1.506612	10.0	482752.0	0.301322	Y
6	ICISAV 410-433347/3	10.0	3.319563	10.0	496948.0	0.331956	Y
7	IC 410-433347/9	25.0	11.513868	10.0	486654.0	0.460555	Y
8	IC 410-433347/10	75.0	37.206491	10.0	520879.0	0.496087	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

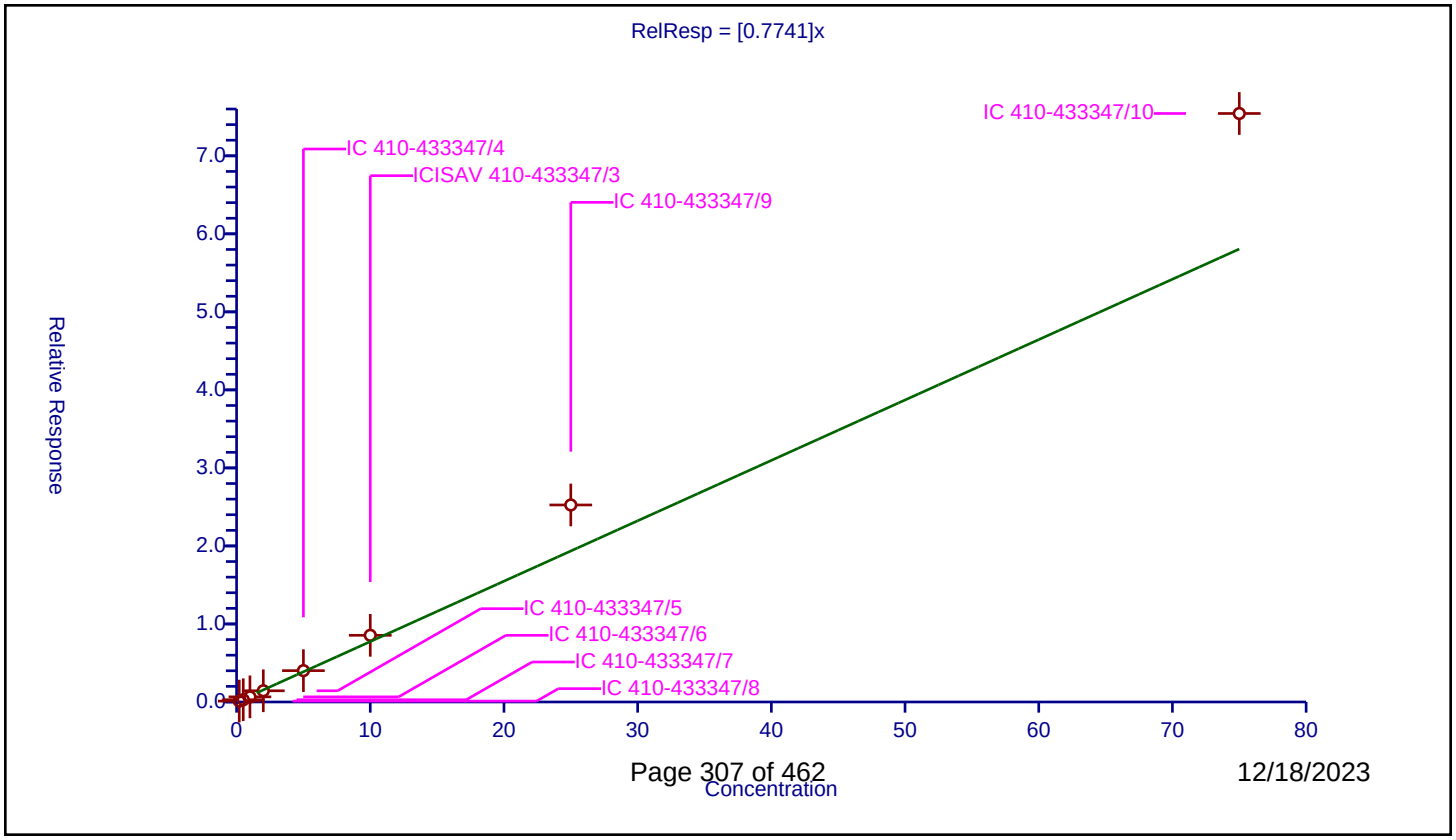
Curve Coefficients

Intercept:	0
Slope:	0.7741

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	22.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.112964	10.0	458198.0	0.564821	Y
2	IC 410-433347/7	0.5	0.288305	10.0	457467.0	0.57661	Y
3	IC 410-433347/6	1.0	0.658993	10.0	473237.0	0.658993	Y
4	IC 410-433347/5	2.0	1.43698	10.0	473639.0	0.71849	Y
5	IC 410-433347/4	5.0	4.016099	10.0	482752.0	0.80322	Y
6	ICISAV 410-433347/3	10.0	8.54681	10.0	496948.0	0.854681	Y
7	IC 410-433347/9	25.0	25.250733	10.0	486654.0	1.010029	Y
8	IC 410-433347/10	75.0	75.425924	10.0	520879.0	1.005679	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

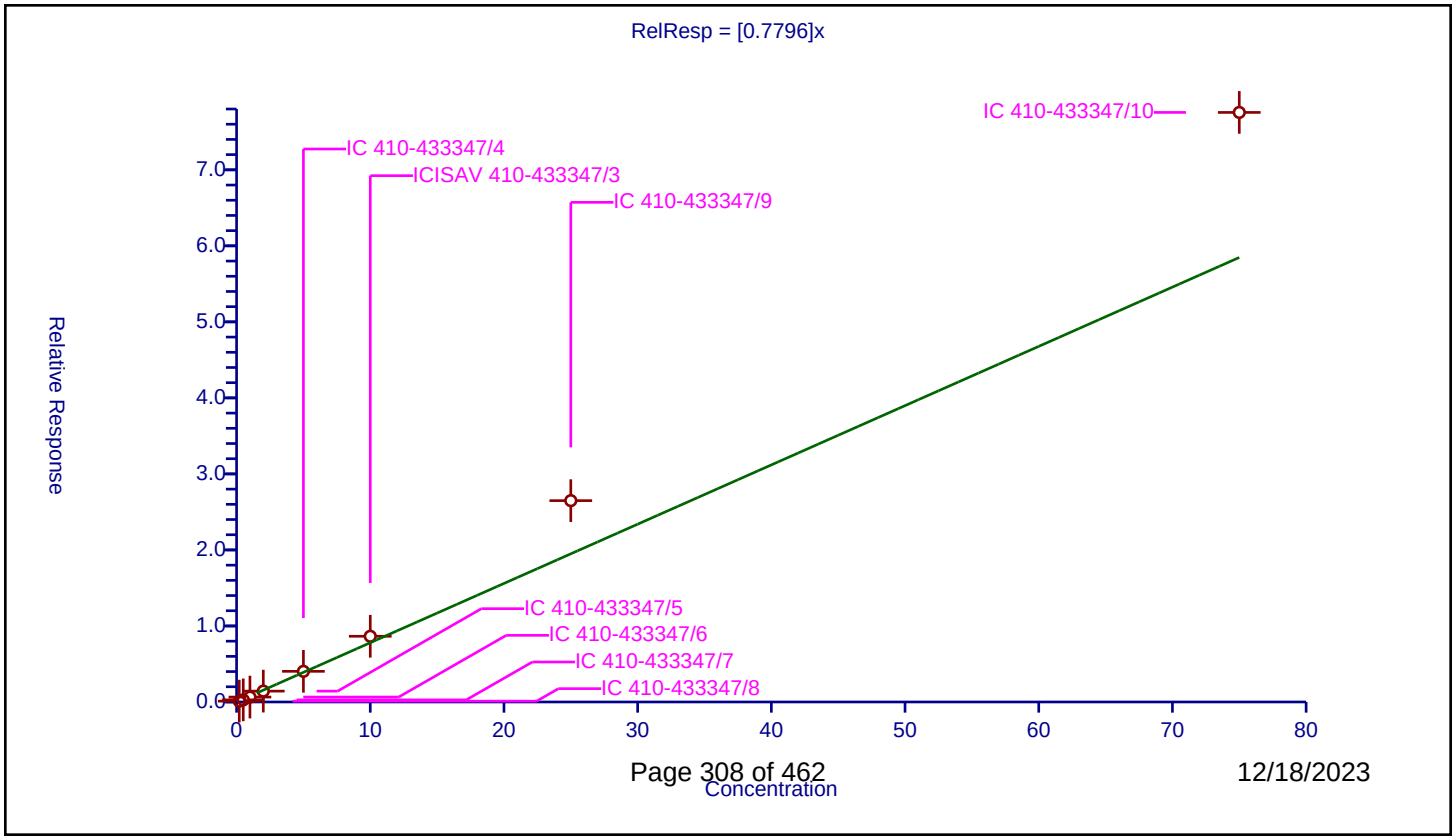
Curve Coefficients

Intercept:	0
Slope:	0.7796

Error Coefficients

Standard Error:	1610000
Relative Standard Error:	25.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.936

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.110585	10.0	458198.0	0.552927	Y
2	IC 410-433347/7	0.5	0.279102	10.0	457467.0	0.558204	Y
3	IC 410-433347/6	1.0	0.647773	10.0	473237.0	0.647773	Y
4	IC 410-433347/5	2.0	1.428176	10.0	473639.0	0.714088	Y
5	IC 410-433347/4	5.0	4.030807	10.0	482752.0	0.806161	Y
6	ICISAV 410-433347/3	10.0	8.644104	10.0	496948.0	0.86441	Y
7	IC 410-433347/9	25.0	26.48471	10.0	486654.0	1.059388	Y
8	IC 410-433347/10	75.0	77.551427	10.0	520879.0	1.034019	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

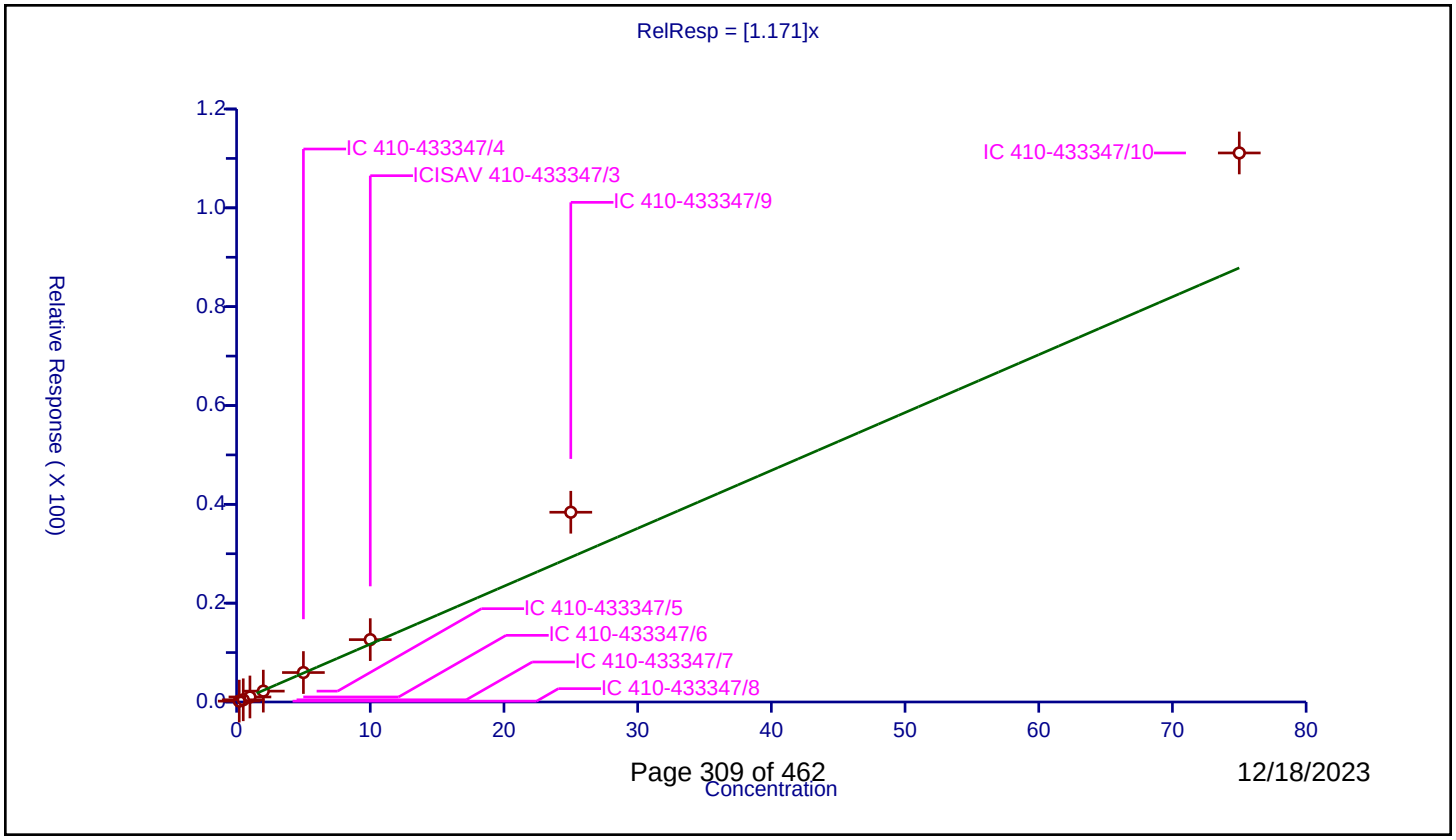
Curve Coefficients

Intercept:	0
Slope:	1.171

Error Coefficients

Standard Error:	2310000
Relative Standard Error:	21.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.177871	10.0	458198.0	0.889354	Y
2	IC 410-433347/7	0.5	0.445147	10.0	457467.0	0.890294	Y
3	IC 410-433347/6	1.0	1.019299	10.0	473237.0	1.019299	Y
4	IC 410-433347/5	2.0	2.199143	10.0	473639.0	1.099572	Y
5	IC 410-433347/4	5.0	5.962275	10.0	482752.0	1.192455	Y
6	ICISAV 410-433347/3	10.0	12.618383	10.0	496948.0	1.261838	Y
7	IC 410-433347/9	25.0	38.39989	10.0	486654.0	1.535996	Y
8	IC 410-433347/10	75.0	111.109106	10.0	520879.0	1.481455	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

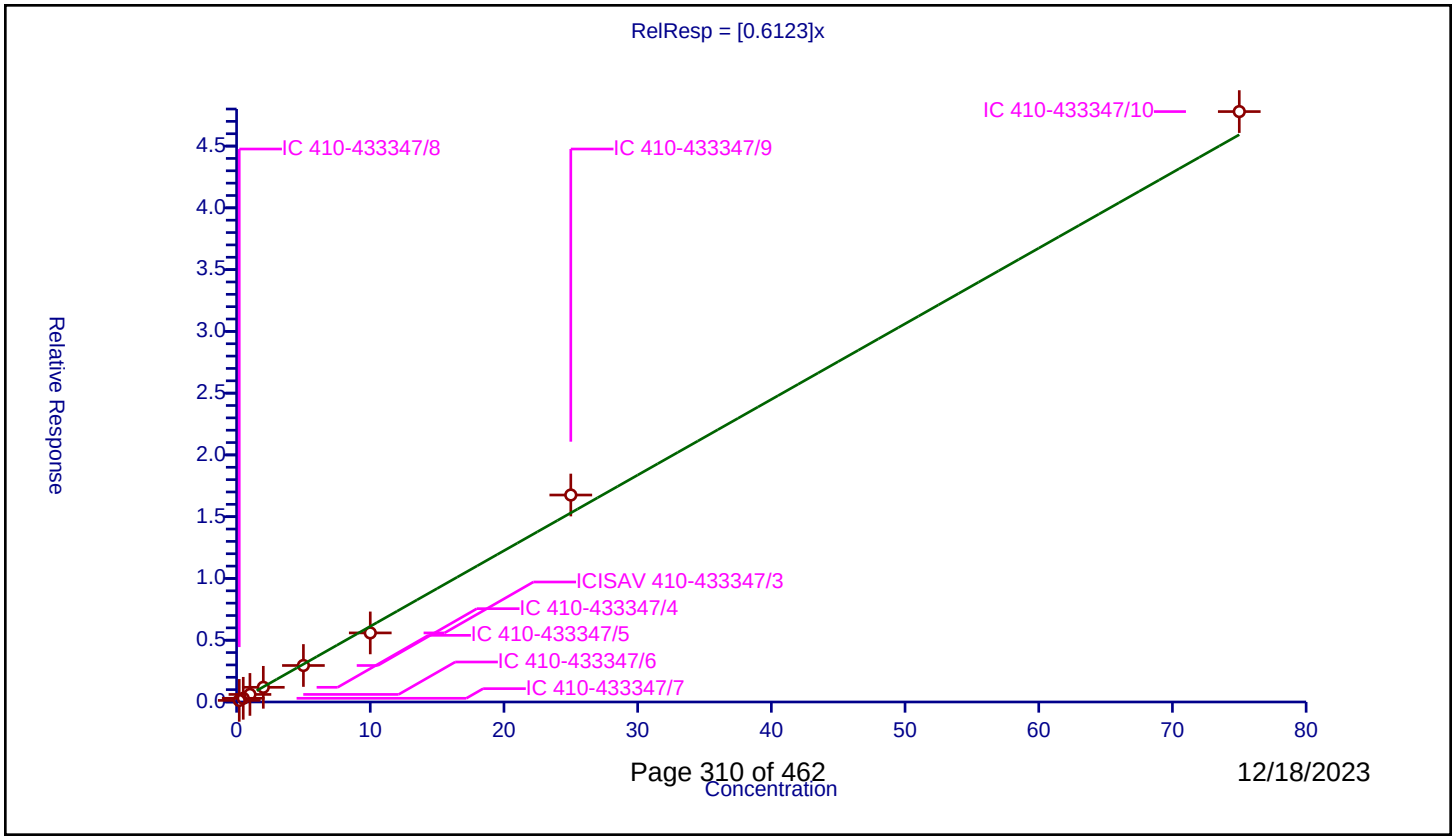
Curve Coefficients

Intercept:	0
Slope:	0.6123

Error Coefficients

Standard Error:	997000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.12798	10.0	458198.0	0.639898	Y
2	IC 410-433347/7	0.5	0.297901	10.0	457467.0	0.595803	Y
3	IC 410-433347/6	1.0	0.611237	10.0	473237.0	0.611237	Y
4	IC 410-433347/5	2.0	1.188141	10.0	473639.0	0.594071	Y
5	IC 410-433347/4	5.0	2.953566	10.0	482752.0	0.590713	Y
6	ICISAV 410-433347/3	10.0	5.591611	10.0	496948.0	0.559161	Y
7	IC 410-433347/9	25.0	16.753648	10.0	486654.0	0.670146	Y
8	IC 410-433347/10	75.0	47.792962	10.0	520879.0	0.637239	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

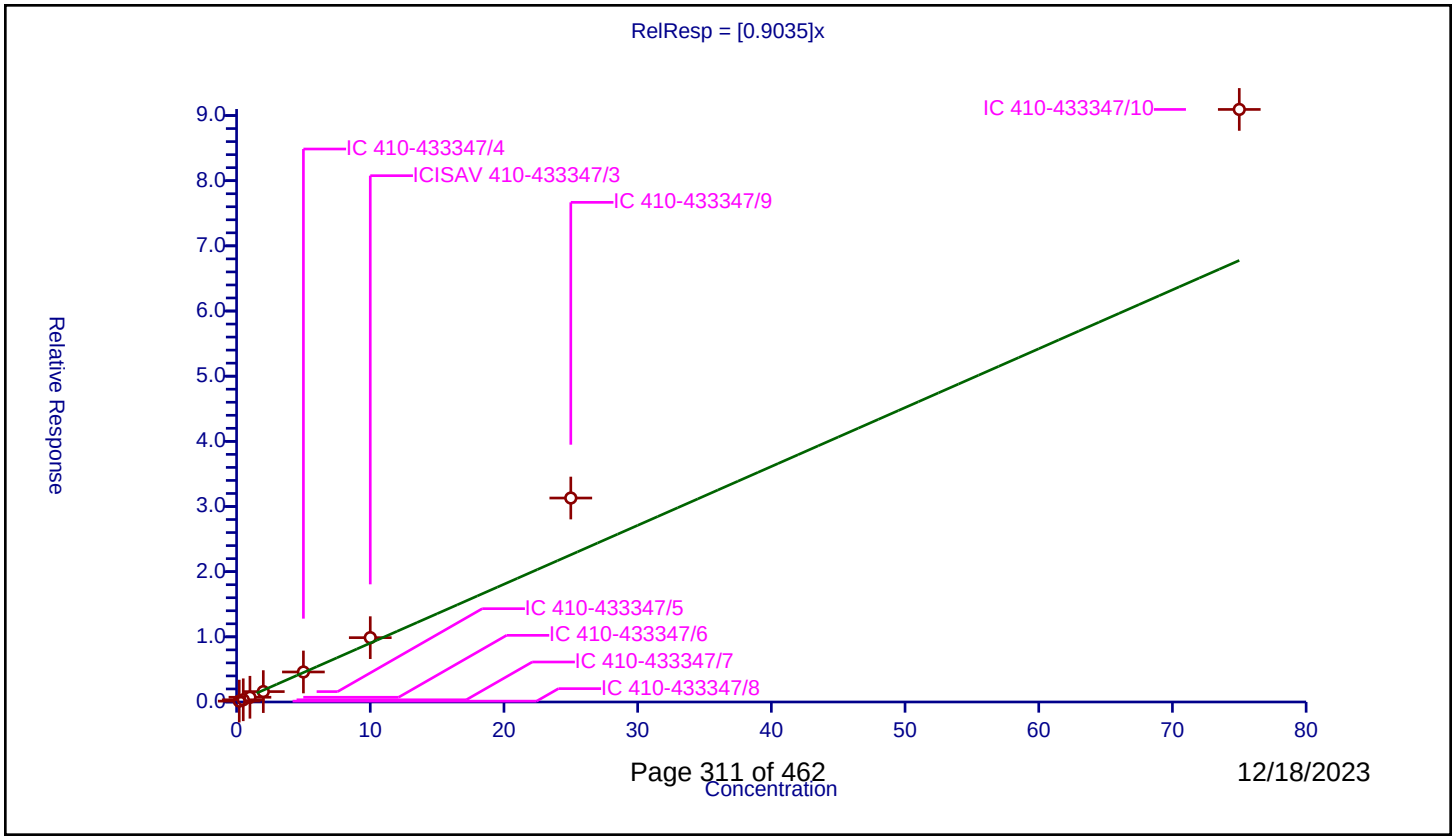
Curve Coefficients

Intercept:	0
Slope:	0.9035

Error Coefficients

Standard Error:	1890000
Relative Standard Error:	25.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.933

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.131166	10.0	458198.0	0.65583	Y
2	IC 410-433347/7	0.5	0.337401	10.0	457467.0	0.674803	Y
3	IC 410-433347/6	1.0	0.727817	10.0	473237.0	0.727817	Y
4	IC 410-433347/5	2.0	1.593471	10.0	473639.0	0.796735	Y
5	IC 410-433347/4	5.0	4.605781	10.0	482752.0	0.921156	Y
6	ICISAV 410-433347/3	10.0	9.873468	10.0	496948.0	0.987347	Y
7	IC 410-433347/9	25.0	31.300349	10.0	486654.0	1.252014	Y
8	IC 410-433347/10	75.0	90.934401	10.0	520879.0	1.212459	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

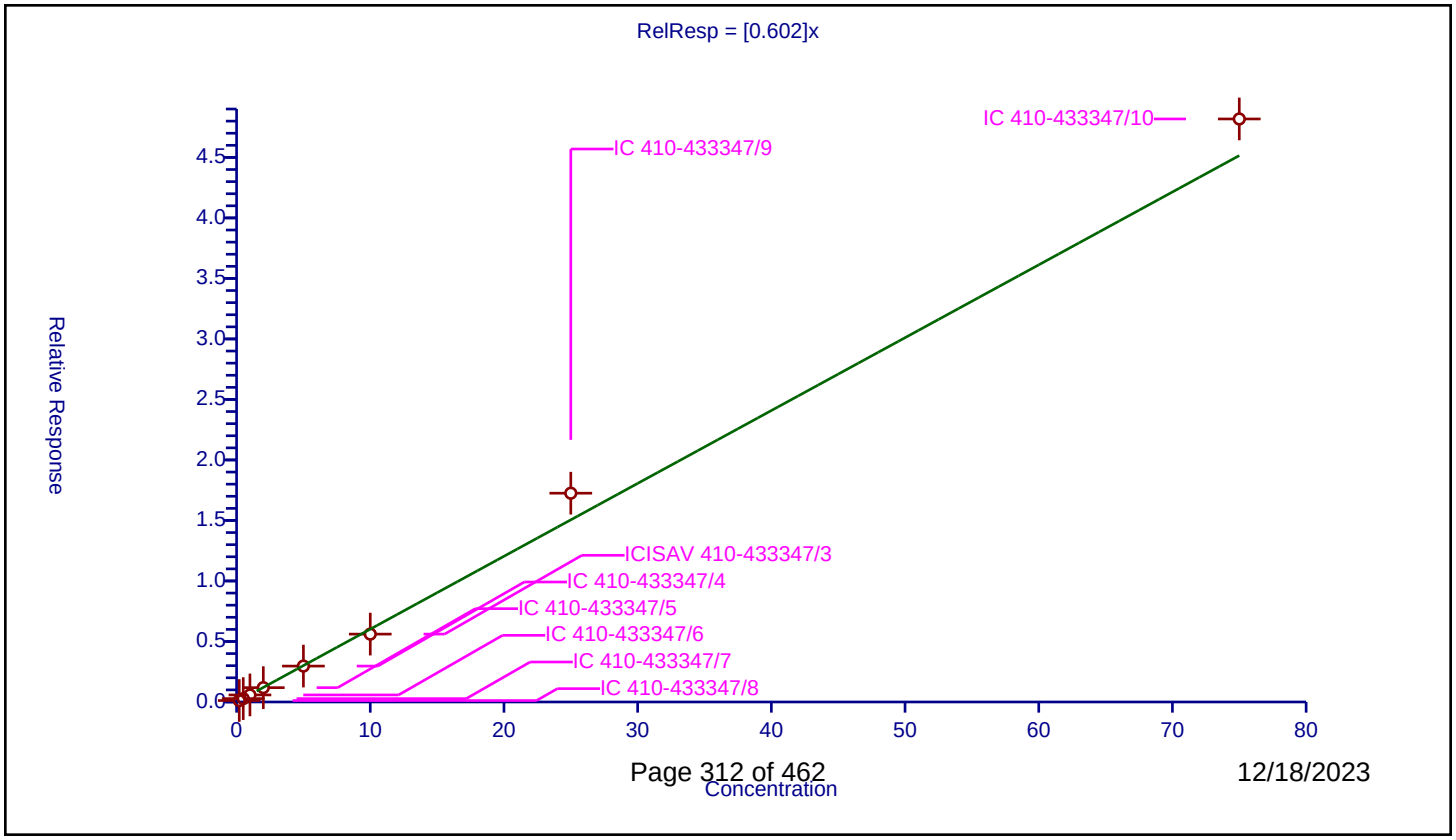
Curve Coefficients

Intercept:	0
Slope:	0.602

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	7.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.119512	10.0	458198.0	0.597558	Y
2	IC 410-433347/7	0.5	0.278381	10.0	457467.0	0.556761	Y
3	IC 410-433347/6	1.0	0.582478	10.0	473237.0	0.582478	Y
4	IC 410-433347/5	2.0	1.18489	10.0	473639.0	0.592445	Y
5	IC 410-433347/4	5.0	2.967839	10.0	482752.0	0.593568	Y
6	ICISAV 410-433347/3	10.0	5.610245	10.0	496948.0	0.561024	Y
7	IC 410-433347/9	25.0	17.253449	10.0	486654.0	0.690138	Y
8	IC 410-433347/10	75.0	48.177485	10.0	520879.0	0.642366	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

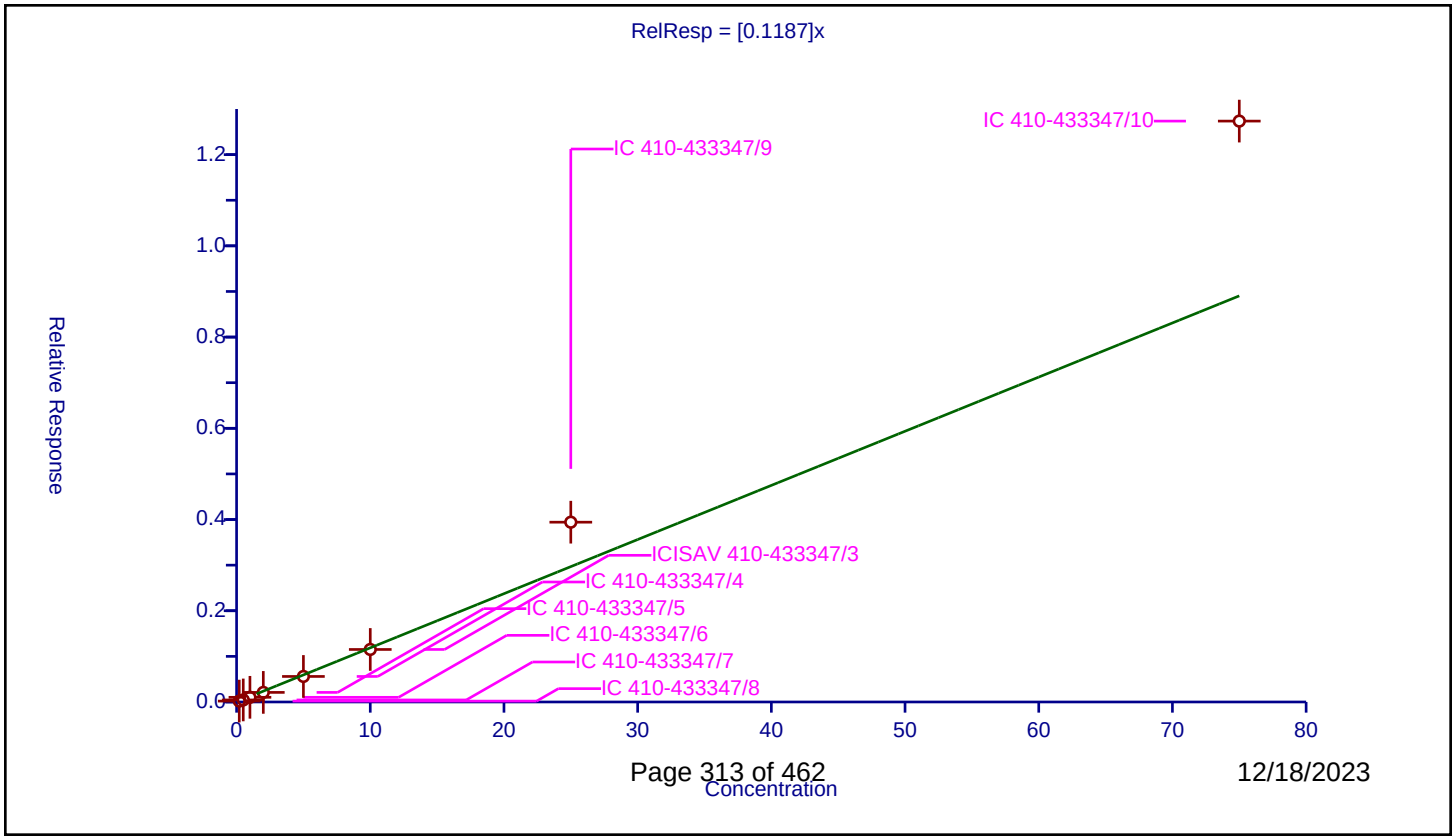
Curve Coefficients

Intercept:	0
Slope:	0.1187

Error Coefficients

Standard Error:	262000
Relative Standard Error:	24.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.937

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.019489	10.0	458198.0	0.097447	Y
2	IC 410-433347/7	0.5	0.045009	10.0	457467.0	0.090017	Y
3	IC 410-433347/6	1.0	0.102634	10.0	473237.0	0.102634	Y
4	IC 410-433347/5	2.0	0.210054	10.0	473639.0	0.105027	Y
5	IC 410-433347/4	5.0	0.559832	10.0	482752.0	0.111966	Y
6	ICISAV 410-433347/3	10.0	1.151247	10.0	496948.0	0.115125	Y
7	IC 410-433347/9	25.0	3.94163	10.0	486654.0	0.157665	Y
8	IC 410-433347/10	75.0	12.735088	10.0	520879.0	0.169801	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

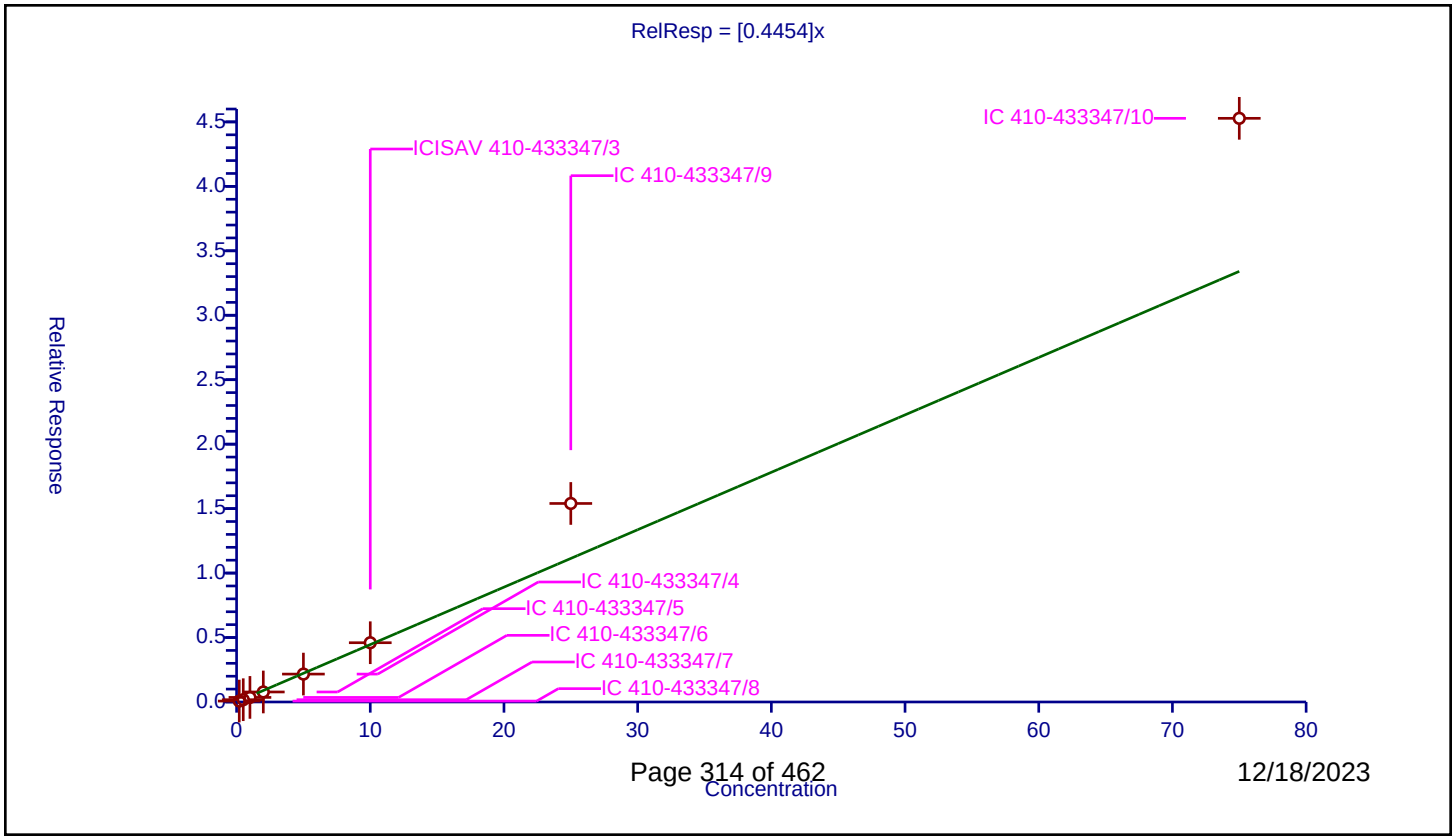
Curve Coefficients

Intercept:	0
Slope:	0.4454

Error Coefficients

Standard Error:	940000
Relative Standard Error:	24.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.938

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.070406	10.0	458198.0	0.352031	Y
2	IC 410-433347/7	0.5	0.177565	10.0	457467.0	0.355129	Y
3	IC 410-433347/6	1.0	0.355361	10.0	473237.0	0.355361	Y
4	IC 410-433347/5	2.0	0.776689	10.0	473639.0	0.388344	Y
5	IC 410-433347/4	5.0	2.165833	10.0	482752.0	0.433167	Y
6	ICISAV 410-433347/3	10.0	4.596839	10.0	496948.0	0.459684	Y
7	IC 410-433347/9	25.0	15.399545	10.0	486654.0	0.615982	Y
8	IC 410-433347/10	75.0	45.277521	10.0	520879.0	0.6037	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

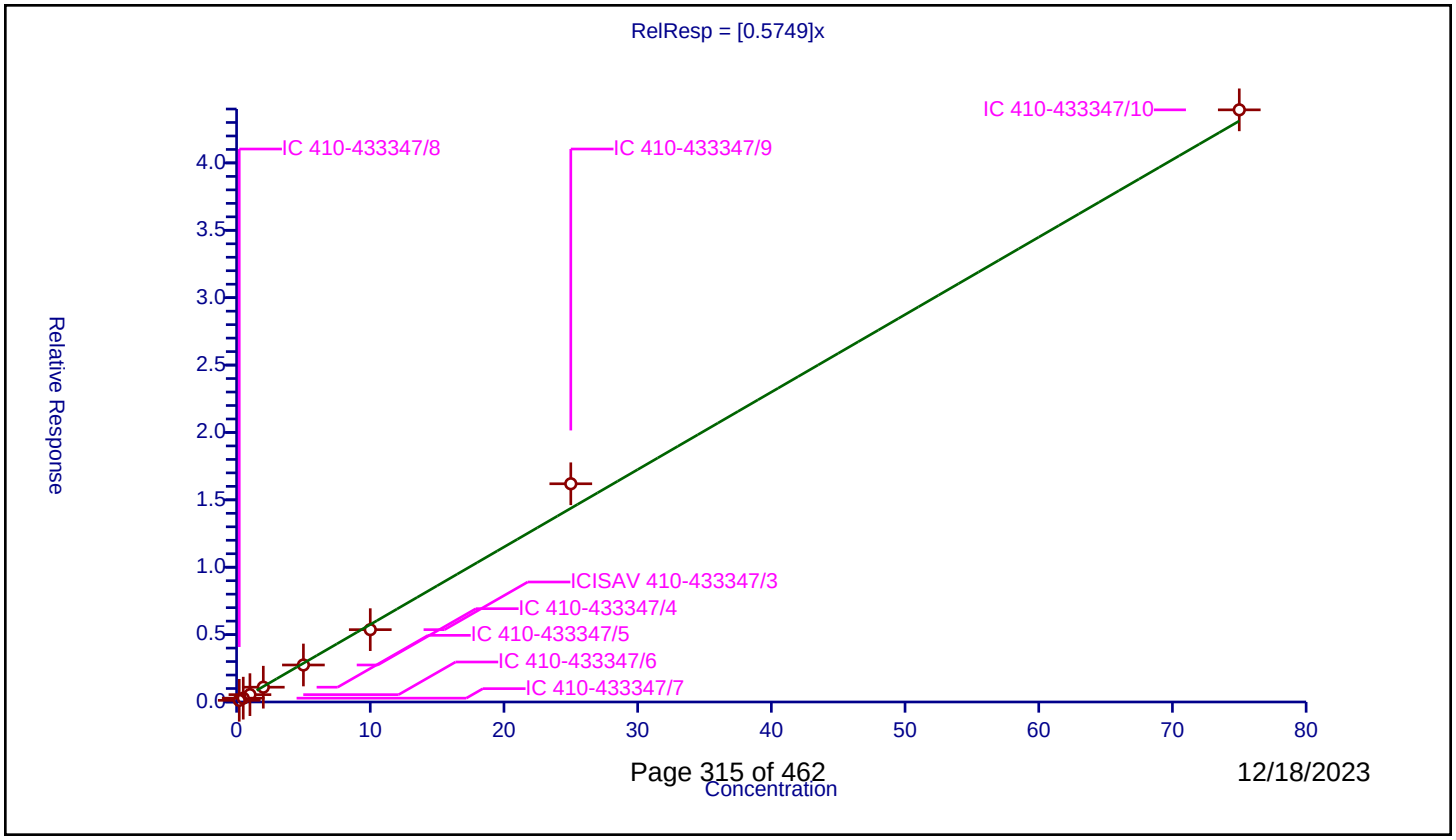
Curve Coefficients

Intercept:	0
Slope:	0.5749

Error Coefficients

Standard Error:	922000
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 410-433347/8	0.2	0.123418	10.0	458198.0	0.617091	Y
2	IC 410-433347/7	0.5	0.284064	10.0	457467.0	0.568128	Y
3	IC 410-433347/6	1.0	0.545583	10.0	473237.0	0.545583	Y
4	IC 410-433347/5	2.0	1.097291	10.0	473639.0	0.548646	Y
5	IC 410-433347/4	5.0	2.745923	10.0	482752.0	0.549185	Y
6	ICISAV 410-433347/3	10.0	5.366578	10.0	496948.0	0.536658	Y
7	IC 410-433347/9	25.0	16.192079	10.0	486654.0	0.647683	Y
8	IC 410-433347/10	75.0	43.939207	10.0	520879.0	0.585856	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

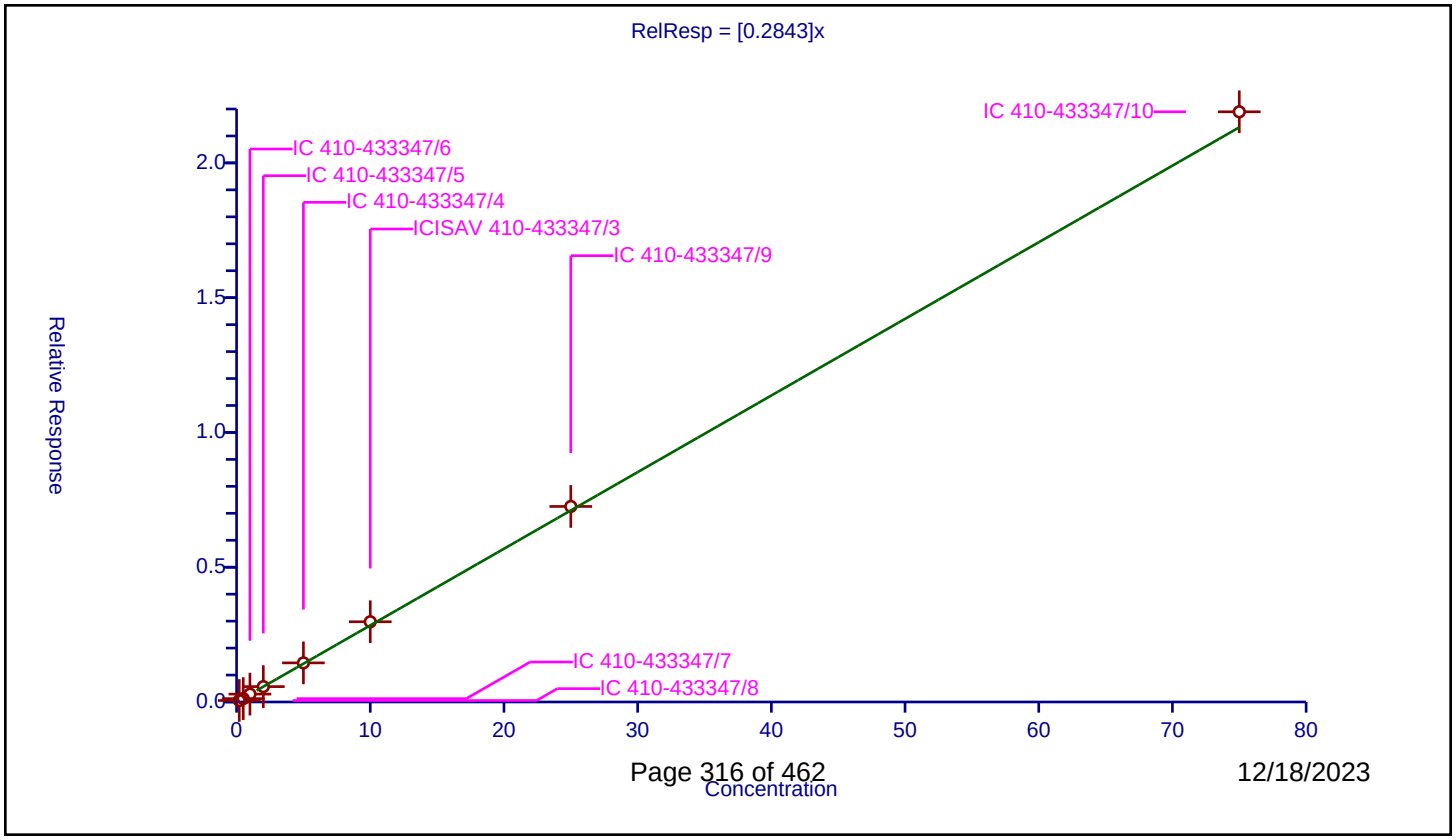
Curve Coefficients

Intercept:	0
Slope:	0.2843

Error Coefficients

Standard Error:	456000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.055369	10.0	458198.0	0.276845	Y
2	IC 410-433347/7	0.5	0.12484	10.0	457467.0	0.249679	Y
3	IC 410-433347/6	1.0	0.292834	10.0	473237.0	0.292834	Y
4	IC 410-433347/5	2.0	0.569864	10.0	473639.0	0.284932	Y
5	IC 410-433347/4	5.0	1.450413	10.0	482752.0	0.290083	Y
6	ICISAV 410-433347/3	10.0	2.976931	10.0	496948.0	0.297693	Y
7	IC 410-433347/9	25.0	7.254066	10.0	486654.0	0.290163	Y
8	IC 410-433347/10	75.0	21.897466	10.0	520879.0	0.291966	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

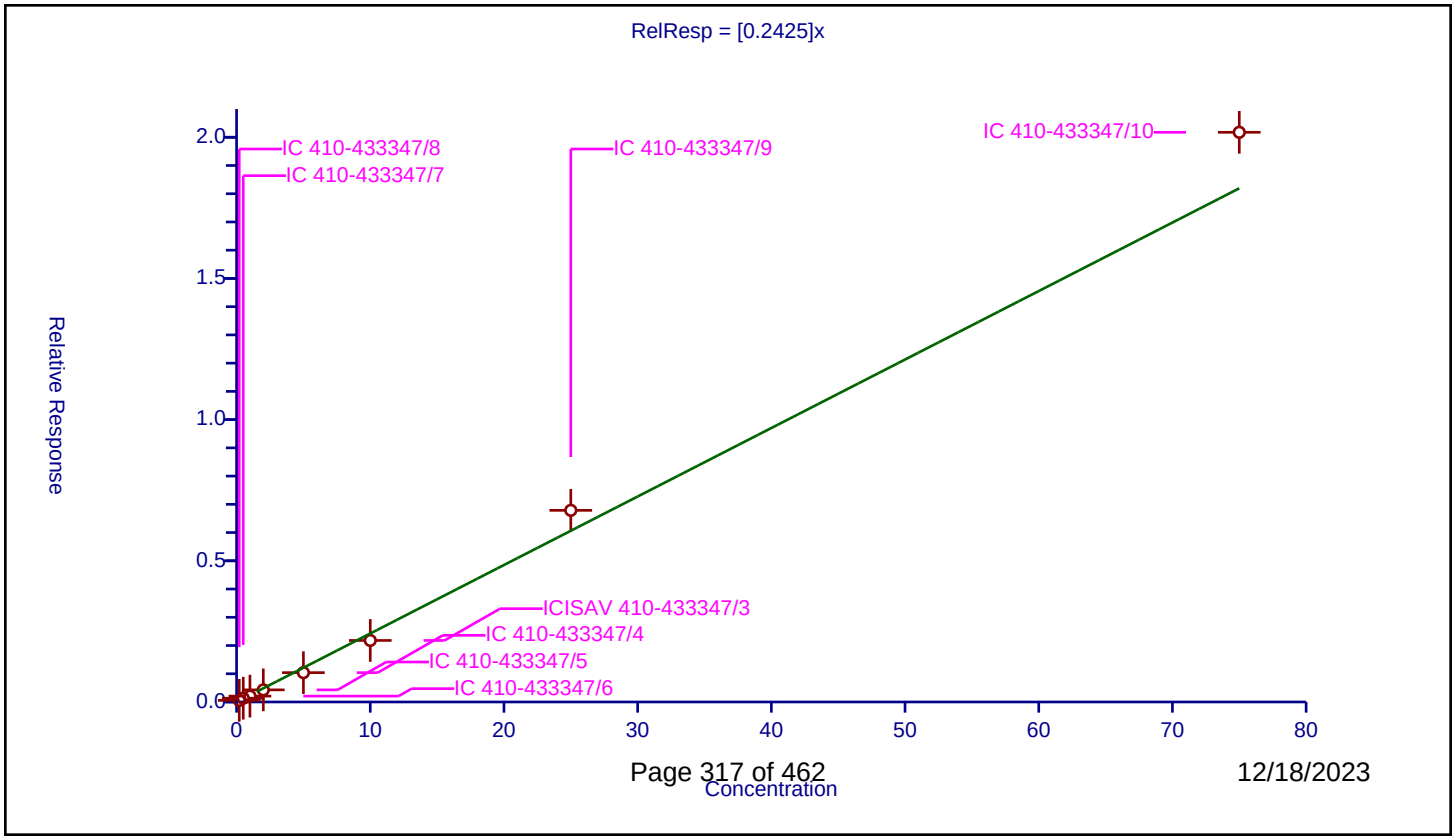
Curve Coefficients

Intercept:	0
Slope:	0.2425

Error Coefficients

Standard Error:	419000
Relative Standard Error:	13.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.056831	10.0	458198.0	0.284157	Y
2	IC 410-433347/7	0.5	0.133736	10.0	457467.0	0.267473	Y
3	IC 410-433347/6	1.0	0.207887	10.0	473237.0	0.207887	Y
4	IC 410-433347/5	2.0	0.42923	10.0	473639.0	0.214615	Y
5	IC 410-433347/4	5.0	1.039126	10.0	482752.0	0.207825	Y
6	ICISAV 410-433347/3	10.0	2.179182	10.0	496948.0	0.217918	Y
7	IC 410-433347/9	25.0	6.787204	10.0	486654.0	0.271488	Y
8	IC 410-433347/10	75.0	20.175453	10.0	520879.0	0.269006	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

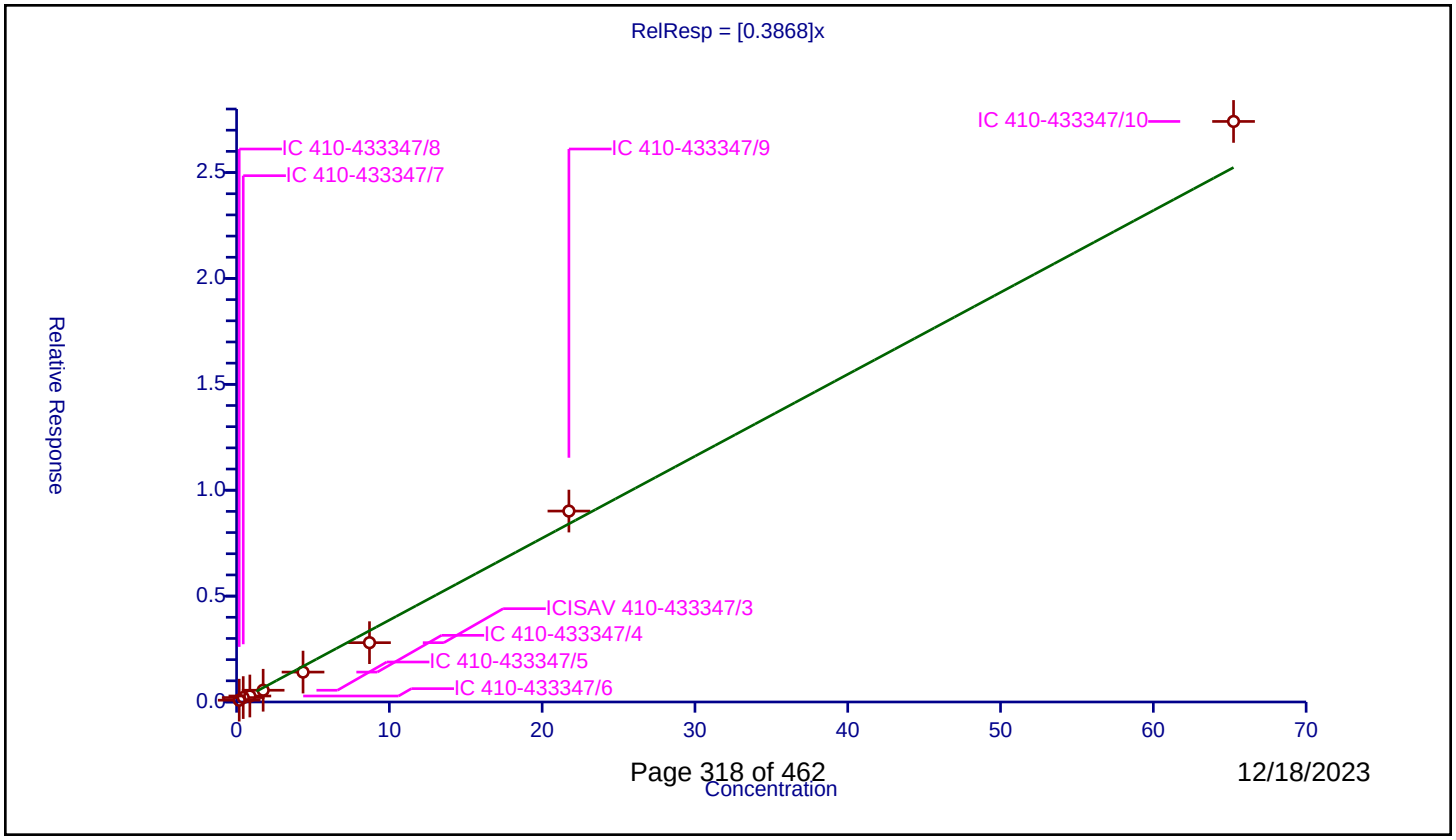
Curve Coefficients

Intercept:	0
Slope:	0.3868

Error Coefficients

Standard Error:	568000
Relative Standard Error:	18.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.947

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.174	0.085094	10.0	458198.0	0.489047	Y
2	IC 410-433347/7	0.435	0.208758	10.0	457467.0	0.479904	Y
3	IC 410-433347/6	0.87	0.283093	10.0	473237.0	0.325394	Y
4	IC 410-433347/5	1.74	0.555043	10.0	473639.0	0.31899	Y
5	IC 410-433347/4	4.35	1.411553	10.0	482752.0	0.324495	Y
6	ICISAV 410-433347/3	8.7	2.801158	10.0	496948.0	0.321972	Y
7	IC 410-433347/9	21.75	9.014947	10.0	486654.0	0.41448	Y
8	IC 410-433347/10	65.25	27.412892	10.0	520879.0	0.420121	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

