



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Christopher O'Neil  
Groundwater Sciences Corporation  
2550 Interstate Drive  
Suite 303  
Harrisburg PA 17110

Generated 07/06/2025

## JOB DESCRIPTION

fYNOP Monthly Surface Water

## JOB NUMBER

410-229793-1

# Eurofins Lancaster Laboratories Environment Testing, LLC

## Job Notes

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

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

## Authorization



Generated  
07/06/2025

Authorized for release by  
Kelly Gallagher, Project Manager  
[kelly.gallagher@et.eurofinsus.com](mailto:kelly.gallagher@et.eurofinsus.com)  
717 205-7820

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## Definitions/Glossary

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

### Qualifiers

#### GC/MS VOA

| Qualifier | Qualifier Description                                                                                          |
|-----------|----------------------------------------------------------------------------------------------------------------|
| ^c        | CCV Recovery is outside acceptance limits.                                                                     |
| cn        | Refer to Case Narrative for further detail                                                                     |
| F2        | MS/MSD RPD exceeds control limits                                                                              |
| FL        | MS and/or MSD recovery below control limits.                                                                   |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value. |

### Glossary

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



**Job Narrative**  
**410-229793-1**

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

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

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

**Receipt**

The samples were received on 6/26/2025 4:54 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 4.1°C.

**GC/MS VOA**

Method 8260D\_LL: The continuing calibration verification (CCV) analyzed on 410-666534 is compliant under 8260C/D method criteria for Bromomethane and Chloroethane. The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260D\_LL: The continuing calibration verification (CCV) associated with batch 410-666534 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

# Detection Summary

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

## Client Sample ID: HD-COD-SW-6-0/1-0

## Lab Sample ID: 410-229793-1

| Analyte | Result | Qualifier | RL  | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---------|--------|-----------|-----|-----|------|---------|---|--------|-----------|
| Acetone | 2.2    | J         | 5.0 | 1.5 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: HD-COD-SW-7-0/1-0

## Lab Sample ID: 410-229793-2

| Analyte         | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Acetone         | 1.5    | J         | 5.0  | 1.5   | ug/L | 1       |   | 8260D  | Total/NA  |
| Chloroform      | 0.13   | J         | 0.50 | 0.090 | ug/L | 1       |   | 8260D  | Total/NA  |
| Toluene         | 0.082  | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene | 0.13   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: HD-COD-SW-8-0/1-0

## Lab Sample ID: 410-229793-3

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 0.12   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 0.59   |           | 0.50 | 0.20  | ug/L | 1       |   | 8260D  | Total/NA  |
| Toluene                | 0.11   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 0.11   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: HD-COD-SW-9-0/1-0

## Lab Sample ID: 410-229793-4

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Acetone                | 2.0    | J         | 5.0  | 1.5   | ug/L | 1       |   | 8260D  | Total/NA  |
| Chloroform             | 0.19   | J         | 0.50 | 0.090 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 0.11   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 0.27   | J         | 0.50 | 0.20  | ug/L | 1       |   | 8260D  | Total/NA  |
| Toluene                | 0.10   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 0.14   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: HD-COD-SW-13-0/1-0

## Lab Sample ID: 410-229793-5

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Acetone                | 1.8    | J         | 5.0  | 1.5   | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 0.12   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 0.44   | J         | 0.50 | 0.20  | ug/L | 1       |   | 8260D  | Total/NA  |
| Toluene                | 0.10   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 0.12   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: HD-COD-SW-15-0/1-0

## Lab Sample ID: 410-229793-6

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane  | 0.40   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| 1,1-Dichloroethane     | 0.13   | J         | 0.50 | 0.10  | ug/L | 1       |   | 8260D  | Total/NA  |
| 1,1-Dichloroethene     | 0.23   | J         | 0.50 | 0.10  | ug/L | 1       |   | 8260D  | Total/NA  |
| Chloroform             | 0.24   | J         | 0.50 | 0.090 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 1.4    |           | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 5.8    | FL        | 0.50 | 0.20  | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 1.6    | FL        | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

## Client Sample ID: HD-COD-SW-16-0/1-0

## Lab Sample ID: 410-229793-7

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane  | 0.16   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 0.16   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 2.4    |           | 0.50 | 0.20  | ug/L | 1       |   | 8260D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

## Detection Summary

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

### Client Sample ID: HD-COD-SW-16-0/1-0 (Continued)

Lab Sample ID: 410-229793-7

| Analyte         | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|-----------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Toluene         | 0.082  | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene | 0.14   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

### Client Sample ID: HD-COD-SW-17-0/1-0

Lab Sample ID: 410-229793-8

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane  | 10     |           | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| 1,1-Dichloroethane     | 1.7    |           | 0.50 | 0.10  | ug/L | 1       |   | 8260D  | Total/NA  |
| 1,1-Dichloroethene     | 0.77   |           | 0.50 | 0.10  | ug/L | 1       |   | 8260D  | Total/NA  |
| Chloroform             | 0.18   | J         | 0.50 | 0.090 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 2.4    |           | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 3.7    |           | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene - DL | 130    |           | 10   | 4.0   | ug/L | 20      |   | 8260D  | Total/NA  |

### Client Sample ID: HD-COD-SW-26-0/1-0

Lab Sample ID: 410-229793-9

| Analyte    | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Chloroform | 0.11   | J         | 0.50 | 0.090 | ug/L | 1       |   | 8260D  | Total/NA  |
| Toluene    | 0.085  | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

### Client Sample ID: HD-COD-SW-27-0/1-0

Lab Sample ID: 410-229793-10

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Chloroform             | 0.12   | J         | 0.50 | 0.090 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 0.091  | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Toluene                | 0.085  | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 0.11   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

### Client Sample ID: HD-COD-SW-28-0/1-0

Lab Sample ID: 410-229793-11

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Acetone                | 1.8    | J         | 5.0  | 1.5   | ug/L | 1       |   | 8260D  | Total/NA  |
| Chloroform             | 0.15   | J         | 0.50 | 0.090 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 0.090  | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 0.22   | J         | 0.50 | 0.20  | ug/L | 1       |   | 8260D  | Total/NA  |
| Toluene                | 0.090  | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 0.11   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

### Client Sample ID: HD-COD-SW-29-0/1-0

Lab Sample ID: 410-229793-12

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Chloroform             | 0.091  | J         | 0.50 | 0.090 | ug/L | 1       |   | 8260D  | Total/NA  |
| cis-1,2-Dichloroethene | 0.11   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene      | 0.36   | J         | 0.50 | 0.20  | ug/L | 1       |   | 8260D  | Total/NA  |
| Toluene                | 0.099  | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 0.11   | J         | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |

### Client Sample ID: HD-QC1-0/1-1

Lab Sample ID: 410-229793-13

| Analyte               | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|-----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| 1,1,1-Trichloroethane | 11     |           | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| 1,1-Dichloroethane    | 1.7    |           | 0.50 | 0.10  | ug/L | 1       |   | 8260D  | Total/NA  |
| 1,1-Dichloroethene    | 0.81   |           | 0.50 | 0.10  | ug/L | 1       |   | 8260D  | Total/NA  |
| Chloroform            | 0.18   | J         | 0.50 | 0.090 | ug/L | 1       |   | 8260D  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-QC1-0/1-1 (Continued) Lab Sample ID: 410-229793-13

| Analyte                | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|------------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| cis-1,2-Dichloroethene | 2.4    |           | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Trichloroethene        | 3.6    |           | 0.50 | 0.080 | ug/L | 1       |   | 8260D  | Total/NA  |
| Tetrachloroethene - DL | 120    |           | 10   | 4.0   | ug/L | 20      |   | 8260D  | Total/NA  |

Client Sample ID: HD-QC1-0/1-2 Lab Sample ID: 410-229793-14

No Detections.

This Detection Summary does not include radiochemical test results.

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-6-0/1-0

Lab Sample ID: 410-229793-1

Date Collected: 06/25/25 07:12

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                      | Result    | Qualifier | RL       | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane    | ND        |           | 0.50     | 0.070 | ug/L |   |          | 07/03/25 12:08 | 1       |
| 1,1,1-Trichloroethane        | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| 1,1,2,2-Tetrachloroethane    | ND        |           | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| 1,1,2-Trichloroethane        | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| 1,1-Dichloroethane           | ND        |           | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| 1,1-Dichloroethene           | ND        |           | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| 1,2-Dibromoethane (EDB)      | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| 1,2-Dichloroethane           | ND        |           | 0.50     | 0.070 | ug/L |   |          | 07/03/25 12:08 | 1       |
| 1,2-Dichloropropane          | ND        |           | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| 2-Butanone (MEK)             | ND        |           | 5.0      | 1.0   | ug/L |   |          | 07/03/25 12:08 | 1       |
| 2-Hexanone                   | ND        |           | 5.0      | 2.0   | ug/L |   |          | 07/03/25 12:08 | 1       |
| 4-Methyl-2-pentanone (MIBK)  | ND        |           | 5.0      | 1.0   | ug/L |   |          | 07/03/25 12:08 | 1       |
| Acetone                      | 2.2       | J         | 5.0      | 1.5   | ug/L |   |          | 07/03/25 12:08 | 1       |
| Benzene                      | ND        |           | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Bromochloromethane           | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Bromodichloromethane         | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Bromoform                    | ND        |           | 1.0      | 0.30  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Bromomethane                 | ND        | ^c cn     | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Carbon disulfide             | ND        |           | 1.0      | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Carbon tetrachloride         | ND        |           | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Chlorobenzene                | ND        |           | 0.50     | 0.070 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Chloroethane                 | ND        | ^c cn     | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Chloroform                   | ND        |           | 0.50     | 0.090 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Chloromethane                | ND        | ^c cn     | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| cis-1,2-Dichloroethene       | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| cis-1,3-Dichloropropene      | ND        |           | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Dibromochloromethane         | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Ethylbenzene                 | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Methyl tert-butyl ether      | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Methylene Chloride           | ND        |           | 0.50     | 0.20  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Styrene                      | ND        |           | 0.50     | 0.070 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Tetrachloroethene            | ND        |           | 0.50     | 0.20  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Toluene                      | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| trans-1,2-Dichloroethene     | ND        |           | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| trans-1,3-Dichloropropene    | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Trichloroethene              | ND        |           | 0.50     | 0.080 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Vinyl chloride               | ND        |           | 0.50     | 0.10  | ug/L |   |          | 07/03/25 12:08 | 1       |
| Xylenes, Total               | ND        |           | 1.0      | 0.070 | ug/L |   |          | 07/03/25 12:08 | 1       |
| Surrogate                    | %Recovery | Qualifier | Limits   |       |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 80 - 120 |       |      |   |          | 07/03/25 12:08 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 80 - 120 |       |      |   |          | 07/03/25 12:08 | 1       |
| Dibromofluoromethane (Surr)  | 108       |           | 80 - 120 |       |      |   |          | 07/03/25 12:08 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |       |      |   |          | 07/03/25 12:08 | 1       |

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-7-0/1-0

Lab Sample ID: 410-229793-2

Date Collected: 06/25/25 07:48

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 12:29 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 12:29 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 12:29 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 12:29 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 12:29 | 1       |
| Acetone                     | 1.5    | J         | 5.0  | 1.5   | ug/L |   |          | 07/03/25 12:29 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Chloroform                  | 0.13   | J         | 0.50 | 0.090 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Toluene                     | 0.082  | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Trichloroethene             | 0.13   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:29 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:29 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 12:29 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 80 - 120 |          | 07/03/25 12:29 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 80 - 120 |          | 07/03/25 12:29 | 1       |
| Dibromofluoromethane (Surr)  | 111       |           | 80 - 120 |          | 07/03/25 12:29 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 07/03/25 12:29 | 1       |

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-8-0/1-0

Lab Sample ID: 410-229793-3

Date Collected: 06/25/25 06:15

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 12:49 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 12:49 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 12:49 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 12:49 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 12:49 | 1       |
| Acetone                     | ND     |           | 5.0  | 1.5   | ug/L |   |          | 07/03/25 12:49 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.090 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| cis-1,2-Dichloroethene      | 0.12   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Tetrachloroethene           | 0.59   |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Toluene                     | 0.11   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Trichloroethene             | 0.11   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 12:49 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 12:49 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 12:49 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 113       |           | 80 - 120 |          | 07/03/25 12:49 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 80 - 120 |          | 07/03/25 12:49 | 1       |
| Dibromofluoromethane (Surr)  | 113       |           | 80 - 120 |          | 07/03/25 12:49 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 07/03/25 12:49 | 1       |

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-9-0/1-0

Lab Sample ID: 410-229793-4

Date Collected: 06/25/25 08:35

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:09 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:09 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 13:09 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 13:09 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 13:09 | 1       |
| Acetone                     | 2.0    | J         | 5.0  | 1.5   | ug/L |   |          | 07/03/25 13:09 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Chloroform                  | 0.19   | J         | 0.50 | 0.090 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| cis-1,2-Dichloroethene      | 0.11   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Tetrachloroethene           | 0.27   | J         | 0.50 | 0.20  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Toluene                     | 0.10   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Trichloroethene             | 0.14   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:09 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:09 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 13:09 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 116       |           | 80 - 120 |          | 07/03/25 13:09 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 80 - 120 |          | 07/03/25 13:09 | 1       |
| Dibromofluoromethane (Surr)  | 115       |           | 80 - 120 |          | 07/03/25 13:09 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 07/03/25 13:09 | 1       |



# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-13-0/1-0

Lab Sample ID: 410-229793-5

Date Collected: 06/25/25 06:28

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:30 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:30 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 13:30 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 13:30 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 13:30 | 1       |
| Acetone                     | 1.8    | J         | 5.0  | 1.5   | ug/L |   |          | 07/03/25 13:30 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.090 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| cis-1,2-Dichloroethene      | 0.12   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Tetrachloroethene           | 0.44   | J         | 0.50 | 0.20  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Toluene                     | 0.10   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Trichloroethene             | 0.12   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:30 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:30 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 13:30 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 112       |           | 80 - 120 |          | 07/03/25 13:30 | 1       |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 80 - 120 |          | 07/03/25 13:30 | 1       |
| Dibromofluoromethane (Surr)  | 111       |           | 80 - 120 |          | 07/03/25 13:30 | 1       |
| Toluene-d8 (Surr)            | 96        |           | 80 - 120 |          | 07/03/25 13:30 | 1       |

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-15-0/1-0

Lab Sample ID: 410-229793-6

Date Collected: 06/25/25 08:15

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:50 | 1       |
| 1,1,1-Trichloroethane       | 0.40   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     | FL        | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| 1,1-Dichloroethane          | 0.13   | J         | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| 1,1-Dichloroethene          | 0.23   | J         | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:50 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| 2-Butanone (MEK)            | ND     | F2        | 5.0  | 1.0   | ug/L |   |          | 07/03/25 13:50 | 1       |
| 2-Hexanone                  | ND     | F2        | 5.0  | 2.0   | ug/L |   |          | 07/03/25 13:50 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     | F2        | 5.0  | 1.0   | ug/L |   |          | 07/03/25 13:50 | 1       |
| Acetone                     | ND     | F2        | 5.0  | 1.5   | ug/L |   |          | 07/03/25 13:50 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Chloroform                  | 0.24   | J         | 0.50 | 0.090 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Chloromethane               | ND     | ^c FL cn  | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| cis-1,2-Dichloroethene      | 1.4    |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Dibromochloromethane        | ND     | FL        | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Tetrachloroethene           | 5.8    | FL        | 0.50 | 0.20  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Trichloroethene             | 1.6    | FL        | 0.50 | 0.080 | ug/L |   |          | 07/03/25 13:50 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 13:50 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 13:50 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 80 - 120 |          | 07/03/25 13:50 | 1       |
| 4-Bromofluorobenzene (Surr)  | 89        |           | 80 - 120 |          | 07/03/25 13:50 | 1       |
| Dibromofluoromethane (Surr)  | 113       |           | 80 - 120 |          | 07/03/25 13:50 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 07/03/25 13:50 | 1       |

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-16-0/1-0

Lab Sample ID: 410-229793-7

Date Collected: 06/25/25 06:45

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:11 | 1       |
| 1,1,1-Trichloroethane       | 0.16   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:11 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 15:11 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 15:11 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 15:11 | 1       |
| Acetone                     | ND     |           | 5.0  | 1.5   | ug/L |   |          | 07/03/25 15:11 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.090 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| cis-1,2-Dichloroethene      | 0.16   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Tetrachloroethene           | 2.4    |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Toluene                     | 0.082  | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Trichloroethene             | 0.14   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:11 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:11 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 15:11 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 111       |           | 80 - 120 |          | 07/03/25 15:11 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 80 - 120 |          | 07/03/25 15:11 | 1       |
| Dibromofluoromethane (Surr)  | 108       |           | 80 - 120 |          | 07/03/25 15:11 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 07/03/25 15:11 | 1       |

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-17-0/1-0

Lab Sample ID: 410-229793-8

Date Collected: 06/25/25 06:57

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:53 | 1       |
| 1,1,1-Trichloroethane       | 10     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| 1,1-Dichloroethane          | 1.7    |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| 1,1-Dichloroethene          | 0.77   |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:53 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 16:53 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 16:53 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 16:53 | 1       |
| Acetone                     | ND     |           | 5.0  | 1.5   | ug/L |   |          | 07/03/25 16:53 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 16:53 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| Chloroform                  | 0.18   | J         | 0.50 | 0.090 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| cis-1,2-Dichloroethene      | 2.4    |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 16:53 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Trichloroethene             | 3.7    |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:53 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:53 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 16:53 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 114       |           | 80 - 120 |          | 07/03/25 16:53 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 80 - 120 |          | 07/03/25 16:53 | 1       |
| Dibromofluoromethane (Surr)  | 109       |           | 80 - 120 |          | 07/03/25 16:53 | 1       |
| Toluene-d8 (Surr)            | 95        |           | 80 - 120 |          | 07/03/25 16:53 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte           | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Tetrachloroethene | 130    |           | 10 | 4.0 | ug/L |   |          | 07/03/25 17:13 | 20      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 116       |           | 80 - 120 |          | 07/03/25 17:13 | 20      |

Eurofins Lancaster Laboratories Environment Testing, LLC

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-17-0/1-0

Lab Sample ID: 410-229793-8

Date Collected: 06/25/25 06:57

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 90        |           | 80 - 120 |          | 07/03/25 17:13 | 20      |
| Dibromofluoromethane (Surr) | 113       |           | 80 - 120 |          | 07/03/25 17:13 | 20      |
| Toluene-d8 (Surr)           | 97        |           | 80 - 120 |          | 07/03/25 17:13 | 20      |

Client Sample ID: HD-COD-SW-26-0/1-0

Lab Sample ID: 410-229793-9

Date Collected: 06/25/25 07:30

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:32 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:32 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 15:32 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 15:32 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 15:32 | 1       |
| Acetone                     | ND     |           | 5.0  | 1.5   | ug/L |   |          | 07/03/25 15:32 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Chloroform                  | 0.11   | J         | 0.50 | 0.090 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Toluene                     | 0.085  | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Trichloroethene             | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:32 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:32 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 15:32 | 1       |

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-26-0/1-0

Lab Sample ID: 410-229793-9

Date Collected: 06/25/25 07:30

Matrix: Water

Date Received: 06/26/25 16:54

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 116       |           | 80 - 120 |          | 07/03/25 15:32 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 80 - 120 |          | 07/03/25 15:32 | 1       |
| Dibromofluoromethane (Surr)  | 110       |           | 80 - 120 |          | 07/03/25 15:32 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 07/03/25 15:32 | 1       |

Client Sample ID: HD-COD-SW-27-0/1-0

Lab Sample ID: 410-229793-10

Date Collected: 06/25/25 08:00

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:52 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:52 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 15:52 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 15:52 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 15:52 | 1       |
| Acetone                     | ND     |           | 5.0  | 1.5   | ug/L |   |          | 07/03/25 15:52 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Chloroform                  | 0.12   | J         | 0.50 | 0.090 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| cis-1,2-Dichloroethene      | 0.091  | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Tetrachloroethene           | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Toluene                     | 0.085  | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Trichloroethene             | 0.11   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 15:52 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 15:52 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 15:52 | 1       |

# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-27-0/1-0

Lab Sample ID: 410-229793-10

Date Collected: 06/25/25 08:00

Matrix: Water

Date Received: 06/26/25 16:54

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110       |           | 80 - 120 |          | 07/03/25 15:52 | 1       |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 80 - 120 |          | 07/03/25 15:52 | 1       |
| Dibromofluoromethane (Surr)  | 108       |           | 80 - 120 |          | 07/03/25 15:52 | 1       |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 07/03/25 15:52 | 1       |

Client Sample ID: HD-COD-SW-28-0/1-0

Lab Sample ID: 410-229793-11

Date Collected: 06/25/25 08:47

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:12 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:12 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 16:12 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 16:12 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 16:12 | 1       |
| Acetone                     | 1.8    | J         | 5.0  | 1.5   | ug/L |   |          | 07/03/25 16:12 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Chloroform                  | 0.15   | J         | 0.50 | 0.090 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| cis-1,2-Dichloroethene      | 0.090  | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Tetrachloroethene           | 0.22   | J         | 0.50 | 0.20  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Toluene                     | 0.090  | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Trichloroethene             | 0.11   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:12 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:12 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 16:12 | 1       |



# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-28-0/1-0

Lab Sample ID: 410-229793-11

Date Collected: 06/25/25 08:47

Matrix: Water

Date Received: 06/26/25 16:54

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 115       |           | 80 - 120 |          | 07/03/25 16:12 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 80 - 120 |          | 07/03/25 16:12 | 1       |
| Dibromofluoromethane (Surr)  | 110       |           | 80 - 120 |          | 07/03/25 16:12 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 07/03/25 16:12 | 1       |

Client Sample ID: HD-COD-SW-29-0/1-0

Lab Sample ID: 410-229793-12

Date Collected: 06/25/25 06:00

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:33 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:33 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 16:33 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 16:33 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 16:33 | 1       |
| Acetone                     | ND     |           | 5.0  | 1.5   | ug/L |   |          | 07/03/25 16:33 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Chloroform                  | 0.091  | J         | 0.50 | 0.090 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| cis-1,2-Dichloroethene      | 0.11   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Tetrachloroethene           | 0.36   | J         | 0.50 | 0.20  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Toluene                     | 0.099  | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Trichloroethene             | 0.11   | J         | 0.50 | 0.080 | ug/L |   |          | 07/03/25 16:33 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 16:33 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 16:33 | 1       |



# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-COD-SW-29-0/1-0

Lab Sample ID: 410-229793-12

Date Collected: 06/25/25 06:00

Matrix: Water

Date Received: 06/26/25 16:54

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 117       |           | 80 - 120 |          | 07/03/25 16:33 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 80 - 120 |          | 07/03/25 16:33 | 1       |
| Dibromofluoromethane (Surr)  | 112       |           | 80 - 120 |          | 07/03/25 16:33 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 80 - 120 |          | 07/03/25 16:33 | 1       |

Client Sample ID: HD-QC1-0/1-1

Lab Sample ID: 410-229793-13

Date Collected: 06/25/25 08:00

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 17:34 | 1       |
| 1,1,1-Trichloroethane       | 11     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| 1,1-Dichloroethane          | 1.7    |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| 1,1-Dichloroethene          | 0.81   |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 17:34 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 17:34 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 17:34 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 17:34 | 1       |
| Acetone                     | ND     |           | 5.0  | 1.5   | ug/L |   |          | 07/03/25 17:34 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 17:34 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| Chloroform                  | 0.18   | J         | 0.50 | 0.090 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| cis-1,2-Dichloroethene      | 2.4    |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 17:34 | 1       |
| Styrene                     | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Toluene                     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| trans-1,2-Dichloroethene    | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| trans-1,3-Dichloropropene   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Trichloroethene             | 3.6    |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 17:34 | 1       |
| Vinyl chloride              | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 17:34 | 1       |
| Xylenes, Total              | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 17:34 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 113       |           | 80 - 120 |          | 07/03/25 17:34 | 1       |

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# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-QC1-0/1-1

Lab Sample ID: 410-229793-13

Date Collected: 06/25/25 08:00

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 89        |           | 80 - 120 |          | 07/03/25 17:34 | 1       |
| Dibromofluoromethane (Surr) | 112       |           | 80 - 120 |          | 07/03/25 17:34 | 1       |
| Toluene-d8 (Surr)           | 94        |           | 80 - 120 |          | 07/03/25 17:34 | 1       |

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL

| Analyte           | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-------------------|--------|-----------|----|-----|------|---|----------|----------------|---------|
| Tetrachloroethene | 120    |           | 10 | 4.0 | ug/L |   |          | 07/03/25 17:54 | 20      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 116       |           | 80 - 120 |          | 07/03/25 17:54 | 20      |
| 4-Bromofluorobenzene (Surr)  | 90        |           | 80 - 120 |          | 07/03/25 17:54 | 20      |
| Dibromofluoromethane (Surr)  | 111       |           | 80 - 120 |          | 07/03/25 17:54 | 20      |
| Toluene-d8 (Surr)            | 98        |           | 80 - 120 |          | 07/03/25 17:54 | 20      |

Client Sample ID: HD-QC1-0/1-2

Lab Sample ID: 410-229793-14

Date Collected: 06/24/25 00:00

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 11:07 | 1       |
| 1,1,1-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| 1,1,2-Trichloroethane       | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| 1,1-Dichloroethane          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| 1,1-Dichloroethene          | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| 1,2-Dibromoethane (EDB)     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| 1,2-Dichloroethane          | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 11:07 | 1       |
| 1,2-Dichloropropane         | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| 2-Butanone (MEK)            | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 11:07 | 1       |
| 2-Hexanone                  | ND     |           | 5.0  | 2.0   | ug/L |   |          | 07/03/25 11:07 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND     |           | 5.0  | 1.0   | ug/L |   |          | 07/03/25 11:07 | 1       |
| Acetone                     | ND     |           | 5.0  | 1.5   | ug/L |   |          | 07/03/25 11:07 | 1       |
| Benzene                     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| Bromochloromethane          | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Bromodichloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Bromoform                   | ND     |           | 1.0  | 0.30  | ug/L |   |          | 07/03/25 11:07 | 1       |
| Bromomethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| Carbon disulfide            | ND     |           | 1.0  | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| Carbon tetrachloride        | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| Chlorobenzene               | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Chloroethane                | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| Chloroform                  | ND     |           | 0.50 | 0.090 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Chloromethane               | ND     | ^c cn     | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| cis-1,2-Dichloroethene      | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| cis-1,3-Dichloropropene     | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| Dibromochloromethane        | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Ethylbenzene                | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Methyl tert-butyl ether     | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Methylene Chloride          | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 11:07 | 1       |

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# Client Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Client Sample ID: HD-QC1-0/1-2

Lab Sample ID: 410-229793-14

Date Collected: 06/24/25 00:00

Matrix: Water

Date Received: 06/26/25 16:54

## Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

| Analyte                   | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Styrene                   | ND     |           | 0.50 | 0.070 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Tetrachloroethene         | ND     |           | 0.50 | 0.20  | ug/L |   |          | 07/03/25 11:07 | 1       |
| Toluene                   | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| trans-1,2-Dichloroethene  | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| trans-1,3-Dichloropropene | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Trichloroethene           | ND     |           | 0.50 | 0.080 | ug/L |   |          | 07/03/25 11:07 | 1       |
| Vinyl chloride            | ND     |           | 0.50 | 0.10  | ug/L |   |          | 07/03/25 11:07 | 1       |
| Xylenes, Total            | ND     |           | 1.0  | 0.070 | ug/L |   |          | 07/03/25 11:07 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 113       |           | 80 - 120 |          | 07/03/25 11:07 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92        |           | 80 - 120 |          | 07/03/25 11:07 | 1       |
| Dibromofluoromethane (Surr)  | 108       |           | 80 - 120 |          | 07/03/25 11:07 | 1       |
| Toluene-d8 (Surr)            | 99        |           | 80 - 120 |          | 07/03/25 11:07 | 1       |

## Default Detection Limits

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

### Method: 8260D - Volatile Organic Compounds by GC/MS

| Analyte                     | RL        | MDL        |
|-----------------------------|-----------|------------|
| 1,1,1,2-Tetrachloroethane   | 0.50 ug/L | 0.070 ug/L |
| 1,1,1-Trichloroethane       | 0.50 ug/L | 0.080 ug/L |
| 1,1,2,2-Tetrachloroethane   | 0.50 ug/L | 0.10 ug/L  |
| 1,1,2-Trichloroethane       | 0.50 ug/L | 0.080 ug/L |
| 1,1-Dichloroethane          | 0.50 ug/L | 0.10 ug/L  |
| 1,1-Dichloroethene          | 0.50 ug/L | 0.10 ug/L  |
| 1,2-Dibromoethane (EDB)     | 0.50 ug/L | 0.080 ug/L |
| 1,2-Dichloroethane          | 0.50 ug/L | 0.070 ug/L |
| 1,2-Dichloropropane         | 0.50 ug/L | 0.10 ug/L  |
| 2-Butanone (MEK)            | 5.0 ug/L  | 1.0 ug/L   |
| 2-Hexanone                  | 5.0 ug/L  | 2.0 ug/L   |
| 4-Methyl-2-pentanone (MIBK) | 5.0 ug/L  | 1.0 ug/L   |
| Acetone                     | 5.0 ug/L  | 1.5 ug/L   |
| Benzene                     | 0.50 ug/L | 0.10 ug/L  |
| Bromochloromethane          | 0.50 ug/L | 0.080 ug/L |
| Bromodichloromethane        | 0.50 ug/L | 0.080 ug/L |
| Bromoform                   | 1.0 ug/L  | 0.30 ug/L  |
| Bromomethane                | 0.50 ug/L | 0.10 ug/L  |
| Carbon disulfide            | 1.0 ug/L  | 0.10 ug/L  |
| Carbon tetrachloride        | 0.50 ug/L | 0.10 ug/L  |
| Chlorobenzene               | 0.50 ug/L | 0.070 ug/L |
| Chloroethane                | 0.50 ug/L | 0.10 ug/L  |
| Chloroform                  | 0.50 ug/L | 0.090 ug/L |
| Chloromethane               | 0.50 ug/L | 0.10 ug/L  |
| cis-1,2-Dichloroethene      | 0.50 ug/L | 0.080 ug/L |
| cis-1,3-Dichloropropene     | 0.50 ug/L | 0.10 ug/L  |
| Dibromochloromethane        | 0.50 ug/L | 0.080 ug/L |
| Ethylbenzene                | 0.50 ug/L | 0.080 ug/L |
| Methyl tert-butyl ether     | 0.50 ug/L | 0.080 ug/L |
| Methylene Chloride          | 0.50 ug/L | 0.20 ug/L  |
| Styrene                     | 0.50 ug/L | 0.070 ug/L |
| Tetrachloroethene           | 0.50 ug/L | 0.20 ug/L  |
| Toluene                     | 0.50 ug/L | 0.080 ug/L |
| trans-1,2-Dichloroethene    | 0.50 ug/L | 0.10 ug/L  |
| trans-1,3-Dichloropropene   | 0.50 ug/L | 0.080 ug/L |
| Trichloroethene             | 0.50 ug/L | 0.080 ug/L |
| Vinyl chloride              | 0.50 ug/L | 0.10 ug/L  |
| Xylenes, Total              | 1.0 ug/L  | 0.070 ug/L |

# Surrogate Summary

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                 |                  |                 |
|--------------------|------------------------|------------------------------------------------|-----------------|------------------|-----------------|
|                    |                        | DCA<br>(80-120)                                | BFB<br>(80-120) | DBFM<br>(80-120) | TOL<br>(80-120) |
| 410-229793-1       | HD-COD-SW-6-0/1-0      | 110                                            | 91              | 108              | 98              |
| 410-229793-2       | HD-COD-SW-7-0/1-0      | 111                                            | 89              | 111              | 98              |
| 410-229793-3       | HD-COD-SW-8-0/1-0      | 113                                            | 90              | 113              | 98              |
| 410-229793-4       | HD-COD-SW-9-0/1-0      | 116                                            | 89              | 115              | 99              |
| 410-229793-5       | HD-COD-SW-13-0/1-0     | 112                                            | 90              | 111              | 96              |
| 410-229793-6       | HD-COD-SW-15-0/1-0     | 111                                            | 89              | 113              | 98              |
| 410-229793-6 MS    | HD-COD-SW-15-0/1-0 MS  | 108                                            | 100             | 104              | 104             |
| 410-229793-6 MSD   | HD-COD-SW-15-0/1-0 MSD | 108                                            | 102             | 103              | 104             |
| 410-229793-7       | HD-COD-SW-16-0/1-0     | 111                                            | 91              | 108              | 99              |
| 410-229793-8       | HD-COD-SW-17-0/1-0     | 114                                            | 91              | 109              | 95              |
| 410-229793-8 - DL  | HD-COD-SW-17-0/1-0     | 116                                            | 90              | 113              | 97              |
| 410-229793-9       | HD-COD-SW-26-0/1-0     | 116                                            | 92              | 110              | 98              |
| 410-229793-10      | HD-COD-SW-27-0/1-0     | 110                                            | 93              | 108              | 98              |
| 410-229793-11      | HD-COD-SW-28-0/1-0     | 115                                            | 94              | 110              | 99              |
| 410-229793-12      | HD-COD-SW-29-0/1-0     | 117                                            | 94              | 112              | 100             |
| 410-229793-13      | HD-QC1-0/1-1           | 113                                            | 89              | 112              | 94              |
| 410-229793-13 - DL | HD-QC1-0/1-1           | 116                                            | 90              | 111              | 98              |
| 410-229793-14      | HD-QC1-0/1-2           | 113                                            | 92              | 108              | 99              |
| LCS 410-666534/4   | Lab Control Sample     | 105                                            | 100             | 103              | 105             |
| LCSD 410-666534/5  | Lab Control Sample Dup | 111                                            | 102             | 100              | 104             |
| MB 410-666534/7    | Method Blank           | 110                                            | 95              | 107              | 98              |

### Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

# QC Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 410-666534/7

Matrix: Water

Analysis Batch: 666534

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte                     | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------------|-----------------|------|-------|------|---|----------|----------------|---------|
| 1,1,1,2-Tetrachloroethane   | ND           |                 | 0.50 | 0.070 | ug/L |   |          | 07/03/25 10:40 | 1       |
| 1,1,1-Trichloroethane       | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| 1,1,2,2-Tetrachloroethane   | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| 1,1,2-Trichloroethane       | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| 1,1-Dichloroethane          | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| 1,1-Dichloroethene          | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| 1,2-Dibromoethane (EDB)     | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| 1,2-Dichloroethane          | ND           |                 | 0.50 | 0.070 | ug/L |   |          | 07/03/25 10:40 | 1       |
| 1,2-Dichloropropane         | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| 2-Butanone (MEK)            | ND           |                 | 5.0  | 1.0   | ug/L |   |          | 07/03/25 10:40 | 1       |
| 2-Hexanone                  | ND           |                 | 5.0  | 2.0   | ug/L |   |          | 07/03/25 10:40 | 1       |
| 4-Methyl-2-pentanone (MIBK) | ND           |                 | 5.0  | 1.0   | ug/L |   |          | 07/03/25 10:40 | 1       |
| Acetone                     | ND           |                 | 5.0  | 1.5   | ug/L |   |          | 07/03/25 10:40 | 1       |
| Benzene                     | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Bromochloromethane          | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Bromodichloromethane        | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Bromoform                   | ND           |                 | 1.0  | 0.30  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Bromomethane                | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Carbon disulfide            | ND           |                 | 1.0  | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Carbon tetrachloride        | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Chlorobenzene               | ND           |                 | 0.50 | 0.070 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Chloroethane                | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Chloroform                  | ND           |                 | 0.50 | 0.090 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Chloromethane               | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| cis-1,2-Dichloroethene      | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| cis-1,3-Dichloropropene     | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Dibromochloromethane        | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Ethylbenzene                | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Methyl tert-butyl ether     | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Methylene Chloride          | ND           |                 | 0.50 | 0.20  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Styrene                     | ND           |                 | 0.50 | 0.070 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Tetrachloroethene           | ND           |                 | 0.50 | 0.20  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Toluene                     | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| trans-1,2-Dichloroethene    | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| trans-1,3-Dichloropropene   | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Trichloroethene             | ND           |                 | 0.50 | 0.080 | ug/L |   |          | 07/03/25 10:40 | 1       |
| Vinyl chloride              | ND           |                 | 0.50 | 0.10  | ug/L |   |          | 07/03/25 10:40 | 1       |
| Xylenes, Total              | ND           |                 | 1.0  | 0.070 | ug/L |   |          | 07/03/25 10:40 | 1       |

| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 110             |                 | 80 - 120 |          | 07/03/25 10:40 | 1       |
| 4-Bromofluorobenzene (Surr)  | 95              |                 | 80 - 120 |          | 07/03/25 10:40 | 1       |
| Dibromofluoromethane (Surr)  | 107             |                 | 80 - 120 |          | 07/03/25 10:40 | 1       |
| Toluene-d8 (Surr)            | 98              |                 | 80 - 120 |          | 07/03/25 10:40 | 1       |

# QC Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

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

Lab Sample ID: LCS 410-666534/4

Matrix: Water

Analysis Batch: 666534

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   | 5.00        | 4.49       |               | ug/L |   | 90   | 80 - 122    |
| 1,1,1-Trichloroethane       | 5.00        | 4.51       |               | ug/L |   | 90   | 78 - 126    |
| 1,1,2,2-Tetrachloroethane   | 5.00        | 4.05       |               | ug/L |   | 81   | 75 - 123    |
| 1,1,2-Trichloroethane       | 5.00        | 4.43       |               | ug/L |   | 89   | 80 - 120    |
| 1,1-Dichloroethane          | 5.00        | 4.50       |               | ug/L |   | 90   | 74 - 120    |
| 1,1-Dichloroethene          | 5.00        | 4.70       |               | ug/L |   | 94   | 80 - 131    |
| 1,2-Dibromoethane (EDB)     | 5.00        | 4.33       |               | ug/L |   | 87   | 80 - 120    |
| 1,2-Dichloroethane          | 5.00        | 4.21       |               | ug/L |   | 84   | 69 - 122    |
| 1,2-Dichloropropane         | 5.00        | 4.40       |               | ug/L |   | 88   | 80 - 120    |
| 2-Butanone (MEK)            | 62.5        | 52.0       |               | ug/L |   | 83   | 59 - 141    |
| 2-Hexanone                  | 62.5        | 55.4       |               | ug/L |   | 89   | 52 - 140    |
| 4-Methyl-2-pentanone (MIBK) | 62.5        | 55.5       |               | ug/L |   | 89   | 55 - 140    |
| Acetone                     | 62.5        | 45.9       |               | ug/L |   | 73   | 60 - 146    |
| Benzene                     | 5.00        | 4.35       |               | ug/L |   | 87   | 80 - 120    |
| Bromochloromethane          | 5.00        | 4.46       |               | ug/L |   | 89   | 80 - 133    |
| Bromodichloromethane        | 5.00        | 4.29       |               | ug/L |   | 86   | 80 - 123    |
| Bromoform                   | 5.00        | 4.27       |               | ug/L |   | 85   | 75 - 126    |
| Bromomethane                | 5.00        | 3.96       |               | ug/L |   | 79   | 63 - 120    |
| Carbon disulfide            | 5.00        | 4.12       |               | ug/L |   | 82   | 67 - 130    |
| Carbon tetrachloride        | 5.00        | 4.54       |               | ug/L |   | 91   | 64 - 141    |
| Chlorobenzene               | 5.00        | 4.41       |               | ug/L |   | 88   | 80 - 120    |
| Chloroethane                | 5.00        | 4.03       |               | ug/L |   | 81   | 63 - 120    |
| Chloroform                  | 5.00        | 4.39       |               | ug/L |   | 88   | 80 - 120    |
| Chloromethane               | 5.00        | 3.75       |               | ug/L |   | 75   | 56 - 124    |
| cis-1,2-Dichloroethene      | 5.00        | 4.77       |               | ug/L |   | 95   | 80 - 122    |
| cis-1,3-Dichloropropene     | 5.00        | 4.08       |               | ug/L |   | 82   | 67 - 121    |
| Dibromochloromethane        | 5.00        | 4.26       |               | ug/L |   | 85   | 80 - 123    |
| Ethylbenzene                | 5.00        | 4.41       |               | ug/L |   | 88   | 80 - 120    |
| Methyl tert-butyl ether     | 5.00        | 4.17       |               | ug/L |   | 83   | 69 - 120    |
| Methylene Chloride          | 5.00        | 4.57       |               | ug/L |   | 91   | 80 - 120    |
| Styrene                     | 5.00        | 4.92       |               | ug/L |   | 98   | 80 - 120    |
| Tetrachloroethene           | 5.00        | 4.32       |               | ug/L |   | 86   | 80 - 120    |
| Toluene                     | 5.00        | 4.49       |               | ug/L |   | 90   | 80 - 120    |
| trans-1,2-Dichloroethene    | 5.00        | 4.68       |               | ug/L |   | 94   | 80 - 122    |
| trans-1,3-Dichloropropene   | 5.00        | 4.33       |               | ug/L |   | 87   | 61 - 129    |
| Trichloroethene             | 5.00        | 4.22       |               | ug/L |   | 84   | 80 - 120    |
| Vinyl chloride              | 5.00        | 4.31       |               | ug/L |   | 86   | 60 - 125    |
| Xylenes, Total              | 15.0        | 13.6       |               | ug/L |   | 91   | 80 - 120    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 105           |               | 80 - 120 |
| 4-Bromofluorobenzene (Surr)  | 100           |               | 80 - 120 |
| Dibromofluoromethane (Surr)  | 103           |               | 80 - 120 |
| Toluene-d8 (Surr)            | 105           |               | 80 - 120 |

# QC Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

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

Lab Sample ID: LCSD 410-666534/5

Matrix: Water

Analysis Batch: 666534

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   | 5.00        | 4.58        |                | ug/L |   | 92   | 80 - 122    | 2   | 30        |
| 1,1,1-Trichloroethane       | 5.00        | 4.52        |                | ug/L |   | 90   | 78 - 126    | 0   | 30        |
| 1,1,2,2-Tetrachloroethane   | 5.00        | 4.11        |                | ug/L |   | 82   | 75 - 123    | 1   | 30        |
| 1,1,2-Trichloroethane       | 5.00        | 4.64        |                | ug/L |   | 93   | 80 - 120    | 5   | 30        |
| 1,1-Dichloroethane          | 5.00        | 4.58        |                | ug/L |   | 92   | 74 - 120    | 2   | 30        |
| 1,1-Dichloroethene          | 5.00        | 4.76        |                | ug/L |   | 95   | 80 - 131    | 1   | 30        |
| 1,2-Dibromoethane (EDB)     | 5.00        | 4.48        |                | ug/L |   | 90   | 80 - 120    | 3   | 30        |
| 1,2-Dichloroethane          | 5.00        | 4.29        |                | ug/L |   | 86   | 69 - 122    | 2   | 30        |
| 1,2-Dichloropropane         | 5.00        | 4.40        |                | ug/L |   | 88   | 80 - 120    | 0   | 30        |
| 2-Butanone (MEK)            | 62.5        | 47.1        |                | ug/L |   | 75   | 59 - 141    | 10  | 30        |
| 2-Hexanone                  | 62.5        | 48.7        |                | ug/L |   | 78   | 52 - 140    | 13  | 30        |
| 4-Methyl-2-pentanone (MIBK) | 62.5        | 48.6        |                | ug/L |   | 78   | 55 - 140    | 13  | 30        |
| Acetone                     | 62.5        | 40.8        |                | ug/L |   | 65   | 60 - 146    | 12  | 30        |
| Benzene                     | 5.00        | 4.45        |                | ug/L |   | 89   | 80 - 120    | 2   | 30        |
| Bromochloromethane          | 5.00        | 4.42        |                | ug/L |   | 88   | 80 - 133    | 1   | 30        |
| Bromodichloromethane        | 5.00        | 4.36        |                | ug/L |   | 87   | 80 - 123    | 2   | 30        |
| Bromoform                   | 5.00        | 4.42        |                | ug/L |   | 88   | 75 - 126    | 4   | 30        |
| Bromomethane                | 5.00        | 3.98        |                | ug/L |   | 80   | 63 - 120    | 1   | 30        |
| Carbon disulfide            | 5.00        | 4.10        |                | ug/L |   | 82   | 67 - 130    | 1   | 30        |
| Carbon tetrachloride        | 5.00        | 4.55        |                | ug/L |   | 91   | 64 - 141    | 0   | 30        |
| Chlorobenzene               | 5.00        | 4.45        |                | ug/L |   | 89   | 80 - 120    | 1   | 30        |
| Chloroethane                | 5.00        | 4.05        |                | ug/L |   | 81   | 63 - 120    | 1   | 30        |
| Chloroform                  | 5.00        | 4.38        |                | ug/L |   | 88   | 80 - 120    | 0   | 30        |
| Chloromethane               | 5.00        | 3.64        |                | ug/L |   | 73   | 56 - 124    | 3   | 30        |
| cis-1,2-Dichloroethene      | 5.00        | 4.79        |                | ug/L |   | 96   | 80 - 122    | 0   | 30        |
| cis-1,3-Dichloropropene     | 5.00        | 4.20        |                | ug/L |   | 84   | 67 - 121    | 3   | 30        |
| Dibromochloromethane        | 5.00        | 4.37        |                | ug/L |   | 87   | 80 - 123    | 2   | 30        |
| Ethylbenzene                | 5.00        | 4.50        |                | ug/L |   | 90   | 80 - 120    | 2   | 30        |
| Methyl tert-butyl ether     | 5.00        | 4.35        |                | ug/L |   | 87   | 69 - 120    | 4   | 30        |
| Methylene Chloride          | 5.00        | 4.63        |                | ug/L |   | 93   | 80 - 120    | 1   | 30        |
| Styrene                     | 5.00        | 4.99        |                | ug/L |   | 100  | 80 - 120    | 2   | 30        |
| Tetrachloroethene           | 5.00        | 4.29        |                | ug/L |   | 86   | 80 - 120    | 1   | 30        |
| Toluene                     | 5.00        | 4.55        |                | ug/L |   | 91   | 80 - 120    | 1   | 30        |
| trans-1,2-Dichloroethene    | 5.00        | 4.72        |                | ug/L |   | 94   | 80 - 122    | 1   | 30        |
| trans-1,3-Dichloropropene   | 5.00        | 4.33        |                | ug/L |   | 87   | 61 - 129    | 0   | 30        |
| Trichloroethene             | 5.00        | 4.28        |                | ug/L |   | 86   | 80 - 120    | 1   | 30        |
| Vinyl chloride              | 5.00        | 4.29        |                | ug/L |   | 86   | 60 - 125    | 0   | 30        |
| Xylenes, Total              | 15.0        | 14.0        |                | ug/L |   | 93   | 80 - 120    | 2   | 30        |

| Surrogate                    | LCSD %Recovery | LCSD Qualifier | Limits   |
|------------------------------|----------------|----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 111            |                | 80 - 120 |
| 4-Bromofluorobenzene (Surr)  | 102            |                | 80 - 120 |
| Dibromofluoromethane (Surr)  | 100            |                | 80 - 120 |
| Toluene-d8 (Surr)            | 104            |                | 80 - 120 |



# QC Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

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

Lab Sample ID: 410-229793-6 MS

Matrix: Water

Analysis Batch: 666534

Client Sample ID: HD-COD-SW-15-0/1-0 MS

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|-----------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| 1,1,1,2-Tetrachloroethane   | ND            |                  | 5.00        | 5.23      |              | ug/L |   | 104  | 80 - 122    |
| 1,1,1-Trichloroethane       | 0.40          | J                | 5.00        | 5.85      |              | ug/L |   | 109  | 78 - 126    |
| 1,1,2,2-Tetrachloroethane   | ND            | FL               | 5.00        | 4.37      |              | ug/L |   | 87   | 75 - 123    |
| 1,1,2-Trichloroethane       | ND            |                  | 5.00        | 4.92      |              | ug/L |   | 98   | 80 - 120    |
| 1,1-Dichloroethane          | 0.13          | J                | 5.00        | 5.46      |              | ug/L |   | 106  | 74 - 120    |
| 1,1-Dichloroethene          | 0.23          | J                | 5.00        | 5.98      |              | ug/L |   | 115  | 80 - 131    |
| 1,2-Dibromoethane (EDB)     | ND            |                  | 5.00        | 4.77      |              | ug/L |   | 95   | 80 - 120    |
| 1,2-Dichloroethane          | ND            |                  | 5.00        | 4.59      |              | ug/L |   | 92   | 69 - 122    |
| 1,2-Dichloropropane         | ND            |                  | 5.00        | 5.06      |              | ug/L |   | 101  | 80 - 120    |
| 2-Butanone (MEK)            | ND            | F2               | 62.6        | 59.5      |              | ug/L |   | 95   | 59 - 141    |
| 2-Hexanone                  | ND            | F2               | 62.6        | 65.1      |              | ug/L |   | 104  | 52 - 140    |
| 4-Methyl-2-pentanone (MIBK) | ND            | F2               | 62.6        | 63.6      |              | ug/L |   | 102  | 55 - 140    |
| Acetone                     | ND            | F2               | 62.6        | 55.5      |              | ug/L |   | 89   | 60 - 146    |
| Benzene                     | ND            |                  | 5.00        | 5.17      |              | ug/L |   | 103  | 80 - 120    |
| Bromochloromethane          | ND            |                  | 5.00        | 5.05      |              | ug/L |   | 101  | 80 - 133    |
| Bromodichloromethane        | ND            |                  | 5.00        | 4.87      |              | ug/L |   | 97   | 80 - 123    |
| Bromoform                   | ND            |                  | 5.00        | 4.71      |              | ug/L |   | 94   | 75 - 126    |
| Bromomethane                | ND            | ^c cn            | 5.00        | 4.75      |              | ug/L |   | 95   | 63 - 120    |
| Carbon disulfide            | ND            |                  | 5.00        | 5.03      |              | ug/L |   | 100  | 67 - 130    |
| Carbon tetrachloride        | ND            |                  | 5.00        | 5.70      |              | ug/L |   | 114  | 64 - 141    |
| Chlorobenzene               | ND            |                  | 5.00        | 5.17      |              | ug/L |   | 103  | 80 - 120    |
| Chloroethane                | ND            | ^c cn            | 5.00        | 4.72      |              | ug/L |   | 94   | 63 - 120    |
| Chloroform                  | 0.24          | J                | 5.00        | 5.41      |              | ug/L |   | 103  | 80 - 120    |
| Chloromethane               | ND            | ^c FL cn         | 5.00        | 4.40      |              | ug/L |   | 88   | 80 - 120    |
| cis-1,2-Dichloroethene      | 1.4           |                  | 5.00        | 6.94      |              | ug/L |   | 112  | 80 - 122    |
| cis-1,3-Dichloropropene     | ND            |                  | 5.00        | 4.37      |              | ug/L |   | 87   | 67 - 121    |
| Dibromochloromethane        | ND            | FL               | 5.00        | 4.86      |              | ug/L |   | 97   | 80 - 123    |
| Ethylbenzene                | ND            |                  | 5.00        | 5.22      |              | ug/L |   | 104  | 80 - 120    |
| Methyl tert-butyl ether     | ND            |                  | 5.00        | 4.47      |              | ug/L |   | 89   | 69 - 120    |
| Methylene Chloride          | ND            |                  | 5.00        | 5.26      |              | ug/L |   | 105  | 80 - 120    |
| Styrene                     | ND            |                  | 5.00        | 5.63      |              | ug/L |   | 113  | 80 - 120    |
| Tetrachloroethene           | 5.8           | FL               | 5.00        | 10.7      |              | ug/L |   | 98   | 80 - 120    |
| Toluene                     | ND            |                  | 5.00        | 5.39      |              | ug/L |   | 108  | 80 - 120    |
| trans-1,2-Dichloroethene    | ND            |                  | 5.00        | 5.56      |              | ug/L |   | 111  | 80 - 122    |
| trans-1,3-Dichloropropene   | ND            |                  | 5.00        | 4.66      |              | ug/L |   | 93   | 61 - 129    |
| Trichloroethene             | 1.6           | FL               | 5.00        | 6.56      |              | ug/L |   | 99   | 80 - 120    |
| Vinyl chloride              | ND            |                  | 5.00        | 5.21      |              | ug/L |   | 104  | 60 - 125    |
| Xylenes, Total              | ND            |                  | 15.0        | 16.2      |              | ug/L |   | 108  | 80 - 120    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 108          |              | 80 - 120 |
| 4-Bromofluorobenzene (Surr)  | 100          |              | 80 - 120 |
| Dibromofluoromethane (Surr)  | 104          |              | 80 - 120 |
| Toluene-d8 (Surr)            | 104          |              | 80 - 120 |

# QC Sample Results

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

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

Lab Sample ID: 410-229793-6 MSD

Matrix: Water

Analysis Batch: 666534

Client Sample ID: HD-COD-SW-15-0/1-0 MSD

Prep Type: Total/NA

| Analyte                     | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| 1,1,1,2-Tetrachloroethane   | ND            |                  | 5.00        | 4.32       |               | ug/L |   | 86   | 80 - 122    | 19  | 30        |
| 1,1,1-Trichloroethane       | 0.40          | J                | 5.00        | 4.78       |               | ug/L |   | 87   | 78 - 126    | 20  | 30        |
| 1,1,2,2-Tetrachloroethane   | ND            | FL               | 5.00        | 3.69       | FL            | ug/L |   | 74   | 75 - 123    | 17  | 30        |
| 1,1,2-Trichloroethane       | ND            |                  | 5.00        | 4.06       |               | ug/L |   | 81   | 80 - 120    | 19  | 30        |
| 1,1-Dichloroethane          | 0.13          | J                | 5.00        | 4.53       |               | ug/L |   | 88   | 74 - 120    | 19  | 30        |
| 1,1-Dichloroethene          | 0.23          | J                | 5.00        | 4.88       |               | ug/L |   | 93   | 80 - 131    | 20  | 30        |
| 1,2-Dibromoethane (EDB)     | ND            |                  | 5.00        | 4.02       |               | ug/L |   | 80   | 80 - 120    | 17  | 30        |
| 1,2-Dichloroethane          | ND            |                  | 5.00        | 4.06       |               | ug/L |   | 81   | 69 - 122    | 12  | 30        |
| 1,2-Dichloropropane         | ND            |                  | 5.00        | 4.18       |               | ug/L |   | 84   | 80 - 120    | 19  | 30        |
| 2-Butanone (MEK)            | ND            | F2               | 62.6        | 41.7       | F2            | ug/L |   | 67   | 59 - 141    | 35  | 30        |
| 2-Hexanone                  | ND            | F2               | 62.6        | 46.0       | F2            | ug/L |   | 73   | 52 - 140    | 34  | 30        |
| 4-Methyl-2-pentanone (MIBK) | ND            | F2               | 62.6        | 45.6       | F2            | ug/L |   | 73   | 55 - 140    | 33  | 30        |
| Acetone                     | ND            | F2               | 62.6        | 40.0       | F2            | ug/L |   | 64   | 60 - 146    | 32  | 30        |
| Benzene                     | ND            |                  | 5.00        | 4.24       |               | ug/L |   | 85   | 80 - 120    | 20  | 30        |
| Bromochloromethane          | ND            |                  | 5.00        | 4.17       |               | ug/L |   | 83   | 80 - 133    | 19  | 30        |
| Bromodichloromethane        | ND            |                  | 5.00        | 4.05       |               | ug/L |   | 81   | 80 - 123    | 18  | 30        |
| Bromoform                   | ND            |                  | 5.00        | 3.85       |               | ug/L |   | 77   | 75 - 126    | 20  | 30        |
| Bromomethane                | ND            | ^c cn            | 5.00        | 4.17       |               | ug/L |   | 83   | 63 - 120    | 13  | 30        |
| Carbon disulfide            | ND            |                  | 5.00        | 4.07       |               | ug/L |   | 81   | 67 - 130    | 21  | 30        |
| Carbon tetrachloride        | ND            |                  | 5.00        | 4.63       |               | ug/L |   | 92   | 64 - 141    | 21  | 30        |
| Chlorobenzene               | ND            |                  | 5.00        | 4.25       |               | ug/L |   | 85   | 80 - 120    | 20  | 30        |
| Chloroethane                | ND            | ^c cn            | 5.00        | 4.25       |               | ug/L |   | 85   | 63 - 120    | 10  | 30        |
| Chloroform                  | 0.24          | J                | 5.00        | 4.41       |               | ug/L |   | 83   | 80 - 120    | 21  | 30        |
| Chloromethane               | ND            | ^c FL cn         | 5.00        | 3.68       | FL            | ug/L |   | 74   | 80 - 120    | 18  | 30        |
| cis-1,2-Dichloroethene      | 1.4           |                  | 5.00        | 5.61       |               | ug/L |   | 85   | 80 - 122    | 21  | 30        |
| cis-1,3-Dichloropropene     | ND            |                  | 5.00        | 3.72       |               | ug/L |   | 74   | 67 - 121    | 16  | 30        |
| Dibromochloromethane        | ND            | FL               | 5.00        | 3.96       | FL            | ug/L |   | 79   | 80 - 123    | 20  | 30        |
| Ethylbenzene                | ND            |                  | 5.00        | 4.26       |               | ug/L |   | 85   | 80 - 120    | 20  | 30        |
| Methyl tert-butyl ether     | ND            |                  | 5.00        | 3.85       |               | ug/L |   | 77   | 69 - 120    | 15  | 30        |
| Methylene Chloride          | ND            |                  | 5.00        | 4.37       |               | ug/L |   | 87   | 80 - 120    | 18  | 30        |
| Styrene                     | ND            |                  | 5.00        | 4.56       |               | ug/L |   | 91   | 80 - 120    | 21  | 30        |
| Tetrachloroethene           | 5.8           | FL               | 5.00        | 8.88       | FL            | ug/L |   | 62   | 80 - 120    | 18  | 30        |
| Toluene                     | ND            |                  | 5.00        | 4.38       |               | ug/L |   | 88   | 80 - 120    | 21  | 30        |
| trans-1,2-Dichloroethene    | ND            |                  | 5.00        | 4.48       |               | ug/L |   | 90   | 80 - 122    | 22  | 30        |
| trans-1,3-Dichloropropene   | ND            |                  | 5.00        | 3.98       |               | ug/L |   | 79   | 61 - 129    | 16  | 30        |
| Trichloroethene             | 1.6           | FL               | 5.00        | 5.48       | FL            | ug/L |   | 77   | 80 - 120    | 18  | 30        |
| Vinyl chloride              | ND            |                  | 5.00        | 4.71       |               | ug/L |   | 94   | 60 - 125    | 10  | 30        |
| Xylenes, Total              | ND            |                  | 15.0        | 13.2       |               | ug/L |   | 88   | 80 - 120    | 20  | 30        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | MSD Limits |
|------------------------------|---------------|---------------|------------|
| 1,2-Dichloroethane-d4 (Surr) | 108           |               | 80 - 120   |
| 4-Bromofluorobenzene (Surr)  | 102           |               | 80 - 120   |
| Dibromofluoromethane (Surr)  | 103           |               | 80 - 120   |
| Toluene-d8 (Surr)            | 104           |               | 80 - 120   |

## QC Association Summary

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

### GC/MS VOA

Analysis Batch: 666534

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 410-229793-1       | HD-COD-SW-6-0/1-0      | Total/NA  | Water  | 8260D  |            |
| 410-229793-2       | HD-COD-SW-7-0/1-0      | Total/NA  | Water  | 8260D  |            |
| 410-229793-3       | HD-COD-SW-8-0/1-0      | Total/NA  | Water  | 8260D  |            |
| 410-229793-4       | HD-COD-SW-9-0/1-0      | Total/NA  | Water  | 8260D  |            |
| 410-229793-5       | HD-COD-SW-13-0/1-0     | Total/NA  | Water  | 8260D  |            |
| 410-229793-6       | HD-COD-SW-15-0/1-0     | Total/NA  | Water  | 8260D  |            |
| 410-229793-7       | HD-COD-SW-16-0/1-0     | Total/NA  | Water  | 8260D  |            |
| 410-229793-8       | HD-COD-SW-17-0/1-0     | Total/NA  | Water  | 8260D  |            |
| 410-229793-8 - DL  | HD-COD-SW-17-0/1-0     | Total/NA  | Water  | 8260D  |            |
| 410-229793-9       | HD-COD-SW-26-0/1-0     | Total/NA  | Water  | 8260D  |            |
| 410-229793-10      | HD-COD-SW-27-0/1-0     | Total/NA  | Water  | 8260D  |            |
| 410-229793-11      | HD-COD-SW-28-0/1-0     | Total/NA  | Water  | 8260D  |            |
| 410-229793-12      | HD-COD-SW-29-0/1-0     | Total/NA  | Water  | 8260D  |            |
| 410-229793-13      | HD-QC1-0/1-1           | Total/NA  | Water  | 8260D  |            |
| 410-229793-13 - DL | HD-QC1-0/1-1           | Total/NA  | Water  | 8260D  |            |
| 410-229793-14      | HD-QC1-0/1-2           | Total/NA  | Water  | 8260D  |            |
| MB 410-666534/7    | Method Blank           | Total/NA  | Water  | 8260D  |            |
| LCS 410-666534/4   | Lab Control Sample     | Total/NA  | Water  | 8260D  |            |
| LCSD 410-666534/5  | Lab Control Sample Dup | Total/NA  | Water  | 8260D  |            |
| 410-229793-6 MS    | HD-COD-SW-15-0/1-0 MS  | Total/NA  | Water  | 8260D  |            |
| 410-229793-6 MSD   | HD-COD-SW-15-0/1-0 MSD | Total/NA  | Water  | 8260D  |            |

# Lab Chronicle

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

**Client Sample ID: HD-COD-SW-6-0/1-0**

**Lab Sample ID: 410-229793-1**

**Date Collected: 06/25/25 07:12**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 12:08       |

**Client Sample ID: HD-COD-SW-7-0/1-0**

**Lab Sample ID: 410-229793-2**

**Date Collected: 06/25/25 07:48**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 12:29       |

**Client Sample ID: HD-COD-SW-8-0/1-0**

**Lab Sample ID: 410-229793-3**

**Date Collected: 06/25/25 06:15**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 12:49       |

**Client Sample ID: HD-COD-SW-9-0/1-0**

**Lab Sample ID: 410-229793-4**

**Date Collected: 06/25/25 08:35**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 13:09       |

**Client Sample ID: HD-COD-SW-13-0/1-0**

**Lab Sample ID: 410-229793-5**

**Date Collected: 06/25/25 06:28**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 13:30       |

**Client Sample ID: HD-COD-SW-15-0/1-0**

**Lab Sample ID: 410-229793-6**

**Date Collected: 06/25/25 08:15**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 13:50       |

**Client Sample ID: HD-COD-SW-16-0/1-0**

**Lab Sample ID: 410-229793-7**

**Date Collected: 06/25/25 06:45**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 15:11       |

# Lab Chronicle

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

**Client Sample ID: HD-COD-SW-17-0/1-0**

**Lab Sample ID: 410-229793-8**

**Date Collected: 06/25/25 06:57**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 16:53       |
| Total/NA  | Analysis   | 8260D        | DL  | 20              | 666534       | N7YK    | ELLE | 07/03/25 17:13       |

**Client Sample ID: HD-COD-SW-26-0/1-0**

**Lab Sample ID: 410-229793-9**

**Date Collected: 06/25/25 07:30**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 15:32       |

**Client Sample ID: HD-COD-SW-27-0/1-0**

**Lab Sample ID: 410-229793-10**

**Date Collected: 06/25/25 08:00**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 15:52       |

**Client Sample ID: HD-COD-SW-28-0/1-0**

**Lab Sample ID: 410-229793-11**

**Date Collected: 06/25/25 08:47**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 16:12       |

**Client Sample ID: HD-COD-SW-29-0/1-0**

**Lab Sample ID: 410-229793-12**

**Date Collected: 06/25/25 06:00**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 16:33       |

**Client Sample ID: HD-QC1-0/1-1**

**Lab Sample ID: 410-229793-13**

**Date Collected: 06/25/25 08:00**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 17:34       |
| Total/NA  | Analysis   | 8260D        | DL  | 20              | 666534       | N7YK    | ELLE | 07/03/25 17:54       |

**Client Sample ID: HD-QC1-0/1-2**

**Lab Sample ID: 410-229793-14**

**Date Collected: 06/24/25 00:00**

**Matrix: Water**

**Date Received: 06/26/25 16:54**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab  | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|------|----------------------|
| Total/NA  | Analysis   | 8260D        |     | 1               | 666534       | N7YK    | ELLE | 07/03/25 11:07       |

## Lab Chronicle

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

### Laboratory References:

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

Accreditation/Certification Summary

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

| Authority    | Program | Identification Number | Expiration Date |
|--------------|---------|-----------------------|-----------------|
| Pennsylvania | NELAP   | 36-00037              | 01-31-26        |

## Method Summary

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

| Method | Method Description                  | Protocol | Laboratory |
|--------|-------------------------------------|----------|------------|
| 8260D  | Volatile Organic Compounds by GC/MS | SW846    | ELLE       |
| 5030C  | Purge and Trap                      | SW846    | ELLE       |

**Protocol References:**

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

**Laboratory References:**

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



## Sample Summary

Client: Groundwater Sciences Corporation  
Project/Site: fYNOP Monthly Surface Water

Job ID: 410-229793-1

| Lab Sample ID | Client Sample ID   | Matrix | Collected      | Received       |
|---------------|--------------------|--------|----------------|----------------|
| 410-229793-1  | HD-COD-SW-6-0/1-0  | Water  | 06/25/25 07:12 | 06/26/25 16:54 |
| 410-229793-2  | HD-COD-SW-7-0/1-0  | Water  | 06/25/25 07:48 | 06/26/25 16:54 |
| 410-229793-3  | HD-COD-SW-8-0/1-0  | Water  | 06/25/25 06:15 | 06/26/25 16:54 |
| 410-229793-4  | HD-COD-SW-9-0/1-0  | Water  | 06/25/25 08:35 | 06/26/25 16:54 |
| 410-229793-5  | HD-COD-SW-13-0/1-0 | Water  | 06/25/25 06:28 | 06/26/25 16:54 |
| 410-229793-6  | HD-COD-SW-15-0/1-0 | Water  | 06/25/25 08:15 | 06/26/25 16:54 |
| 410-229793-7  | HD-COD-SW-16-0/1-0 | Water  | 06/25/25 06:45 | 06/26/25 16:54 |
| 410-229793-8  | HD-COD-SW-17-0/1-0 | Water  | 06/25/25 06:57 | 06/26/25 16:54 |
| 410-229793-9  | HD-COD-SW-26-0/1-0 | Water  | 06/25/25 07:30 | 06/26/25 16:54 |
| 410-229793-10 | HD-COD-SW-27-0/1-0 | Water  | 06/25/25 08:00 | 06/26/25 16:54 |
| 410-229793-11 | HD-COD-SW-28-0/1-0 | Water  | 06/25/25 08:47 | 06/26/25 16:54 |
| 410-229793-12 | HD-COD-SW-29-0/1-0 | Water  | 06/25/25 06:00 | 06/26/25 16:54 |
| 410-229793-13 | HD-QC1-0/1-1       | Water  | 06/25/25 08:00 | 06/26/25 16:54 |
| 410-229793-14 | HD-QC1-0/1-2       | Water  | 06/24/25 00:00 | 06/26/25 16:54 |

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 617959

Lab Sample ID: IC 410-617959/13

Client Sample ID:

Date Analyzed: 03/17/25 19:05

Lab File ID: IM17X12.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME          | RETENTION<br>TIME | MANUAL INTEGRATION        |         |                |
|------------------------|-------------------|---------------------------|---------|----------------|
|                        |                   | REASON                    | ANALYST | DATE           |
| 1,3-Butadiene          | 2.07              | Incomplete Integration    | K4WN    | 03/18/25 08:15 |
| Bromomethane           | 2.40              | Incomplete Integration    | K4WN    | 03/18/25 08:15 |
| Trichlorofluoromethane | 2.75              | Incomplete Integration    | K4WN    | 03/18/25 08:15 |
| cis-1,2-Dichloroethene | 5.78              | Peak assignment corrected | K4WN    | 03/18/25 08:15 |
| Trichloroethene        | 7.84              | Incomplete Integration    | K4WN    | 03/18/25 08:15 |

Lab Sample ID: IC 410-617959/14

Client Sample ID:

Date Analyzed: 03/17/25 19:25

Lab File ID: IM17X13.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME             | RETENTION<br>TIME | MANUAL INTEGRATION        |         |                |
|---------------------------|-------------------|---------------------------|---------|----------------|
|                           |                   | REASON                    | ANALYST | DATE           |
| 2-Butanone (MEK)          | 5.84              | Incomplete Integration    | K4WN    | 03/18/25 08:17 |
| Propionitrile             | 5.90              | Incomplete Integration    | K4WN    | 03/18/25 08:18 |
| Dibromomethane            | 8.28              | Peak assignment corrected | K4WN    | 03/18/25 08:16 |
| 1,4-Dioxane               | 8.29              | Incomplete Integration    | K4WN    | 03/18/25 08:19 |
| Methyl methacrylate       | 8.33              | Incomplete Integration    | K4WN    | 03/18/25 08:19 |
| Methyl acetate            |                   | Invalid Compound ID       | K4WN    | 03/18/25 08:17 |
| Styrene                   | 11.49             | Peak assignment corrected | K4WN    | 03/18/25 08:17 |
| 1,1,2,2-Tetrachloroethane | 12.01             | Peak assignment corrected | K4WN    | 03/18/25 08:17 |

Lab Sample ID: IC 410-617959/15

Client Sample ID:

Date Analyzed: 03/17/25 19:46

Lab File ID: IM17X14.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME  | RETENTION<br>TIME | MANUAL INTEGRATION     |         |                |
|----------------|-------------------|------------------------|---------|----------------|
|                |                   | REASON                 | ANALYST | DATE           |
| Methyl acetate | 3.71              | Incomplete Integration | K4WN    | 03/18/25 08:20 |
| Acrylonitrile  | 4.26              | Incomplete Integration | K4WN    | 03/18/25 08:21 |

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 617959

Lab Sample ID: IC 410-617959/16

Client Sample ID:

Date Analyzed: 03/17/25 20:07

Lab File ID: IM17X15.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME  | RETENTION<br>TIME | MANUAL INTEGRATION     |         |                |
|----------------|-------------------|------------------------|---------|----------------|
|                |                   | REASON                 | ANALYST | DATE           |
| Methyl acetate | 3.69              | Incomplete Integration | K4WN    | 03/18/25 08:22 |

Lab Sample ID: IC 410-617959/17

Client Sample ID:

Date Analyzed: 03/17/25 20:28

Lab File ID: IM17X16.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME  | RETENTION<br>TIME | MANUAL INTEGRATION     |         |                |
|----------------|-------------------|------------------------|---------|----------------|
|                |                   | REASON                 | ANALYST | DATE           |
| Methyl acetate | 3.69              | Incomplete Integration | K4WN    | 03/18/25 08:23 |

Lab Sample ID: IC 410-617959/18

Client Sample ID:

Date Analyzed: 03/17/25 20:49

Lab File ID: IM17X17.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME  | RETENTION<br>TIME | MANUAL INTEGRATION     |         |                |
|----------------|-------------------|------------------------|---------|----------------|
|                |                   | REASON                 | ANALYST | DATE           |
| Methyl acetate | 3.67              | Incomplete Integration | K4WN    | 03/18/25 08:24 |
| 1,4-Dioxane    | 8.25              | Incomplete Integration | K4WN    | 03/18/25 08:24 |

Lab Sample ID: ICIS 410-617959/19

Client Sample ID:

Date Analyzed: 03/17/25 21:10

Lab File ID: IM17X18.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME  | RETENTION<br>TIME | MANUAL INTEGRATION     |         |                |
|----------------|-------------------|------------------------|---------|----------------|
|                |                   | REASON                 | ANALYST | DATE           |
| Methyl acetate | 3.67              | Incomplete Integration | K4WN    | 03/18/25 08:24 |
| 1,4-Dioxane    | 8.25              | Incomplete Integration | K4WN    | 03/18/25 08:25 |

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 617959

Lab Sample ID: IC 410-617959/20

Client Sample ID:

Date Analyzed: 03/17/25 21:31

Lab File ID: IM17X19.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME  | RETENTION<br>TIME | MANUAL INTEGRATION     |         |                |
|----------------|-------------------|------------------------|---------|----------------|
|                |                   | REASON                 | ANALYST | DATE           |
| Methyl acetate | 3.67              | Incomplete Integration | K4WN    | 03/18/25 08:25 |
| 1,4-Dioxane    | 8.25              | Incomplete Integration | K4WN    | 03/18/25 08:26 |

Lab Sample ID: ICV 410-617959/22

Client Sample ID:

Date Analyzed: 03/17/25 22:13

Lab File ID: IM17X21.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME  | RETENTION<br>TIME | MANUAL INTEGRATION     |         |                |
|----------------|-------------------|------------------------|---------|----------------|
|                |                   | REASON                 | ANALYST | DATE           |
| Methyl acetate | 3.68              | Incomplete Integration | K4WN    | 03/18/25 09:32 |

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 666534

Lab Sample ID: CCVIS 410-666534/3

Client Sample ID:

Date Analyzed: 07/03/25 09:18

Lab File ID: IL03X02.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME          | RETENTION<br>TIME | MANUAL INTEGRATION     |         |                |
|------------------------|-------------------|------------------------|---------|----------------|
|                        |                   | REASON                 | ANALYST | DATE           |
| Trichlorofluoromethane | 2.75              | Incomplete Integration | N7YK    | 07/03/25 10:14 |
| Methyl acetate         | 3.62              | Incomplete Integration | N7YK    | 07/03/25 10:14 |

Lab Sample ID: 410-229793-1

Client Sample ID: HD-COD-SW-6-0/1-0

Date Analyzed: 07/03/25 12:08

Lab File ID: IL03X10.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME          | RETENTION<br>TIME | MANUAL INTEGRATION     |         |                |
|------------------------|-------------------|------------------------|---------|----------------|
|                        |                   | REASON                 | ANALYST | DATE           |
| cis-1,2-Dichloroethene | 5.74              | Incomplete Integration | N9NA    | 07/04/25 12:20 |

Lab Sample ID: 410-229793-2

Client Sample ID: HD-COD-SW-7-0/1-0

Date Analyzed: 07/03/25 12:29

Lab File ID: IL03X11.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME          | RETENTION<br>TIME | MANUAL INTEGRATION        |         |                |
|------------------------|-------------------|---------------------------|---------|----------------|
|                        |                   | REASON                    | ANALYST | DATE           |
| cis-1,2-Dichloroethene | 5.74              | Peak assignment corrected | N9NA    | 07/04/25 12:21 |
| Trichloroethene        | 7.85              | Incomplete Integration    | N9NA    | 07/04/25 12:21 |

Lab Sample ID: 410-229793-3

Client Sample ID: HD-COD-SW-8-0/1-0

Date Analyzed: 07/03/25 12:49

Lab File ID: IL03X12.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME         | RETENTION<br>TIME | MANUAL INTEGRATION  |         |                |
|-----------------------|-------------------|---------------------|---------|----------------|
|                       |                   | REASON              | ANALYST | DATE           |
| 1,1,1-Trichloroethane |                   | Invalid Compound ID | N9NA    | 07/04/25 12:22 |

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

Instrument ID: 19930

Analysis Batch Number: 666534

Lab Sample ID: 410-229793-10

Client Sample ID: HD-COD-SW-27-0/1-0

Date Analyzed: 07/03/25 15:52

Lab File ID: IL03X21.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME     | RETENTION<br>TIME | MANUAL INTEGRATION        |         |                |
|-------------------|-------------------|---------------------------|---------|----------------|
|                   |                   | REASON                    | ANALYST | DATE           |
| Tetrachloroethene | 10.07             | Peak assignment corrected | N9NA    | 07/04/25 12:29 |

Lab Sample ID: 410-229793-13

Client Sample ID: HD-QC1-0/1-1

Date Analyzed: 07/03/25 17:34

Lab File ID: IL03X26.D

GC Column: R-624SilMS 30 ID: 0.25 (mm)

| COMPOUND NAME         | RETENTION<br>TIME | MANUAL INTEGRATION  |         |                |
|-----------------------|-------------------|---------------------|---------|----------------|
|                       |                   | REASON              | ANALYST | DATE           |
| 1,1,2-Trichloroethane |                   | Invalid Compound ID | N9NA    | 07/04/25 12:33 |

## REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID             | Exp Date   | Prep Date            | Dilutant Used       | Reagent Final Volume | Parent Reagent      |              | Analyte                            | Concentration |
|------------------------|------------|----------------------|---------------------|----------------------|---------------------|--------------|------------------------------------|---------------|
|                        |            |                      |                     |                      | Reagent ID          | Volume Added |                                    |               |
| MSV_CCV_SIM_00073      | 03/24/25   | 03/17/25             | Methanol, Lot EH822 | 10 mL                | MSV_CCV_GASES_01047 | 100 uL       | 1,2-Dichloro-1,1,2-trifluoroethane | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Bromomethane                       | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Butadiene                          | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Chloroethane                       | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Chloromethane                      | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Dichlorodifluoromethane            | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Dichlorofluoromethane              | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Trichlorofluoromethane             | 20 ug/mL      |
|                        |            |                      |                     |                      | MSV_V_SIM_00049     | 100 uL       | Vinyl chloride                     | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | 1,1-Dichloroethene                 | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | cis-1,2-Dichloroethene             | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Tetrachloroethene                  | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Trichloroethene                    | 20 ug/mL      |
|                        |            |                      |                     |                      |                     |              |                                    |               |
| .MSV_CCV_GASES_01047   | 03/24/25   | Restek, Lot A0212054 |                     |                      | (Purchased Reagent) |              | 1,2-Dichloro-1,1,2-trifluoroethane | 2000 ug/mL    |
|                        |            |                      |                     |                      |                     |              | Bromomethane                       | 2000 ug/mL    |
|                        |            |                      |                     |                      |                     |              | Butadiene                          | 2000 ug/mL    |
|                        |            |                      |                     |                      |                     |              | Chloroethane                       | 2000 ug/mL    |
|                        |            |                      |                     |                      |                     |              | Chloromethane                      | 2000 ug/mL    |
|                        |            |                      |                     |                      |                     |              | Dichlorodifluoromethane            | 2000 ug/mL    |
|                        |            |                      |                     |                      |                     |              | Dichlorofluoromethane              | 2000 ug/mL    |
|                        |            |                      |                     |                      |                     |              | Trichlorofluoromethane             | 2000 ug/mL    |
|                        |            |                      |                     |                      |                     |              | Vinyl chloride                     | 2000 ug/mL    |
|                        |            |                      |                     |                      |                     |              | .MSV_V_SIM_00049                   | 04/10/25      |
| cis-1,2-Dichloroethene | 2000 ug/mL |                      |                     |                      |                     |              |                                    |               |
| Tetrachloroethene      | 2000 ug/mL |                      |                     |                      |                     |              |                                    |               |
| Trichloroethene        | 2000 ug/mL |                      |                     |                      |                     |              |                                    |               |
| MSV_LCS_VOC#1_00213    | 04/16/25   | 03/17/25             | Methanol, Lot EH471 | 25 mL                | MSV_M_MIX1SEC_00259 | 1 mL         | 1,1,1,2-Tetrachloroethane          | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | 1,1,1-Trichloroethane              | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | 1,1,2,2-Tetrachloroethane          | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | 1,1,2-Trichloroethane              | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | 1,1-Dichloroethane                 | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | 1,1-Dichloroethene                 | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | 1,2-Dibromoethane (EDB)            | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | 1,2-Dichloroethane                 | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | 1,2-Dichloropropane                | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Benzene                            | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Bromochloromethane                 | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Bromodichloromethane               | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Bromoform                          | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Carbon tetrachloride               | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Chlorobenzene                      | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | Chloroform                         | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | cis-1,2-Dichloroethene             | 40 ug/mL      |
|                        |            |                      |                     |                      |                     |              | cis-1,3-Dichloropropene            | 40 ug/mL      |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID                | Exp Date   | Prep Date            | Dilutant Used | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|---------------------------|------------|----------------------|---------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                           |            |                      |               |                      | Reagent ID          | Volume Added |                             |               |
|                           |            |                      |               |                      |                     |              | Dibromochloromethane        | 40 ug/mL      |
|                           |            |                      |               |                      |                     |              | Ethylbenzene                | 40 ug/mL      |
|                           |            |                      |               |                      |                     |              | Methylene Chloride          | 40 ug/mL      |
|                           |            |                      |               |                      |                     |              | Styrene                     | 40 ug/mL      |
|                           |            |                      |               |                      |                     |              | Tetrachloroethene           | 40 ug/mL      |
|                           |            |                      |               |                      |                     |              | Toluene                     | 40 ug/mL      |
|                           |            |                      |               |                      |                     |              | trans-1,2-Dichloroethene    | 40 ug/mL      |
|                           |            |                      |               |                      |                     |              | trans-1,3-Dichloropropene   | 40 ug/mL      |
|                           |            |                      |               |                      | MSV_M_MIX2SEC_00256 | 1 mL         | Trichloroethene             | 40 ug/mL      |
|                           |            |                      |               |                      |                     |              | Carbon disulfide            | 40 ug/mL      |
|                           |            |                      |               |                      | MSV_Q_Ketones_00256 | 1 mL         | Methyl tert-butyl ether     | 40 ug/mL      |
|                           |            |                      |               |                      |                     |              | 2-Butanone (MEK)            | 500 ug/mL     |
|                           |            |                      |               |                      |                     |              | 2-Hexanone                  | 500 ug/mL     |
|                           |            |                      |               |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 500 ug/mL     |
|                           |            |                      |               |                      |                     |              | Acetone                     | 500 ug/mL     |
|                           |            |                      |               |                      |                     |              | 1,1,1,2-Tetrachloroethane   | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | 1,1,1-Trichloroethane       | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | 1,1,2,2-Tetrachloroethane   | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | 1,1,2-Trichloroethane       | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | 1,1-Dichloroethane          | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | 1,1-Dichloroethene          | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | 1,2-Dibromoethane (EDB)     | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | 1,2-Dichloroethane          | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | 1,2-Dichloropropane         | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | Benzene                     | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | Bromochloromethane          | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | Bromodichloromethane        | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | Bromoform                   | 1000 ug/mL    |
| Carbon tetrachloride      | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| Chlorobenzene             | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| Chloroform                | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| cis-1,2-Dichloroethene    | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| cis-1,3-Dichloropropene   | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| Dibromochloromethane      | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| Ethylbenzene              | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| Methylene Chloride        | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| Styrene                   | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| Tetrachloroethene         | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| Toluene                   | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| trans-1,2-Dichloroethene  | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| trans-1,3-Dichloropropene | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| Trichloroethene           | 1000 ug/mL |                      |               |                      |                     |              |                             |               |
| .MSV_M_MIX2SEC_00256      | 05/31/27   | Restek, Lot A0212017 |               |                      | (Purchased Reagent) |              | Carbon disulfide            | 1000 ug/mL    |
|                           |            |                      |               |                      |                     |              | Methyl tert-butyl ether     | 1000 ug/mL    |
| .MSV_Q_Ketones_00256      | 04/30/27   | Restek, Lot A0209876 |               |                      | (Purchased Reagent) |              | 2-Butanone (MEK)            | 12500 ug/mL   |
|                           |            |                      |               |                      |                     |              | 2-Hexanone                  | 12500 ug/mL   |



REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID           | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |                           | Analyte                     | Concentration |
|----------------------|----------|-----------|----------------------|----------------------|---------------------|---------------------------|-----------------------------|---------------|
|                      |          |           |                      |                      | Reagent ID          | Volume Added              |                             |               |
|                      |          |           |                      |                      |                     |                           | 4-Methyl-2-pentanone (MIBK) | 12500 ug/mL   |
|                      |          |           |                      |                      |                     |                           | Acetone                     | 12500 ug/mL   |
| MSV_LCS_VOC#1_00226  | 07/30/25 | 06/30/25  | Methanol, Lot EH471  | 25 mL                | MSV_M_MIX1SEC_00275 | 1 mL                      | 1,1,1,2-Tetrachloroethane   | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | 1,1,1-Trichloroethane       | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | 1,1,2,2-Tetrachloroethane   | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | 1,1,2-Trichloroethane       | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | 1,1-Dichloroethane          | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | 1,1-Dichloroethene          | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | 1,2-Dibromoethane (EDB)     | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | 1,2-Dichloroethane          | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | 1,2-Dichloropropane         | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Benzene                     | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Bromochloromethane          | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Bromodichloromethane        | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Bromoform                   | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Carbon tetrachloride        | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Chlorobenzene               | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Chloroform                  | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | cis-1,2-Dichloroethene      | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | cis-1,3-Dichloropropene     | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Dibromochloromethane        | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Ethylbenzene                | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Methylene Chloride          | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Styrene                     | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Tetrachloroethene           | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Toluene                     | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | trans-1,2-Dichloroethene    | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | trans-1,3-Dichloropropene   | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Trichloroethene             | 40 ug/mL      |
|                      |          |           |                      |                      | MSV_M_MIX2SEC_00279 | 1 mL                      | Carbon disulfide            | 40 ug/mL      |
|                      |          |           |                      |                      |                     |                           | Methyl tert-butyl ether     | 40 ug/mL      |
|                      |          |           |                      |                      | MSV_Q_Ketones_00284 | 1 mL                      | 2-Butanone (MEK)            | 500 ug/mL     |
|                      |          |           |                      |                      |                     |                           | 2-Hexanone                  | 500 ug/mL     |
|                      |          |           |                      |                      |                     |                           | 4-Methyl-2-pentanone (MIBK) | 500 ug/mL     |
|                      |          |           |                      |                      |                     |                           | Acetone                     | 500 ug/mL     |
| .MSV_M_MIX1SEC_00275 | 12/31/27 |           | Restek, Lot A0225025 |                      | (Purchased Reagent) | 1,1,1,2-Tetrachloroethane | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | 1,1,1-Trichloroethane     | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | 1,1,2,2-Tetrachloroethane | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | 1,1,2-Trichloroethane     | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | 1,1-Dichloroethane        | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | 1,1-Dichloroethene        | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | 1,2-Dibromoethane (EDB)   | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | 1,2-Dichloroethane        | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | 1,2-Dichloropropane       | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | Benzene                   | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     | Bromochloromethane        | 1000 ug/mL                  |               |
|                      |          |           |                      |                      |                     |                           |                             |               |
|                      |          |           |                      |                      |                     |                           |                             |               |
|                      |          |           |                      |                      |                     |                           |                             |               |
|                      |          |           |                      |                      |                     |                           |                             |               |

## REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID           | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|----------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                      |          |           |                      |                      | Reagent ID          | Volume Added |                             |               |
|                      |          |           |                      |                      |                     |              | Bromodichloromethane        | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Bromoform                   | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Carbon tetrachloride        | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Chlorobenzene               | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Chloroform                  | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | cis-1,2-Dichloroethene      | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | cis-1,3-Dichloropropene     | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Dibromochloromethane        | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Ethylbenzene                | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Methylene Chloride          | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Styrene                     | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Tetrachloroethene           | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Toluene                     | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | trans-1,2-Dichloroethene    | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | trans-1,3-Dichloropropene   | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | Trichloroethene             | 1000 ug/mL    |
| .MSV_M_MIX2SEC_00279 | 05/31/28 |           | Restek, Lot A0225702 |                      | (Purchased Reagent) |              | Carbon disulfide            | 1000 ug/mL    |
| .MSV_Q_Ketones_00284 | 04/20/27 |           | Restek, Lot A0209876 |                      | (Purchased Reagent) |              | Methyl tert-butyl ether     | 1000 ug/mL    |
|                      |          |           |                      |                      |                     |              | 2-Butanone (MEK)            | 12500 ug/mL   |
|                      |          |           |                      |                      |                     |              | 2-Hexanone                  | 12500 ug/mL   |
|                      |          |           |                      |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 12500 ug/mL   |
|                      |          |           |                      |                      |                     |              | Acetone                     | 12500 ug/mL   |
| MSV_LL_#1_826_00162  | 04/16/25 | 03/17/25  | Methanol, Lot EJ274  | 1 mL                 | MSV_CCV_VOC#1_00227 | 50 uL        | 1,1,1,2-Tetrachloroethane   | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,1,1-Trichloroethane       | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane   | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane       | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,1-Dichloroethane          | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,1-Dichloroethene          | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,1-Dichloropropene         | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,2,3-Trichlorobenzene      | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,2,3-Trichloropropane      | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,2,4-Trichlorobenzene      | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,2,4-Trimethylbenzene      | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,2-Dibromo-3-Chloropropane | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,2-Dibromoethane (EDB)     | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,2-Dichlorobenzene         | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,2-Dichloroethane          | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,2-Dichloropropane         | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,3,5-Trimethylbenzene      | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,3-Dichlorobenzene         | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,3-Dichloropropane         | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 1,4-Dichlorobenzene         | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 2,2-Dichloropropane         | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 2-Chlorotoluene             | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 4-Chlorotoluene             | 50 ug/mL      |
|                      |          |           |                      |                      |                     |              | 4-Isopropyltoluene          | 50 ug/mL      |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent |              | Analyte                                   | Concentration |
|------------|----------|-----------|---------------|----------------------|----------------|--------------|-------------------------------------------|---------------|
|            |          |           |               |                      | Reagent ID     | Volume Added |                                           |               |
|            |          |           |               |                      |                |              | Benzene                                   | 50 ug/mL      |
|            |          |           |               |                      |                |              | Bromobenzene                              | 50 ug/mL      |
|            |          |           |               |                      |                |              | Bromochloromethane                        | 50 ug/mL      |
|            |          |           |               |                      |                |              | Bromodichloromethane                      | 50 ug/mL      |
|            |          |           |               |                      |                |              | Bromoform                                 | 50 ug/mL      |
|            |          |           |               |                      |                |              | Carbon tetrachloride                      | 50 ug/mL      |
|            |          |           |               |                      |                |              | Chlorobenzene                             | 50 ug/mL      |
|            |          |           |               |                      |                |              | Chloroform                                | 50 ug/mL      |
|            |          |           |               |                      |                |              | cis-1,2-Dichloroethene                    | 50 ug/mL      |
|            |          |           |               |                      |                |              | cis-1,3-Dichloropropene                   | 50 ug/mL      |
|            |          |           |               |                      |                |              | Dibromochloromethane                      | 50 ug/mL      |
|            |          |           |               |                      |                |              | Dibromomethane                            | 50 ug/mL      |
|            |          |           |               |                      |                |              | Ethylbenzene                              | 50 ug/mL      |
|            |          |           |               |                      |                |              | Hexachlorobutadiene                       | 50 ug/mL      |
|            |          |           |               |                      |                |              | Isopropylbenzene                          | 50 ug/mL      |
|            |          |           |               |                      |                |              | m-Xylene & p-Xylene                       | 100 ug/mL     |
|            |          |           |               |                      |                |              | Methylene Chloride                        | 50 ug/mL      |
|            |          |           |               |                      |                |              | n-Butylbenzene                            | 50 ug/mL      |
|            |          |           |               |                      |                |              | N-Propylbenzene                           | 50 ug/mL      |
|            |          |           |               |                      |                |              | Naphthalene                               | 50 ug/mL      |
|            |          |           |               |                      |                |              | o-Xylene                                  | 50 ug/mL      |
|            |          |           |               |                      |                |              | sec-Butylbenzene                          | 50 ug/mL      |
|            |          |           |               |                      |                |              | Styrene                                   | 50 ug/mL      |
|            |          |           |               |                      |                |              | tert-Butylbenzene                         | 50 ug/mL      |
|            |          |           |               |                      |                |              | Tetrachloroethene                         | 50 ug/mL      |
|            |          |           |               |                      |                |              | Toluene                                   | 50 ug/mL      |
|            |          |           |               |                      |                |              | trans-1,2-Dichloroethene                  | 50 ug/mL      |
|            |          |           |               |                      |                |              | trans-1,3-Dichloropropene                 | 50 ug/mL      |
|            |          |           |               |                      |                |              | Trichloroethene                           | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,1,2-Trichloro-1,2,2-trifluor<br>oethane | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,2,3-Trimethylbenzene                    | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,3,5-Trichlorobenzene                    | 50 ug/mL      |
|            |          |           |               |                      |                |              | 1,4-Dioxane                               | 2500 ug/mL    |
|            |          |           |               |                      |                |              | 1-Chlorohexane                            | 50 ug/mL      |
|            |          |           |               |                      |                |              | 2-Chloro-1,3-butadiene                    | 50 ug/mL      |
|            |          |           |               |                      |                |              | 2-Methyl-2-propanol                       | 1000 ug/mL    |
|            |          |           |               |                      |                |              | 2-Nitropropane                            | 250 ug/mL     |
|            |          |           |               |                      |                |              | 3-Chloro-1-propene                        | 50 ug/mL      |
|            |          |           |               |                      |                |              | Acrylonitrile                             | 125 ug/mL     |
|            |          |           |               |                      |                |              | Benzyl chloride                           | 50 ug/mL      |
|            |          |           |               |                      |                |              | Carbon disulfide                          | 50 ug/mL      |
|            |          |           |               |                      |                |              | Cyclohexane                               | 50 ug/mL      |
|            |          |           |               |                      |                |              | Ethyl methacrylate                        | 50 ug/mL      |
|            |          |           |               |                      |                |              | Hexane                                    | 50 ug/mL      |
|            |          |           |               |                      |                |              | Iodomethane                               | 50 ug/mL      |
|            |          |           |               |                      |                |              | Isobutyl alcohol                          | 2500 ug/mL    |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID           | Exp Date | Prep Date | Dilutant Used       | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|----------------------|----------|-----------|---------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                      |          |           |                     |                      | Reagent ID          | Volume Added |                             |               |
|                      |          |           |                     |                      |                     |              | Isopropyl ether             | 50 ug/mL      |
|                      |          |           |                     |                      |                     |              | Methacrylonitrile           | 500 ug/mL     |
|                      |          |           |                     |                      |                     |              | Methyl acetate              | 50 ug/mL      |
|                      |          |           |                     |                      |                     |              | Methyl methacrylate         | 50 ug/mL      |
|                      |          |           |                     |                      |                     |              | Methyl tert-butyl ether     | 50 ug/mL      |
|                      |          |           |                     |                      |                     |              | Methylcyclohexane           | 50 ug/mL      |
|                      |          |           |                     |                      |                     |              | n-Butanol                   | 4375 ug/mL    |
|                      |          |           |                     |                      |                     |              | n-Heptane                   | 50 ug/mL      |
|                      |          |           |                     |                      |                     |              | Propionitrile               | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | Tert-amyl methyl ether      | 50 ug/mL      |
|                      |          |           |                     |                      |                     |              | Tert-butyl ethyl ether      | 50 ug/mL      |
|                      |          |           |                     |                      |                     |              | Tetrahydrofuran             | 250 ug/mL     |
|                      |          |           |                     |                      |                     |              | trans-1,4-Dichloro-2-butene | 500 ug/mL     |
|                      |          |           |                     |                      | MSV_CCV_VOC#3_00228 | 200 uL       | Acrolein                    | 2439.54 ug/mL |
|                      |          |           |                     |                      | MSV_V_VOA2_00281    | 150 uL       | 2-Butanone (MEK)            | 500 ug/mL     |
|                      |          |           |                     |                      |                     |              | 2-Hexanone                  | 500 ug/mL     |
|                      |          |           |                     |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 500 ug/mL     |
|                      |          |           |                     |                      |                     |              | Acetone                     | 500 ug/mL     |
|                      |          |           |                     |                      |                     |              | 1,4-Dioxane                 | 2500 ug/mL    |
|                      |          |           |                     |                      |                     |              | 2-Methyl-2-propanol         | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | Isobutyl alcohol            | 2500 ug/mL    |
| .MSV_CCV_VOC#1_00227 | 04/16/25 | 03/17/25  | Methanol, Lot EH471 | 5 mL                 | MSV_MegaMIX#1_00224 | 1 mL         | Methacrylonitrile           | 500 ug/mL     |
|                      |          |           |                     |                      |                     |              | n-Butanol                   | 4375 ug/mL    |
|                      |          |           |                     |                      |                     |              | Propionitrile               | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | trans-1,4-Dichloro-2-butene | 500 ug/mL     |
|                      |          |           |                     |                      |                     |              | 1,1,1,2-Tetrachloroethane   | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,1,1-Trichloroethane       | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,1,2,2-Tetrachloroethane   | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,1,2-Trichloroethane       | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,1-Dichloroethane          | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,1-Dichloroethene          | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,1-Dichloropropene         | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,2,3-Trichlorobenzene      | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,2,3-Trichloropropane      | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,2,4-Trichlorobenzene      | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,2,4-Trimethylbenzene      | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,2-Dibromo-3-Chloropropane | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,2-Dibromoethane (EDB)     | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,2-Dichlorobenzene         | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,2-Dichloroethane          | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,2-Dichloropropane         | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,3,5-Trimethylbenzene      | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,3-Dichlorobenzene         | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,3-Dichloropropane         | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 1,4-Dichlorobenzene         | 1000 ug/mL    |
|                      |          |           |                     |                      |                     |              | 2,2-Dichloropropane         | 1000 ug/mL    |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID | Exp Date | Prep Date | Dilutant Used | Reagent Final Volume | Parent Reagent      |              | Analyte                               | Concentration |
|------------|----------|-----------|---------------|----------------------|---------------------|--------------|---------------------------------------|---------------|
|            |          |           |               |                      | Reagent ID          | Volume Added |                                       |               |
|            |          |           |               |                      |                     |              | 2-Chlorotoluene                       | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | 4-Chlorotoluene                       | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | 4-Isopropyltoluene                    | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Benzene                               | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Bromobenzene                          | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Bromochloromethane                    | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Bromodichloromethane                  | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Bromoform                             | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Carbon tetrachloride                  | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Chlorobenzene                         | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Chloroform                            | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | cis-1,2-Dichloroethene                | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | cis-1,3-Dichloropropene               | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Dibromochloromethane                  | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Dibromomethane                        | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Ethylbenzene                          | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Hexachlorobutadiene                   | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Isopropylbenzene                      | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | m-Xylene & p-Xylene                   | 2000 ug/mL    |
|            |          |           |               |                      |                     |              | Methylene Chloride                    | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | n-Butylbenzene                        | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | N-Propylbenzene                       | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Naphthalene                           | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | o-Xylene                              | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | sec-Butylbenzene                      | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Styrene                               | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | tert-Butylbenzene                     | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Tetrachloroethene                     | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Toluene                               | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | trans-1,2-Dichloroethene              | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | trans-1,3-Dichloropropene             | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Trichloroethene                       | 1000 ug/mL    |
|            |          |           |               |                      | MSV_MegaMix#2_00227 | 1 mL         | 1,1,2-Trichloro-1,2,2-trifluoroethane | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | 1,2,3-Trimethylbenzene                | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | 1,3,5-Trichlorobenzene                | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | 1,4-Dioxane                           | 12500 ug/mL   |
|            |          |           |               |                      |                     |              | 1-Chlorohexane                        | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | 2-Chloro-1,3-butadiene                | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | 2-Methyl-2-propanol                   | 5000 ug/mL    |
|            |          |           |               |                      |                     |              | 2-Nitropropane                        | 5000 ug/mL    |
|            |          |           |               |                      |                     |              | 3-Chloro-1-propene                    | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Acrylonitrile                         | 2500 ug/mL    |
|            |          |           |               |                      |                     |              | Benzyl chloride                       | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Carbon disulfide                      | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Cyclohexane                           | 1000 ug/mL    |
|            |          |           |               |                      |                     |              | Ethyl methacrylate                    | 1000 ug/mL    |

## REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID            | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|-----------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                       |          |           |                      |                      | Reagent ID          | Volume Added |                             |               |
|                       |          |           |                      |                      |                     |              | Hexane                      | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Iodomethane                 | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Isobutyl alcohol            | 12500 ug/mL   |
|                       |          |           |                      |                      |                     |              | Isopropyl ether             | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Methacrylonitrile           | 2500 ug/mL    |
|                       |          |           |                      |                      |                     |              | Methyl acetate              | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Methyl methacrylate         | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Methyl tert-butyl ether     | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Methylcyclohexane           | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | n-Butanol                   | 12500 ug/mL   |
|                       |          |           |                      |                      |                     |              | n-Heptane                   | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Propionitrile               | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Tert-amyl methyl ether      | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Tert-butyl ethyl ether      | 1000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Tetrahydrofuran             | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | trans-1,4-Dichloro-2-butene | 2500 ug/mL    |
| ..MSV_MegaMIX#1_00224 | 04/16/25 |           | Restek, Lot A0211483 |                      | (Purchased Reagent) |              | 1,1,1,2-Tetrachloroethane   | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,1,1-Trichloroethane       | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,1,2,2-Tetrachloroethane   | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,1,2-Trichloroethane       | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,1-Dichloroethane          | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,1-Dichloroethene          | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,1-Dichloropropene         | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2,3-Trichlorobenzene      | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2,3-Trichloropropane      | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2,4-Trichlorobenzene      | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2,4-Trimethylbenzene      | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2-Dibromo-3-Chloropropane | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2-Dibromoethane (EDB)     | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2-Dichlorobenzene         | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2-Dichloroethane          | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2-Dichloropropane         | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,3,5-Trimethylbenzene      | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,3-Dichlorobenzene         | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,3-Dichloropropane         | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,4-Dichlorobenzene         | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 2,2-Dichloropropane         | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 2-Chlorotoluene             | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 4-Chlorotoluene             | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 4-Isopropyltoluene          | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Benzene                     | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Bromobenzene                | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Bromochloromethane          | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Bromodichloromethane        | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Bromoform                   | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Carbon tetrachloride        | 5000 ug/mL    |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID            | Exp Date | Prep Date | Dilutant Used        | Reagent Final Volume | Parent Reagent      |              | Analyte                               | Concentration |
|-----------------------|----------|-----------|----------------------|----------------------|---------------------|--------------|---------------------------------------|---------------|
|                       |          |           |                      |                      | Reagent ID          | Volume Added |                                       |               |
|                       |          |           |                      |                      |                     |              | Chlorobenzene                         | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Chloroform                            | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | cis-1,2-Dichloroethene                | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | cis-1,3-Dichloropropene               | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Dibromochloromethane                  | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Dibromomethane                        | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Ethylbenzene                          | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Hexachlorobutadiene                   | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Isopropylbenzene                      | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | m-Xylene & p-Xylene                   | 10000 ug/mL   |
|                       |          |           |                      |                      |                     |              | Methylene Chloride                    | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | n-Butylbenzene                        | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | N-Propylbenzene                       | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Naphthalene                           | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | o-Xylene                              | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | sec-Butylbenzene                      | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Styrene                               | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | tert-Butylbenzene                     | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Tetrachloroethene                     | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Toluene                               | 5000 ug/mL    |
| ..MSV_MegaMix#2_00227 | 04/16/25 |           | Restek, Lot A0212010 |                      | (Purchased Reagent) |              | trans-1,2-Dichloroethene              | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | trans-1,3-Dichloropropene             | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Trichloroethene                       | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,1,2-Trichloro-1,2,2-trifluoroethane | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,2,3-Trimethylbenzene                | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,3,5-Trichlorobenzene                | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 1,4-Dioxane                           | 62500 ug/mL   |
|                       |          |           |                      |                      |                     |              | 1-Chlorohexane                        | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 2-Chloro-1,3-butadiene                | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | 2-Methyl-2-propanol                   | 25000 ug/mL   |
|                       |          |           |                      |                      |                     |              | 2-Nitropropane                        | 25000 ug/mL   |
|                       |          |           |                      |                      |                     |              | 3-Chloro-1-propene                    | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Acrylonitrile                         | 12500 ug/mL   |
|                       |          |           |                      |                      |                     |              | Benzyl chloride                       | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Carbon disulfide                      | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Cyclohexane                           | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Ethyl methacrylate                    | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Hexane                                | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Iodomethane                           | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Isobutyl alcohol                      | 62500 ug/mL   |
|                       |          |           |                      |                      |                     |              | Isopropyl ether                       | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Methacrylonitrile                     | 12500 ug/mL   |
|                       |          |           |                      |                      |                     |              | Methyl acetate                        | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Methyl methacrylate                   | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Methyl tert-butyl ether               | 5000 ug/mL    |
|                       |          |           |                      |                      |                     |              | Methylcyclohexane                     | 5000 ug/mL    |

## REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID            | Exp Date | Prep Date | Dilutant Used              | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|-----------------------|----------|-----------|----------------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                       |          |           |                            |                      | Reagent ID          | Volume Added |                             |               |
|                       |          |           |                            |                      |                     |              | n-Butanol                   | 62500 ug/mL   |
|                       |          |           |                            |                      |                     |              | n-Heptane                   | 5000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Propionitrile               | 25000 ug/mL   |
|                       |          |           |                            |                      |                     |              | Tert-amyl methyl ether      | 5000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Tert-butyl ethyl ether      | 5000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Tetrahydrofuran             | 25000 ug/mL   |
|                       |          |           |                            |                      |                     |              | trans-1,4-Dichloro-2-butene | 12500 ug/mL   |
| .MSV_CCV_VOC#3_00228  | 04/16/25 | 03/17/25  | Methanol, Lot EH471        | 5 mL                 | MSV_CCV_ACR_00026   | 0.5 mL       | Acrolein                    | 12197.7 ug/mL |
|                       |          |           |                            |                      | MSV_V_Ketones_00218 | 1 mL         | 2-Butanone (MEK)            | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | 2-Hexanone                  | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | Acetone                     | 2500 ug/mL    |
| ..MSV_CCV_ACR_00026   | 05/05/25 | 03/06/25  | Methanol, Lot EH471        | 10 mL                | MSV_VACR_STK_00046  | 8.537 mL     | Acrolein                    | 121977 ug/mL  |
| ...MSV_VACR_STK_00046 | 05/05/25 | 03/06/25  | Methanol, Lot EH471        | 10 mL                | MSV_ACROLEIN_00039  | 1.538 g      | Acrolein                    | 142880 ug/mL  |
| ...MSV_ACROLEIN_00039 | 08/31/25 |           | Chem Service, Lot 15807600 |                      | (Purchased Reagent) |              | Acrolein                    | 0.929 g/g     |
| ..MSV_V_Ketones_00218 | 04/30/27 |           | Restek, Lot A0210935       |                      | (Purchased Reagent) |              | 2-Butanone (MEK)            | 12500 ug/mL   |
|                       |          |           |                            |                      |                     |              | 2-Hexanone                  | 12500 ug/mL   |
|                       |          |           |                            |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 12500 ug/mL   |
|                       |          |           |                            |                      |                     |              | Acetone                     | 12500 ug/mL   |
| .MSV_V_VOA2_00281     | 04/16/25 | 03/17/25  | Methanol, Lot EH471        | 5 mL                 | MSV_V#2B_00417      | 1 mL         | 1,4-Dioxane                 | 12500 ug/mL   |
|                       |          |           |                            |                      |                     |              | 2-Methyl-2-propanol         | 5000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Isobutyl alcohol            | 12500 ug/mL   |
|                       |          |           |                            |                      |                     |              | Methacrylonitrile           | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | n-Butanol                   | 25000 ug/mL   |
|                       |          |           |                            |                      |                     |              | Propionitrile               | 5000 ug/mL    |
|                       |          |           |                            |                      |                     |              | trans-1,4-Dichloro-2-butene | 2500 ug/mL    |
| ..MSV_V#2B_00417      | 05/31/26 |           | Restek, Lot A0211456       |                      | (Purchased Reagent) |              | 1,4-Dioxane                 | 62500 ug/mL   |
|                       |          |           |                            |                      |                     |              | 2-Methyl-2-propanol         | 25000 ug/mL   |
|                       |          |           |                            |                      |                     |              | Isobutyl alcohol            | 62500 ug/mL   |
|                       |          |           |                            |                      |                     |              | Methacrylonitrile           | 12500 ug/mL   |
|                       |          |           |                            |                      |                     |              | n-Butanol                   | 125000 ug/mL  |
|                       |          |           |                            |                      |                     |              | Propionitrile               | 25000 ug/mL   |
|                       |          |           |                            |                      |                     |              | trans-1,4-Dichloro-2-butene | 12500 ug/mL   |
| MSV_LL_#1_826_00170   | 07/30/25 | 06/30/25  | Methanol, Lot EJ274        | 1 mL                 | MSV_CCV_VOC#1_00242 | 50 uL        | 1,1,1,2-Tetrachloroethane   | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | 1,1,1-Trichloroethane       | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | 1,1,2,2-Tetrachloroethane   | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | 1,1,2-Trichloroethane       | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | 1,1-Dichloroethane          | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | 1,1-Dichloroethene          | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | 1,2-Dibromoethane (EDB)     | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | 1,2-Dichloroethane          | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | 1,2-Dichloropropane         | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | Benzene                     | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | Bromochloromethane          | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | Bromodichloromethane        | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | Bromoform                   | 50 ug/mL      |



REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

| Reagent ID                  | Exp Date  | Prep Date | Dilutant Used       | Reagent Final Volume | Parent Reagent          |              | Analyte                   | Concentration |
|-----------------------------|-----------|-----------|---------------------|----------------------|-------------------------|--------------|---------------------------|---------------|
|                             |           |           |                     |                      | Reagent ID              | Volume Added |                           |               |
|                             |           |           |                     |                      |                         |              | Carbon tetrachloride      | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Chlorobenzene             | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Chloroform                | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | cis-1,2-Dichloroethene    | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | cis-1,3-Dichloropropene   | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Dibromochloromethane      | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Ethylbenzene              | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Methylene Chloride        | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Styrene                   | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Tetrachloroethene         | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Toluene                   | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | trans-1,2-Dichloroethene  | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | trans-1,3-Dichloropropene | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Trichloroethene           | 50 ug/mL      |
|                             |           |           |                     |                      |                         |              | Carbon disulfide          | 50 ug/mL      |
|                             |           |           |                     |                      | Methyl tert-butyl ether | 50 ug/mL     |                           |               |
|                             |           |           |                     |                      | MSV_CCV_VOC#3_00244     | 200 uL       | 2-Butanone (MEK)          | 500 ug/mL     |
| 2-Hexanone                  | 500 ug/mL |           |                     |                      |                         |              |                           |               |
| 4-Methyl-2-pentanone (MIBK) | 500 ug/mL |           |                     |                      |                         |              |                           |               |
| Acetone                     | 500 ug/mL |           |                     |                      |                         |              |                           |               |
| .MSV_CCV_VOC#1_00242        | 07/30/25  | 06/30/25  | Methanol, Lot EH471 | 5 mL                 | MSV_MegaMIX#1_00241     | 1 mL         | 1,1,1,2-Tetrachloroethane | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | 1,1,1-Trichloroethane     | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | 1,1,2,2-Tetrachloroethane | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | 1,1,2-Trichloroethane     | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | 1,1-Dichloroethane        | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | 1,1-Dichloroethene        | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | 1,2-Dibromoethane (EDB)   | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | 1,2-Dichloroethane        | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | 1,2-Dichloropropane       | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Benzene                   | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Bromochloromethane        | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Bromodichloromethane      | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Bromoform                 | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Carbon tetrachloride      | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Chlorobenzene             | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Chloroform                | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | cis-1,2-Dichloroethene    | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | cis-1,3-Dichloropropene   | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Dibromochloromethane      | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Ethylbenzene              | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Methylene Chloride        | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Styrene                   | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Tetrachloroethene         | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | Toluene                   | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | trans-1,2-Dichloroethene  | 1000 ug/mL    |
|                             |           |           |                     |                      |                         |              | trans-1,3-Dichloropropene | 1000 ug/mL    |

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
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| Reagent ID            | Exp Date | Prep Date            | Dilutant Used       | Reagent Final Volume | Parent Reagent      |              | Analyte                     | Concentration |
|-----------------------|----------|----------------------|---------------------|----------------------|---------------------|--------------|-----------------------------|---------------|
|                       |          |                      |                     |                      | Reagent ID          | Volume Added |                             |               |
|                       |          |                      |                     |                      |                     |              | Trichloroethene             | 1000 ug/mL    |
|                       |          |                      |                     |                      | MSV_MegaMix#2_00241 | 1 mL         | Carbon disulfide            | 1000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Methyl tert-butyl ether     | 1000 ug/mL    |
| ..MSV_MegaMIX#1_00241 | 07/30/25 | Restek, Lot A0211483 |                     |                      | (Purchased Reagent) |              | 1,1,1,2-Tetrachloroethane   | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 1,1,1-Trichloroethane       | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 1,1,2,2-Tetrachloroethane   | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 1,1,2-Trichloroethane       | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 1,1-Dichloroethane          | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 1,1-Dichloroethene          | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 1,2-Dibromoethane (EDB)     | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 1,2-Dichloroethane          | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 1,2-Dichloropropane         | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Benzene                     | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Bromochloromethane          | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Bromodichloromethane        | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Bromoform                   | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Carbon tetrachloride        | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Chlorobenzene               | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Chloroform                  | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | cis-1,2-Dichloroethene      | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | cis-1,3-Dichloropropene     | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Dibromochloromethane        | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Ethylbenzene                | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Methylene Chloride          | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Styrene                     | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Tetrachloroethene           | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Toluene                     | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | trans-1,2-Dichloroethene    | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | trans-1,3-Dichloropropene   | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              |                             |               |
| ..MSV_MegaMix#2_00241 | 07/30/25 | Restek, Lot A0212010 |                     |                      | (Purchased Reagent) |              | Carbon disulfide            | 5000 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Methyl tert-butyl ether     | 5000 ug/mL    |
| .MSV_CCV_VOC#3_00244  | 07/30/25 | 06/30/25             | Methanol, Lot EH471 | 5 mL                 | MSV_V_Ketones_00238 | 1 mL         | 2-Butanone (MEK)            | 2500 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 2-Hexanone                  | 2500 ug/mL    |
|                       |          |                      |                     |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 2500 ug/mL    |
|                       |          |                      |                     |                      |                     |              | Acetone                     | 2500 ug/mL    |
| ..MSV_V_Ketones_00238 | 04/30/27 | Restek, Lot A0210935 |                     |                      | (Purchased Reagent) |              | 2-Butanone (MEK)            | 12500 ug/mL   |
|                       |          |                      |                     |                      |                     |              | 2-Hexanone                  | 12500 ug/mL   |
|                       |          |                      |                     |                      |                     |              | 4-Methyl-2-pentanone (MIBK) | 12500 ug/mL   |
|                       |          |                      |                     |                      |                     |              | Acetone                     | 12500 ug/mL   |
| MSV_LL_#2_826_00172   | 03/26/25 | 03/17/25             | Methanol, Lot EJ274 | 1 mL                 | CCV_ETBR_00008      | 50 uL        | Ethyl bromide               | 50.0802 ug/mL |
|                       |          |                      |                     |                      | MSV_BCE_00083       | 25 uL        | 1-Bromo-2-chloroethane      | 50 ug/mL      |
|                       |          |                      |                     |                      | MSV_CCV_EE_00008    | 50 uL        | Ethyl ether                 | 49.9966 ug/mL |
|                       |          |                      |                     |                      | MSV_V_PentaCL_00055 | 10 uL        | Pentachloroethane           | 50 ug/mL      |
| .CCV_ETBR_00008       | 05/06/25 | 11/06/24             | Methanol, Lot EH471 | 10 mL                | MSV_VETBR_STK_00017 | 0.191 mL     | Ethyl bromide               | 1001.6 ug/mL  |
| ..MSV_VETBR_STK_00017 | 05/06/25 | 11/06/24             | Methanol, Lot EH471 | 10 mL                | MSV_EtBr_00010      | 0.5244 g     | Ethyl bromide               | 52440 ug/mL   |

## REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
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| Reagent ID            | Exp Date | Prep Date                  | Dilutant Used       | Reagent Final Volume | Parent Reagent      |              | Analyte                             | Concentration |
|-----------------------|----------|----------------------------|---------------------|----------------------|---------------------|--------------|-------------------------------------|---------------|
|                       |          |                            |                     |                      | Reagent ID          | Volume Added |                                     |               |
| ...MSV EtBr 00010     | 06/30/25 | Chem Service, Lot 13345600 |                     |                      | (Purchased Reagent) |              | Ethyl bromide                       | 1 g/g         |
| .MSV BCE 00083        | 04/02/25 | Restek, Lot A0201612       |                     |                      | (Purchased Reagent) |              | 1-Bromo-2-chloroethane              | 2000 ug/mL    |
| .MSV CCV EE 00008     | 05/06/25 | 11/06/24                   | Methanol, Lot EH471 | 50 mL                | MSV EE MISCSK 00015 | 1.115 mL     | Ethyl ether                         | 999.932 ug/mL |
| ..MSV EE MISCSK 00015 | 05/06/25 | 11/06/24                   | Methanol, Lot EH471 | 10 mL                | MSV EE Neat 00012   | 0.4484 g     | Ethyl ether                         | 44840 ug/mL   |
| ...MSV EE Neat 00012  | 06/30/27 | Chem Service, Lot 14084700 |                     |                      | (Purchased Reagent) |              | Ethyl ether                         | 1 g/g         |
| .MSV V PentaCL 00055  | 03/26/25 | Restek, Lot A0197490       |                     |                      | (Purchased Reagent) |              | Pentachloroethane                   | 5000 ug/mL    |
| MSV_LL_GAS826_00262   | 03/24/25 | 03/17/25                   | Methanol, Lot EJ274 | 1 mL                 | MSV_CCV_GASES_01047 | 25 uL        | 1,2-Dichloro-1,1,2-trifluoroet hane | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Bromomethane                        | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Butadiene                           | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Chloroethane                        | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Chloromethane                       | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Dichlorodifluoromethane             | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Dichlorofluoromethane               | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Trichlorofluoromethane              | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Vinyl chloride                      | 50 ug/mL      |
| .MSV_CCV_GASES_01047  | 03/24/25 | Restek, Lot A0212054       |                     |                      | (Purchased Reagent) |              | 1,2-Dichloro-1,1,2-trifluoroet hane | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Bromomethane                        | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Butadiene                           | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Chloroethane                        | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Chloromethane                       | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Dichlorodifluoromethane             | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Dichlorofluoromethane               | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Trichlorofluoromethane              | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Vinyl chloride                      | 2000 ug/mL    |
| MSV_LL_GAS826_00278   | 07/07/25 | 06/30/25                   | Methanol, Lot EJ274 | 1 mL                 | MSV_CCV_GASES_01056 | 25 uL        | Bromomethane                        | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Chloroethane                        | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Chloromethane                       | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Vinyl chloride                      | 50 ug/mL      |
| .MSV_CCV_GASES_01056  | 08/06/25 | Restek, Lot A0212054       |                     |                      | (Purchased Reagent) |              | Bromomethane                        | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Chloroethane                        | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Chloromethane                       | 2000 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Vinyl chloride                      | 2000 ug/mL    |
| MSV_LLcentISS_00016   | 09/12/25 | 03/12/25                   | Methanol, Lot EJ274 | 50 mL                | MSV_8260_SS_01410   | 1 mL         | 1,2-Dichloroethane-d4 (Surr)        | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | 4-Bromofluorobenzene (Surr)         | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Dibromofluoromethane (Surr)         | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Toluene-d8 (Surr)                   | 50 ug/mL      |
|                       |          |                            |                     |                      | MSV_Cus826_IS_00674 | 1 mL         | 1,4-Dichlorobenzene-d4              | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Chlorobenzene-d5 (IS)               | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | Fluorobenzene (IS)                  | 50 ug/mL      |
|                       |          |                            |                     |                      |                     |              | t-Butyl alcohol-d10 (IS)            | 250 ug/mL     |
| .MSV_8260_SS_01410    | 09/30/29 | Restek, Lot A0216253       |                     |                      | (Purchased Reagent) |              | 1,2-Dichloroethane-d4 (Surr)        | 2500 ug/mL    |
|                       |          |                            |                     |                      |                     |              | 4-Bromofluorobenzene (Surr)         | 2500 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Dibromofluoromethane (Surr)         | 2500 ug/mL    |
|                       |          |                            |                     |                      |                     |              | Toluene-d8 (Surr)                   | 2500 ug/mL    |

## REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment  
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Job No.: 410-229793-1

SDG No.:

| Reagent ID            | Exp Date | Prep Date | Dilutant Used              | Reagent Final Volume | Parent Reagent      |              | Analyte                         | Concentration |
|-----------------------|----------|-----------|----------------------------|----------------------|---------------------|--------------|---------------------------------|---------------|
|                       |          |           |                            |                      | Reagent ID          | Volume Added |                                 |               |
| .MSV_Cus826_IS_00674  | 10/31/26 |           | Restek, Lot A0203141       |                      | (Purchased Reagent) |              | 1,4-Dichlorobenzene-d4          | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | Chlorobenzene-d5 (IS)           | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | Fluorobenzene (IS)              | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | t-Butyl alcohol-d10 (IS)        | 12500 ug/mL   |
| MSV_LLcentISS_00017   | 11/22/25 | 05/22/25  | Methanol, Lot EJ274        | 50 mL                | MSV_Cus826_IS_00739 | 1 mL         | 1,4-Dichlorobenzene-d4          | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | Chlorobenzene-d5 (IS)           | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | Fluorobenzene (IS)              | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | t-Butyl alcohol-d10 (IS)        | 250 ug/mL     |
| .MSV_Cus826_IS_00739  | 10/31/26 |           | Restek, Lot A0203141       |                      | (Purchased Reagent) |              | 1,4-Dichlorobenzene-d4          | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | Chlorobenzene-d5 (IS)           | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | Fluorobenzene (IS)              | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | t-Butyl alcohol-d10 (IS)        | 12500 ug/mL   |
| MSV_LLcentISS_00017   | 11/22/25 | 05/22/25  | Methanol, Lot EJ274        | 50 mL                | MSV_8260_SS_01455   | 1 mL         | 1,2-Dichloroethane-d4 (Surr)    | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | 4-Bromofluorobenzene (Surr)     | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | Dibromofluoromethane (Surr)     | 50 ug/mL      |
|                       |          |           |                            |                      |                     |              | Toluene-d8 (Surr)               | 50 ug/mL      |
| .MSV_8260_SS_01455    | 10/31/29 |           | Restek, Lot A0217887       |                      | (Purchased Reagent) |              | 1,2-Dichloroethane-d4 (Surr)    | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | 4-Bromofluorobenzene (Surr)     | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | Dibromofluoromethane (Surr)     | 2500 ug/mL    |
|                       |          |           |                            |                      |                     |              | Toluene-d8 (Surr)               | 2500 ug/mL    |
| MSV_QC_Gas826_00250   | 03/24/25 | 03/17/25  | Methanol, Lot EJ274        | 1 mL                 | MSV_QC_2K_GAS_00290 | 20 uL        | Bromomethane                    | 40 ug/mL      |
|                       |          |           |                            |                      |                     |              | Chloroethane                    | 40 ug/mL      |
|                       |          |           |                            |                      |                     |              | Chloromethane                   | 40 ug/mL      |
|                       |          |           |                            |                      |                     |              | Vinyl chloride                  | 40 ug/mL      |
| .MSV_QC_2K_GAS_00290  | 03/24/25 |           | Restek, Lot A0211460       |                      | (Purchased Reagent) |              | Bromomethane                    | 2000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Chloroethane                    | 2000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Chloromethane                   | 2000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Vinyl chloride                  | 2000 ug/mL    |
| MSV_QC_Gas826_00267   | 07/07/25 | 06/30/25  | Methanol, Lot EJ274        | 1 mL                 | MSV_QC_2K_GAS_00311 | 20 uL        | Bromomethane                    | 40 ug/mL      |
|                       |          |           |                            |                      |                     |              | Chloroethane                    | 40 ug/mL      |
|                       |          |           |                            |                      |                     |              | Chloromethane                   | 40 ug/mL      |
|                       |          |           |                            |                      |                     |              | Vinyl chloride                  | 40 ug/mL      |
| .MSV_QC_2K_GAS_00311  | 07/07/25 |           | Restek, Lot A0211460       |                      | (Purchased Reagent) |              | Bromomethane                    | 2000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Chloroethane                    | 2000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Chloromethane                   | 2000 ug/mL    |
|                       |          |           |                            |                      |                     |              | Vinyl chloride                  | 2000 ug/mL    |
| MSV_V_BFB_00018       |          |           |                            |                      |                     |              | 1,2-Dichloroethene, Total       |               |
|                       |          |           |                            |                      |                     |              | 1,3-Dichloropropene, Total      |               |
|                       |          |           |                            |                      |                     |              | Tentatively Identified Compound |               |
|                       |          |           |                            |                      |                     |              | Xylenes, Total                  |               |
| .MSV_VBFB_STK_00013   | 05/31/25 | 12/02/24  | Methanol, Lot EH471        | 10 mL                | MSV_VBFB_STK_00013  | 0.09 mL      | BFB                             | 50.076 ug/mL  |
| ..MSV_4BFB_NEAT_00012 | 05/31/25 |           | Chem Service, Lot 15267000 |                      | MSV_4BFB_NEAT_00012 | 1.391 g      | BFB                             | 139100 ug/mL  |
|                       |          |           |                            |                      | (Purchased Reagent) |              | BFB                             | 1 g/g         |
| MSV_V_BFB_00019       |          |           |                            |                      |                     |              | 1,2-Dichloroethene, Total       |               |

# REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Lancaster Laboratories Environment      Job No.: 410-229793-1  
Testing, LLC

SDG No.: \_\_\_\_\_

| Reagent ID            | Exp Date | Prep Date | Dilutant Used              | Reagent Final Volume | Parent Reagent      |              | Analyte                         | Concentration |
|-----------------------|----------|-----------|----------------------------|----------------------|---------------------|--------------|---------------------------------|---------------|
|                       |          |           |                            |                      | Reagent ID          | Volume Added |                                 |               |
|                       |          |           |                            |                      |                     |              | 1,3-Dichloropropene, Total      |               |
|                       |          |           |                            |                      |                     |              | Tentatively Identified Compound |               |
|                       |          |           |                            |                      |                     |              | Xylenes, Total                  |               |
| .MSV_VBFB_STK_00014   | 11/22/25 | 05/22/25  | Methanol, Lot EH471        | 10 mL                | MSV_VBFB_STK_00014  | 0.246 mL     | BFB                             | 49.9183 ug/mL |
| ..MSV_4BFB_NEAT_00013 | 06/30/29 |           | Chem Service, Lot 16054300 |                      | MSV_4BFB_NEAT_00013 | 0.5073 g     | BFB                             | 50730 ug/mL   |
|                       |          |           |                            |                      | (Purchased Reagent) |              | BFB                             | 1 g/g         |

Reagent

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**MSV\_8260\_SS\_01410**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30240 **Lot No.:** A0216253

**Description :** 8260A Surrogate Mix  
8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2029 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | Dibromofluoromethane          | 1868-53-7  | 022013     | 99%    | 2,509.0 µg/mL               | +/- 140.9447                           |
| 2             | 1,2-Dichloroethane-d4         | 17060-07-0 | PR-33313   | 99%    | 2,506.3 µg/mL               | +/- 140.7903                           |
| 3             | Toluene-d8                    | 2037-26-5  | PR-34141   | 99%    | 2,514.3 µg/mL               | +/- 141.2397                           |
| 4             | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4   | 0000268853 | 99%    | 2,510.5 µg/mL               | +/- 141.0290                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

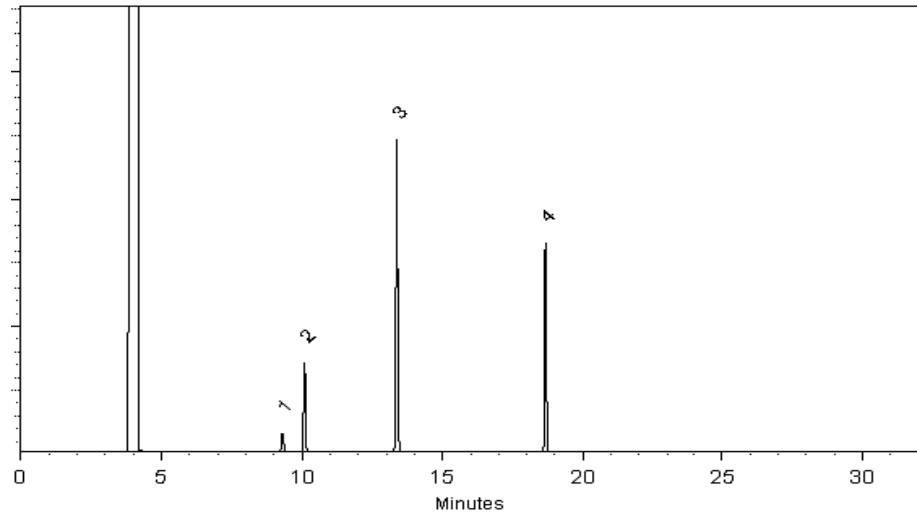
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Scott McNeil - Operations Tech I

Date Mixed: 09-Sep-2024

Balance Serial # 1127510105

Brittany Federinko - Operations Tech I

Date Passed: 12-Sep-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_8260\_SS\_01455**



110 Benner Circle  
Bellefonte, PA 16823-8812  
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Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30240 **Lot No.:** A0217887  
**Description :** 8260A Surrogate Mix  
8260A Surrogate Mix 2,500µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** October 31, 2029 **Storage:** 0°C or colder  
**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                      | CAS #      | Lot #      | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------------|------------|------------|--------|-----------------------------|----------------------------------------|
| 1             | Dibromofluoromethane          | 1868-53-7  | 022013     | 99%    | 2,515.3 µg/mL               | +/- 141.2958                           |
| 2             | 1,2-Dichloroethane-d4         | 17060-07-0 | PR-33313   | 99%    | 2,504.3 µg/mL               | +/- 140.6779                           |
| 3             | Toluene-d8                    | 2037-26-5  | PR-34141   | 99%    | 2,513.8 µg/mL               | +/- 141.2116                           |
| 4             | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4   | 0000268853 | 99%    | 2,517.3 µg/mL               | +/- 141.4082                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

# Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

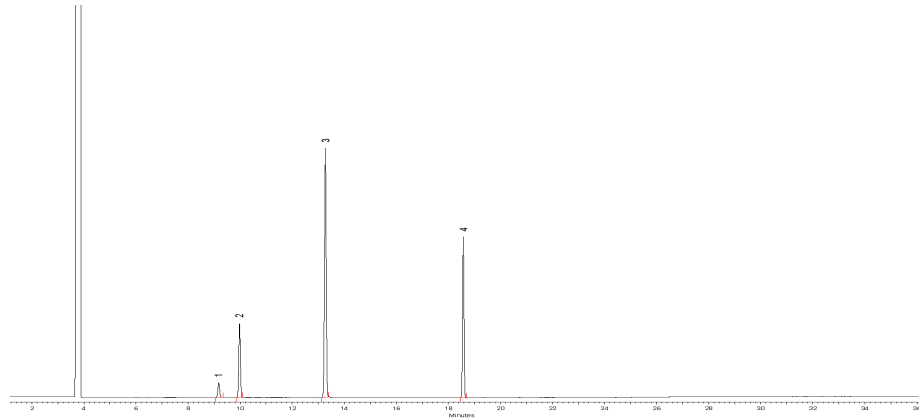
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Richard Zimmerman - Operations Tech I

Date Mixed: 15-Oct-2024

Balance Serial # B251644995

  
John Lidgett - AD Chemist

Date Passed: 23-Oct-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_BCE\_00083**



110 Benner Circle  
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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30469 **Lot No.:** A0201612

**Description :** 1-Bromo-2-chloroethane Standard  
1-Bromo-2-Chloroethane Std, 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** August 31, 2028 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound               | CAS #    | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------|----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 1-Bromo-2-chloroethane | 107-04-0 | BCCC1146 | 99%    | 2,004.0 µg/mL               | +/- 112.6024                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

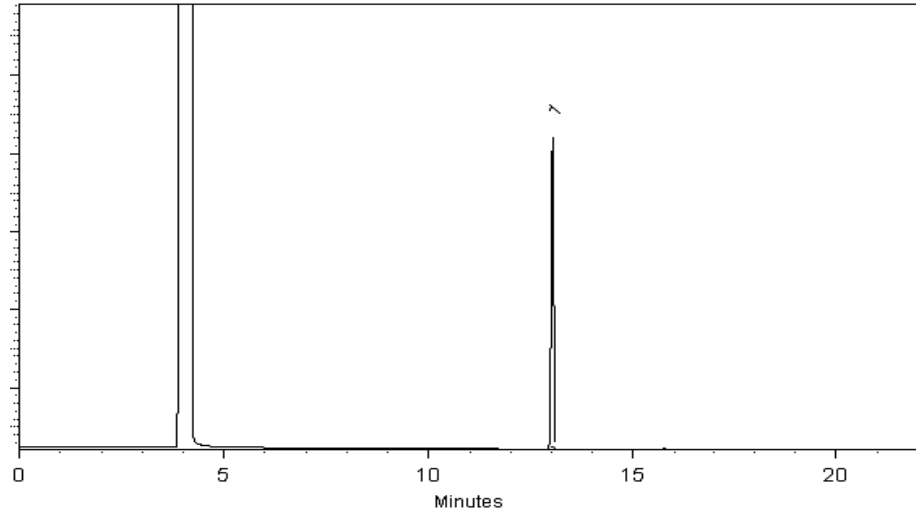
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 31-Aug-2023

Balance Serial # 1128342314

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 06-Sep-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_CCV\_GASES\_01047**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 577488 **Lot No.:** A0212054

**Description :** Custom Gases Standard  
Custom Gases Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                      | CAS #    | Lot #           | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------------------------|----------|-----------------|--------|-----------------------------|----------------------------------------|
| 1             | Dichlorodifluoromethane (CFC-12)              | 75-71-8  | 00022922        | 99%    | 2,016.7 µg/mL               | +/- 114.0219                           |
| 2             | Chloromethane (methyl chloride)               | 74-87-3  | SHBP8835        | 99%    | 2,015.3 µg/mL               | +/- 115.0747                           |
| 3             | Vinyl chloride                                | 75-01-4  | 00015559        | 99%    | 2,015.3 µg/mL               | +/- 115.4962                           |
| 4             | 1,3-Butadiene                                 | 106-99-0 | 00019375        | 99%    | 2,020.7 µg/mL               | +/- 114.1301                           |
| 5             | Bromomethane (methyl bromide)                 | 74-83-9  | 00017022        | 99%    | 2,025.3 µg/mL               | +/- 114.3368                           |
| 6             | Chloroethane (ethyl chloride)                 | 75-00-3  | 107-401039114-1 | 99%    | 2,023.4 µg/mL               | +/- 114.7120                           |
| 7             | Dichlorofluoromethane (CFC-21)                | 75-43-4  | 14485600        | 90%    | 2,019.6 µg/mL               | +/- 113.4524                           |
| 8             | Trichlorofluoromethane ( CFC-11 )             | 75-69-4  | MKCJ8658        | 99%    | 2,020.0 µg/mL               | +/- 113.4748                           |
| 9             | 1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a) | 354-23-4 | 877500          | 99%    | 2,021.2 µg/mL               | +/- 114.0989                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Tech Tips:

Raw material may contain trace amounts of tert-Butanol.

## Quality Confirmation Test

### Column:

60m x 0.25mm x 1.4µm  
Rtx-502.2 (cat.#10916)

### Carrier Gas:

helium-constant flow 2.0 mL/min.

### Temp. Program:

40°C (hold 6 min.) to 100°C  
@ 6°C/min.

### Inj. Temp:

200°C

### Det. Temp:

250°C

### Det. Type:

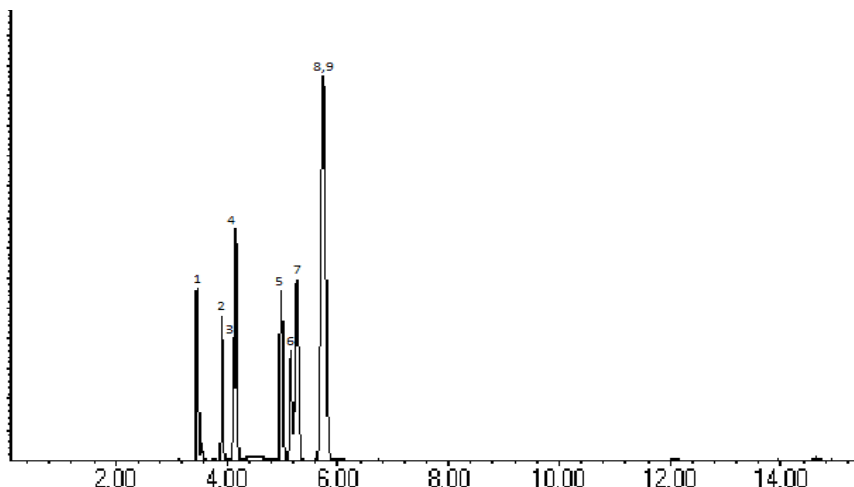
MSD

### Split Vent:

Split ratio 10:1

### Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 28-May-2024

Balance Serial # B251644995

Dillan Murphy - Operations Technician I

Date Passed: 03-Jun-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_Cus826\_IS\_00674**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 558267 **Lot No.:** A0203141

**Description :** Custom 8260A IS Mix  
Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2-Methyl-2-propanol-d10 | 53001-22-2 | PR-29961 | 99%    | 12,504.0 µg/mL              | +/- 155.5359                           |
| 2             | Fluorobenzene           | 462-06-6   | BCBZ5549 | 99%    | 2,503.5 µg/mL               | +/- 31.1565                            |
| 3             | Chlorobenzene-d5        | 3114-55-4  | PR-29571 | 99%    | 2,502.0 µg/mL               | +/- 31.1378                            |
| 4             | 1,4-Dichlorobenzene-d4  | 3855-82-1  | PR-30447 | 99%    | 2,504.5 µg/mL               | +/- 31.1689                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

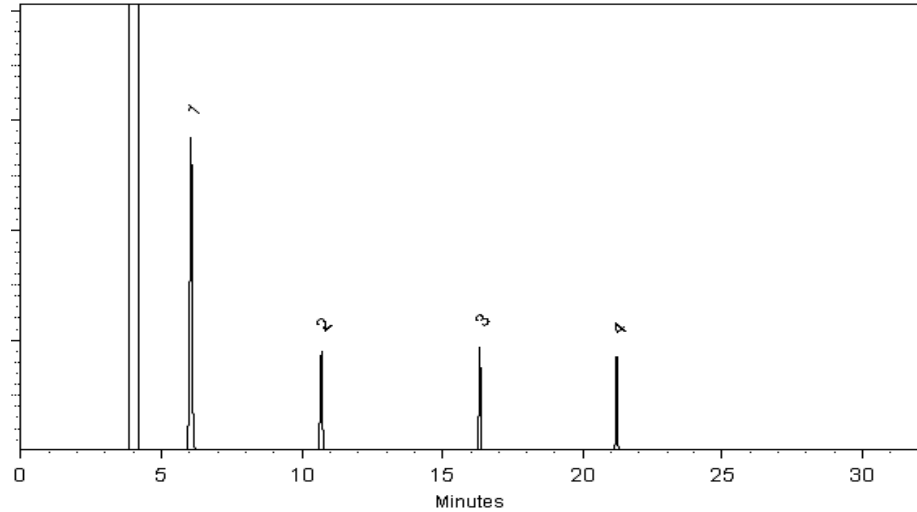
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023

Balance Serial # B707717271

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

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- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_Cus826\_IS\_00739**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 558267 **Lot No.:** A0203141

**Description :** Custom 8260A IS Mix  
Custom 8260A IS Mix 2,500-12,500µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | 2-Methyl-2-propanol-d10 | 53001-22-2 | PR-29961 | 99%    | 12,504.0 µg/mL              | +/- 155.5359                           |
| 2             | Fluorobenzene           | 462-06-6   | BCBZ5549 | 99%    | 2,503.5 µg/mL               | +/- 31.1565                            |
| 3             | Chlorobenzene-d5        | 3114-55-4  | PR-29571 | 99%    | 2,502.0 µg/mL               | +/- 31.1378                            |
| 4             | 1,4-Dichlorobenzene-d4  | 3855-82-1  | PR-30447 | 99%    | 2,504.5 µg/mL               | +/- 31.1689                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

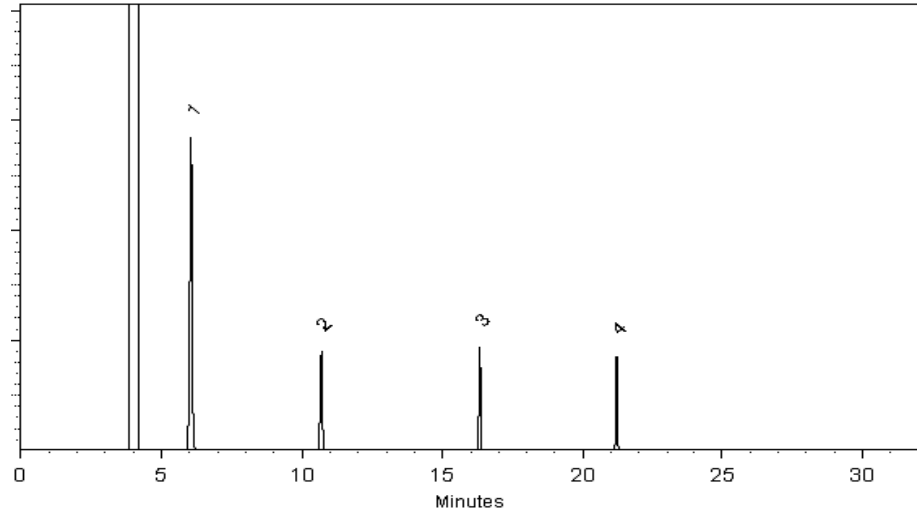
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 13-Oct-2023

Balance Serial # B707717271

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Oct-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_EE\_Neat\_00012**

## CERTIFICATE OF ANALYSIS

### Ethyl ether

|                   |                                  |
|-------------------|----------------------------------|
| CATALOG NUMBER    | N-11897-1G                       |
| LOT NUMBER        | 14084700                         |
| DATE CERTIFIED    | 06/08/22                         |
| EXPIRATION DATE   | 06/30/27                         |
| CAS NUMBER        | 60-29-7                          |
| MOLECULAR FORMULA | C <sub>4</sub> H <sub>10</sub> O |
| MOLECULAR WEIGHT  | 74.12                            |
| STORAGE           | Refrigerator storage (2 - 8 °C)  |
| HANDLING          | See Safety Data Sheet            |
| INTENDED USE      | For laboratory use only.         |

| Analytical Test    | Value                 |
|--------------------|-----------------------|
| % PURITY (GC/FID)  | 99.5                  |
| FT-IR SPECTROSCOPY | CONFORMS TO STRUCTURE |

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:



Kristin R Jones

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



COA Form  
Revision 3 (3/2015)

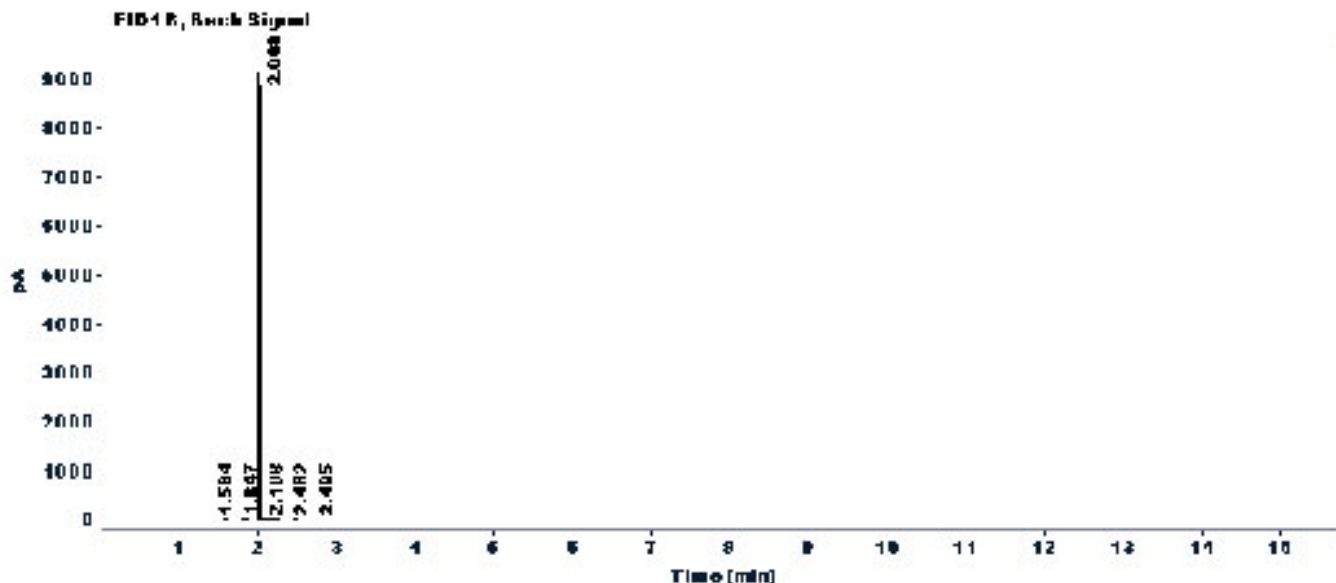
Print Date: 02/02/23

## CERTIFICATE OF ANALYSIS

### Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\CHEM32\1\DATA\2022 DATA\0622\ethyl ether.D  
 Sample name: Ethyl ether  
 Acq. method: FRANNY-BACK.M  
 Instrument: GC3  
 Injection date: 6/8/2022 12:35:47 PM  
 Column name: RTX-5MS (30m x 0.25mm x 0.5µm)

Location: 205  
 Injection Vol: 0.100  
 # Of Injections: 1



Signal: FID1 B, Back Signal

| RT [min] | Type | Width [min] | Area      | Height    | Area%   |
|----------|------|-------------|-----------|-----------|---------|
| 1.584    | BB   | 0.0118      | 2.2881    | 3.0236    | 0.0324  |
| 1.847    | BB   | 0.0128      | 3.4389    | 4.5659    | 0.0487  |
| 2.008    | VB S | 0.0123      | 7054.1309 | 8866.6377 | 99.8684 |
| 2.108    | BB T | 0.0124      | 0.6178    | 0.7662    | 0.0087  |
| 2.462    | BV   | 0.0173      | 1.5205    | 1.4371    | 0.0215  |
| 2.495    | VB   | 0.0170      | 1.4321    | 1.3951    | 0.0203  |
| Sum      |      |             | 7063.4283 |           |         |

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.





Reagent

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**MSV\_EtBr\_00010**

## CERTIFICATE OF ANALYSIS

### Ethyl bromide

CATALOG NUMBER N-11888-1G  
LOT NUMBER 13345600  
DATE CERTIFIED 06/15/22  
EXPIRATION DATE 06/30/25  
CAS NUMBER 74-96-4  
MOLECULAR FORMULA C<sub>2</sub>H<sub>5</sub>Br  
MOLECULAR WEIGHT 108.97  
STORAGE Store at room temperature (20 - 25 °C).  
HANDLING See Safety Data Sheet  
INTENDED USE For laboratory use only.

| Analytical Test    | Value                 |
|--------------------|-----------------------|
| % PURITY (GC/FID)  | 99.5                  |
| FT-IR SPECTROSCOPY | CONFORMS TO STRUCTURE |

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

*Mary Beth O'Donnell*

Mary Beth O'Donnell  
CSM/TC

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



COA Form  
Revision 3 (3/2015)

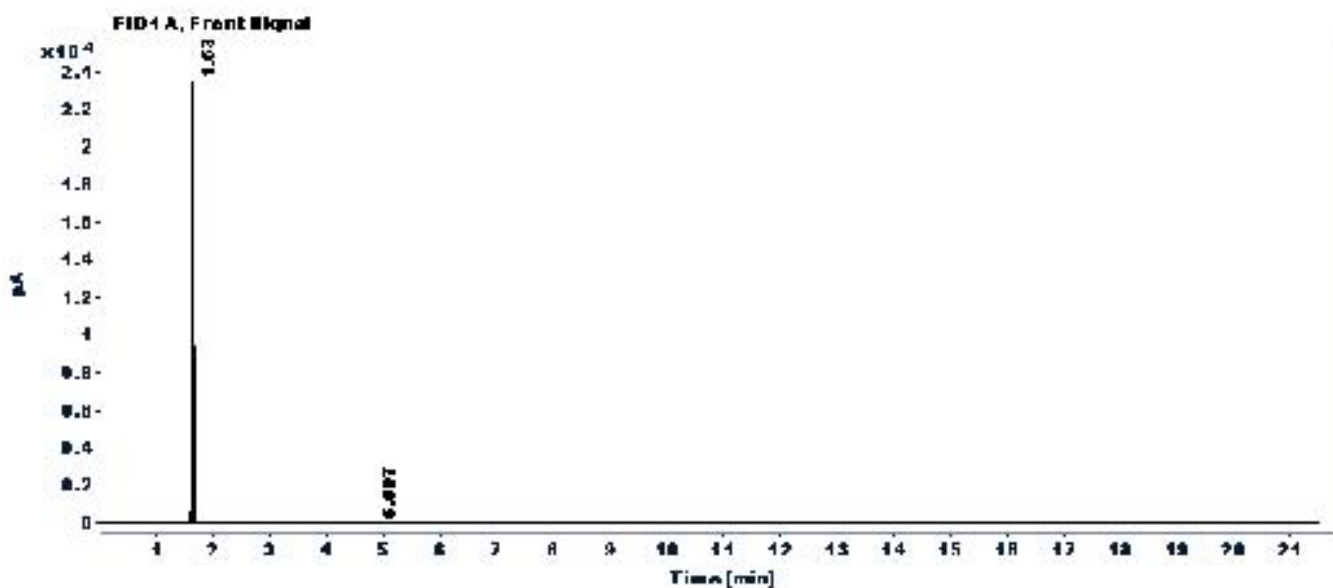
Print Date: 06/17/22

## CERTIFICATE OF ANALYSIS

### Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file: C:\Chem32\1\Data\2022 Data\0622\ethyl bromide.D  
 Sample name: Ethyl bromide  
 Acq. method: FRONT MIX.M  
 Instrument: GC3  
 Injection date: 6/15/2022 2:26:35 PM  
 Column name: Rxi-624Sil MS(30m x 0.32mm ID, 1.8um)

Location: 103  
 Injection Vol: 0.200  
 # Of Injections: 1



Signal: FID1 A, Front Signal

| RT [min] | Type | Width [min] | Area       | Height     | Area%   |
|----------|------|-------------|------------|------------|---------|
| 1.630    | BB S | 0.0235      | 34777.1563 | 23544.8711 | 99.8457 |
| 5.097    | VV R | 0.0334      | 53.7284    | 24.9837    | 0.1543  |
| Sum      |      |             | 34830.8846 |            |         |

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



Reagent

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**MSV\_MegaMIX#1\_00224**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 577486 **Lot No.:** A0211483

**Description :** Custom VOC MegaMix® #1 Standard

Custom VOC MegaMix® #1 Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                             | CAS #    | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------------------------|----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | 1,1-dichloroethene                   | 75-35-4  | SHBG8609V   | 99%    | 5,038.8 µg/mL               | +/- 283.8004                           |
| 2             | Methylene chloride (dichloromethane) | 75-09-2  | 231383      | 99%    | 5,013.9 µg/mL               | +/- 282.3994                           |
| 3             | trans-1,2-Dichloroethene             | 156-60-5 | MKCP9516    | 99%    | 5,020.8 µg/mL               | +/- 282.7901                           |
| 4             | 1,1-Dichloroethane                   | 75-34-3  | 852900      | 99%    | 5,007.1 µg/mL               | +/- 282.0157                           |
| 5             | 2,2-Dichloropropane                  | 594-20-7 | RP231114CTH | 99%    | 5,045.8 µg/mL               | +/- 284.2162                           |
| 6             | cis-1,2-Dichloroethene               | 156-59-2 | MKCP7830    | 99%    | 5,049.3 µg/mL               | +/- 284.4180                           |
| 7             | chloroform                           | 67-66-3  | SHBN8469    | 99%    | 5,032.5 µg/mL               | +/- 283.4484                           |
| 8             | Bromochloromethane                   | 74-97-5  | S231117RSR  | 99%    | 5,043.2 µg/mL               | +/- 284.0707                           |
| 9             | 1,1,1-trichloroethane                | 71-55-6  | RD230728RSR | 99%    | 5,043.7 µg/mL               | +/- 284.0785                           |
| 10            | 1,1-Dichloropropene                  | 563-58-6 | S240215ECS  | 99%    | 5,045.2 µg/mL               | +/- 284.1833                           |
| 11            | carbon tetrachloride                 | 56-23-5  | SHBP4875    | 99%    | 5,042.8 µg/mL               | +/- 284.0292                           |
| 12            | 1,2-Dichloroethane                   | 107-06-2 | SHBQ5408    | 99%    | 5,007.8 µg/mL               | +/- 282.0579                           |
| 13            | Benzene                              | 71-43-2  | MKCS3357    | 99%    | 5,011.2 µg/mL               | +/- 282.2682                           |
| 14            | Trichloroethene                      | 79-01-6  | SHBQ6161    | 99%    | 5,019.9 µg/mL               | +/- 282.7408                           |
| 15            | 1,2-Dichloropropane                  | 78-87-5  | BCBR0882V   | 99%    | 5,041.1 µg/mL               | +/- 283.9307                           |
| 16            | bromodichloromethane                 | 75-27-4  | MKCF8470    | 99%    | 5,014.1 µg/mL               | +/- 282.4134                           |

|    |                               |            |               |     |         |       |     |          |
|----|-------------------------------|------------|---------------|-----|---------|-------|-----|----------|
| 17 | Dibromomethane                | 74-95-3    | 107151T06C    | 99% | 5,019.6 | µg/mL | +/- | 282.7423 |
| 18 | cis-1,3-Dichloropropene       | 10061-01-5 | RP231025CTH   | 99% | 5,036.1 | µg/mL | +/- | 283.6490 |
| 19 | Toluene                       | 108-88-3   | MKCS9989      | 99% | 5,027.9 | µg/mL | +/- | 283.2117 |
| 20 | trans-1,3-Dichloropropene     | 10061-02-6 | RP231025CTH-1 | 98% | 5,002.6 | µg/mL | +/- | 281.7640 |
| 21 | 1,1,2-Trichloroethane         | 79-00-5    | FGB01         | 99% | 5,010.4 | µg/mL | +/- | 282.2022 |
| 22 | 1,3-Dichloropropane           | 142-28-9   | BCCH5357      | 99% | 5,043.1 | µg/mL | +/- | 284.0660 |
| 23 | Tetrachloroethene             | 127-18-4   | SHBQ0051      | 99% | 5,014.8 | µg/mL | +/- | 282.4522 |
| 24 | dibromochloromethane          | 124-48-1   | MKCT4871      | 99% | 5,042.3 | µg/mL | +/- | 283.9976 |
| 25 | 1,2-Dibromoethane (EDB)       | 106-93-4   | BCCH7113      | 99% | 5,041.7 | µg/mL | +/- | 283.9862 |
| 26 | Chlorobenzene                 | 108-90-7   | SHBN6640      | 99% | 5,013.3 | µg/mL | +/- | 282.3642 |
| 27 | 1,1,1,2-Tetrachloroethane     | 630-20-6   | TMWGK         | 99% | 5,025.2 | µg/mL | +/- | 283.0568 |
| 28 | Ethylbenzene                  | 100-41-4   | 094632T20F    | 99% | 5,042.0 | µg/mL | +/- | 284.0050 |
| 29 | m-Xylene                      | 108-38-3   | SHBN6673      | 99% | 5,042.2 | µg/mL | +/- | 284.0143 |
| 30 | p-Xylene                      | 106-42-3   | SHBP5191      | 99% | 5,038.1 | µg/mL | +/- | 283.7843 |
| 31 | o-Xylene                      | 95-47-6    | 50069309      | 99% | 5,047.2 | µg/mL | +/- | 284.2960 |
| 32 | Styrene                       | 100-42-5   | MKCQ3390      | 99% | 5,038.9 | µg/mL | +/- | 283.8313 |
| 33 | Isopropylbenzene (cumene)     | 98-82-8    | Z20D022       | 99% | 5,022.8 | µg/mL | +/- | 282.9253 |
| 34 | bromoform                     | 75-25-2    | 050494L04R    | 99% | 5,036.9 | µg/mL | +/- | 283.6948 |
| 35 | 1,1,2,2-Tetrachloroethane     | 79-34-5    | QQJ4I         | 99% | 5,032.5 | µg/mL | +/- | 283.4484 |
| 36 | 1,2,3-Trichloropropane        | 96-18-4    | Q91-34        | 98% | 5,042.7 | µg/mL | +/- | 284.0428 |
| 37 | n-Propylbenzene               | 103-65-1   | 095067T18C    | 99% | 5,028.8 | µg/mL | +/- | 283.2586 |
| 38 | Bromobenzene                  | 108-86-1   | MKCQ7174      | 99% | 5,026.8 | µg/mL | +/- | 283.1460 |
| 39 | 1,3,5-Trimethylbenzene        | 108-67-8   | BCCH6852      | 99% | 5,023.1 | µg/mL | +/- | 282.9394 |
| 40 | 2-Chlorotoluene               | 95-49-8    | 235783M23T    | 99% | 5,028.7 | µg/mL | +/- | 283.2539 |
| 41 | 4-Chlorotoluene               | 106-43-4   | BCCG9286      | 99% | 5,043.9 | µg/mL | +/- | 284.1129 |
| 42 | tert-Butylbenzene             | 98-06-6    | STBJ1937      | 99% | 5,047.3 | µg/mL | +/- | 284.3054 |
| 43 | 1,2,4-Trimethylbenzene        | 95-63-6    | MKCS3775      | 99% | 5,046.3 | µg/mL | +/- | 284.2490 |
| 44 | sec-Butylbenzene              | 135-98-8   | MKCP2266      | 99% | 5,044.3 | µg/mL | +/- | 284.1364 |
| 45 | p-Isopropyltoluene (p-Cymene) | 99-87-6    | MKCS1827      | 99% | 5,035.8 | µg/mL | +/- | 283.6576 |
| 46 | 1,3-Dichlorobenzene           | 541-73-1   | BCCD5315      | 99% | 5,034.6 | µg/mL | +/- | 283.5646 |
| 47 | 1,4-Dichlorobenzene           | 106-46-7   | MKBS7929V     | 99% | 5,015.5 | µg/mL | +/- | 282.4909 |
| 48 | n-Butylbenzene                | 104-51-8   | 09418JJ       | 99% | 5,034.7 | µg/mL | +/- | 283.5919 |
| 49 | 1,2-Dichlorobenzene           | 95-50-1    | SHBL6287      | 99% | 5,012.9 | µg/mL | +/- | 282.3466 |
| 50 | 1,2-Dibromo-3-chloropropane   | 96-12-8    | HBMVB         | 97% | 5,029.4 | µg/mL | +/- | 283.2935 |
| 51 | 1,2,4-Trichlorobenzene        | 120-82-1   | SHBP5900      | 99% | 5,042.1 | µg/mL | +/- | 284.0096 |
| 52 | Hexachlorobutadiene           | 87-68-3    | X05J          | 99% | 5,023.4 | µg/mL | +/- | 282.9582 |

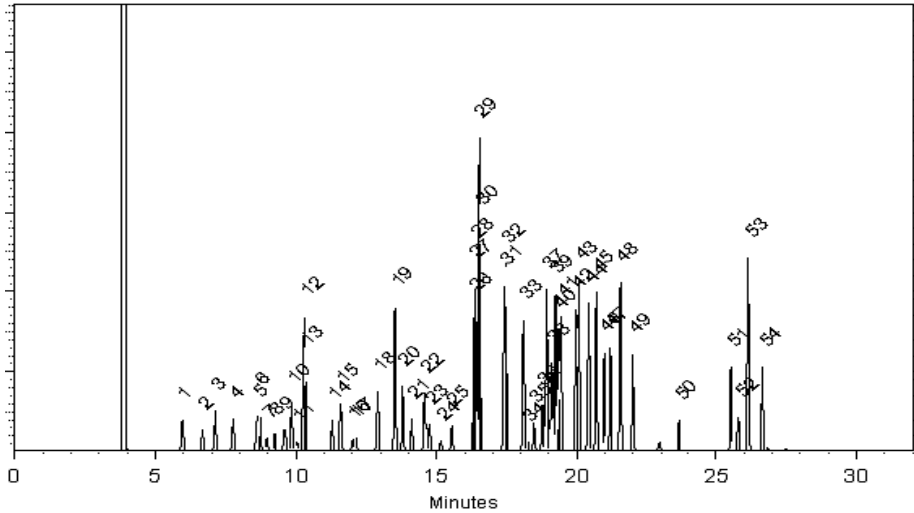
|    |                        |         |           |     |         |       |              |
|----|------------------------|---------|-----------|-----|---------|-------|--------------|
| 53 | Naphthalene            | 91-20-3 | STBL1057  | 99% | 5,008.3 | µg/mL | +/- 282.1039 |
| 54 | 1,2,3-Trichlorobenzene | 87-61-6 | MKBX7627V | 99% | 5,037.8 | µg/mL | +/- 283.7656 |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

Quality Confirmation Test

**Column:**  
105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)  
**Carrier Gas:**  
hydrogen-constant pressure 11.0 psi.  
**Temp. Program:**  
40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)  
**Inj. Temp:**  
200°C  
**Det. Temp:**  
250°C  
**Det. Type:**  
FID  
**Split Vent:**  
40 ml/min  
**Inj. Vol**  
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Russ Bookhamer*  
Russ Bookhamer - Operations Technician I

**Date Mixed:** 15-May-2024      **Balance Serial #** B442140311

*Jennifer J. Pollino*  
Jennifer Pollino - Operations Tech III - ARM QC

**Date Passed:** 17-May-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



Reagent

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**MSV\_MegaMix#2\_00227**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 577487 **Lot No.:** A0212010

**Description :** Custom VOC MegaMix® #2 Standard

Custom VOC MegaMix® #2 Standard 5000-62500µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                 | CAS #     | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|------------------------------------------|-----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | n-Pentane (C5)                           | 109-66-0  | STBK5006    | 99%    | 5,041.0 µg/mL               | +/- 84.9562                            |
| 2             | 2-Propanol (isopropanol)                 | 67-63-0   | SHBR1699    | 99%    | 25,199.0 µg/mL              | +/- 412.0520                           |
| 3             | 1,1,2-Trichlorotrifluoroethane (CFC-113) | 76-13-1   | 00009482    | 99%    | 5,039.2 µg/mL               | +/- 84.9253                            |
| 4             | tert-Butanol (TBA)                       | 75-65-0   | SHBQ8002    | 99%    | 25,207.0 µg/mL              | +/- 412.1828                           |
| 5             | Methyl acetate                           | 79-20-9   | SHBP3100    | 99%    | 5,037.0 µg/mL               | +/- 84.8888                            |
| 6             | Iodomethane (methyl iodide)              | 74-88-4   | RD240405RSR | 99%    | 5,048.3 µg/mL               | +/- 85.0798                            |
| 7             | Allyl chloride ( 3-chloropropene )       | 107-05-1  | RD240221ECS | 99%    | 5,046.7 µg/mL               | +/- 85.0517                            |
| 8             | Carbon disulfide                         | 75-15-0   | Q30J743     | 99%    | 5,036.0 µg/mL               | +/- 84.8719                            |
| 9             | Acrylonitrile                            | 107-13-1  | MKCN8129    | 99%    | 12,598.0 µg/mL              | +/- 206.0015                           |
| 10            | Methyl-tert-butyl ether ( MTBE )         | 1634-04-4 | SHBQ4873    | 99%    | 5,040.7 µg/mL               | +/- 84.9506                            |
| 11            | n-Hexane (C6)                            | 110-54-3  | 102412P22T  | 99%    | 5,042.5 µg/mL               | +/- 84.9815                            |
| 12            | Diisopropyl ether ( DIPE )               | 108-20-3  | STBK8028    | 99%    | 5,042.7 µg/mL               | +/- 84.9843                            |
| 13            | Chloroprene (2-chloro-1,3-butadiene)     | 126-99-8  | S240508RSR  | 99%    | 5,049.7 µg/mL               | +/- 85.1023                            |
| 14            | Ethyl-tert-butyl ether (ETBE)            | 637-92-3  | MKCT4522    | 98%    | 5,049.9 µg/mL               | +/- 85.1069                            |
| 15            | Propionitrile                            | 107-12-0  | BCCH7430    | 99%    | 25,211.0 µg/mL              | +/- 412.2482                           |
| 16            | Methacrylonitrile                        | 126-98-7  | 1012014     | 99%    | 12,613.0 µg/mL              | +/- 206.2467                           |

|    |                                  |          |             |     |          |       |                |
|----|----------------------------------|----------|-------------|-----|----------|-------|----------------|
| 17 | Isobutanol (2-Methyl-1-propanol) | 78-83-1  | SHBR1206    | 99% | 63,123.0 | µg/mL | +/- 1,032.1821 |
| 18 | Tetrahydrofuran                  | 109-99-9 | SHBQ8516    | 99% | 25,247.0 | µg/mL | +/- 412.8369   |
| 19 | Cyclohexane                      | 110-82-7 | MKCS9749    | 99% | 5,046.2  | µg/mL | +/- 85.0433    |
| 20 | 1-Butanol                        | 71-36-3  | 101601K21K  | 99% | 63,110.0 | µg/mL | +/- 1,031.9695 |
| 21 | tert-Amyl methyl ether (TAME)    | 994-05-8 | HMBJ0825    | 99% | 5,038.5  | µg/mL | +/- 84.9141    |
| 22 | n-Heptane (C7)                   | 142-82-5 | 044743T03G  | 99% | 5,049.2  | µg/mL | +/- 85.0938    |
| 23 | tert-Amyl ethyl ether (TAEE)     | 919-94-8 | IKVYB       | 97% | 5,038.8  | µg/mL | +/- 84.9196    |
| 24 | Methylcyclohexane                | 108-87-2 | SHBN1699    | 99% | 5,044.8  | µg/mL | +/- 85.0208    |
| 25 | Methyl methacrylate              | 80-62-6  | MKCQ2756    | 99% | 5,048.0  | µg/mL | +/- 85.0742    |
| 26 | 1,4-Dioxane                      | 123-91-1 | SHBQ2407    | 99% | 63,103.0 | µg/mL | +/- 1,031.8550 |
| 27 | 2-Nitropropane                   | 79-46-9  | BCCB9352    | 97% | 25,238.4 | µg/mL | +/- 412.6967   |
| 28 | Ethyl methacrylate               | 97-63-2  | MKCN6206    | 97% | 5,046.9  | µg/mL | +/- 85.0558    |
| 29 | 1-Chlorohexane                   | 544-10-5 | BCBS3368V   | 99% | 5,044.5  | µg/mL | +/- 85.0152    |
| 30 | trans-1,4-dichloro-2-butene      | 110-57-6 | RP240130CTH | 98% | 12,602.8 | µg/mL | +/- 206.0799   |
| 31 | 1,2,3-Trimethylbenzene           | 526-73-8 | 8776.10-38  | 99% | 5,043.7  | µg/mL | +/- 85.0012    |
| 32 | 1,3-Diethylbenzene               | 141-93-5 | BCBZ6270    | 99% | 5,048.3  | µg/mL | +/- 85.0798    |
| 33 | Benzyl chloride                  | 100-44-7 | MKCM5986    | 99% | 5,039.8  | µg/mL | +/- 84.9365    |
| 34 | 1,4-Diethylbenzene               | 105-05-5 | 1135.72-1   | 99% | 5,048.2  | µg/mL | +/- 85.0770    |
| 35 | 1,2-Diethylbenzene               | 135-01-3 | BCCG9282    | 99% | 5,049.3  | µg/mL | +/- 85.0967    |
| 36 | 1,3,5-Trichlorobenzene           | 108-70-3 | 11319AS     | 99% | 5,046.3  | µg/mL | +/- 85.0461    |
| 37 | 2-Methylnaphthalene              | 91-57-6  | STBL3028    | 99% | 5,045.0  | µg/mL | +/- 85.0236    |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

# Quality Confirmation Test

**Column:**

60m x 0.25mm x 1.4µm  
Rtx-502.2 (cat.#10916)

**Carrier Gas:**

helium-constant pressure 30 psi

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

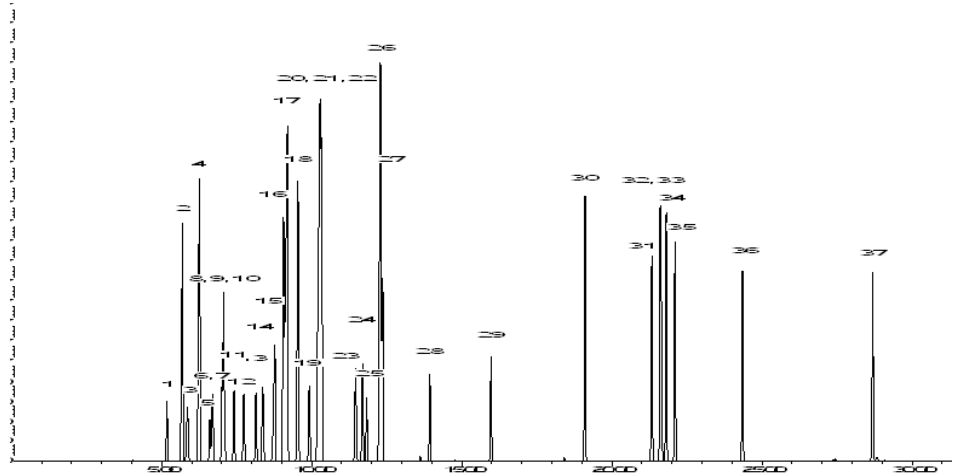
MSD

**Split Vent:**

25.0 ml/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 24-May-2024

Balance Serial # B251644995

Marlina Cowan - Operations Tech II ARM QC

Date Passed: 30-May-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_QC\_2K\_GAS\_00290**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 577488.SEC **Lot No.:** A0211460

**Description :** Custom Gases.SEC Standard

Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                      | CAS #        | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------------------------|--------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Dichlorodifluoromethane (CFC-12)              | 75-71-8.SEC  | 28888    | 99%    | 2,002.3 µg/mL               | +/- 116.3467                           |
| 2             | Chloromethane (methyl chloride)               | 74-87-3.SEC  | 00022694 | 99%    | 2,014.2 µg/mL               | +/- 117.1824                           |
| 3             | Vinyl chloride                                | 75-01-4 *    | 00015559 | 99%    | 2,009.3 µg/mL               | +/- 117.9630                           |
| 4             | 1,3-Butadiene                                 | 106-99-0.SEC | 28539    | 99%    | 2,030.2 µg/mL               | +/- 117.6986                           |
| 5             | Bromomethane (methyl bromide)                 | 74-83-9 *    | 00017022 | 99%    | 2,017.1 µg/mL               | +/- 136.9230                           |
| 6             | Chloroethane (ethyl chloride)                 | 75-00-3.SEC  | 00021903 | 99%    | 2,005.3 µg/mL               | +/- 122.7081                           |
| 7             | Dichlorofluoromethane (CFC-21)                | 75-43-4 *    | 14485600 | 90%    | 2,016.0 µg/mL               | +/- 113.2616                           |
| 8             | Trichlorofluoromethane (CFC-11)               | 75-69-4.SEC  | 00010739 | 99%    | 2,020.0 µg/mL               | +/- 113.4863                           |
| 9             | 1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a) | 354-23-4 *   | 877500   | 99%    | 2,005.1 µg/mL               | +/- 115.4133                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

\* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

### Tech Tips:

Raw material may contain trace amounts of tert-Butanol.

## Quality Confirmation Test

### Column:

60m x 0.25mm x 1.4µm  
Rtx-502.2 (cat.#10916)

### Carrier Gas:

helium-constant flow 2.0 mL/min.

### Temp. Program:

40°C (hold 6 min.) to 100°C  
@ 6°C/min.

### Inj. Temp:

200°C

### Det. Temp:

250°C

### Det. Type:

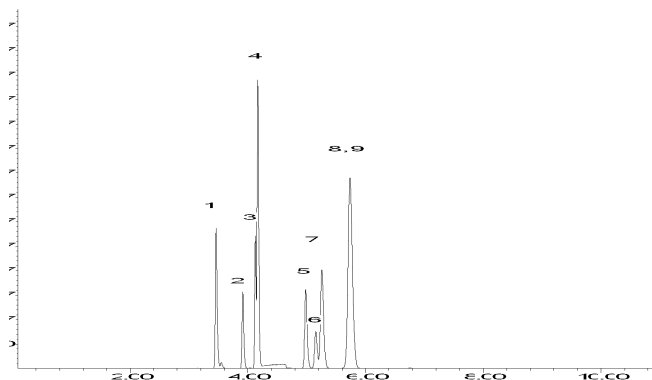
MSD

### Split Vent:

Split ratio 10:1

### Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024

Balance Serial # 1127510105

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_QC\_2K\_GAS\_00311**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 577488.SEC **Lot No.:** A0211460

**Description :** Custom Gases.SEC Standard  
Custom Gases.SEC Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                                      | CAS #        | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------------------------|--------------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Dichlorodifluoromethane (CFC-12)              | 75-71-8.SEC  | 28888    | 99%    | 2,002.3 µg/mL               | +/- 116.3467                           |
| 2             | Chloromethane (methyl chloride)               | 74-87-3.SEC  | 00022694 | 99%    | 2,014.2 µg/mL               | +/- 117.1824                           |
| 3             | Vinyl chloride                                | 75-01-4 *    | 00015559 | 99%    | 2,009.3 µg/mL               | +/- 117.9630                           |
| 4             | 1,3-Butadiene                                 | 106-99-0.SEC | 28539    | 99%    | 2,030.2 µg/mL               | +/- 117.6986                           |
| 5             | Bromomethane (methyl bromide)                 | 74-83-9 *    | 00017022 | 99%    | 2,017.1 µg/mL               | +/- 136.9230                           |
| 6             | Chloroethane (ethyl chloride)                 | 75-00-3.SEC  | 00021903 | 99%    | 2,005.3 µg/mL               | +/- 122.7081                           |
| 7             | Dichlorofluoromethane (CFC-21)                | 75-43-4 *    | 14485600 | 90%    | 2,016.0 µg/mL               | +/- 113.2616                           |
| 8             | Trichlorofluoromethane (CFC-11)               | 75-69-4.SEC  | 00010739 | 99%    | 2,020.0 µg/mL               | +/- 113.4863                           |
| 9             | 1,2-Dichloro-1,1,2-trifluoroethane (CFC-123a) | 354-23-4 *   | 877500   | 99%    | 2,005.1 µg/mL               | +/- 115.4133                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

\* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

**Tech Tips:**

Raw material may contain trace amounts of tert-Butanol.

## Quality Confirmation Test

**Column:**

60m x 0.25mm x 1.4µm  
Rtx-502.2 (cat.#10916)

**Carrier Gas:**

helium-constant flow 2.0 mL/min.

**Temp. Program:**

40°C (hold 6 min.) to 100°C  
@ 6°C/min.

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

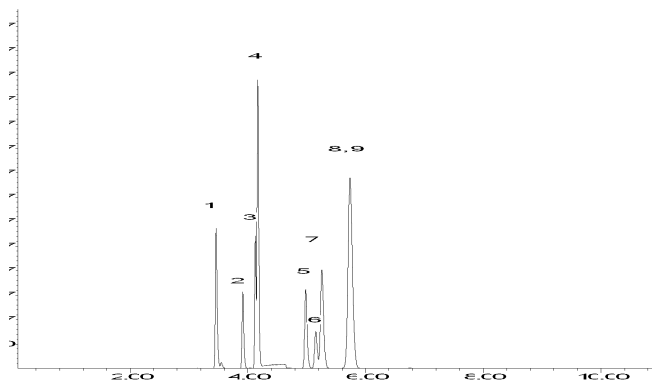
MSD

**Split Vent:**

Split ratio 10:1

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Matt Fragassi - Mix Technician

Date Mixed: 15-May-2024

Balance Serial # 1127510105

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 22-May-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_V#2B\_00417**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

# Certificate of Analysis

*chromatographic plus*

## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 56734 **Lot No.:** A0211456

**Description :** Custom V # 2B Standard

Custom V #2B Standard 12,500-125,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** May 31, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

| Elution Order   | Compound                         | CAS #    | Percent Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |
|-----------------|----------------------------------|----------|----------------|-----------------------------|--------------------------------------|
| 1               | 2-Propanol (isopropanol)         | 67-63-0  | 99%            | 25,027.0 µg/mL              | +/- 146.5386 µg/mL                   |
| 2               | tert-Butanol (TBA)               | 75-65-0  | 99%            | 25,028.0 µg/mL              | +/- 146.5444 µg/mL                   |
| 3               | Propionitrile                    | 107-12-0 | 99%            | 25,017.0 µg/mL              | +/- 146.4800 µg/mL                   |
| 4               | Methacrylonitrile                | 126-98-7 | 99%            | 12,514.0 µg/mL              | +/- 73.2722 µg/mL                    |
| 5               | Isobutanol (2-Methyl-1-propanol) | 78-83-1  | 99%            | 62,518.0 µg/mL              | +/- 366.0566 µg/mL                   |
| 6               | 1-Butanol                        | 71-36-3  | 99%            | 125,047.0 µg/mL             | +/- 732.1399 µg/mL                   |
| 7               | 1,4-Dioxane                      | 123-91-1 | 99%            | 62,517.0 µg/mL              | +/- 366.0508 µg/mL                   |
| 8               | trans-1,4-dichloro-2-butene      | 110-57-6 | 98%            | 12,522.4 µg/mL              | +/- 73.3216 µg/mL                    |
| <b>Solvent:</b> | P&T Methanol                     | 67-56-1  | 99%            |                             |                                      |

### Specific Reference Material Notes:

This RM (Reference Material) is not a CRM (Certified Reference Material) due to the 1-butanol concentration exceeding the maximum concentration on Restek's ISO Guide 34 scope of accreditation.

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

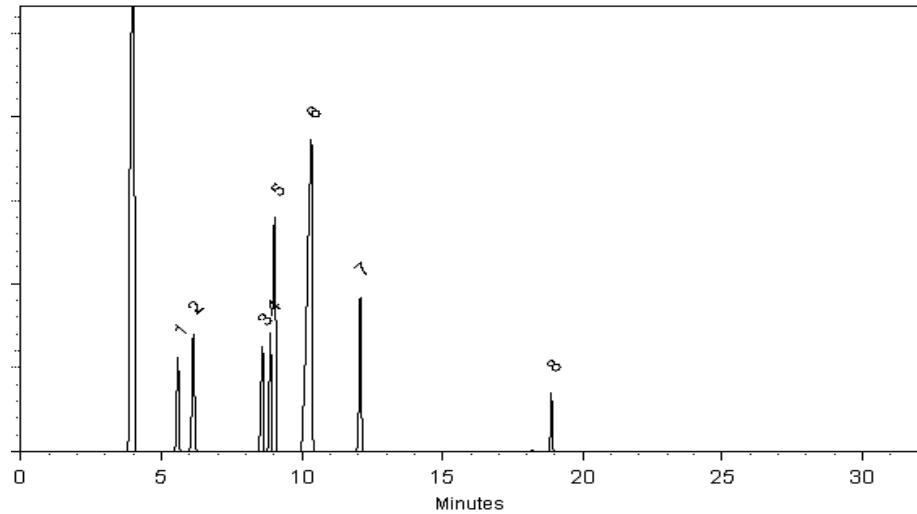
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 15-May-2024

Balance Serial # B707717271

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 20-May-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



## **General Reference Material Notes**

### **Expiration Notes:**

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the RM are based on the unopened product being stored according to the recommended condition found in the storage field.

### **Purity Notes:**

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ $\mu$ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### **Uncertainty Value Notes:**

- Uncertainties are determined using data from balances and glassware, raw material purity, and, when significant, equipment tolerances or calibration results.

### **Manufacturing Notes:**

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### **Handling Notes:**

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

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**MSV\_V\_Ketones\_00218**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 569721 **Lot No.:** A0210935

**Description :** 8260 List 1/ Std #2 Ketones (2015)  
8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                    | CAS #    | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------|----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Acetone                     | 67-64-1  | SHBQ8504 | 99%    | 12,591.3 µg/mL              | +/- 435.1857                           |
| 2             | 2-Butanone (MEK)            | 78-93-3  | SHBQ4704 | 99%    | 12,561.0 µg/mL              | +/- 434.1373                           |
| 3             | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP9200 | 99%    | 12,580.0 µg/mL              | +/- 434.7940                           |
| 4             | 2-Hexanone                  | 591-78-6 | MKCV1997 | 99%    | 12,580.7 µg/mL              | +/- 434.8170                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)  
**CAS #** 67-56-1/7732-18-5  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

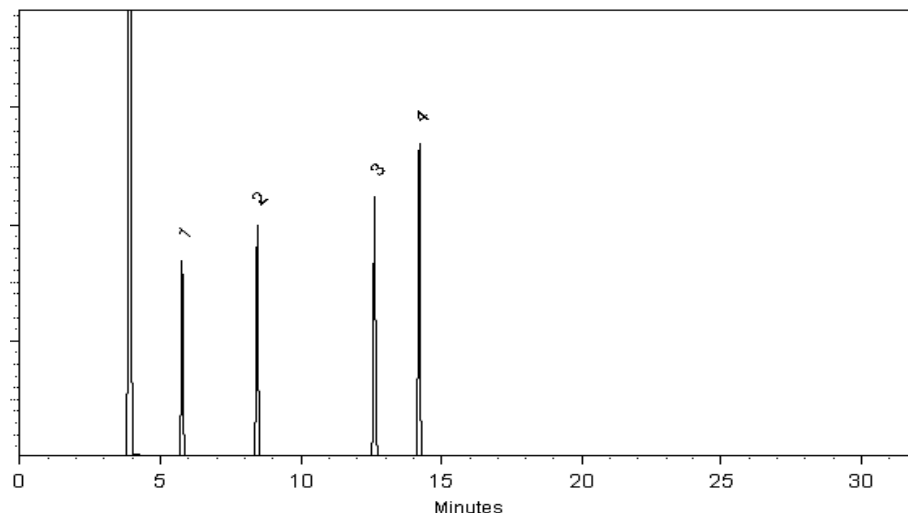
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 30-Apr-2024

Balance Serial # B707717271

Dillan Murphy - Operations Technician I

Date Passed: 02-May-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_V\_PentaCL\_00055**



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: 1-814-353-1300  
Fax: 1-814-353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

*chromatographic plus*



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 577491 **Lot No.:** A0197490

**Description :** Custom Pentachloroethane Standard

Custom Pentachloroethane Standard 5,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound          | CAS #   | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------|---------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Pentachloroethane | 76-01-7 | 13550700 | 97%    | 5,011.0 µg/mL               | +/- 281.5258                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol

**CAS #** 67-56-1

**Purity** 99%

## Quality Confirmation Test

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant flow 1.8 mL/min.

**Temp. Program:**

80°C (hold 0.1 min.) to 330°C  
@ 9.6°C/min. (hold 2.86 min.)

**Inj. Temp:**

250°C

**Det. Temp:**

340°C

**Det. Type:**

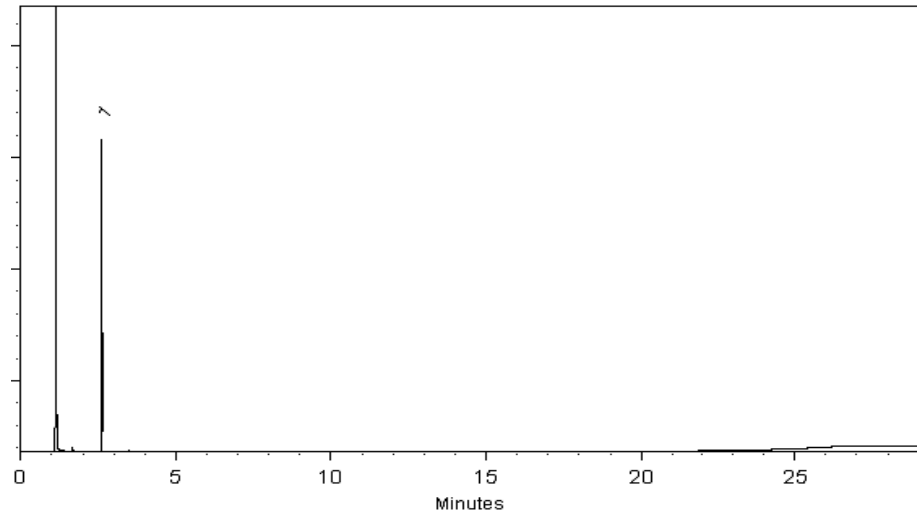
FID

**Split Vent:**

100 ml/min.

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Nick Yaw - Operations Tech I

Date Mixed: 26-Apr-2023

Balance Serial # B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 02-May-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

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**MSV\_V\_SIM\_00049**



CERTIFIED REFERENCE MATERIAL

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

# Certificate of Analysis



**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 566863 **Lot No.:** A0181588

**Description :** Custom SIM 8260C "V" Standard

Custom SIM 8260C "V" Standard 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** February 28, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound                                                              | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2)                                                          |
|---------------|-----------------------------------------------------------------------|-----------------------------|-----------------------------------------------------------------------------------------------|
| 1             | 1,1-dichloroethene<br>CAS # 75-35-4 (Lot SHBK2437)<br>Purity 99%      | 2,006.0 µg/mL               | +/- 11.9150 µg/mL Gravimetric<br>+/- 112.5008 µg/mL Unstressed<br>+/- 115.1320 µg/mL Stressed |
| 2             | cis-1,2-Dichloroethene<br>CAS # 156-59-2 (Lot MKCK1803)<br>Purity 99% | 2,010.0 µg/mL               | +/- 11.9388 µg/mL Gravimetric<br>+/- 112.7252 µg/mL Unstressed<br>+/- 115.3616 µg/mL Stressed |
| 3             | Trichloroethene<br>CAS # 79-01-6 (Lot SHBN3720)<br>Purity 99%         | 2,016.0 µg/mL               | +/- 11.9744 µg/mL Gravimetric<br>+/- 113.0617 µg/mL Unstressed<br>+/- 115.7059 µg/mL Stressed |
| 4             | Tetrachloroethene<br>CAS # 127-18-4 (Lot SHBJ7422)<br>Purity 99%      | 2,002.0 µg/mL               | +/- 11.8913 µg/mL Gravimetric<br>+/- 112.2765 µg/mL Unstressed<br>+/- 114.9024 µg/mL Stressed |

**Solvent:** P&T Methanol  
CAS # 67-56-1  
Purity 99%

**Column:**  
105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

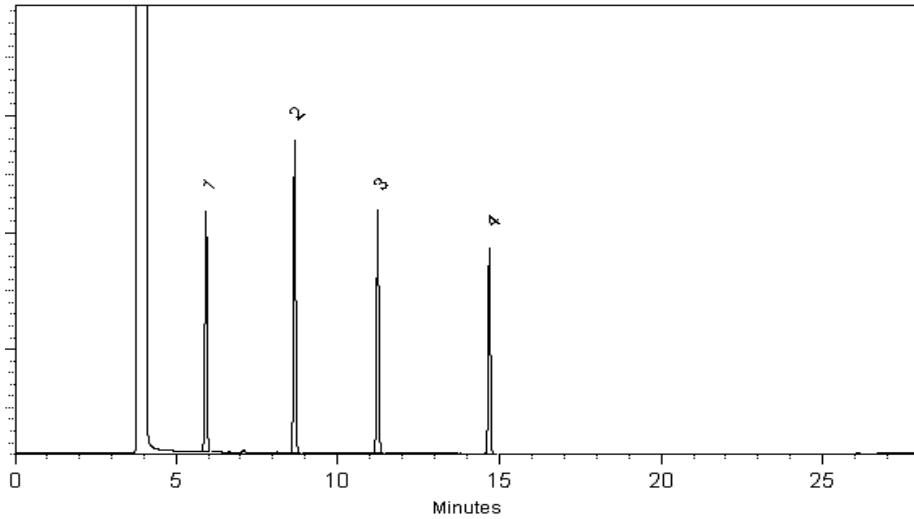
**Carrier Gas:**  
hydrogen-constant pressure 11.0 psi.

**Temp. Program:**  
40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

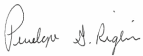
**Inj. Temp:**  
200°C

**Det. Temp:**  
250°C

**Det. Type:**  
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Penelope Riglin - Operations Tech I

**Date Mixed:** 09-Feb-2022      **Balance:** B707717271

  
Fang-Yun Lo - QC Analyst

**Date Passed:** 17-Feb-2022

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us) for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions                                          | Standard Conditions | Non-Standard Conditions |
|-----------------------------------------------------------|---------------------|-------------------------|
| 25°C Nominal (Room Temperature)                           | < 60°C              | ≥ 60°C up to 7 days     |
| 10°C or colder (Refrigerate)                              | < 40°C              | ≥ 40°C up to 7 days     |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C              | ≥ 25°C up to 7 days     |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us).
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

# Method 8260D Low Level

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Volatile Organic Compounds (GC/MS)  
by Method 8260D Low Level

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Matrix: Water

Level: Low

GC Column (1): R-624SilMS 3 ID: 0.25 (mm)

| Client Sample ID              | Lab Sample ID        | DBFM # | DCA # | TOL # | BFB # |
|-------------------------------|----------------------|--------|-------|-------|-------|
| HD-COD-SW-6-0/1-0             | 410-229793-1         | 108    | 110   | 98    | 91    |
| HD-COD-SW-7-0/1-0             | 410-229793-2         | 111    | 111   | 98    | 89    |
| HD-COD-SW-8-0/1-0             | 410-229793-3         | 113    | 113   | 98    | 90    |
| HD-COD-SW-9-0/1-0             | 410-229793-4         | 115    | 116   | 99    | 89    |
| HD-COD-SW-13-0/1-0            | 410-229793-5         | 111    | 112   | 96    | 90    |
| HD-COD-SW-15-0/1-0            | 410-229793-6         | 113    | 111   | 98    | 89    |
| HD-COD-SW-16-0/1-0            | 410-229793-7         | 108    | 111   | 99    | 91    |
| HD-COD-SW-17-0/1-0            | 410-229793-8         | 109    | 114   | 95    | 91    |
| HD-COD-SW-17-0/1-0<br>DL      | 410-229793-8 DL      | 113    | 116   | 97    | 90    |
| HD-COD-SW-26-0/1-0            | 410-229793-9         | 110    | 116   | 98    | 92    |
| HD-COD-SW-27-0/1-0            | 410-229793-10        | 108    | 110   | 98    | 93    |
| HD-COD-SW-28-0/1-0            | 410-229793-11        | 110    | 115   | 99    | 94    |
| HD-COD-SW-29-0/1-0            | 410-229793-12        | 112    | 117   | 100   | 94    |
| HD-QC1-0/1-1                  | 410-229793-13        | 112    | 113   | 94    | 89    |
| HD-QC1-0/1-1 DL               | 410-229793-13 DL     | 111    | 116   | 98    | 90    |
| HD-QC1-0/1-2                  | 410-229793-14        | 108    | 113   | 99    | 92    |
|                               | MB 410-666534/7      | 107    | 110   | 98    | 95    |
|                               | LCS 410-666534/4     | 103    | 105   | 105   | 100   |
|                               | LCSD<br>410-666534/5 | 100    | 111   | 104   | 102   |
| HD-COD-SW-15-0/1-0<br>MS MS   | 410-229793-6 MS      | 104    | 108   | 104   | 100   |
| HD-COD-SW-15-0/1-0<br>MSD MSD | 410-229793-6 MSD     | 103    | 108   | 104   | 102   |

QC LIMITS

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

80-120  
80-120  
80-120  
80-120

# Column to be used to flag recovery values

FORM II 8260D

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IL03X03.D

Lab ID: LCS 410-666534/4

Client ID:

| COMPOUND                    | SPIKE<br>ADDED<br>(ug/L) | LCS<br>CONCENTRATION<br>(ug/L) | LCS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-----------------------------|--------------------------|--------------------------------|-----------------|---------------------|---|
| 1,1,1,2-Tetrachloroethane   | 5.00                     | 4.49                           | 90              | 80-122              |   |
| 1,1,1-Trichloroethane       | 5.00                     | 4.51                           | 90              | 78-126              |   |
| 1,1,2,2-Tetrachloroethane   | 5.00                     | 4.05                           | 81              | 75-123              |   |
| 1,1,2-Trichloroethane       | 5.00                     | 4.43                           | 89              | 80-120              |   |
| 1,1-Dichloroethane          | 5.00                     | 4.50                           | 90              | 74-120              |   |
| 1,1-Dichloroethene          | 5.00                     | 4.70                           | 94              | 80-131              |   |
| 1,2-Dibromoethane (EDB)     | 5.00                     | 4.33                           | 87              | 80-120              |   |
| 1,2-Dichloroethane          | 5.00                     | 4.21                           | 84              | 69-122              |   |
| 1,2-Dichloropropane         | 5.00                     | 4.40                           | 88              | 80-120              |   |
| 2-Butanone (MEK)            | 62.5                     | 52.0                           | 83              | 59-141              |   |
| 2-Hexanone                  | 62.5                     | 55.4                           | 89              | 52-140              |   |
| 4-Methyl-2-pentanone (MIBK) | 62.5                     | 55.5                           | 89              | 55-140              |   |
| Acetone                     | 62.5                     | 45.9                           | 73              | 60-146              |   |
| Benzene                     | 5.00                     | 4.35                           | 87              | 80-120              |   |
| Bromochloromethane          | 5.00                     | 4.46                           | 89              | 80-133              |   |
| Bromodichloromethane        | 5.00                     | 4.29                           | 86              | 80-123              |   |
| Bromoform                   | 5.00                     | 4.27                           | 85              | 75-126              |   |
| Bromomethane                | 5.00                     | 3.96                           | 79              | 63-120              |   |
| Carbon disulfide            | 5.00                     | 4.12                           | 82              | 67-130              |   |
| Carbon tetrachloride        | 5.00                     | 4.54                           | 91              | 64-141              |   |
| Chlorobenzene               | 5.00                     | 4.41                           | 88              | 80-120              |   |
| Chloroethane                | 5.00                     | 4.03                           | 81              | 63-120              |   |
| Chloroform                  | 5.00                     | 4.39                           | 88              | 80-120              |   |
| Chloromethane               | 5.00                     | 3.75                           | 75              | 56-124              |   |
| cis-1,2-Dichloroethene      | 5.00                     | 4.77                           | 95              | 80-122              |   |
| cis-1,3-Dichloropropene     | 5.00                     | 4.08                           | 82              | 67-121              |   |
| Dibromochloromethane        | 5.00                     | 4.26                           | 85              | 80-123              |   |
| Ethylbenzene                | 5.00                     | 4.41                           | 88              | 80-120              |   |
| Methyl tert-butyl ether     | 5.00                     | 4.17                           | 83              | 69-120              |   |
| Methylene Chloride          | 5.00                     | 4.57                           | 91              | 80-120              |   |
| Styrene                     | 5.00                     | 4.92                           | 98              | 80-120              |   |
| Tetrachloroethene           | 5.00                     | 4.32                           | 86              | 80-120              |   |
| Toluene                     | 5.00                     | 4.49                           | 90              | 80-120              |   |
| trans-1,2-Dichloroethene    | 5.00                     | 4.68                           | 94              | 80-122              |   |
| trans-1,3-Dichloropropene   | 5.00                     | 4.33                           | 87              | 61-129              |   |
| Trichloroethene             | 5.00                     | 4.22                           | 84              | 80-120              |   |
| Vinyl chloride              | 5.00                     | 4.31                           | 86              | 60-125              |   |
| Xylenes, Total              | 15.0                     | 13.6                           | 91              | 80-120              |   |

# Column to be used to flag recovery and RPD values



FORM III  
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IL03X04.D

Lab ID: LCSD 410-666534/5

Client ID:

| COMPOUND                    | SPIKE<br>ADDED<br>(ug/L) | LCSD<br>CONCENTRATION<br>(ug/L) | LCSD<br>%<br>REC | %<br>RPD | QC LIMITS |        | # |
|-----------------------------|--------------------------|---------------------------------|------------------|----------|-----------|--------|---|
|                             |                          |                                 |                  |          | RPD       | REC    |   |
| 1,1,1,2-Tetrachloroethane   | 5.00                     | 4.58                            | 92               | 2        | 30        | 80-122 |   |
| 1,1,1-Trichloroethane       | 5.00                     | 4.52                            | 90               | 0        | 30        | 78-126 |   |
| 1,1,2,2-Tetrachloroethane   | 5.00                     | 4.11                            | 82               | 1        | 30        | 75-123 |   |
| 1,1,2-Trichloroethane       | 5.00                     | 4.64                            | 93               | 5        | 30        | 80-120 |   |
| 1,1-Dichloroethane          | 5.00                     | 4.58                            | 92               | 2        | 30        | 74-120 |   |
| 1,1-Dichloroethene          | 5.00                     | 4.76                            | 95               | 1        | 30        | 80-131 |   |
| 1,2-Dibromoethane (EDB)     | 5.00                     | 4.48                            | 90               | 3        | 30        | 80-120 |   |
| 1,2-Dichloroethane          | 5.00                     | 4.29                            | 86               | 2        | 30        | 69-122 |   |
| 1,2-Dichloropropane         | 5.00                     | 4.40                            | 88               | 0        | 30        | 80-120 |   |
| 2-Butanone (MEK)            | 62.5                     | 47.1                            | 75               | 10       | 30        | 59-141 |   |
| 2-Hexanone                  | 62.5                     | 48.7                            | 78               | 13       | 30        | 52-140 |   |
| 4-Methyl-2-pentanone (MIBK) | 62.5                     | 48.6                            | 78               | 13       | 30        | 55-140 |   |
| Acetone                     | 62.5                     | 40.8                            | 65               | 12       | 30        | 60-146 |   |
| Benzene                     | 5.00                     | 4.45                            | 89               | 2        | 30        | 80-120 |   |
| Bromochloromethane          | 5.00                     | 4.42                            | 88               | 1        | 30        | 80-133 |   |
| Bromodichloromethane        | 5.00                     | 4.36                            | 87               | 2        | 30        | 80-123 |   |
| Bromoform                   | 5.00                     | 4.42                            | 88               | 4        | 30        | 75-126 |   |
| Bromomethane                | 5.00                     | 3.98                            | 80               | 1        | 30        | 63-120 |   |
| Carbon disulfide            | 5.00                     | 4.10                            | 82               | 1        | 30        | 67-130 |   |
| Carbon tetrachloride        | 5.00                     | 4.55                            | 91               | 0        | 30        | 64-141 |   |
| Chlorobenzene               | 5.00                     | 4.45                            | 89               | 1        | 30        | 80-120 |   |
| Chloroethane                | 5.00                     | 4.05                            | 81               | 1        | 30        | 63-120 |   |
| Chloroform                  | 5.00                     | 4.38                            | 88               | 0        | 30        | 80-120 |   |
| Chloromethane               | 5.00                     | 3.64                            | 73               | 3        | 30        | 56-124 |   |
| cis-1,2-Dichloroethene      | 5.00                     | 4.79                            | 96               | 0        | 30        | 80-122 |   |
| cis-1,3-Dichloropropene     | 5.00                     | 4.20                            | 84               | 3        | 30        | 67-121 |   |
| Dibromochloromethane        | 5.00                     | 4.37                            | 87               | 2        | 30        | 80-123 |   |
| Ethylbenzene                | 5.00                     | 4.50                            | 90               | 2        | 30        | 80-120 |   |
| Methyl tert-butyl ether     | 5.00                     | 4.35                            | 87               | 4        | 30        | 69-120 |   |
| Methylene Chloride          | 5.00                     | 4.63                            | 93               | 1        | 30        | 80-120 |   |
| Styrene                     | 5.00                     | 4.99                            | 100              | 2        | 30        | 80-120 |   |
| Tetrachloroethene           | 5.00                     | 4.29                            | 86               | 1        | 30        | 80-120 |   |
| Toluene                     | 5.00                     | 4.55                            | 91               | 1        | 30        | 80-120 |   |
| trans-1,2-Dichloroethene    | 5.00                     | 4.72                            | 94               | 1        | 30        | 80-122 |   |
| trans-1,3-Dichloropropene   | 5.00                     | 4.33                            | 87               | 0        | 30        | 61-129 |   |
| Trichloroethene             | 5.00                     | 4.28                            | 86               | 1        | 30        | 80-120 |   |
| Vinyl chloride              | 5.00                     | 4.29                            | 86               | 0        | 30        | 60-125 |   |
| Xylenes, Total              | 15.0                     | 14.0                            | 93               | 2        | 30        | 80-120 |   |

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IL03X17.D

Lab ID: 410-229793-6 MS

Client ID: HD-COD-SW-15-0/1-0 MS MS

| COMPOUND                    | SPIKE<br>ADDED<br>(ug/L) | SAMPLE<br>CONCENTRATION<br>(ug/L) | MS<br>CONCENTRATION<br>(ug/L) | MS<br>%<br>REC | QC<br>LIMITS<br>REC | # |
|-----------------------------|--------------------------|-----------------------------------|-------------------------------|----------------|---------------------|---|
| 1,1,1,2-Tetrachloroethane   | 5.00                     | ND                                | 5.23                          | 104            | 80-122              |   |
| 1,1,1-Trichloroethane       | 5.00                     | 0.40 J                            | 5.85                          | 109            | 78-126              |   |
| 1,1,2,2-Tetrachloroethane   | 5.00                     | ND                                | 4.37                          | 87             | 75-123              |   |
| 1,1,2-Trichloroethane       | 5.00                     | ND                                | 4.92                          | 98             | 80-120              |   |
| 1,1-Dichloroethane          | 5.00                     | 0.13 J                            | 5.46                          | 106            | 74-120              |   |
| 1,1-Dichloroethene          | 5.00                     | 0.23 J                            | 5.98                          | 115            | 80-131              |   |
| 1,2-Dibromoethane (EDB)     | 5.00                     | ND                                | 4.77                          | 95             | 80-120              |   |
| 1,2-Dichloroethane          | 5.00                     | ND                                | 4.59                          | 92             | 69-122              |   |
| 1,2-Dichloropropane         | 5.00                     | ND                                | 5.06                          | 101            | 80-120              |   |
| 2-Butanone (MEK)            | 62.6                     | ND                                | 59.5                          | 95             | 59-141              |   |
| 2-Hexanone                  | 62.6                     | ND                                | 65.1                          | 104            | 52-140              |   |
| 4-Methyl-2-pentanone (MIBK) | 62.6                     | ND                                | 63.6                          | 102            | 55-140              |   |
| Acetone                     | 62.6                     | ND                                | 55.5                          | 89             | 60-146              |   |
| Benzene                     | 5.00                     | ND                                | 5.17                          | 103            | 80-120              |   |
| Bromochloromethane          | 5.00                     | ND                                | 5.05                          | 101            | 80-133              |   |
| Bromodichloromethane        | 5.00                     | ND                                | 4.87                          | 97             | 80-123              |   |
| Bromoform                   | 5.00                     | ND                                | 4.71                          | 94             | 75-126              |   |
| Bromomethane                | 5.00                     | ND                                | 4.75                          | 95             | 63-120              |   |
| Carbon disulfide            | 5.00                     | ND                                | 5.03                          | 100            | 67-130              |   |
| Carbon tetrachloride        | 5.00                     | ND                                | 5.70                          | 114            | 64-141              |   |
| Chlorobenzene               | 5.00                     | ND                                | 5.17                          | 103            | 80-120              |   |
| Chloroethane                | 5.00                     | ND                                | 4.72                          | 94             | 63-120              |   |
| Chloroform                  | 5.00                     | 0.24 J                            | 5.41                          | 103            | 80-120              |   |
| Chloromethane               | 5.00                     | ND                                | 4.40                          | 88             | 80-120              |   |
| cis-1,2-Dichloroethene      | 5.00                     | 1.4                               | 6.94                          | 112            | 80-122              |   |
| cis-1,3-Dichloropropene     | 5.00                     | ND                                | 4.37                          | 87             | 67-121              |   |
| Dibromochloromethane        | 5.00                     | ND                                | 4.86                          | 97             | 80-123              |   |
| Ethylbenzene                | 5.00                     | ND                                | 5.22                          | 104            | 80-120              |   |
| Methyl tert-butyl ether     | 5.00                     | ND                                | 4.47                          | 89             | 69-120              |   |
| Methylene Chloride          | 5.00                     | ND                                | 5.26                          | 105            | 80-120              |   |
| Styrene                     | 5.00                     | ND                                | 5.63                          | 113            | 80-120              |   |
| Tetrachloroethene           | 5.00                     | 5.8                               | 10.7                          | 98             | 80-120              |   |
| Toluene                     | 5.00                     | ND                                | 5.39                          | 108            | 80-120              |   |
| trans-1,2-Dichloroethene    | 5.00                     | ND                                | 5.56                          | 111            | 80-122              |   |
| trans-1,3-Dichloropropene   | 5.00                     | ND                                | 4.66                          | 93             | 61-129              |   |
| Trichloroethene             | 5.00                     | 1.6                               | 6.56                          | 99             | 80-120              |   |
| Vinyl chloride              | 5.00                     | ND                                | 5.21                          | 104            | 60-125              |   |
| Xylenes, Total              | 15.0                     | ND                                | 16.2                          | 108            | 80-120              |   |

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Matrix: Water Level: Low

Lab File ID: IL03X18.D

Lab ID: 410-229793-6 MSD

Client ID: HD-COD-SW-15-0/1-0 MSD MSD

| COMPOUND                    | SPIKE<br>ADDED<br>(ug/L) | MSD<br>CONCENTRATION<br>(ug/L) | MSD<br>%<br>REC | %<br>RPD | QC LIMITS |        | #  |
|-----------------------------|--------------------------|--------------------------------|-----------------|----------|-----------|--------|----|
|                             |                          |                                |                 |          | RPD       | REC    |    |
| 1,1,1,2-Tetrachloroethane   | 5.00                     | 4.32                           | 86              | 19       | 30        | 80-122 |    |
| 1,1,1-Trichloroethane       | 5.00                     | 4.78                           | 87              | 20       | 30        | 78-126 |    |
| 1,1,2,2-Tetrachloroethane   | 5.00                     | 3.69                           | 74              | 17       | 30        | 75-123 | FL |
| 1,1,2-Trichloroethane       | 5.00                     | 4.06                           | 81              | 19       | 30        | 80-120 |    |
| 1,1-Dichloroethane          | 5.00                     | 4.53                           | 88              | 19       | 30        | 74-120 |    |
| 1,1-Dichloroethene          | 5.00                     | 4.88                           | 93              | 20       | 30        | 80-131 |    |
| 1,2-Dibromoethane (EDB)     | 5.00                     | 4.02                           | 80              | 17       | 30        | 80-120 |    |
| 1,2-Dichloroethane          | 5.00                     | 4.06                           | 81              | 12       | 30        | 69-122 |    |
| 1,2-Dichloropropane         | 5.00                     | 4.18                           | 84              | 19       | 30        | 80-120 |    |
| 2-Butanone (MEK)            | 62.6                     | 41.7                           | 67              | 35       | 30        | 59-141 | F2 |
| 2-Hexanone                  | 62.6                     | 46.0                           | 73              | 34       | 30        | 52-140 | F2 |
| 4-Methyl-2-pentanone (MIBK) | 62.6                     | 45.6                           | 73              | 33       | 30        | 55-140 | F2 |
| Acetone                     | 62.6                     | 40.0                           | 64              | 32       | 30        | 60-146 | F2 |
| Benzene                     | 5.00                     | 4.24                           | 85              | 20       | 30        | 80-120 |    |
| Bromochloromethane          | 5.00                     | 4.17                           | 83              | 19       | 30        | 80-133 |    |
| Bromodichloromethane        | 5.00                     | 4.05                           | 81              | 18       | 30        | 80-123 |    |
| Bromoform                   | 5.00                     | 3.85                           | 77              | 20       | 30        | 75-126 |    |
| Bromomethane                | 5.00                     | 4.17                           | 83              | 13       | 30        | 63-120 |    |
| Carbon disulfide            | 5.00                     | 4.07                           | 81              | 21       | 30        | 67-130 |    |
| Carbon tetrachloride        | 5.00                     | 4.63                           | 92              | 21       | 30        | 64-141 |    |
| Chlorobenzene               | 5.00                     | 4.25                           | 85              | 20       | 30        | 80-120 |    |
| Chloroethane                | 5.00                     | 4.25                           | 85              | 10       | 30        | 63-120 |    |
| Chloroform                  | 5.00                     | 4.41                           | 83              | 21       | 30        | 80-120 |    |
| Chloromethane               | 5.00                     | 3.68                           | 74              | 18       | 30        | 80-120 | FL |
| cis-1,2-Dichloroethene      | 5.00                     | 5.61                           | 85              | 21       | 30        | 80-122 |    |
| cis-1,3-Dichloropropene     | 5.00                     | 3.72                           | 74              | 16       | 30        | 67-121 |    |
| Dibromochloromethane        | 5.00                     | 3.96                           | 79              | 20       | 30        | 80-123 | FL |
| Ethylbenzene                | 5.00                     | 4.26                           | 85              | 20       | 30        | 80-120 |    |
| Methyl tert-butyl ether     | 5.00                     | 3.85                           | 77              | 15       | 30        | 69-120 |    |
| Methylene Chloride          | 5.00                     | 4.37                           | 87              | 18       | 30        | 80-120 |    |
| Styrene                     | 5.00                     | 4.56                           | 91              | 21       | 30        | 80-120 |    |
| Tetrachloroethene           | 5.00                     | 8.88                           | 62              | 18       | 30        | 80-120 | FL |
| Toluene                     | 5.00                     | 4.38                           | 88              | 21       | 30        | 80-120 |    |
| trans-1,2-Dichloroethene    | 5.00                     | 4.48                           | 90              | 22       | 30        | 80-122 |    |
| trans-1,3-Dichloropropene   | 5.00                     | 3.98                           | 79              | 16       | 30        | 61-129 |    |
| Trichloroethene             | 5.00                     | 5.48                           | 77              | 18       | 30        | 80-120 | FL |
| Vinyl chloride              | 5.00                     | 4.71                           | 94              | 10       | 30        | 60-125 |    |
| Xylenes, Total              | 15.0                     | 13.2                           | 88              | 20       | 30        | 80-120 |    |

# Column to be used to flag recovery and RPD values

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Lab File ID: IL03X06.D Lab Sample ID: MB 410-666534/7

Matrix: Water Heated Purge: (Y/N) N

Instrument ID: 19930 Date Analyzed: 07/03/2025 10:40

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

| CLIENT SAMPLE ID           | LAB SAMPLE ID     | LAB<br>FILE ID | DATE ANALYZED    |
|----------------------------|-------------------|----------------|------------------|
|                            | LCS 410-666534/4  | IL03X03.D      | 07/03/2025 09:39 |
|                            | LCSD 410-666534/5 | IL03X04.D      | 07/03/2025 09:59 |
| HD-QC1-0/1-2               | 410-229793-14     | IL03X07.D      | 07/03/2025 11:07 |
| HD-COD-SW-6-0/1-0          | 410-229793-1      | IL03X10.D      | 07/03/2025 12:08 |
| HD-COD-SW-7-0/1-0          | 410-229793-2      | IL03X11.D      | 07/03/2025 12:29 |
| HD-COD-SW-8-0/1-0          | 410-229793-3      | IL03X12.D      | 07/03/2025 12:49 |
| HD-COD-SW-9-0/1-0          | 410-229793-4      | IL03X13.D      | 07/03/2025 13:09 |
| HD-COD-SW-13-0/1-0         | 410-229793-5      | IL03X14.D      | 07/03/2025 13:30 |
| HD-COD-SW-15-0/1-0         | 410-229793-6      | IL03X15.D      | 07/03/2025 13:50 |
| HD-COD-SW-15-0/1-0 MS MS   | 410-229793-6 MS   | IL03X17.D      | 07/03/2025 14:31 |
| HD-COD-SW-15-0/1-0 MSD MSD | 410-229793-6 MSD  | IL03X18.D      | 07/03/2025 14:51 |
| HD-COD-SW-16-0/1-0         | 410-229793-7      | IL03X19.D      | 07/03/2025 15:11 |
| HD-COD-SW-26-0/1-0         | 410-229793-9      | IL03X20.D      | 07/03/2025 15:32 |
| HD-COD-SW-27-0/1-0         | 410-229793-10     | IL03X21.D      | 07/03/2025 15:52 |
| HD-COD-SW-28-0/1-0         | 410-229793-11     | IL03X22.D      | 07/03/2025 16:12 |
| HD-COD-SW-29-0/1-0         | 410-229793-12     | IL03X23.D      | 07/03/2025 16:33 |
| HD-COD-SW-17-0/1-0         | 410-229793-8      | IL03X24.D      | 07/03/2025 16:53 |
| HD-COD-SW-17-0/1-0 DL      | 410-229793-8 DL   | IL03X25.D      | 07/03/2025 17:13 |
| HD-QC1-0/1-1               | 410-229793-13     | IL03X26.D      | 07/03/2025 17:34 |
| HD-QC1-0/1-1 DL            | 410-229793-13 DL  | IL03X27.D      | 07/03/2025 17:54 |

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Lab File ID: IM17T01.D

BFB Injection Date: 03/17/2025

Instrument ID: 19930

BFB Injection Time: 15:00

Analysis Batch No.: 617959

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0 % of mass 95           | 19.8                 |
| 75  | 30.0 - 60.0 % of mass 95           | 50.8                 |
| 95  | Base Peak, 100% relative abundance | 100.0                |
| 96  | 5.0 - 9.0 % of mass 95             | 6.5                  |
| 173 | Less than 2.0 % of mass 174        | 0.9 (1.1) 1          |
| 174 | Greater than 50% of mass 95        | 85.1                 |
| 175 | 5.0 - 9.0 % of mass 174            | 6.5 (7.7) 1          |
| 176 | 95.0 - 101.0 % of mass 174         | 83.7 (98.4) 1        |
| 177 | 5.0 - 9.0 % of mass 176            | 5.6 (6.7) 2          |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID | LAB SAMPLE ID      | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|------------------|--------------------|-------------|---------------|---------------|
|                  | IC 410-617959/13   | IM17X12.D   | 03/17/2025    | 19:05         |
|                  | IC 410-617959/14   | IM17X13.D   | 03/17/2025    | 19:25         |
|                  | IC 410-617959/15   | IM17X14.D   | 03/17/2025    | 19:46         |
|                  | IC 410-617959/16   | IM17X15.D   | 03/17/2025    | 20:07         |
|                  | IC 410-617959/17   | IM17X16.D   | 03/17/2025    | 20:28         |
|                  | IC 410-617959/18   | IM17X17.D   | 03/17/2025    | 20:49         |
|                  | ICIS 410-617959/19 | IM17X18.D   | 03/17/2025    | 21:10         |
|                  | IC 410-617959/20   | IM17X19.D   | 03/17/2025    | 21:31         |
|                  | ICV 410-617959/22  | IM17X21.D   | 03/17/2025    | 22:13         |

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Lab File ID: IL03T02.D

BFB Injection Date: 07/03/2025

Instrument ID: 19930

BFB Injection Time: 08:45

Analysis Batch No.: 666534

| M/E | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0 % of mass 95           | 16.5                 |
| 75  | 30.0 - 60.0 % of mass 95           | 47.3                 |
| 95  | Base Peak, 100% relative abundance | 100.0                |
| 96  | 5.0 - 9.0 % of mass 95             | 6.5                  |
| 173 | Less than 2.0 % of mass 174        | 0.0 (0.0) 1          |
| 174 | Greater than 50% of mass 95        | 85.2                 |
| 175 | 5.0 - 9.0 % of mass 174            | 6.6 (7.8) 1          |
| 176 | 95.0 - 101.0 % of mass 174         | 83.1 (97.6) 1        |
| 177 | 5.0 - 9.0 % of mass 176            | 5.6 (6.7) 2          |

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

| CLIENT SAMPLE ID           | LAB SAMPLE ID      | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|----------------------------|--------------------|-------------|---------------|---------------|
|                            | CCVIS 410-666534/3 | IL03X02.D   | 07/03/2025    | 9:18          |
|                            | LCS 410-666534/4   | IL03X03.D   | 07/03/2025    | 9:39          |
|                            | LCSD 410-666534/5  | IL03X04.D   | 07/03/2025    | 9:59          |
|                            | MB 410-666534/7    | IL03X06.D   | 07/03/2025    | 10:40         |
| HD-QC1-0/1-2               | 410-229793-14      | IL03X07.D   | 07/03/2025    | 11:07         |
| HD-COD-SW-6-0/1-0          | 410-229793-1       | IL03X10.D   | 07/03/2025    | 12:08         |
| HD-COD-SW-7-0/1-0          | 410-229793-2       | IL03X11.D   | 07/03/2025    | 12:29         |
| HD-COD-SW-8-0/1-0          | 410-229793-3       | IL03X12.D   | 07/03/2025    | 12:49         |
| HD-COD-SW-9-0/1-0          | 410-229793-4       | IL03X13.D   | 07/03/2025    | 13:09         |
| HD-COD-SW-13-0/1-0         | 410-229793-5       | IL03X14.D   | 07/03/2025    | 13:30         |
| HD-COD-SW-15-0/1-0         | 410-229793-6       | IL03X15.D   | 07/03/2025    | 13:50         |
| HD-COD-SW-15-0/1-0 MS MS   | 410-229793-6 MS    | IL03X17.D   | 07/03/2025    | 14:31         |
| HD-COD-SW-15-0/1-0 MSD MSD | 410-229793-6 MSD   | IL03X18.D   | 07/03/2025    | 14:51         |
| HD-COD-SW-16-0/1-0         | 410-229793-7       | IL03X19.D   | 07/03/2025    | 15:11         |
| HD-COD-SW-26-0/1-0         | 410-229793-9       | IL03X20.D   | 07/03/2025    | 15:32         |
| HD-COD-SW-27-0/1-0         | 410-229793-10      | IL03X21.D   | 07/03/2025    | 15:52         |
| HD-COD-SW-28-0/1-0         | 410-229793-11      | IL03X22.D   | 07/03/2025    | 16:12         |
| HD-COD-SW-29-0/1-0         | 410-229793-12      | IL03X23.D   | 07/03/2025    | 16:33         |
| HD-COD-SW-17-0/1-0         | 410-229793-8       | IL03X24.D   | 07/03/2025    | 16:53         |
| HD-COD-SW-17-0/1-0 DL      | 410-229793-8 DL    | IL03X25.D   | 07/03/2025    | 17:13         |
| HD-QC1-0/1-1               | 410-229793-13      | IL03X26.D   | 07/03/2025    | 17:34         |
| HD-QC1-0/1-1 DL            | 410-229793-13 DL   | IL03X27.D   | 07/03/2025    | 17:54         |

## FORM VIII

Job No.: 410-229793-1

Sample No.: ICIS 410-617959/19

Date Analyzed: 03/17/2025 21:10

Instrument ID: 19930

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

Lab File ID (Standard): IM17X18.D

Heated Purge: (Y/N) N

Calibration ID: 70829

|                               |                  | TBAd10 |      | FB      |      | CBZd5   |       |
|-------------------------------|------------------|--------|------|---------|------|---------|-------|
|                               |                  | AREA # | RT # | AREA #  | RT # | AREA #  | RT #  |
| INITIAL CALIBRATION MID-POINT |                  | 197604 | 3.87 | 2528151 | 7.34 | 1899624 | 10.89 |
| UPPER LIMIT                   |                  | 395208 | 4.37 | 5056302 | 7.84 | 3799248 | 11.39 |
| LOWER LIMIT                   |                  | 98802  | 3.37 | 1264076 | 6.84 | 949812  | 10.39 |
| LAB SAMPLE ID                 | CLIENT SAMPLE ID |        |      |         |      |         |       |
| ICV 410-617959/22             |                  | 214127 | 3.89 | 2573554 | 7.35 | 1940455 | 10.89 |
| CCVIS 410-666534/3            |                  | 198583 | 3.83 | 2426982 | 7.32 | 1844874 | 10.90 |

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area

RT Limit =  $\pm$  0.5 minutes of internal standard RT

```
# Column used to flag values outside QC limits
```

## FORM VIII

Job No.: 410-229793-1

Sample No.: ICIS 410-617959/19

Date Analyzed: 03/17/2025 21:10

GC Column: R-624SilMS 30m

ID: 0.25 (mm)

Heated Purge: (Y/N) N

Calibration ID: 70829

|                               |                  | DCBd4   |       |   |      |   |      |
|-------------------------------|------------------|---------|-------|---|------|---|------|
|                               |                  | AREA #  | RT #  | # | RT # | # | RT # |
| INITIAL CALIBRATION MID-POINT |                  | 1112211 | 12.79 |   |      |   |      |
| UPPER LIMIT                   |                  | 2224422 | 13.29 |   |      |   |      |
| LOWER LIMIT                   |                  | 556106  | 12.29 |   |      |   |      |
| LAB SAMPLE ID                 | CLIENT SAMPLE ID |         |       |   |      |   |      |
| ICV 410-617959/22             |                  | 1127957 | 12.79 |   |      |   |      |
| CCVIS 410-666534/3            |                  | 1132969 | 12.81 |   |      |   |      |

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area  
RT Limit =  $\pm$  0.5 minutes of internal standard RT

```
# Column used to flag values outside QC limits
```



FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
 Environment Testing, LLC

SDG No.:

Sample No.: CCVIS 410-666534/3      Date Analyzed: 07/03/2025 09:18

Instrument ID: 19930      GC Column: R-624SilMS 30m      ID: 0.25 (mm)

Lab File ID (Standard): IL03X02.D      Heated Purge: (Y/N) N

Calibration ID: 70829

|                   | TBAd10                        |        | FB      |         | CBZd5   |               |
|-------------------|-------------------------------|--------|---------|---------|---------|---------------|
|                   | AREA #                        | RT #   | AREA #  | RT #    | AREA #  | RT #          |
| 12/24 HOUR STD    | 198583                        | 3.83   | 2426982 | 7.32    | 1844874 | 10.90         |
| UPPER LIMIT       | 397166                        | 4.33   | 4853964 | 7.82    | 3689748 | 11.40         |
| LOWER LIMIT       | 99292                         | 3.33   | 1213491 | 6.82    | 922437  | 10.40         |
| LAB SAMPLE ID     | CLIENT SAMPLE ID              |        |         |         |         |               |
| LCS 410-666534/4  |                               | 182731 | 3.84    | 2520244 | 7.32    | 1879658 10.90 |
| LCSD 410-666534/5 |                               | 226408 | 3.84    | 2519377 | 7.32    | 1871584 10.90 |
| MB 410-666534/7   |                               | 189383 | 3.85    | 2247749 | 7.32    | 1712220 10.90 |
| 410-229793-14     | HD-QC1-0/1-2                  | 187135 | 3.85    | 2255856 | 7.32    | 1756254 10.91 |
| 410-229793-1      | HD-COD-SW-6-0/1-0             | 153927 | 3.85    | 2089442 | 7.32    | 1585531 10.90 |
| 410-229793-2      | HD-COD-SW-7-0/1-0             | 119746 | 3.86    | 1775255 | 7.32    | 1362456 10.90 |
| 410-229793-3      | HD-COD-SW-8-0/1-0             | 150498 | 3.86    | 1951434 | 7.32    | 1546906 10.90 |
| 410-229793-4      | HD-COD-SW-9-0/1-0             | 130989 | 3.86    | 1670684 | 7.32    | 1325541 10.90 |
| 410-229793-5      | HD-COD-SW-13-0/1-0            | 142054 | 3.85    | 1946833 | 7.32    | 1533101 10.90 |
| 410-229793-6      | HD-COD-SW-15-0/1-0            | 126755 | 3.84    | 1743857 | 7.32    | 1335659 10.90 |
| 410-229793-6 MS   | HD-COD-SW-15-0/1-0<br>MS MS   | 141931 | 3.85    | 2118393 | 7.32    | 1572047 10.90 |
| 410-229793-6 MSD  | HD-COD-SW-15-0/1-0<br>MSD MSD | 198436 | 3.82    | 2432981 | 7.32    | 1807883 10.90 |
| 410-229793-7      | HD-COD-SW-16-0/1-0            | 169894 | 3.84    | 1946003 | 7.32    | 1466797 10.90 |
| 410-229793-9      | HD-COD-SW-26-0/1-0            | 176271 | 3.87    | 2183604 | 7.32    | 1697279 10.90 |
| 410-229793-10     | HD-COD-SW-27-0/1-0            | 176596 | 3.84    | 2149268 | 7.32    | 1642432 10.90 |
| 410-229793-11     | HD-COD-SW-28-0/1-0            | 159364 | 3.84    | 2036168 | 7.32    | 1552285 10.90 |
| 410-229793-12     | HD-COD-SW-29-0/1-0            | 163457 | 3.84    | 2088788 | 7.32    | 1609745 10.90 |
| 410-229793-8      | HD-COD-SW-17-0/1-0            | 168736 | 3.85    | 2131712 | 7.32    | 1702625 10.90 |
| 410-229793-8 DL   | HD-COD-SW-17-0/1-0<br>DL      | 158079 | 3.86    | 2055799 | 7.32    | 1648890 10.90 |
| 410-229793-13     | HD-QC1-0/1-1                  | 148776 | 3.85    | 2144573 | 7.32    | 1714794 10.90 |
| 410-229793-13 DL  | HD-QC1-0/1-1 DL               | 154726 | 3.86    | 2066691 | 7.32    | 1637481 10.90 |

TBAd10 = t-Butyl alcohol-d10 (IS)

FB = Fluorobenzene (IS)

CBZd5 = Chlorobenzene-d5 (IS)

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Sample No.: CCVIS 410-666534/3      Date Analyzed: 07/03/2025 09:18

Instrument ID: 19930      GC Column: R-624SilMS 30m      ID: 0.25 (mm)

Lab File ID (Standard): IL03X02.D      Heated Purge: (Y/N) N

Calibration ID: 70829

|                   |                               | DCBd4   |       |   |      |   |      |
|-------------------|-------------------------------|---------|-------|---|------|---|------|
|                   |                               | AREA #  | RT #  | # | RT # | # | RT # |
| 12/24 HOUR STD    |                               | 1132969 | 12.81 |   |      |   |      |
| UPPER LIMIT       |                               | 2265938 | 13.31 |   |      |   |      |
| LOWER LIMIT       |                               | 566485  | 12.31 |   |      |   |      |
| LAB SAMPLE ID     | CLIENT SAMPLE ID              |         |       |   |      |   |      |
| LCS 410-666534/4  |                               | 1126640 | 12.81 |   |      |   |      |
| LCSD 410-666534/5 |                               | 1144462 | 12.81 |   |      |   |      |
| MB 410-666534/7   |                               | 933288  | 12.82 |   |      |   |      |
| 410-229793-14     | HD-QC1-0/1-2                  | 949925  | 12.82 |   |      |   |      |
| 410-229793-1      | HD-COD-SW-6-0/1-0             | 886966  | 12.82 |   |      |   |      |
| 410-229793-2      | HD-COD-SW-7-0/1-0             | 750247  | 12.82 |   |      |   |      |
| 410-229793-3      | HD-COD-SW-8-0/1-0             | 839990  | 12.82 |   |      |   |      |
| 410-229793-4      | HD-COD-SW-9-0/1-0             | 711494  | 12.82 |   |      |   |      |
| 410-229793-5      | HD-COD-SW-13-0/1-0            | 846574  | 12.82 |   |      |   |      |
| 410-229793-6      | HD-COD-SW-15-0/1-0            | 727411  | 12.82 |   |      |   |      |
| 410-229793-6 MS   | HD-COD-SW-15-0/1-0<br>MS MS   | 946693  | 12.82 |   |      |   |      |
| 410-229793-6 MSD  | HD-COD-SW-15-0/1-0<br>MSD MSD | 1117798 | 12.81 |   |      |   |      |
| 410-229793-7      | HD-COD-SW-16-0/1-0            | 810959  | 12.82 |   |      |   |      |
| 410-229793-9      | HD-COD-SW-26-0/1-0            | 931837  | 12.82 |   |      |   |      |
| 410-229793-10     | HD-COD-SW-27-0/1-0            | 929642  | 12.82 |   |      |   |      |
| 410-229793-11     | HD-COD-SW-28-0/1-0            | 856681  | 12.82 |   |      |   |      |
| 410-229793-12     | HD-COD-SW-29-0/1-0            | 891661  | 12.82 |   |      |   |      |
| 410-229793-8      | HD-COD-SW-17-0/1-0            | 908876  | 12.82 |   |      |   |      |
| 410-229793-8 DL   | HD-COD-SW-17-0/1-0<br>DL      | 876218  | 12.82 |   |      |   |      |
| 410-229793-13     | HD-QC1-0/1-1                  | 931815  | 12.82 |   |      |   |      |
| 410-229793-13 DL  | HD-QC1-0/1-1 DL               | 888418  | 12.82 |   |      |   |      |

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area  
RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-6-0/1-0

Lab Sample ID: 410-229793-1

Matrix: Water

Lab File ID: IL03X10.D

Analysis Method: 8260D

Date Collected: 06/25/2025 07:12

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 12:08

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | 2.2    | J     | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | ND     |       | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | ND     |       | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | ND     |       | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-6-0/1-0      Lab Sample ID: 410-229793-1

Matrix: Water      Lab File ID: IL03X10.D

Analysis Method: 8260D      Date Collected: 06/25/2025 07:12

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 12:08

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | ND     |   | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | ND     |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 110  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 91   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 108  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X10.D  
 Lims ID: 410-229793-A-1  
 Client ID: HD-COD-SW-6-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 12:08:30 ALS Bottle#: 10 Worklist Smp#: 11  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-011  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:20:48 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:20:48

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  |           | 1.983         |               |    |          | ND             |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             |       |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             |       |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             |       |
| 16 Acetone                         | 43  | 3.300     | 3.239         | 0.061         | 79 | 22052    | 2.18           |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.849     | 3.830         | 0.019         | 23 | 153927   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.738     | 5.696         | 0.042         | 1  | 2863     | 0.0395         | Ma    |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.214     | 6.190         | 0.024         | 58 | 7470     | 0.0588         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 93 | 557302   | 10.8           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          | ND             |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.872     | 6.866         | 0.006         | 62 | 115036   | 11.0           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 99 | 2089442  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.823     | 7.799         | 0.024         | 78 | 4050     | 0.0530         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 93 | 2037377  | 9.75           |       |
| 79 Toluene                         | 92  | 9.482     | 9.463         | 0.019         | 97 | 13458    | 0.0731         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.061    | 10.043        | 0.018         | 84 | 2453     | 0.0274         |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             |       |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1585531  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             | 7     |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 93 | 699237   | 9.14           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 886966   | 10.0           |       |

**QC Flag Legend**

## Processing Flags

7 - Failed Limit of Detection

## Review Flags

M - Manually Integrated

a - User Assigned ID

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jul-2025 12:20:49

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X10.D

Injection Date: 03-Jul-2025 12:08:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-1

Lab Sample ID: 410-229793-1

Worklist Smp#: 11

Client ID: HD-COD-SW-6-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

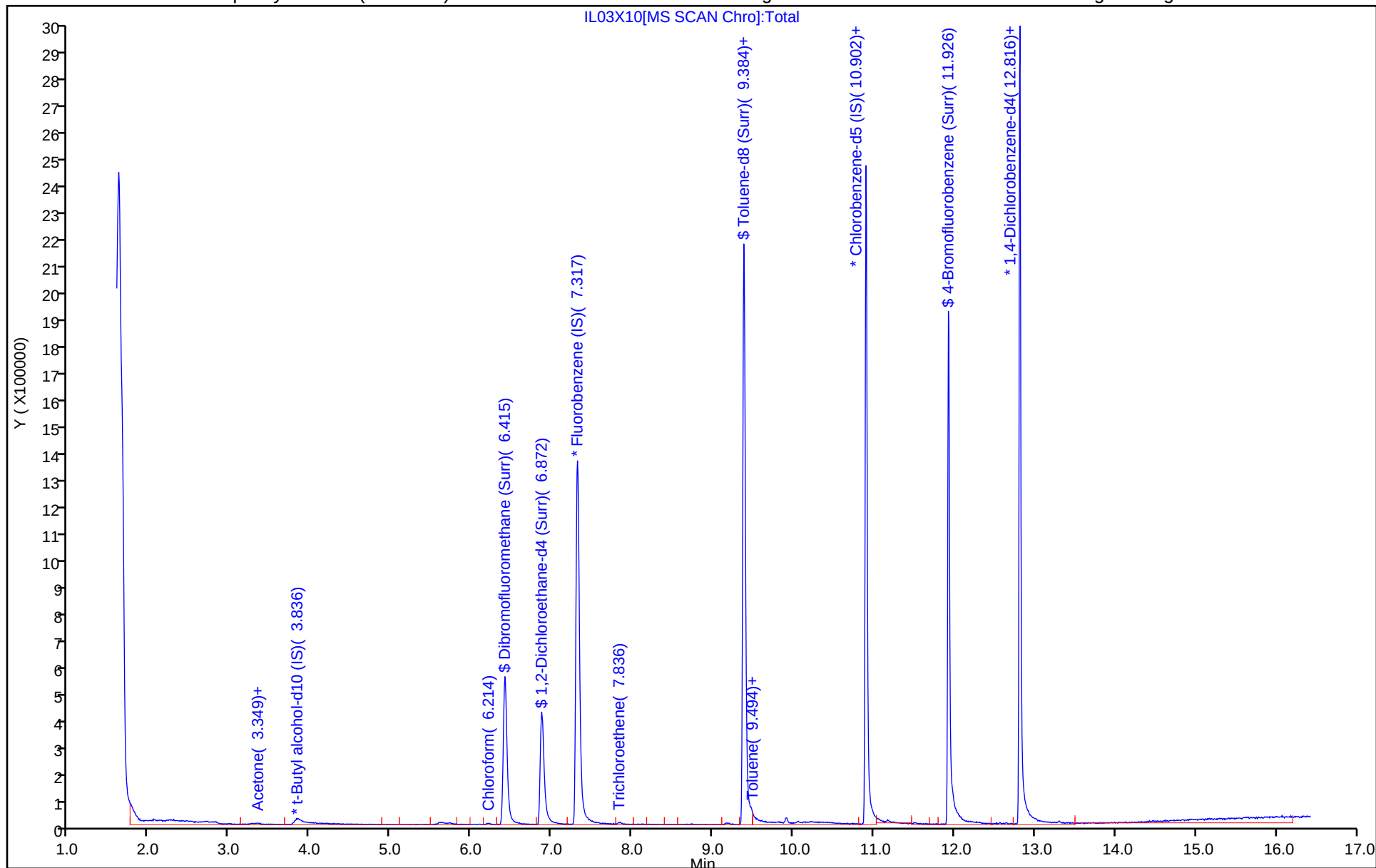
ALS Bottle#: 10

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X10.D  
Lims ID: 410-229793-A-1  
Client ID: HD-COD-SW-6-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 12:08:30 ALS Bottle#: 10 Worklist Smp#: 11  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-011  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:20:48 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:20:48

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.8             | 107.98 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.0             | 109.91 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.75             | 97.54  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.14             | 91.41  |



## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X10.D

Injection Date: 03-Jul-2025 12:08:30

Instrument ID: 19930

Lims ID: 410-229793-A-1

Lab Sample ID: 410-229793-1

Client ID: HD-COD-SW-6-0/1-0

Operator ID: ecr105096

ALS Bottle#: 10

Worklist Smp#: 11

Purge Vol: 25.000 mL

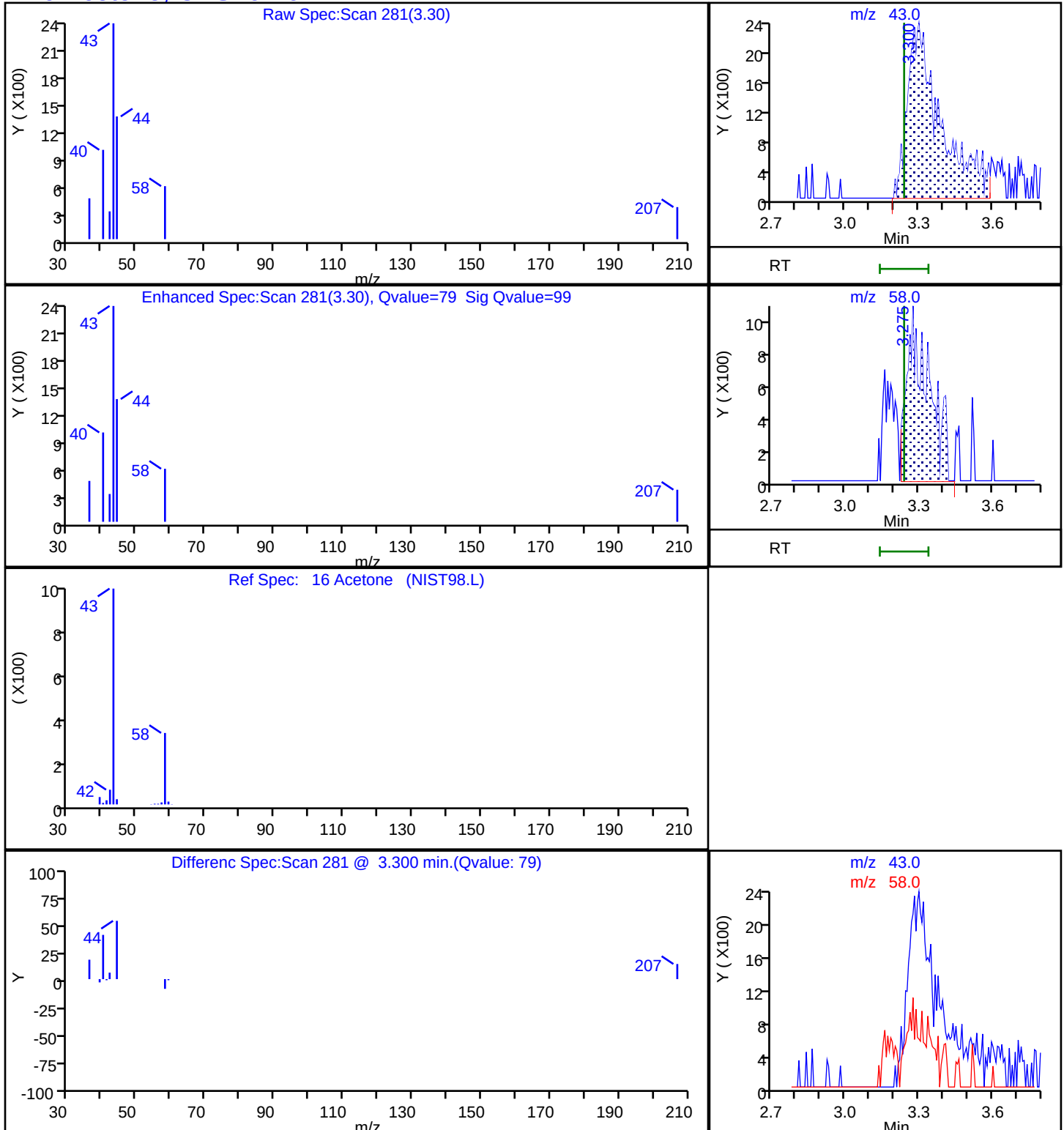
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**16 Acetone, CAS: 67-64-1**

## Eurofins Lancaster Laboratories Environment Testing, LLC

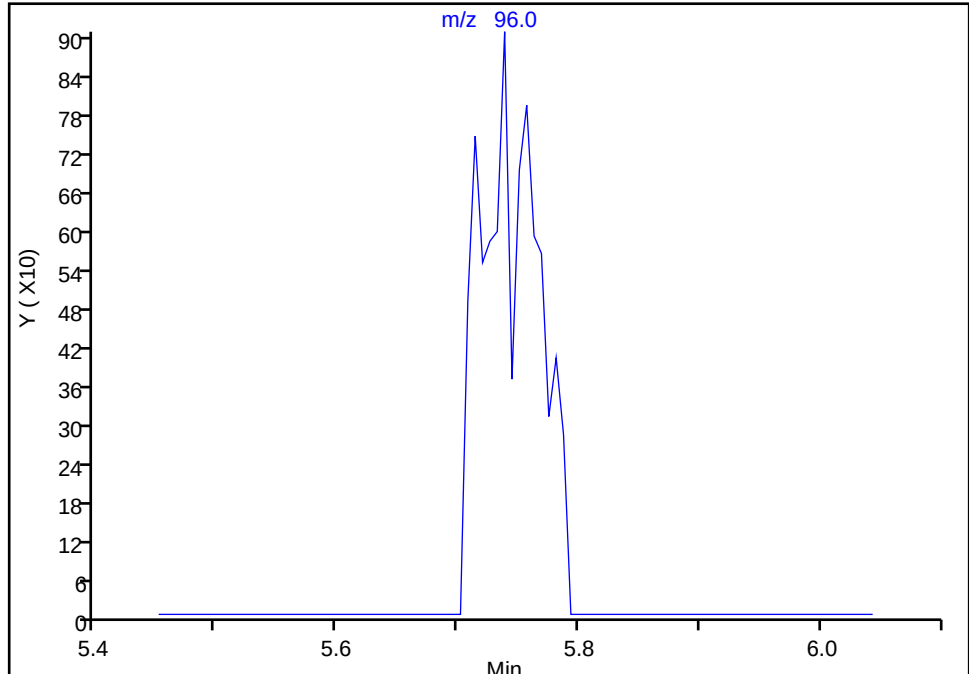
Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X10.D  
Injection Date: 03-Jul-2025 12:08:30 Instrument ID: 19930  
Lims ID: 410-229793-A-1 Lab Sample ID: 410-229793-1  
Client ID: HD-COD-SW-6-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 10 Worklist Smp#: 11  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

Signal: 1

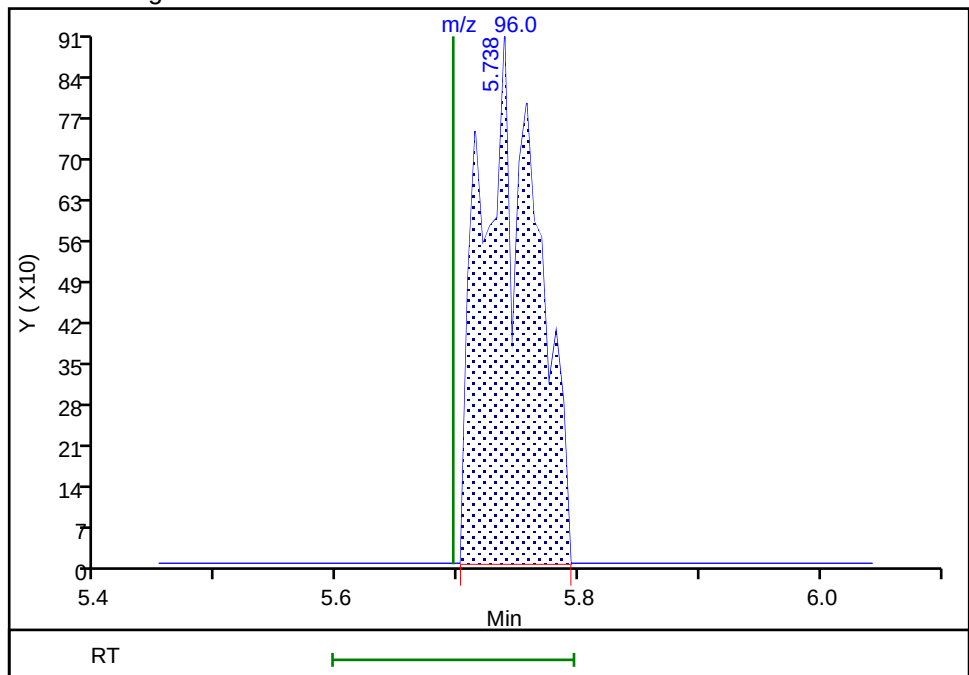
Not Detected  
Expected RT: 5.70

## Processing Integration Results



RT: 5.74  
Area: 2863  
Amount: 0.039494  
Amount Units: ug/l

## Manual Integration Results



Reviewer: N9NA, 04-Jul-2025 12:20:31 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-7-0/1-0

Lab Sample ID: 410-229793-2

Matrix: Water

Lab File ID: IL03X11.D

Analysis Method: 8260D

Date Collected: 06/25/2025 07:48

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 12:29

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | 1.5    | J     | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 0.13   | J     | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | ND     |       | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | ND     |       | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-7-0/1-0      Lab Sample ID: 410-229793-2

Matrix: Water      Lab File ID: IL03X11.D

Analysis Method: 8260D      Date Collected: 06/25/2025 07:48

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 12:29

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 0.082  | J | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 0.13   | J | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 111  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 89   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 111  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X11.D  
 Lims ID: 410-229793-A-2  
 Client ID: HD-COD-SW-7-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 12:29:30 ALS Bottle#: 11 Worklist Smp#: 12  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-012  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:21:49 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:21:49

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  | 1.989     | 1.983         | 0.006         | 13 | 3744     | 0.0420         |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             | 7     |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             | 7     |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             |       |
| 16 Acetone                         | 43  | 3.318     | 3.239         | 0.079         | 68 | 11698    | 1.49           |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.855     | 3.830         | 0.025         | 26 | 119746   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             | 7     |
| 39 cis-1,2-Dichloroethene          | 96  | 5.738     | 5.696         | 0.042         | 81 | 4690     | 0.0761         | a     |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.208     | 6.190         | 0.018         | 92 | 13780    | 0.1276         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 94 | 484941   | 11.1           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          | ND             |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.878     | 6.866         | 0.012         | 62 | 98666    | 11.1           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             | 7     |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 99 | 1775255  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.848     | 7.799         | 0.049         | 90 | 8281     | 0.1275         | M     |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 93 | 1758157  | 9.80           |       |
| 79 Toluene                         | 92  | 9.482     | 9.463         | 0.019         | 99 | 12983    | 0.0821         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.067    | 10.043        | 0.024         | 92 | 5473     | 0.0711         |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             |       |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1362456  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 93 | 585361   | 8.90           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 750247   | 10.0           |       |

### QC Flag Legend

#### Processing Flags

7 - Failed Limit of Detection

#### Review Flags

M - Manually Integrated

a - User Assigned ID

### Reagents:

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jul-2025 12:21:50

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X11.D

Injection Date: 03-Jul-2025 12:29:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-2

Lab Sample ID: 410-229793-2

Worklist Smp#: 12

Client ID: HD-COD-SW-7-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

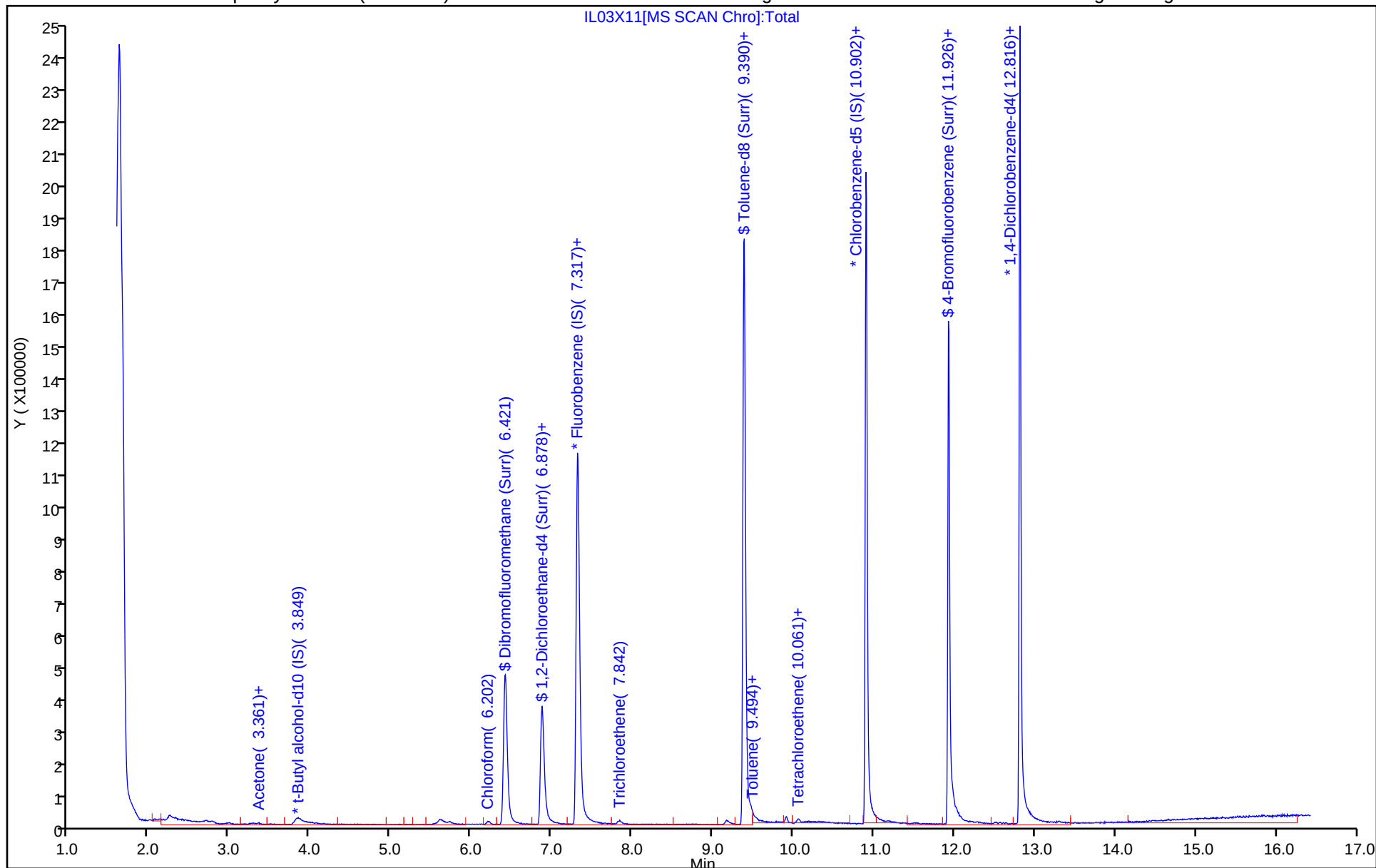
ALS Bottle#: 11

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X11.D  
Lims ID: 410-229793-A-2  
Client ID: HD-COD-SW-7-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 12:29:30 ALS Bottle#: 11 Worklist Smp#: 12  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-012  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:21:49 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:21:49

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.1             | 110.59 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.1             | 110.96 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.80             | 97.95  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 8.90             | 89.05  |



## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X11.D

Injection Date: 03-Jul-2025 12:29:30

Instrument ID: 19930

Lims ID: 410-229793-A-2

Lab Sample ID: 410-229793-2

Client ID: HD-COD-SW-7-0/1-0

Operator ID: ecr105096

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

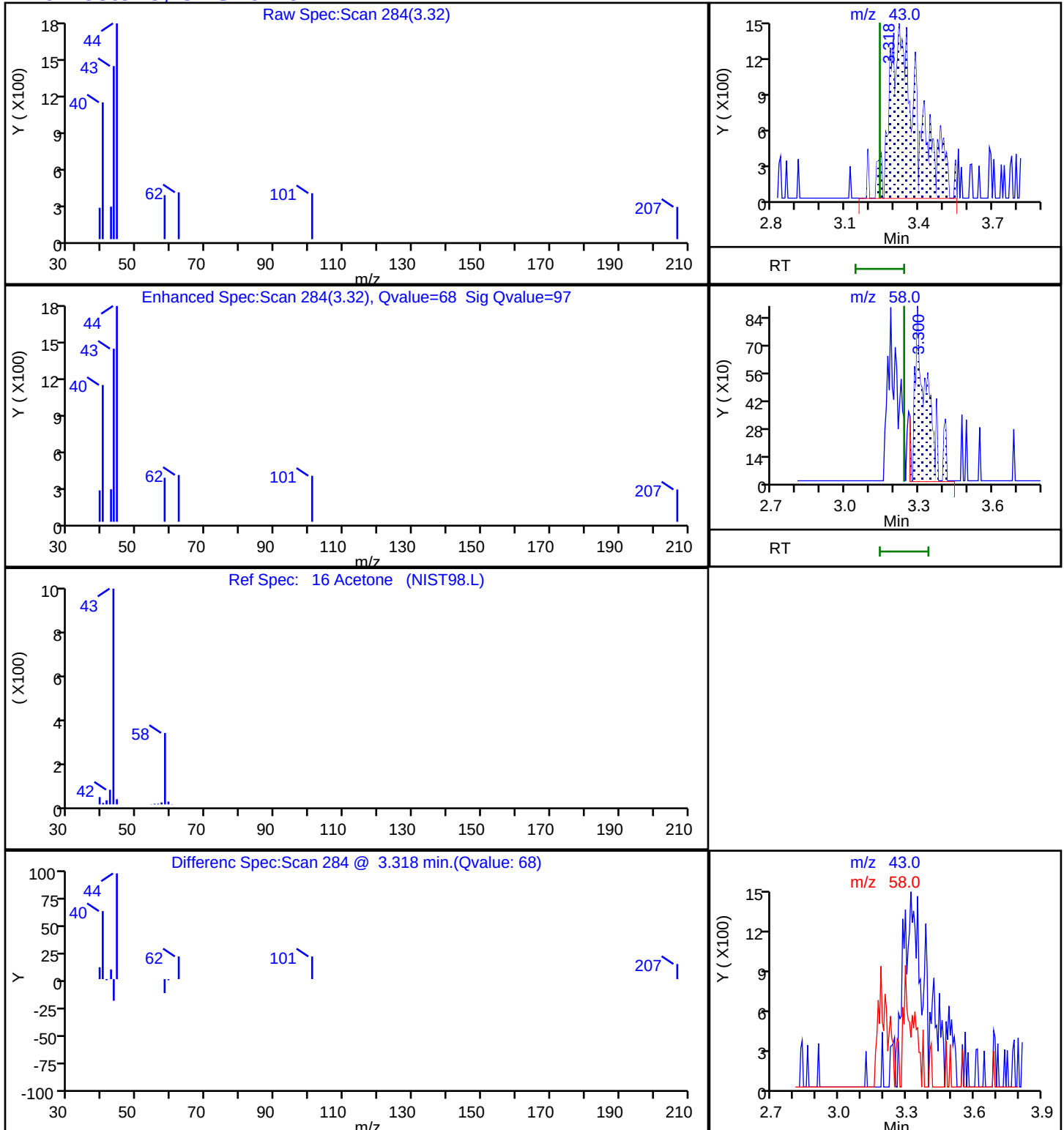
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**16 Acetone, CAS: 67-64-1**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X11.D

Injection Date: 03-Jul-2025 12:29:30

Instrument ID: 19930

Lims ID: 410-229793-A-2

Lab Sample ID: 410-229793-2

Client ID: HD-COD-SW-7-0/1-0

Operator ID: ecr105096

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

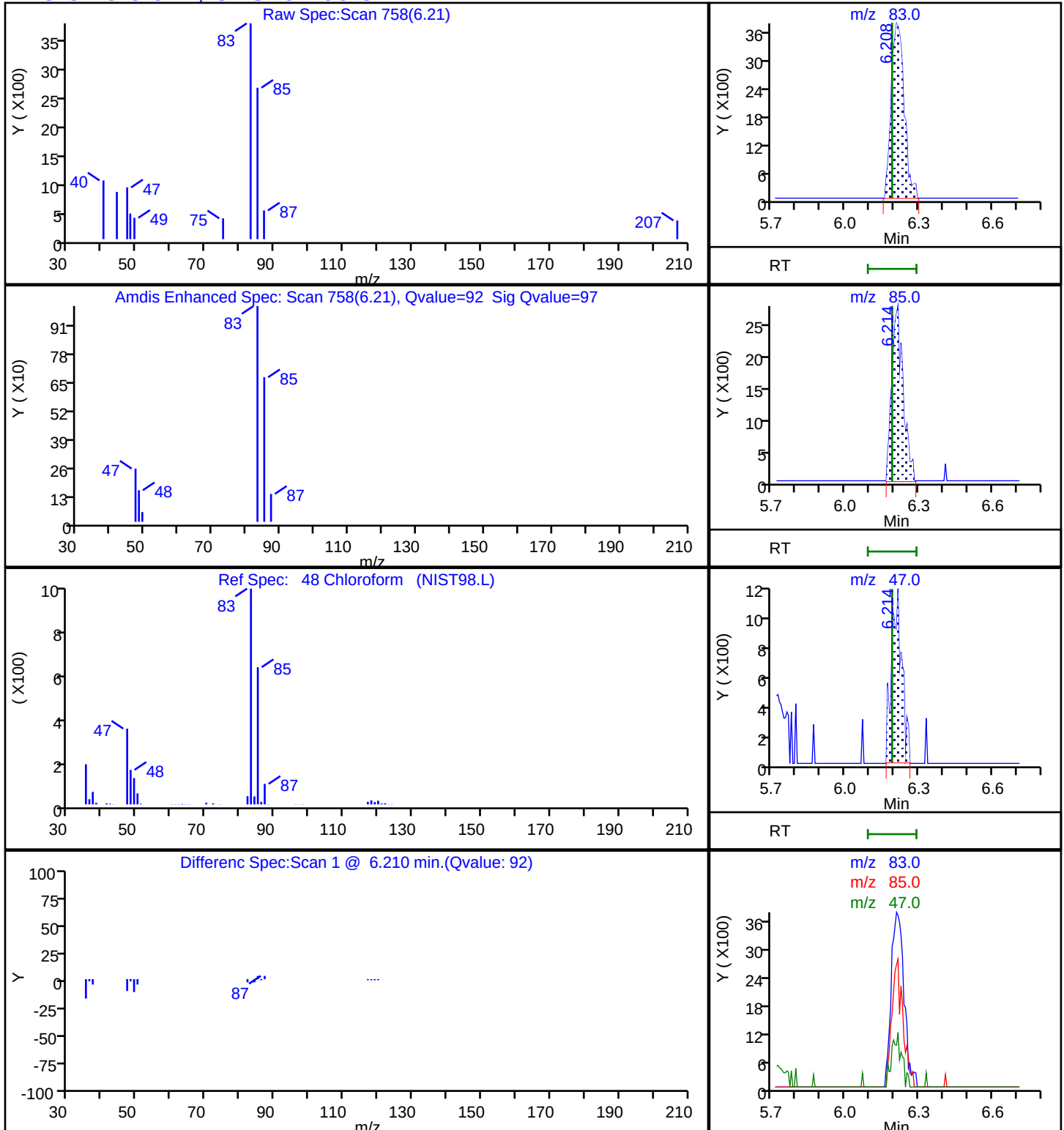
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**48 Chloroform, CAS: 67-66-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X11.D

Injection Date: 03-Jul-2025 12:29:30

Instrument ID: 19930

Lims ID: 410-229793-A-2

Lab Sample ID: 410-229793-2

Client ID: HD-COD-SW-7-0/1-0

Operator ID: ecr105096

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

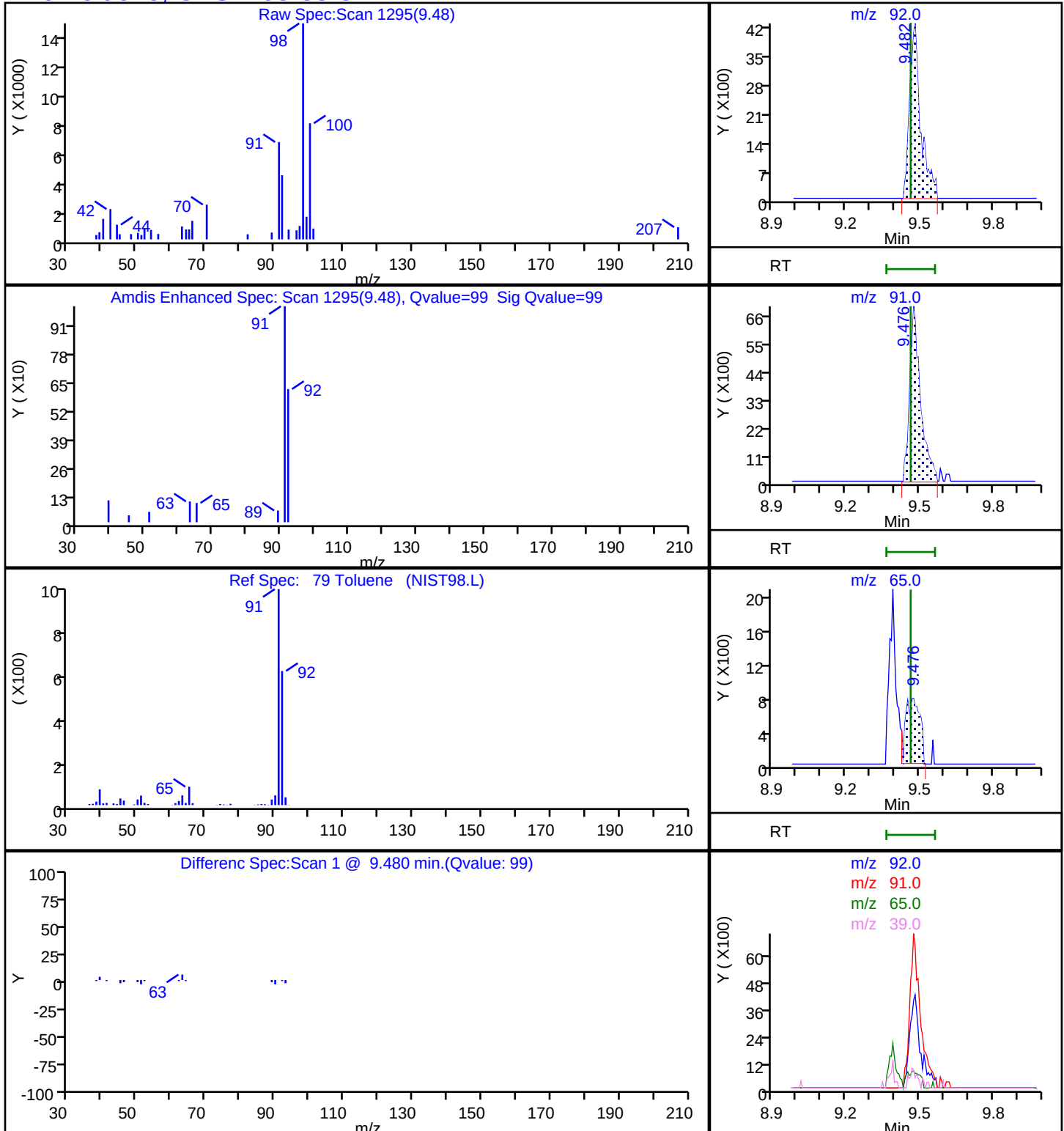
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**79 Toluene, CAS: 108-88-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X11.D

Injection Date: 03-Jul-2025 12:29:30

Instrument ID: 19930

Lims ID: 410-229793-A-2

Lab Sample ID: 410-229793-2

Client ID: HD-COD-SW-7-0/1-0

Operator ID: ecr105096

ALS Bottle#: 11

Worklist Smp#: 12

Purge Vol: 25.000 mL

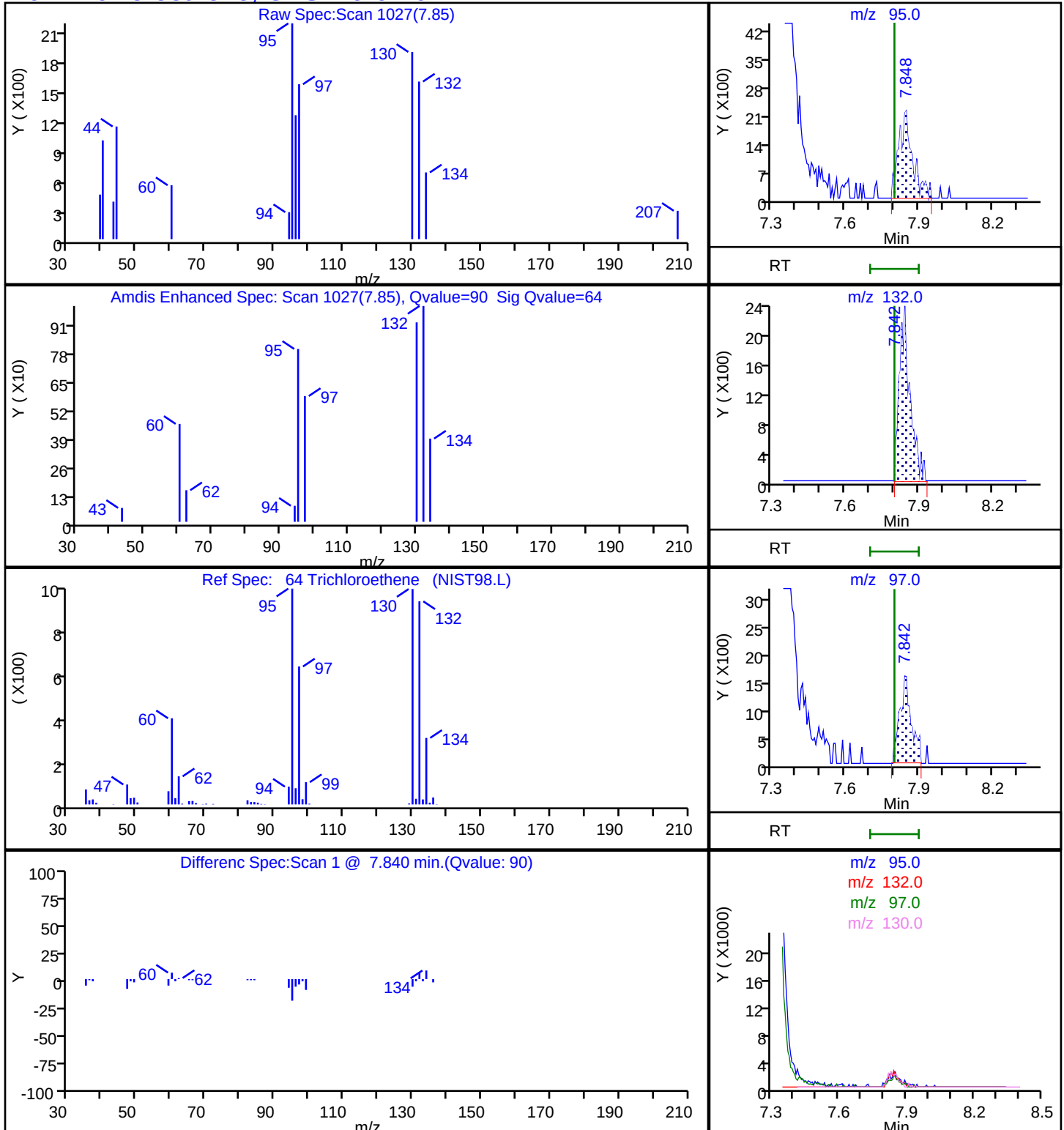
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) for

MS Quad

**64 Trichloroethene, CAS: 79-01-6**

## Eurofins Lancaster Laboratories Environment Testing, LLC

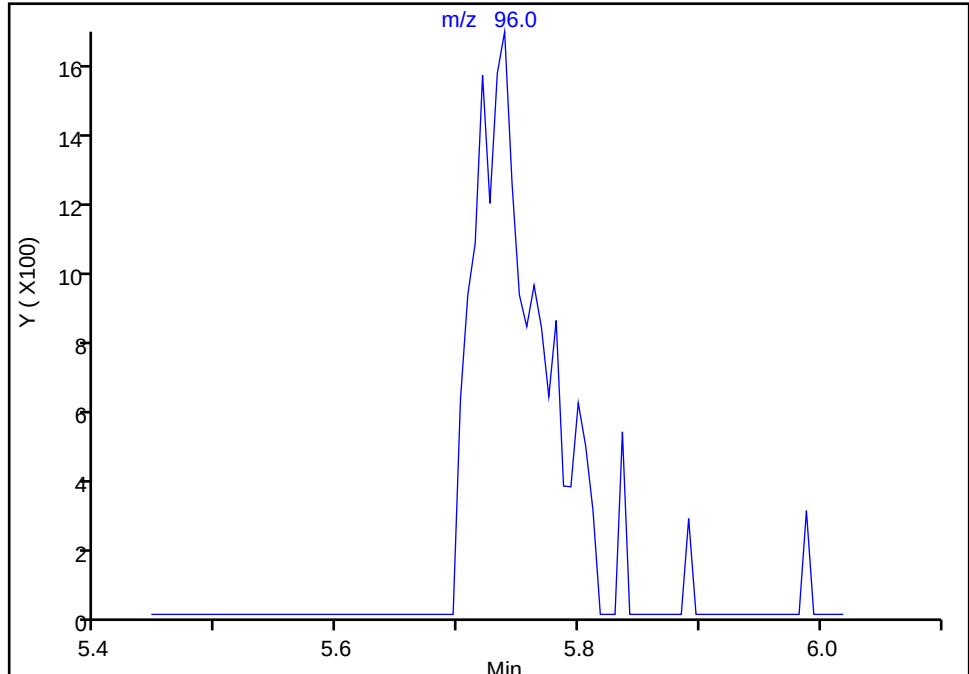
Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X11.D  
Injection Date: 03-Jul-2025 12:29:30 Instrument ID: 19930  
Lims ID: 410-229793-A-2 Lab Sample ID: 410-229793-2  
Client ID: HD-COD-SW-7-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 11 Worklist Smp#: 12  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