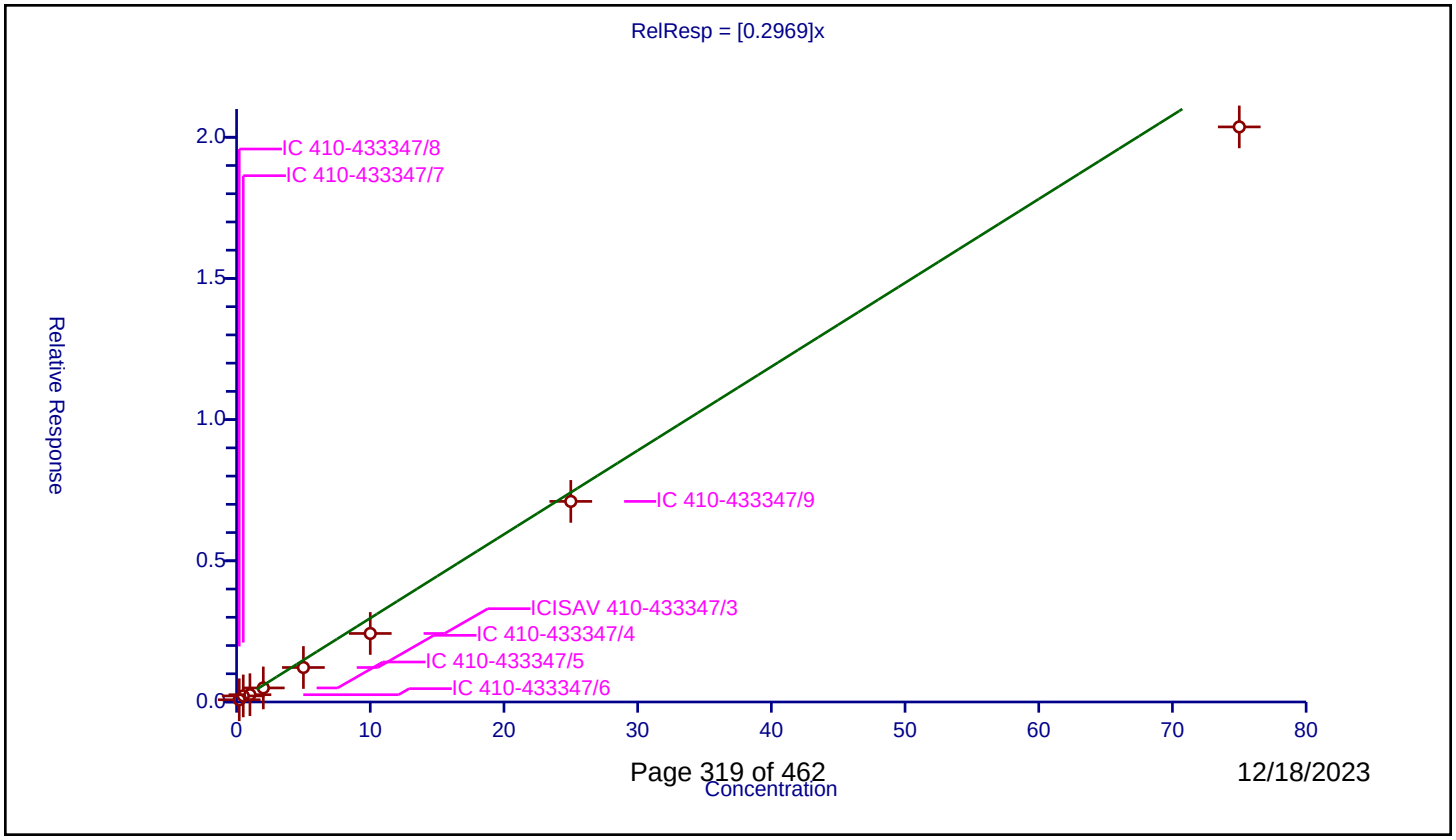
Curve Coefficients

Intercept:	0
Slope:	0.2969

Error Coefficients

Standard Error:	425000
Relative Standard Error:	24.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.902

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.078983	10.0	458198.0	0.394917	Y
2	IC 410-433347/7	0.5	0.214879	10.0	457467.0	0.429758	Y
3	IC 410-433347/6	1.0	0.258412	10.0	473237.0	0.258412	Y
4	IC 410-433347/5	2.0	0.498016	10.0	473639.0	0.249008	Y
5	IC 410-433347/4	5.0	1.222015	10.0	482752.0	0.244403	Y
6	ICISAV 410-433347/3	10.0	2.426592	10.0	496948.0	0.242659	Y
7	IC 410-433347/9	25.0	7.103959	10.0	486654.0	0.284158	Y
8	IC 410-433347/10	75.0	20.365978	10.0	520879.0	0.271546	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

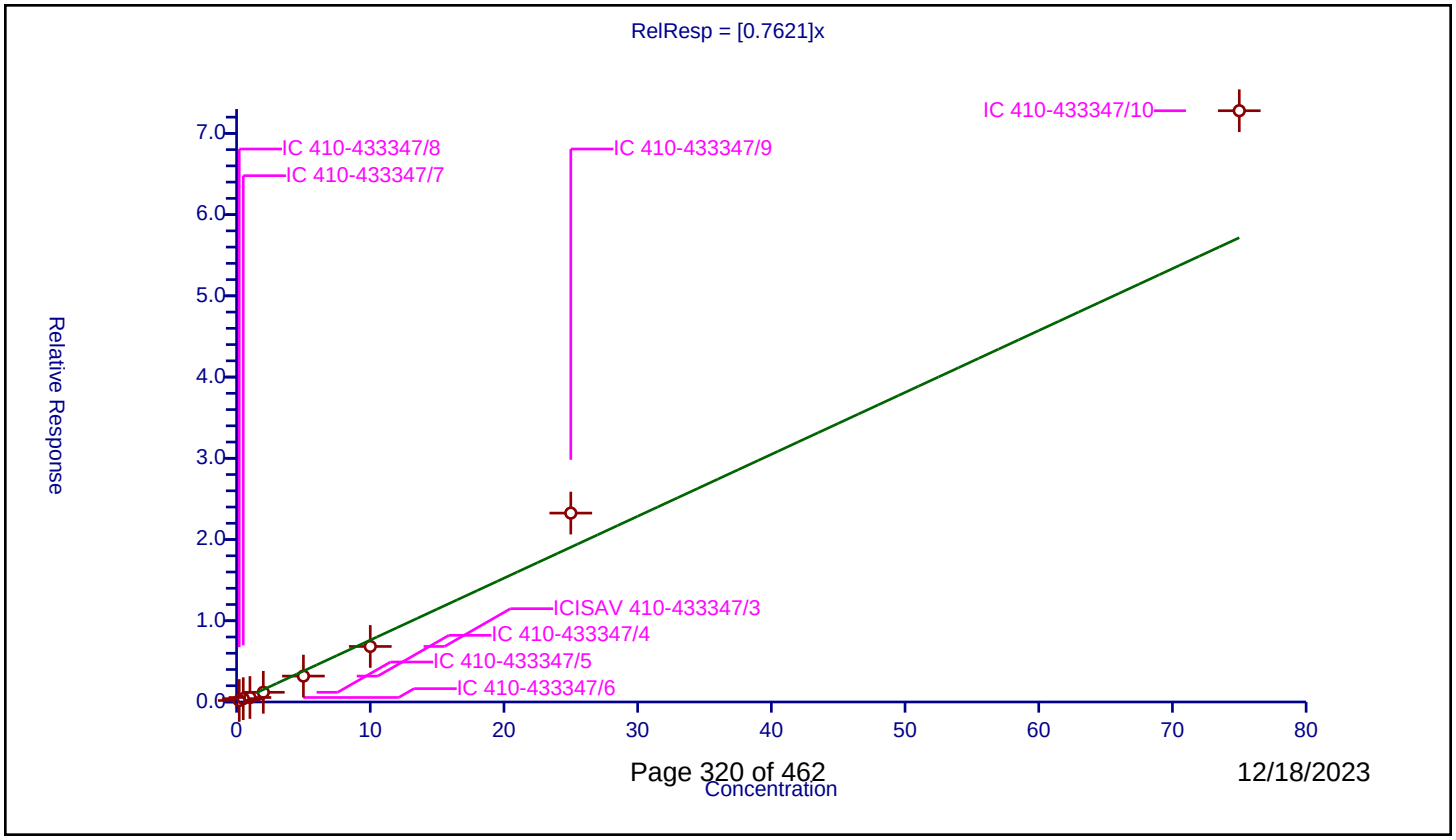
Curve Coefficients

Intercept:	0
Slope:	0.7621

Error Coefficients

Standard Error:	1500000
Relative Standard Error:	21.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.939

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 410-433347/8	0.2	0.180861	10.0	458198.0	0.904303	Y
2	IC 410-433347/7	0.5	0.409997	10.0	457467.0	0.819994	Y
3	IC 410-433347/6	1.0	0.554225	10.0	473237.0	0.554225	Y
4	IC 410-433347/5	2.0	1.192279	10.0	473639.0	0.59614	Y
5	IC 410-433347/4	5.0	3.188697	10.0	482752.0	0.637739	Y
6	ICISAV 410-433347/3	10.0	6.837255	10.0	496948.0	0.683725	Y
7	IC 410-433347/9	25.0	23.254797	10.0	486654.0	0.930192	Y
8	IC 410-433347/10	75.0	72.789477	10.0	520879.0	0.970526	Y



FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab Sample ID: ICV 410-433347/15 Calibration Date: 10/19/2023 19:45

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7O19X19.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	0.5757	0.5307		9.22	10.0	-7.8	30.0
Dichlorodifluoromethane	Ave	2.172	2.241		10.3	10.0	3.2	30.0
Chlorodifluoromethane	Ave	1.225	1.231		10.0	10.0	0.5	30.0
Freon-114	Ave	2.464	2.396		9.72	10.0	-2.8	30.0
Chloromethane	Ave	0.7312	0.6894		9.43	10.0	-5.7	30.0
Vinyl chloride	Ave	0.7960	0.8182		10.3	10.0	2.8	30.0
1,3-Butadiene	Ave	0.5155	0.5270		10.2	10.0	2.2	30.0
Bromomethane	Ave	0.7326	0.7669		10.5	10.0	4.7	30.0
Chloroethane	Ave	0.4949	0.4531		9.16	10.0	-8.4	30.0
Bromoethene	Ave	0.7044	0.7702		10.9	10.0	9.3	30.0
Dichlorofluoromethane	Ave	1.750	1.950		11.1	10.0	11.4	30.0
Trichlorofluoromethane	Ave	2.384	2.248		9.43	10.0	-5.7	30.0
Pentane	Ave	1.244	1.041		8.37	10.0	-16.3	30.0
Ethanol	Ave	0.1804	0.1842		10.2	10.0	2.1	30.0
Acrolein	Ave	0.2821	0.2899		10.3	10.0	2.8	30.0
1,1-Dichloroethene	Ave	1.223	1.256		10.3	10.0	2.7	30.0
Freon 113	Ave	1.441	1.317		9.14	10.0	-8.6	30.0
Acetone	Ave	1.185	1.073		9.05	10.0	-9.5	30.0
Iodomethane	Ave	1.772	1.899		10.7	10.0	7.2	30.0
Isopropanol	Ave	0.6750	0.5723		8.48	10.0	-15.2	30.0
Carbon disulfide	Ave	2.331	2.365		10.1	10.0	1.5	30.0
Acetonitrile	Ave	0.5242	0.5179		9.88	10.0	-1.2	30.0
3-Chloroprene	Ave	0.9235	0.9827		10.6	10.0	6.4	30.0
Methylene Chloride	Ave	0.8259	0.8210		9.94	10.0	-0.6	30.0
tert-Butyl alcohol	Ave	0.6589	0.6426		9.75	10.0	-2.5	30.0
Acrylonitrile	Ave	0.6809	0.6766		9.94	10.0	-0.6	30.0
Methyl t-butyl ether	Ave	1.983	1.994		10.1	10.0	0.6	30.0
trans-1,2-Dichloroethene	Ave	1.201	1.200		9.99	10.0	-0.1	30.0
Hexane	Ave	0.6581	0.6143		9.33	10.0	-6.7	30.0
Vinyl acetate	Ave	0.1791	0.1875		10.5	10.0	4.7	30.0
1,1-Dichloroethane	Ave	1.655	1.544		9.33	10.0	-6.7	30.0
di-Isopropyl ether	Ave	2.426	2.509		10.3	10.0	3.4	30.0
Ethyl tert-butyl ether	Ave	2.033	2.087		10.3	10.0	2.7	30.0
2-Butanone	Ave	0.3978	0.3850		9.68	10.0	-3.2	30.0
cis-1,2-Dichloroethene	Ave	1.450	1.420		9.79	10.0	-2.1	30.0
Ethyl acetate	Ave	0.2220	0.2037		9.18	10.0	-8.2	30.0
Methyl acrylate	Ave	1.347	1.336		9.92	10.0	-0.8	30.0
Tetrahydrofuran	Ave	0.8002	0.7744		9.68	10.0	-3.2	30.0
Chloroform	Ave	2.059	1.929		9.37	10.0	-6.3	30.0
1,1,1-Trichloroethane	Ave	1.969	1.893		9.62	10.0	-3.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab Sample ID: ICV 410-433347/15 Calibration Date: 10/19/2023 19:45

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7O19X19.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
Cyclohexane	Ave	1.213	1.228		10.1	10.0	1.3	30.0
Carbon tetrachloride	Ave	2.014	1.898		9.43	10.0	-5.7	30.0
Benzene	Ave	0.7810	0.7134		9.14	10.0	-8.6	30.0
1,2-Dichloroethane	Ave	0.3356	0.3148		9.38	10.0	-6.2	30.0
Isooctane	Ave	0.9324	1.018		10.9	10.0	9.1	30.0
Tert-amyl methyl ether	Ave	0.5052	0.5324		10.5	10.0	5.4	30.0
Heptane	Ave	0.2249	0.2334		10.4	10.0	3.8	30.0
Trichloroethene	Ave	0.3419	0.3238		9.47	10.0	-5.3	30.0
Ethyl acrylate	Ave	0.4148	0.3746		9.03	10.0	-9.7	30.0
1,2-Dichloropropane	Ave	0.3078	0.2652		8.61	10.0	-13.9	30.0
Methyl methacrylate	Ave	0.2206	0.2057		9.33	10.0	-6.7	30.0
1,4-Dioxane	Ave	0.1060	0.1088		10.3	10.0	2.7	30.0
Dibromomethane	Ave	0.2730	0.2643		9.68	10.0	-3.2	30.0
Bromodichloromethane	Ave	0.5415	0.4842		8.94	10.0	-10.6	30.0
cis-1,3-Dichloropropene	Ave	0.3835	0.3518		9.17	10.0	-8.3	30.0
4-Methyl-2-pentanone	Ave	0.4343	0.4222		9.72	10.0	-2.8	30.0
Toluene	Ave	0.9209	0.8980		9.75	10.0	-2.5	30.0
Octane	Ave	0.4733	0.4994		10.6	10.0	5.5	30.0
trans-1,3-Dichloropropene	Ave	0.3266	0.3293		10.1	10.0	0.8	30.0
Ethyl methacrylate	Ave	0.3385	0.3589		10.6	10.0	6.0	30.0
1,1,2-Trichloroethane	Ave	0.3329	0.3179		9.55	10.0	-4.5	30.0
Tetrachloroethene	Ave	0.4452	0.4316		9.69	10.0	-3.1	30.0
2-Hexanone	Ave	0.3817	0.4060		10.6	10.0	6.4	30.0
Dibromochloromethane	Ave	0.3875	0.3889		10.0	10.0	0.4	30.0
1,2-Dibromoethane	Ave	0.4478	0.4518		10.1	10.0	0.9	30.0
Chlorobenzene	Ave	0.7343	0.7044		9.59	10.0	-4.1	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3643	0.3699		10.2	10.0	1.5	30.0
Ethylbenzene	Ave	1.038	1.061		10.2	10.0	2.3	30.0
m&p-Xylene	Ave	0.7637	0.8009		10.5	10.0	4.9	30.0
o-Xylene	Ave	0.7299	0.7558		10.4	10.0	3.5	30.0
Styrene	Ave	0.4961	0.5826		11.7	10.0	17.4	30.0
Bromoform	Ave	0.3976	0.3963		9.97	10.0	-0.3	30.0
Cumene	Ave	0.9701	1.037		10.7	10.0	6.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6618	0.6321		9.55	10.0	-4.5	30.0
Bromobenzene	Ave	0.3637	0.3504		9.64	10.0	-3.6	30.0
1,2,3-Trichloropropane	Ave	0.1884	0.1765		9.37	10.0	-6.3	30.0
N-Propylbenzene	Ave	0.2934	0.2964		10.1	10.0	1.0	30.0
2-Chlorotoluene	Ave	0.2738	0.2860		10.4	10.0	4.5	30.0
4-Ethyltoluene	Ave	1.014	1.114		11.0	10.0	9.9	30.0
1,3,5-Trimethylbenzene	Ave	0.8498	0.9489		11.2	10.0	11.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab Sample ID: ICV 410-433347/15 Calibration Date: 10/19/2023 19:45

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7O19X19.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
Alpha Methyl Styrene	Ave	0.3355	0.3723		11.1	10.0	11.0	30.0
tert-Butylbenzene	Ave	0.7741	0.8749		11.3	10.0	13.0	30.0
1,2,4-Trimethylbenzene	Ave	0.7796	0.9093		11.7	10.0	16.6	30.0
sec-Butylbenzene	Ave	1.171	1.300		11.1	10.0	11.0	30.0
1,3-Dichlorobenzene	Ave	0.6123	0.6265		10.2	10.0	2.3	30.0
p-Isopropyltoluene	Ave	0.9035	1.052		11.6	10.0	16.4	30.0
1,4-Dichlorobenzene	Ave	0.6020	0.6304		10.5	10.0	4.7	30.0
Benzyl chloride	Ave	0.1187	0.1301		11.0	10.0	9.6	30.0
n-Butylbenzene	Ave	0.4454	0.5082		11.4	10.0	14.1	30.0
1,2-Dichlorobenzene	Ave	0.5749	0.6207		10.8	10.0	8.0	30.0
Hexachloroethane	Ave	0.2843	0.3050		10.7	10.0	7.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2425	0.2768		11.4	10.0	14.1	30.0
1,2,4-Trichlorobenzene	Ave	0.3868	0.4101		10.6	10.0	6.0	30.0
Hexachlorobutadiene	Ave	0.2969	0.3490		11.8	10.0	17.6	30.0
Naphthalene	Ave	0.7621	0.9894		13.0	10.0	29.8	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X19.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 19-Oct-2023 19:45:11 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 410-0094107-015
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist:

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 23-Oct-2023 13:45:28 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1603

First Level Reviewer: MLX9 Date: 20-Oct-2023 08:03:28

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	1.981	1.981	0.000	99	66676	10.0	9.22	
2 Dichlorodifluoromethane	85	2.018	2.014	0.004	99	281566	10.0	10.3	
3 Chlorodifluoromethane	51	2.048	2.044	0.004	97	154667	10.0	10.0	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.168	2.164	0.004	97	300992	10.0	9.72	
5 Chloromethane	50	2.251	2.236	0.015	99	86607	10.0	9.43	
6 Vinyl chloride	62	2.382	2.382	0.000	98	102793	10.0	10.3	
7 Butadiene	54	2.416	2.408	0.008	90	66209	10.0	10.2	
8 Bromomethane	94	2.757	2.757	0.000	91	96344	10.0	10.5	
9 Chloroethane	64	2.877	2.869	0.008	99	56924	10.0	9.16	
10 Vinyl bromide	106	3.072	3.064	0.008	98	96764	10.0	10.9	
13 Dichlorofluoromethane	67	3.113	3.105	0.008	97	244970	10.0	11.1	
12 Trichlorofluoromethane	101	3.139	3.139	0.000	99	282457	10.0	9.43	
11 Pentane	43	3.233	3.233	0.000	94	130724	10.0	8.37	
14 Ethanol	45	3.312	3.312	0.000	97	23138	10.0	10.2	
19 Acrolein	56	3.570	3.563	0.007	99	36419	10.0	10.3	
15 1,1-Dichloroethene	61	3.668	3.668	0.000	97	157811	10.0	10.3	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.683	3.683	0.000	95	165447	10.0	9.14	
23 Acetone	43	3.709	3.709	0.000	100	134800	10.0	9.05	
18 Iodomethane	142	3.818	3.814	0.004	99	238577	10.0	10.7	
20 Isopropyl alcohol	45	3.836	3.836	0.000	96	71895	10.0	8.48	
17 Carbon disulfide	76	3.889	3.885	0.004	99	297070	10.0	10.1	
28 Acetonitrile	41	3.986	3.986	0.000	98	65060	10.0	9.88	
21 3-Chloro-1-propene	41	4.028	4.028	0.000	89	123462	10.0	10.6	M
22 Methylene Chloride	84	4.159	4.155	0.004	89	103142	10.0	9.94	
27 2-Methyl-2-propanol	59	4.237	4.237	0.000	95	80727	10.0	9.75	
31 Acrylonitrile	53	4.376	4.376	0.000	98	85000	10.0	9.94	
26 Methyl tert-butyl ether	73	4.406	4.406	0.000	97	250508	10.0	10.1	
24 trans-1,2-Dichloroethene	61	4.414	4.414	0.000	99	150700	10.0	10.0	
25 Hexane	56	4.676	4.680	-0.004	92	77172	10.0	9.33	
33 Vinyl acetate	86	4.822	4.826	-0.004	97	23556	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
30 1,1-Dichloroethane	63	4.834	4.833	0.001	96	194033	10.0	9.33	
29 Isopropyl ether	45	4.852	4.856	-0.004	89	315162	10.0	10.3	
32 Tert-butyl ethyl ether	59	5.190	5.193	-0.003	95	262237	10.0	10.3	
43 2-Butanone (MEK)	72	5.343	5.343	0.000	100	48372	10.0	9.68	
34 cis-1,2-Dichloroethene	61	5.366	5.362	0.004	81	178346	10.0	9.79	
38 Ethyl acetate	70	5.370	5.370	0.000	92	25587	10.0	9.18	
39 Methyl acrylate	55	5.418	5.418	0.000	100	167825	10.0	9.92	
* 35 Chlorobromomethane (IS)	130	5.587	5.587	0.000	93	125630	10.0	10.0	
41 Tetrahydrofuran	42	5.598	5.598	0.000	87	97290	10.0	9.68	
37 Chloroform	83	5.677	5.673	0.004	93	242283	10.0	9.37	
42 1,1,1-Trichloroethane	97	5.842	5.842	0.000	99	237872	10.0	9.62	
36 Cyclohexane	56	5.913	5.913	0.000	90	154264	10.0	10.1	
40 Carbon tetrachloride	117	5.988	5.984	0.004	98	238487	10.0	9.43	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.146	6.146	0.000	0	165814	10.0	9.68	
46 Benzene	78	6.176	6.176	0.000	93	363409	10.0	9.14	
48 1,2-Dichloroethane	62	6.221	6.220	0.001	97	160377	10.0	9.38	
44 Isooctane	57	6.284	6.284	0.000	96	518424	10.0	10.9	
47 Tert-amyl methyl ether	73	6.284	6.288	-0.004	87	271183	10.0	10.5	
45 n-Heptane	71	6.430	6.434	-0.004	88	118878	10.0	10.4	
* 50 1,4-Difluorobenzene	114	6.565	6.565	0.000	94	509385	10.0	10.0	
49 Trichloroethene	130	6.802	6.798	0.004	99	164956	10.0	9.47	
52 Ethyl acrylate	55	6.858	6.862	-0.004	99	190801	10.0	9.03	
53 1,2-Dichloropropane	63	7.057	7.060	-0.004	93	135078	10.0	8.61	
55 Methyl methacrylate	69	7.086	7.086	0.000	89	104794	10.0	9.33	
56 1,4-Dioxane	88	7.116	7.120	-0.004	92	55435	10.0	10.3	
51 Dibromomethane	174	7.143	7.146	-0.003	93	134608	10.0	9.68	
54 Dichlorobromomethane	83	7.311	7.311	0.000	100	246643	10.0	8.94	
57 cis-1,3-Dichloropropene	75	7.750	7.754	-0.004	96	179224	10.0	9.17	
60 4-Methyl-2-pentanone (MIBK)	43	7.889	7.892	-0.003	98	215066	10.0	9.72	
$ 103 Toluene-d8 (Surr)	98	8.027	8.031	-0.004	93	580903	10.0	10.1	
59 Toluene	91	8.099	8.106	-0.007	99	443639	10.0	9.75	
58 n-Octane	43	8.215	8.219	-0.004	82	246718	10.0	10.6	
62 trans-1,3-Dichloropropene	75	8.335	8.335	0.000	90	162681	10.0	10.1	
63 Ethyl methacrylate	69	8.376	8.376	0.000	88	177311	10.0	10.6	
64 1,1,2-Trichloroethane	97	8.545	8.548	-0.003	90	157024	10.0	9.55	
61 Tetrachloroethene	166	8.642	8.650	-0.008	93	213235	10.0	9.69	
67 2-Hexanone	43	8.766	8.770	-0.004	97	200551	10.0	10.6	
65 Chlorodibromomethane	127	8.957	8.961	-0.004	89	192135	10.0	10.0	
66 Ethylene Dibromide	107	9.092	9.099	-0.007	99	223180	10.0	10.1	
* 68 Chlorobenzene-d5 (IS)	117	9.602	9.606	-0.004	85	494008	10.0	10.0	
69 Chlorobenzene	112	9.636	9.639	-0.003	98	347995	10.0	9.59	
71 1,1,1,2-Tetrachloroethane	131	9.733	9.737	-0.004	95	182717	10.0	10.2	
70 Ethylbenzene	91	9.741	9.741	0.000	99	524133	10.0	10.2	
72 m-Xylene & p-Xylene	91	9.887	9.890	-0.003	98	395664	10.0	10.5	
73 o-Xylene	91	10.333	10.329	0.004	96	373349	10.0	10.4	
74 Styrene	104	10.352	10.355	-0.003	94	287807	10.0	11.7	
75 Bromoform	173	10.565	10.565	0.000	94	195773	10.0	9.97	
76 Isopropylbenzene	105	10.753	10.753	0.000	96	512390	10.0	10.7	
79 1,1,2,2-Tetrachloroethane	83	11.116	11.120	-0.004	95	312264	10.0	9.55	
78 Bromobenzene	156	11.131	11.135	-0.004	96	173112	10.0	9.64	
83 1,2,3-Trichloropropane	110	11.188	11.191	-0.003	87	87191	10.0	9.37	
77 N-Propylbenzene	120	11.244	11.244	0.000	99	146438	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
81 2-Chlorotoluene	126	11.349	11.352	-0.003	97	141291	10.0	10.4	
80 4-Ethyltoluene	105	11.383	11.382	0.000	97	550536	10.0	11.0	
82 1,3,5-Trimethylbenzene	105	11.450	11.454	-0.004	95	468768	10.0	11.2	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	91	183909	10.0	11.1	
85 tert-Butylbenzene	119	11.791	11.795	-0.004	93	432183	10.0	11.3	
86 1,2,4-Trimethylbenzene	105	11.855	11.859	-0.004	98	449188	10.0	11.7	
87 sec-Butylbenzene	105	12.027	12.027	0.000	95	642241	10.0	11.1	
89 1,3-Dichlorobenzene	146	12.151	12.151	0.000	97	309498	10.0	10.2	
88 4-Isopropyltoluene	119	12.185	12.185	0.000	97	519471	10.0	11.6	
90 1,4-Dichlorobenzene	146	12.252	12.256	-0.004	95	311401	10.0	10.5	
92 Benzyl chloride	126	12.368	12.368	0.000	99	64250	10.0	11.0	
91 n-Butylbenzene	92	12.586	12.586	0.000	97	251056	10.0	11.4	
94 1,2-Dichlorobenzene	146	12.605	12.608	-0.003	97	306644	10.0	10.8	
93 Hexachloroethane	117	12.859	12.859	0.000	87	150660	10.0	10.7	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.321	0.000	84	136744	10.0	11.4	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	94	202595	10.0	10.6	
96 Hexachlorobutadiene	225	14.115	14.112	0.003	95	172404	10.0	11.8	
98 Naphthalene	128	14.217	14.220	-0.003	97	488762	10.0	13.0	
S 100 1,2-Dichloroethene, Total	61				0	329046	20.0	19.8	
S 109 1,3-Dichloropropene, Total	75				0		20.0	19.3	
S 101 Xylenes, Total	91				0	769013	20.0	20.8	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRLCS10.0_00348	Amount Added: 200.00	Units: ml	
AIRIS200 ppb_00245	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 23-Oct-2023 13:47:11 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X19.D

Injection Date: 19-Oct-2023 19:45:11 Instrument ID: HP8R004

Lims ID: ICV

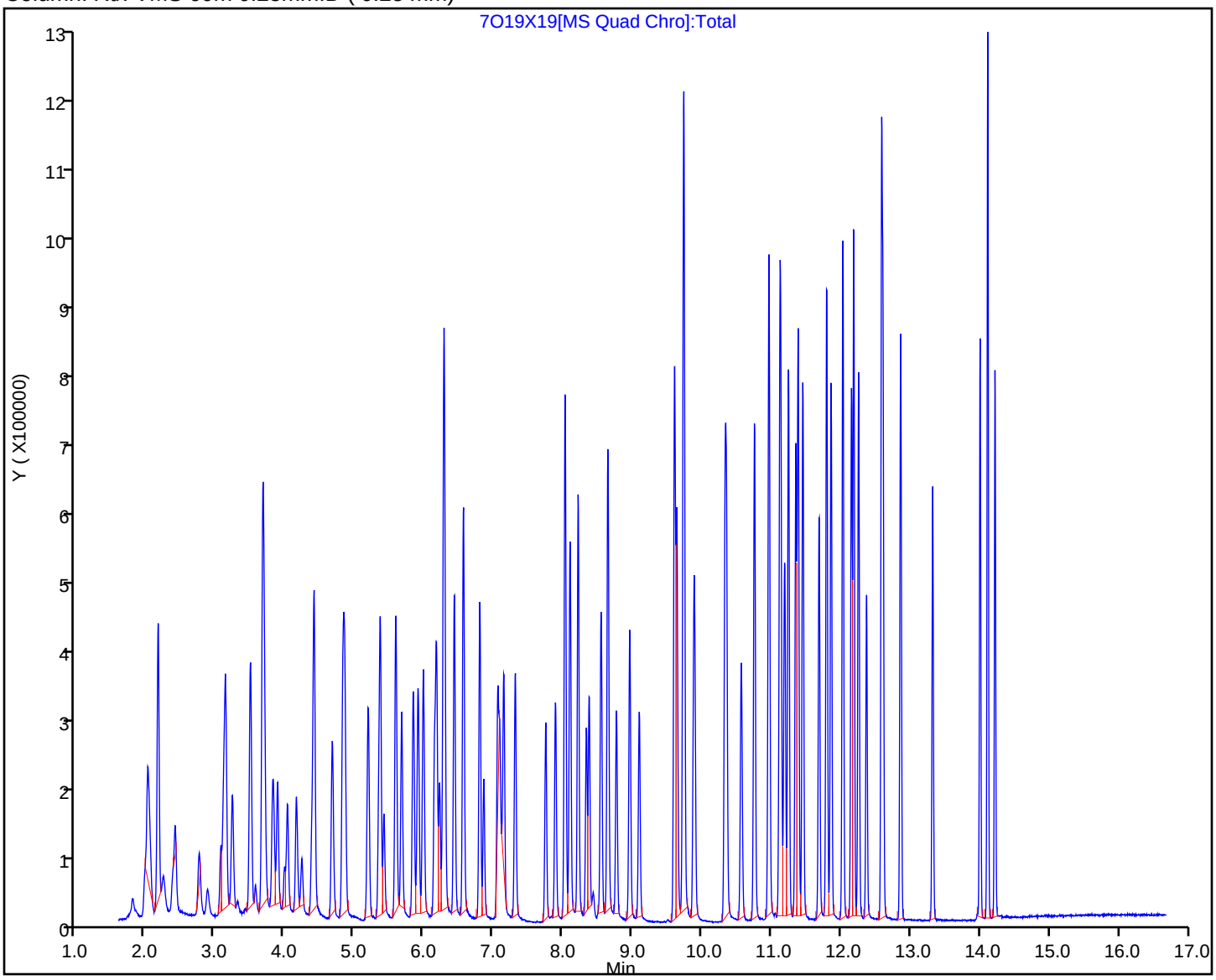
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 15

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

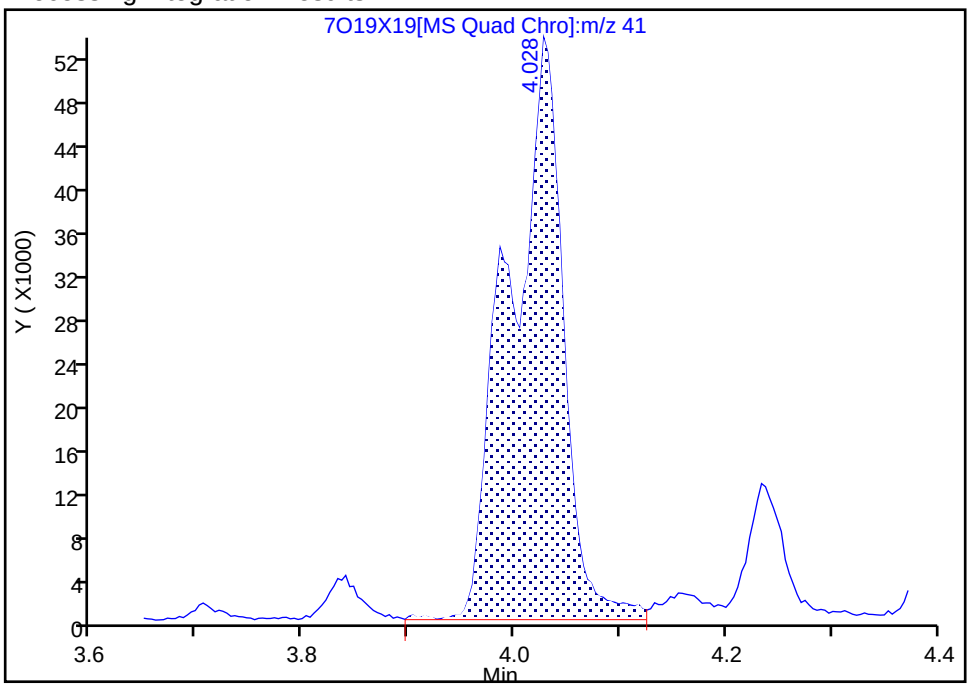
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X19.D				
Injection Date:	19-Oct-2023 19:45:11	Instrument ID:	HP8R004		
Lims ID:	ICV				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	15
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

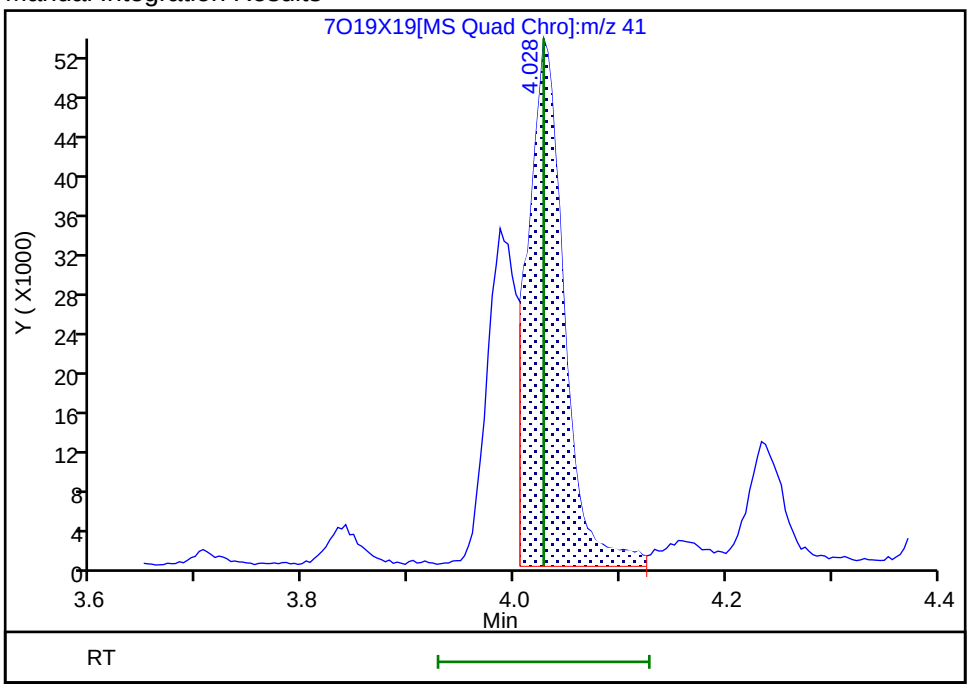
Processing Integration Results

RT: 4.03
Area: 189058
Amount: 16.295935
Amount Units: ppb v/v



Manual Integration Results

RT: 4.03
Area: 123462
Amount: 10.641860
Amount Units: ppb v/v



Reviewer: MLX9, 20-Oct-2023 08:03:06 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab Sample ID: CCVIS 410-453905/3 Calibration Date: 12/14/2023 09:07

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7D14X03.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	0.5757	0.4872		8.46	10.0	-15.4	30.0
Dichlorodifluoromethane	Ave	2.172	2.040		9.39	10.0	-6.1	30.0
Chlorodifluoromethane	Ave	1.225	1.066		8.70	10.0	-13.0	30.0
Freon-114	Ave	2.464	2.300		9.34	10.0	-6.6	30.0
Chloromethane	Ave	0.7312	0.5998		8.20	10.0	-18.0	30.0
Vinyl chloride	Ave	0.7960	0.8179		10.3	10.0	2.8	30.0
1,3-Butadiene	Ave	0.5155	0.5395		10.5	10.0	4.7	30.0
Bromomethane	Ave	0.7326	0.7886		10.8	10.0	7.6	30.0
Chloroethane	Ave	0.4949	0.4290		8.67	10.0	-13.3	30.0
Bromoethene	Ave	0.7044	0.7964		11.3	10.0	13.1	30.0
Dichlorofluoromethane	Ave	1.750	1.786		10.2	10.0	2.0	30.0
Trichlorofluoromethane	Ave	2.384	2.092		8.78	10.0	-12.2	30.0
Pentane	Ave	1.244	1.090		8.77	10.0	-12.3	30.0
Ethanol	Ave	0.1804	0.1733		9.60	10.0	-4.0	30.0
Acrolein	Ave	0.2821	0.2625		9.31	10.0	-6.9	30.0
1,1-Dichloroethene	Ave	1.223	1.234		10.1	10.0	0.9	30.0
Freon 113	Ave	1.441	1.259		8.73	10.0	-12.7	30.0
Acetone	Ave	1.185	0.9441		7.96	10.0	-20.4	30.0
Iodomethane	Ave	1.772	1.827		10.3	10.0	3.1	30.0
Isopropanol	Ave	0.6750	0.5889		8.72	10.0	-12.8	30.0
Carbon disulfide	Ave	2.331	2.402		10.3	10.0	3.1	30.0
Acetonitrile	Ave	0.5242	0.4575		8.73	10.0	-12.7	30.0
3-Chloroprene	Ave	0.9235	0.8527		9.23	10.0	-7.7	30.0
Methylene Chloride	Ave	0.8259	0.7995		9.68	10.0	-3.2	30.0
tert-Butyl alcohol	Ave	0.6589	0.7256		11.0	10.0	10.1	30.0
Acrylonitrile	Ave	0.6809	0.6272		9.21	10.0	-7.9	30.0
Methyl t-butyl ether	Ave	1.983	2.036		10.3	10.0	2.7	30.0
trans-1,2-Dichloroethene	Ave	1.201	1.166		9.71	10.0	-2.9	30.0
Hexane	Ave	0.6581	0.5959		9.06	10.0	-9.4	30.0
Vinyl acetate	Ave	0.1791	0.1833		11.3	11.0	2.3	30.0
1,1-Dichloroethane	Ave	1.655	1.468		8.87	10.0	-11.3	30.0
di-Isopropyl ether	Ave	2.426	2.350		9.69	10.0	-3.1	30.0
Ethyl tert-butyl ether	Ave	2.033	2.149		10.6	10.0	5.7	30.0
2-Butanone	Ave	0.3978	0.3856		9.69	10.0	-3.1	30.0
cis-1,2-Dichloroethene	Ave	1.450	1.356		9.36	10.0	-6.4	30.0
Ethyl acetate	Ave	0.2220	0.2102		9.47	10.0	-5.3	30.0
Methyl acrylate	Ave	1.347	1.259		9.35	10.0	-6.5	30.0
Tetrahydrofuran	Ave	0.8002	0.7228		9.03	10.0	-9.7	30.0
Chloroform	Ave	2.059	1.821		8.84	10.0	-11.6	30.0
1,1,1-Trichloroethane	Ave	1.969	1.735		8.81	10.0	-11.9	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab Sample ID: CCVIS 410-453905/3 Calibration Date: 12/14/2023 09:07

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7D14X03.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
Cyclohexane	Ave	1.213	1.207		9.95	10.0	-0.5	30.0
Carbon tetrachloride	Ave	2.014	1.783		8.86	10.0	-11.4	30.0
Benzene	Ave	0.7810	0.6753		8.65	10.0	-13.5	30.0
1,2-Dichloroethane	Ave	0.3356	0.2640		7.87	10.0	-21.3	30.0
Isooctane	Ave	0.9324	0.9838		10.6	10.0	5.5	30.0
Tert-amyl methyl ether	Ave	0.5052	0.5293		10.5	10.0	4.8	30.0
Heptane	Ave	0.2249	0.2339		10.4	10.0	4.0	30.0
Trichloroethene	Ave	0.3419	0.3151		9.22	10.0	-7.8	30.0
Ethyl acrylate	Ave	0.4148	0.3588		8.65	10.0	-13.5	30.0
1,2-Dichloropropane	Ave	0.3078	0.2476		8.04	10.0	-19.6	30.0
Methyl methacrylate	Ave	0.2206	0.2060		9.34	10.0	-6.6	30.0
1,4-Dioxane	Ave	0.1060	0.1159		10.9	10.0	9.4	30.0
Dibromomethane	Ave	0.2730	0.2436		8.92	10.0	-10.8	30.0
Bromodichloromethane	Ave	0.5415	0.4472		8.26	10.0	-17.4	30.0
cis-1,3-Dichloropropene	Ave	0.3835	0.3494		9.11	10.0	-8.9	30.0
4-Methyl-2-pentanone	Ave	0.4343	0.3621		8.34	10.0	-16.6	30.0
Toluene	Ave	0.9209	0.9212		10.0	10.0	0.0	30.0
Octane	Ave	0.4733	0.4804		10.1	10.0	1.5	30.0
trans-1,3-Dichloropropene	Ave	0.3266	0.3241		9.92	10.0	-0.8	30.0
Ethyl methacrylate	Ave	0.3385	0.3485		10.3	10.0	3.0	30.0
1,1,2-Trichloroethane	Ave	0.3329	0.3248		9.76	10.0	-2.4	30.0
Tetrachloroethene	Ave	0.4452	0.4536		10.2	10.0	1.9	30.0
2-Hexanone	Ave	0.3817	0.3519		9.22	10.0	-7.8	30.0
Dibromochloromethane	Ave	0.3875	0.3684		9.51	10.0	-4.9	30.0
1,2-Dibromoethane	Ave	0.4478	0.4464		9.97	10.0	-0.3	30.0
Chlorobenzene	Ave	0.7343	0.7283		9.92	10.0	-0.8	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3643	0.3550		9.74	10.0	-2.6	30.0
Ethylbenzene	Ave	1.038	1.099		10.6	10.0	5.9	30.0
m&p-Xylene	Ave	0.7637	0.8596		11.3	10.0	12.5	30.0
o-Xylene	Ave	0.7299	0.8058		11.0	10.0	10.4	30.0
Styrene	Ave	0.4961	0.5671		11.4	10.0	14.3	30.0
Bromoform	Ave	0.3976	0.3808		9.58	10.0	-4.2	30.0
Cumene	Ave	0.9701	1.101		11.4	10.0	13.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6618	0.5779		8.73	10.0	-12.7	30.0
Bromobenzene	Ave	0.3637	0.3672		10.1	10.0	1.0	30.0
1,2,3-Trichloropropane	Ave	0.1884	0.1636		8.68	10.0	-13.2	30.0
N-Propylbenzene	Ave	0.2934	0.3197		10.9	10.0	9.0	30.0
2-Chlorotoluene	Ave	0.2738	0.2880		10.5	10.0	5.2	30.0
4-Ethyltoluene	Ave	1.014	1.141		11.3	10.0	12.5	30.0
1,3,5-Trimethylbenzene	Ave	0.8498	0.9415		11.1	10.0	10.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab Sample ID: CCVIS 410-453905/3 Calibration Date: 12/14/2023 09:07

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7D14X03.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
Alpha Methyl Styrene	Ave	0.3355	0.3345		9.97	10.0	-0.3	30.0
tert-Butylbenzene	Ave	0.7741	0.8675		11.2	10.0	12.1	30.0
1,2,4-Trimethylbenzene	Ave	0.7796	0.8789		11.3	10.0	12.7	30.0
sec-Butylbenzene	Ave	1.171	1.284		11.0	10.0	9.6	30.0
1,3-Dichlorobenzene	Ave	0.6123	0.5899		9.63	10.0	-3.7	30.0
p-Isopropyltoluene	Ave	0.9035	1.003		11.1	10.0	11.0	30.0
1,4-Dichlorobenzene	Ave	0.6020	0.5992		9.95	10.0	-0.5	30.0
Benzyl chloride	Ave	0.1187	0.1147		9.66	10.0	-3.4	30.0
n-Butylbenzene	Ave	0.4454	0.4495		10.1	10.0	0.9	30.0
1,2-Dichlorobenzene	Ave	0.5749	0.5532		9.62	10.0	-3.8	30.0
Hexachloroethane	Ave	0.2843	0.2500		8.79	10.0	-12.1	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2425	0.2074		8.55	10.0	-14.5	30.0
1,2,4-Trichlorobenzene	Ave	0.3868	0.3580		8.05	8.70	-7.5	30.0
Hexachlorobutadiene	Ave	0.2969	0.2535		8.54	10.0	-14.6	30.0
Naphthalene	Ave	0.7621	0.7746		10.2	10.0	1.6	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X03.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 14-Dec-2023 09:07:01 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0101896-003
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub4

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 14-Dec-2023 11:54:36 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: MLX9 Date: 14-Dec-2023 09:36:33

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	1.981	1.981	0.000	98	60954	10.0	8.46	
2 Dichlorodifluoromethane	85	2.014	2.014	0.000	99	255152	10.0	9.39	
3 Chlorodifluoromethane	51	2.048	2.048	0.000	97	133369	10.0	8.70	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.164	2.164	0.000	97	287786	10.0	9.34	
5 Chloromethane	50	2.251	2.251	0.000	99	75034	10.0	8.20	
6 Vinyl chloride	62	2.382	2.382	0.000	98	102320	10.0	10.3	
7 Butadiene	54	2.416	2.416	0.000	88	67490	10.0	10.5	
8 Bromomethane	94	2.757	2.757	0.000	90	98649	10.0	10.8	
9 Chloroethane	64	2.877	2.877	0.000	99	53673	10.0	8.67	
10 Vinyl bromide	106	3.064	3.064	0.000	99	99628	10.0	11.3	
13 Dichlorofluoromethane	67	3.113	3.113	0.000	96	223399	10.0	10.2	
12 Trichlorofluoromethane	101	3.135	3.135	0.000	98	261737	10.0	8.78	
11 Pentane	43	3.233	3.233	0.000	96	136397	10.0	8.77	
14 Ethanol	45	3.308	3.308	0.000	97	21675	10.0	9.60	
19 Acrolein	56	3.563	3.563	0.000	99	32836	10.0	9.31	
15 1,1-Dichloroethene	61	3.664	3.664	0.000	96	154322	10.0	10.1	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.679	3.679	0.000	94	157461	10.0	8.73	
23 Acetone	43	3.705	3.705	0.000	99	118107	10.0	7.96	
18 Iodomethane	142	3.814	3.814	0.000	99	228591	10.0	10.3	
20 Isopropyl alcohol	45	3.829	3.829	0.000	97	73672	10.0	8.72	
17 Carbon disulfide	76	3.885	3.885	0.000	98	300530	10.0	10.3	
28 Acetonitrile	41	3.986	3.986	0.000	98	57234	10.0	8.73	
21 3-Chloro-1-propene	41	4.028	4.028	0.000	93	106666	10.0	9.23	M
22 Methylene Chloride	84	4.155	4.155	0.000	88	100010	10.0	9.68	
27 2-Methyl-2-propanol	59	4.230	4.230	0.000	98	90769	10.0	11.0	
31 Acrylonitrile	53	4.372	4.372	0.000	99	78461	10.0	9.21	
26 Methyl tert-butyl ether	73	4.406	4.406	0.000	95	254715	10.0	10.3	
24 trans-1,2-Dichloroethene	61	4.414	4.414	0.000	99	145831	10.0	9.71	
25 Hexane	56	4.672	4.672	0.000	90	74550	10.0	9.06	
33 Vinyl acetate	86	4.818	4.818	0.000	97	25218	11.0	11.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.830	4.830	0.000	96	183654	10.0	8.87	
29 Isopropyl ether	45	4.848	4.848	0.000	90	293963	10.0	9.69	
32 Tert-butyl ethyl ether	59	5.190	5.190	0.000	96	268868	10.0	10.6	
43 2-Butanone (MEK)	72	5.343	5.343	0.000	99	48239	10.0	9.69	
34 cis-1,2-Dichloroethene	61	5.362	5.362	0.000	81	169673	10.0	9.36	
38 Ethyl acetate	70	5.366	5.366	0.000	94	26297	10.0	9.47	
39 Methyl acrylate	55	5.415	5.415	0.000	100	157500	10.0	9.35	
* 35 Chlorobromomethane (IS)	130	5.587	5.587	0.000	89	125098	10.0	10.0	
41 Tetrahydrofuran	42	5.594	5.594	0.000	84	90417	10.0	9.03	
37 Chloroform	83	5.673	5.673	0.000	92	227745	10.0	8.84	
42 1,1,1-Trichloroethane	97	5.838	5.838	0.000	98	217003	10.0	8.81	
36 Cyclohexane	56	5.906	5.906	0.000	88	150934	10.0	9.95	
40 Carbon tetrachloride	117	5.984	5.984	0.000	96	223101	10.0	8.86	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.142	6.142	0.000	0	142862	10.0	8.38	
46 Benzene	78	6.172	6.172	0.000	95	356519	10.0	8.65	
48 1,2-Dichloroethane	62	6.217	6.217	0.000	97	139387	10.0	7.87	
44 Isooctane	57	6.280	6.280	0.000	96	519374	10.0	10.6	
47 Tert-amyl methyl ether	73	6.284	6.284	0.000	90	279400	10.0	10.5	
45 n-Heptane	71	6.430	6.430	0.000	88	123505	10.0	10.4	
* 50 1,4-Difluorobenzene	114	6.562	6.562	0.000	94	527913	10.0	10.0	
49 Trichloroethene	130	6.798	6.798	0.000	98	166346	10.0	9.22	
52 Ethyl acrylate	55	6.858	6.858	0.000	99	189425	10.0	8.65	
53 1,2-Dichloropropane	63	7.056	7.056	0.000	95	130707	10.0	8.04	
55 Methyl methacrylate	69	7.083	7.083	0.000	88	108724	10.0	9.34	
56 1,4-Dioxane	88	7.116	7.116	0.000	89	61182	10.0	10.9	
51 Dibromomethane	174	7.146	7.146	0.000	94	128599	10.0	8.92	
54 Dichlorobromomethane	83	7.308	7.308	0.000	99	236065	10.0	8.26	
57 cis-1,3-Dichloropropene	75	7.750	7.750	0.000	98	184452	10.0	9.11	
60 4-Methyl-2-pentanone (MIBK)	43	7.889	7.889	0.000	96	191157	10.0	8.34	
$ 103 Toluene-d8 (Surr)	98	8.027	8.027	0.000	93	592157	10.0	10.4	
59 Toluene	91	8.099	8.099	0.000	98	451312	10.0	10.0	
58 n-Octane	43	8.215	8.215	0.000	81	235337	10.0	10.1	
62 trans-1,3-Dichloropropene	75	8.335	8.335	0.000	96	158780	10.0	9.92	
63 Ethyl methacrylate	69	8.376	8.376	0.000	86	170724	10.0	10.3	
64 1,1,2-Trichloroethane	97	8.545	8.545	0.000	89	159149	10.0	9.76	
61 Tetrachloroethene	166	8.646	8.646	0.000	94	222222	10.0	10.2	
67 2-Hexanone	43	8.766	8.766	0.000	96	172424	10.0	9.22	
65 Chlorodibromomethane	127	8.961	8.961	0.000	90	180484	10.0	9.51	
66 Ethylene Dibromide	107	9.096	9.096	0.000	99	218689	10.0	9.97	
* 68 Chlorobenzene-d5 (IS)	117	9.606	9.606	0.000	84	489916	10.0	10.0	
69 Chlorobenzene	112	9.636	9.636	0.000	96	356816	10.0	9.92	
71 1,1,1,2-Tetrachloroethane	131	9.733	9.733	0.000	96	173902	10.0	9.74	
70 Ethylbenzene	91	9.741	9.741	0.000	98	538420	10.0	10.6	
72 m-Xylene & p-Xylene	91	9.887	9.887	0.000	98	421115	10.0	11.3	
73 o-Xylene	91	10.329	10.329	0.000	96	394778	10.0	11.0	
74 Styrene	104	10.352	10.352	0.000	93	277820	10.0	11.4	
75 Bromoform	173	10.565	10.565	0.000	96	186542	10.0	9.58	
76 Isopropylbenzene	105	10.753	10.753	0.000	96	539438	10.0	11.4	
79 1,1,2,2-Tetrachloroethane	83	11.120	11.120	0.000	95	283133	10.0	8.73	
78 Bromobenzene	156	11.135	11.135	0.000	93	179890	10.0	10.1	
83 1,2,3-Trichloropropane	110	11.188	11.188	0.000	83	80145	10.0	8.68	
77 N-Propylbenzene	120	11.244	11.244	0.000	99	156641	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
81 2-Chlorotoluene	126	11.349	11.349	0.000	97	141102	10.0	10.5	
80 4-Ethyltoluene	105	11.382	11.382	0.000	98	559115	10.0	11.3	
82 1,3,5-Trimethylbenzene	105	11.450	11.450	0.000	95	461250	10.0	11.1	
84 Alpha Methyl Styrene	118	11.686	11.686	0.000	91	163891	10.0	9.97	
85 tert-Butylbenzene	119	11.791	11.791	0.000	92	424991	10.0	11.2	
86 1,2,4-Trimethylbenzene	105	11.859	11.859	0.000	97	430595	10.0	11.3	
87 sec-Butylbenzene	105	12.027	12.027	0.000	94	629142	10.0	11.0	
89 1,3-Dichlorobenzene	146	12.151	12.151	0.000	97	288990	10.0	9.63	
88 4-Isopropyltoluene	119	12.185	12.185	0.000	97	491180	10.0	11.1	
90 1,4-Dichlorobenzene	146	12.252	12.252	0.000	95	293559	10.0	9.95	
92 Benzyl chloride	126	12.368	12.368	0.000	98	56196	10.0	9.66	
91 n-Butylbenzene	92	12.586	12.586	0.000	97	220221	10.0	10.1	
94 1,2-Dichlorobenzene	146	12.605	12.605	0.000	97	271004	10.0	9.62	
93 Hexachloroethane	117	12.859	12.859	0.000	89	122478	10.0	8.79	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.321	0.000	84	101602	10.0	8.55	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	95	152575	8.70	8.05	
96 Hexachlorobutadiene	225	14.115	14.115	0.000	96	124178	10.0	8.54	
98 Naphthalene	128	14.220	14.220	0.000	97	379467	10.0	10.2	
S 100 1,2-Dichloroethene, Total	61				0	315504	20.0	19.0	
S 109 1,3-Dichloropropene, Total	75				0		20.0	19.0	
S 101 Xylenes, Total	91				0	815893	20.0	22.3	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRCAL10.0_00406	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00260	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 14-Dec-2023 11:54:37 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X03.D

Injection Date: 14-Dec-2023 09:07:01 Instrument ID: HP8R004

Lims ID: CCVIS

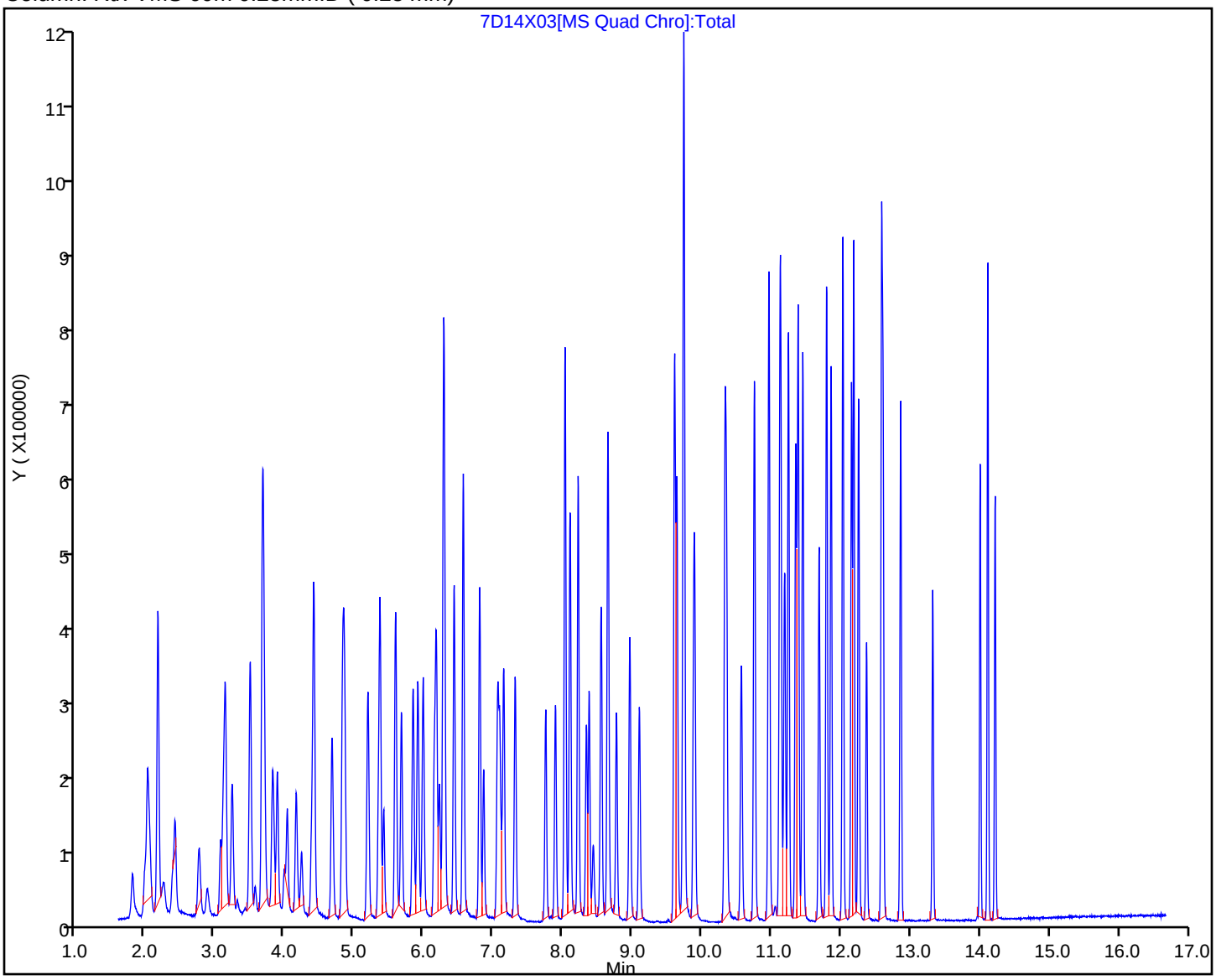
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 3

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

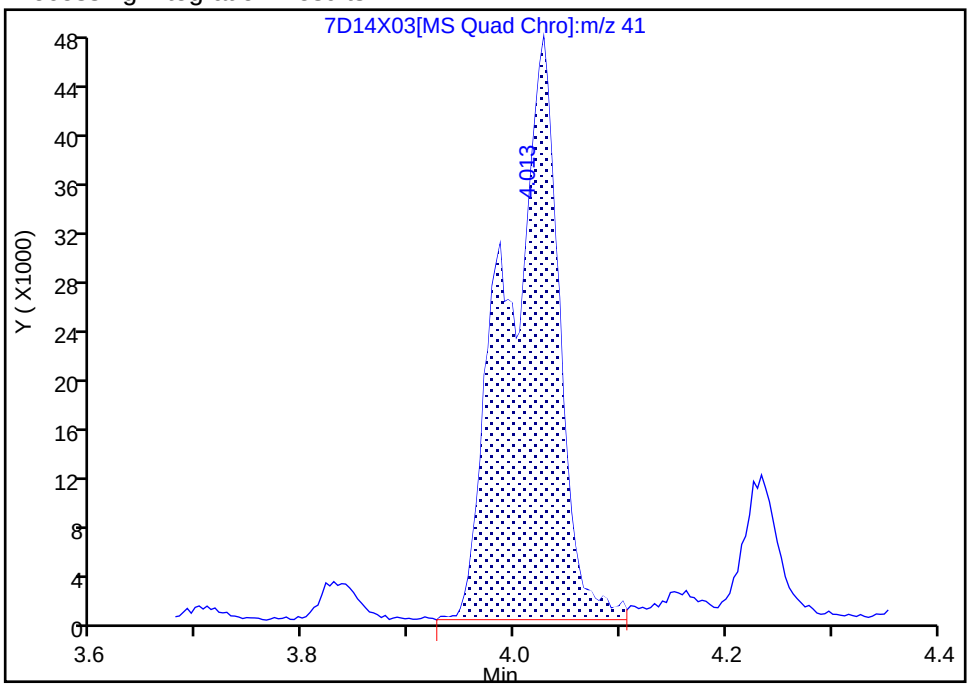
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X03.D				
Injection Date:	14-Dec-2023 09:07:01	Instrument ID:	HP8R004		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

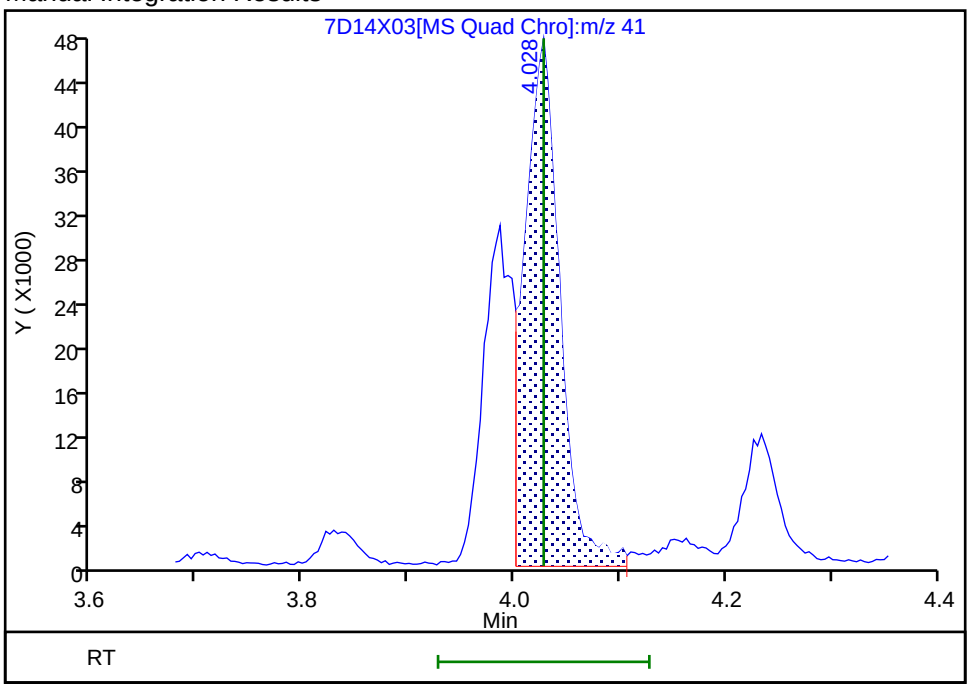
Processing Integration Results

RT: 4.01
Area: 163901
Amount: 14.187596
Amount Units: ppb v/v



Manual Integration Results

RT: 4.03
Area: 106666
Amount: 9.233221
Amount Units: ppb v/v



Reviewer: MLX9, 14-Dec-2023 09:28:06 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab Sample ID: CCVIS 410-454438/3 Calibration Date: 12/15/2023 08:32

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7D15X03.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	0.5757	0.4882		8.48	10.0	-15.2	30.0
Dichlorodifluoromethane	Ave	2.172	2.087		9.61	10.0	-3.9	30.0
Chlorodifluoromethane	Ave	1.225	1.077		8.79	10.0	-12.1	30.0
Freon-114	Ave	2.464	2.249		9.13	10.0	-8.7	30.0
Chloromethane	Ave	0.7312	0.6205		8.49	10.0	-15.1	30.0
Vinyl chloride	Ave	0.7960	0.8283		10.4	10.0	4.1	30.0
1,3-Butadiene	Ave	0.5155	0.5399		10.5	10.0	4.7	30.0
Bromomethane	Ave	0.7326	0.7788		10.6	10.0	6.3	30.0
Chloroethane	Ave	0.4949	0.4200		8.49	10.0	-15.1	30.0
Bromoethene	Ave	0.7044	0.7763		11.0	10.0	10.2	30.0
Dichlorofluoromethane	Ave	1.750	1.780		10.2	10.0	1.7	30.0
Trichlorofluoromethane	Ave	2.384	2.060		8.64	10.0	-13.6	30.0
Pentane	Ave	1.244	1.073		8.63	10.0	-13.7	30.0
Ethanol	Ave	0.1804	0.1751		9.71	10.0	-2.9	30.0
Acrolein	Ave	0.2821	0.2587		9.17	10.0	-8.3	30.0
1,1-Dichloroethene	Ave	1.223	1.192		9.74	10.0	-2.6	30.0
Freon 113	Ave	1.441	1.294		8.98	10.0	-10.2	30.0
Acetone	Ave	1.185	0.9394		7.92	10.0	-20.8	30.0
Iodomethane	Ave	1.772	1.890		10.7	10.0	6.7	30.0
Isopropanol	Ave	0.6750	0.5897		8.74	10.0	-12.6	30.0
Carbon disulfide	Ave	2.331	2.419		10.4	10.0	3.8	30.0
Acetonitrile	Ave	0.5242	0.4245		8.10	10.0	-19.0	30.0
3-Chloroprene	Ave	0.9235	0.8740		9.46	10.0	-5.4	30.0
Methylene Chloride	Ave	0.8259	0.8361		10.1	10.0	1.2	30.0
tert-Butyl alcohol	Ave	0.6589	0.7499		11.4	10.0	13.8	30.0
Acrylonitrile	Ave	0.6809	0.6250		9.18	10.0	-8.2	30.0
Methyl t-butyl ether	Ave	1.983	2.010		10.1	10.0	1.4	30.0
trans-1,2-Dichloroethene	Ave	1.201	1.151		9.59	10.0	-4.1	30.0
Hexane	Ave	0.6581	0.6092		9.26	10.0	-7.4	30.0
Vinyl acetate	Ave	0.1791	0.1813		11.1	11.0	1.2	30.0
1,1-Dichloroethane	Ave	1.655	1.505		9.09	10.0	-9.1	30.0
di-Isopropyl ether	Ave	2.426	2.326		9.59	10.0	-4.1	30.0
Ethyl tert-butyl ether	Ave	2.033	2.130		10.5	10.0	4.8	30.0
2-Butanone	Ave	0.3978	0.3927		9.87	10.0	-1.3	30.0
cis-1,2-Dichloroethene	Ave	1.450	1.382		9.53	10.0	-4.7	30.0
Ethyl acetate	Ave	0.2220	0.2156		9.71	10.0	-2.9	30.0
Methyl acrylate	Ave	1.347	1.303		9.68	10.0	-3.2	30.0
Tetrahydrofuran	Ave	0.8002	0.7328		9.16	10.0	-8.4	30.0
Chloroform	Ave	2.059	1.816		8.82	10.0	-11.8	30.0
1,1,1-Trichloroethane	Ave	1.969	1.713		8.70	10.0	-13.0	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab Sample ID: CCVIS 410-454438/3 Calibration Date: 12/15/2023 08:32

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7D15X03.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
Cyclohexane	Ave	1.213	1.215		10.0	10.0	0.2	30.0
Carbon tetrachloride	Ave	2.014	1.763		8.75	10.0	-12.5	30.0
Benzene	Ave	0.7810	0.7205		9.23	10.0	-7.7	30.0
1,2-Dichloroethane	Ave	0.3356	0.2717		8.10	10.0	-19.0	30.0
Isooctane	Ave	0.9324	1.005		10.8	10.0	7.8	30.0
Tert-amyl methyl ether	Ave	0.5052	0.5396		10.7	10.0	6.8	30.0
Heptane	Ave	0.2249	0.2337		10.4	10.0	3.9	30.0
Trichloroethene	Ave	0.3419	0.3249		9.50	10.0	-5.0	30.0
Ethyl acrylate	Ave	0.4148	0.3561		8.58	10.0	-14.2	30.0
1,2-Dichloropropane	Ave	0.3078	0.2498		8.11	10.0	-18.9	30.0
Methyl methacrylate	Ave	0.2206	0.2019		9.15	10.0	-8.5	30.0
1,4-Dioxane	Ave	0.1060	0.1213		11.4	10.0	14.5	30.0
Dibromomethane	Ave	0.2730	0.2654		9.72	10.0	-2.8	30.0
Bromodichloromethane	Ave	0.5415	0.4517		8.34	10.0	-16.6	30.0
cis-1,3-Dichloropropene	Ave	0.3835	0.3363		8.77	10.0	-12.3	30.0
4-Methyl-2-pentanone	Ave	0.4343	0.3536		8.14	10.0	-18.6	30.0
Toluene	Ave	0.9209	0.9512		10.3	10.0	3.3	30.0
Octane	Ave	0.4733	0.4792		10.1	10.0	1.2	30.0
trans-1,3-Dichloropropene	Ave	0.3266	0.3395		10.4	10.0	4.0	30.0
Ethyl methacrylate	Ave	0.3385	0.3505		10.4	10.0	3.6	30.0
1,1,2-Trichloroethane	Ave	0.3329	0.3180		9.55	10.0	-4.5	30.0
Tetrachloroethene	Ave	0.4452	0.4657		10.5	10.0	4.6	30.0
2-Hexanone	Ave	0.3817	0.3580		9.38	10.0	-6.2	30.0
Dibromochloromethane	Ave	0.3875	0.3714		9.59	10.0	-4.1	30.0
1,2-Dibromoethane	Ave	0.4478	0.4583		10.2	10.0	2.3	30.0
Chlorobenzene	Ave	0.7343	0.7349		10.0	10.0	0.0	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3643	0.3528		9.68	10.0	-3.2	30.0
Ethylbenzene	Ave	1.038	1.103		10.6	10.0	6.3	30.0
m&p-Xylene	Ave	0.7637	0.8684		11.4	10.0	13.7	30.0
o-Xylene	Ave	0.7299	0.7847		10.8	10.0	7.5	30.0
Styrene	Ave	0.4961	0.5692		11.5	10.0	14.7	30.0
Bromoform	Ave	0.3976	0.3761		9.46	10.0	-5.4	30.0
Cumene	Ave	0.9701	1.092		11.3	10.0	12.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6618	0.5834		8.81	10.0	-11.9	30.0
Bromobenzene	Ave	0.3637	0.3773		10.4	10.0	3.7	30.0
1,2,3-Trichloropropane	Ave	0.1884	0.1721		9.13	10.0	-8.7	30.0
N-Propylbenzene	Ave	0.2934	0.3183		10.8	10.0	8.5	30.0
2-Chlorotoluene	Ave	0.2738	0.2932		10.7	10.0	7.1	30.0
4-Ethyltoluene	Ave	1.014	1.164		11.5	10.0	14.8	30.0
1,3,5-Trimethylbenzene	Ave	0.8498	0.9532		11.2	10.0	12.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Lab Sample ID: CCVIS 410-454438/3 Calibration Date: 12/15/2023 08:32

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7D15X03.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
Alpha Methyl Styrene	Ave	0.3355	0.3323		9.90	10.0	-1.0	30.0
tert-Butylbenzene	Ave	0.7741	0.8792		11.4	10.0	13.6	30.0
1,2,4-Trimethylbenzene	Ave	0.7796	0.8839		11.3	10.0	13.4	30.0
sec-Butylbenzene	Ave	1.171	1.300		11.1	10.0	11.0	30.0
1,3-Dichlorobenzene	Ave	0.6123	0.5971		9.75	10.0	-2.5	30.0
p-Isopropyltoluene	Ave	0.9035	1.006		11.1	10.0	11.4	30.0
1,4-Dichlorobenzene	Ave	0.6020	0.6138		10.2	10.0	1.9	30.0
Benzyl chloride	Ave	0.1187	0.1168		9.84	10.0	-1.6	30.0
n-Butylbenzene	Ave	0.4454	0.4488		10.1	10.0	0.8	30.0
1,2-Dichlorobenzene	Ave	0.5749	0.5531		9.62	10.0	-3.8	30.0
Hexachloroethane	Ave	0.2843	0.2488		8.75	10.0	-12.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2425	0.2141		8.83	10.0	-11.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3868	0.3661		8.24	8.70	-5.3	30.0
Hexachlorobutadiene	Ave	0.2969	0.2676		9.02	10.0	-9.8	30.0
Naphthalene	Ave	0.7621	0.7524		9.87	10.0	-1.3	30.0

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X03.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 15-Dec-2023 08:32:21 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 410-0102007-003
Operator ID: bcb85445 Instrument ID: HP8R004
Sublist: chrom-AirMS_HP8R004*sub4

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 18-Dec-2023 08:58:40 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: MLX9 Date: 15-Dec-2023 08:58:28

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	1.973	1.973	0.000	99	56863	10.0	8.48	
2 Dichlorodifluoromethane	85	2.014	2.014	0.000	99	243034	10.0	9.61	
3 Chlorodifluoromethane	51	2.044	2.044	0.000	97	125413	10.0	8.79	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.164	2.164	0.000	97	261917	10.0	9.13	
5 Chloromethane	50	2.247	2.247	0.000	98	72263	10.0	8.49	
6 Vinyl chloride	62	2.378	2.378	0.000	98	96469	10.0	10.4	
7 Butadiene	54	2.408	2.408	0.000	87	62880	10.0	10.5	
8 Bromomethane	94	2.757	2.757	0.000	89	90705	10.0	10.6	
9 Chloroethane	64	2.869	2.869	0.000	99	48917	10.0	8.49	
10 Vinyl bromide	106	3.060	3.060	0.000	99	90413	10.0	11.0	
13 Dichlorofluoromethane	67	3.105	3.105	0.000	97	207273	10.0	10.2	
12 Trichlorofluoromethane	101	3.131	3.131	0.000	98	239946	10.0	8.64	
11 Pentane	43	3.225	3.225	0.000	96	124921	10.0	8.63	M
14 Ethanol	45	3.304	3.304	0.000	97	20395	10.0	9.71	
19 Acrolein	56	3.563	3.563	0.000	100	30130	10.0	9.17	
15 1,1-Dichloroethene	61	3.664	3.664	0.000	96	138796	10.0	9.74	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.675	3.675	0.000	94	150762	10.0	8.98	
23 Acetone	43	3.698	3.698	0.000	99	109409	10.0	7.92	
18 Iodomethane	142	3.806	3.806	0.000	98	220164	10.0	10.7	
20 Isopropyl alcohol	45	3.825	3.825	0.000	97	68685	10.0	8.74	
17 Carbon disulfide	76	3.881	3.881	0.000	98	281771	10.0	10.4	
28 Acetonitrile	41	3.979	3.979	0.000	95	49442	10.0	8.10	
21 3-Chloro-1-propene	41	4.020	4.020	0.000	92	101792	10.0	9.46	M
22 Methylene Chloride	84	4.147	4.147	0.000	86	97373	10.0	10.1	
27 2-Methyl-2-propanol	59	4.230	4.230	0.000	97	87333	10.0	11.4	
31 Acrylonitrile	53	4.369	4.369	0.000	97	72793	10.0	9.18	
26 Methyl tert-butyl ether	73	4.399	4.399	0.000	95	234047	10.0	10.1	
24 trans-1,2-Dichloroethene	61	4.406	4.406	0.000	97	134089	10.0	9.59	
25 Hexane	56	4.668	4.668	0.000	89	70954	10.0	9.26	
33 Vinyl acetate	86	4.807	4.807	0.000	97	23229	11.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
30 1,1-Dichloroethane	63	4.826	4.826	0.000	96	175226	10.0	9.09	
29 Isopropyl ether	45	4.845	4.845	0.000	89	270953	10.0	9.59	
32 Tert-butyl ethyl ether	59	5.182	5.182	0.000	95	248115	10.0	10.5	
43 2-Butanone (MEK)	72	5.332	5.332	0.000	99	45738	10.0	9.87	
34 cis-1,2-Dichloroethene	61	5.358	5.358	0.000	81	160903	10.0	9.53	
38 Ethyl acetate	70	5.362	5.362	0.000	95	25108	10.0	9.71	
39 Methyl acrylate	55	5.411	5.411	0.000	100	151806	10.0	9.68	
* 35 Chlorobromomethane (IS)	130	5.576	5.576	0.000	94	116466	10.0	10.0	
41 Tetrahydrofuran	42	5.587	5.587	0.000	85	85345	10.0	9.16	
37 Chloroform	83	5.666	5.666	0.000	92	211513	10.0	8.82	
42 1,1,1-Trichloroethane	97	5.834	5.834	0.000	98	199529	10.0	8.70	
36 Cyclohexane	56	5.902	5.902	0.000	88	141448	10.0	10.0	
40 Carbon tetrachloride	117	5.977	5.977	0.000	96	205298	10.0	8.75	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.142	6.142	0.000	0	133032	10.0	8.38	
46 Benzene	78	6.164	6.164	0.000	95	345260	10.0	9.23	
48 1,2-Dichloroethane	62	6.209	6.209	0.000	97	130204	10.0	8.10	
44 Isooctane	57	6.277	6.277	0.000	95	481626	10.0	10.8	
47 Tert-amyl methyl ether	73	6.277	6.277	0.000	82	258575	10.0	10.7	
45 n-Heptane	71	6.423	6.423	0.000	88	112001	10.0	10.4	
* 50 1,4-Difluorobenzene	114	6.554	6.554	0.000	94	479222	10.0	10.0	
49 Trichloroethene	130	6.790	6.790	0.000	99	155687	10.0	9.50	
52 Ethyl acrylate	55	6.850	6.850	0.000	99	170655	10.0	8.58	
53 1,2-Dichloropropane	63	7.049	7.049	0.000	97	119700	10.0	8.11	
55 Methyl methacrylate	69	7.079	7.079	0.000	88	96734	10.0	9.15	
56 1,4-Dioxane	88	7.105	7.105	0.000	92	58135	10.0	11.4	
51 Dibromomethane	174	7.139	7.139	0.000	96	127169	10.0	9.72	
54 Dichlorobromomethane	83	7.304	7.304	0.000	99	216473	10.0	8.34	
57 cis-1,3-Dichloropropene	75	7.739	7.739	0.000	98	161151	10.0	8.77	
60 4-Methyl-2-pentanone (MIBK)	43	7.881	7.881	0.000	95	169454	10.0	8.14	
$ 103 Toluene-d8 (Surr)	98	8.020	8.020	0.000	93	539918	10.0	10.3	
59 Toluene	91	8.091	8.091	0.000	98	428196	10.0	10.3	
58 n-Octane	43	8.207	8.207	0.000	79	215694	10.0	10.1	
62 trans-1,3-Dichloropropene	75	8.327	8.327	0.000	89	152815	10.0	10.4	
63 Ethyl methacrylate	69	8.365	8.365	0.000	86	157793	10.0	10.4	
64 1,1,2-Trichloroethane	97	8.541	8.541	0.000	89	143143	10.0	9.55	
61 Tetrachloroethene	166	8.638	8.638	0.000	95	209659	10.0	10.5	
67 2-Hexanone	43	8.758	8.758	0.000	95	161154	10.0	9.38	
65 Chlorodibromomethane	127	8.949	8.949	0.000	90	167188	10.0	9.59	
66 Ethylene Dibromide	107	9.088	9.088	0.000	98	206312	10.0	10.2	
* 68 Chlorobenzene-d5 (IS)	117	9.594	9.594	0.000	85	450158	10.0	10.0	
69 Chlorobenzene	112	9.632	9.632	0.000	97	330800	10.0	10.0	
71 1,1,1,2-Tetrachloroethane	131	9.725	9.725	0.000	96	158798	10.0	9.68	
70 Ethylbenzene	91	9.733	9.733	0.000	98	496512	10.0	10.6	
72 m-Xylene & p-Xylene	91	9.879	9.879	0.000	98	390935	10.0	11.4	
73 o-Xylene	91	10.321	10.321	0.000	96	353259	10.0	10.8	
74 Styrene	104	10.344	10.344	0.000	94	256246	10.0	11.5	
75 Bromoform	173	10.554	10.554	0.000	96	169307	10.0	9.46	
76 Isopropylbenzene	105	10.745	10.745	0.000	96	491387	10.0	11.3	
79 1,1,2,2-Tetrachloroethane	83	11.112	11.112	0.000	95	262610	10.0	8.81	
78 Bromobenzene	156	11.124	11.124	0.000	93	169826	10.0	10.4	
83 1,2,3-Trichloropropane	110	11.180	11.180	0.000	86	77480	10.0	9.13	
77 N-Propylbenzene	120	11.236	11.236	0.000	99	143294	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
81 2-Chlorotoluene	126	11.341	11.341	0.000	97	131989	10.0	10.7	
80 4-Ethyltoluene	105	11.375	11.375	0.000	97	523990	10.0	11.5	
82 1,3,5-Trimethylbenzene	105	11.442	11.442	0.000	95	429102	10.0	11.2	
84 Alpha Methyl Styrene	118	11.679	11.679	0.000	91	149567	10.0	9.90	
85 tert-Butylbenzene	119	11.787	11.787	0.000	93	395772	10.0	11.4	
86 1,2,4-Trimethylbenzene	105	11.851	11.851	0.000	97	397901	10.0	11.3	
87 sec-Butylbenzene	105	12.020	12.020	0.000	94	585395	10.0	11.1	
89 1,3-Dichlorobenzene	146	12.143	12.143	0.000	97	268785	10.0	9.75	
88 4-Isopropyltoluene	119	12.177	12.177	0.000	97	452932	10.0	11.1	
90 1,4-Dichlorobenzene	146	12.245	12.245	0.000	95	276294	10.0	10.2	
92 Benzyl chloride	126	12.365	12.365	0.000	98	52559	10.0	9.84	
91 n-Butylbenzene	92	12.578	12.578	0.000	97	202041	10.0	10.1	
94 1,2-Dichlorobenzene	146	12.597	12.597	0.000	97	248961	10.0	9.62	
93 Hexachloroethane	117	12.852	12.852	0.000	88	111986	10.0	8.75	
95 1,2-Dibromo-3-Chloropropane	157	13.313	13.313	0.000	86	96375	10.0	8.83	
97 1,2,4-Trichlorobenzene	180	13.999	13.999	0.000	95	143391	8.70	8.24	
96 Hexachlorobutadiene	225	14.108	14.108	0.000	97	120473	10.0	9.02	
98 Naphthalene	128	14.213	14.213	0.000	97	338719	10.0	9.87	
S 100 1,2-Dichloroethene, Total	61				0	294992	20.0	19.1	
S 109 1,3-Dichloropropene, Total	75				0		20.0	19.2	
S 101 Xylenes, Total	91				0	744194	20.0	22.1	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRCAL10.0_00406	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00260	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 18-Dec-2023 08:58:41 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X03.D

Injection Date: 15-Dec-2023 08:32:21 Instrument ID: HP8R004

Lims ID: CCVIS

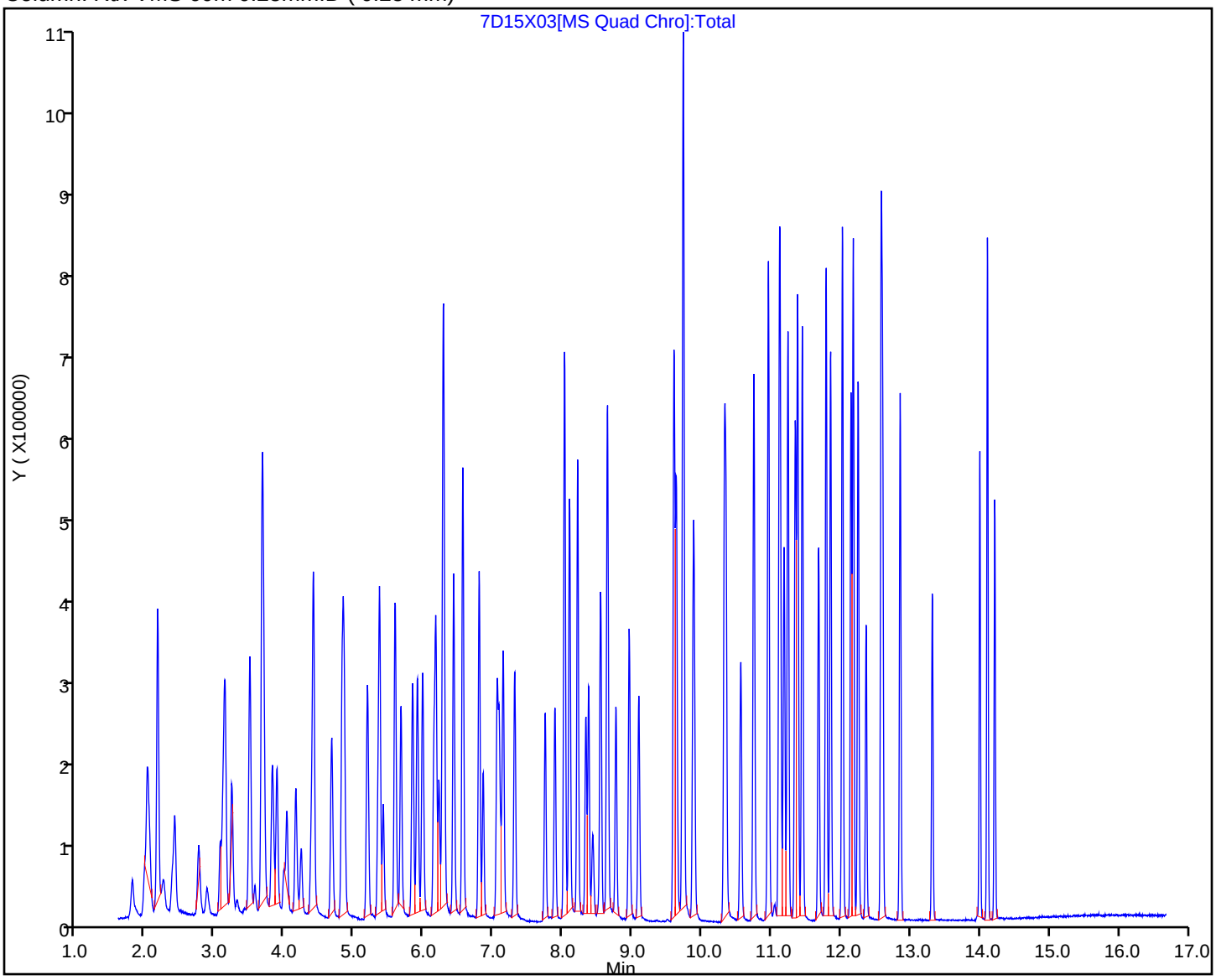
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 3

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

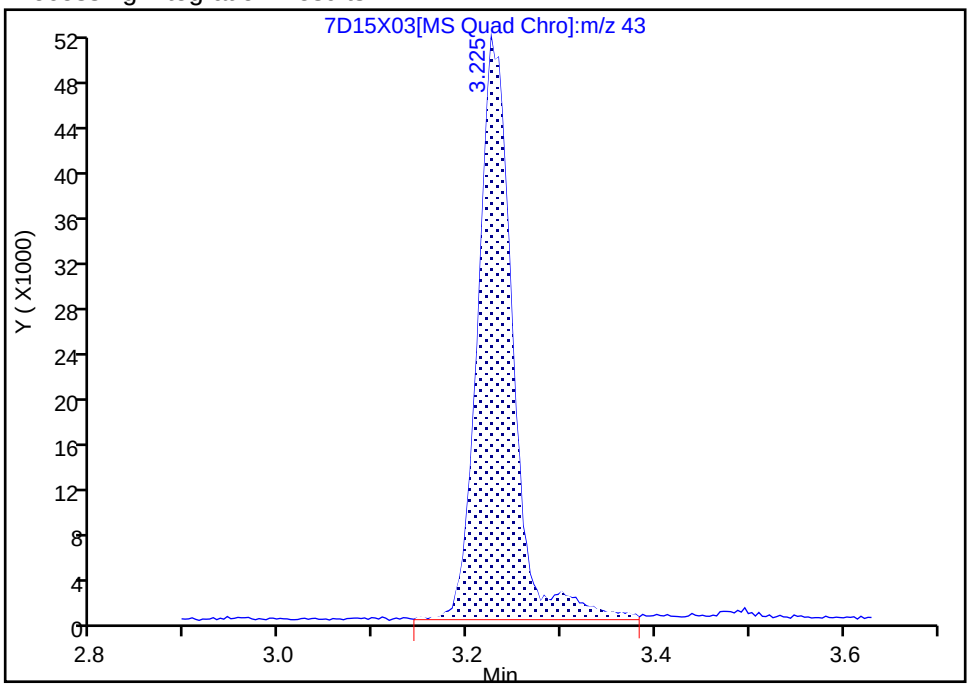
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Injection Date:	15-Dec-2023 08:32:21	Instrument ID:	HP8R004		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	3
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

11 Pentane, CAS: 109-66-0

Signal: 1

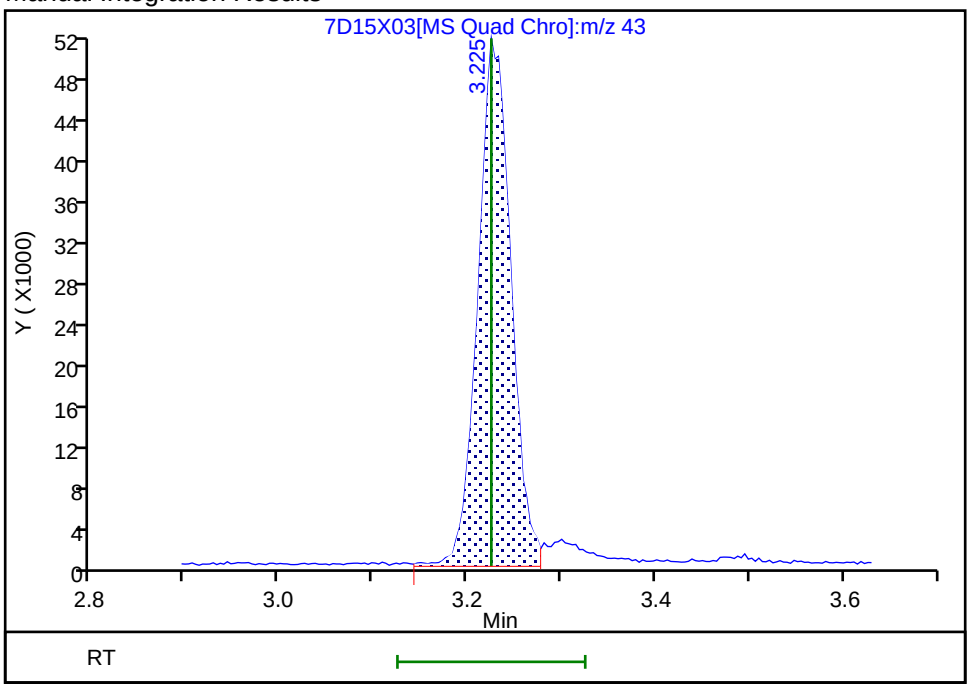
Processing Integration Results

RT: 3.23
Area: 133321
Amount: 9.205170
Amount Units: ppb v/v



Manual Integration Results

RT: 3.23
Area: 124921
Amount: 8.625191
Amount Units: ppb v/v



Reviewer: MLX9, 18-Dec-2023 08:48:36 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

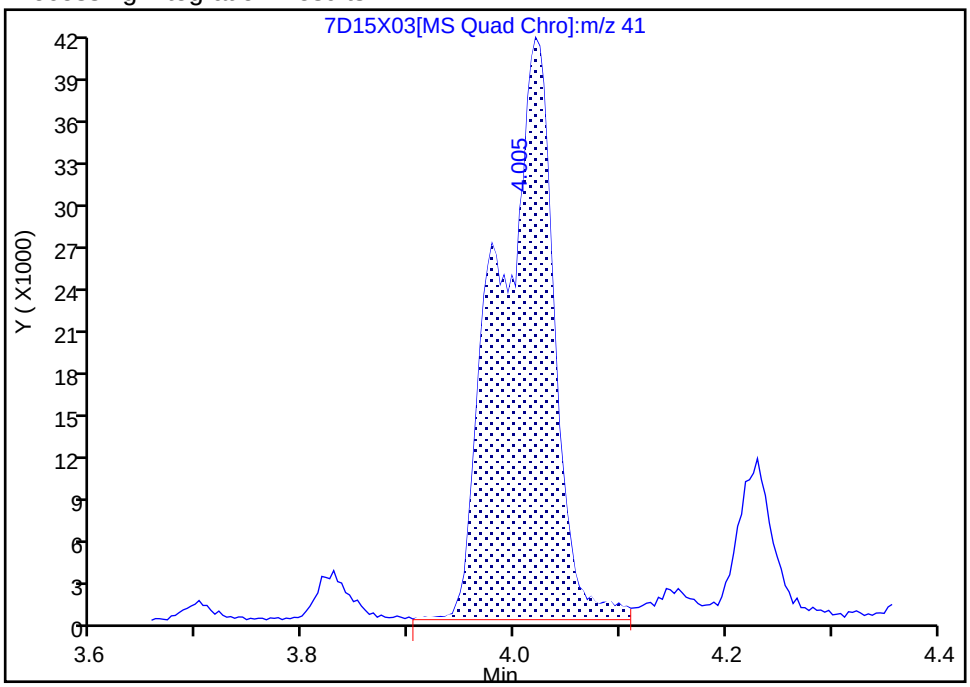
Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X03.D
Injection Date: 15-Dec-2023 08:32:21 Instrument ID: HP8R004
Lims ID: CCVIS
Client ID:
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Method: AirMS_HP8R004 Limit Group: MSV - TO15
Column: Rtx-VMS 60m 0.25mmID (0.25 mm) Detector MS Quad

21 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

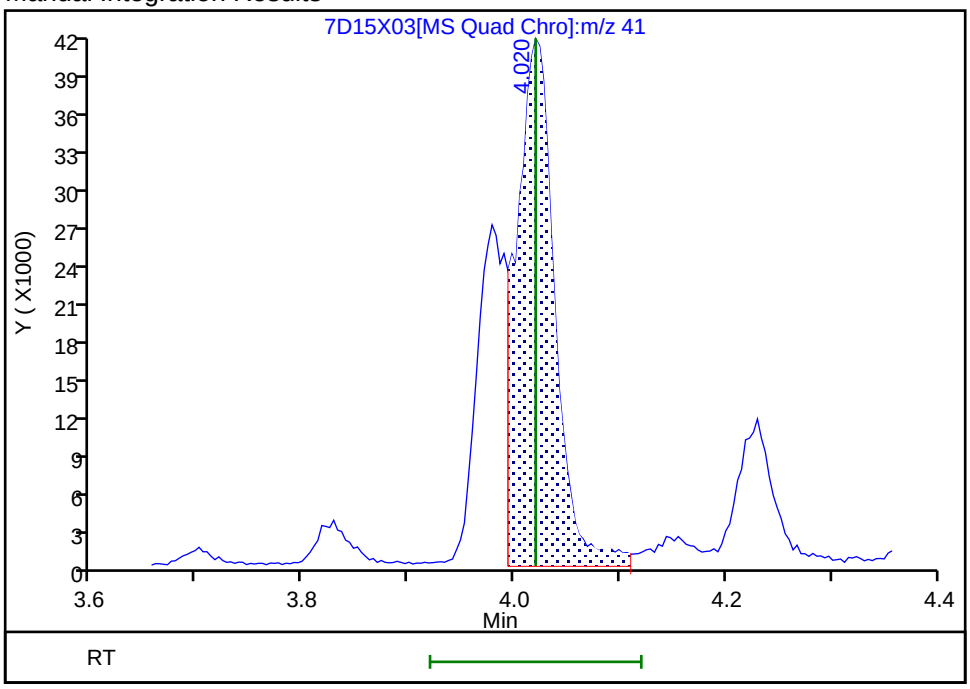
Processing Integration Results

RT: 4.00
Area: 151390
Amount: 14.075882
Amount Units: ppb v/v



Manual Integration Results

RT: 4.02
Area: 101792
Amount: 9.464378
Amount Units: ppb v/v



Reviewer: MLX9, 15-Dec-2023 08:58:08 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Oct-2023 14:11:32 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: bfb
Misc. Info.: 410-0097102-001
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 20-Oct-2023 09:36:31 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1684

First Level Reviewer: MLX9 Date: 19-Oct-2023 14:55:13

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	5.583	5.583	0.000	93	106768	20.0	20.0	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.142	6.142	0.000	0	152051	10.0	20.9	
* 50 1,4-Difluorobenzene	114	6.562	6.562	0.000	94	445133	20.0	20.0	
$ 103 Toluene-d8 (Surr)	98	8.027	8.027	0.000	93	527562	10.0	19.3	
* 68 Chlorobenzene-d5 (IS)	117	9.606	9.606	0.000	86	470758	20.0	20.0	
$ 110 BFB									

QC Flag Legend

Processing Flags

Reagents:

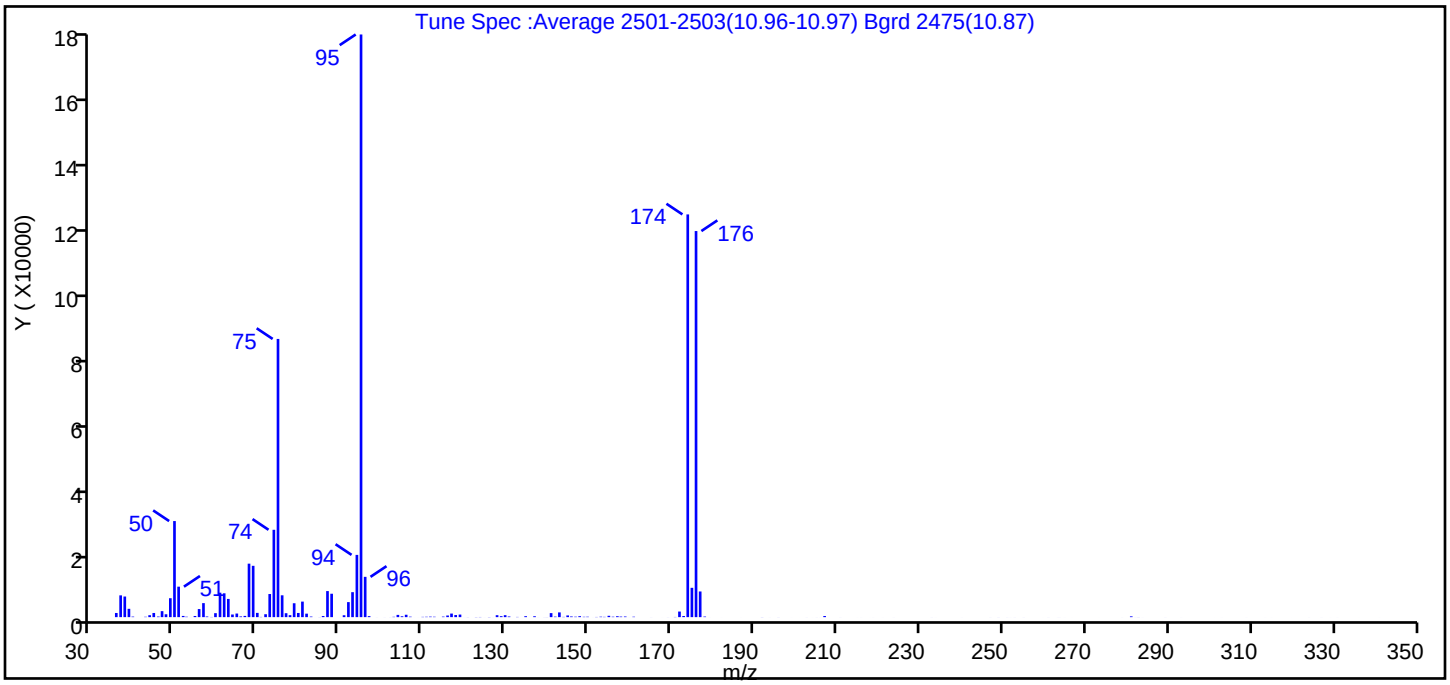
AIRBFB100ppb_00046 Amount Added: 20.00 Units: mL
AIRIS200 ppb_00245 Amount Added: 10.00 Units: mL Run Reagent

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19T01.D
Injection Date: 19-Oct-2023 14:11:32 Instrument ID: HP8R004
Lims ID: BFB
Client ID:
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: AirMS_HP8R004 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	16.5
75	30.0 to 66.0 Percent of m/e 95	47.7
96	5.0 to 9.0 Percent of m/e 95	6.9
173	Less than 2.0 Percent of m/e 174	0.2 (0.3)
174	50.0 to 120.0 Percent of m/e 95	69.1
175	4.0 to 9.0 Percent of m/e 174	5.0 (7.3)
176	93.0 to 101.0 Percent of m/e 174	66.3 (95.9)
177	5.0 to 9.0 Percent of m/e 176	4.4 (6.6)

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19T01.D\AirMS_HP8R004.rslt\spectra.d
Injection Date: 19-Oct-2023 14:11:32
Spectrum: Tune Spec :Average 2501-2503(10.96-10.97) Bgrd 2475(10.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 204

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1215	90.00	4	147.00	131	228.00	1
37.00	6358	91.00	554	148.00	282	231.00	1
38.00	6020	92.00	4385	149.00	99	233.00	7
39.00	2431	93.00	7286	150.00	122	234.00	3
40.00	157	94.00	18168	151.00	4	238.00	1
43.00	106	95.00	170048	152.00	54	240.00	4
44.00	565	96.00	11762	153.00	133	242.00	1
45.00	1214	97.00	292	154.00	80	247.00	7
46.00	171	99.00	7	155.00	394	249.00	11
47.00	1748	101.00	9	156.00	129	251.00	8
48.00	840	102.00	12	157.00	268	252.00	4
49.00	5525	103.00	97	158.00	163	253.00	8
50.00	28040	104.00	657	159.00	184	254.00	1
51.00	8893	105.00	250	160.00	6	255.00	8
52.00	352	106.00	698	161.00	124	260.00	2
53.00	124	107.00	137	163.00	1	261.00	7
54.00	9	108.00	3	165.00	9	262.00	1
55.00	338	109.00	4	168.00	3	263.00	6
56.00	2359	110.00	79	169.00	10	264.00	5
57.00	4091	111.00	109	171.00	53	265.00	3
58.00	186	112.00	153	172.00	1634	267.00	2
59.00	51	113.00	117	173.00	329	273.00	2
60.00	1160	115.00	154	174.00	117536	277.00	1
61.00	7138	116.00	478	175.00	8559	279.00	6
62.00	6958	117.00	1044	176.00	112680	281.00	225
63.00	5315	118.00	614	177.00	7492	282.00	8
64.00	772	119.00	751	178.00	170	283.00	18
65.00	1051	120.00	6	179.00	6	284.00	4
66.00	212	121.00	20	182.00	3	285.00	1
67.00	361	123.00	38	187.00	3	289.00	7
68.00	15608	124.00	48	192.00	22	293.00	4
69.00	14979	125.00	6	194.00	5	296.00	1
70.00	1242	126.00	42	196.00	13	298.00	1

Report Date: 20-Oct-2023 09:36:31 Chrom Revision: 2.3 18-Oct-2023 21:16:54
Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19T01.D\AirMS_HP8R004.rslt\spectra.d
Injection Date: 19-Oct-2023 14:11:32
Spectrum: Tune Spec :Average 2501-2503(10.96-10.97) Bgrd 2475(10.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 204

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	61	127.00	6	198.00	1	301.00	2
72.00	851	128.00	567	199.00	3	303.00	3
73.00	6747	129.00	279	200.00	1	309.00	4
74.00	25496	130.00	569	201.00	2	313.00	3
75.00	81192	131.00	190	203.00	7	315.00	3
76.00	6373	132.00	1	204.00	3	319.00	1
77.00	1150	133.00	61	205.00	7	320.00	2
78.00	575	135.00	278	206.00	4	324.00	6
79.00	4055	137.00	258	207.00	322	325.00	1
80.00	1217	138.00	7	208.00	2	327.00	5
81.00	4535	139.00	13	211.00	7	329.00	3
82.00	1016	140.00	19	215.00	3	331.00	4
83.00	168	141.00	1175	216.00	4	336.00	2
84.00	3	142.00	148	218.00	2	337.00	1
85.00	24	143.00	1380	219.00	4	341.00	3
86.00	321	144.00	68	221.00	3	343.00	1
87.00	7605	145.00	493	224.00	5	344.00	1
88.00	6832	146.00	198	227.00	1	350.00	1

Report Date: 20-Oct-2023 09:36:31 Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19T01.D

Injection Date: 19-Oct-2023 14:11:32 Instrument ID: HP8R004

Lims ID: BFB

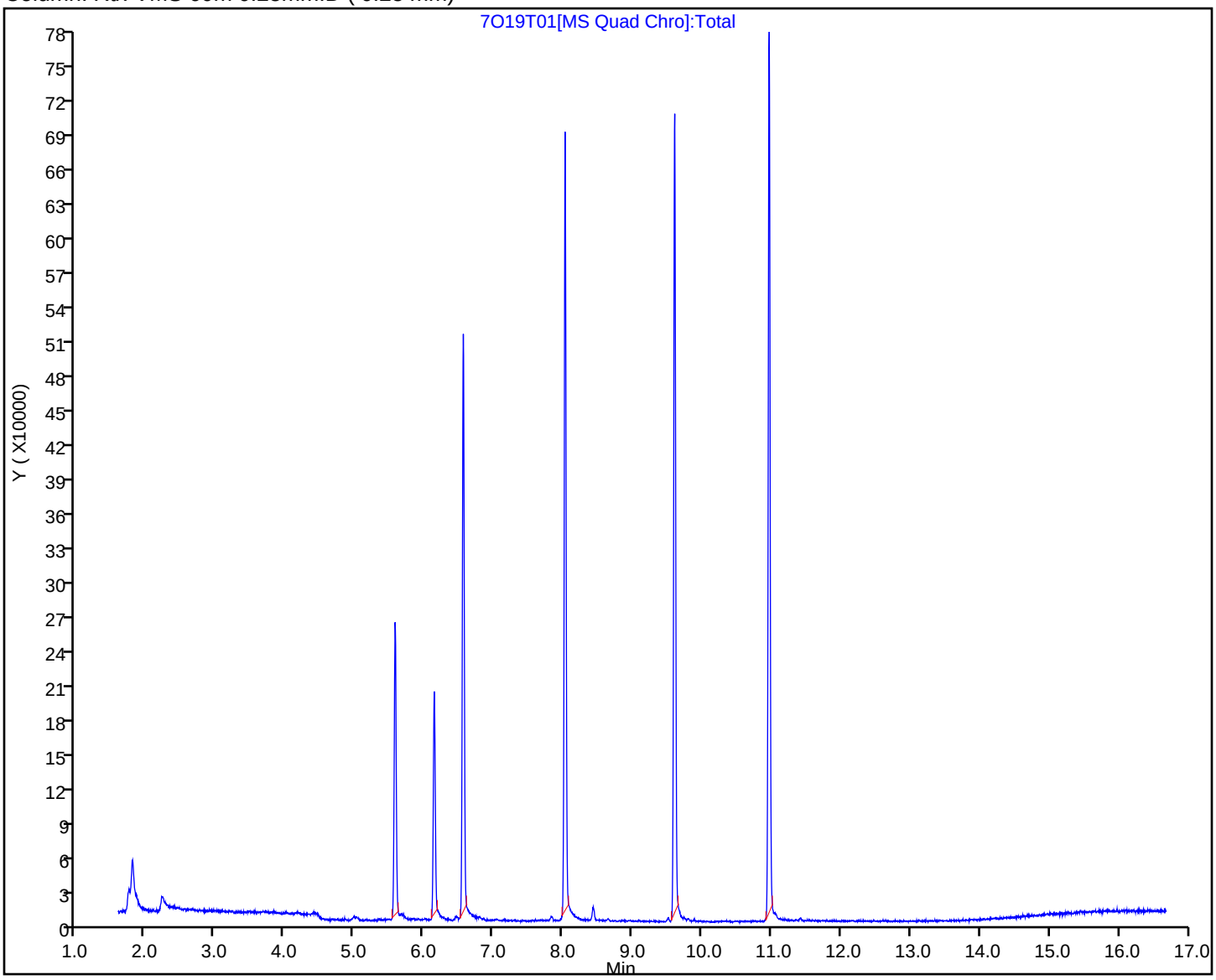
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 1

Injection Vol: 200.0 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 14-Dec-2023 07:56:52 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 14-Dec-2023 11:55:21 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: MLX9 Date: 14-Dec-2023 08:35:49

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	5.576	5.576	0.000	90	92794	20.0	20.0	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.134	6.134	0.000	0	116386	20.0	18.4	
* 50 1,4-Difluorobenzene	114	6.551	6.551	0.000	93	401294	20.0	20.0	
$ 103 Toluene-d8 (Surr)	98	8.020	8.020	0.000	93	472198	20.0	19.0	
* 68 Chlorobenzene-d5 (IS)	117	9.594	9.594	0.000	89	428437	20.0	20.0	
$ 110 BFB									

Reagents:

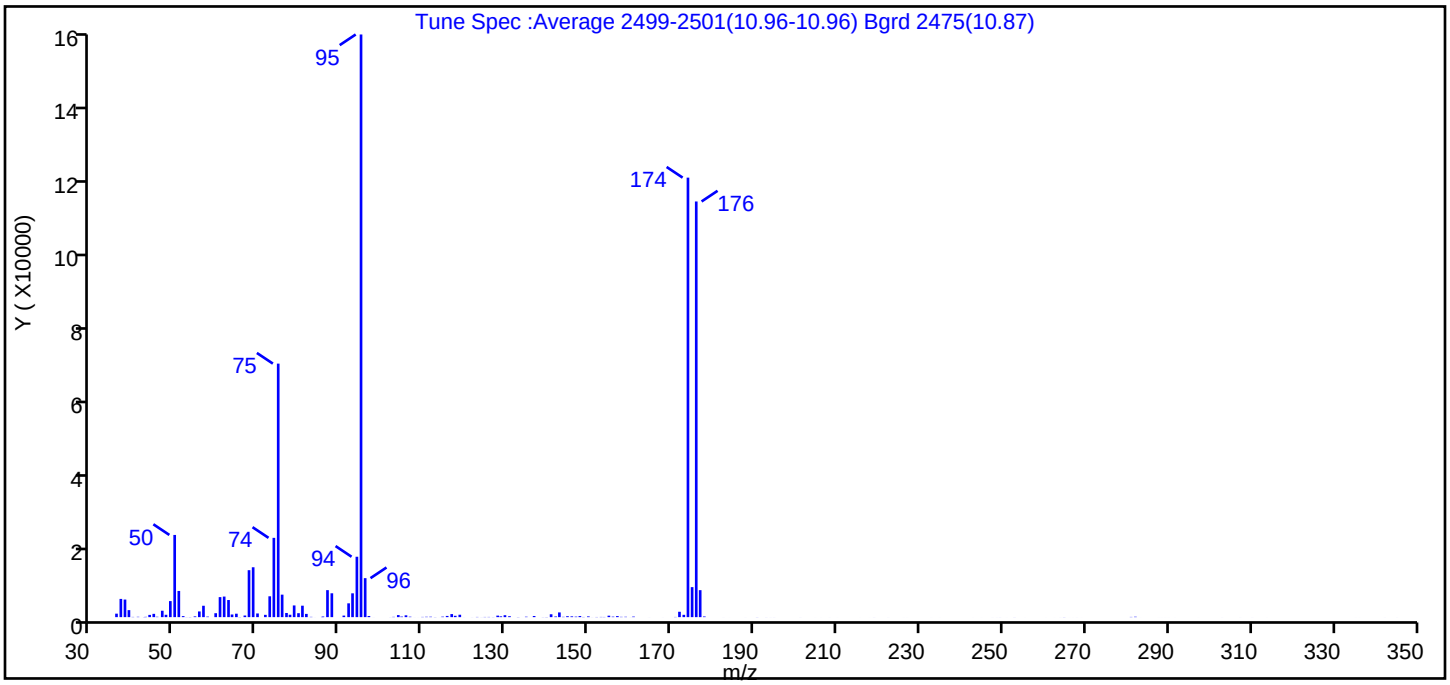
AIRBFB100ppb_00054 Amount Added: 20.00 Units: mL
AIRIS200 ppb_00260 Amount Added: 10.00 Units: mL Run Reagent

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14T01.D
Injection Date: 14-Dec-2023 07:56:52 Instrument ID: HP8R004
Lims ID: BFB
Client ID:
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: AirMS_HP8R004 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	14.1
75	30.0 to 66.0 Percent of m/e 95	43.5
96	5.0 to 9.0 Percent of m/e 95	6.7
173	Less than 2.0 Percent of m/e 174	0.4 (0.5)
174	50.0 to 120.0 Percent of m/e 95	75.4
175	4.0 to 9.0 Percent of m/e 174	5.1 (6.8)
176	93.0 to 101.0 Percent of m/e 174	71.3 (94.6)
177	5.0 to 9.0 Percent of m/e 176	4.6 (6.5)