Signal: 1

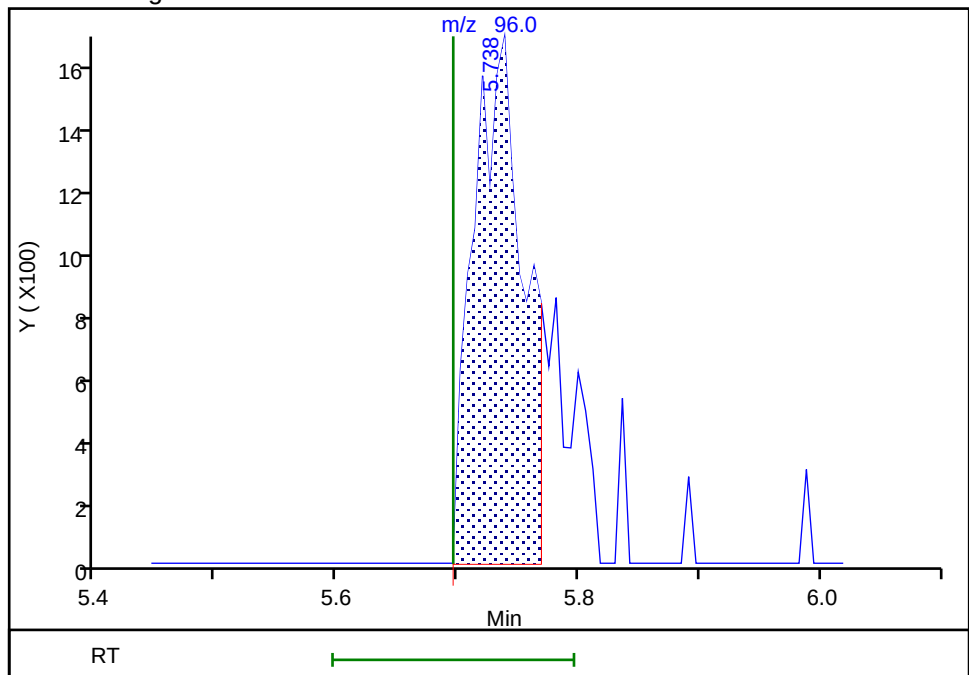
Not Detected  
Expected RT: 5.70

## Processing Integration Results



RT: 5.74  
Area: 4690  
Amount: 0.076148  
Amount Units: ug/l

## Manual Integration Results



Reviewer: N9NA, 04-Jul-2025 12:21:17 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

## Eurofins Lancaster Laboratories Environment Testing, LLC

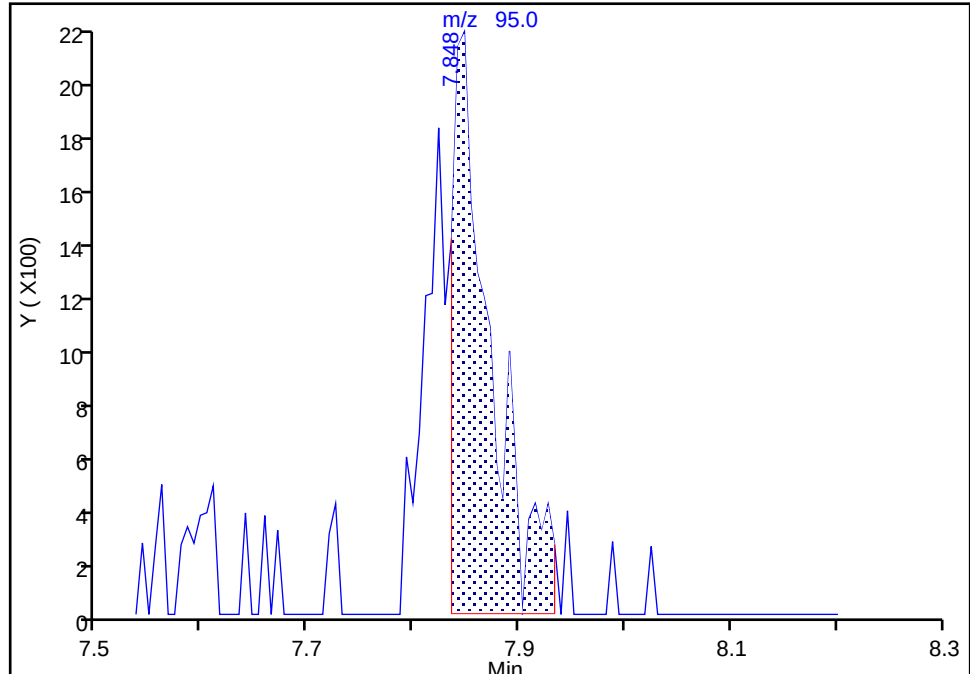
Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X11.D  
Injection Date: 03-Jul-2025 12:29:30 Instrument ID: 19930  
Lims ID: 410-229793-A-2 Lab Sample ID: 410-229793-2  
Client ID: HD-COD-SW-7-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 11 Worklist Smp#: 12  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**64 Trichloroethene, CAS: 79-01-6**

Signal: 1

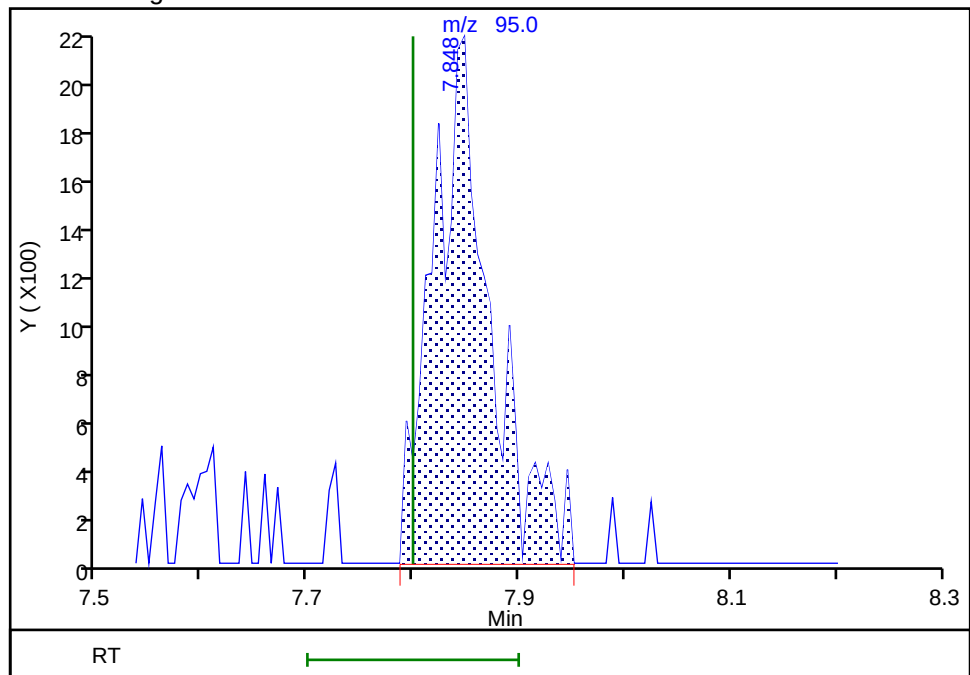
RT: 7.85  
Area: 5541  
Amount: 0.085332  
Amount Units: ug/l

## Processing Integration Results



RT: 7.85  
Area: 8281  
Amount: 0.127528  
Amount Units: ug/l

## Manual Integration Results



Reviewer: N9NA, 04-Jul-2025 12:21:35 07:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-8-0/1-0

Lab Sample ID: 410-229793-3

Matrix: Water

Lab File ID: IL03X12.D

Analysis Method: 8260D

Date Collected: 06/25/2025 06:15

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 12:49

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     |       | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | ND     |       | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 0.12   | J     | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | 0.59   |       | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-8-0/1-0      Lab Sample ID: 410-229793-3

Matrix: Water      Lab File ID: IL03X12.D

Analysis Method: 8260D      Date Collected: 06/25/2025 06:15

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 12:49

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 0.11   | J | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 0.11   | J | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 113  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 90   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 113  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 80-120 |



Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X12.D  
 Lims ID: 410-229793-A-3  
 Client ID: HD-COD-SW-8-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 12:49:30 ALS Bottle#: 12 Worklist Smp#: 13  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-013  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:22:28

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  |           | 1.983         |               |    |          | ND             | 7     |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             | 7     |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             |       |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             |       |
| 16 Acetone                         | 43  | 3.318     | 3.239         | 0.079         | 52 | 12868    | 1.30           |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.855     | 3.830         | 0.025         | 22 | 150498   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.738     | 5.696         | 0.042         | 75 | 8112     | 0.1198         |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.202     | 6.190         | 0.012         | 89 | 9071     | 0.0764         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 93 | 544369   | 11.3           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          | ND             | U     |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.885     | 6.866         | 0.019         | 62 | 110732   | 11.3           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.323     | 7.317         | 0.006         | 99 | 1951434  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.842     | 7.799         | 0.043         | 90 | 8079     | 0.1132         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 94 | 2007231  | 9.85           |       |
| 79 Toluene                         | 92  | 9.469     | 9.463         | 0.006         | 98 | 19886    | 0.1108         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.055    | 10.043        | 0.012         | 97 | 51883    | 0.5935         |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             |       |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1546906  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             | 7     |
| 113 m-Xylene & p-Xylene            | 106 | 11.176    | 11.140        | 0.036         | 93 | 9470     | 0.0693         |       |
| S 110 Xylenes, Total               | 106 |           |               |               | 0  |          | 0.1047         |       |
| 114 o-Xylene                       | 106 | 11.493    | 11.469        | 0.024         | 92 | 4622     | 0.0354         |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 93 | 669280   | 8.97           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 839990   | 10.0           |       |

**QC Flag Legend**

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jul-2025 12:22:29

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X12.D

Injection Date: 03-Jul-2025 12:49:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-3

Lab Sample ID: 410-229793-3

Worklist Smp#: 13

Client ID: HD-COD-SW-8-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

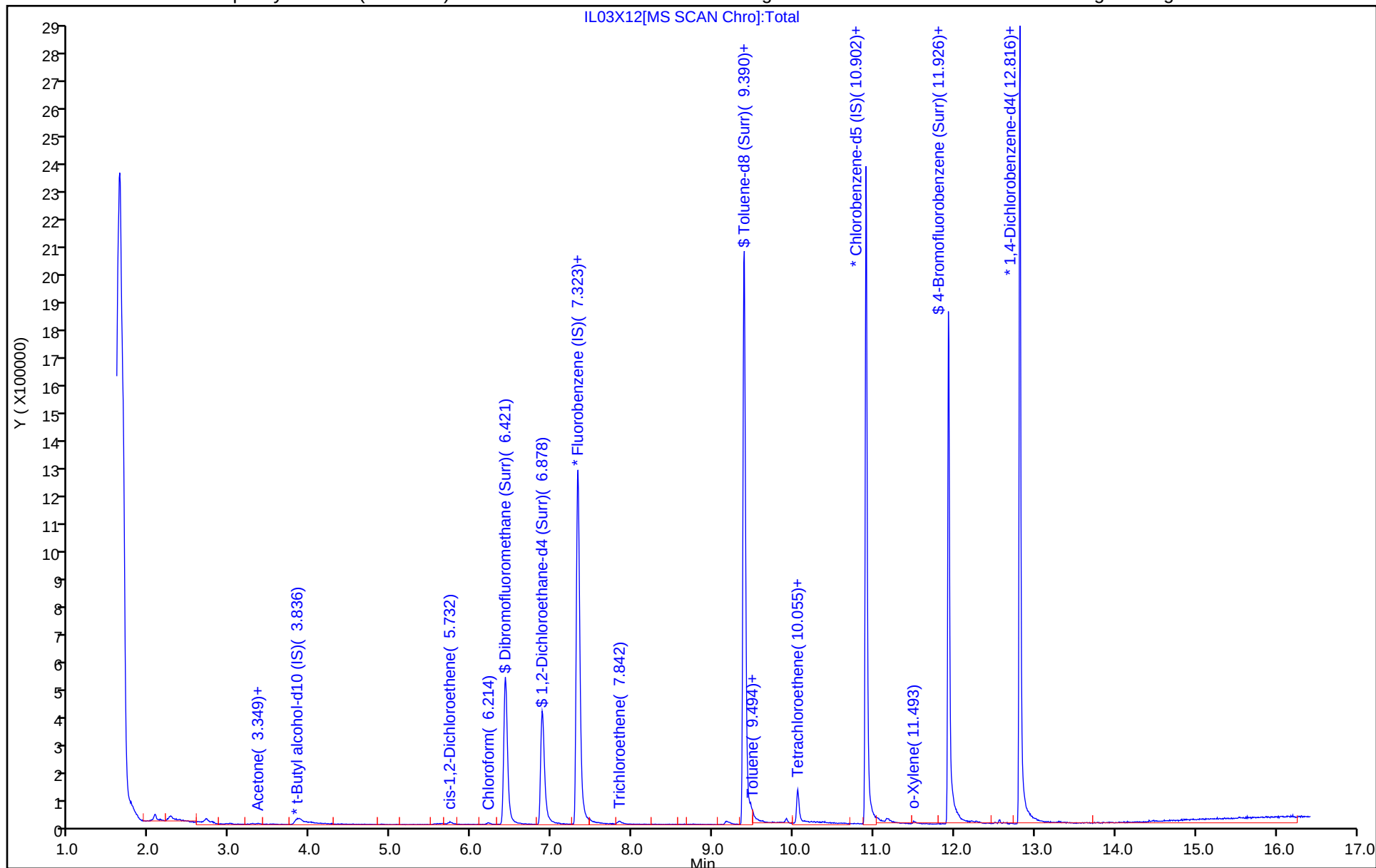
ALS Bottle#: 12

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X12.D  
Lims ID: 410-229793-A-3  
Client ID: HD-COD-SW-8-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 12:49:30 ALS Bottle#: 12 Worklist Smp#: 13  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-013  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:22:28

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.3             | 112.93 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.3             | 113.28 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.85             | 98.49  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 8.97             | 89.67  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X12.D

Injection Date: 03-Jul-2025 12:49:30

Instrument ID: 19930

Lims ID: 410-229793-A-3

Lab Sample ID: 410-229793-3

Client ID: HD-COD-SW-8-0/1-0

Operator ID: ecr105096

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

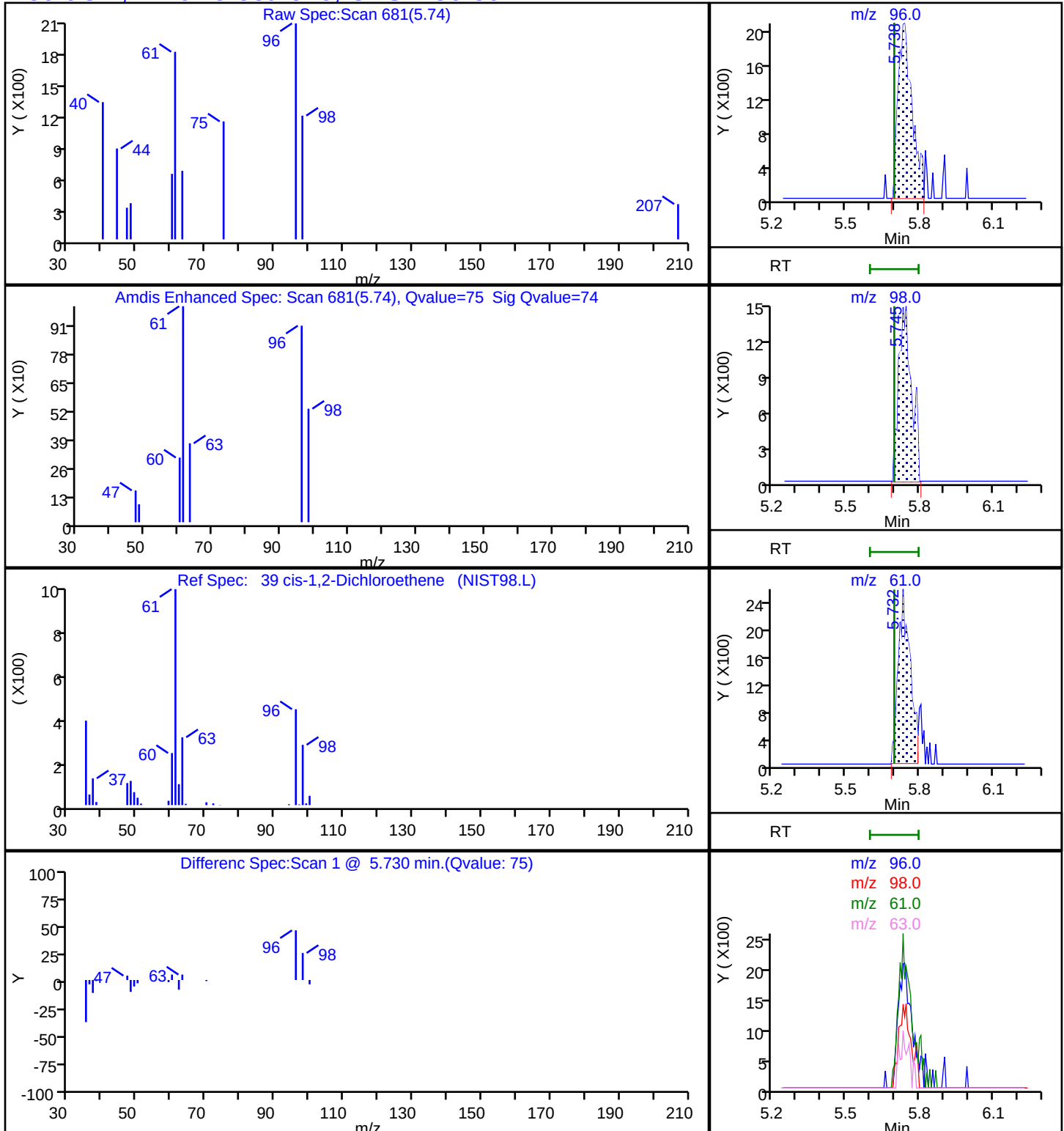
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X12.D

Injection Date: 03-Jul-2025 12:49:30

Instrument ID: 19930

Lims ID: 410-229793-A-3

Lab Sample ID: 410-229793-3

Client ID: HD-COD-SW-8-0/1-0

Operator ID: ecr105096

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

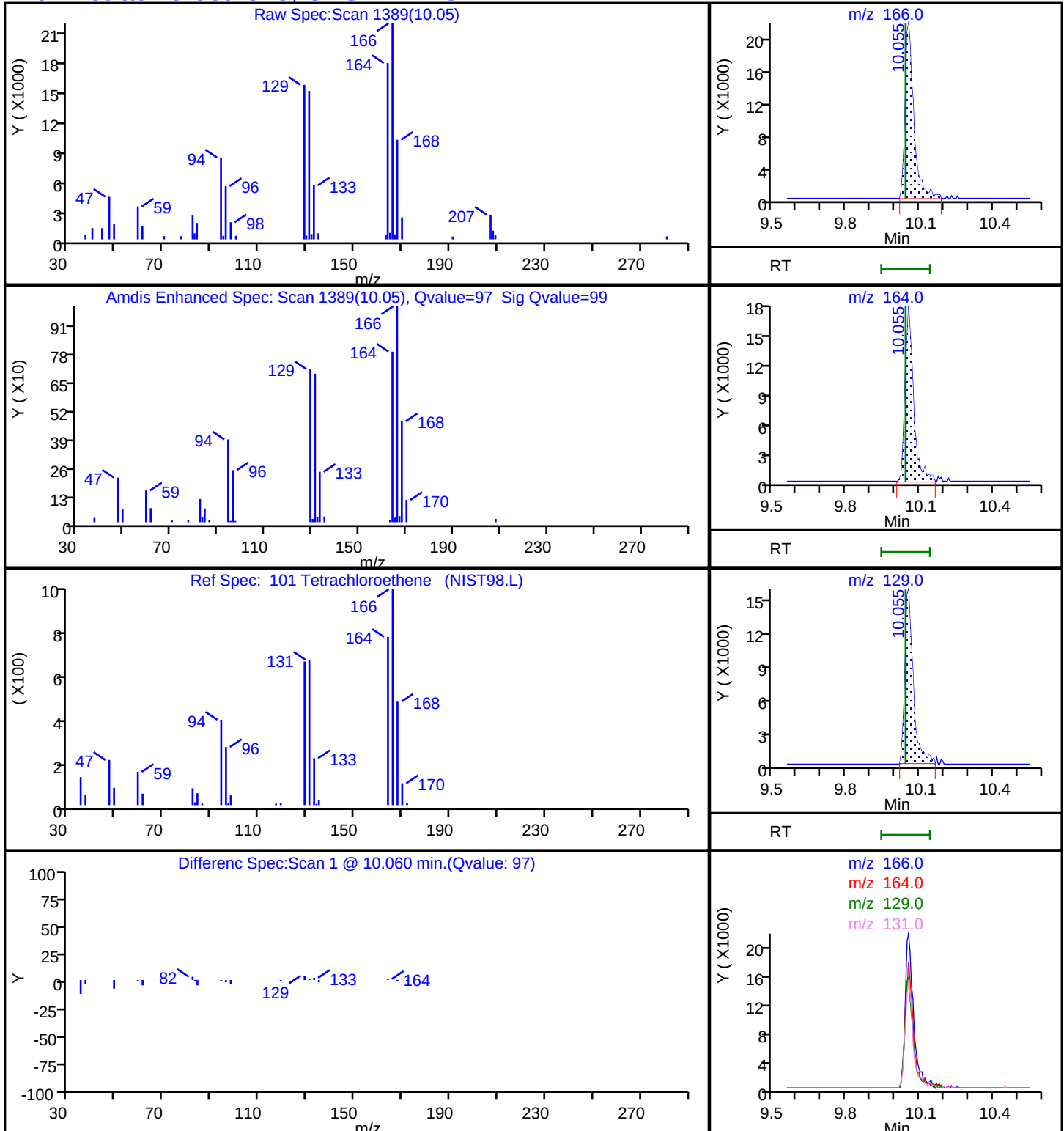
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X12.D

Injection Date: 03-Jul-2025 12:49:30

Instrument ID: 19930

Lims ID: 410-229793-A-3

Lab Sample ID: 410-229793-3

Client ID: HD-COD-SW-8-0/1-0

Operator ID: ecr105096

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

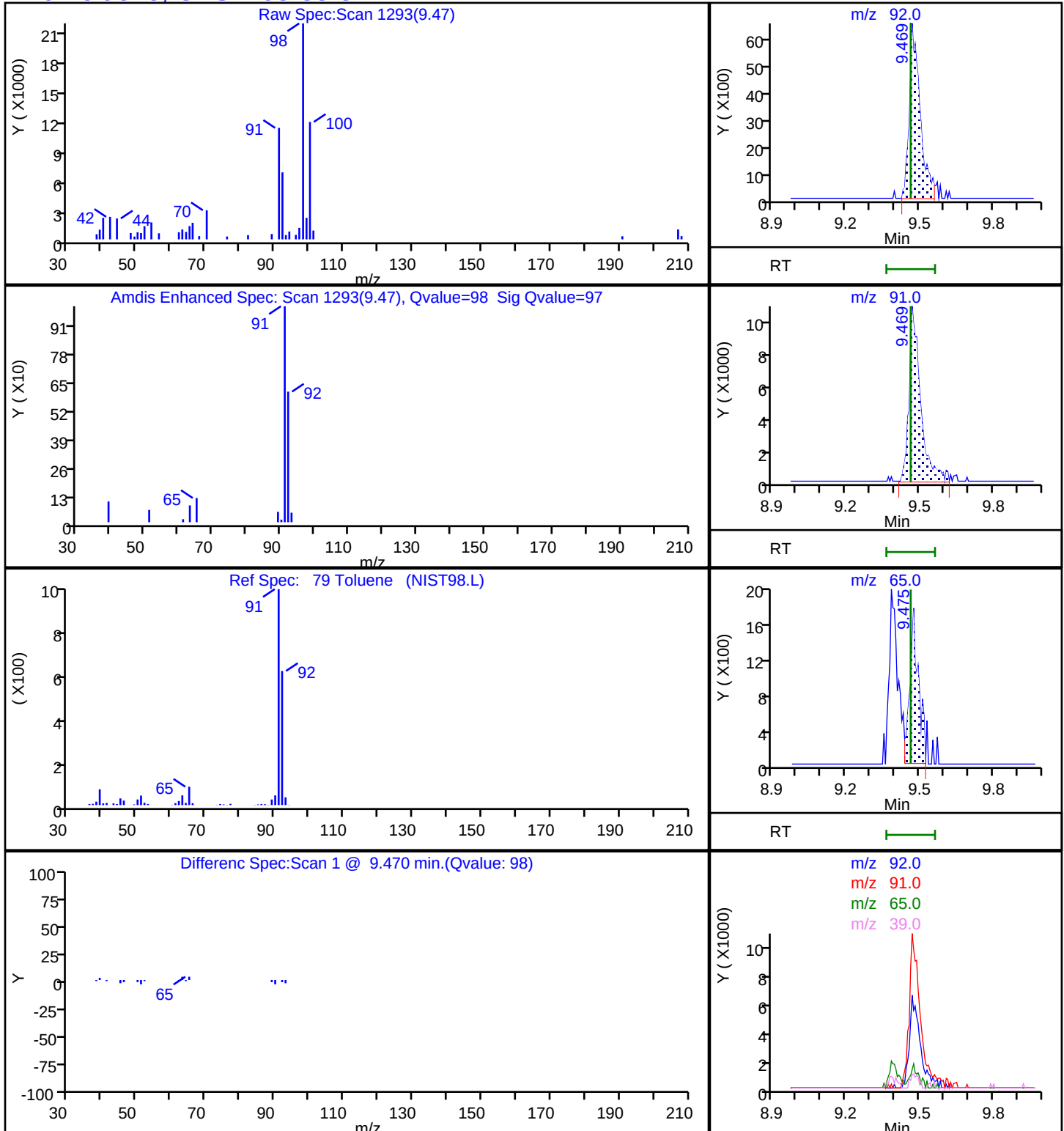
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**79 Toluene, CAS: 108-88-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X12.D

Injection Date: 03-Jul-2025 12:49:30

Instrument ID: 19930

Lims ID: 410-229793-A-3

Lab Sample ID: 410-229793-3

Client ID: HD-COD-SW-8-0/1-0

Operator ID: ecr105096

ALS Bottle#: 12

Worklist Smp#: 13

Purge Vol: 25.000 mL

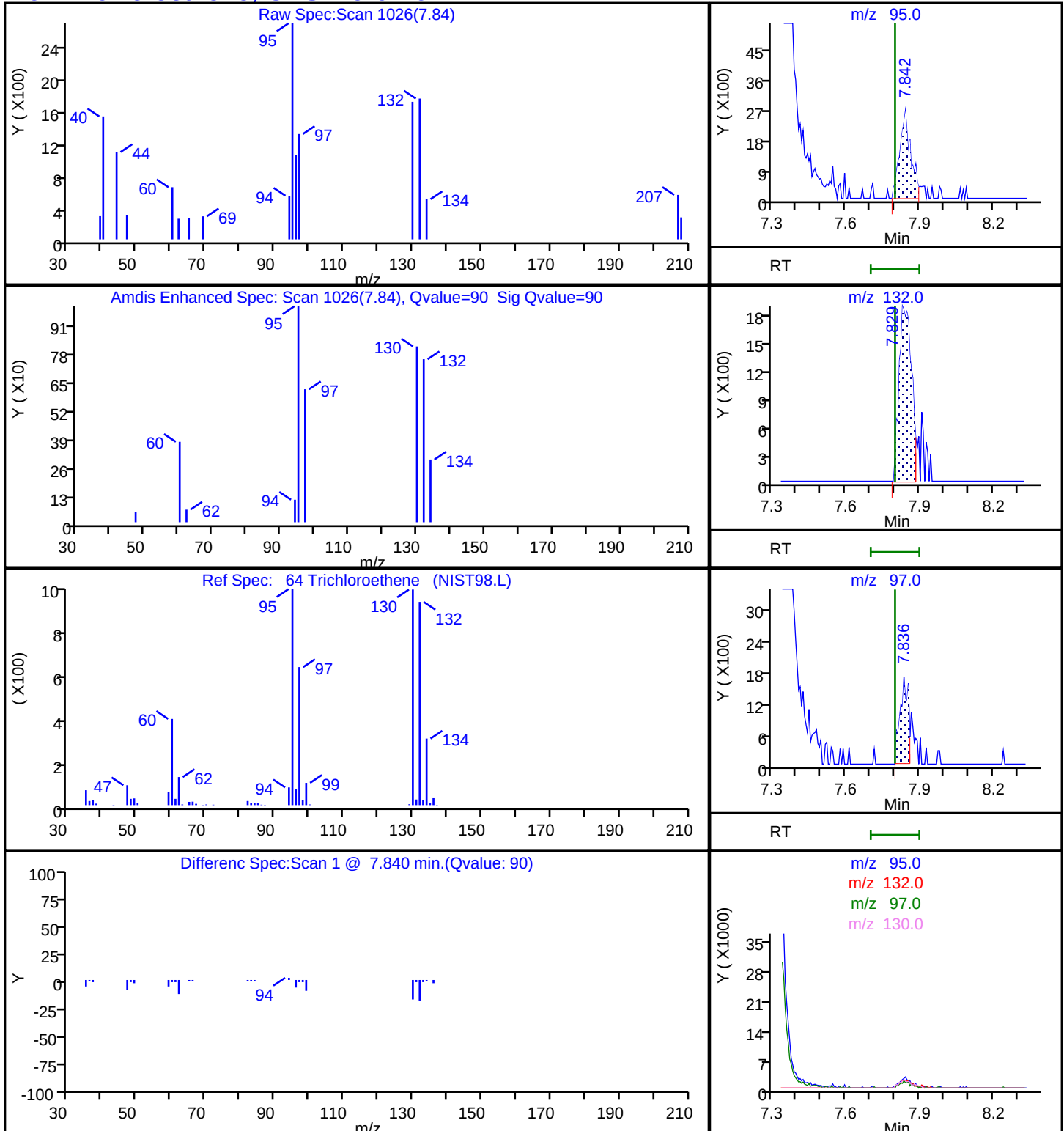
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 30 m

MS Quad

**64 Trichloroethene, CAS: 79-01-6**

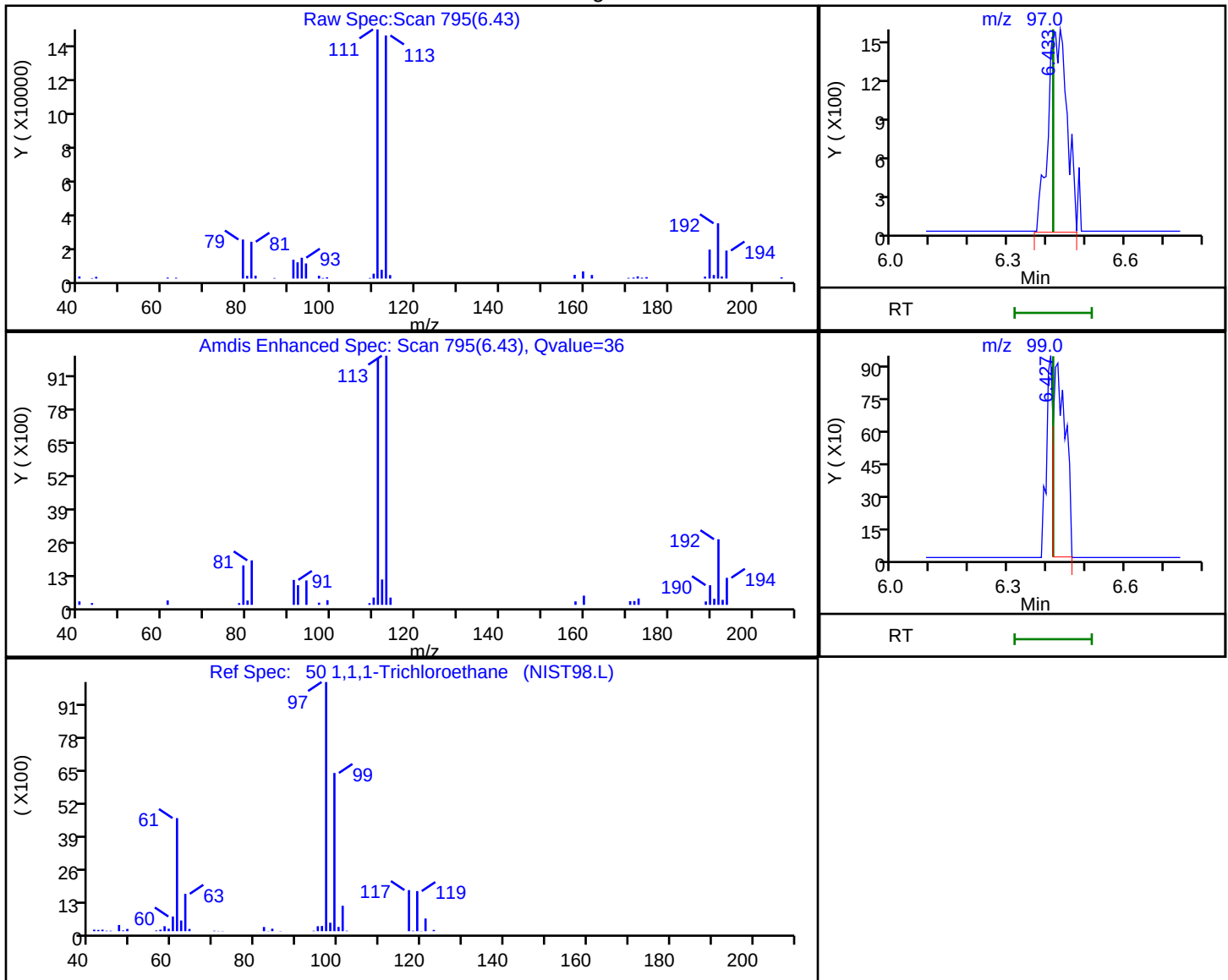


## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X12.D  
Injection Date: 03-Jul-2025 12:49:30 Instrument ID: 19930  
Lims ID: 410-229793-A-3 Lab Sample ID: 410-229793-3  
Client ID: HD-COD-SW-8-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 12 Worklist Smp#: 13  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

## 50 1,1,1-Trichloroethane, CAS: 71-55-6

## Processing Results



| RT   | Mass  | Response | Amount   |
|------|-------|----------|----------|
| 6.43 | 97.00 | 5397     | 0.053095 |
| 6.43 | 99.00 | 1998     |          |

Reviewer: N9NA, 04-Jul-2025 12:22:12 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-9-0/1-0

Lab Sample ID: 410-229793-4

Matrix: Water

Lab File ID: IL03X13.D

Analysis Method: 8260D

Date Collected: 06/25/2025 08:35

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 13:09

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | 2.0    | J     | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 0.19   | J     | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 0.11   | J     | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | 0.27   | J     | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-9-0/1-0      Lab Sample ID: 410-229793-4

Matrix: Water      Lab File ID: IL03X13.D

Analysis Method: 8260D      Date Collected: 06/25/2025 08:35

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 13:09

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 0.10   | J | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 0.14   | J | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 116  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 89   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 115  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 99   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X13.D  
 Lims ID: 410-229793-A-4  
 Client ID: HD-COD-SW-9-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 13:09:30 ALS Bottle#: 13 Worklist Smp#: 14  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-014  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:22:57

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  | 1.995     | 1.983         | 0.012         | 1  | 4073     | 0.0486         |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             |       |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             | 7     |
| 16 Acetone                         | 43  | 3.336     | 3.239         | 0.097         | 63 | 16850    | 1.96           |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.855     | 3.830         | 0.025         | 23 | 130989   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.732     | 5.696         | 0.036         | 78 | 6224     | 0.1074         |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.208     | 6.190         | 0.018         | 93 | 19016    | 0.1871         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 93 | 474182   | 11.5           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          | ND             |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.891     | 6.866         | 0.025         | 63 | 97201    | 11.6           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.323     | 7.317         | 0.006         | 99 | 1670684  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.829     | 7.799         | 0.030         | 92 | 8852     | 0.1449         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             | 7     |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 93 | 1733002  | 9.92           |       |
| 79 Toluene                         | 92  | 9.475     | 9.463         | 0.012         | 98 | 15361    | 0.0999         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.055    | 10.043        | 0.012         | 96 | 19881    | 0.2654         |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             | 7     |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1325541  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             | 7     |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 567342   | 8.87           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 711494   | 10.0           |       |

**QC Flag Legend**

Processing Flags

7 - Failed Limit of Detection

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jul-2025 12:22:57

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X13.D

Injection Date: 03-Jul-2025 13:09:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-4

Lab Sample ID: 410-229793-4

Worklist Smp#: 14

Client ID: HD-COD-SW-9-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

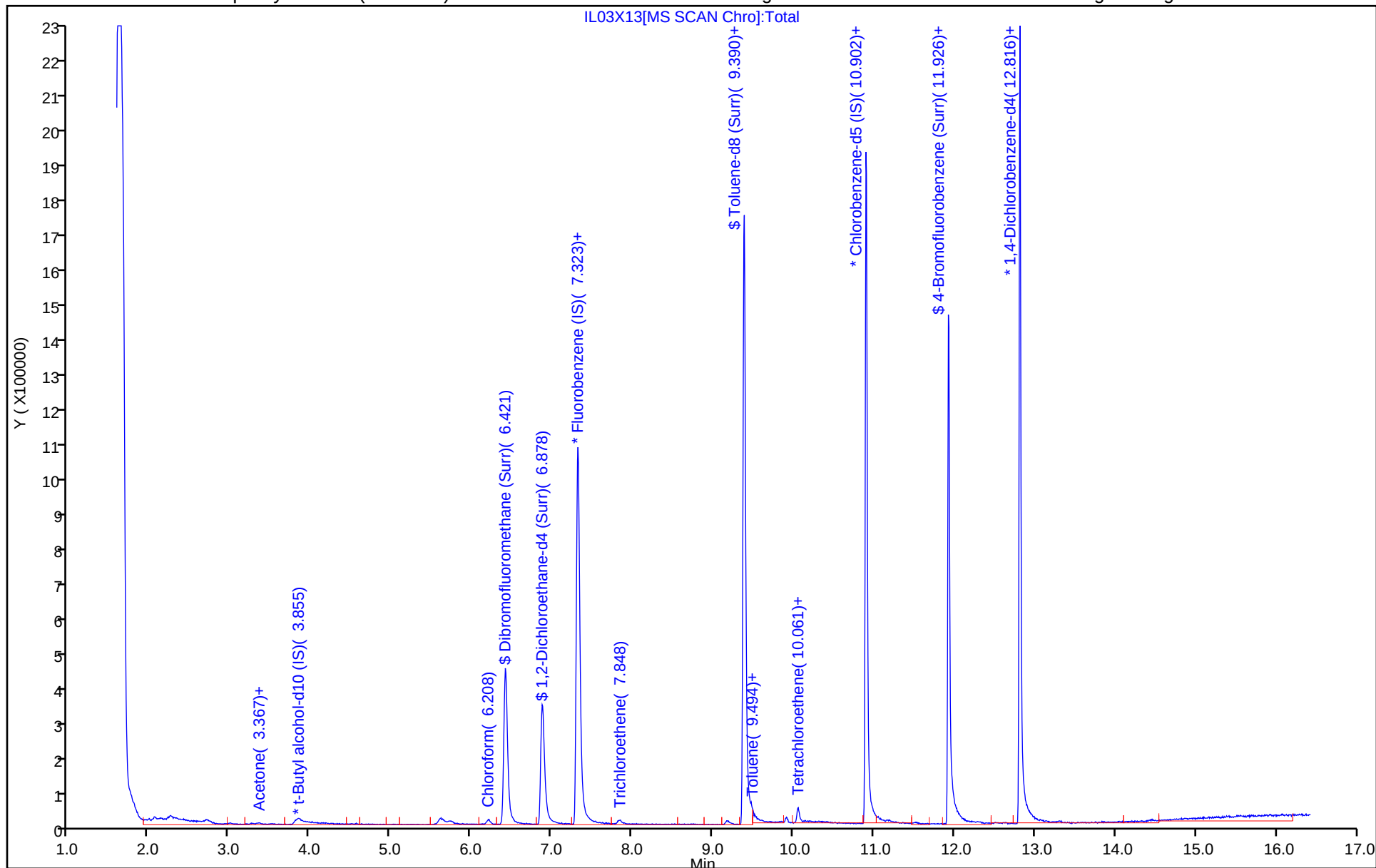
ALS Bottle#: 13

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X13.D  
Lims ID: 410-229793-A-4  
Client ID: HD-COD-SW-9-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 13:09:30 ALS Bottle#: 13 Worklist Smp#: 14  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-014  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:22:57

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.5             | 114.90 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.6             | 116.15 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.92             | 99.24  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 8.87             | 88.71  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X13.D

Injection Date: 03-Jul-2025 13:09:30

Instrument ID: 19930

Lims ID: 410-229793-A-4

Lab Sample ID: 410-229793-4

Client ID: HD-COD-SW-9-0/1-0

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

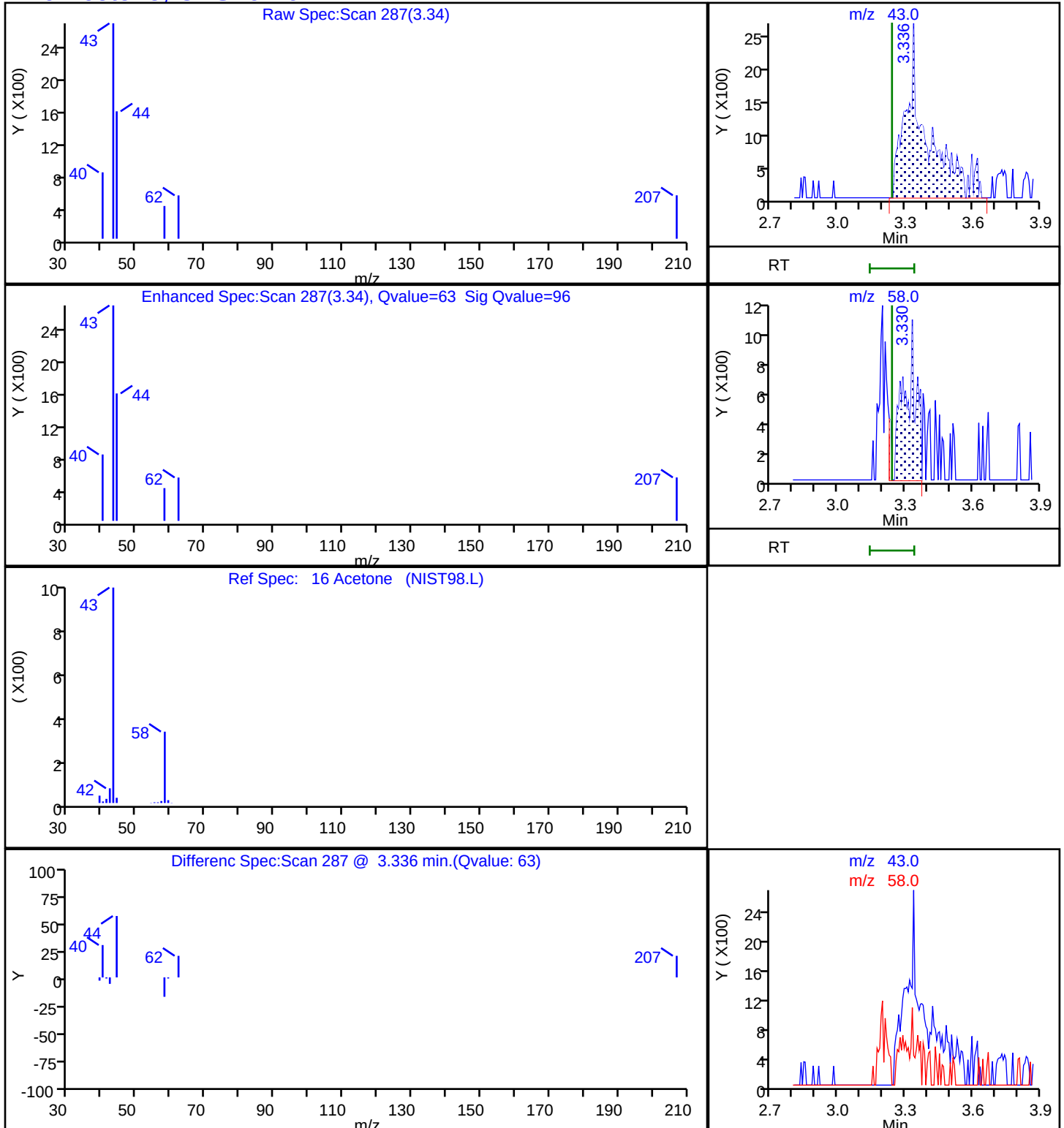
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**16 Acetone, CAS: 67-64-1**



## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X13.D

Injection Date: 03-Jul-2025 13:09:30

Instrument ID: 19930

Lims ID: 410-229793-A-4

Lab Sample ID: 410-229793-4

Client ID: HD-COD-SW-9-0/1-0

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

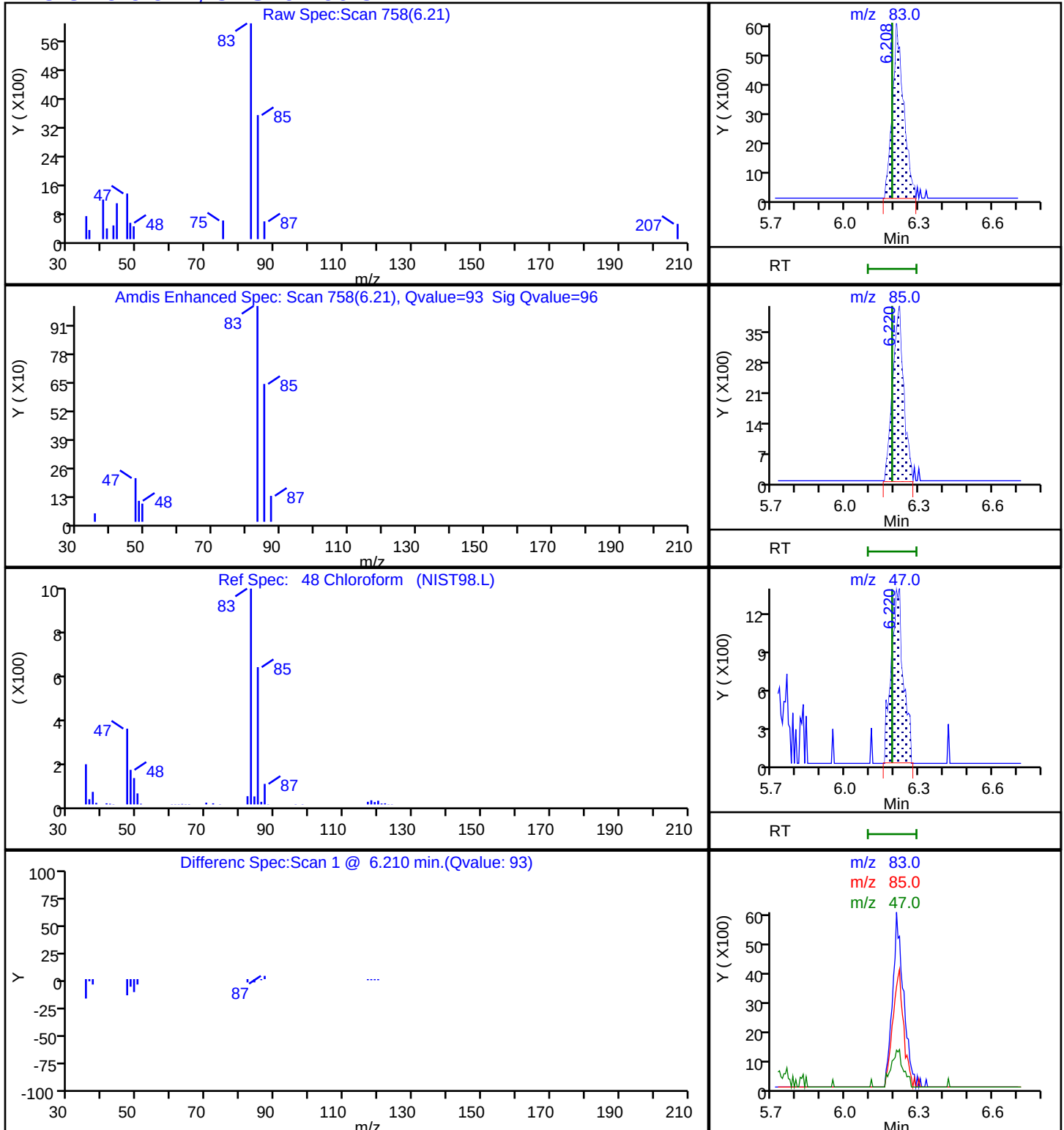
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**48 Chloroform, CAS: 67-66-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X13.D

Injection Date: 03-Jul-2025 13:09:30

Instrument ID: 19930

Lims ID: 410-229793-A-4

Lab Sample ID: 410-229793-4

Client ID: HD-COD-SW-9-0/1-0

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

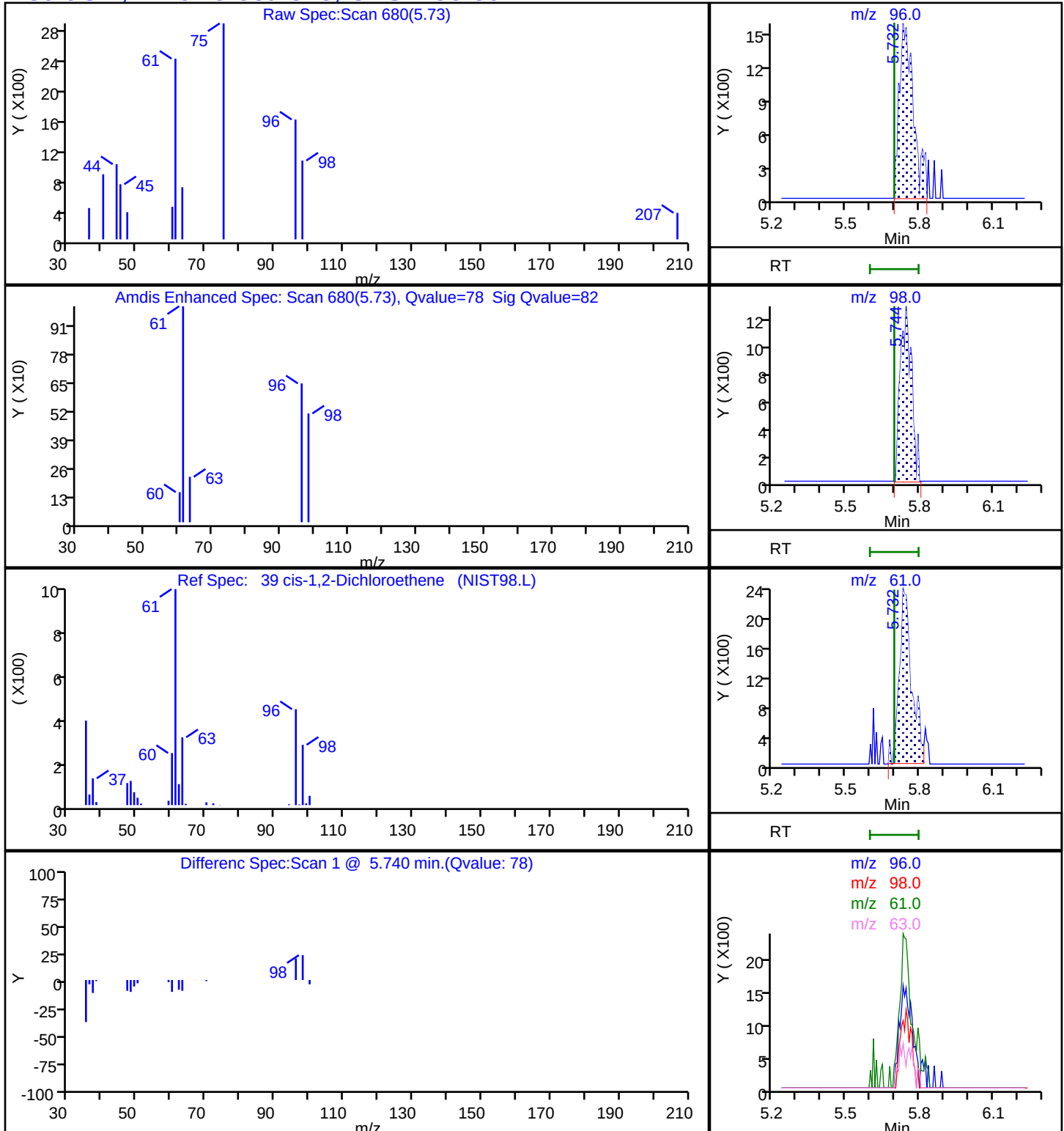
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X13.D

Injection Date: 03-Jul-2025 13:09:30

Instrument ID: 19930

Lims ID: 410-229793-A-4

Lab Sample ID: 410-229793-4

Client ID: HD-COD-SW-9-0/1-0

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

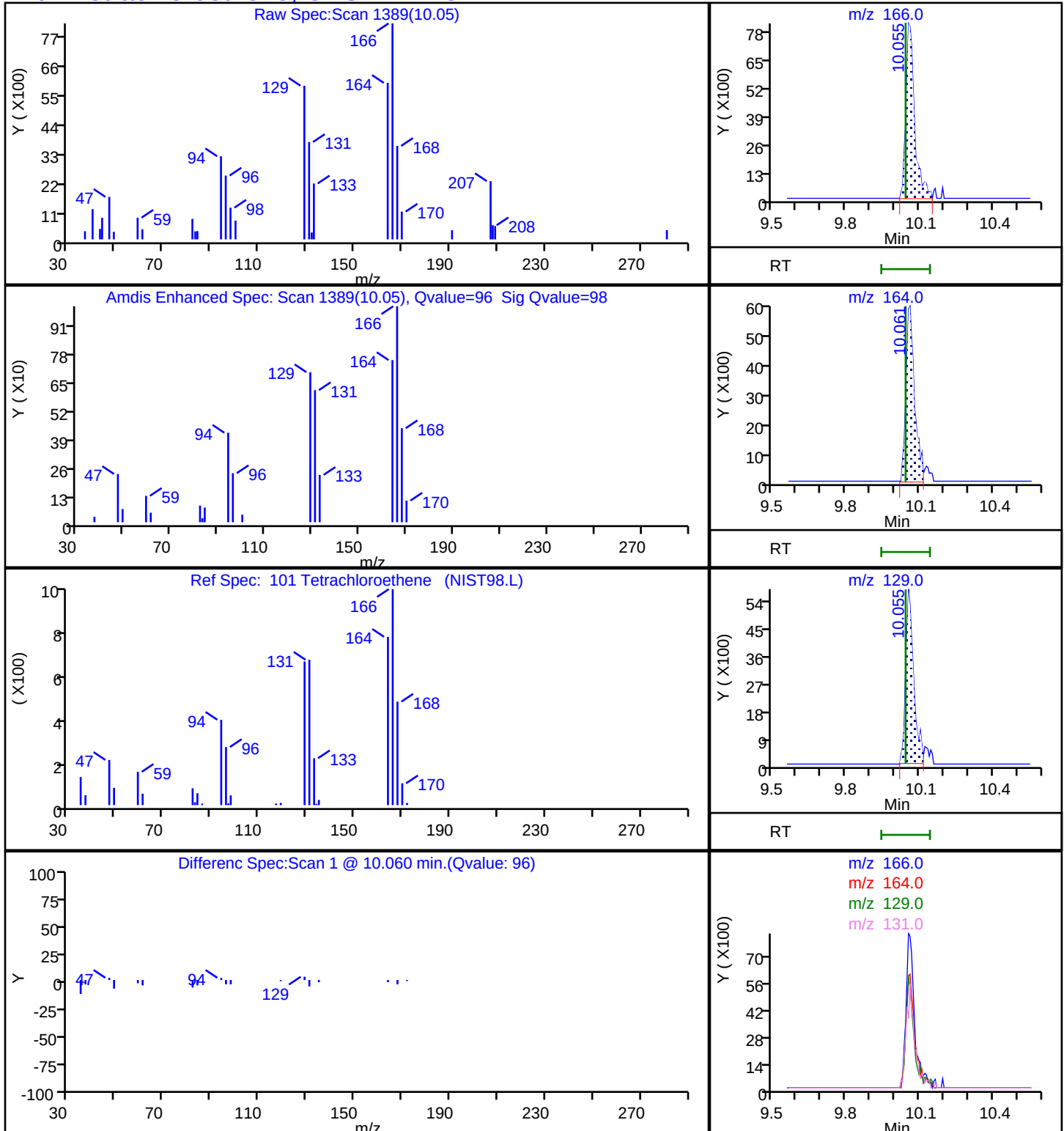
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X13.D

Injection Date: 03-Jul-2025 13:09:30

Instrument ID: 19930

Lims ID: 410-229793-A-4

Lab Sample ID: 410-229793-4

Client ID: HD-COD-SW-9-0/1-0

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

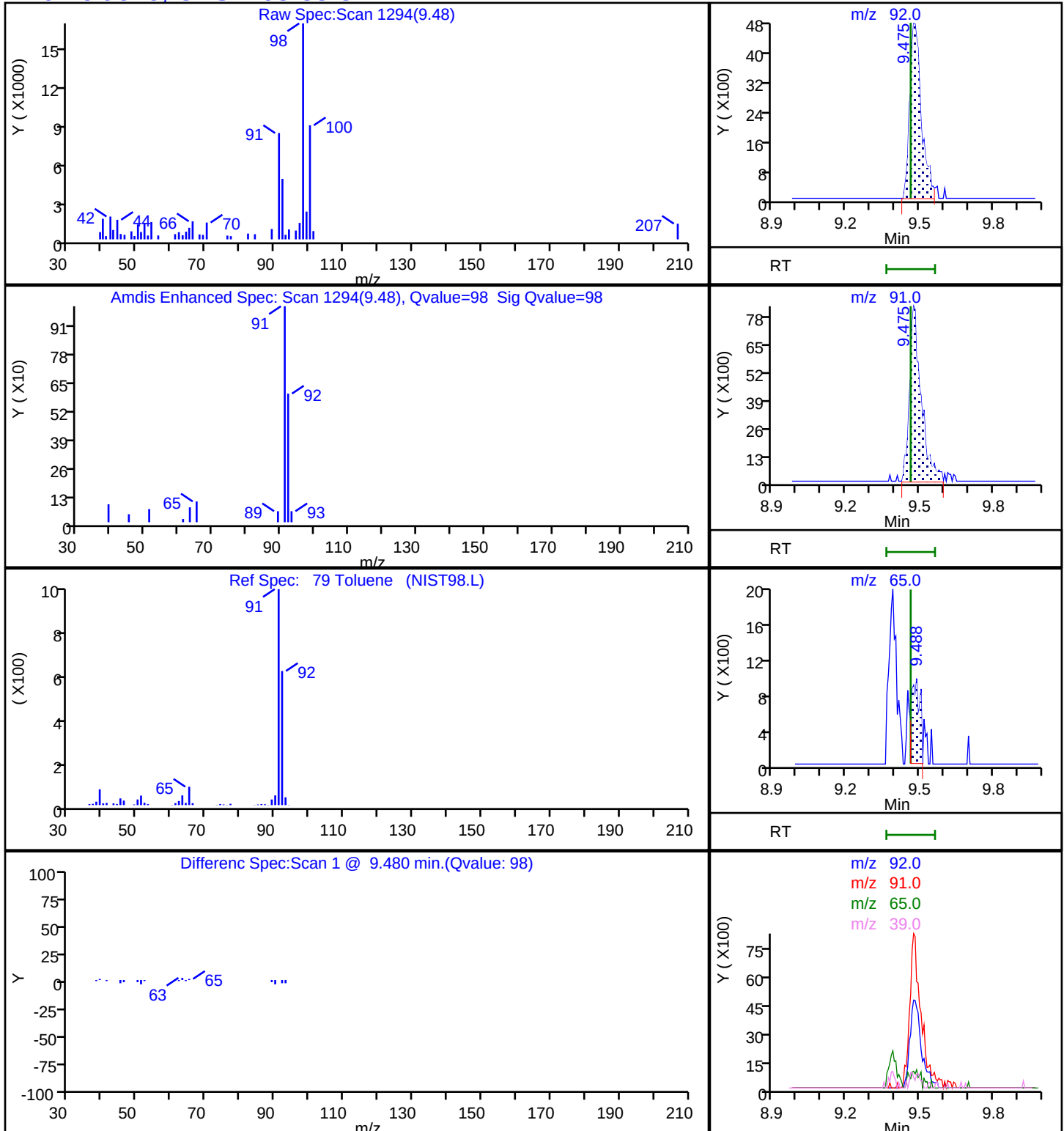
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**79 Toluene, CAS: 108-88-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X13.D

Injection Date: 03-Jul-2025 13:09:30

Instrument ID: 19930

Lims ID: 410-229793-A-4

Lab Sample ID: 410-229793-4

Client ID: HD-COD-SW-9-0/1-0

Operator ID: ecr105096

ALS Bottle#: 13

Worklist Smp#: 14

Purge Vol: 25.000 mL

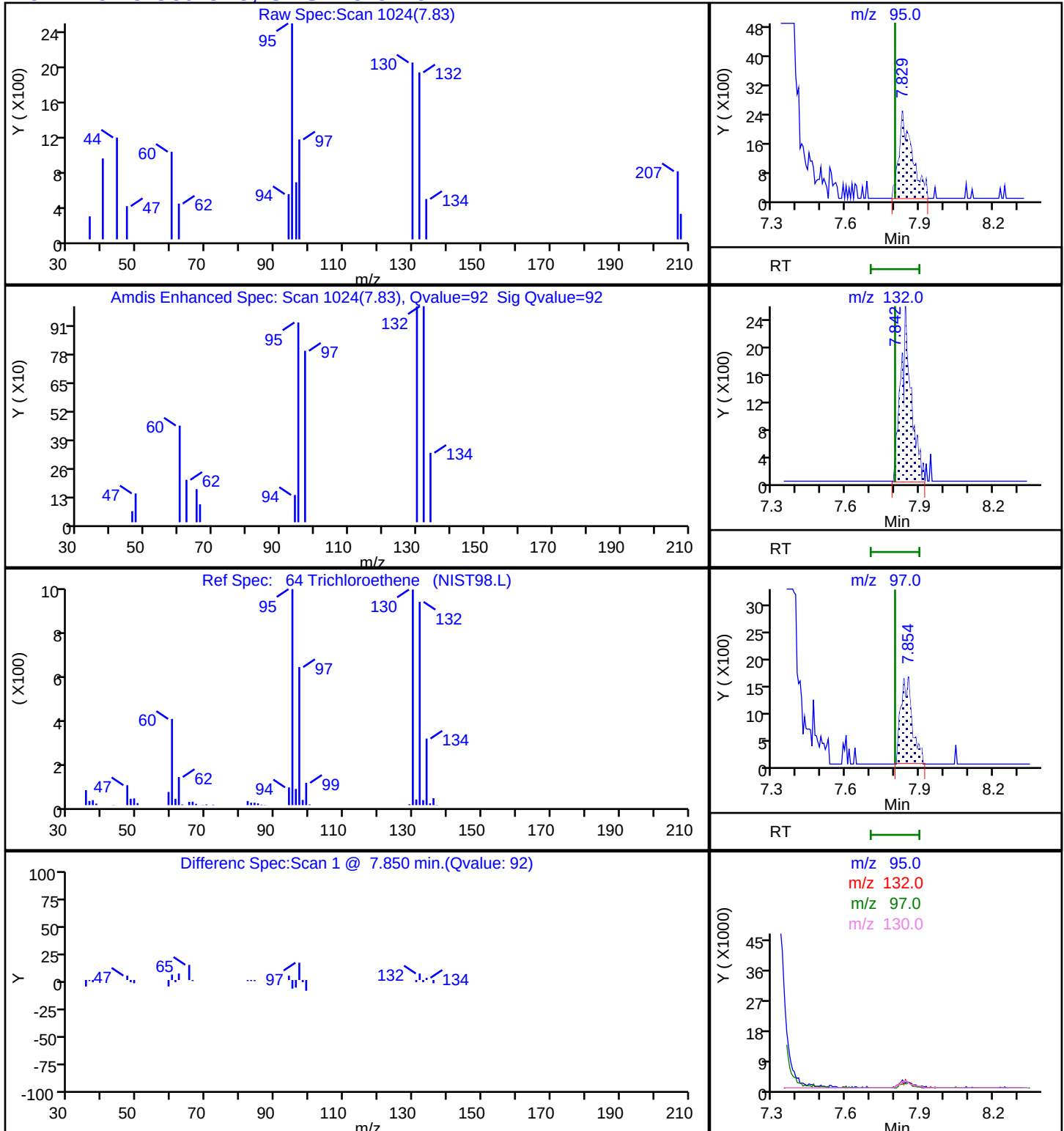
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**64 Trichloroethene, CAS: 79-01-6**

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-13-0/1-0

Lab Sample ID: 410-229793-5

Matrix: Water

Lab File ID: IL03X14.D

Analysis Method: 8260D

Date Collected: 06/25/2025 06:28

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 13:30

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | 1.8    | J     | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | ND     |       | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 0.12   | J     | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | 0.44   | J     | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-13-0/1-0      Lab Sample ID: 410-229793-5

Matrix: Water      Lab File ID: IL03X14.D

Analysis Method: 8260D      Date Collected: 06/25/2025 06:28

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 13:30

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 0.10   | J | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 0.12   | J | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 112  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 90   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 111  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 96   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X14.D  
 Lims ID: 410-229793-A-5  
 Client ID: HD-COD-SW-13-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 13:30:30 ALS Bottle#: 14 Worklist Smp#: 15  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-015  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:23:47

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  | 2.001     | 1.983         | 0.018         | 96 | 6646     | 0.0681         |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             | 7     |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             |       |
| 16 Acetone                         | 43  | 3.300     | 3.239         | 0.061         | 84 | 16584    | 1.78           |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.849     | 3.830         | 0.019         | 22 | 142054   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.745     | 5.696         | 0.049         | 76 | 8002     | 0.1185         |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.220     | 6.190         | 0.030         | 91 | 8754     | 0.0739         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 94 | 533188   | 11.1           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.427     | 6.415         | 0.012         | 45 | 3135     | 0.0309         |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.879     | 6.866         | 0.013         | 62 | 109054   | 11.2           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.324     | 7.317         | 0.007         | 99 | 1946833  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.848     | 7.799         | 0.049         | 93 | 8694     | 0.1221         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             | 7     |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 93 | 1946181  | 9.64           |       |
| 79 Toluene                         | 92  | 9.476     | 9.463         | 0.013         | 98 | 18522    | 0.1041         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |



| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.061    | 10.043        | 0.018         | 95 | 38474    | 0.4441         |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             | 7     |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1533101  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             | 7     |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             | 7     |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 665019   | 8.99           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 846574   | 10.0           |       |

**QC Flag Legend**

Processing Flags

7 - Failed Limit of Detection

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jul-2025 12:23:47

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X14.D

Injection Date: 03-Jul-2025 13:30:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-5

Lab Sample ID: 410-229793-5

Worklist Smp#: 15

Client ID: HD-COD-SW-13-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

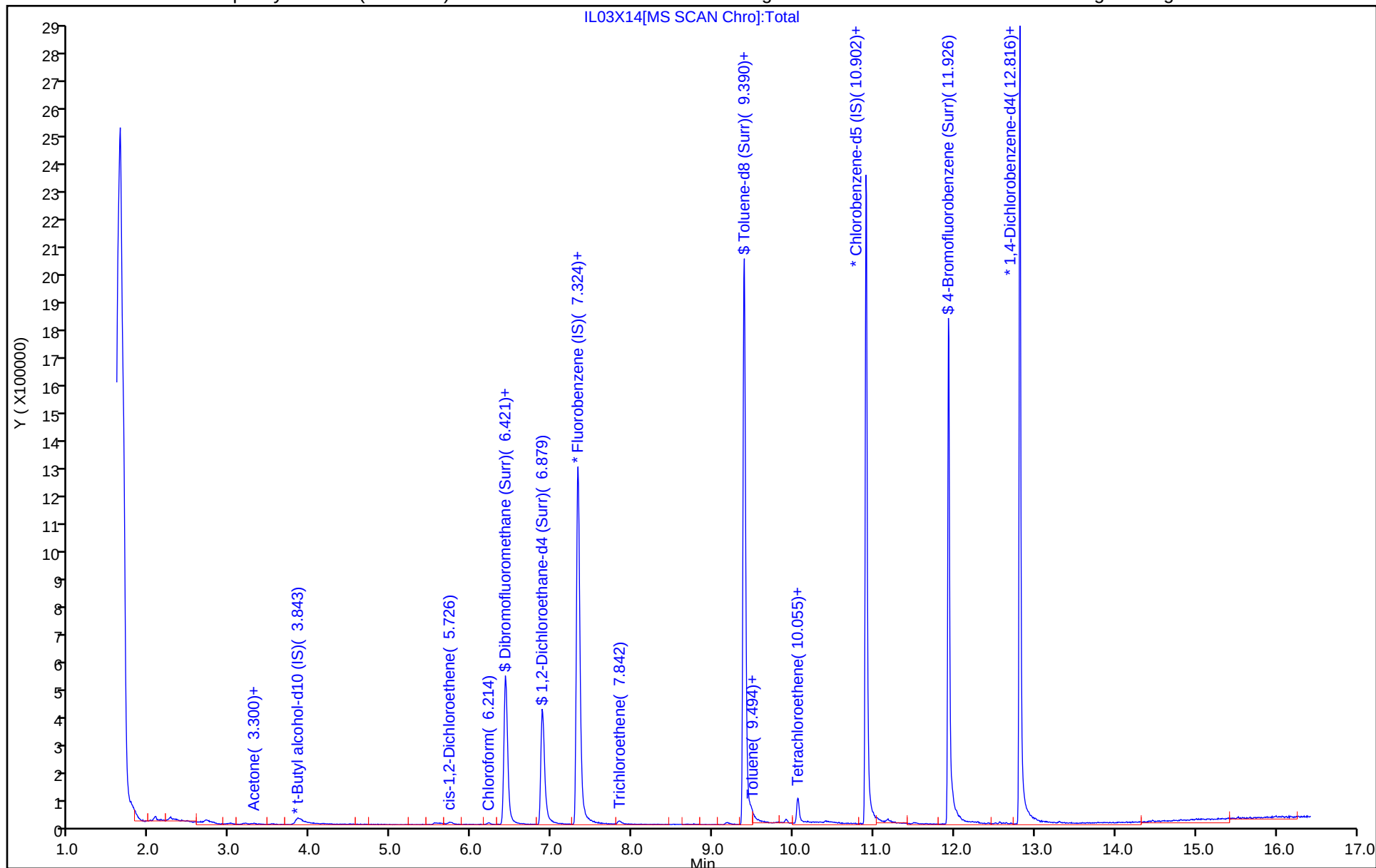
ALS Bottle#: 14

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X14.D  
Lims ID: 410-229793-A-5  
Client ID: HD-COD-SW-13-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 13:30:30 ALS Bottle#: 14 Worklist Smp#: 15  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-015  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:23:47

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.1             | 110.87 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.2             | 111.83 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.64             | 96.36  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 8.99             | 89.91  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X14.D

Injection Date: 03-Jul-2025 13:30:30

Instrument ID: 19930

Lims ID: 410-229793-A-5

Lab Sample ID: 410-229793-5

Client ID: HD-COD-SW-13-0/1-0

Operator ID: ecr105096

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

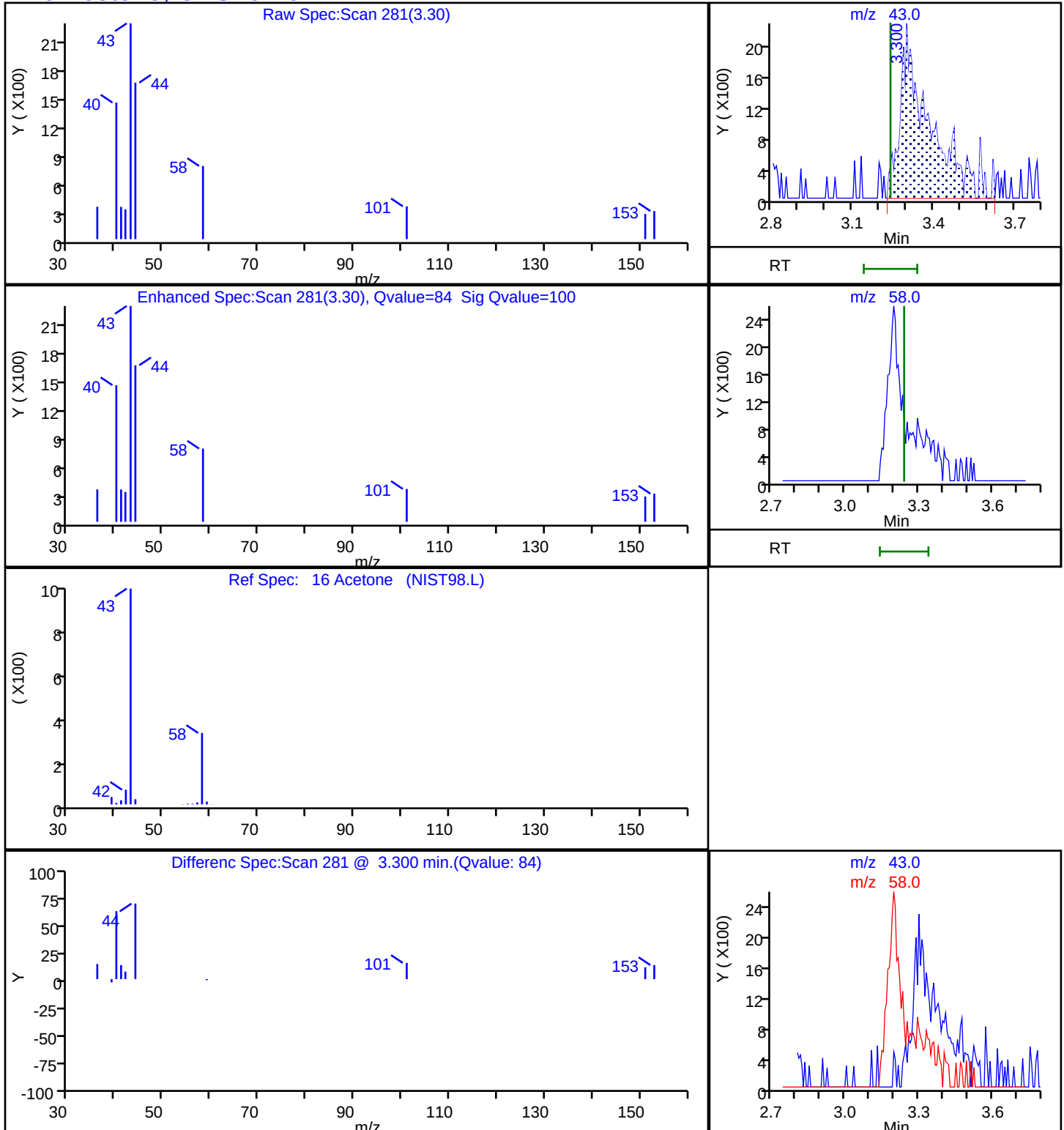
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

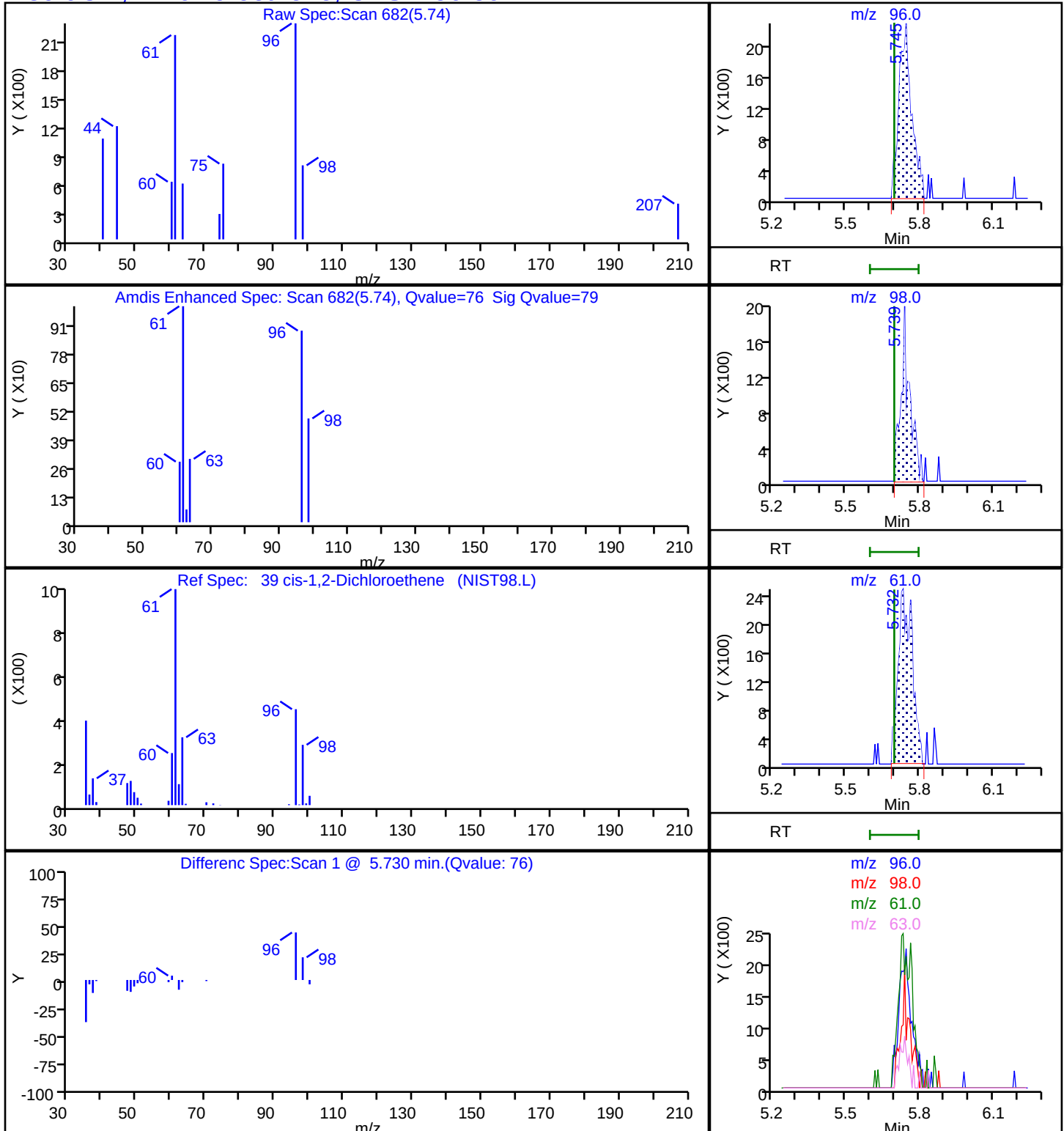
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**16 Acetone, CAS: 67-64-1**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X14.D  
Injection Date: 03-Jul-2025 13:30:30 Instrument ID: 19930  
Lims ID: 410-229793-A-5 Lab Sample ID: 410-229793-5  
Client ID: HD-COD-SW-13-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X14.D

Injection Date: 03-Jul-2025 13:30:30

Instrument ID: 19930

Lims ID: 410-229793-A-5

Lab Sample ID: 410-229793-5

Client ID: HD-COD-SW-13-0/1-0

Operator ID: ecr105096

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

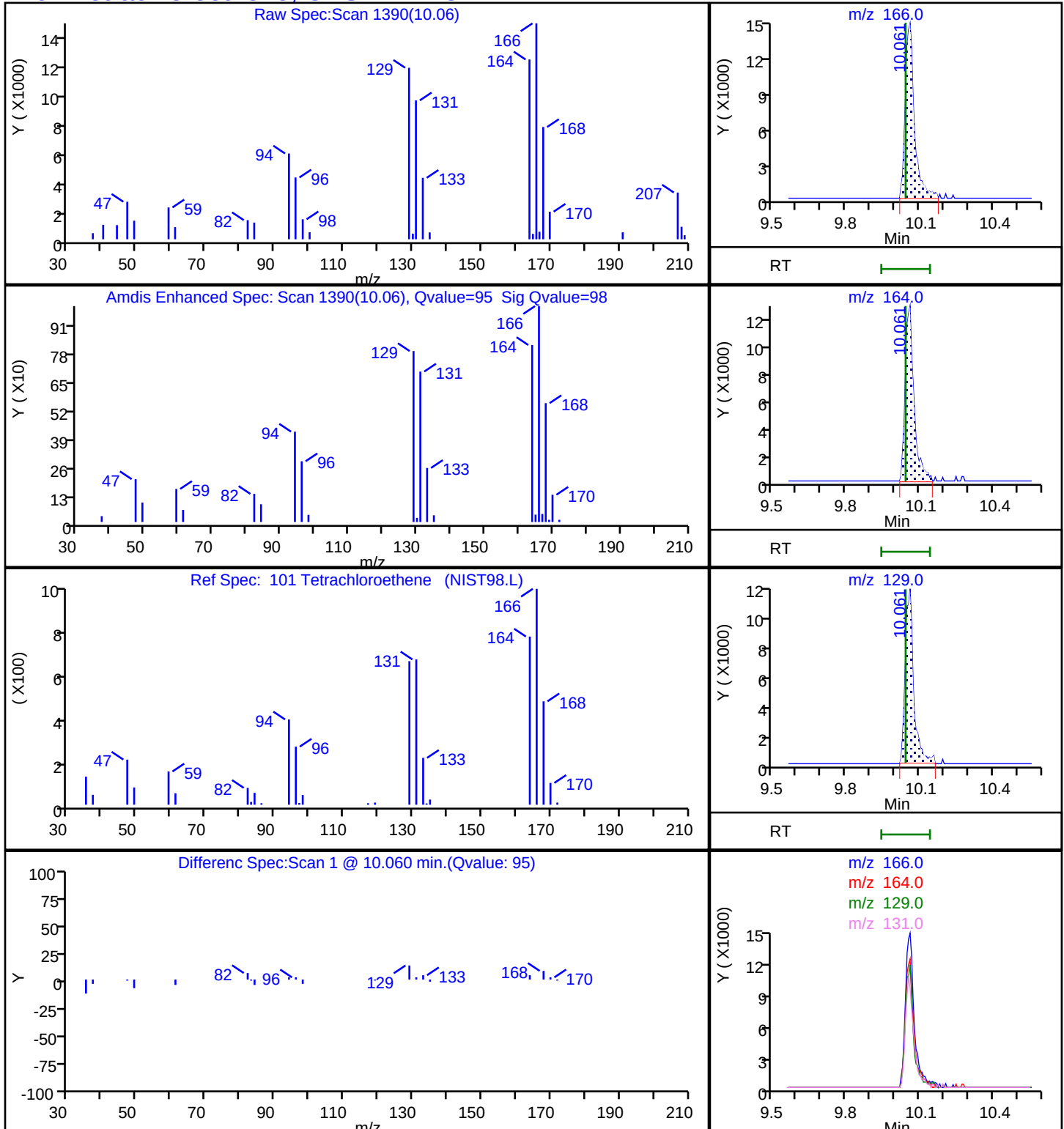
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

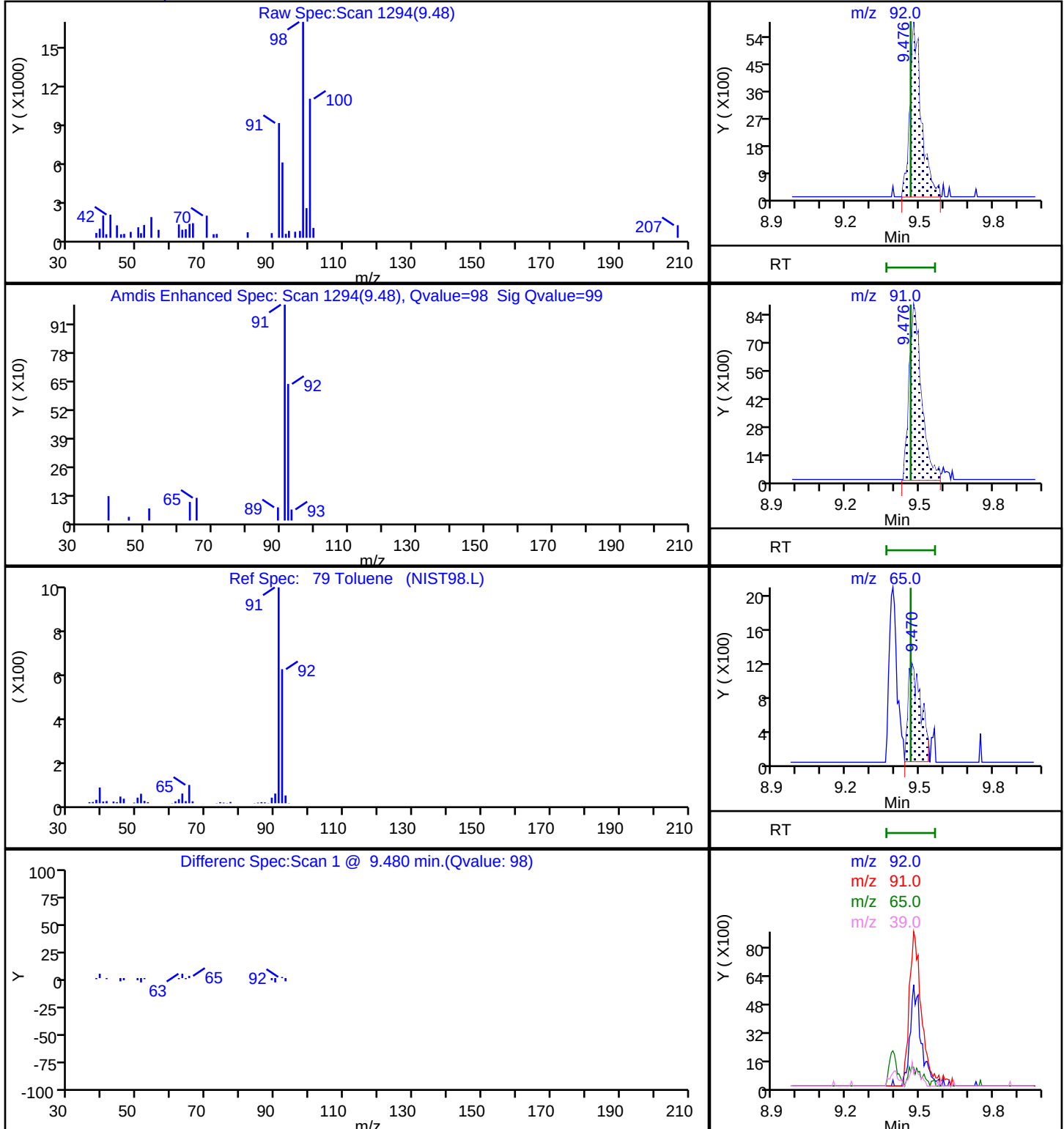
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X14.D  
Injection Date: 03-Jul-2025 13:30:30 Instrument ID: 19930  
Lims ID: 410-229793-A-5 Lab Sample ID: 410-229793-5  
Client ID: HD-COD-SW-13-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 14 Worklist Smp#: 15  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

**79 Toluene, CAS: 108-88-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X14.D

Injection Date: 03-Jul-2025 13:30:30

Instrument ID: 19930

Lims ID: 410-229793-A-5

Lab Sample ID: 410-229793-5

Client ID: HD-COD-SW-13-0/1-0

Operator ID: ecr105096

ALS Bottle#: 14

Worklist Smp#: 15

Purge Vol: 25.000 mL

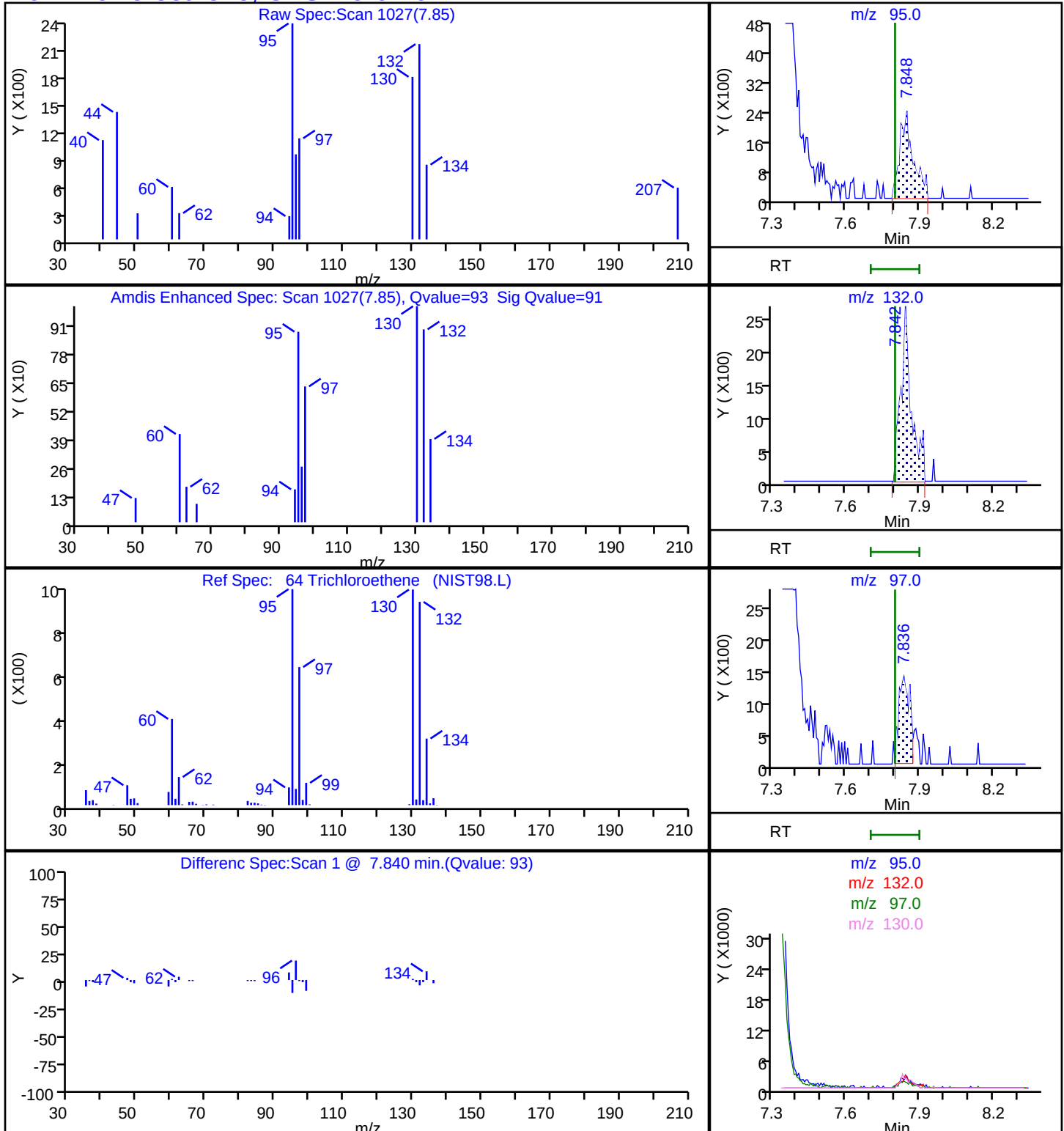
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 30 m

MS Quad

**64 Trichloroethene, CAS: 79-01-6**



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0

Lab Sample ID: 410-229793-6

Matrix: Water

Lab File ID: IL03X15.D

Analysis Method: 8260D

Date Collected: 06/25/2025 08:15

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 13:50

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q           | RL   | MDL   |
|------------|-----------------------------|--------|-------------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |             | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | 0.40   | J           | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     | FL          | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |             | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | 0.13   | J           | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | 0.23   | J           | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |             | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |             | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |             | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     | F2          | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     | F2          | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     | F2          | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     | F2          | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |             | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |             | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |             | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |             | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn       | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |             | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |             | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |             | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn       | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 0.24   | J           | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c FL<br>cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 1.4    |             | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |             | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     | FL          | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |             | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |             | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |             | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |             | 0.50 | 0.070 |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-15-0/1-0      Lab Sample ID: 410-229793-6

Matrix: Water      Lab File ID: IL03X15.D

Analysis Method: 8260D      Date Collected: 06/25/2025 08:15

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 13:50

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q  | RL   | MDL   |
|------------|---------------------------|--------|----|------|-------|
| 127-18-4   | Tetrachloroethene         | 5.8    | FL | 0.50 | 0.20  |
| 108-88-3   | Toluene                   | ND     |    | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |    | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |    | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 1.6    | FL | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |    | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |    | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 111  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 89   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 113  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D  
 Lims ID: 410-229793-A-6  
 Client ID: HD-COD-SW-15-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 13:50:30 ALS Bottle#: 15 Worklist Smp#: 16  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-016  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:24:59

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  |           | 1.800         |               |    |          | ND             |       |
| 2 Chlorodifluoromethane             | 51  |           | 1.812         |               |    |          | ND             |       |
| 3 Dimethyl ether                    | 45  |           | 1.873         |               |    |          | ND             |       |
| 4 Chloromethane                     | 50  |           | 1.983         |               |    |          | ND             | 7     |
| 6 Butadiene                         | 39  |           | 2.081         |               |    |          | ND             | 7     |
| 5 Vinyl chloride                    | 62  |           | 2.087         |               |    |          | ND             |       |
| 7 Bromomethane                      | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                      | 64  |           | 2.453         |               |    |          | ND             |       |
| 9 Dichlorofluoromethane             | 67  |           | 2.672         |               |    |          | ND             | 7     |
| 10 Trichlorofluoromethane           | 101 |           | 2.745         |               |    |          | ND             |       |
| 11 Ethyl ether                      | 59  |           | 2.934         |               |    |          | ND             |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  |           | 3.020         |               |    |          | ND             |       |
| 14 Acrolein                         | 56  |           | 3.087         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene               | 96  | 3.227     | 3.221         | 0.006         | 93 | 11215    | 0.2298         |       |
| 16 Acetone                          | 43  |           | 3.239         |               |    |          | ND             |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 |           | 3.263         |               |    |          | ND             |       |
| T 12 Ethanol TIC                    | 45  |           | 3.288         |               |    |          | ND             | 7     |
| 18 Iodomethane                      | 142 |           | 3.398         |               |    |          | ND             |       |
| 19 Ethyl bromide                    | 108 |           | 3.422         |               |    |          | ND             |       |
| 20 Carbon disulfide                 | 76  |           | 3.501         |               |    |          | ND             |       |
| 21 Acetonitrile                     | 41  |           | 3.623         |               |    |          | ND             |       |
| 23 Methyl acetate                   | 43  |           | 3.623         |               |    |          | ND             | 7     |
| 24 3-Chloro-1-propene               | 41  |           | 3.647         |               |    |          | ND             |       |
| 25 Methylene Chloride               | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.837     | 3.830         | 0.006         | 22 | 126755   | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  |           | 3.934         |               |    |          | ND             |       |
| T 22 Acetonitrile TIC               | 41  |           | 4.001         |               |    |          | ND             |       |
| 28 Acrylonitrile                    | 53  |           | 4.117         |               |    |          | ND             |       |
| 29 Methyl tert-butyl ether          | 73  | 4.214     | 4.184         | 0.030         | 1  | 3785     | 0.0277         |       |
| 30 trans-1,2-Dichloroethene         | 96  |           | 4.196         |               |    |          | ND             | 7     |
| 31 Hexane                           | 57  |           | 4.611         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane               | 63  | 4.861     | 4.848         | 0.013         | 95 | 13793    | 0.1325         |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 33 Vinyl acetate                   | 43  |           | 4.879         |               |    |          | ND             |       |
| 35 Isopropyl ether                 | 45  |           | 4.916         |               |    |          | ND             |       |
| 36 2-Chloro-1,3-butadiene          | 53  |           | 4.964         |               |    |          | ND             |       |
| T 34 Vinyl acetate (TIC)           | 43  |           | 5.336         |               |    |          | ND             |       |
| 37 Tert-butyl ethyl ether          | 59  |           | 5.458         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.714     | 5.696         | 0.018         | 78 | 81797    | 1.35           |       |
| 40 2,2-Dichloropropane             | 77  |           | 5.708         |               |    |          | ND             |       |
| 43 Propionitrile                   | 54  |           | 5.757         |               |    |          | ND             |       |
| 42 Ethyl acetate                   | 43  |           | 5.763         |               |    |          | ND             |       |
| 45 Methacrylonitrile               | 67  |           | 5.970         |               |    |          | ND             |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 47 Tetrahydrofuran                 | 71  |           | 6.049         |               |    |          | ND             |       |
| S 41 1,2-Dichloroethene, Total     | 100 |           |               |               | 0  |          | 1.35           |       |
| 48 Chloroform                      | 83  | 6.202     | 6.190         | 0.012         | 92 | 25195    | 0.2375         |       |
| 44 Methyl acrylate                 | 55  |           | 6.220         |               |    |          | ND             |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 94 | 487582   | 11.3           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.415     | 6.415         | 0.000         | 39 | 36742    | 0.4045         |       |
| 51 Cyclohexane                     | 56  |           | 6.519         |               |    |          | ND             |       |
| 54 Carbon tetrachloride            | 117 | 6.635     | 6.635         | 0.000         | 14 | 2592     | 0.0326         |       |
| 53 1,1-Dichloropropene             | 75  |           | 6.635         |               |    |          | ND             |       |
| 55 Isobutyl alcohol                | 41  |           | 6.805         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.873     | 6.866         | 0.006         | 62 | 96784    | 11.1           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| 59 Isopropyl acetate               | 43  |           | 7.000         |               |    |          | ND             |       |
| 52 1-Chlorobutane                  | 56  |           | 7.019         |               |    |          | ND             |       |
| 60 Tert-amyl methyl ether          | 73  |           | 7.098         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.318     | 7.317         | 0.001         | 99 | 1743857  | 10.0           |       |
| 62 n-Heptane                       | 43  |           | 7.336         |               |    |          | ND             |       |
| 63 n-Butanol                       | 56  |           | 7.702         |               |    |          | ND             |       |
| 64 Trichloroethene                 | 95  | 7.817     | 7.799         | 0.018         | 97 | 102816   | 1.61           |       |
| 65 Methylcyclohexane               | 83  |           | 8.110         |               |    |          | ND             |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 68 1,4-Dioxane                     | 88  |           | 8.232         |               |    |          | ND             |       |
| 67 Methyl methacrylate             | 69  |           | 8.232         |               |    |          | ND             |       |
| 69 Dibromomethane                  | 93  |           | 8.250         |               |    |          | ND             |       |
| 70 n-Propyl acetate                | 43  |           | 8.329         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 72 2-Nitropropane                  | 41  |           | 8.756         |               |    |          | ND             |       |
| 73 2-Chloroethyl vinyl ether       | 63  |           | 8.878         |               |    |          | ND             |       |
| 75 1-Bromo-2-chloroethane          | 63  |           | 8.884         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 74 Chloroacetonitrile              | 75  |           | 9.226         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 94 | 1722190  | 9.79           |       |
| 79 Toluene                         | 92  | 9.482     | 9.463         | 0.019         | 18 | 6412     | 0.0414         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 99 Ethyl methacrylate              | 69  |           | 9.817         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |
| T 82 Epichlorohydrin TIC           | 57  |           | 10.000        |               |    |          | ND             |       |
| T 81 Monochloroacetic acid TIC     | 50  |           | 10.000        |               |    |          | ND             |       |

| Compound                              | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|---------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| T 83 2,3-Dibromopropene TIC           | 119 | 10.049    | 10.000        | 0.049         | 1  | 3519     | 0.0202         |       |
| T 85 2,3-Dibromo-1-propanol TIC       | 57  |           | 10.000        |               |    |          | ND             |       |
| T 84 3-Chloro-1,2-propanediol TIC     | 43  |           | 10.000        |               |    |          | ND             |       |
| T 224 Methyl acrylate TIC             | 55  | 10.567    | 10.000        | 0.567         | 1  | 239      | 0.001371       |       |
| T 86 2-Bromoethanol TIC               | 45  | 10.390    | 10.000        | 0.390         | 1  | 236      | 0.001353       |       |
| T 91 Epibromohydrin TIC               | 57  | 9.390     | 10.000        | -0.610        | 14 | 672      | 0.003854       |       |
| T 80 Chloroacetaldehyde TIC           | 50  | 9.549     | 10.000        | -0.451        | 1  | 309      | 0.001772       |       |
| T 93 Nitrobenzene TIC                 | 77  | 10.110    | 10.000        | 0.110         | 1  | 253      | 0.001451       |       |
| T 89 Ethylene oxide TIC               | 43  | 9.598     | 10.000        | -0.402        | 36 | 104      | 0.000596       |       |
| T 90 Vinyl bromide TIC                | 106 | 11.177    | 10.000        | 1.177         | 1  | 438      | 0.002512       |       |
| T 92 2-Bromo-3-chloropropene TIC      | 75  | 9.384     | 10.000        | -0.616        | 1  | 469      | 0.002689       |       |
| T 88 Isopropyl alcohol TIC            | 45  | 10.390    | 10.000        | 0.390         | 1  | 236      | 0.001353       |       |
| T 94 Hexachloroethane TIC             | 117 | 10.049    | 10.000        | 0.049         | 12 | 3907     | 0.0224         |       |
| T 95 Decamethylcyclotetrasiloxane TIC | 71  | 9.384     | 10.000        | -0.616        | 1  | 739      | 0.004238       |       |
| T 96 Octamethylcyclotetrasiloxane TIC | 78  | 10.713    | 10.000        | 0.713         | 1  | 417      | 0.002391       |       |
| T 87 2-Chloroethanol TIC              | 44  | 9.957     | 10.000        | -0.043        | 1  | 760      | 0.004358       |       |
| 101 Tetrachloroethene                 | 166 | 10.049    | 10.043        | 0.006         | 98 | 435534   | 5.77           |       |
| S 98 1,3-Dichloropropene, Total       | 100 |           | 10.060        |               |    |          | ND             | 7     |
| 102 1,3-Dichloropropane               | 76  |           | 10.122        |               |    |          | ND             |       |
| 103 2-Hexanone                        | 43  |           | 10.177        |               |    |          | ND             |       |
| 104 n-Butyl acetate                   | 43  |           | 10.323        |               |    |          | ND             |       |
| 105 Chlorodibromomethane              | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide                | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)           | 117 | 10.902    | 10.902        | 0.000         | 85 | 1335659  | 10.0           |       |
| 108 1-Chlorohexane                    | 91  |           | 10.920        |               |    |          | ND             | 7     |
| 109 Chlorobenzene                     | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane         | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                      | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene               | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total                  | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                          | 106 |           | 11.469        |               |    |          | ND             |       |
| 115 Styrene                           | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                         | 173 |           | 11.646        |               |    |          | ND             |       |
| 117 Isopropylbenzene                  | 105 |           | 11.780        |               |    |          | ND             |       |
| 118 cis-1,4-Dichloro-2-butene         | 88  |           | 11.804        |               |    |          | ND             |       |
| 119 Cyclohexanone                     | 55  |           | 11.829        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr)    | 95  | 11.926    | 11.926        | 0.000         | 93 | 570890   | 8.86           |       |
| 121 1,1,2,2-Tetrachloroethane         | 83  |           | 12.030        |               |    |          | ND             |       |
| 122 Bromobenzene                      | 156 |           | 12.036        |               |    |          | ND             |       |
| 123 trans-1,4-Dichloro-2-butene       | 53  |           | 12.054        |               |    |          | ND             |       |
| 124 1,2,3-Trichloropropane            | 110 |           | 12.073        |               |    |          | ND             |       |
| 125 N-Propylbenzene                   | 91  |           | 12.109        |               |    |          | ND             |       |
| 126 2-Chlorotoluene                   | 126 |           | 12.188        |               |    |          | ND             |       |
| 127 1,3,5-Trimethylbenzene            | 105 |           | 12.249        |               |    |          | ND             |       |
| 128 4-Chlorotoluene                   | 126 |           | 12.280        |               |    |          | ND             |       |
| 129 tert-Butylbenzene                 | 134 |           | 12.493        |               |    |          | ND             |       |
| 130 Pentachloroethane                 | 167 |           | 12.524        |               |    |          | ND             |       |
| 131 1,2,4-Trimethylbenzene            | 105 |           | 12.536        |               |    |          | ND             |       |
| 132 sec-Butylbenzene                  | 105 |           | 12.658        |               |    |          | ND             |       |
| 133 1,3-Dichlorobenzene               | 146 |           | 12.755        |               |    |          | ND             |       |
| 134 4-Isopropyltoluene                | 119 |           | 12.768        |               |    |          | ND             | 7     |
| * 135 1,4-Dichlorobenzene-d4          | 152 | 12.816    | 12.810        | 0.006         | 94 | 727411   | 10.0           |       |

| Compound                             | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | OnCol Amt ug/l | Flags |
|--------------------------------------|-----|-----------|---------------|---------------|---|----------|----------------|-------|
| 136 1,4-Dichlorobenzene              | 146 |           | 12.829        |               |   |          | ND             | 7     |
| 137 1,2,3-Trimethylbenzene           | 120 |           | 12.841        |               |   |          | ND             | 7     |
| 138 Benzyl chloride                  | 126 |           | 12.908        |               |   |          | ND             |       |
| 139 n-Butylbenzene                   | 92  |           | 13.060        |               |   |          | ND             |       |
| 140 1,2-Dichlorobenzene              | 146 |           | 13.091        |               |   |          | ND             |       |
| 141 Hexachloroethane                 | 117 |           | 13.542        |               |   |          | ND             |       |
| 142 1,2-Dibromo-3-Chloropropane      | 155 |           | 13.633        |               |   |          | ND             |       |
| 143 1,3,5-Trichlorobenzene           | 180 |           | 13.761        |               |   |          | ND             |       |
| 144 1,2,4-Trichlorobenzene           | 180 |           | 14.182        |               |   |          | ND             |       |
| 145 Hexachlorobutadiene              | 225 |           | 14.267        |               |   |          | ND             |       |
| 146 Naphthalene                      | 128 |           | 14.359        |               |   |          | ND             |       |
| 147 1,2,3-Trichlorobenzene           | 180 |           | 14.505        |               |   |          | ND             |       |
| 148 Dodecane                         | 57  |           | 0.000         |               |   |          | ND             |       |
| 226 C4-C10                           | 1   |           | 0.000         |               |   |          | ND             |       |
| 227 sec-Butyl Alcohol TIC            | 1   |           | 0.000         |               |   |          | ND             |       |
| 157 t-Amyl alcohol                   | 1   |           | 0.000         |               |   |          | ND             |       |
| 156 p-Diethylbenzene                 | 1   |           | 0.000         |               |   |          | ND             |       |
| 155 2-Methylnaphthalene              | 142 |           | 0.000         |               |   |          | ND             |       |
| 154 1,1-Dichloro-1-fluoroethane      | 1   |           | 0.000         |               |   |          | ND             |       |
| 153 1-Bromo-3-Chloropropane          | 1   |           | 0.000         |               |   |          | ND             |       |
| 152 n-Decane                         | 57  |           | 0.000         |               |   |          | ND             |       |
| 151 1,1-Dichloroacetone              | 1   |           | 0.000         |               |   |          | ND             |       |
| 228 1,1,1,2-Tetrafluoroethane TIC    | 1   |           | 0.000         |               |   |          | ND             |       |
| 158 Methylal                         | 1   |           | 0.000         |               |   |          | ND             |       |
| 236 C5-C12                           | 1   |           | 0.000         |               |   |          | ND             |       |
| 229 C6-C12                           | 1   |           | 0.000         |               |   |          | ND             |       |
| 230 Gasoline (Unleaded)              | 1   |           | 0.000         |               |   |          | ND             |       |
| 231 C6-C10                           | 1   |           | 0.000         |               |   |          | ND             |       |
| 232 Dimethylformamide TIC            | 1   |           | 0.000         |               |   |          | ND             |       |
| 233 3-Pentanone TIC                  | 1   |           | 0.000         |               |   |          | ND             |       |
| 234 Isooctane TIC                    | 1   |           | 0.000         |               |   |          | ND             |       |
| 235 C7-C12                           | 1   |           | 0.000         |               |   |          | ND             |       |
| 159 tert-Butyl Formate               | 1   |           | 0.000         |               |   |          | ND             |       |
| 223 1,1,2-Trifluoroethane TIC        | 1   |           | 0.000         |               |   |          | ND             |       |
| 164 1-Chloropropane                  | 1   |           | 0.000         |               |   |          | ND             |       |
| 218 Fluoromethane TIC                | 1   |           | 0.000         |               |   |          | ND             |       |
| 160 2-Bromo-1-chloropropane          | 1   |           | 0.000         |               |   |          | ND             |       |
| 219 1,1,1-Trifluoro-2,2-dichloroetha | 1   |           | 0.000         |               |   |          | ND             |       |
| 220 1,2-Dichlorofluoroethane TIC     | 1   |           | 0.000         |               |   |          | ND             |       |
| 221 1,1,1-Trichloro-2,2,2-trifluoroe | 1   |           | 0.000         |               |   |          | ND             |       |
| 163 Propene oxide                    | 1   |           | 0.000         |               |   |          | ND             |       |
| 162 Chlorotrifluoroethene            | 1   |           | 0.000         |               |   |          | ND             |       |
| 222 Vinyl Fluoride TIC               | 1   |           | 0.000         |               |   |          | ND             |       |
| 225 1,1-Dichloro-1-fluoroethane TIC  | 1   |           | 0.000         |               |   |          | ND             |       |
| 213 Chlorofluoromethane TIC          | 1   |           | 0.000         |               |   |          | ND             |       |
| 161 Pentane                          | 43  |           | 0.000         |               |   |          | ND             |       |
| 237 C4-C12                           | 1   |           | 0.000         |               |   |          | ND             |       |
| 214 Dichloro-1,1,2,2-tetrafluoroetha | 1   |           | 0.000         |               |   |          | ND             |       |
| 215 1-Chloro-1,1-difluoroethane TIC  | 1   |           | 0.000         |               |   |          | ND             |       |
| 216 Ethyl ether TIC                  | 1   |           | 0.000         |               |   |          | ND             |       |
| 217 Freon 115 TIC                    | 1   |           | 0.000         |               |   |          | ND             |       |
| 165 Isopropyl alcohol                | 45  |           | 0.000         |               |   |          | ND             |       |

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D

| Compound                           | Sig | RT<br>(min.) | Exp RT<br>(min.) | Dlt RT<br>(min.) | Q | Response | OnCol Amt<br>ug/l | Flags |
|------------------------------------|-----|--------------|------------------|------------------|---|----------|-------------------|-------|
| 150 2-ethoxy-2-methyl butane       | 1   |              | 0.000            |                  |   |          | ND                |       |
| 149 2-Chloro-1,1,1-Trifluoroethane | 1   |              | 0.000            |                  |   |          | ND                |       |
| 166 Ethanol                        | 45  |              | 3.269            |                  |   |          | ND                |       |

### QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

### Reagents:

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D

Injection Date: 03-Jul-2025 13:50:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-6

Lab Sample ID: 410-229793-6

Worklist Smp#: 16

Client ID: HD-COD-SW-15-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

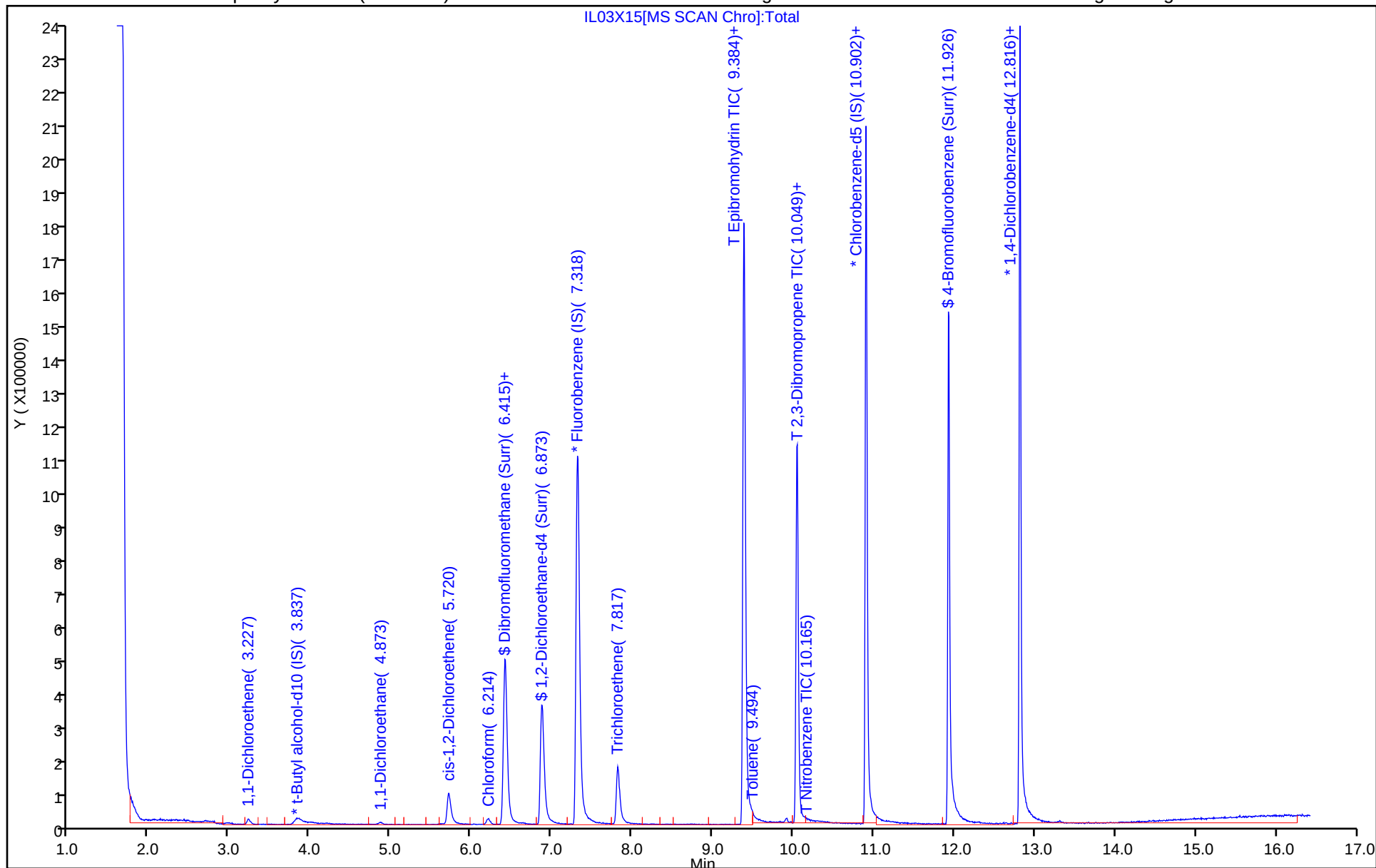
ALS Bottle#: 15

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1





Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D  
Lims ID: 410-229793-A-6  
Client ID: HD-COD-SW-15-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 13:50:30 ALS Bottle#: 15 Worklist Smp#: 16  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-016  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:24:59

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.3             | 113.19 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.1             | 110.80 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.79             | 97.87  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 8.86             | 88.59  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D

Injection Date: 03-Jul-2025 13:50:30

Instrument ID: 19930

Lims ID: 410-229793-A-6

Lab Sample ID: 410-229793-6

Client ID: HD-COD-SW-15-0/1-0

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

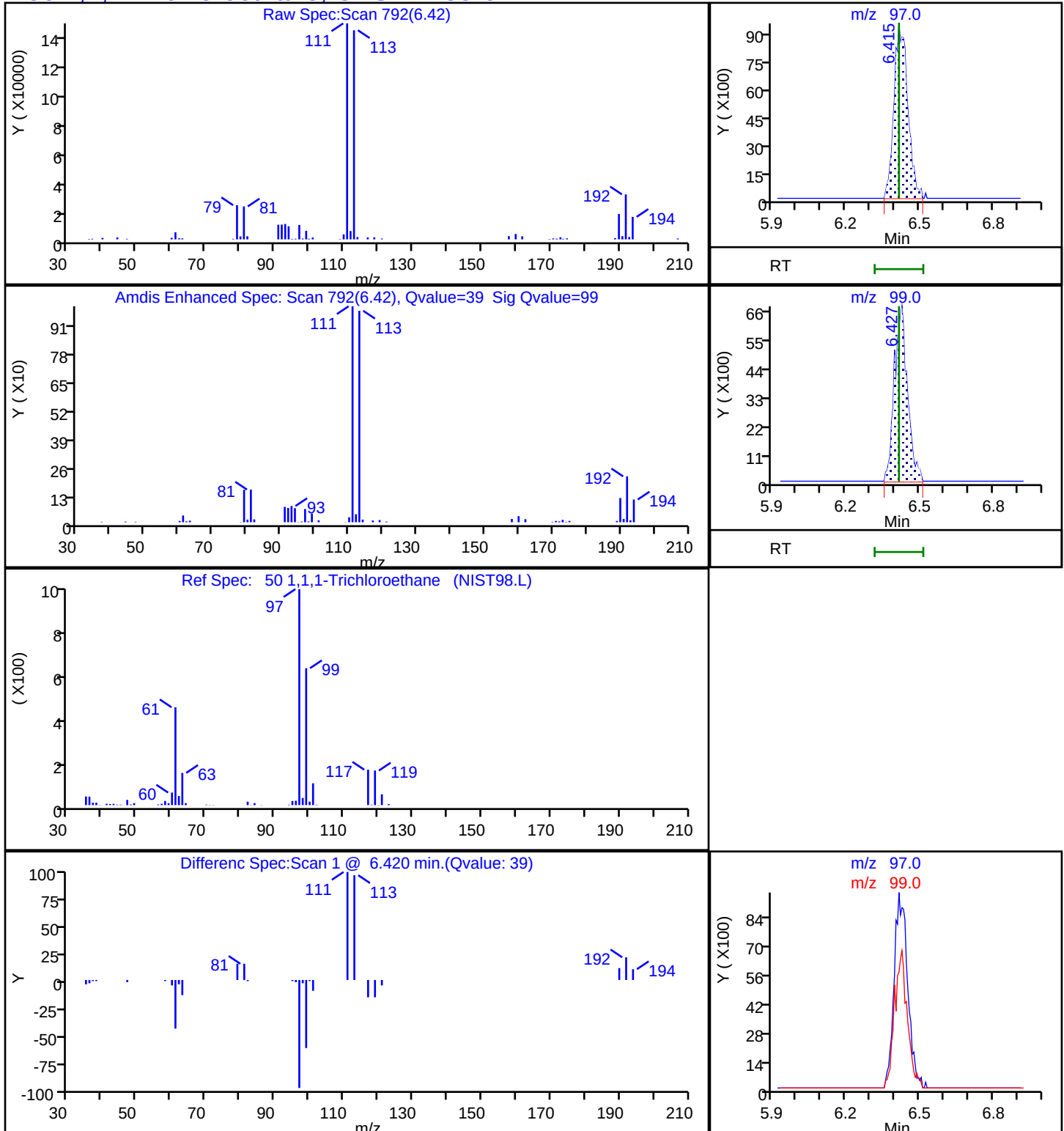
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**50 1,1,1-Trichloroethane, CAS: 71-55-6**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D

Injection Date: 03-Jul-2025 13:50:30

Instrument ID: 19930

Lims ID: 410-229793-A-6

Lab Sample ID: 410-229793-6

Client ID: HD-COD-SW-15-0/1-0

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

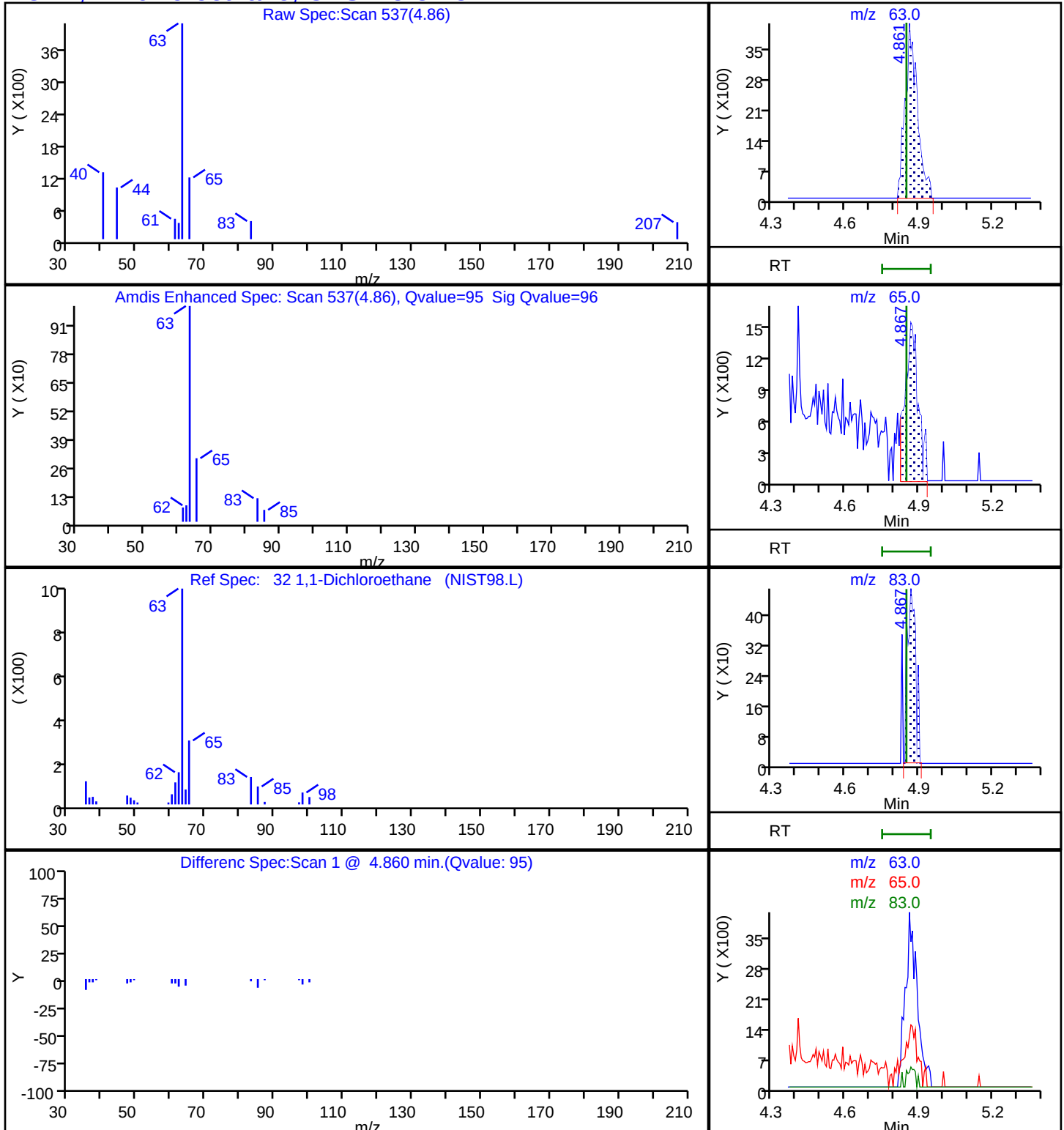
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**32 1,1-Dichloroethane, CAS: 75-34-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D

Injection Date: 03-Jul-2025 13:50:30

Instrument ID: 19930

Lims ID: 410-229793-A-6

Lab Sample ID: 410-229793-6

Client ID: HD-COD-SW-15-0/1-0

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

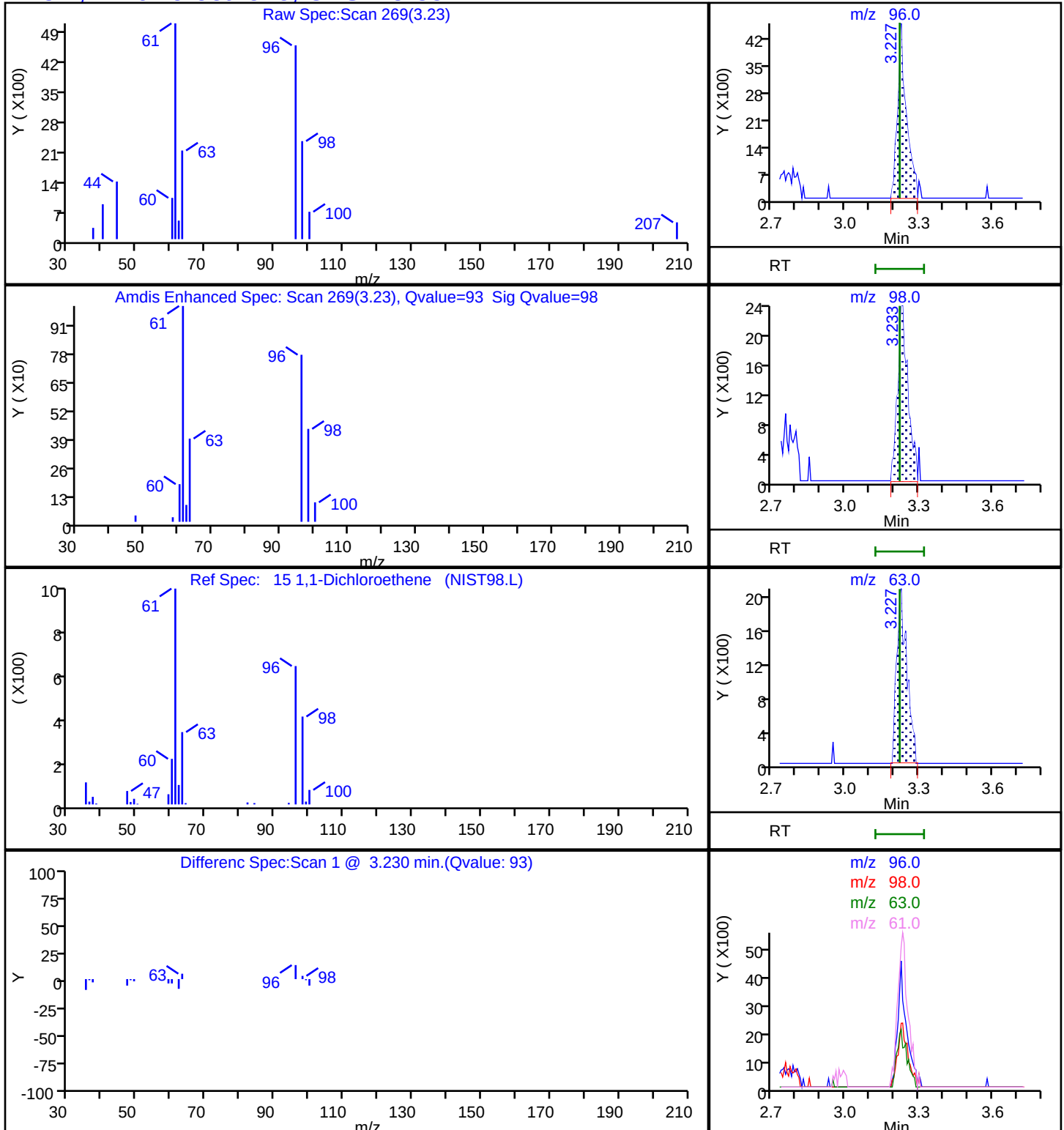
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**15 1,1-Dichloroethene, CAS: 75-35-4**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D

Injection Date: 03-Jul-2025 13:50:30

Instrument ID: 19930

Lims ID: 410-229793-A-6

Lab Sample ID: 410-229793-6

Client ID: HD-COD-SW-15-0/1-0

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

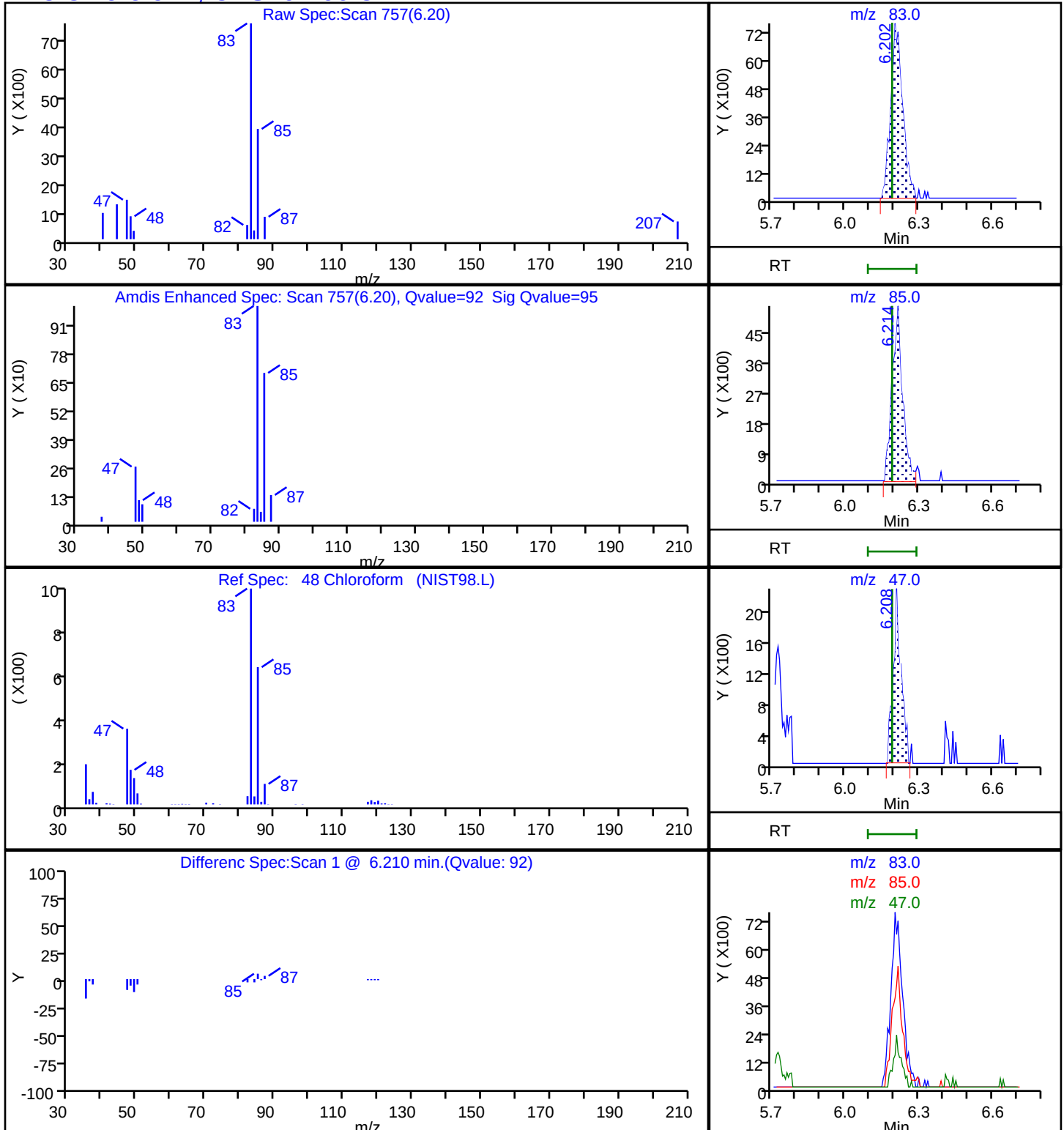
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