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14T01.D\AirMS_HP8R004.rslt\spectra.
Injection Date: 14-Dec-2023 07:56:52
Spectrum: Tune Spec :Average 2499-2501(10.96-10.96) Bgrd 2475(10.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	901	91.00	401	150.00	189	249.00	8
37.00	4718	92.00	3575	151.00	9	251.00	3
38.00	4552	93.00	6165	152.00	43	253.00	12
39.00	1812	94.00	15631	153.00	55	255.00	2
40.00	57	95.00	150784	154.00	47	259.00	1
41.00	88	96.00	10091	155.00	376	260.00	2
43.00	32	97.00	288	156.00	130	262.00	2
43.00	76	98.00	7	157.00	272	264.00	6
44.00	581	102.00	13	158.00	77	265.00	20
45.00	853	103.00	72	159.00	95	266.00	2
46.00	99	104.00	533	160.00	9	267.00	3
47.00	1659	105.00	144	161.00	142	268.00	5
48.00	608	106.00	471	165.00	4	269.00	2
49.00	4151	107.00	116	165.00	3	272.00	1
50.00	21272	108.00	6	168.00	5	273.00	1
51.00	6778	109.00	5	171.00	50	279.00	1
52.00	263	110.00	59	172.00	1392	281.00	56
53.00	21	111.00	94	173.00	601	282.00	102
54.00	37	112.00	110	174.00	113736	283.00	3
55.00	196	113.00	29	175.00	7765	284.00	1
56.00	1476	114.00	4	176.00	107568	288.00	2
57.00	2946	115.00	131	177.00	6983	288.00	2
58.00	141	116.00	314	178.00	168	289.00	3
60.00	1018	117.00	793	179.00	3	290.00	3
61.00	5183	118.00	351	183.00	4	292.00	2
62.00	5326	119.00	622	184.00	3	292.00	1
63.00	4428	120.00	7	188.00	4	297.00	2
64.00	688	122.00	10	191.00	19	299.00	1
65.00	890	123.00	52	193.00	10	301.00	1
66.00	38	124.00	12	194.00	6	303.00	4
67.00	420	125.00	50	195.00	8	304.00	1
68.00	12150	126.00	54	201.00	7	307.00	4
69.00	12908	127.00	23	205.00	2	310.00	4

Report Date: 14-Dec-2023 11:55:21 Chrom Revision: 2.3 30-Nov-2023 17:25:52
Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14T01.D\AirMS_HP8R004.rslt\spectra.
Injection Date: 14-Dec-2023 07:56:52
Spectrum: Tune Spec :Average 2499-2501(10.96-10.96) Bgrd 2475(10.87)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	954	128.00	392	206.00	2	314.00	2
71.00	2	129.00	202	208.00	4	317.00	1
72.00	597	130.00	498	210.00	2	318.00	1
73.00	5397	131.00	238	211.00	1	319.00	1
74.00	20520	132.00	1	216.00	2	321.00	1
75.00	65608	133.00	35	218.00	3	322.00	1
76.00	5822	135.00	111	219.00	8	323.00	1
77.00	1078	136.00	3	222.00	5	327.00	1
78.00	623	137.00	292	225.00	1	328.00	1
79.00	3028	139.00	21	226.00	2	331.00	1
80.00	1024	140.00	36	227.00	2	335.00	2
81.00	2962	141.00	744	231.00	1	336.00	2
82.00	841	142.00	167	233.00	3	339.00	1
83.00	70	143.00	1219	235.00	2	342.00	5
84.00	6	144.00	79	238.00	1	345.00	5
86.00	28	145.00	242	240.00	1	349.00	1
86.00	161	146.00	204	243.00	2	350.00	1
87.00	6988	147.00	132	245.00	2		
88.00	6174	148.00	284	248.00	5		
90.00	4	149.00	46	249.00	5		

Report Date: 14-Dec-2023 11:55:21 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14T01.D

Injection Date: 14-Dec-2023 07:56:52 Instrument ID: HP8R004

Lims ID: BFB

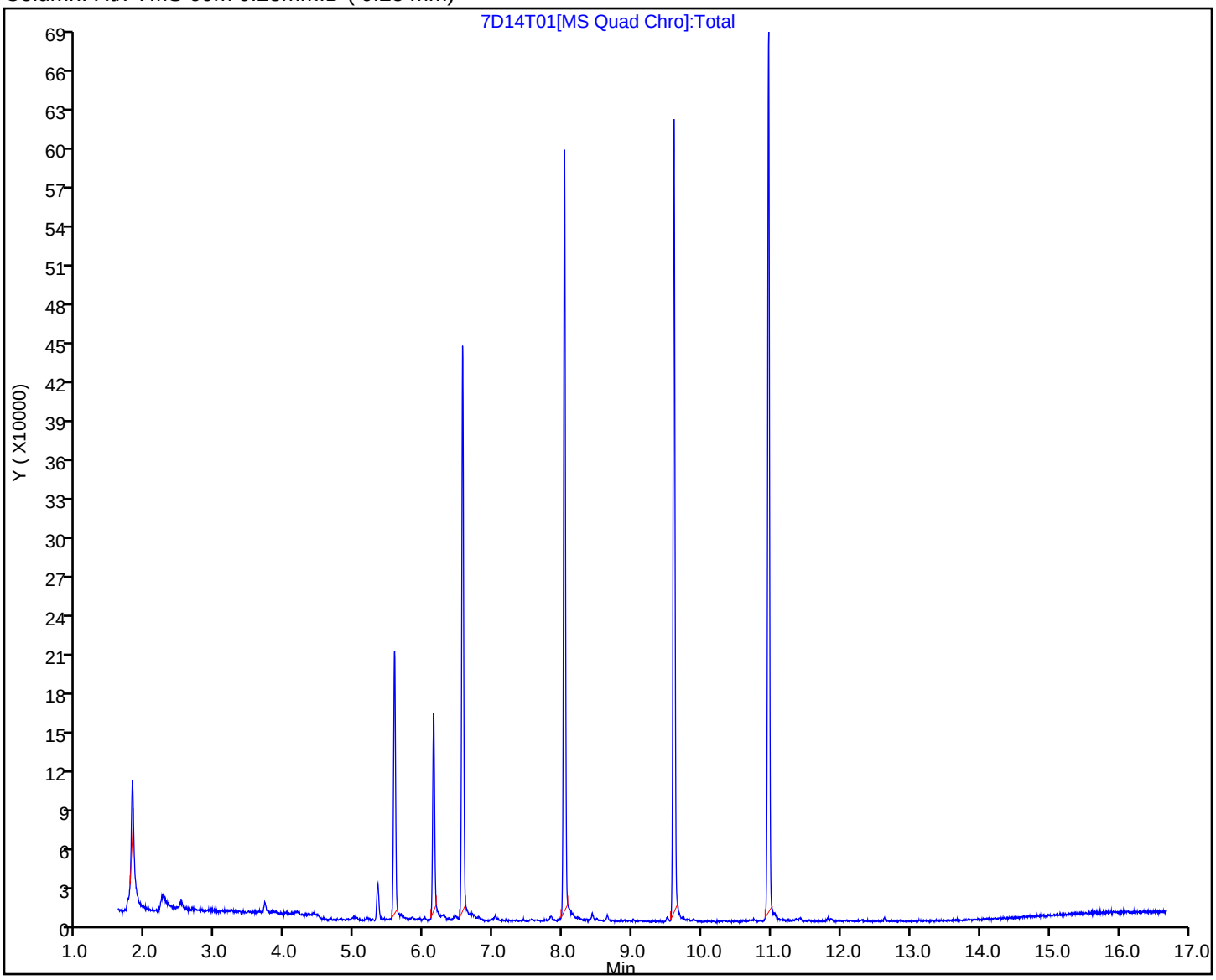
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 1

Injection Vol: 200.0 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15T01.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 15-Dec-2023 07:23:09 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 18-Dec-2023 08:59:12 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1615

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	5.568	5.568	0.000	89	81291	20.0	20.0	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.130	6.130	0.000	0	102902	20.0	18.6	
* 50 1,4-Difluorobenzene	114	6.550	6.550	0.000	93	336832	20.0	20.0	
$ 103 Toluene-d8 (Surr)	98	8.016	8.016	0.000	93	391157	20.0	18.2	
* 68 Chlorobenzene-d5 (IS)	117	9.594	9.594	0.000	84	370986	20.0	20.0	
$ 110 BFB									

Reagents:

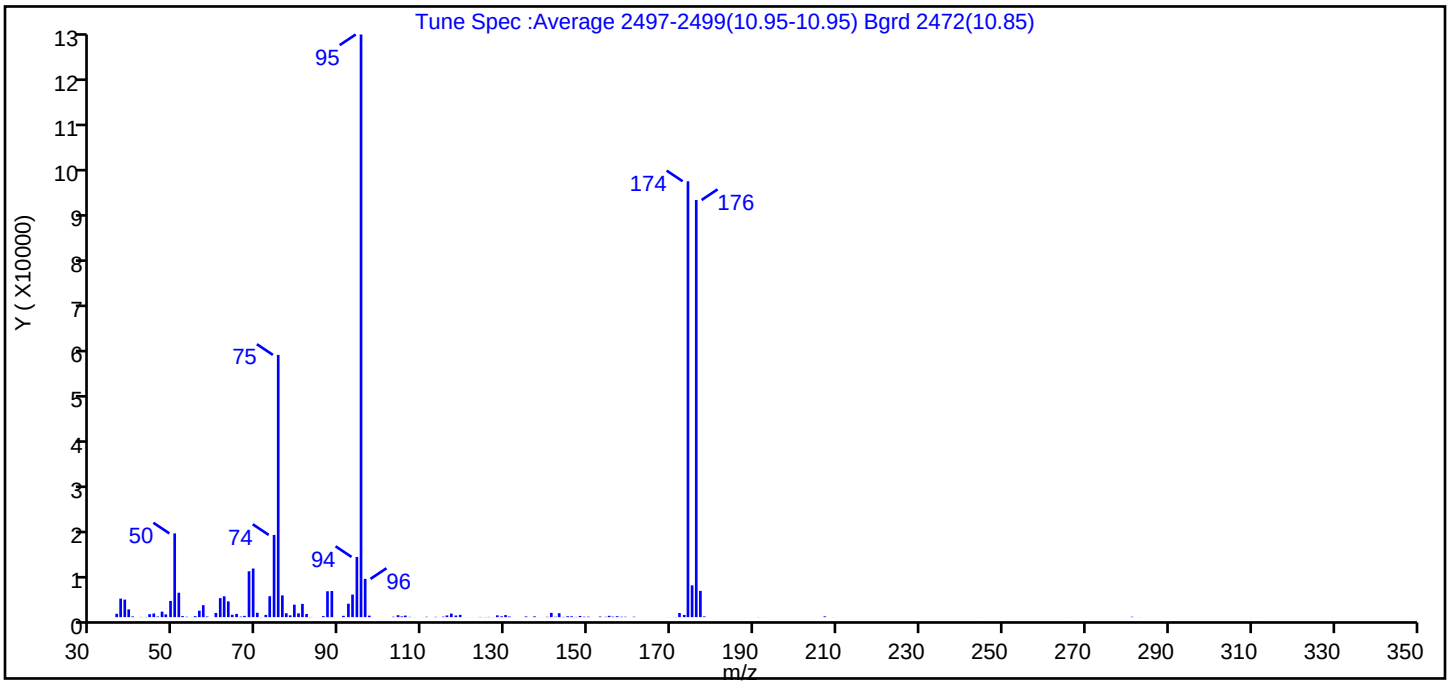
AIRBFB100ppb_00054 Amount Added: 20.00 Units: mL
AIRIS200 ppb_00260 Amount Added: 10.00 Units: mL Run Reagent

MS Tune Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15T01.D
Injection Date: 15-Dec-2023 07:23:09 Instrument ID: HP8R004
Lims ID: BFB
Client ID:
Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 200.0 mL Dil. Factor: 1.0000
Method: AirMS_HP8R004 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	14.4
75	30.0 to 66.0 Percent of m/e 95	45.0
96	5.0 to 9.0 Percent of m/e 95	6.6
173	Less than 2.0 Percent of m/e 174	0.4 (0.5)
174	50.0 to 120.0 Percent of m/e 95	74.8
175	4.0 to 9.0 Percent of m/e 174	5.5 (7.3)
176	93.0 to 101.0 Percent of m/e 174	71.6 (95.7)
177	5.0 to 9.0 Percent of m/e 176	4.5 (6.3)

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15T01.D\AirMS_HP8R004.rslt\spectra.
Injection Date: 15-Dec-2023 07:23:09
Spectrum: Tune Spec :Average 2497-2499(10.95-10.95) Bgrd 2472(10.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	722	92.00	2895	153.00	131	235.00	3
37.00	4002	93.00	4879	154.00	67	237.00	2
38.00	3788	94.00	12996	155.00	285	240.00	7
39.00	1681	95.00	125816	156.00	111	243.00	3
40.00	154	96.00	8259	157.00	201	244.00	7
42.00	44	97.00	325	158.00	85	245.00	5
43.00	41	101.00	1	159.00	81	251.00	4
44.00	632	103.00	88	160.00	6	252.00	1
45.00	785	104.00	420	161.00	86	254.00	2
46.00	132	105.00	160	162.00	1	255.00	1
47.00	1192	106.00	335	165.00	2	258.00	2
48.00	594	107.00	63	167.00	4	260.00	2
49.00	3500	108.00	19	169.00	1	263.00	1
50.00	18080	110.00	7	169.00	12	265.00	8
51.00	5271	111.00	80	170.00	1	266.00	5
52.00	229	113.00	65	171.00	31	267.00	5
53.00	80	115.00	99	172.00	891	268.00	3
54.00	16	116.00	371	173.00	469	271.00	2
55.00	209	117.00	768	174.00	94120	274.00	3
56.00	1390	118.00	352	175.00	6868	276.00	2
57.00	2583	119.00	490	176.00	90072	277.00	1
58.00	137	120.00	8	177.00	5671	279.00	1
59.00	6	121.00	11	178.00	152	281.00	87
60.00	906	122.00	16	180.00	6	282.00	5
61.00	4110	123.00	10	182.00	2	283.00	11
62.00	4502	124.00	46	183.00	1	284.00	2
63.00	3400	125.00	35	185.00	1	285.00	2
64.00	510	126.00	50	186.00	1	286.00	2
65.00	704	127.00	22	188.00	1	287.00	1
66.00	112	128.00	391	190.00	4	291.00	3
67.00	276	129.00	179	191.00	23	299.00	1
68.00	9904	130.00	442	192.00	1	302.00	1
69.00	10503	131.00	136	193.00	8	302.00	5

Report Date: 18-Dec-2023 08:59:12 Chrom Revision: 2.3 30-Nov-2023 17:25:52
Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15T01.D\AirMS_HP8R004.rslt\spectra.
Injection Date: 15-Dec-2023 07:23:09
Spectrum: Tune Spec :Average 2497-2499(10.95-10.95) Bgrd 2472(10.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 209

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	941	132.00	1	194.00	2	304.00	2
71.00	20	133.00	4	195.00	4	305.00	2
72.00	481	134.00	4	197.00	2	306.00	3
73.00	4524	135.00	160	200.00	3	307.00	3
74.00	17752	136.00	10	201.00	1	310.00	7
75.00	56632	137.00	170	202.00	2	311.00	2
76.00	4697	138.00	9	204.00	2	312.00	8
77.00	842	139.00	4	207.00	170	314.00	1
78.00	390	140.00	75	209.00	15	323.00	1
79.00	2693	141.00	930	210.00	2	325.00	4
80.00	825	142.00	84	211.00	1	329.00	7
81.00	2860	143.00	847	212.00	6	330.00	2
82.00	686	144.00	53	219.00	1	337.00	4
83.00	39	145.00	193	220.00	5	340.00	1
84.00	7	146.00	177	223.00	6	341.00	1
86.00	219	147.00	41	224.00	2	342.00	5
87.00	5591	148.00	257	226.00	5	346.00	1
88.00	5642	149.00	92	226.00	1		
89.00	5	150.00	106	229.00	3		
91.00	289	151.00	1	230.00	1		

Report Date: 18-Dec-2023 08:59:12 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15T01.D

Injection Date: 15-Dec-2023 07:23:09 Instrument ID: HP8R004

Lims ID: BFB

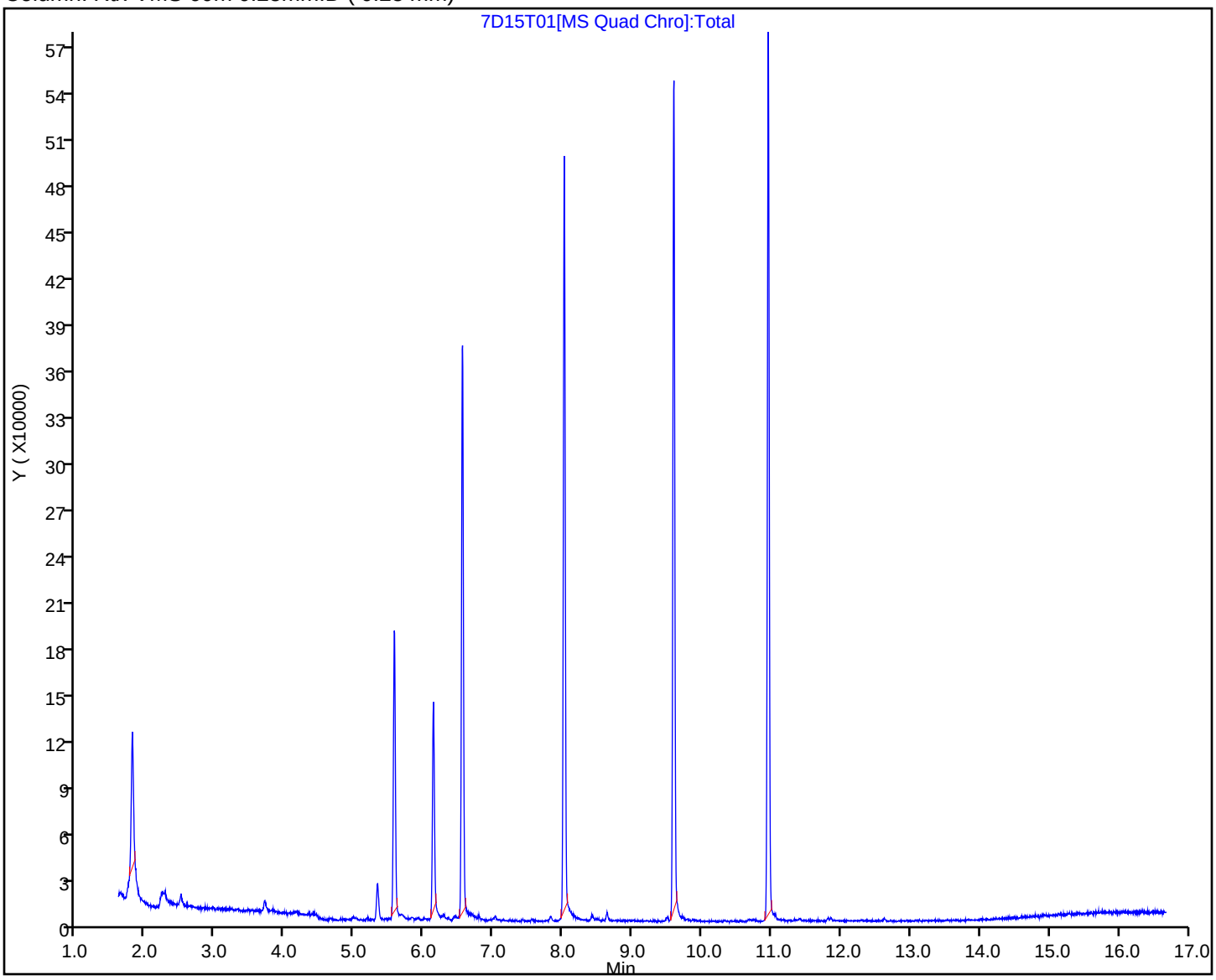
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 1

Injection Vol: 200.0 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-453905/8

Matrix: Air
Lab File ID: 7D14X08.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/14/2023 10:57

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905
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		8.2	2.0
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	2.4
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	2.7
75-25-2	Bromoform	ND		10	4.1
74-83-9	Bromomethane	ND		3.9	0.78
75-15-0	Carbon disulfide	ND		3.1	1.2
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	1.4
75-00-3	Chloroethane	ND		2.6	0.79
67-66-3	Chloroform	ND		4.9	0.45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-453905/8

Matrix: Air Lab File ID: 7D14X08.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 12/14/2023 10:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905 Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	ND		2.1	0.83
156-59-2	cis-1,2-Dichloroethene	ND		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.45
98-82-8	Cumene	ND		4.9	1.2
124-48-1	Dibromochloromethane	ND		8.5	3.4
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	1.9
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	1.5
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 Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X08.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 14-Dec-2023 10:57:23 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 410-0101896-008
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 14-Dec-2023 11:55:21 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: MLX9 Date: 14-Dec-2023 11:43:53

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	5.583	5.576	0.007	91	117108	10.0	10.0	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.145	6.134	0.011	0	148012	10.0	9.27	
* 50 1,4-Difluorobenzene	114	6.562	6.551	0.011	93	456629	10.0	10.0	
$ 103 Toluene-d8 (Surr)	98	8.024	8.020	0.004	93	537424	10.0	9.80	
* 68 Chlorobenzene-d5 (IS)	117	9.602	9.594	0.008	85	472393	10.0	10.0	
$ 110 BFB									

QC Flag Legend
Processing Flags

Reagents:
AIRIS200 ppb_00260 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 14-Dec-2023 11:55:27 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X08.D

Injection Date: 14-Dec-2023 10:57:23 Instrument ID: HP8R004

Lims ID: MB

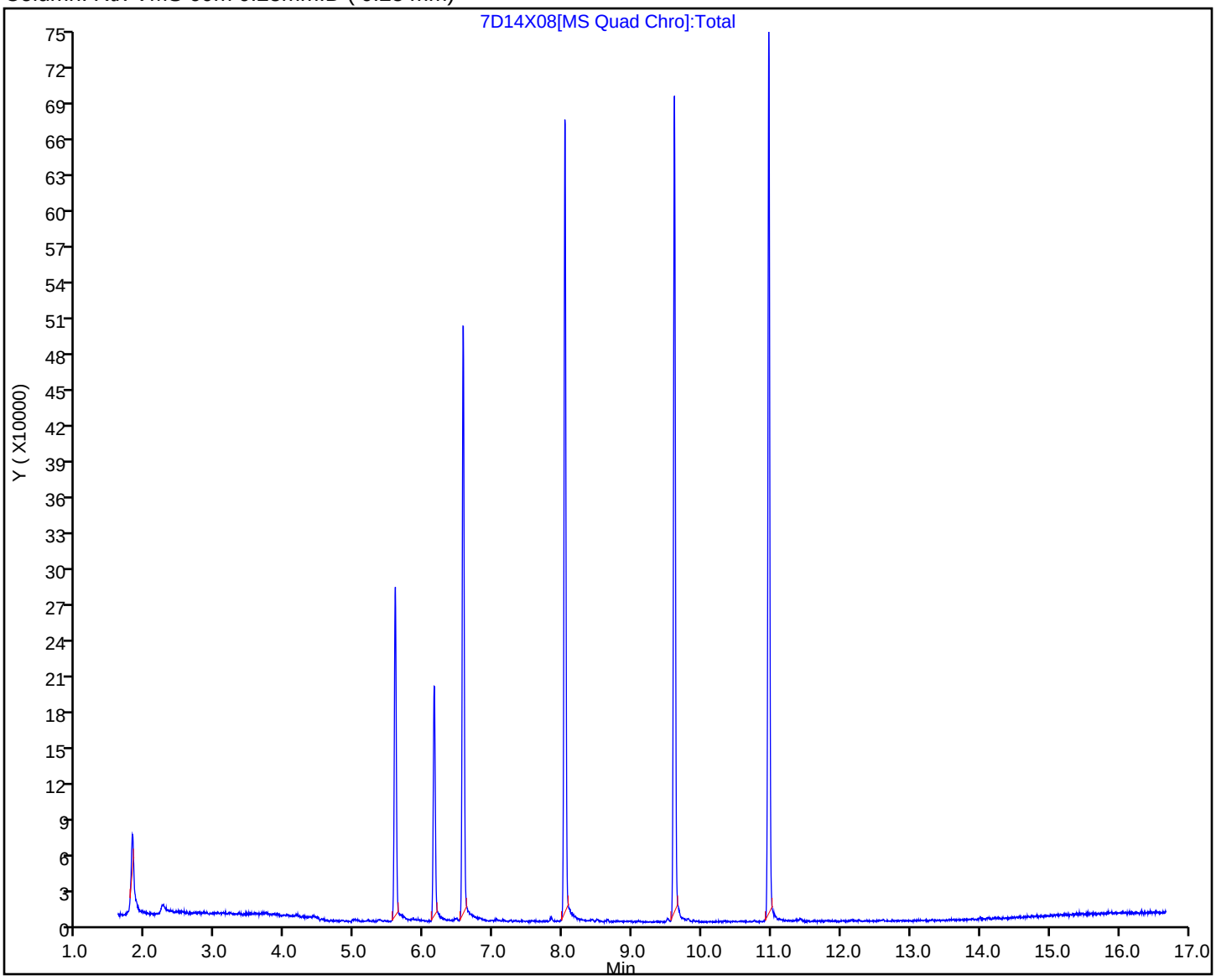
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 8

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X08.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	14-Dec-2023 10:57:23	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	MB				
Misc. Info.:	410-0101896-008				
Operator ID:	bcb85445	Instrument ID:	HP8R004		
Method:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m				
Limit Group:	MSV - TO15				
Last Update:	14-Dec-2023 11:55:21	Calib Date:	19-Oct-2023 17:54:23		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D				
Column 1 :	Rtx-VMS 60m 0.25mmID (0.25 mm)		Det: MS Quad		
Process Host:	CTX1632				

First Level Reviewer: MLX9 Date: 14-Dec-2023 11:43:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 104 1,2-Dichloroethane-d4 (Surr)	10.0	9.27	92.72
$ 103 Toluene-d8 (Surr)	10.0	9.80	98.01

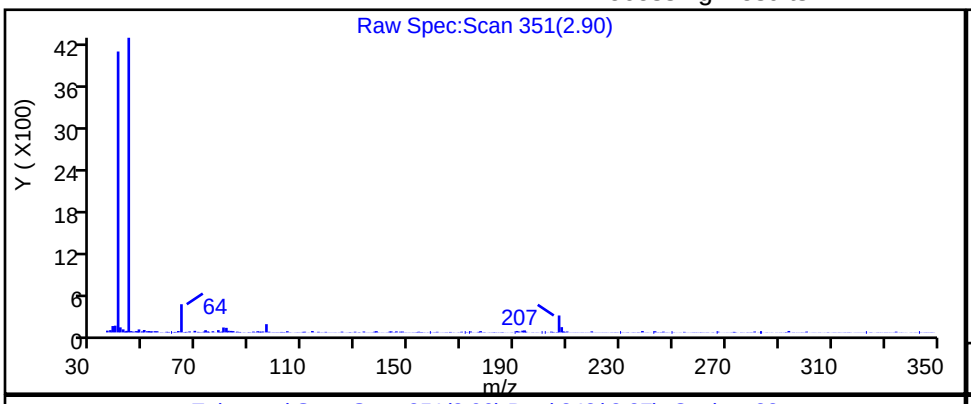
User Disabled Compound Report

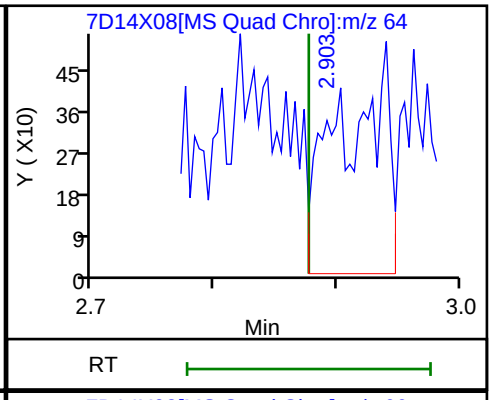
Eurofins Lancaster Laboratories Environment Testing, LLC

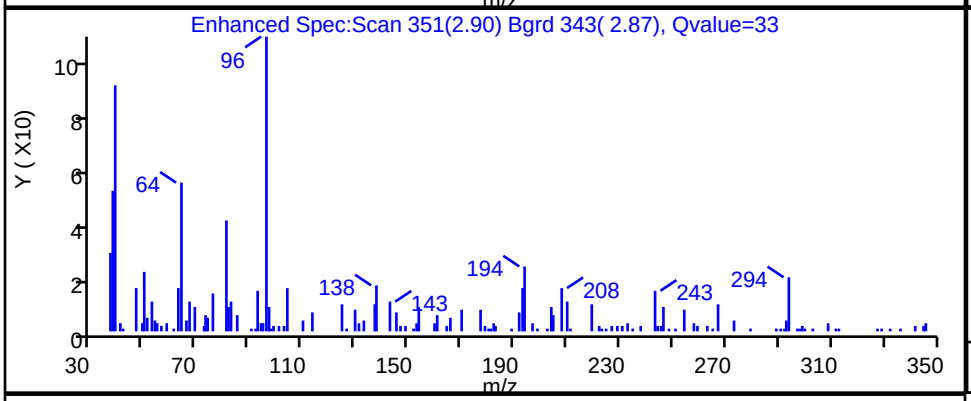
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Injection Date:	14-Dec-2023 10:57:23	Instrument ID:	HP8R004		
Lims ID:	MB				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

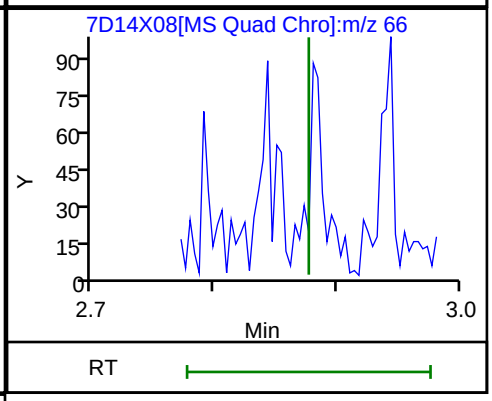
9 Chloroethane, CAS: 75-00-3

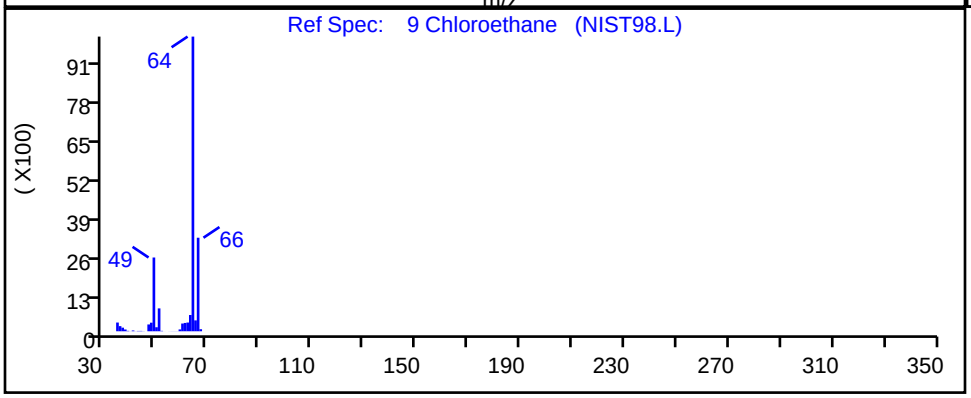
Processing Results











RT	Mass	Response	Amount
2.90	64.00	1321	0.227949
2.88	66.00	0	

Reviewer: MLX9, 14-Dec-2023 11:33:03 -05:00:00 (UTC)

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-454438/8

Matrix: Air
Lab File ID: 7D15X08.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/15/2023 10:22

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 454438
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		8.2	2.0
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	2.4
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	2.7
75-25-2	Bromoform	ND		10	4.1
74-83-9	Bromomethane	ND		3.9	0.78
75-15-0	Carbon disulfide	ND		3.1	1.2
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	1.4
75-00-3	Chloroethane	ND		2.6	0.79
67-66-3	Chloroform	ND		4.9	0.45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: MB 410-454438/8

Matrix: Air
Lab File ID: 7D15X08.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/15/2023 10:22

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 454438
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	ND		2.1	0.83
156-59-2	cis-1,2-Dichloroethene	ND		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	ND		4.5	0.45
98-82-8	Cumene	ND		4.9	1.2
124-48-1	Dibromochloromethane	ND		8.5	3.4
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	1.9
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	1.5
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 Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X08.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 15-Dec-2023 10:22:45 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 410-0102007-008
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 18-Dec-2023 08:58:14 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: MLX9 Date: 18-Dec-2023 08:53:53

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	5.587	5.576	0.011	91	116801	10.0	10.0	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.149	6.142	0.007	0	137952	10.0	8.66	
* 50 1,4-Difluorobenzene	114	6.565	6.554	0.011	94	431562	10.0	10.0	
$ 103 Toluene-d8 (Surr)	98	8.027	8.020	0.007	94	489458	10.0	9.50	
* 68 Chlorobenzene-d5 (IS)	117	9.602	9.594	0.008	85	443862	10.0	10.0	
$ 110 BFB									

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00260 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 18-Dec-2023 08:58:25 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X08.D

Injection Date: 15-Dec-2023 10:22:45 Instrument ID: HP8R004

Lims ID: MB

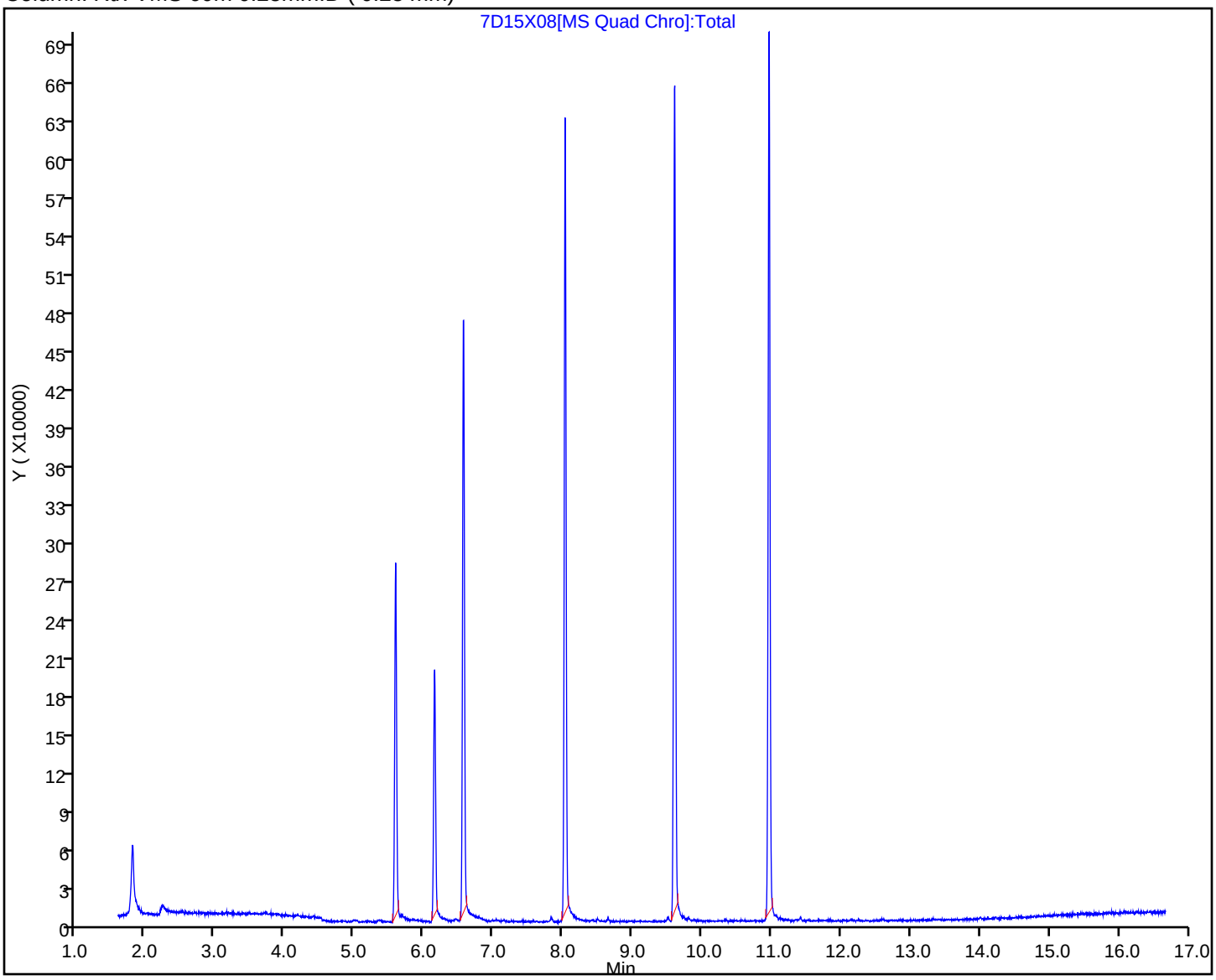
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 8

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X08.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	15-Dec-2023 10:22:45	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	MB				
Misc. Info.:	410-0102007-008				
Operator ID:	bcb85445	Instrument ID:	HP8R004		
Method:	\\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m				
Limit Group:	MSV - TO15				
Last Update:	18-Dec-2023 08:58:14	Calib Date:	19-Oct-2023 17:54:23		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D				
Column 1 :	Rtx-VMS 60m 0.25mmID (0.25 mm)		Det: MS Quad		
Process Host:	CTX1615				

First Level Reviewer: MLX9 Date: 18-Dec-2023 08:53:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 104 1,2-Dichloroethane-d4 (Surr)	10.0	8.66	86.65
$ 103 Toluene-d8 (Surr)	10.0	9.50	95.00

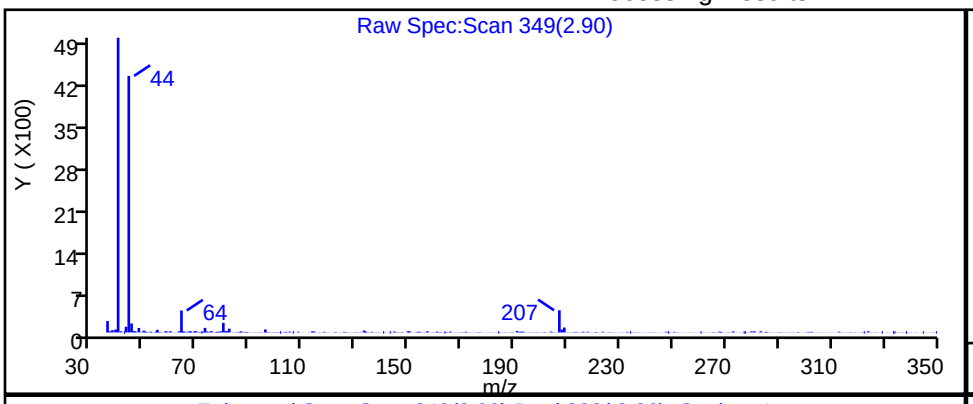
User Disabled Compound Report

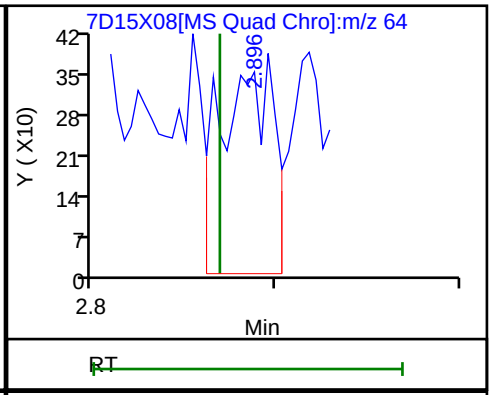
Eurofins Lancaster Laboratories Environment Testing, LLC

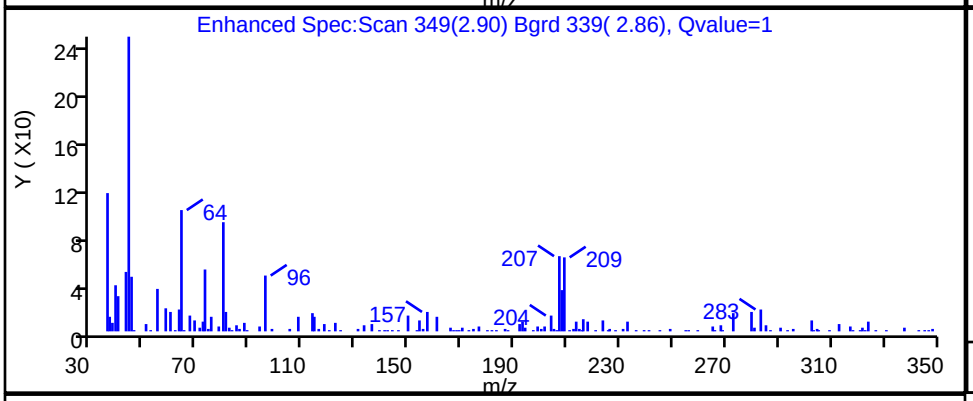
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X08.D				
Injection Date:	15-Dec-2023 10:22:45	Instrument ID:	HP8R004		
Lims ID:	MB				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

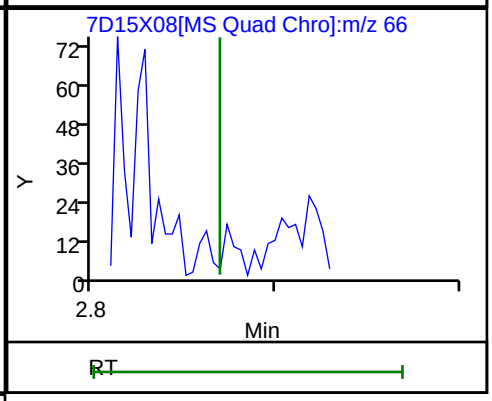
9 Chloroethane, CAS: 75-00-3

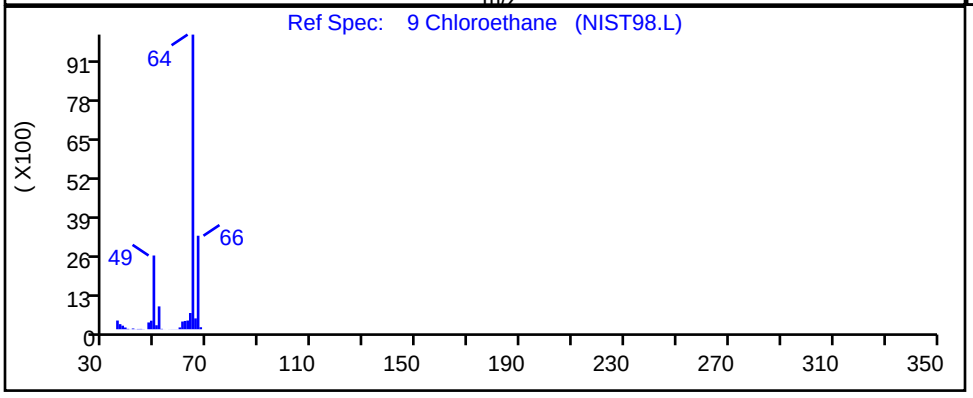
Processing Results











RT	Mass	Response	Amount
2.90	64.00	703	0.121627
2.87	66.00	0	

Reviewer: MLX9, 18-Dec-2023 08:53:06 -05:00:00 (UTC)

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-453905/5

Matrix: Air
Lab File ID: 7D14X05.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/14/2023 09:51

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	66.6		6.9	1.0
71-55-6	1,1,1-Trichloroethane	49.8		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	63.7		6.9	1.0
79-00-5	1,1,2-Trichloroethane	52.3		5.5	0.65
75-34-3	1,1-Dichloroethane	37.7		4.0	0.36
75-35-4	1,1-Dichloroethene	40.8		4.0	0.56
96-18-4	1,2,3-Trichloropropane	54.4		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	60.1		9.8	1.4
106-93-4	1,2-Dibromoethane	76.8		7.7	1.0
95-50-1	1,2-Dichlorobenzene	64.7		6.0	1.2
107-06-2	1,2-Dichloroethane	32.1		4.0	0.32
78-87-5	1,2-Dichloropropane	38.2		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	57.1		9.8	1.6
106-99-0	1,3-Butadiene	23.5		2.2	0.38
541-73-1	1,3-Dichlorobenzene	62.8		6.0	1.8
106-46-7	1,4-Dichlorobenzene	65.0		6.0	1.8
78-93-3	2-Butanone	30.2		2.9	0.62
591-78-6	2-Hexanone	38.8		8.2	2.0
107-05-1	3-Chloroprene	31.1		3.1	0.63
622-96-8	4-Ethyltoluene	56.6		4.9	0.88
108-10-1	4-Methyl-2-pentanone	35.6		4.1	0.61
67-64-1	Acetone	19.9		12	2.4
71-43-2	Benzene	28.5		3.2	0.35
108-86-1	Bromobenzene	64.2		6.4	1.3
75-27-4	Bromodichloromethane	54.6		6.7	2.7
75-25-2	Bromoform	98.7		10	4.1
74-83-9	Bromomethane	42.5		3.9	0.78
75-15-0	Carbon disulfide	32.1		3.1	1.2
56-23-5	Carbon tetrachloride	56.7		6.3	0.88
108-90-7	Chlorobenzene	44.5		4.6	0.60
75-45-6	Chlorodifluoromethane	33.7		3.5	1.4
75-00-3	Chloroethane	24.2		2.6	0.79
67-66-3	Chloroform	44.3		4.9	0.45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-453905/5

Matrix: Air
Lab File ID: 7D14X05.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/14/2023 09:51

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	17.6		2.1	0.83
156-59-2	cis-1,2-Dichloroethene	37.3		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	41.1		4.5	0.45
98-82-8	Cumene	57.3		4.9	1.2
124-48-1	Dibromochloromethane	80.2		8.5	3.4
74-95-3	Dibromomethane	65.5		7.1	1.0
75-71-8	Dichlorodifluoromethane	47.6		4.9	0.64
75-43-4	Dichlorofluoromethane	44.9		4.2	0.46
100-41-4	Ethylbenzene	45.4		4.3	0.83
76-13-1	Freon 113	67.9		7.7	1.5
76-14-2	Freon-114	65.4		7.0	0.84
142-82-5	Heptane	44.0		4.1	0.94
67-72-1	Hexachloroethane	98.0		19	2.6
110-54-3	Hexane	33.6		3.5	1.1
540-84-1	Isooctane	49.7		4.7	1.9
179601-23-1	m&p-Xylene	47.8		4.3	1.1
1634-04-4	Methyl t-butyl ether	38.6		3.6	0.54
75-09-2	Methylene Chloride	34.4		6.9	0.87
95-47-6	o-Xylene	47.8		4.3	0.83
111-65-9	Octane	47.0		9.3	1.9
109-66-0	Pentane	25.2		3.0	0.59
100-42-5	Styrene	51.2		4.3	0.85
127-18-4	Tetrachloroethene	67.5		14	1.7
108-88-3	Toluene	37.9		3.8	1.5
156-60-5	trans-1,2-Dichloroethene	39.7		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	44.0		4.5	0.54
79-01-6	Trichloroethene	50.9		5.4	0.97
75-69-4	Trichlorofluoromethane	50.3		5.6	0.84
75-01-4	Vinyl chloride	27.2		2.6	0.31

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X05.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 14-Dec-2023 09:51:05 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 410-0101896-005
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 14-Dec-2023 11:54:36 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: MLX9 Date: 14-Dec-2023 10:17:33

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	1.977	1.981	-0.004	97	61058	10.0	8.52	
2 Dichlorodifluoromethane	85	2.018	2.014	0.004	99	260565	10.0	9.64	
3 Chlorodifluoromethane	51	2.044	2.048	-0.004	97	145510	10.0	9.54	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.164	2.164	0.000	97	286890	10.0	9.35	
5 Chloromethane	50	2.247	2.251	-0.004	98	77615	10.0	8.52	
6 Vinyl chloride	62	2.374	2.382	-0.008	98	105341	10.0	10.6	
7 Butadiene	54	2.408	2.416	-0.008	88	68157	10.0	10.6	
8 Bromomethane	94	2.757	2.757	0.000	91	99914	10.0	11.0	
9 Chloroethane	64	2.869	2.877	-0.008	99	56544	10.0	9.18	
10 Vinyl bromide	106	3.064	3.064	0.000	99	101943	10.0	11.6	
13 Dichlorofluoromethane	67	3.109	3.113	-0.004	97	232673	10.0	10.7	
12 Trichlorofluoromethane	101	3.132	3.135	-0.003	99	265546	10.0	8.95	
11 Pentane	43	3.229	3.233	-0.004	95	132013	10.0	8.53	
14 Ethanol	45	3.304	3.308	-0.004	97	21418	10.0	9.53	
19 Acrolein	56	3.566	3.563	0.003	100	37943	10.0	10.8	
15 1,1-Dichloroethene	61	3.664	3.664	0.000	97	156780	10.0	10.3	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.675	3.679	-0.004	94	159034	10.0	8.86	
23 Acetone	43	3.701	3.705	-0.004	99	123902	10.0	8.39	
18 Iodomethane	142	3.810	3.814	-0.004	98	244786	10.0	11.1	
20 Isopropyl alcohol	45	3.829	3.829	0.000	97	67522	10.0	8.03	
17 Carbon disulfide	76	3.881	3.885	-0.004	98	299062	10.0	10.3	
28 Acetonitrile	41	3.983	3.986	-0.003	99	62832	10.0	9.63	
21 3-Chloro-1-propene	41	4.024	4.028	-0.004	88	114074	10.0	9.92	
22 Methylene Chloride	84	4.155	4.155	0.000	87	101805	10.0	9.90	
27 2-Methyl-2-propanol	59	4.230	4.230	0.000	98	81525	10.0	9.94	
31 Acrylonitrile	53	4.372	4.372	0.000	99	82018	10.0	9.67	
26 Methyl tert-butyl ether	73	4.399	4.406	-0.007	95	264352	10.0	10.7	
24 trans-1,2-Dichloroethene	61	4.406	4.414	-0.008	100	149560	10.0	10.0	
25 Hexane	56	4.669	4.672	-0.003	90	78205	10.0	9.54	
33 Vinyl acetate	86	4.815	4.818	-0.003	97	25590	10.0	11.5	
30 1,1-Dichloroethane	63	4.826	4.830	-0.004	96	191811	10.0	9.31	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 Isopropyl ether	45	4.848	4.848	0.000	90	303558	10.0	10.0	
32 Tert-butyl ethyl ether	59	5.186	5.190	-0.004	97	277962	10.0	11.0	
43 2-Butanone (MEK)	72	5.332	5.343	-0.011	98	50755	10.0	10.2	
34 cis-1,2-Dichloroethene	61	5.358	5.362	-0.004	81	169844	10.0	9.41	
38 Ethyl acetate	70	5.362	5.366	-0.004	92	25713	10.0	9.30	
39 Methyl acrylate	55	5.411	5.415	-0.004	100	166339	10.0	9.92	
* 35 Chlorobromomethane (IS)	130	5.583	5.587	-0.004	91	124519	10.0	10.0	
41 Tetrahydrofuran	42	5.591	5.594	-0.003	90	92491	10.0	9.28	
37 Chloroform	83	5.669	5.673	-0.004	92	232445	10.0	9.07	
42 1,1,1-Trichloroethane	97	5.838	5.838	0.000	98	223747	10.0	9.13	
36 Cyclohexane	56	5.906	5.906	0.000	88	158428	10.0	10.5	
40 Carbon tetrachloride	117	5.981	5.984	-0.003	96	226137	10.0	9.02	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.142	6.142	0.000	0	145423	10.0	8.57	
46 Benzene	78	6.168	6.172	-0.004	94	363678	10.0	8.91	
48 1,2-Dichloroethane	62	6.213	6.217	-0.004	97	139015	10.0	7.93	
44 Isooctane	57	6.277	6.280	-0.003	97	518092	10.0	10.6	
47 Tert-amyl methyl ether	73	6.277	6.284	-0.007	76	278531	10.0	10.5	
45 n-Heptane	71	6.427	6.430	-0.003	87	126238	10.0	10.7	
* 50 1,4-Difluorobenzene	114	6.558	6.562	-0.004	94	522601	10.0	10.0	
49 Trichloroethene	130	6.794	6.798	-0.004	99	169115	10.0	9.46	
52 Ethyl acrylate	55	6.850	6.858	-0.008	99	192533	10.0	8.88	
53 1,2-Dichloropropane	63	7.053	7.056	-0.003	97	133011	10.0	8.27	
55 Methyl methacrylate	69	7.079	7.083	-0.004	88	107094	10.0	9.29	
56 1,4-Dioxane	88	7.105	7.116	-0.011	98	57450	10.0	10.4	
51 Dibromomethane	174	7.135	7.146	-0.011	95	131431	10.0	9.21	
54 Dichlorobromomethane	83	7.304	7.308	-0.004	99	230537	10.0	8.15	
57 cis-1,3-Dichloropropene	75	7.742	7.750	-0.008	98	181617	10.0	9.06	
60 4-Methyl-2-pentanone (MIBK)	43	7.881	7.889	-0.008	96	197494	10.0	8.70	
$ 103 Toluene-d8 (Surr)	98	8.020	8.027	-0.007	93	587761	10.0	10.2	
59 Toluene	91	8.091	8.099	-0.008	99	459413	10.0	10.1	
58 n-Octane	43	8.207	8.215	-0.008	87	236452	10.0	10.1	
62 trans-1,3-Dichloropropene	75	8.327	8.335	-0.008	89	156966	10.0	9.69	
63 Ethyl methacrylate	69	8.365	8.376	-0.011	87	176419	10.0	10.5	
64 1,1,2-Trichloroethane	97	8.541	8.545	-0.004	88	158291	10.0	9.58	
61 Tetrachloroethene	166	8.638	8.646	-0.008	95	219882	10.0	9.95	
67 2-Hexanone	43	8.762	8.766	-0.004	98	179273	10.0	9.47	
65 Chlorodibromomethane	127	8.953	8.961	-0.008	91	180954	10.0	9.41	
66 Ethylene Dibromide	107	9.092	9.096	-0.004	98	222045	10.0	10.0	
* 68 Chlorobenzene-d5 (IS)	117	9.594	9.606	-0.012	84	496151	10.0	10.0	
69 Chlorobenzene	112	9.632	9.636	-0.004	96	352027	10.0	9.66	
71 1,1,1,2-Tetrachloroethane	131	9.729	9.733	-0.004	97	175494	10.0	9.71	
70 Ethylbenzene	91	9.733	9.741	-0.008	98	537797	10.0	10.4	
72 m-Xylene & p-Xylene	91	9.883	9.887	-0.004	98	417033	10.0	11.0	
73 o-Xylene	91	10.325	10.329	-0.004	96	398285	10.0	11.0	
74 Styrene	104	10.348	10.352	-0.004	95	295863	10.0	12.0	
75 Bromoform	173	10.558	10.565	-0.007	96	188402	10.0	9.55	
76 Isopropylbenzene	105	10.749	10.753	-0.004	96	560959	10.0	11.7	
79 1,1,2,2-Tetrachloroethane	83	11.116	11.120	-0.004	94	304562	10.0	9.28	
78 Bromobenzene	156	11.128	11.135	-0.007	94	180274	10.0	10.0	
83 1,2,3-Trichloropropane	110	11.184	11.188	-0.004	84	84429	10.0	9.03	
77 N-Propylbenzene	120	11.240	11.244	-0.004	99	160361	10.0	11.0	
81 2-Chlorotoluene	126	11.345	11.349	-0.004	97	147387	10.0	10.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
80 4-Ethyltoluene	105	11.379	11.382	-0.003	98	578957	10.0	11.5	
82 1,3,5-Trimethylbenzene	105	11.446	11.450	-0.004	94	490027	10.0	11.6	
84 Alpha Methyl Styrene	118	11.682	11.686	-0.004	91	192347	10.0	11.6	
85 tert-Butylbenzene	119	11.791	11.791	0.000	93	459321	10.0	12.0	
86 1,2,4-Trimethylbenzene	105	11.855	11.859	-0.004	97	473124	10.0	12.2	
87 sec-Butylbenzene	105	12.023	12.027	-0.004	94	691362	10.0	11.9	
89 1,3-Dichlorobenzene	146	12.147	12.151	-0.004	97	317117	10.0	10.4	
88 4-Isopropyltoluene	119	12.181	12.185	-0.004	97	561271	10.0	12.5	
90 1,4-Dichlorobenzene	146	12.252	12.252	0.000	95	322806	10.0	10.8	
92 Benzyl chloride	126	12.365	12.368	-0.003	98	64058	10.0	10.9	
91 n-Butylbenzene	92	12.582	12.586	-0.004	97	265709	10.0	12.0	
94 1,2-Dichlorobenzene	146	12.605	12.605	0.000	97	307032	10.0	10.8	
93 Hexachloroethane	117	12.856	12.859	-0.003	90	142691	10.0	10.1	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.321	0.000	94	124166	10.0	10.3	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	94	190650	10.0	9.93	
96 Hexachlorobutadiene	225	14.112	14.115	-0.003	96	155379	10.0	10.5	
98 Naphthalene	128	14.216	14.220	-0.004	97	452413	10.0	12.0	
S 100 1,2-Dichloroethene, Total	61				0	319404	20.0	19.4	
S 109 1,3-Dichloropropene, Total	75				0		20.0	18.7	
S 101 Xylenes, Total	91				0	815318	20.0	22.0	
$ 110 BFB									

QC Flag Legend

Processing Flags

Reagents:

AIRLCS10.0_00356	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00260	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 14-Dec-2023 11:54:53 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X05.D

Injection Date: 14-Dec-2023 09:51:05 Instrument ID: HP8R004

Lims ID: LCS

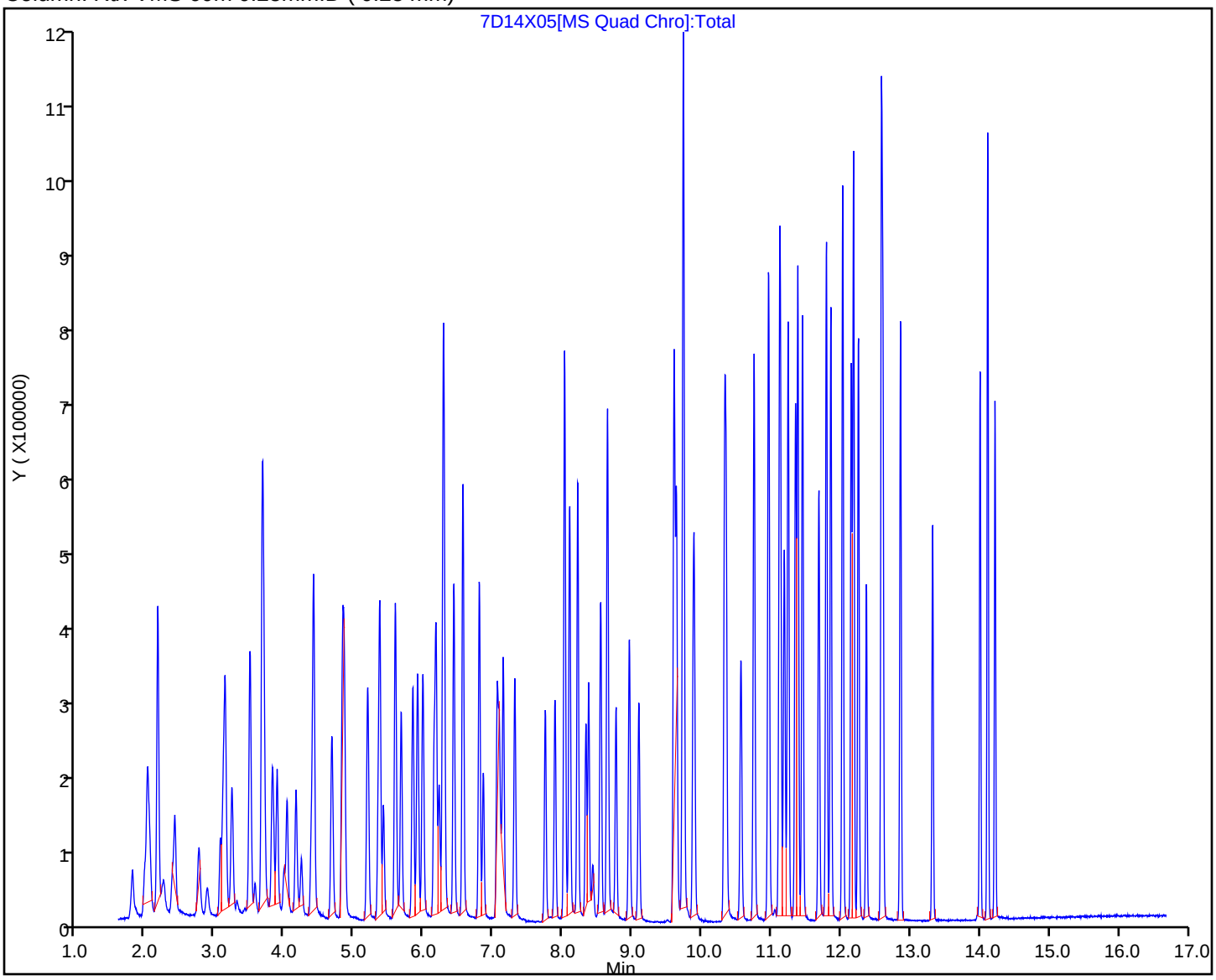
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 5

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X05.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 14-Dec-2023 09:51:05 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 410-0101896-005
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 14-Dec-2023 11:54:36 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: MLX9 Date: 14-Dec-2023 10:17:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 104 1,2-Dichloroethane-d4 (Surr)	10.0	8.57	85.68
$ 103 Toluene-d8 (Surr)	10.0	10.2	102.06

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-454438/5

Matrix: Air
Lab File ID: 7D15X05.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/15/2023 09:16

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 454438
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	68.0		6.9	1.0
71-55-6	1,1,1-Trichloroethane	48.6		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	64.4		6.9	1.0
79-00-5	1,1,2-Trichloroethane	53.0		5.5	0.65
75-34-3	1,1-Dichloroethane	36.7		4.0	0.36
75-35-4	1,1-Dichloroethene	41.1		4.0	0.56
96-18-4	1,2,3-Trichloropropane	56.6		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	62.1		9.8	1.4
106-93-4	1,2-Dibromoethane	78.4		7.7	1.0
95-50-1	1,2-Dichlorobenzene	67.0		6.0	1.2
107-06-2	1,2-Dichloroethane	32.4		4.0	0.32
78-87-5	1,2-Dichloropropane	38.0		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	58.9		9.8	1.6
106-99-0	1,3-Butadiene	23.3		2.2	0.38
541-73-1	1,3-Dichlorobenzene	65.0		6.0	1.8
106-46-7	1,4-Dichlorobenzene	67.4		6.0	1.8
78-93-3	2-Butanone	30.1		2.9	0.62
591-78-6	2-Hexanone	38.5		8.2	2.0
107-05-1	3-Chloroprene	32.3		3.1	0.63
622-96-8	4-Ethyltoluene	58.4		4.9	0.88
108-10-1	4-Methyl-2-pentanone	34.3		4.1	0.61
67-64-1	Acetone	19.8		12	2.4
71-43-2	Benzene	29.0		3.2	0.35
108-86-1	Bromobenzene	65.1		6.4	1.3
75-27-4	Bromodichloromethane	53.7		6.7	2.7
75-25-2	Bromoform	101		10	4.1
74-83-9	Bromomethane	42.2		3.9	0.78
75-15-0	Carbon disulfide	32.0		3.1	1.2
56-23-5	Carbon tetrachloride	56.4		6.3	0.88
108-90-7	Chlorobenzene	44.9		4.6	0.60
75-45-6	Chlorodifluoromethane	34.0		3.5	1.4
75-00-3	Chloroethane	25.0		2.6	0.79
67-66-3	Chloroform	44.1		4.9	0.45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCS 410-454438/5

Matrix: Air
Lab File ID: 7D15X05.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/15/2023 09:16

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 454438
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	18.1		2.1	0.83
156-59-2	cis-1,2-Dichloroethene	37.8		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	41.1		4.5	0.45
98-82-8	Cumene	58.0		4.9	1.2
124-48-1	Dibromochloromethane	82.5		8.5	3.4
74-95-3	Dibromomethane	67.3		7.1	1.0
75-71-8	Dichlorodifluoromethane	48.7		4.9	0.64
75-43-4	Dichlorofluoromethane	44.7		4.2	0.46
100-41-4	Ethylbenzene	46.4		4.3	0.83
76-13-1	Freon 113	66.6		7.7	1.5
76-14-2	Freon-114	67.1		7.0	0.84
142-82-5	Heptane	43.2		4.1	0.94
67-72-1	Hexachloroethane	99.6		19	2.6
110-54-3	Hexane	33.2		3.5	1.1
540-84-1	Isooctane	50.7		4.7	1.9
179601-23-1	m&p-Xylene	48.8		4.3	1.1
1634-04-4	Methyl t-butyl ether	38.3		3.6	0.54
75-09-2	Methylene Chloride	34.6		6.9	0.87
95-47-6	o-Xylene	48.3		4.3	0.83
111-65-9	Octane	47.7		9.3	1.9
109-66-0	Pentane	25.4		3.0	0.59
100-42-5	Styrene	52.2		4.3	0.85
127-18-4	Tetrachloroethene	71.2		14	1.7
108-88-3	Toluene	38.8		3.8	1.5
156-60-5	trans-1,2-Dichloroethene	38.9		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	45.7		4.5	0.54
79-01-6	Trichloroethene	49.6		5.4	0.97
75-69-4	Trichlorofluoromethane	49.7		5.6	0.84
75-01-4	Vinyl chloride	27.7		2.6	0.31

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X05.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 15-Dec-2023 09:16:30 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 410-0102007-005
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 18-Dec-2023 08:58:40 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: MLX9 Date: 18-Dec-2023 08:51:03

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	1.977	1.973	0.004	95	59931	10.0	8.80	
2 Dichlorodifluoromethane	85	2.018	2.014	0.004	99	252771	10.0	9.84	
3 Chlorodifluoromethane	51	2.048	2.044	0.004	97	139275	10.0	9.61	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.165	2.164	0.000	97	279889	10.0	9.60	
5 Chloromethane	50	2.251	2.247	0.004	100	75739	10.0	8.76	
6 Vinyl chloride	62	2.378	2.378	0.000	97	101996	10.0	10.8	
7 Butadiene	54	2.408	2.408	0.000	88	64132	10.0	10.5	
8 Bromomethane	94	2.761	2.757	0.004	91	94124	10.0	10.9	
9 Chloroethane	64	2.877	2.869	0.008	99	55477	10.0	9.48	
10 Vinyl bromide	106	3.068	3.060	0.008	99	97607	10.0	11.7	
13 Dichlorofluoromethane	67	3.113	3.105	0.008	97	219714	10.0	10.6	
12 Trichlorofluoromethane	101	3.135	3.131	0.004	99	249329	10.0	8.84	
11 Pentane	43	3.233	3.225	0.008	96	126450	10.0	8.60	M
14 Ethanol	45	3.308	3.304	0.004	99	20603	10.0	9.65	
19 Acrolein	56	3.567	3.563	0.004	100	35427	10.0	10.6	
15 1,1-Dichloroethene	61	3.668	3.664	0.004	96	149786	10.0	10.4	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.679	3.675	0.004	94	148137	10.0	8.69	
23 Acetone	43	3.705	3.698	0.007	100	117137	10.0	8.35	
18 Iodomethane	142	3.818	3.806	0.012	97	228525	10.0	10.9	
20 Isopropyl alcohol	45	3.829	3.825	0.004	96	69797	10.0	8.74	
17 Carbon disulfide	76	3.885	3.881	0.004	98	283326	10.0	10.3	
28 Acetonitrile	41	3.986	3.979	0.007	97	54439	10.0	8.78	
21 3-Chloro-1-propene	41	4.028	4.020	0.008	90	112604	10.0	10.3	M
22 Methylene Chloride	84	4.155	4.147	0.008	86	97411	10.0	9.97	
27 2-Methyl-2-propanol	59	4.238	4.230	0.008	96	82220	10.0	10.6	
31 Acrylonitrile	53	4.376	4.369	0.007	99	76932	10.0	9.55	
26 Methyl tert-butyl ether	73	4.402	4.399	0.003	95	248809	10.0	10.6	
24 trans-1,2-Dichloroethene	61	4.414	4.406	0.008	99	139488	10.0	9.82	
25 Hexane	56	4.672	4.668	0.004	91	73326	10.0	9.42	
33 Vinyl acetate	86	4.819	4.807	0.012	97	23681	10.0	11.2	
30 1,1-Dichloroethane	63	4.834	4.826	0.008	96	177709	10.0	9.08	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 Isopropyl ether	45	4.852	4.845	0.007	93	285040	10.0	9.93	
32 Tert-butyl ethyl ether	59	5.190	5.182	0.008	96	260108	10.0	10.8	
43 2-Butanone (MEK)	72	5.340	5.332	0.008	98	48031	10.0	10.2	
34 cis-1,2-Dichloroethene	61	5.366	5.358	0.008	81	163394	10.0	9.53	
38 Ethyl acetate	70	5.370	5.362	0.008	92	25113	10.0	9.57	
39 Methyl acrylate	55	5.418	5.411	0.007	100	155803	10.0	9.78	
* 35 Chlorobromomethane (IS)	130	5.587	5.576	0.011	90	118274	10.0	10.0	
41 Tetrahydrofuran	42	5.595	5.587	0.008	88	90315	10.0	9.54	
37 Chloroform	83	5.673	5.666	0.007	92	219754	10.0	9.02	
42 1,1,1-Trichloroethane	97	5.838	5.834	0.004	98	207212	10.0	8.90	
36 Cyclohexane	56	5.909	5.902	0.007	88	152696	10.0	10.6	
40 Carbon tetrachloride	117	5.984	5.977	0.007	97	213464	10.0	8.96	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.146	6.142	0.004	0	135346	10.0	8.40	
46 Benzene	78	6.172	6.164	0.008	95	347261	10.0	9.07	
48 1,2-Dichloroethane	62	6.217	6.209	0.008	97	131535	10.0	7.99	
44 Isooctane	57	6.281	6.277	0.004	95	496023	10.0	10.9	
47 Tert-amyl methyl ether	73	6.284	6.277	0.007	92	271510	10.0	11.0	
45 n-Heptane	71	6.431	6.423	0.008	90	116097	10.0	10.5	
* 50 1,4-Difluorobenzene	114	6.562	6.554	0.008	94	490277	10.0	10.0	
49 Trichloroethene	130	6.798	6.790	0.008	99	154872	10.0	9.24	
52 Ethyl acrylate	55	6.854	6.850	0.004	99	180596	10.0	8.88	
53 1,2-Dichloropropane	63	7.057	7.049	0.008	95	124261	10.0	8.23	
55 Methyl methacrylate	69	7.083	7.079	0.004	89	99554	10.0	9.21	
56 1,4-Dioxane	88	7.113	7.105	0.008	89	57594	10.0	11.1	
51 Dibromomethane	174	7.143	7.139	0.004	94	126642	10.0	9.46	
54 Dichlorobromomethane	83	7.308	7.304	0.004	99	212646	10.0	8.01	
57 cis-1,3-Dichloropropene	75	7.746	7.739	0.007	95	170093	10.0	9.05	
60 4-Methyl-2-pentanone (MIBK)	43	7.885	7.881	0.004	96	178035	10.0	8.36	
$ 103 Toluene-d8 (Surr)	98	8.024	8.020	0.004	93	541414	10.0	10.2	
59 Toluene	91	8.099	8.091	0.008	99	432077	10.0	10.3	
58 n-Octane	43	8.211	8.207	0.004	84	220240	10.0	10.2	
62 trans-1,3-Dichloropropene	75	8.331	8.327	0.004	91	149946	10.0	10.1	
63 Ethyl methacrylate	69	8.372	8.365	0.007	86	160436	10.0	10.4	
64 1,1,2-Trichloroethane	97	8.545	8.541	0.004	89	147379	10.0	9.71	
61 Tetrachloroethene	166	8.642	8.638	0.004	94	213084	10.0	10.5	
67 2-Hexanone	43	8.766	8.758	0.008	96	163558	10.0	9.40	
65 Chlorodibromomethane	127	8.957	8.949	0.008	93	170995	10.0	9.68	
66 Ethylene Dibromide	107	9.092	9.088	0.004	98	208399	10.0	10.2	
* 68 Chlorobenzene-d5 (IS)	117	9.602	9.594	0.008	86	455941	10.0	10.0	
69 Chlorobenzene	112	9.636	9.632	0.004	96	326778	10.0	9.76	
71 1,1,1,2-Tetrachloroethane	131	9.729	9.725	0.004	96	164473	10.0	9.90	
70 Ethylbenzene	91	9.737	9.733	0.004	98	505459	10.0	10.7	
72 m-Xylene & p-Xylene	91	9.883	9.879	0.004	99	390976	10.0	11.2	
73 o-Xylene	91	10.329	10.321	0.008	95	370419	10.0	11.1	
74 Styrene	104	10.348	10.344	0.004	94	277254	10.0	12.3	
75 Bromoform	173	10.562	10.554	0.008	96	177062	10.0	9.77	
76 Isopropylbenzene	105	10.753	10.745	0.008	96	521618	10.0	11.8	
79 1,1,2,2-Tetrachloroethane	83	11.116	11.112	0.004	95	283019	10.0	9.38	
78 Bromobenzene	156	11.131	11.124	0.007	93	168084	10.0	10.1	
83 1,2,3-Trichloropropane	110	11.188	11.180	0.008	84	80616	10.0	9.38	
77 N-Propylbenzene	120	11.244	11.236	0.008	99	149985	10.0	11.2	
81 2-Chlorotoluene	126	11.349	11.341	0.008	98	138820	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
80 4-Ethyltoluene	105	11.383	11.375	0.008	98	548882	10.0	11.9	
82 1,3,5-Trimethylbenzene	105	11.450	11.442	0.008	95	464242	10.0	12.0	
84 Alpha Methyl Styrene	118	11.686	11.679	0.007	91	176878	10.0	11.6	
85 tert-Butylbenzene	119	11.795	11.787	0.008	93	436485	10.0	12.4	
86 1,2,4-Trimethylbenzene	105	11.855	11.851	0.004	97	448902	10.0	12.6	
87 sec-Butylbenzene	105	12.027	12.020	0.007	94	649288	10.0	12.2	
89 1,3-Dichlorobenzene	146	12.151	12.143	0.008	97	301824	10.0	10.8	
88 4-Isopropyltoluene	119	12.185	12.177	0.008	97	529674	10.0	12.9	
90 1,4-Dichlorobenzene	146	12.252	12.245	0.007	95	307650	10.0	11.2	
92 Benzyl chloride	126	12.368	12.365	0.003	98	61088	10.0	11.3	
91 n-Butylbenzene	92	12.586	12.578	0.008	97	247311	10.0	12.2	
94 1,2-Dichlorobenzene	146	12.605	12.597	0.008	98	291919	10.0	11.1	
93 Hexachloroethane	117	12.860	12.852	0.008	89	133374	10.0	10.3	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.313	0.008	87	120739	10.0	10.9	
97 1,2,4-Trichlorobenzene	180	14.007	13.999	0.008	95	182493	10.0	10.3	
96 Hexachlorobutadiene	225	14.115	14.108	0.007	96	152571	10.0	11.3	
98 Naphthalene	128	14.220	14.213	0.007	97	430799	10.0	12.4	
S 100 1,2-Dichloroethene, Total	61				0	302882	20.0	19.3	
S 109 1,3-Dichloropropene, Total	75				0		20.0	19.1	
S 101 Xylenes, Total	91				0	761395	20.0	22.4	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRLCS10.0_00356	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00260	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 18-Dec-2023 08:58:57 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X05.D

Injection Date: 15-Dec-2023 09:16:30 Instrument ID: HP8R004

Lims ID: LCS

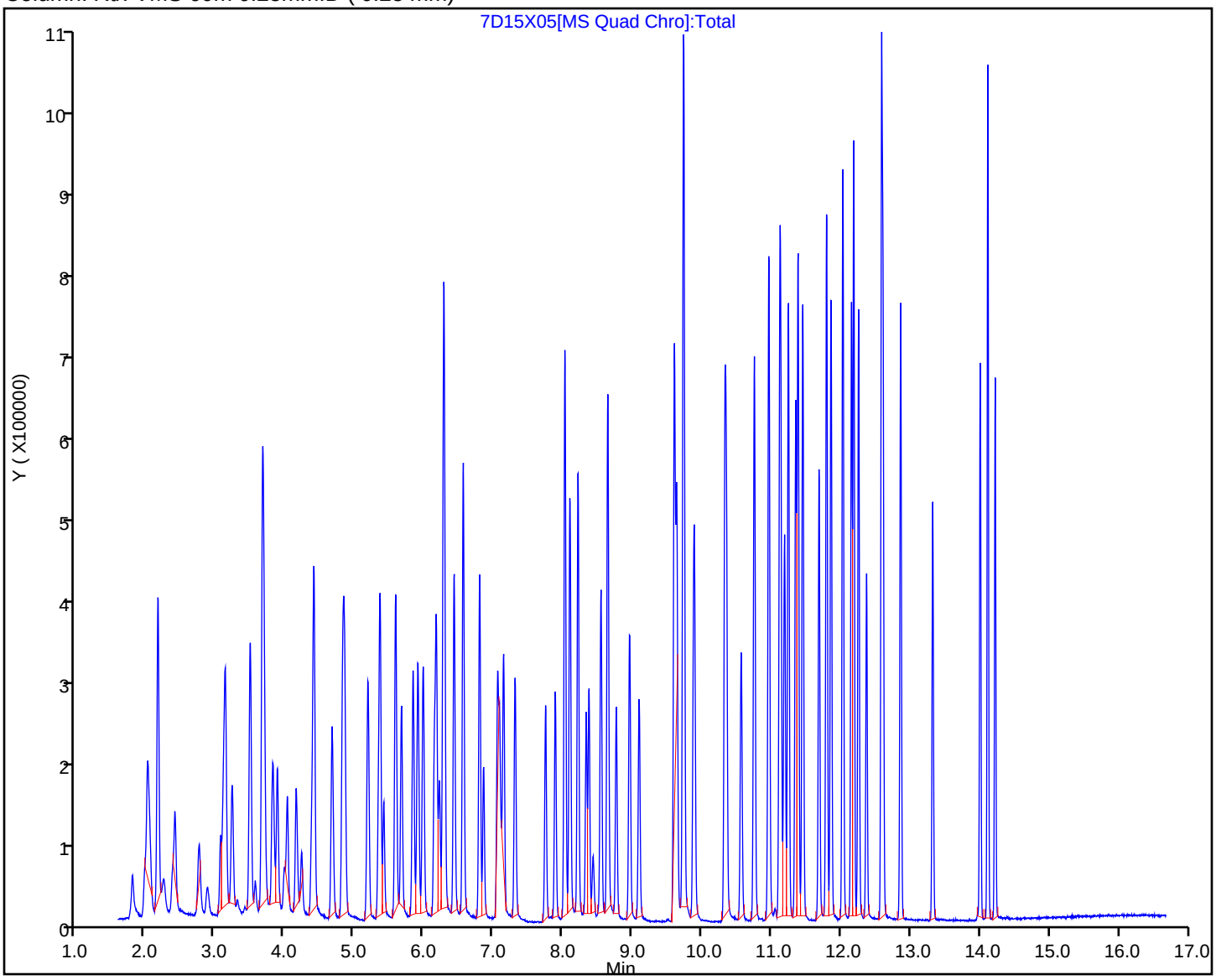
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 5

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X05.D				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	15-Dec-2023 09:16:30	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	LCS				
Misc. Info.:	410-0102007-005				
Operator ID:	bcb85445	Instrument ID:	HP8R004		
Method:	\\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m				
Limit Group:	MSV - TO15				
Last Update:	18-Dec-2023 08:58:40	Calib Date:	19-Oct-2023 17:54:23		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D				
Column 1 :	Rtx-VMS 60m 0.25mmID (0.25 mm)		Det: MS Quad		
Process Host:	CTX1615				

First Level Reviewer: MLX9 Date: 18-Dec-2023 08:51:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 104 1,2-Dichloroethane-d4 (Surr)	10.0	8.40	83.95
$ 103 Toluene-d8 (Surr)	10.0	10.2	102.30

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

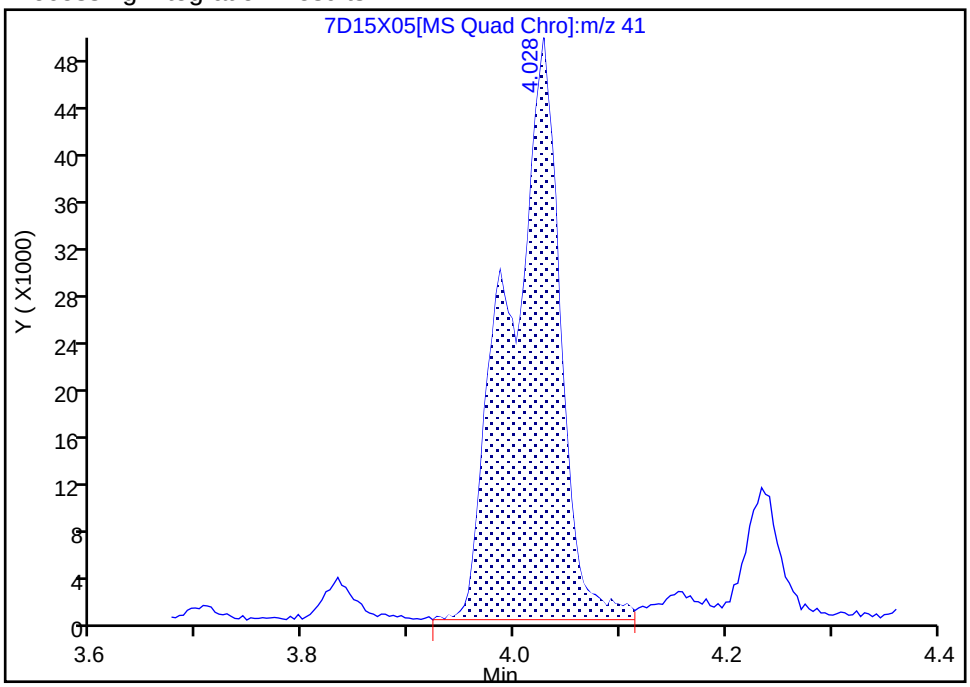
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Injection Date:	15-Dec-2023 09:16:30	Instrument ID:	HP8R004		
Lims ID:	LCS				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

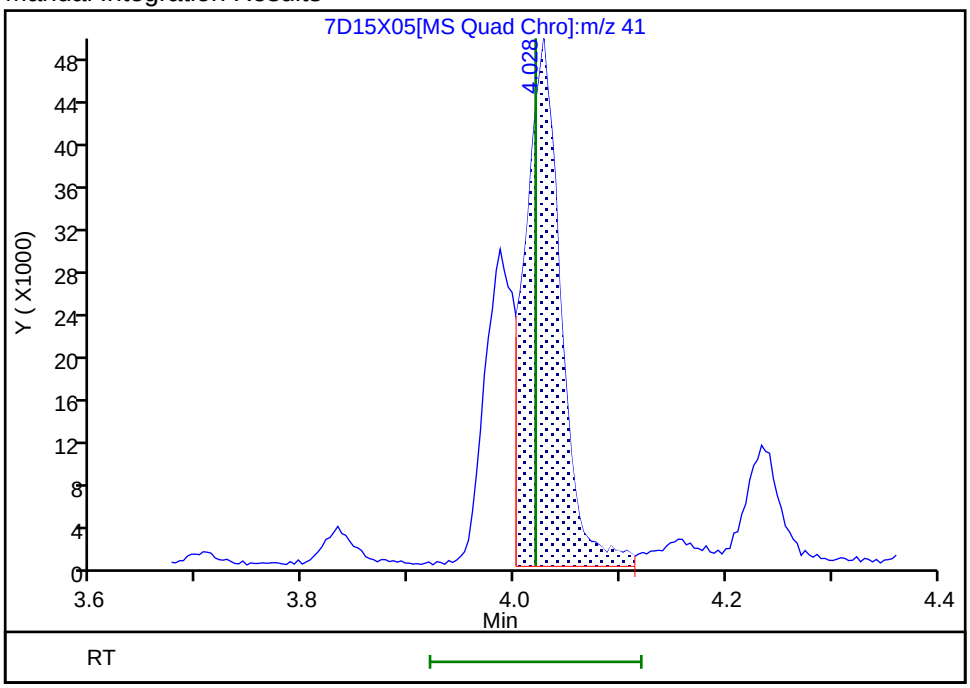
Processing Integration Results

RT: 4.03
Area: 167043
Amount: 15.293841
Amount Units: ppb v/v



Manual Integration Results

RT: 4.03
Area: 112604
Amount: 10.309607
Amount Units: ppb v/v



Reviewer: MLX9, 18-Dec-2023 08:50:43 -05:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

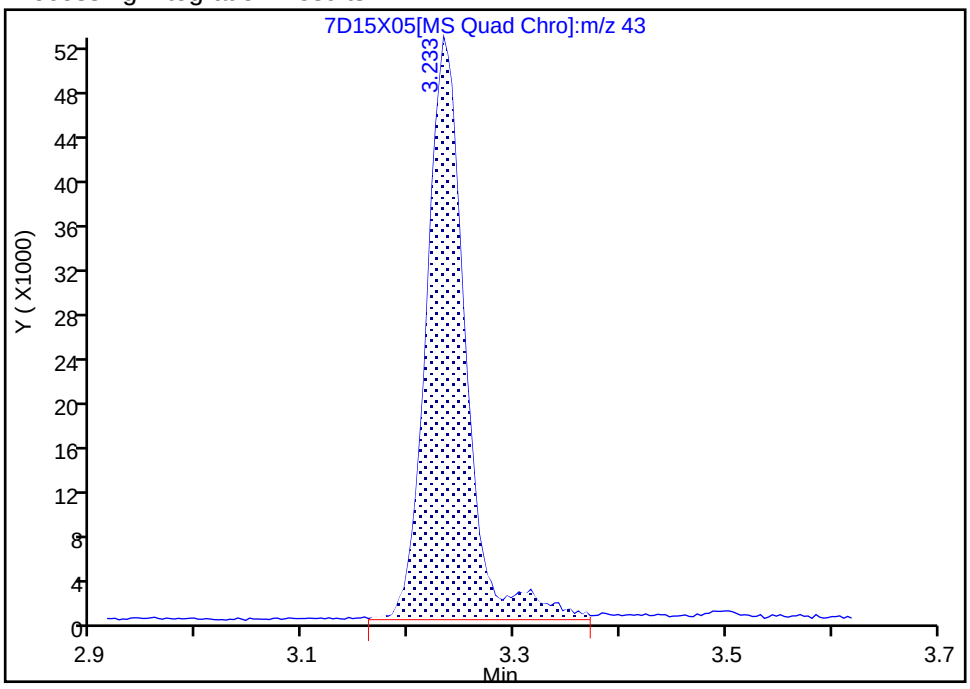
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X05.D				
Injection Date:	15-Dec-2023 09:16:30	Instrument ID:	HP8R004		
Lims ID:	LCS				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	5
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

11 Pentane, CAS: 109-66-0

Signal: 1

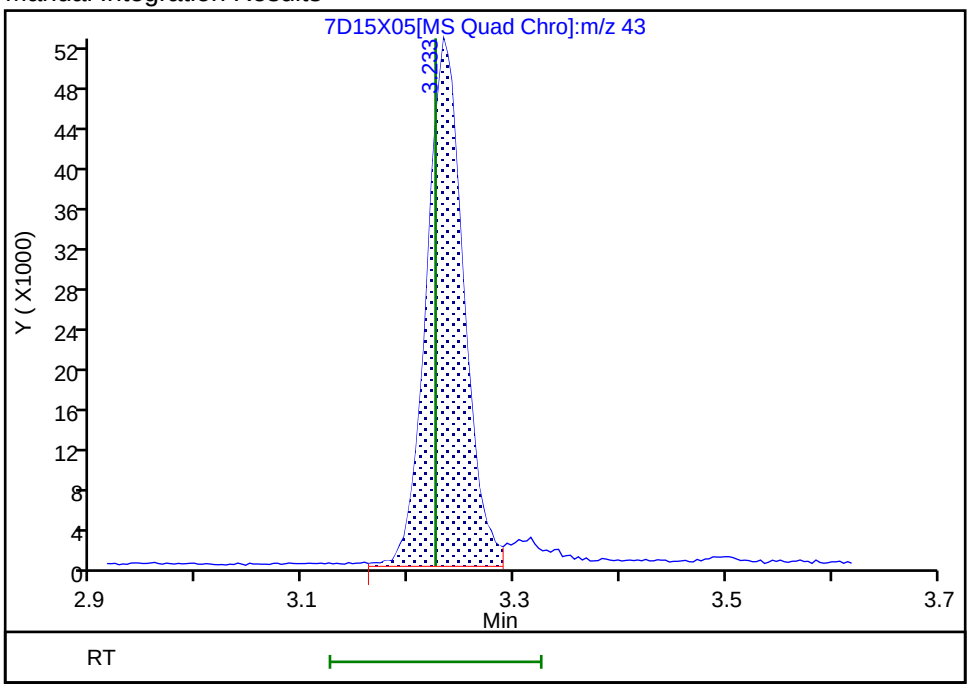
Processing Integration Results

RT: 3.23
Area: 134139
Amount: 9.120071
Amount Units: ppb v/v



Manual Integration Results

RT: 3.23
Area: 126450
Amount: 8.597298
Amount Units: ppb v/v



Reviewer: MLX9, 18-Dec-2023 08:50:30 -05:00:00 (UTC)

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 Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-453905/6

Matrix: Air
Lab File ID: 7D14X06.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/14/2023 10:13

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	65.2		6.9	1.0
71-55-6	1,1,1-Trichloroethane	49.1		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	61.9		6.9	1.0
79-00-5	1,1,2-Trichloroethane	50.2		5.5	0.65
75-34-3	1,1-Dichloroethane	37.5		4.0	0.36
75-35-4	1,1-Dichloroethene	41.6		4.0	0.56
96-18-4	1,2,3-Trichloropropane	53.2		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	59.2		9.8	1.4
106-93-4	1,2-Dibromoethane	75.5		7.7	1.0
95-50-1	1,2-Dichlorobenzene	63.2		6.0	1.2
107-06-2	1,2-Dichloroethane	32.0		4.0	0.32
78-87-5	1,2-Dichloropropane	38.1		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	56.3		9.8	1.6
106-99-0	1,3-Butadiene	23.8		2.2	0.38
541-73-1	1,3-Dichlorobenzene	62.4		6.0	1.8
106-46-7	1,4-Dichlorobenzene	63.5		6.0	1.8
78-93-3	2-Butanone	30.4		2.9	0.62
591-78-6	2-Hexanone	39.0		8.2	2.0
107-05-1	3-Chloroprene	35.1		3.1	0.63
622-96-8	4-Ethyltoluene	55.3		4.9	0.88
108-10-1	4-Methyl-2-pentanone	35.7		4.1	0.61
67-64-1	Acetone	20.2		12	2.4
71-43-2	Benzene	28.9		3.2	0.35
108-86-1	Bromobenzene	62.1		6.4	1.3
75-27-4	Bromodichloromethane	54.1		6.7	2.7
75-25-2	Bromoform	96.6		10	4.1
74-83-9	Bromomethane	42.5		3.9	0.78
75-15-0	Carbon disulfide	32.3		3.1	1.2
56-23-5	Carbon tetrachloride	57.3		6.3	0.88
108-90-7	Chlorobenzene	43.9		4.6	0.60
75-45-6	Chlorodifluoromethane	33.9		3.5	1.4
75-00-3	Chloroethane	24.7		2.6	0.79
67-66-3	Chloroform	44.8		4.9	0.45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-453905/6

Matrix: Air
Lab File ID: 7D14X06.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/14/2023 10:13

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 453905
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	17.9		2.1	0.83
156-59-2	cis-1,2-Dichloroethene	38.1		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	42.0		4.5	0.45
98-82-8	Cumene	56.4		4.9	1.2
124-48-1	Dibromochloromethane	78.9		8.5	3.4
74-95-3	Dibromomethane	65.5		7.1	1.0
75-71-8	Dichlorodifluoromethane	47.9		4.9	0.64
75-43-4	Dichlorofluoromethane	45.4		4.2	0.46
100-41-4	Ethylbenzene	45.2		4.3	0.83
76-13-1	Freon 113	68.5		7.7	1.5
76-14-2	Freon-114	66.2		7.0	0.84
142-82-5	Heptane	43.8		4.1	0.94
67-72-1	Hexachloroethane	97.0		19	2.6
110-54-3	Hexane	34.0		3.5	1.1
540-84-1	Isooctane	50.1		4.7	1.9
179601-23-1	m&p-Xylene	47.0		4.3	1.1
1634-04-4	Methyl t-butyl ether	38.8		3.6	0.54
75-09-2	Methylene Chloride	34.9		6.9	0.87
95-47-6	o-Xylene	47.0		4.3	0.83
111-65-9	Octane	47.3		9.3	1.9
109-66-0	Pentane	26.1		3.0	0.59
100-42-5	Styrene	50.1		4.3	0.85
127-18-4	Tetrachloroethene	66.8		14	1.7
108-88-3	Toluene	37.4		3.8	1.5
156-60-5	trans-1,2-Dichloroethene	39.4		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	44.3		4.5	0.54
79-01-6	Trichloroethene	50.5		5.4	0.97
75-69-4	Trichlorofluoromethane	50.1		5.6	0.84
75-01-4	Vinyl chloride	27.3		2.6	0.31

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X06.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 14-Dec-2023 10:13:13 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 410-0101896-006
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 14-Dec-2023 11:54:36 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1632

First Level Reviewer: MLX9 Date: 14-Dec-2023 11:28:13

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	1.981	1.981	0.000	98	61555	10.0	8.73	
2 Dichlorodifluoromethane	85	2.018	2.014	0.004	99	257359	10.0	9.68	
3 Chlorodifluoromethane	51	2.048	2.048	0.000	97	143743	10.0	9.59	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.164	2.164	0.000	98	285486	10.0	9.46	
5 Chloromethane	50	2.247	2.251	-0.004	99	77803	10.0	8.69	
6 Vinyl chloride	62	2.382	2.382	0.000	97	104227	10.0	10.7	
7 Butadiene	54	2.412	2.416	-0.004	89	67765	10.0	10.7	
8 Bromomethane	94	2.757	2.757	0.000	91	98216	10.0	11.0	
9 Chloroethane	64	2.873	2.877	-0.004	99	56615	10.0	9.35	
10 Vinyl bromide	106	3.064	3.064	0.000	99	102874	10.0	11.9	
13 Dichlorofluoromethane	67	3.109	3.113	-0.004	97	231179	10.0	10.8	
12 Trichlorofluoromethane	101	3.132	3.135	-0.003	99	260318	10.0	8.92	
11 Pentane	43	3.233	3.233	0.000	96	134888	10.0	8.86	M
14 Ethanol	45	3.308	3.308	0.000	97	20703	10.0	9.37	
19 Acrolein	56	3.566	3.563	0.003	98	38017	10.0	11.0	
15 1,1-Dichloroethene	61	3.668	3.664	0.004	96	156943	10.0	10.5	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.679	3.679	0.000	94	157805	10.0	8.94	
23 Acetone	43	3.701	3.705	-0.004	98	123442	10.0	8.51	
18 Iodomethane	142	3.814	3.814	0.000	98	244542	10.0	11.3	
20 Isopropyl alcohol	45	3.833	3.829	0.004	97	68103	10.0	8.24	
17 Carbon disulfide	76	3.885	3.885	0.000	98	295548	10.0	10.4	
28 Acetonitrile	41	3.983	3.986	-0.003	99	53908	10.0	8.40	
21 3-Chloro-1-propene	41	4.024	4.028	-0.004	93	126914	10.0	11.2	
22 Methylene Chloride	84	4.155	4.155	0.000	88	101527	10.0	10.0	
27 2-Methyl-2-propanol	59	4.230	4.230	0.000	97	85130	10.0	10.6	
31 Acrylonitrile	53	4.372	4.372	0.000	100	84041	10.0	10.1	
26 Methyl tert-butyl ether	73	4.402	4.406	-0.004	95	260950	10.0	10.8	
24 trans-1,2-Dichloroethene	61	4.414	4.414	0.000	99	145905	10.0	9.93	
25 Hexane	56	4.672	4.672	0.000	90	77692	10.0	9.64	
33 Vinyl acetate	86	4.815	4.818	-0.003	97	24857	10.0	11.3	
30 1,1-Dichloroethane	63	4.830	4.830	0.000	96	187776	10.0	9.27	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 Isopropyl ether	45	4.852	4.848	0.004	93	298788	10.0	10.1	
32 Tert-butyl ethyl ether	59	5.190	5.190	0.000	97	277460	10.0	11.1	
43 2-Butanone (MEK)	72	5.340	5.343	-0.003	99	50118	10.0	10.3	
34 cis-1,2-Dichloroethene	61	5.362	5.362	0.000	80	170617	10.0	9.61	
38 Ethyl acetate	70	5.366	5.366	0.000	94	26378	10.0	9.71	
39 Methyl acrylate	55	5.418	5.415	0.003	99	168755	10.0	10.2	
* 35 Chlorobromomethane (IS)	130	5.583	5.587	-0.004	92	122415	10.0	10.0	
41 Tetrahydrofuran	42	5.591	5.594	-0.003	90	95125	10.0	9.71	
37 Chloroform	83	5.670	5.673	-0.003	92	231304	10.0	9.18	
42 1,1,1-Trichloroethane	97	5.838	5.838	0.000	98	216887	10.0	9.00	
36 Cyclohexane	56	5.902	5.906	-0.004	89	157378	10.0	10.6	
40 Carbon tetrachloride	117	5.981	5.984	-0.003	97	224389	10.0	9.10	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.142	6.142	0.000	0	144691	10.0	8.67	
46 Benzene	78	6.172	6.172	0.000	92	369836	10.0	9.05	
48 1,2-Dichloroethane	62	6.217	6.217	0.000	97	138765	10.0	7.90	
44 Isooctane	57	6.277	6.280	-0.003	96	523126	10.0	10.7	
47 Tert-amyl methyl ether	73	6.281	6.284	-0.003	92	280360	10.0	10.6	
45 n-Heptane	71	6.427	6.430	-0.003	88	125653	10.0	10.7	
* 50 1,4-Difluorobenzene	114	6.558	6.562	-0.004	93	523341	10.0	10.0	
49 Trichloroethene	130	6.794	6.798	-0.004	99	168088	10.0	9.39	
52 Ethyl acrylate	55	6.854	6.858	-0.004	99	197039	10.0	9.08	
53 1,2-Dichloropropane	63	7.053	7.056	-0.003	95	132910	10.0	8.25	
55 Methyl methacrylate	69	7.083	7.083	0.000	91	107678	10.0	9.33	
56 1,4-Dioxane	88	7.109	7.116	-0.007	93	55301	10.0	9.97	
51 Dibromomethane	174	7.139	7.146	-0.007	95	131583	10.0	9.21	
54 Dichlorobromomethane	83	7.304	7.308	-0.004	99	228658	10.0	8.07	
57 cis-1,3-Dichloropropene	75	7.746	7.750	-0.004	98	185952	10.0	9.26	
60 4-Methyl-2-pentanone (MIBK)	43	7.885	7.889	-0.004	95	197936	10.0	8.71	
$ 103 Toluene-d8 (Surr)	98	8.024	8.027	-0.003	93	591890	10.0	10.2	
59 Toluene	91	8.095	8.099	-0.004	98	457575	10.0	9.93	
58 n-Octane	43	8.211	8.215	-0.004	80	240030	10.0	10.1	
62 trans-1,3-Dichloropropene	75	8.331	8.335	-0.004	88	159519	10.0	9.76	
63 Ethyl methacrylate	69	8.369	8.376	-0.007	87	176576	10.0	10.4	
64 1,1,2-Trichloroethane	97	8.541	8.545	-0.004	89	153279	10.0	9.20	
61 Tetrachloroethene	166	8.638	8.646	-0.008	94	219314	10.0	9.84	
67 2-Hexanone	43	8.762	8.766	-0.004	98	181956	10.0	9.53	
65 Chlorodibromomethane	127	8.953	8.961	-0.008	89	179503	10.0	9.26	
66 Ethylene Dibromide	107	9.092	9.096	-0.004	99	220358	10.0	9.83	
* 68 Chlorobenzene-d5 (IS)	117	9.598	9.606	-0.008	85	500453	10.0	10.0	
69 Chlorobenzene	112	9.632	9.636	-0.004	97	350458	10.0	9.54	
71 1,1,1,2-Tetrachloroethane	131	9.729	9.733	-0.004	96	173150	10.0	9.50	
70 Ethylbenzene	91	9.733	9.741	-0.008	98	540025	10.0	10.4	
72 m-Xylene & p-Xylene	91	9.883	9.887	-0.004	99	413638	10.0	10.8	
73 o-Xylene	91	10.325	10.329	-0.004	96	395580	10.0	10.8	
74 Styrene	104	10.348	10.352	-0.004	95	291800	10.0	11.8	
75 Bromoform	173	10.562	10.565	-0.003	96	185891	10.0	9.34	
76 Isopropylbenzene	105	10.749	10.753	-0.004	96	556720	10.0	11.5	
79 1,1,2,2-Tetrachloroethane	83	11.116	11.120	-0.004	95	298423	10.0	9.01	
78 Bromobenzene	156	11.128	11.135	-0.007	94	175929	10.0	9.67	
83 1,2,3-Trichloropropane	110	11.184	11.188	-0.004	84	83233	10.0	8.83	
77 N-Propylbenzene	120	11.240	11.244	-0.004	99	158606	10.0	10.8	
81 2-Chlorotoluene	126	11.349	11.349	0.000	97	143050	10.0	10.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
80 4-Ethyltoluene	105	11.383	11.382	0.001	98	571207	10.0	11.3	
82 1,3,5-Trimethylbenzene	105	11.446	11.450	-0.004	96	487123	10.0	11.5	
84 Alpha Methyl Styrene	118	11.682	11.686	-0.004	91	190627	10.0	11.4	
85 tert-Butylbenzene	119	11.791	11.791	0.000	93	453852	10.0	11.7	
86 1,2,4-Trimethylbenzene	105	11.855	11.859	-0.004	97	470018	10.0	12.0	
87 sec-Butylbenzene	105	12.024	12.027	-0.003	94	680390	10.0	11.6	
89 1,3-Dichlorobenzene	146	12.147	12.151	-0.004	97	318095	10.0	10.4	
88 4-Isopropyltoluene	119	12.181	12.185	-0.004	97	552458	10.0	12.2	
90 1,4-Dichlorobenzene	146	12.252	12.252	0.000	95	318389	10.0	10.6	
92 Benzyl chloride	126	12.365	12.368	-0.003	98	64175	10.0	10.8	
91 n-Butylbenzene	92	12.582	12.586	-0.004	97	263578	10.0	11.8	
94 1,2-Dichlorobenzene	146	12.601	12.605	-0.004	98	302607	10.0	10.5	
93 Hexachloroethane	117	12.856	12.859	-0.003	89	142555	10.0	10.0	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.321	0.000	87	126485	10.0	10.4	
97 1,2,4-Trichlorobenzene	180	14.003	14.003	0.000	94	190299	10.0	9.83	
96 Hexachlorobutadiene	225	14.112	14.115	-0.003	96	154207	10.0	10.4	
98 Naphthalene	128	14.217	14.220	-0.003	97	457322	10.0	12.0	
S 100 1,2-Dichloroethene, Total	61				0	316522	20.0	19.5	
S 109 1,3-Dichloropropene, Total	75				0		20.0	19.0	
S 101 Xylenes, Total	91				0	809218	20.0	21.7	
$ 110 BFB									

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

AIRLCS10.0_00356	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00260	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 14-Dec-2023 11:55:08 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X06.D

Injection Date: 14-Dec-2023 10:13:13 Instrument ID: HP8R004

Lims ID: LCSD

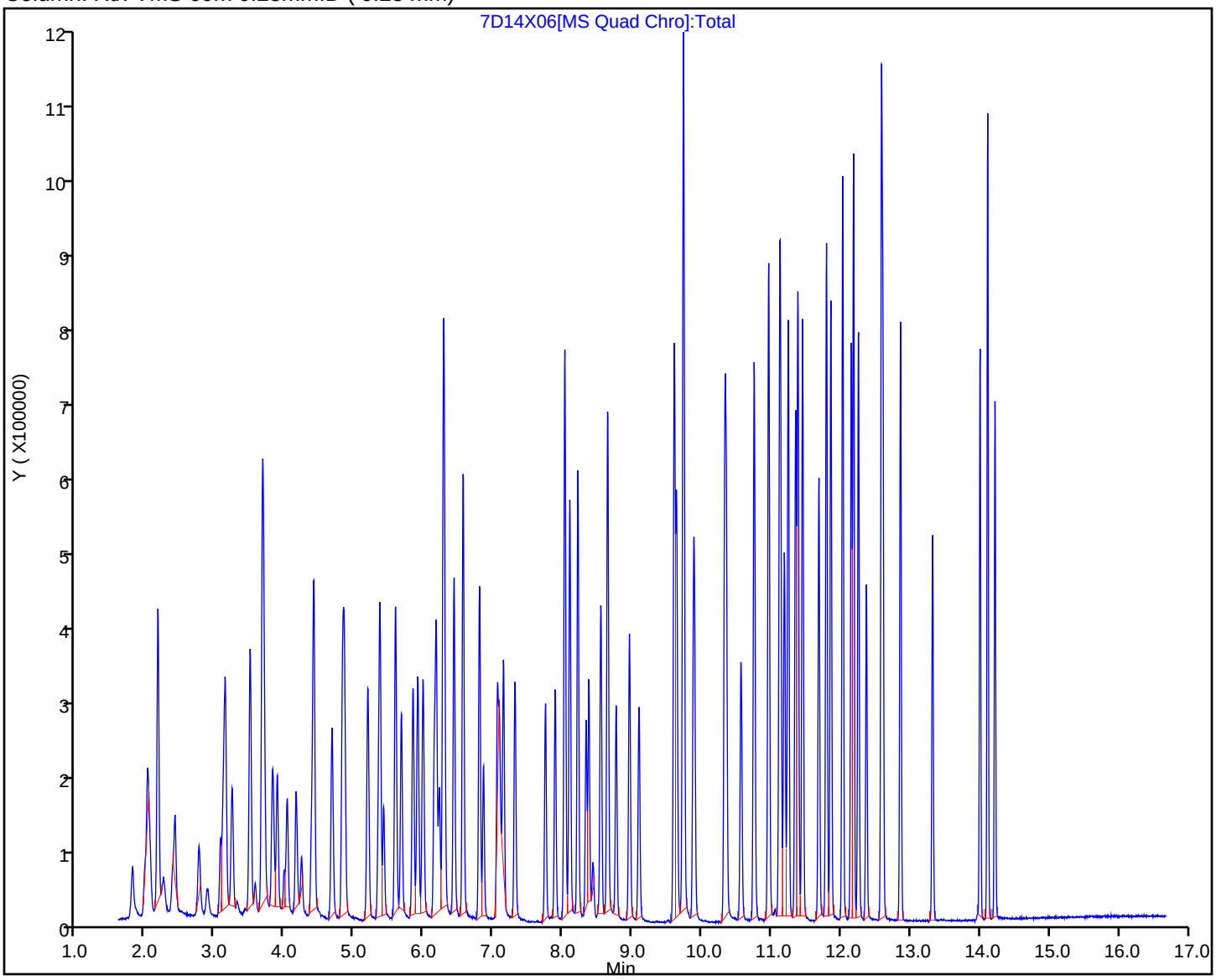
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 6

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\7D14X06.D				
Lims ID:	LCSD				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	14-Dec-2023 10:13:13	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Sample Info:	LCSD				
Misc. Info.:	410-0101896-006				
Operator ID:	bcb85445	Instrument ID:	HP8R004		
Method:	\\chromfs\Lancaster\ChromData\HP8R004\20231214-101896.b\AirMS_HP8R004.m				
Limit Group:	MSV - TO15				
Last Update:	14-Dec-2023 11:54:36	Calib Date:	19-Oct-2023 17:54:23		
Integrator:	Falcon	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D				
Column 1 :	Rtx-VMS 60m 0.25mmID (0.25 mm)		Det: MS Quad		
Process Host:	CTX1632				

First Level Reviewer: MLX9 Date: 14-Dec-2023 11:28:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 104 1,2-Dichloroethane-d4 (Surr)	10.0	8.67	86.71
$ 103 Toluene-d8 (Surr)	10.0	10.2	101.89

Eurofins Lancaster Laboratories Environment Testing, LLC

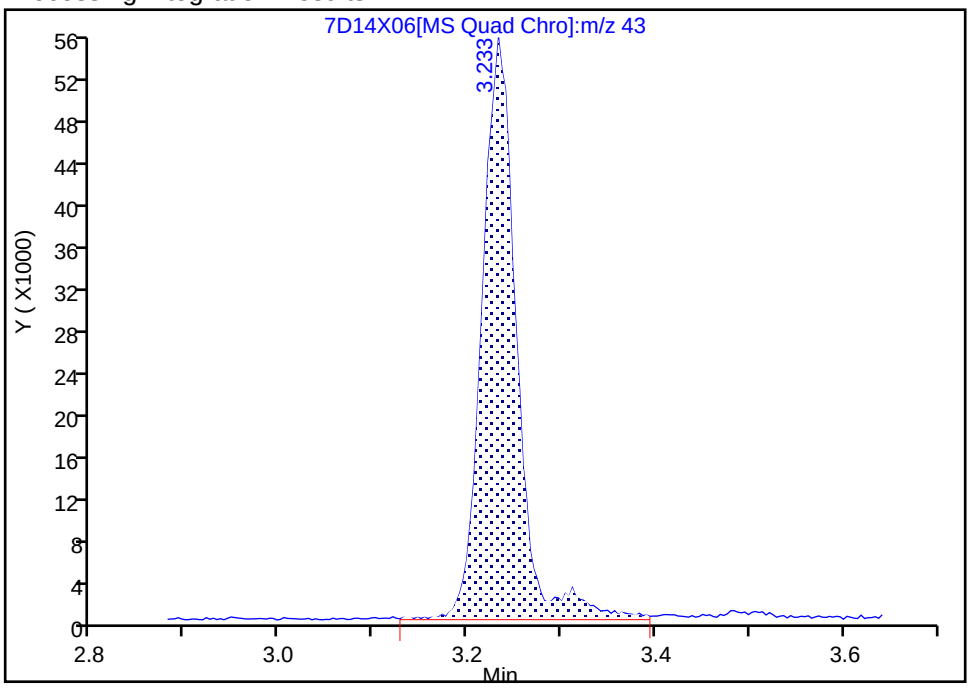
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Injection Date:	14-Dec-2023 10:13:13	Instrument ID:	HP8R004		
Lims ID:	LCSD				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	6
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

11 Pentane, CAS: 109-66-0

Signal: 1

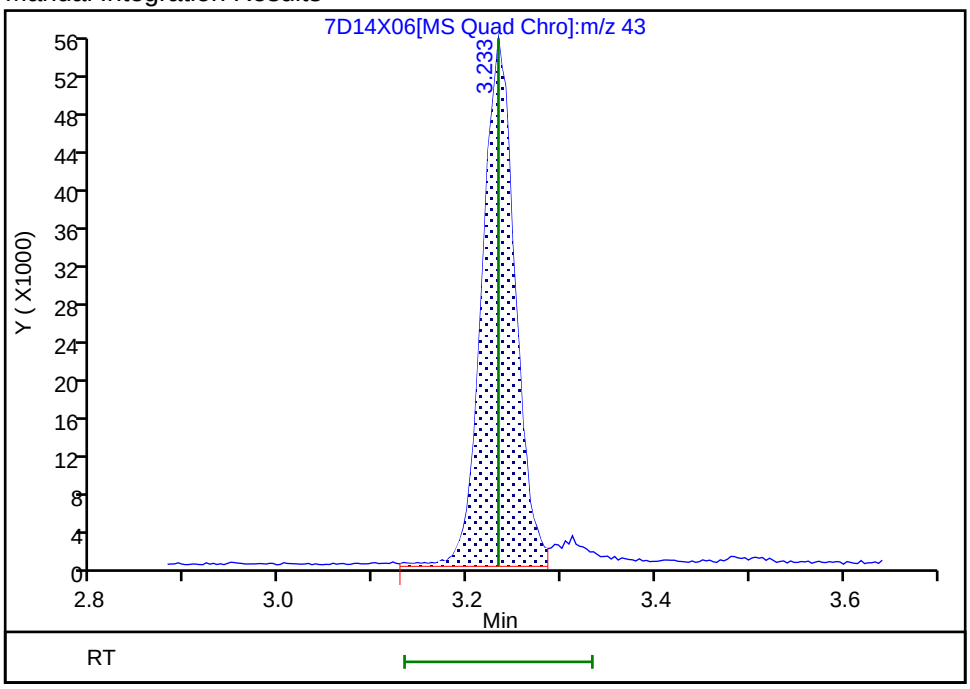
Processing Integration Results

RT: 3.23
Area: 143522
Amount: 9.427928
Amount Units: ppb v/v



Manual Integration Results

RT: 3.23
Area: 134888
Amount: 8.860763
Amount Units: ppb v/v



Reviewer: MLX9, 14-Dec-2023 11:27:13 -05:00:00 (UTC)
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 Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-454438/6

Matrix: Air
Lab File ID: 7D15X06.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/15/2023 09:38