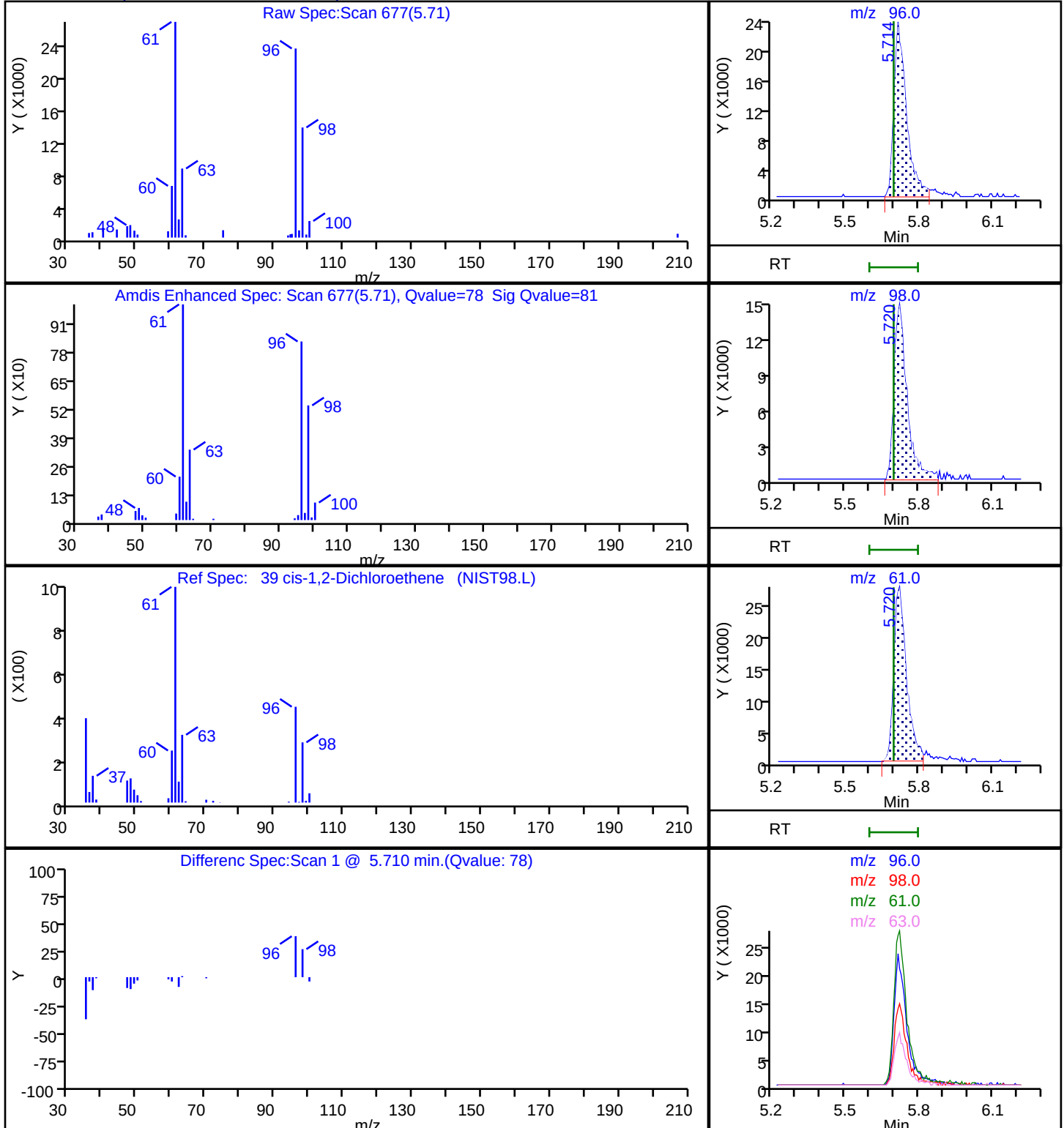
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**48 Chloroform, CAS: 67-66-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D  
Injection Date: 03-Jul-2025 13:50:30 Instrument ID: 19930  
Lims ID: 410-229793-A-6 Lab Sample ID: 410-229793-6  
Client ID: HD-COD-SW-15-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 15 Worklist Smp#: 16  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D

Injection Date: 03-Jul-2025 13:50:30

Instrument ID: 19930

Lims ID: 410-229793-A-6

Lab Sample ID: 410-229793-6

Client ID: HD-COD-SW-15-0/1-0

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

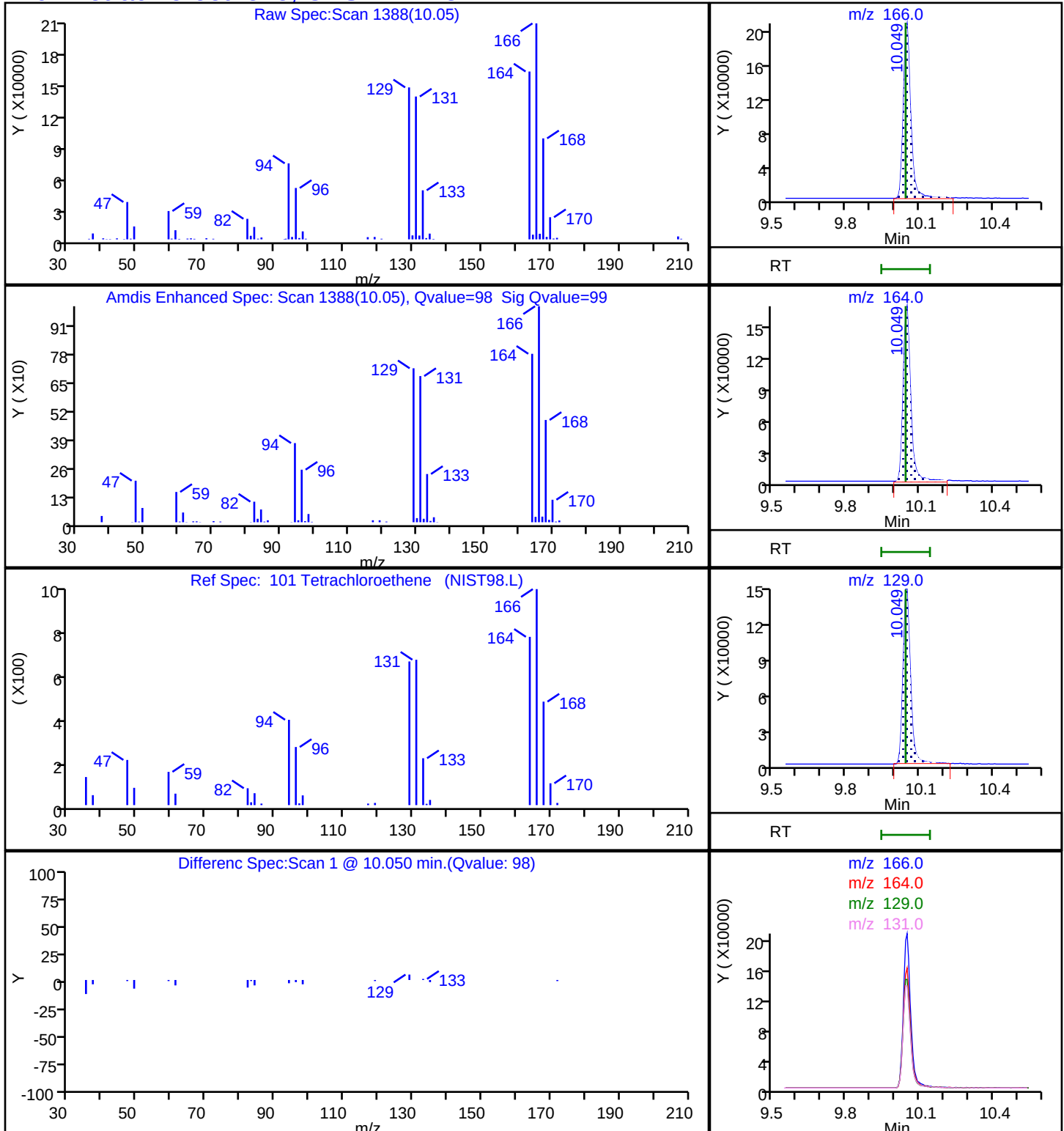
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X15.D

Injection Date: 03-Jul-2025 13:50:30

Instrument ID: 19930

Lims ID: 410-229793-A-6

Lab Sample ID: 410-229793-6

Client ID: HD-COD-SW-15-0/1-0

Operator ID: ecr105096

ALS Bottle#: 15

Worklist Smp#: 16

Purge Vol: 25.000 mL

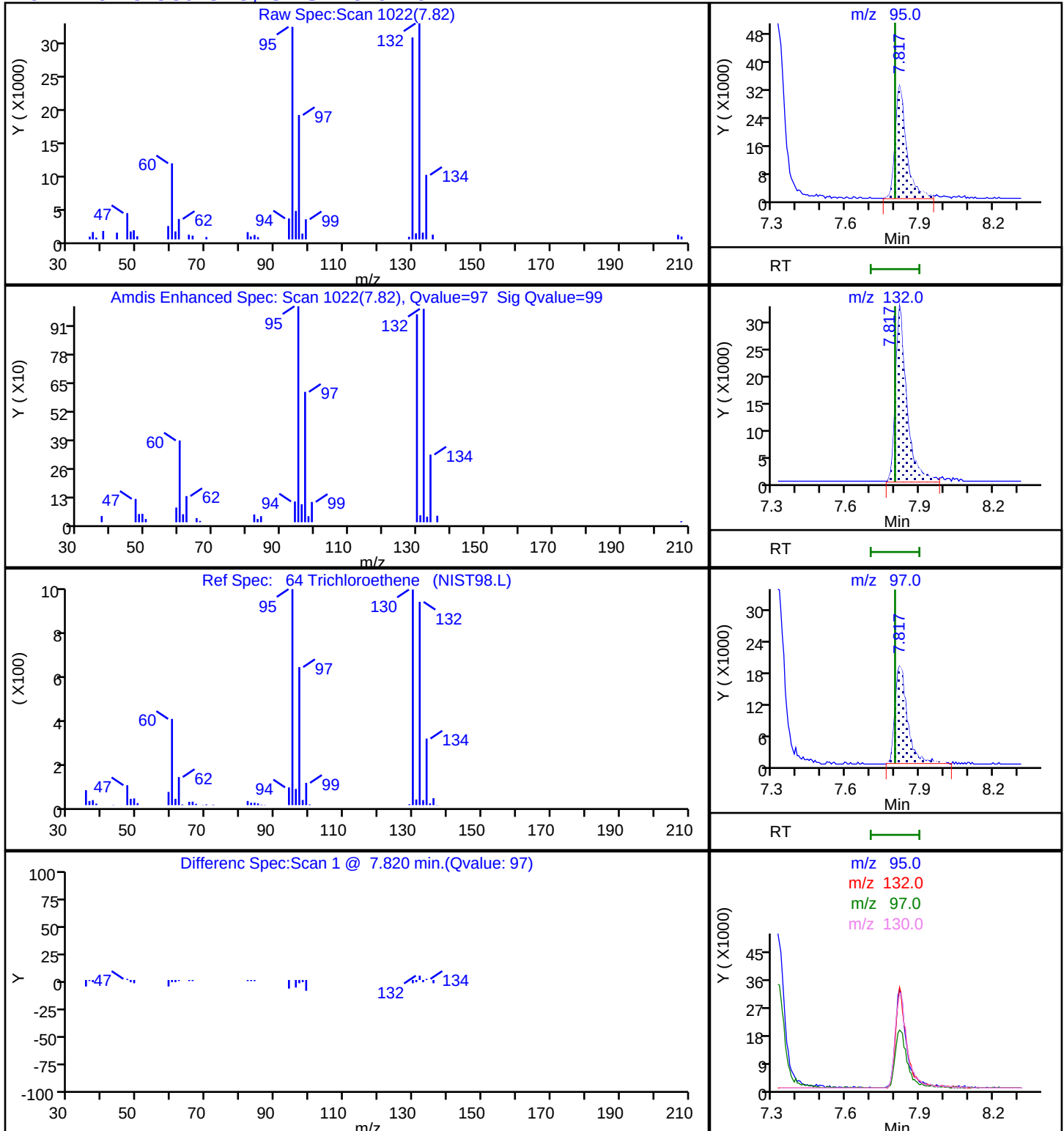
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**64 Trichloroethene, CAS: 79-01-6**



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-16-0/1-0

Lab Sample ID: 410-229793-7

Matrix: Water

Lab File ID: IL03X19.D

Analysis Method: 8260D

Date Collected: 06/25/2025 06:45

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 15:11

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | 0.16   | J     | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     |       | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | ND     |       | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 0.16   | J     | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | 2.4    |       | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-16-0/1-0      Lab Sample ID: 410-229793-7

Matrix: Water      Lab File ID: IL03X19.D

Analysis Method: 8260D      Date Collected: 06/25/2025 06:45

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 15:11

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 0.082  | J | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 0.14   | J | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 111  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 91   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 108  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 99   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X19.D  
 Lims ID: 410-229793-A-7  
 Client ID: HD-COD-SW-16-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 15:11:30 ALS Bottle#: 19 Worklist Smp#: 19  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-019  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:28:10

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  | 1.989     | 1.983         | 0.006         | 1  | 5040     | 0.0516         |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             | 7     |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             | 7     |
| 16 Acetone                         | 43  | 3.300     | 3.239         | 0.061         | 63 | 12082    | 1.08           |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.837     | 3.830         | 0.006         | 22 | 169894   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.732     | 5.696         | 0.036         | 74 | 10618    | 0.1573         |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.202     | 6.190         | 0.012         | 91 | 10121    | 0.0855         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 94 | 517995   | 10.8           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.421     | 6.415         | 0.006         | 36 | 15963    | 0.1575         |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.879     | 6.866         | 0.013         | 62 | 108350   | 11.1           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.318     | 7.317         | 0.001         | 99 | 1946003  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.824     | 7.799         | 0.025         | 95 | 9684     | 0.1360         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 94 | 1915800  | 9.91           |       |
| 79 Toluene                         | 92  | 9.470     | 9.463         | 0.007         | 98 | 13915    | 0.0817         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.049    | 10.043        | 0.006         | 97 | 199701   | 2.41           |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             | 7     |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1466797  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             | 7     |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 646705   | 9.14           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 810959   | 10.0           |       |

**QC Flag Legend**

Processing Flags

7 - Failed Limit of Detection

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jul-2025 12:28:11

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X19.D

Injection Date: 03-Jul-2025 15:11:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-7

Lab Sample ID: 410-229793-7

Worklist Smp#: 19

Client ID: HD-COD-SW-16-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

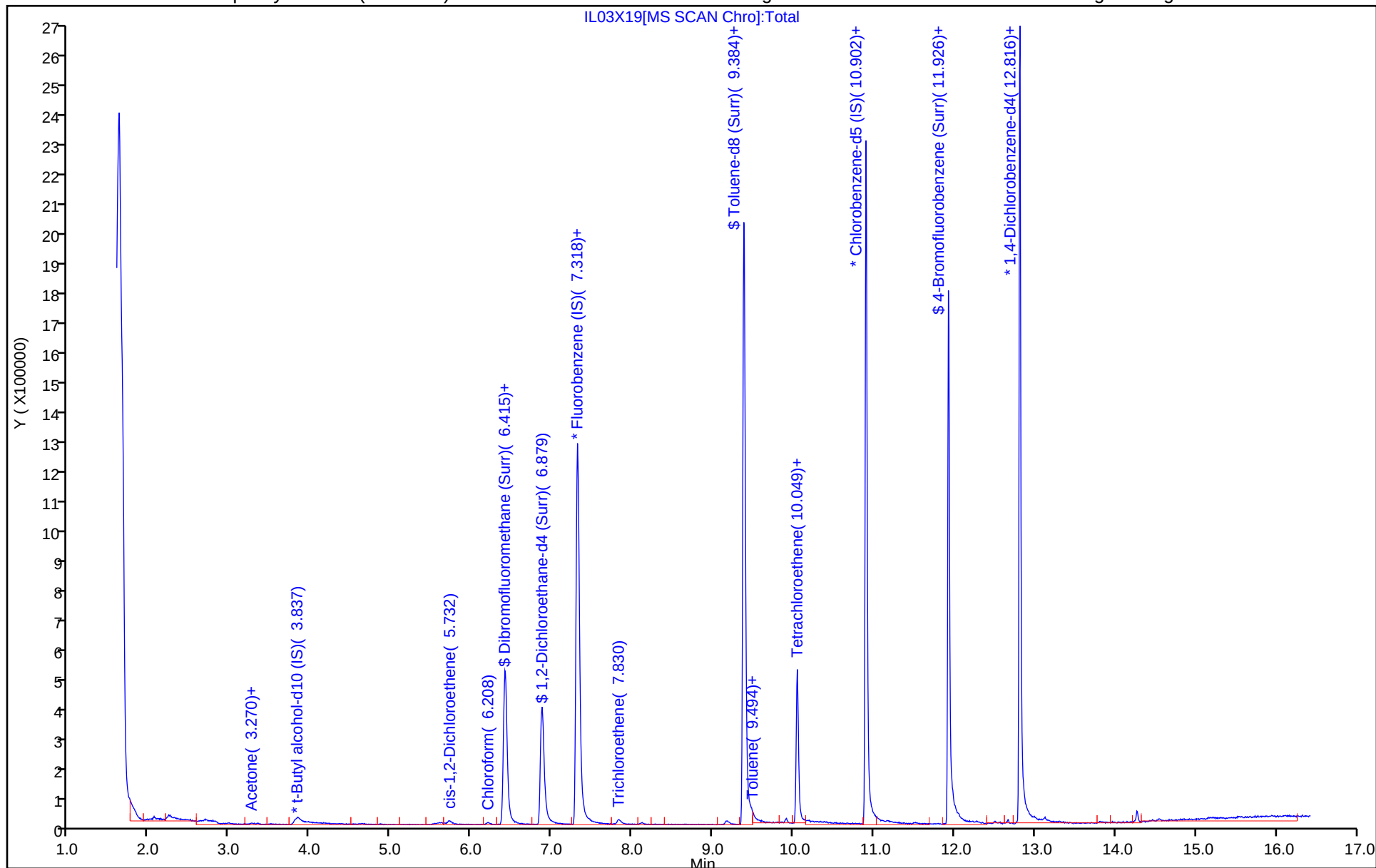
ALS Bottle#: 19

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X19.D  
Lims ID: 410-229793-A-7  
Client ID: HD-COD-SW-16-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 15:11:30 ALS Bottle#: 19 Worklist Smp#: 19  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-019  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:28:10

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.8             | 107.76 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.1             | 111.15 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.91             | 99.14  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.14             | 91.38  |

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X19.D

Injection Date: 03-Jul-2025 15:11:30

Instrument ID: 19930

Lims ID: 410-229793-A-7

Lab Sample ID: 410-229793-7

Client ID: HD-COD-SW-16-0/1-0

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 25.000 mL

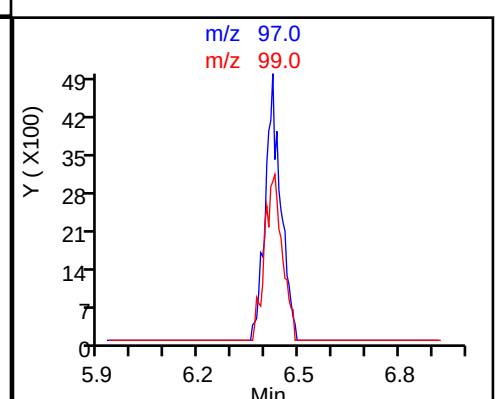
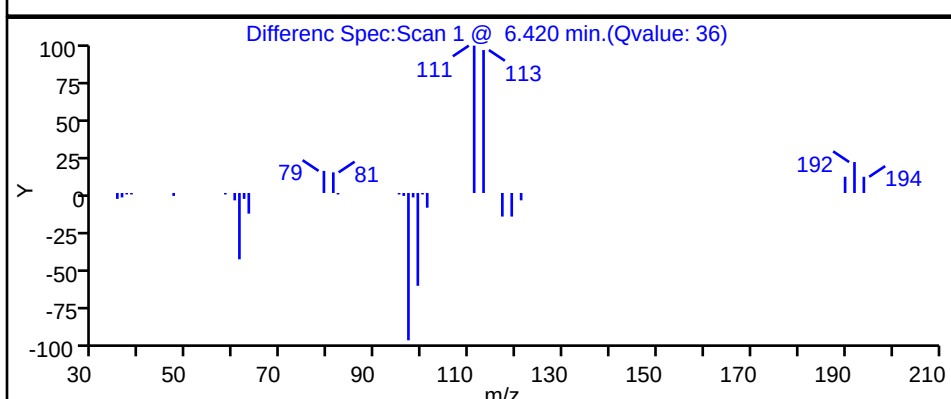
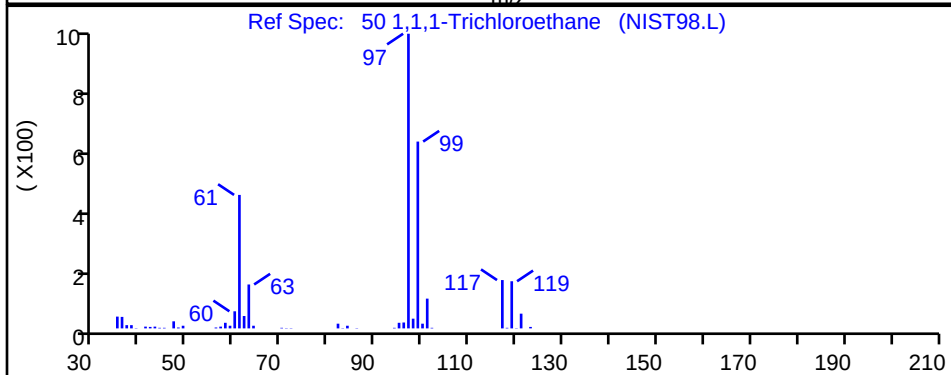
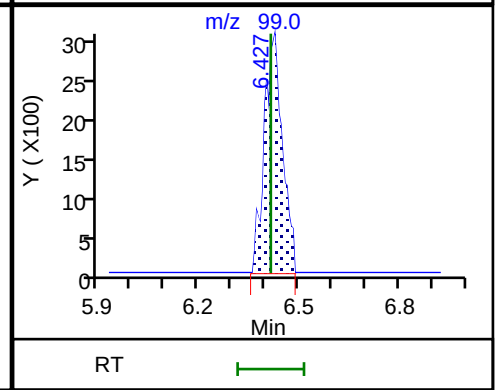
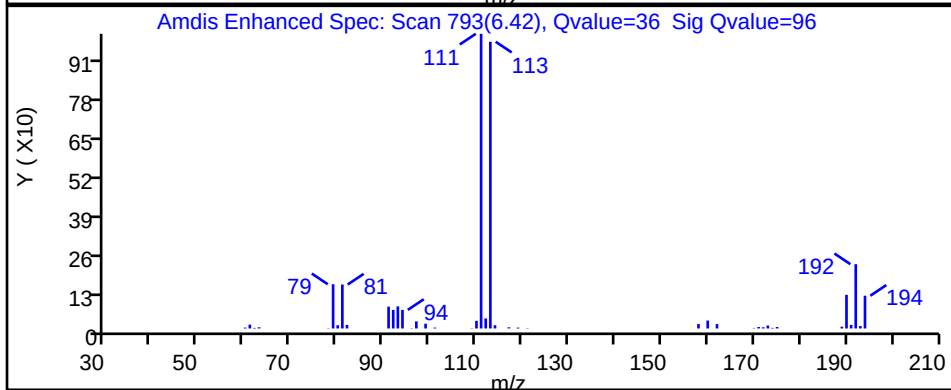
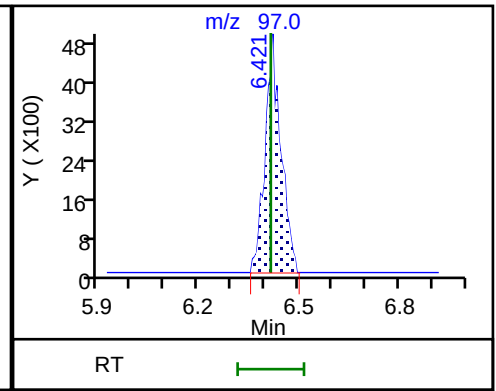
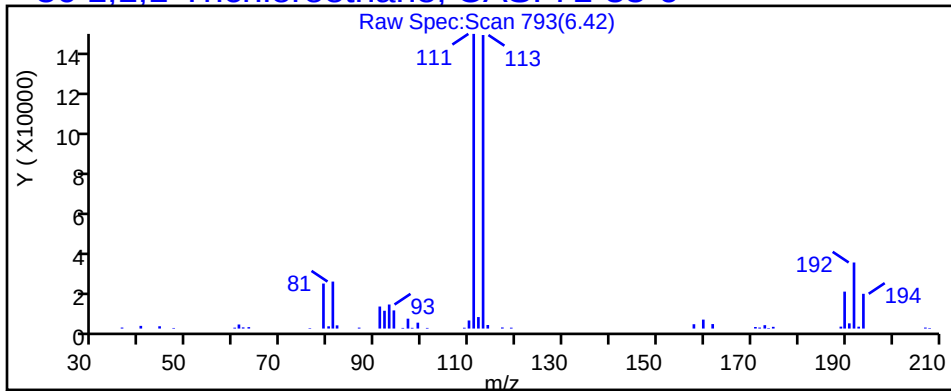
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**50 1,1,1-Trichloroethane, CAS: 71-55-6**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X19.D

Injection Date: 03-Jul-2025 15:11:30

Instrument ID: 19930

Lims ID: 410-229793-A-7

Lab Sample ID: 410-229793-7

Client ID: HD-COD-SW-16-0/1-0

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 25.000 mL

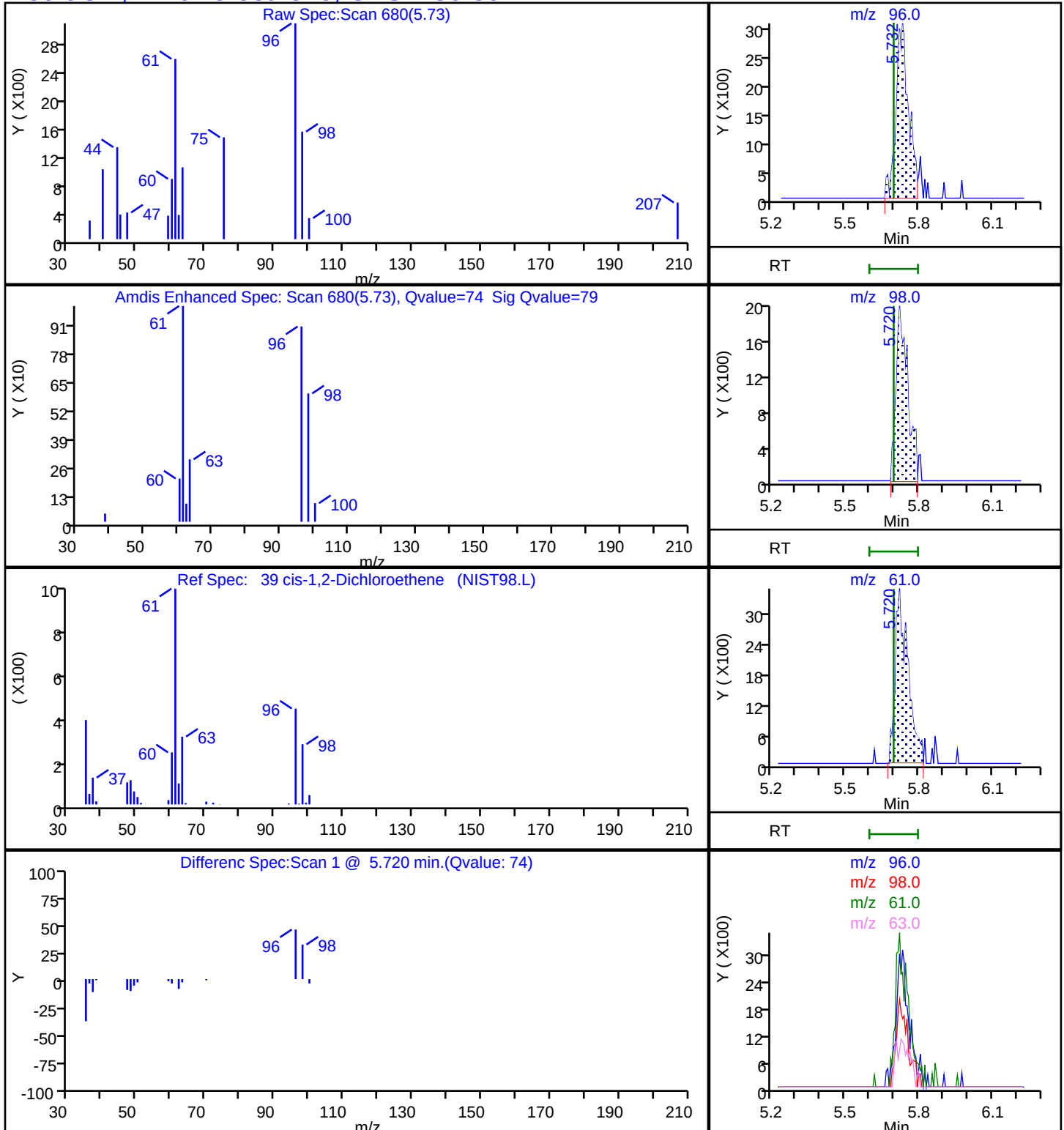
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**



## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\1L03X19.D

Injection Date: 03-Jul-2025 15:11:30

Instrument ID: 19930

Lims ID: 410-229793-A-7

Lab Sample ID: 410-229793-7

Client ID: HD-COD-SW-16-0/1-0

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 25.000 mL

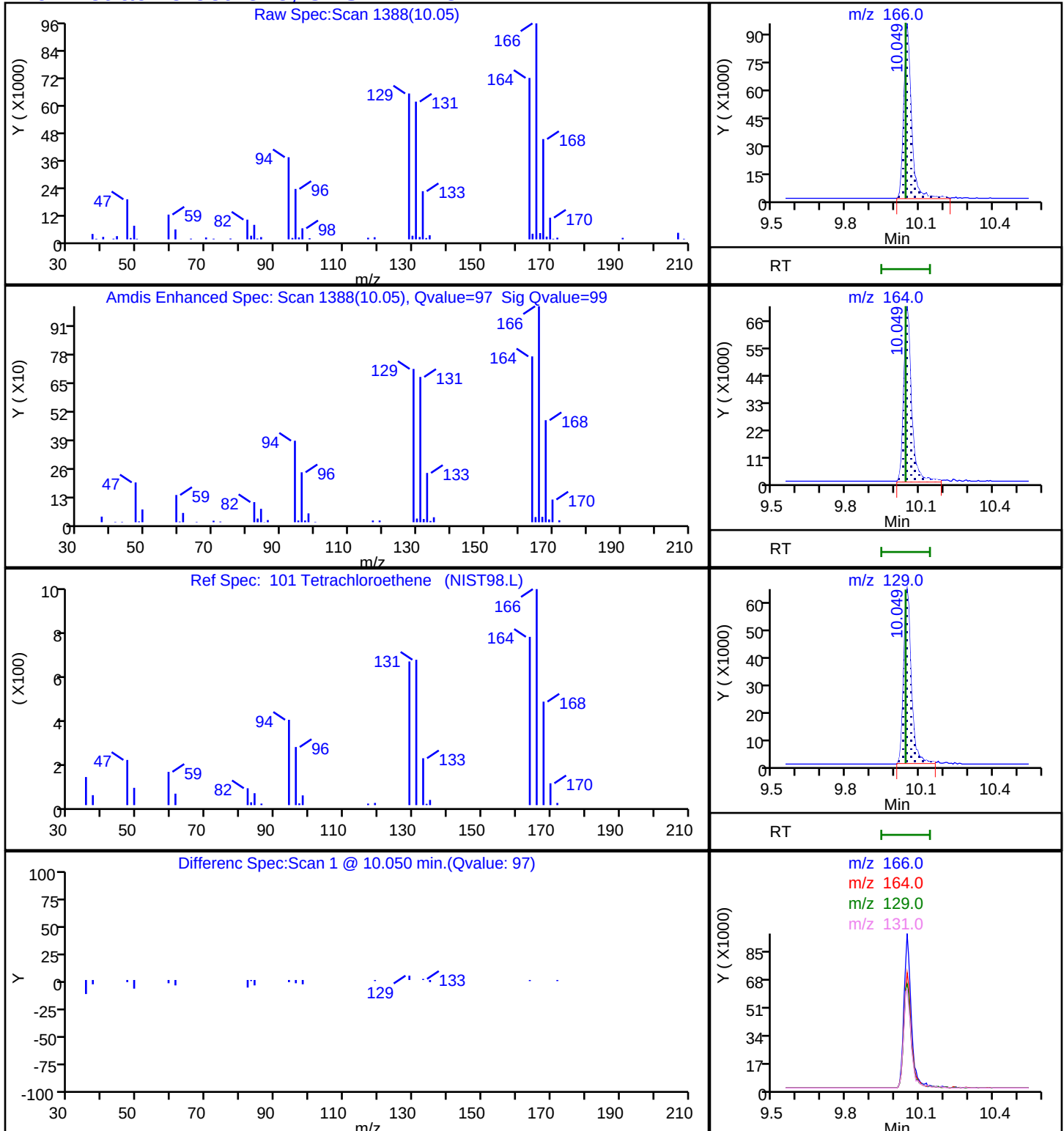
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X19.D

Injection Date: 03-Jul-2025 15:11:30

Instrument ID: 19930

Lims ID: 410-229793-A-7

Lab Sample ID: 410-229793-7

Client ID: HD-COD-SW-16-0/1-0

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 25.000 mL

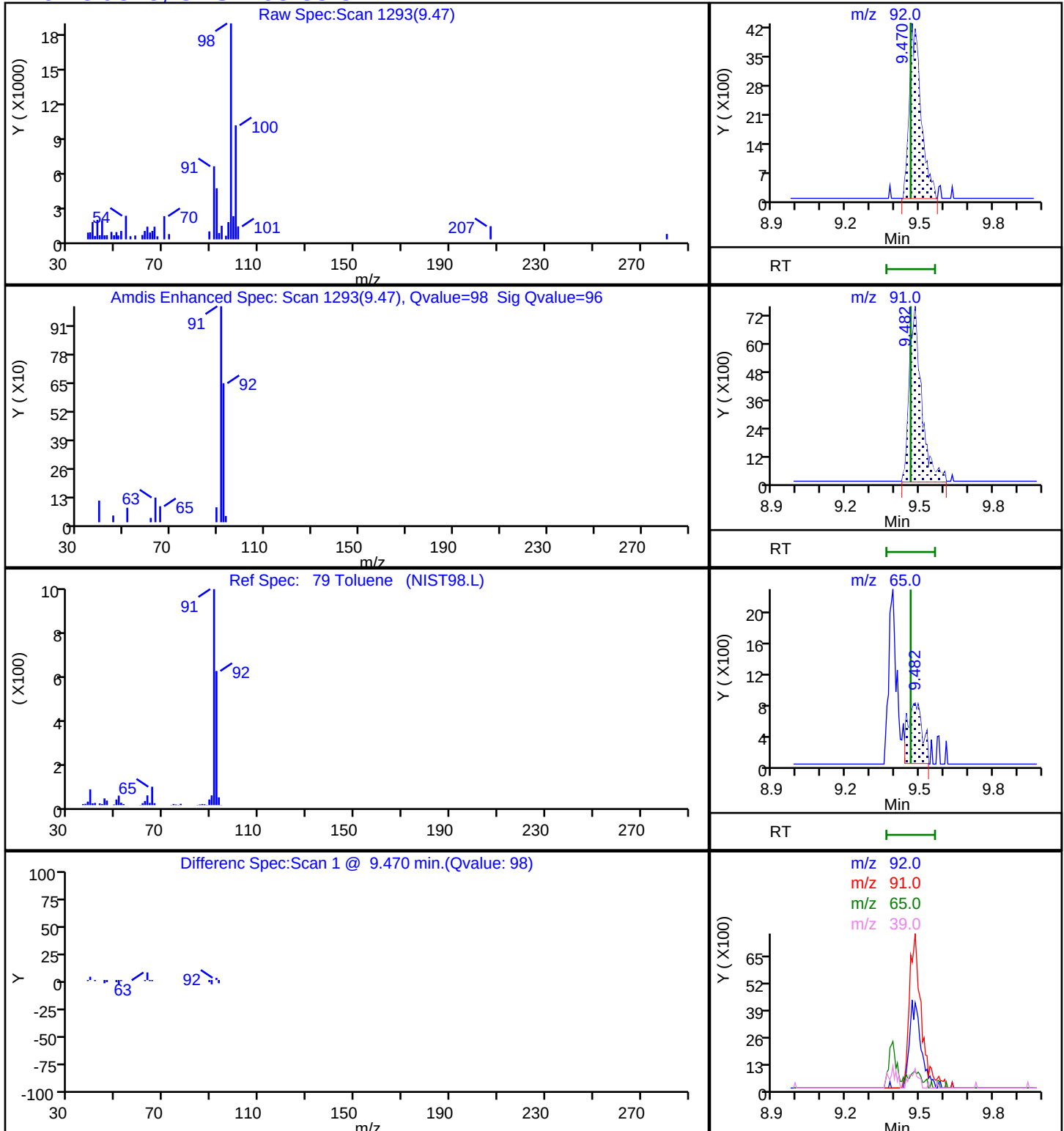
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

**79 Toluene, CAS: 108-88-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X19.D

Injection Date: 03-Jul-2025 15:11:30

Instrument ID: 19930

Lims ID: 410-229793-A-7

Lab Sample ID: 410-229793-7

Client ID: HD-COD-SW-16-0/1-0

Operator ID: ecr105096

ALS Bottle#: 19

Worklist Smp#: 19

Purge Vol: 25.000 mL

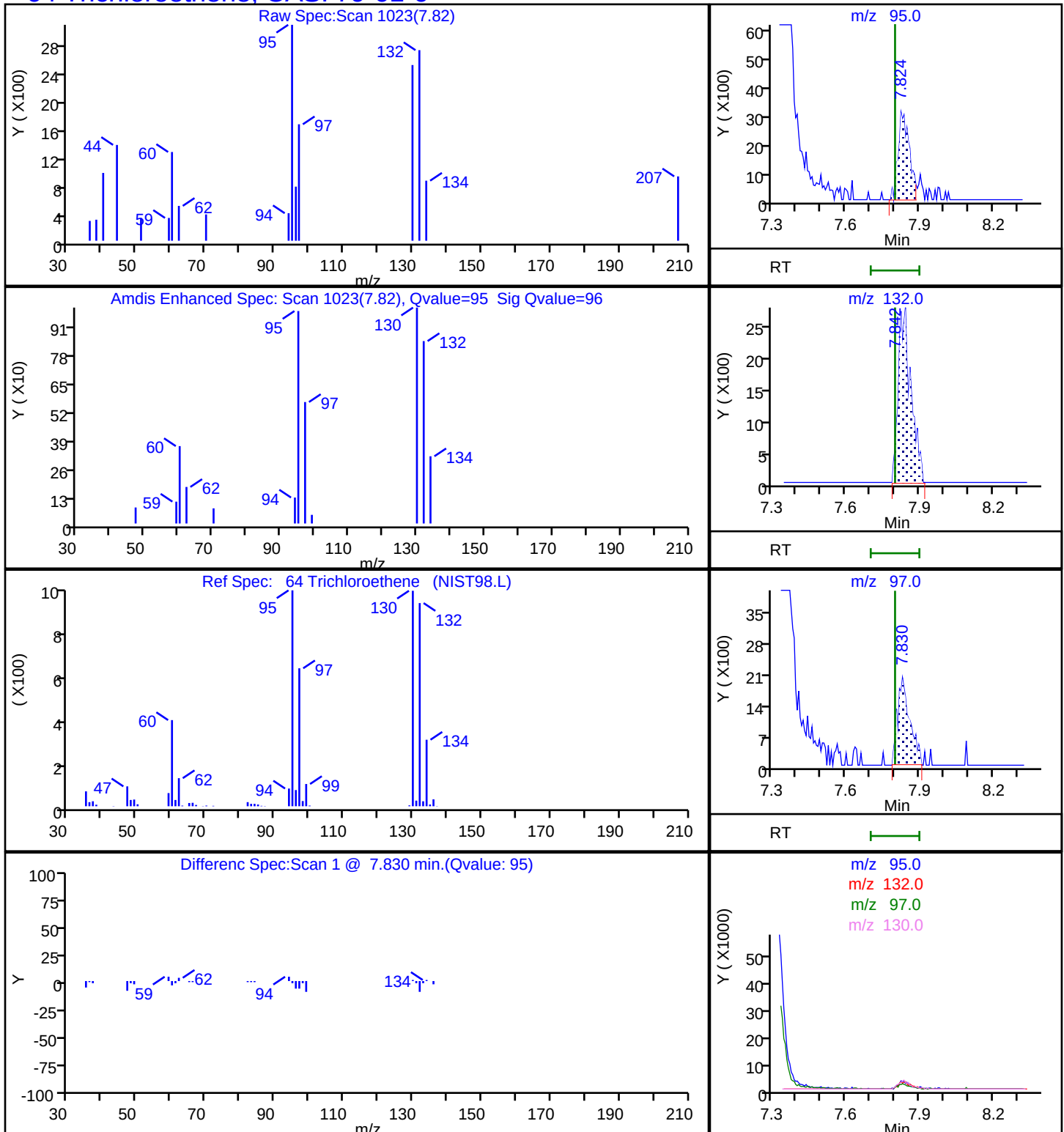
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

**64 Trichloroethene, CAS: 79-01-6**

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0

Lab Sample ID: 410-229793-8

Matrix: Water

Lab File ID: IL03X24.D

Analysis Method: 8260D

Date Collected: 06/25/2025 06:57

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 16:53

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | 10     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | 1.7    |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | 0.77   |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     |       | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 0.18   | J     | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 2.4    |       | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 108-88-3   | Toluene                     | ND     |       | 0.50 | 0.080 |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| Lab Name: Eurofins Lancaster Laboratories<br>Environment Testing, LLC | Job No.: 410-229793-1                   |
| SDG No.:                                                              |                                         |
| Client Sample ID: HD-COD-SW-17-0/1-0                                  | Lab Sample ID: 410-229793-8             |
| Matrix: Water                                                         | Lab File ID: IL03X24.D                  |
| Analysis Method: 8260D                                                | Date Collected: 06/25/2025 06:57        |
| Sample wt/vol: 25 (mL)                                                | Date Analyzed: 07/03/2025 16:53         |
| Soil Aliquot Vol:                                                     | Dilution Factor: 1                      |
| Soil Extract Vol.:                                                    | GC Column: R-624SilMS 30m ID: 0.25 (mm) |
| Purge Volume: 25.0 (mL)                                               | Heated Purge: (Y/N) N pH:               |
| % Moisture:            % Solids:                                      | Level: (low/med) Low                    |
| Analysis Batch No.: 666534                                            | Units: ug/L                             |
| Preparation Batch No.:                                                | Instrument ID: 19930                    |

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 3.7    |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 114  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 91   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 109  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 95   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X24.D  
 Lims ID: 410-229793-A-8  
 Client ID: HD-COD-SW-17-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 16:53:30 ALS Bottle#: 24 Worklist Smp#: 24  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-024  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:29:33 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:32:03

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  |           | 1.983         |               |    |          | ND             | 7     |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             | 7     |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             |       |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  | 3.233     | 3.221         | 0.012         | 97 | 46010    | 0.7713         |       |
| 16 Acetone                         | 43  |           | 3.239         |               |    |          | ND             | 7     |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.849     | 3.830         | 0.019         | 23 | 168736   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             | 7     |
| 30 trans-1,2-Dichloroethene        | 96  | 4.233     | 4.196         | 0.037         | 47 | 2664     | 0.0402         |       |
| 32 1,1-Dichloroethane              | 63  | 4.861     | 4.848         | 0.013         | 96 | 218023   | 1.71           |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.714     | 5.696         | 0.018         | 79 | 175684   | 2.38           |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.208     | 6.190         | 0.018         | 93 | 23411    | 0.1805         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 70 | 574567   | 10.9           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.421     | 6.415         | 0.006         | 98 | 1164969  | 10.5           |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             | 7     |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.878     | 6.866         | 0.012         | 62 | 121894   | 11.4           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             | 7     |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 99 | 2131712  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.817     | 7.799         | 0.018         | 97 | 290835   | 3.73           |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 94 | 2121030  | 9.46           |       |
| 79 Toluene                         | 92  | 9.475     | 9.463         | 0.012         | 96 | 6145     | 0.0311         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.957     | 9.951         | 0.006         | 1  | 1909     | 0.0324         |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.042    | 10.043        | -0.001        | 97 | 14917803 | 155.0          | E     |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             | 7     |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1702625  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             | 7     |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 93 | 744317   | 9.06           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 908876   | 10.0           |       |

**QC Flag Legend**

## Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X24.D

Injection Date: 03-Jul-2025 16:53:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-8

Lab Sample ID: 410-229793-8

Worklist Smp#: 24

Client ID: HD-COD-SW-17-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

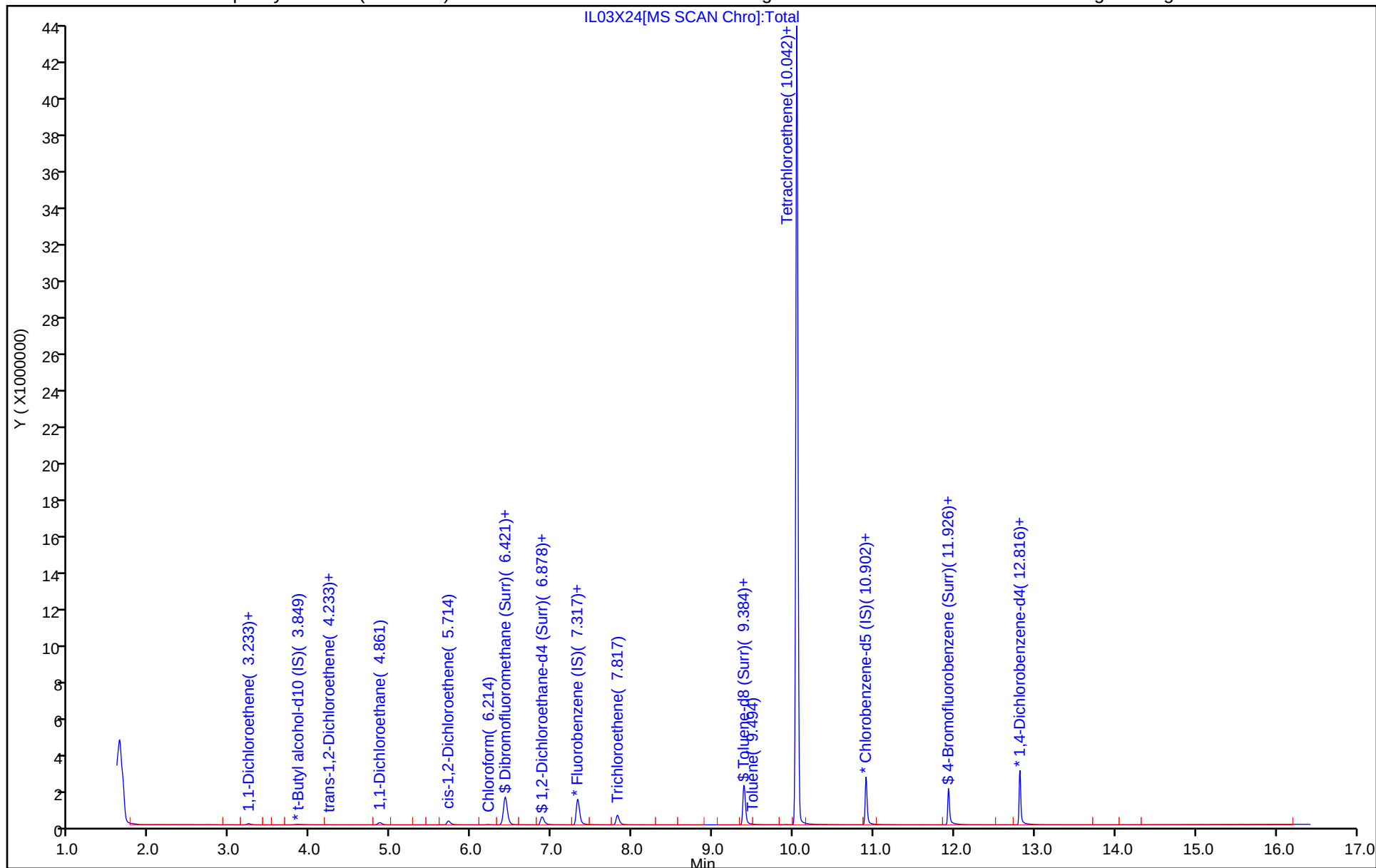
ALS Bottle#: 24

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1





Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X24.D  
Lims ID: 410-229793-A-8  
Client ID: HD-COD-SW-17-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 16:53:30 ALS Bottle#: 24 Worklist Smp#: 24  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-024  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:29:33 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:32:03

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.9             | 109.11 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.4             | 114.16 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.46             | 94.56  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.06             | 90.61  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X24.D

Injection Date: 03-Jul-2025 16:53:30

Instrument ID: 19930

Lims ID: 410-229793-A-8

Lab Sample ID: 410-229793-8

Client ID: HD-COD-SW-17-0/1-0

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 24

Purge Vol: 25.000 mL

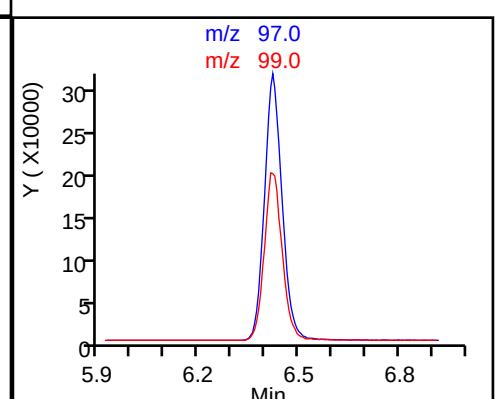
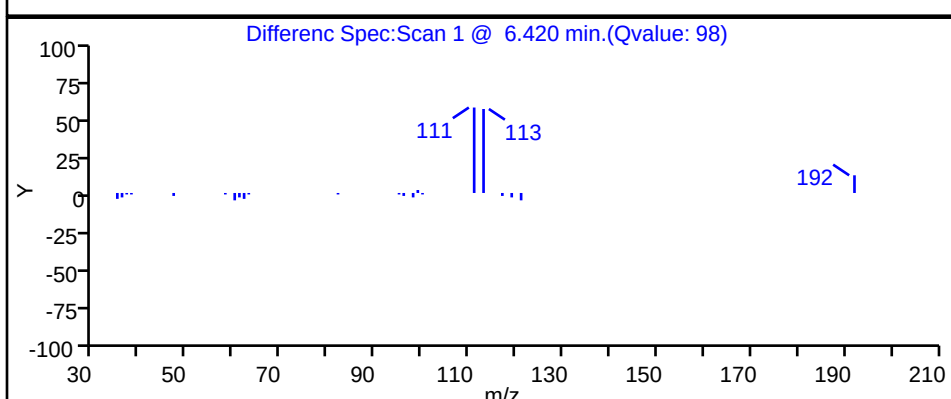
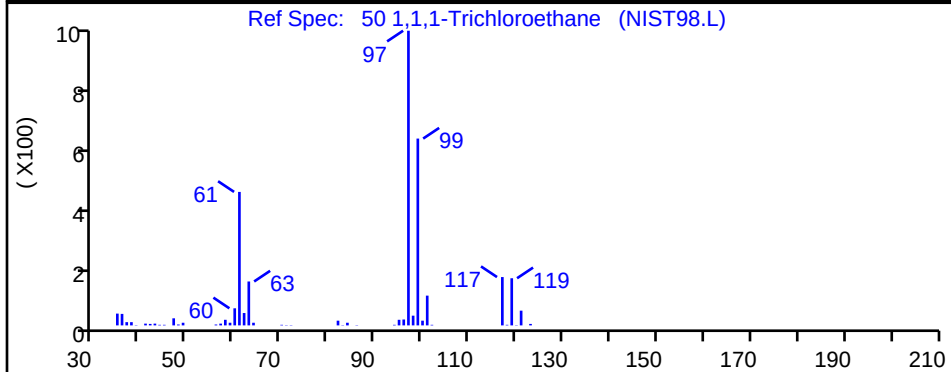
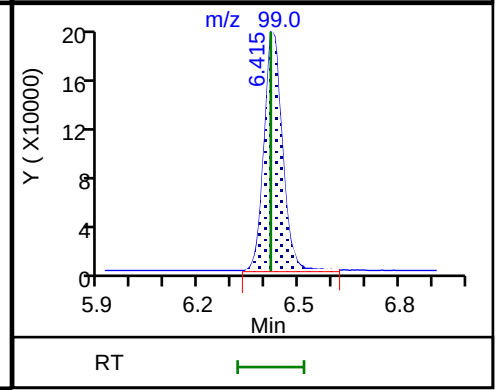
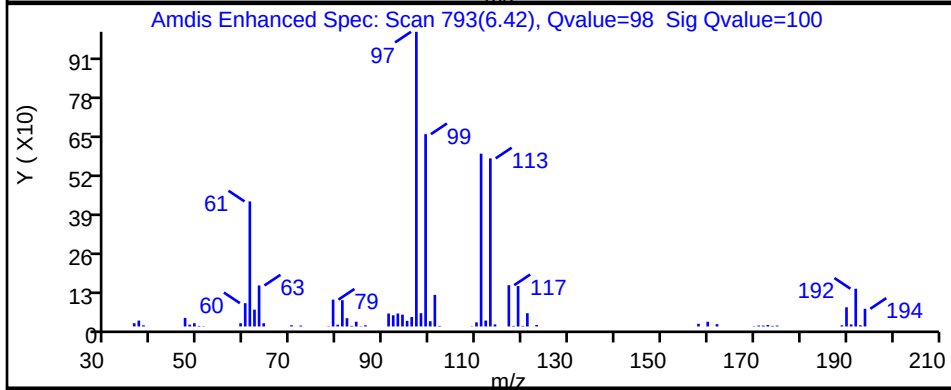
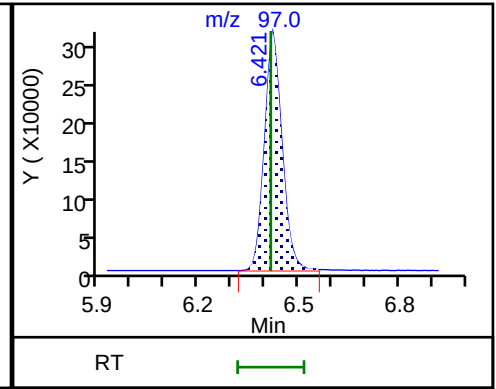
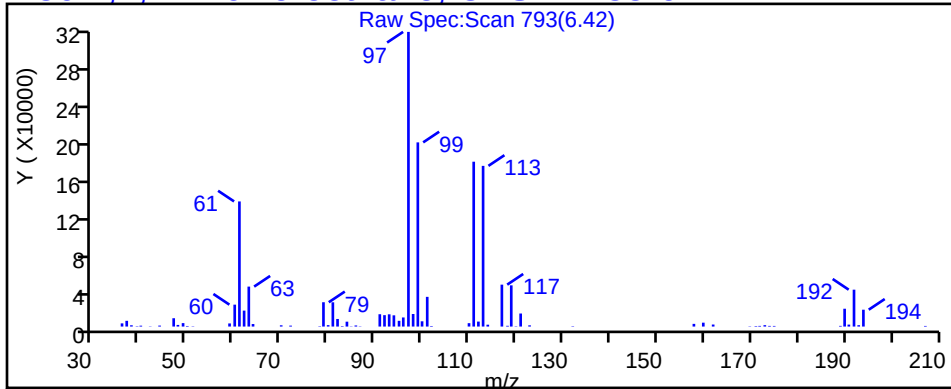
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

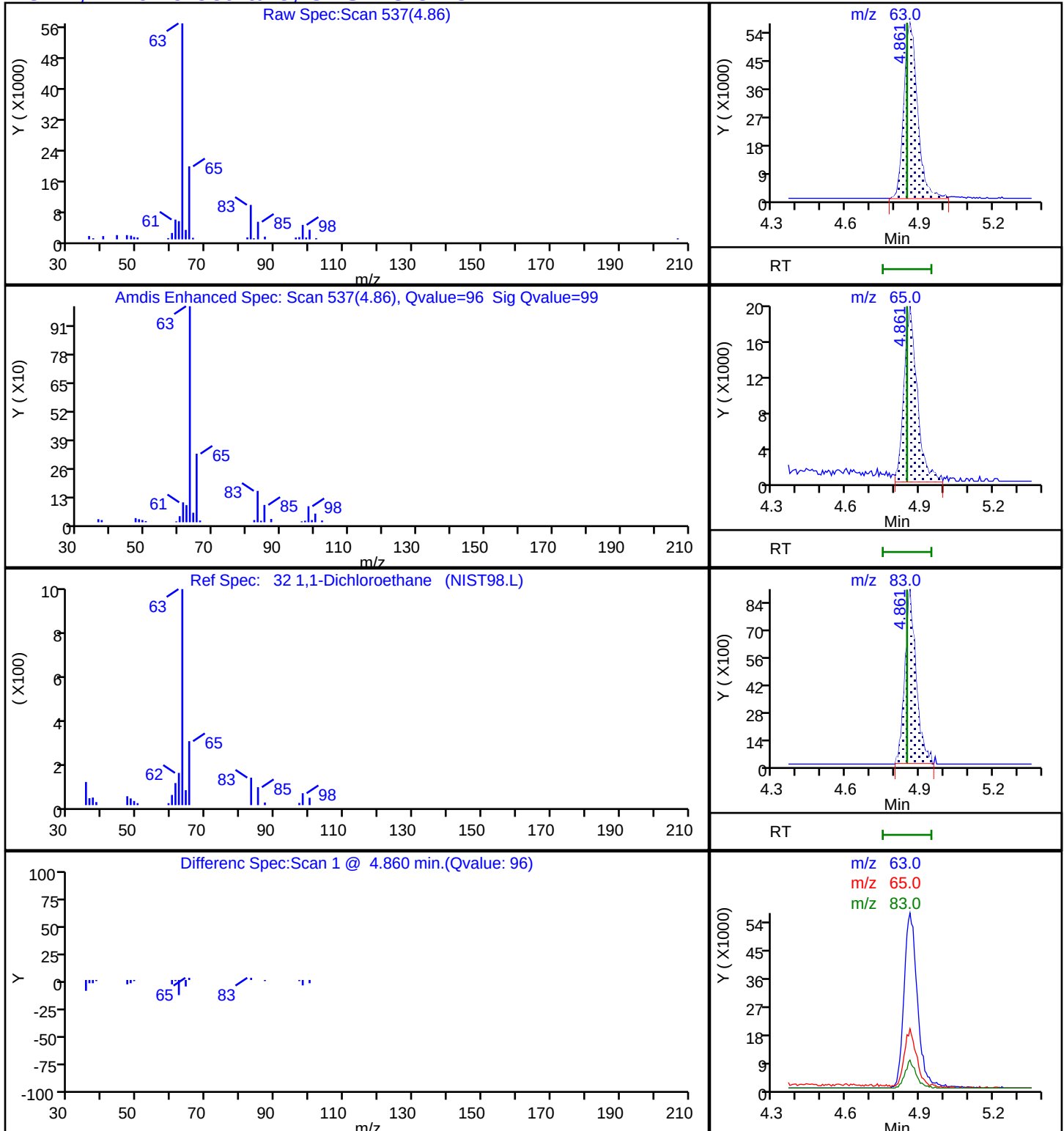
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**50 1,1,1-Trichloroethane, CAS: 71-55-6**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X24.D  
Injection Date: 03-Jul-2025 16:53:30 Instrument ID: 19930  
Lims ID: 410-229793-A-8 Lab Sample ID: 410-229793-8  
Client ID: HD-COD-SW-17-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 24  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

**32 1,1-Dichloroethane, CAS: 75-34-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X24.D

Injection Date: 03-Jul-2025 16:53:30

Instrument ID: 19930

Lims ID: 410-229793-A-8

Lab Sample ID: 410-229793-8

Client ID: HD-COD-SW-17-0/1-0

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 24

Purge Vol: 25.000 mL

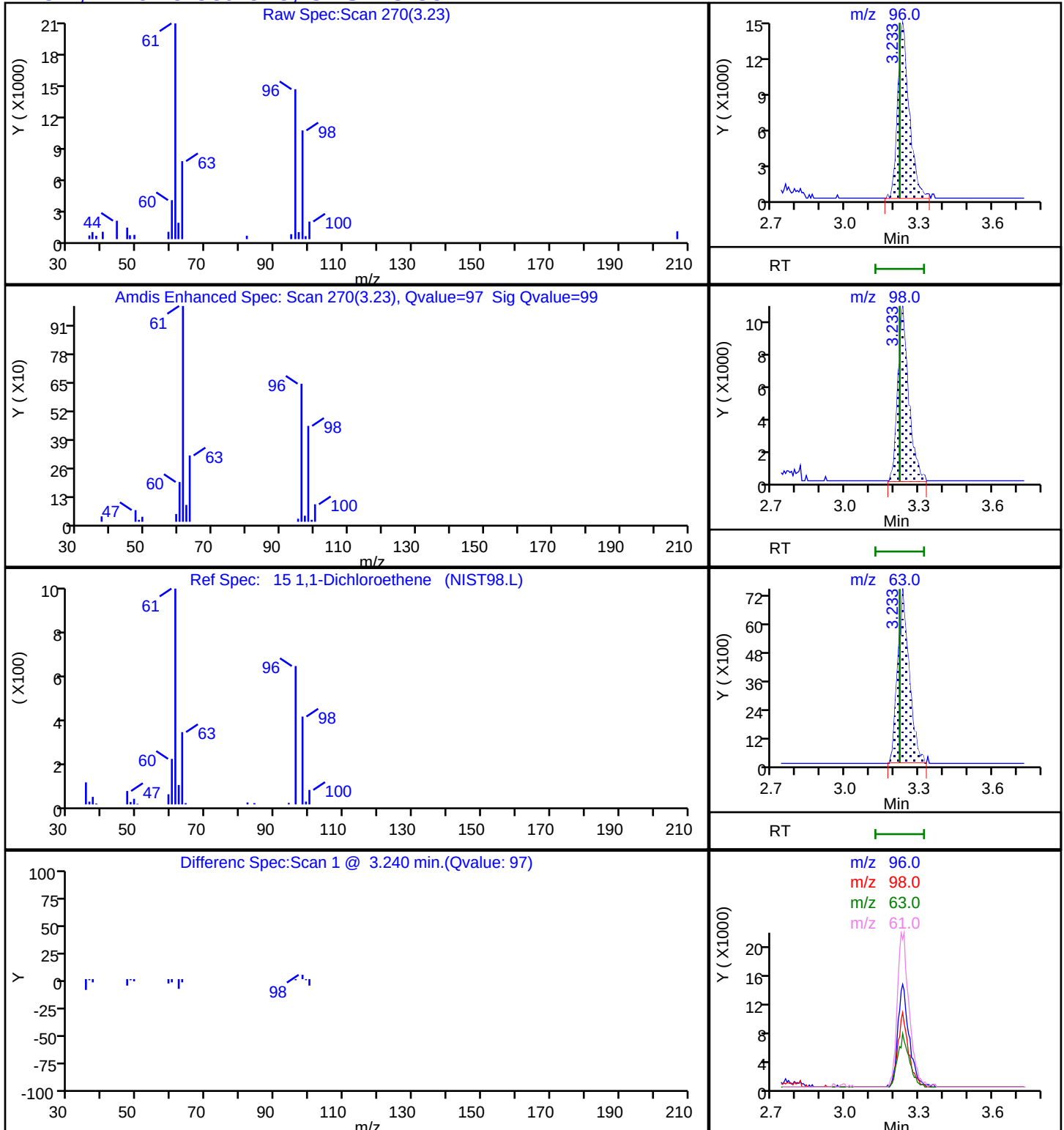
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**15 1,1-Dichloroethene, CAS: 75-35-4**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X24.D

Injection Date: 03-Jul-2025 16:53:30

Instrument ID: 19930

Lims ID: 410-229793-A-8

Lab Sample ID: 410-229793-8

Client ID: HD-COD-SW-17-0/1-0

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 24

Purge Vol: 25.000 mL

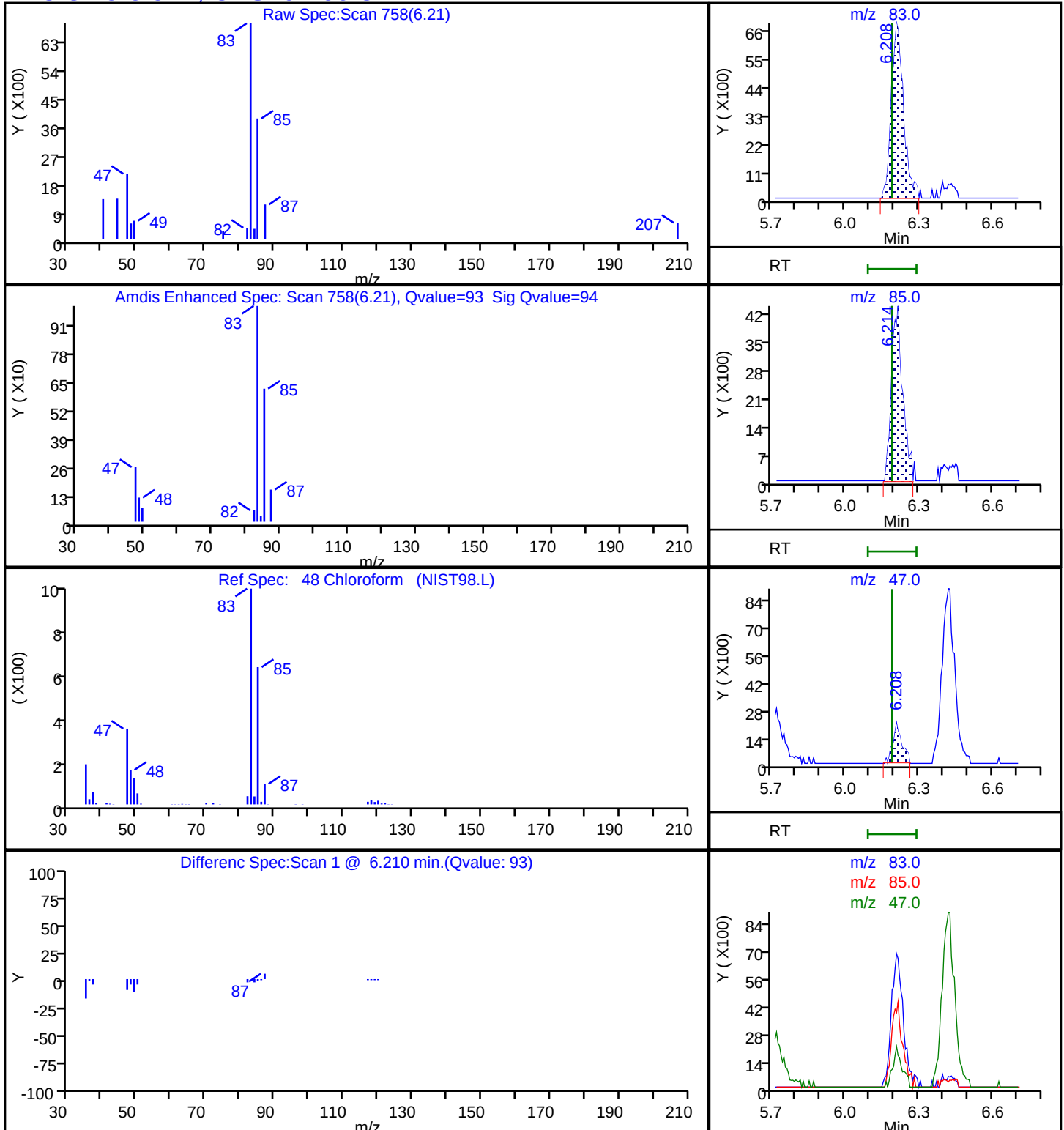
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

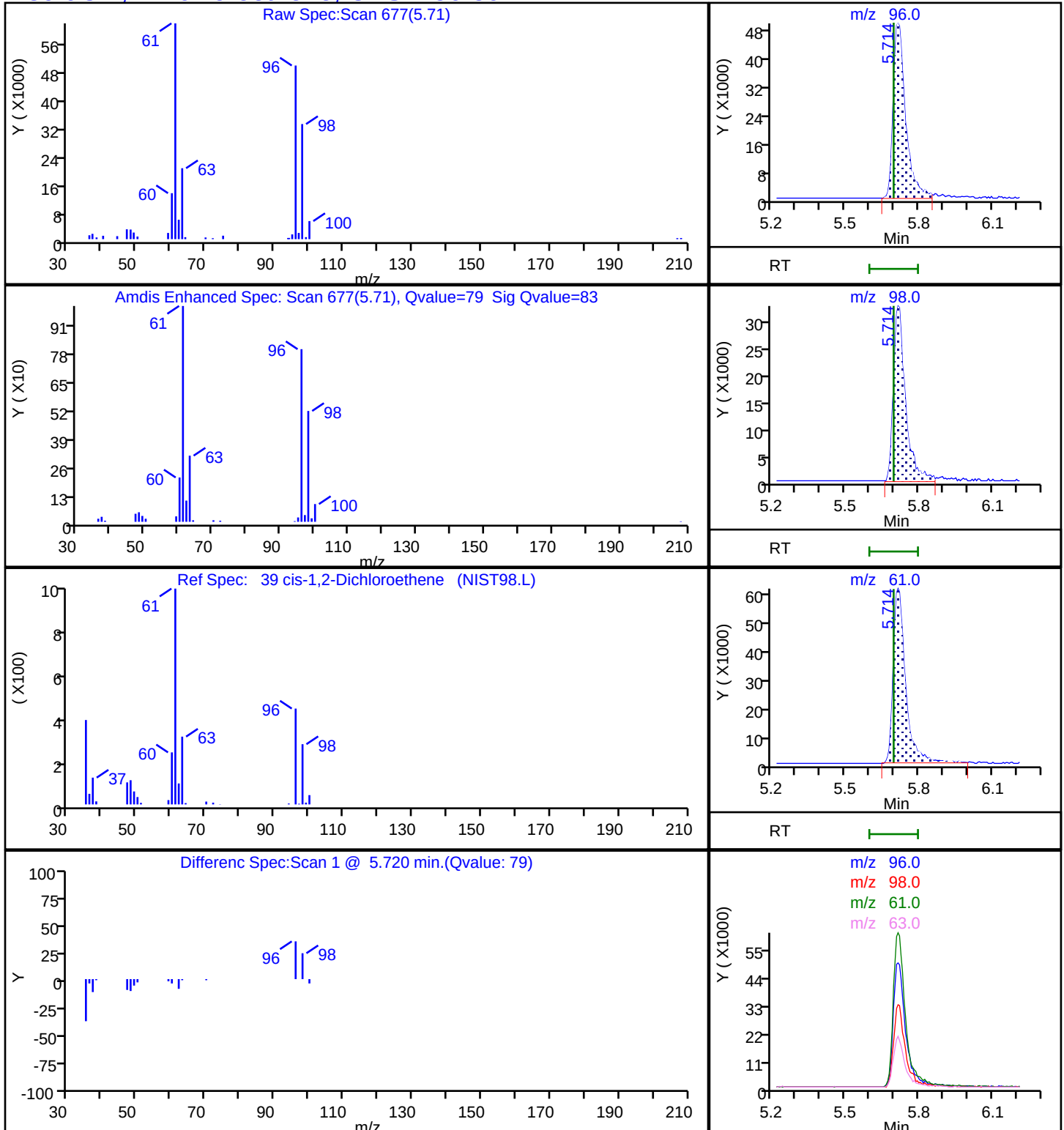
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**48 Chloroform, CAS: 67-66-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X24.D  
Injection Date: 03-Jul-2025 16:53:30 Instrument ID: 19930  
Lims ID: 410-229793-A-8 Lab Sample ID: 410-229793-8  
Client ID: HD-COD-SW-17-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 24 Worklist Smp#: 24  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X24.D

Injection Date: 03-Jul-2025 16:53:30

Instrument ID: 19930

Lims ID: 410-229793-A-8

Lab Sample ID: 410-229793-8

Client ID: HD-COD-SW-17-0/1-0

Operator ID: ecr105096

ALS Bottle#: 24

Worklist Smp#: 24

Purge Vol: 25.000 mL

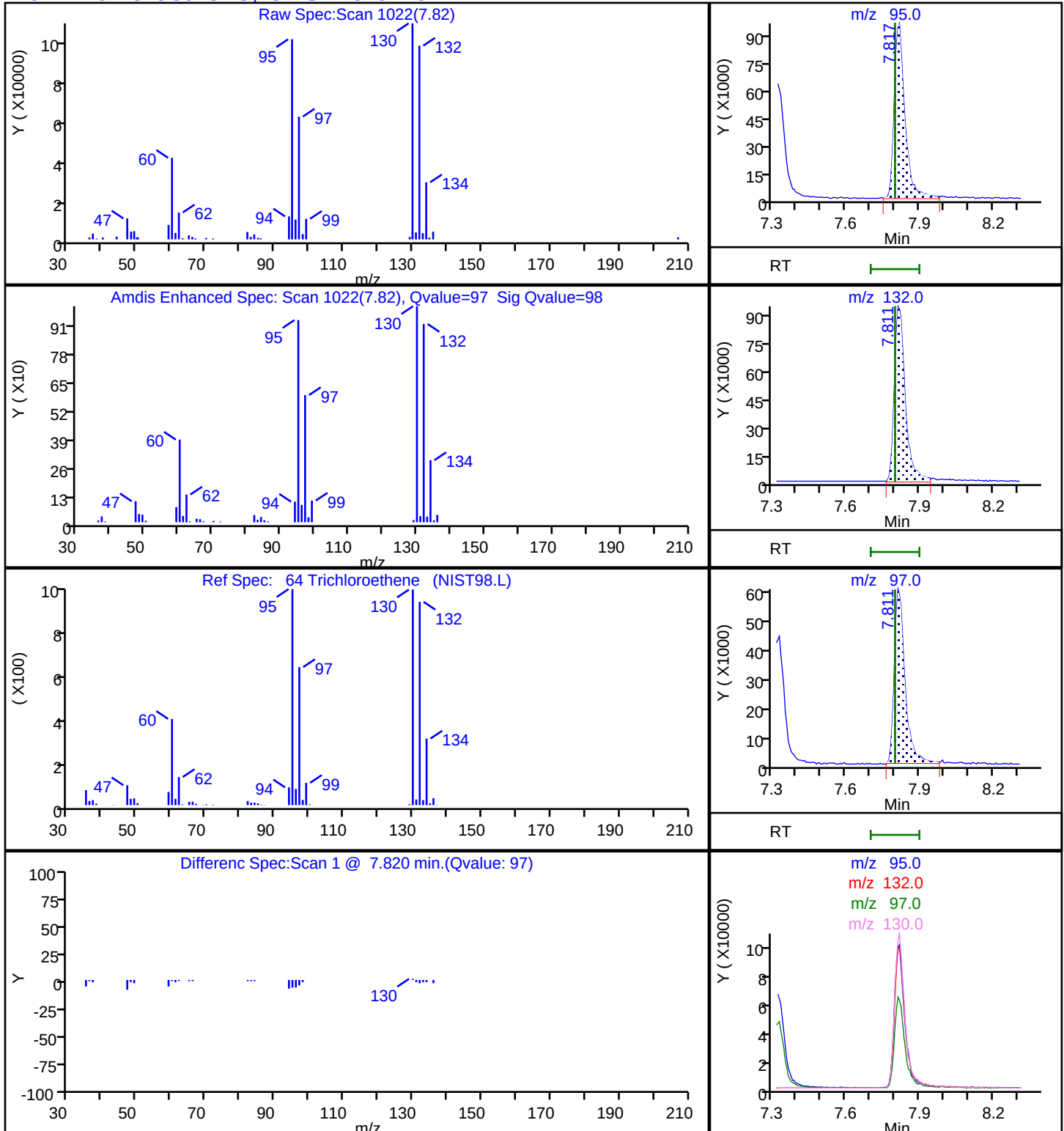
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

**64 Trichloroethene, CAS: 79-01-6**

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-17-0/1-0 DL

Lab Sample ID: 410-229793-8 DL

Matrix: Water

Lab File ID: IL03X25.D

Analysis Method: 8260D

Date Collected: 06/25/2025 06:57

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 17:13

Soil Aliquot Vol:

Dilution Factor: 20

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.  | COMPOUND NAME     | RESULT | Q | RL | MDL |
|----------|-------------------|--------|---|----|-----|
| 127-18-4 | Tetrachloroethene | 130    |   | 10 | 4.0 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 116  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 90   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 113  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 97   |   | 80-120 |



Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X25.D  
 Lims ID: 410-229793-B-8 DL  
 Client ID: HD-COD-SW-17-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 17:13:30 ALS Bottle#: 25 Worklist Smp#: 25  
 Purge Vol: 25.000 mL Dil. Factor: 20.0000  
 Sample Info: 410-0152351-025  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:32:45 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:32:45

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  |           | 1.983         |               |    |          | ND             |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             |       |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             |       |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  | 3.257     | 3.221         | 0.036         | 1  | 1813     | 0.0315         |       |
| 16 Acetone                         | 43  |           | 3.239         |               |    |          | ND             |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             |       |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             | 7     |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.855     | 3.830         | 0.025         | 25 | 158079   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  | 4.855     | 4.848         | 0.007         | 1  | 8971     | 0.0731         | a     |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.757     | 5.696         | 0.061         | 70 | 7216     | 0.1012         | a     |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  |           | 6.190         |               |    |          | ND             | 7     |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 94 | 575494   | 11.3           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.427     | 6.415         | 0.012         | 39 | 51530    | 0.4812         |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.879     | 6.866         | 0.013         | 62 | 118944   | 11.6           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.324     | 7.317         | 0.007         | 99 | 2055799  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.823     | 7.799         | 0.024         | 94 | 13115    | 0.1744         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 93 | 2109514  | 9.71           |       |
| 79 Toluene                         | 92  |           | 9.463         |               |    |          | ND             |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.049    | 10.043        | 0.006         | 98 | 589177   | 6.32           |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             |       |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1648890  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             |       |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 94 | 713473   | 8.97           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 876218   | 10.0           |       |

**QC Flag Legend**

## Processing Flags

7 - Failed Limit of Detection

## Review Flags

a - User Assigned ID

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X25.D

Injection Date: 03-Jul-2025 17:13:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-B-8 DL

Lab Sample ID: 410-229793-8

Worklist Smp#: 25

Client ID: HD-COD-SW-17-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 20.0000

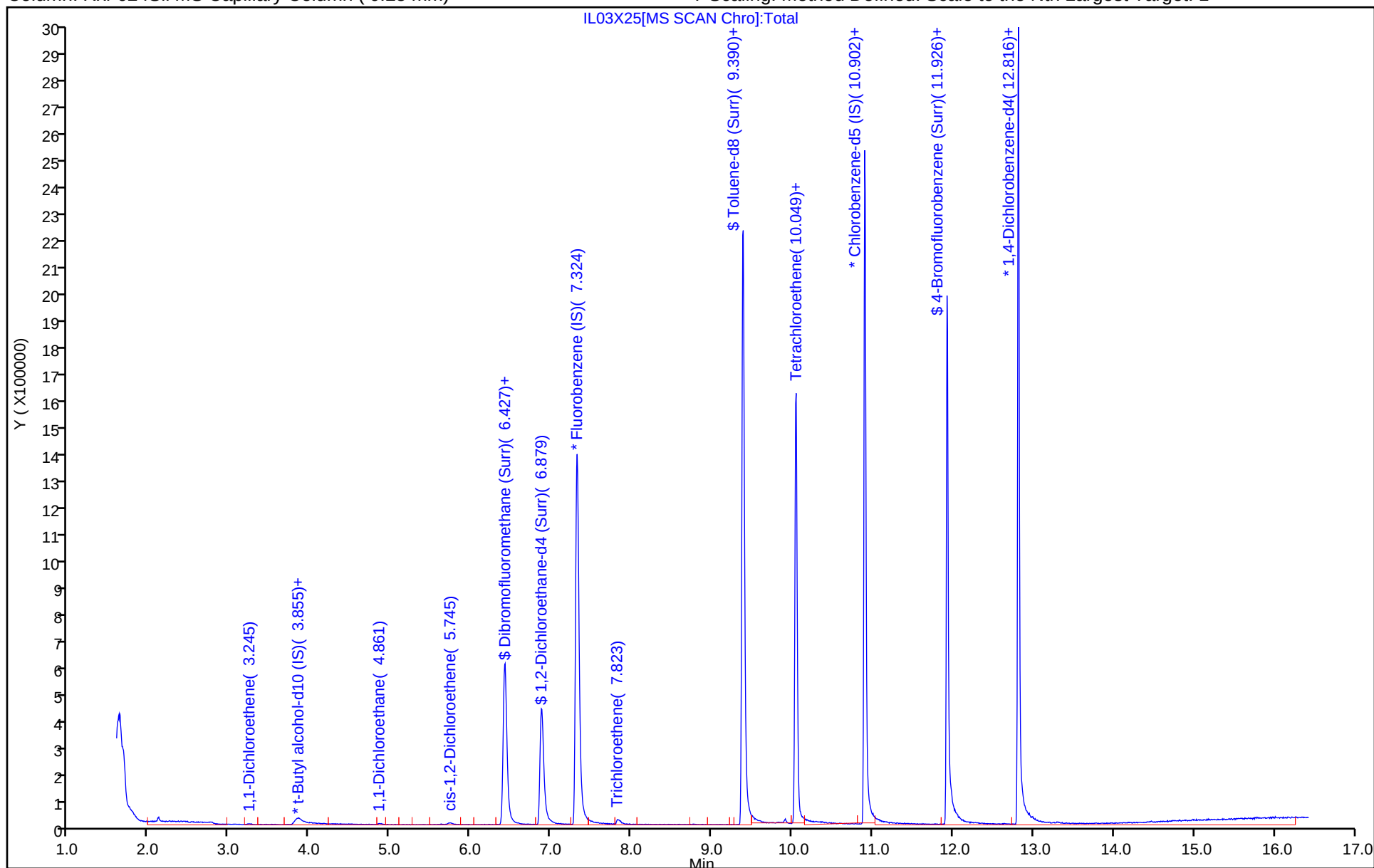
ALS Bottle#: 25

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X25.D  
Lims ID: 410-229793-B-8 DL  
Client ID: HD-COD-SW-17-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 17:13:30 ALS Bottle#: 25 Worklist Smp#: 25  
Purge Vol: 25.000 mL Dil. Factor: 20.0000  
Sample Info: 410-0152351-025  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:32:45 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:32:45

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.3             | 113.33 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.6             | 115.51 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.71             | 97.11  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 8.97             | 89.68  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X25.D

Injection Date: 03-Jul-2025 17:13:30

Instrument ID: 19930

Lims ID: 410-229793-B-8 DL

Lab Sample ID: 410-229793-8

Client ID: HD-COD-SW-17-0/1-0

Operator ID: ecr105096

ALS Bottle#: 25

Worklist Smp#: 25

Purge Vol: 25.000 mL

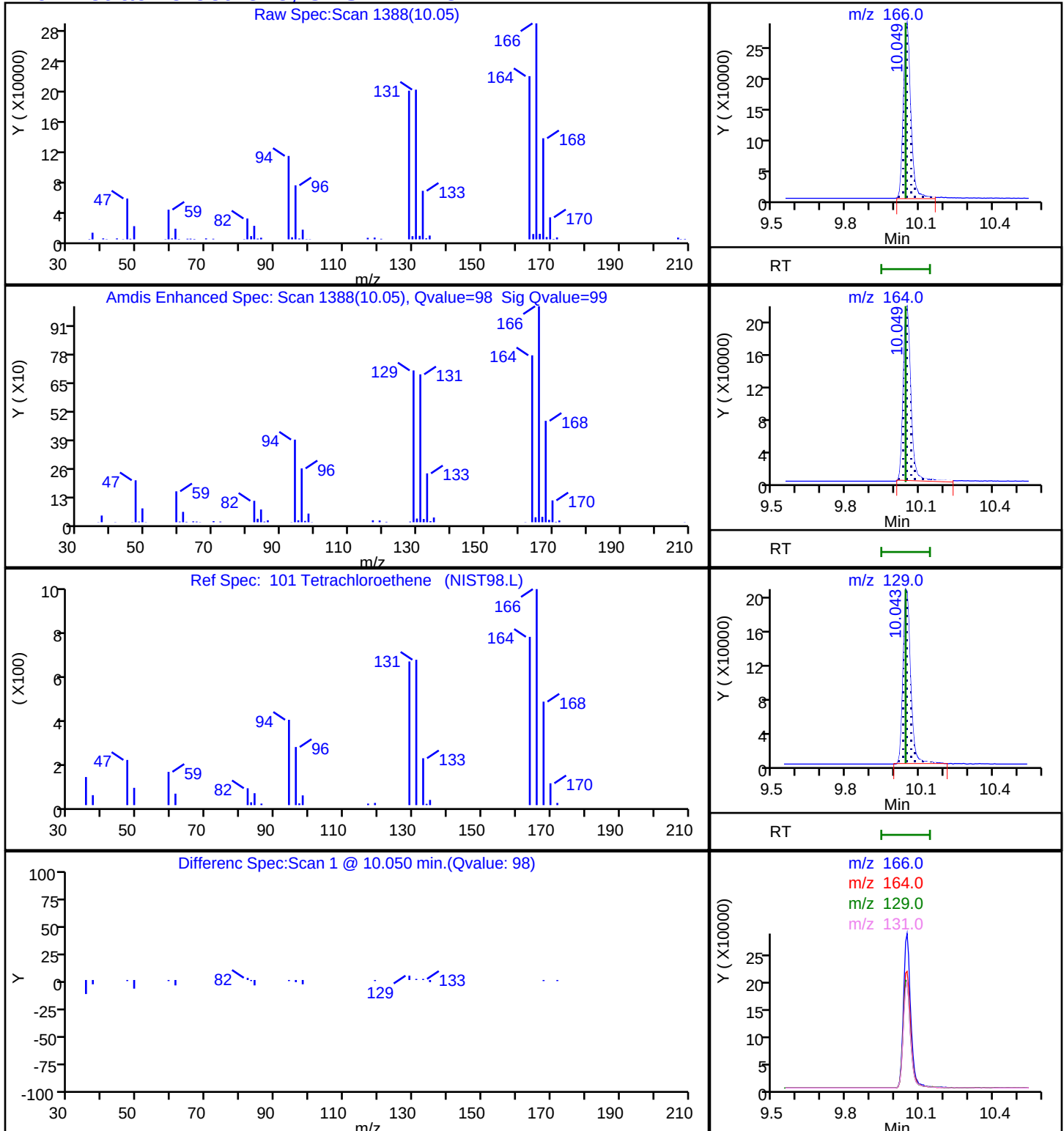
Dil. Factor: 20.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-26-0/1-0

Lab Sample ID: 410-229793-9

Matrix: Water

Lab File ID: IL03X20.D

Analysis Method: 8260D

Date Collected: 06/25/2025 07:30

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 15:32

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     |       | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 0.11   | J     | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | ND     |       | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | ND     |       | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| Lab Name: Eurofins Lancaster Laboratories<br>Environment Testing, LLC | Job No.: 410-229793-1                   |
| SDG No.:                                                              |                                         |
| Client Sample ID: HD-COD-SW-26-0/1-0                                  | Lab Sample ID: 410-229793-9             |
| Matrix: Water                                                         | Lab File ID: IL03X20.D                  |
| Analysis Method: 8260D                                                | Date Collected: 06/25/2025 07:30        |
| Sample wt/vol: 25 (mL)                                                | Date Analyzed: 07/03/2025 15:32         |
| Soil Aliquot Vol:                                                     | Dilution Factor: 1                      |
| Soil Extract Vol.:                                                    | GC Column: R-624SilMS 30m ID: 0.25 (mm) |
| Purge Volume: 25.0 (mL)                                               | Heated Purge: (Y/N) N pH:               |
| % Moisture: % Solids:                                                 | Level: (low/med) Low                    |
| Analysis Batch No.: 666534                                            | Units: ug/L                             |
| Preparation Batch No.:                                                | Instrument ID: 19930                    |

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 0.085  | J | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | ND     |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 116  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 92   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 110  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X20.D  
 Lims ID: 410-229793-A-9  
 Client ID: HD-COD-SW-26-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 15:32:30 ALS Bottle#: 20 Worklist Smp#: 20  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-020  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:28:46

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  |           | 1.983         |               |    |          | ND             | 7     |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             |       |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             |       |
| 16 Acetone                         | 43  | 3.312     | 3.239         | 0.073         | 76 | 10003    | 0.8641         |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.867     | 3.830         | 0.037         | 23 | 176271   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.739     | 5.696         | 0.043         | 1  | 3631     | 0.0479         |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.208     | 6.190         | 0.018         | 91 | 14878    | 0.1120         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 94 | 593819   | 11.0           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          | ND             |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.885     | 6.866         | 0.019         | 62 | 126754   | 11.6           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             | 7     |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.324     | 7.317         | 0.007         | 99 | 2183604  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.836     | 7.799         | 0.037         | 84 | 5601     | 0.0701         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 93 | 2183617  | 9.77           |       |
| 79 Toluene                         | 92  | 9.476     | 9.463         | 0.013         | 98 | 16795    | 0.0853         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |



| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 |           | 10.043        |               |    |          | ND             |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             |       |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1697279  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             | 7     |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             | 7     |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 755221   | 9.22           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 931837   | 10.0           |       |

**QC Flag Legend**

Processing Flags

7 - Failed Limit of Detection

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jul-2025 12:28:47

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X20.D

Injection Date: 03-Jul-2025 15:32:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-9

Lab Sample ID: 410-229793-9

Worklist Smp#: 20

Client ID: HD-COD-SW-26-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

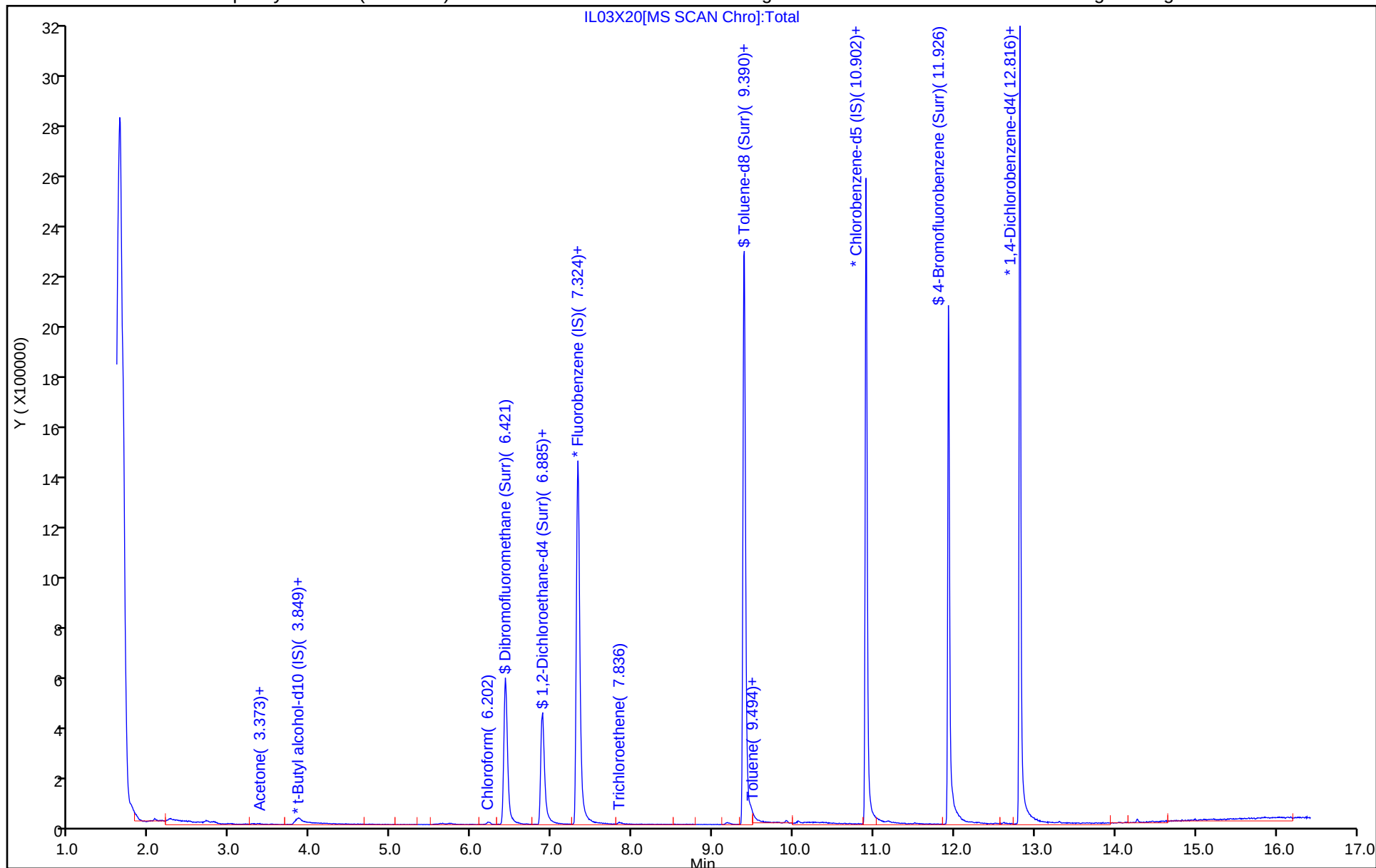
ALS Bottle#: 20

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X20.D  
Lims ID: 410-229793-A-9  
Client ID: HD-COD-SW-26-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 15:32:30 ALS Bottle#: 20 Worklist Smp#: 20  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-020  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:22:28 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:28:46

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.0             | 110.09 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.6             | 115.89 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.77             | 97.66  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.22             | 92.22  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X20.D

Injection Date: 03-Jul-2025 15:32:30

Instrument ID: 19930

Lims ID: 410-229793-A-9

Lab Sample ID: 410-229793-9

Client ID: HD-COD-SW-26-0/1-0

Operator ID: ecr105096

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 25.000 mL

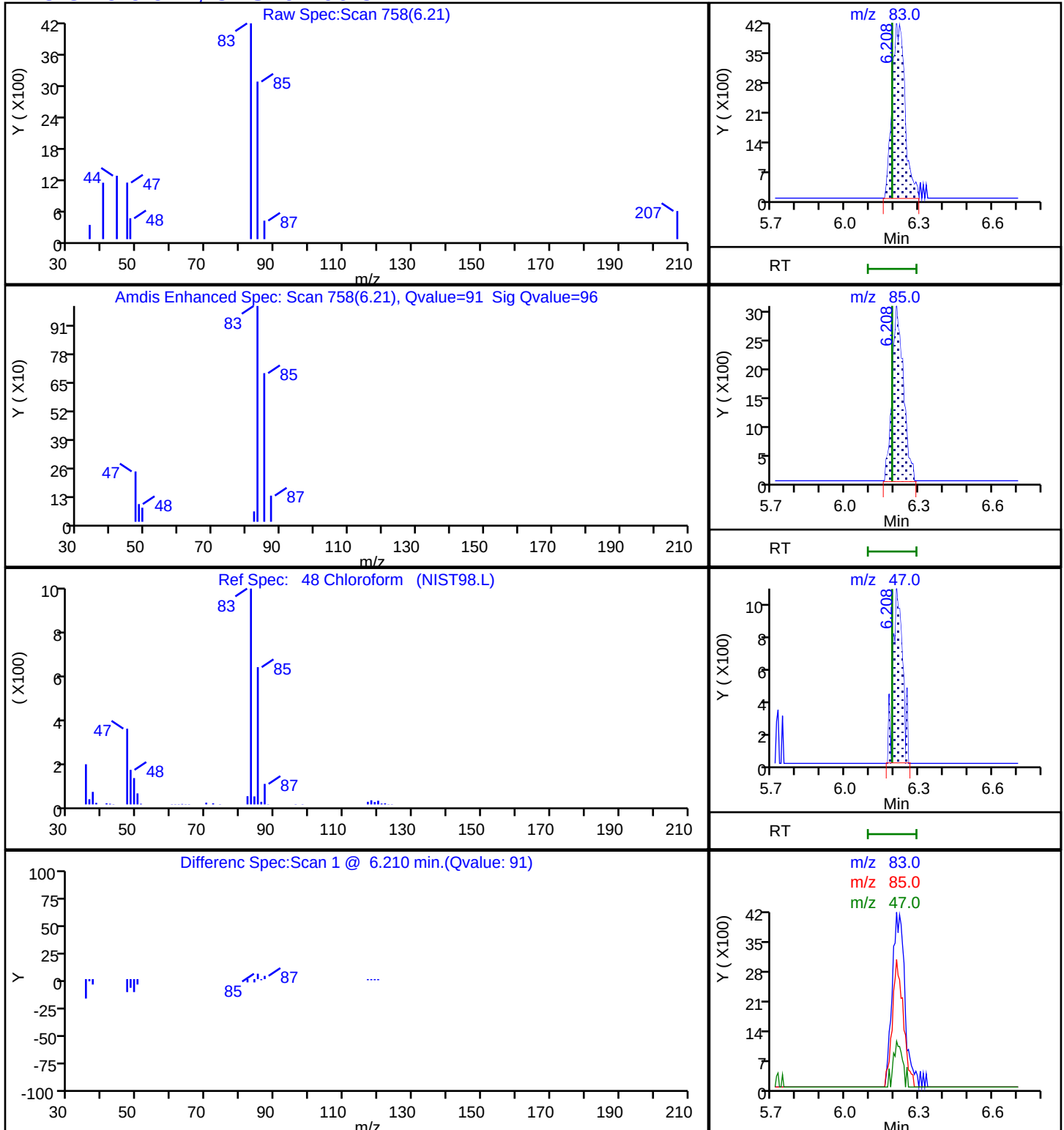
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**48 Chloroform, CAS: 67-66-3**

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X20.D

Injection Date: 03-Jul-2025 15:32:30

Instrument ID: 19930

Lims ID: 410-229793-A-9

Lab Sample ID: 410-229793-9

Client ID: HD-COD-SW-26-0/1-0

Operator ID: ecr105096

ALS Bottle#: 20

Worklist Smp#: 20

Purge Vol: 25.000 mL

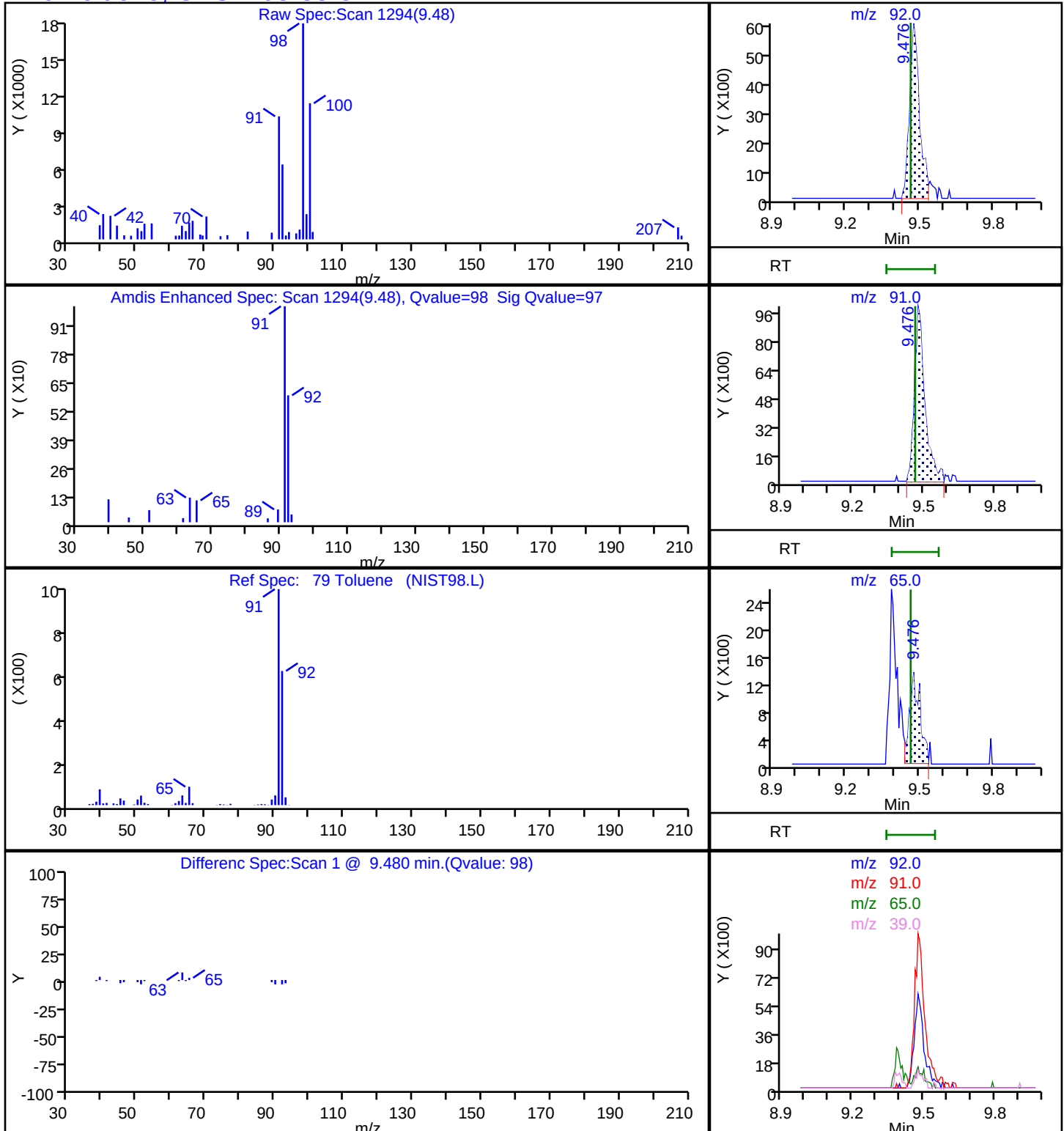
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**79 Toluene, CAS: 108-88-3**

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-27-0/1-0

Lab Sample ID: 410-229793-10

Matrix: Water

Lab File ID: IL03X21.D

Analysis Method: 8260D

Date Collected: 06/25/2025 08:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 15:52

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     |       | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 0.12   | J     | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 0.091  | J     | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | ND     |       | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-27-0/1-0      Lab Sample ID: 410-229793-10

Matrix: Water      Lab File ID: IL03X21.D

Analysis Method: 8260D      Date Collected: 06/25/2025 08:00

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 15:52

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 0.085  | J | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 0.11   | J | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 110  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 93   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 108  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X21.D  
 Lims ID: 410-229793-A-10  
 Client ID: HD-COD-SW-27-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 15:52:30 ALS Bottle#: 21 Worklist Smp#: 21  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-021  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:29:33 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:29:33

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  | 1.983     | 1.983         | 0.000         | 1  | 4277     | 0.0397         |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             | 7     |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             |       |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             |       |
| 16 Acetone                         | 43  | 3.306     | 3.239         | 0.067         | 41 | 11663    | 1.01           |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.836     | 3.830         | 0.006         | 22 | 176596   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.720     | 5.696         | 0.024         | 81 | 6807     | 0.0913         |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.202     | 6.190         | 0.012         | 92 | 15882    | 0.1215         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 94 | 574942   | 10.8           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          | ND             |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.878     | 6.866         | 0.012         | 62 | 118075   | 11.0           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 99 | 2149268  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.836     | 7.799         | 0.037         | 91 | 8935     | 0.1137         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             | 7     |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 94 | 2120131  | 9.80           |       |
| 79 Toluene                         | 92  | 9.475     | 9.463         | 0.012         | 98 | 16126    | 0.0846         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             | 7     |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |



| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.073    | 10.043        | 0.030         | 89 | 6737     | 0.0726         | a     |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             | 7     |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1642432  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             | 7     |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             | 7     |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 739000   | 9.33           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 929642   | 10.0           |       |

**QC Flag Legend**

## Processing Flags

7 - Failed Limit of Detection

## Review Flags

a - User Assigned ID

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X21.D

Injection Date: 03-Jul-2025 15:52:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-10

Lab Sample ID: 410-229793-10

Worklist Smp#: 21

Client ID: HD-COD-SW-27-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 21

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X21.D  
Lims ID: 410-229793-A-10  
Client ID: HD-COD-SW-27-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 15:52:30 ALS Bottle#: 21 Worklist Smp#: 21  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-021  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:29:33 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:29:33

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.8             | 108.29 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.0             | 109.68 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.80             | 97.98  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.33             | 93.26  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X21.D

Injection Date: 03-Jul-2025 15:52:30

Instrument ID: 19930

Lims ID: 410-229793-A-10

Lab Sample ID: 410-229793-10

Client ID: HD-COD-SW-27-0/1-0

Operator ID: ecr105096

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 25.000 mL

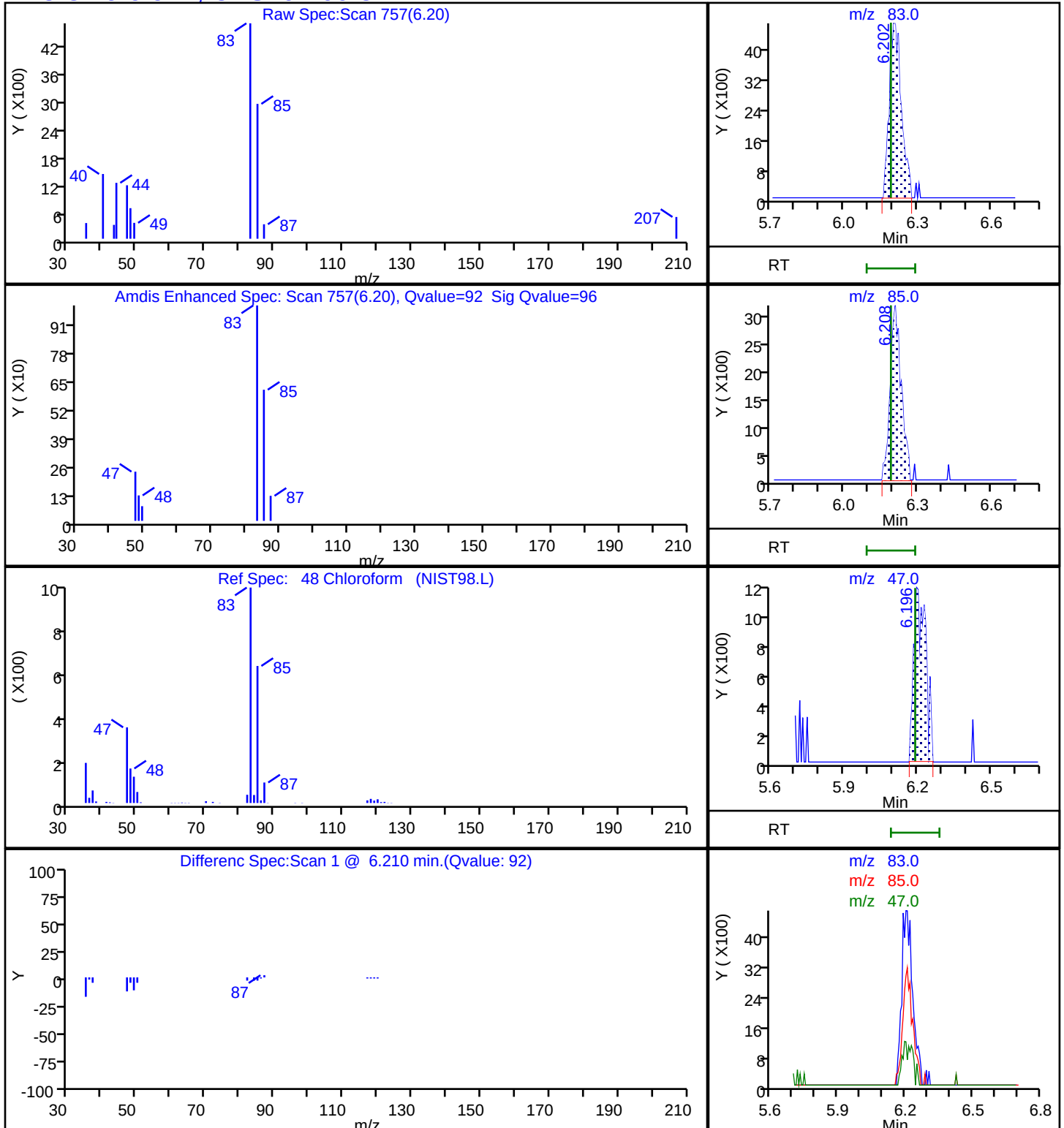
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 100m

MS Quad

**48 Chloroform, CAS: 67-66-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X21.D

Injection Date: 03-Jul-2025 15:52:30

Instrument ID: 19930

Lims ID: 410-229793-A-10

Lab Sample ID: 410-229793-10

Client ID: HD-COD-SW-27-0/1-0

Operator ID: ecr105096

ALS Bottle#: 21

Worklist Smp#: 21

Purge Vol: 25.000 mL

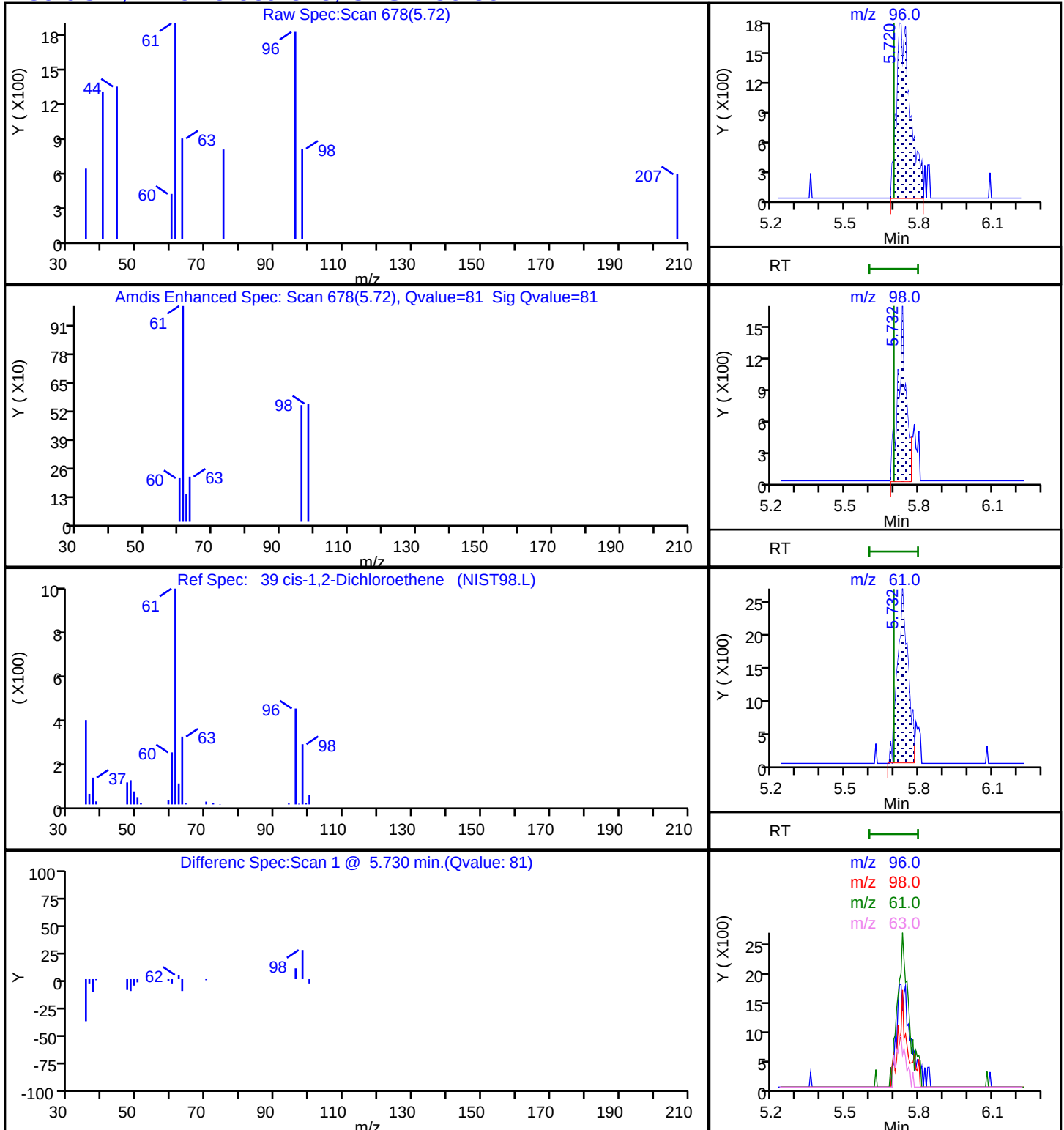
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

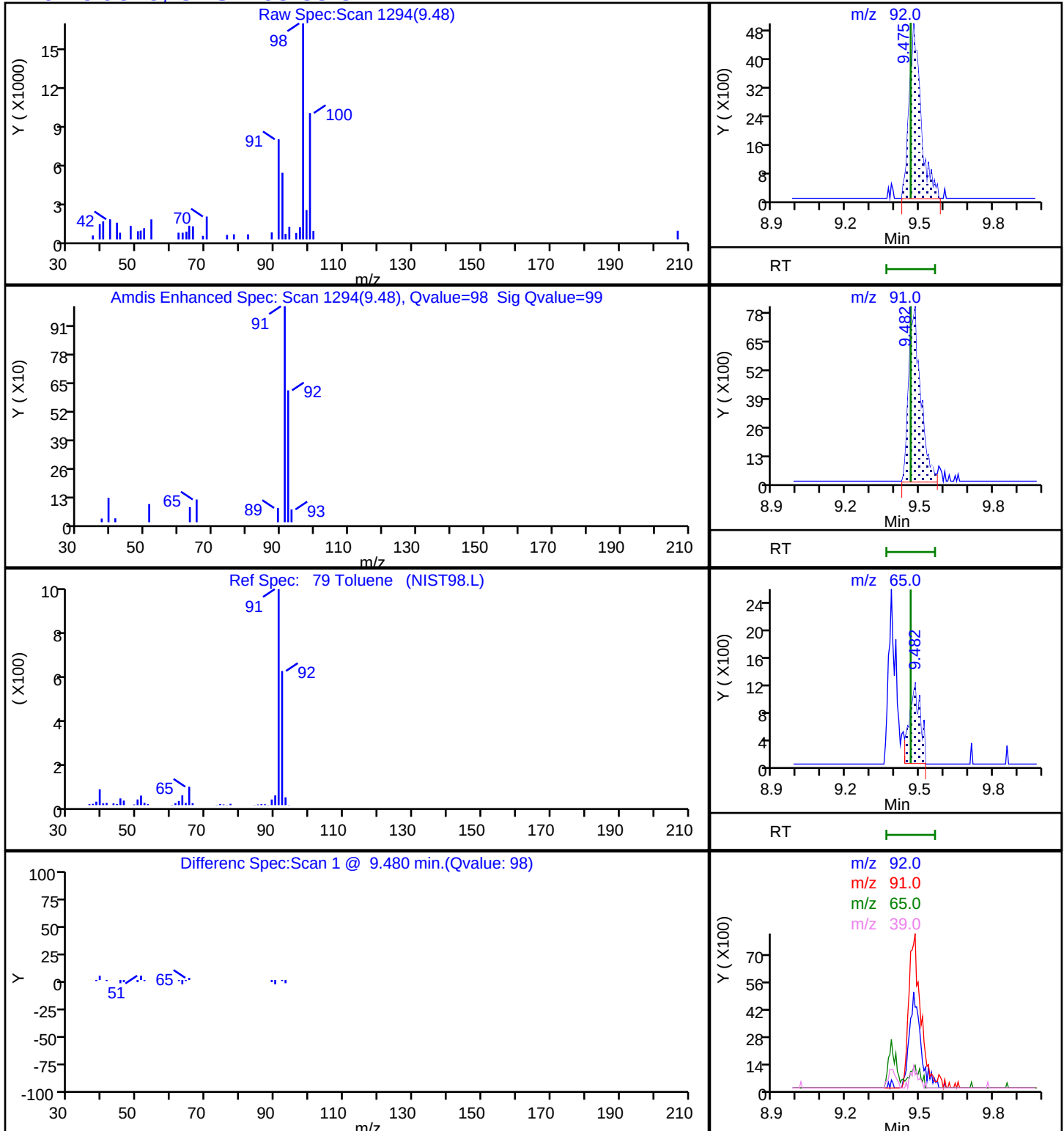
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

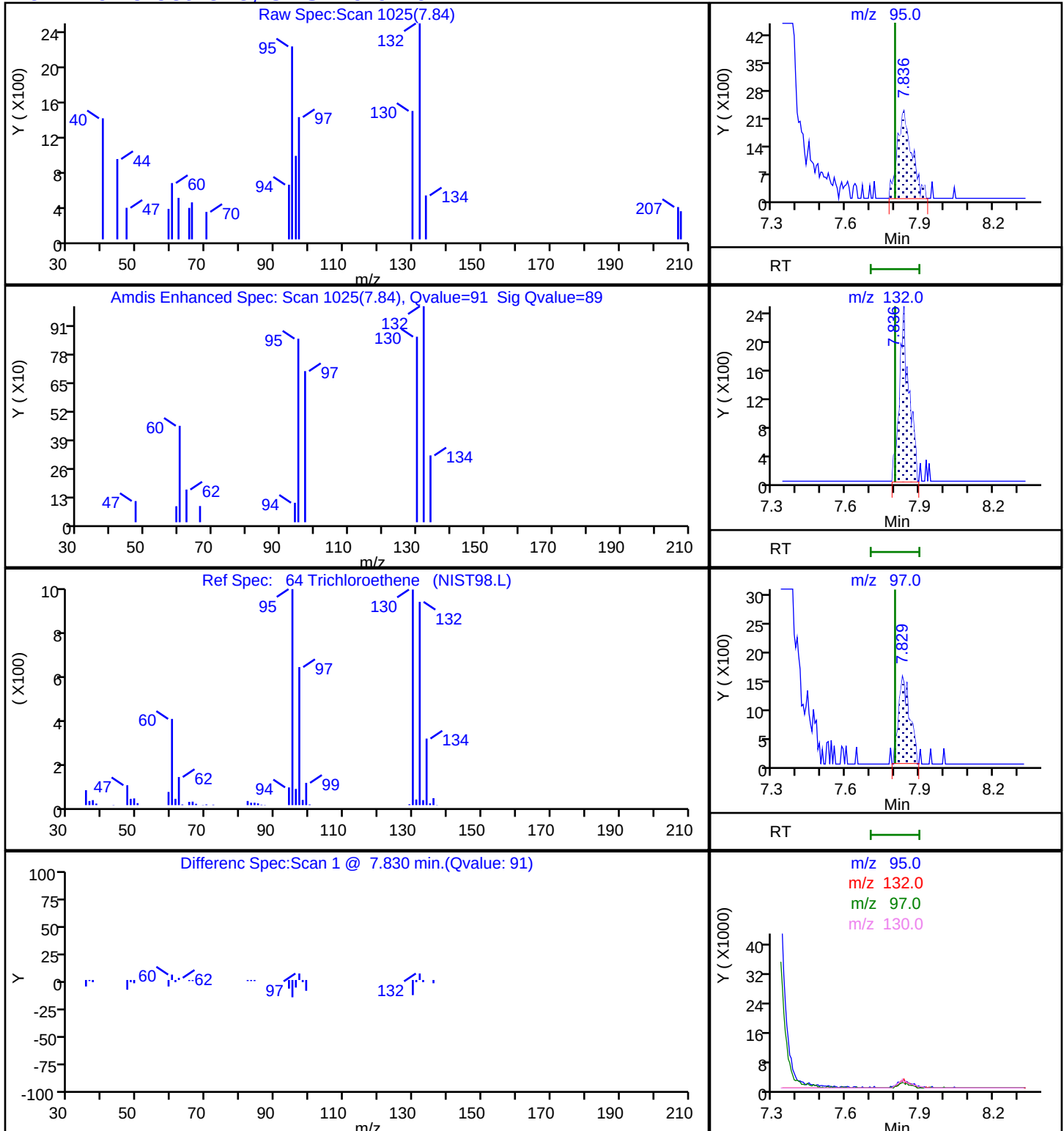
## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X21.D  
Injection Date: 03-Jul-2025 15:52:30 Instrument ID: 19930  
Lims ID: 410-229793-A-10 Lab Sample ID: 410-229793-10  
Client ID: HD-COD-SW-27-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 21 Worklist Smp#: 21  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

**79 Toluene, CAS: 108-88-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X21.D  
Injection Date: 03-Jul-2025 15:52:30 Instrument ID: 19930  
Lims ID: 410-229793-A-10 Lab Sample ID: 410-229793-10  
Client ID: HD-COD-SW-27-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 21 Worklist Smp#: 21  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) MS Quad

**64 Trichloroethene, CAS: 79-01-6**

## Eurofins Lancaster Laboratories Environment Testing, LLC

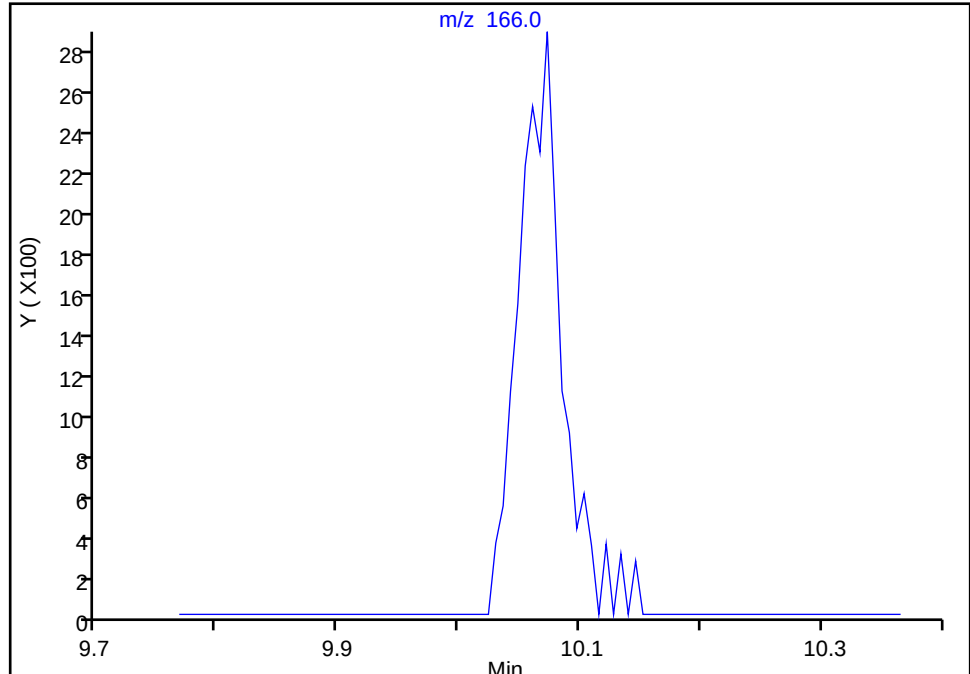
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Injection Date: 03-Jul-2025 15:52:30 Instrument ID: 19930  
Lims ID: 410-229793-A-10 Lab Sample ID: 410-229793-10  
Client ID: HD-COD-SW-27-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 21 Worklist Smp#: 21  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

Signal: 1

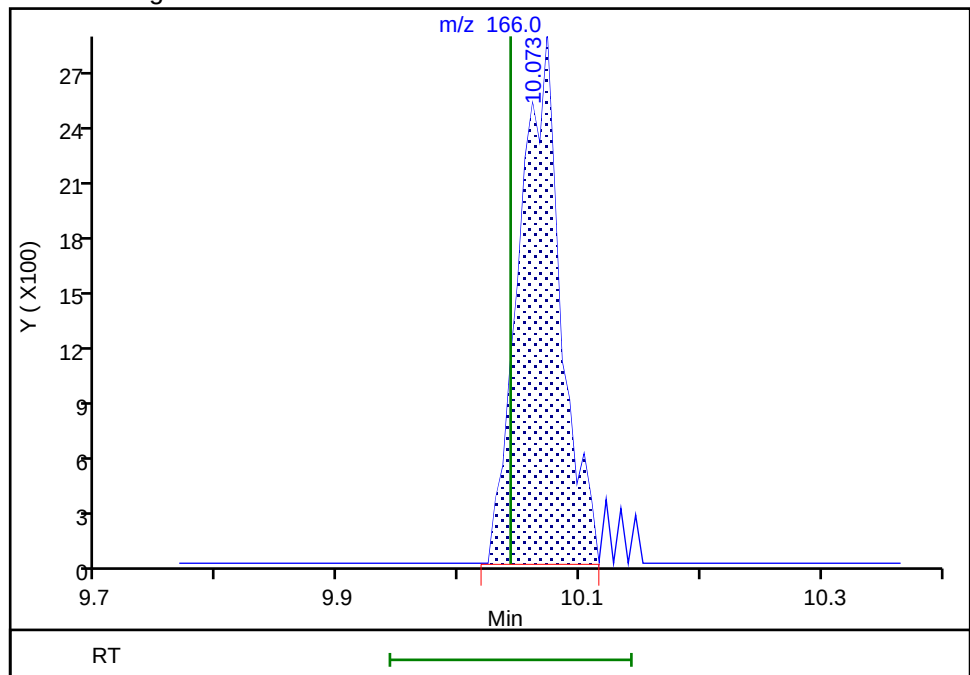
Not Detected  
Expected RT: 10.04

## Processing Integration Results



RT: 10.07  
Area: 6737  
Amount: 0.072582  
Amount Units: ug/l

## Manual Integration Results



Reviewer: N9NA, 04-Jul-2025 12:29:26 07:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-28-0/1-0

Lab Sample ID: 410-229793-11

Matrix: Water

Lab File ID: IL03X22.D

Analysis Method: 8260D

Date Collected: 06/25/2025 08:47

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 16:12

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | 1.8    | J     | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 0.15   | J     | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 0.090  | J     | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | 0.22   | J     | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-28-0/1-0      Lab Sample ID: 410-229793-11

Matrix: Water      Lab File ID: IL03X22.D

Analysis Method: 8260D      Date Collected: 06/25/2025 08:47

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 16:12

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 0.090  | J | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 0.11   | J | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 115  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 94   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 110  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 99   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X22.D  
 Lims ID: 410-229793-A-11  
 Client ID: HD-COD-SW-28-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 16:12:30 ALS Bottle#: 22 Worklist Smp#: 22  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-022  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:29:33 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:30:07

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  | 1.989     | 1.983         | 0.006         | 1  | 3600     | 0.0353         |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             |       |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             |       |
| 16 Acetone                         | 43  | 3.294     | 3.239         | 0.055         | 68 | 18778    | 1.79           |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.842     | 3.830         | 0.012         | 23 | 159364   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.732     | 5.696         | 0.036         | 81 | 6328     | 0.0896         |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.208     | 6.190         | 0.018         | 91 | 18081    | 0.1460         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 94 | 554522   | 11.0           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          | ND             | 7     |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.884     | 6.866         | 0.018         | 62 | 117468   | 11.5           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             | 7     |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.323     | 7.317         | 0.006         | 99 | 2036168  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.842     | 7.799         | 0.043         | 90 | 8200     | 0.1101         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             | 7     |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 93 | 2024090  | 9.90           |       |
| 79 Toluene                         | 92  | 9.475     | 9.463         | 0.012         | 97 | 16140    | 0.0896         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.061    | 10.043        | 0.018         | 89 | 18862    | 0.2150         |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             | 7     |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1552285  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             | 7     |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 700889   | 9.36           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 856681   | 10.0           |       |

**QC Flag Legend**

Processing Flags

7 - Failed Limit of Detection

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 04-Jul-2025 12:30:08

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X22.D

Injection Date: 03-Jul-2025 16:12:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-11

Lab Sample ID: 410-229793-11

Worklist Smp#: 22

Client ID: HD-COD-SW-28-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 22

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X22.D  
 Lims ID: 410-229793-A-11  
 Client ID: HD-COD-SW-28-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 16:12:30 ALS Bottle#: 22 Worklist Smp#: 22  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-022  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:29:33 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:30:07

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.0             | 110.25 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.5             | 115.17 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.90             | 98.98  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.36             | 93.58  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X22.D

Injection Date: 03-Jul-2025 16:12:30

Instrument ID: 19930

Lims ID: 410-229793-A-11

Lab Sample ID: 410-229793-11

Client ID: HD-COD-SW-28-0/1-0

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 25.000 mL

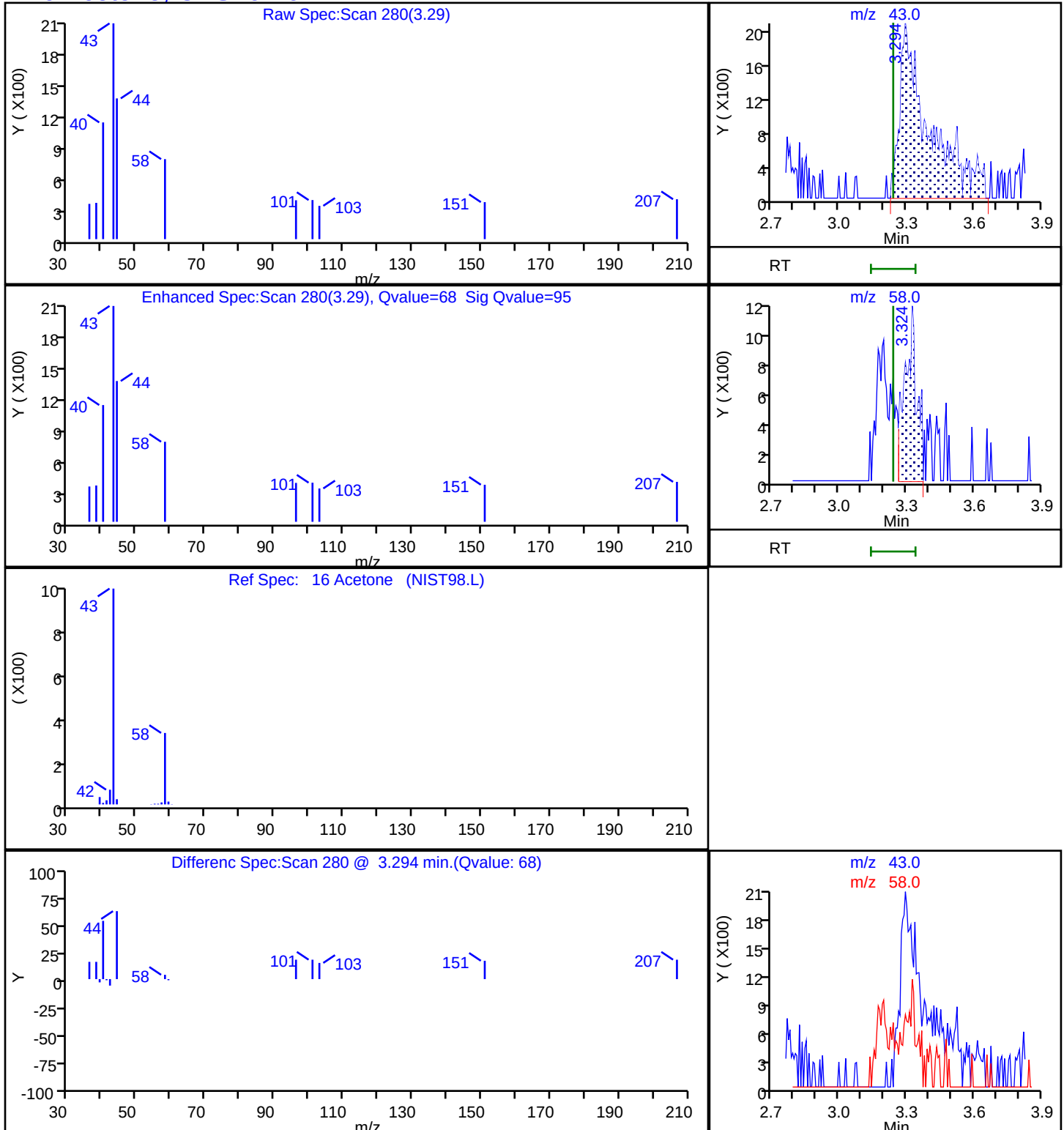
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

**16 Acetone, CAS: 67-64-1**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X22.D

Injection Date: 03-Jul-2025 16:12:30

Instrument ID: 19930

Lims ID: 410-229793-A-11

Lab Sample ID: 410-229793-11

Client ID: HD-COD-SW-28-0/1-0

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 25.000 mL

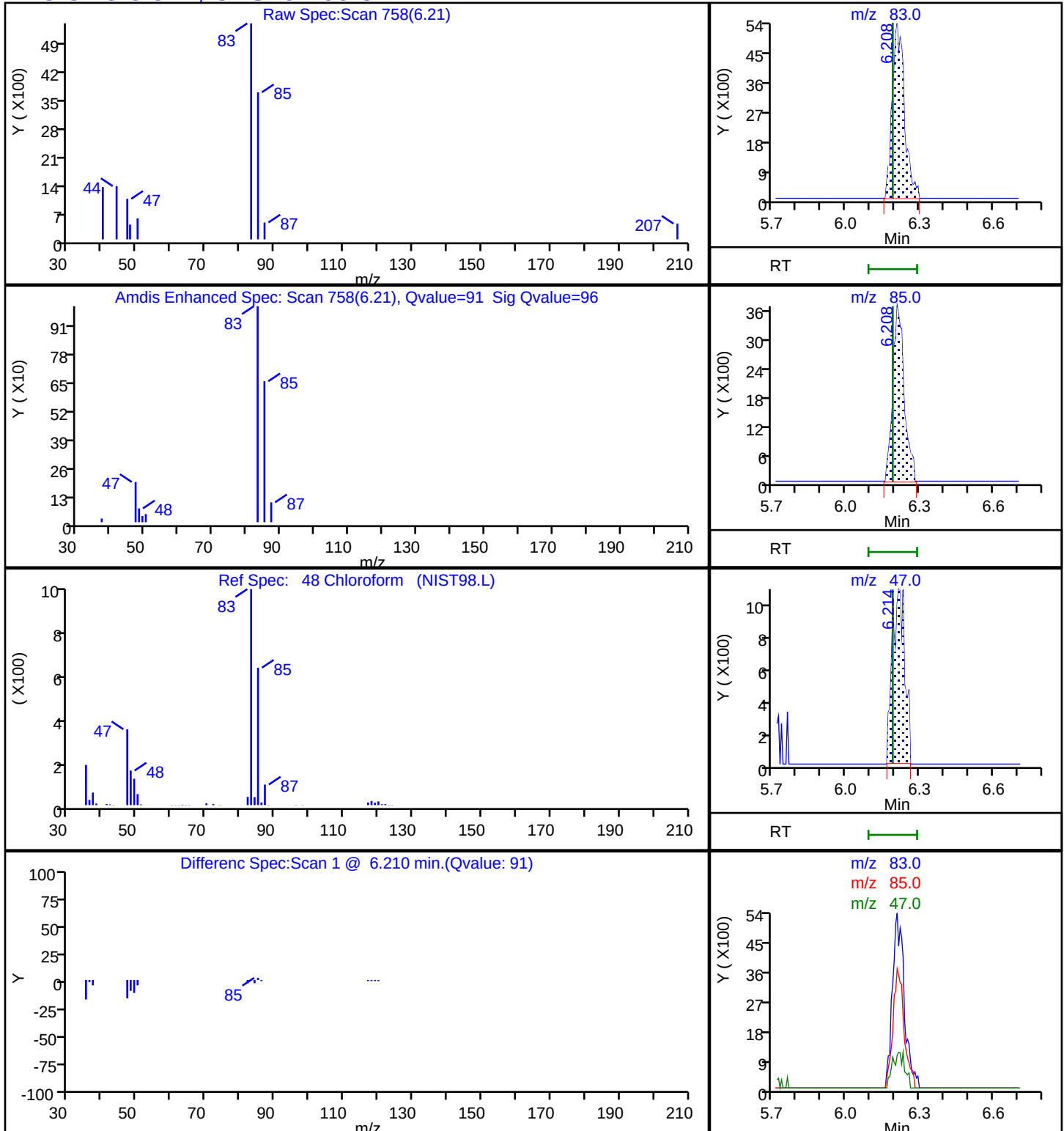
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**48 Chloroform, CAS: 67-66-3**



## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X22.D

Injection Date: 03-Jul-2025 16:12:30

Instrument ID: 19930

Lims ID: 410-229793-A-11

Lab Sample ID: 410-229793-11

Client ID: HD-COD-SW-28-0/1-0

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 25.000 mL

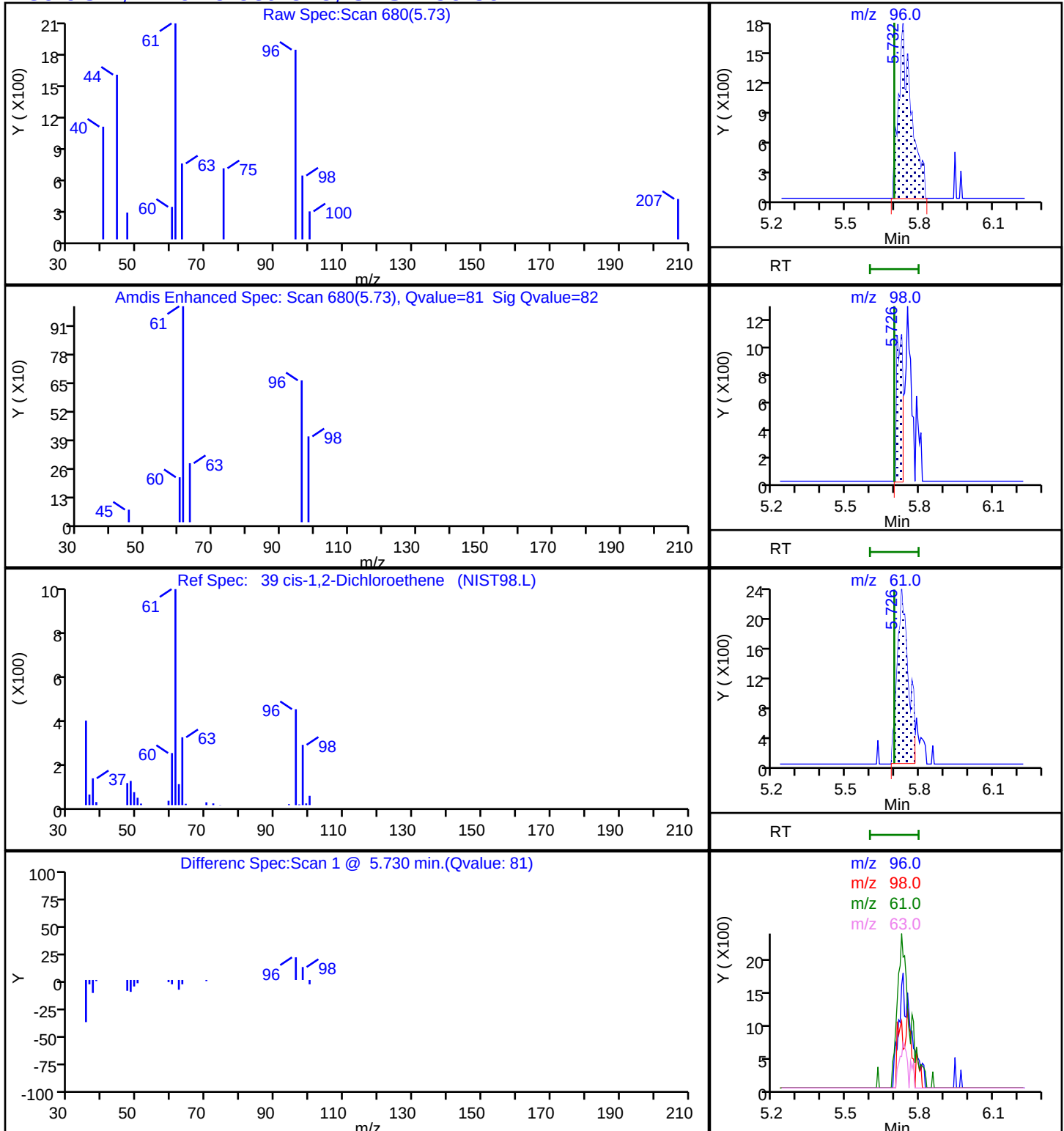
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X22.D

Injection Date: 03-Jul-2025 16:12:30

Instrument ID: 19930

Lims ID: 410-229793-A-11

Lab Sample ID: 410-229793-11

Client ID: HD-COD-SW-28-0/1-0

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 25.000 mL

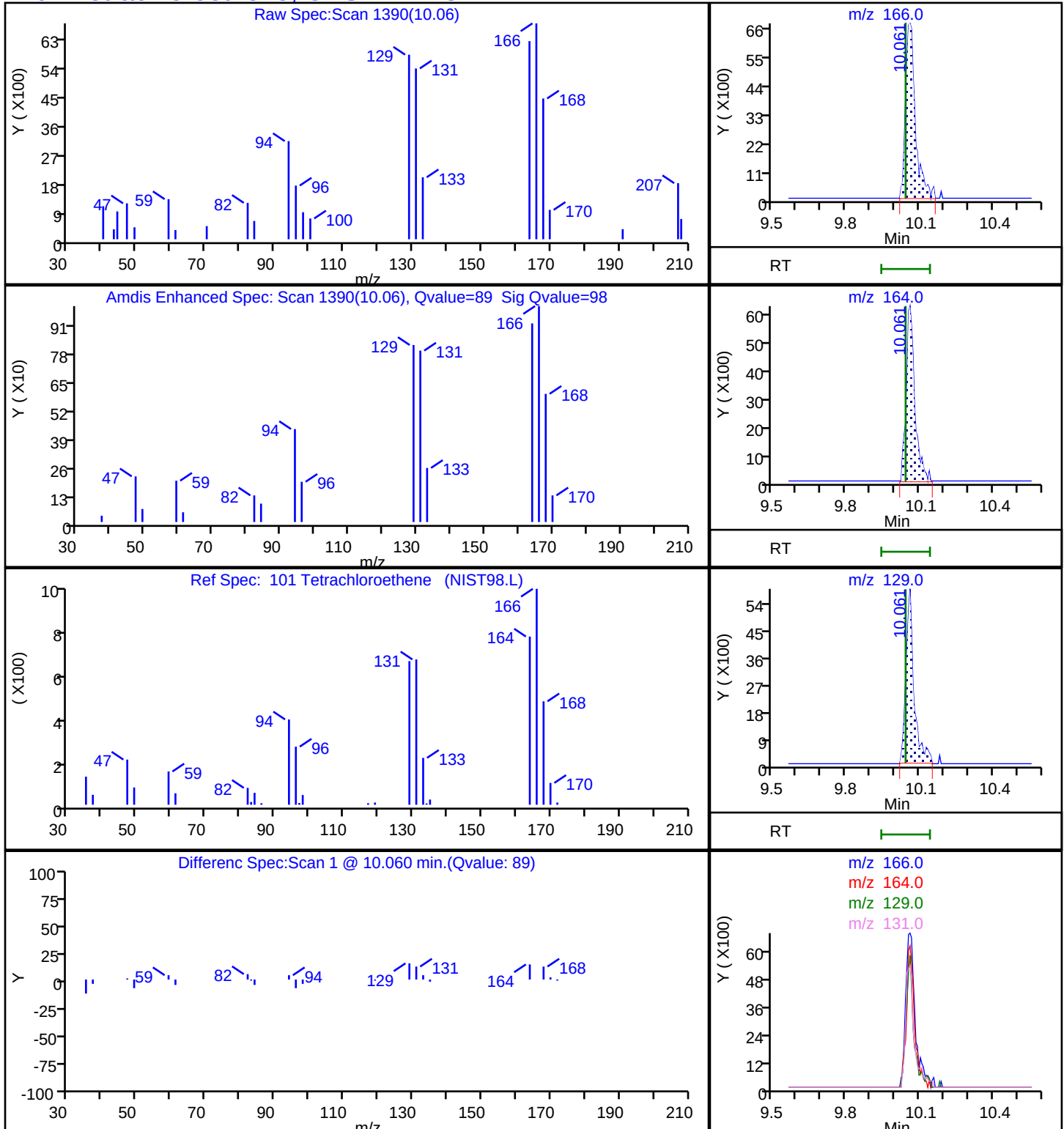
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

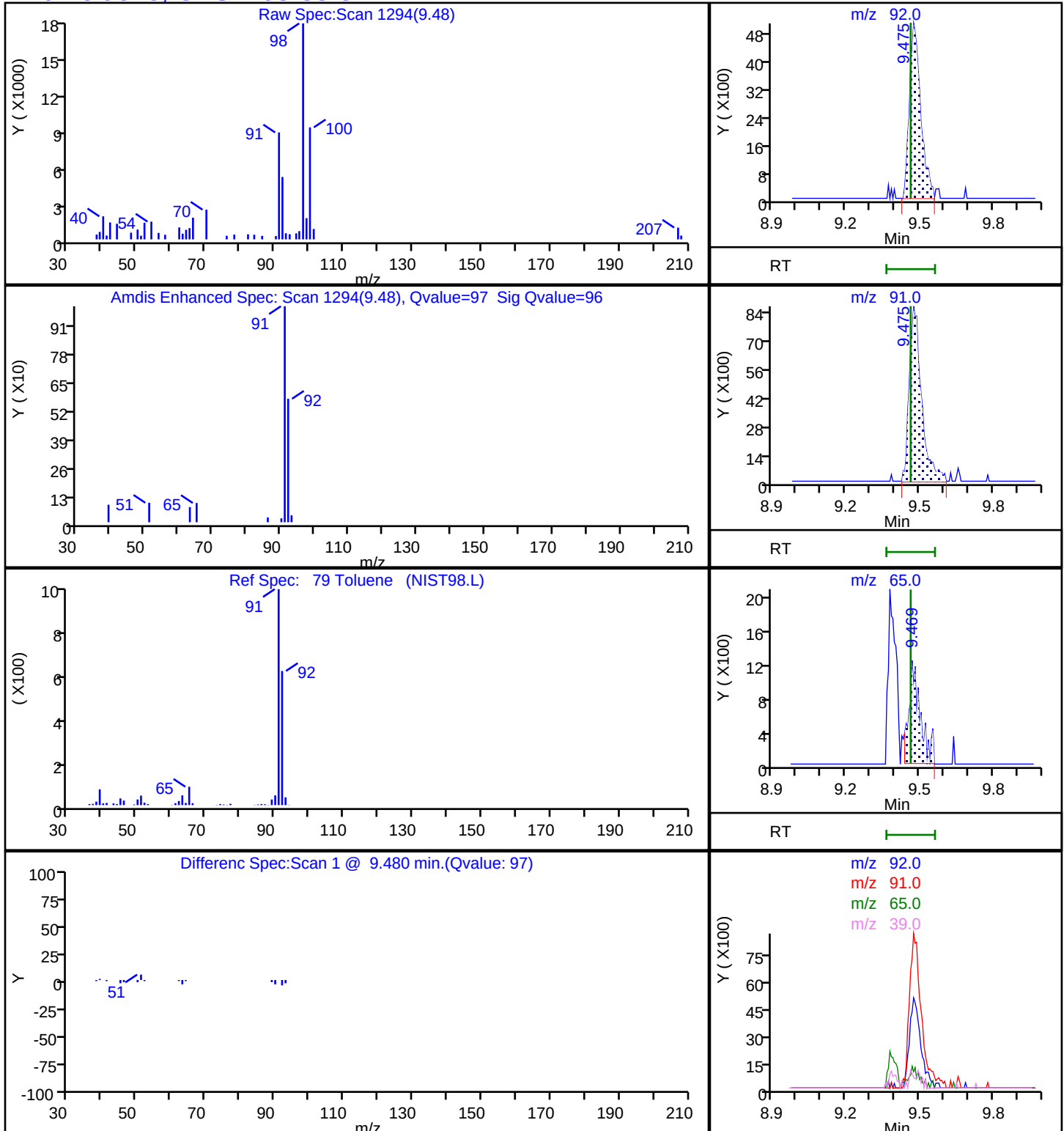
Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X22.D  
Injection Date: 03-Jul-2025 16:12:30 Instrument ID: 19930  
Lims ID: 410-229793-A-11 Lab Sample ID: 410-229793-11  
Client ID: HD-COD-SW-28-0/1-0  
Operator ID: ecr105096 ALS Bottle#: 22 Worklist Smp#: 22  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column (0.25mm ID) MS Quad

**79 Toluene, CAS: 108-88-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X22.D

Injection Date: 03-Jul-2025 16:12:30

Instrument ID: 19930

Lims ID: 410-229793-A-11

Lab Sample ID: 410-229793-11

Client ID: HD-COD-SW-28-0/1-0

Operator ID: ecr105096

ALS Bottle#: 22

Worklist Smp#: 22

Purge Vol: 25.000 mL

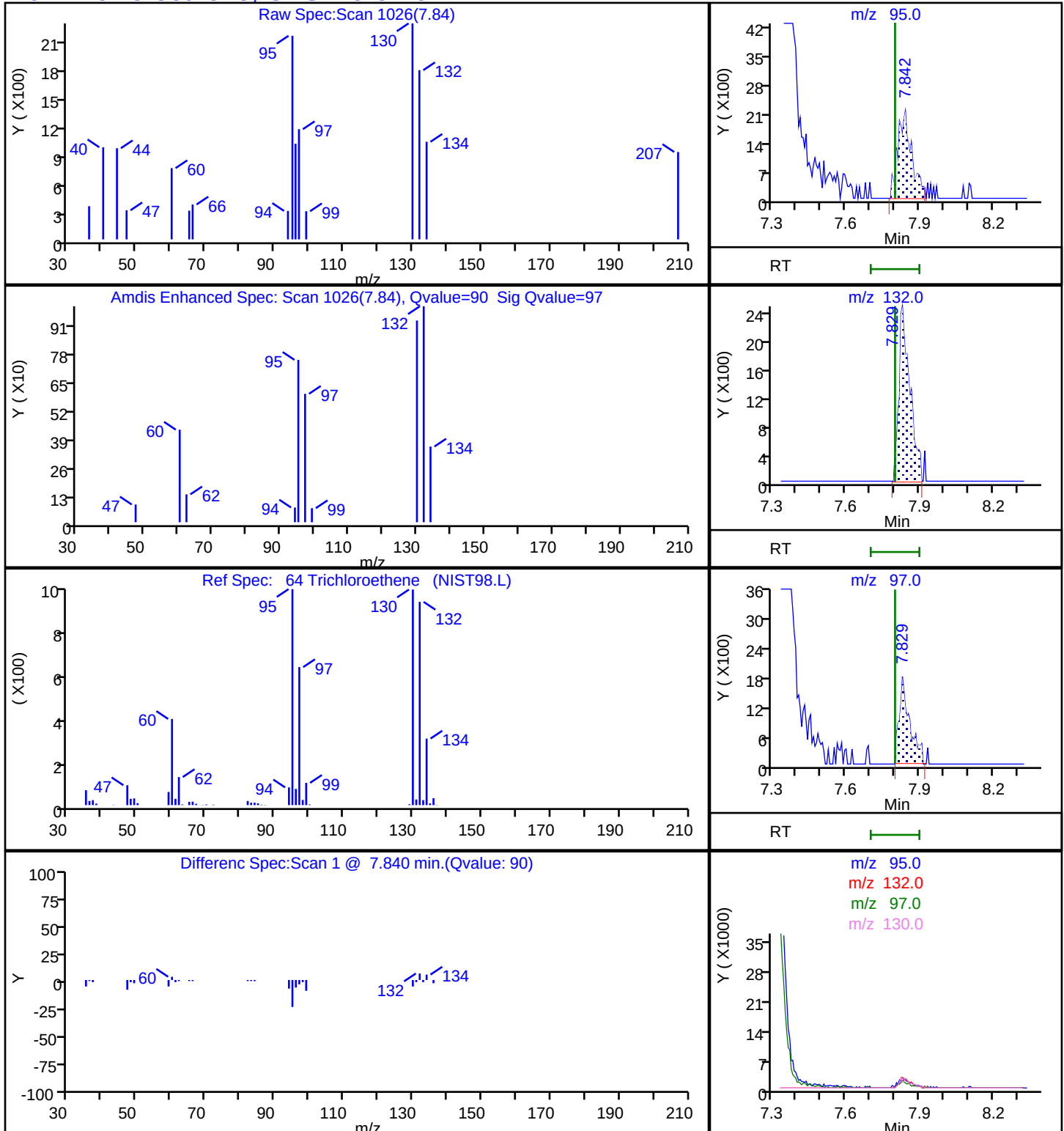
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25 mm ID) x 30 m

MS Quad

**64 Trichloroethene, CAS: 79-01-6**

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-29-0/1-0

Lab Sample ID: 410-229793-12

Matrix: Water

Lab File ID: IL03X23.D

Analysis Method: 8260D

Date Collected: 06/25/2025 06:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 16:33

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     |       | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 0.091  | J     | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 0.11   | J     | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | 0.36   | J     | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-29-0/1-0      Lab Sample ID: 410-229793-12

Matrix: Water      Lab File ID: IL03X23.D

Analysis Method: 8260D      Date Collected: 06/25/2025 06:00

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 16:33

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 0.099  | J | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 0.11   | J | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 117  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 94   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 112  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 100  |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X23.D  
 Lims ID: 410-229793-A-12  
 Client ID: HD-COD-SW-29-0/1-0  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 16:33:30 ALS Bottle#: 23 Worklist Smp#: 23  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-023  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:29:33 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:31:08

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  | 1.995     | 1.983         | 0.012         | 13 | 4073     | 0.0389         |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             | 7     |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             | 7     |
| 16 Acetone                         | 43  | 3.288     | 3.239         | 0.049         | 77 | 13110    | 1.22           |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.842     | 3.830         | 0.012         | 23 | 163457   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.732     | 5.696         | 0.036         | 72 | 7866     | 0.1085         |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.214     | 6.190         | 0.024         | 92 | 11545    | 0.0909         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 94 | 576408   | 11.2           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          | ND             | 7     |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.872     | 6.866         | 0.006         | 62 | 122500   | 11.7           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             | 7     |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 99 | 2088788  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.836     | 7.799         | 0.037         | 93 | 8623     | 0.1129         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             | 7     |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 94 | 2117123  | 9.98           |       |
| 79 Toluene                         | 92  | 9.476     | 9.463         | 0.013         | 98 | 18429    | 0.0986         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.055    | 10.043        | 0.012         | 95 | 32761    | 0.3601         |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             | 7     |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1609745  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.164    | 11.140        | 0.024         | 92 | 7500     | 0.0528         |       |
| S 110 Xylenes, Total               | 106 |           |               |               | 0  |          | 0.0795         |       |
| 114 o-Xylene                       | 106 | 11.506    | 11.469        | 0.037         | 92 | 3639     | 0.0268         |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 729406   | 9.39           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 891661   | 10.0           |       |

**QC Flag Legend**

Processing Flags

7 - Failed Limit of Detection

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent



Report Date: 04-Jul-2025 12:31:09

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X23.D

Injection Date: 03-Jul-2025 16:33:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-12

Lab Sample ID: 410-229793-12

Worklist Smp#: 23

Client ID: HD-COD-SW-29-0/1-0

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

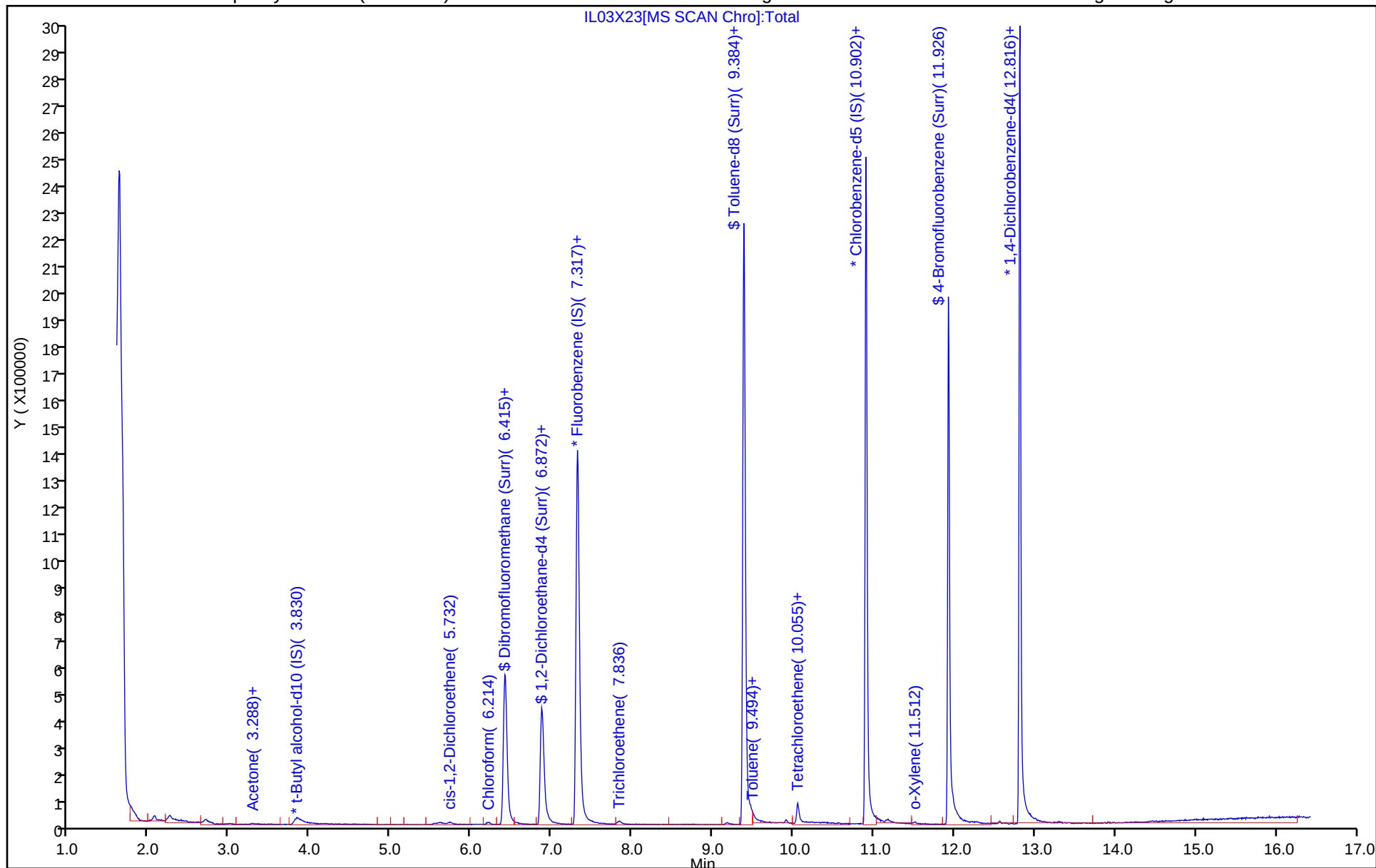
ALS Bottle#: 23

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X23.D  
Lims ID: 410-229793-A-12  
Client ID: HD-COD-SW-29-0/1-0  
Sample Type: Client  
Inject. Date: 03-Jul-2025 16:33:30 ALS Bottle#: 23 Worklist Smp#: 23  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-023  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:29:33 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:31:08

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.2             | 111.71 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.7             | 117.08 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.98             | 99.83  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.39             | 93.92  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X23.D

Injection Date: 03-Jul-2025 16:33:30

Instrument ID: 19930

Lims ID: 410-229793-A-12

Lab Sample ID: 410-229793-12

Client ID: HD-COD-SW-29-0/1-0

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 23

Purge Vol: 25.000 mL

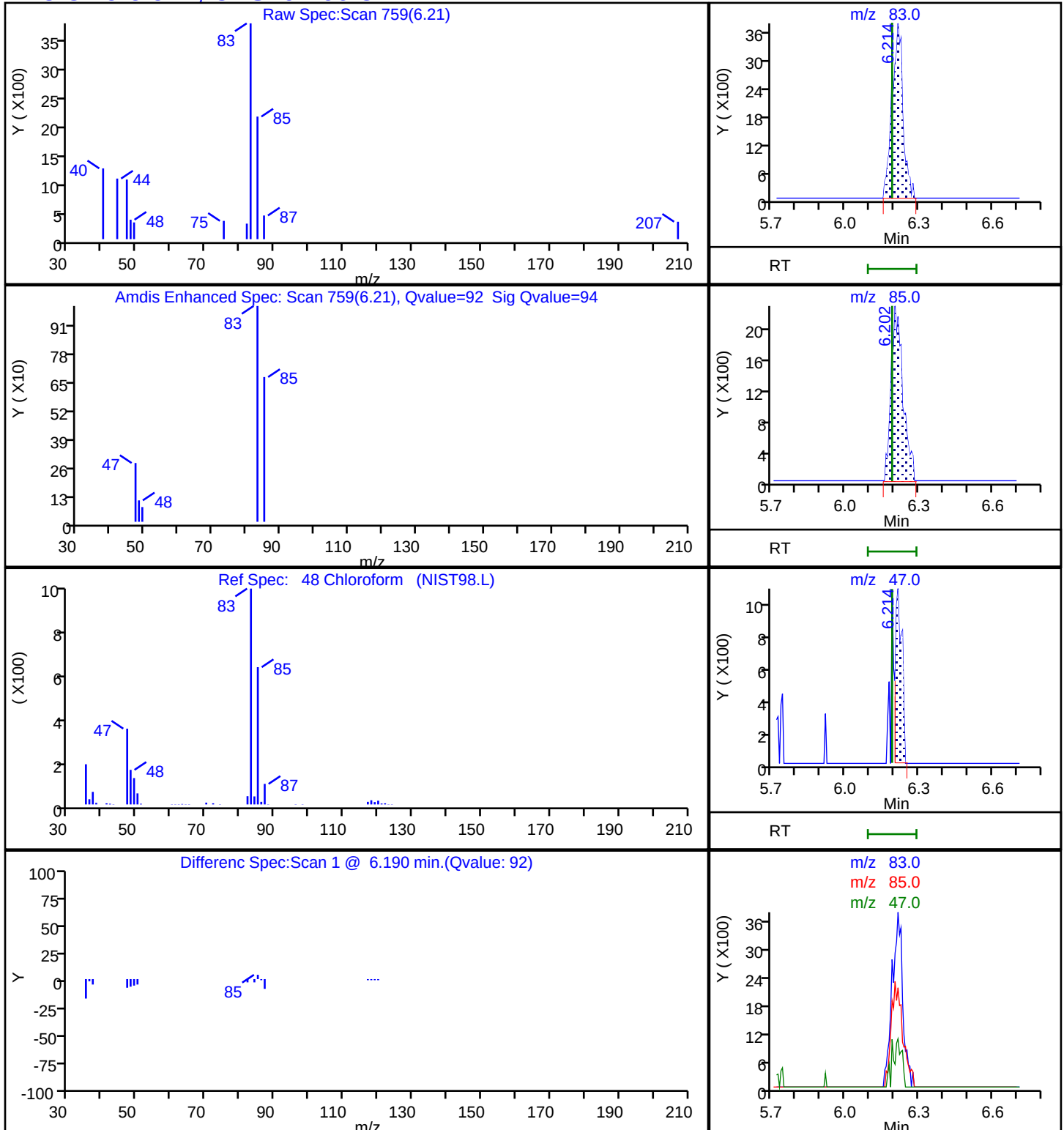
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**48 Chloroform, CAS: 67-66-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X23.D

Injection Date: 03-Jul-2025 16:33:30

Instrument ID: 19930

Lims ID: 410-229793-A-12

Lab Sample ID: 410-229793-12

Client ID: HD-COD-SW-29-0/1-0

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 23

Purge Vol: 25.000 mL

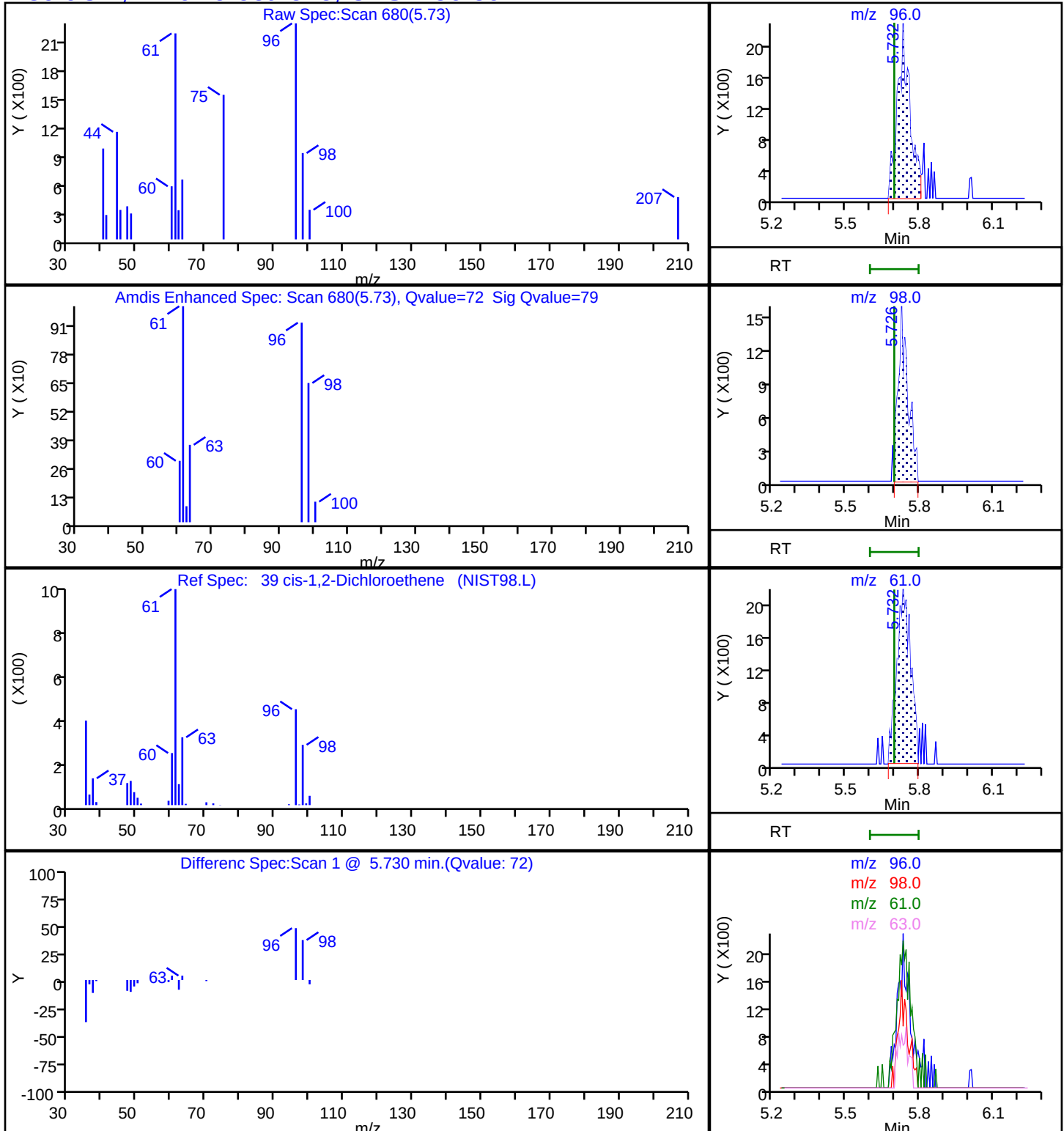
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X23.D

Injection Date: 03-Jul-2025 16:33:30

Instrument ID: 19930

Lims ID: 410-229793-A-12

Lab Sample ID: 410-229793-12

Client ID: HD-COD-SW-29-0/1-0

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 23

Purge Vol: 25.000 mL

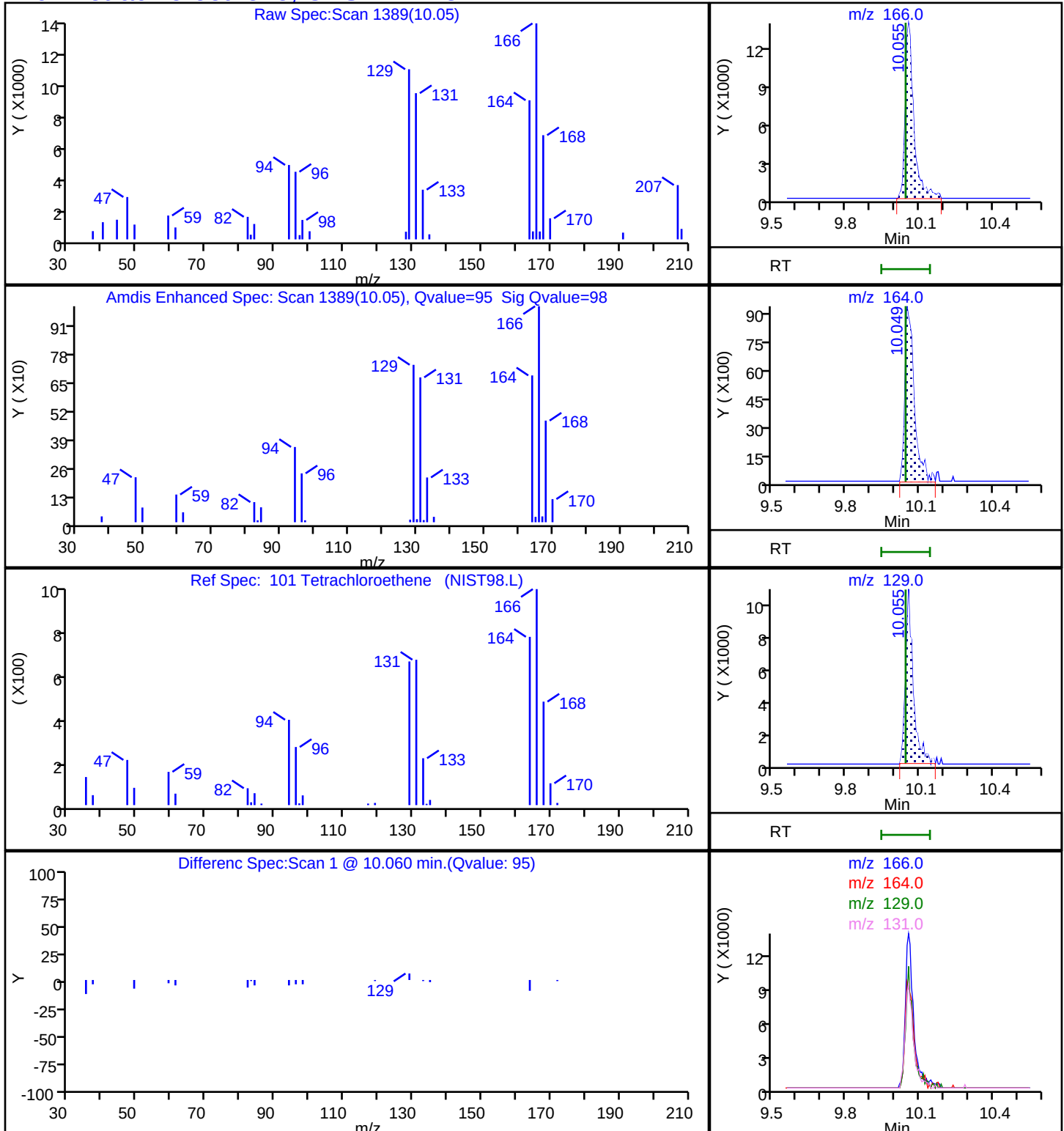
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X23.D

Injection Date: 03-Jul-2025 16:33:30

Instrument ID: 19930

Lims ID: 410-229793-A-12

Lab Sample ID: 410-229793-12

Client ID: HD-COD-SW-29-0/1-0

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 23

Purge Vol: 25.000 mL

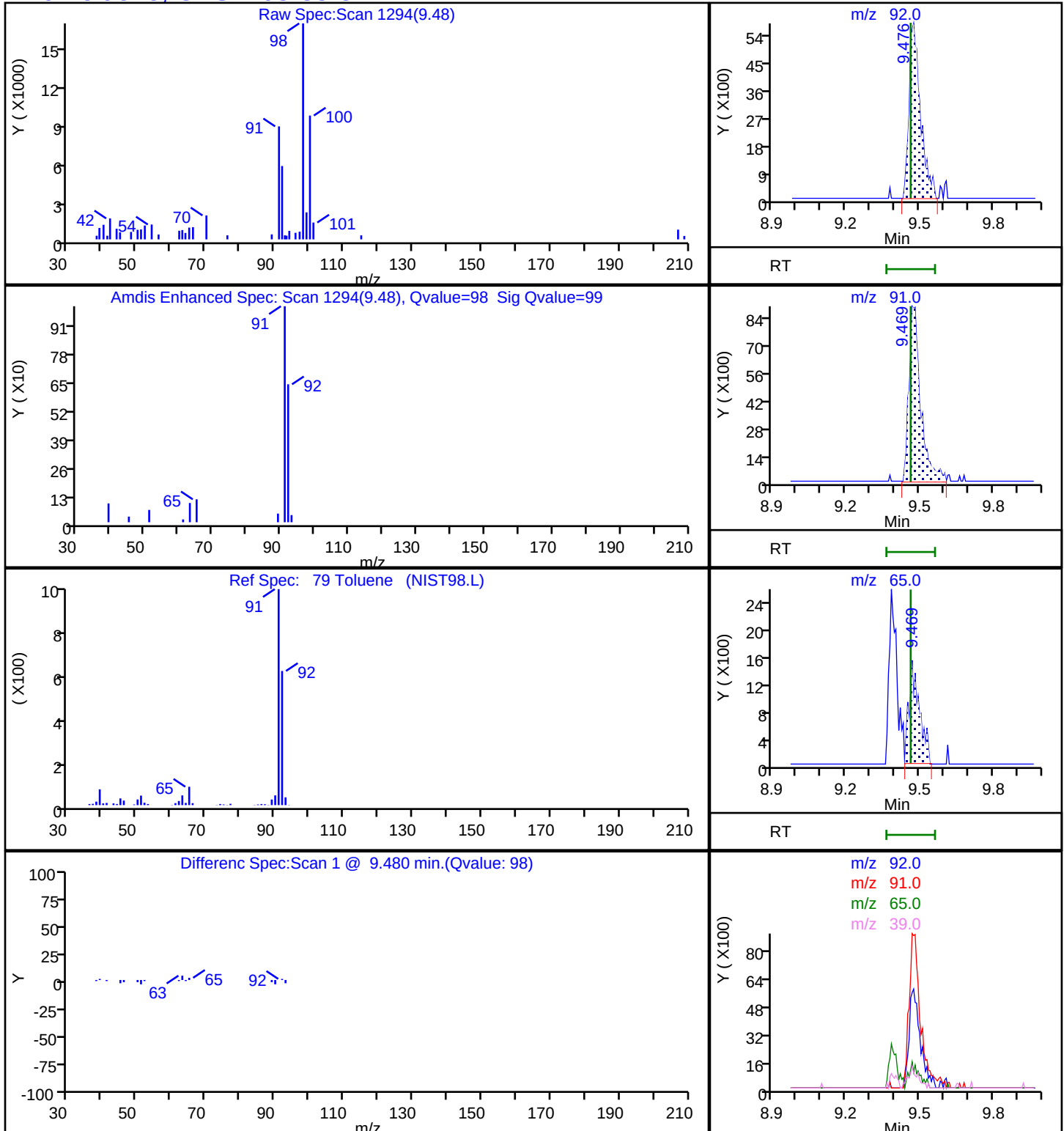
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**79 Toluene, CAS: 108-88-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X23.D

Injection Date: 03-Jul-2025 16:33:30

Instrument ID: 19930

Lims ID: 410-229793-A-12

Lab Sample ID: 410-229793-12

Client ID: HD-COD-SW-29-0/1-0

Operator ID: ecr105096

ALS Bottle#: 23

Worklist Smp#: 23

Purge Vol: 25.000 mL

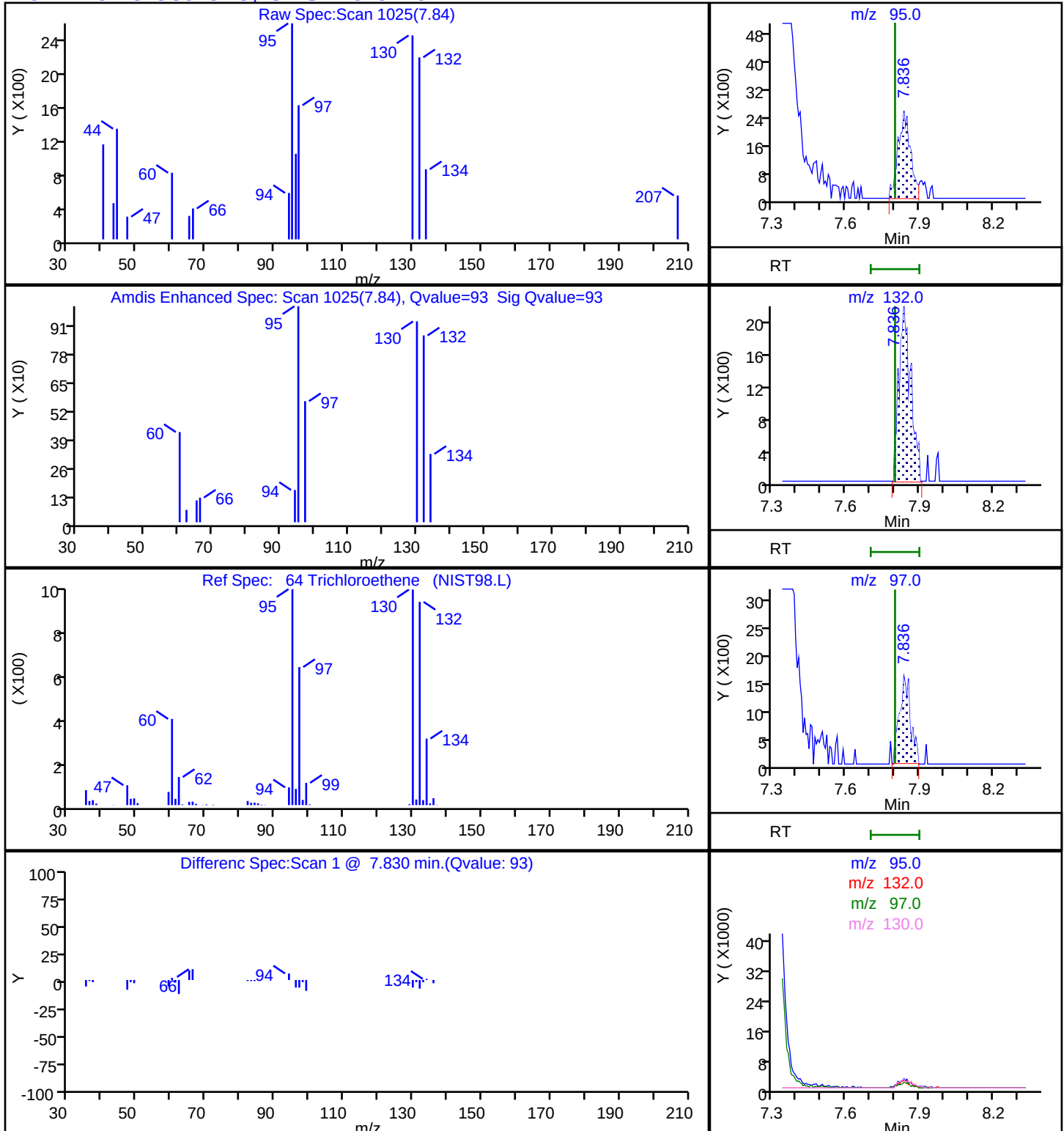
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**64 Trichloroethene, CAS: 79-01-6**

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1

Lab Sample ID: 410-229793-13

Matrix: Water

Lab File ID: IL03X26.D

Analysis Method: 8260D

Date Collected: 06/25/2025 08:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 17:34

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | 11     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | 1.7    |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | 0.81   |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     |       | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 0.18   | J     | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 2.4    |       | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 108-88-3   | Toluene                     | ND     |       | 0.50 | 0.080 |



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| Lab Name: Eurofins Lancaster Laboratories<br>Environment Testing, LLC | Job No.: 410-229793-1                   |
| SDG No.:                                                              |                                         |
| Client Sample ID: HD-QC1-0/1-1                                        | Lab Sample ID: 410-229793-13            |
| Matrix: Water                                                         | Lab File ID: IL03X26.D                  |
| Analysis Method: 8260D                                                | Date Collected: 06/25/2025 08:00        |
| Sample wt/vol: 25 (mL)                                                | Date Analyzed: 07/03/2025 17:34         |
| Soil Aliquot Vol:                                                     | Dilution Factor: 1                      |
| Soil Extract Vol.:                                                    | GC Column: R-624SilMS 30m ID: 0.25 (mm) |
| Purge Volume: 25.0 (mL)                                               | Heated Purge: (Y/N) N pH:               |
| % Moisture: % Solids:                                                 | Level: (low/med) Low                    |
| Analysis Batch No.: 666534                                            | Units: ug/L                             |
| Preparation Batch No.:                                                | Instrument ID: 19930                    |

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 3.6    |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 113  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 89   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 112  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 94   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D  
 Lims ID: 410-229793-A-13  
 Client ID: HD-QC1-0/1-1  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 17:34:30 ALS Bottle#: 26 Worklist Smp#: 26  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-026  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:33:35 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:33:35

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  |           | 1.983         |               |    |          | ND             | 7     |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             | 7     |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             |       |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  | 3.239     | 3.221         | 0.018         | 98 | 48895    | 0.8147         |       |
| 16 Acetone                         | 43  |           | 3.239         |               |    |          | ND             |       |
| 20 Carbon disulfide                | 76  | 3.526     | 3.501         | 0.025         | 63 | 7452     | 0.0385         |       |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.849     | 3.830         | 0.019         | 22 | 148776   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             | 7     |
| 30 trans-1,2-Dichloroethene        | 96  | 4.233     | 4.196         | 0.037         | 40 | 2987     | 0.0449         |       |
| 32 1,1-Dichloroethane              | 63  | 4.861     | 4.848         | 0.013         | 96 | 216151   | 1.69           |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.720     | 5.696         | 0.024         | 79 | 176525   | 2.37           |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  | 6.208     | 6.190         | 0.018         | 91 | 23789    | 0.1823         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 93 | 592442   | 11.2           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.421     | 6.415         | 0.006         | 98 | 1180632  | 10.6           |       |
| 54 Carbon tetrachloride            | 117 | 6.641     | 6.635         | 0.006         | 11 | 3271     | 0.0334         |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.879     | 6.866         | 0.013         | 62 | 121406   | 11.3           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             | 7     |
| * 61 Fluorobenzene (IS)            | 96  | 7.324     | 7.317         | 0.007         | 99 | 2144573  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.817     | 7.799         | 0.018         | 97 | 283310   | 3.61           |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 94 | 2119504  | 9.38           |       |
| 79 Toluene                         | 92  | 9.470     | 9.463         | 0.007         | 84 | 5140     | 0.0258         |       |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             | U     |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.043    | 10.043        | 0.000         | 97 | 15161722 | 156.5          | E     |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             |       |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1714794  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             | 7     |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             | 7     |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 737241   | 8.91           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 931815   | 10.0           |       |

### QC Flag Legend

#### Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

#### Review Flags

U - Marked Undetected

### Reagents:

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D

Injection Date: 03-Jul-2025 17:34:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-13

Lab Sample ID: 410-229793-13

Worklist Smp#: 26

Client ID: HD-QC1-0/1-1

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

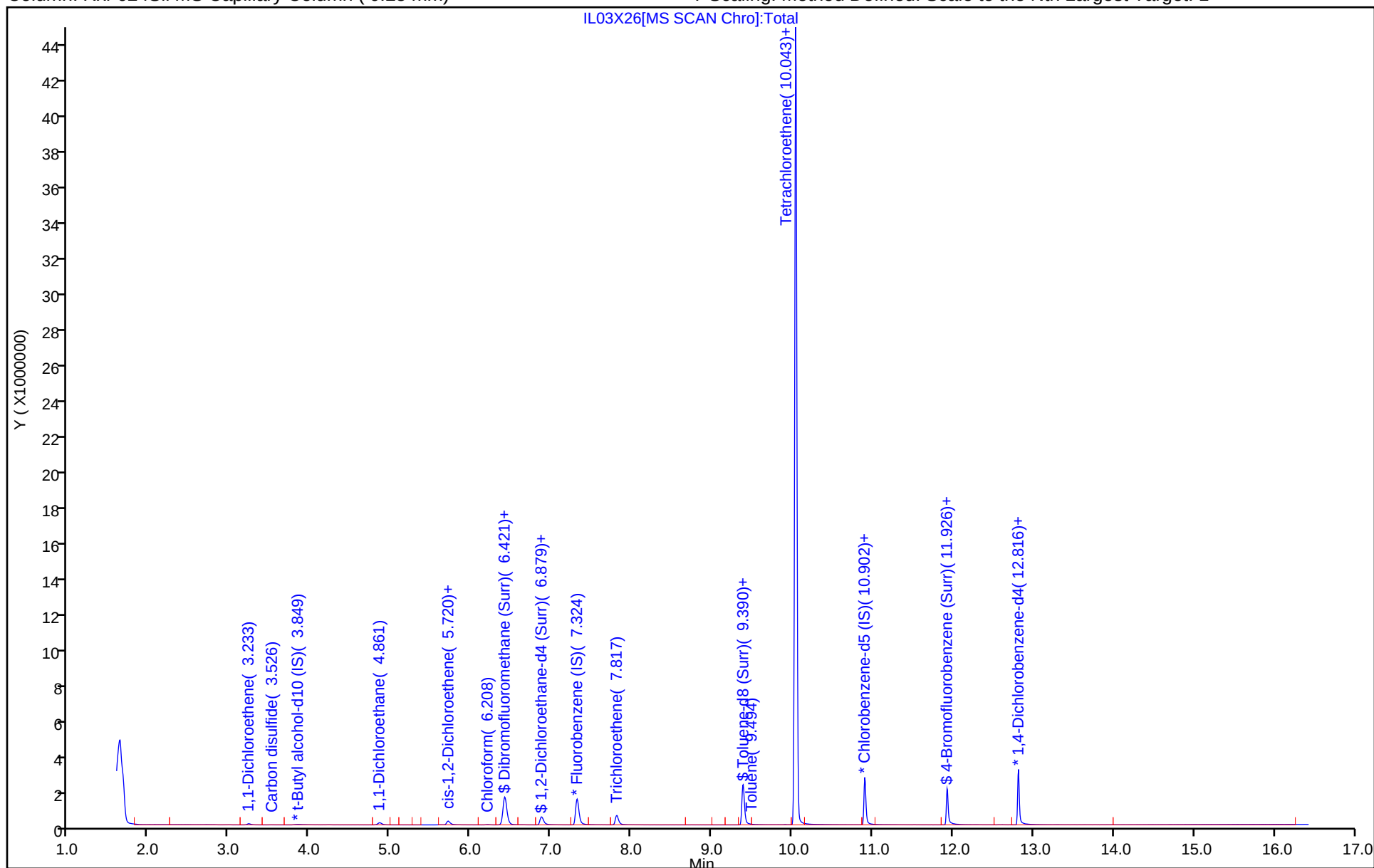
ALS Bottle#: 26

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D  
Lims ID: 410-229793-A-13  
Client ID: HD-QC1-0/1-1  
Sample Type: Client  
Inject. Date: 03-Jul-2025 17:34:30 ALS Bottle#: 26 Worklist Smp#: 26  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-026  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:33:35 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:33:35

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.2             | 111.83 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.3             | 113.02 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.38             | 93.82  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 8.91             | 89.11  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D

Injection Date: 03-Jul-2025 17:34:30

Instrument ID: 19930

Lims ID: 410-229793-A-13

Lab Sample ID: 410-229793-13

Client ID: HD-QC1-0/1-1

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 26

Purge Vol: 25.000 mL

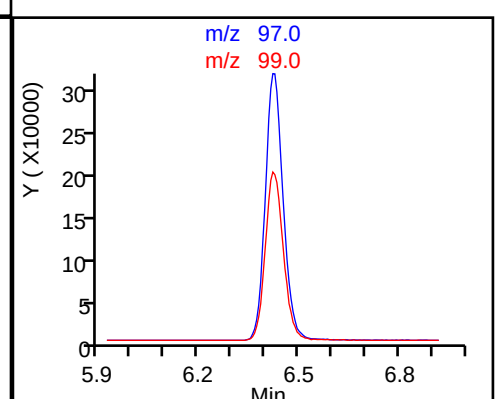
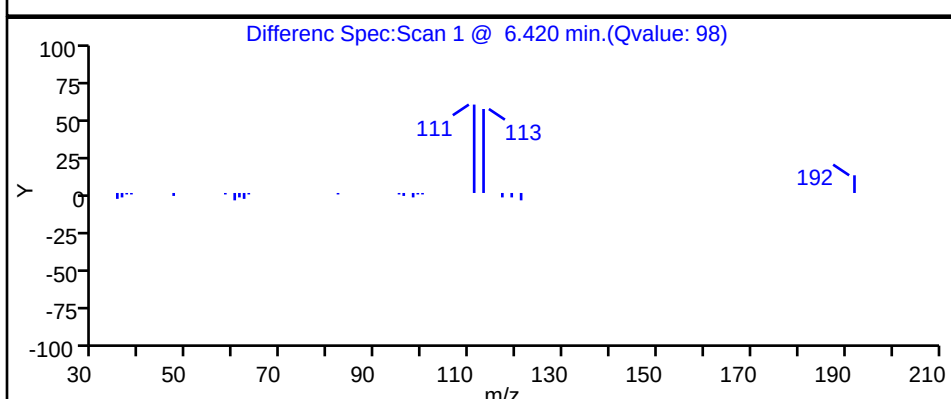
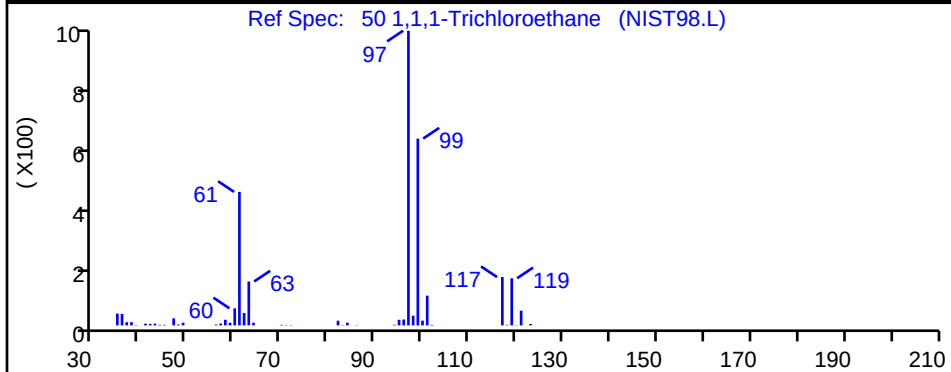
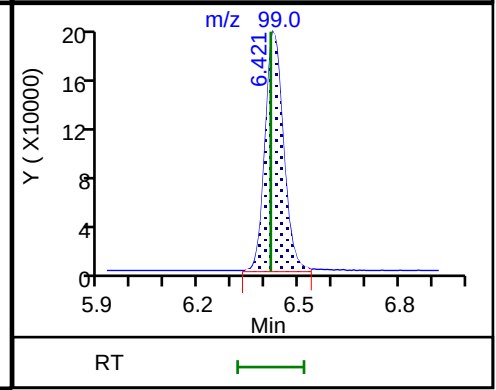
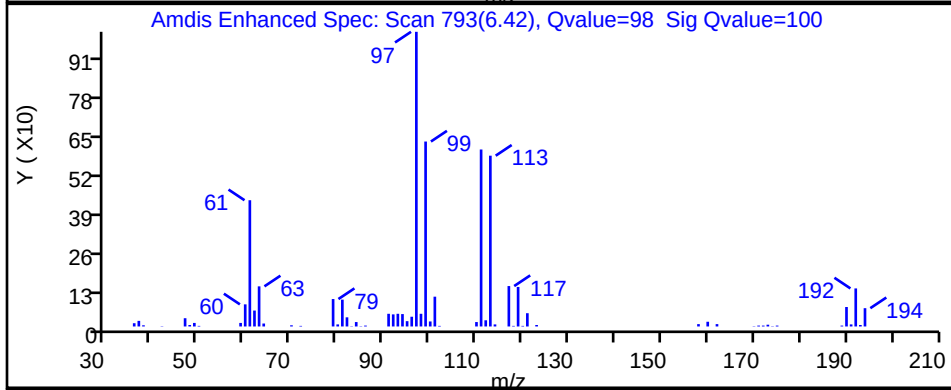
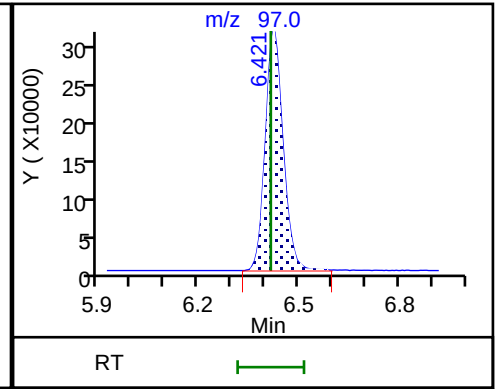
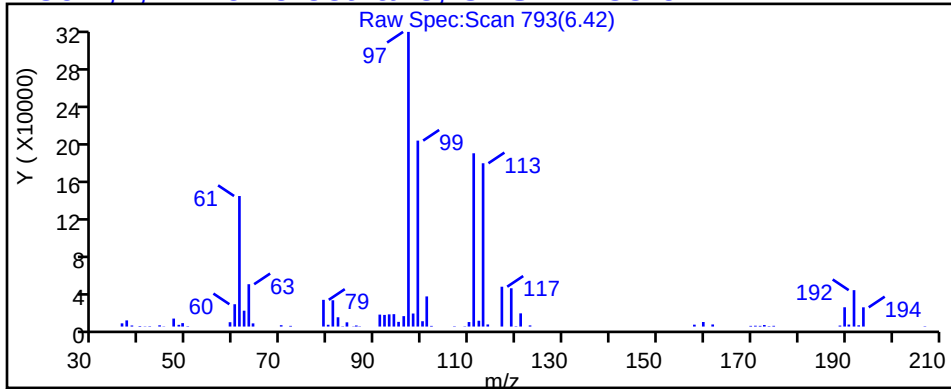
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**50 1,1,1-Trichloroethane, CAS: 71-55-6**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D

Injection Date: 03-Jul-2025 17:34:30

Instrument ID: 19930

Lims ID: 410-229793-A-13

Lab Sample ID: 410-229793-13

Client ID: HD-QC1-0/1-1

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 26

Purge Vol: 25.000 mL

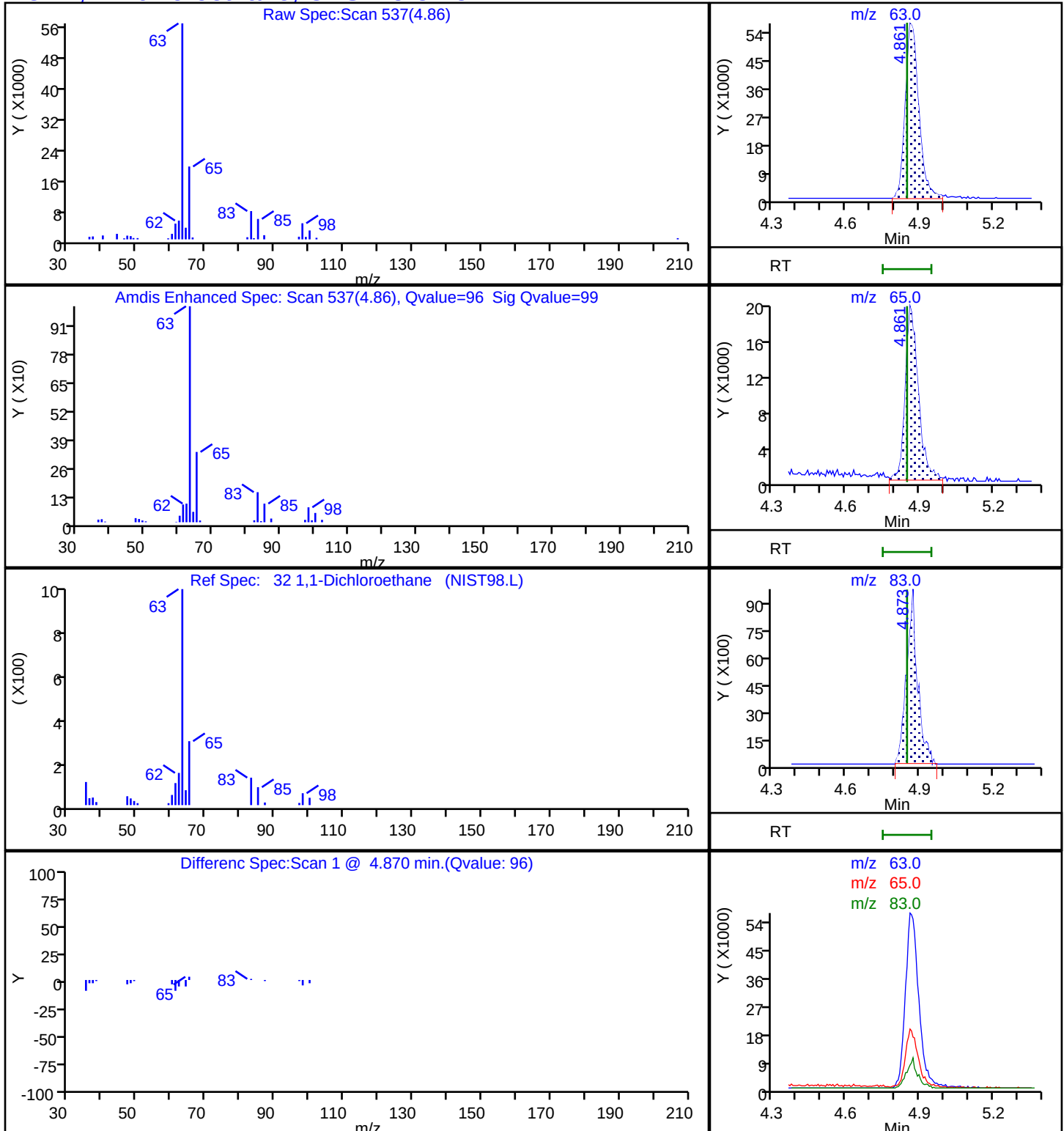
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**32 1,1-Dichloroethane, CAS: 75-34-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D

Injection Date: 03-Jul-2025 17:34:30

Instrument ID: 19930

Lims ID: 410-229793-A-13

Lab Sample ID: 410-229793-13

Client ID: HD-QC1-0/1-1

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 26

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

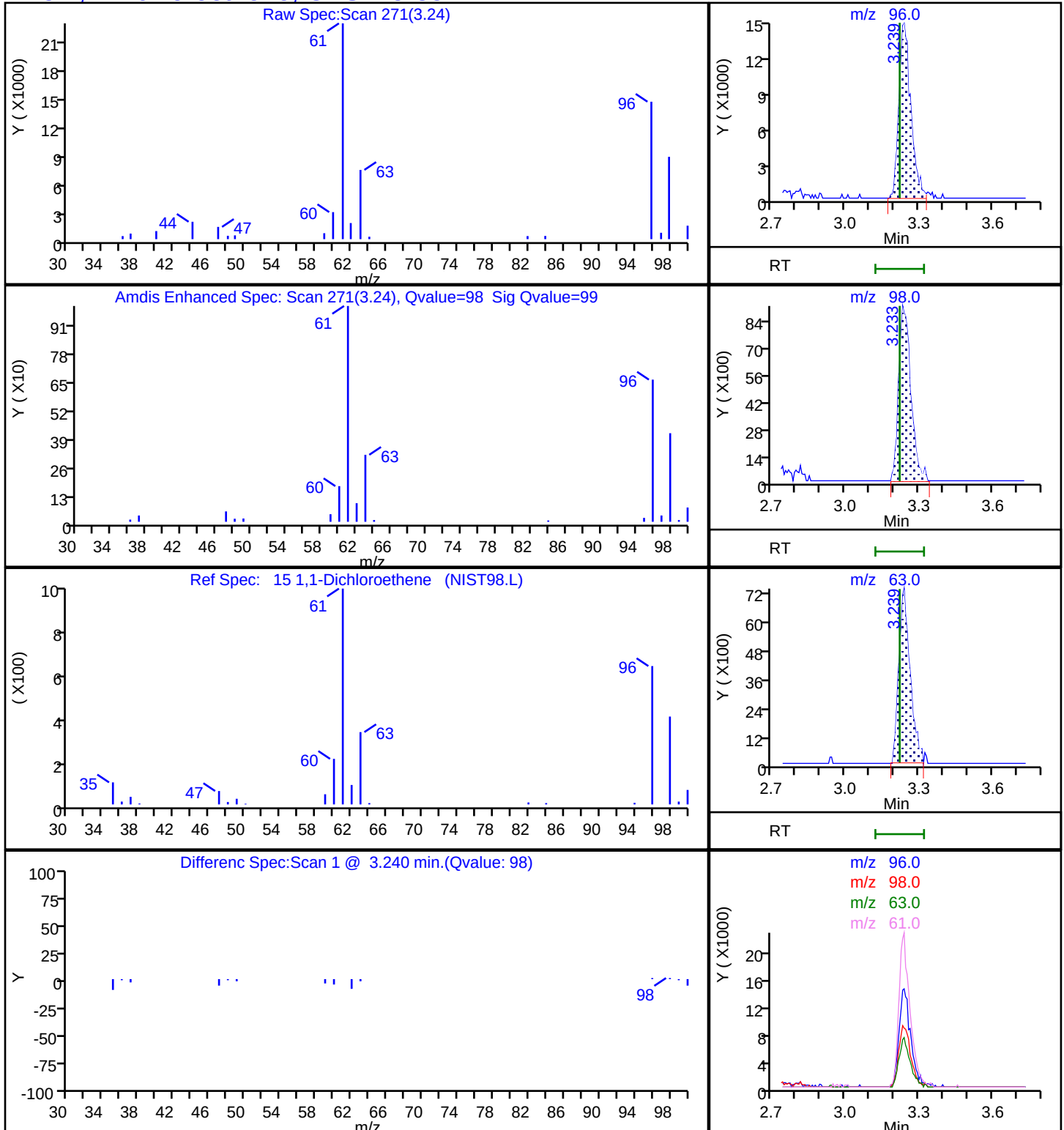
Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

## 15 1,1-Dichloroethene, CAS: 75-35-4





## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D

Injection Date: 03-Jul-2025 17:34:30

Instrument ID: 19930

Lims ID: 410-229793-A-13

Lab Sample ID: 410-229793-13

Client ID: HD-QC1-0/1-1

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 26

Purge Vol: 25.000 mL

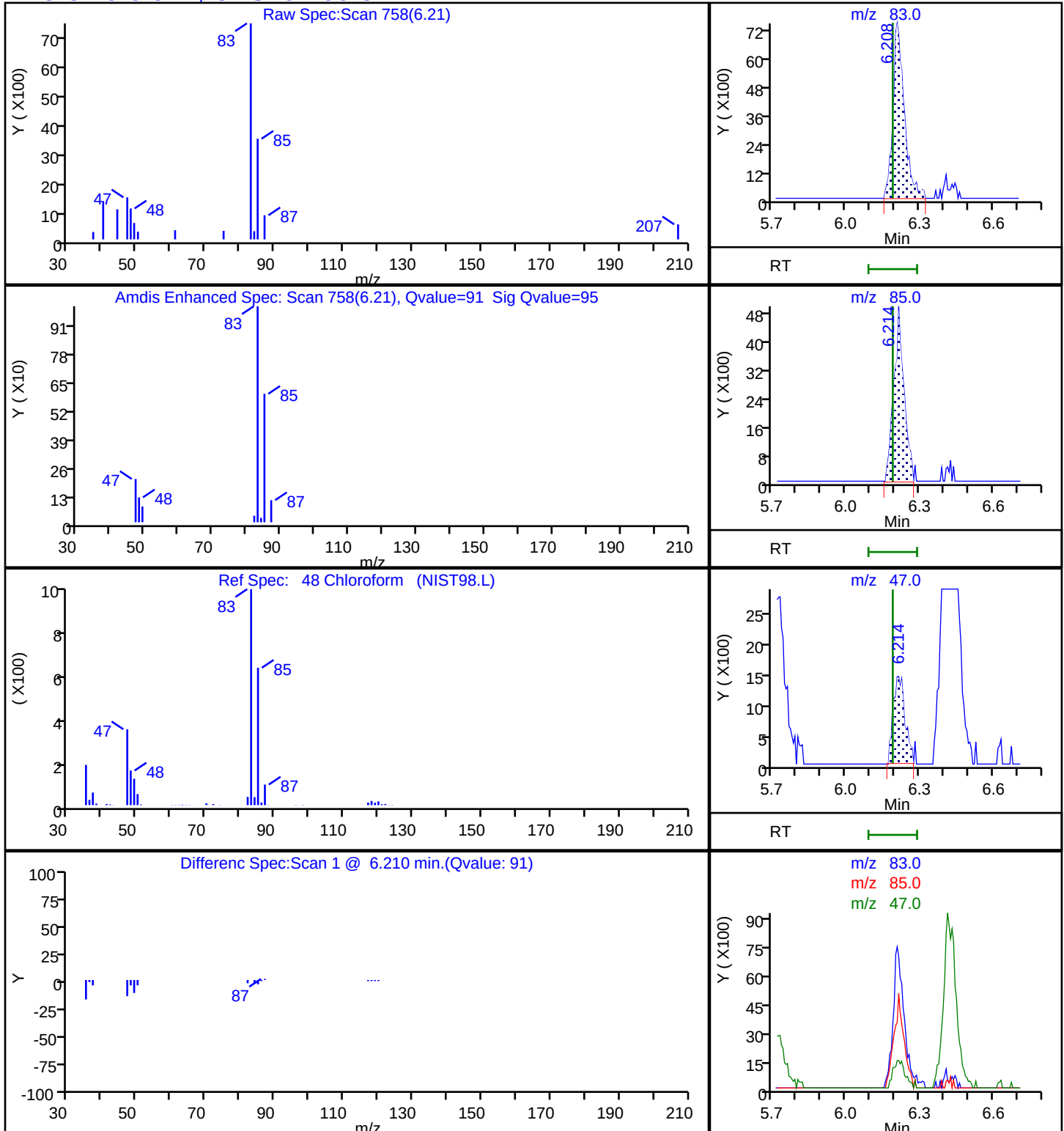
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

**48 Chloroform, CAS: 67-66-3**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D

Injection Date: 03-Jul-2025 17:34:30

Instrument ID: 19930

Lims ID: 410-229793-A-13

Lab Sample ID: 410-229793-13

Client ID: HD-QC1-0/1-1

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 26

Purge Vol: 25.000 mL

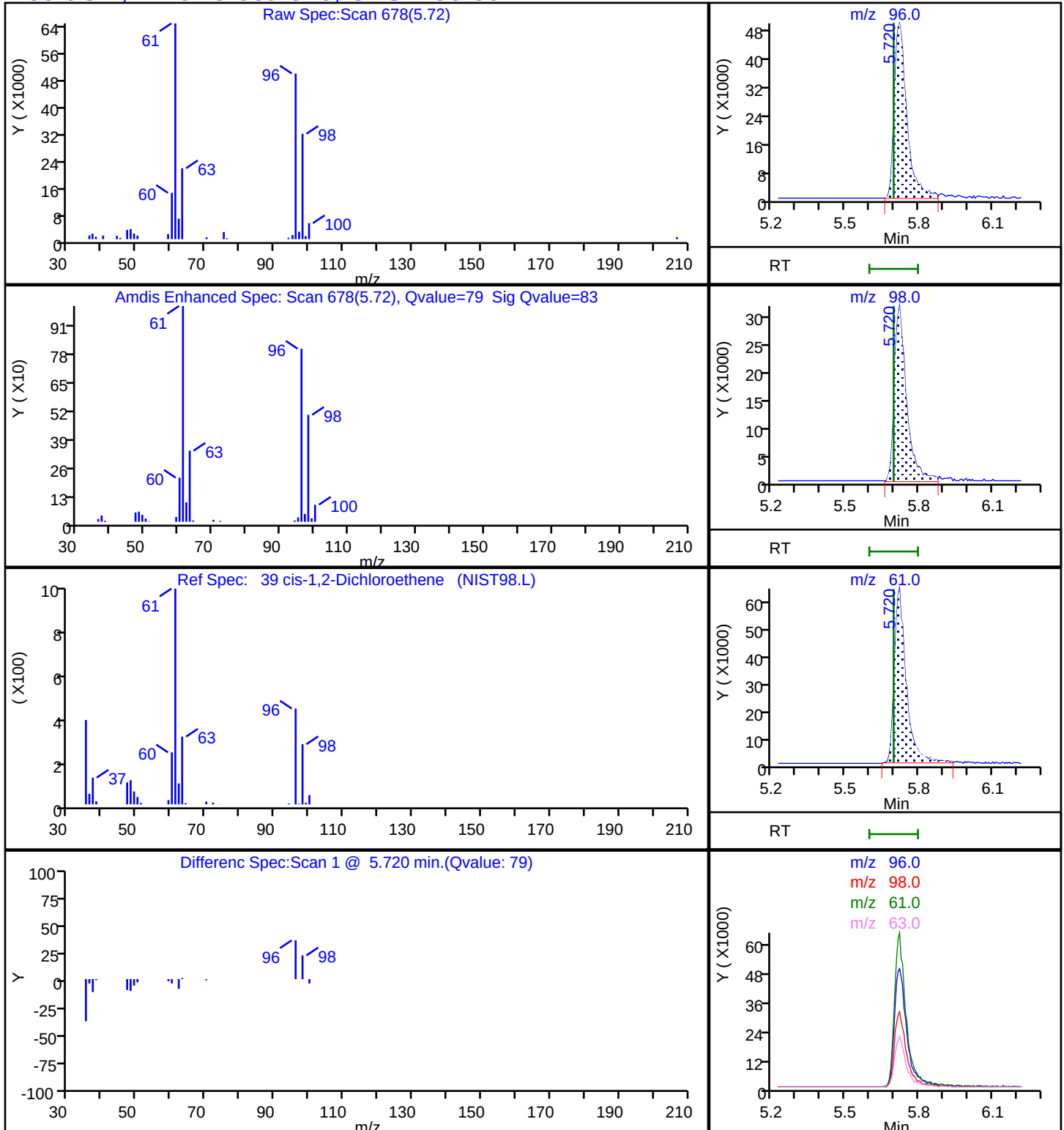
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID) x 30m

MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D

Injection Date: 03-Jul-2025 17:34:30

Instrument ID: 19930

Lims ID: 410-229793-A-13

Lab Sample ID: 410-229793-13

Client ID: HD-QC1-0/1-1

Operator ID: ecr105096

ALS Bottle#: 26

Worklist Smp#: 26

Purge Vol: 25.000 mL

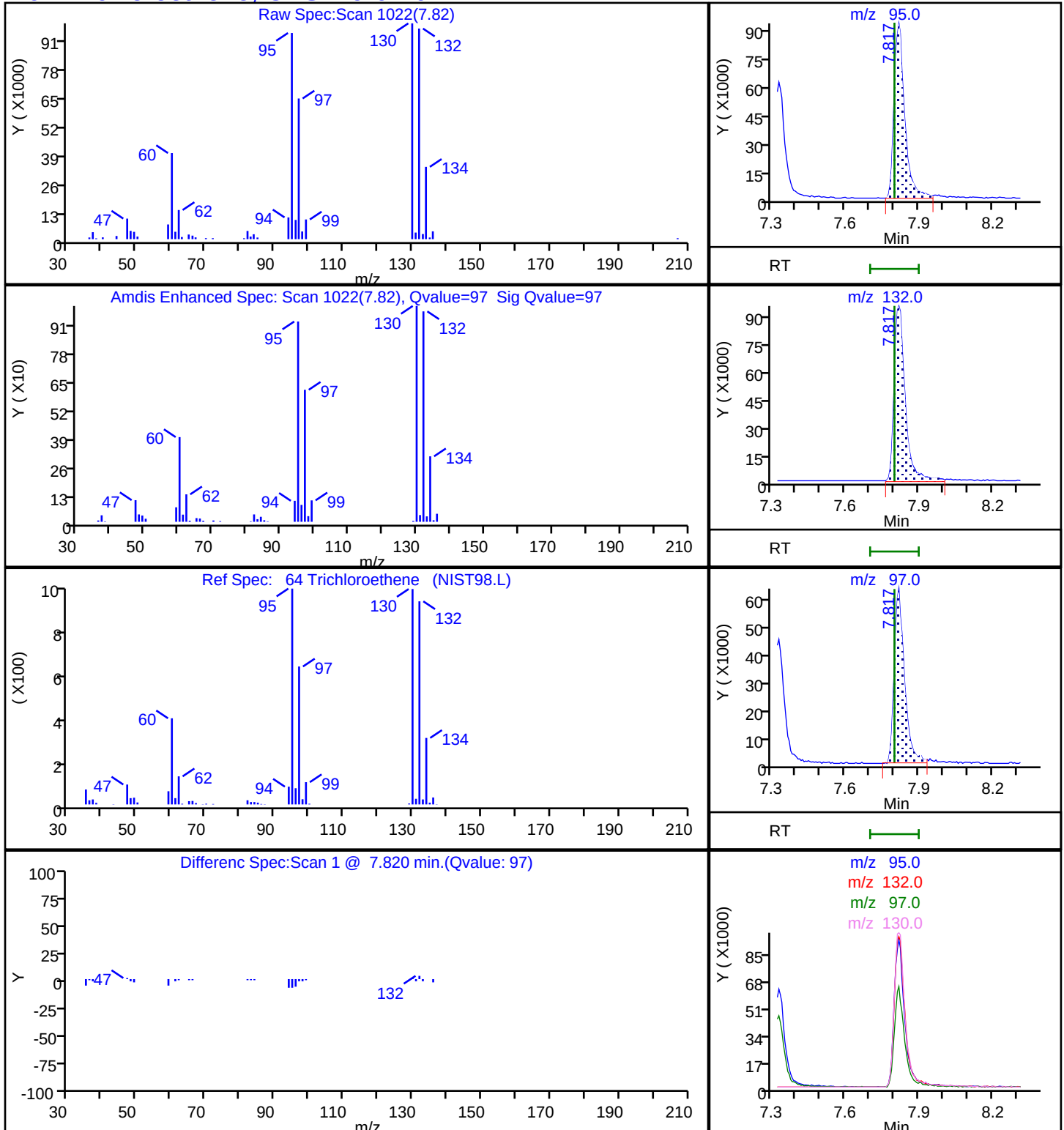
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

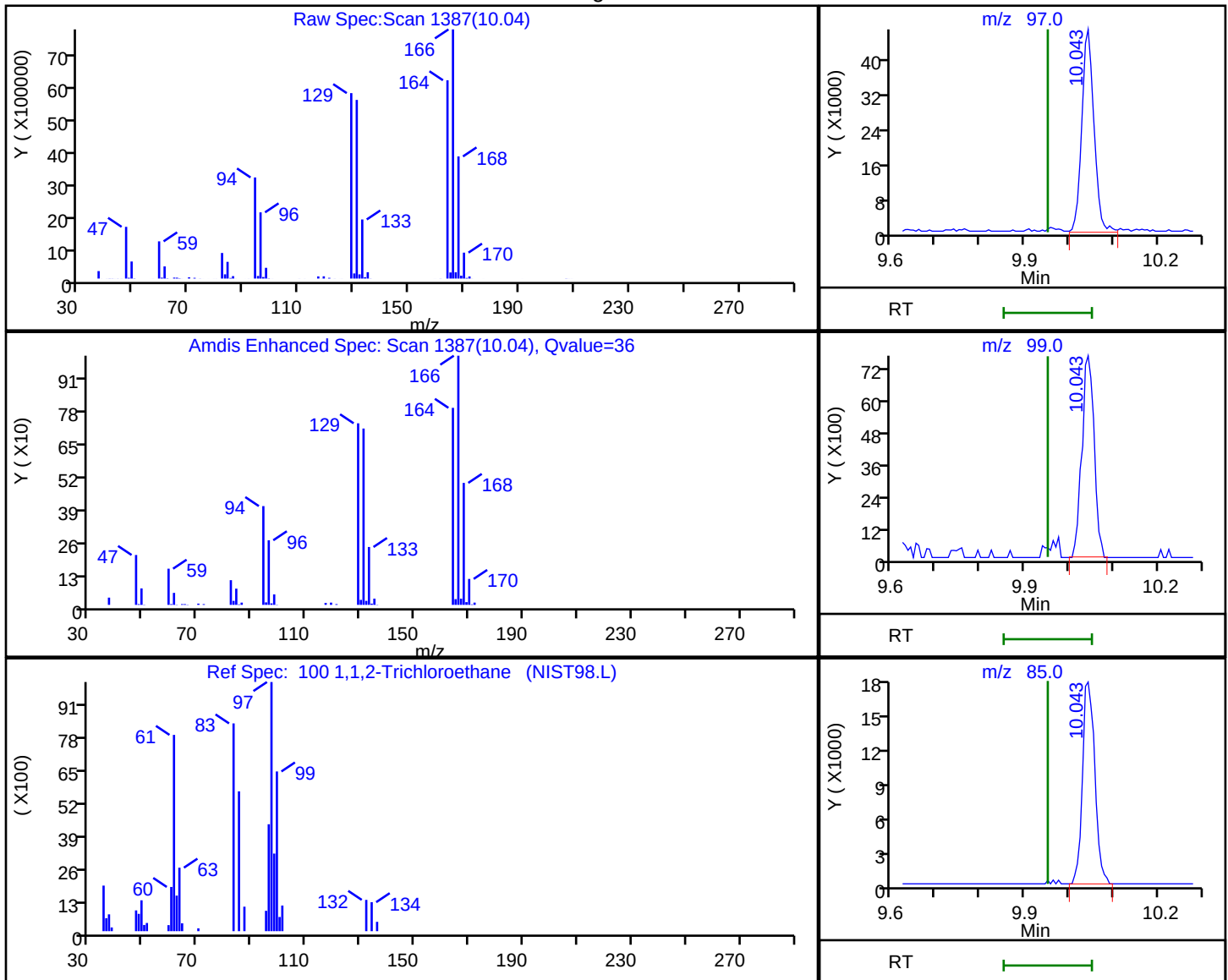
**64 Trichloroethene, CAS: 79-01-6**

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X26.D  
Injection Date: 03-Jul-2025 17:34:30 Instrument ID: 19930  
Lims ID: 410-229793-A-13 Lab Sample ID: 410-229793-13  
Client ID: HD-QC1-0/1-1  
Operator ID: ecr105096 ALS Bottle#: 26 Worklist Smp#: 26  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

## 100 1,1,2-Trichloroethane, CAS: 79-00-5

## Processing Results



| RT    | Mass  | Response | Amount   |
|-------|-------|----------|----------|
| 10.04 | 97.00 | 88924    | 1.497141 |
| 10.04 | 99.00 | 14742    |          |
| 10.04 | 85.00 | 34475    |          |
| 10.04 | 83.00 | 251537   |          |

Reviewer: N9NA, 04-Jul-2025 12:33:30 07:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-QC1-0/1-1 DL

Lab Sample ID: 410-229793-13 DL

Matrix: Water

Lab File ID: IL03X27.D

Analysis Method: 8260D

Date Collected: 06/25/2025 08:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 17:54

Soil Aliquot Vol:

Dilution Factor: 20

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.  | COMPOUND NAME     | RESULT | Q | RL | MDL |
|----------|-------------------|--------|---|----|-----|
| 127-18-4 | Tetrachloroethene | 120    |   | 10 | 4.0 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 116  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 90   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 111  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X27.D  
 Lims ID: 410-229793-B-13 DL  
 Client ID: HD-QC1-0/1-1  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 17:54:30 ALS Bottle#: 27 Worklist Smp#: 27  
 Purge Vol: 25.000 mL Dil. Factor: 20.0000  
 Sample Info: 410-0152351-027  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:34:12 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:34:12

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  |           | 1.983         |               |    |          | ND             |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             |       |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  | 3.233     | 3.221         | 0.012         | 15 | 1891     | 0.0327         |       |
| 16 Acetone                         | 43  |           | 3.239         |               |    |          | ND             |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             |       |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             | 7     |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.855     | 3.830         | 0.025         | 33 | 154726   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  | 4.867     | 4.848         | 0.019         | 93 | 9996     | 0.0810         |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.720     | 5.696         | 0.024         | 73 | 7722     | 0.1077         | a     |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  |           | 6.190         |               |    |          | ND             | 7     |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 94 | 567292   | 11.1           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.421     | 6.415         | 0.006         | 69 | 48969    | 0.4549         |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.878     | 6.866         | 0.012         | 63 | 119995   | 11.6           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 99 | 2066691  | 10.0           |       |
| 64 Trichloroethene                 | 95  | 7.835     | 7.799         | 0.036         | 94 | 11288    | 0.1493         |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 94 | 2111367  | 9.79           |       |
| 79 Toluene                         | 92  |           | 9.463         |               |    |          | ND             | 7     |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 | 10.048    | 10.043        | 0.005         | 97 | 568980   | 6.15           |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             |       |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1637481  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             |       |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 713155   | 9.03           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 888418   | 10.0           |       |

**QC Flag Legend**

## Processing Flags

7 - Failed Limit of Detection

## Review Flags

a - User Assigned ID

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X27.D

Injection Date: 03-Jul-2025 17:54:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-B-13 DL

Lab Sample ID: 410-229793-13

Worklist Smp#: 27

Client ID: HD-QC1-0/1-1

Purge Vol: 25.000 mL

Dil. Factor: 20.0000

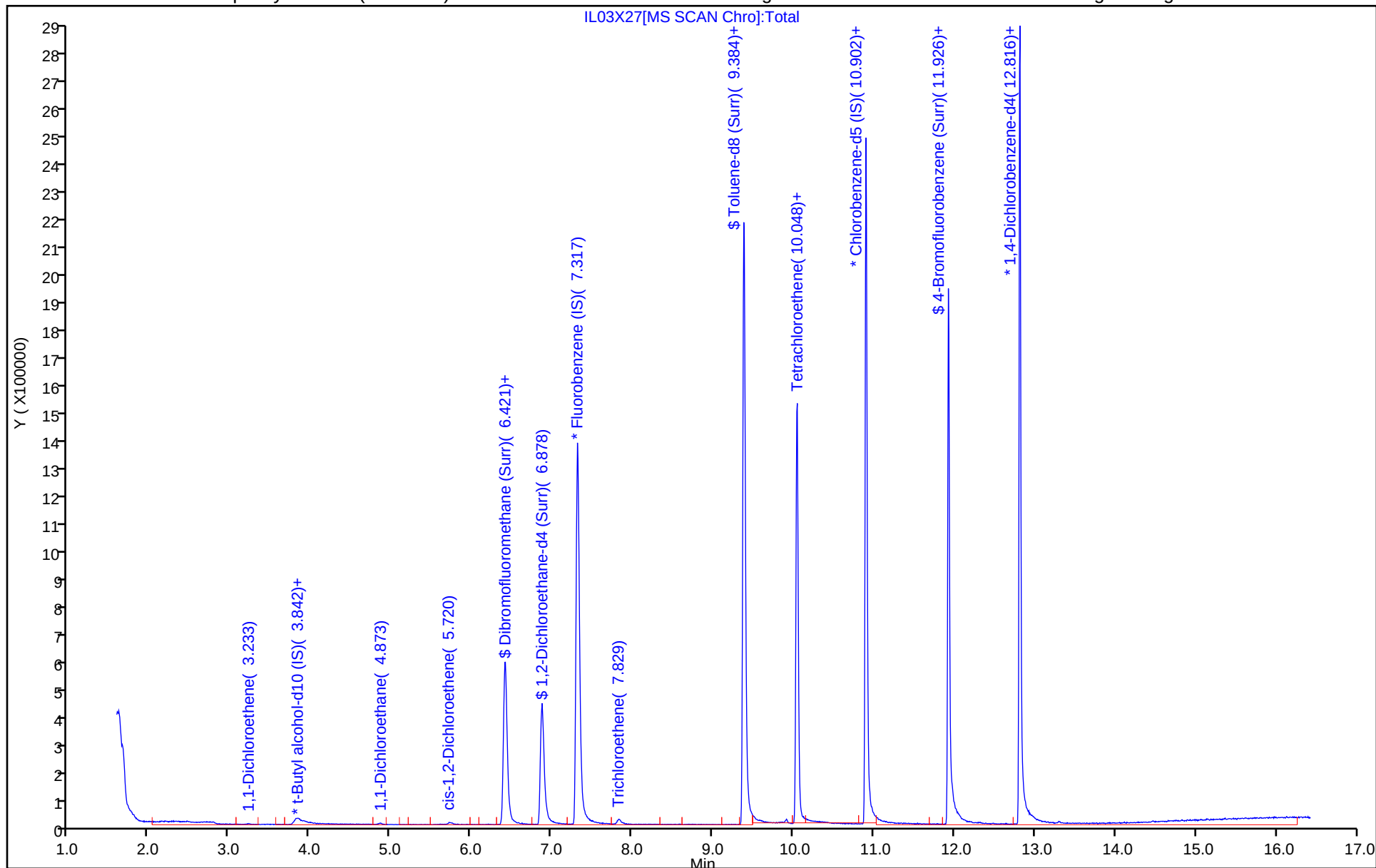
ALS Bottle#: 27

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1





Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X27.D  
Lims ID: 410-229793-B-13 DL  
Client ID: HD-QC1-0/1-1  
Sample Type: Client  
Inject. Date: 03-Jul-2025 17:54:30 ALS Bottle#: 27 Worklist Smp#: 27  
Purge Vol: 25.000 mL Dil. Factor: 20.0000  
Sample Info: 410-0152351-027  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:34:12 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:34:12

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 11.1             | 111.12 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.6             | 115.91 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.79             | 97.87  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.03             | 90.27  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X27.D

Injection Date: 03-Jul-2025 17:54:30

Instrument ID: 19930

Lims ID: 410-229793-B-13 DL

Lab Sample ID: 410-229793-13

Client ID: HD-QC1-0/1-1

Operator ID: ecr105096

ALS Bottle#: 27

Worklist Smp#: 27

Purge Vol: 25.000 mL

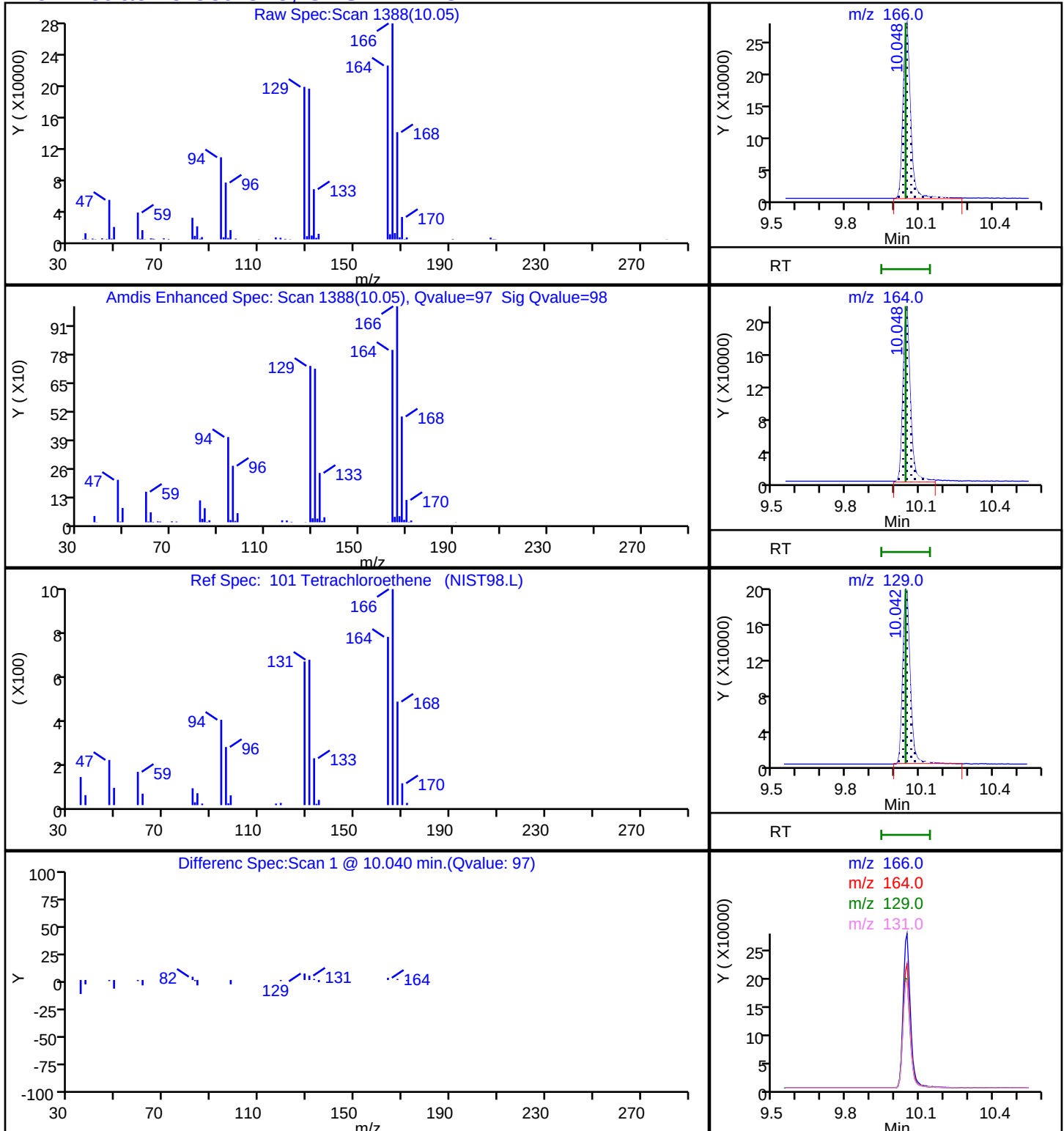
Dil. Factor: 20.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column (0.25mm ID)

MS Quad

**101 Tetrachloroethene, CAS: 127-18-4**

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-QC1-0/1-2

Lab Sample ID: 410-229793-14

Matrix: Water

Lab File ID: IL03X07.D

Analysis Method: 8260D

Date Collected: 06/24/2025 00:00

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 11:07

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q     | RL   | MDL   |
|------------|-----------------------------|--------|-------|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |       | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |       | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |       | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |       | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |       | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |       | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |       | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |       | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |       | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |       | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |       | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     |       | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |       | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |       | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |       | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |       | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     | ^c cn | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |       | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |       | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |       | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     | ^c cn | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | ND     |       | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     | ^c cn | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | ND     |       | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |       | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |       | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |       | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |       | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |       | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |       | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | ND     |       | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-QC1-0/1-2      Lab Sample ID: 410-229793-14

Matrix: Water      Lab File ID: IL03X07.D

Analysis Method: 8260D      Date Collected: 06/24/2025 00:00

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 11:07

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | ND     |   | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | ND     |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 113  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 92   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 108  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 99   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X07.D  
 Lims ID: 410-229793-A-14  
 Client ID: HD-QC1-0/1-2  
 Sample Type: Client  
 Inject. Date: 03-Jul-2025 11:07:30 ALS Bottle#: 7 Worklist Smp#: 8  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-008  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:18:35 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:19:25

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 4 Chloromethane                    | 50  |           | 1.983         |               |    |          | ND             |       |
| 5 Vinyl chloride                   | 62  |           | 2.087         |               |    |          | ND             |       |
| 7 Bromomethane                     | 94  |           | 2.398         |               |    |          | ND             | 7     |
| 8 Chloroethane                     | 64  |           | 2.453         |               |    |          | ND             |       |
| 15 1,1-Dichloroethene              | 96  |           | 3.221         |               |    |          | ND             |       |
| 16 Acetone                         | 43  |           | 3.239         |               |    |          | ND             |       |
| 20 Carbon disulfide                | 76  |           | 3.501         |               |    |          | ND             | 7     |
| 25 Methylene Chloride              | 84  |           | 3.818         |               |    |          | ND             | 7     |
| * 26 t-Butyl alcohol-d10 (IS)      | 65  | 3.849     | 3.830         | 0.019         | 24 | 187135   | 50.0           |       |
| 29 Methyl tert-butyl ether         | 73  |           | 4.184         |               |    |          | ND             |       |
| 30 trans-1,2-Dichloroethene        | 96  |           | 4.196         |               |    |          | ND             |       |
| 32 1,1-Dichloroethane              | 63  |           | 4.848         |               |    |          | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  |           | 5.696         |               |    |          | ND             |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          | ND             |       |
| 48 Chloroform                      | 83  |           | 6.190         |               |    |          | ND             |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.421     | 6.409         | 0.012         | 93 | 602156   | 10.8           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          | ND             |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.885     | 6.866         | 0.019         | 62 | 128199   | 11.3           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.324     | 7.317         | 0.007         | 99 | 2255856  | 10.0           |       |
| 64 Trichloroethene                 | 95  |           | 7.799         |               |    |          | ND             |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.384         | 0.006         | 94 | 2280032  | 9.85           |       |
| 79 Toluene                         | 92  |           | 9.463         |               |    |          | ND             | 7     |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|----------------|-------|
| 101 Tetrachloroethene              | 166 |           | 10.043        |               |    |          | ND             |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          | ND             |       |
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.908    | 10.902        | 0.006         | 85 | 1756254  | 10.0           |       |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          | ND             |       |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          | ND             |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.932    | 11.926        | 0.006         | 92 | 780333   | 9.21           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          | ND             |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 95 | 949925   | 10.0           |       |

**QC Flag Legend**

Processing Flags

7 - Failed Limit of Detection

**Reagents:**

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X07.D

Injection Date: 03-Jul-2025 11:07:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-14

Lab Sample ID: 410-229793-14

Worklist Smp#: 8

Client ID: HD-QC1-0/1-2

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

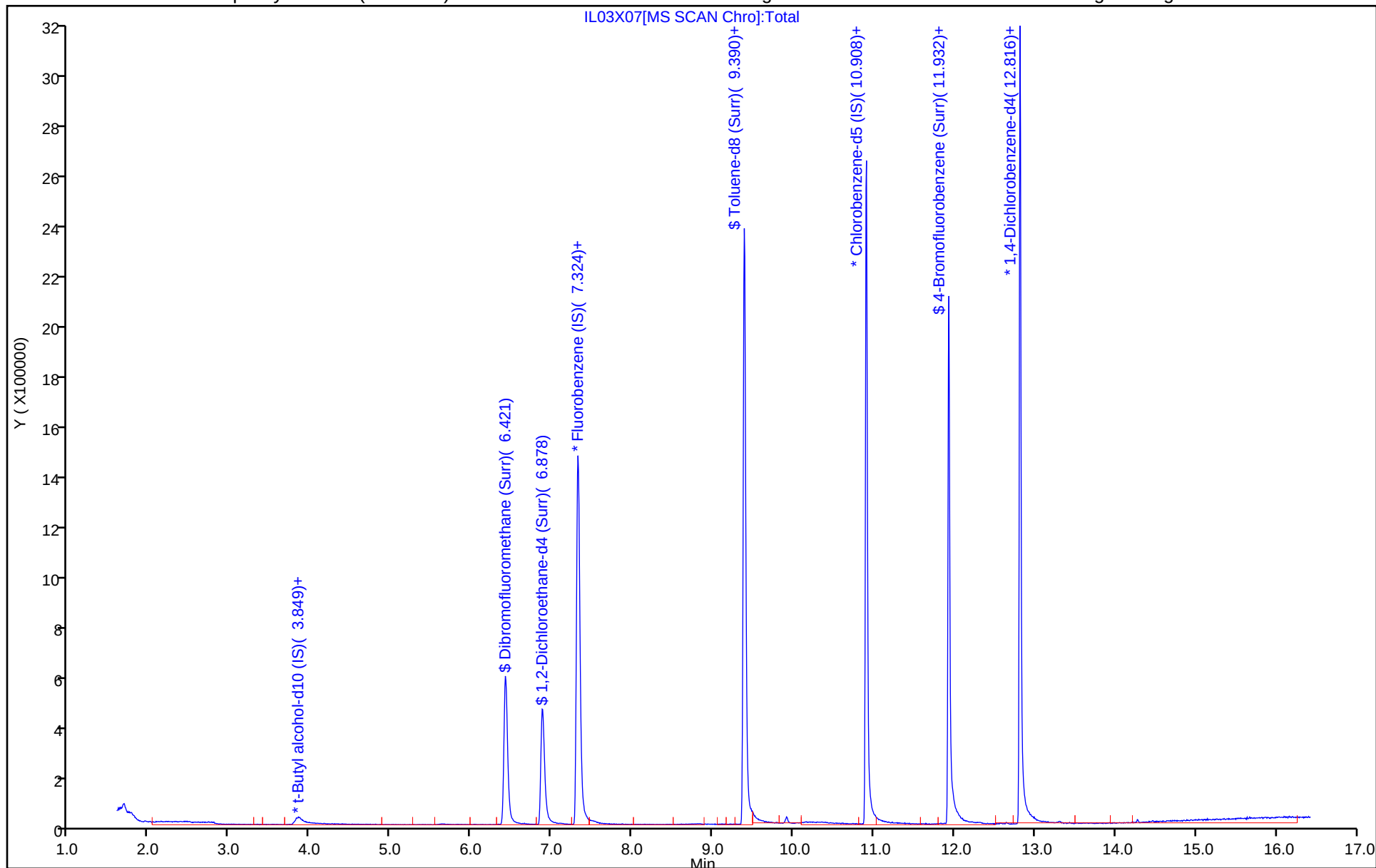
ALS Bottle#: 7

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X07.D  
Lims ID: 410-229793-A-14  
Client ID: HD-QC1-0/1-2  
Sample Type: Client  
Inject. Date: 03-Jul-2025 11:07:30 ALS Bottle#: 7 Worklist Smp#: 8  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-008  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:18:35 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:19:25

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.8             | 108.06 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.3             | 113.45 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.85             | 98.54  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.21             | 92.09  |



FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

Calibration Files

|         |                    |              |
|---------|--------------------|--------------|
| LEVEL:  | LAB SAMPLE ID:     | LAB FILE ID: |
| Level 1 | IC 410-617959/13   | IM17X12.D    |
| Level 2 | IC 410-617959/14   | IM17X13.D    |
| Level 3 | IC 410-617959/15   | IM17X14.D    |
| Level 4 | IC 410-617959/16   | IM17X15.D    |
| Level 5 | IC 410-617959/17   | IM17X16.D    |
| Level 6 | IC 410-617959/18   | IM17X17.D    |
| Level 7 | ICIS 410-617959/19 | IM17X18.D    |
| Level 8 | IC 410-617959/20   | IM17X19.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 2            | LVL 3            | LVL 4  | LVL 5  |            | B           | M1         | M2 |   |         |           |   |               |            |   |                |
| Dichlorodifluoromethane | 0.3547<br>0.3780 | 0.4120<br>0.3431 | 0.4751<br>0.3300 | 0.3862 | 0.4356 | Ave        |             | 0.389<br>4 |    |   | 0.1000  | 12.7      |   | 20.0          |            |   |                |
| Chloromethane           | 0.6754<br>0.4272 | 0.5143<br>0.4115 | 0.5735<br>0.4088 | 0.4709 | 0.5308 | Ave        |             | 0.501<br>6 |    |   | 0.1000  | 18.4      |   | 20.0          |            |   |                |
| 1,3-Butadiene           | 0.5950<br>0.5140 | 0.7483<br>0.4669 | 0.7354<br>0.4493 | 0.5794 | 0.6384 | Ave        |             | 0.590<br>8 |    |   |         | 19.1      |   | 20.0          |            |   |                |
| Vinyl chloride          | 0.3961<br>0.3894 | 0.4527<br>0.3761 | 0.4961<br>0.3819 | 0.4170 | 0.4641 | Ave        |             | 0.421<br>7 |    |   | 0.1000  | 10.5      |   | 20.0          |            |   |                |
| Bromomethane            | 0.4697<br>0.2962 | 0.3524<br>0.2894 | 0.3885<br>0.2953 | 0.3170 | 0.3546 | Ave        |             | 0.345<br>4 |    |   | 0.1000  | 17.8      |   | 20.0          |            |   |                |
| Chloroethane            | 0.2817<br>0.2457 | 0.3053<br>0.2375 | 0.3059<br>0.2417 | 0.2467 | 0.2878 | Ave        |             | 0.269<br>0 |    |   | 0.1000  | 10.9      |   | 20.0          |            |   |                |
| Dichlorofluoromethane   | 0.9511<br>0.6859 | 0.8176<br>0.6614 | 0.8856<br>0.6708 | 0.7088 | 0.8217 | Ave        |             | 0.775<br>3 |    |   | 0.1000  | 14.1      |   | 20.0          |            |   |                |
| Trichlorofluoromethane  | 0.3223<br>0.5306 | 0.5689<br>0.4982 | 0.6741<br>0.4994 | 0.5494 | 0.6102 | Ave        |             | 0.531<br>6 |    |   | 0.1000  | 19.4      |   | 20.0          |            |   |                |
| Ethyl ether             | 0.2231           | 0.2629<br>0.2245 | 0.2647<br>0.2353 | 0.2456 | 0.2986 | Ave        |             | 0.250<br>7 |    |   |         | 10.7      |   | 20.0          |            |   |                |
| Freon 123a              | 0.2319<br>0.3647 | 0.4127<br>0.3500 | 0.4735<br>0.3571 | 0.3848 | 0.4324 | Ave        |             | 0.375<br>9 |    |   |         | 19.1      |   | 20.0          |            |   |                |
| Acrolein                | 2.3954           | 1.7666<br>2.3788 | 2.0073<br>2.5713 | 2.0061 | 2.3901 | Ave        |             | 2.216<br>5 |    |   |         | 13.1      |   | 20.0          |            |   |                |
| 1,1-Dichloroethene      | 0.3060<br>0.2647 | 0.2808<br>0.2472 | 0.3117<br>0.2559 | 0.2731 | 0.2993 | Ave        |             | 0.279<br>8 |    |   | 0.1000  | 8.5       |   | 20.0          |            |   |                |

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  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                  | RRF            |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN RRF | %RSD<br>/RSE | # | MAX<br>%RSD<br>/RSE | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|--------------------------|----------------|------------------|------------------|--------|--------|---------------|-------------|------------|----|---|---------|--------------|---|---------------------|---------------|---|-------------------|
|                          | LVL 1<br>LVL 6 | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1         | M2 |   |         |              |   |                     |               |   |                   |
| Acetone                  | 3.2382         | 3.0854<br>2.9720 | 3.6452<br>2.9951 | 3.3315 | 3.7180 | Ave           |             | 3.283<br>6 |    |   | 0.1000  | 9.2          |   | 20.0                |               |   |                   |
| Freon 113                | 0.3117         | 0.3046<br>0.2841 | 0.3644<br>0.2911 | 0.3243 | 0.3438 | Ave           |             | 0.317<br>7 |    |   | 0.1000  | 9.0          |   | 20.0                |               |   |                   |
| Methyl iodide            | 0.5632         | 0.5717<br>0.5315 | 0.6189<br>0.5527 | 0.5797 | 0.6403 | Ave           |             | 0.579<br>7 |    |   |         | 6.5          |   | 20.0                |               |   |                   |
| Ethyl bromide            | 0.2294         | 0.2645<br>0.2340 | 0.2970<br>0.2418 | 0.2504 | 0.3062 | Ave           |             | 0.260<br>5 |    |   |         | 11.7         |   | 20.0                |               |   |                   |
| Carbon disulfide         | 0.8469         | 0.9790<br>0.7972 | 0.9816<br>0.8183 | 0.9036 | 0.9921 | Ave           |             | 0.902<br>7 |    |   | 0.1000  | 9.2          |   | 20.0                |               |   |                   |
| Methyl acetate           | 8.3782         | ++++<br>8.1127   | 8.2052<br>8.6785 | 6.3951 | 8.2458 | Ave           |             | 8.002<br>6 |    |   | 0.1000  | 10.1         |   | 20.0                |               |   |                   |
| Allyl chloride           | 0.4445         | 0.4481<br>0.4259 | 0.4953<br>0.4506 | 0.4448 | 0.4856 | Ave           |             | 0.456<br>4 |    |   |         | 5.4          |   | 20.0                |               |   |                   |
| Methylene Chloride       | 0.3161         | 0.3315<br>0.2947 | 0.3602<br>0.3056 | 0.3259 | 0.3678 | Ave           |             | 0.328<br>8 |    |   | 0.1000  | 8.2          |   | 20.0                |               |   |                   |
| t-Butyl alcohol          | 1.0564         | 1.2017<br>0.9931 | 1.2888<br>1.0770 | 1.1777 | 1.2783 | Ave           |             | 1.153<br>3 |    |   |         | 9.9          |   | 20.0                |               |   |                   |
| Acrylonitrile            | 4.2053         | ++++<br>3.8820   | ++++<br>4.1318   | 3.1888 | 4.2177 | Ave           |             | 3.925<br>1 |    |   |         | 11.0         |   | 20.0                |               |   |                   |
| Methyl tert-butyl ether  | 0.7682         | 0.7661<br>0.7506 | 0.7947<br>0.7905 | 0.7542 | 0.8680 | Ave           |             | 0.784<br>6 |    |   | 0.1000  | 5.1          |   | 20.0                |               |   |                   |
| trans-1,2-Dichloroethene | 0.3051         | 0.2961<br>0.2847 | 0.3323<br>0.2986 | 0.3129 | 0.3439 | Ave           |             | 0.310<br>5 |    |   | 0.1000  | 6.8          |   | 20.0                |               |   |                   |
| n-Hexane                 | 0.4532         | 0.3736<br>0.4168 | 0.4614<br>0.4353 | 0.4250 | 0.4792 | Ave           |             | 0.434<br>9 |    |   |         | 8.0          |   | 20.0                |               |   |                   |
| 1,1-Dichloroethane       | 0.5815         | 0.5610<br>0.5528 | 0.6510<br>0.5689 | 0.6034 | 0.6592 | Ave           |             | 0.596<br>8 |    |   | 0.2000  | 7.2          |   | 20.0                |               |   |                   |
| di-Isopropyl ether       | 0.9685         | 0.8589<br>0.9290 | 0.9747<br>0.9777 | 0.9348 | 1.0621 | Ave           |             | 0.958<br>0 |    |   |         | 6.4          |   | 20.0                |               |   |                   |
| 2-Chloro-1,3-butadiene   | 0.4677         | 0.4159<br>0.4560 | 0.4525<br>0.4809 | 0.4542 | 0.5244 | Ave           |             | 0.464<br>5 |    |   |         | 7.1          |   | 20.0                |               |   |                   |
| Ethyl t-butyl ether      | 0.8957         | 0.8196<br>0.8729 | 0.9058<br>0.9218 | 0.8586 | 0.9953 | Ave           |             | 0.895<br>7 |    |   |         | 6.2          |   | 20.0                |               |   |                   |

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  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN RRF | %RSD<br>/RSE | # | MAX<br>%RSD<br>/RSE | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|------------|----|---|---------|--------------|---|---------------------|---------------|---|-------------------|
|                        | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1         | M2 |   |         |              |   |                     |               |   |                   |
| 2-Butanone (MEK)       | 6.0666           | +++++<br>5.6253  | 4.5771<br>5.7638 | 4.8247 | 6.3578 | Ave           |             | 5.535<br>q |    |   | 0.1000  | 12.6         |   | 20.0                |               |   |                   |
| cis-1,2-Dichloroethene | 0.2117<br>0.3590 | 0.3520<br>0.3411 | 0.3846<br>0.3545 | 0.3639 | 0.4086 | Ave           |             | 0.346<br>q |    |   | 0.1000  | 16.9         |   | 20.0                |               |   |                   |
| 2,2-Dichloropropane    | 0.4786           | 0.4799<br>0.4525 | 0.5354<br>0.4730 | 0.4828 | 0.5337 | Ave           |             | 0.490<br>q |    |   |         | 6.4          |   | 20.0                |               |   |                   |
| Propionitrile          | 1.6251           | 0.9921<br>1.5666 | 1.3351<br>1.6729 | 1.4234 | 1.6959 | Ave           |             | 1.473<br>n |    |   |         | 17.0         |   | 20.0                |               |   |                   |
| Methacrylonitrile      | 6.2573           | 4.4351<br>5.8877 | 4.7889<br>6.0456 | 5.5720 | 6.5959 | Ave           |             | 5.654<br>6 |    |   |         | 13.9         |   | 20.0                |               |   |                   |
| Bromochloromethane     | 0.1664           | 0.1537<br>0.1599 | 0.1761<br>0.1660 | 0.1646 | 0.1915 | Ave           |             | 0.168<br>3 |    |   |         | 7.3          |   | 20.0                |               |   |                   |
| Tetrahydrofuran        | 1.8179           | 1.1548<br>1.7368 | 1.6034<br>1.6940 | 1.6268 | 1.9969 | Ave           |             | 1.661<br>5 |    |   |         | 15.6         |   | 20.0                |               |   |                   |
| Chloroform             | 0.5931           | 0.5922<br>0.5634 | 0.6572<br>0.5785 | 0.6011 | 0.6729 | Ave           |             | 0.608<br>3 |    |   | 0.2000  | 6.7          |   | 20.0                |               |   |                   |
| 1,1,1-Trichloroethane  | 0.5068           | 0.5314<br>0.4751 | 0.5525<br>0.4900 | 0.5245 | 0.5658 | Ave           |             | 0.520<br>q |    |   | 0.1000  | 6.3          |   | 20.0                |               |   |                   |
| Cyclohexane            | 0.5438           | 0.4775<br>0.5085 | 0.5744<br>0.5288 | 0.5364 | 0.5910 | Ave           |             | 0.537<br>2 |    |   | 0.1000  | 7.1          |   | 20.0                |               |   |                   |
| Carbon tetrachloride   | 0.4525           | 0.4326<br>0.4216 | 0.4883<br>0.4425 | 0.4562 | 0.5019 | Ave           |             | 0.456<br>5 |    |   | 0.1000  | 6.4          |   | 20.0                |               |   |                   |
| 1,1-Dichloropropene    | 0.4621           | 0.4297<br>0.4376 | 0.4747<br>0.4557 | 0.4624 | 0.5133 | Ave           |             | 0.462<br>2 |    |   |         | 5.9          |   | 20.0                |               |   |                   |
| Isobutyl alcohol       | 0.4029           | 0.3942<br>0.3887 | 0.4178<br>0.3941 | 0.3760 | 0.4606 | Ave           |             | 0.404<br>q |    |   |         | 6.8          |   | 20.0                |               |   |                   |
| Benzene                | 1.3557           | 1.3248<br>1.2820 | 1.4656<br>1.3192 | 1.3724 | 1.5501 | Ave           |             | 1.381<br>4 |    |   | 0.5000  | 6.8          |   | 20.0                |               |   |                   |
| 1,2-Dichloroethane     | 0.3841           | 0.3881<br>0.3711 | 0.4205<br>0.3755 | 0.3822 | 0.4414 | Ave           |             | 0.394<br>7 |    |   | 0.1000  | 6.6          |   | 20.0                |               |   |                   |
| t-Amyl methyl ether    | 0.8389           | 0.7082<br>0.8189 | 0.8104<br>0.8575 | 0.8018 | 0.9338 | Ave           |             | 0.824<br>2 |    |   |         | 8.2          |   | 20.0                |               |   |                   |
| n-Heptane              | 0.4275           | 0.4185<br>0.3959 | 0.4494<br>0.4161 | 0.4224 | 0.4602 | Ave           |             | 0.427<br>1 |    |   |         | 5.0          |   | 20.0                |               |   |                   |

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  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                     | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN RRF | %RSD<br>/RSE | # | MAX<br>%RSD<br>/RSE | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-----------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|------------|----|---|---------|--------------|---|---------------------|---------------|---|-------------------|
|                             | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1         | M2 |   |         |              |   |                     |               |   |                   |
| n-Butanol                   | 0.3520           | ++++<br>0.3517   | 0.1948<br>0.3737 | 0.2408 | 0.3380 | Lin           | -11.1<br>7  | 0.377<br>0 |    |   |         |              |   |                     | 1.0000        |   | 0.9900            |
| Trichloroethene             | 0.4125<br>0.3542 | 0.3583<br>0.3324 | 0.3708<br>0.3457 | 0.3584 | 0.3939 | Ave           |             | 0.365<br>8 |    |   | 0.2000  | 7.1          |   | 20.0                |               |   |                   |
| Methylcyclohexane           | 0.5962           | 0.4687<br>0.5519 | 0.6187<br>0.5745 | 0.5641 | 0.6409 | Ave           |             | 0.573<br>6 |    |   | 0.1000  | 9.7          |   | 20.0                |               |   |                   |
| 1,2-Dichloropropane         | 0.3589           | 0.3425<br>0.3429 | 0.3810<br>0.3617 | 0.3583 | 0.4048 | Ave           |             | 0.364<br>3 |    |   | 0.1000  | 6.1          |   | 20.0                |               |   |                   |
| 1,4-Dioxane                 | 0.0881           | ++++<br>0.0871   | 0.0687<br>0.0845 | 0.0899 | 0.1034 | Ave           |             | 0.086<br>9 |    |   | 0.0050  | 12.8         |   | 20.0                |               |   |                   |
| Methyl methacrylate         | 11.386           | ++++<br>10.689   | 6.7202<br>11.680 | 8.4179 | 10.290 | Ave           |             | 9.863<br>8 |    |   |         | 19.5         |   | 20.0                |               |   |                   |
| Dibromomethane              | 0.1793           | 0.1677<br>0.1732 | 0.1791<br>0.1780 | 0.1786 | 0.2036 | Ave           |             | 0.179<br>9 |    |   |         | 6.3          |   | 20.0                |               |   |                   |
| Bromodichloromethane        | 0.4365           | 0.4223<br>0.4164 | 0.4560<br>0.4337 | 0.4387 | 0.4892 | Ave           |             | 0.441<br>8 |    |   | 0.2000  | 5.5          |   | 20.0                |               |   |                   |
| 2-Nitropropane              | 3.7980           | 3.5113<br>3.6324 | 3.9783<br>3.7231 | 3.3340 | 3.8772 | Ave           |             | 3.693<br>5 |    |   |         | 6.0          |   | 20.0                |               |   |                   |
| 1-Bromo-2-chloroethane      | 0.3381           | 0.3706<br>0.3547 | 0.3966<br>0.3648 | 0.3640 | 0.4442 | Ave           |             | 0.376<br>1 |    |   |         | 9.2          |   | 20.0                |               |   |                   |
| cis-1,3-Dichloropropene     | 0.5098           | 0.4111<br>0.5024 | 0.4787<br>0.5391 | 0.4626 | 0.5409 | Ave           |             | 0.492<br>1 |    |   | 0.2000  | 9.3          |   | 20.0                |               |   |                   |
| 4-Methyl-2-pentanone (MIBK) | 16.701           | 11.101<br>15.541 | 13.807<br>15.760 | 13.881 | 16.874 | Ave           |             | 14.80<br>9 |    |   | 0.1000  | 13.8         |   | 20.0                |               |   |                   |
| Toluene                     | 1.1403           | 1.1130<br>1.0713 | 1.2484<br>1.1176 | 1.1551 | 1.2782 | Ave           |             | 1.160<br>6 |    |   | 0.4000  | 6.5          |   | 20.0                |               |   |                   |
| trans-1,3-Dichloropropene   | 0.5790           | 0.4407<br>0.5741 | 0.4943<br>0.6087 | 0.5356 | 0.6161 | Ave           |             | 0.549<br>8 |    |   | 0.1000  | 11.6         |   | 20.0                |               |   |                   |
| Ethyl methacrylate          | 0.4789           | ++++<br>0.4878   | 0.3862<br>0.5188 | 0.3595 | 0.4901 | Ave           |             | 0.453<br>5 |    |   |         | 14.2         |   | 20.0                |               |   |                   |
| 1,1,2-Trichloroethane       | 0.3363           | 0.3360<br>0.3211 | 0.3807<br>0.3298 | 0.3425 | 0.3782 | Ave           |             | 0.346<br>4 |    |   | 0.1000  | 6.8          |   | 20.0                |               |   |                   |
| Tetrachloroethene           | 0.6895<br>0.5371 | 0.5246<br>0.5025 | 0.5911<br>0.5217 | 0.5530 | 0.6016 | Ave           |             | 0.565<br>1 |    |   | 0.2000  | 10.8         |   | 20.0                |               |   |                   |

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  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                     | RRF            |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN RRF | %RSD<br>/RSE | # | MAX<br>%RSD<br>/RSE | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-----------------------------|----------------|------------------|------------------|--------|--------|---------------|-------------|------------|----|---|---------|--------------|---|---------------------|---------------|---|-------------------|
|                             | LVL 1<br>LVL 6 | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1         | M2 |   |         |              |   |                     |               |   |                   |
| 1,3-Dichloropropane         | 0.5960         | 0.5613<br>0.5623 | 0.6078<br>0.5816 | 0.5842 | 0.6742 | Ave           |             | 0.595<br>3 |    |   |         | 6.5          |   | 20.0                |               |   |                   |
| 2-Hexanone                  | 11.785         | 7.1228<br>11.152 | 9.9651<br>11.398 | 9.5642 | 11.942 | Ave           |             | 10.41<br>8 |    |   | 0.1000  | 16.4         |   | 20.0                |               |   |                   |
| Dibromochloromethane        | 0.4309         | 0.3716<br>0.4181 | 0.4386<br>0.4379 | 0.4172 | 0.4781 | Ave           |             | 0.427<br>5 |    |   |         | 7.5          |   | 20.0                |               |   |                   |
| 1,2-Dibromoethane (EDB)     | 0.3320         | 0.2863<br>0.3165 | 0.3323<br>0.3281 | 0.3244 | 0.3712 | Ave           |             | 0.327<br>2 |    |   | 0.1000  | 7.7          |   | 20.0                |               |   |                   |
| 1-Chlorohexane              | 0.6257         | 0.6296<br>0.6049 | 0.6351<br>0.6384 | 0.6299 | 0.6810 | Ave           |             | 0.634<br>9 |    |   |         | 3.6          |   | 20.0                |               |   |                   |
| Chlorobenzene               | 1.3277         | 1.3250<br>1.2616 | 1.4384<br>1.3146 | 1.3714 | 1.5109 | Ave           |             | 1.364<br>2 |    |   | 0.5000  | 6.2          |   | 20.0                |               |   |                   |
| 1,1,1,2-Tetrachloroethane   | 0.4695         | 0.4202<br>0.4435 | 0.4958<br>0.4691 | 0.4708 | 0.5239 | Ave           |             | 0.470<br>4 |    |   |         | 7.1          |   | 20.0                |               |   |                   |
| Ethylbenzene                | 2.3007         | 1.9984<br>2.1854 | 2.3484<br>2.2777 | 2.2317 | 2.5190 | Ave           |             | 2.265<br>9 |    |   | 0.1000  | 7.0          |   | 20.0                |               |   |                   |
| m&p-Xylene                  | 0.9056         | 0.7748<br>0.8595 | 0.8882<br>0.8902 | 0.8728 | 0.9885 | Ave           |             | 0.882<br>8 |    |   | 0.1000  | 7.2          |   | 20.0                |               |   |                   |
| o-Xylene                    | 0.8584         | 0.7301<br>0.8353 | 0.8458<br>0.8795 | 0.8183 | 0.9453 | Ave           |             | 0.844<br>7 |    |   | 0.3000  | 7.7          |   | 20.0                |               |   |                   |
| Styrene                     | 1.4007         | 1.0058<br>1.3630 | 1.2394<br>1.4629 | 1.2981 | 1.4593 | Ave           |             | 1.318<br>5 |    |   | 0.3000  | 12.1         |   | 20.0                |               |   |                   |
| Bromoform                   | 0.2559         | 0.2071<br>0.2523 | 0.2575<br>0.2703 | 0.2382 | 0.2786 | Ave           |             | 0.251<br>4 |    |   | 0.1000  | 9.3          |   | 20.0                |               |   |                   |
| Isopropylbenzene            | 2.0195         | 1.6300<br>1.9345 | 1.9600<br>2.0107 | 1.9160 | 2.1909 | Ave           |             | 1.951<br>6 |    |   | 0.1000  | 8.6          |   | 20.0                |               |   |                   |
| 1,1,2,2-Tetrachloroethane   | 0.8061         | 0.7778<br>0.7627 | 0.8647<br>0.7808 | 0.8027 | 0.9333 | Ave           |             | 0.818<br>3 |    |   | 0.3000  | 7.4          |   | 20.0                |               |   |                   |
| Bromobenzene                | 0.9622         | 0.8993<br>0.9152 | 1.0322<br>0.9539 | 0.9483 | 1.1246 | Ave           |             | 0.976<br>5 |    |   |         | 8.0          |   | 20.0                |               |   |                   |
| trans-1,4-Dichloro-2-butene | 5.6094         | 3.7022<br>5.4781 | 4.5348<br>5.9351 | 4.6388 | 5.8257 | Ave           |             | 5.103<br>5 |    |   |         | 16.2         |   | 20.0                |               |   |                   |
| 1,2,3-Trichloropropane      | 0.2196         | 0.2045<br>0.2086 | 0.2307<br>0.2092 | 0.2189 | 0.2556 | Ave           |             | 0.221<br>0 |    |   |         | 8.0          |   | 20.0                |               |   |                   |

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  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                     | RRF            |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN RRF | %RSD<br>/RSE | # | MAX<br>%RSD<br>/RSE | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|-----------------------------|----------------|------------------|------------------|--------|--------|---------------|-------------|------------|----|---|---------|--------------|---|---------------------|---------------|---|-------------------|
|                             | LVL 1<br>LVL 6 | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1         | M2 |   |         |              |   |                     |               |   |                   |
| N-Propylbenzene             | 4.8132         | 4.0741<br>4.5189 | 4.6679<br>4.2446 | 4.6090 | 5.2372 | Ave           |             | 4.595<br>0 |    |   |         | 8.3          |   | 20.0                |               |   |                   |
| 2-Chlorotoluene             | 0.9693         | 0.9064<br>0.9244 | 1.0264<br>0.9453 | 0.9711 | 1.1081 | Ave           |             | 0.978<br>7 |    |   |         | 7.0          |   | 20.0                |               |   |                   |
| 1,3,5-Trimethylbenzene      | 3.3410         | 2.7704<br>3.2009 | 3.3116<br>3.2799 | 3.1967 | 3.7506 | Ave           |             | 3.264<br>4 |    |   |         | 8.8          |   | 20.0                |               |   |                   |
| 4-Chlorotoluene             | 1.0174         | 0.8712<br>0.9508 | 1.0207<br>0.9939 | 1.0114 | 1.1539 | Ave           |             | 1.002<br>8 |    |   |         | 8.5          |   | 20.0                |               |   |                   |
| tert-Butylbenzene           | 0.7777         | 0.6562<br>0.7449 | 0.7687<br>0.7682 | 0.7549 | 0.8797 | Ave           |             | 0.764<br>3 |    |   |         | 8.6          |   | 20.0                |               |   |                   |
| Pentachloroethane           | 0.5460         | 0.5393<br>0.5761 | 0.6132<br>0.6020 | 0.5637 | 0.7115 | Ave           |             | 0.593<br>1 |    |   |         | 9.9          |   | 20.0                |               |   |                   |
| 1,2,4-Trimethylbenzene      | 3.4336         | 2.6611<br>3.2930 | 3.2012<br>3.3896 | 3.2236 | 3.8530 | Ave           |             | 3.293<br>6 |    |   |         | 10.8         |   | 20.0                |               |   |                   |
| sec-Butylbenzene            | 4.4140         | 3.6698<br>4.1592 | 4.3473<br>4.0558 | 4.2472 | 4.8681 | Ave           |             | 4.251<br>6 |    |   |         | 8.6          |   | 20.0                |               |   |                   |
| 1,3-Dichlorobenzene         | 1.8865         | 1.6754<br>1.7960 | 1.8975<br>1.8680 | 1.8465 | 2.1250 | Ave           |             | 1.870<br>7 |    |   | 0.6000  | 7.2          |   | 20.0                |               |   |                   |
| p-Isopropyltoluene          | 3.7893         | 2.8423<br>3.6401 | 3.4887<br>3.7080 | 3.5169 | 4.0943 | Ave           |             | 3.582<br>8 |    |   |         | 10.7         |   | 20.0                |               |   |                   |
| 1,4-Dichlorobenzene         | 1.9267         | 2.0274<br>1.8454 | 2.1366<br>1.9017 | 2.0319 | 2.2282 | Ave           |             | 2.014<br>0 |    |   | 0.5000  | 6.7          |   | 20.0                |               |   |                   |
| 1,2,3-Trimethylbenzene      | 1.5617         | 1.4365<br>1.4891 | 1.6117<br>1.5490 | 1.5632 | 1.7229 | Ave           |             | 1.562<br>0 |    |   |         | 5.8          |   | 20.0                |               |   |                   |
| Benzyl chloride             | 0.3010         | 0.2237<br>0.3066 | 0.2551<br>0.3243 | 0.2847 | 0.3271 | Ave           |             | 0.288<br>9 |    |   |         | 13.1         |   | 20.0                |               |   |                   |
| n-Butylbenzene              | 1.9168         | 1.5923<br>1.8345 | 1.6753<br>1.9537 | 1.7590 | 2.0433 | Ave           |             | 1.825<br>0 |    |   |         | 8.8          |   | 20.0                |               |   |                   |
| 1,2-Dichlorobenzene         | 1.7838         | 1.6664<br>1.7040 | 1.8495<br>1.7566 | 1.8164 | 2.0865 | Ave           |             | 1.809<br>0 |    |   | 0.4000  | 7.6          |   | 20.0                |               |   |                   |
| 1,2-Dibromo-3-Chloropropane | 0.1116         | 0.0876<br>0.1138 | 0.1058<br>0.1193 | 0.1042 | 0.1279 | Ave           |             | 0.110<br>0 |    |   | 0.0500  | 11.6         |   | 20.0                |               |   |                   |
| 1,3,5-Trichlorobenzene      | 1.3711         | 1.1786<br>1.3300 | 1.3915<br>1.3971 | 1.3329 | 1.5342 | Ave           |             | 1.362<br>2 |    |   |         | 7.8          |   | 20.0                |               |   |                   |

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  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
CURVE EVALUATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                      | RRF              |                  |                  |        |        | CURVE<br>TYPE | COEFFICIENT |            |    | # | MIN RRF | %RSD<br>/RSE | # | MAX<br>%RSD<br>/RSE | R^2<br>OR COD | # | MIN R^2<br>OR COD |
|------------------------------|------------------|------------------|------------------|--------|--------|---------------|-------------|------------|----|---|---------|--------------|---|---------------------|---------------|---|-------------------|
|                              | LVL 1<br>LVL 6   | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  |               | B           | M1         | M2 |   |         |              |   |                     |               |   |                   |
| 1,2,4-Trichlorobenzene       | 1.1497           | 0.9170<br>1.1402 | 1.0688<br>1.1909 | 1.0538 | 1.2719 | Ave           |             | 1.113<br>2 |    |   | 0.2000  | 10.2         |   | 20.0                |               |   |                   |
| Hexachlorobutadiene          | 0.5295           | 0.4815<br>0.5128 | 0.5675<br>0.5437 | 0.5307 | 0.5816 | Ave           |             | 0.535<br>3 |    |   |         | 6.2          |   | 20.0                |               |   |                   |
| Naphthalene                  | 2.3501           | 1.6338<br>2.3385 | 2.0105<br>2.3685 | 1.9688 | 2.5234 | Ave           |             | 2.170<br>5 |    |   |         | 14.3         |   | 20.0                |               |   |                   |
| 1,2,3-Trichlorobenzene       | 1.0546           | 0.8641<br>1.0055 | 0.9379<br>1.0624 | 0.9779 | 1.1924 | Ave           |             | 1.013<br>5 |    |   |         | 10.3         |   | 20.0                |               |   |                   |
| Dibromofluoromethane (Surr)  | 0.2540<br>0.2449 | 0.2489<br>0.2460 | 0.2445<br>0.2446 | 0.2460 | 0.2474 | Ave           |             | 0.247<br>0 |    |   |         | 1.3          |   | 20.0                |               |   |                   |
| 1,2-Dichloroethane-d4 (Surr) | 0.0498<br>0.0497 | 0.0502<br>0.0495 | 0.0504<br>0.0490 | 0.0514 | 0.0507 | Ave           |             | 0.050<br>1 |    |   |         | 1.5          |   | 20.0                |               |   |                   |
| Toluene-d8 (Surr)            | 1.2961<br>1.3122 | 1.3097<br>1.3174 | 1.3401<br>1.3019 | 1.3399 | 1.3220 | Ave           |             | 1.317<br>4 |    |   |         | 1.2          |   | 20.0                |               |   |                   |
| 4-Bromofluorobenzene (Surr)  | 0.4571<br>0.4885 | 0.4757<br>0.4967 | 0.4782<br>0.4970 | 0.4840 | 0.4826 | Ave           |             | 0.482<br>5 |    |   |         | 2.7          |   | 20.0                |               |   |                   |