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 454438
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	67.1		6.9	1.0
71-55-6	1,1,1-Trichloroethane	49.9		5.5	0.65
79-34-5	1,1,2,2-Tetrachloroethane	64.2		6.9	1.0
79-00-5	1,1,2-Trichloroethane	53.4		5.5	0.65
75-34-3	1,1-Dichloroethane	36.7		4.0	0.36
75-35-4	1,1-Dichloroethene	41.0		4.0	0.56
96-18-4	1,2,3-Trichloropropane	55.7		6.0	0.84
95-63-6	1,2,4-Trimethylbenzene	61.9		9.8	1.4
106-93-4	1,2-Dibromoethane	78.3		7.7	1.0
95-50-1	1,2-Dichlorobenzene	65.6		6.0	1.2
107-06-2	1,2-Dichloroethane	32.8		4.0	0.32
78-87-5	1,2-Dichloropropane	39.3		4.6	0.60
108-67-8	1,3,5-Trimethylbenzene	58.6		9.8	1.6
106-99-0	1,3-Butadiene	23.4		2.2	0.38
541-73-1	1,3-Dichlorobenzene	64.7		6.0	1.8
106-46-7	1,4-Dichlorobenzene	67.1		6.0	1.8
78-93-3	2-Butanone	30.7		2.9	0.62
591-78-6	2-Hexanone	39.7		8.2	2.0
107-05-1	3-Chloroprene	35.5		3.1	0.63
622-96-8	4-Ethyltoluene	57.3		4.9	0.88
108-10-1	4-Methyl-2-pentanone	35.6		4.1	0.61
67-64-1	Acetone	20.0		12	2.4
71-43-2	Benzene	29.6		3.2	0.35
108-86-1	Bromobenzene	65.8		6.4	1.3
75-27-4	Bromodichloromethane	55.7		6.7	2.7
75-25-2	Bromoform	100		10	4.1
74-83-9	Bromomethane	42.7		3.9	0.78
75-15-0	Carbon disulfide	31.4		3.1	1.2
56-23-5	Carbon tetrachloride	55.4		6.3	0.88
108-90-7	Chlorobenzene	45.3		4.6	0.60
75-45-6	Chlorodifluoromethane	33.9		3.5	1.4
75-00-3	Chloroethane	23.4		2.6	0.79
67-66-3	Chloroform	44.6		4.9	0.45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC
Job No.: 410-154614-1

SDG No.:

Client Sample ID:
Lab Sample ID: LCSD 410-454438/6

Matrix: Air
Lab File ID: 7D15X06.D

Analysis Method: TO-15
Date Collected:

Sample wt/vol: 200(mL)
Date Analyzed: 12/15/2023 09:38

Soil Aliquot Vol:
Dilution Factor: 1

Soil Extract Vol.:
GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 454438
Units: ug/m3

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	17.7		2.1	0.83
156-59-2	cis-1,2-Dichloroethene	37.8		4.0	0.79
10061-01-5	cis-1,3-Dichloropropene	41.9		4.5	0.45
98-82-8	Cumene	58.1		4.9	1.2
124-48-1	Dibromochloromethane	81.6		8.5	3.4
74-95-3	Dibromomethane	68.4		7.1	1.0
75-71-8	Dichlorodifluoromethane	48.3		4.9	0.64
75-43-4	Dichlorofluoromethane	44.7		4.2	0.46
100-41-4	Ethylbenzene	46.4		4.3	0.83
76-13-1	Freon 113	66.7		7.7	1.5
76-14-2	Freon-114	67.5		7.0	0.84
142-82-5	Heptane	44.5		4.1	0.94
67-72-1	Hexachloroethane	99.3		19	2.6
110-54-3	Hexane	33.1		3.5	1.1
540-84-1	Isooctane	51.3		4.7	1.9
179601-23-1	m&p-Xylene	49.1		4.3	1.1
1634-04-4	Methyl t-butyl ether	38.9		3.6	0.54
75-09-2	Methylene Chloride	34.3		6.9	0.87
95-47-6	o-Xylene	48.3		4.3	0.83
111-65-9	Octane	48.5		9.3	1.9
109-66-0	Pentane	28.1		3.0	0.59
100-42-5	Styrene	52.2		4.3	0.85
127-18-4	Tetrachloroethene	69.5		14	1.7
108-88-3	Toluene	38.3		3.8	1.5
156-60-5	trans-1,2-Dichloroethene	39.0		4.0	0.79
10061-02-6	trans-1,3-Dichloropropene	44.8		4.5	0.54
79-01-6	Trichloroethene	50.6		5.4	0.97
75-69-4	Trichlorofluoromethane	49.3		5.6	0.84
75-01-4	Vinyl chloride	27.5		2.6	0.31

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X06.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 15-Dec-2023 09:38:35 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 410-0102007-006
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 18-Dec-2023 08:58:40 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: MLX9 Date: 18-Dec-2023 08:52:46

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	1.981	1.973	0.008	96	60412	10.0	8.84	
2 Dichlorodifluoromethane	85	2.022	2.014	0.008	99	251577	10.0	9.76	
3 Chlorodifluoromethane	51	2.052	2.044	0.008	97	139409	10.0	9.59	
4 1,2-Dichloro-1,1,2,2-tetrafluoro	85	2.164	2.164	0.000	97	282402	10.0	9.66	
5 Chloromethane	50	2.254	2.247	0.007	99	74169	10.0	8.55	
6 Vinyl chloride	62	2.386	2.378	0.008	98	101790	10.0	10.8	
7 Butadiene	54	2.416	2.408	0.008	88	64714	10.0	10.6	
8 Bromomethane	94	2.761	2.757	0.004	90	95591	10.0	11.0	
9 Chloroethane	64	2.880	2.869	0.011	99	52182	10.0	8.89	
10 Vinyl bromide	106	3.068	3.060	0.008	99	97890	10.0	11.7	
13 Dichlorofluoromethane	67	3.113	3.105	0.008	97	220389	10.0	10.6	
12 Trichlorofluoromethane	101	3.135	3.131	0.004	99	248377	10.0	8.78	
11 Pentane	43	3.233	3.225	0.008	96	140464	10.0	9.52	
14 Ethanol	45	3.308	3.304	0.004	98	24947	10.0	11.7	
19 Acrolein	56	3.570	3.563	0.007	98	35522	10.0	10.6	
15 1,1-Dichloroethene	61	3.668	3.664	0.004	96	150039	10.0	10.3	
16 1,1,2-Trichloro-1,2,2-trifluoroe	103	3.675	3.675	0.000	94	148926	10.0	8.71	
23 Acetone	43	3.709	3.698	0.011	99	118264	10.0	8.41	
18 Iodomethane	142	3.818	3.806	0.012	98	230734	10.0	11.0	
20 Isopropyl alcohol	45	3.833	3.825	0.008	97	82915	10.0	10.4	
17 Carbon disulfide	76	3.885	3.881	0.004	98	278727	10.0	10.1	
28 Acetonitrile	41	3.986	3.979	0.007	99	48827	10.0	7.85	
21 3-Chloro-1-propene	41	4.028	4.020	0.008	88	124368	10.0	11.3	
22 Methylene Chloride	84	4.159	4.147	0.012	87	96863	10.0	9.88	
27 2-Methyl-2-propanol	59	4.234	4.230	0.004	97	95666	10.0	12.2	
31 Acrylonitrile	53	4.376	4.369	0.007	99	77108	10.0	9.54	
26 Methyl tert-butyl ether	73	4.406	4.399	0.007	95	253727	10.0	10.8	
24 trans-1,2-Dichloroethene	61	4.414	4.406	0.008	98	139998	10.0	9.82	
25 Hexane	56	4.676	4.668	0.008	90	73298	10.0	9.39	
33 Vinyl acetate	86	4.819	4.807	0.012	97	25019	10.0	11.8	
30 1,1-Dichloroethane	63	4.830	4.826	0.004	95	178108	10.0	9.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
29 Isopropyl ether	45	4.852	4.845	0.007	89	287409	10.0	9.98	
32 Tert-butyl ethyl ether	59	5.190	5.182	0.008	96	264278	10.0	11.0	
43 2-Butanone (MEK)	72	5.340	5.332	0.008	99	49197	10.0	10.4	
34 cis-1,2-Dichloroethene	61	5.362	5.358	0.004	81	163898	10.0	9.53	
38 Ethyl acetate	70	5.370	5.362	0.008	93	25967	10.0	9.86	
39 Methyl acrylate	55	5.418	5.411	0.007	100	158197	10.0	9.90	
* 35 Chlorobromomethane (IS)	130	5.587	5.576	0.011	91	118674	10.0	10.0	
41 Tetrahydrofuran	42	5.595	5.587	0.008	95	93504	10.0	9.85	
37 Chloroform	83	5.673	5.666	0.007	92	223212	10.0	9.14	
42 1,1,1-Trichloroethane	97	5.842	5.834	0.008	98	213567	10.0	9.14	
36 Cyclohexane	56	5.909	5.902	0.007	89	150315	10.0	10.4	
40 Carbon tetrachloride	117	5.984	5.977	0.007	97	210380	10.0	8.80	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.146	6.142	0.004	0	136446	10.0	8.43	
46 Benzene	78	6.172	6.164	0.008	95	352453	10.0	9.25	
48 1,2-Dichloroethane	62	6.217	6.209	0.008	97	132792	10.0	8.11	
44 Isooctane	57	6.281	6.277	0.004	95	499383	10.0	11.0	
47 Tert-amyl methyl ether	73	6.284	6.277	0.007	87	274120	10.0	11.1	
45 n-Heptane	71	6.434	6.423	0.011	89	119209	10.0	10.9	
* 50 1,4-Difluorobenzene	114	6.562	6.554	0.008	95	487852	10.0	10.0	
49 Trichloroethene	130	6.798	6.790	0.008	99	157019	10.0	9.41	
52 Ethyl acrylate	55	6.854	6.850	0.004	99	189142	10.0	9.35	
53 1,2-Dichloropropane	63	7.057	7.049	0.008	95	127801	10.0	8.51	
55 Methyl methacrylate	69	7.087	7.079	0.008	88	101165	10.0	9.40	
56 1,4-Dioxane	88	7.109	7.105	0.004	90	65543	10.0	12.7	
51 Dibromomethane	174	7.143	7.139	0.004	96	128183	10.0	9.62	
54 Dichlorobromomethane	83	7.308	7.304	0.004	99	219432	10.0	8.31	
57 cis-1,3-Dichloropropene	75	7.746	7.739	0.007	98	172924	10.0	9.24	
60 4-Methyl-2-pentanone (MIBK)	43	7.889	7.881	0.008	96	184185	10.0	8.69	
$ 103 Toluene-d8 (Surr)	98	8.027	8.020	0.007	92	554250	10.0	10.3	
59 Toluene	91	8.095	8.091	0.004	98	434763	10.0	10.2	
58 n-Octane	43	8.215	8.207	0.008	81	228210	10.0	10.4	
62 trans-1,3-Dichloropropene	75	8.331	8.327	0.004	87	149631	10.0	9.87	
63 Ethyl methacrylate	69	8.372	8.365	0.007	86	167718	10.0	10.7	
64 1,1,2-Trichloroethane	97	8.545	8.541	0.004	89	151280	10.0	9.79	
61 Tetrachloroethene	166	8.642	8.638	0.004	94	211792	10.0	10.2	
67 2-Hexanone	43	8.766	8.758	0.008	95	171734	10.0	9.69	
65 Chlorodibromomethane	127	8.957	8.949	0.008	90	172206	10.0	9.57	
66 Ethylene Dibromide	107	9.096	9.088	0.008	98	211732	10.0	10.2	
* 68 Chlorobenzene-d5 (IS)	117	9.602	9.594	0.008	88	464197	10.0	10.0	
69 Chlorobenzene	112	9.636	9.632	0.004	96	335563	10.0	9.85	
71 1,1,1,2-Tetrachloroethane	131	9.733	9.725	0.008	96	165472	10.0	9.78	
70 Ethylbenzene	91	9.741	9.733	0.008	98	514569	10.0	10.7	
72 m-Xylene & p-Xylene	91	9.887	9.879	0.008	98	401129	10.0	11.3	
73 o-Xylene	91	10.329	10.321	0.008	96	376514	10.0	11.1	
74 Styrene	104	10.352	10.344	0.008	94	282064	10.0	12.2	
75 Bromoform	173	10.565	10.554	0.011	96	179147	10.0	9.71	
76 Isopropylbenzene	105	10.757	10.745	0.011	96	532259	10.0	11.8	
79 1,1,2,2-Tetrachloroethane	83	11.120	11.112	0.008	95	287247	10.0	9.35	
78 Bromobenzene	156	11.135	11.124	0.011	93	172952	10.0	10.2	
83 1,2,3-Trichloropropane	110	11.188	11.180	0.008	84	80856	10.0	9.24	
77 N-Propylbenzene	120	11.244	11.236	0.008	99	150719	10.0	11.1	
81 2-Chlorotoluene	126	11.349	11.341	0.008	97	140587	10.0	11.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ppb v/v	OnCol Amt ppb v/v	Flags
80 4-Ethyltoluene	105	11.383	11.375	0.008	97	548518	10.0	11.7	
82 1,3,5-Trimethylbenzene	105	11.450	11.442	0.008	94	470005	10.0	11.9	
84 Alpha Methyl Styrene	118	11.686	11.679	0.007	88	183024	10.0	11.8	
85 tert-Butylbenzene	119	11.795	11.787	0.008	93	440746	10.0	12.3	
86 1,2,4-Trimethylbenzene	105	11.859	11.851	0.008	97	455324	10.0	12.6	
87 sec-Butylbenzene	105	12.027	12.020	0.007	94	659808	10.0	12.1	
89 1,3-Dichlorobenzene	146	12.151	12.143	0.008	97	306009	10.0	10.8	
88 4-Isopropyltoluene	119	12.185	12.177	0.008	97	538328	10.0	12.8	
90 1,4-Dichlorobenzene	146	12.256	12.245	0.011	96	311930	10.0	11.2	
92 Benzyl chloride	126	12.368	12.365	0.003	98	61721	10.0	11.2	
91 n-Butylbenzene	92	12.586	12.578	0.008	97	252453	10.0	12.2	
94 1,2-Dichlorobenzene	146	12.605	12.597	0.008	98	291048	10.0	10.9	
93 Hexachloroethane	117	12.860	12.852	0.008	91	135297	10.0	10.3	
95 1,2-Dibromo-3-Chloropropane	157	13.321	13.313	0.008	85	123643	10.0	11.0	
97 1,2,4-Trichlorobenzene	180	14.003	13.999	0.004	95	186107	10.0	10.4	
96 Hexachlorobutadiene	225	14.115	14.108	0.007	96	151344	10.0	11.0	
98 Naphthalene	128	14.220	14.213	0.007	97	441044	10.0	12.5	
S 100 1,2-Dichloroethene, Total	61				0	303896	20.0	19.3	
S 109 1,3-Dichloropropene, Total	75				0		20.0	19.1	
S 101 Xylenes, Total	91				0	777643	20.0	22.4	
$ 110 BFB									

QC Flag Legend

Processing Flags

Reagents:

AIRLCS10.0_00356	Amount Added: 200.00	Units: mL	
AIRIS200 ppb_00260	Amount Added: 10.00	Units: mL	Run Reagent

Report Date: 18-Dec-2023 08:59:10 Chrom Revision: 2.3 30-Nov-2023 17:25:52

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X06.D

Injection Date: 15-Dec-2023 09:38:35 Instrument ID: HP8R004

Lims ID: LCSD

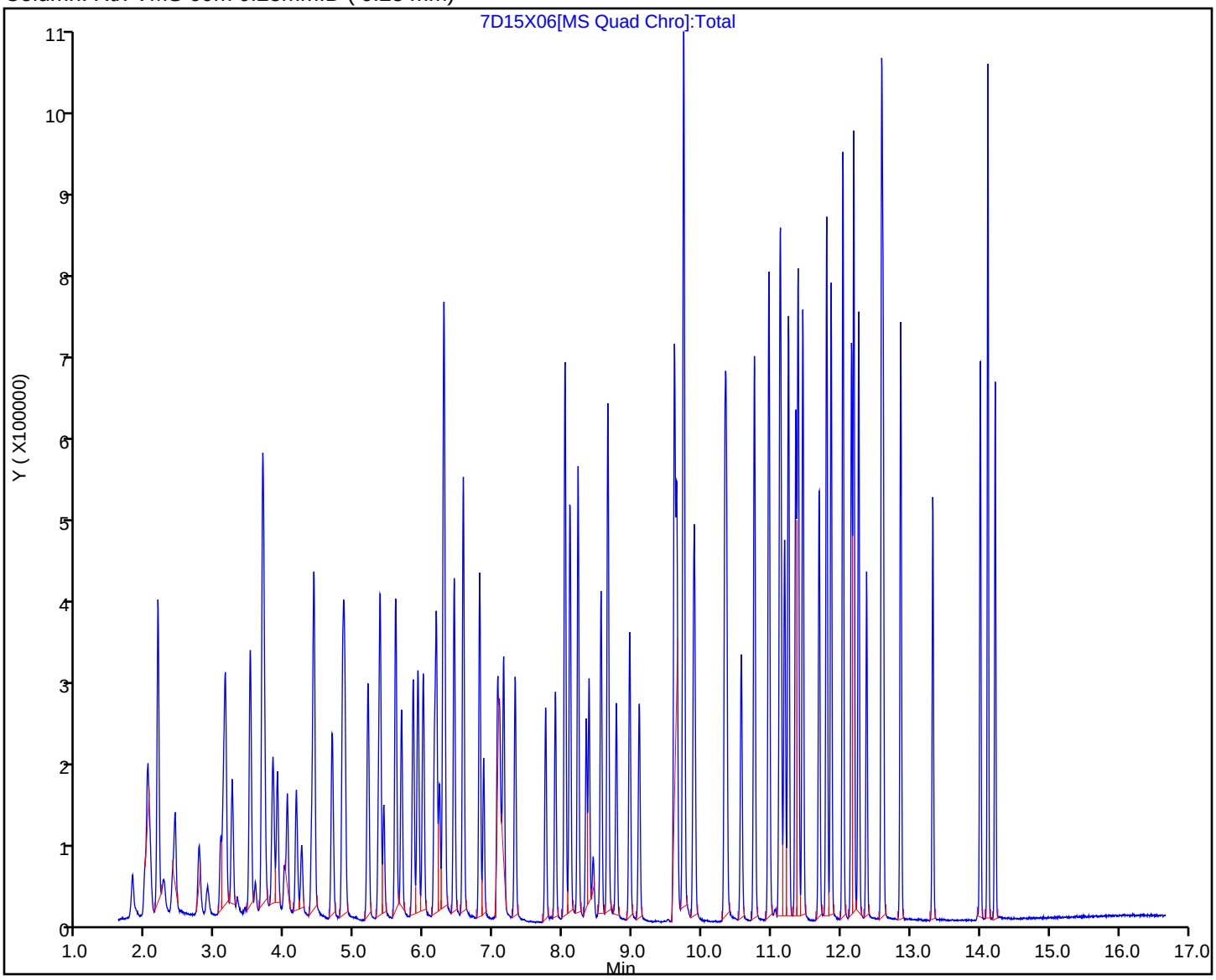
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 6

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



Eurofins Lancaster Laboratories Environment Testing, LLC

Recovery Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\7D15X06.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 15-Dec-2023 09:38:35 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 410-0102007-006
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231215-102007.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 18-Dec-2023 08:58:40 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1615

First Level Reviewer: MLX9 Date: 18-Dec-2023 08:52:46

Compound	Amount Added	Amount Recovered	% Rec.
$ 104 1,2-Dichloroethane-d4 (Surr)	10.0	8.43	84.35
$ 103 Toluene-d8 (Surr)	10.0	10.3	102.87

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Instrument ID: HP8R004 Start Date: 10/19/2023 14:11

Analysis Batch Number: 433347 End Date: 10/20/2023 13:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-433347/1		10/19/2023 14:11	1	7O19T01.D	Rtx-VMS 60m 0.25(mm)
ICISAV 410-433347/3		10/19/2023 15:19	1	7O19X03.D	Rtx-VMS 60m 0.25(mm)
CCVIS 410-433347/1003		10/19/2023 15:19	1		Rtx-VMS 60m 0.25(mm)
IC 410-433347/4		10/19/2023 15:41	1	7O19X04.D	Rtx-VMS 60m 0.25(mm)
IC 410-433347/5		10/19/2023 16:03	1	7O19X05.D	Rtx-VMS 60m 0.25(mm)
IC 410-433347/6		10/19/2023 16:25	1	7O19X06.D	Rtx-VMS 60m 0.25(mm)
IC 410-433347/7		10/19/2023 16:48	1	7O19X09.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 16:48	1		Rtx-VMS 60m 0.25(mm)
IC 410-433347/8		10/19/2023 17:10	1	7O19X10.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 17:10	1		Rtx-VMS 60m 0.25(mm)
IC 410-433347/9		10/19/2023 17:32	1	7O19X13.D	Rtx-VMS 60m 0.25(mm)
IC 410-433347/10		10/19/2023 17:54	1	7O19X14.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 19:23	1		Rtx-VMS 60m 0.25(mm)
ICV 410-433347/15		10/19/2023 19:45	1	7O19X19.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 19:45	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 20:07	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 08:50	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 09:12	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 09:34	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 09:57	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 10:24	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 10:50	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 11:12	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 11:34	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 11:57	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 12:19	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 12:43	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 13:07	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 13:29	40		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 13:51	40		Rtx-VMS 60m 0.25(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Instrument ID: HP8R004 Start Date: 12/14/2023 07:56

Analysis Batch Number: 453905 End Date: 12/14/2023 17:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-453905/1		12/14/2023 07:56	1	7D14T01.D	Rtx-VMS 60m 0.25(mm)
CCVIS 410-453905/3		12/14/2023 09:07	1	7D14X03.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 09:29	1		Rtx-VMS 60m 0.25(mm)
LCS 410-453905/5		12/14/2023 09:51	1	7D14X05.D	Rtx-VMS 60m 0.25(mm)
LCSD 410-453905/6		12/14/2023 10:13	1	7D14X06.D	Rtx-VMS 60m 0.25(mm)
MB 410-453905/8		12/14/2023 10:57	1	7D14X08.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 11:19	40		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 11:41	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 12:05	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 12:27	40		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 12:49	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 13:38	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 14:00	1		Rtx-VMS 60m 0.25(mm)
410-154614-1	SV-1-20231212	12/14/2023 14:46	1	7D14X17.D	Rtx-VMS 60m 0.25(mm)
410-154614-2	AA-1-20231212	12/14/2023 15:10	1	7D14X18.D	Rtx-VMS 60m 0.25(mm)
410-154614-3	IA-1-20231212	12/14/2023 15:34	1	7D14X19.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 15:56	2		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 16:18	20		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 16:41	2		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 17:03	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/14/2023 17:25	2		Rtx-VMS 60m 0.25(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-154614-1

SDG No.:

Instrument ID: HP8R004 Start Date: 12/15/2023 07:23

Analysis Batch Number: 454438 End Date: 12/15/2023 14:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-454438/1		12/15/2023 07:23	1	7D15T01.D	Rtx-VMS 60m 0.25(mm)
CCVIS 410-454438/3		12/15/2023 08:32	1	7D15X03.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/15/2023 08:54	1		Rtx-VMS 60m 0.25(mm)
LCS 410-454438/5		12/15/2023 09:16	1	7D15X05.D	Rtx-VMS 60m 0.25(mm)
LCSD 410-454438/6		12/15/2023 09:38	1	7D15X06.D	Rtx-VMS 60m 0.25(mm)
MB 410-454438/8		12/15/2023 10:22	1	7D15X08.D	Rtx-VMS 60m 0.25(mm)
410-154614-1 DL	SV-1-20231212 DL	12/15/2023 10:45	2	7D15X09.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/15/2023 11:07	2		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/15/2023 11:29	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/15/2023 13:50	200		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/15/2023 14:12	100		Rtx-VMS 60m 0.25(mm)
ZZZZZ		12/15/2023 14:34	100		Rtx-VMS 60m 0.25(mm)

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories | Job No.: 410-154614-1

SDG No.:

Batch Number: 433347 | Batch Start Date: 10/19/23 14:11 | Batch Analyst: Barber, Brenna

Batch Method: TO-15 | Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AIRBFB100ppb 00046	AIRCAL10.0 00398	AIRCAL2.0 00113	AIRCAL50.0 00116
BFB 410-433347/1		TO-15		200 mL	200 mL	20 mL			
ICISAV 410-433347/3		TO-15		200 mL	200 mL		200 mL		
IC 410-433347/4		TO-15		200 mL	200 mL		100 mL		
IC 410-433347/5		TO-15		200 mL	200 mL		40 mL		
IC 410-433347/6		TO-15		200 mL	200 mL		20 mL		
IC 410-433347/7		TO-15		200 mL	200 mL			50 mL	
IC 410-433347/8		TO-15		200 mL	200 mL			20 mL	
IC 410-433347/9		TO-15		200 mL	200 mL				100 mL
IC 410-433347/10		TO-15		200 mL	200 mL				300 mL
ICV 410-433347/15		TO-15		200 mL	200 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	AIRIS200 ppb 00245	AIRLCS10.0 00348				
BFB 410-433347/1		TO-15		10 mL					
ICISAV 410-433347/3		TO-15		10 mL					
IC 410-433347/4		TO-15		10 mL					
IC 410-433347/5		TO-15		10 mL					
IC 410-433347/6		TO-15		10 mL					
IC 410-433347/7		TO-15		10 mL					
IC 410-433347/8		TO-15		10 mL					
IC 410-433347/9		TO-15		10 mL					
IC 410-433347/10		TO-15		10 mL					
ICV 410-433347/15		TO-15		10 mL	200 mL				

Batch Notes	

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 Laboratories | Job No.: 410-154614-1

SDG No.:

Batch Number: 433347 | Batch Start Date: 10/19/23 14:11 | Batch Analyst: Barber, Brenna

Batch Method: TO-15 | Batch End Date:

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 Laboratories Job No.: 410-154614-1

SDG No.:

Batch Number: 453905 Batch Start Date: 12/14/23 07:56 Batch Analyst: Barber, Brenna

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AIRBFB100ppb 00054	AIRCAL10.0 00406	AIRIS200 ppb 00260	AIRLCS10.0 00356
BFB 410-453905/1		TO-15		200 mL	200 mL	20 mL		10 mL	
CCVIS 410-453905/3		TO-15		200 mL	200 mL		200 mL	10 mL	
LCS 410-453905/5		TO-15		200 mL	200 mL			10 mL	200 mL
LCSD 410-453905/6		TO-15		200 mL	200 mL			10 mL	200 mL
MB 410-453905/8		TO-15		200 mL	200 mL			10 mL	
410-154614-A-1	SV-1-20231212	TO-15	T	200 mL	200 mL			10 mL	
410-154614-A-2	AA-1-20231212	TO-15	T	200 mL	200 mL			10 mL	
410-154614-A-3	IA-1-20231212	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.

AIR - GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-154614-1

SDG No.:

Batch Number: 454438 Batch Start Date: 12/15/23 07:23 Batch Analyst: Barber, Brenna

Batch Method: TO-15 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	AIRBFB100ppb 00054	AIRCAL10.0 00406	AIRIS200 ppb 00260	AIRLCS10.0 00356
BFB 410-454438/1		TO-15		200 mL	200 mL	20 mL		10 mL	
CCVIS 410-454438/3		TO-15		200 mL	200 mL		200 mL	10 mL	
LCS 410-454438/5		TO-15		200 mL	200 mL			10 mL	200 mL
LCSD 410-454438/6		TO-15		200 mL	200 mL			10 mL	200 mL
MB 410-454438/8		TO-15		200 mL	200 mL			10 mL	
410-154614-A-1	SV-1-20231212	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 Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7N27X05.D

Lab ID: LCS 410-446866/5 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	10.03	100	73-124	
1,1,1-Trichloroethane	10.0	10.27	103	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.513	85	68-138	
1,1,2-Trichloroethane	10.0	10.34	103	76-127	
1,1-Dichloroethane	10.0	10.54	105	70-130	
1,1-Dichloroethene	10.0	11.46	115	70-131	
1,2,3-Trichloropropane	10.0	8.702	87	70-136	
1,2,4-Trichlorobenzene	10.0	5.979	60	31-155	
1,2,4-Trimethylbenzene	10.0	10.28	103	65-146	
1,2-Dibromoethane	10.0	10.53	105	70-130	
1,2-Dibromo-3-Chloropropane	10.0	6.560	66	42-154	
1,2-Dichlorobenzene	10.0	8.210	82	61-139	
1,2-Dichloroethane	10.0	9.288	93	70-142	
1,2-Dichloropropane	10.0	9.553	96	70-130	
1,3,5-Trimethylbenzene	10.0	10.28	103	69-141	
1,2-Dichloroethene (total)	20.0	22.18	111	70-130	
1,3-Butadiene	10.0	11.78	118	70-131	
1,3-Dichlorobenzene	10.0	8.403	84	64-140	
1,4-Dichlorobenzene	10.0	8.397	84	64-137	
2-Butanone	10.0	11.16	112	70-130	
2-Hexanone	10.0	9.584	96	63-144	
1,3-Dichloropropene, Total	20.0	20.76	104	70-130	
3-Chloroprene	10.0	11.48	115	70-156	
4-Ethyltoluene	10.0	10.36	104	69-139	
4-Methyl-2-pentanone	10.0	8.986	90	68-133	
Acetone	10.0	9.317	93	70-137	
Benzene	10.0	10.06	101	70-130	
Bromobenzene	10.0	8.893	89	70-130	
Bromodichloromethane	10.0	8.941	89	75-134	
Bromoform	10.0	8.197	82	60-139	
Bromomethane	10.0	11.87	119	70-134	
Carbon disulfide	10.0	11.64	116	70-130	
Carbon tetrachloride	10.0	9.896	99	70-130	
Chlorobenzene	10.0	10.12	101	76-117	
Chlorodifluoromethane	10.0	11.03	110	70-141	
Chloroethane	10.0	10.78	108	70-131	
Chloroform	10.0	10.23	102	70-130	
Chloromethane	10.0	9.998	100	70-138	
cis-1,2-Dichloroethene	10.0	10.74	107	70-130	
cis-1,3-Dichloropropene	10.0	9.802	98	70-130	
Bromoethene	10.0	12.68	127	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 Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7N27X05.D

Lab ID: LCS 410-446866/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Cumene	10.0	11.06	111	70-131	
Dibromochloromethane	10.0	9.526	95	74-131	
Dibromomethane	10.0	9.276	93	70-130	
Dichlorodifluoromethane	10.0	11.10	111	70-131	
Dichlorofluoromethane	10.0	12.61	126	70-136	
Ethylbenzene	10.0	10.91	109	70-130	
Freon 113	10.0	10.17	102	70-130	
Freon-114	10.0	10.78	108	70-130	
Heptane	10.0	11.98	120	70-130	
Hexachloroethane	10.0	7.920	79	38-163	
Hexane	10.0	10.59	106	70-130	
Isooctane	10.0	12.00	120	70-130	
m&p-Xylene	10.0	11.43	114	78-119	
Methyl t-butyl ether	10.0	11.94	119	70-130	
Methylene Chloride	10.0	11.58	116	70-139	
o-Xylene	10.0	11.01	110	70-130	
Octane	10.0	11.01	110	70-130	
Pentane	10.0	9.568	96	70-130	
Styrene	10.0	11.51	115	70-133	
Tetrachloroethene	10.0	10.05	101	70-130	
Toluene	10.0	11.13	111	70-130	
trans-1,2-Dichloroethene	10.0	11.44	114	70-130	
trans-1,3-Dichloropropene	10.0	10.96	110	70-130	
Trichloroethene	10.0	9.937	99	70-130	
Trichlorofluoromethane	10.0	10.17	102	70-130	
Vinyl chloride	10.0	12.45	124	70-135	
Isopropanol	10.0	8.280	83	69-141	
Naphthalene	10.0	7.438	74	17-179	
Xylenes, Total	20.0	22.44	112	70-130	
Methyl acrylate	10.0	10.56	106	75-130	
Tetrahydrofuran	10.0	9.764	98	70-131	
Ethyl acetate	10.0	10.97	110	62-160	
Methyl methacrylate	10.0	10.11	101	73-117	
tert-Butyl alcohol	10.0	10.43	104	67-145	
Benzyl chloride	10.0	8.485	85	42-160	
Hexachlorobutadiene	10.0	6.362	64	34-157	
n-Butylbenzene	10.0	8.635	86	57-149	
2-Chlorotoluene	10.0	9.606	96	70-137	
Acetonitrile	10.0	9.008	90	67-143	
Propene	10.0	9.804	98	66-127	
1,4-Dioxane	10.0	10.36	104	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 Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7N27X05.D

Lab ID: LCS 410-446866/5 Client ID:

COMPOUND	SPIKE ADDED (ppb v/v)	LCS CONCENTRATION (ppb v/v)	LCS % REC	QC LIMITS REC	#
Iodomethane	10.0	11.86	119	70-125	
Acrylonitrile	10.0	10.71	107	70-131	
Alpha Methyl Styrene	10.0	8.886	89	56-142	
Ethyl methacrylate	10.0	10.94	109	67-130	
sec-Butylbenzene	10.0	9.869	99	66-141	
N-Propylbenzene	10.0	9.853	99	70-130	
Ethyl tert-butyl ether	10.0	12.25	122	64-131	
di-Isopropyl ether	10.0	11.05	111	70-130	
Cyclohexane	10.0	11.40	114	70-130	
Acrolein	10.0	11.25	113	70-135	
Ethanol	10.0	8.308	83	38-150	
p-Isopropyltoluene	10.0	9.630	96	60-148	
Ethyl acrylate	10.0	9.651	97	71-126	
Tert-amyl methyl ether	10.0	12.30	123	78-124	
Vinyl acetate	10.0	12.54	125	70-151	
tert-Butylbenzene	10.0	10.16	102	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 Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7N27X06.D

Lab ID: LCSD 410-446866/6 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	10.05	101	0	25	73-124	
1,1,1-Trichloroethane	10.0	10.38	104	1	25	70-130	
1,1,2,2-Tetrachloroethane	10.0	8.536	85	0	25	68-138	
1,1,2-Trichloroethane	10.0	10.33	103	0	25	76-127	
1,1-Dichloroethane	10.0	10.76	108	2	25	70-130	
1,1-Dichloroethene	10.0	11.75	117	2	25	70-131	
1,2,3-Trichloropropane	10.0	8.614	86	1	25	70-136	
1,2,4-Trichlorobenzene	10.0	5.971	60	0	25	31-155	
1,2,4-Trimethylbenzene	10.0	10.31	103	0	25	65-146	
1,2-Dibromoethane	10.0	10.59	106	1	25	70-130	
1,2-Dibromo-3-Chloropropane	10.0	6.651	67	1	25	42-154	
1,2-Dichlorobenzene	10.0	8.095	81	1	25	61-139	
1,2-Dichloroethane	10.0	9.375	94	1	25	70-142	
1,2-Dichloropropane	10.0	9.472	95	1	25	70-130	
1,3,5-Trimethylbenzene	10.0	10.46	105	2	25	69-141	
1,2-Dichloroethene (total)	20.0	22.30	112	1	25	70-130	
1,3-Butadiene	10.0	12.24	122	4	25	70-131	
1,3-Dichlorobenzene	10.0	8.355	84	1	25	64-140	
1,4-Dichlorobenzene	10.0	8.481	85	1	25	64-137	
2-Butanone	10.0	11.17	112	0	25	70-130	
2-Hexanone	10.0	9.800	98	2	25	63-144	
1,3-Dichloropropene, Total	20.0	21.34	107	3	25	70-130	
3-Chloroprene	10.0	11.98	120	4	25	70-156	
4-Ethyltoluene	10.0	10.45	104	1	25	69-139	
4-Methyl-2-pentanone	10.0	9.210	92	2	25	68-133	
Acetone	10.0	9.473	95	2	25	70-137	
Benzene	10.0	10.30	103	2	25	70-130	
Bromobenzene	10.0	8.839	88	1	25	70-130	
Bromodichloromethane	10.0	9.029	90	1	25	75-134	
Bromoform	10.0	8.170	82	0	25	60-139	
Bromomethane	10.0	12.08	121	2	25	70-134	
Carbon disulfide	10.0	11.74	117	1	25	70-130	
Carbon tetrachloride	10.0	9.715	97	2	25	70-130	
Chlorobenzene	10.0	9.981	100	1	25	76-117	
Chlorodifluoromethane	10.0	11.08	111	0	25	70-141	
Chloroethane	10.0	10.57	106	2	25	70-131	
Chloroform	10.0	10.29	103	1	25	70-130	
Chloromethane	10.0	10.15	102	2	25	70-138	
cis-1,2-Dichloroethene	10.0	10.84	108	1	25	70-130	
cis-1,3-Dichloropropene	10.0	10.11	101	3	25	70-130	
Bromoethene	10.0	12.76	128	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 Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7N27X06.D

Lab ID: LCSD 410-446866/6 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	11.20	112	1	25	70-131	
Dibromochloromethane	10.0	9.542	95	0	25	74-131	
Dibromomethane	10.0	8.992	90	3	25	70-130	
Dichlorodifluoromethane	10.0	11.20	112	1	25	70-131	
Dichlorofluoromethane	10.0	12.64	126	0	25	70-136	
Ethylbenzene	10.0	10.88	109	0	25	70-130	
Freon 113	10.0	10.28	103	1	25	70-130	
Freon-114	10.0	10.94	109	1	25	70-130	
Heptane	10.0	11.73	117	2	25	70-130	
Hexachloroethane	10.0	8.078	81	2	25	38-163	
Hexane	10.0	11.29	113	6	25	70-130	
Isooctane	10.0	11.96	120	0	25	70-130	
m&p-Xylene	10.0	11.36	114	1	25	78-119	
Methyl t-butyl ether	10.0	12.09	121	1	25	70-130	
Methylene Chloride	10.0	11.11	111	4	25	70-139	
o-Xylene	10.0	11.07	111	1	25	70-130	
Octane	10.0	11.16	112	1	25	70-130	
Pentane	10.0	9.558	96	0	25	70-130	
Styrene	10.0	11.54	115	0	25	70-133	
Tetrachloroethene	10.0	10.04	100	0	25	70-130	
Toluene	10.0	11.30	113	2	25	70-130	
trans-1,2-Dichloroethene	10.0	11.46	115	0	25	70-130	
trans-1,3-Dichloropropene	10.0	11.23	112	2	25	70-130	
Trichloroethene	10.0	9.863	99	1	25	70-130	
Trichlorofluoromethane	10.0	10.09	101	1	25	70-130	
Vinyl chloride	10.0	12.49	125	0	25	70-135	
Isopropanol	10.0	8.549	85	3	25	69-141	
Naphthalene	10.0	7.489	75	1	25	17-179	
Xylenes, Total	20.0	22.43	112	0	25	70-130	
Methyl acrylate	10.0	10.78	108	2	25	75-130	
Tetrahydrofuran	10.0	9.916	99	2	25	70-131	
Ethyl acetate	10.0	10.96	110	0	25	62-160	
Methyl methacrylate	10.0	10.02	100	1	25	73-117	
tert-Butyl alcohol	10.0	10.68	107	2	25	67-145	
Benzyl chloride	10.0	8.649	86	2	25	42-160	
Hexachlorobutadiene	10.0	6.373	64	0	25	34-157	
n-Butylbenzene	10.0	8.618	86	0	25	57-149	
2-Chlorotoluene	10.0	9.706	97	1	25	70-137	
Acetonitrile	10.0	9.225	92	2	25	67-143	
Propene	10.0	9.835	98	0	25	66-127	
1,4-Dioxane	10.0	10.65	106	3	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 Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Matrix: Air Level: Low Lab File ID: 7N27X06.D

Lab ID: LCSD 410-446866/6 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	12.10	121	2	25	70-125	
Acrylonitrile	10.0	10.77	108	1	25	70-131	
Alpha Methyl Styrene	10.0	9.070	91	2	25	56-142	
Ethyl methacrylate	10.0	11.04	110	1	25	67-130	
sec-Butylbenzene	10.0	9.935	99	1	25	66-141	
N-Propylbenzene	10.0	9.800	98	1	25	70-130	
Ethyl tert-butyl ether	10.0	12.49	125	2	25	64-131	
di-Isopropyl ether	10.0	11.23	112	2	25	70-130	
Cyclohexane	10.0	11.63	116	2	25	70-130	
Acrolein	10.0	11.42	114	2	25	70-135	
Ethanol	10.0	8.853	89	6	25	38-150	
p-Isopropyltoluene	10.0	9.666	97	0	25	60-148	
Ethyl acrylate	10.0	9.680	97	0	25	71-126	
Tert-amyl methyl ether	10.0	12.26	123	0	25	78-124	
Vinyl acetate	10.0	12.47	125	1	25	70-151	
tert-Butylbenzene	10.0	10.22	102	1	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 Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Lab File ID: 7N27X08.D Lab Sample ID: MB 410-446866/8

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

Instrument ID: HP8R004 Date Analyzed: 11/27/2023 10:39

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 410-446866/5	7N27X05.D	11/27/2023 09:32
	LCSD 410-446866/6	7N27X06.D	11/27/2023 09:54
506	410-152422-1	7N27X13.D	11/27/2023 12:38

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-446866/8

Matrix: Air Lab File ID: 7N27X08.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 11/27/2023 10:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 446866 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		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40
56-23-5	Carbon tetrachloride	ND		1.0	0.14

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-446866/8

Matrix: Air Lab File ID: 7N27X08.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 11/27/2023 10:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 446866 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 410-446866/8

Matrix: Air Lab File ID: 7N27X08.D

Analysis Method: TO-15 Date Collected:

Sample wt/vol: 200(mL) Date Analyzed: 11/27/2023 10:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 446866 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.50
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X08.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 27-Nov-2023 10:39:16 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 410-0100316-008
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 28-Nov-2023 08:53:03 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: MLX9 Date: 27-Nov-2023 13:41:23

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	5.587	5.587	0.000	93	98856	10.0	10.0	
$ 104 1,2-Dichloroethane-d4 (Surr)	65	6.149	6.150	0.003	0	130026	10.0	9.65	
* 50 1,4-Difluorobenzene	114	6.566	6.566	0.000	94	355659	10.0	10.0	
$ 103 Toluene-d8 (Surr)	98	8.031	8.027	0.003	93	423574	10.0	10.1	
* 68 Chlorobenzene-d5 (IS)	117	9.609	9.606	0.003	86	362646	10.0	10.0	
$ 110 BFB									

QC Flag Legend

Processing Flags

Reagents:

AIRIS200 ppb_00257 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 28-Nov-2023 08:55:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X08.D

Injection Date: 27-Nov-2023 10:39:16 Instrument ID: HP8R004

Lims ID: MB

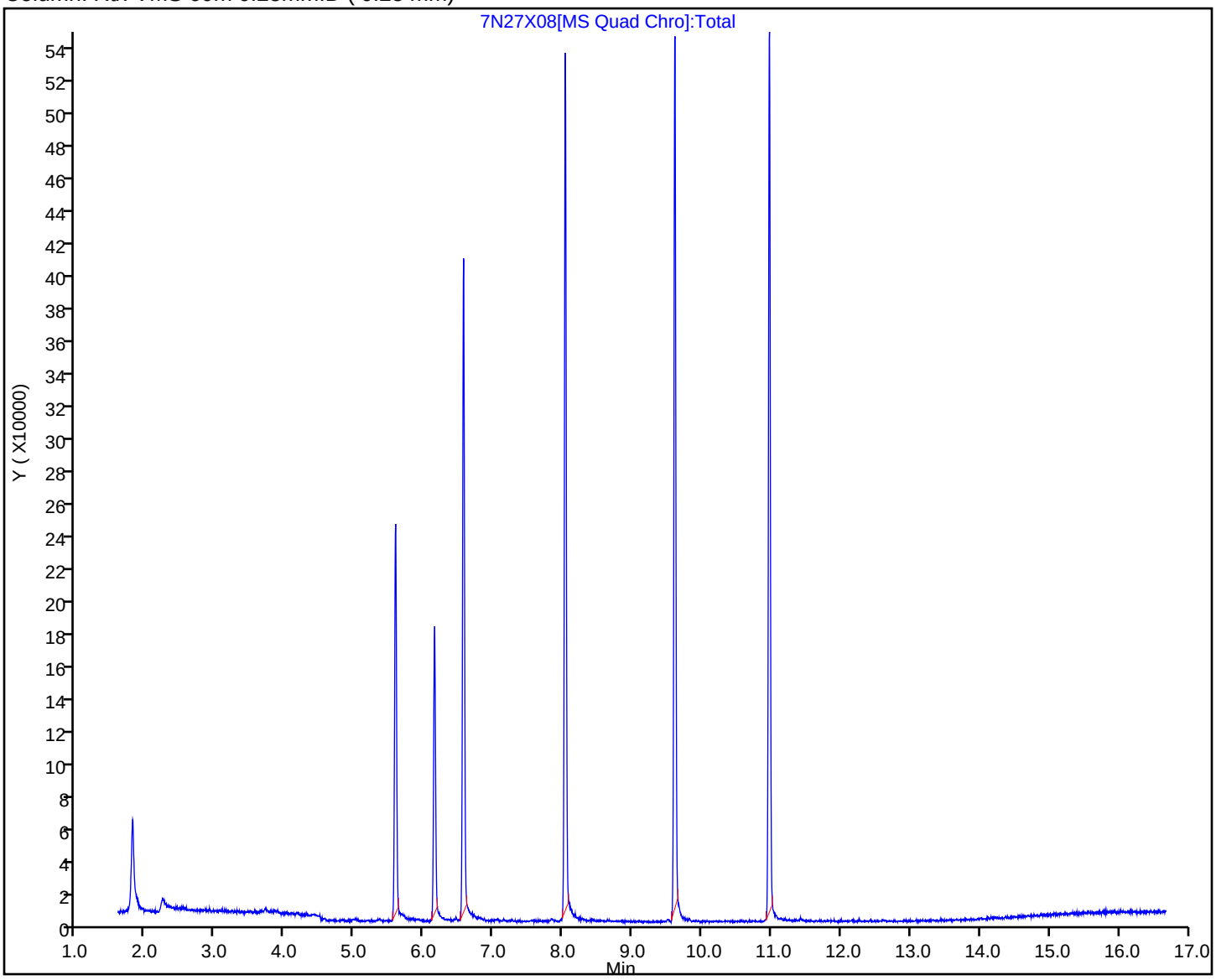
Client ID:

Operator ID: bcb85445 ALS Bottle#: 0 Worklist Smp#: 8

Purge Vol: 200.000 mL Dil. Factor: 1.0000

Method: AirMS_HP8R004 Limit Group: MSV - TO15

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



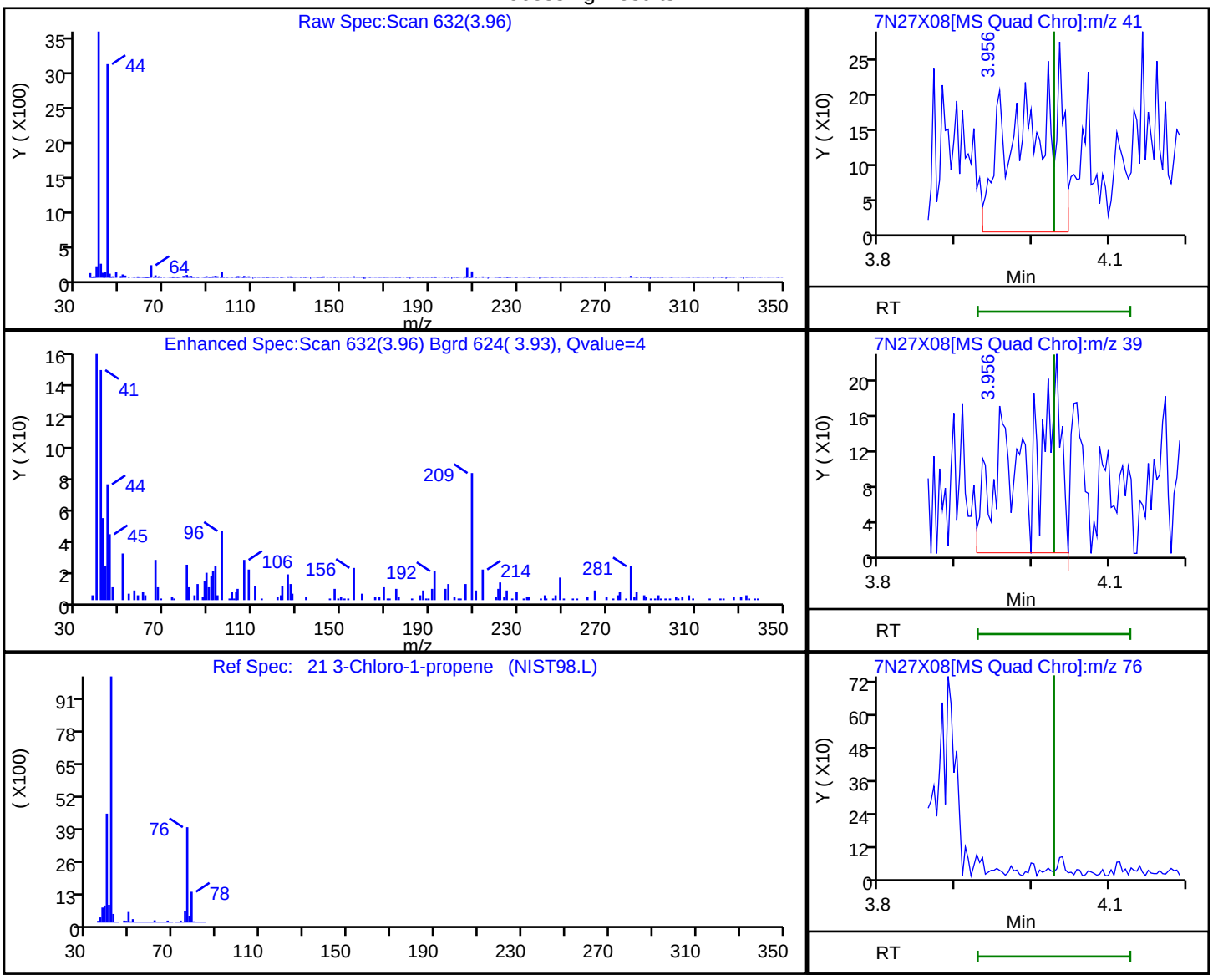
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X08.D				
Injection Date:	27-Nov-2023 10:39:16	Instrument ID:	HP8R004		
Lims ID:	MB				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
3.96	41.00	913	0.100010
3.96	39.00	750	
4.03	76.00	0	

Reviewer: MLX9, 27-Nov-2023 13:40:52 -05:00:00 (UTC)

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

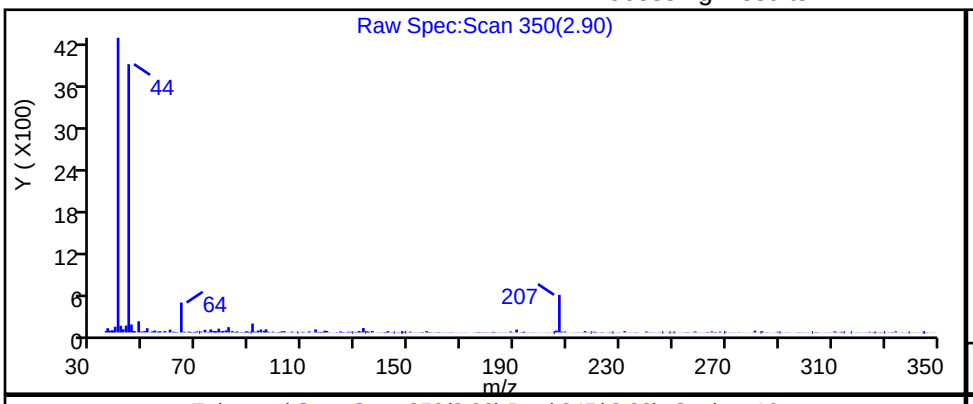
User Disabled Compound Report

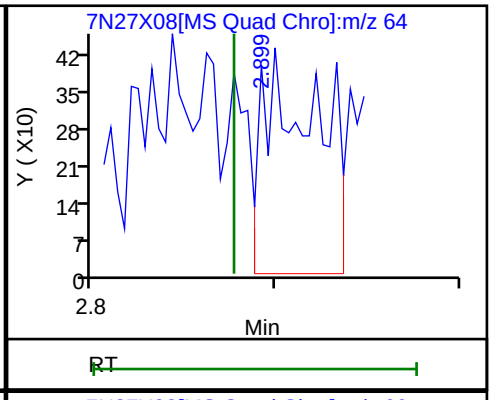
Eurofins Lancaster Laboratories Environment Testing, LLC

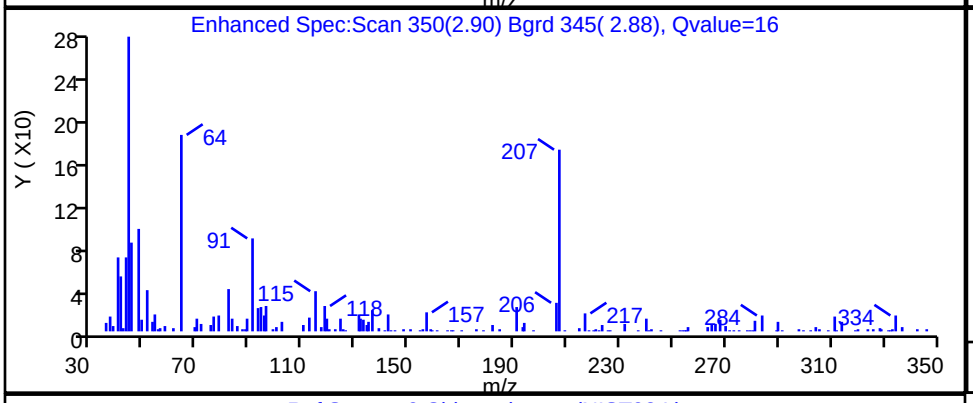
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X08.D				
Injection Date:	27-Nov-2023 10:39:16	Instrument ID:	HP8R004		
Lims ID:	MB				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

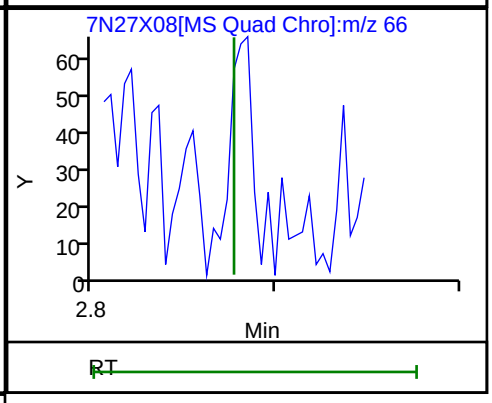
9 Chloroethane, CAS: 75-00-3

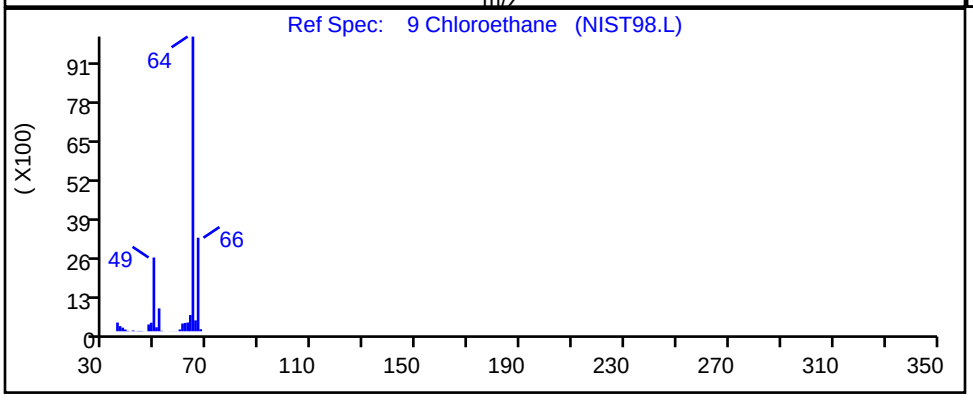
Processing Results











RT	Mass	Response	Amount
2.90	64.00	862	0.176208
2.88	66.00	0	

Reviewer: MLX9, 27-Nov-2023 13:41:16 -05:00:00 (UTC)