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  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:     | LAB FILE ID: |
|---------|--------------------|--------------|
| Level 1 | IC 410-617959/13   | IM17X12.D    |
| Level 2 | IC 410-617959/14   | IM17X13.D    |
| Level 3 | IC 410-617959/15   | IM17X14.D    |
| Level 4 | IC 410-617959/16   | IM17X15.D    |
| Level 5 | IC 410-617959/17   | IM17X16.D    |
| Level 6 | IC 410-617959/18   | IM17X17.D    |
| Level 7 | ICIS 410-617959/19 | IM17X18.D    |
| Level 8 | IC 410-617959/20   | IM17X19.D    |

| ANALYTE                 | IS<br>REF   | CURVE<br>TYPE | RESPONSE       |                  |                    |        |        | CONCENTRATION (UG/L) |                |                |       |       |
|-------------------------|-------------|---------------|----------------|------------------|--------------------|--------|--------|----------------------|----------------|----------------|-------|-------|
|                         |             |               | LVL 1<br>LVL 6 | LVL 2<br>LVL 7   | LVL 3<br>LVL 8     | LVL 4  | LVL 5  | LVL 1<br>LVL 6       | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Dichlorodifluoromethane | FB          | Ave           | 1302<br>449036 | 17559<br>867503  | 45193<br>2220078   | 85602  | 169786 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Chloromethane           | FB          | Ave           | 2479<br>507423 | 21920<br>1040434 | 54554<br>2750277   | 104363 | 206882 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| 1,3-Butadiene           | FB          | Ave           | 2184<br>610590 | 31891<br>1180323 | 69955<br>3022408   | 128424 | 248817 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Vinyl chloride          | FB          | Ave           | 1454<br>462517 | 19295<br>950843  | 47192<br>2569365   | 92427  | 180868 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Bromomethane            | FB          | Ave           | 1724<br>351812 | 15019<br>731589  | 36960<br>1986971   | 70258  | 138216 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Chloroethane            | FB          | Ave           | 1034<br>291883 | 13013<br>600530  | 29095<br>1625711   | 54688  | 112147 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Dichlorofluoromethane   | FB          | Ave           | 3491<br>814725 | 34844<br>1672020 | 84242<br>4512774   | 157092 | 320227 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Trichlorofluoromethane  | FB          | Ave           | 1183<br>630193 | 24246<br>1259649 | 64126<br>3359846   | 121776 | 237806 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Ethyl ether             | FB          | Ave           | 264938         | 11202<br>567595  | 25177<br>1582602   | 54424  | 116381 | 5.00<br>10.00        | 0.200<br>10.00 | 0.500<br>25.0  | 1.000 | 2.00  |
| Freon 123a              | FB          | Ave           | 851<br>433164  | 17590<br>884896  | 45040<br>2402656   | 85296  | 168528 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Acrolein                | TBA d1<br>0 | Ave           | 2077534        | 59710<br>4586971 | 147133<br>13559936 | 345870 | 726813 | 244                  | 9.76<br>488    | 24.4<br>1220   | 48.8  | 97.6  |
| 1,1-Dichloroethene      | FB          | Ave           | 1123<br>314437 | 11968<br>625036  | 29655<br>1721357   | 60523  | 116657 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Acetone                 | TBA d1<br>0 | Ave           | 575637         | 21374<br>1174556 | 54763<br>3237225   | 117725 | 231728 | 50.0                 | 2.00<br>100    | 5.00<br>250    | 10.0  | 20.0  |
| Freon 113               | FB          | Ave           |                | 12982            | 34665              | 71875  | 133976 |                      | 0.200          | 0.500          | 1.00  | 2.00  |



FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                  | IS REF     | CURVE TYPE | RESPONSE       |                  |                  |        |        | CONCENTRATION (UG/L) |                |                |       |       |
|--------------------------|------------|------------|----------------|------------------|------------------|--------|--------|----------------------|----------------|----------------|-------|-------|
|                          |            |            | LVL 1<br>LVL 6 | LVL 2<br>LVL 7   | LVL 3<br>LVL 8   | LVL 4  | LVL 5  | LVL 6                | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
|                          |            |            | 370218         | 718353           | 1958549          |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Methyl iodide            | FB         | Ave        | 668985         | 24366<br>1343815 | 58869<br>3718381 | 128483 | 249533 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Ethyl bromide            | FB         | Ave        | 272975         | 11290<br>592486  | 28295<br>1629133 | 55578  | 119527 | 5.01                 | 0.200<br>10.0  | 0.501<br>25.0  | 1.00  | 2.00  |
| Carbon disulfide         | FB         | Ave        | 1005899        | 41726<br>2015469 | 93380<br>5505142 | 200281 | 386639 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Methyl acetate           | TBAD1<br>0 | Ave        |                | +++++            | 12327            | 22598  | 51392  |                      | +++++          | 0.500          | 1.00  | 2.00  |
|                          |            |            | 148932         | 320622           | 938012           |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Allyl chloride           | FB         | Ave        | 528031         | 19098<br>1076622 | 47120<br>3031605 | 98594  | 189265 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Methylene Chloride       | FB         | Ave        | 375422         | 14128<br>744972  | 34263<br>2055987 | 72244  | 143351 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| t-Butyl alcohol          | TBAD1<br>0 | Ave        |                | 16650            | 38725            | 83231  | 159338 |                      | 4.00           | 10.0           | 20.0  | 40.0  |
|                          |            |            | 375561         | 784960           | 2328220          |        |        | 100                  | 200            | 500            |       |       |
| Acrylonitrile            | TBAD1<br>0 | Ave        |                | +++++            | +++++            | 28170  | 65718  |                      | +++++          | +++++          | 2.50  | 5.00  |
|                          |            |            | 186885         | 383552           | 1116465          |        |        | 12.5                 | 25.0           | 62.5           |       |       |
| Methyl tert-butyl ether  | FB         | Ave        | 912490         | 32652<br>1897743 | 75593<br>5318132 | 167165 | 338289 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| trans-1,2-Dichloroethene | FB         | Ave        | 362357         | 12621<br>719770  | 31615<br>2008826 | 69342  | 134047 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| n-Hexane                 | FB         | Ave        | 538256         | 15923<br>1053642 | 43891<br>2928718 | 94190  | 186779 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| 1,1-Dichloroethane       | FB         | Ave        | 690713         | 23911<br>1397471 | 61924<br>3827349 | 133737 | 256911 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| di-Isopropyl ether       | FB         | Ave        | 1150437        | 36608<br>2348680 | 92715<br>6577489 | 207198 | 413940 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| 2-Chloro-1,3-butadiene   | FB         | Ave        | 555547         | 17725<br>1152715 | 43041<br>3235253 | 100661 | 204373 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| Ethyl t-butyl ether      | FB         | Ave        | 1063917        | 34931<br>2206742 | 86162<br>6201278 | 190295 | 387923 | 5.00                 | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| 2-Butanone (MEK)         | TBAD1<br>0 | Ave        |                | +++++            | 68764            | 170489 | 396253 |                      | +++++          | 5.00           | 10.0  | 20.0  |
|                          |            |            | 1078404        | 2223160          | 6229804          |        |        | 50.0                 | 100            | 250            |       |       |
| cis-1,2-Dichloroethene   | FB         | Ave        | 426474         | 777<br>862331    | 15004<br>2385156 | 80659  | 159257 | 0.0200<br>5.00       | 0.200<br>10.0  | 0.500<br>25.0  | 1.00  | 2.00  |
| 2,2-Dichloropropane      | FB         | Ave        |                | 20454            | 50926            | 107021 | 208007 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                          |            |            | 568514         | 1144064          | 3181990          |        |        | 5.00                 | 10.0           | 25.0           |       |       |

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE               | IS REF | CURVE TYPE | RESPONSE       |                |                |        |        | CONCENTRATION (UG/L) |                |                |       |       |
|-----------------------|--------|------------|----------------|----------------|----------------|--------|--------|----------------------|----------------|----------------|-------|-------|
|                       |        |            | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4  | LVL 5  | LVL 6                | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Propionitrile         | TBAd10 | Ave        |                | 13746          | 40115          | 100593 | 211390 |                      | 4.00           | 10.0           | 20.0  | 40.0  |
|                       |        |            | 577745         | 1238293        | 3616266        |        |        | 100                  | 200            | 500            |       |       |
| Methacrylonitrile     | TBAd10 | Ave        |                | 30724          | 71945          | 196895 | 411089 |                      | 2.00           | 5.00           | 10.0  | 20.0  |
|                       |        |            | 1112307        | 2326880        | 6534377        |        |        | 50.0                 | 100            | 250            |       |       |
| Bromochloromethane    | FB     | Ave        |                | 6550           | 16754          | 36486  | 74623  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 197640         | 404234         | 1117019        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Tetrahydrofuran       | TBAd10 | Ave        |                | 4000           | 12044          | 28742  | 62228  |                      | 1.00           | 2.50           | 5.00  | 10.0  |
|                       |        |            | 161577         | 343194         | 915468         |        |        | 25.0                 | 50.0           | 125            |       |       |
| Chloroform            | FB     | Ave        |                | 25238          | 62515          | 133234 | 262239 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 704502         | 1424329        | 3891858        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 1,1,1-Trichloroethane | FB     | Ave        |                | 22650          | 52561          | 116253 | 220515 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 601954         | 1201115        | 3296750        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Cyclohexane           | FB     | Ave        |                | 20351          | 54641          | 118901 | 230339 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 645896         | 1285512        | 3557226        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Carbon tetrachloride  | FB     | Ave        |                | 18439          | 46454          | 101125 | 195613 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 537473         | 1065827        | 2976831        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 1,1-Dichloropropene   | FB     | Ave        |                | 18315          | 45159          | 102486 | 200050 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 548847         | 1106272        | 3066005        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Isobutyl alcohol      | TBAd10 | Ave        |                | 13653          | 31385          | 66429  | 143547 |                      | 10.0           | 25.0           | 50.0  | 100   |
|                       |        |            | 358137         | 768008         | 2129603        |        |        | 250                  | 500            | 1250           |       |       |
| Benzene               | FB     | Ave        |                | 56461          | 139414         | 304188 | 604118 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 1610340        | 3241142        | 8874944        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 1,2-Dichloroethane    | FB     | Ave        |                | 16540          | 40001          | 84708  | 172034 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 456200         | 938251         | 2526418        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| t-Amyl methyl ether   | FB     | Ave        |                | 30183          | 77092          | 177707 | 363926 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 996461         | 2070244        | 5769149        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| n-Heptane             | FB     | Ave        |                | 17835          | 42754          | 93618  | 179366 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 507805         | 1000807        | 2799116        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| n-Butanol             | TBAd10 | Lin        |                | +++++          | 25611          | 74464  | 184301 |                      | +++++          | 43.8           | 87.5  | 175   |
|                       |        |            | 547554         | 1216149        | 3534527        |        |        | 438                  | 875            | 2188           |       |       |
| Trichloroethene       | FB     | Ave        |                | 1514           | 35274          | 79437  | 153520 | 0.0200               | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 420693         | 840412         | 2325645        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Methylcyclohexane     | FB     | Ave        |                | 19976          | 58852          | 125025 | 249774 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 708157         | 1395288        | 3864888        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 1,2-Dichloropropane   | FB     | Ave        |                | 14597          | 36245          | 79409  | 157767 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                       |        |            | 426263         | 866977         | 2433034        |        |        | 5.00                 | 10.0           | 25.0           |       |       |

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                     | IS REF | CURVE TYPE | RESPONSE       |                |                |        |         | CONCENTRATION (UG/L) |                |                |       |       |
|-----------------------------|--------|------------|----------------|----------------|----------------|--------|---------|----------------------|----------------|----------------|-------|-------|
|                             |        |            | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4  | LVL 5   | LVL 6                | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| 1,4-Dioxane                 | TBA01  | Ave        |                | +++++          | 5158           | 15876  | 32232   |                      | +++++          | 25.0           | 50.0  | 100   |
|                             |        |            | 78301          | 172137         | 456429         |        |         | 250                  | 500            | 1250           |       |       |
| Methyl methacrylate         | TBA01  | Ave        |                | +++++          | 10096          | 29746  | 64133   |                      | +++++          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 202395         | 422456         | 1262398        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| Dibromomethane              | FB     | Ave        |                | 7149           | 17038          | 39592  | 79344   |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 212924         | 437982         | 1197792        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| Bromodichloromethane        | FB     | Ave        |                | 17999          | 43379          | 97238  | 190658  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 518479         | 1052683        | 2917500        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| 2-Nitropropane              | TBA01  | Ave        |                | 12162          | 29884          | 58906  | 120823  |                      | 1.00           | 2.50           | 5.00  | 10.0  |
|                             |        |            | 337569         | 717770         | 2012071        |        |         | 25.0                 | 50.0           | 125            |       |       |
| 1-Bromo-2-chloroethane      | FB     | Ave        |                | 15795          | 37724          | 80689  | 173107  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 401545         | 896678         | 2454414        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| cis-1,3-Dichloropropene     | FB     | Ave        |                | 17521          | 45539          | 102535 | 210791  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 605599         | 1270142        | 3626659        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| 4-Methyl-2-pentanone (MIBK) | TBA01  | Ave        |                | 76900          | 207422         | 490507 | 1051687 |                      | 2.00           | 5.00           | 10.0  | 20.0  |
|                             |        |            | 2968874        | 6141987        | 17034210       |        |         | 50.0                 | 100            | 250            |       |       |
| Toluene                     | CBZd5  | Ave        |                | 35430          | 87565          | 190100 | 373044  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 1018093        | 2035073        | 5724327        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| trans-1,3-Dichloropropene   | CBZd5  | Ave        |                | 14030          | 34672          | 88153  | 179798  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 516959         | 1090525        | 3117732        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| Ethyl methacrylate          | CBZd5  | Ave        |                | +++++          | 27087          | 59170  | 143024  |                      | +++++          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 427537         | 926652         | 2657190        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| 1,1,2-Trichloroethane       | CBZd5  | Ave        |                | 10696          | 26704          | 56373  | 110368  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 300270         | 609961         | 1689096        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| Tetrachloroethene           | CBZd5  | Ave        |                | 1918           | 16699          | 91012  | 175573  | 0.0200               | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 479532         | 954514         | 2672239        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| 1,3-Dichloropropane         | CBZd5  | Ave        |                | 17867          | 42630          | 96138  | 196754  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 532072         | 1068090        | 2979287        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| 2-Hexanone                  | TBA01  | Ave        |                | 49343          | 149709         | 337967 | 744279  |                      | 2.00           | 5.00           | 10.0  | 20.0  |
|                             |        |            | 2094878        | 4407541        | 12319076       |        |         | 50.0                 | 100            | 250            |       |       |
| Dibromochloromethane        | CBZd5  | Ave        |                | 11830          | 30764          | 68655  | 139541  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 384743         | 794322         | 2243211        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| 1,2-Dibromoethane (EDB)     | CBZd5  | Ave        |                | 9113           | 23309          | 53380  | 108337  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 296369         | 601165         | 1680441        |        |         | 5.00                 | 10.0           | 25.0           |       |       |
| 1-Chlorohexane              | CBZd5  | Ave        |                | 20043          | 44545          | 103657 | 198743  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |        |            | 558645         | 1149154        | 3269970        |        |         | 5.00                 | 10.0           | 25.0           |       |       |

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                     | IS REF  | CURVE TYPE | RESPONSE       |                |                |        |        | CONCENTRATION (UG/L) |                |                |       |       |
|-----------------------------|---------|------------|----------------|----------------|----------------|--------|--------|----------------------|----------------|----------------|-------|-------|
|                             |         |            | LVL 1<br>LVL 6 | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4  | LVL 5  | LVL 6                | LVL 2<br>LVL 7 | LVL 3<br>LVL 8 | LVL 4 | LVL 5 |
| Chlorobenzene               | CBZd5   | Ave        |                | 42179          | 100892         | 225701 | 440950 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 1185368        | 2396616        | 6733799        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 1,1,1,2-Tetrachloroethane   | CBZd5   | Ave        |                | 13378          | 34776          | 77484  | 152891 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 419128         | 842460         | 2402856        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Ethylbenzene                | CBZd5   | Ave        |                | 63615          | 164719         | 367278 | 735159 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 2054022        | 4151451        | 11666486       |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| m&p-Xylene                  | CBZd5   | Ave        |                | 49330          | 124602         | 287289 | 576959 |                      | 0.400          | 1.00           | 2.00  | 4.00  |
|                             |         |            | 1616963        | 3265584        | 9119026        |        |        | 10.0                 | 20.0           | 50.0           |       |       |
| o-Xylene                    | CBZd5   | Ave        |                | 23243          | 59322          | 134672 | 275894 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 766421         | 1586761        | 4504679        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Styrene                     | CBZd5   | Ave        |                | 32018          | 86930          | 213631 | 425904 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 1250561        | 2589171        | 7493215        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Bromoform                   | CBZd5   | Ave        |                | 6594           | 18059          | 39206  | 81317  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 228503         | 479236         | 1384685        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Isopropylbenzene            | CBZd5   | Ave        |                | 51888          | 137476         | 315315 | 639413 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 1802969        | 3674824        | 10299232       |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 1,1,2,2-Tetrachloroethane   | DCBd4   | Ave        |                | 14173          | 34698          | 75867  | 153783 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 417378         | 848239         | 2379856        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Bromobenzene                | DCBd4   | Ave        |                | 16388          | 41420          | 89625  | 185301 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 498171         | 1017891        | 2907571        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| trans-1,4-Dichloro-2-butene | TBA d10 | Ave        |                | 25647          | 68128          | 163920 | 363087 |                      | 2.00           | 5.00           | 10.0  | 20.0  |
|                             |         |            | 997142         | 2164989        | 6414948        |        |        | 50.0                 | 100            | 250            |       |       |
| 1,2,3-Trichloropropane      | DCBd4   | Ave        |                | 3727           | 9256           | 20688  | 42110  |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 113700         | 232052         | 637616         |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| N-Propylbenzene             | DCBd4   | Ave        |                | 74240          | 187312         | 435602 | 862898 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 2492041        | 5025930        | 12937524       |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 2-Chlorotoluene             | DCBd4   | Ave        |                | 16516          | 41186          | 91783  | 182573 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 501851         | 1028131        | 2881174        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 1,3,5-Trimethylbenzene      | DCBd4   | Ave        |                | 50482          | 132885         | 302119 | 617966 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 1729793        | 3560054        | 9996943        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 4-Chlorotoluene             | DCBd4   | Ave        |                | 15876          | 40959          | 95585  | 190130 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 526768         | 1057520        | 3029367        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| tert-Butylbenzene           | DCBd4   | Ave        |                | 11958          | 30845          | 71346  | 144939 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 402643         | 828530         | 2341570        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| Pentachloroethane           | DCBd4   | Ave        |                | 9828           | 24606          | 53278  | 117225 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 282715         | 640789         | 1834823        |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| 1,2,4-Trimethylbenzene      | DCBd4   | Ave        |                | 48491          | 128458         | 304664 | 634832 |                      | 0.200          | 0.500          | 1.00  | 2.00  |
|                             |         |            | 1777764        | 3662492        | 10331534       |        |        | 5.00                 | 10.0           | 25.0           |       |       |
| sec-Butylbenzene            | DCBd4   | Ave        |                | 66871          | 174448         | 401402 | 802088 |                      | 0.200          | 0.500          | 1.00  | 2.00  |

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS      ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                      | IS REF | CURVE TYPE | RESPONSE       |                               |                    |         |         | CONCENTRATION (UG/L) |                      |                      |       |       |
|------------------------------|--------|------------|----------------|-------------------------------|--------------------|---------|---------|----------------------|----------------------|----------------------|-------|-------|
|                              |        |            | LVL 1<br>LVL 6 | LVL 2<br>LVL 7                | LVL 3<br>LVL 8     | LVL 4   | LVL 5   | LVL 6                | LVL 2<br>LVL 7       | LVL 3<br>LVL 8       | LVL 4 | LVL 5 |
|                              |        |            | 2285330        | 4625861                       | 12362120           |         |         | 5.00                 | 10.0                 | 25.0                 |       |       |
| 1,3-Dichlorobenzene          | DCBd4  | Ave        | 976737         | 30530<br>1997542              | 76143<br>5693507   | 174510  | 350129  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| p-Isopropyltoluene           | DCBd4  | Ave        | 1961910        | 51793<br>4048586              | 139995<br>11301809 | 332380  | 674590  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| 1,4-Dichlorobenzene          | DCBd4  | Ave        | 997564         | 36943<br>2052419              | 85736<br>5796258   | 192037  | 367128  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| 1,2,3-Trimethylbenzene       | DCBd4  | Ave        | 808563         | 26176<br>1656217              | 64674<br>4721333   | 147743  | 283874  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| Benzyl chloride              | DCBd4  | Ave        | 155840         | 4077<br>340972                | 10238<br>988599    | 26909   | 53901   | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| n-Butylbenzene               | DCBd4  | Ave        | 992428         | 29016<br>2040326              | 67225<br>5954848   | 166247  | 336658  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| 1,2-Dichlorobenzene          | DCBd4  | Ave        | 923573         | 30366<br>1895168              | 74215<br>5353962   | 171667  | 343779  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| 1,2-Dibromo-3-Chloropropane  | DCBd4  | Ave        | 57764          | 1597<br>126594                | 4245<br>363600     | 9851    | 21074   | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| 1,3,5-Trichlorobenzene       | DCBd4  | Ave        | 709891         | 21477<br>1479204              | 55837<br>4258260   | 125970  | 252787  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| 1,2,4-Trichlorobenzene       | DCBd4  | Ave        | 595239         | 16709<br>1268157              | 42887<br>3629811   | 99596   | 209563  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| Hexachlorobutadiene          | DCBd4  | Ave        | 274172         | 8774<br>570337                | 22773<br>1657265   | 50159   | 95828   | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| Naphthalene                  | DCBd4  | Ave        | 1216767        | 29772<br>2600870              | 80675<br>7218984   | 186075  | 415768  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| 1,2,3-Trichlorobenzene       | DCBd4  | Ave        | 546016         | 15745<br>1118380              | 37636<br>3238162   | 92422   | 196463  | 5.00                 | 0.200<br>10.0        | 0.500<br>25.0        | 1.00  | 2.00  |
| Dibromofluoromethane (Surr)  | FB     | Ave        | 581709         | 466056<br>621958              | 530369<br>658129   | 545249  | 482107  | 10.0<br>10.0         | 10.0<br>10.0         | 10.0<br>10.0         | 10.0  | 10.0  |
| 1,2-Dichloroethane-d4 (Surr) | FB     | Ave        | 118121         | 91457<br>107034<br>125073     | 95919<br>131850    | 113831  | 98794   | 10.0<br>10.0<br>10.0 | 10.0<br>10.0<br>10.0 | 10.0<br>10.0<br>10.0 | 10.0  | 10.0  |
| Toluene-d8 (Surr)            | CBZd5  | Ave        | 2343118        | 1802768<br>2084615<br>2502545 | 1879976<br>2667403 | 2205075 | 1929130 | 10.0<br>10.0<br>10.0 | 10.0<br>10.0<br>10.0 | 10.0<br>10.0<br>10.0 | 10.0  | 10.0  |
| 4-Bromofluorobenzene (Surr)  | CBZd5  | Ave        | 872272         | 635726<br>757153<br>943586    | 670865<br>1018318  | 796545  | 704162  | 10.0<br>10.0<br>10.0 | 10.0<br>10.0<br>10.0 | 10.0<br>10.0<br>10.0 | 10.0  | 10.0  |

Curve Type Legend:

Ave = Average ISTD  
Lin = Linear ISTD

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229793-1 Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Instrument ID: 19930 GC Column: R-624SilMS 3 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05 Calibration End Date: 03/17/2025 21:31 Calibration ID: 70829

Calibration Files:

| LEVEL:  | LAB SAMPLE ID:     | LAB FILE ID: |
|---------|--------------------|--------------|
| Level 1 | IC 410-617959/13   | IM17X12.D    |
| Level 2 | IC 410-617959/14   | IM17X13.D    |
| Level 3 | IC 410-617959/15   | IM17X14.D    |
| Level 4 | IC 410-617959/16   | IM17X15.D    |
| Level 5 | IC 410-617959/17   | IM17X16.D    |
| Level 6 | IC 410-617959/18   | IM17X17.D    |
| Level 7 | ICIS 410-617959/19 | IM17X18.D    |
| Level 8 | IC 410-617959/20   | IM17X19.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 |
|                         | LVL 7 #       | LVL 8 # |         |         |         |         | LVL 7               | LVL 8 |       |       |       |       |
| Dichlorodifluoromethane | -8.9          | 5.8     | 22.0    | -0.8    | 11.9    | -2.9    | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -11.9         | -15.2   |         |         |         |         | 30                  | 30    |       |       |       |       |
| Chloromethane           | 34.7          | 2.5     | 14.3    | -6.1    | 5.8     | -14.8   | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -17.9         | -18.5   |         |         |         |         | 30                  | 30    |       |       |       |       |
| 1,3-Butadiene           | 0.7           | 26.6    | 24.5    | -1.9    | 8.1     | -13.0   | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -21.0         | -24.0   |         |         |         |         | 30                  | 30    |       |       |       |       |
| Vinyl chloride          | -6.1          | 7.4     | 17.6    | -1.1    | 10.1    | -7.7    | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -10.8         | -9.4    |         |         |         |         | 30                  | 30    |       |       |       |       |
| Bromomethane            | 36.0          | 2.0     | 12.5    | -8.2    | 2.7     | -14.2   | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -16.2         | -14.5   |         |         |         |         | 30                  | 30    |       |       |       |       |
| Chloroethane            | 4.7           | 13.5    | 13.7    | -8.3    | 7.0     | -8.7    | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -11.7         | -10.2   |         |         |         |         | 30                  | 30    |       |       |       |       |
| Dichlorofluoromethane   | 22.7          | 5.4     | 14.2    | -8.6    | 6.0     | -11.5   | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -14.7         | -13.5   |         |         |         |         | 30                  | 30    |       |       |       |       |
| Trichlorofluoromethane  | -39.4         | 7.0     | 26.8    | 3.3     | 14.8    | -0.2    | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -6.3          | -6.1    |         |         |         |         | 30                  | 30    |       |       |       |       |
| Ethyl ether             | 4.9           | 5.6     | -2.0    | 19.1    | -11.0   |         | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -10.4         | -6.1    |         |         |         |         | 30                  | 30    |       |       |       |       |
| Freon 123a              | -38.3         | 9.8     | 26.0    | 2.4     | 15.0    | -3.0    | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -6.9          | -5.0    |         |         |         |         | 30                  | 30    |       |       |       |       |
| Acrolein                | -20.3         | -9.4    | -9.5    | 7.8     | 8.1     |         | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | 7.3           | 16.0    |         |         |         |         | 30                  | 30    |       |       |       |       |
| 1,1-Dichloroethene      | 9.3           | 0.3     | 11.4    | -2.4    | 7.0     | -5.4    | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -11.7         | -8.6    |         |         |         |         | 30                  | 30    |       |       |       |       |
| Acetone                 | -6.0          | 11.0    | 1.5     | 13.2    | -1.4    |         | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -9.5          | -8.8    |         |         |         |         | 30                  | 30    |       |       |       |       |
| Freon 113               | -4.1          | 14.7    | 2.1     | 8.2     | -1.9    |         | 50                  | 30    | 30    | 30    | 30    | 30    |
|                         | -10.6         | -8.4    |         |         |         |         | 30                  | 30    |       |       |       |       |

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                  | PERCENT ERROR      |                    |         |         |         |         | PERCENT ERROR LIMIT |                |       |       |       |       |
|--------------------------|--------------------|--------------------|---------|---------|---------|---------|---------------------|----------------|-------|-------|-------|-------|
|                          | LVL 1 #<br>LVL 7 # | LVL 2 #<br>LVL 8 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1<br>LVL 7      | LVL 2<br>LVL 8 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| Methyl iodide            | -8.3               | -1.4<br>-4.7       | 6.8     | 0.0     | 10.4    | -2.8    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Ethyl bromide            | -10.2              | 1.5<br>-7.2        | 14.0    | -3.9    | 17.6    | -11.9   | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Carbon disulfide         | -11.7              | 8.5<br>-9.3        | 8.7     | 0.1     | 9.9     | -6.2    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Methyl acetate           | 1.4                | ++++<br>8.4        | 2.5     | -20.1   | 3.0     | 4.7     | 30                  | 30             | 50    | 30    | 30    | 30    |
| Allyl chloride           | -6.7               | -1.8<br>-1.3       | 8.5     | -2.5    | 6.4     | -2.6    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Methylene Chloride       | -10.4              | 0.8<br>-7.1        | 9.5     | -0.9    | 11.9    | -3.9    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| t-Butyl alcohol          | -13.9              | 4.2<br>-6.6        | 11.8    | 2.1     | 10.8    | -8.4    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Acrylonitrile            | -1.1               | ++++<br>5.3        | ++++    | -18.8   | 7.5     | 7.1     | 30                  | 30             |       | 50    | 30    | 30    |
| Methyl tert-butyl ether  | -4.3               | -2.4<br>0.7        | 1.3     | -3.9    | 10.6    | -2.1    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| trans-1,2-Dichloroethene | -8.3               | -4.6<br>-3.8       | 7.0     | 0.8     | 10.8    | -1.8    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| n-Hexane                 | -4.2               | -14.1<br>0.1       | 6.1     | -2.3    | 10.2    | 4.2     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,1-Dichloroethane       | -7.4               | -6.0<br>-4.7       | 9.1     | 1.1     | 10.5    | -2.6    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| di-Isopropyl ether       | -3.0               | -10.3<br>2.1       | 1.7     | -2.4    | 10.9    | 1.1     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 2-Chloro-1,3-butadiene   | -1.8               | -10.5<br>3.5       | -2.6    | -2.2    | 12.9    | 0.7     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Ethyl t-butyl ether      | -2.5               | -8.5<br>2.9        | 1.1     | -4.1    | 11.1    | 0.0     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 2-Butanone (MEK)         | 1.6                | ++++<br>4.1        | -17.3   | -12.8   | 14.8    | 9.6     | 30                  | 30             | 50    | 30    | 30    | 30    |
| cis-1,2-Dichloroethene   | -39.0<br>-1.7      | 1.5<br>2.2         | 10.8    | 4.9     | 17.8    | 3.5     | 50<br>30            | 30             | 30    | 30    | 30    | 30    |
| 2,2-Dichloropropane      | -7.8               | -2.2<br>-3.6       | 9.1     | -1.6    | 8.7     | -2.5    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Propionitrile            | 6.4                | -32.6<br>13.6      | -9.4    | -3.4    | 15.1    | 10.3    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Methacrylonitrile        | 4.1                | -21.6<br>6.9       | -15.3   | -1.5    | 16.6    | 10.7    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE               | PERCENT ERROR      |                    |         |         |         |         | PERCENT ERROR LIMIT |                |       |       |       |       |
|-----------------------|--------------------|--------------------|---------|---------|---------|---------|---------------------|----------------|-------|-------|-------|-------|
|                       | LVL 1 #<br>LVL 7 # | LVL 2 #<br>LVL 8 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1<br>LVL 7      | LVL 2<br>LVL 8 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| Bromochloromethane    | -5.0               | -8.7<br>-1.4       | 4.6     | -2.2    | 13.8    | -1.1    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Tetrahydrofuran       | 4.5                | -30.5<br>2.0       | -3.5    | -2.1    | 20.2    | 9.4     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Chloroform            | -7.4               | -2.7<br>-4.9       | 8.0     | -1.2    | 10.6    | -2.5    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,1,1-Trichloroethane | -8.8               | 2.0<br>-5.9        | 6.1     | 0.7     | 8.6     | -2.7    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Cyclohexane           | -5.3               | -11.1<br>-1.6      | 6.9     | -0.1    | 10.0    | 1.2     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Carbon tetrachloride  | -7.7               | -5.2<br>-3.1       | 7.0     | -0.1    | 9.9     | -0.9    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,1-Dichloropropene   | -5.3               | -7.0<br>-1.4       | 2.7     | 0.0     | 11.1    | 0.0     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Isobutyl alcohol      | -4.0               | -2.6<br>-2.7       | 3.2     | -7.1    | 13.8    | -0.5    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Benzene               | -7.2               | -4.1<br>-4.5       | 6.1     | -0.7    | 12.2    | -1.9    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,2-Dichloroethane    | -6.0               | -1.7<br>-4.9       | 6.5     | -3.2    | 11.8    | -2.7    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| t-Amyl methyl ether   | -0.6               | -14.1<br>4.0       | -1.7    | -2.7    | 13.3    | 1.8     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| n-Heptane             | -7.3               | -2.0<br>-2.6       | 5.2     | -1.1    | 7.7     | 0.1     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| n-Butanol             | -3.3               | ++++<br>0.5        | 19.4    | -2.3    | 6.6     | 0.1     | 30                  | 30             | 50    | 30    | 30    | 30    |
| Trichloroethene       | 12.8<br>-9.1       | -2.0<br>-5.5       | 1.4     | -2.0    | 7.7     | -3.2    | 50<br>30            | 30<br>30       | 30    | 30    | 30    | 30    |
| Methylcyclohexane     | -3.8               | -18.3<br>0.2       | 7.9     | -1.7    | 11.7    | 3.9     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,2-Dichloropropane   | -5.9               | -6.0<br>-0.7       | 4.6     | -1.7    | 11.1    | -1.5    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,4-Dioxane           | 0.2                | ++++<br>-2.9       | -21.0   | 3.4     | 19.0    | 1.3     | 30                  | 30             | 50    | 30    | 30    | 30    |
| Methyl methacrylate   | 8.4                | ++++<br>18.4       | -31.9   | -14.7   | 4.3     | 15.4    | 30                  | 30             | 50    | 30    | 30    | 30    |
| Dibromomethane        | -3.7               | -6.8<br>-1.1       | -0.5    | -0.7    | 13.1    | -0.4    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Bromodichloromethane  | -5.8               | -4.4<br>-1.8       | 3.2     | -0.7    | 10.7    | -1.2    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |



FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                     | PERCENT ERROR      |                    |         |         |         |         | PERCENT ERROR LIMIT |                |       |       |       |       |
|-----------------------------|--------------------|--------------------|---------|---------|---------|---------|---------------------|----------------|-------|-------|-------|-------|
|                             | LVL 1 #<br>LVL 7 # | LVL 2 #<br>LVL 8 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1<br>LVL 7      | LVL 2<br>LVL 8 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| 2-Nitropropane              | -1.7               | -4.9<br>0.8        | 7.7     | -9.7    | 5.0     | 2.8     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1-Bromo-2-chloroethane      | -5.7               | -1.5<br>-3.0       | 5.4     | -3.2    | 18.1    | -10.1   | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| cis-1,3-Dichloropropene     | 2.1                | -16.5<br>9.5       | -2.7    | -6.0    | 9.9     | 3.6     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 4-Methyl-2-pentanone (MIBK) | 4.9                | -25.0<br>6.4       | -6.8    | -6.3    | 13.9    | 12.8    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Toluene                     | -7.7               | -4.1<br>-3.7       | 7.6     | -0.5    | 10.1    | -1.7    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| trans-1,3-Dichloropropene   | 4.4                | -19.8<br>10.7      | -10.1   | -2.6    | 12.1    | 5.3     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Ethyl methacrylate          | 7.6                | ++++<br>14.4       | -14.9   | -20.7   | 8.1     | 5.6     | 30                  | 30             | 50    | 30    | 30    | 30    |
| 1,1,2-Trichloroethane       | -7.3               | -3.0<br>-4.8       | 9.9     | -1.1    | 9.2     | -2.9    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Tetrachloroethene           | 22.0<br>-11.1      | -7.2<br>-7.7       | 4.6     | -2.1    | 6.5     | -5.0    | 50<br>30            | 30             | 30    | 30    | 30    | 30    |
| 1,3-Dichloropropane         | -5.6               | -5.7<br>-2.3       | 2.1     | -1.9    | 13.2    | 0.1     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 2-Hexanone                  | 7.0                | -31.6<br>9.4       | -4.4    | -8.2    | 14.6    | 13.1    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Dibromochloromethane        | -2.2               | -13.1<br>2.4       | 2.6     | -2.4    | 11.8    | 0.8     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,2-Dibromoethane (EDB)     | -3.3               | -12.5<br>0.3       | 1.6     | -0.9    | 13.4    | 1.4     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1-Chlorohexane              | -4.7               | -0.8<br>0.5        | 0.0     | -0.8    | 7.3     | -1.5    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Chlorobenzene               | -7.5               | -2.9<br>-3.6       | 5.4     | 0.5     | 10.8    | -2.7    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,1,1,2-Tetrachloroethane   | -5.7               | -10.7<br>-0.3      | 5.4     | 0.1     | 11.4    | -0.2    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Ethylbenzene                | -3.6               | -11.8<br>0.5       | 3.6     | -1.5    | 11.2    | 1.5     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| m&p-Xylene                  | -2.6               | -12.2<br>0.8       | 0.6     | -1.1    | 12.0    | 2.6     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| o-Xylene                    | -1.1               | -13.6<br>4.1       | 0.1     | -3.1    | 11.9    | 1.6     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Styrene                     | 3.4                | -23.7<br>11.0      | -6.0    | -1.5    | 10.7    | 6.2     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                     | PERCENT ERROR      |                    |         |         |         |         | PERCENT ERROR LIMIT |                |       |       |       |       |
|-----------------------------|--------------------|--------------------|---------|---------|---------|---------|---------------------|----------------|-------|-------|-------|-------|
|                             | LVL 1 #<br>LVL 7 # | LVL 2 #<br>LVL 8 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1<br>LVL 7      | LVL 2<br>LVL 8 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| Bromoform                   | 0.3                | -17.6<br>7.5       | 2.4     | -5.3    | 10.8    | 1.8     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Isopropylbenzene            | -0.9               | -16.5<br>3.0       | 0.4     | -1.8    | 12.3    | 3.5     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,1,2,2-Tetrachloroethane   | -6.8               | -5.0<br>-4.6       | 5.7     | -1.9    | 14.1    | -1.5    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Bromobenzene                | -6.3               | -7.9<br>-2.3       | 5.7     | -2.9    | 15.2    | -1.5    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| trans-1,4-Dichloro-2-butene | 7.3                | -27.5<br>16.3      | -11.1   | -9.1    | 14.2    | 9.9     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,2,3-Trichloropropane      | -5.6               | -7.5<br>-5.3       | 4.4     | -1.0    | 15.6    | -0.6    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| N-Propylbenzene             | -1.7               | -11.3<br>-7.6      | 1.6     | 0.3     | 14.0    | 4.7     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 2-Chlorotoluene             | -5.5               | -7.4<br>-3.4       | 4.9     | -0.8    | 13.2    | -1.0    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,3,5-Trimethylbenzene      | -1.9               | -15.1<br>0.5       | 1.4     | -2.1    | 14.9    | 2.3     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 4-Chlorotoluene             | -5.2               | -13.1<br>-0.9      | 1.8     | 0.9     | 15.1    | 1.5     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| tert-Butylbenzene           | -2.5               | -14.1<br>0.5       | 0.6     | -1.2    | 15.1    | 1.7     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Pentachloroethane           | -2.9               | -9.1<br>1.5        | 3.4     | -5.0    | 20.0    | -7.9    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,2,4-Trimethylbenzene      | 0.0                | -19.2<br>2.9       | -2.8    | -2.1    | 17.0    | 4.3     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| sec-Butylbenzene            | -2.2               | -13.7<br>-4.6      | 2.3     | -0.1    | 14.5    | 3.8     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,3-Dichlorobenzene         | -4.0               | -10.4<br>-0.1      | 1.4     | -1.3    | 13.6    | 0.8     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| p-Isopropyltoluene          | 1.6                | -20.7<br>3.5       | -2.6    | -1.8    | 14.3    | 5.8     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,4-Dichlorobenzene         | -8.4               | 0.7<br>-5.6        | 6.1     | 0.9     | 10.6    | -4.3    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,2,3-Trimethylbenzene      | -4.7               | -8.0<br>-0.8       | 3.2     | 0.1     | 10.3    | 0.0     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Benzyl chloride             | 6.1                | -22.6<br>12.3      | -11.7   | -1.5    | 13.2    | 4.2     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| n-Butylbenzene              | 0.5                | -12.7<br>7.1       | -8.2    | -3.6    | 12.0    | 5.0     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |

FORM VI  
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA  
READBACK PERCENT ERROR

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1      Analy Batch No.: 617959  
Environment Testing, LLC

SDG No.:

Instrument ID: 19930      GC Column: R-624SilMS 3 ID: 0.25 (mm)      Heated Purge: (Y/N) N

Calibration Start Date: 03/17/2025 19:05      Calibration End Date: 03/17/2025 21:31      Calibration ID: 70829

| ANALYTE                      | PERCENT ERROR      |                    |         |         |         |         | PERCENT ERROR LIMIT |                |       |       |       |       |
|------------------------------|--------------------|--------------------|---------|---------|---------|---------|---------------------|----------------|-------|-------|-------|-------|
|                              | LVL 1 #<br>LVL 7 # | LVL 2 #<br>LVL 8 # | LVL 3 # | LVL 4 # | LVL 5 # | LVL 6 # | LVL 1<br>LVL 7      | LVL 2<br>LVL 8 | LVL 3 | LVL 4 | LVL 5 | LVL 6 |
| 1,2-Dichlorobenzene          | -5.8               | -7.9<br>-2.9       | 2.2     | 0.4     | 15.3    | -1.4    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,2-Dibromo-3-Chloropropane  | 3.4                | -20.4<br>8.4       | -3.9    | -5.3    | 16.2    | 1.4     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,3,5-Trichlorobenzene       | -2.4               | -13.5<br>2.6       | 2.2     | -2.2    | 12.6    | 0.7     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,2,4-Trichlorobenzene       | 2.4                | -17.6<br>7.0       | -4.0    | -5.3    | 14.3    | 3.3     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Hexachlorobutadiene          | -4.2               | -10.1<br>1.6       | 6.0     | -0.9    | 8.6     | -1.1    | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Naphthalene                  | 7.7                | -24.7<br>9.1       | -7.4    | -9.3    | 16.3    | 8.3     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| 1,2,3-Trichlorobenzene       | -0.8               | -14.7<br>4.8       | -7.5    | -3.5    | 17.6    | 4.1     | 30                  | 50<br>30       | 30    | 30    | 30    | 30    |
| Dibromofluoromethane (Surr)  | 2.8<br>-0.4        | 0.8<br>-1.0        | -1.0    | -0.4    | 0.2     | -0.9    | 50<br>30            | 30<br>30       | 30    | 30    | 30    | 30    |
| 1,2-Dichloroethane-d4 (Surr) | -0.5<br>-1.2       | 0.3<br>-2.2        | 0.7     | 2.5     | 1.2     | -0.7    | 50<br>30            | 30<br>30       | 30    | 30    | 30    | 30    |
| Toluene-d8 (Surr)            | -1.6<br>0.0        | -0.6<br>-1.2       | 1.7     | 1.7     | 0.3     | -0.4    | 50<br>30            | 30<br>30       | 30    | 30    | 30    | 30    |
| 4-Bromofluorobenzene (Surr)  | -5.3<br>3.0        | -1.4<br>3.0        | -0.9    | 0.3     | 0.0     | 1.3     | 50<br>30            | 30<br>30       | 30    | 30    | 30    | 30    |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X12.D  
 Lims ID: IC std1  
 Client ID:  
 Sample Type: IC Calib Level: 1  
 Inject. Date: 17-Mar-2025 19:05:30 ALS Bottle#: 12 Worklist Smp#: 13  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0141066-013  
 Misc. Info.: IC STD1  
 Operator ID: knk41612 Instrument ID: 19930  
 Sublist: chrom-8260 25ml HP31\*sub2  
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 19-Mar-2025 10:16:06 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:05:23

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.825     | 1.806         | 0.019         | 1  | 1302     | 0.0200       | 0.0182         |       |
| 4 Chloromethane                     | 50  | 1.989     | 1.989         | 0.000         | 94 | 2479     | 0.0200       | 0.0269         |       |
| 5 Vinyl chloride                    | 62  | 2.093     | 2.099         | -0.006        | 1  | 1454     | 0.0200       | 0.0188         |       |
| 6 Butadiene                         | 39  | 2.068     | 2.099         | -0.031        | 31 | 2184     | 0.0200       | 0.0201         | M     |
| 7 Bromomethane                      | 94  | 2.398     | 2.404         | -0.006        | 1  | 1724     | 0.0200       | 0.0272         | M     |
| 8 Chloroethane                      | 64  | 2.452     | 2.471         | -0.019        | 1  | 1034     | 0.0200       | 0.0209         |       |
| 9 Dichlorofluoromethane             | 67  | 2.690     | 2.696         | -0.006        | 91 | 3491     | 0.0200       | 0.0245         |       |
| 10 Trichlorofluoromethane           | 101 | 2.745     | 2.757         | -0.012        | 0  | 1183     | 0.0200       | 0.0121         | M     |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.056     | 3.056         | 0.000         | 1  | 851      | 0.0200       | 0.0123         |       |
| 15 1,1-Dichloroethene               | 96  | 3.239     | 3.257         | -0.018        | 1  | 1123     | 0.0200       | 0.0219         |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.885     | 3.885         | 0.000         | 22 | 142904   | 50.0         | 50.0           |       |
| 39 cis-1,2-Dichloroethene           | 96  | 5.781     | 5.745         | 0.036         | 1  | 777      | 0.0200       | 0.0122         | a     |
| S 41 1,2-Dichloroethene, Total      | 100 |           |               |               | 0  |          |              | 0.0122         |       |
| \$ 49 Dibromofluoromethane (Surr)   | 113 | 6.452     | 6.452         | 0.000         | 93 | 466056   | 10.0         | 10.3           |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr)  | 102 | 6.903     | 6.903         | 0.000         | 63 | 91457    | 10.0         | 9.95           |       |
| * 61 Fluorobenzene (IS)             | 96  | 7.342     | 7.348         | -0.006        | 99 | 1835182  | 10.0         | 10.0           |       |
| 64 Trichloroethene                  | 95  | 7.842     | 7.830         | 0.012         | 7  | 1514     | 0.0200       | 0.0226         | M     |
| \$ 78 Toluene-d8 (Surr)             | 98  | 9.390     | 9.390         | 0.000         | 94 | 1802768  | 10.0         | 9.84           |       |
| 101 Tetrachloroethene               | 166 | 10.042    | 10.042        | 0.000         | 89 | 1918     | 0.0200       | 0.0244         |       |
| * 107 Chlorobenzene-d5 (IS)         | 117 | 10.890    | 10.890        | 0.000         | 86 | 1390900  | 10.0         | 10.0           |       |
| \$ 120 4-Bromofluorobenzene (Surr)  | 95  | 11.902    | 11.902        | 0.000         | 92 | 635726   | 10.0         | 9.47           |       |
| * 135 1,4-Dichlorobenzene-d4        | 152 | 12.786    | 12.786        | 0.000         | 95 | 766091   | 10.0         | 10.0           |       |

## QC Flag Legend

Processing Flags

## Review Flags

M - Manually Integrated

a - User Assigned ID

**Reagents:**

MSV\_CCv\_SIM\_00073

Amount Added: 1.00

Units: uL

MSV\_LLcentISS\_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 19-Mar-2025 10:16:07

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X12.D

Injection Date: 17-Mar-2025 19:05:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std1

Worklist Smp#: 13

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

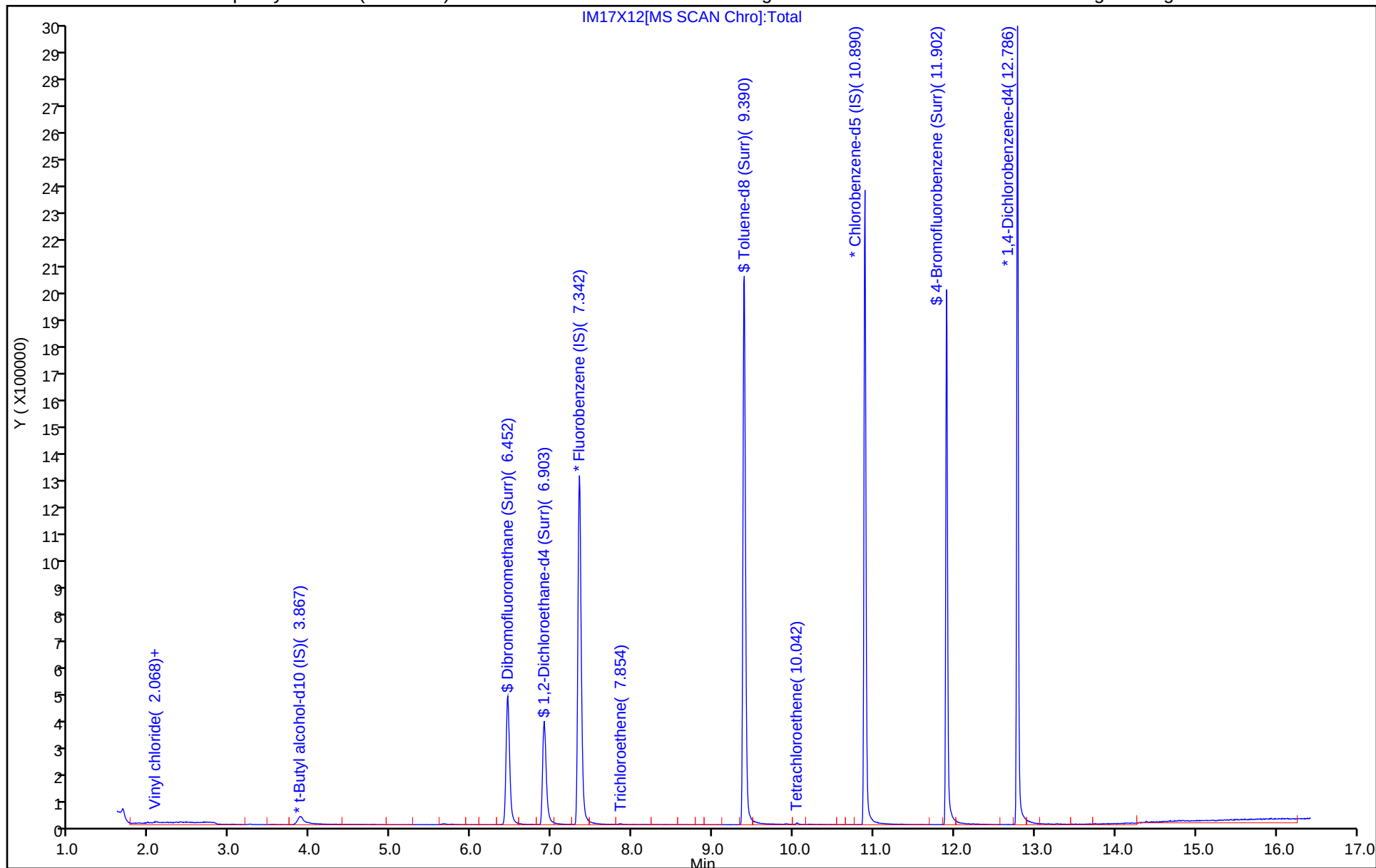
ALS Bottle#: 12

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## Eurofins Lancaster Laboratories Environment Testing, LLC

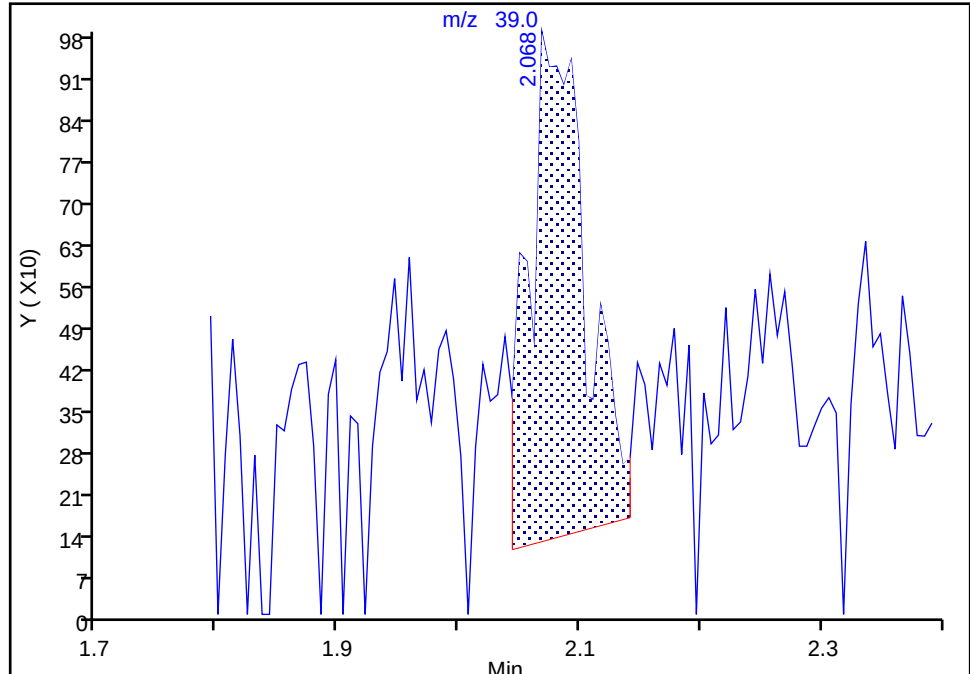
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Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930  
Lims ID: IC std1  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**6 Butadiene, CAS: 106-99-0**

Signal: 1

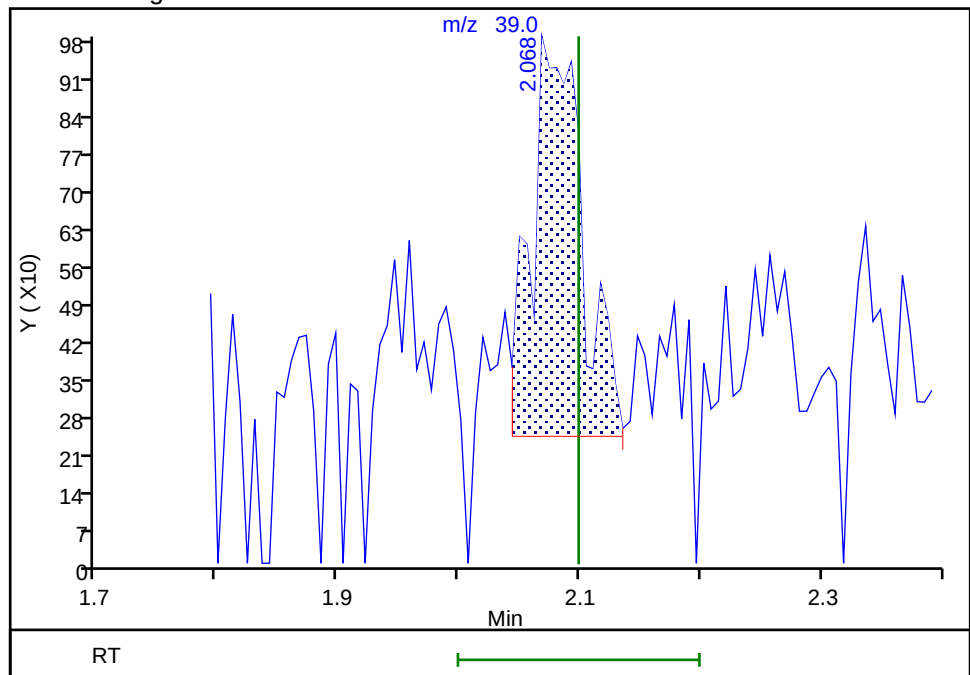
RT: 2.07  
Area: 2828  
Amount: 0.025148  
Amount Units: ug/l

## Processing Integration Results



RT: 2.07  
Area: 2184  
Amount: 0.020142  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:01 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

## Eurofins Lancaster Laboratories Environment Testing, LLC

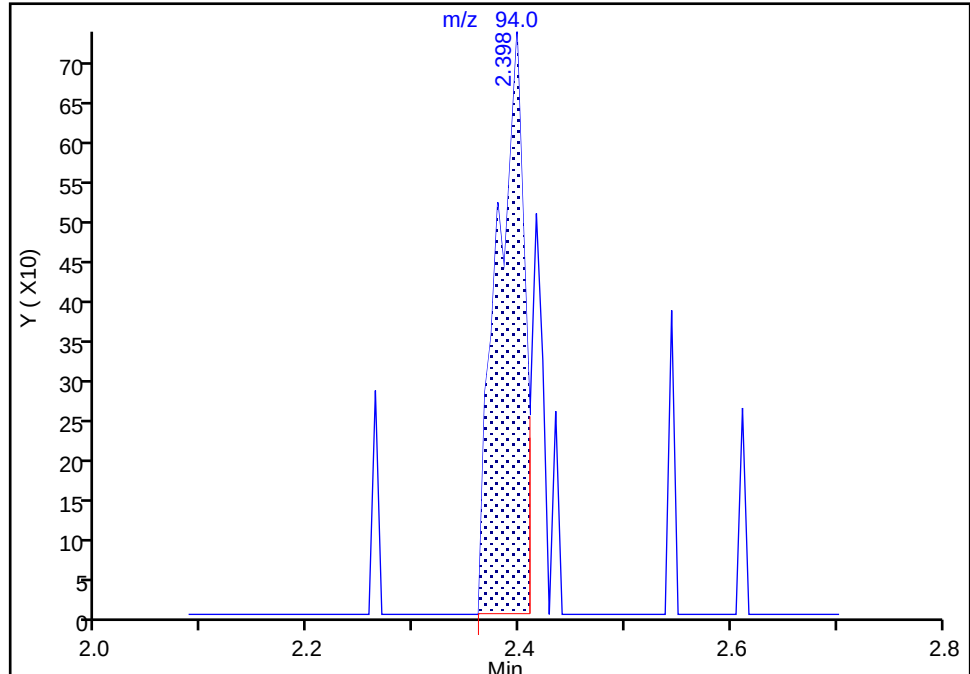
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Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930  
Lims ID: IC std1  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**7 Bromomethane, CAS: 74-83-9**

Signal: 1

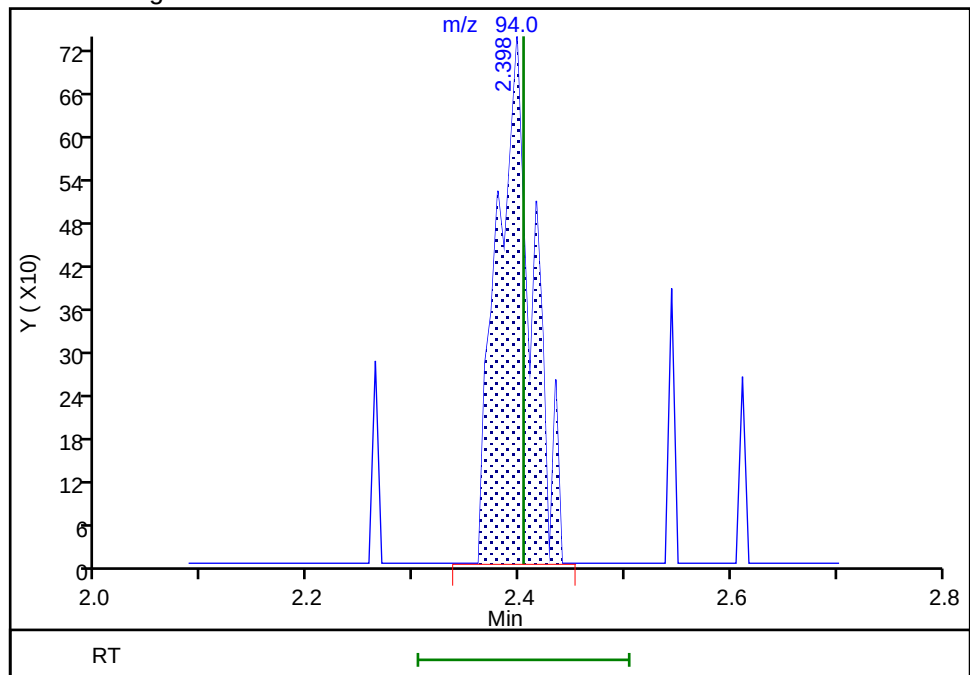
RT: 2.40  
Area: 1329  
Amount: 0.021816  
Amount Units: ug/l

## Processing Integration Results



RT: 2.40  
Area: 1724  
Amount: 0.027198  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:06 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration



## Eurofins Lancaster Laboratories Environment Testing, LLC

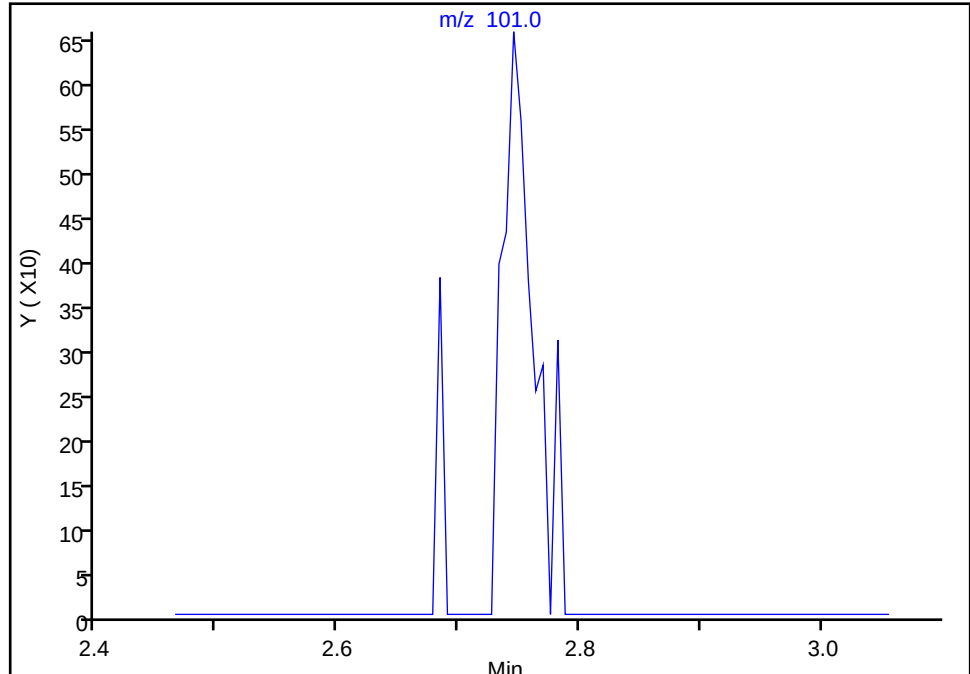
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Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930  
Lims ID: IC std1  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**10 Trichlorofluoromethane, CAS: 75-69-4**

Signal: 1

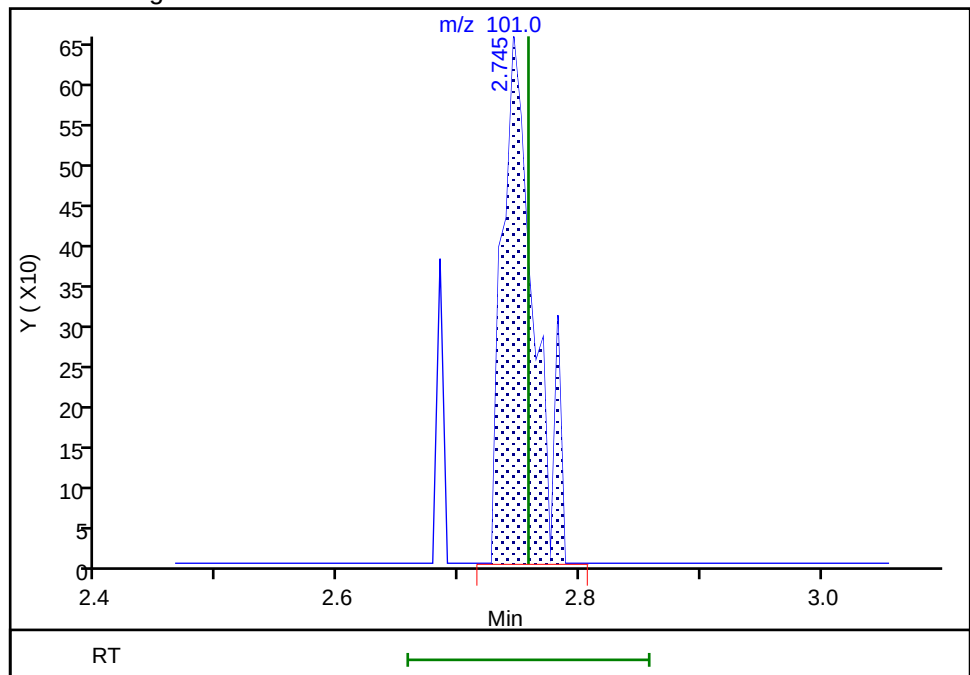
Not Detected  
Expected RT: 2.76

## Processing Integration Results



RT: 2.75  
Area: 1183  
Amount: 0.012125  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:12 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

## Eurofins Lancaster Laboratories Environment Testing, LLC

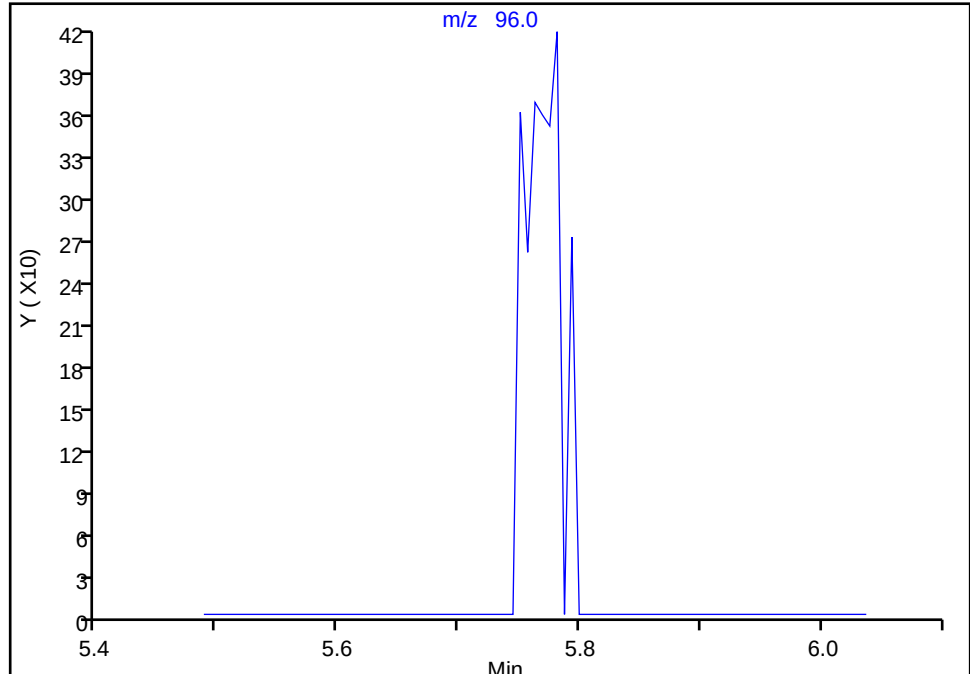
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X12.D  
Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930  
Lims ID: IC std1  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) MS Quad

**39 cis-1,2-Dichloroethene, CAS: 156-59-2**

Signal: 1

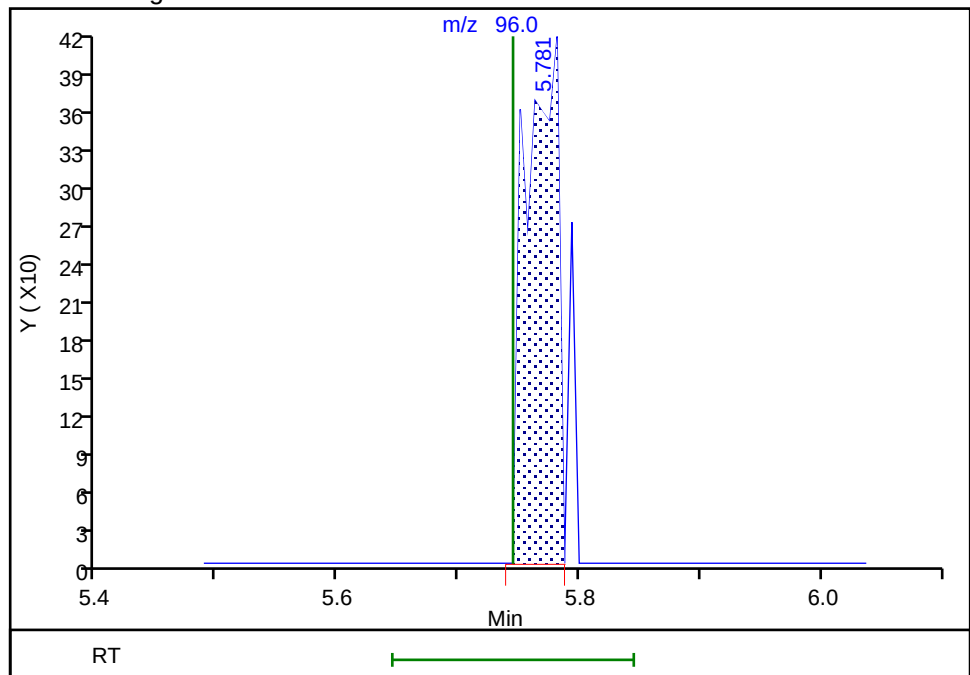
Not Detected  
Expected RT: 5.74

## Processing Integration Results



RT: 5.78  
Area: 777  
Amount: 0.012204  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:19 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

## Eurofins Lancaster Laboratories Environment Testing, LLC

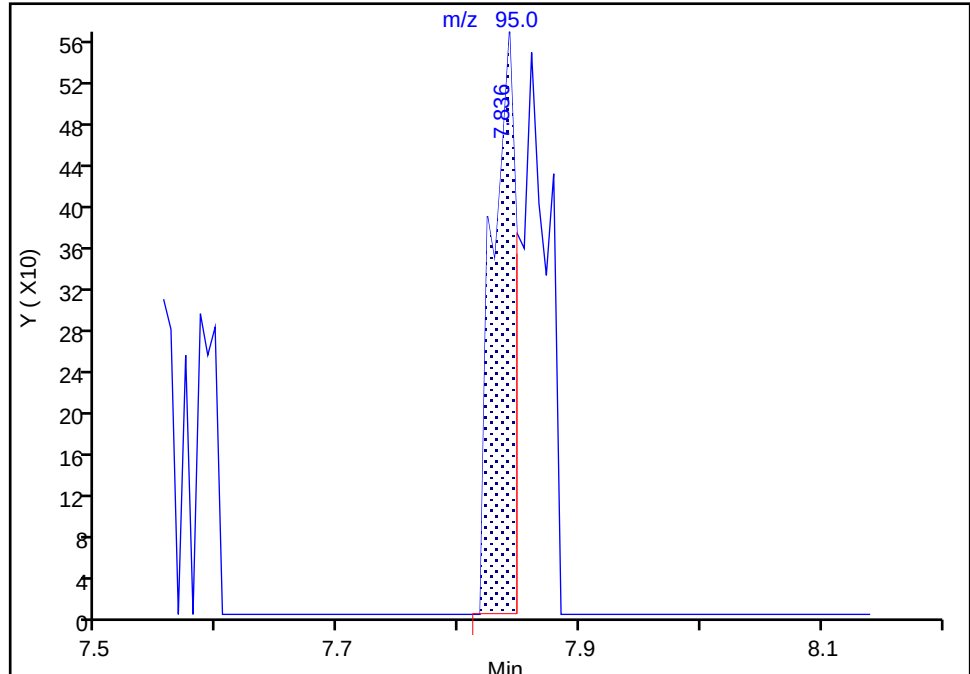
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Injection Date: 17-Mar-2025 19:05:30 Instrument ID: 19930  
Lims ID: IC std1  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 12 Worklist Smp#: 13  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**64 Trichloroethene, CAS: 79-01-6**

Signal: 1

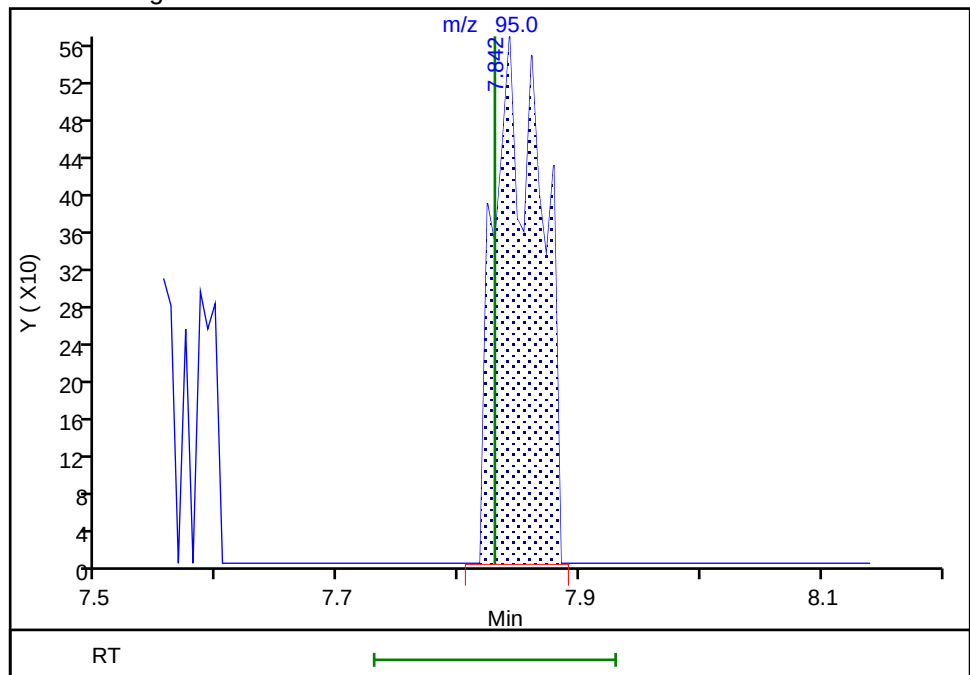
RT: 7.84  
Area: 767  
Amount: 0.019898  
Amount Units: ug/l

## Processing Integration Results



RT: 7.84  
Area: 1514  
Amount: 0.022554  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:15:27 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D  
 Lims ID: IC std2  
 Client ID:  
 Sample Type: IC Calib Level: 2  
 Inject. Date: 17-Mar-2025 19:25:30 ALS Bottle#: 13 Worklist Smp#: 14  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0141066-014  
 Misc. Info.: IC STD2  
 Operator ID: knk41612 Instrument ID: 19930  
 Sublist: chrom-8260 25ml HP31\*sub2  
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 19-Mar-2025 10:16:11 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:19:26

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.813     | 1.806         | 0.007         | 99  | 17559    | 0.2000       | 0.2116         |       |
| 4 Chloromethane                     | 50  | 1.989     | 1.989         | 0.000         | 99  | 21920    | 0.2000       | 0.2051         |       |
| 5 Vinyl chloride                    | 62  | 2.093     | 2.099         | -0.006        | 84  | 19295    | 0.2000       | 0.2147         |       |
| 6 Butadiene                         | 39  | 2.099     | 2.099         | 0.000         | 97  | 31891    | 0.2000       | 0.2533         |       |
| 7 Bromomethane                      | 94  | 2.404     | 2.404         | 0.000         | 88  | 15019    | 0.2000       | 0.2041         |       |
| 8 Chloroethane                      | 64  | 2.465     | 2.471         | -0.006        | 97  | 13013    | 0.2000       | 0.2270         |       |
| 9 Dichlorofluoromethane             | 67  | 2.696     | 2.696         | 0.000         | 97  | 34844    | 0.2000       | 0.2109         |       |
| 10 Trichlorofluoromethane           | 101 | 2.764     | 2.757         | 0.007         | 96  | 24246    | 0.2000       | 0.2140         |       |
| 11 Ethyl ether                      | 59  | 2.983     | 2.971         | 0.012         | 93  | 11202    | 0.2000       | 0.2097         |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.062     | 3.056         | 0.006         | 87  | 17590    | 0.2000       | 0.2196         |       |
| 14 Acrolein                         | 56  | 3.148     | 3.123         | 0.025         | 99  | 59710    | 9.76         | 7.78           |       |
| 15 1,1-Dichloroethene               | 96  | 3.263     | 3.257         | 0.006         | 96  | 11968    | 0.2000       | 0.2007         |       |
| 16 Acetone                          | 43  | 3.318     | 3.282         | 0.036         | 89  | 21374    | 2.00         | 1.88           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 | 3.294     | 3.294         | 0.000         | 79  | 12982    | 0.2000       | 0.1917         |       |
| 18 Iodomethane                      | 142 | 3.428     | 3.440         | -0.012        | 98  | 24366    | 0.2000       | 0.1972         |       |
| 19 Ethyl bromide                    | 108 | 3.465     | 3.458         | 0.007         | 98  | 11290    | 0.2003       | 0.2034         |       |
| 20 Carbon disulfide                 | 76  | 3.538     | 3.538         | 0.000         | 100 | 41726    | 0.2000       | 0.2169         |       |
| 23 Methyl acetate                   | 43  |           | 3.672         |               |     |          | ND           | ND             | U     |
| 24 3-Chloro-1-propene               | 41  | 3.696     | 3.690         | 0.006         | 89  | 19098    | 0.2000       | 0.1964         |       |
| 25 Methylene Chloride               | 84  | 3.867     | 3.861         | 0.006         | 79  | 14128    | 0.2000       | 0.2016         |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.885     | 3.885         | 0.000         | 86  | 173186   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  | 3.995     | 3.989         | 0.006         | 96  | 16650    | 4.00         | 4.17           |       |
| 28 Acrylonitrile                    | 53  |           | 4.178         |               |     |          | ND           | ND             |       |
| 29 Methyl tert-butyl ether          | 73  | 4.233     | 4.233         | 0.000         | 95  | 32652    | 0.2000       | 0.1953         |       |
| 30 trans-1,2-Dichloroethene         | 96  | 4.269     | 4.245         | 0.024         | 98  | 12621    | 0.2000       | 0.1907         |       |
| 31 Hexane                           | 57  | 4.672     | 4.672         | 0.000         | 93  | 15923    | 0.2000       | 0.1718         |       |
| 32 1,1-Dichloroethane               | 63  | 4.916     | 4.903         | 0.013         | 96  | 23911    | 0.2000       | 0.1880         |       |
| 35 Isopropyl ether                  | 45  | 4.977     | 4.964         | 0.013         | 90  | 36608    | 0.2000       | 0.1793         |       |
| 36 2-Chloro-1,3-butadiene           | 53  | 5.038     | 5.019         | 0.019         | 91  | 17725    | 0.2000       | 0.1791         |       |
| 37 Tert-butyl ethyl ether           | 59  | 5.519     | 5.513         | 0.006         | 96  | 34931    | 0.2000       | 0.1830         |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 38 2-Butanone (MEK)                | 43  | 5.836     | 5.720         | 0.116         | 19 | 20496    | 2.00         | 1.07           | Ma    |
| 39 cis-1,2-Dichloroethene          | 96  | 5.775     | 5.745         | 0.030         | 83 | 15004    | 0.2000       | 0.2029         |       |
| 40 2,2-Dichloropropane             | 77  | 5.751     | 5.757         | -0.006        | 69 | 20454    | 0.2000       | 0.1955         |       |
| 43 Propionitrile                   | 54  | 5.897     | 5.799         | 0.098         | 32 | 13746    | 4.00         | 2.69           | Ma    |
| 45 Methacrylonitrile               | 67  | 6.056     | 6.019         | 0.037         | 90 | 30724    | 2.00         | 1.57           |       |
| 46 Chlorobromomethane              | 128 | 6.086     | 6.080         | 0.006         | 88 | 6550     | 0.2000       | 0.1826         |       |
| 47 Tetrahydrofuran                 | 71  | 6.141     | 6.092         | 0.049         | 81 | 4000     | 1.00         | 0.6951         |       |
| S 41 1,2-Dichloroethene, Total     | 100 |           |               |               | 0  |          |              | 0.3937         |       |
| 48 Chloroform                      | 83  | 6.238     | 6.238         | 0.000         | 93 | 25238    | 0.2000       | 0.1947         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.458     | 6.452         | 0.006         | 93 | 530369   | 10.0         | 10.1           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.464     | 6.458         | 0.006         | 37 | 22650    | 0.2000       | 0.2041         |       |
| 51 Cyclohexane                     | 56  | 6.568     | 6.561         | 0.007         | 92 | 20351    | 0.2000       | 0.1778         |       |
| 54 Carbon tetrachloride            | 117 | 6.677     | 6.671         | 0.006         | 95 | 18439    | 0.2000       | 0.1895         |       |
| 53 1,1-Dichloropropene             | 75  | 6.677     | 6.677         | 0.000         | 92 | 18315    | 0.2000       | 0.1859         |       |
| 55 Isobutyl alcohol                | 41  | 6.891     | 6.836         | 0.055         | 30 | 13653    | 10.0         | 9.74           |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.903     | 6.903         | 0.000         | 66 | 107034   | 10.0         | 10.0           |       |
| 57 Benzene                         | 78  | 6.940     | 6.933         | 0.007         | 95 | 56461    | 0.2000       | 0.1918         |       |
| 58 1,2-Dichloroethane              | 62  | 7.025     | 7.013         | 0.012         | 96 | 16540    | 0.2000       | 0.1966         |       |
| 60 Tert-amyl methyl ether          | 73  | 7.135     | 7.135         | 0.000         | 96 | 30183    | 0.2000       | 0.1718         |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.348     | 7.348         | 0.000         | 99 | 2130985  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.372     | 7.366         | 0.006         | 64 | 17835    | 0.2000       | 0.1959         |       |
| 63 n-Butanol                       | 56  |           | 7.726         |               |    |          | ND           | ND             |       |
| 64 Trichloroethene                 | 95  | 7.848     | 7.830         | 0.018         | 97 | 15271    | 0.2000       | 0.1959         |       |
| 65 Methylcyclohexane               | 83  | 8.134     | 8.134         | 0.000         | 85 | 19976    | 0.2000       | 0.1634         |       |
| 66 1,2-Dichloropropane             | 63  | 8.171     | 8.159         | 0.012         | 76 | 14597    | 0.2000       | 0.1880         |       |
| 68 1,4-Dioxane                     | 88  | 8.293     | 8.250         | 0.043         | 37 | 976      | 10.0         | 3.24           | M     |
| 67 Methyl methacrylate             | 69  | 8.330     | 8.256         | 0.074         | 33 | 2673     | 0.2000       | 0.0782         | Ma    |
| 69 Dibromomethane                  | 93  | 8.275     | 8.268         | 0.007         | 96 | 7149     | 0.2000       | 0.1864         | a     |
| 71 Dichlorobromomethane            | 83  | 8.506     | 8.506         | 0.000         | 89 | 17999    | 0.2000       | 0.1912         |       |
| 72 2-Nitropropane                  | 41  | 8.775     | 8.768         | 0.007         | 94 | 12162    | 1.00         | 0.9507         |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.921     | 8.896         | 0.025         | 96 | 15795    | 0.2000       | 0.1971         |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.085     | 9.067         | 0.018         | 95 | 17521    | 0.2000       | 0.1671         |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.256     | 9.250         | 0.006         | 98 | 76900    | 2.00         | 1.50           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.390         | 0.000         | 94 | 2084615  | 10.0         | 9.94           |       |
| 79 Toluene                         | 92  | 9.482     | 9.469         | 0.013         | 97 | 35430    | 0.2000       | 0.1918         |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.774     | 9.744         | 0.030         | 93 | 14030    | 0.2000       | 0.1603         |       |
| 99 Ethyl methacrylate              | 69  | 9.848     | 9.811         | 0.037         | 82 | 8649     | 0.2000       | 0.1198         |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.963     | 9.951         | 0.012         | 90 | 10696    | 0.2000       | 0.1940         |       |
| 101 Tetrachloroethene              | 166 | 10.043    | 10.042        | 0.001         | 94 | 16699    | 0.2000       | 0.1856         |       |
| S 98 1,3-Dichloropropene, Total    | 100 |           |               |               | 0  |          |              | 0.3274         |       |
| 102 1,3-Dichloropropane            | 76  | 10.128    | 10.116        | 0.012         | 91 | 17867    | 0.2000       | 0.1886         |       |
| 103 2-Hexanone                     | 43  | 10.207    | 10.171        | 0.036         | 97 | 49343    | 2.00         | 1.37           |       |
| 105 Chlorodibromomethane           | 129 | 10.335    | 10.335        | 0.000         | 89 | 11830    | 0.2000       | 0.1739         |       |
| 106 Ethylene Dibromide             | 107 | 10.463    | 10.451        | 0.012         | 98 | 9113     | 0.2000       | 0.1750         |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.890    | 10.890        | 0.000         | 86 | 1591685  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.908    | 10.902        | 0.006         | 73 | 20043    | 0.2000       | 0.1983         |       |
| 109 Chlorobenzene                  | 112 | 10.921    | 10.914        | 0.006         | 97 | 42179    | 0.2000       | 0.1942         |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.000    | 11.000        | 0.000         | 88 | 13378    | 0.2000       | 0.1787         |       |
| 112 Ethylbenzene                   | 91  | 11.012    | 11.006        | 0.006         | 98 | 63615    | 0.2000       | 0.1764         |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.134    | 11.122        | 0.012         | 94 | 49330    | 0.4000       | 0.3511         |       |
| S 110 Xylenes, Total               | 106 |           |               |               | 0  |          |              | 0.5239         |       |
| 114 o-Xylene                       | 106 | 11.457    | 11.457        | 0.000         | 96 | 23243    | 0.2000       | 0.1729         |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 115 Styrene                        | 104 | 11.487    | 11.469        | 0.018         | 94 | 32018    | 0.2000       | 0.1526         | a     |
| 116 Bromoform                      | 173 | 11.628    | 11.628        | 0.000         | 93 | 6594     | 0.2000       | 0.1648         |       |
| 117 Isopropylbenzene               | 105 | 11.762    | 11.756        | 0.006         | 96 | 51888    | 0.2000       | 0.1670         |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.902    | 11.902        | 0.000         | 91 | 757153   | 10.0         | 9.86           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.012    | 12.006        | 0.006         | 92 | 14173    | 0.2000       | 0.1901         | a     |
| 122 Bromobenzene                   | 156 | 12.024    | 12.018        | 0.006         | 92 | 16388    | 0.2000       | 0.1842         |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.042    | 12.030        | 0.012         | 93 | 25647    | 2.00         | 1.45           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.054    | 12.048        | 0.006         | 77 | 3727     | 0.2000       | 0.1851         |       |
| 125 N-Propylbenzene                | 91  | 12.091    | 12.091        | 0.000         | 99 | 74240    | 0.2000       | 0.1773         |       |
| 126 2-Chlorotoluene                | 126 | 12.164    | 12.164        | 0.000         | 97 | 16516    | 0.2000       | 0.1852         |       |
| 127 1,3,5-Trimethylbenzene         | 105 | 12.231    | 12.225        | 0.006         | 95 | 50482    | 0.2000       | 0.1697         |       |
| 128 4-Chlorotoluene                | 126 | 12.268    | 12.255        | 0.013         | 95 | 15876    | 0.2000       | 0.1738         |       |
| 129 tert-Butylbenzene              | 134 | 12.469    | 12.469        | 0.000         | 94 | 11958    | 0.2000       | 0.1717         |       |
| 130 Pentachloroethane              | 167 | 12.499    | 12.499        | 0.000         | 81 | 9828     | 0.2000       | 0.1819         |       |
| 131 1,2,4-Trimethylbenzene         | 105 | 12.518    | 12.512        | 0.006         | 98 | 48491    | 0.2000       | 0.1616         |       |
| 132 sec-Butylbenzene               | 105 | 12.634    | 12.633        | 0.001         | 95 | 66871    | 0.2000       | 0.1726         |       |
| 133 1,3-Dichlorobenzene            | 146 | 12.737    | 12.725        | 0.012         | 98 | 30530    | 0.2000       | 0.1791         |       |
| 134 4-Isopropyltoluene             | 119 | 12.743    | 12.737        | 0.006         | 97 | 51793    | 0.2000       | 0.1587         |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.786    | 12.786        | 0.000         | 95 | 911111   | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 | 12.804    | 12.804        | 0.000         | 94 | 36943    | 0.2000       | 0.2013         |       |
| 137 1,2,3-Trimethylbenzene         | 120 | 12.816    | 12.810        | 0.006         | 96 | 26176    | 0.2000       | 0.1839         |       |
| 138 Benzyl chloride                | 126 | 12.896    | 12.877        | 0.019         | 98 | 4077     | 0.2000       | 0.1549         |       |
| 139 n-Butylbenzene                 | 92  | 13.036    | 13.030        | 0.006         | 97 | 29016    | 0.2000       | 0.1745         |       |
| 140 1,2-Dichlorobenzene            | 146 | 13.066    | 13.060        | 0.006         | 97 | 30366    | 0.2000       | 0.1842         |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 | 13.609    | 13.603        | 0.006         | 82 | 1597     | 0.2000       | 0.1593         |       |
| 143 1,3,5-Trichlorobenzene         | 180 | 13.737    | 13.725        | 0.012         | 97 | 21477    | 0.2000       | 0.1730         |       |
| 144 1,2,4-Trichlorobenzene         | 180 | 14.158    | 14.145        | 0.013         | 92 | 16709    | 0.2000       | 0.1647         |       |
| 145 Hexachlorobutadiene            | 225 | 14.231    | 14.231        | 0.000         | 95 | 8774     | 0.2000       | 0.1799         |       |
| 146 Naphthalene                    | 128 | 14.341    | 14.322        | 0.019         | 98 | 29772    | 0.2000       | 0.1505         |       |
| 147 1,2,3-Trichlorobenzene         | 180 | 14.475    | 14.468        | 0.007         | 93 | 15745    | 0.2000       | 0.1705         |       |
| 156 p-Diethylbenzene               | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                        | 43  |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol              | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane       | 1   |           | 0.000         |               |    |          | ND           | ND             |       |

## QC Flag Legend

### Processing Flags

ND - Not Detected or Marked ND

### Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

## Reagents:

|                     |                    |           |             |
|---------------------|--------------------|-----------|-------------|
| MSV_LL_#1_826_00162 | Amount Added: 2.00 | Units: uL |             |
| MSV_LL_#2_826_00172 | Amount Added: 2.00 | Units: uL |             |
| MSV_LL_GAS826_00262 | Amount Added: 2.00 | Units: uL |             |
| MSV_LLcentISS_00016 | Amount Added: 5.00 | Units: uL | Run Reagent |

Report Date: 19-Mar-2025 10:16:12

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D

Injection Date: 17-Mar-2025 19:25:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std2

Worklist Smp#: 14

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

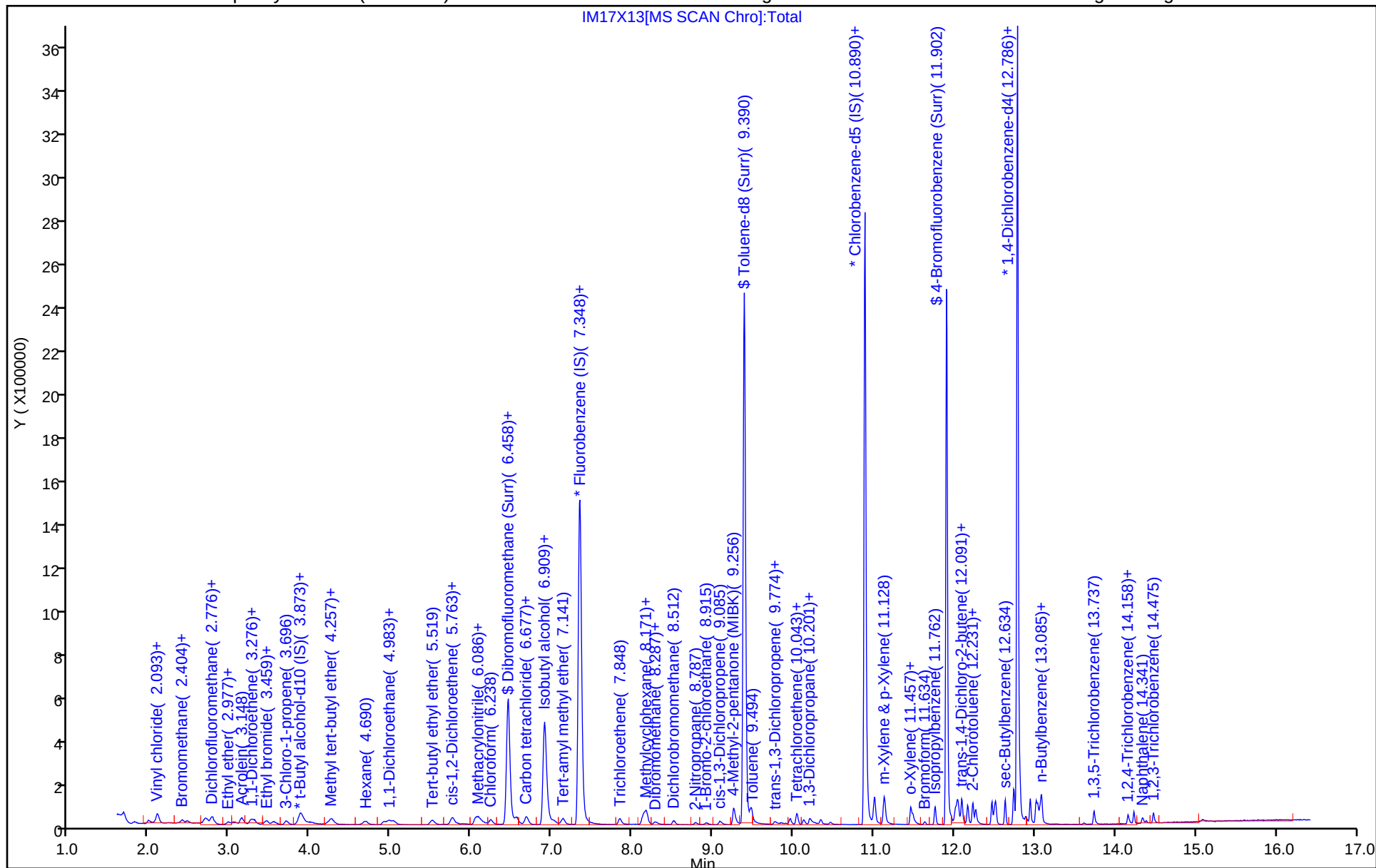
ALS Bottle#: 13

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## Eurofins Lancaster Laboratories Environment Testing, LLC

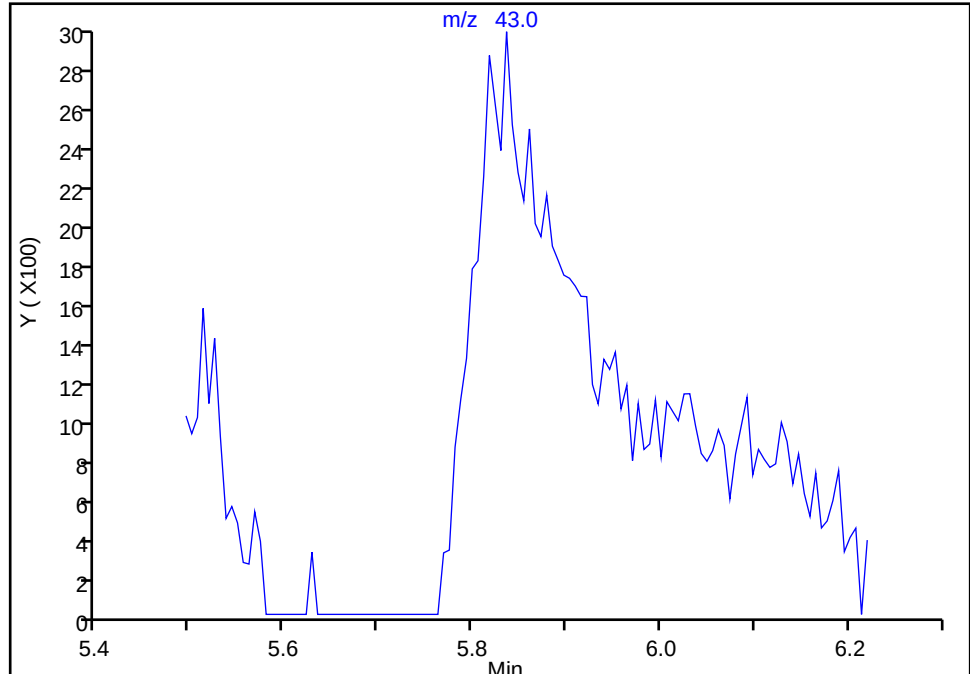
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Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930  
Lims ID: IC std2  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) MS Quad

**38 2-Butanone (MEK), CAS: 78-93-3**

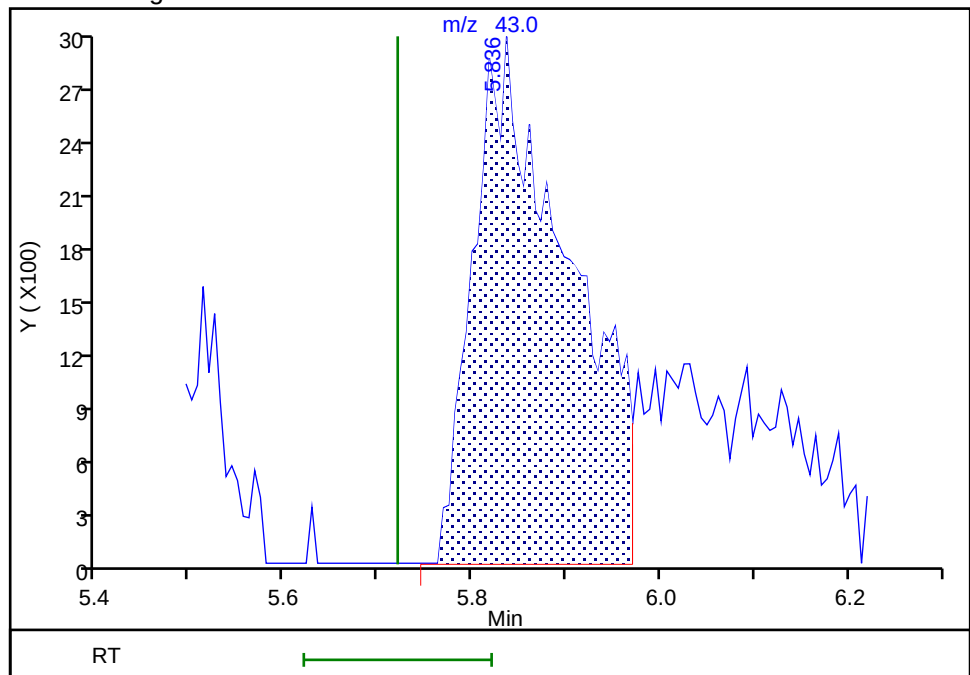
Signal: 1

Not Detected  
Expected RT: 5.72

## Processing Integration Results



## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:17:58 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration



## Eurofins Lancaster Laboratories Environment Testing, LLC

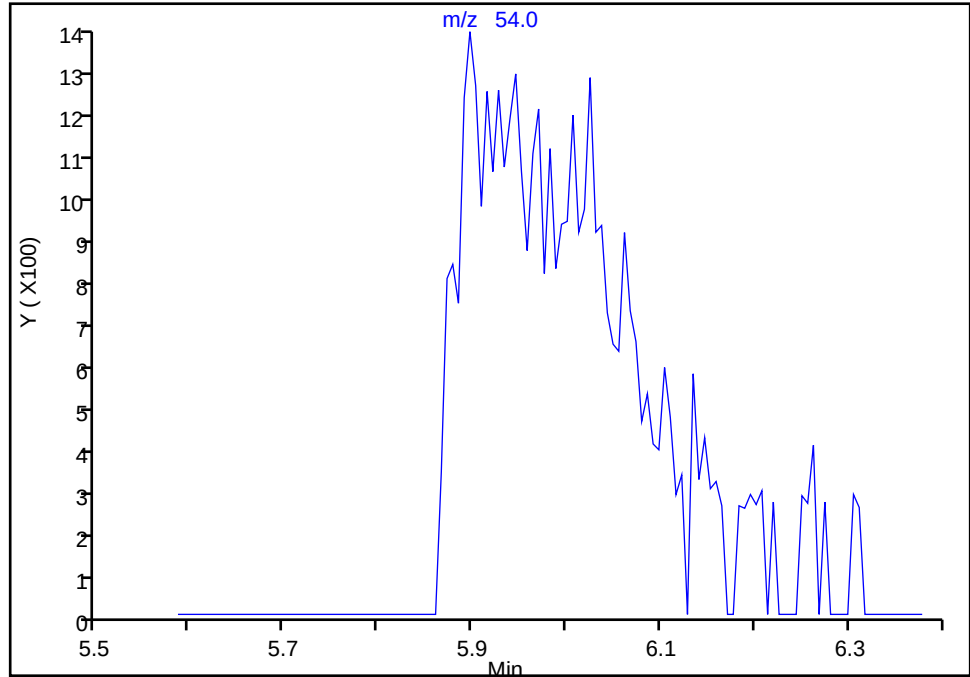
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Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930  
Lims ID: IC std2  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) MS Quad

**43 Propionitrile, CAS: 107-12-0**

Signal: 1

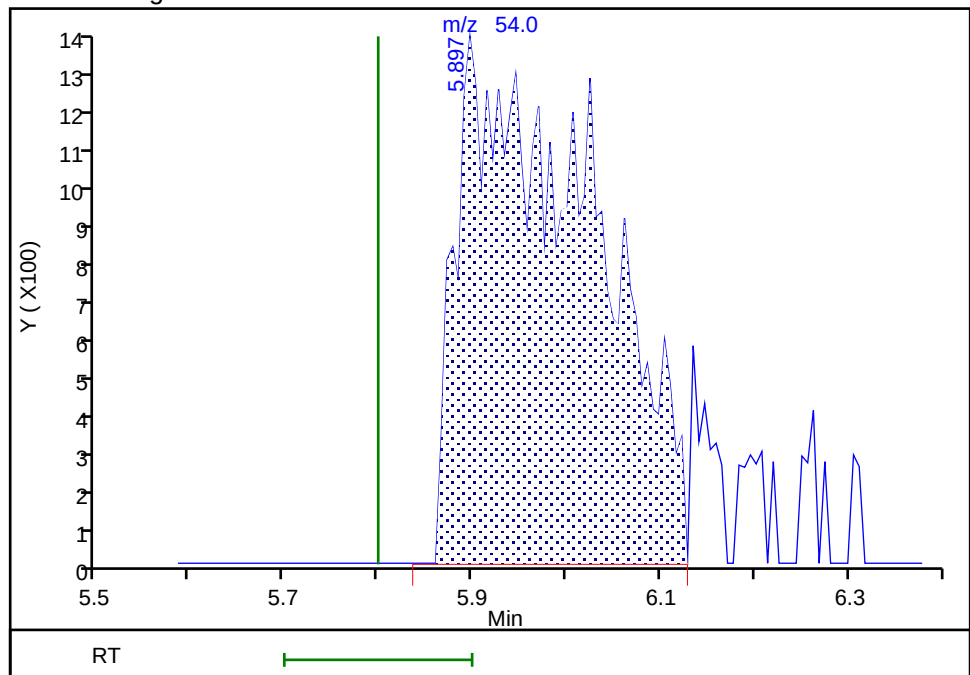
Not Detected  
Expected RT: 5.80

## Processing Integration Results



## Manual Integration Results

RT: 5.90  
Area: 13746  
Amount: 2.694202  
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2025 08:18:26 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

## Eurofins Lancaster Laboratories Environment Testing, LLC

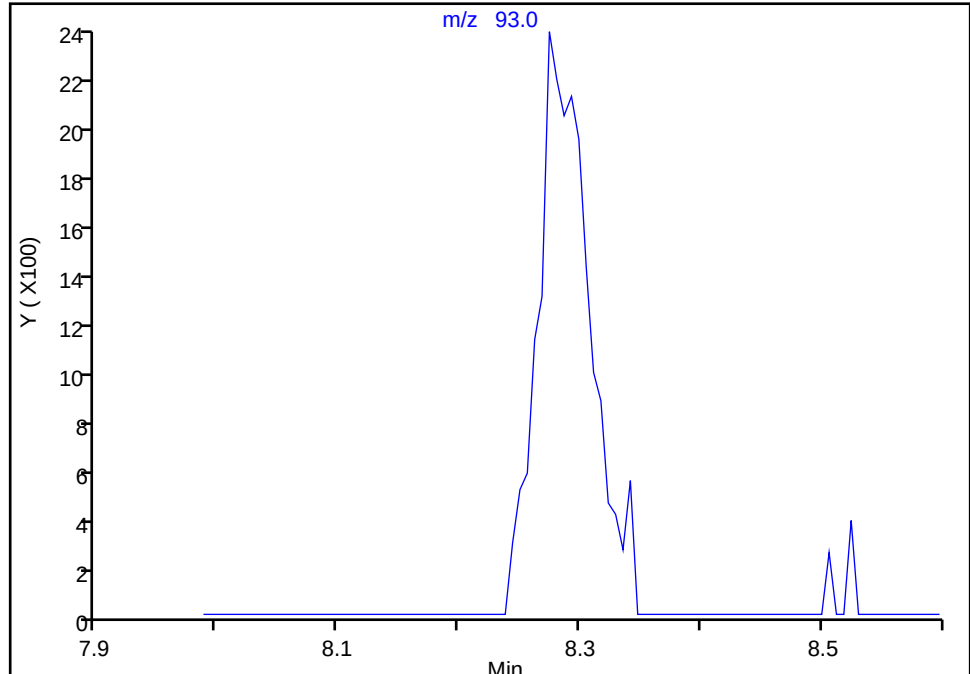
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D  
Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930  
Lims ID: IC std2  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) MS Quad

**69 Dibromomethane, CAS: 74-95-3**

Signal: 1

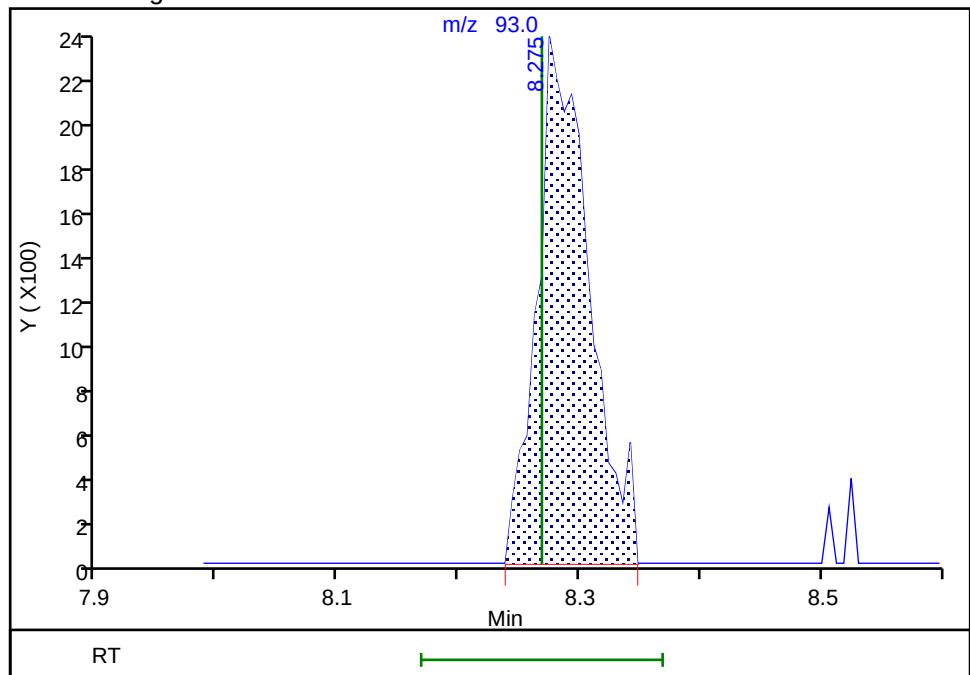
Not Detected  
Expected RT: 8.27

## Processing Integration Results



RT: 8.27  
Area: 7149  
Amount: 0.186436  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:16:56 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

## Eurofins Lancaster Laboratories Environment Testing, LLC

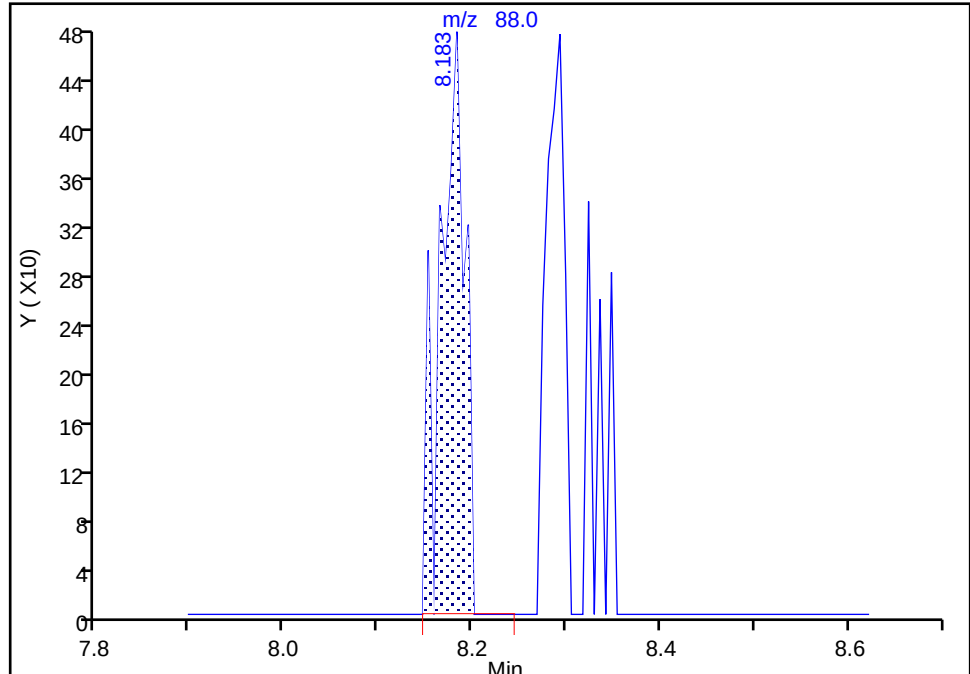
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Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930  
Lims ID: IC std2  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**68 1,4-Dioxane, CAS: 123-91-1**

Signal: 1

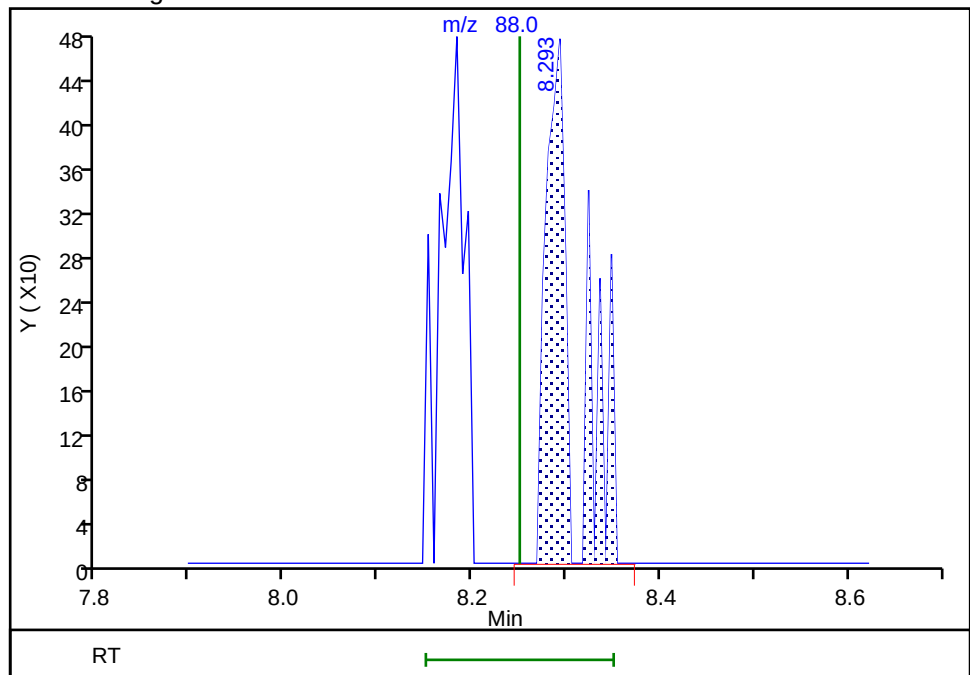
RT: 8.18  
Area: 856  
Amount: 9.752527  
Amount Units: ug/l

## Processing Integration Results



RT: 8.29  
Area: 976  
Amount: 3.241186  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:19:05 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

## Eurofins Lancaster Laboratories Environment Testing, LLC

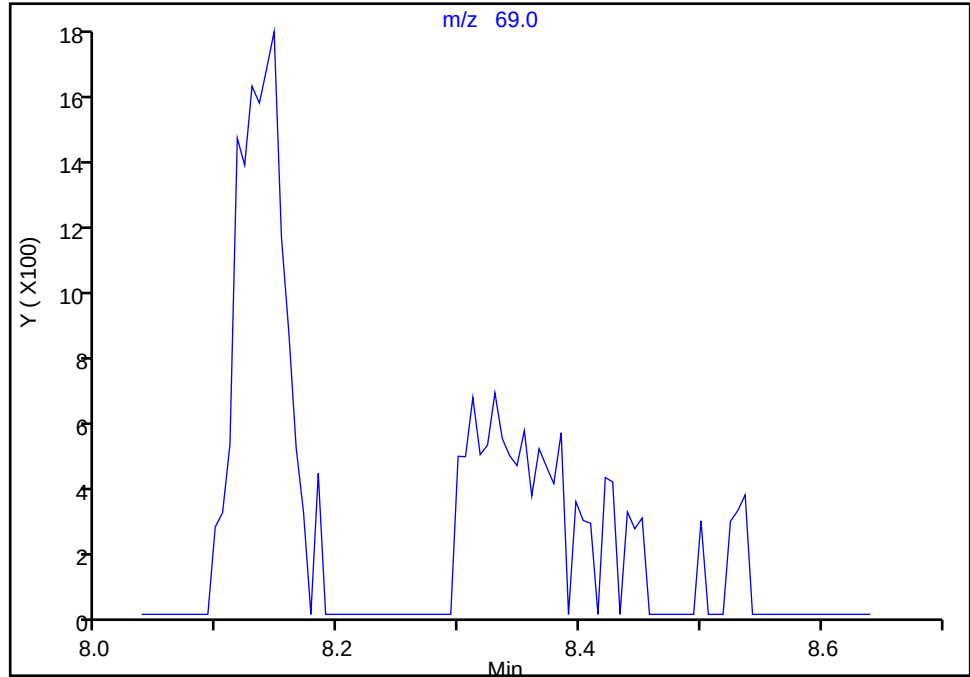
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Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930  
Lims ID: IC std2  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) MS Quad

**67 Methyl methacrylate, CAS: 80-62-6**

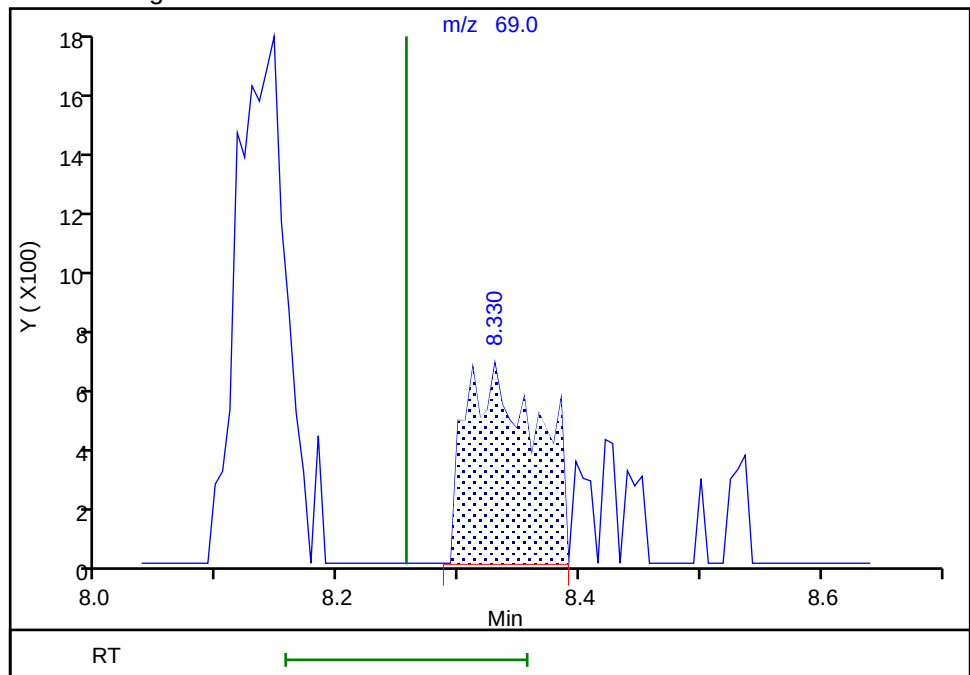
Signal: 1

Not Detected  
Expected RT: 8.26

## Processing Integration Results



## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:19:52 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

## Eurofins Lancaster Laboratories Environment Testing, LLC

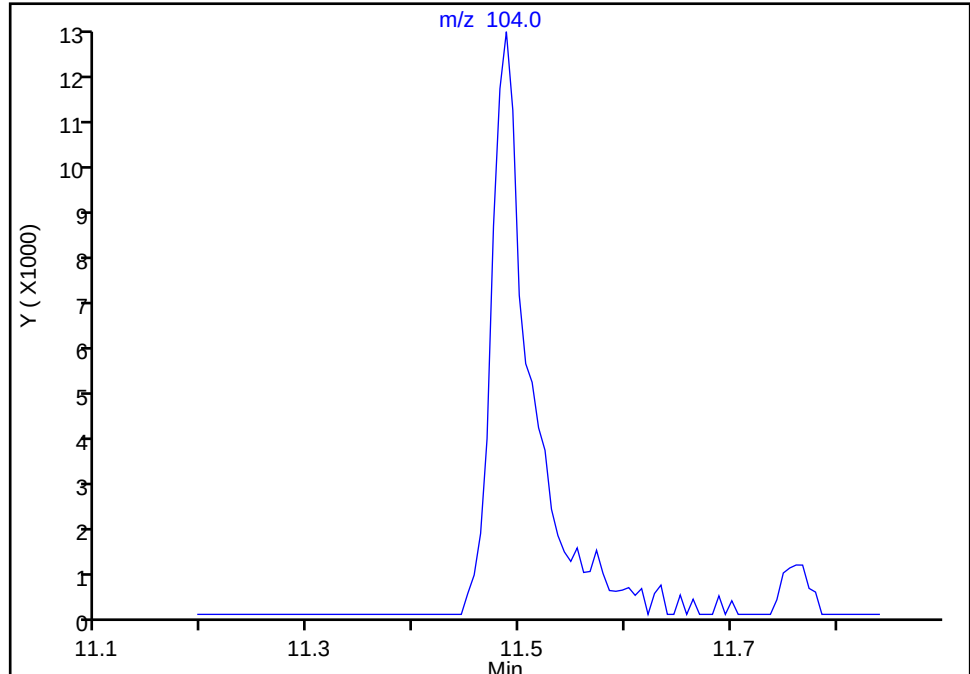
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D  
Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930  
Lims ID: IC std2  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**115 Styrene, CAS: 100-42-5**

Signal: 1

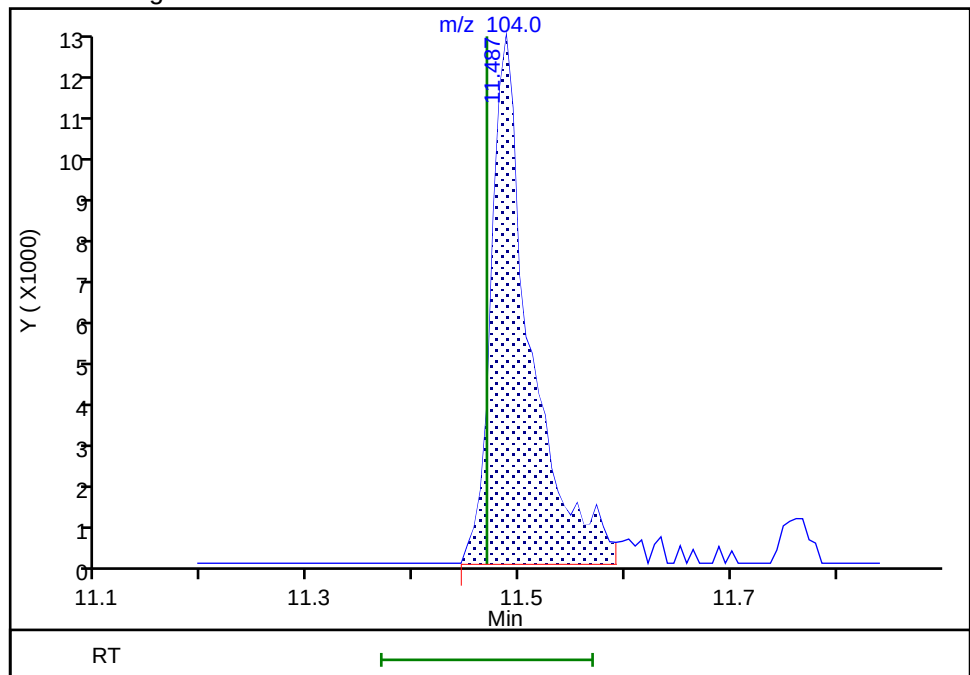
Not Detected  
Expected RT: 11.47

## Processing Integration Results



RT: 11.49  
Area: 32018  
Amount: 0.152571  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:17:12 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

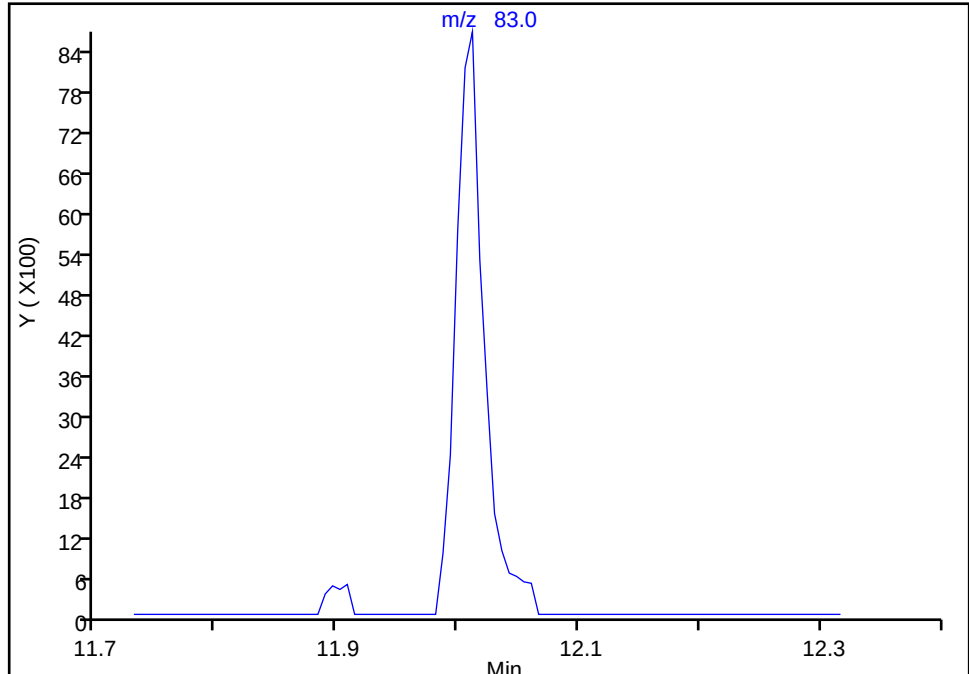
## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D  
Injection Date: 17-Mar-2025 19:25:30 Instrument ID: 19930  
Lims ID: IC std2  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 13 Worklist Smp#: 14  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

121 1,1,2,2-Tetrachloroethane, CAS: 79-34-5  
Signal: 1

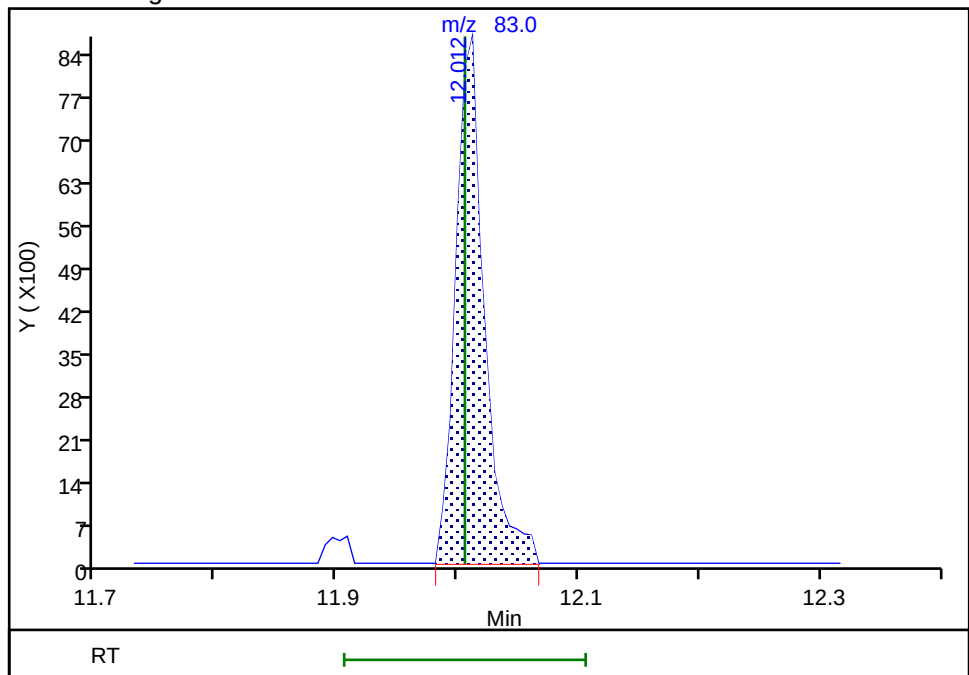
Not Detected  
Expected RT: 12.01

## Processing Integration Results



RT: 12.01  
Area: 14173  
Amount: 0.190096  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:17:21 -04:00:00 (UTC)

Audit Action: Assigned Compound ID

Audit Reason: Peak assignment corrected

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X13.D

Injection Date: 17-Mar-2025 19:25:30

Instrument ID: 19930

Lims ID: IC std2

Client ID:

Operator ID: knk41612

ALS Bottle#:

13

Worklist Smp#: 14

Purge Vol: 25.000 mL

Dil. Factor:

1.0000

Method: 8260 25ml HP31

Limit Group:

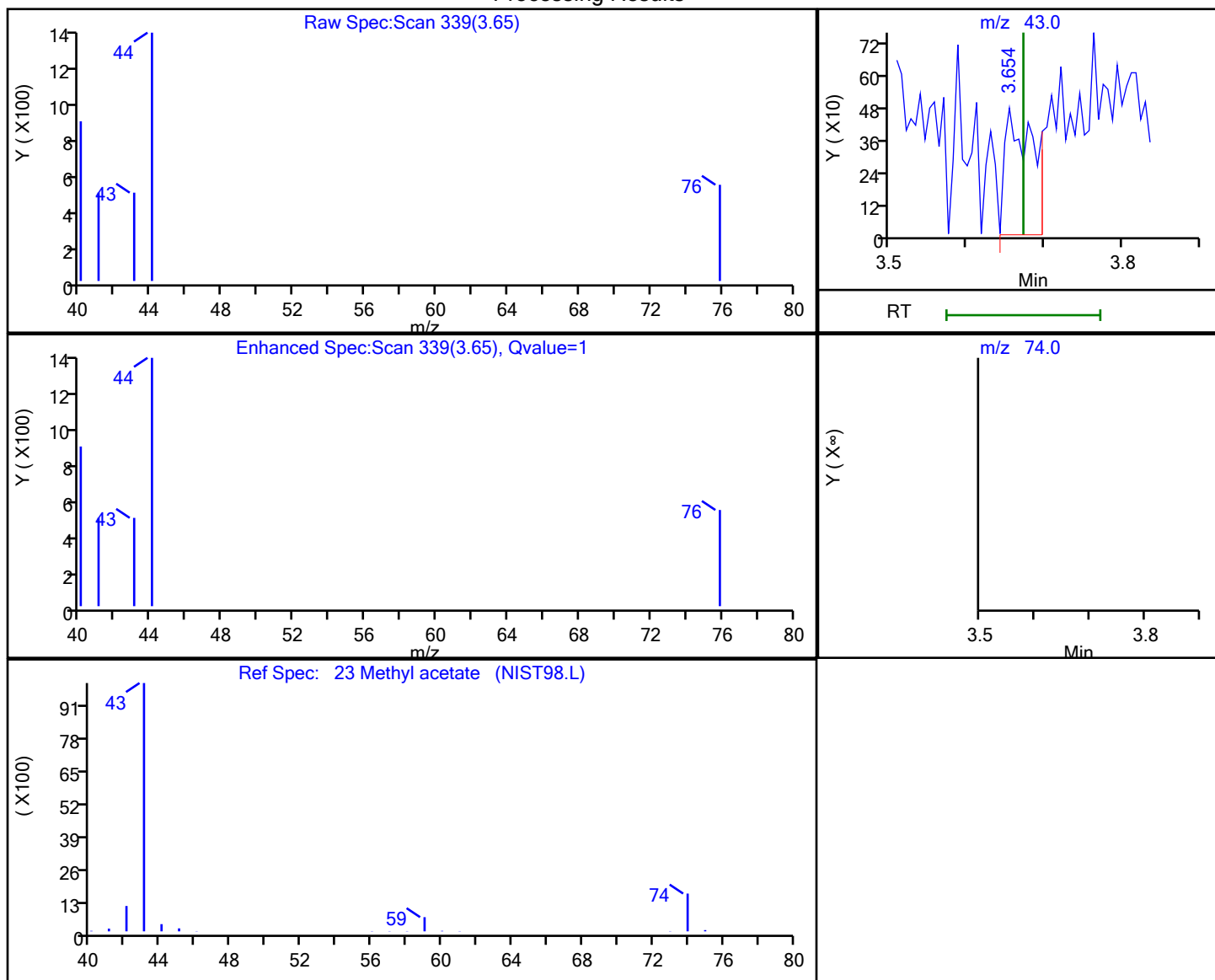
MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID)

MS Quad

## 23 Methyl acetate, CAS: 79-20-9

## Processing Results



| RT   | Mass  | Response | Amount   |
|------|-------|----------|----------|
| 3.65 | 43.00 | 1171     | 0.221613 |
| 3.65 | 74.00 | 0        |          |

Reviewer: K4WN, 18-Mar-2025 08:17:43 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X14.D  
 Lims ID: IC std3  
 Client ID:  
 Sample Type: IC Calib Level: 3  
 Inject. Date: 17-Mar-2025 19:46:30 ALS Bottle#: 14 Worklist Smp#: 15  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0141066-015  
 Misc. Info.: IC STD3  
 Operator ID: knk41612 Instrument ID: 19930  
 Sublist: chrom-8260 25ml HP31\*sub2  
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 19-Mar-2025 10:16:26 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:21:36