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

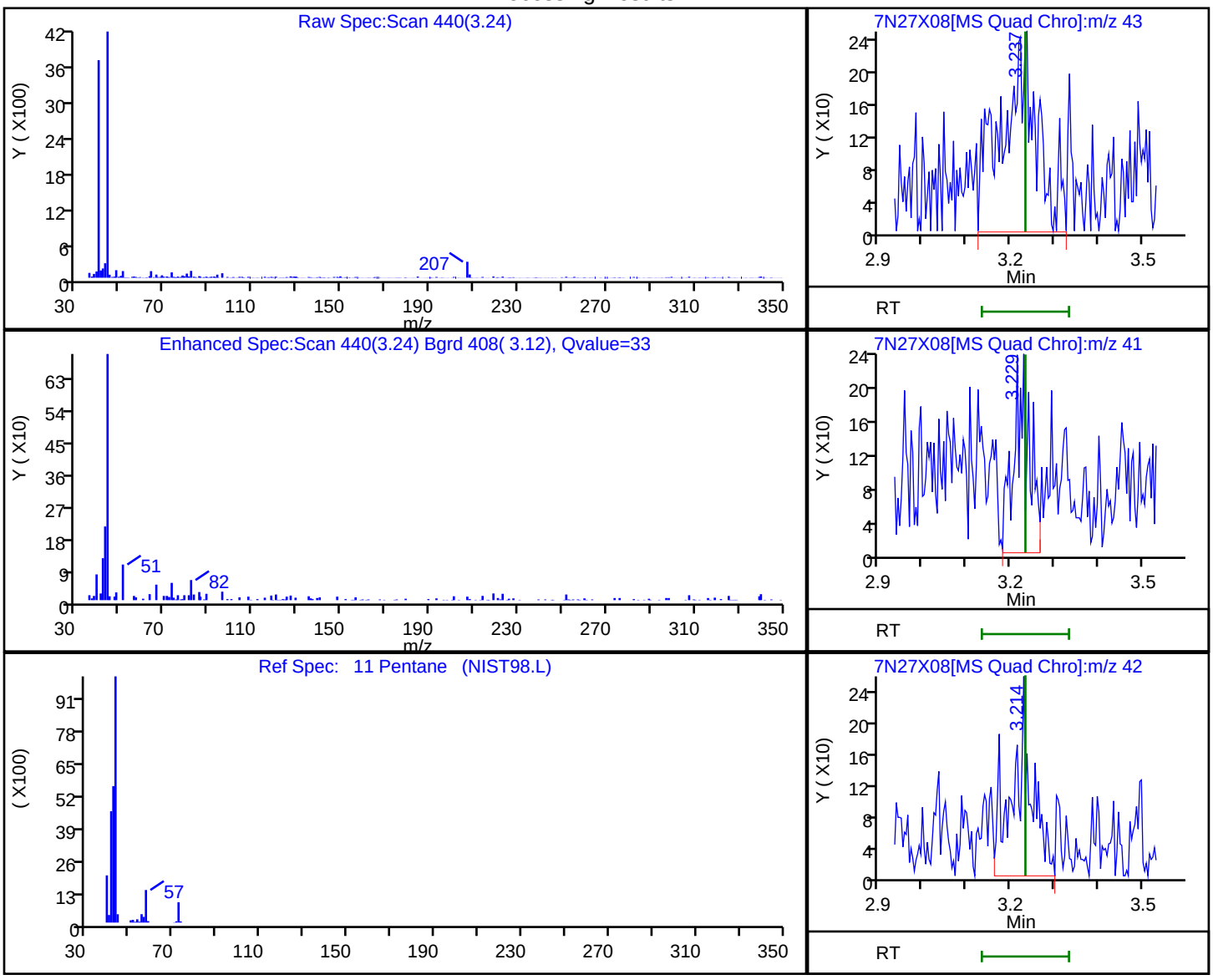
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X08.D				
Injection Date:	27-Nov-2023 10:39:16	Instrument ID:	HP8R004		
Lims ID:	MB				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

11 Pentane, CAS: 109-66-0

Processing Results



RT	Mass	Response	Amount
3.24	43.00	1367	0.111198
3.23	41.00	536	
3.21	42.00	725	

Reviewer: MLX9, 27-Nov-2023 13:41:10 -05:00:00 (UTC)

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

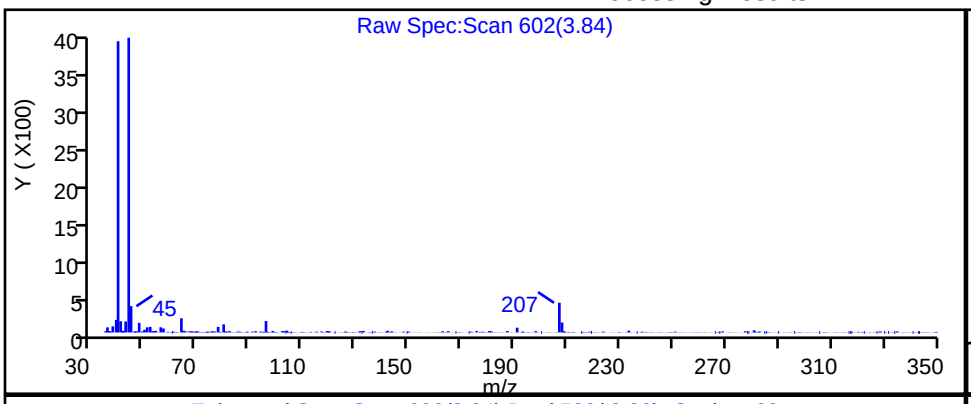
User Disabled Compound Report

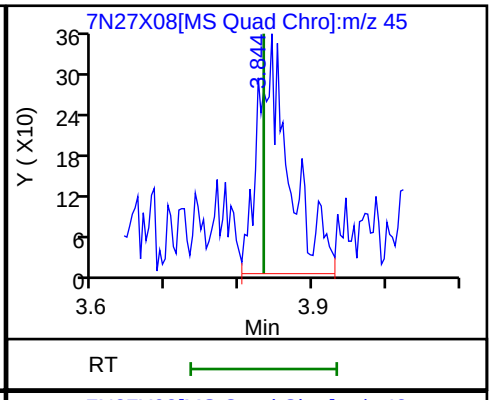
Eurofins Lancaster Laboratories Environment Testing, LLC

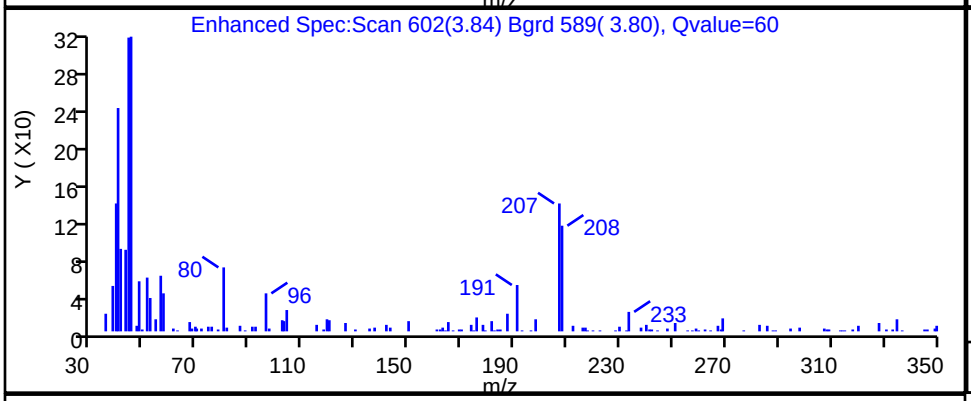
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X08.D				
Injection Date:	27-Nov-2023 10:39:16	Instrument ID:	HP8R004		
Lims ID:	MB				
Client ID:					
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

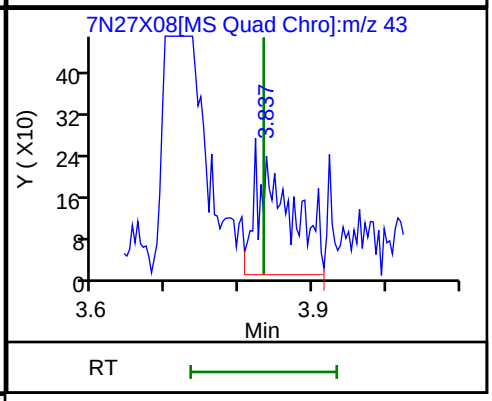
20 Isopropyl alcohol, CAS: 67-63-0

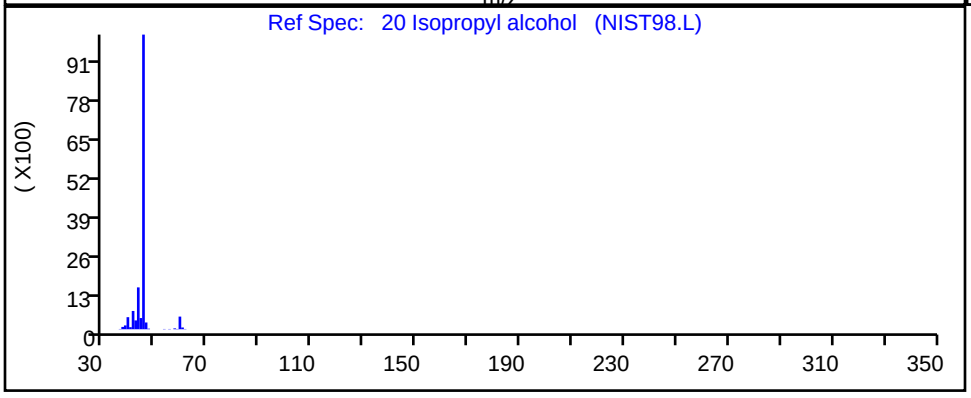
Processing Results











RT	Mass	Response	Amount
3.84	45.00	1029	0.154202
3.84	43.00	810	

Reviewer: MLX9, 27-Nov-2023 13:40:58 -05:00:00 (UTC)

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

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Lab File ID: 7O19T01.D BFB Injection Date: 10/19/2023

Instrument ID: HP8R004 BFB Injection Time: 14:11

Analysis Batch No.: 433347

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	16.5	
75	30.0 - 66.0% of mass 95	47.7	
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	0.2	(0.3) 1
174	50.0 - 120.0% of mass 95	69.1	
175	4.0 - 9.0 % of mass 174	5.0	(7.3) 1
176	93.0 - 101.0% of mass 174	66.3	(95.9) 1
177	5.0 - 9.0% of mass 176	4.4	(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
	ICISAV 410-433347/3	7O19X03.D	10/19/2023	15:19
	IC 410-433347/4	7O19X04.D	10/19/2023	15:41
	IC 410-433347/5	7O19X05.D	10/19/2023	16:03
	IC 410-433347/6	7O19X06.D	10/19/2023	16:25
	IC 410-433347/7	7O19X09.D	10/19/2023	16:48
	IC 410-433347/8	7O19X10.D	10/19/2023	17:10
	IC 410-433347/9	7O19X13.D	10/19/2023	17:32
	IC 410-433347/10	7O19X14.D	10/19/2023	17:54
	ICV 410-433347/15	7O19X19.D	10/19/2023	19:45

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Lab File ID: 7N27T01.D BFB Injection Date: 11/27/2023

Instrument ID: HP8R004 BFB Injection Time: 07:47

Analysis Batch No.: 446866

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	8.0 - 40.0% of mass 95	14.4	
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	7.6	
173	Less than 2.0% of mass 174	0.2	(0.3) 1
174	50.0 - 120.0% of mass 95	68.9	
175	4.0 - 9.0 % of mass 174	5.0	(7.3) 1
176	93.0 - 101.0% of mass 174	66.9	(97.2) 1
177	5.0 - 9.0% of mass 176	4.7	(7.0) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 410-446866/3	7N27X03.D	11/27/2023	8:48
	LCS 410-446866/5	7N27X05.D	11/27/2023	9:32
	LCSD 410-446866/6	7N27X06.D	11/27/2023	9:54
	MB 410-446866/8	7N27X08.D	11/27/2023	10:39
506	410-152422-1	7N27X13.D	11/27/2023	12:38

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Instrument I HP8R004 Calibration Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calibration End Date: 10/19/2023 17:54

Calibration ID: 54947

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MEAN AREA AND MEAN RT		116277	5.59	465280	6.56	481222	9.61
UPPER LIMIT		162788	5.89	651392	6.86	673711	9.91
LOWER LIMIT		69766	5.29	279168	6.26	288733	9.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 410-433347/15		125630	5.59	509385	6.57	494008	9.60
CCVIS 410-446866/3		114262	5.59	460105	6.57	426843	9.61

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
AIR - GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Sample No.: CCVIS 410-446866/3 Date Analyzed: 11/27/2023 08:48

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm)

Lab File ID (Standard): 7N27X03.D Heated Purge: (Y/N) N

Calibration ID: 54947

		CBM		DFBZ		CBZd5	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		114262	5.59	460105	6.57	426843	9.61
UPPER LIMIT		159967	5.89	644147	6.87	597580	9.91
LOWER LIMIT		68557	5.29	276063	6.27	256106	9.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 410-446866/5		99793	5.59	415991	6.56	385624	9.61
LCSD 410-446866/6		100114	5.59	418434	6.56	388525	9.61
MB 410-446866/8		98856	5.59	355659	6.57	362646	9.61
410-152422-1	506	103740	5.58	364088	6.56	380047	9.60

CBM = Chlorobromomethane (IS)
CBM = Chlorobromomethane (IS)
DFBZ = 1,4-Difluorobenzene
DFBZ = 1,4-Difluorobenzene
Area Limit = 60%-140% of internal standard area
CBZd5 = Chlorobenzene-d5 (IS)
RT Limit = ± 0.3 minutes of internal standard RT
CBZd5 = Chlorobenzene-d5 (IS)
# Column used to flag values outside QC limits

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Client Sample ID: 506 Lab Sample ID: 410-152422-1

Matrix: Air Lab File ID: 7N27X13.D

Analysis Method: TO-15 Date Collected: 11/27/2023 08:58

Sample wt/vol: 200(mL) Date Analyzed: 11/27/2023 12:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 446866 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		2.0	0.50
542-75-6	1,3-Dichloropropene, Total	ND		1.0	0.10
107-05-1	3-Chloroprene	ND		1.0	0.20
622-96-8	4-Ethyltoluene	ND		1.0	0.18
108-10-1	4-Methyl-2-pentanone	ND		1.0	0.15
67-64-1	Acetone	ND		5.0	1.0
71-43-2	Benzene	ND		1.0	0.11
108-86-1	Bromobenzene	ND		1.0	0.20
75-27-4	Bromodichloromethane	ND		1.0	0.40
75-25-2	Bromoform	ND		1.0	0.40
74-83-9	Bromomethane	ND		1.0	0.20
75-15-0	Carbon disulfide	ND		1.0	0.40
56-23-5	Carbon tetrachloride	ND		1.0	0.14

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Client Sample ID: 506 Lab Sample ID: 410-152422-1

Matrix: Air Lab File ID: 7N27X13.D

Analysis Method: TO-15 Date Collected: 11/27/2023 08:58

Sample wt/vol: 200(mL) Date Analyzed: 11/27/2023 12:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 446866 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-90-7	Chlorobenzene	ND		1.0	0.13
75-45-6	Chlorodifluoromethane	ND		1.0	0.40
75-00-3	Chloroethane	ND		1.0	0.30
67-66-3	Chloroform	ND		1.0	0.092
74-87-3	Chloromethane	ND		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.20
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.10
593-60-2	Bromoethene	ND		1.0	0.18
98-82-8	Cumene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.40
74-95-3	Dibromomethane	ND		1.0	0.14
75-71-8	Dichlorodifluoromethane	ND		1.0	0.13
75-43-4	Dichlorofluoromethane	ND		1.0	0.11
100-41-4	Ethylbenzene	ND		1.0	0.19
76-13-1	Freon 113	ND		1.0	0.20
76-14-2	Freon-114	ND		1.0	0.12
142-82-5	Heptane	ND		1.0	0.23
67-72-1	Hexachloroethane	ND		2.0	0.27
110-54-3	Hexane	ND		1.0	0.30
540-84-1	Isooctane	ND		1.0	0.40
179601-23-1	m&p-Xylene	ND		1.0	0.26
1634-04-4	Methyl t-butyl ether	ND		1.0	0.15
75-09-2	Methylene Chloride	ND		2.0	0.25
95-47-6	o-Xylene	ND		1.0	0.19
111-65-9	Octane	ND		2.0	0.40
109-66-0	Pentane	ND		1.0	0.20
100-42-5	Styrene	ND		1.0	0.20
127-18-4	Tetrachloroethene	ND		2.0	0.25
108-88-3	Toluene	ND		1.0	0.40
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.20
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.12
79-01-6	Trichloroethene	ND		1.0	0.18
75-69-4	Trichlorofluoromethane	ND		1.0	0.15

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Client Sample ID: 506 Lab Sample ID: 410-152422-1

Matrix: Air Lab File ID: 7N27X13.D

Analysis Method: TO-15 Date Collected: 11/27/2023 08:58

Sample wt/vol: 200(mL) Date Analyzed: 11/27/2023 12:38

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-VMS 60m ID: 0.25(mm)

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

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

Analysis Batch No.: 446866 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	ND		1.0	0.12
67-63-0	Isopropanol	ND		1.0	0.50
91-20-3	Naphthalene	ND		2.0	1.0
1330-20-7	Xylenes, Total	ND		2.0	0.19
96-33-3	Methyl acrylate	ND		1.0	0.20
109-99-9	Tetrahydrofuran	ND		1.0	0.24
141-78-6	Ethyl acetate	ND		2.0	0.25
80-62-6	Methyl methacrylate	ND		1.0	0.15
75-65-0	tert-Butyl alcohol	ND		1.0	0.21
100-44-7	Benzyl chloride	ND		2.0	0.30
87-68-3	Hexachlorobutadiene	ND		2.0	0.47
104-51-8	n-Butylbenzene	ND		2.0	0.26
95-49-8	2-Chlorotoluene	ND		1.0	0.22
75-05-8	Acetonitrile	ND		5.0	0.83
115-07-1	Propene	ND		1.0	0.30
123-91-1	1,4-Dioxane	ND		1.0	0.17
74-88-4	Iodomethane	ND		1.0	0.20
107-13-1	Acrylonitrile	ND		1.0	0.20
98-83-9	Alpha Methyl Styrene	ND		1.0	0.20
97-63-2	Ethyl methacrylate	ND		1.0	0.19
135-98-8	sec-Butylbenzene	ND		2.0	0.39
103-65-1	N-Propylbenzene	ND		1.0	0.21
637-92-3	Ethyl tert-butyl ether	ND		1.0	0.15
108-20-3	di-Isopropyl ether	ND		1.0	0.15
110-82-7	Cyclohexane	ND		1.0	0.20
107-02-8	Acrolein	ND		5.0	0.62
64-17-5	Ethanol	ND		5.0	2.0
99-87-6	p-Isopropyltoluene	ND		2.0	0.28
140-88-5	Ethyl acrylate	ND		1.0	0.16
994-05-8	Tert-amyl methyl ether	ND		1.0	0.11
108-05-4	Vinyl acetate	ND		1.0	0.16
98-06-6	tert-Butylbenzene	ND		5.0	0.76

Eurofins Lancaster Laboratories Environment Testing, LLC
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X13.D
Lims ID: 410-152422-A-1
Client ID: 506
Sample Type: Client
Inject. Date: 27-Nov-2023 12:38:49 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 200.000 mL Dil. Factor: 1.0000
Sample Info: 506
Misc. Info.: 410-0100316-013
Operator ID: bcb85445 Instrument ID: HP8R004

Method: \\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\AirMS_HP8R004.m
Limit Group: MSV - TO15
Last Update: 28-Nov-2023 08:53:03 Calib Date: 19-Oct-2023 17:54:23
Integrator: Falcon ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Lancaster\ChromData\HP8R004\20231019-97102.b\7O19X14.D

Column 1 : Rtx-VMS 60m 0.25mmID (0.25 mm) Det: MS Quad
Process Host: CTX1643

First Level Reviewer: MLX9 Date: 27-Nov-2023 14:30:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
23 Acetone	43	3.716	3.716	0.011	98	8869	0.7212	a
20 Isopropyl alcohol	45	3.836	3.835	0.003	93	1160	0.1656	
* 35 Chlorobromomethane (IS)	130	5.583	5.587	-0.004	93	103740	10.0	
* 50 1,4-Difluorobenzene	114	6.562	6.566	-0.004	94	364088	10.0	
* 68 Chlorobenzene-d5 (IS)	117	9.602	9.606	-0.004	86	380047	10.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

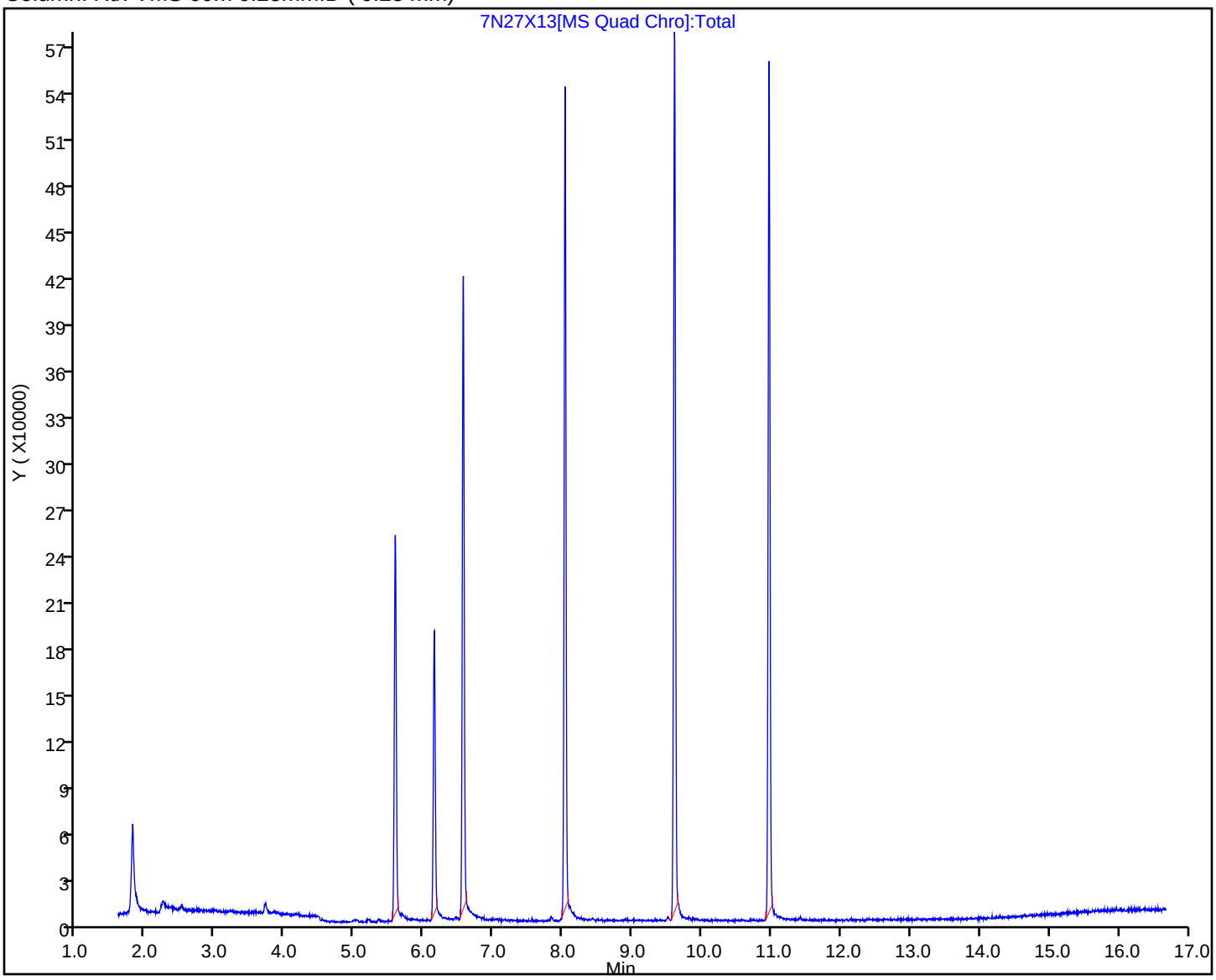
AIRIS200 ppb_00257 Amount Added: 10.00 Units: mL Run Reagent

Report Date: 28-Nov-2023 08:55:04 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X13.D				
Injection Date:	27-Nov-2023 12:38:49	Instrument ID:	HP8R004		
Lims ID:	410-152422-A-1	Lab Sample ID:	410-152422-1		
Client ID:	506				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		

Column: Rtx-VMS 60m 0.25mmID (0.25 mm)



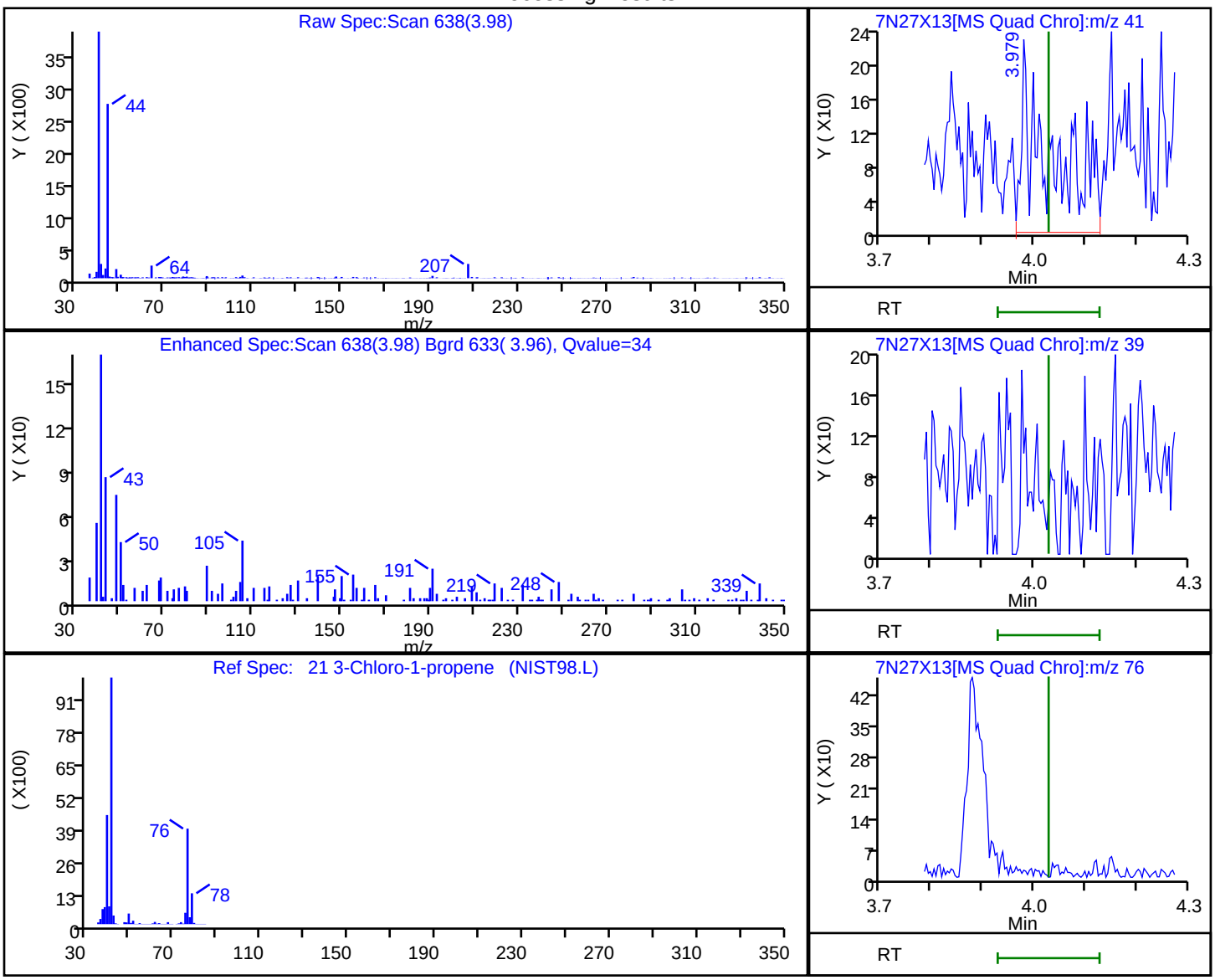
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X13.D				
Injection Date:	27-Nov-2023 12:38:49	Instrument ID:	HP8R004		
Lims ID:	410-152422-A-1	Lab Sample ID:	410-152422-1		
Client ID:	506				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

21 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
3.98	41.00	815	0.085072
4.03	39.00	0	
4.03	76.00	0	

Reviewer: MLX9, 27-Nov-2023 14:27:29 -05:00:00 (UTC)

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

Manual Integration/User Assign Peak Report

Eurofins Lancaster Laboratories Environment Testing, LLC

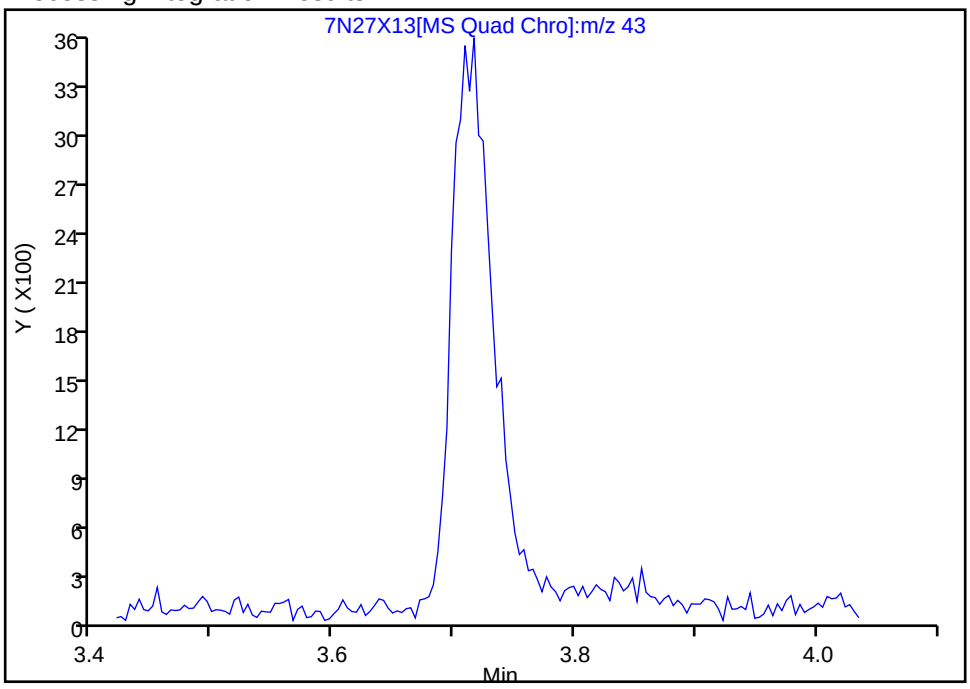
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Injection Date:	27-Nov-2023 12:38:49	Instrument ID:	HP8R004		
Lims ID:	410-152422-A-1	Lab Sample ID:	410-152422-1		
Client ID:	506				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

23 Acetone, CAS: 67-64-1

Signal: 1

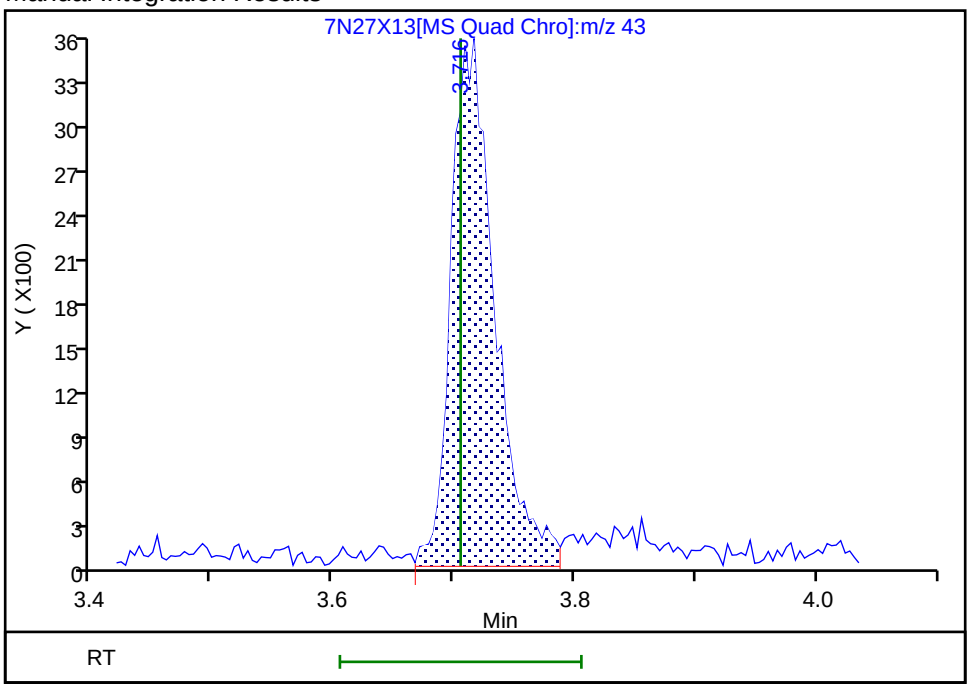
Not Detected
Expected RT: 3.71

Processing Integration Results



Manual Integration Results

RT: 3.72
Area: 8869
Amount: 0.721219
Amount Units: ppb v/v



Reviewer: MLX9, 28-Nov-2023 08:48:48 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

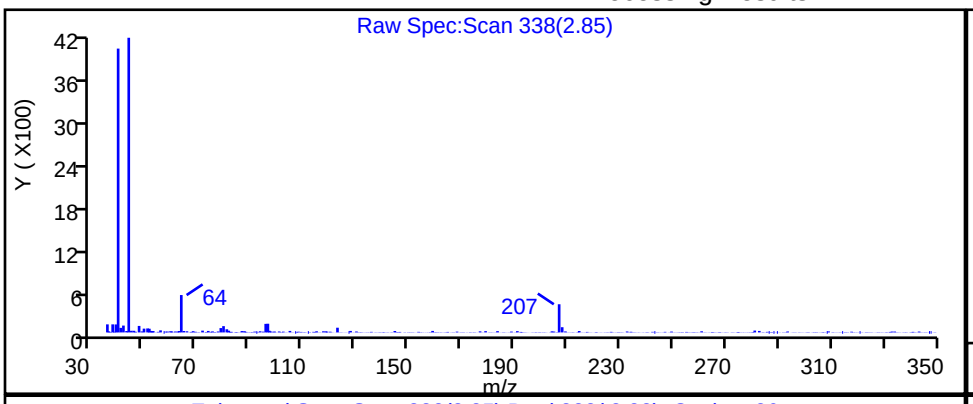
User Disabled Compound Report

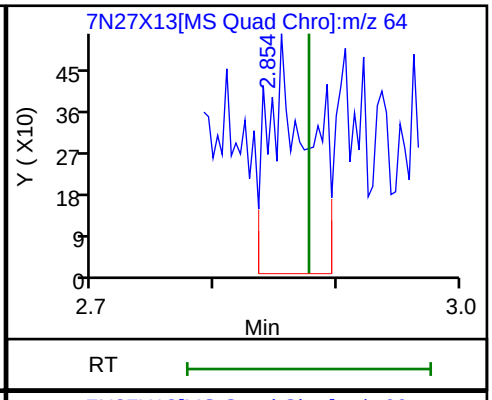
Eurofins Lancaster Laboratories Environment Testing, LLC

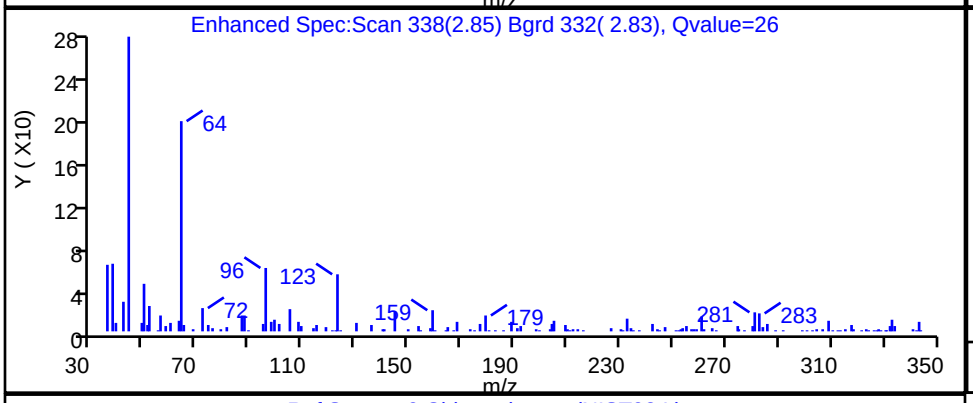
Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X13.D				
Injection Date:	27-Nov-2023 12:38:49	Instrument ID:	HP8R004		
Lims ID:	410-152422-A-1	Lab Sample ID:	410-152422-1		
Client ID:	506				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

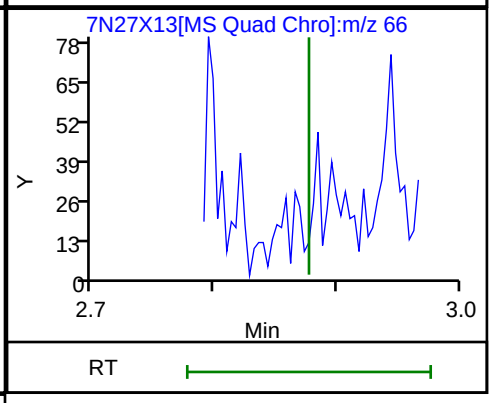
9 Chloroethane, CAS: 75-00-3

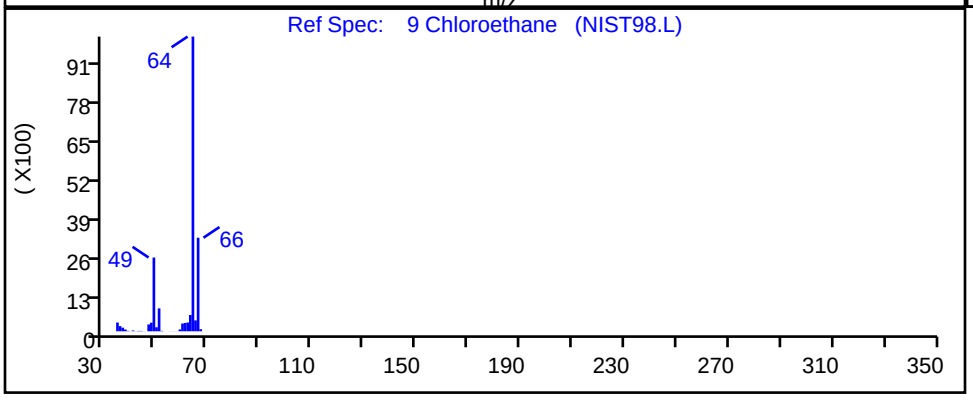
Processing Results











RT	Mass	Response	Amount
2.85	64.00	1137	0.221481
2.88	66.00	0	

Reviewer: MLX9, 27-Nov-2023 14:27:26 -05:00:00 (UTC)

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

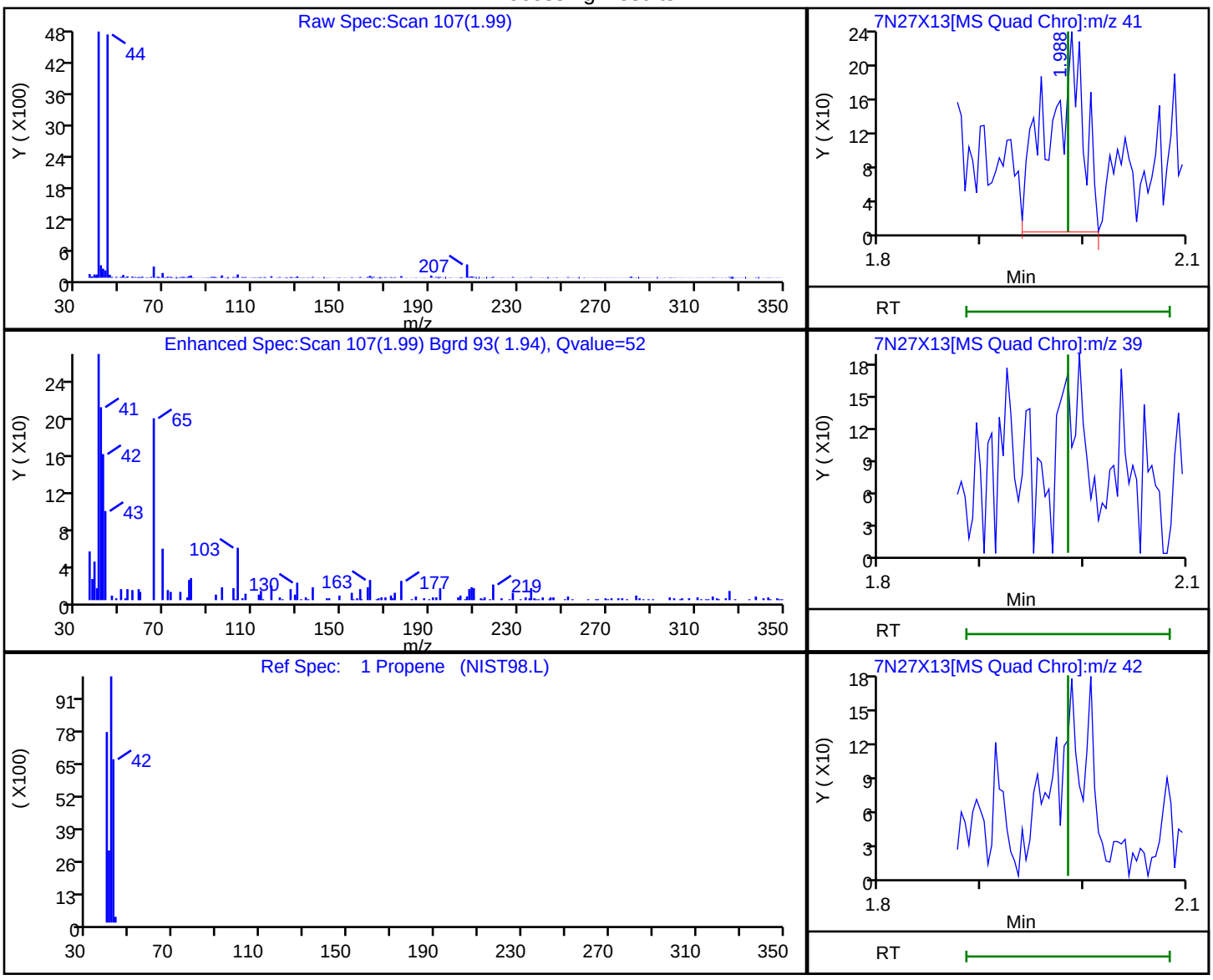
User Disabled Compound Report

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File:	\\chromfs\Lancaster\ChromData\HP8R004\20231127-100316.b\7N27X13.D				
Injection Date:	27-Nov-2023 12:38:49	Instrument ID:	HP8R004		
Lims ID:	410-152422-A-1	Lab Sample ID:	410-152422-1		
Client ID:	506				
Operator ID:	bcb85445	ALS Bottle#:	0	Worklist Smp#:	13
Purge Vol:	200.000 mL	Dil. Factor:	1.0000		
Method:	AirMS_HP8R004	Limit Group:	MSV - TO15		
Column:	Rtx-VMS 60m 0.25mmID (0.25 mm)	Detector	MS Quad		

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
1.99	41.00	560	0.093772
1.98	39.00	0	
1.98	42.00	0	

Reviewer: MLX9, 27-Nov-2023 14:27:24 -05:00:00 (UTC)

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 Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-433347/8	7O19X10.D
Level 2	IC 410-433347/7	7O19X09.D
Level 3	IC 410-433347/6	7O19X06.D
Level 4	IC 410-433347/5	7O19X05.D
Level 5	IC 410-433347/4	7O19X04.D
Level 6	ICISAV 410-433347/3	7O19X03.D
Level 7	IC 410-433347/9	7O19X13.D
Level 8	IC 410-433347/10	7O19X14.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	0.6731 0.5424	0.5854 0.5370	0.6063 0.5533	0.5674	0.5404	Ave		0.5757				8.0		30.0			
Dichlorodifluoromethane	2.0028 2.2181	2.2172 2.2211	2.1129 2.1727	2.2503	2.1792	Ave		2.1718				3.7		30.0			
Chlorodifluoromethane	1.1718 1.2288	1.3267 1.2151	1.2024 1.2079	1.2665	1.1809	Ave		1.2250				4.1		30.0			
Freon-114	2.7425 2.3437	2.4910 2.3355	2.6400 2.3529	2.4577	2.3516	Ave		2.4644				6.2		30.0			
Chloromethane	0.8762 0.6851	0.8195 0.6821	0.7361 0.6690	0.6974	0.6842	Ave		0.7312				10.4		30.0			
Vinyl chloride	0.8693 0.8073	0.8061 0.8245	0.6631 0.8098	0.7808	0.8071	Ave		0.7960				7.5		30.0			
1,3-Butadiene	0.4466 0.5315	0.5306 0.5388	0.4907 0.5843	0.4948	0.5065	Ave		0.5155				7.9		30.0			
Bromomethane	0.6761 0.7548	0.7918 0.7657	0.6426 0.7444	0.7554	0.7303	Ave		0.7326				6.7		30.0			
Chloroethane	0.7754 0.4408	0.4737 0.4272	0.4481 0.4112	0.5161	0.4664	Ave		0.4949				23.8		30.0			
Bromoethene	0.6229 0.7273	0.6659 0.7822	0.6423 0.7936	0.6947	0.7066	Ave		0.7044				8.8		30.0			
Dichlorofluoromethane	1.4579 1.8408	1.7229 1.8409	1.7288 1.8398	1.8027	1.7692	Ave		1.7504				7.3		30.0			
Trichlorofluoromethane	2.7211 2.2083	2.3855 2.2696	2.7017 2.1592	2.4587	2.1645	Ave		2.3836				9.6		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Pentane	1.5920 1.1116	1.3846 1.1663	1.2347 1.2429	1.1503	1.0661	Ave		1.2436				13.8		30.0			
Ethanol	+++++ 0.1794	0.1628 0.1579	0.2282 0.1720	0.1911	0.1715	Ave		0.1804				13.1		30.0			
Acrolein	0.3825 0.2616	0.2720 0.2711	0.2591 0.2945	0.2756	0.2401	Ave		0.2821				15.4		30.0			
1,1-Dichloroethene	1.1266 1.2694	1.1898 1.2864	1.2297 1.3152	1.1890	1.1786	Ave		1.2231				5.2		30.0			
Freon 113	1.6914 1.3104	1.5404 1.3467	1.6425 1.2360	1.4957	1.2683	Ave		1.4414				12.1		30.0			
Acetone	1.6814 1.0672	1.2670 1.0592	1.1668 1.0713	1.1259	1.0443	Ave		1.1854				18.0		30.0			
Iodomethane	1.3993 1.8092	1.7265 2.0238	1.7948 1.9013	1.7712	1.7522	Ave		1.7723				10.1		30.0			
Isopropanol	0.9423 0.6811	0.7221 0.5169	0.7034 0.6401	0.6031	0.5912	Ave		0.6750				18.8		30.0			
Carbon disulfide	2.1960 2.4480	2.3096 2.4642	2.3067 2.3843	2.2710	2.2642	Ave		2.3305				4.0		30.0			
Acetonitrile	0.6507 0.4971	0.5161 0.5340	0.5444 0.4604	0.4990	0.4921	Ave		0.5242				10.9		30.0			
3-Chloroprene	0.9195 0.9151	1.0043 0.9313	0.8232 1.0543	0.8698	0.8703	Ave		0.9235				8.1		30.0			
Methylene Chloride	0.8459 0.8212	0.8730 0.8221	0.8444 0.8048	0.8348	0.7607	Ave		0.8259				4.0		30.0			
tert-Butyl alcohol	0.7148 0.6441	0.5829 0.6353	0.6947 0.7617	0.6601	0.5775	Ave		0.6589				9.6		30.0			
Acrylonitrile	0.7391 0.6528	0.7107 0.6838	0.6625 0.6953	0.6743	0.6290	Ave		0.6809				5.1		30.0			
Methyl t-butyl ether	2.0341 1.9631	1.8503 2.1941	1.8297 2.3099	1.8516	1.8287	Ave		1.9827				9.3		30.0			
trans-1,2-Dichloroethene	1.2105 1.2162	1.1559 1.2511	1.1957 1.2827	1.1587	1.1352	Ave		1.2007				4.2		30.0			
Hexane	0.7386 0.6058	0.6369 0.6752	0.7147 0.6593	0.6463	0.5878	Ave		0.6581				7.8		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Vinyl acetate	0.1720 0.1810	0.1641 0.1945	0.1817 0.2179	0.1645	0.1571	Ave		0.1791				11.0		30.0			
1,1-Dichloroethane	1.8285 1.5804	1.6507 1.6093	1.8375 1.5955	1.6261	1.5104	Ave		1.6548				7.1		30.0			
di-Isopropyl ether	2.3724 2.5032	2.1010 2.7852	2.2745 2.7719	2.3258	2.2762	Ave		2.4263				10.1		30.0			
Ethyl tert-butyl ether	1.7490 2.0914	1.7436 2.3418	1.9055 2.5569	1.9711	1.9085	Ave		2.0335				14.1		30.0			
2-Butanone	0.3760 0.3971	0.3731 0.4097	0.4026 0.4388	0.4164	0.3683	Ave		0.3978				6.1		30.0			
cis-1,2-Dichloroethene	1.5111 1.4388	1.3925 1.4854	1.5364 1.5294	1.3794	1.3239	Ave		1.4496				5.4		30.0			
Ethyl acetate	0.2364 0.2113	0.2148 0.2249	0.2443 0.2272	0.2114	0.2054	Ave		0.2220				6.1		30.0			
Methyl acrylate	1.3869 1.3209	1.2054 1.4723	1.3635 1.5229	1.2900	1.2121	Ave		1.3468				8.5		30.0			
Tetrahydrofuran	0.7987 0.7522	0.7995 0.8419	0.8196 0.8774	0.7979	0.7147	Ave		0.8002				6.3		30.0			
Chloroform	2.2596 1.9560	2.1016 1.9812	2.2839 1.9635	2.0411	1.8834	Ave		2.0588				7.1		30.0			
1,1,1-Trichloroethane	2.2656 1.8454	1.9554 1.9531	2.0101 1.9271	1.9627	1.8303	Ave		1.9687				6.8		30.0			
Cyclohexane	1.2220 1.1977	1.1337 1.3499	1.1472 1.4153	1.1271	1.1075	Ave		1.2126				9.3		30.0			
Carbon tetrachloride	2.1528 1.9042	1.9940 2.0238	2.1889 1.9415	2.0300	1.8728	Ave		2.0135				5.6		30.0			
Benzene	0.9771 0.6864	0.8013 0.7404	0.8491 0.7251	0.7622	0.7060	Ave		0.7810				12.2		30.0			
1,2-Dichloroethane	0.4068 0.3042	0.3455 0.3180	0.3564 0.3099	0.3356	0.3086	Ave		0.3356				10.2		30.0			
Isooctane	0.7502 1.0165	0.8491 1.1006	0.8027 1.1269	0.8509	0.9626	Ave		0.9324				15.0		30.0			
Tert-amyl methyl ether	0.4579 0.5169	0.4568 0.5825	0.4376 0.6233	0.4679	0.4988	Ave		0.5052				13.1		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Heptane	0.2013 0.2278	0.2058 0.2647	0.2126 0.2631	0.2065	0.2175	Ave		0.2249				11.3		30.0			
Trichloroethene	0.4135 0.3030	0.3486 0.3232	0.3774 0.3188	0.3366	0.3141	Ave		0.3419				10.8		30.0			
Ethyl acrylate	0.4381 0.3686	0.4191 0.4542	0.4090 0.4781	0.3701	0.3814	Ave		0.4148				9.7		30.0			
1,2-Dichloropropane	0.4106 0.2598	0.3172 0.2880	0.3425 0.2761	0.2931	0.2753	Ave		0.3078				15.9		30.0			
Methyl methacrylate	0.2436 0.2006	0.2038 0.2474	0.2118 0.2585	0.1962	0.2025	Ave		0.2206				11.3		30.0			
1,4-Dioxane	0.1065 0.1061	0.1008 0.1120	0.1029 0.1186	0.0998	0.1009	Ave		0.1060				6.1		30.0			
Dibromomethane	0.3334 0.2518	0.2796 0.2713	0.2787 0.2568	0.2598	0.2527	Ave		0.2730				9.8		30.0			
Bromodichloromethane	0.6653 0.4881	0.5285 0.5370	0.5710 0.5161	0.5312	0.4945	Ave		0.5415				10.4		30.0			
cis-1,3-Dichloropropene	0.3991 0.3421	0.3884 0.4058	0.3803 0.4354	0.3583	0.3589	Ave		0.3835				7.9		30.0			
4-Methyl-2-pentanone	0.4547 0.3973	0.4003 0.4992	0.4081 0.4909	0.4233	0.4004	Ave		0.4343				9.7		30.0			
Toluene	0.9335 0.8953	0.9084 0.9526	0.9389 0.9465	0.8993	0.8930	Ave		0.9209				2.7		30.0			
Octane	0.4135 0.4911	0.3956 0.5756	0.4333 0.5709	0.4360	0.4704	Ave		0.4733				14.5		30.0			
trans-1,3-Dichloropropene	0.3003 0.3299	0.2730 0.3748	0.3186 0.3945	0.3029	0.3184	Ave		0.3266				12.3		30.0			
Ethyl methacrylate	0.2965 0.3342	0.2812 0.4352	0.2839 0.4544	0.3065	0.3158	Ave		0.3385				20.1		30.0			
1,1,2-Trichloroethane	0.3620 0.3086	0.3420 0.3273	0.3469 0.3197	0.3319	0.3252	Ave		0.3329				5.0		30.0			
Tetrachloroethene	0.4894 0.4002	0.4633 0.4706	0.4331 0.4674	0.4206	0.4173	Ave		0.4452				7.1		30.0			
2-Hexanone	0.3623 0.3769	0.3044 0.4710	0.3504 0.4870	0.3551	0.3463	Ave		0.3817				16.7		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Dibromochloromethane	0.3768 0.3807	0.3411 0.4251	0.3935 0.4209	0.3819	0.3796	Ave		0.3875				6.9		30.0			
1,2-Dibromoethane	0.4342 0.4350	0.4087 0.4881	0.4438 0.4837	0.4475	0.4417	Ave		0.4478				5.9		30.0			
Chlorobenzene	0.7980 0.6848	0.7193 0.7513	0.7626 0.7130	0.7434	0.7018	Ave		0.7343				5.0		30.0			
1,1,1,2-Tetrachloroethane	0.3767 0.3545	0.3348 0.3970	0.3667 0.3750	0.3613	0.3487	Ave		0.3643				5.3		30.0			
Ethylbenzene	0.9373 1.0406	0.9001 1.2338	1.0022 1.1960	0.9770	1.0131	Ave		1.0375				11.4		30.0			
m&p-Xylene	0.6105 0.7957	0.6377 0.9528	0.7102 0.9430	0.7034	0.7565	Ave		0.7637				16.8		30.0			
o-Xylene	0.6338 0.7578	0.5770 0.9205	0.6561 0.9258	0.6558	0.7125	Ave		0.7299				17.9		30.0			
Styrene	0.3636 0.5446	0.3519 0.7062	0.4104 0.6834	0.4234	0.4855	Ave		0.4961				27.7		30.0			
Bromoform	0.3585 0.4014	0.3309 0.4749	0.3851 0.4692	0.3729	0.3882	Ave		0.3976				12.7		30.0			
Cumene	0.7529 1.0378	0.7567 1.2729	0.8339 1.2632	0.8745	0.9685	Ave		0.9701				21.4		30.0			
1,1,2,2-Tetrachloroethane	0.6682 0.6321	0.6359 0.7088	0.6948 0.6673	0.6479	0.6394	Ave		0.6618				4.3		30.0			
Bromobenzene	0.3472 0.3490	0.3498 0.3907	0.3814 0.3839	0.3552	0.3521	Ave		0.3637				5.0		30.0			
1,2,3-Trichloropropane	0.1846 0.1810	0.1991 0.1943	0.2011 0.1850	0.1865	0.1759	Ave		0.1884				4.7		30.0			
N-Propylbenzene	0.2564 0.3021	0.2350 0.3655	0.2673 0.3650	0.2696	0.2865	Ave		0.2934				16.5		30.0			
2-Chlorotoluene	0.2411 0.2740	0.2483 0.3225	0.2502 0.3183	0.2624	0.2736	Ave		0.2738				11.4		30.0			
4-Ethyltoluene	0.7892 1.1044	0.7614 1.3385	0.8543 1.2777	0.9470	1.0404	Ave		1.0141				21.3		30.0			
1,3,5-Trimethylbenzene	0.6518 0.9213	0.6600 1.1006	0.7077 1.0699	0.7976	0.8895	Ave		0.8498				20.7		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
AIR - GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60m ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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								
Alpha Methyl Styrene	0.2667 0.3320	0.2674 0.4606	0.2724 0.4961	0.2873	0.3013	Ave		0.3355				27.2		30.0			
tert-Butylbenzene	0.5648 0.8547	0.5766 1.0100	0.6590 1.0057	0.7185	0.8032	Ave		0.7741				22.7		30.0			
1,2,4-Trimethylbenzene	0.5529 0.8644	0.5582 1.0594	0.6478 1.0340	0.7141	0.8062	Ave		0.7796				25.3		30.0			
sec-Butylbenzene	0.8894 1.2618	0.8903 1.5360	1.0193 1.4815	1.0996	1.1925	Ave		1.1713				21.0		30.0			
1,3-Dichlorobenzene	0.6399 0.5592	0.5958 0.6701	0.6112 0.6372	0.5941	0.5907	Ave		0.6123				5.7		30.0			
p-Isopropyltoluene	0.6558 0.9873	0.6748 1.2520	0.7278 1.2125	0.7967	0.9212	Ave		0.9035				25.8		30.0			
1,4-Dichlorobenzene	0.5976 0.5610	0.5568 0.6901	0.5825 0.6424	0.5924	0.5936	Ave		0.6020				7.3		30.0			
Benzyl chloride	0.0974 0.1151	0.0900 0.1577	0.1026 0.1698	0.1050	0.1120	Ave		0.1187				24.5		30.0			
n-Butylbenzene	0.3520 0.4597	0.3551 0.6160	0.3554 0.6037	0.3883	0.4332	Ave		0.4454				24.4		30.0			
1,2-Dichlorobenzene	0.6171 0.5367	0.5681 0.6477	0.5456 0.5859	0.5486	0.5492	Ave		0.5749				6.9		30.0			
Hexachloroethane	0.2768 0.2977	0.2497 0.2902	0.2928 0.2920	0.2849	0.2901	Ave		0.2843				5.4		30.0			
1,2-Dibromo-3-Chloropropane	0.2842 0.2179	0.2675 0.2715	0.2079 0.2690	0.2146	0.2078	Ave		0.2425				13.7		30.0			
1,2,4-Trichlorobenzene	0.4890 0.3220	0.4799 0.4145	0.3254 0.4201	0.3190	0.3245	Ave		0.3868				18.9		30.0			
Hexachlorobutadiene	0.3949 0.2427	0.4298 0.2842	0.2584 0.2715	0.2490	0.2444	Ave		0.2969				24.7		30.0			
Naphthalene	0.9043 0.6837	0.8200 0.9302	0.5542 0.9705	0.5961	0.6377	Ave		0.7621				21.5		30.0			
1,2-Dichloroethane-d4 (Surr)	1.4468 1.3388	1.3767 1.3197	1.4435 1.2999	1.3706	1.3088	Ave		1.3631				4.2		30.0			
Toluene-d8 (Surr)	1.0984 1.2124	1.1376 1.1888	1.1169 1.2162	1.1304	1.1849	Ave		1.1607				3.9		30.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 410-433347/8	7O19X10.D
Level 2	IC 410-433347/7	7O19X09.D
Level 3	IC 410-433347/6	7O19X06.D
Level 4	IC 410-433347/5	7O19X05.D
Level 5	IC 410-433347/4	7O19X04.D
Level 6	ICISAV 410-433347/3	7O19X03.D
Level 7	IC 410-433347/9	7O19X13.D
Level 8	IC 410-433347/10	7O19X14.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	1355 68407	3276 160552	6200 549510	12575	34163	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Dichlorodifluoromethane	CBM	Ave	4032 279746	12407 664054	21607 2157806	49873	137772	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chlorodifluoromethane	CBM	Ave	2359 154973	7424 363280	12296 1199621	28069	74657	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Freon-114	CBM	Ave	5521 295584	13939 698249	26997 2336758	54469	148667	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chloromethane	CBM	Ave	1764 86408	4586 203942	7528 664377	15455	43258	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Vinyl chloride	CBM	Ave	1750 101808	4511 246515	6781 804261	17305	51024	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,3-Butadiene	CBM	Ave	899 67037	2969 161075	5018 580318	10967	32018	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromomethane	CBM	Ave	1361 95198	4431 228921	6571 739255	16741	46171	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chloroethane	CBM	Ave	1561 55589	2651 127719	4582 408339	11439	29484	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromoethene	CBM	Ave	1254 91730	3726 233847	6568 788158	15396	44672	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Dichlorofluoromethane	CBM	Ave	2935 232150	9641 550372	17679 1827156	39952	111851	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Trichlorofluoromethane	CBM	Ave	5478 278509	13349 678555	27628 2144402	54490	136842	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Pentane	CBM	Ave	3205 140190	7748 348694	12626 1234343	25494	67400	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Ethanol	CBM	Ave	+++++ 22629	911 47223	2334 170781	4236	10840	+++++ 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Acrolein	CBM	Ave	770	1522	2650	6109	15178	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			32998	81044	292438			10.0	25.0	75.0		
1,1-Dichloroethene	CBM	Ave	2268	6658	12575	26351	74508	0.200	0.500	1.00	2.00	5.00
			160089	384609	1306207			10.0	25.0	75.0		
Freon 113	CBM	Ave	3405	8620	16797	33149	80182	0.200	0.500	1.00	2.00	5.00
			165265	402624	1227536			10.0	25.0	75.0		
Acetone	CBM	Ave	3385	7090	11932	24953	66022	0.200	0.500	1.00	2.00	5.00
			134589	316673	1063901			10.0	25.0	75.0		
Iodomethane	CBM	Ave	2817	9661	18354	39253	110772	0.200	0.500	1.00	2.00	5.00
			228173	605063	1888296			10.0	25.0	75.0		
Isopropanol	CBM	Ave	1897	4041	7193	13366	37374	0.200	0.500	1.00	2.00	5.00
			85894	154554	635713			10.0	25.0	75.0		
Carbon disulfide	CBM	Ave	4421	12924	23589	50330	143144	0.200	0.500	1.00	2.00	5.00
			308729	736732	2367961			10.0	25.0	75.0		
Acetonitrile	CBM	Ave	1310	2888	5567	11059	31111	0.200	0.500	1.00	2.00	5.00
			62696	159653	457238			10.0	25.0	75.0		
3-Chloroprene	CBM	Ave	1851	5620	8418	19277	55020	0.200	0.500	1.00	2.00	5.00
			115411	278443	1047034			10.0	25.0	75.0		
Methylene Chloride	CBM	Ave	1703	4885	8635	18502	48091	0.200	0.500	1.00	2.00	5.00
			103572	245791	799269			10.0	25.0	75.0		
tert-Butyl alcohol	CBM	Ave	1439	3262	7104	14629	36507	0.200	0.500	1.00	2.00	5.00
			81232	189930	756516			10.0	25.0	75.0		
Acrylonitrile	CBM	Ave	1488	3977	6775	14945	39763	0.200	0.500	1.00	2.00	5.00
			82326	204438	690544			10.0	25.0	75.0		
Methyl t-butyl ether	CBM	Ave	4095	10354	18711	41035	115612	0.200	0.500	1.00	2.00	5.00
			247581	655993	2294003			10.0	25.0	75.0		
trans-1,2-Dichloroethene	CBM	Ave	2437	6468	12227	25679	71769	0.200	0.500	1.00	2.00	5.00
			153387	374042	1273898			10.0	25.0	75.0		
Hexane	CBM	Ave	1487	3564	7309	14324	37163	0.200	0.500	1.00	2.00	5.00
			76405	201856	654817			10.0	25.0	75.0		
Vinyl acetate	CBM	Ave	381	1010	2044	4010	10928	0.220	0.550	1.10	2.20	5.50
			25115	63982	238086			11.0	27.5	82.5		
1,1-Dichloroethane	CBM	Ave	3681	9237	18791	36039	95489	0.200	0.500	1.00	2.00	5.00
			199316	481143	1584508			10.0	25.0	75.0		
di-Isopropyl ether	CBM	Ave	4776	11757	23260	51545	143904	0.200	0.500	1.00	2.00	5.00
			315700	832706	2752830			10.0	25.0	75.0		
Ethyl tert-butyl ether	CBM	Ave	3521	9757	19486	43685	120654	0.200	0.500	1.00	2.00	5.00
			263756	700146	2539361			10.0	25.0	75.0		
2-Butanone	CBM	Ave	757	2088	4117	9228	23282	0.200	0.500	1.00	2.00	5.00
			50080	122505	435790			10.0	25.0	75.0		
cis-1,2-Dichloroethene	CBM	Ave	3042	7792	15712	30571	83697	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			181457	444111	1518870			10.0	25.0	75.0		
Ethyl acetate	CBM	Ave	476 26650	1202 67235	2498 225640	4685	12984	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Methyl acrylate	CBM	Ave	2792 166585	6745 440186	13943 1512494	28590	76632	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Tetrahydrofuran	CBM	Ave	1608 94868	4474 251722	8381 871357	17683	45183	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chloroform	CBM	Ave	4549 246691	11760 592315	23356 1949995	45236	119071	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,1,1-Trichloroethane	CBM	Ave	4561 232735	10942 583932	20556 1913863	43499	115710	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Cyclohexane	CBM	Ave	2460 151052	6344 403585	11732 1405630	24980	70017	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Carbon tetrachloride	CBM	Ave	4334 240158	11158 605068	22384 1928156	44990	118396	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Benzene	DFBZ	Ave	7705 356956	16600 908486	36130 2922486	69231	171471	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dichloroethane	DFBZ	Ave	3208 158208	7157 390253	15165 1248793	30487	74956	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Isooctane	DFBZ	Ave	5916 528621	17589 1350550	34157 4541639	77288	233776	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Tert-amyl methyl ether	DFBZ	Ave	3611 268813	9463 714746	18620 2511886	42501	121138	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Heptane	DFBZ	Ave	1587 118457	4264 324808	9048 1060200	18757	52831	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Trichloroethene	DFBZ	Ave	3261 157574	7221 396623	16060 1284785	30578	76294	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Ethyl acrylate	DFBZ	Ave	3455 191685	8683 557333	17404 1926918	33620	92621	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dichloropropane	DFBZ	Ave	3238 135104	6572 353380	14575 1112786	26619	66858	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Methyl methacrylate	DFBZ	Ave	1921 104341	4222 303569	9012 1041899	17823	49178	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,4-Dioxane	DFBZ	Ave	840 55178	2089 137430	4377 478058	9068	24503	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Dibromomethane	DFBZ	Ave	2629 130969	5792 332901	11857 1035073	23594	61376	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromodichloromethane	DFBZ	Ave	5246 253857	10949 658892	24296 2079855	48249	120109	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
cis-1,3-Dichloropropene	DFBZ	Ave	3147	8046	16183	32543	87162	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			177906	497910	1754941			10.0	25.0	75.0		
4-Methyl-2-pentanone	DFBZ	Ave	3586 206592	8293 612564	17365 1978442	38447	97253	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Toluene	CBZd5	Ave	8555 444928	20779 1158964	44432 3697688	85186	215542	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Octane	CBZd5	Ave	3789 244066	9049 700272	20503 2230416	41305	113537	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
trans-1,3-Dichloropropene	CBZd5	Ave	2752 163941	6244 456048	15078 1541113	28696	76846	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Ethyl methacrylate	CBZd5	Ave	2717 166102	6431 529506	13437 1775041	29038	76218	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,1,2-Trichloroethane	CBZd5	Ave	3317 153383	7822 398211	16417 1248973	31437	78494	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Tetrachloroethene	CBZd5	Ave	4485 198867	10597 572508	20498 1826012	39841	100724	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
2-Hexanone	CBZd5	Ave	3320 187286	6963 573040	16584 1902552	33637	83600	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Dibromochloromethane	CBZd5	Ave	3453 189204	7801 517200	18624 1644324	36174	91634	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dibromoethane	CBZd5	Ave	3979 216175	9348 593875	21003 1889682	42395	106612	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Chlorobenzene	CBZd5	Ave	7313 340332	16453 914009	36089 2785417	70416	169386	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,1,1,2-Tetrachloroethane	CBZd5	Ave	3452 176163	7658 483031	17352 1464913	34226	84177	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Ethylbenzene	CBZd5	Ave	8589 517114	20588 1501088	47428 4672213	92550	244534	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
m&p-Xylene	CBZd5	Ave	5595 395445	14587 1159262	33609 3683726	66628	182593	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
o-Xylene	CBZd5	Ave	5808 376567	13199 1119953	31047 3616631	62122	171983	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Styrene	CBZd5	Ave	3332 270622	8050 859206	19424 2669935	40108	117178	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromoform	CBZd5	Ave	3285 199467	7569 577772	18226 1833086	35324	93691	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Cumene	CBZd5	Ave	6900 515724	17309 1548596	39463 4934776	82836	233783	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,1,2,2-Tetrachloroethane	CBZd5	Ave	6123 314122	14546 862387	32879 2607016	61377	154329	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Bromobenzene	CBZd5	Ave	3182	8002	18048	33645	84987	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			173419	475315	1499559			10.0	25.0	75.0		
1,2,3-Trichloropropane	CBZd5	Ave	1692 89932	4553 236385	9516 722633	17663	42469	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
N-Propylbenzene	CBZd5	Ave	2350 150140	5375 444736	12649 1425960	25535	69156	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
2-Chlorotoluene	CBZd5	Ave	2209 136142	5679 392345	11842 1243597	24860	66051	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
4-Ethyltoluene	CBZd5	Ave	7232 548835	17415 1628452	40427 4991401	89710	251120	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,3,5-Trimethylbenzene	CBZd5	Ave	5973 457831	15096 1339057	33493 4179733	75556	214700	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Alpha Methyl Styrene	CBZd5	Ave	2444 164965	6117 560327	12892 1938008	27219	72732	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
tert-Butylbenzene	CBZd5	Ave	5176 424732	13189 1228837	31186 3928778	68061	193878	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2,4-Trimethylbenzene	CBZd5	Ave	5067 429567	12768 1288889	30655 4039491	67644	194588	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
sec-Butylbenzene	CBZd5	Ave	8150 627068	20364 1868746	48237 5787440	104160	287830	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,3-Dichlorobenzene	CBZd5	Ave	5864 277874	13628 815323	28926 2489435	56275	142584	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
p-Isopropyltoluene	CBZd5	Ave	6010 490660	15435 1523244	34443 4736582	75473	222345	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,4-Dichlorobenzene	CBZd5	Ave	5476 278800	12735 839646	27565 2509464	56121	143273	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Benzyl chloride	CBZd5	Ave	893 57211	2059 191821	4857 663344	9949	27026	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
n-Butylbenzene	CBZd5	Ave	3226 228439	8123 749425	16817 2358411	36787	104556	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dichlorobenzene	CBZd5	Ave	5655 266691	12995 787994	25819 2288701	51972	132560	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Hexachloroethane	CBZd5	Ave	2537 147938	5711 353022	13858 1140593	26991	70019	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2-Dibromo-3-Chloropropane	CBZd5	Ave	2604 108294	6118 330302	9838 1050897	20330	50164	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
1,2,4-Trichlorobenzene	CBZd5	Ave	3899 139203	9550 438716	13397 1427880	26289	68143	0.174 8.70	0.435 21.8	0.870 65.3	1.74	4.35
Hexachlorobutadiene	CBZd5	Ave	3619 120589	9830 345717	12229 1060821	23588	58993	0.200 10.0	0.500 25.0	1.00 75.0	2.00	5.00
Naphthalene	CBZd5	Ave	8287	18756	26228	56471	153935	0.200	0.500	1.00	2.00	5.00

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

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1 Analy Batch No.: 433347

SDG No.:

Instrument ID: HP8R004 GC Column: Rtx-VMS 60 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/19/2023 15:19 Calibration End Date: 10/19/2023 17:54 Calibration ID: 54947

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
			339776	1131704	3791451			10.0	25.0	75.0		
1,2-Dichloroethane-d4 (Surr)	CBM	Ave	145632	154076	147617	151877	165487	10.0	10.0	10.0	10.0	10.0
			168845	157825	172136			10.0	10.0	10.0		
Toluene-d8 (Surr)	CBZd5	Ave	503293	520419	528547	535411	572032	10.0	10.0	10.0	10.0	10.0
			602505	578545	633511			10.0	10.0	10.0		

Curve Type Legend:
Ave = Average ISTD

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Lab Sample ID: ICV 410-433347/15 Calibration Date: 10/19/2023 19:45

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7O19X19.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	0.5757	0.5307		9.22	10.0	-7.8	30.0
Dichlorodifluoromethane	Ave	2.172	2.241		10.3	10.0	3.2	30.0
Chlorodifluoromethane	Ave	1.225	1.231		10.1	10.0	0.5	30.0
Freon-114	Ave	2.464	2.396		9.72	10.0	-2.8	30.0
Chloromethane	Ave	0.7312	0.6894		9.43	10.0	-5.7	30.0
Vinyl chloride	Ave	0.7960	0.8182		10.3	10.0	2.8	30.0
1,3-Butadiene	Ave	0.5155	0.5270		10.2	10.0	2.2	30.0
Bromomethane	Ave	0.7326	0.7669		10.5	10.0	4.7	30.0
Chloroethane	Ave	0.4949	0.4531		9.16	10.0	-8.4	30.0
Bromoethene	Ave	0.7044	0.7702		10.9	10.0	9.3	30.0
Dichlorofluoromethane	Ave	1.750	1.950		11.1	10.0	11.4	30.0
Trichlorofluoromethane	Ave	2.384	2.248		9.43	10.0	-5.7	30.0
Pentane	Ave	1.244	1.041		8.37	10.0	-16.3	30.0
Ethanol	Ave	0.1804	0.1842		10.2	10.0	2.1	30.0
Acrolein	Ave	0.2821	0.2899		10.3	10.0	2.8	30.0
1,1-Dichloroethene	Ave	1.223	1.256		10.3	10.0	2.7	30.0
Freon 113	Ave	1.441	1.317		9.14	10.0	-8.6	30.0
Acetone	Ave	1.185	1.073		9.05	10.0	-9.5	30.0
Iodomethane	Ave	1.772	1.899		10.7	10.0	7.2	30.0
Isopropanol	Ave	0.6750	0.5723		8.48	10.0	-15.2	30.0
Carbon disulfide	Ave	2.331	2.365		10.2	10.0	1.5	30.0
Acetonitrile	Ave	0.5242	0.5179		9.88	10.0	-1.2	30.0
3-Chloroprene	Ave	0.9235	0.9827		10.6	10.0	6.4	30.0
Methylene Chloride	Ave	0.8259	0.8210		9.94	10.0	-0.6	30.0
tert-Butyl alcohol	Ave	0.6589	0.6426		9.75	10.0	-2.5	30.0
Acrylonitrile	Ave	0.6809	0.6766		9.94	10.0	-0.6	30.0
Methyl t-butyl ether	Ave	1.983	1.994		10.1	10.0	0.6	30.0
trans-1,2-Dichloroethene	Ave	1.201	1.200		9.99	10.0	-0.1	30.0
Hexane	Ave	0.6581	0.6143		9.33	10.0	-6.7	30.0
Vinyl acetate	Ave	0.1791	0.1875		10.5	10.0	4.7	30.0
1,1-Dichloroethane	Ave	1.655	1.544		9.33	10.0	-6.7	30.0
di-Isopropyl ether	Ave	2.426	2.509		10.3	10.0	3.4	30.0
Ethyl tert-butyl ether	Ave	2.033	2.087		10.3	10.0	2.7	30.0
2-Butanone	Ave	0.3978	0.3850		9.68	10.0	-3.2	30.0
cis-1,2-Dichloroethene	Ave	1.450	1.420		9.79	10.0	-2.1	30.0
Ethyl acetate	Ave	0.2220	0.2037		9.18	10.0	-8.2	30.0
Methyl acrylate	Ave	1.347	1.336		9.92	10.0	-0.8	30.0
Tetrahydrofuran	Ave	0.8002	0.7744		9.68	10.0	-3.2	30.0
Chloroform	Ave	2.059	1.929		9.37	10.0	-6.3	30.0
1,1,1-Trichloroethane	Ave	1.969	1.893		9.62	10.0	-3.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Lab Sample ID: ICV 410-433347/15 Calibration Date: 10/19/2023 19:45

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7O19X19.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
Cyclohexane	Ave	1.213	1.228		10.1	10.0	1.3	30.0
Carbon tetrachloride	Ave	2.014	1.898		9.43	10.0	-5.7	30.0
Benzene	Ave	0.7810	0.7134		9.14	10.0	-8.6	30.0
1,2-Dichloroethane	Ave	0.3356	0.3148		9.38	10.0	-6.2	30.0
Isooctane	Ave	0.9324	1.018		10.9	10.0	9.1	30.0
Tert-amyl methyl ether	Ave	0.5052	0.5324		10.5	10.0	5.4	30.0
Heptane	Ave	0.2249	0.2334		10.4	10.0	3.8	30.0
Trichloroethene	Ave	0.3419	0.3238		9.47	10.0	-5.3	30.0
Ethyl acrylate	Ave	0.4148	0.3746		9.03	10.0	-9.7	30.0
1,2-Dichloropropane	Ave	0.3078	0.2652		8.61	10.0	-13.9	30.0
Methyl methacrylate	Ave	0.2206	0.2057		9.33	10.0	-6.7	30.0
1,4-Dioxane	Ave	0.1060	0.1088		10.3	10.0	2.7	30.0
Dibromomethane	Ave	0.2730	0.2643		9.68	10.0	-3.2	30.0
Bromodichloromethane	Ave	0.5415	0.4842		8.94	10.0	-10.6	30.0
cis-1,3-Dichloropropene	Ave	0.3835	0.3518		9.17	10.0	-8.3	30.0
4-Methyl-2-pentanone	Ave	0.4343	0.4222		9.72	10.0	-2.8	30.0
Toluene	Ave	0.9209	0.8980		9.75	10.0	-2.5	30.0
Octane	Ave	0.4733	0.4994		10.6	10.0	5.5	30.0
trans-1,3-Dichloropropene	Ave	0.3266	0.3293		10.1	10.0	0.8	30.0
Ethyl methacrylate	Ave	0.3385	0.3589		10.6	10.0	6.0	30.0
1,1,2-Trichloroethane	Ave	0.3329	0.3179		9.55	10.0	-4.5	30.0
Tetrachloroethene	Ave	0.4452	0.4316		9.70	10.0	-3.1	30.0
2-Hexanone	Ave	0.3817	0.4060		10.6	10.0	6.4	30.0
Dibromochloromethane	Ave	0.3875	0.3889		10.0	10.0	0.4	30.0
1,2-Dibromoethane	Ave	0.4478	0.4518		10.1	10.0	0.9	30.0
Chlorobenzene	Ave	0.7343	0.7044		9.59	10.0	-4.1	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3643	0.3699		10.2	10.0	1.5	30.0
Ethylbenzene	Ave	1.038	1.061		10.2	10.0	2.3	30.0
m&p-Xylene	Ave	0.7637	0.8009		10.5	10.0	4.9	30.0
o-Xylene	Ave	0.7299	0.7558		10.4	10.0	3.5	30.0
Styrene	Ave	0.4961	0.5826		11.7	10.0	17.4	30.0
Bromoform	Ave	0.3976	0.3963		9.97	10.0	-0.3	30.0
Cumene	Ave	0.9701	1.037		10.7	10.0	6.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6618	0.6321		9.55	10.0	-4.5	30.0
Bromobenzene	Ave	0.3637	0.3504		9.64	10.0	-3.6	30.0
1,2,3-Trichloropropane	Ave	0.1884	0.1765		9.37	10.0	-6.3	30.0
N-Propylbenzene	Ave	0.2934	0.2964		10.1	10.0	1.0	30.0
2-Chlorotoluene	Ave	0.2738	0.2860		10.5	10.0	4.5	30.0
4-Ethyltoluene	Ave	1.014	1.114		11.0	10.0	9.9	30.0
1,3,5-Trimethylbenzene	Ave	0.8498	0.9489		11.2	10.0	11.7	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Lab Sample ID: ICV 410-433347/15 Calibration Date: 10/19/2023 19:45

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7O19X19.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
Alpha Methyl Styrene	Ave	0.3355	0.3723		11.1	10.0	11.0	30.0
tert-Butylbenzene	Ave	0.7741	0.8749		11.3	10.0	13.0	30.0
1,2,4-Trimethylbenzene	Ave	0.7796	0.9093		11.7	10.0	16.6	30.0
sec-Butylbenzene	Ave	1.171	1.300		11.1	10.0	11.0	30.0
1,3-Dichlorobenzene	Ave	0.6123	0.6265		10.2	10.0	2.3	30.0
p-Isopropyltoluene	Ave	0.9035	1.052		11.6	10.0	16.4	30.0
1,4-Dichlorobenzene	Ave	0.6020	0.6304		10.5	10.0	4.7	30.0
Benzyl chloride	Ave	0.1187	0.1301		11.0	10.0	9.6	30.0
n-Butylbenzene	Ave	0.4454	0.5082		11.4	10.0	14.1	30.0
1,2-Dichlorobenzene	Ave	0.5749	0.6207		10.8	10.0	8.0	30.0
Hexachloroethane	Ave	0.2843	0.3050		10.7	10.0	7.3	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2425	0.2768		11.4	10.0	14.1	30.0
1,2,4-Trichlorobenzene	Ave	0.3868	0.4101		10.6	10.0	6.0	30.0
Hexachlorobutadiene	Ave	0.2969	0.3490		11.8	10.0	17.6	30.0
Naphthalene	Ave	0.7621	0.9894		13.0	10.0	29.8	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Lab Sample ID: CCVIS 410-446866/3 Calibration Date: 11/27/2023 08:48

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7N27X03.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	0.5757	0.5093		8.85	10.0	-11.5	30.0
Dichlorodifluoromethane	Ave	2.172	2.319		10.7	10.0	6.8	30.0
Chlorodifluoromethane	Ave	1.225	1.189		9.71	10.0	-2.9	30.0
Freon-114	Ave	2.464	2.539		10.3	10.0	3.0	30.0
Chloromethane	Ave	0.7312	0.6864		9.39	10.0	-6.1	30.0
Vinyl chloride	Ave	0.7960	0.8662		10.9	10.0	8.8	30.0
1,3-Butadiene	Ave	0.5155	0.5383		10.4	10.0	4.4	30.0
Bromomethane	Ave	0.7326	0.8294		11.3	10.0	13.2	30.0
Chloroethane	Ave	0.4949	0.4622		9.34	10.0	-6.6	30.0
Bromoethene	Ave	0.7044	0.8327		11.8	10.0	18.2	30.0
Dichlorofluoromethane	Ave	1.750	1.939		11.1	10.0	10.8	30.0
Trichlorofluoromethane	Ave	2.384	2.360		9.90	10.0	-1.0	30.0
Pentane	Ave	1.244	1.094		8.80	10.0	-12.0	30.0
Ethanol	Ave	0.1804	0.1635		9.06	10.0	-9.4	30.0
Acrolein	Ave	0.2821	0.2483		8.80	10.0	-12.0	30.0
1,1-Dichloroethene	Ave	1.223	1.349		11.0	10.0	10.3	30.0
Freon 113	Ave	1.441	1.368		9.49	10.0	-5.1	30.0
Acetone	Ave	1.185	1.035		8.73	10.0	-12.7	30.0
Iodomethane	Ave	1.772	1.902		10.7	10.0	7.3	30.0
Isopropanol	Ave	0.6750	0.5524		8.18	10.0	-18.2	30.0
Carbon disulfide	Ave	2.331	2.624		11.3	10.0	12.6	30.0
Acetonitrile	Ave	0.5242	0.4214		8.04	10.0	-19.6	30.0
3-Chloroprene	Ave	0.9235	0.9321		10.1	10.0	0.9	30.0
Methylene Chloride	Ave	0.8259	0.9013		10.9	10.0	9.1	30.0
tert-Butyl alcohol	Ave	0.6589	0.6998		10.6	10.0	6.2	30.0
Acrylonitrile	Ave	0.6809	0.6756		9.92	10.0	-0.8	30.0
Methyl t-butyl ether	Ave	1.983	2.151		10.9	10.0	8.5	30.0
trans-1,2-Dichloroethene	Ave	1.201	1.297		10.8	10.0	8.0	30.0
Hexane	Ave	0.6581	0.6416		9.75	10.0	-2.5	30.0
Vinyl acetate	Ave	0.1791	0.1893		11.6	11.0	5.7	30.0
1,1-Dichloroethane	Ave	1.655	1.664		10.1	10.0	0.6	30.0
di-Isopropyl ether	Ave	2.426	2.435		10.0	10.0	0.4	30.0
Ethyl tert-butyl ether	Ave	2.033	2.245		11.0	10.0	10.4	30.0
2-Butanone	Ave	0.3978	0.4080		10.3	10.0	2.6	30.0
cis-1,2-Dichloroethene	Ave	1.450	1.478		10.2	10.0	1.9	30.0
Ethyl acetate	Ave	0.2220	0.2306		10.4	10.0	3.9	30.0
Methyl acrylate	Ave	1.347	1.314		9.76	10.0	-2.4	30.0
Tetrahydrofuran	Ave	0.8002	0.7352		9.19	10.0	-8.1	30.0
Chloroform	Ave	2.059	2.039		9.91	10.0	-0.9	30.0
1,1,1-Trichloroethane	Ave	1.969	1.978		10.1	10.0	0.5	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Lab Sample ID: CCVIS 410-446866/3 Calibration Date: 11/27/2023 08:48

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7N27X03.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
Cyclohexane	Ave	1.213	1.214		10.0	10.0	0.1	30.0
Carbon tetrachloride	Ave	2.014	1.953		9.70	10.0	-3.0	30.0
Benzene	Ave	0.7810	0.7562		9.68	10.0	-3.2	30.0
1,2-Dichloroethane	Ave	0.3356	0.3189		9.50	10.0	-5.0	30.0
Isooctane	Ave	0.9324	1.056		11.3	10.0	13.2	30.0
Tert-amyl methyl ether	Ave	0.5052	0.5888		11.7	10.0	16.6	30.0
Heptane	Ave	0.2249	0.2500		11.1	10.0	11.2	30.0
Trichloroethene	Ave	0.3419	0.3358		9.82	10.0	-1.8	30.0
Ethyl acrylate	Ave	0.4148	0.3619		8.73	10.0	-12.8	30.0
1,2-Dichloropropane	Ave	0.3078	0.2690		8.74	10.0	-12.6	30.0
Methyl methacrylate	Ave	0.2206	0.1983		8.99	10.0	-10.1	30.0
1,4-Dioxane	Ave	0.1060	0.1112		10.5	10.0	4.9	30.0
Dibromomethane	Ave	0.2730	0.2622		9.60	10.0	-4.0	30.0
Bromodichloromethane	Ave	0.5415	0.4938		9.12	10.0	-8.8	30.0
cis-1,3-Dichloropropene	Ave	0.3835	0.3643		9.50	10.0	-5.0	30.0
4-Methyl-2-pentanone	Ave	0.4343	0.3553		8.18	10.0	-18.2	30.0
Toluene	Ave	0.9209	0.9930		10.8	10.0	7.8	30.0
Octane	Ave	0.4733	0.4878		10.3	10.0	3.1	30.0
trans-1,3-Dichloropropene	Ave	0.3266	0.3413		10.5	10.0	4.5	30.0
Ethyl methacrylate	Ave	0.3385	0.3357		9.92	10.0	-0.8	30.0
1,1,2-Trichloroethane	Ave	0.3329	0.3457		10.4	10.0	3.8	30.0
Tetrachloroethene	Ave	0.4452	0.4372		9.82	10.0	-1.8	30.0
2-Hexanone	Ave	0.3817	0.3297		8.64	10.0	-13.6	30.0
Dibromochloromethane	Ave	0.3875	0.3329		8.59	10.0	-14.1	30.0
1,2-Dibromoethane	Ave	0.4478	0.4384		9.79	10.0	-2.1	30.0
Chlorobenzene	Ave	0.7343	0.7362		10.0	10.0	0.3	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3643	0.3566		9.79	10.0	-2.1	30.0
Ethylbenzene	Ave	1.038	1.094		10.5	10.0	5.4	30.0
m&p-Xylene	Ave	0.7637	0.8289		10.9	10.0	8.5	30.0
o-Xylene	Ave	0.7299	0.7401		10.1	10.0	1.4	30.0
Styrene	Ave	0.4961	0.5123		10.3	10.0	3.3	30.0
Bromoform	Ave	0.3976	0.3089		7.77	10.0	-22.3	30.0
Cumene	Ave	0.9701	0.9808		10.1	10.0	1.1	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6618	0.5268		7.96	10.0	-20.4	30.0
Bromobenzene	Ave	0.3637	0.3177		8.74	10.0	-12.6	30.0
1,2,3-Trichloropropane	Ave	0.1884	0.1537		8.16	10.0	-18.4	30.0
N-Propylbenzene	Ave	0.2934	0.2726		9.29	10.0	-7.1	30.0
2-Chlorotoluene	Ave	0.2738	0.2467		9.01	10.0	-9.9	30.0
4-Ethyltoluene	Ave	1.014	0.9631		9.50	10.0	-5.0	30.0
1,3,5-Trimethylbenzene	Ave	0.8498	0.7886		9.28	10.0	-7.2	30.0

FORM VII
AIR - GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Lab Sample ID: CCVIS 410-446866/3 Calibration Date: 11/27/2023 08:48

Instrument ID: HP8R004 Calib Start Date: 10/19/2023 15:19

GC Column: Rtx-VMS 60m ID: 0.25(mm) Calib End Date: 10/19/2023 17:54

Lab File ID: 7N27X03.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
Alpha Methyl Styrene	Ave	0.3355	0.2391		7.13	10.0	-28.7	30.0
tert-Butylbenzene	Ave	0.7741	0.6942		8.97	10.0	-10.3	30.0
1,2,4-Trimethylbenzene	Ave	0.7796	0.6996		8.97	10.0	-10.3	30.0
sec-Butylbenzene	Ave	1.171	0.9780		8.35	10.0	-16.5	30.0
1,3-Dichlorobenzene	Ave	0.6123	0.4708		7.69	10.0	-23.1	30.0
p-Isopropyltoluene	Ave	0.9035	0.7378		8.17	10.0	-18.3	30.0
1,4-Dichlorobenzene	Ave	0.6020	0.4483		7.45	10.0	-25.5	30.0
Benzyl chloride	Ave	0.1187	0.0929		7.83	10.0	-21.7	30.0
n-Butylbenzene	Ave	0.4454	0.3244		7.28	10.0	-27.2	30.0
1,2-Dichlorobenzene	Ave	0.5749	0.4282		7.45	10.0	-25.5	30.0
Hexachloroethane	Ave	0.2843	0.2024		7.12	10.0	-28.8	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.2425	0.1527		6.30	10.0	-37.0*	30.0
1,2,4-Trichlorobenzene	Ave	0.3868	0.2943		6.62	8.70	-23.9	30.0
Hexachlorobutadiene	Ave	0.2969	0.2151		7.25	10.0	-27.5	30.0
Naphthalene	Ave	0.7621	0.6521		8.56	10.0	-14.4	30.0

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Instrument ID: HP8R004 Start Date: 10/19/2023 14:11

Analysis Batch Number: 433347 End Date: 10/20/2023 13:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-433347/1		10/19/2023 14:11	1	7O19T01.D	Rtx-VMS 60m 0.25(mm)
ICISAV 410-433347/3		10/19/2023 15:19	1	7O19X03.D	Rtx-VMS 60m 0.25(mm)
CCVIS 410-433347/1003		10/19/2023 15:19	1		Rtx-VMS 60m 0.25(mm)
IC 410-433347/4		10/19/2023 15:41	1	7O19X04.D	Rtx-VMS 60m 0.25(mm)
IC 410-433347/5		10/19/2023 16:03	1	7O19X05.D	Rtx-VMS 60m 0.25(mm)
IC 410-433347/6		10/19/2023 16:25	1	7O19X06.D	Rtx-VMS 60m 0.25(mm)
IC 410-433347/7		10/19/2023 16:48	1	7O19X09.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 16:48	1		Rtx-VMS 60m 0.25(mm)
IC 410-433347/8		10/19/2023 17:10	1	7O19X10.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 17:10	1		Rtx-VMS 60m 0.25(mm)
IC 410-433347/9		10/19/2023 17:32	1	7O19X13.D	Rtx-VMS 60m 0.25(mm)
IC 410-433347/10		10/19/2023 17:54	1	7O19X14.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 19:23	1		Rtx-VMS 60m 0.25(mm)
ICV 410-433347/15		10/19/2023 19:45	1	7O19X19.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 19:45	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/19/2023 20:07	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 08:50	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 09:12	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 09:34	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 09:57	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 10:24	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 10:50	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 11:12	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 11:34	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 11:57	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 12:19	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 12:43	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 13:07	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 13:29	40		Rtx-VMS 60m 0.25(mm)
ZZZZZ		10/20/2023 13:51	40		Rtx-VMS 60m 0.25(mm)

AIR - GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment Testing, LLC Job No.: 410-152422-1

SDG No.:

Instrument ID: HP8R004 Start Date: 11/27/2023 07:47

Analysis Batch Number: 446866 End Date: 11/27/2023 17:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 410-446866/1		11/27/2023 07:47	1	7N27T01.D	Rtx-VMS 60m 0.25(mm)
CCVIS 410-446866/3		11/27/2023 08:48	1	7N27X03.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 09:10	1		Rtx-VMS 60m 0.25(mm)
LCS 410-446866/5		11/27/2023 09:32	1	7N27X05.D	Rtx-VMS 60m 0.25(mm)
LCSD 410-446866/6		11/27/2023 09:54	1	7N27X06.D	Rtx-VMS 60m 0.25(mm)
MB 410-446866/8		11/27/2023 10:39	1	7N27X08.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 11:10	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 11:32	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 11:54	1		Rtx-VMS 60m 0.25(mm)
410-152422-1	506	11/27/2023 12:38	1	7N27X13.D	Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 13:02	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 13:24	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 13:48	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 14:11	1		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 14:34	4		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 14:56	10		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 15:18	20		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 16:25	40		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 16:48	40		Rtx-VMS 60m 0.25(mm)
ZZZZZ		11/27/2023 17:10	400		Rtx-VMS 60m 0.25(mm)

Shipping and Receiving Documents

Summa Canister / Chain of Custody

410-154614 Chain of Custody

eurofins | Lancaster Laboratories Environmental

For Eurofins Lancaster Laboratories Environmental use only

Acct. # _____ Group # _____ Sample # _____ Bottle Order (SCR) # 101983

Client Information

Client: Brown and Caldwell

Account #:

Project Name/#: Bartlett Tree

Project Manager: Brian Taylor

P.O. #:

Sampler: Brian Taylor

Quote #: 41017604

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

	Temperature (F)		Pressure ("Hg)	
	Start	Stop	Start	Stop
Ambient	34	43	30.38	30.37
Maximum				
Minimum				

Analyses Requested

EPA TO - 15 | ☐ MTBE | ☐ BTEX | EPA 18 | EPA 25 (select range below) | Helium as tracer | O2/CO2 | Library Search

Sample Identification	Start Date/Time (24-hour clock)	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	Helium as tracer	O2/CO2	Library Search
SV-1-20231212	12/12/23 0836	12/12/23 1636	-29	-2	68	64	879110	875	6	10.7	X					
AA-1-20231212	12/12/23 0835	12/12/23 1635	-29	-9	N/A	N/A	152710	1513	6	10.7	X					
IA-1-20231212	12/12/23 0836	12/12/23 1636	-30	-3	68	64	11827	1538	6	10.8	X					

12/14/23

Instructions/QC Requirements & Comments

NYS CAT B, BC 4Fish Equis Deliverables

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:
J. Stone 91224	12/5/23 12:18						
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	
	12/12/23		12/13/23 1035		12/13/23 1920		
Relinquished by:	Date/Time:	Received by:	Date/Time:	Relinquished by:	Date/Time:	Received by:	Date/Time:
							12/15/23 1820

Eurofins Lancaster Laboratories Environmental, LLC • 2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300

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: 410-154614-1

Login Number: 154614

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Hartlove, Katie M

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

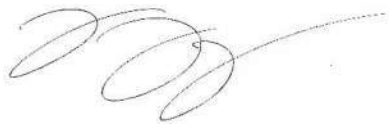
Groundwater samples will be collected from the remaining four monitoring wells (MW-2D, MW-3, MW-4, MW-5) every 10 months, beginning in October 2019. The samples will continue to be analyzed for Target Compound List (TCL) Pesticides by USEPA SW846 Method 8081A. The remainder of the sampling protocols 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.

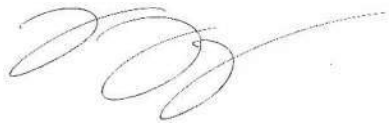
For informational purposes, duplicate field-filtered samples will be collected to evaluate the effects of sample turbidity on analytical results. Both the unfiltered sample and the

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

Appendix J: Qualifications of Data Validators

Experience Summary

Kelly Donahue has more than 19 years of experience as a geologist and geochemist with specialization in environmental assessment, prediction of water quality chemistry and water contamination mitigation strategies. Her experience encompasses soil and water sampling, geotechnical testing, field investigations, drilling oversight, and monitoring well installation. She also is adept at analyzing and interpreting of geological, hydrologic and geochemical data for a variety of technical environmental and hydrogeological projects. Kelly is proficient in PHREEQC, AquaChem, and Arc GIS applications for geochemical modeling and data analysis.

Assignment

Chemistry/Data Validation

Education

M.S., Geochemistry, New Mexico Institute of Mining and Technology

B.S., Geology University of Wisconsin at Madison

Registration

Professional Geologist 59596, Arizona

Professional Geologist 1510, Idaho

Professional Geologist PG-3822, Wyoming

Training

MSHA-certified Instructor, Surface Part 46 and 48 Training, 2013

OSHA 10-hour General Contractor

OSHA 40-hr HAZWOPER

First aid and CPR

Experience

19 years

Joined Firm

2014

Relevant Expertise

- *Surface and groundwater aqueous geochemistry*
- *Geochemical modeling*
- *Field investigations*
- *Advanced mineralogy and petrography*
- *Monitor well installation and instrumentation*
- *Data management and GIS applications*
- *Data validation*
- *Project management*

Data Management and Validation

National Mobile Communications Facility, Wayne, New Jersey

Project Chemist. Conducted data review and usability analysis for a multi-media site characterization and implementation of remedial action. Data review was performed in accordance with the general guidance provided by the National Functional Guidelines. During the validation process, laboratory-qualified and -unqualified data are verified against the available supporting documentation. Based on this evaluation, qualifier codes were added, deleted, or modified. Quality of the data was evaluated for the suitability for the project objectives.
[2017-current]

MERECO Post-Remedial Monitoring, Colonie, New York

Project Chemist. Qualitative Data Usability Review was performed on soil water and vapor analytical datasets to evaluate the data on a technical basis. Data review was performed in accordance with the general guidance provided by the National Functional Guidelines. Qualifier codes were added, deleted, or modified based on meeting project objectives.
[2017-current]

North Rasmussen, Rasmussen Valley and Lanes Creek Data Validation Nu-West Agrium, Soda Springs, Idaho

Project Chemist. Data Validation was performed on surface and groundwater analytical data from three operating mine properties owned by Nu-West Agrium to evaluate the data for submission to the state regulatory agencies. Data validation was performed in accordance to the state approved, project-specific data validation procedures and included a review of all relative field information to evaluate if surface or groundwater samples exceed the project-specific water quality criteria.
[2017-current]

Multiple On-going projects.

Project Chemist. Provides data validation for level I through IV laboratory reports including air, surface water, groundwater, soil, and soil gas samples. Verification, usability, and lab data management are provided for specialized projects. Data validation for multiple contaminates including organics, inorganics and PFAS.
[2017-current]

Other Projects/Clients: Hubble, Integra, Gerdau, Atlas Copco and multiple confidential clients.

Water Quality and Environmental Assessments

Water Quality Investigation, CEMEX, Lyons, Colorado

Geochemist. Lead an assessment of groundwater quality from a network of monitoring well surrounding the backfilled open pit. Materials used to backfill the pit included cement kiln dust resulting in pit water quality with elevated regulated constituents. The geochemical analysis of the historical water quality data on-site was used to identify trends in the groundwater chemistry and water flow in the upgradient canal network. Results of the analysis indicated water leaking from the canal is adding water to the backfilled pit.
[2016-current]

Tri-State New Horizon Mine Spoils Spring Investigation, Nucla, Colorado

Geochemist. Lead an investigation to determine the source of discharge from a spoils spring with elevated concentrations of regulated constituents. Evaluated the results of a backfill geochemical characterization study to identify chemical markers which could indicate the source of the chemical mass to the spoils spring. Results of the geochemical analysis were used to evaluate the potential source of chemical mass and the projected period of time the chemical loading from the backfill material. Assisted in developing the plan to install a monitoring well network to evaluate the presence and quality of water moving the backfill contributing to the spoils spring.
[2017-current]

Groundwater Contamination Investigation, Arco, Yerington, Nevada

Geochemist. Conducted groundwater geochemical data analysis at and EPA Superfund Site to determine the potential groundwater chemistry signatures associated with natural and mining related impacts. Investigation included evaluation of water quality data signatures, stable and radiogenic isotopes, soil chemical characteristics, and hydrologic data to develop a conceptualization of the geochemical system. Evaluated chemical speciation of regulated groundwater constituents using geochemical modeling to assess potential mobility of contaminates in the aquifer and potential responsible parties' impact to the groundwater.
[2014-2017]

Groundwater System Improvement Study, City of Los Angeles, Department of Water and Power (LADWP), Los Angeles, California

Geochemist. As part of a basin-wide investigation, provided a geochemical analysis of water data from multiple water bearing intervals to assess the movement of contaminants and the potential impact to LADWP's drinking water extraction fields.
[2014-2016]

Tri-State New Horizon Mine Phase III Bond Release Analysis, Nucla, Colorado

Geochemist. Provided the water quality analysis to evaluate the potential impact to surface and groundwaters as evidence for the client's Phase III Bond release application in accordance with the Colorado Mined Land Reclamation Board for Coal Mining regulations. The analysis provided the client with scientifically defensible evidence of no long-term impact as a result of mining through a detailed geochemical analysis using concentration and time trend assessments.
[2016]

Rasmussen Valley Mine Project Geochemical Testing Program Analysis, Nu-West Agrium, Soda Springs, Idaho

Geochemist. Provided the client with a comprehensive analysis of the geochemical characterization program conducted by a third-party contractor for an Environmental Impact Assessment to determine the potential effects of the testing design on the data to be used for the water quality impact assessment. Determined the sampling methods used by the third-party contractor resulted in unrepresentative and overly conservative approximation of water quality predictions. Presented the finding to the client and regulatory agencies to initiate a conversation on the approach used for geochemical characterization methods and the implications on the subsequent water quality impact analysis.
[2014-2015]

Rasmussen Valley Mine Project Alternative Source Term Development Analysis, Nu-West Agrium, Soda Springs, Idaho

Geochemist. Provided the client with a scientifically defensible analysis for the development of an alternative source term using data previously collected as part of a baseline geochemical analysis for an Environmental Impact Assessment. Utilizing previously collected data allowed for the project to continue forward without delays that would have been the result of additional geochemical data collection.
[2016]

Husky 1 North Dry Ridge Mine Project Geochemical Testing Plan Analysis, Nu-West Agrium, Soda Springs, Idaho

Geochemist. Provided the client with a comprehensive review of the geochemical characterization plan for an Environmental Impact Assessment to assess the potential effects of the testing plan design on the data to be used for the water quality impact assessment. Provided client with information on the sample compositing method to present to the regulatory agencies in order to obtain results representative of the future waste rock piles.
[2014-2015]

Monitoring Well Investigation, North Rasmussen Ridge Mine, Caribou County, Idaho

Geochemist. Analysis of surface and groundwater data to identify potential mining related impacts to a groundwater monitoring well. Data assessment included evaluating the chemical signatures of potential source waters and evaluating the feasibility of several scenarios to identify the most likely source of contamination to the alluvial monitoring well. Presented the results of the analysis to the Idaho regulatory agencies during a discussion on methods to remediate the observed elevated regulated constituents.
[2015-2018]

Groundwater Contamination Investigation, Arco, Yerington, Nevada

Geochemist. Conducted groundwater geochemical data analysis to determine the potential groundwater chemistry signatures associated with natural and mining related impacts. Investigation included evaluation of water quality data signatures, stable and radiogenic isotopes, soil chemical characteristics, and hydrologic data to develop a conceptualization of the geochemical system. Evaluated chemical speciation of regulated groundwater constituents using geochemical modeling to assess potential mobility of contaminates in the aquifer.
[2014-2016]

Waste Rock Geochemical Characterization, Freeport-McMoran–Bagdad, Arizona

Project Manager/Geochemist. Provided technical support for the project designed to determine the acid generation potential of waste rock materials at an open pit copper mine in Arizona. Data from analytical static tests was combined with mineralogy descriptions of the rock units to determine which units required additional kinetic testing to provide chemical release rates for geochemical modeling.
[2014-2016]

Evaporation Ponds Investigation, Atlantic Richfield, Yerington, Nevada

Project Geochemist. Evaluated geochemical soils and water quality data to identify potential sources and extent of contamination related to multiple mineral processing activities conducted over several decades in surface evaporation ponds.
[2014]

Surface Water Characterization, Freeport-McMoran–Cobre, Hanover, New Mexico

Field Manager and Geochemist. Led field team for stormwater sample collection of surface water data. Coordinated sampling teams to ensure accurate and defensible data collection with maximum efficiently to reduce labor costs to client. Conducted thorough geochemical data analysis to identify naturally occurring and mining impacted chemical loading to surface waters within the basin. Identified surface water impacts using geochemical signatures to shallow groundwater sources to confirm the assumptions of the groundwater hydrologic model.
[2011-2013]

Surface Water Seep Investigation, Freeport-McMoran–Cobre, Hanover, New Mexico

Geochemist. Assisted in evaluating the chemical loading sources contributing to surface water seeps from reclaimed areas of the mine. Historical data from the previous heap leach were compared to laboratory data

for samples collected from soil pits within the reclaimed area and geochemical signatures were identified. The result of the study indicated the previous heap leach materials had been removed effectively, however the materials placed as fill and cover were contributing chemical mass to the shallow groundwater system. Assisted in a borrow source investigation to identify additional sources of cover on-site for future reclamation and remediation efforts.
[2011-2012]

Tailings Pile Investigation, Freeport McMoran–Twin Buttes, Sierrita, Arizona

Geochemist and Field Geologist. Assisted in the developed a site wide waste rock handling plan and standard operating procedures to ensure scientifically defensible data collection for the client. Provided oversight during drilling operations and conducted core logging for the Main Tailing Facility. Collected samples for geochemical analysis to characterize tailing materials to satisfy regulatory requirements.
[2011-2012]

Heap Leach Pad Investigation, Freeport-McMoran–Little Rock, Hanover, New Mexico

Geochemist. Assisted in evaluating the chemical loading sources contributing to surface water seeps from reclaimed areas of the mine. Result of the study indicated the previous heap leach materials had been removed effectively, however the materials placed as fill and cover were contributing chemical mass to the shallow groundwater system. Conducted a borrow source investigation to identify additional sources of cover on-site for future reclamation and remediation efforts.
[2011-2012]

Material Investigation, Freeport McMoran–Twin Buttes, Sierrita, Arizona

Geochemist. Planned and executed a field reconnaissance and geochemical testing program to determine the suitability of on-site borrow material for mine reclamation. In conjunction with main project objectives, determined the potential hazards associated with mine materials being sold as construction rock by a third-party contractor before the deadline for contract renewal.
[2011]

Casing Leak Investigation, Cameco Resources, Douglas, Wyoming

Geochemist. Comprehensive geochemical data analysis used to define groundwater chemistry trends to provide the client with evidence of contamination from the previous land owner to submit to state regulatory agencies. Supervised a field crew during groundwater investigation activities, including quarterly sample collection of more than 100 monitoring wells, installing pressure transducers, and measuring hydrological and chemical field parameters. Provided contractor oversight during drilling and installation of monitoring wells, including interpretation of geophysical logs and drill cuttings to determine the target water bearing units for well completion; on-site well design; well completion supervision; and initial aquifer testing on installed wells. Results of the field and data analysis were to define the baseline water quality and identify impacted aquifers at an in-situ uranium mining site.
[2009-2013]

Groundwater Baseline Characterization, East RD&D, Shell Oil Co., Piceance Basin, Colorado

Geochemist. Conducted groundwater geochemical data analysis to determine the baseline water quality for an Environmental Impact Statement. Determined and documented the potential effects of previous anthropogenic activities within the basin on groundwater chemistry using stable and radiogenic isotope and groundwater chemical signatures. Provided the client with a defensible scientific basis to determine the pre-impact groundwater quality in the project area.
[2008-2012]

Water Rock Characterization, Lumina Copper, Peru

Laboratory Manager and Geochemist. Managed the collection of kinetic testing data of potential waste rock materials from a porphyry copper mine using humidity cell testing procedures. Humidity cell test data was used to define contaminates of concern to focus the water treatment design for mine planning. Conducted detailed mineralogical descriptions of rock samples using X-ray diffraction data and petrographic mineral identification techniques. Conducted geochemical modeling to evaluate the groundwater quality as a result of surface water infiltrating through mine waste materials. Results of geochemical characterization were used by the client to estimate the operating and remediation costs for a bankable feasibility study.
[2008-2010]

Goat Hill North Waste Rock Pile Stability Study, Molycorp, Questa, New Mexico
Principal Investigator. Responsible for identified clay mineralogy of soil and rock samples using X-ray diffraction equipment and pattern recognition software resulting in characterizing the relationship between the geotechnical and hydrological properties of a man-made rock pile. Used microscope optical petrography, whole rock chemical analysis data, and normative mineralogy software for the identification of mineral assemblages of rock and soil samples to determine the geochemical characteristics of mine materials and the processes of physical and chemical weathering.
[2004-2008]

Jeff Davin

Data Management/EQuIS/Data Validation

Jeffrey (Jeff) Davin has experience in environmental science, and has expertise in data validation, data quality, data management, laboratory analytical methods, and data analysis.

Jeff is experienced in the validation and management of environmental chemistry data. He has performed as the group leader of a data management team and as senior scientist for investigations of multiple hazardous waste sites, including impacted aquatic systems, industrial facilities, landfills, and wastewater effluent discharges. He serves as the primary data validator and/or the lead data manager for several Tier I clients. He is responsible for data validation pursuant to U.S. Environmental Protection Agency (USEPA) Functional Guidelines and provides guidance on data usability. Jeff performs data validation efforts in accordance with USEPA regional and individual state guidelines. He is proficient in USEPA-CLP, USEPA-Regional, USEPA SW- 846, 40 CFR Part 136, New Jersey Department of Environmental Protection (NJDEP), and New York State Department of Environmental Conservation (NYSDEC) ASP procedures. Jeff is also proficient with managing data and providing submittals in a variety of database platforms, including EQuIS, EIM and MS Access. Jeff has held the positions of analytical chemist and project manager at an environmental testing laboratory in the Northeast, where his responsibilities included client relations, laboratory coordinator/technical advisor for all phases of project work, providing analytical and technical support to clients. His analytical chemistry specialties include gas chromatography mass spectrometry (GC/MS) analysis, data generation, and mass spectral interpretation.

Data Validation, Confidential Client, Lansing, MI

Senior Data Validator/Database Manager. Long term Groundwater Monitoring Program

Jeff served as the lead validator and lead database manager for a large automotive manufacturing site. He was responsible for validating the data from numerous samples collected each year, reviewing quality assurance project plan (QAPPs), advising the project team on data quality/technical issues, reviewing and importing laboratory electronic data deliverables (EDDs) into the database, writing data validation reports, updating the database, and generating analytical summaries and custom exports from the database.

Data Validation, Confidential Client, Global, NA

Senior Database Manager. Remedial Investigation/GW Monitoring/Superfund Sites

Jeff served as the lead database manager for a large industrial client portfolio with more than 70 project databases. He was responsible for coordinating the receipt and upload of EDDs and field data deliverables, completing report summary tables with exceedances of regulatory criteria, including statistics on historical data sets, generating data boxes for GIS figures, and coordinating data validation. Jeffrey managed data for numerous samples collected annually with multiple different matrices and diverse

ASSIGNMENT
Data Management/Data Validation

EDUCATION
M.S., Information Management, Syracuse University, Syracuse, NY, 2012

B.A., Biology, SUNY Potsdam, Potsdam, NY, 1992

YEARS OF EXPERIENCE
30

JOINED FIRM
2023

SUBJECT MATTER SPECIALTIES
SIR/SW (Environmental Specialties)

RELEVANT EXPERIENCE
- Lead Scientist/Data Validator
- Data Management Group Lead
- Analytical Chemist

analytical methodologies. Additionally, he developed custom automated exports from the database, and coordinated historical data migrations.

Data Validation, Confidential Client, State of Montana, MT

Senior Data Validator. Long Term Monitoring/Immediate Response/Remedial Investigations

Jeff served as the lead validator for a large railroad client portfolio that contained more than 20 sites. He was responsible for facilitating the validation of data from numerous samples collected each year, coordinating validation and database efforts for immediate response to spills and derailments, reviewing and updating QAPPs, advising project teams on data quality/technical issues, writing data validation reports in accordance with the USEPA National Functional Guidelines and Montana DEQ specific guidance, and performing senior review of reports.