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.800     | 1.806         | -0.006        | 98  | 45193    | 0.5000       | 0.6101         |       |
| 4 Chloromethane                     | 50  | 1.977     | 1.989         | -0.012        | 98  | 54554    | 0.5000       | 0.5717         |       |
| 5 Vinyl chloride                    | 62  | 2.087     | 2.099         | -0.012        | 80  | 47192    | 0.5000       | 0.5882         |       |
| 6 Butadiene                         | 39  | 2.087     | 2.099         | -0.012        | 93  | 69955    | 0.5000       | 0.6223         |       |
| 7 Bromomethane                      | 94  | 2.398     | 2.404         | -0.006        | 89  | 36960    | 0.5000       | 0.5624         |       |
| 8 Chloroethane                      | 64  | 2.465     | 2.471         | -0.006        | 99  | 29095    | 0.5000       | 0.5684         |       |
| 9 Dichlorofluoromethane             | 67  | 2.690     | 2.696         | -0.006        | 97  | 84242    | 0.5000       | 0.5711         |       |
| 10 Trichlorofluoromethane           | 101 | 2.745     | 2.757         | -0.012        | 95  | 64126    | 0.5000       | 0.6340         |       |
| 11 Ethyl ether                      | 59  | 2.965     | 2.971         | -0.006        | 91  | 25177    | 0.5000       | 0.5280         |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.038     | 3.056         | -0.018        | 93  | 45040    | 0.5000       | 0.6298         |       |
| 14 Acrolein                         | 56  | 3.123     | 3.123         | 0.000         | 100 | 147133   | 24.4         | 22.1           |       |
| 15 1,1-Dichloroethene               | 96  | 3.251     | 3.257         | -0.006        | 97  | 29655    | 0.5000       | 0.5570         |       |
| 16 Acetone                          | 43  | 3.288     | 3.282         | 0.006         | 84  | 54763    | 5.00         | 5.55           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 | 3.288     | 3.294         | -0.006        | 89  | 34665    | 0.5000       | 0.5735         |       |
| 18 Iodomethane                      | 142 | 3.428     | 3.440         | -0.012        | 100 | 58869    | 0.5000       | 0.5338         |       |
| 19 Ethyl bromide                    | 108 | 3.452     | 3.458         | -0.006        | 95  | 28295    | 0.5008       | 0.5710         |       |
| 20 Carbon disulfide                 | 76  | 3.525     | 3.538         | -0.013        | 99  | 93380    | 0.5000       | 0.5437         |       |
| 23 Methyl acetate                   | 43  | 3.714     | 3.672         | 0.042         | 23  | 12327    | 0.5000       | 0.5127         | M     |
| 24 3-Chloro-1-propene               | 41  | 3.684     | 3.690         | -0.006        | 90  | 47120    | 0.5000       | 0.5426         |       |
| 25 Methylene Chloride               | 84  | 3.855     | 3.861         | -0.006        | 95  | 34263    | 0.5000       | 0.5477         |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.879     | 3.885         | -0.006        | 97  | 150234   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  | 3.995     | 3.989         | 0.006         | 95  | 38725    | 10.0         | 11.2           |       |
| 28 Acrylonitrile                    | 53  | 4.263     | 4.178         | 0.085         | 56  | 7715     | 1.25         | 0.6542         | Ma    |
| 29 Methyl tert-butyl ether          | 73  | 4.227     | 4.233         | -0.007        | 95  | 75593    | 0.5000       | 0.5064         |       |
| 30 trans-1,2-Dichloroethene         | 96  | 4.251     | 4.245         | 0.006         | 99  | 31615    | 0.5000       | 0.5351         |       |
| 31 Hexane                           | 57  | 4.659     | 4.672         | -0.013        | 94  | 43891    | 0.5000       | 0.5304         |       |
| 32 1,1-Dichloroethane               | 63  | 4.903     | 4.903         | 0.000         | 96  | 61924    | 0.5000       | 0.5454         |       |
| 35 Isopropyl ether                  | 45  | 4.964     | 4.964         | 0.000         | 94  | 92715    | 0.5000       | 0.5087         |       |
| 36 2-Chloro-1,3-butadiene           | 53  | 5.025     | 5.019         | 0.006         | 93  | 43041    | 0.5000       | 0.4870         |       |
| 37 Tert-butyl ethyl ether           | 59  | 5.501     | 5.513         | -0.012        | 96  | 86162    | 0.5000       | 0.5056         |       |



| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 38 2-Butanone (MEK)                | 43  | 5.757     | 5.720         | 0.037         | 84 | 68764    | 5.00         | 4.13           |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.744     | 5.745         | -0.001        | 82 | 36583    | 0.5000       | 0.5542         |       |
| 40 2,2-Dichloropropane             | 77  | 5.744     | 5.757         | -0.013        | 67 | 50926    | 0.5000       | 0.5453         |       |
| 43 Propionitrile                   | 54  | 5.854     | 5.799         | 0.055         | 97 | 40115    | 10.0         | 9.06           |       |
| 45 Methacrylonitrile               | 67  | 6.037     | 6.019         | 0.018         | 91 | 71945    | 5.00         | 4.23           |       |
| 46 Chlorobromomethane              | 128 | 6.080     | 6.080         | 0.000         | 93 | 16754    | 0.5000       | 0.5232         |       |
| 47 Tetrahydrofuran                 | 71  | 6.110     | 6.092         | 0.018         | 58 | 12044    | 2.50         | 2.41           |       |
| S 41 1,2-Dichloroethene, Total     | 100 |           |               |               | 0  |          |              | 1.09           |       |
| 48 Chloroform                      | 83  | 6.232     | 6.238         | -0.006        | 94 | 62515    | 0.5000       | 0.5401         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.446     | 6.452         | -0.006        | 93 | 465108   | 10.0         | 9.90           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.452     | 6.458         | -0.006        | 51 | 52561    | 0.5000       | 0.5304         |       |
| 51 Cyclohexane                     | 56  | 6.555     | 6.561         | -0.006        | 91 | 54641    | 0.5000       | 0.5346         |       |
| 54 Carbon tetrachloride            | 117 | 6.671     | 6.671         | 0.000         | 95 | 46454    | 0.5000       | 0.5348         |       |
| 53 1,1-Dichloropropene             | 75  | 6.677     | 6.677         | 0.000         | 94 | 45159    | 0.5000       | 0.5135         |       |
| 55 Isobutyl alcohol                | 41  | 6.860     | 6.836         | 0.024         | 89 | 31385    | 25.0         | 25.8           |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.903     | 6.903         | 0.000         | 66 | 95919    | 10.0         | 10.1           |       |
| 57 Benzene                         | 78  | 6.939     | 6.933         | 0.006         | 95 | 139414   | 0.5000       | 0.5305         |       |
| 58 1,2-Dichloroethane              | 62  | 7.013     | 7.013         | 0.000         | 96 | 40001    | 0.5000       | 0.5327         |       |
| 60 Tert-amyl methyl ether          | 73  | 7.128     | 7.135         | -0.007        | 97 | 77092    | 0.5000       | 0.4916         |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.342     | 7.348         | -0.006        | 99 | 1902526  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.360     | 7.366         | -0.006        | 80 | 42754    | 0.5000       | 0.5261         |       |
| 63 n-Butanol                       | 56  | 7.799     | 7.726         | 0.073         | 82 | 25611    | 43.8         | 52.2           |       |
| 64 Trichloroethene                 | 95  | 7.836     | 7.830         | 0.006         | 96 | 35274    | 0.5000       | 0.5069         |       |
| 65 Methylcyclohexane               | 83  | 8.128     | 8.134         | -0.006        | 90 | 58852    | 0.5000       | 0.5393         |       |
| 66 1,2-Dichloropropane             | 63  | 8.159     | 8.159         | 0.000         | 95 | 36245    | 0.5000       | 0.5230         |       |
| 68 1,4-Dioxane                     | 88  | 8.274     | 8.250         | 0.024         | 37 | 5158     | 25.0         | 19.7           |       |
| 67 Methyl methacrylate             | 69  | 8.287     | 8.256         | 0.031         | 55 | 10096    | 0.5000       | 0.3406         |       |
| 69 Dibromomethane                  | 93  | 8.281     | 8.268         | 0.013         | 96 | 17038    | 0.5000       | 0.4977         |       |
| 71 Dichlorobromomethane            | 83  | 8.506     | 8.506         | 0.000         | 98 | 43379    | 0.5000       | 0.5161         |       |
| 72 2-Nitropropane                  | 41  | 8.780     | 8.768         | 0.012         | 96 | 29884    | 2.50         | 2.69           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.909     | 8.896         | 0.012         | 98 | 37724    | 0.5000       | 0.5272         |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.079     | 9.067         | 0.012         | 95 | 45539    | 0.5000       | 0.4864         |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.256     | 9.250         | 0.006         | 98 | 207422   | 5.00         | 4.66           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.390         | 0.000         | 94 | 1879976  | 10.0         | 10.2           |       |
| 79 Toluene                         | 92  | 9.469     | 9.469         | 0.000         | 97 | 87565    | 0.5000       | 0.5378         |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.756     | 9.744         | 0.012         | 94 | 34672    | 0.5000       | 0.4495         |       |
| 99 Ethyl methacrylate              | 69  | 9.835     | 9.811         | 0.024         | 88 | 27087    | 0.5000       | 0.4257         |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.957     | 9.951         | 0.006         | 90 | 26704    | 0.5000       | 0.5496         |       |
| 101 Tetrachloroethene              | 166 | 10.042    | 10.042        | 0.000         | 96 | 41460    | 0.5000       | 0.5230         |       |
| S 98 1,3-Dichloropropene, Total    | 100 |           |               |               | 0  |          |              | 0.9360         |       |
| 102 1,3-Dichloropropane            | 76  | 10.122    | 10.116        | 0.006         | 91 | 42630    | 0.5000       | 0.5105         |       |
| 103 2-Hexanone                     | 43  | 10.189    | 10.171        | 0.018         | 98 | 149709   | 5.00         | 4.78           |       |
| 105 Chlorodibromomethane           | 129 | 10.341    | 10.335        | 0.006         | 90 | 30764    | 0.5000       | 0.5130         |       |
| 106 Ethylene Dibromide             | 107 | 10.457    | 10.451        | 0.006         | 98 | 23309    | 0.5000       | 0.5078         |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.890    | 10.890        | 0.000         | 86 | 1402824  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.908    | 10.902        | 0.006         | 95 | 44545    | 0.5000       | 0.5001         |       |
| 109 Chlorobenzene                  | 112 | 10.920    | 10.914        | 0.006         | 97 | 100892   | 0.5000       | 0.5272         |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.000    | 11.000        | 0.000         | 94 | 34776    | 0.5000       | 0.5270         |       |
| 112 Ethylbenzene                   | 91  | 11.006    | 11.006        | 0.000         | 99 | 164719   | 0.5000       | 0.5182         |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.128    | 11.122        | 0.006         | 93 | 124602   | 1.00         | 1.01           |       |
| S 110 Xylenes, Total               | 106 |           |               |               | 0  |          |              | 1.51           |       |
| 114 o-Xylene                       | 106 | 11.457    | 11.457        | 0.000         | 96 | 59322    | 0.5000       | 0.5006         |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 115 Styrene                        | 104 | 11.481    | 11.469        | 0.012         | 95 | 86930    | 0.5000       | 0.4700         |       |
| 116 Bromoform                      | 173 | 11.627    | 11.628        | -0.001        | 95 | 18059    | 0.5000       | 0.5120         |       |
| 117 Isopropylbenzene               | 105 | 11.762    | 11.756        | 0.006         | 96 | 137476   | 0.5000       | 0.5021         |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.902    | 11.902        | 0.000         | 91 | 670865   | 10.0         | 9.91           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.005    | 12.006        | -0.001        | 93 | 34698    | 0.5000       | 0.5283         |       |
| 122 Bromobenzene                   | 156 | 12.018    | 12.018        | 0.000         | 92 | 41420    | 0.5000       | 0.5285         |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.036    | 12.030        | 0.006         | 96 | 68128    | 5.00         | 4.44           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.054    | 12.048        | 0.006         | 79 | 9256     | 0.5000       | 0.5218         |       |
| 125 N-Propylbenzene                | 91  | 12.091    | 12.091        | 0.000         | 99 | 187312   | 0.5000       | 0.5079         |       |
| 126 2-Chlorotoluene                | 126 | 12.164    | 12.164        | 0.000         | 97 | 41186    | 0.5000       | 0.5244         |       |
| 127 1,3,5-Trimethylbenzene         | 105 | 12.225    | 12.225        | 0.000         | 94 | 132885   | 0.5000       | 0.5072         |       |
| 128 4-Chlorotoluene                | 126 | 12.262    | 12.255        | 0.007         | 98 | 40959    | 0.5000       | 0.5089         |       |
| 129 tert-Butylbenzene              | 134 | 12.469    | 12.469        | 0.000         | 93 | 30845    | 0.5000       | 0.5028         |       |
| 130 Pentachloroethane              | 167 | 12.499    | 12.499        | 0.000         | 79 | 24606    | 0.5000       | 0.5169         |       |
| 131 1,2,4-Trimethylbenzene         | 105 | 12.511    | 12.512        | -0.001        | 96 | 128458   | 0.5000       | 0.4860         |       |
| 132 sec-Butylbenzene               | 105 | 12.633    | 12.633        | 0.000         | 94 | 174448   | 0.5000       | 0.5113         |       |
| 133 1,3-Dichlorobenzene            | 146 | 12.731    | 12.725        | 0.006         | 98 | 76143    | 0.5000       | 0.5072         |       |
| 134 4-Isopropyltoluene             | 119 | 12.743    | 12.737        | 0.006         | 97 | 139995   | 0.5000       | 0.4869         |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.786    | 12.786        | 0.000         | 95 | 802552   | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 | 12.804    | 12.804        | 0.000         | 96 | 85736    | 0.5000       | 0.5304         |       |
| 137 1,2,3-Trimethylbenzene         | 120 | 12.810    | 12.810        | 0.000         | 97 | 64674    | 0.5000       | 0.5159         |       |
| 138 Benzyl chloride                | 126 | 12.889    | 12.877        | 0.012         | 99 | 10238    | 0.5000       | 0.4415         |       |
| 139 n-Butylbenzene                 | 92  | 13.036    | 13.030        | 0.006         | 97 | 67225    | 0.5000       | 0.4590         |       |
| 140 1,2-Dichlorobenzene            | 146 | 13.060    | 13.060        | 0.000         | 99 | 74215    | 0.5000       | 0.5112         |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 | 13.603    | 13.603        | 0.000         | 82 | 4245     | 0.5000       | 0.4807         |       |
| 143 1,3,5-Trichlorobenzene         | 180 | 13.731    | 13.725        | 0.006         | 98 | 55837    | 0.5000       | 0.5108         |       |
| 144 1,2,4-Trichlorobenzene         | 180 | 14.151    | 14.145        | 0.006         | 93 | 42887    | 0.5000       | 0.4801         |       |
| 145 Hexachlorobutadiene            | 225 | 14.231    | 14.231        | 0.000         | 96 | 22773    | 0.5000       | 0.5300         |       |
| 146 Naphthalene                    | 128 | 14.334    | 14.322        | 0.012         | 97 | 80675    | 0.5000       | 0.4631         |       |
| 147 1,2,3-Trichlorobenzene         | 180 | 14.468    | 14.468        | 0.000         | 93 | 37636    | 0.5000       | 0.4627         |       |
| 156 p-Diethylbenzene               | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol              | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane       | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                        | 43  |           | 0.000         |               |    |          | ND           | ND             |       |

### QC Flag Legend

#### Processing Flags

ND - Not Detected or Marked ND

#### Review Flags

M - Manually Integrated

a - User Assigned ID

### Reagents:

|                     |                    |           |             |
|---------------------|--------------------|-----------|-------------|
| MSV_LL_#1_826_00162 | Amount Added: 2.00 | Units: uL |             |
| MSV_LL_#2_826_00172 | Amount Added: 2.00 | Units: uL |             |
| MSV_LL_GAS826_00262 | Amount Added: 2.00 | Units: uL |             |
| MSV_LLcentISS_00016 | Amount Added: 5.00 | Units: uL | Run Reagent |

Report Date: 19-Mar-2025 10:16:26

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X14.D

Injection Date: 17-Mar-2025 19:46:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std3

Worklist Smp#: 15

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

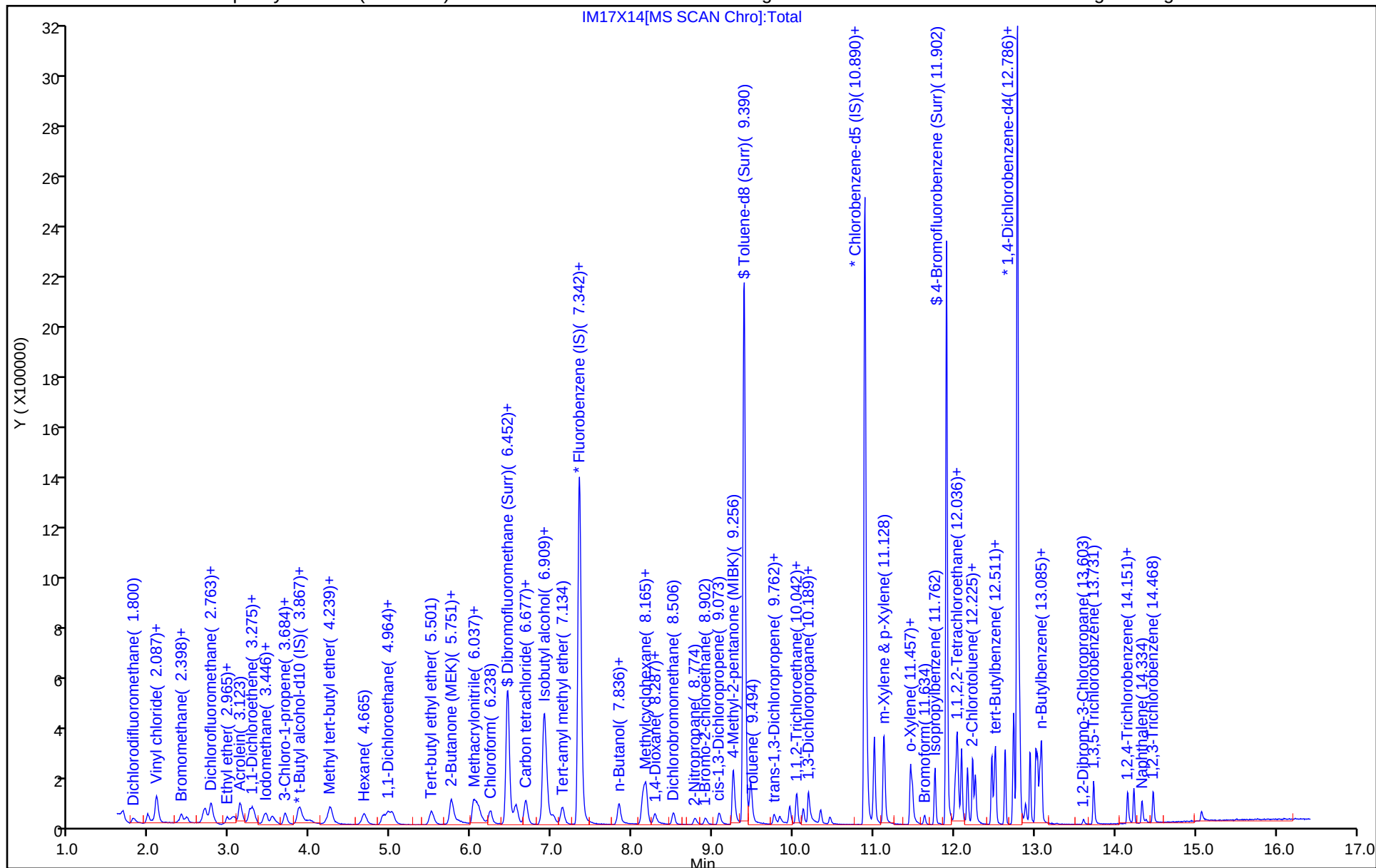
ALS Bottle#: 14

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## Eurofins Lancaster Laboratories Environment Testing, LLC

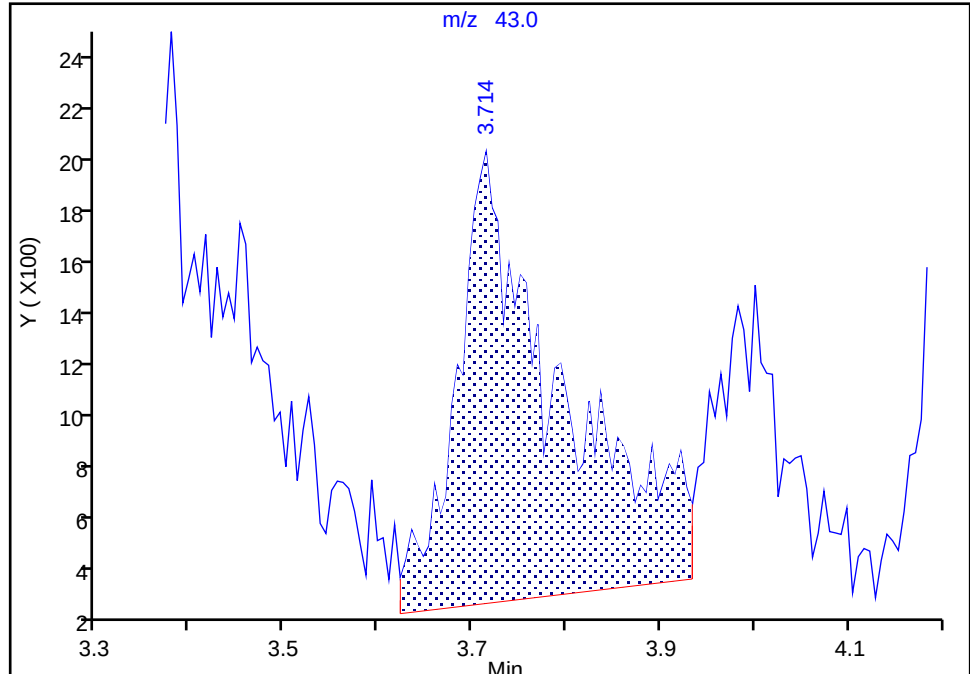
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X14.D  
Injection Date: 17-Mar-2025 19:46:30 Instrument ID: 19930  
Lims ID: IC std3  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**23 Methyl acetate, CAS: 79-20-9**

Signal: 1

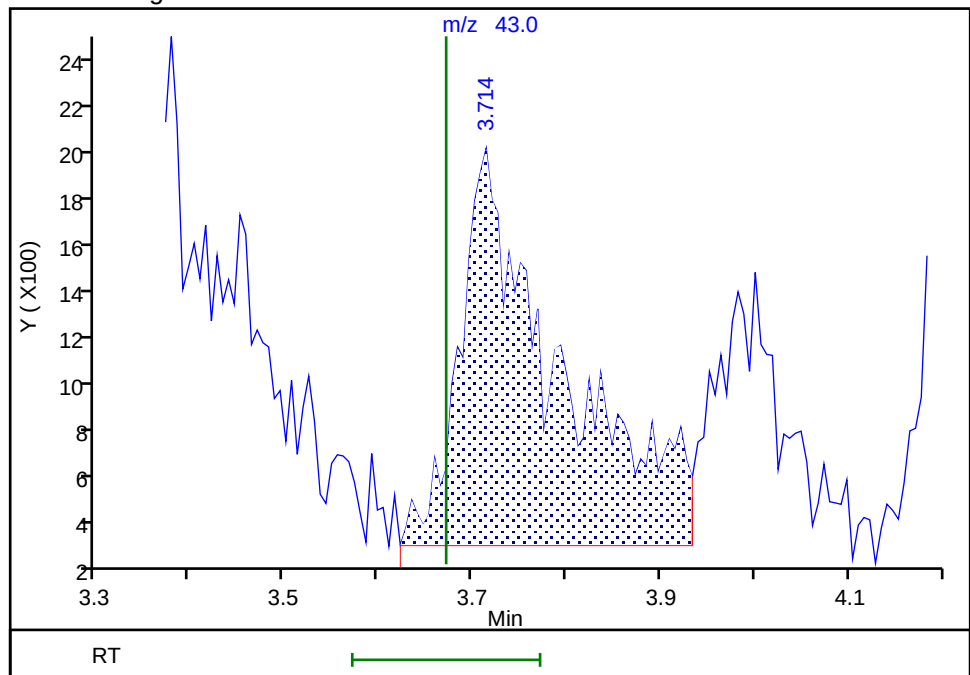
RT: 3.71  
Area: 13535  
Amount: 0.450855  
Amount Units: ug/l

## Processing Integration Results



RT: 3.71  
Area: 12327  
Amount: 0.512660  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:20:55 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

## Eurofins Lancaster Laboratories Environment Testing, LLC

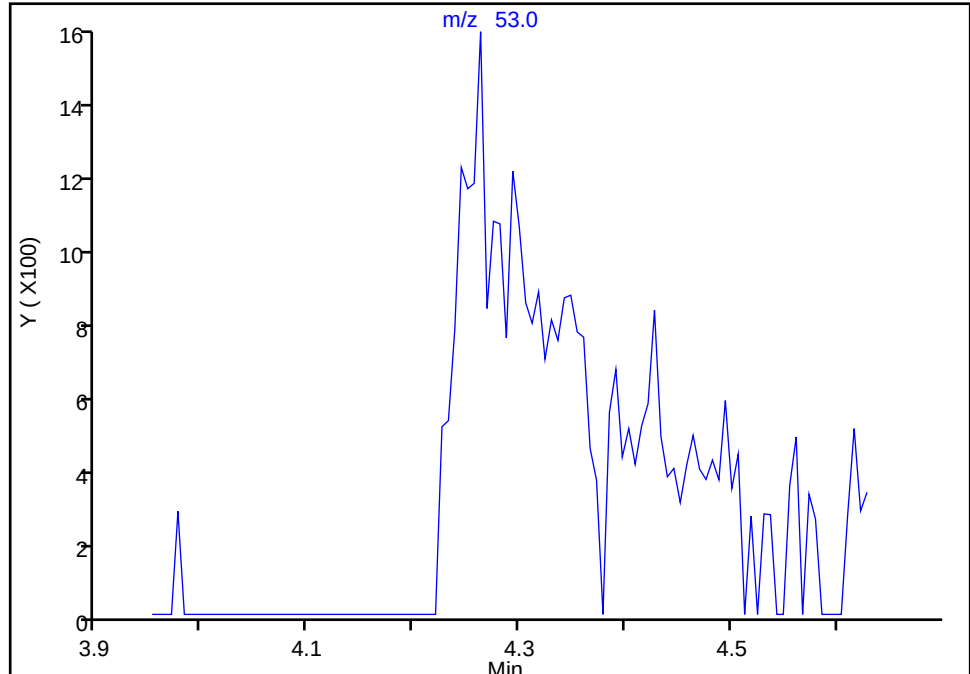
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X14.D  
Injection Date: 17-Mar-2025 19:46:30 Instrument ID: 19930  
Lims ID: IC std3  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 14 Worklist Smp#: 15  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) MS Quad

**28 Acrylonitrile, CAS: 107-13-1**

Signal: 1

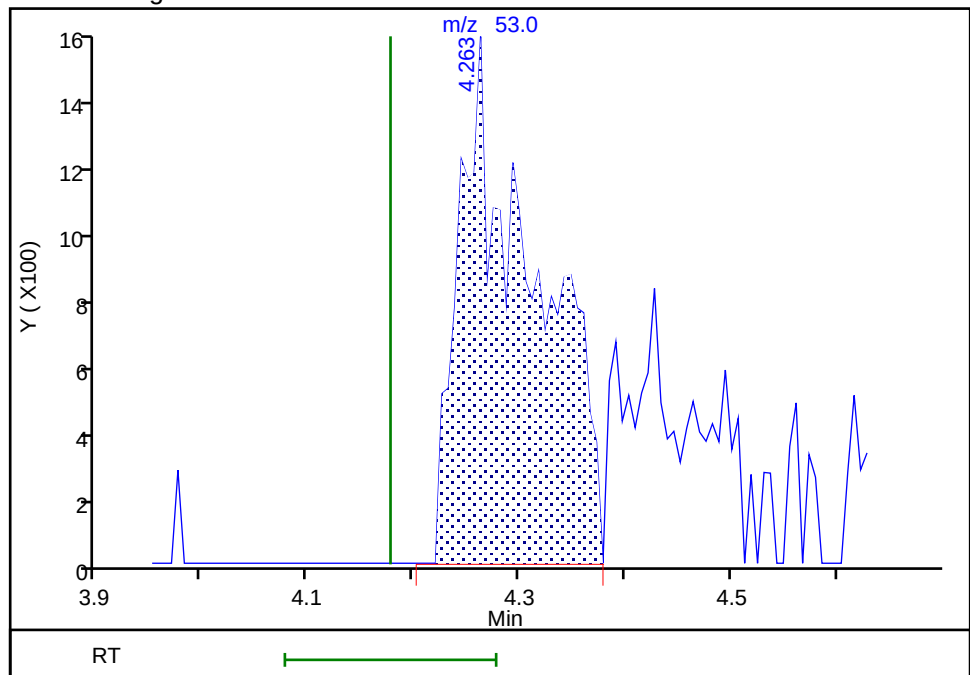
Not Detected  
Expected RT: 4.18

## Processing Integration Results



## Manual Integration Results

RT: 4.26  
Area: 7715  
Amount: 0.654160  
Amount Units: ug/l



Reviewer: K4WN, 18-Mar-2025 08:21:10 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X15.D  
 Lims ID: IC std4  
 Client ID:  
 Sample Type: IC Calib Level: 4  
 Inject. Date: 17-Mar-2025 20:07:30 ALS Bottle#: 15 Worklist Smp#: 16  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0141066-016  
 Misc. Info.: IC STD4  
 Operator ID: knk41612 Instrument ID: 19930  
 Sublist: chrom-8260 25ml HP31\*sub2  
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 19-Mar-2025 10:16:38 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:22:31

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.800     | 1.806         | -0.006        | 99 | 85602    | 1.00         | 0.99           |       |
| 4 Chloromethane                     | 50  | 1.983     | 1.989         | -0.006        | 99 | 104363   | 1.00         | 0.9388         |       |
| 5 Vinyl chloride                    | 62  | 2.093     | 2.099         | -0.006        | 84 | 92427    | 1.00         | 0.9889         |       |
| 6 Butadiene                         | 39  | 2.093     | 2.099         | -0.006        | 90 | 128424   | 1.00         | 0.9807         |       |
| 7 Bromomethane                      | 94  | 2.404     | 2.404         | 0.000         | 90 | 70258    | 1.00         | 0.9177         |       |
| 8 Chloroethane                      | 64  | 2.465     | 2.471         | -0.006        | 99 | 54688    | 1.00         | 0.9171         |       |
| 9 Dichlorofluoromethane             | 67  | 2.696     | 2.696         | 0.000         | 97 | 157092   | 1.00         | 0.9141         |       |
| 10 Trichlorofluoromethane           | 101 | 2.751     | 2.757         | -0.006        | 96 | 121776   | 1.00         | 1.03           |       |
| 11 Ethyl ether                      | 59  | 2.971     | 2.971         | 0.000         | 92 | 54424    | 1.00         | 0.9796         |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.050     | 3.056         | -0.006        | 92 | 85296    | 1.00         | 1.02           |       |
| 14 Acrolein                         | 56  | 3.129     | 3.123         | 0.006         | 99 | 345870   | 48.8         | 44.2           |       |
| 15 1,1-Dichloroethene               | 96  | 3.257     | 3.257         | 0.000         | 96 | 60523    | 1.00         | 0.9758         |       |
| 16 Acetone                          | 43  | 3.288     | 3.282         | 0.006         | 99 | 117725   | 10.0         | 10.1           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 | 3.288     | 3.294         | -0.006        | 94 | 71875    | 1.00         | 1.02           |       |
| 18 Iodomethane                      | 142 | 3.428     | 3.440         | -0.012        | 98 | 128483   | 1.00         | 1.00           |       |
| 19 Ethyl bromide                    | 108 | 3.458     | 3.458         | 0.000         | 99 | 55578    | 1.00         | 0.9627         |       |
| 20 Carbon disulfide                 | 76  | 3.538     | 3.538         | 0.000         | 99 | 200281   | 1.00         | 1.00           |       |
| 23 Methyl acetate                   | 43  | 3.690     | 3.672         | 0.018         | 27 | 22598    | 1.00         | 0.7991         | M     |
| 24 3-Chloro-1-propene               | 41  | 3.690     | 3.690         | 0.000         | 89 | 98594    | 1.00         | 0.9746         |       |
| 25 Methylene Chloride               | 84  | 3.861     | 3.861         | 0.000         | 95 | 72244    | 1.00         | 0.99           |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.885     | 3.885         | 0.000         | 99 | 176683   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  | 3.995     | 3.989         | 0.006         | 97 | 83231    | 20.0         | 20.4           |       |
| 28 Acrylonitrile                    | 53  | 4.239     | 4.178         | 0.061         | 29 | 28170    | 2.50         | 2.03           |       |
| 29 Methyl tert-butyl ether          | 73  | 4.239     | 4.233         | 0.006         | 93 | 167165   | 1.00         | 0.9612         |       |
| 30 trans-1,2-Dichloroethene         | 96  | 4.251     | 4.245         | 0.006         | 98 | 69342    | 1.00         | 1.01           |       |
| 31 Hexane                           | 57  | 4.672     | 4.672         | 0.000         | 94 | 94190    | 1.00         | 0.9771         |       |
| 32 1,1-Dichloroethane               | 63  | 4.897     | 4.903         | -0.006        | 96 | 133737   | 1.00         | 1.01           |       |
| 35 Isopropyl ether                  | 45  | 4.970     | 4.964         | 0.006         | 92 | 207198   | 1.00         | 0.9758         |       |
| 36 2-Chloro-1,3-butadiene           | 53  | 5.019     | 5.019         | 0.000         | 93 | 100661   | 1.00         | 0.9777         |       |
| 37 Tert-butyl ethyl ether           | 59  | 5.501     | 5.513         | -0.012        | 96 | 190295   | 1.00         | 0.9586         |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 38 2-Butanone (MEK)                | 43  | 5.745     | 5.720         | 0.024         | 95 | 170489   | 10.0         | 8.72           |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.745     | 5.745         | -0.001        | 82 | 80659    | 1.00         | 1.05           |       |
| 40 2,2-Dichloropropane             | 77  | 5.757     | 5.757         | 0.000         | 69 | 107021   | 1.00         | 0.9837         |       |
| 43 Propionitrile                   | 54  | 5.824     | 5.799         | 0.025         | 97 | 100593   | 20.0         | 19.3           |       |
| 45 Methacrylonitrile               | 67  | 6.025     | 6.019         | 0.006         | 91 | 196895   | 10.0         | 9.85           |       |
| 46 Chlorobromomethane              | 128 | 6.080     | 6.080         | 0.000         | 92 | 36486    | 1.00         | 0.9780         |       |
| 47 Tetrahydrofuran                 | 71  | 6.098     | 6.092         | 0.006         | 96 | 28742    | 5.00         | 4.90           |       |
| S 41 1,2-Dichloroethene, Total     | 100 |           |               |               | 0  |          |              | 2.06           |       |
| 48 Chloroform                      | 83  | 6.238     | 6.238         | 0.000         | 94 | 133234   | 1.00         | 0.9881         |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.452     | 6.452         | 0.000         | 93 | 545249   | 10.0         | 9.96           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.452     | 6.458         | -0.006        | 46 | 116253   | 1.00         | 1.01           |       |
| 51 Cyclohexane                     | 56  | 6.549     | 6.561         | -0.012        | 91 | 118901   | 1.00         | 1.00           |       |
| 54 Carbon tetrachloride            | 117 | 6.671     | 6.671         | 0.000         | 96 | 101125   | 1.00         | 1.00           |       |
| 53 1,1-Dichloropropene             | 75  | 6.677     | 6.677         | 0.000         | 97 | 102486   | 1.00         | 1.00           |       |
| 55 Isobutyl alcohol                | 41  | 6.848     | 6.836         | 0.012         | 91 | 66429    | 50.0         | 46.4           |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.909     | 6.903         | 0.006         | 70 | 113831   | 10.0         | 10.3           |       |
| 57 Benzene                         | 78  | 6.939     | 6.933         | 0.006         | 94 | 304188   | 1.00         | 0.99           |       |
| 58 1,2-Dichloroethane              | 62  | 7.013     | 7.013         | 0.000         | 97 | 84708    | 1.00         | 0.9683         |       |
| 60 Tert-amyl methyl ether          | 73  | 7.134     | 7.135         | -0.001        | 98 | 177707   | 1.00         | 0.9728         |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.342     | 7.348         | -0.006        | 99 | 2216451  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.366     | 7.366         | 0.000         | 91 | 93618    | 1.00         | 0.9889         |       |
| 63 n-Butanol                       | 56  | 7.768     | 7.726         | 0.042         | 92 | 74464    | 87.5         | 85.5           |       |
| 64 Trichloroethene                 | 95  | 7.836     | 7.830         | 0.006         | 98 | 79437    | 1.00         | 0.9798         |       |
| 65 Methylcyclohexane               | 83  | 8.134     | 8.134         | 0.000         | 91 | 125025   | 1.00         | 0.9835         |       |
| 66 1,2-Dichloropropane             | 63  | 8.153     | 8.159         | -0.006        | 92 | 79409    | 1.00         | 0.9835         |       |
| 68 1,4-Dioxane                     | 88  | 8.268     | 8.250         | 0.018         | 35 | 15876    | 50.0         | 51.7           |       |
| 67 Methyl methacrylate             | 69  | 8.268     | 8.256         | 0.012         | 74 | 29746    | 1.00         | 0.8534         |       |
| 69 Dibromomethane                  | 93  | 8.274     | 8.268         | 0.006         | 94 | 39592    | 1.00         | 0.99           |       |
| 71 Dichlorobromomethane            | 83  | 8.512     | 8.506         | 0.006         | 98 | 97238    | 1.00         | 0.99           |       |
| 72 2-Nitropropane                  | 41  | 8.774     | 8.768         | 0.006         | 98 | 58906    | 5.00         | 4.51           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.909     | 8.896         | 0.013         | 98 | 80689    | 1.00         | 0.9679         |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.073     | 9.067         | 0.006         | 95 | 102535   | 1.00         | 0.9401         |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.250     | 9.250         | 0.000         | 97 | 490507   | 10.0         | 9.37           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.390         | 0.000         | 94 | 2205075  | 10.0         | 10.2           |       |
| 79 Toluene                         | 92  | 9.469     | 9.469         | 0.000         | 98 | 190100   | 1.00         | 1.00           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.750     | 9.744         | 0.006         | 94 | 88153    | 1.00         | 0.9743         |       |
| 99 Ethyl methacrylate              | 69  | 9.823     | 9.811         | 0.012         | 89 | 59170    | 1.00         | 0.7927         |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.957     | 9.951         | 0.006         | 91 | 56373    | 1.00         | 0.9889         |       |
| 101 Tetrachloroethene              | 166 | 10.042    | 10.042        | 0.000         | 97 | 91012    | 1.00         | 0.9786         |       |
| S 98 1,3-Dichloropropene, Total    | 100 |           |               |               | 0  |          |              | 1.91           |       |
| 102 1,3-Dichloropropane            | 76  | 10.122    | 10.116        | 0.006         | 91 | 96138    | 1.00         | 0.9813         |       |
| 103 2-Hexanone                     | 43  | 10.183    | 10.171        | 0.012         | 97 | 337967   | 10.0         | 9.18           |       |
| 105 Chlorodibromomethane           | 129 | 10.341    | 10.335        | 0.006         | 90 | 68655    | 1.00         | 0.9758         |       |
| 106 Ethylene Dibromide             | 107 | 10.451    | 10.451        | 0.000         | 98 | 53380    | 1.00         | 0.99           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.890    | 10.890        | 0.000         | 86 | 1645732  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.908    | 10.902        | 0.006         | 97 | 103657   | 1.00         | 0.99           |       |
| 109 Chlorobenzene                  | 112 | 10.914    | 10.914        | 0.000         | 96 | 225701   | 1.00         | 1.01           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.000    | 11.000        | 0.000         | 95 | 77484    | 1.00         | 1.00           |       |
| 112 Ethylbenzene                   | 91  | 11.006    | 11.006        | 0.000         | 99 | 367278   | 1.00         | 0.9849         |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.128    | 11.122        | 0.006         | 94 | 287289   | 2.00         | 1.98           |       |
| S 110 Xylenes, Total               | 106 |           |               |               | 0  |          |              | 2.95           |       |
| 114 o-Xylene                       | 106 | 11.457    | 11.457        | 0.000         | 96 | 134672   | 1.00         | 0.9688         |       |



| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 115 Styrene                        | 104 | 11.475    | 11.469        | 0.006         | 96 | 213631   | 1.00         | 0.9846         |       |
| 116 Bromoform                      | 173 | 11.628    | 11.628        | 0.000         | 95 | 39206    | 1.00         | 0.9475         |       |
| 117 Isopropylbenzene               | 105 | 11.762    | 11.756        | 0.006         | 96 | 315315   | 1.00         | 0.9817         |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.902    | 11.902        | 0.000         | 90 | 796545   | 10.0         | 10.0           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.005    | 12.006        | -0.001        | 94 | 75867    | 1.00         | 0.9810         |       |
| 122 Bromobenzene                   | 156 | 12.018    | 12.018        | 0.000         | 95 | 89625    | 1.00         | 0.9711         |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.030    | 12.030        | 0.000         | 95 | 163920   | 10.0         | 9.09           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.048    | 12.048        | 0.000         | 79 | 20688    | 1.00         | 0.99           |       |
| 125 N-Propylbenzene                | 91  | 12.091    | 12.091        | 0.000         | 99 | 435602   | 1.00         | 1.00           |       |
| 126 2-Chlorotoluene                | 126 | 12.164    | 12.164        | 0.000         | 97 | 91783    | 1.00         | 0.99           |       |
| 127 1,3,5-Trimethylbenzene         | 105 | 12.225    | 12.225        | 0.000         | 94 | 302119   | 1.00         | 0.9792         |       |
| 128 4-Chlorotoluene                | 126 | 12.262    | 12.255        | 0.007         | 97 | 95585    | 1.00         | 1.01           |       |
| 129 tert-Butylbenzene              | 134 | 12.469    | 12.469        | 0.000         | 93 | 71346    | 1.00         | 0.9877         |       |
| 130 Pentachloroethane              | 167 | 12.499    | 12.499        | 0.000         | 77 | 53278    | 1.00         | 0.9504         |       |
| 131 1,2,4-Trimethylbenzene         | 105 | 12.511    | 12.512        | -0.001        | 98 | 304664   | 1.00         | 0.9787         |       |
| 132 sec-Butylbenzene               | 105 | 12.633    | 12.633        | 0.000         | 94 | 401402   | 1.00         | 1.00           |       |
| 133 1,3-Dichlorobenzene            | 146 | 12.731    | 12.725        | 0.006         | 98 | 174510   | 1.00         | 0.9870         |       |
| 134 4-Isopropyltoluene             | 119 | 12.743    | 12.737        | 0.006         | 97 | 332380   | 1.00         | 0.9816         |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.786    | 12.786        | 0.000         | 95 | 945106   | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 | 12.804    | 12.804        | 0.000         | 95 | 192037   | 1.00         | 1.01           |       |
| 137 1,2,3-Trimethylbenzene         | 120 | 12.810    | 12.810        | 0.000         | 98 | 147743   | 1.00         | 1.00           |       |
| 138 Benzyl chloride                | 126 | 12.883    | 12.877        | 0.006         | 99 | 26909    | 1.00         | 0.9854         |       |
| 139 n-Butylbenzene                 | 92  | 13.030    | 13.030        | 0.000         | 97 | 166247   | 1.00         | 0.9639         |       |
| 140 1,2-Dichlorobenzene            | 146 | 13.060    | 13.060        | 0.000         | 98 | 171667   | 1.00         | 1.00           |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 | 13.609    | 13.603        | 0.006         | 85 | 9851     | 1.00         | 0.9473         |       |
| 143 1,3,5-Trichlorobenzene         | 180 | 13.731    | 13.725        | 0.006         | 97 | 125970   | 1.00         | 0.9785         |       |
| 144 1,2,4-Trichlorobenzene         | 180 | 14.151    | 14.145        | 0.006         | 94 | 99596    | 1.00         | 0.9467         |       |
| 145 Hexachlorobutadiene            | 225 | 14.231    | 14.231        | 0.000         | 96 | 50159    | 1.00         | 0.99           |       |
| 146 Naphthalene                    | 128 | 14.328    | 14.322        | 0.006         | 97 | 186075   | 1.00         | 0.9071         |       |
| 147 1,2,3-Trichlorobenzene         | 180 | 14.468    | 14.468        | 0.000         | 95 | 92422    | 1.00         | 0.9648         |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 156 p-Diethylbenzene               | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol              | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane       | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                        | 43  |           | 0.000         |               |    |          | ND           | ND             |       |

### QC Flag Legend

#### Processing Flags

ND - Not Detected or Marked ND

#### Review Flags

M - Manually Integrated

### Reagents:

|                     |                    |           |             |
|---------------------|--------------------|-----------|-------------|
| MSV_LL_#1_826_00162 | Amount Added: 2.00 | Units: uL |             |
| MSV_LL_#2_826_00172 | Amount Added: 2.00 | Units: uL |             |
| MSV_LL_GAS826_00262 | Amount Added: 2.00 | Units: uL |             |
| MSV_LLcentISS_00016 | Amount Added: 5.00 | Units: uL | Run Reagent |



Report Date: 19-Mar-2025 10:16:38

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X15.D

Injection Date: 17-Mar-2025 20:07:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std4

Worklist Smp#: 16

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

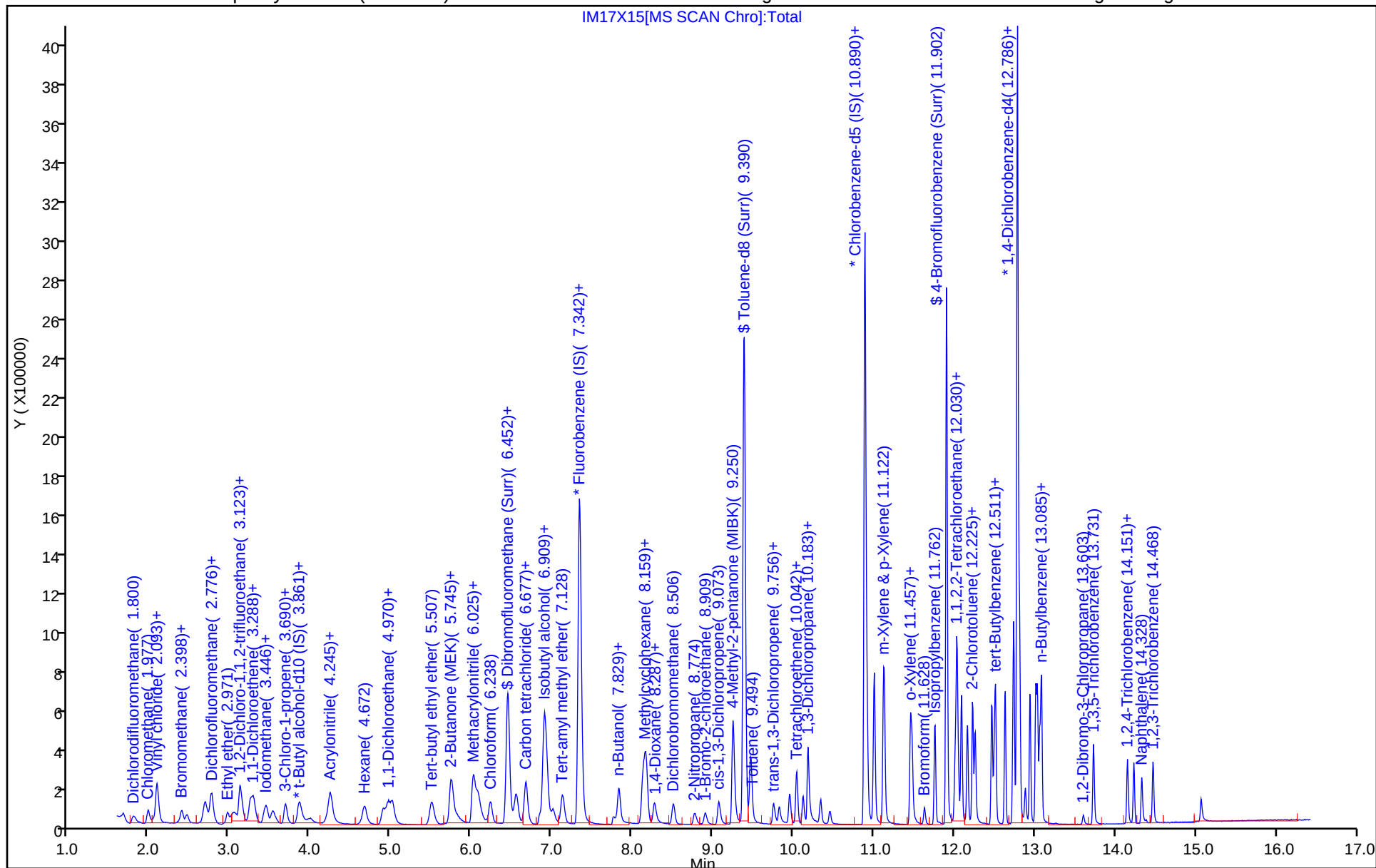
ALS Bottle#: 15

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## Eurofins Lancaster Laboratories Environment Testing, LLC

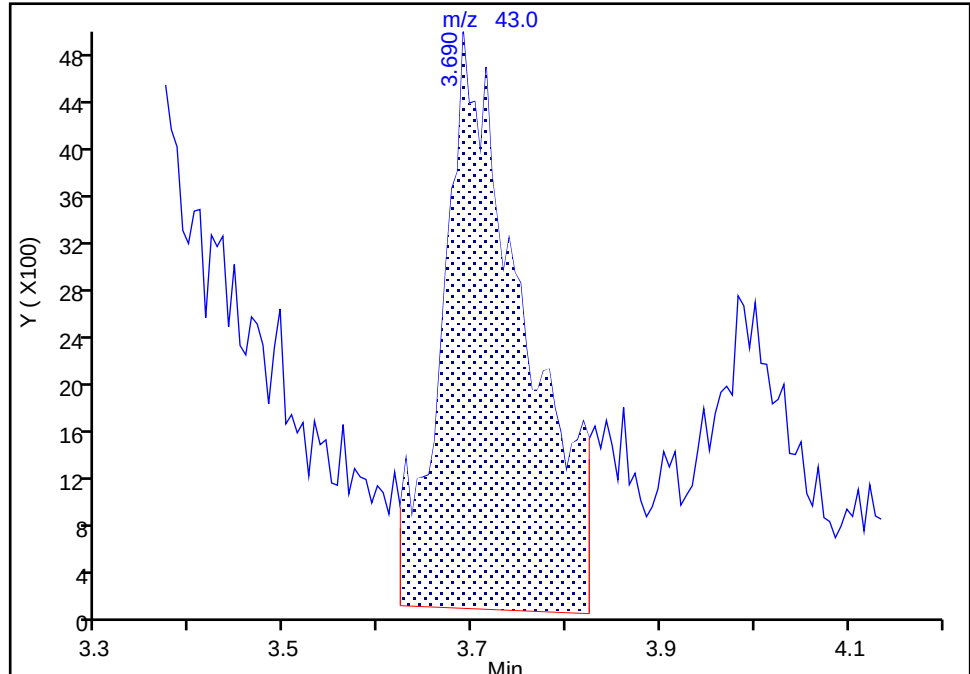
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X15.D  
Injection Date: 17-Mar-2025 20:07:30 Instrument ID: 19930  
Lims ID: IC std4  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 15 Worklist Smp#: 16  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**23 Methyl acetate, CAS: 79-20-9**

Signal: 1

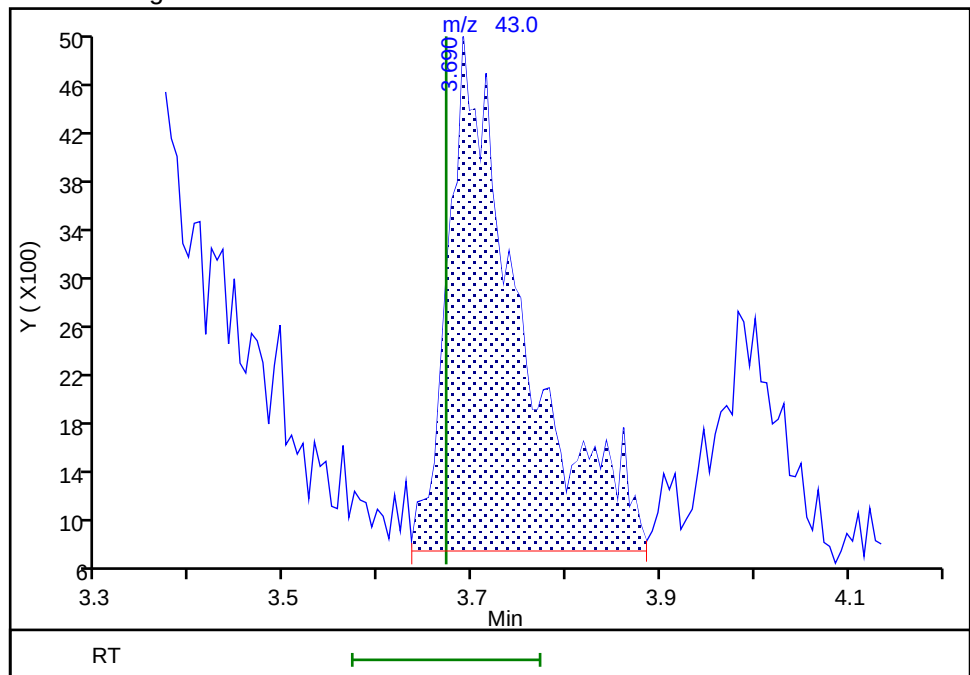
RT: 3.69  
Area: 29696  
Amount: 0.852540  
Amount Units: ug/l

## Processing Integration Results



RT: 3.69  
Area: 22598  
Amount: 0.799126  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:22:06 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X16.D  
 Lims ID: IC std5  
 Client ID:  
 Sample Type: IC Calib Level: 5  
 Inject. Date: 17-Mar-2025 20:28:30 ALS Bottle#: 16 Worklist Smp#: 17  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0141066-017  
 Misc. Info.: IC STD5  
 Operator ID: knk41612 Instrument ID: 19930  
 Sublist: chrom-8260 25ml HP31\*sub2  
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 19-Mar-2025 10:16:50 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:23:26

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.812     | 1.806         | 0.006         | 99  | 169786   | 2.00         | 2.24           |       |
| 4 Chloromethane                     | 50  | 1.989     | 1.989         | 0.000         | 99  | 206882   | 2.00         | 2.12           |       |
| 5 Vinyl chloride                    | 62  | 2.093     | 2.099         | -0.006        | 83  | 180868   | 2.00         | 2.20           |       |
| 6 Butadiene                         | 39  | 2.099     | 2.099         | 0.000         | 93  | 248817   | 2.00         | 2.16           |       |
| 7 Bromomethane                      | 94  | 2.404     | 2.404         | 0.000         | 91  | 138216   | 2.00         | 2.05           |       |
| 8 Chloroethane                      | 64  | 2.471     | 2.471         | 0.000         | 100 | 112147   | 2.00         | 2.14           |       |
| 9 Dichlorofluoromethane             | 67  | 2.703     | 2.696         | 0.006         | 97  | 320227   | 2.00         | 2.12           |       |
| 10 Trichlorofluoromethane           | 101 | 2.757     | 2.757         | 0.000         | 97  | 237806   | 2.00         | 2.30           |       |
| 11 Ethyl ether                      | 59  | 2.971     | 2.971         | 0.000         | 91  | 116381   | 2.00         | 2.38           |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.050     | 3.056         | -0.006        | 93  | 168528   | 2.00         | 2.30           |       |
| 14 Acrolein                         | 56  | 3.129     | 3.123         | 0.006         | 99  | 726813   | 97.6         | 105.2          |       |
| 15 1,1-Dichloroethene               | 96  | 3.257     | 3.257         | 0.000         | 98  | 116657   | 2.00         | 2.14           |       |
| 16 Acetone                          | 43  | 3.300     | 3.282         | 0.018         | 99  | 231728   | 20.0         | 22.6           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 | 3.300     | 3.294         | 0.006         | 92  | 133976   | 2.00         | 2.16           |       |
| 18 Iodomethane                      | 142 | 3.434     | 3.440         | -0.006        | 99  | 249533   | 2.00         | 2.21           |       |
| 19 Ethyl bromide                    | 108 | 3.458     | 3.458         | 0.000         | 99  | 119527   | 2.00         | 2.36           |       |
| 20 Carbon disulfide                 | 76  | 3.538     | 3.538         | 0.000         | 99  | 386639   | 2.00         | 2.20           |       |
| 23 Methyl acetate                   | 43  | 3.690     | 3.672         | 0.018         | 31  | 51392    | 2.00         | 2.06           | M     |
| 24 3-Chloro-1-propene               | 41  | 3.696     | 3.690         | 0.006         | 88  | 189265   | 2.00         | 2.13           |       |
| 25 Methylene Chloride               | 84  | 3.867     | 3.861         | 0.006         | 95  | 143351   | 2.00         | 2.24           |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.885     | 3.885         | 0.000         | 99  | 155813   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  | 4.001     | 3.989         | 0.012         | 97  | 159338   | 40.0         | 44.3           |       |
| 28 Acrylonitrile                    | 53  | 4.202     | 4.178         | 0.024         | 98  | 65718    | 5.00         | 5.37           |       |
| 29 Methyl tert-butyl ether          | 73  | 4.233     | 4.233         | 0.000         | 98  | 338289   | 2.00         | 2.21           |       |
| 30 trans-1,2-Dichloroethene         | 96  | 4.257     | 4.245         | 0.012         | 99  | 134047   | 2.00         | 2.22           |       |
| 31 Hexane                           | 57  | 4.672     | 4.672         | 0.000         | 92  | 186779   | 2.00         | 2.20           |       |
| 32 1,1-Dichloroethane               | 63  | 4.909     | 4.903         | 0.006         | 96  | 256911   | 2.00         | 2.21           |       |
| 35 Isopropyl ether                  | 45  | 4.970     | 4.964         | 0.006         | 92  | 413940   | 2.00         | 2.22           |       |
| 36 2-Chloro-1,3-butadiene           | 53  | 5.019     | 5.019         | 0.000         | 92  | 204373   | 2.00         | 2.26           |       |
| 37 Tert-butyl ethyl ether           | 59  | 5.507     | 5.513         | -0.006        | 97  | 387923   | 2.00         | 2.22           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 38 2-Butanone (MEK)                | 43  | 5.732     | 5.720         | 0.012         | 100 | 396253   | 20.0         | 23.0           |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.751     | 5.745         | 0.006         | 82  | 159257   | 2.00         | 2.36           |       |
| 40 2,2-Dichloropropane             | 77  | 5.757     | 5.757         | 0.000         | 66  | 208007   | 2.00         | 2.17           |       |
| 43 Propionitrile                   | 54  | 5.830     | 5.799         | 0.031         | 98  | 211390   | 40.0         | 46.1           |       |
| 45 Methacrylonitrile               | 67  | 6.025     | 6.019         | 0.006         | 91  | 411089   | 20.0         | 23.3           |       |
| 46 Chlorobromomethane              | 128 | 6.080     | 6.080         | 0.000         | 93  | 74623    | 2.00         | 2.28           |       |
| 47 Tetrahydrofuran                 | 71  | 6.110     | 6.092         | 0.018         | 78  | 62228    | 10.0         | 12.0           |       |
| S 41 1,2-Dichloroethene, Total     | 100 |           |               |               | 0   |          |              | 4.57           |       |
| 48 Chloroform                      | 83  | 6.238     | 6.238         | 0.000         | 94  | 262239   | 2.00         | 2.21           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.458     | 6.452         | 0.006         | 93  | 482107   | 10.0         | 10.0           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.452     | 6.458         | -0.006        | 58  | 220515   | 2.00         | 2.17           |       |
| 51 Cyclohexane                     | 56  | 6.562     | 6.561         | 0.001         | 91  | 230339   | 2.00         | 2.20           |       |
| 54 Carbon tetrachloride            | 117 | 6.677     | 6.671         | 0.006         | 97  | 195613   | 2.00         | 2.20           |       |
| 53 1,1-Dichloropropene             | 75  | 6.677     | 6.677         | 0.000         | 97  | 200050   | 2.00         | 2.22           |       |
| 55 Isobutyl alcohol                | 41  | 6.854     | 6.836         | 0.018         | 94  | 143547   | 100.0        | 113.8          |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.909     | 6.903         | 0.006         | 92  | 98794    | 10.0         | 10.1           |       |
| 57 Benzene                         | 78  | 6.939     | 6.933         | 0.006         | 96  | 604118   | 2.00         | 2.24           |       |
| 58 1,2-Dichloroethane              | 62  | 7.013     | 7.013         | 0.000         | 98  | 172034   | 2.00         | 2.24           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.135     | 7.135         | 0.000         | 98  | 363926   | 2.00         | 2.27           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.348     | 7.348         | 0.000         | 98  | 1948679  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.366     | 7.366         | 0.000         | 92  | 179366   | 2.00         | 2.15           |       |
| 63 n-Butanol                       | 56  | 7.750     | 7.726         | 0.024         | 95  | 184301   | 175.0        | 186.5          |       |
| 64 Trichloroethene                 | 95  | 7.830     | 7.830         | 0.000         | 97  | 153520   | 2.00         | 2.15           |       |
| 65 Methylcyclohexane               | 83  | 8.134     | 8.134         | 0.000         | 91  | 249774   | 2.00         | 2.23           |       |
| 66 1,2-Dichloropropane             | 63  | 8.159     | 8.159         | 0.000         | 96  | 157767   | 2.00         | 2.22           |       |
| 68 1,4-Dioxane                     | 88  | 8.262     | 8.250         | 0.012         | 41  | 32232    | 100.0        | 119.0          |       |
| 67 Methyl methacrylate             | 69  | 8.269     | 8.256         | 0.012         | 90  | 64133    | 2.00         | 2.09           |       |
| 69 Dibromomethane                  | 93  | 8.275     | 8.268         | 0.007         | 96  | 79344    | 2.00         | 2.26           |       |
| 71 Dichlorobromomethane            | 83  | 8.506     | 8.506         | 0.000         | 99  | 190658   | 2.00         | 2.21           |       |
| 72 2-Nitropropane                  | 41  | 8.775     | 8.768         | 0.006         | 98  | 120823   | 10.0         | 10.5           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.903     | 8.896         | 0.007         | 99  | 173107   | 2.00         | 2.36           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.073     | 9.067         | 0.006         | 95  | 210791   | 2.00         | 2.20           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.250     | 9.250         | 0.000         | 97  | 1051687  | 20.0         | 22.8           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.390         | 0.000         | 94  | 1929130  | 10.0         | 10.0           |       |
| 79 Toluene                         | 92  | 9.469     | 9.469         | 0.000         | 98  | 373044   | 2.00         | 2.20           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.750     | 9.744         | 0.006         | 94  | 179798   | 2.00         | 2.24           |       |
| 99 Ethyl methacrylate              | 69  | 9.817     | 9.811         | 0.006         | 89  | 143024   | 2.00         | 2.16           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.951     | 9.951         | 0.000         | 91  | 110368   | 2.00         | 2.18           |       |
| 101 Tetrachloroethene              | 166 | 10.043    | 10.042        | 0.001         | 97  | 175573   | 2.00         | 2.13           |       |
| S 98 1,3-Dichloropropene, Total    | 100 |           |               |               | 0   |          |              | 4.44           |       |
| 102 1,3-Dichloropropane            | 76  | 10.122    | 10.116        | 0.006         | 91  | 196754   | 2.00         | 2.26           |       |
| 103 2-Hexanone                     | 43  | 10.177    | 10.171        | 0.006         | 97  | 744279   | 20.0         | 22.9           |       |
| 105 Chlorodibromomethane           | 129 | 10.341    | 10.335        | 0.006         | 91  | 139541   | 2.00         | 2.24           |       |
| 106 Ethylene Dibromide             | 107 | 10.451    | 10.451        | 0.000         | 98  | 108337   | 2.00         | 2.27           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.890    | 10.890        | 0.000         | 86  | 1459225  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.902    | 10.902        | 0.000         | 97  | 198743   | 2.00         | 2.15           |       |
| 109 Chlorobenzene                  | 112 | 10.914    | 10.914        | 0.000         | 95  | 440950   | 2.00         | 2.22           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.000    | 11.000        | 0.000         | 95  | 152891   | 2.00         | 2.23           |       |
| 112 Ethylbenzene                   | 91  | 11.006    | 11.006        | 0.000         | 99  | 735159   | 2.00         | 2.22           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.122    | 11.122        | 0.000         | 94  | 576959   | 4.00         | 4.48           |       |
| S 110 Xylenes, Total               | 106 |           |               |               | 0   |          |              | 6.72           |       |
| 114 o-Xylene                       | 106 | 11.457    | 11.457        | 0.000         | 96  | 275894   | 2.00         | 2.24           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 115 Styrene                        | 104 | 11.475    | 11.469        | 0.006         | 95 | 425904   | 2.00         | 2.21           |       |
| 116 Bromoform                      | 173 | 11.628    | 11.628        | 0.000         | 96 | 81317    | 2.00         | 2.22           |       |
| 117 Isopropylbenzene               | 105 | 11.762    | 11.756        | 0.006         | 96 | 639413   | 2.00         | 2.25           |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.902    | 11.902        | 0.000         | 91 | 704162   | 10.0         | 10.0           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.006    | 12.006        | 0.000         | 93 | 153783   | 2.00         | 2.28           |       |
| 122 Bromobenzene                   | 156 | 12.018    | 12.018        | 0.000         | 95 | 185301   | 2.00         | 2.30           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.030    | 12.030        | 0.000         | 93 | 363087   | 20.0         | 22.8           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.048    | 12.048        | 0.000         | 82 | 42110    | 2.00         | 2.31           |       |
| 125 N-Propylbenzene                | 91  | 12.091    | 12.091        | 0.000         | 99 | 862898   | 2.00         | 2.28           |       |
| 126 2-Chlorotoluene                | 126 | 12.164    | 12.164        | 0.000         | 97 | 182573   | 2.00         | 2.26           |       |
| 127 1,3,5-Trimethylbenzene         | 105 | 12.225    | 12.225        | 0.000         | 94 | 617966   | 2.00         | 2.30           |       |
| 128 4-Chlorotoluene                | 126 | 12.256    | 12.255        | 0.001         | 98 | 190130   | 2.00         | 2.30           |       |
| 129 tert-Butylbenzene              | 134 | 12.469    | 12.469        | 0.000         | 93 | 144939   | 2.00         | 2.30           |       |
| 130 Pentachloroethane              | 167 | 12.499    | 12.499        | 0.000         | 92 | 117225   | 2.00         | 2.40           |       |
| 131 1,2,4-Trimethylbenzene         | 105 | 12.512    | 12.512        | 0.000         | 97 | 634832   | 2.00         | 2.34           |       |
| 132 sec-Butylbenzene               | 105 | 12.634    | 12.633        | 0.001         | 94 | 802088   | 2.00         | 2.29           |       |
| 133 1,3-Dichlorobenzene            | 146 | 12.731    | 12.725        | 0.006         | 98 | 350129   | 2.00         | 2.27           |       |
| 134 4-Isopropyltoluene             | 119 | 12.743    | 12.737        | 0.006         | 97 | 674590   | 2.00         | 2.29           |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.786    | 12.786        | 0.000         | 95 | 823823   | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 | 12.804    | 12.804        | 0.000         | 96 | 367128   | 2.00         | 2.21           |       |
| 137 1,2,3-Trimethylbenzene         | 120 | 12.810    | 12.810        | 0.000         | 98 | 283874   | 2.00         | 2.21           |       |
| 138 Benzyl chloride                | 126 | 12.883    | 12.877        | 0.006         | 99 | 53901    | 2.00         | 2.26           |       |
| 139 n-Butylbenzene                 | 92  | 13.030    | 13.030        | 0.000         | 97 | 336658   | 2.00         | 2.24           |       |
| 140 1,2-Dichlorobenzene            | 146 | 13.060    | 13.060        | 0.000         | 98 | 343779   | 2.00         | 2.31           |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 | 13.603    | 13.603        | 0.000         | 83 | 21074    | 2.00         | 2.32           |       |
| 143 1,3,5-Trichlorobenzene         | 180 | 13.731    | 13.725        | 0.006         | 97 | 252787   | 2.00         | 2.25           |       |
| 144 1,2,4-Trichlorobenzene         | 180 | 14.152    | 14.145        | 0.007         | 94 | 209563   | 2.00         | 2.29           |       |
| 145 Hexachlorobutadiene            | 225 | 14.231    | 14.231        | 0.000         | 98 | 95828    | 2.00         | 2.17           |       |
| 146 Naphthalene                    | 128 | 14.328    | 14.322        | 0.006         | 97 | 415768   | 2.00         | 2.33           |       |
| 147 1,2,3-Trichlorobenzene         | 180 | 14.469    | 14.468        | 0.000         | 96 | 196463   | 2.00         | 2.35           |       |
| 156 p-Diethylbenzene               | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol              | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane       | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                        | 43  |           | 0.000         |               |    |          | ND           | ND             |       |

### QC Flag Legend

#### Processing Flags

ND - Not Detected or Marked ND

#### Review Flags

M - Manually Integrated

### Reagents:

|                     |                    |           |             |
|---------------------|--------------------|-----------|-------------|
| MSV_LL_#1_826_00162 | Amount Added: 2.00 | Units: uL |             |
| MSV_LL_#2_826_00172 | Amount Added: 2.00 | Units: uL |             |
| MSV_LL_GAS826_00262 | Amount Added: 2.00 | Units: uL |             |
| MSV_LLcentISS_00016 | Amount Added: 5.00 | Units: uL | Run Reagent |

Report Date: 19-Mar-2025 10:16:50

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X16.D

Injection Date: 17-Mar-2025 20:28:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std5

Worklist Smp#: 17

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

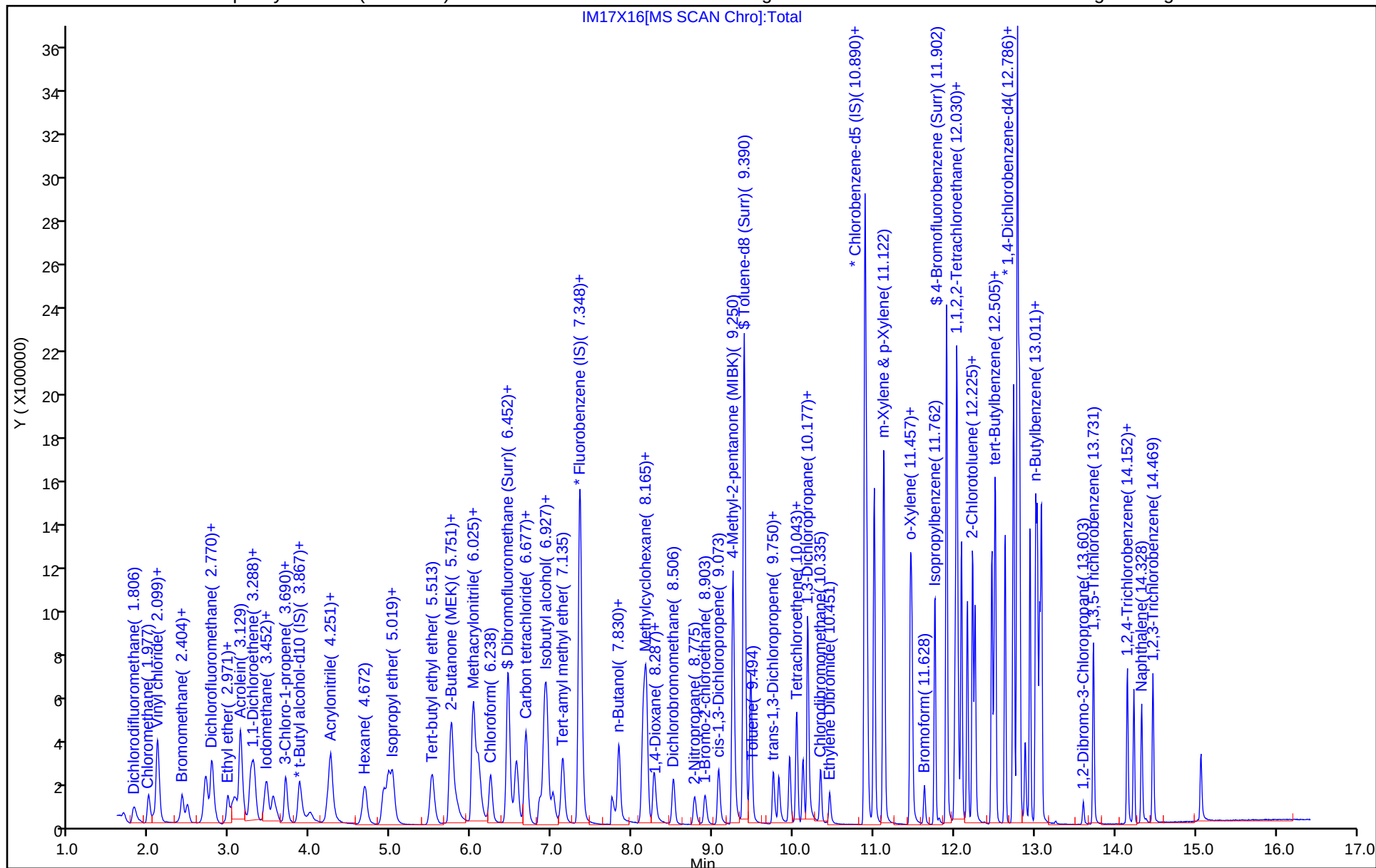
ALS Bottle#: 16

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X16.D

Injection Date: 17-Mar-2025 20:28:30

Instrument ID: 19930

Lims ID: IC std5

Client ID:

Operator ID: knk41612

ALS Bottle#:

16

Worklist Smp#: 17

Purge Vol: 25.000 mL

Dil. Factor:

1.0000

Method: 8260 25ml HP31

Limit Group:

MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID)

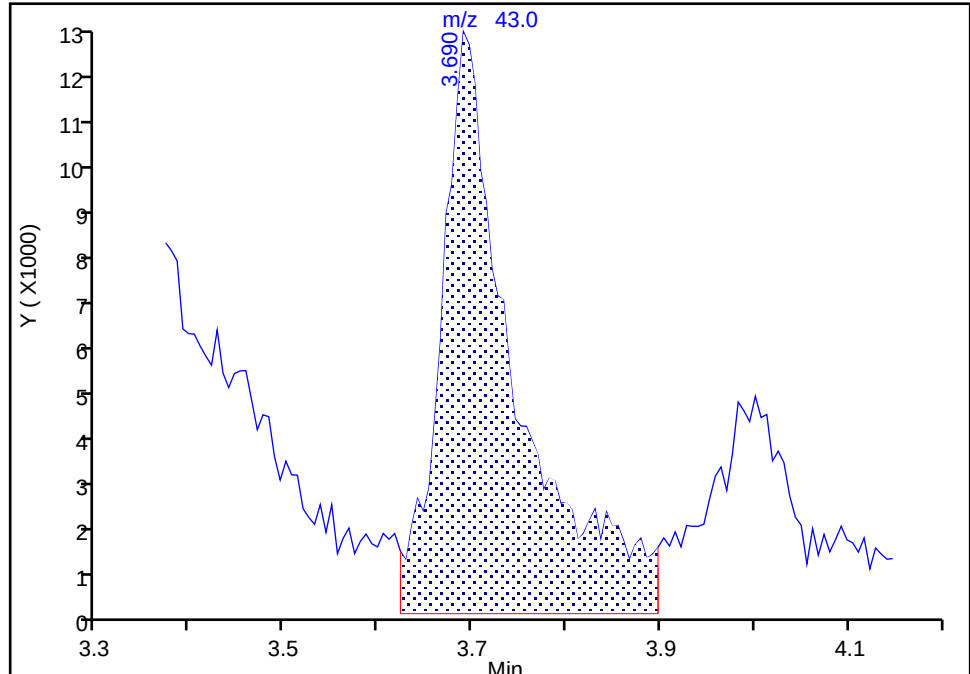
MS Quad

**23 Methyl acetate, CAS: 79-20-9**

Signal: 1

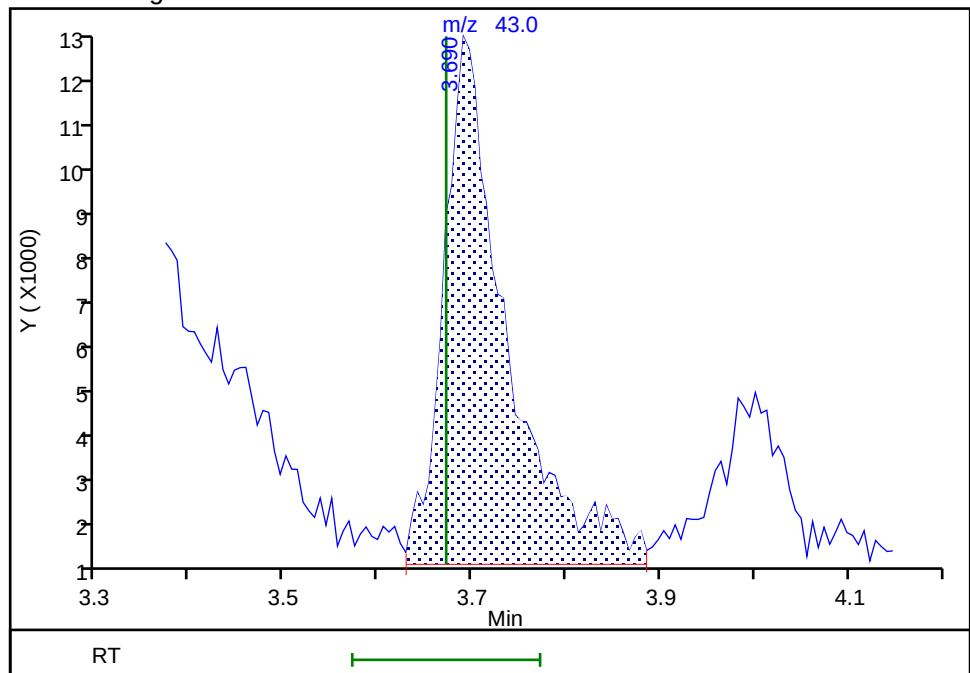
RT: 3.69  
Area: 66646  
Amount: 2.204952  
Amount Units: ug/l

## Processing Integration Results



RT: 3.69  
Area: 51392  
Amount: 2.060781  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:23:02 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration



Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X17.D  
 Lims ID: IC std6  
 Client ID:  
 Sample Type: IC Calib Level: 6  
 Inject. Date: 17-Mar-2025 20:49:30 ALS Bottle#: 17 Worklist Smp#: 18  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0141066-018  
 Misc. Info.: IC STD6  
 Operator ID: knk41612 Instrument ID: 19930  
 Sublist: chrom-8260 25ml HP31\*sub2  
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 19-Mar-2025 10:17:01 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:24:29

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.800     | 1.800         | 0.000         | 99  | 449036   | 5.00         | 4.85           |       |
| 4 Chloromethane                     | 50  | 1.983     | 1.983         | 0.000         | 99  | 507423   | 5.00         | 4.26           |       |
| 5 Vinyl chloride                    | 62  | 2.087     | 2.087         | 0.000         | 84  | 462517   | 5.00         | 4.62           |       |
| 6 Butadiene                         | 39  | 2.093     | 2.093         | 0.000         | 90  | 610590   | 5.00         | 4.35           |       |
| 7 Bromomethane                      | 94  | 2.398     | 2.398         | 0.000         | 92  | 351812   | 5.00         | 4.29           |       |
| 8 Chloroethane                      | 64  | 2.465     | 2.465         | 0.000         | 99  | 291883   | 5.00         | 4.57           |       |
| 9 Dichlorofluoromethane             | 67  | 2.690     | 2.690         | 0.000         | 97  | 814725   | 5.00         | 4.42           |       |
| 10 Trichlorofluoromethane           | 101 | 2.751     | 2.751         | 0.000         | 96  | 630193   | 5.00         | 4.99           |       |
| 11 Ethyl ether                      | 59  | 2.964     | 2.964         | 0.000         | 91  | 264938   | 5.00         | 4.45           |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.050     | 3.050         | 0.000         | 93  | 433164   | 5.00         | 4.85           |       |
| 14 Acrolein                         | 56  | 3.117     | 3.117         | 0.000         | 100 | 2077534  | 244.0        | 263.6          |       |
| 15 1,1-Dichloroethene               | 96  | 3.245     | 3.245         | 0.000         | 97  | 314437   | 5.00         | 4.73           |       |
| 16 Acetone                          | 43  | 3.281     | 3.281         | 0.000         | 99  | 575637   | 50.0         | 49.3           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 | 3.288     | 3.288         | 0.000         | 93  | 370218   | 5.00         | 4.91           |       |
| 18 Iodomethane                      | 142 | 3.434     | 3.434         | 0.000         | 99  | 668985   | 5.00         | 4.86           |       |
| 19 Ethyl bromide                    | 108 | 3.452     | 3.452         | 0.000         | 98  | 272975   | 5.01         | 4.41           |       |
| 20 Carbon disulfide                 | 76  | 3.525     | 3.525         | 0.000         | 100 | 1005899  | 5.00         | 4.69           |       |
| 23 Methyl acetate                   | 43  | 3.672     | 3.672         | 0.000         | 29  | 148932   | 5.00         | 5.23           | M     |
| 24 3-Chloro-1-propene               | 41  | 3.684     | 3.684         | 0.000         | 89  | 528031   | 5.00         | 4.87           |       |
| 25 Methylene Chloride               | 84  | 3.855     | 3.855         | 0.000         | 92  | 375422   | 5.00         | 4.81           |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.873     | 3.873         | 0.000         | 99  | 177762   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  | 3.976     | 3.976         | 0.000         | 97  | 375561   | 100.0        | 91.6           |       |
| 28 Acrylonitrile                    | 53  | 4.184     | 4.184         | 0.000         | 98  | 186885   | 12.5         | 13.4           |       |
| 29 Methyl tert-butyl ether          | 73  | 4.226     | 4.226         | 0.000         | 96  | 912490   | 5.00         | 4.90           |       |
| 30 trans-1,2-Dichloroethene         | 96  | 4.239     | 4.239         | 0.000         | 98  | 362357   | 5.00         | 4.91           |       |
| 31 Hexane                           | 57  | 4.665     | 4.665         | 0.000         | 93  | 538256   | 5.00         | 5.21           |       |
| 32 1,1-Dichloroethane               | 63  | 4.897     | 4.897         | 0.000         | 96  | 690713   | 5.00         | 4.87           |       |
| 35 Isopropyl ether                  | 45  | 4.964     | 4.964         | 0.000         | 93  | 1150437  | 5.00         | 5.06           |       |
| 36 2-Chloro-1,3-butadiene           | 53  | 5.013     | 5.013         | 0.000         | 92  | 555547   | 5.00         | 5.03           |       |
| 37 Tert-butyl ethyl ether           | 59  | 5.507     | 5.507         | 0.000         | 97  | 1063917  | 5.00         | 5.00           |       |



| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 38 2-Butanone (MEK)                | 43  | 5.720     | 5.720         | 0.000         | 100 | 1078404  | 50.0         | 54.8           |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.738     | 5.738         | 0.000         | 83  | 426474   | 5.00         | 5.17           |       |
| 40 2,2-Dichloropropane             | 77  | 5.751     | 5.751         | 0.000         | 87  | 568514   | 5.00         | 4.88           |       |
| 43 Propionitrile                   | 54  | 5.805     | 5.805         | 0.000         | 98  | 577745   | 100.0        | 110.3          |       |
| 45 Methacrylonitrile               | 67  | 6.013     | 6.013         | 0.000         | 92  | 1112307  | 50.0         | 55.3           |       |
| 46 Chlorobromomethane              | 128 | 6.080     | 6.080         | 0.000         | 95  | 197640   | 5.00         | 4.94           |       |
| 47 Tetrahydrofuran                 | 71  | 6.098     | 6.098         | 0.000         | 79  | 161577   | 25.0         | 27.4           |       |
| S 41 1,2-Dichloroethene, Total     | 100 |           |               |               | 0   |          |              | 10.1           |       |
| 48 Chloroform                      | 83  | 6.232     | 6.232         | 0.000         | 94  | 704502   | 5.00         | 4.87           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.452     | 6.452         | 0.000         | 93  | 581709   | 10.0         | 9.91           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.458     | 6.458         | 0.000         | 99  | 601954   | 5.00         | 4.86           |       |
| 51 Cyclohexane                     | 56  | 6.549     | 6.549         | 0.000         | 91  | 645896   | 5.00         | 5.06           |       |
| 54 Carbon tetrachloride            | 117 | 6.665     | 6.665         | 0.000         | 95  | 537473   | 5.00         | 4.96           |       |
| 53 1,1-Dichloropropene             | 75  | 6.671     | 6.671         | 0.000         | 98  | 548847   | 5.00         | 5.00           |       |
| 55 Isobutyl alcohol                | 41  | 6.836     | 6.836         | 0.000         | 93  | 358137   | 250.0        | 248.8          |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.897     | 6.897         | 0.000         | 83  | 118121   | 10.0         | 9.93           |       |
| 57 Benzene                         | 78  | 6.933     | 6.933         | 0.000         | 97  | 1610340  | 5.00         | 4.91           |       |
| 58 1,2-Dichloroethane              | 62  | 7.006     | 7.006         | 0.000         | 98  | 456200   | 5.00         | 4.87           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.128     | 7.128         | 0.000         | 98  | 996461   | 5.00         | 5.09           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.342     | 7.342         | 0.000         | 98  | 2375608  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.366     | 7.366         | 0.000         | 91  | 507805   | 5.00         | 5.00           |       |
| 63 n-Butanol                       | 56  | 7.732     | 7.732         | 0.000         | 89  | 547554   | 437.5        | 438.1          |       |
| 64 Trichloroethene                 | 95  | 7.823     | 7.823         | 0.000         | 98  | 420693   | 5.00         | 4.84           |       |
| 65 Methylcyclohexane               | 83  | 8.128     | 8.128         | 0.000         | 92  | 708157   | 5.00         | 5.20           |       |
| 66 1,2-Dichloropropane             | 63  | 8.153     | 8.153         | 0.000         | 96  | 426263   | 5.00         | 4.93           |       |
| 68 1,4-Dioxane                     | 88  | 8.250     | 8.250         | 0.000         | 37  | 78301    | 250.0        | 253.3          | M     |
| 67 Methyl methacrylate             | 69  | 8.256     | 8.256         | 0.000         | 91  | 202395   | 5.00         | 5.77           |       |
| 69 Dibromomethane                  | 93  | 8.268     | 8.268         | 0.000         | 96  | 212924   | 5.00         | 4.98           |       |
| 71 Dichlorobromomethane            | 83  | 8.506     | 8.506         | 0.000         | 99  | 518479   | 5.00         | 4.94           |       |
| 72 2-Nitropropane                  | 41  | 8.768     | 8.768         | 0.000         | 99  | 337569   | 25.0         | 25.7           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.896     | 8.896         | 0.000         | 99  | 401545   | 5.00         | 4.49           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.067     | 9.067         | 0.000         | 95  | 605599   | 5.00         | 5.18           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.244     | 9.244         | 0.000         | 97  | 2968874  | 50.0         | 56.4           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.390         | 0.000         | 94  | 2343118  | 10.0         | 9.96           |       |
| 79 Toluene                         | 92  | 9.469     | 9.469         | 0.000         | 98  | 1018093  | 5.00         | 4.91           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.744     | 9.744         | 0.000         | 94  | 516959   | 5.00         | 5.27           |       |
| 99 Ethyl methacrylate              | 69  | 9.817     | 9.817         | 0.000         | 88  | 427537   | 5.00         | 5.28           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.951     | 9.951         | 0.000         | 91  | 300270   | 5.00         | 4.85           |       |
| 101 Tetrachloroethene              | 166 | 10.042    | 10.042        | 0.000         | 97  | 479532   | 5.00         | 4.75           |       |
| S 98 1,3-Dichloropropene, Total    | 100 |           |               |               | 0   |          |              | 10.4           |       |
| 102 1,3-Dichloropropane            | 76  | 10.116    | 10.116        | 0.000         | 90  | 532072   | 5.00         | 5.01           |       |
| 103 2-Hexanone                     | 43  | 10.170    | 10.170        | 0.000         | 97  | 2094878  | 50.0         | 56.6           |       |
| 105 Chlorodibromomethane           | 129 | 10.335    | 10.335        | 0.000         | 90  | 384743   | 5.00         | 5.04           |       |
| 106 Ethylene Dibromide             | 107 | 10.451    | 10.451        | 0.000         | 99  | 296369   | 5.00         | 5.07           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.890    | 10.890        | 0.000         | 86  | 1785596  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.902    | 10.902        | 0.000         | 97  | 558645   | 5.00         | 4.93           |       |
| 109 Chlorobenzene                  | 112 | 10.914    | 10.914        | 0.000         | 95  | 1185368  | 5.00         | 4.87           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.000    | 11.000        | 0.000         | 95  | 419128   | 5.00         | 4.99           |       |
| 112 Ethylbenzene                   | 91  | 11.006    | 11.006        | 0.000         | 98  | 2054022  | 5.00         | 5.08           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.121    | 11.121        | 0.000         | 94  | 1616963  | 10.0         | 10.3           |       |
| S 110 Xylenes, Total               | 106 |           |               |               | 0   |          |              | 15.3           |       |
| 114 o-Xylene                       | 106 | 11.457    | 11.457        | 0.000         | 96  | 766421   | 5.00         | 5.08           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 115 Styrene                        | 104 | 11.469    | 11.469        | 0.000         | 95 | 1250561  | 5.00         | 5.31           |       |
| 116 Bromoform                      | 173 | 11.627    | 11.627        | 0.000         | 96 | 228503   | 5.00         | 5.09           |       |
| 117 Isopropylbenzene               | 105 | 11.755    | 11.755        | 0.000         | 96 | 1802969  | 5.00         | 5.17           |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.902    | 11.902        | 0.000         | 91 | 872272   | 10.0         | 10.1           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.005    | 12.005        | 0.000         | 92 | 417378   | 5.00         | 4.93           |       |
| 122 Bromobenzene                   | 156 | 12.018    | 12.018        | 0.000         | 96 | 498171   | 5.00         | 4.93           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.030    | 12.030        | 0.000         | 93 | 997142   | 50.0         | 55.0           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.048    | 12.048        | 0.000         | 80 | 113700   | 5.00         | 4.97           |       |
| 125 N-Propylbenzene                | 91  | 12.091    | 12.091        | 0.000         | 99 | 2492041  | 5.00         | 5.24           |       |
| 126 2-Chlorotoluene                | 126 | 12.164    | 12.164        | 0.000         | 97 | 501851   | 5.00         | 4.95           |       |
| 127 1,3,5-Trimethylbenzene         | 105 | 12.225    | 12.225        | 0.000         | 94 | 1729793  | 5.00         | 5.12           |       |
| 128 4-Chlorotoluene                | 126 | 12.255    | 12.255        | 0.000         | 98 | 526768   | 5.00         | 5.07           |       |
| 129 tert-Butylbenzene              | 134 | 12.469    | 12.469        | 0.000         | 93 | 402643   | 5.00         | 5.09           |       |
| 130 Pentachloroethane              | 167 | 12.499    | 12.499        | 0.000         | 93 | 282715   | 5.00         | 4.60           |       |
| 131 1,2,4-Trimethylbenzene         | 105 | 12.511    | 12.511        | 0.000         | 97 | 1777764  | 5.00         | 5.21           |       |
| 132 sec-Butylbenzene               | 105 | 12.633    | 12.633        | 0.000         | 94 | 2285330  | 5.00         | 5.19           |       |
| 133 1,3-Dichlorobenzene            | 146 | 12.731    | 12.731        | 0.000         | 99 | 976737   | 5.00         | 5.04           |       |
| 134 4-Isopropyltoluene             | 119 | 12.737    | 12.737        | 0.000         | 97 | 1961910  | 5.00         | 5.29           |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.786    | 12.786        | 0.000         | 95 | 1035499  | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 | 12.804    | 12.804        | 0.000         | 94 | 997564   | 5.00         | 4.78           |       |
| 137 1,2,3-Trimethylbenzene         | 120 | 12.810    | 12.810        | 0.000         | 98 | 808563   | 5.00         | 5.00           |       |
| 138 Benzyl chloride                | 126 | 12.877    | 12.877        | 0.000         | 99 | 155840   | 5.00         | 5.21           |       |
| 139 n-Butylbenzene                 | 92  | 13.030    | 13.030        | 0.000         | 96 | 992428   | 5.00         | 5.25           |       |
| 140 1,2-Dichlorobenzene            | 146 | 13.060    | 13.060        | 0.000         | 98 | 923573   | 5.00         | 4.93           |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 | 13.603    | 13.603        | 0.000         | 85 | 57764    | 5.00         | 5.07           |       |
| 143 1,3,5-Trichlorobenzene         | 180 | 13.731    | 13.731        | 0.000         | 97 | 709891   | 5.00         | 5.03           |       |
| 144 1,2,4-Trichlorobenzene         | 180 | 14.151    | 14.151        | 0.000         | 94 | 595239   | 5.00         | 5.16           |       |
| 145 Hexachlorobutadiene            | 225 | 14.231    | 14.231        | 0.000         | 98 | 274172   | 5.00         | 4.95           |       |
| 146 Naphthalene                    | 128 | 14.328    | 14.328        | 0.000         | 97 | 1216767  | 5.00         | 5.41           |       |
| 147 1,2,3-Trichlorobenzene         | 180 | 14.468    | 14.468        | 0.000         | 95 | 546016   | 5.00         | 5.20           |       |
| 156 p-Diethylbenzene               | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                        | 43  |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol              | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane       | 1   |           | 0.000         |               |    |          | ND           | ND             |       |

## QC Flag Legend

### Processing Flags

ND - Not Detected or Marked ND

### Review Flags

M - Manually Integrated

## Reagents:

|                     |                    |           |             |
|---------------------|--------------------|-----------|-------------|
| MSV_LL_#1_826_00162 | Amount Added: 5.00 | Units: uL |             |
| MSV_LL_#2_826_00172 | Amount Added: 5.00 | Units: uL |             |
| MSV_LL_GAS826_00262 | Amount Added: 5.00 | Units: uL |             |
| MSV_LLcentISS_00016 | Amount Added: 5.00 | Units: uL | Run Reagent |

Report Date: 19-Mar-2025 10:17:02

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X17.D

Injection Date: 17-Mar-2025 20:49:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std6

Worklist Smp#: 18

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

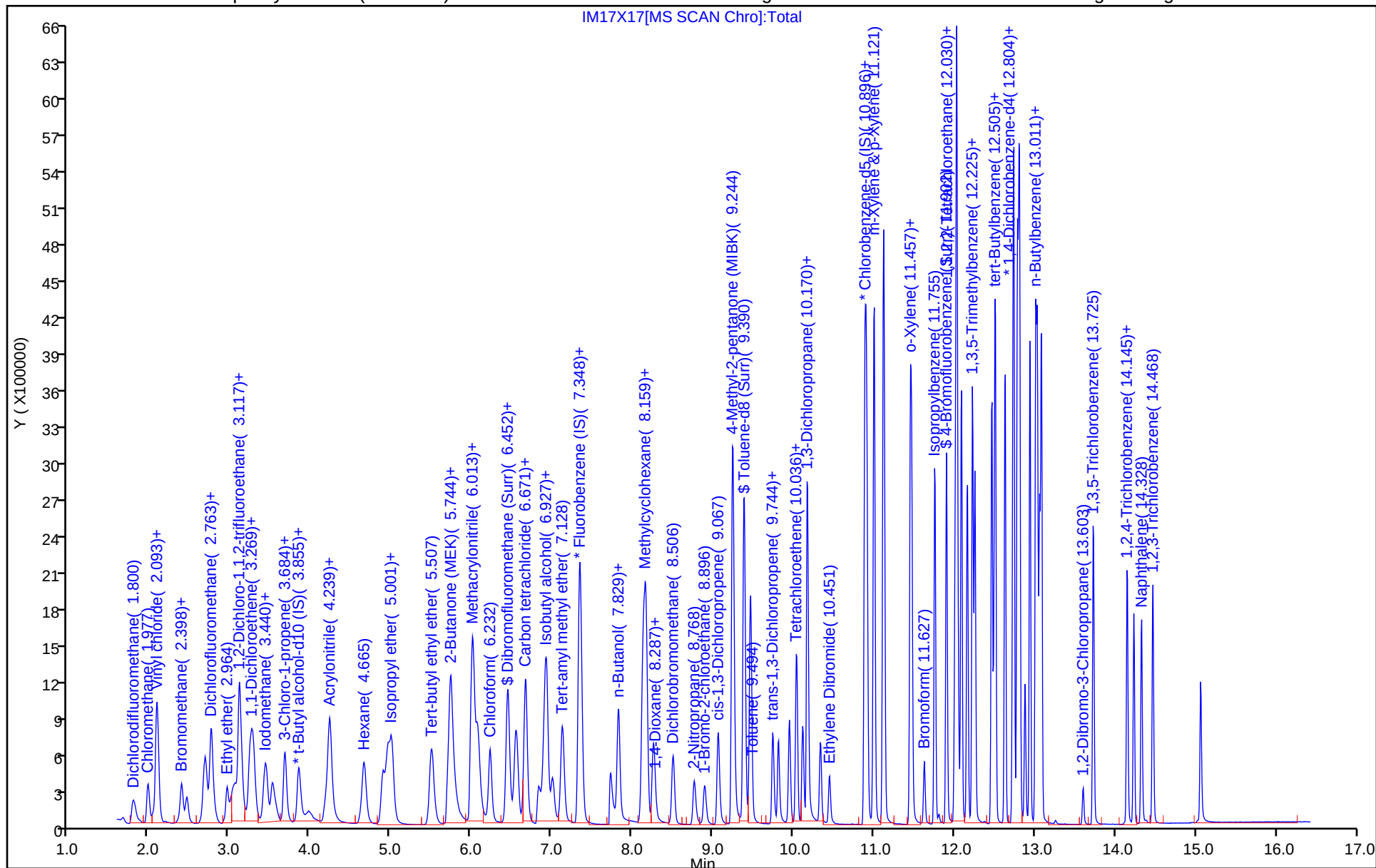
ALS Bottle#: 17

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## Eurofins Lancaster Laboratories Environment Testing, LLC

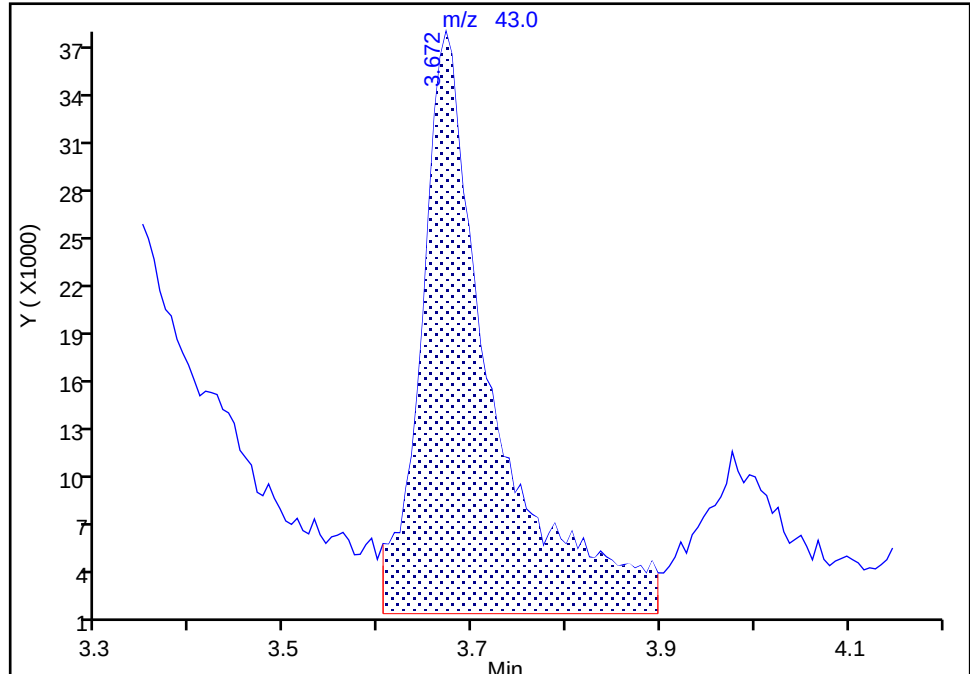
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X17.D  
Injection Date: 17-Mar-2025 20:49:30 Instrument ID: 19930  
Lims ID: IC std6  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**23 Methyl acetate, CAS: 79-20-9**

Signal: 1

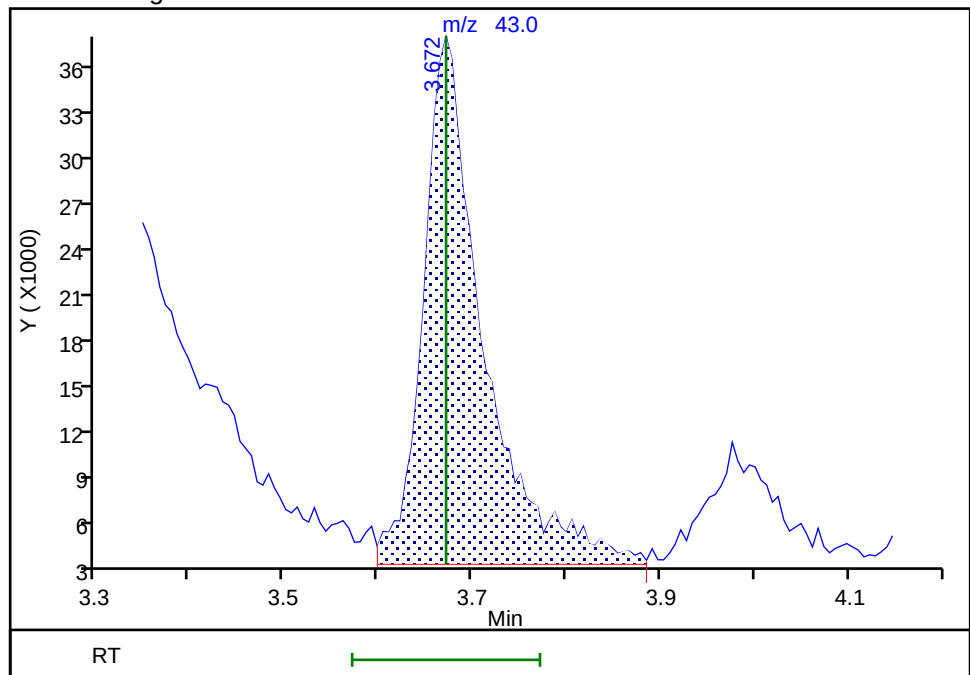
RT: 3.67  
Area: 190971  
Amount: 5.893321  
Amount Units: ug/l

## Processing Integration Results



RT: 3.67  
Area: 148932  
Amount: 5.234669  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:24:01 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

## Eurofins Lancaster Laboratories Environment Testing, LLC

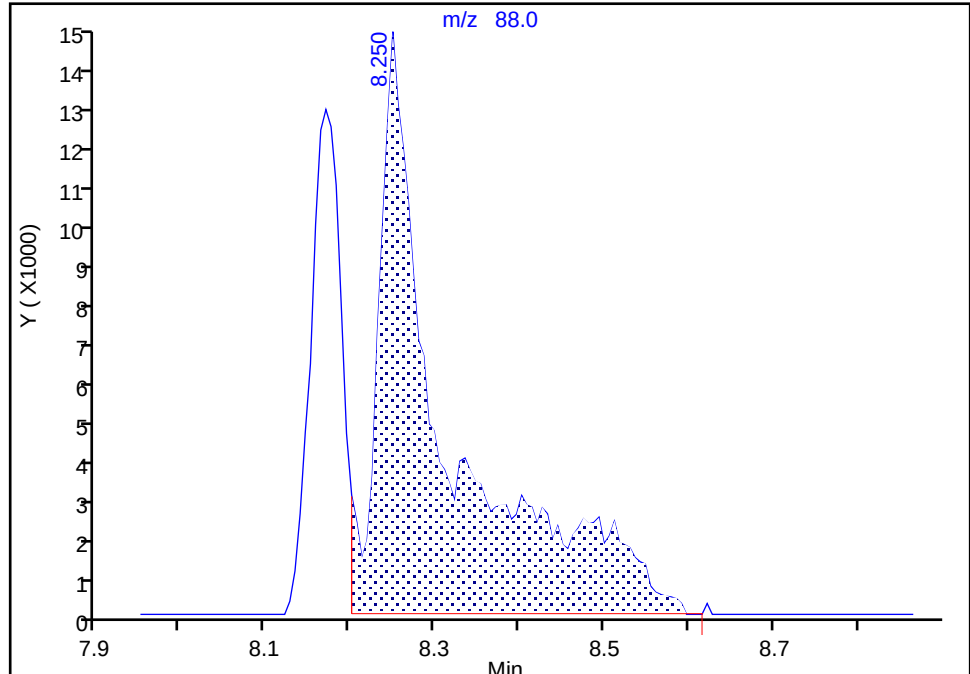
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X17.D  
Injection Date: 17-Mar-2025 20:49:30 Instrument ID: 19930  
Lims ID: IC std6  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 17 Worklist Smp#: 18  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**68 1,4-Dioxane, CAS: 123-91-1**

Signal: 1

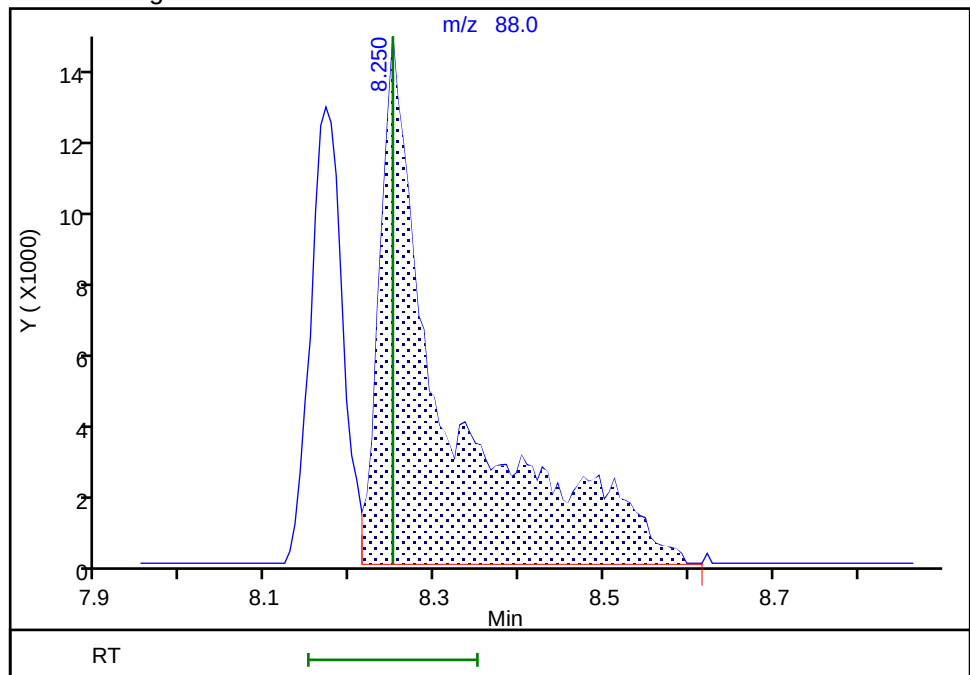
RT: 8.25  
Area: 80164  
Amount: 241.0026  
Amount Units: ug/l

## Processing Integration Results



RT: 8.25  
Area: 78301  
Amount: 253.3351  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:24:16 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X18.D  
 Lims ID: ICIS std7 LG  
 Client ID:  
 Sample Type: ICIS Calib Level: 7  
 Inject. Date: 17-Mar-2025 21:10:30 ALS Bottle#: 18 Worklist Smp#: 19  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0141066-019  
 Misc. Info.: ICIS STD7 LG  
 Operator ID: knk41612 Instrument ID: 19930  
 Sublist: chrom-8260 25ml HP31\*sub2  
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 19-Mar-2025 10:17:14 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:25:25

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.806     | 1.806         | 0.000         | 99  | 867503   | 10.0         | 8.81           |       |
| 4 Chloromethane                     | 50  | 1.989     | 1.989         | 0.000         | 99  | 1040434  | 10.0         | 8.21           |       |
| 5 Vinyl chloride                    | 62  | 2.099     | 2.099         | 0.000         | 97  | 950843   | 10.0         | 8.92           |       |
| 6 Butadiene                         | 39  | 2.099     | 2.099         | 0.000         | 92  | 1180323  | 10.0         | 7.90           |       |
| 7 Bromomethane                      | 94  | 2.404     | 2.404         | 0.000         | 90  | 731589   | 10.0         | 8.38           |       |
| 8 Chloroethane                      | 64  | 2.471     | 2.471         | 0.000         | 100 | 600530   | 10.0         | 8.83           |       |
| 9 Dichlorofluoromethane             | 67  | 2.696     | 2.696         | 0.000         | 97  | 1672020  | 10.0         | 8.53           |       |
| 10 Trichlorofluoromethane           | 101 | 2.757     | 2.757         | 0.000         | 97  | 1259649  | 10.0         | 9.37           |       |
| 11 Ethyl ether                      | 59  | 2.971     | 2.971         | 0.000         | 91  | 567595   | 10.0         | 8.96           |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.056     | 3.056         | 0.000         | 93  | 884896   | 10.0         | 9.31           |       |
| 14 Acrolein                         | 56  | 3.123     | 3.123         | 0.000         | 99  | 4586971  | 487.9        | 523.6          |       |
| 15 1,1-Dichloroethene               | 96  | 3.257     | 3.257         | 0.000         | 98  | 625036   | 10.0         | 8.83           |       |
| 16 Acetone                          | 43  | 3.282     | 3.282         | 0.000         | 100 | 1174556  | 100.0        | 90.5           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 | 3.294     | 3.294         | 0.000         | 93  | 718353   | 10.0         | 8.94           |       |
| 18 Iodomethane                      | 142 | 3.440     | 3.440         | 0.000         | 99  | 1343815  | 10.0         | 9.17           |       |
| 19 Ethyl bromide                    | 108 | 3.458     | 3.458         | 0.000         | 99  | 592486   | 10.0         | 9.00           |       |
| 20 Carbon disulfide                 | 76  | 3.538     | 3.538         | 0.000         | 99  | 2015469  | 10.0         | 8.83           |       |
| 23 Methyl acetate                   | 43  | 3.672     | 3.672         | 0.000         | 97  | 320622   | 10.0         | 10.1           | M     |
| 24 3-Chloro-1-propene               | 41  | 3.690     | 3.690         | 0.000         | 89  | 1076622  | 10.0         | 9.33           |       |
| 25 Methylene Chloride               | 84  | 3.861     | 3.861         | 0.000         | 92  | 744972   | 10.0         | 8.96           |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.873     | 3.873         | 0.000         | 99  | 197604   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  | 3.989     | 3.989         | 0.000         | 98  | 784960   | 200.0        | 172.2          |       |
| 28 Acrylonitrile                    | 53  | 4.178     | 4.178         | 0.000         | 98  | 383552   | 25.0         | 24.7           |       |
| 29 Methyl tert-butyl ether          | 73  | 4.233     | 4.233         | 0.000         | 96  | 1897743  | 10.0         | 9.57           |       |
| 30 trans-1,2-Dichloroethene         | 96  | 4.245     | 4.245         | 0.000         | 98  | 719770   | 10.0         | 9.17           |       |
| 31 Hexane                           | 57  | 4.672     | 4.672         | 0.000         | 92  | 1053642  | 10.0         | 9.58           |       |
| 32 1,1-Dichloroethane               | 63  | 4.903     | 4.903         | 0.000         | 96  | 1397471  | 10.0         | 9.26           |       |
| 35 Isopropyl ether                  | 45  | 4.964     | 4.964         | 0.000         | 93  | 2348680  | 10.0         | 9.70           |       |
| 36 2-Chloro-1,3-butadiene           | 53  | 5.019     | 5.019         | 0.000         | 92  | 1152715  | 10.0         | 9.82           |       |
| 37 Tert-butyl ethyl ether           | 59  | 5.513     | 5.513         | 0.000         | 97  | 2206742  | 10.0         | 9.75           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 38 2-Butanone (MEK)                | 43  | 5.720     | 5.720         | 0.000         | 99 | 2223160  | 100.0        | 101.6          |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.745     | 5.745         | 0.000         | 83 | 862331   | 10.0         | 9.83           |       |
| 40 2,2-Dichloropropane             | 77  | 5.757     | 5.757         | 0.000         | 88 | 1144064  | 10.0         | 9.22           |       |
| 43 Propionitrile                   | 54  | 5.799     | 5.799         | 0.000         | 99 | 1238293  | 200.0        | 212.7          |       |
| 45 Methacrylonitrile               | 67  | 6.019     | 6.019         | 0.000         | 91 | 2326880  | 100.0        | 104.1          |       |
| 46 Chlorobromomethane              | 128 | 6.080     | 6.080         | 0.000         | 90 | 404234   | 10.0         | 9.50           |       |
| 47 Tetrahydrofuran                 | 71  | 6.092     | 6.092         | 0.000         | 79 | 343194   | 50.0         | 52.3           |       |
| 48 Chloroform                      | 83  | 6.238     | 6.238         | 0.000         | 94 | 1424329  | 10.0         | 9.26           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.452     | 6.452         | 0.000         | 93 | 621958   | 10.0         | 9.96           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.458     | 6.458         | 0.000         | 99 | 1201115  | 10.0         | 9.12           |       |
| 51 Cyclohexane                     | 56  | 6.561     | 6.561         | 0.000         | 90 | 1285512  | 10.0         | 9.47           |       |
| 54 Carbon tetrachloride            | 117 | 6.671     | 6.671         | 0.000         | 97 | 1065827  | 10.0         | 9.23           |       |
| 53 1,1-Dichloropropene             | 75  | 6.677     | 6.677         | 0.000         | 96 | 1106272  | 10.0         | 9.47           |       |
| 55 Isobutyl alcohol                | 41  | 6.836     | 6.836         | 0.000         | 93 | 768008   | 500.0        | 480.0          |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.903     | 6.903         | 0.000         | 97 | 125073   | 10.0         | 9.88           |       |
| 57 Benzene                         | 78  | 6.933     | 6.933         | 0.000         | 97 | 3241142  | 10.0         | 9.28           |       |
| 58 1,2-Dichloroethane              | 62  | 7.013     | 7.013         | 0.000         | 98 | 938251   | 10.0         | 9.40           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.135     | 7.135         | 0.000         | 99 | 2070244  | 10.0         | 9.94           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.342     | 7.342         | 0.000         | 99 | 2528151  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.366     | 7.366         | 0.000         | 91 | 1000807  | 10.0         | 9.27           |       |
| 63 n-Butanol                       | 56  | 7.726     | 7.726         | 0.000         | 88 | 1216149  | 875.0        | 845.8          |       |
| 64 Trichloroethene                 | 95  | 7.830     | 7.830         | 0.000         | 97 | 840412   | 10.0         | 9.09           |       |
| 65 Methylcyclohexane               | 83  | 8.134     | 8.134         | 0.000         | 92 | 1395288  | 10.0         | 9.62           |       |
| 66 1,2-Dichloropropane             | 63  | 8.159     | 8.159         | 0.000         | 90 | 866977   | 10.0         | 9.41           |       |
| 68 1,4-Dioxane                     | 88  | 8.250     | 8.250         | 0.000         | 35 | 172137   | 500.0        | 501.0          | M     |
| 67 Methyl methacrylate             | 69  | 8.256     | 8.256         | 0.000         | 89 | 422456   | 10.0         | 10.8           |       |
| 69 Dibromomethane                  | 93  | 8.268     | 8.268         | 0.000         | 96 | 437982   | 10.0         | 9.63           |       |
| 71 Dichlorobromomethane            | 83  | 8.506     | 8.506         | 0.000         | 99 | 1052683  | 10.0         | 9.42           |       |
| 72 2-Nitropropane                  | 41  | 8.768     | 8.768         | 0.000         | 99 | 717770   | 50.0         | 49.2           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.896     | 8.896         | 0.000         | 99 | 896678   | 10.0         | 9.43           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.067     | 9.067         | 0.000         | 96 | 1270142  | 10.0         | 10.2           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.250     | 9.250         | 0.000         | 97 | 6141987  | 100.0        | 104.9          |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.390         | 0.000         | 94 | 2502545  | 10.0         | 10.0           |       |
| 79 Toluene                         | 92  | 9.469     | 9.469         | 0.000         | 97 | 2035073  | 10.0         | 9.23           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.744     | 9.744         | 0.000         | 94 | 1090525  | 10.0         | 10.4           |       |
| 99 Ethyl methacrylate              | 69  | 9.811     | 9.811         | 0.000         | 89 | 926652   | 10.0         | 10.8           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.951     | 9.951         | 0.000         | 91 | 609961   | 10.0         | 9.27           |       |
| 101 Tetrachloroethene              | 166 | 10.042    | 10.042        | 0.000         | 97 | 954514   | 10.0         | 8.89           |       |
| 102 1,3-Dichloropropane            | 76  | 10.116    | 10.116        | 0.000         | 91 | 1068090  | 10.0         | 9.44           |       |
| 103 2-Hexanone                     | 43  | 10.171    | 10.171        | 0.000         | 97 | 4407541  | 100.0        | 107.0          |       |
| 105 Chlorodibromomethane           | 129 | 10.335    | 10.335        | 0.000         | 90 | 794322   | 10.0         | 9.78           |       |
| 106 Ethylene Dibromide             | 107 | 10.451    | 10.451        | 0.000         | 99 | 601165   | 10.0         | 9.67           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.890    | 10.890        | 0.000         | 85 | 1899624  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.902    | 10.902        | 0.000         | 98 | 1149154  | 10.0         | 9.53           |       |
| 109 Chlorobenzene                  | 112 | 10.914    | 10.914        | 0.000         | 95 | 2396616  | 10.0         | 9.25           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.000    | 11.000        | 0.000         | 95 | 842460   | 10.0         | 9.43           |       |
| 112 Ethylbenzene                   | 91  | 11.006    | 11.006        | 0.000         | 98 | 4151451  | 10.0         | 9.64           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.122    | 11.122        | 0.000         | 94 | 3265584  | 20.0         | 19.5           |       |
| 114 o-Xylene                       | 106 | 11.457    | 11.457        | 0.000         | 96 | 1586761  | 10.0         | 9.89           |       |
| 115 Styrene                        | 104 | 11.469    | 11.469        | 0.000         | 94 | 2589171  | 10.0         | 10.3           |       |
| 116 Bromoform                      | 173 | 11.628    | 11.628        | 0.000         | 97 | 479236   | 10.0         | 10.0           |       |
| 117 Isopropylbenzene               | 105 | 11.756    | 11.756        | 0.000         | 96 | 3674824  | 10.0         | 9.91           |       |



| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.902    | 11.902        | 0.000         | 91 | 943586   | 10.0         | 10.3           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.006    | 12.006        | 0.000         | 93 | 848239   | 10.0         | 9.32           |       |
| 122 Bromobenzene                   | 156 | 12.018    | 12.018        | 0.000         | 95 | 1017891  | 10.0         | 9.37           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.030    | 12.030        | 0.000         | 93 | 2164989  | 100.0        | 107.3          |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.048    | 12.048        | 0.000         | 80 | 232052   | 10.0         | 9.44           |       |
| 125 N-Propylbenzene                | 91  | 12.091    | 12.091        | 0.000         | 99 | 5025930  | 10.0         | 9.83           |       |
| 126 2-Chlorotoluene                | 126 | 12.164    | 12.164        | 0.000         | 97 | 1028131  | 10.0         | 9.45           |       |
| 127 1,3,5-Trimethylbenzene         | 105 | 12.225    | 12.225        | 0.000         | 94 | 3560054  | 10.0         | 9.81           |       |
| 128 4-Chlorotoluene                | 126 | 12.255    | 12.255        | 0.000         | 98 | 1057520  | 10.0         | 9.48           |       |
| 129 tert-Butylbenzene              | 134 | 12.469    | 12.469        | 0.000         | 93 | 828530   | 10.0         | 9.75           |       |
| 130 Pentachloroethane              | 167 | 12.499    | 12.499        | 0.000         | 94 | 640789   | 10.0         | 9.71           |       |
| 131 1,2,4-Trimethylbenzene         | 105 | 12.512    | 12.512        | 0.000         | 97 | 3662492  | 10.0         | 10.0           |       |
| 132 sec-Butylbenzene               | 105 | 12.633    | 12.633        | 0.000         | 94 | 4625861  | 10.0         | 9.78           |       |
| 133 1,3-Dichlorobenzene            | 146 | 12.725    | 12.725        | 0.000         | 98 | 1997542  | 10.0         | 9.60           |       |
| 134 4-Isopropyltoluene             | 119 | 12.737    | 12.737        | 0.000         | 97 | 4048586  | 10.0         | 10.2           |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.786    | 12.786        | 0.000         | 94 | 1112211  | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 | 12.804    | 12.804        | 0.000         | 94 | 2052419  | 10.0         | 9.16           |       |
| 137 1,2,3-Trimethylbenzene         | 120 | 12.810    | 12.810        | 0.000         | 98 | 1656217  | 10.0         | 9.53           |       |
| 138 Benzyl chloride                | 126 | 12.877    | 12.877        | 0.000         | 99 | 340972   | 10.0         | 10.6           |       |
| 139 n-Butylbenzene                 | 92  | 13.030    | 13.030        | 0.000         | 96 | 2040326  | 10.0         | 10.1           |       |
| 140 1,2-Dichlorobenzene            | 146 | 13.060    | 13.060        | 0.000         | 98 | 1895168  | 10.0         | 9.42           |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 | 13.603    | 13.603        | 0.000         | 86 | 126594   | 10.0         | 10.3           |       |
| 143 1,3,5-Trichlorobenzene         | 180 | 13.725    | 13.725        | 0.000         | 97 | 1479204  | 10.0         | 9.76           |       |
| 144 1,2,4-Trichlorobenzene         | 180 | 14.145    | 14.145        | 0.000         | 94 | 1268157  | 10.0         | 10.2           |       |
| 145 Hexachlorobutadiene            | 225 | 14.231    | 14.231        | 0.000         | 97 | 570337   | 10.0         | 9.58           |       |
| 146 Naphthalene                    | 128 | 14.322    | 14.322        | 0.000         | 97 | 2600870  | 10.0         | 10.8           |       |
| 147 1,2,3-Trichlorobenzene         | 180 | 14.468    | 14.468        | 0.000         | 96 | 1118380  | 10.0         | 9.92           |       |
| 156 p-Diethylbenzene               | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol              | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane       | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                        | 43  |           | 0.000         |               |    |          | ND           | ND             |       |

**QC Flag Legend**

## Processing Flags

ND - Not Detected or Marked ND

## Review Flags

M - Manually Integrated

**Reagents:**

MSV\_LL\_#1\_826\_00162

Amount Added: 10.00

Units: uL

MSV\_LL\_#2\_826\_00172

Amount Added: 10.00

Units: uL

MSV\_LL\_GAS826\_00262

Amount Added: 10.00

Units: uL

MSV\_LLcentISS\_00016

Amount Added: 5.00

Units: uL

Run Reagent



Report Date: 19-Mar-2025 10:17:14

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X18.D

Injection Date: 17-Mar-2025 21:10:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: ICIS std7 LG

Worklist Smp#: 19

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

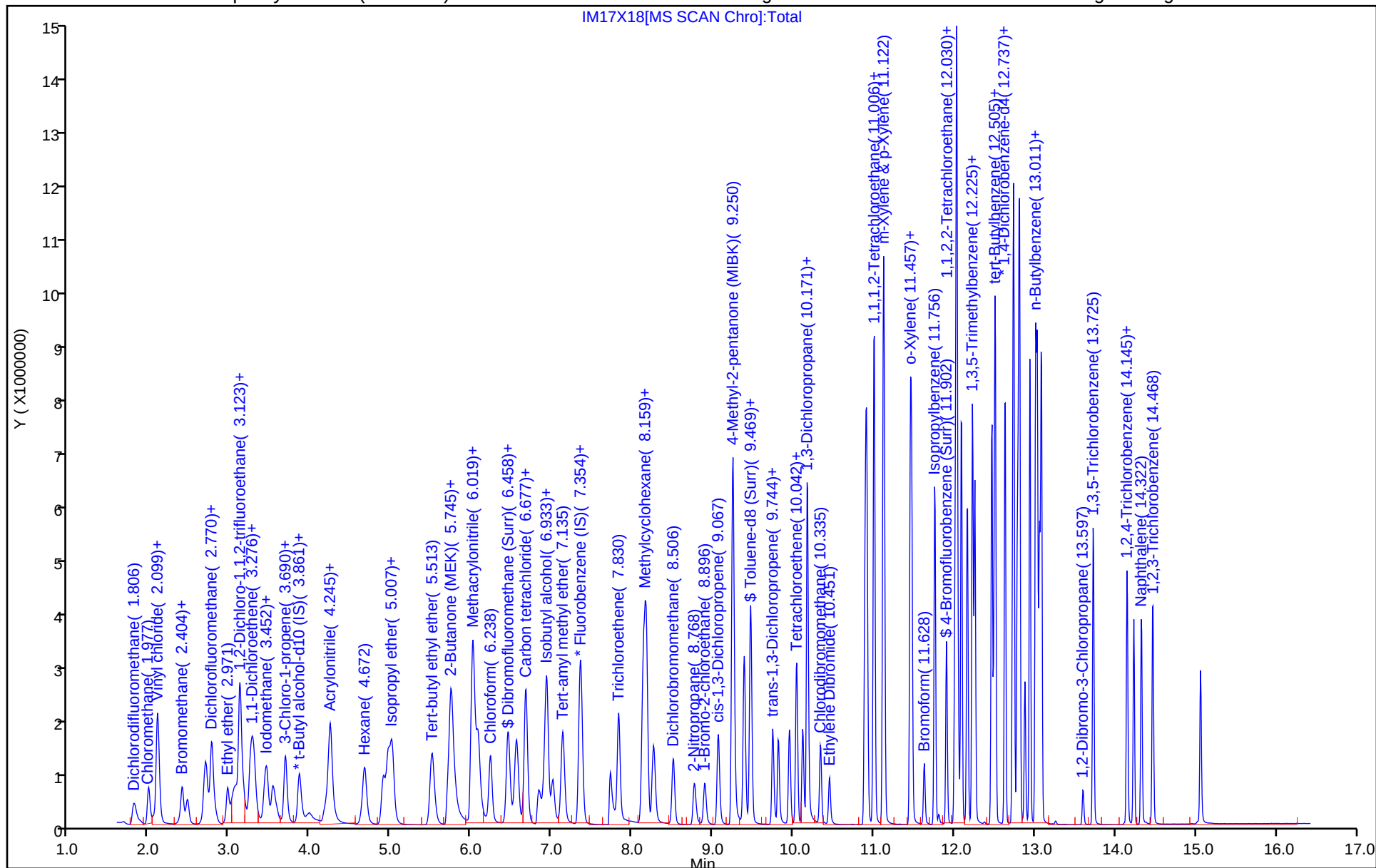
ALS Bottle#: 18

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## Eurofins Lancaster Laboratories Environment Testing, LLC

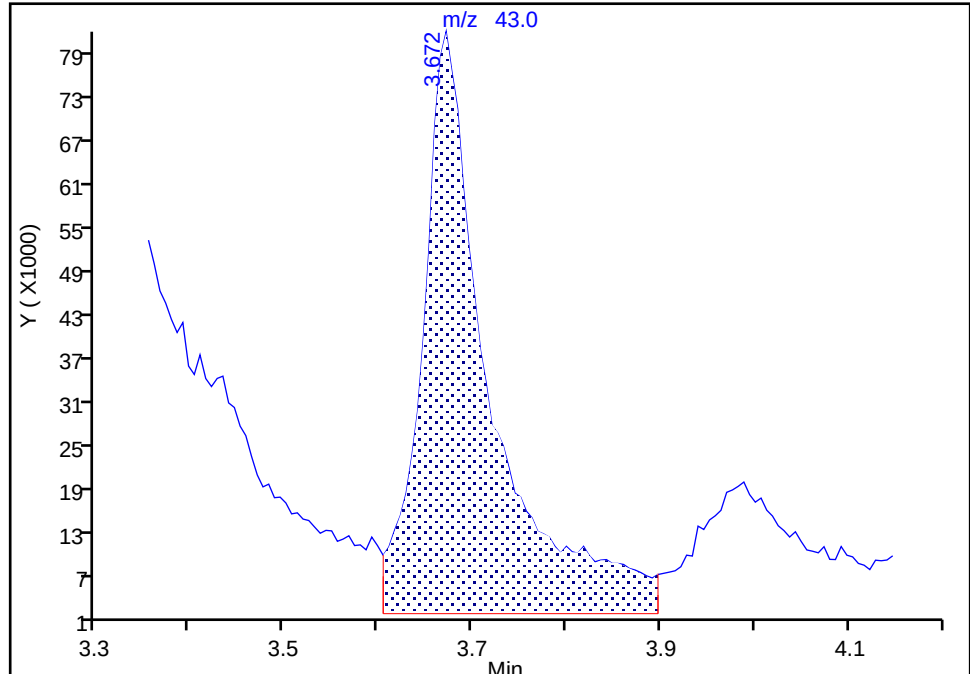
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X18.D  
Injection Date: 17-Mar-2025 21:10:30 Instrument ID: 19930  
Lims ID: ICIS std7 LG  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**23 Methyl acetate, CAS: 79-20-9**

Signal: 1

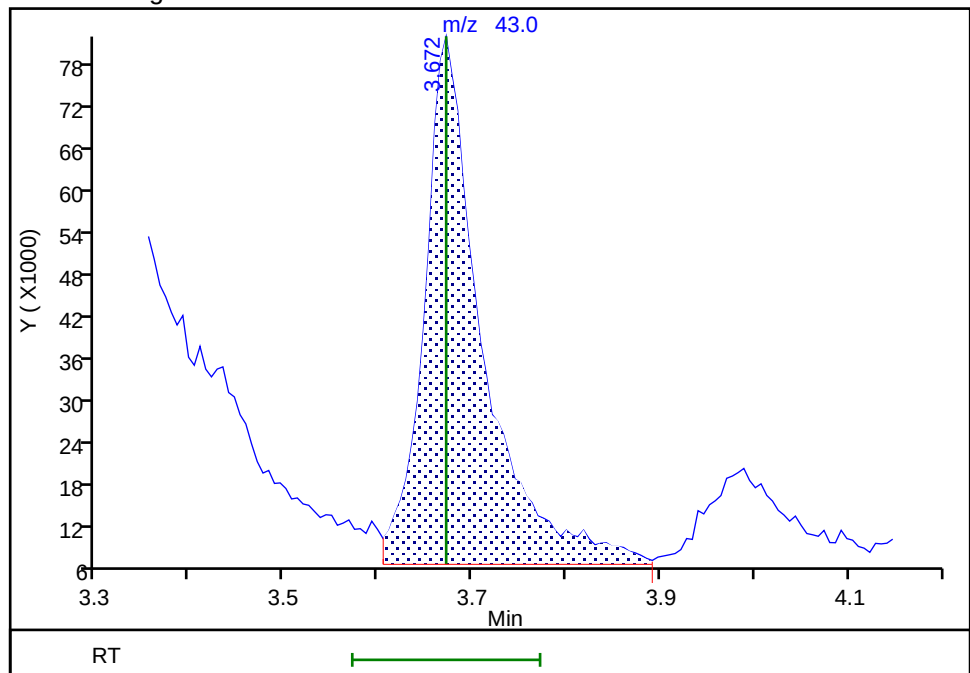
RT: 3.67  
Area: 402149  
Amount: 11.668676  
Amount Units: ug/l

## Processing Integration Results



RT: 3.67  
Area: 320622  
Amount: 10.137659  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:24:57 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

## Eurofins Lancaster Laboratories Environment Testing, LLC

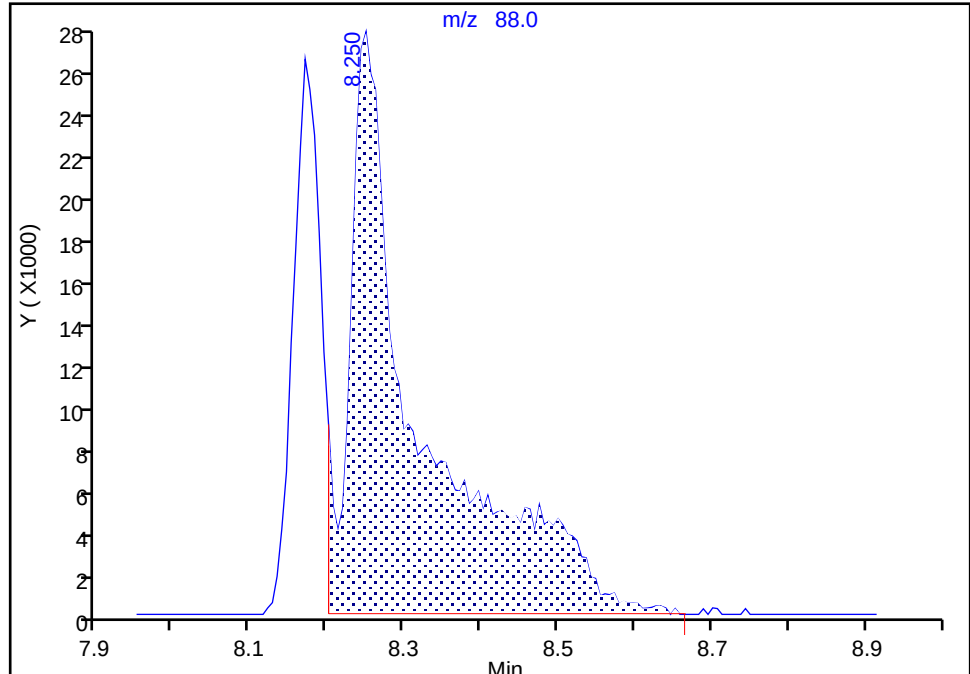
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X18.D  
Injection Date: 17-Mar-2025 21:10:30 Instrument ID: 19930  
Lims ID: ICIS std7 LG  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 18 Worklist Smp#: 19  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**68 1,4-Dioxane, CAS: 123-91-1**

Signal: 1

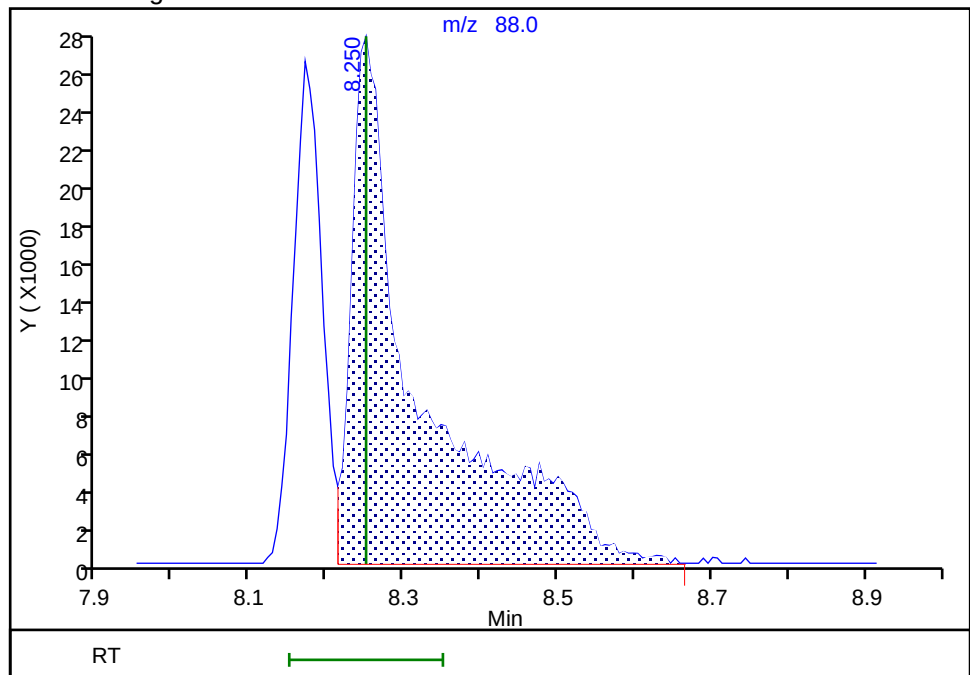
RT: 8.25  
Area: 177318  
Amount: 474.8944  
Amount Units: ug/l

## Processing Integration Results



RT: 8.25  
Area: 172137  
Amount: 501.0089  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:25:12 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Lims ID: IC std8  
 Client ID:  
 Sample Type: IC Calib Level: 8  
 Inject. Date: 17-Mar-2025 21:31:30 ALS Bottle#: 19 Worklist Smp#: 20  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0141066-020  
 Misc. Info.: IC STD8  
 Operator ID: knk41612 Instrument ID: 19930  
 Sublist: chrom-8260 25ml HP31\*sub2  
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 19-Mar-2025 10:17:29 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 08:31:05

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.806     | 1.806         | 0.000         | 99  | 2220078  | 25.0         | 21.2           |       |
| 4 Chloromethane                     | 50  | 1.983     | 1.989         | -0.006        | 99  | 2750277  | 25.0         | 20.4           |       |
| 5 Vinyl chloride                    | 62  | 2.093     | 2.099         | -0.006        | 98  | 2569365  | 25.0         | 22.6           |       |
| 6 Butadiene                         | 39  | 2.099     | 2.099         | 0.000         | 91  | 3022408  | 25.0         | 19.0           |       |
| 7 Bromomethane                      | 94  | 2.404     | 2.404         | 0.000         | 91  | 1986971  | 25.0         | 21.4           |       |
| 8 Chloroethane                      | 64  | 2.471     | 2.471         | 0.000         | 100 | 1625711  | 25.0         | 22.5           |       |
| 9 Dichlorofluoromethane             | 67  | 2.696     | 2.696         | 0.000         | 97  | 4512774  | 25.0         | 21.6           |       |
| 10 Trichlorofluoromethane           | 101 | 2.757     | 2.757         | 0.000         | 98  | 3359846  | 25.0         | 23.5           |       |
| 11 Ethyl ether                      | 59  | 2.965     | 2.971         | -0.006        | 92  | 1582602  | 25.0         | 23.5           |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.056     | 3.056         | 0.000         | 93  | 2402656  | 25.0         | 23.8           |       |
| 14 Acrolein                         | 56  | 3.117     | 3.123         | -0.006        | 99  | 13559936 | 1219.8       | 1415.0         |       |
| 15 1,1-Dichloroethene               | 96  | 3.251     | 3.257         | -0.006        | 98  | 1721357  | 25.0         | 22.9           |       |
| 16 Acetone                          | 43  | 3.276     | 3.282         | -0.006        | 99  | 3237225  | 250.0        | 228.0          |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 | 3.294     | 3.294         | 0.000         | 93  | 1958549  | 25.0         | 22.9           |       |
| 18 Iodomethane                      | 142 | 3.434     | 3.440         | -0.006        | 99  | 3718381  | 25.0         | 23.8           |       |
| 19 Ethyl bromide                    | 108 | 3.458     | 3.458         | 0.000         | 99  | 1629133  | 25.0         | 23.2           |       |
| 20 Carbon disulfide                 | 76  | 3.532     | 3.538         | -0.006        | 99  | 5505142  | 25.0         | 22.7           |       |
| 23 Methyl acetate                   | 43  | 3.666     | 3.672         | -0.006        | 97  | 938012   | 25.0         | 27.1           | M     |
| 24 3-Chloro-1-propene               | 41  | 3.684     | 3.690         | -0.006        | 90  | 3031605  | 25.0         | 24.7           |       |
| 25 Methylene Chloride               | 84  | 3.861     | 3.861         | 0.000         | 92  | 2055987  | 25.0         | 23.2           |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.879     | 3.873         | 0.006         | 98  | 216169   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  | 3.989     | 3.989         | 0.000         | 99  | 2328220  | 500.0        | 466.9          |       |
| 28 Acrylonitrile                    | 53  | 4.166     | 4.178         | -0.012        | 98  | 1116465  | 62.5         | 65.8           |       |
| 29 Methyl tert-butyl ether          | 73  | 4.227     | 4.233         | -0.006        | 95  | 5318132  | 25.0         | 25.2           |       |
| 30 trans-1,2-Dichloroethene         | 96  | 4.245     | 4.245         | 0.000         | 99  | 2008826  | 25.0         | 24.0           |       |
| 31 Hexane                           | 57  | 4.666     | 4.672         | -0.006        | 93  | 2928718  | 25.0         | 25.0           |       |
| 32 1,1-Dichloroethane               | 63  | 4.903     | 4.903         | 0.000         | 96  | 3827349  | 25.0         | 23.8           |       |
| 35 Isopropyl ether                  | 45  | 4.970     | 4.964         | 0.006         | 93  | 6577489  | 25.0         | 25.5           |       |
| 36 2-Chloro-1,3-butadiene           | 53  | 5.013     | 5.019         | -0.006        | 92  | 3235253  | 25.0         | 25.9           |       |
| 37 Tert-butyl ethyl ether           | 59  | 5.513     | 5.513         | 0.000         | 98  | 6201278  | 25.0         | 25.7           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 38 2-Butanone (MEK)                | 43  | 5.714     | 5.720         | -0.006        | 100 | 6229804  | 250.0        | 260.3          |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.745     | 5.745         | 0.000         | 83  | 2385156  | 25.0         | 25.5           |       |
| 40 2,2-Dichloropropane             | 77  | 5.757     | 5.757         | 0.000         | 87  | 3181990  | 25.0         | 24.1           |       |
| 43 Propionitrile                   | 54  | 5.799     | 5.799         | 0.000         | 99  | 3616266  | 500.0        | 567.8          |       |
| 45 Methacrylonitrile               | 67  | 6.019     | 6.019         | 0.000         | 91  | 6534377  | 250.0        | 267.3          |       |
| 46 Chlorobromomethane              | 128 | 6.080     | 6.080         | 0.000         | 94  | 1117019  | 25.0         | 24.7           |       |
| 47 Tetrahydrofuran                 | 71  | 6.098     | 6.092         | 0.006         | 78  | 915468   | 125.0        | 127.4          |       |
| S 41 1,2-Dichloroethene, Total     | 100 |           |               |               | 0   |          |              | 49.6           |       |
| 48 Chloroform                      | 83  | 6.232     | 6.238         | -0.006        | 94  | 3891858  | 25.0         | 23.8           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.452     | 6.452         | 0.000         | 94  | 658129   | 10.0         | 9.90           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.458     | 6.458         | 0.000         | 99  | 3296750  | 25.0         | 23.5           |       |
| 51 Cyclohexane                     | 56  | 6.562     | 6.561         | 0.001         | 90  | 3557226  | 25.0         | 24.6           |       |
| 54 Carbon tetrachloride            | 117 | 6.671     | 6.671         | 0.000         | 96  | 2976831  | 25.0         | 24.2           |       |
| 53 1,1-Dichloropropene             | 75  | 6.677     | 6.677         | 0.000         | 97  | 3066005  | 25.0         | 24.6           |       |
| 55 Isobutyl alcohol                | 41  | 6.836     | 6.836         | 0.000         | 94  | 2129603  | 1250.0       | 1216.6         |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.903     | 6.903         | 0.000         | 80  | 131850   | 10.0         | 9.78           |       |
| 57 Benzene                         | 78  | 6.933     | 6.933         | 0.000         | 97  | 8874944  | 25.0         | 23.9           |       |
| 58 1,2-Dichloroethane              | 62  | 7.007     | 7.013         | -0.006        | 97  | 2526418  | 25.0         | 23.8           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.135     | 7.135         | 0.000         | 98  | 5769149  | 25.0         | 26.0           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.348     | 7.342         | 0.006         | 99  | 2691008  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.360     | 7.366         | -0.006        | 91  | 2799116  | 25.0         | 24.4           |       |
| 63 n-Butanol                       | 56  | 7.726     | 7.726         | 0.000         | 88  | 3534527  | 2187.5       | 2198.0         |       |
| 64 Trichloroethene                 | 95  | 7.830     | 7.830         | 0.000         | 98  | 2325645  | 25.0         | 23.6           |       |
| 65 Methylcyclohexane               | 83  | 8.134     | 8.134         | 0.000         | 92  | 3864888  | 25.0         | 25.0           |       |
| 66 1,2-Dichloropropane             | 63  | 8.159     | 8.159         | 0.000         | 90  | 2433034  | 25.0         | 24.8           |       |
| 68 1,4-Dioxane                     | 88  | 8.250     | 8.250         | 0.000         | 33  | 456429   | 1250.0       | 1214.4         | M     |
| 67 Methyl methacrylate             | 69  | 8.250     | 8.256         | -0.006        | 90  | 1262398  | 25.0         | 29.6           |       |
| 69 Dibromomethane                  | 93  | 8.268     | 8.268         | 0.000         | 96  | 1197792  | 25.0         | 24.7           |       |
| 71 Dichlorobromomethane            | 83  | 8.506     | 8.506         | 0.000         | 99  | 2917500  | 25.0         | 24.5           |       |
| 72 2-Nitropropane                  | 41  | 8.768     | 8.768         | 0.000         | 99  | 2012071  | 125.0        | 126.0          |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.896     | 8.896         | 0.000         | 99  | 2454414  | 25.0         | 24.2           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.067     | 9.067         | 0.000         | 97  | 3626659  | 25.0         | 27.4           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.250     | 9.250         | 0.000         | 96  | 17034210 | 250.0        | 266.1          |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.390         | 0.000         | 94  | 2667403  | 10.0         | 9.88           |       |
| 79 Toluene                         | 92  | 9.469     | 9.469         | 0.000         | 98  | 5724327  | 25.0         | 24.1           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.744     | 9.744         | 0.000         | 93  | 3117732  | 25.0         | 27.7           |       |
| 99 Ethyl methacrylate              | 69  | 9.811     | 9.811         | 0.000         | 89  | 2657190  | 25.0         | 28.6           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.951     | 9.951         | 0.000         | 91  | 1689096  | 25.0         | 23.8           |       |
| 101 Tetrachloroethene              | 166 | 10.043    | 10.042        | 0.001         | 97  | 2672239  | 25.0         | 23.1           |       |
| S 98 1,3-Dichloropropene, Total    | 100 |           |               |               | 0   |          |              | 55.1           |       |
| 102 1,3-Dichloropropane            | 76  | 10.116    | 10.116        | 0.000         | 91  | 2979287  | 25.0         | 24.4           |       |
| 103 2-Hexanone                     | 43  | 10.171    | 10.171        | 0.000         | 96  | 12319076 | 250.0        | 273.5          |       |
| 105 Chlorodibromomethane           | 129 | 10.335    | 10.335        | 0.000         | 90  | 2243211  | 25.0         | 25.6           |       |
| 106 Ethylene Dibromide             | 107 | 10.445    | 10.451        | -0.006        | 99  | 1680441  | 25.0         | 25.1           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.890    | 10.890        | 0.000         | 85  | 2048855  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.902    | 10.902        | 0.000         | 98  | 3269970  | 25.0         | 25.1           |       |
| 109 Chlorobenzene                  | 112 | 10.914    | 10.914        | 0.000         | 96  | 6733799  | 25.0         | 24.1           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.000    | 11.000        | 0.000         | 96  | 2402856  | 25.0         | 24.9           |       |
| 112 Ethylbenzene                   | 91  | 11.006    | 11.006        | 0.000         | 98  | 11666486 | 25.0         | 25.1           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.116    | 11.122        | -0.006        | 93  | 9119026  | 50.0         | 50.4           | e     |
| S 110 Xylenes, Total               | 106 |           |               |               | 0   |          |              | 76.4           |       |
| 114 o-Xylene                       | 106 | 11.457    | 11.457        | 0.000         | 97  | 4504679  | 25.0         | 26.0           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 115 Styrene                        | 104 | 11.469    | 11.469        | 0.000         | 95 | 7493215  | 25.0         | 27.7           |       |
| 116 Bromoform                      | 173 | 11.628    | 11.628        | 0.000         | 97 | 1384685  | 25.0         | 26.9           |       |
| 117 Isopropylbenzene               | 105 | 11.756    | 11.756        | 0.000         | 96 | 10299232 | 25.0         | 25.8           |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.902    | 11.902        | 0.000         | 91 | 1018318  | 10.0         | 10.3           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.006    | 12.006        | 0.000         | 92 | 2379856  | 25.0         | 23.9           |       |
| 122 Bromobenzene                   | 156 | 12.018    | 12.018        | 0.000         | 96 | 2907571  | 25.0         | 24.4           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.030    | 12.030        | 0.000         | 92 | 6414948  | 250.0        | 290.7          |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.048    | 12.048        | 0.000         | 82 | 637616   | 25.0         | 23.7           |       |
| 125 N-Propylbenzene                | 91  | 12.085    | 12.091        | -0.006        | 98 | 12937524 | 25.0         | 23.1           | e     |
| 126 2-Chlorotoluene                | 126 | 12.164    | 12.164        | 0.000         | 97 | 2881174  | 25.0         | 24.1           |       |
| 127 1,3,5-Trimethylbenzene         | 105 | 12.225    | 12.225        | 0.000         | 94 | 9996943  | 25.0         | 25.1           |       |
| 128 4-Chlorotoluene                | 126 | 12.256    | 12.255        | 0.001         | 97 | 3029367  | 25.0         | 24.8           |       |
| 129 tert-Butylbenzene              | 134 | 12.469    | 12.469        | 0.000         | 93 | 2341570  | 25.0         | 25.1           |       |
| 130 Pentachloroethane              | 167 | 12.499    | 12.499        | 0.000         | 94 | 1834823  | 25.0         | 25.4           |       |
| 131 1,2,4-Trimethylbenzene         | 105 | 12.512    | 12.512        | 0.000         | 97 | 10331534 | 25.0         | 25.7           |       |
| 132 sec-Butylbenzene               | 105 | 12.627    | 12.633        | -0.006        | 95 | 12362120 | 25.0         | 23.8           | e     |
| 133 1,3-Dichlorobenzene            | 146 | 12.725    | 12.725        | 0.000         | 98 | 5693507  | 25.0         | 25.0           |       |
| 134 4-Isopropyltoluene             | 119 | 12.737    | 12.737        | 0.000         | 96 | 11301809 | 25.0         | 25.9           | e     |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.786    | 12.786        | 0.000         | 93 | 1219190  | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 | 12.804    | 12.804        | 0.000         | 93 | 5796258  | 25.0         | 23.6           |       |
| 137 1,2,3-Trimethylbenzene         | 120 | 12.810    | 12.810        | 0.000         | 98 | 4721333  | 25.0         | 24.8           |       |
| 138 Benzyl chloride                | 126 | 12.877    | 12.877        | 0.000         | 99 | 988599   | 25.0         | 28.1           |       |
| 139 n-Butylbenzene                 | 92  | 13.030    | 13.030        | 0.000         | 97 | 5954848  | 25.0         | 26.8           |       |
| 140 1,2-Dichlorobenzene            | 146 | 13.060    | 13.060        | 0.000         | 98 | 5353962  | 25.0         | 24.3           |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 | 13.603    | 13.603        | 0.000         | 87 | 363600   | 25.0         | 27.1           |       |
| 143 1,3,5-Trichlorobenzene         | 180 | 13.725    | 13.725        | 0.000         | 97 | 4258260  | 25.0         | 25.6           |       |
| 144 1,2,4-Trichlorobenzene         | 180 | 14.145    | 14.145        | 0.000         | 94 | 3629811  | 25.0         | 26.7           |       |
| 145 Hexachlorobutadiene            | 225 | 14.231    | 14.231        | 0.000         | 98 | 1657265  | 25.0         | 25.4           |       |
| 146 Naphthalene                    | 128 | 14.322    | 14.322        | 0.000         | 97 | 7218984  | 25.0         | 27.3           |       |
| 147 1,2,3-Trichlorobenzene         | 180 | 14.469    | 14.468        | 0.000         | 96 | 3238162  | 25.0         | 26.2           |       |
| 156 p-Diethylbenzene               | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol              | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane       | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                        | 43  |           | 0.000         |               |    |          | ND           | ND             |       |

### QC Flag Legend

#### Processing Flags

ND - Not Detected or Marked ND

e - Potential Peak Saturated

#### Review Flags

M - Manually Integrated

### Reagents:

MSV\_LL\_#1\_826\_00162

Amount Added: 25.00

Units: uL

MSV\_LL\_#2\_826\_00172

Amount Added: 25.00

Units: uL

MSV\_LL\_GAS826\_00262

Amount Added: 25.00

Units: uL

MSV\_LLcentISS\_00016

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 19-Mar-2025 10:17:29

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D

Injection Date: 17-Mar-2025 21:31:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: IC std8

Worklist Smp#: 20

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

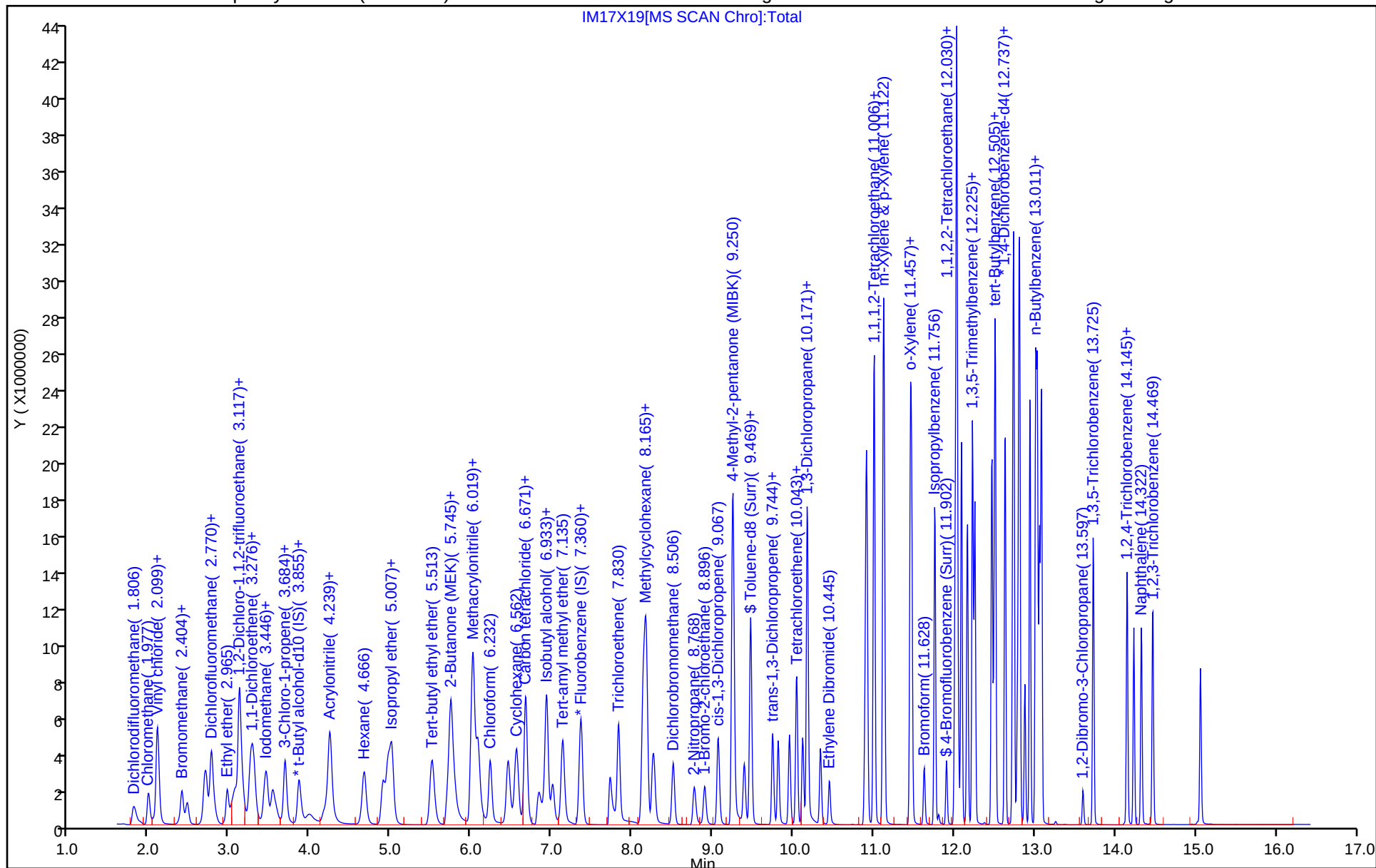
ALS Bottle#: 19

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1





## Eurofins Lancaster Laboratories Environment Testing, LLC

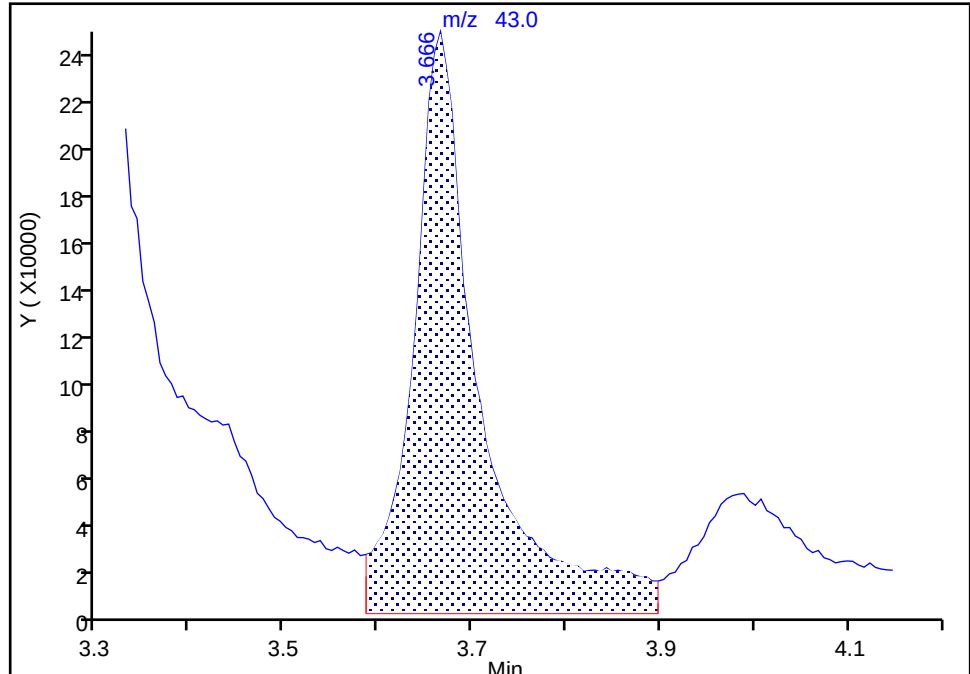
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Injection Date: 17-Mar-2025 21:31:30 Instrument ID: 19930  
Lims ID: IC std8  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**23 Methyl acetate, CAS: 79-20-9**

Signal: 1

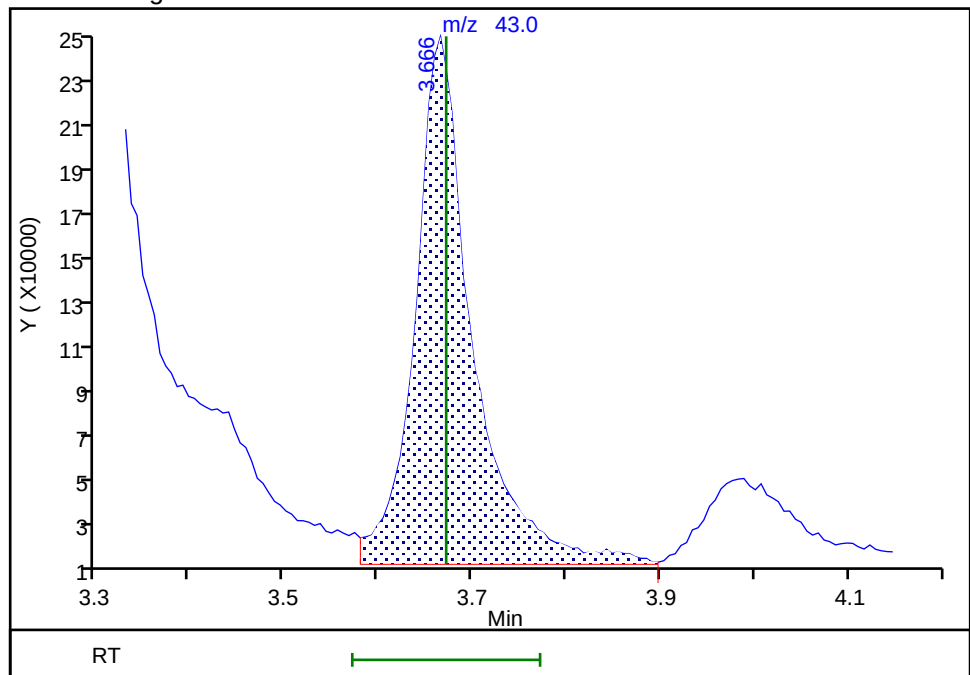
RT: 3.67  
Area: 1180601  
Amount: 25.015929  
Amount Units: ug/l

## Processing Integration Results



RT: 3.67  
Area: 938012  
Amount: 27.111596  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:25:52 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration



## Eurofins Lancaster Laboratories Environment Testing, LLC

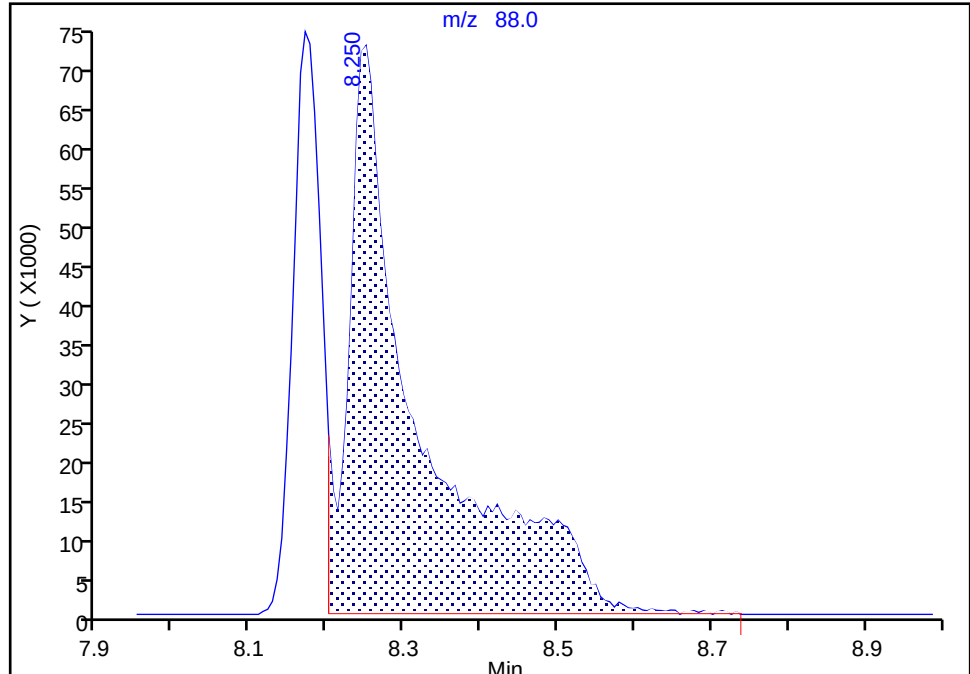
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Injection Date: 17-Mar-2025 21:31:30 Instrument ID: 19930  
Lims ID: IC std8  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 19 Worklist Smp#: 20  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**68 1,4-Dioxane, CAS: 123-91-1**

Signal: 1

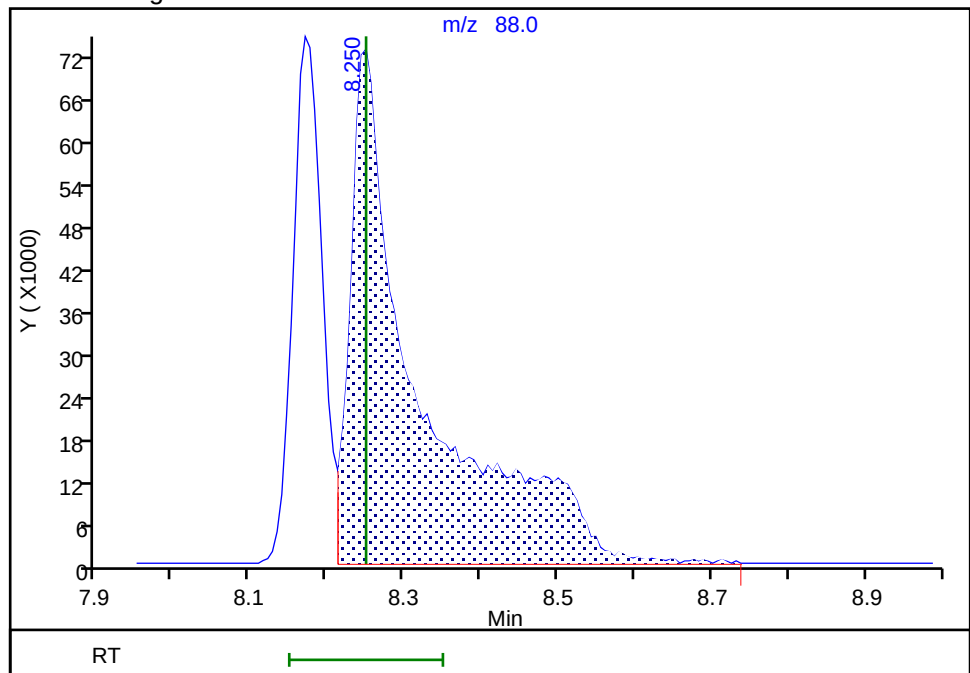
RT: 8.25  
Area: 470601  
Amount: 1149.1851  
Amount Units: ug/l

## Processing Integration Results



RT: 8.25  
Area: 456429  
Amount: 1214.3581  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 08:26:08 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Incomplete Integration

## Calibration

/ Dichlorodifluoromethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

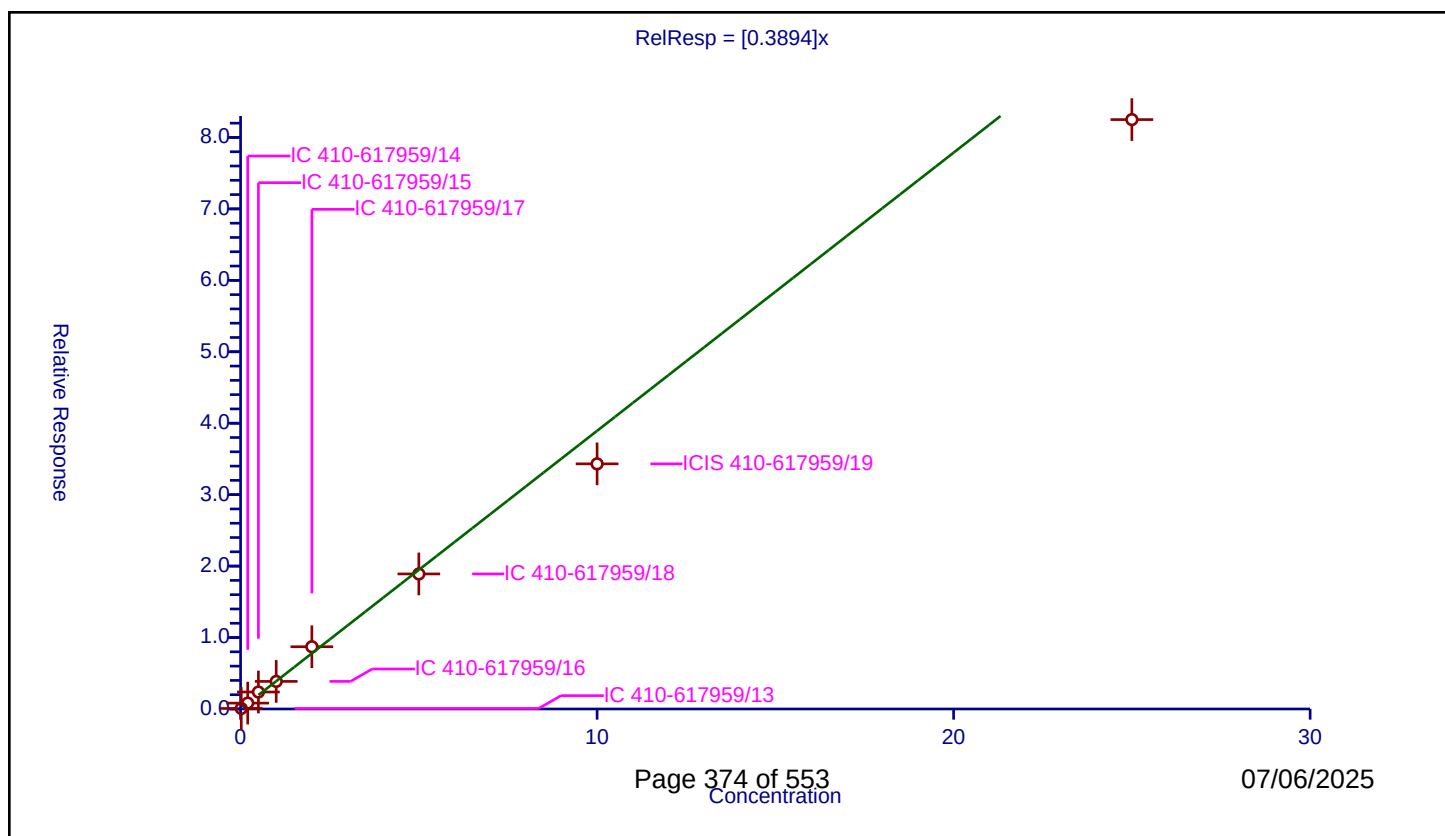
## Curve Coefficients

Intercept: 0  
Slope: 0.3894

## Error Coefficients

Relative Standard Deviation: 12.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.007095   | 10.0      | 1835182.0   | 0.354733 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.082399   | 10.0      | 2130985.0   | 0.411993 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.237542   | 10.0      | 1902526.0   | 0.475084 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.386212   | 10.0      | 2216451.0   | 0.386212 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 0.871288   | 10.0      | 1948679.0   | 0.435644 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 1.890194   | 10.0      | 2375608.0   | 0.378039 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 3.431373   | 10.0      | 2528151.0   | 0.343137 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 8.249987   | 10.0      | 2691008.0   | 0.329999 | Y    |



## Calibration

/ Chloromethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

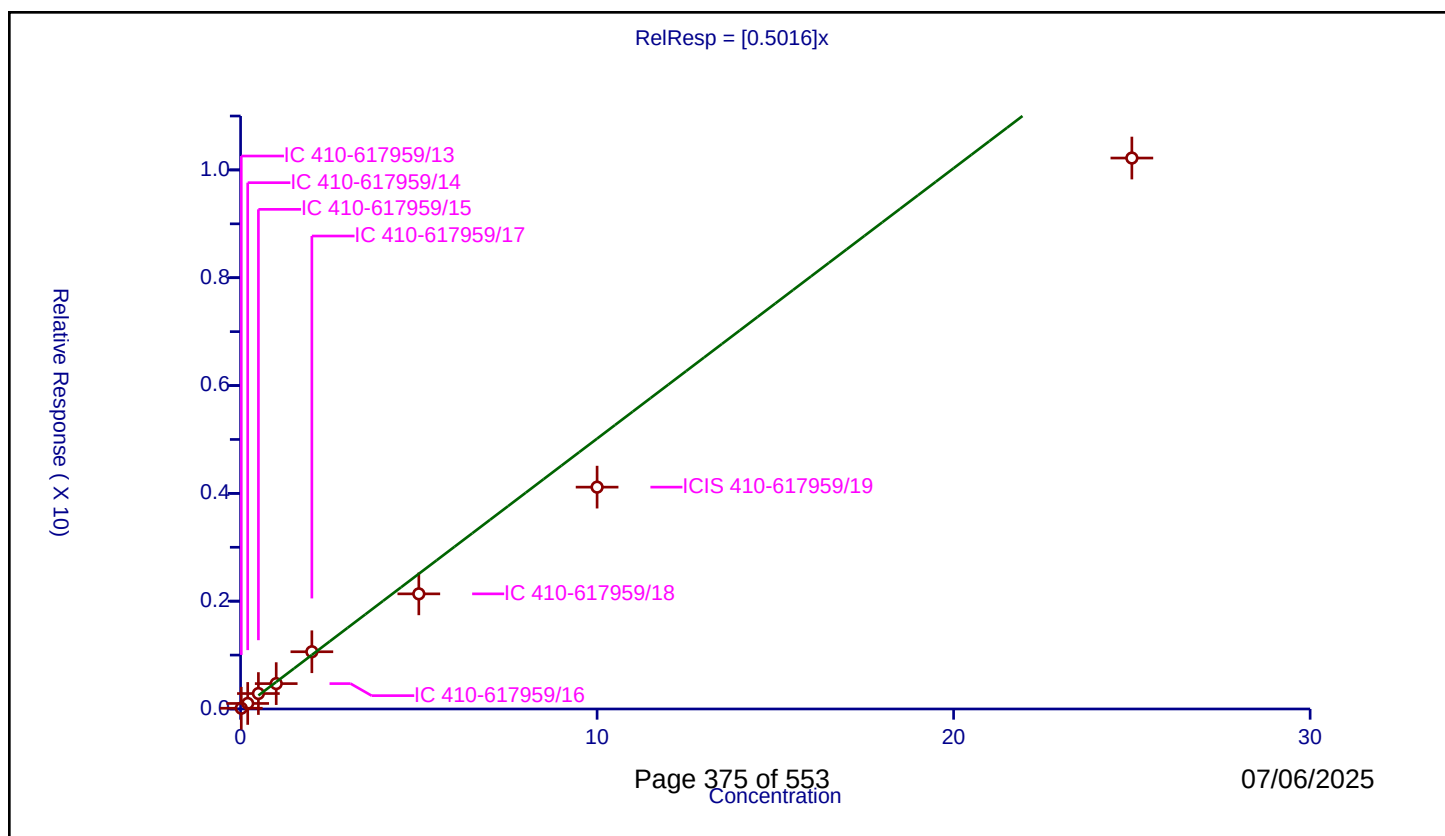
## Curve Coefficients

Intercept: 0  
Slope: 0.5016

## Error Coefficients

Relative Standard Deviation: 18.4

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.013508   | 10.0      | 1835182.0   | 0.67541  | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.102863   | 10.0      | 2130985.0   | 0.514316 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.286745   | 10.0      | 1902526.0   | 0.57349  | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.470856   | 10.0      | 2216451.0   | 0.470856 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 1.061653   | 10.0      | 1948679.0   | 0.530826 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 2.135971   | 10.0      | 2375608.0   | 0.427194 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 4.115395   | 10.0      | 2528151.0   | 0.41154  | Y    |
| 8  | IC 410-617959/20   | 25.0          | 10.220248  | 10.0      | 2691008.0   | 0.40881  | Y    |



## Calibration

/ Butadiene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

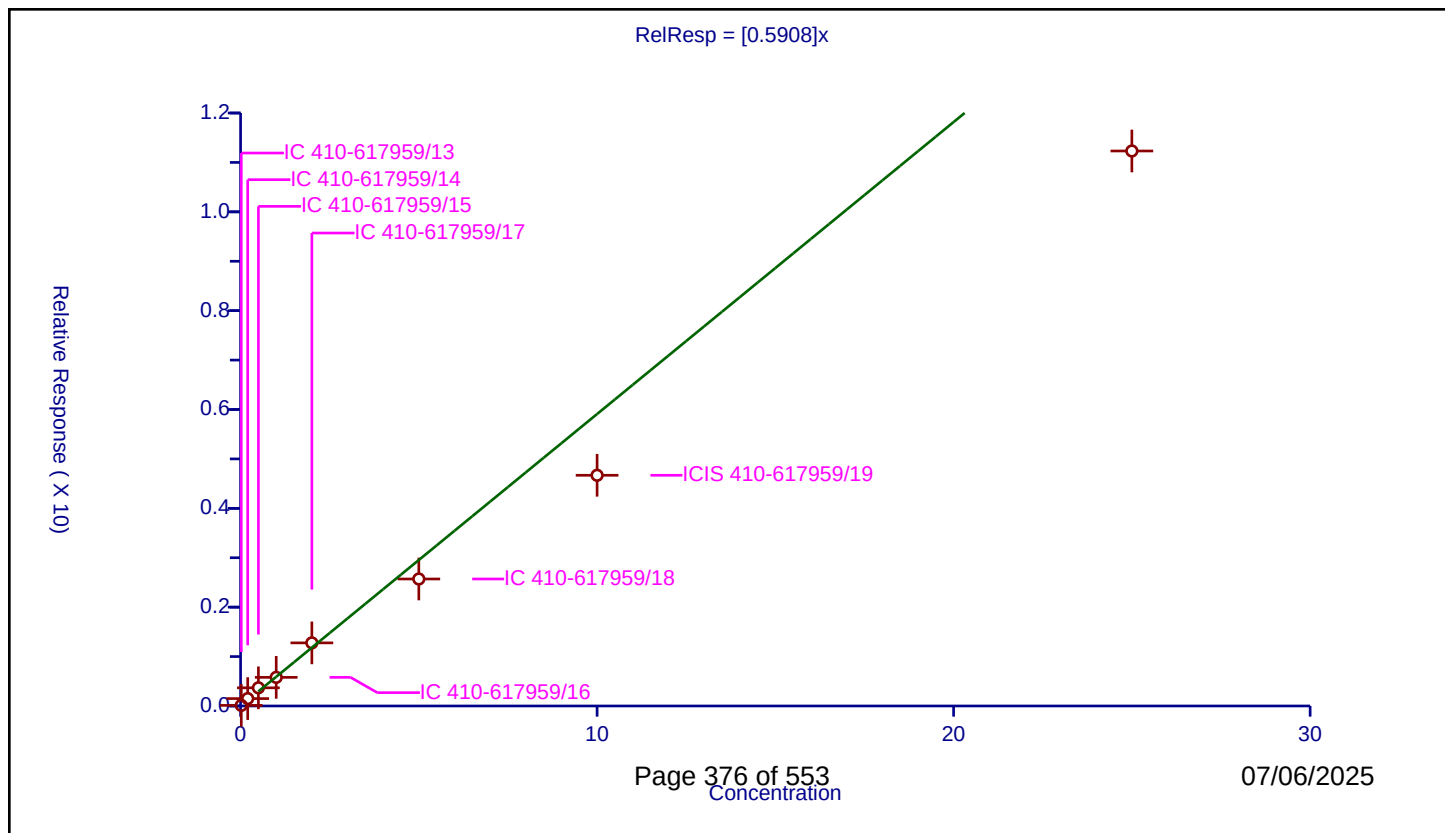
## Curve Coefficients

Intercept: 0  
Slope: 0.5908

## Error Coefficients

Relative Standard Deviation: 19.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.011901   | 10.0      | 1835182.0   | 0.595036 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.149654   | 10.0      | 2130985.0   | 0.748269 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.367695   | 10.0      | 1902526.0   | 0.735391 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.579413   | 10.0      | 2216451.0   | 0.579413 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 1.27685    | 10.0      | 1948679.0   | 0.638425 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 2.570247   | 10.0      | 2375608.0   | 0.514049 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 4.66872    | 10.0      | 2528151.0   | 0.466872 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 11.231509  | 10.0      | 2691008.0   | 0.44926  | Y    |



## Calibration

/ Vinyl chloride

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

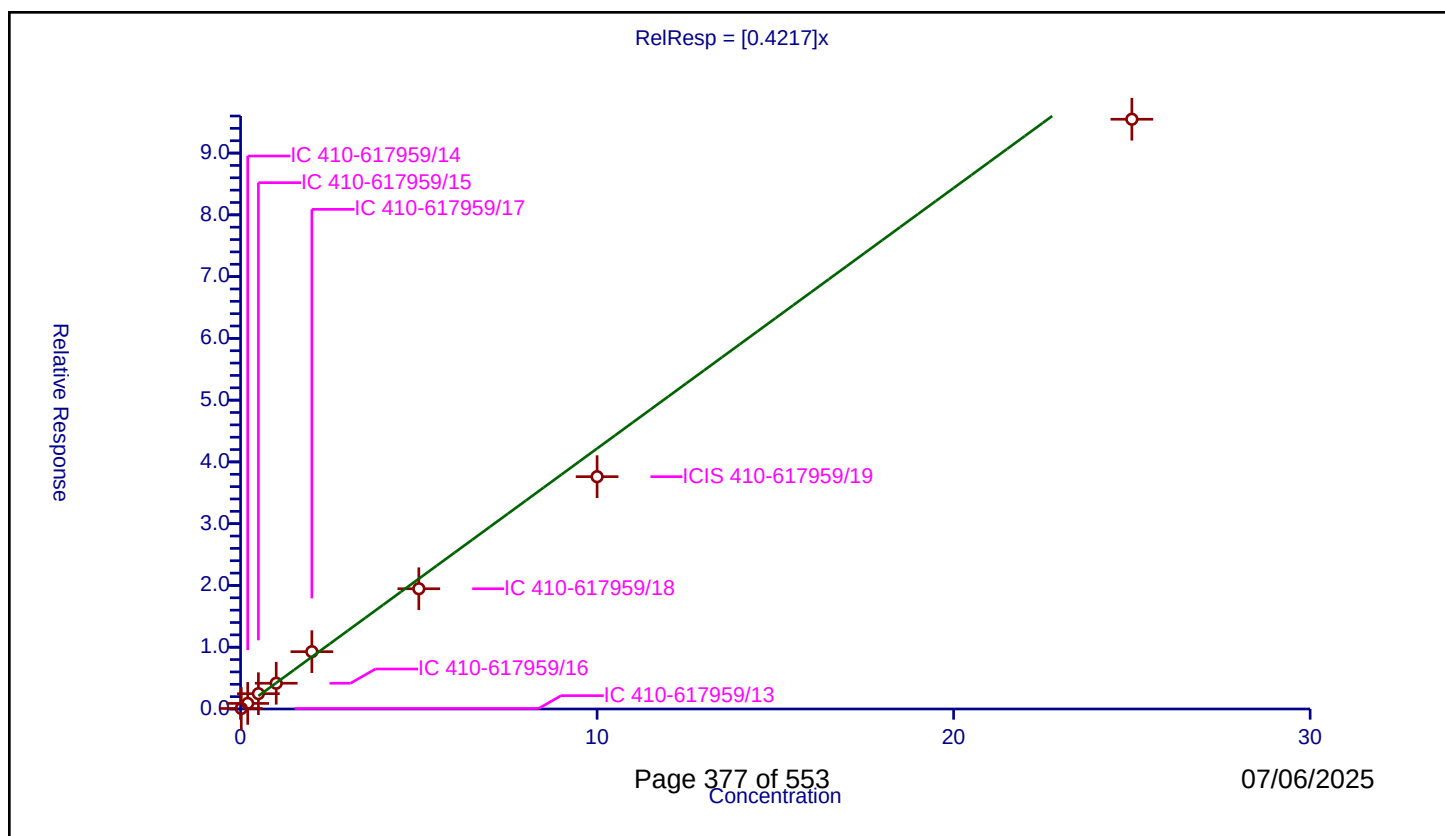
## Curve Coefficients

Intercept: 0  
Slope: 0.4217

## Error Coefficients

Relative Standard Deviation: 10.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.007923   | 10.0      | 1835182.0   | 0.396146 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.090545   | 10.0      | 2130985.0   | 0.452725 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.248049   | 10.0      | 1902526.0   | 0.496098 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.417004   | 10.0      | 2216451.0   | 0.417004 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 0.928157   | 10.0      | 1948679.0   | 0.464078 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 1.946942   | 10.0      | 2375608.0   | 0.389388 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 3.761021   | 10.0      | 2528151.0   | 0.376102 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 9.547965   | 10.0      | 2691008.0   | 0.381919 | Y    |



# Calibration

/ Bromomethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

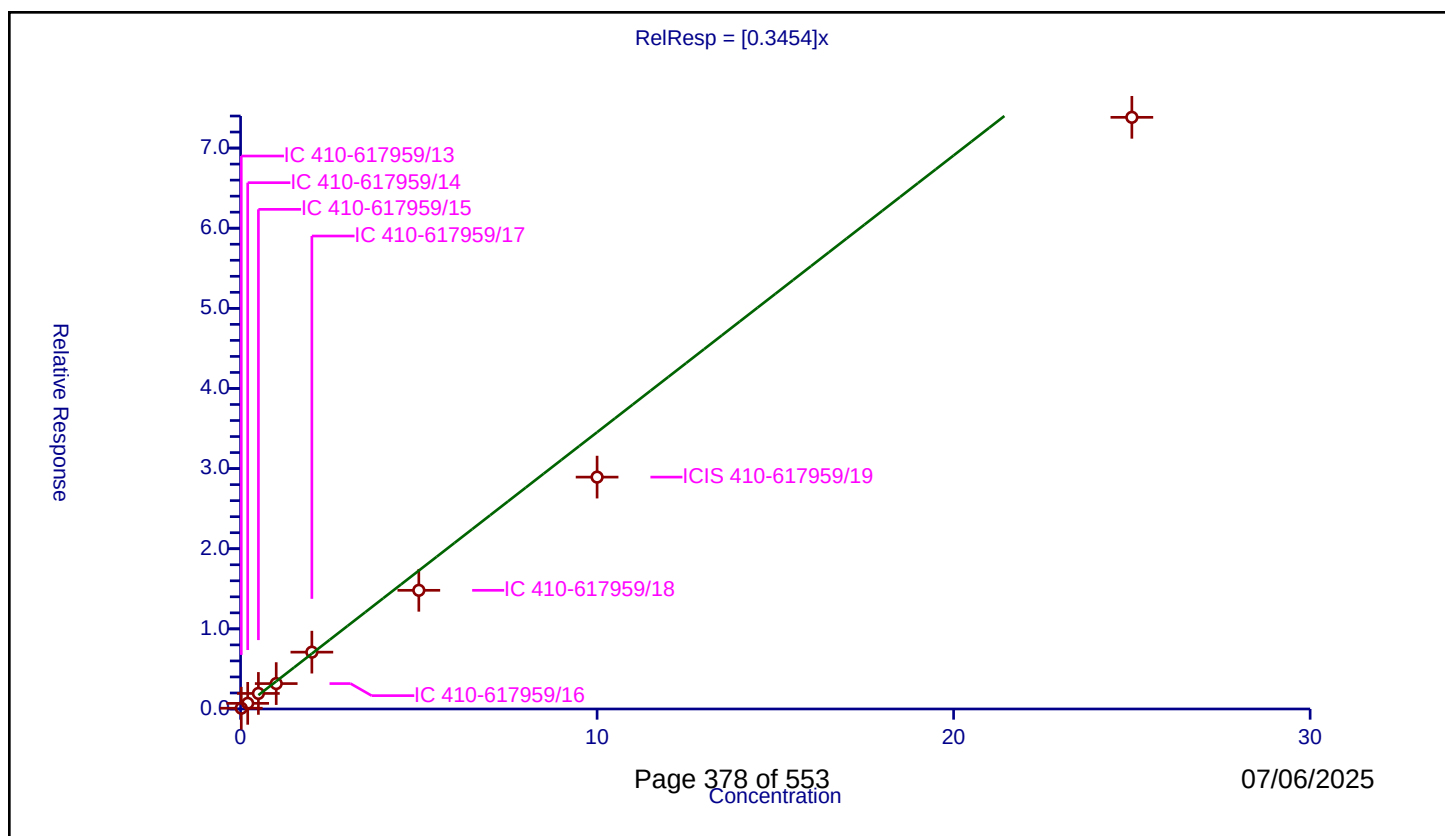
## Curve Coefficients

Intercept: 0  
 Slope: 0.3454

## Error Coefficients

Relative Standard Deviation: 17.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.009394   | 10.0      | 1835182.0   | 0.469708 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.070479   | 10.0      | 2130985.0   | 0.352396 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.194268   | 10.0      | 1902526.0   | 0.388536 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.316984   | 10.0      | 2216451.0   | 0.316984 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 0.70928    | 10.0      | 1948679.0   | 0.35464  | Y    |
| 6  | IC 410-617959/18   | 5.0           | 1.480935   | 10.0      | 2375608.0   | 0.296187 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 2.893771   | 10.0      | 2528151.0   | 0.289377 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 7.383742   | 10.0      | 2691008.0   | 0.29535  | Y    |



# Calibration

/ Chloroethane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

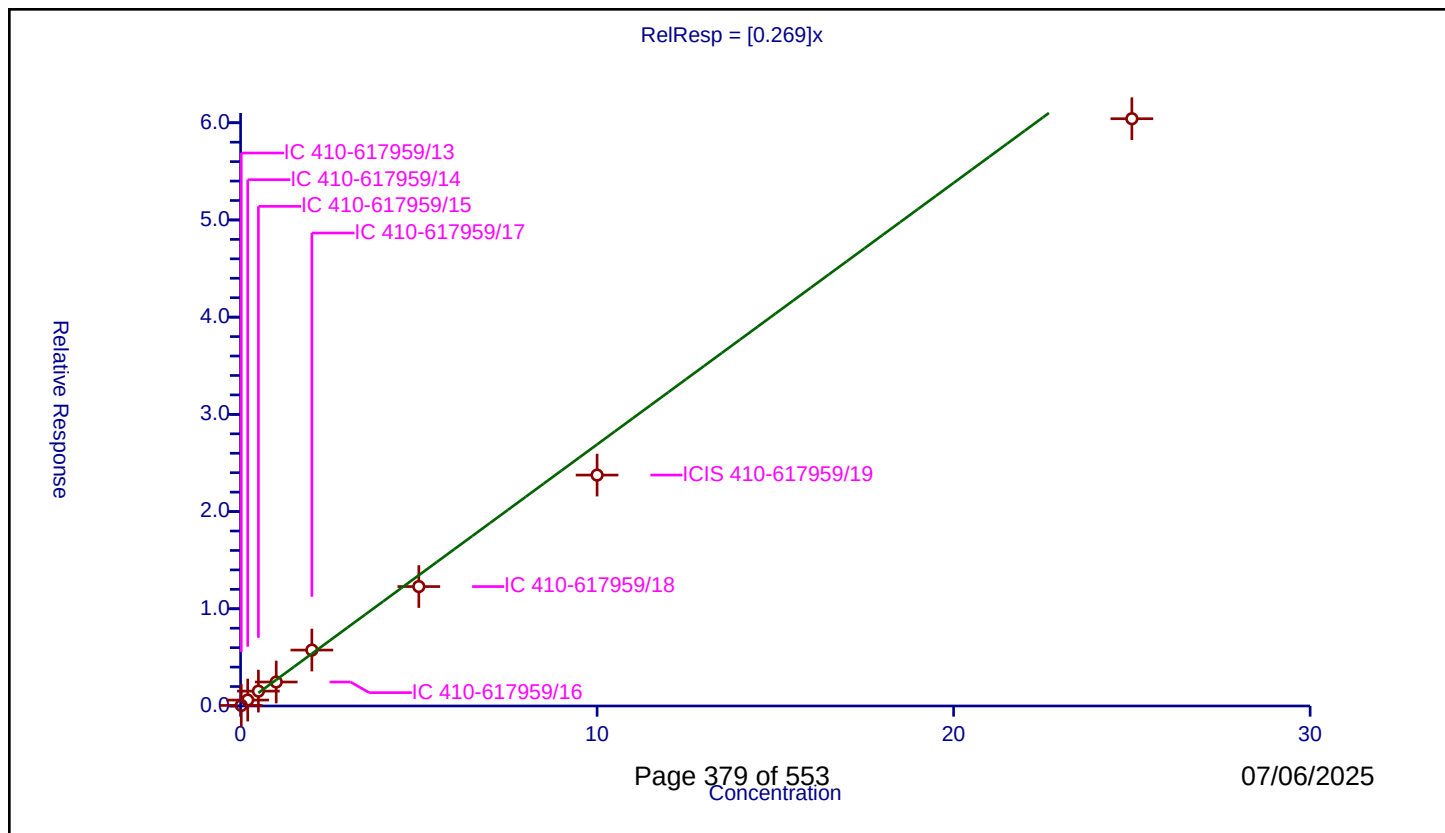
## Curve Coefficients

Intercept: 0  
 Slope: 0.269

## Error Coefficients

Relative Standard Deviation: 10.9

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.005634   | 10.0      | 1835182.0   | 0.281716 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.061066   | 10.0      | 2130985.0   | 0.305328 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.152928   | 10.0      | 1902526.0   | 0.305857 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.246737   | 10.0      | 2216451.0   | 0.246737 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 0.575503   | 10.0      | 1948679.0   | 0.287751 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 1.228667   | 10.0      | 2375608.0   | 0.245733 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 2.375372   | 10.0      | 2528151.0   | 0.237537 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 6.041272   | 10.0      | 2691008.0   | 0.241651 | Y    |



## Calibration

/ Dichlorofluoromethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

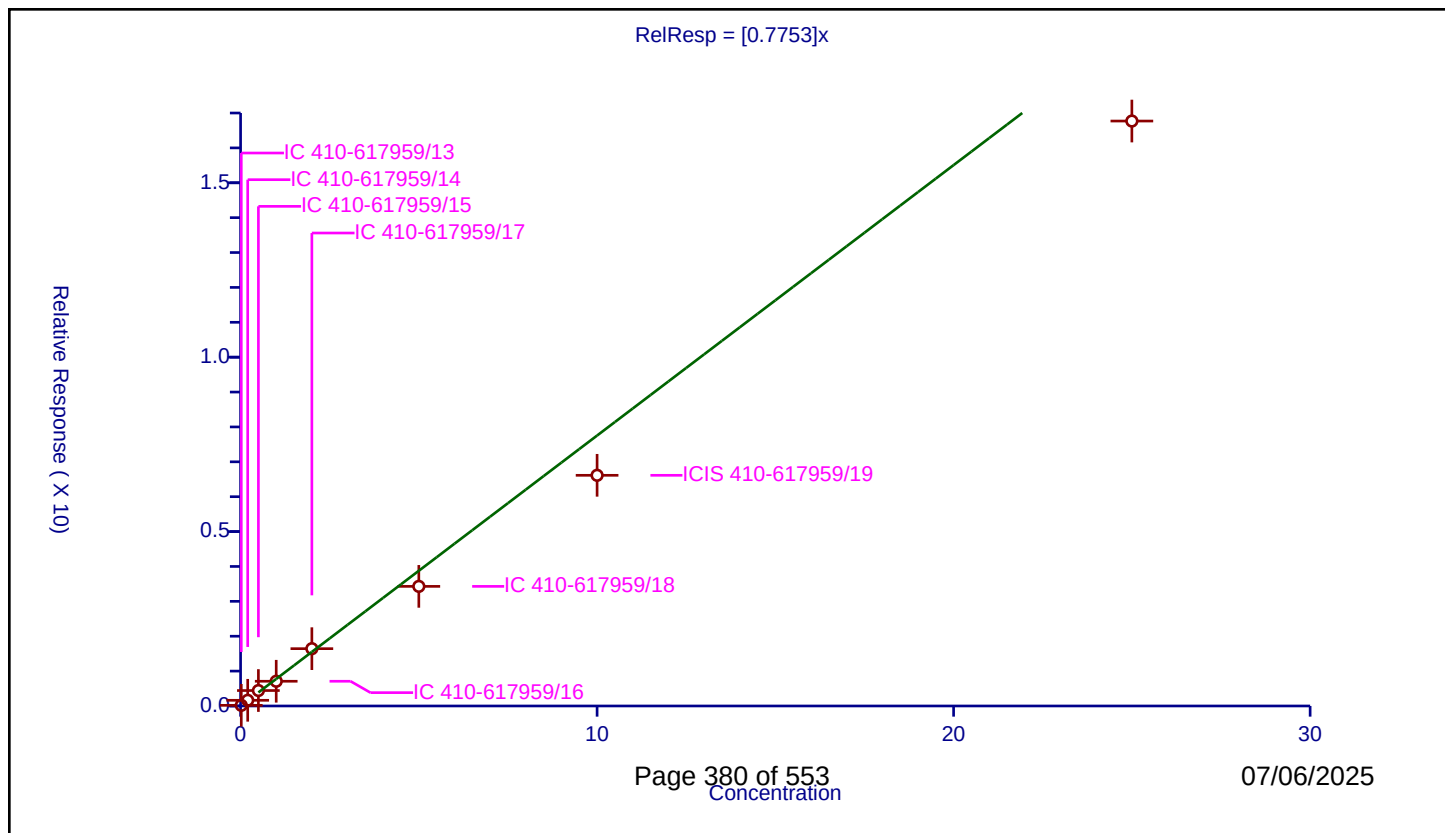
## Curve Coefficients

Intercept: 0  
Slope: 0.7753

## Error Coefficients

Relative Standard Deviation: 14.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.019023   | 10.0      | 1835182.0   | 0.951132 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.163511   | 10.0      | 2130985.0   | 0.817556 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.44279    | 10.0      | 1902526.0   | 0.885581 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.708755   | 10.0      | 2216451.0   | 0.708755 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 1.643303   | 10.0      | 1948679.0   | 0.821651 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 3.429543   | 10.0      | 2375608.0   | 0.685909 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 6.613608   | 10.0      | 2528151.0   | 0.661361 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 16.769828  | 10.0      | 2691008.0   | 0.670793 | Y    |





## Calibration

/ Trichlorofluoromethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

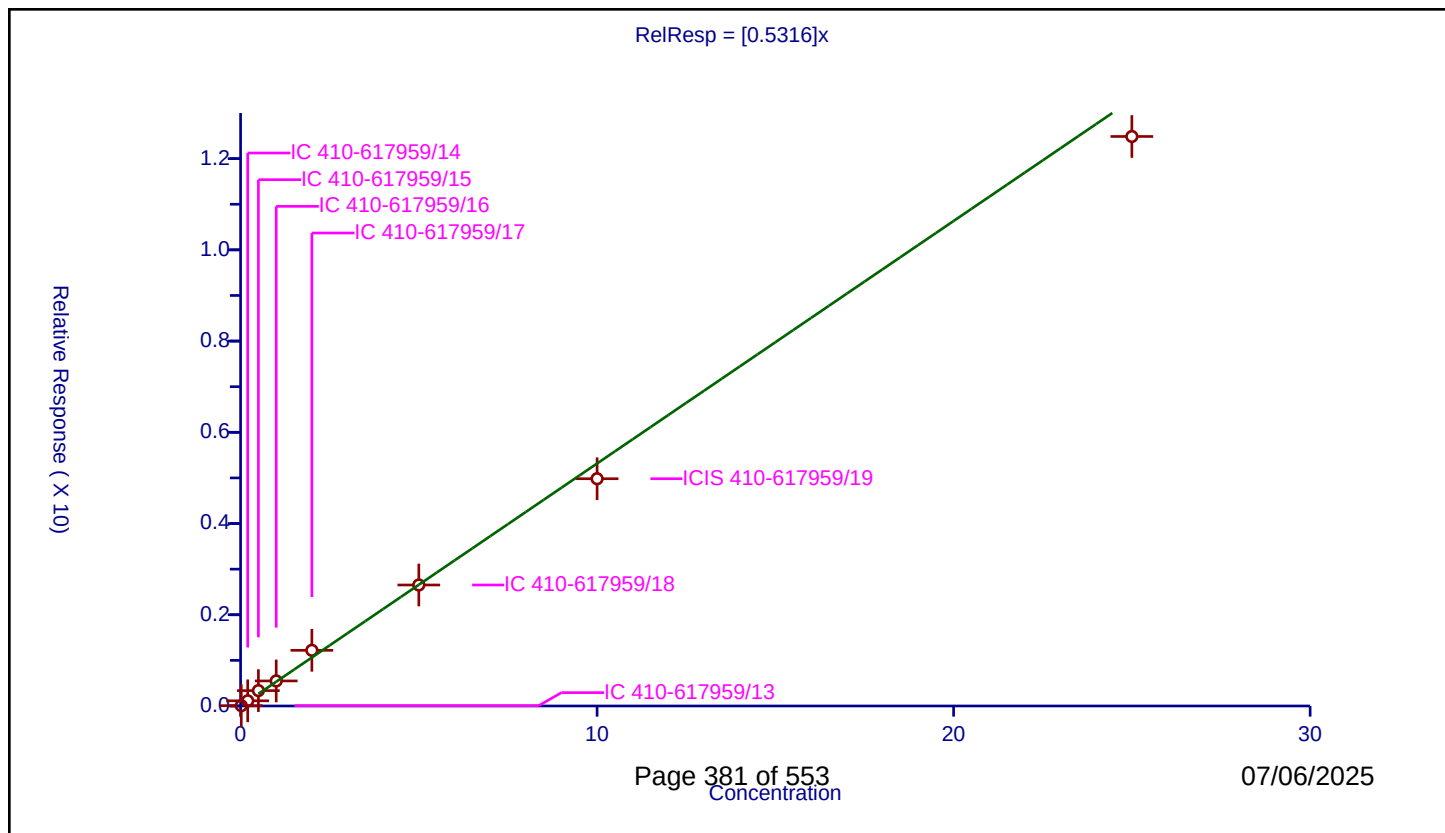
## Curve Coefficients

Intercept: 0  
Slope: 0.5316

## Error Coefficients

Relative Standard Deviation: 19.4

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.006446   | 10.0      | 1835182.0   | 0.322311 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.113778   | 10.0      | 2130985.0   | 0.568892 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.337057   | 10.0      | 1902526.0   | 0.674114 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.549419   | 10.0      | 2216451.0   | 0.549419 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 1.220345   | 10.0      | 1948679.0   | 0.610172 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 2.652765   | 10.0      | 2375608.0   | 0.530553 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 4.982491   | 10.0      | 2528151.0   | 0.498249 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 12.485455  | 10.0      | 2691008.0   | 0.499418 | Y    |



# Calibration

/ Ethyl ether

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

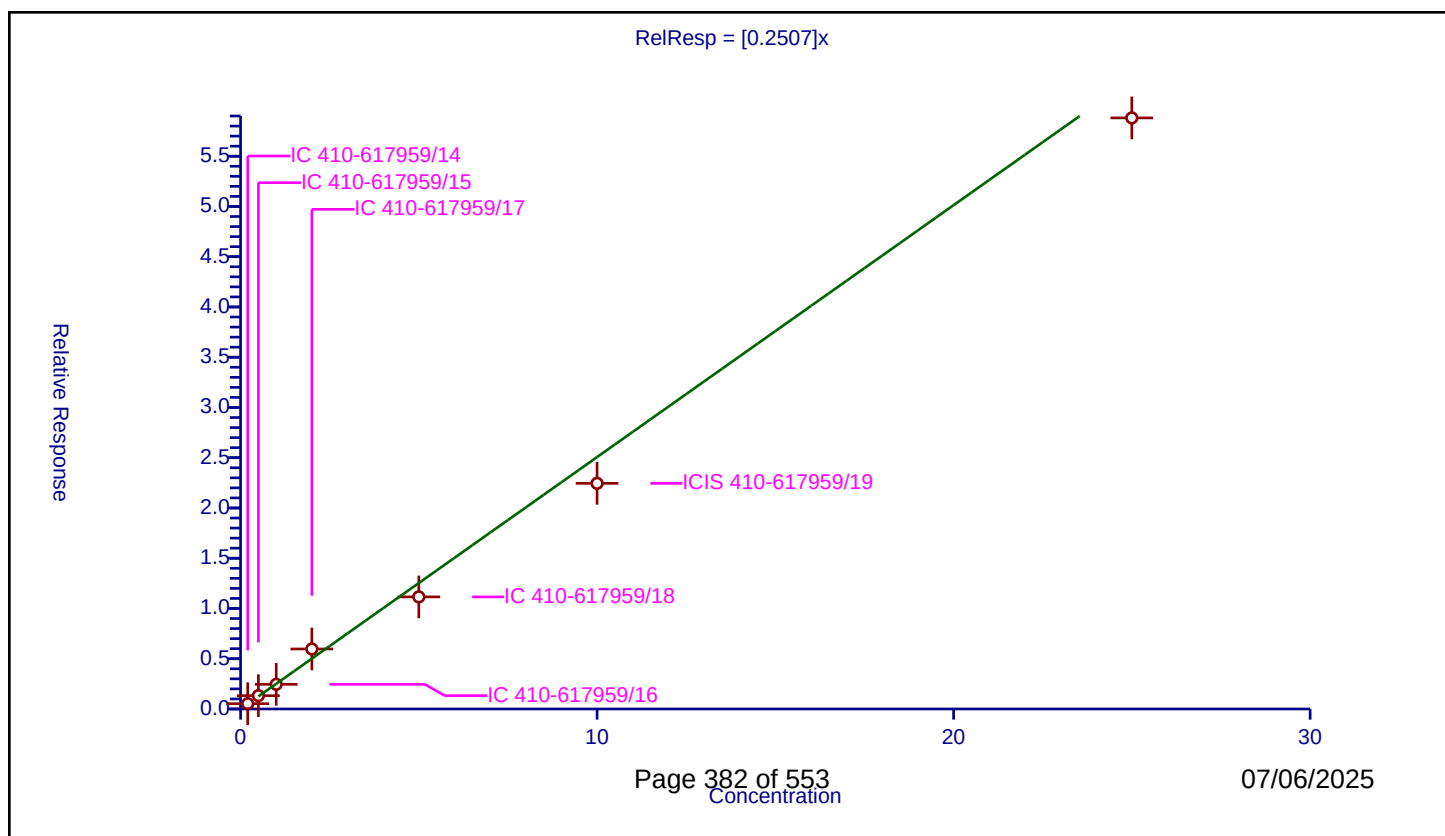
## Curve Coefficients

Intercept: 0  
 Slope: 0.2507

## Error Coefficients

Relative Standard Deviation: 10.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.199986      | 0.052567   | 10.0      | 2130985.0   | 0.262854 | Y    |
| 2  | IC 410-617959/15   | 0.499966      | 0.132335   | 10.0      | 1902526.0   | 0.264687 | Y    |
| 3  | IC 410-617959/16   | 0.999932      | 0.245546   | 10.0      | 2216451.0   | 0.245562 | Y    |
| 4  | IC 410-617959/17   | 1.999864      | 0.59723    | 10.0      | 1948679.0   | 0.298635 | Y    |
| 5  | IC 410-617959/18   | 4.99966       | 1.115243   | 10.0      | 2375608.0   | 0.223064 | Y    |
| 6  | ICIS 410-617959/19 | 9.99932       | 2.245099   | 10.0      | 2528151.0   | 0.224525 | Y    |
| 7  | IC 410-617959/20   | 24.9983       | 5.881075   | 10.0      | 2691008.0   | 0.235259 | Y    |



Calibration

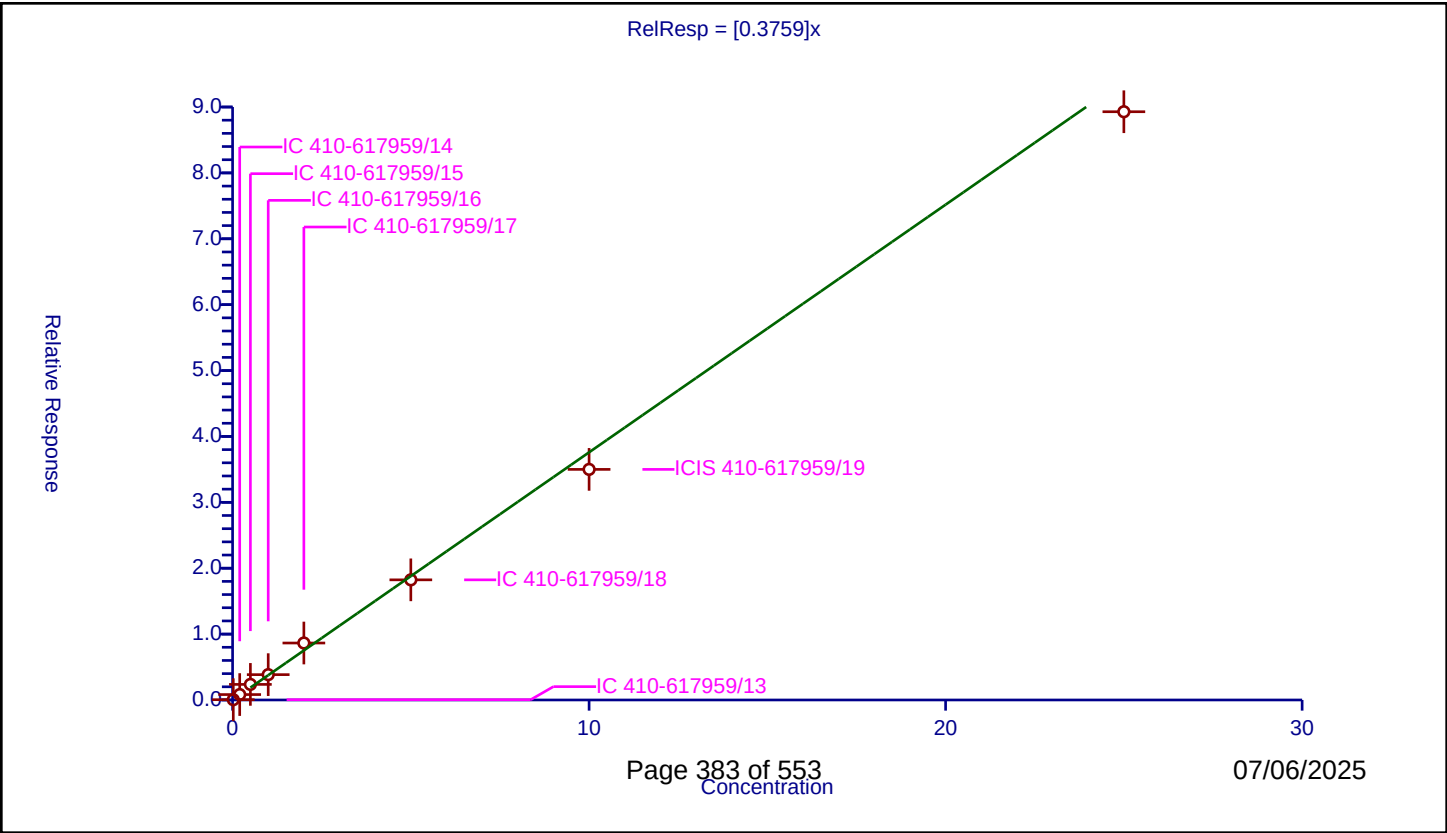
/ 1,2-Dichloro-1,1,2-trifluoroethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |        |
|--------------------|--------|
| Intercept:         | 0      |
| Slope:             | 0.3759 |
| Error Coefficients |        |

Relative Standard Deviation: 19.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.004637   | 10.0      | 1835182.0   | 0.231857 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.082544   | 10.0      | 2130985.0   | 0.41272  | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.236738   | 10.0      | 1902526.0   | 0.473476 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.384831   | 10.0      | 2216451.0   | 0.384831 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 0.864832   | 10.0      | 1948679.0   | 0.432416 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 1.823382   | 10.0      | 2375608.0   | 0.364676 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 3.500171   | 10.0      | 2528151.0   | 0.350017 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 8.928461   | 10.0      | 2691008.0   | 0.357138 | Y    |



## Calibration

/ Acrolein

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

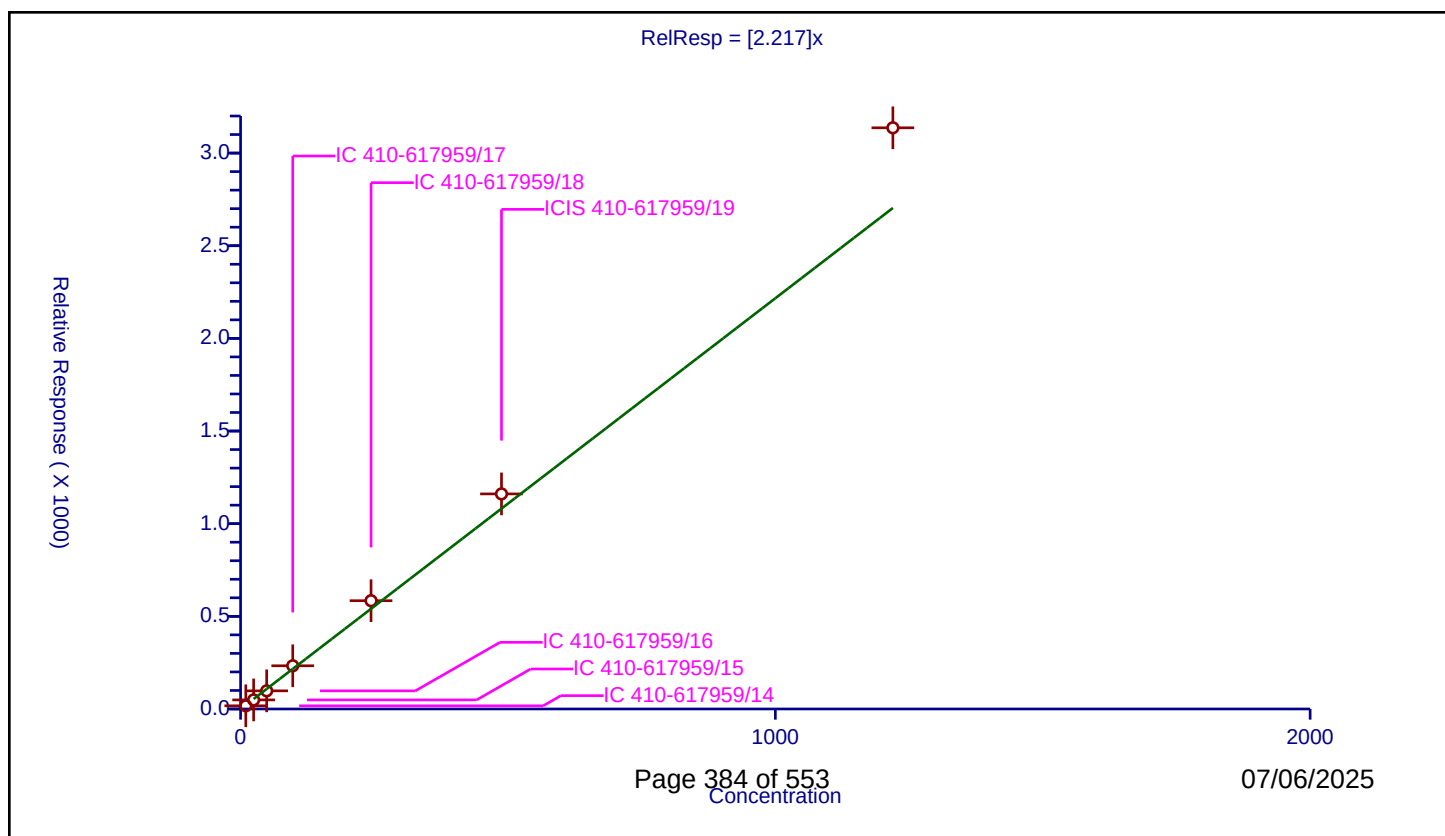
## Curve Coefficients

Intercept: 0  
Slope: 2.217

## Error Coefficients

Relative Standard Deviation: 13.1

| ID | Level              | Concentration | Rel. Resp.  | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|-------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 9.758146      | 17.238691   | 50.0      | 173186.0    | 1.766595 | Y    |
| 2  | IC 410-617959/15   | 24.395365     | 48.967943   | 50.0      | 150234.0    | 2.007264 | Y    |
| 3  | IC 410-617959/16   | 48.790731     | 97.878687   | 50.0      | 176683.0    | 2.006092 | Y    |
| 4  | IC 410-617959/17   | 97.581461     | 233.232465  | 50.0      | 155813.0    | 2.390131 | Y    |
| 5  | IC 410-617959/18   | 243.953653    | 584.358299  | 50.0      | 177762.0    | 2.395366 | Y    |
| 6  | ICIS 410-617959/19 | 487.907307    | 1160.647305 | 50.0      | 197604.0    | 2.378827 | Y    |
| 7  | IC 410-617959/20   | 1219.768267   | 3136.420116 | 50.0      | 216169.0    | 2.571325 | Y    |



## Calibration

/ 1,1-Dichloroethene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

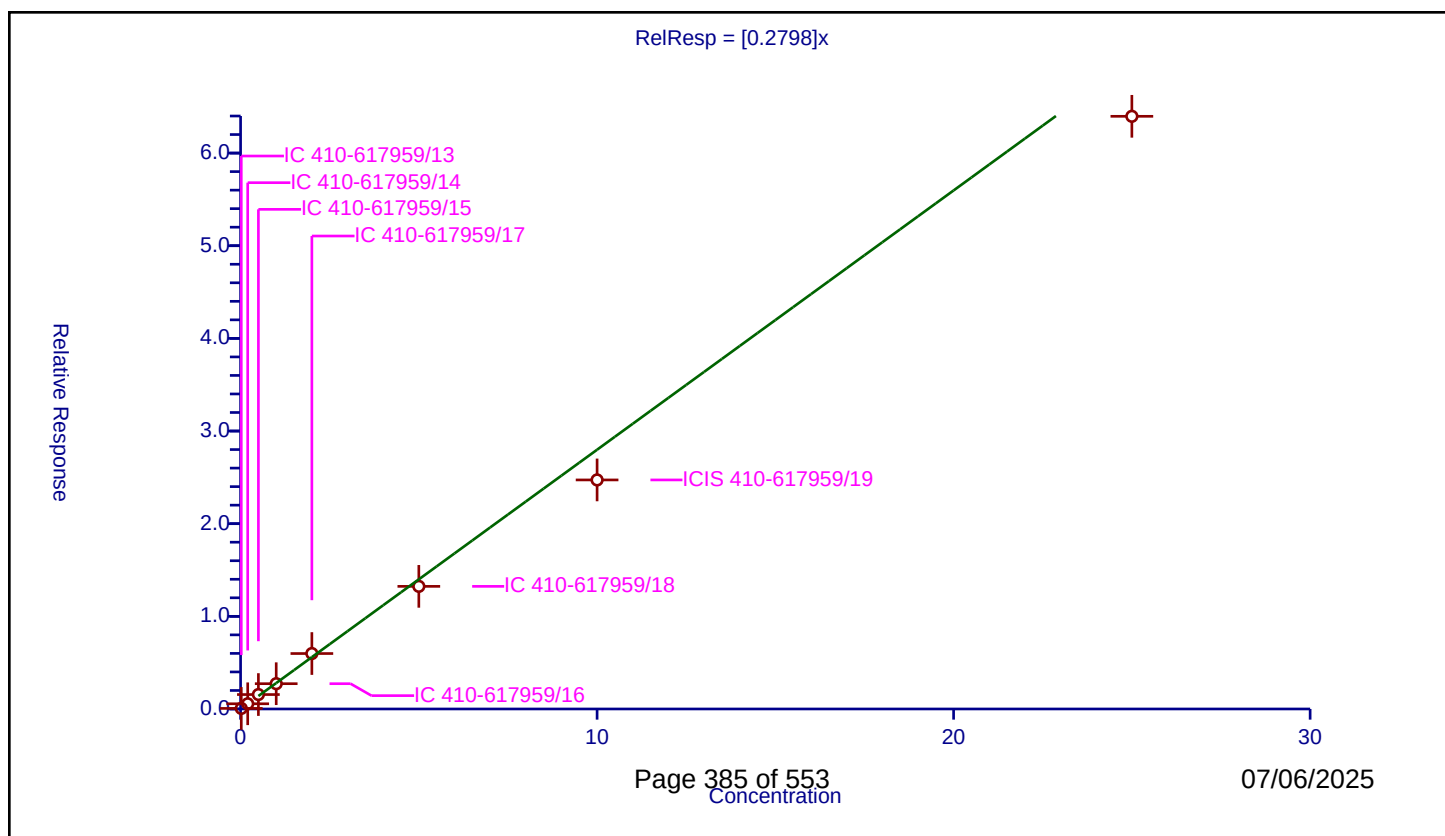
## Curve Coefficients

Intercept: 0  
Slope: 0.2798

## Error Coefficients

Relative Standard Deviation: 8.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.006119   | 10.0      | 1835182.0   | 0.305964 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.056162   | 10.0      | 2130985.0   | 0.280809 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.155872   | 10.0      | 1902526.0   | 0.311743 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.273063   | 10.0      | 2216451.0   | 0.273063 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 0.598647   | 10.0      | 1948679.0   | 0.299323 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 1.323606   | 10.0      | 2375608.0   | 0.264721 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 2.472305   | 10.0      | 2528151.0   | 0.24723  | Y    |
| 8  | IC 410-617959/20   | 25.0          | 6.3967     | 10.0      | 2691008.0   | 0.255868 | Y    |



## Calibration

/ Acetone

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

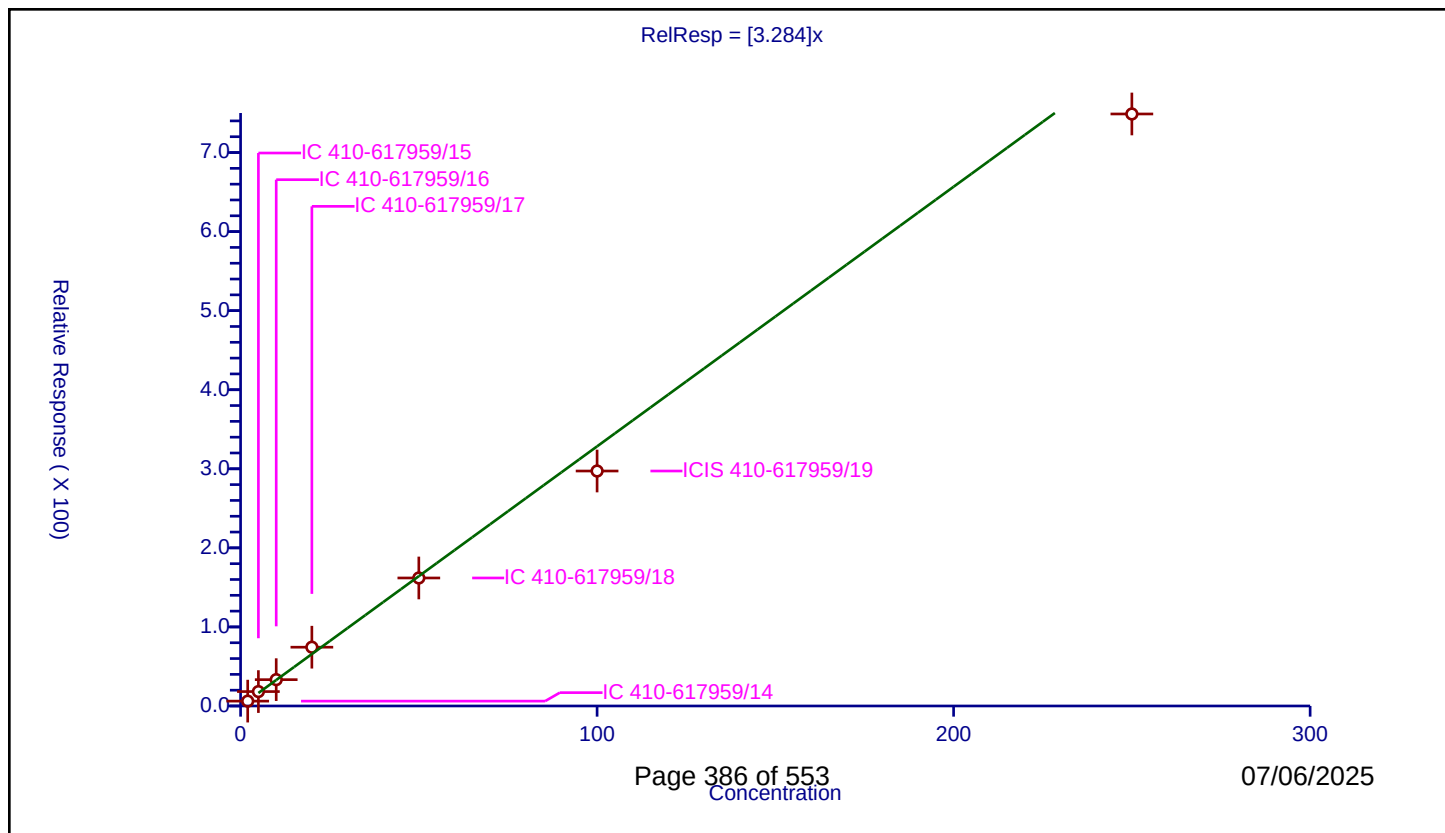
## Curve Coefficients

Intercept: 0  
Slope: 3.284

## Error Coefficients

Relative Standard Deviation: 9.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 2.0           | 6.170822   | 50.0      | 173186.0    | 3.085411 | Y    |
| 2  | IC 410-617959/15   | 5.0           | 18.225901  | 50.0      | 150234.0    | 3.64518  | Y    |
| 3  | IC 410-617959/16   | 10.0          | 33.315316  | 50.0      | 176683.0    | 3.331532 | Y    |
| 4  | IC 410-617959/17   | 20.0          | 74.360933  | 50.0      | 155813.0    | 3.718047 | Y    |
| 5  | IC 410-617959/18   | 50.0          | 161.912276 | 50.0      | 177762.0    | 3.238246 | Y    |
| 6  | ICIS 410-617959/19 | 100.0         | 297.199449 | 50.0      | 197604.0    | 2.971994 | Y    |
| 7  | IC 410-617959/20   | 250.0         | 748.771794 | 50.0      | 216169.0    | 2.995087 | Y    |



Calibration

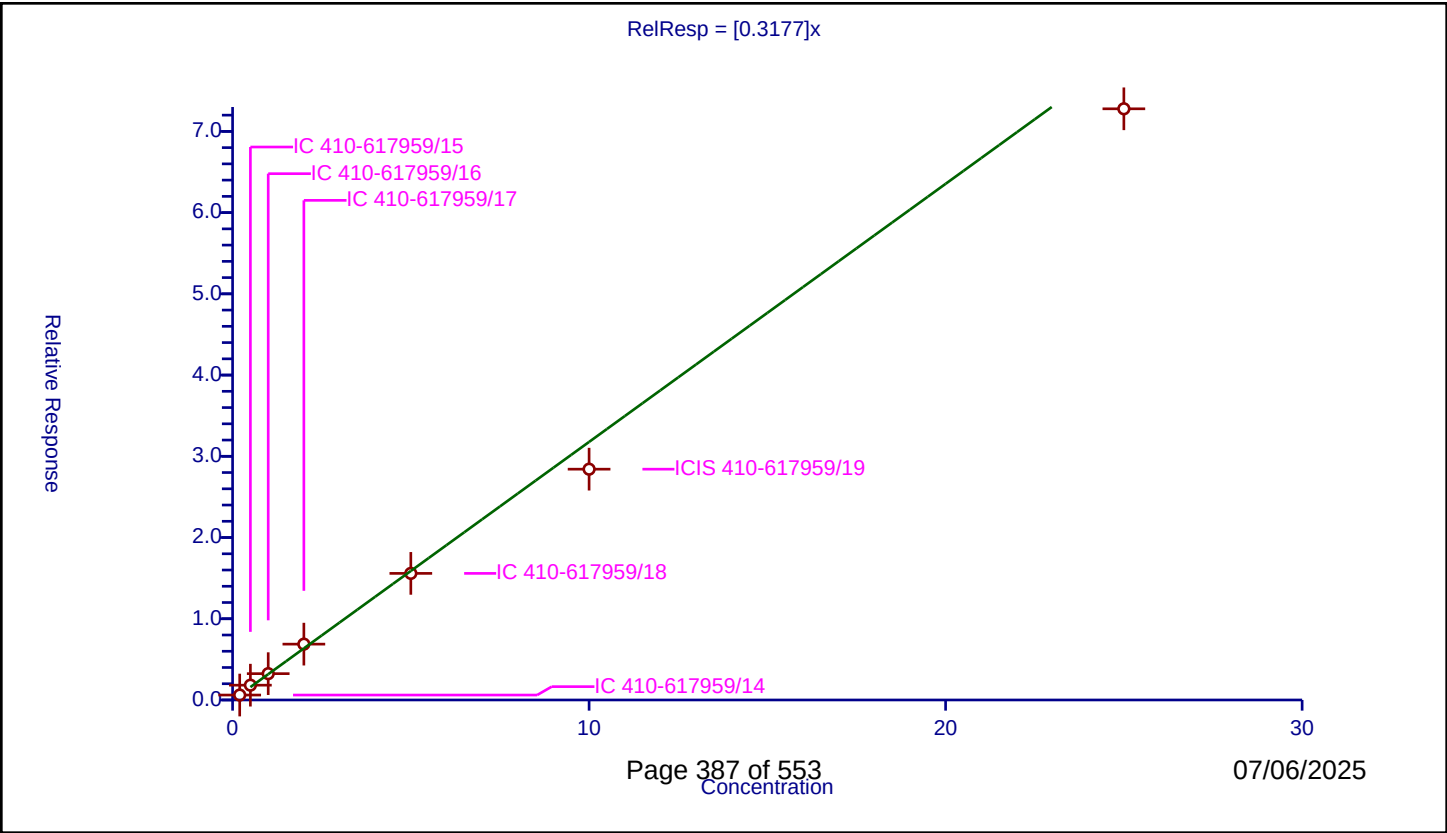
/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |        |
|--------------------|--------|
| Intercept:         | 0      |
| Slope:             | 0.3177 |
| Error Coefficients |        |

Relative Standard Deviation: 9.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.06092    | 10.0      | 2130985.0   | 0.304601 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.182205   | 10.0      | 1902526.0   | 0.36441  | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.32428    | 10.0      | 2216451.0   | 0.32428  | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.687522   | 10.0      | 1948679.0   | 0.343761 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.558414   | 10.0      | 2375608.0   | 0.311683 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 2.841417   | 10.0      | 2528151.0   | 0.284142 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 7.278124   | 10.0      | 2691008.0   | 0.291125 | Y    |



# Calibration

/ Iodomethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

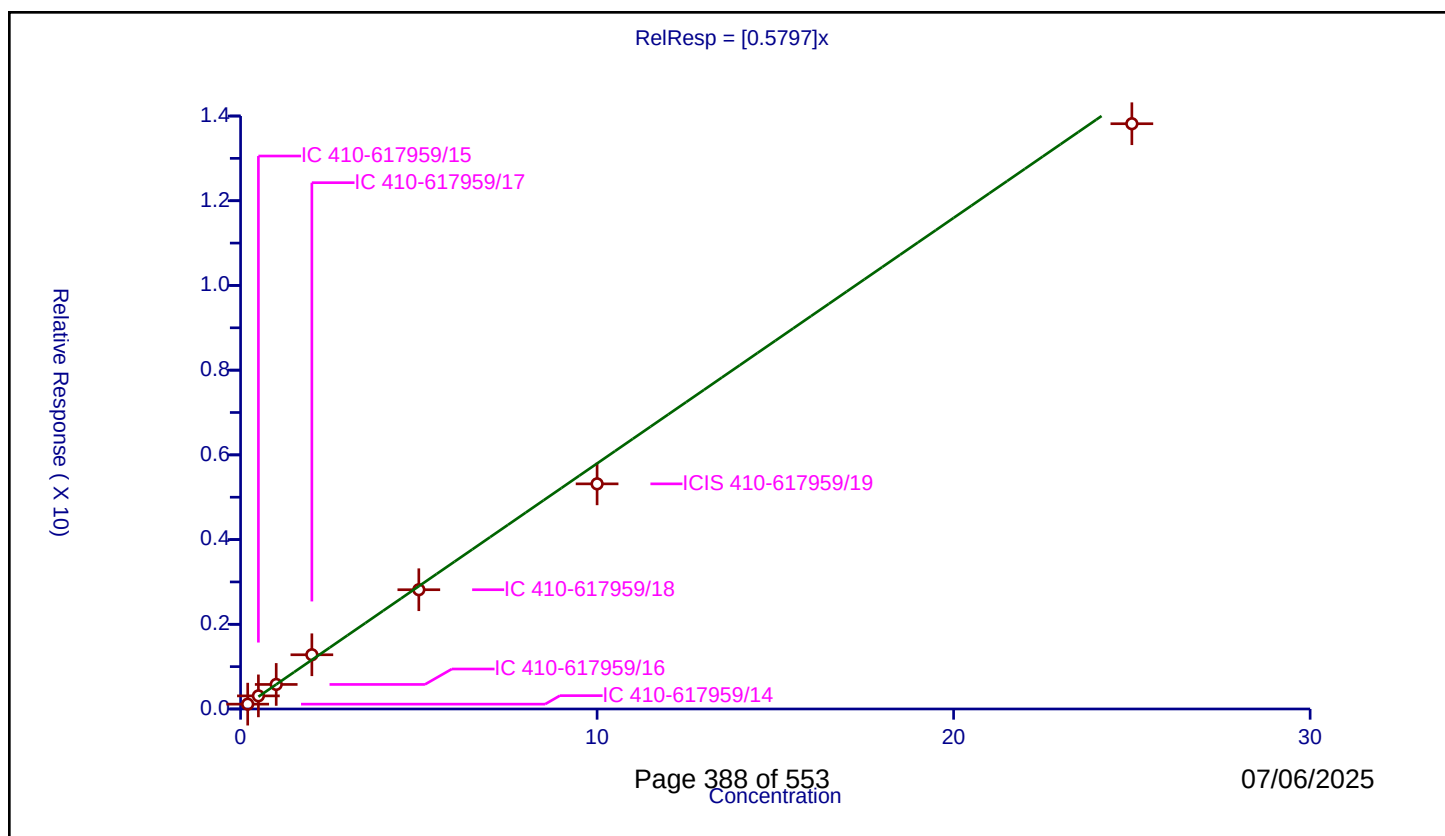
## Curve Coefficients

Intercept: 0  
Slope: 0.5797

## Error Coefficients

Relative Standard Deviation: 6.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.114341   | 10.0      | 2130985.0   | 0.571707 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.309425   | 10.0      | 1902526.0   | 0.618851 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.579679   | 10.0      | 2216451.0   | 0.579679 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.280524   | 10.0      | 1948679.0   | 0.640262 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.816058   | 10.0      | 2375608.0   | 0.563212 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.315406   | 10.0      | 2528151.0   | 0.531541 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 13.8178    | 10.0      | 2691008.0   | 0.552712 | Y    |





## Calibration

/ Ethyl bromide

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

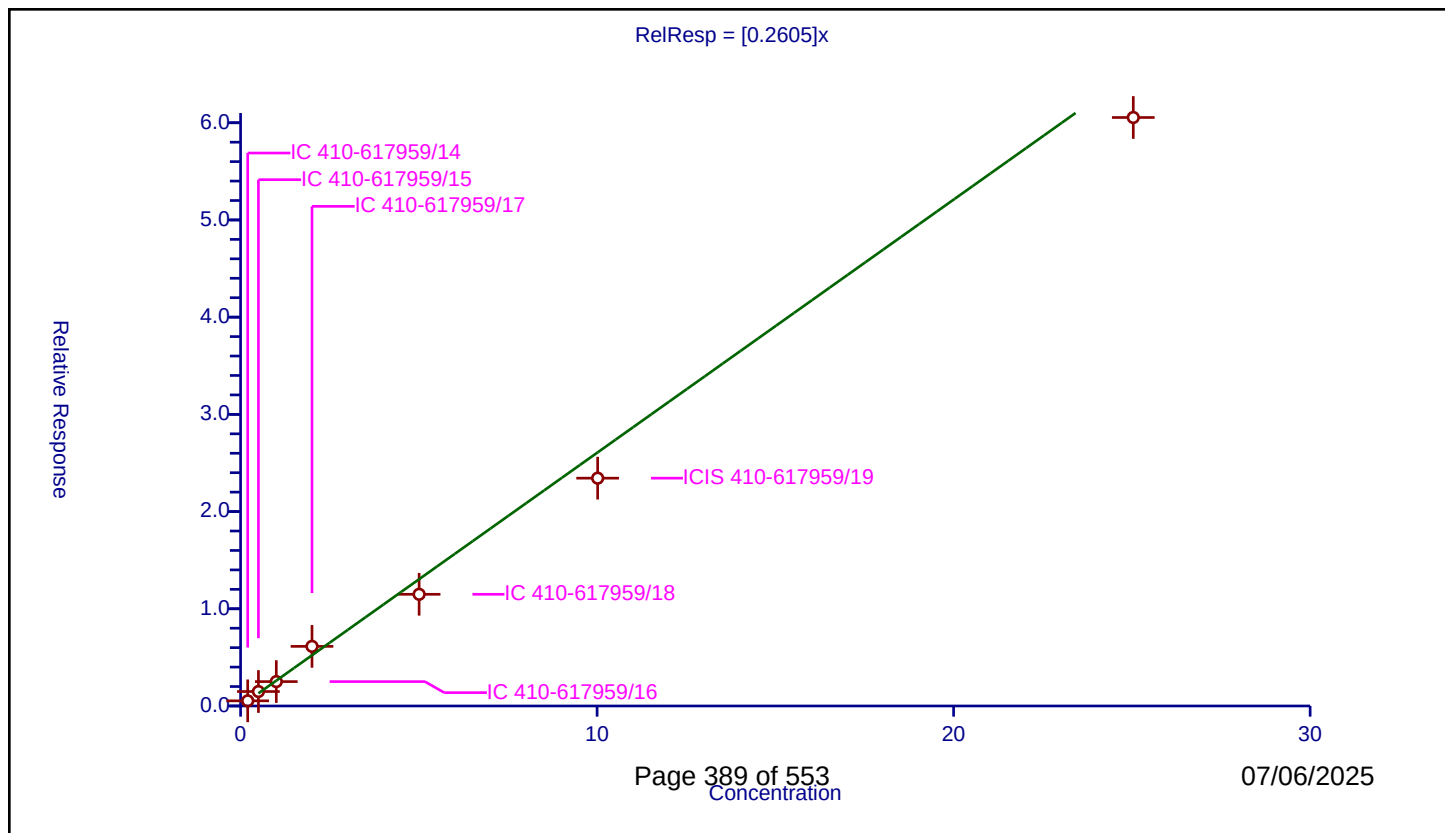
## Curve Coefficients

Intercept: 0  
Slope: 0.2605

## Error Coefficients

Relative Standard Deviation: 11.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.200321      | 0.05298    | 10.0      | 2130985.0   | 0.264477 | Y    |
| 2  | IC 410-617959/15   | 0.500802      | 0.148723   | 10.0      | 1902526.0   | 0.29697  | Y    |
| 3  | IC 410-617959/16   | 1.001604      | 0.250752   | 10.0      | 2216451.0   | 0.250351 | Y    |
| 4  | IC 410-617959/17   | 2.003208      | 0.613374   | 10.0      | 1948679.0   | 0.306196 | Y    |
| 5  | IC 410-617959/18   | 5.00802       | 1.149074   | 10.0      | 2375608.0   | 0.229447 | Y    |
| 6  | ICIS 410-617959/19 | 10.01604      | 2.343555   | 10.0      | 2528151.0   | 0.23398  | Y    |
| 7  | IC 410-617959/20   | 25.0401       | 6.053988   | 10.0      | 2691008.0   | 0.241772 | Y    |



## Calibration

/ Carbon disulfide

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

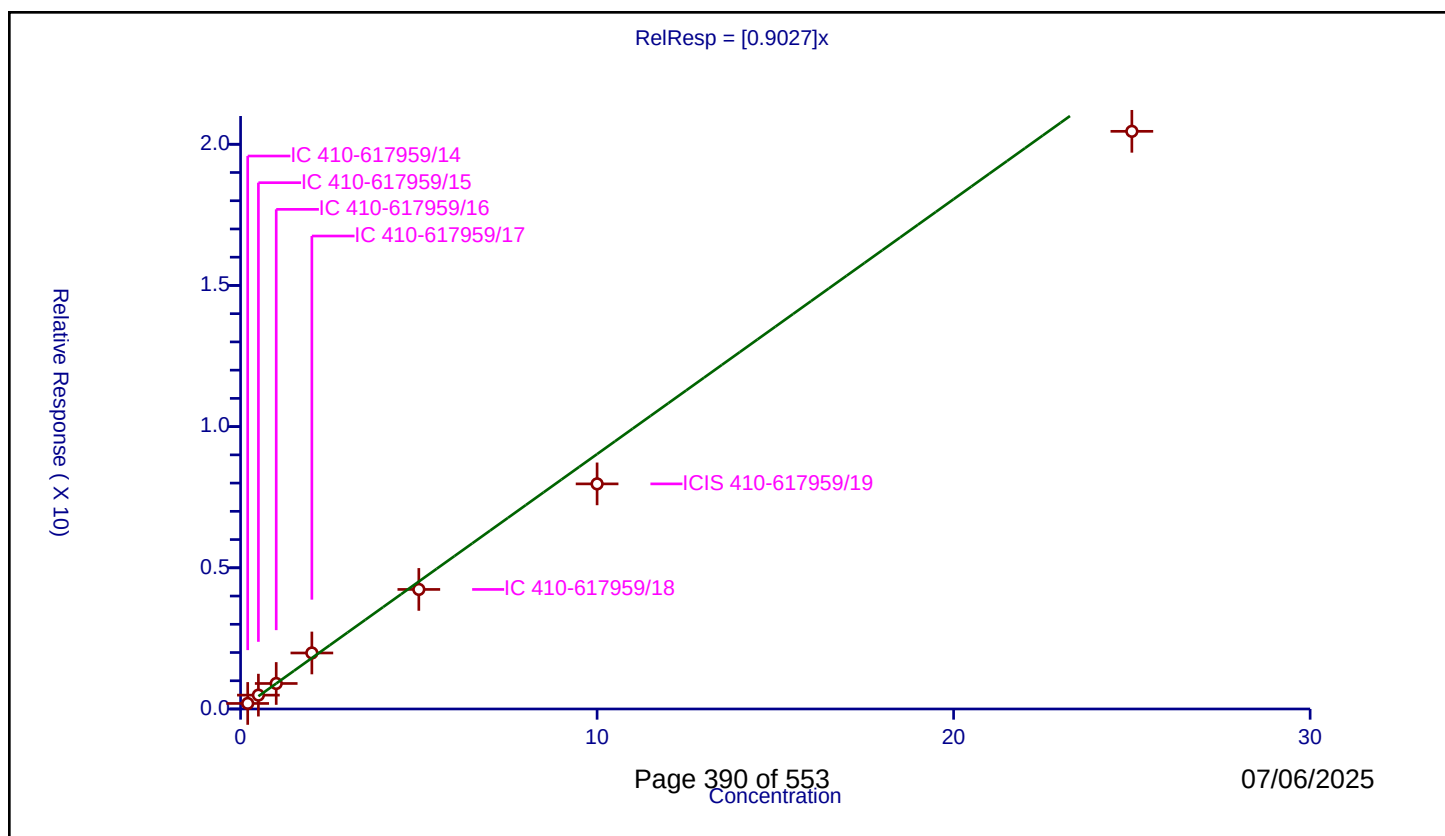
## Curve Coefficients

Intercept: 0  
Slope: 0.9027

## Error Coefficients

Relative Standard Deviation: 9.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.195806   | 10.0      | 2130985.0   | 0.979031 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.490821   | 10.0      | 1902526.0   | 0.981642 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.903611   | 10.0      | 2216451.0   | 0.903611 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.984108   | 10.0      | 1948679.0   | 0.992054 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 4.23428    | 10.0      | 2375608.0   | 0.846856 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 7.972107   | 10.0      | 2528151.0   | 0.797211 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 20.457546  | 10.0      | 2691008.0   | 0.818302 | Y    |



## Calibration

/ Methyl acetate

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

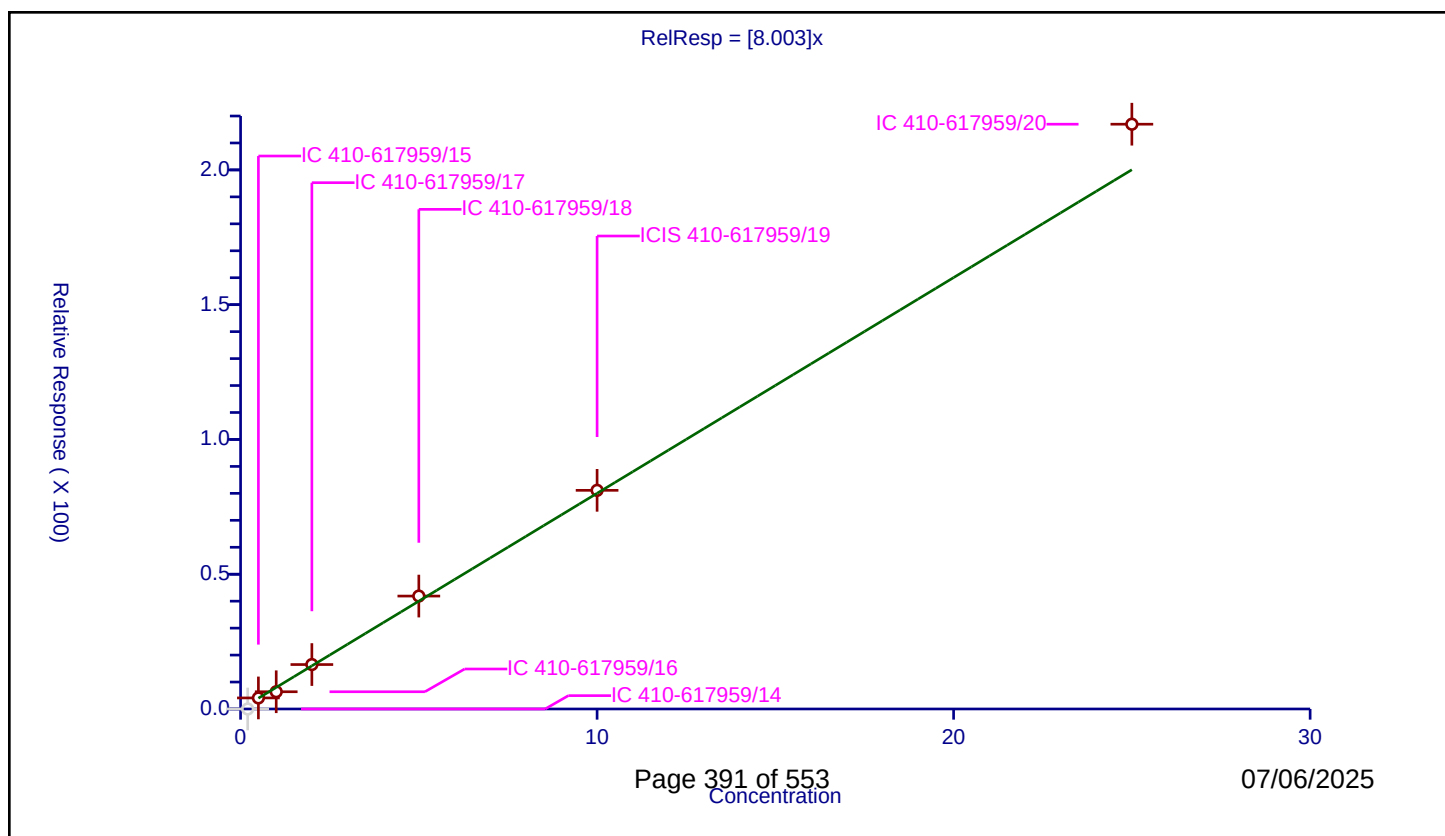
## Curve Coefficients

Intercept: 0  
Slope: 8.003

## Error Coefficients

Relative Standard Deviation: 10.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.0        | 50.0      | 173186.0    | 0.0      | N    |
| 2  | IC 410-617959/15   | 0.5           | 4.1026     | 50.0      | 150234.0    | 8.2052   | Y    |
| 3  | IC 410-617959/16   | 1.0           | 6.395069   | 50.0      | 176683.0    | 6.395069 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 16.491564  | 50.0      | 155813.0    | 8.245782 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 41.890843  | 50.0      | 177762.0    | 8.378169 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 81.127406  | 50.0      | 197604.0    | 8.112741 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 216.962654 | 50.0      | 216169.0    | 8.678506 | 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

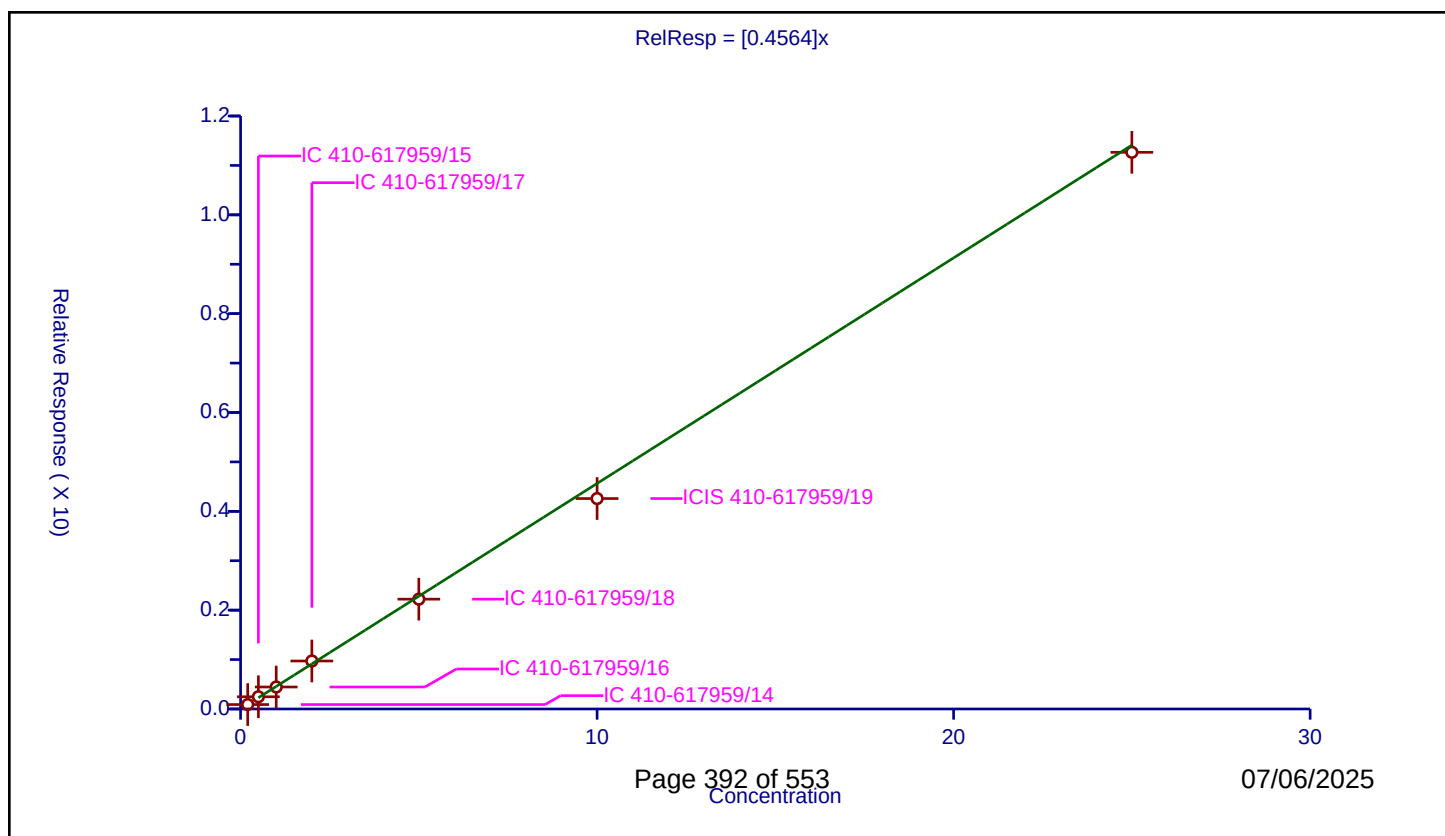
## Curve Coefficients

Intercept: 0  
Slope: 0.4564

## Error Coefficients

Relative Standard Deviation: 5.4

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.089621   | 10.0      | 2130985.0   | 0.448103 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.247671   | 10.0      | 1902526.0   | 0.495341 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.444828   | 10.0      | 2216451.0   | 0.444828 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.971248   | 10.0      | 1948679.0   | 0.485624 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.222719   | 10.0      | 2375608.0   | 0.444544 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.258535   | 10.0      | 2528151.0   | 0.425854 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 11.265686  | 10.0      | 2691008.0   | 0.450627 | Y    |



## Calibration

/ Methylene Chloride

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

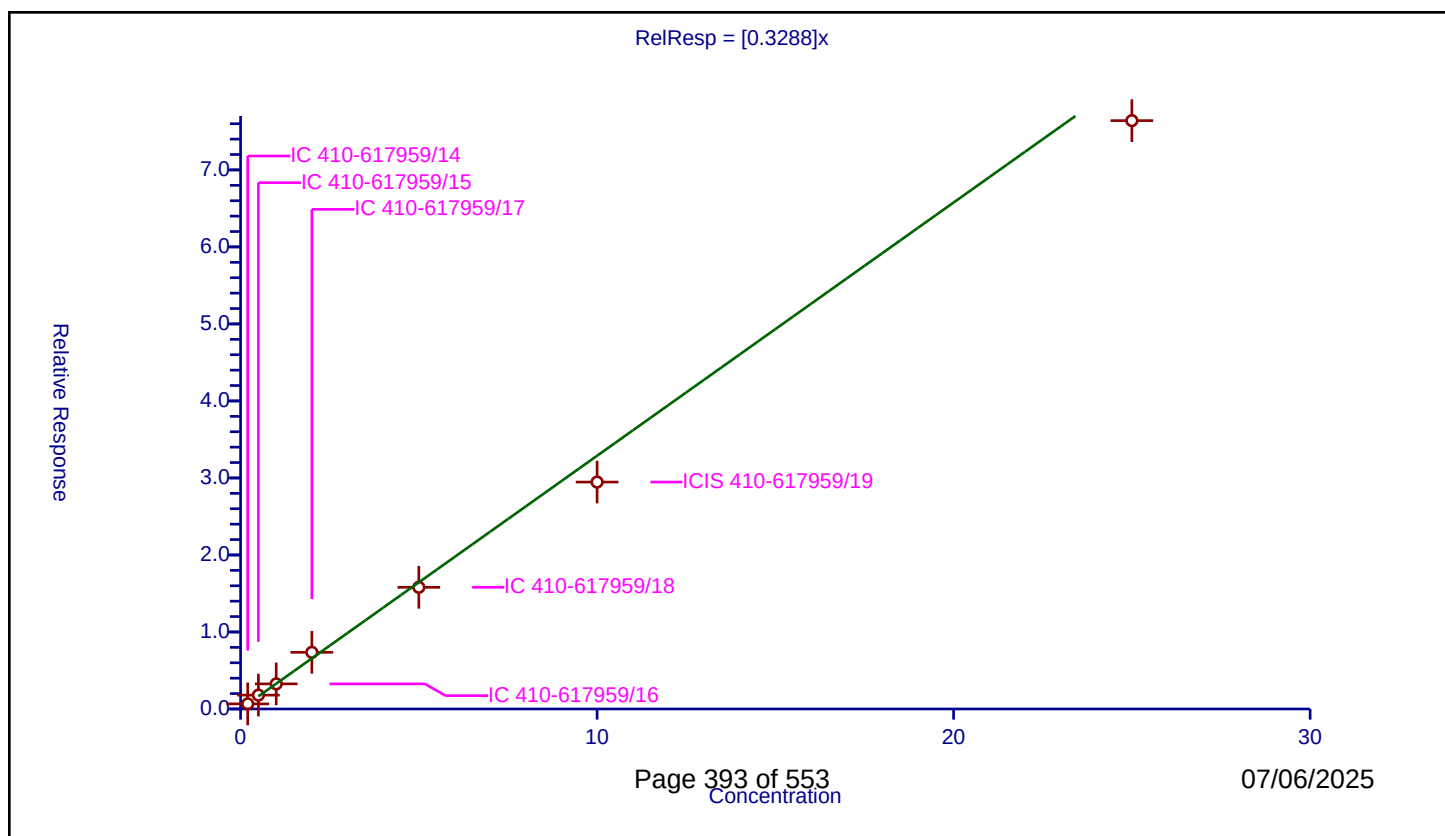
## Curve Coefficients

Intercept: 0  
Slope: 0.3288

## Error Coefficients

Relative Standard Deviation: 8.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.066298   | 10.0      | 2130985.0   | 0.33149  | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.180092   | 10.0      | 1902526.0   | 0.360184 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.325944   | 10.0      | 2216451.0   | 0.325944 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.735632   | 10.0      | 1948679.0   | 0.367816 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.58032    | 10.0      | 2375608.0   | 0.316064 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 2.946707   | 10.0      | 2528151.0   | 0.294671 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 7.640211   | 10.0      | 2691008.0   | 0.305608 | 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

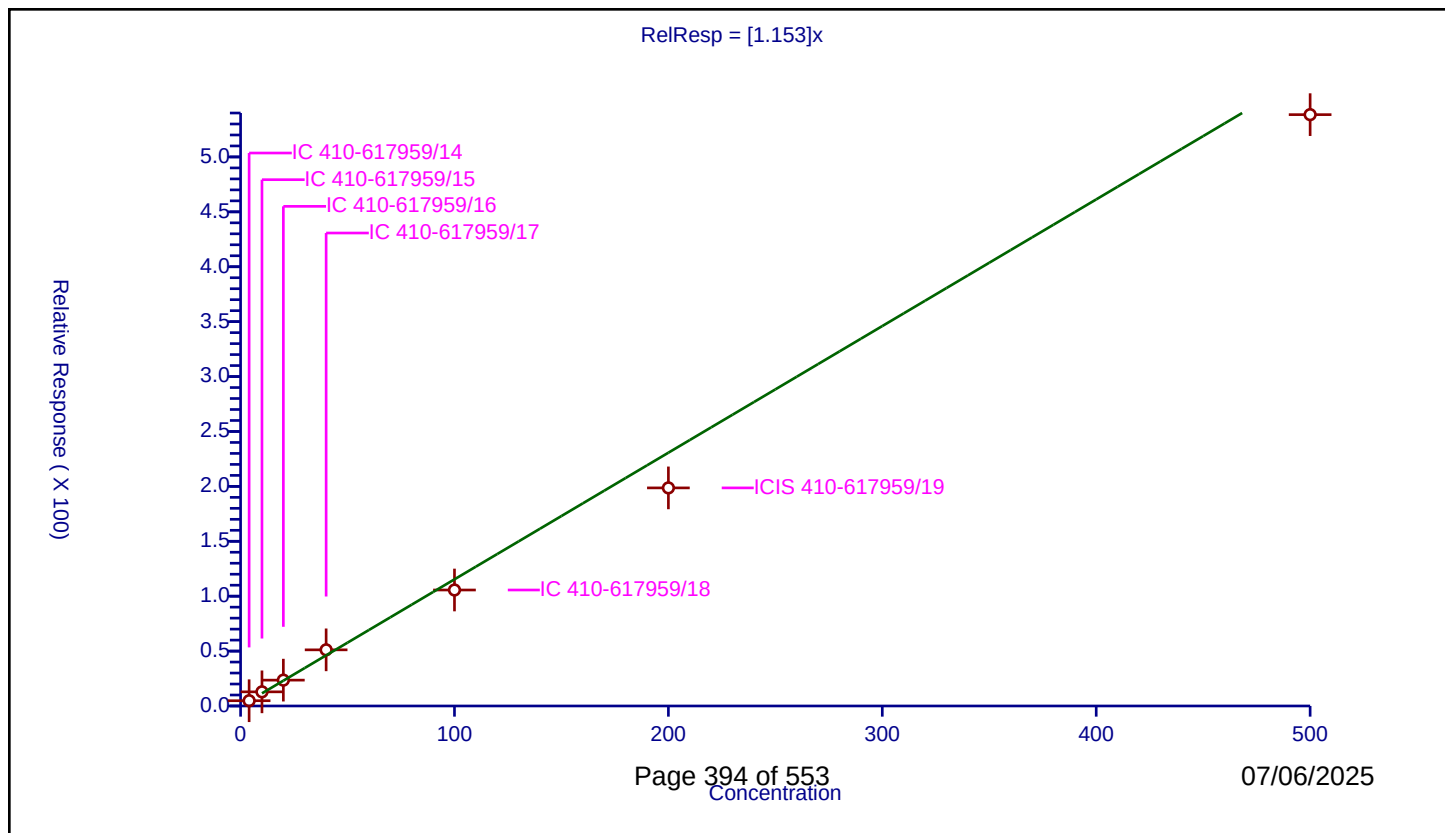
### Curve Coefficients

Intercept: 0  
 Slope: 1.153

### Error Coefficients

Relative Standard Deviation: 9.9

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 4.0           | 4.806971   | 50.0      | 173186.0    | 1.201743 | Y    |
| 2  | IC 410-617959/15   | 10.0          | 12.888228  | 50.0      | 150234.0    | 1.288823 | Y    |
| 3  | IC 410-617959/16   | 20.0          | 23.553766  | 50.0      | 176683.0    | 1.177688 | Y    |
| 4  | IC 410-617959/17   | 40.0          | 51.131164  | 50.0      | 155813.0    | 1.278279 | Y    |
| 5  | IC 410-617959/18   | 100.0         | 105.635906 | 50.0      | 177762.0    | 1.056359 | Y    |
| 6  | ICIS 410-617959/19 | 200.0         | 198.619461 | 50.0      | 197604.0    | 0.993097 | Y    |
| 7  | IC 410-617959/20   | 500.0         | 538.518474 | 50.0      | 216169.0    | 1.077037 | Y    |



## Calibration

/ Acrylonitrile

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

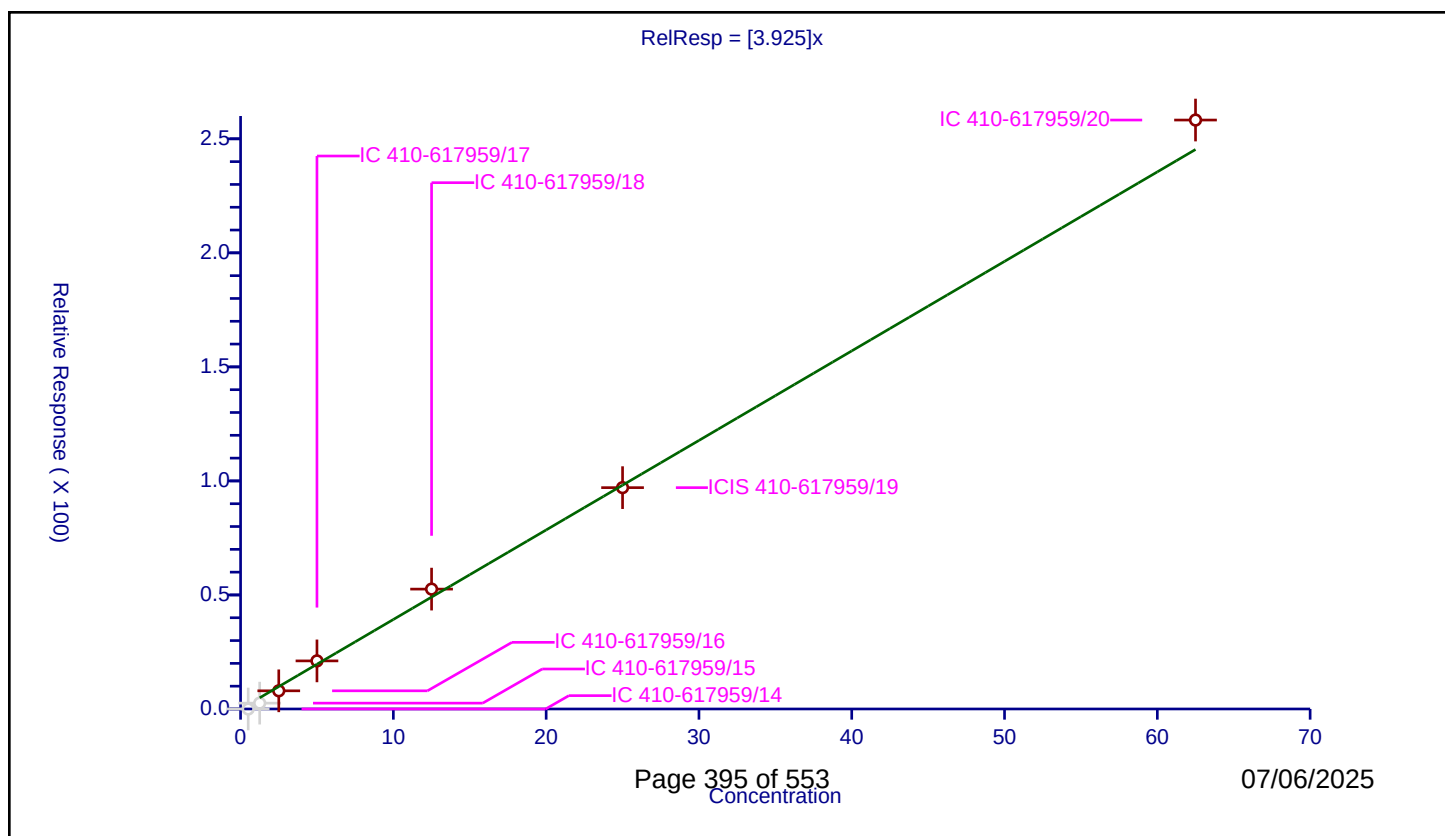
## Curve Coefficients

Intercept: 0  
Slope: 3.925

## Error Coefficients

Relative Standard Deviation: 11.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.5           | 0.0        | 50.0      | 173186.0    | 0.0      | N    |
| 2  | IC 410-617959/15   | 1.25          | 2.567661   | 50.0      | 150234.0    | 2.054129 | N    |
| 3  | IC 410-617959/16   | 2.5           | 7.971904   | 50.0      | 176683.0    | 3.188762 | Y    |
| 4  | IC 410-617959/17   | 5.0           | 21.088741  | 50.0      | 155813.0    | 4.217748 | Y    |
| 5  | IC 410-617959/18   | 12.5          | 52.566071  | 50.0      | 177762.0    | 4.205286 | Y    |
| 6  | ICIS 410-617959/19 | 25.0          | 97.050667  | 50.0      | 197604.0    | 3.882027 | Y    |
| 7  | IC 410-617959/20   | 62.5          | 258.238924 | 50.0      | 216169.0    | 4.131823 | 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

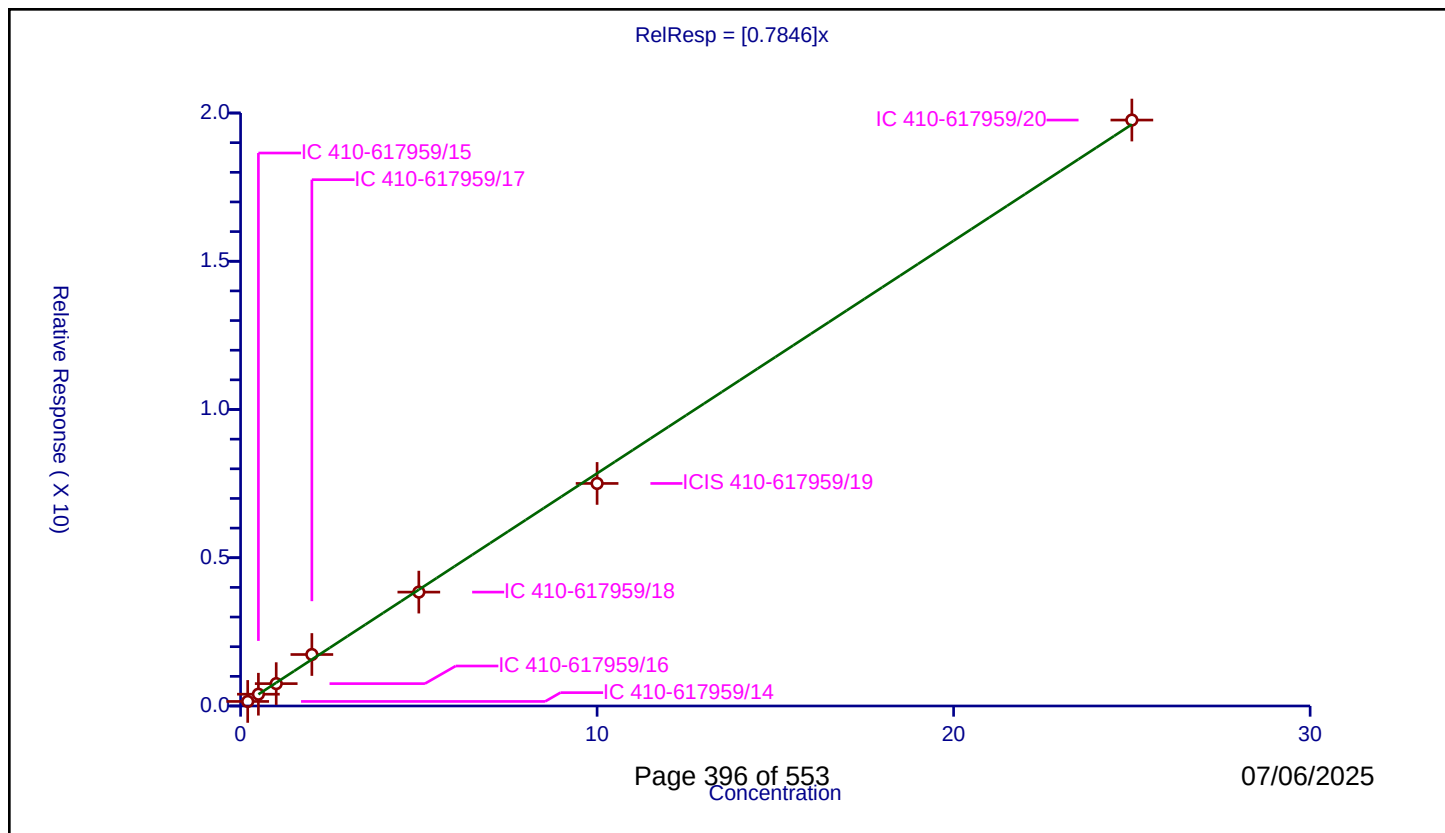
## Curve Coefficients

Intercept: 0  
Slope: 0.7846

## Error Coefficients

Relative Standard Deviation: 5.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.153225   | 10.0      | 2130985.0   | 0.766125 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.39733    | 10.0      | 1902526.0   | 0.794659 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.754201   | 10.0      | 2216451.0   | 0.754201 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.735991   | 10.0      | 1948679.0   | 0.867996 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 3.84108    | 10.0      | 2375608.0   | 0.768216 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 7.506446   | 10.0      | 2528151.0   | 0.750645 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 19.762602  | 10.0      | 2691008.0   | 0.790504 | 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

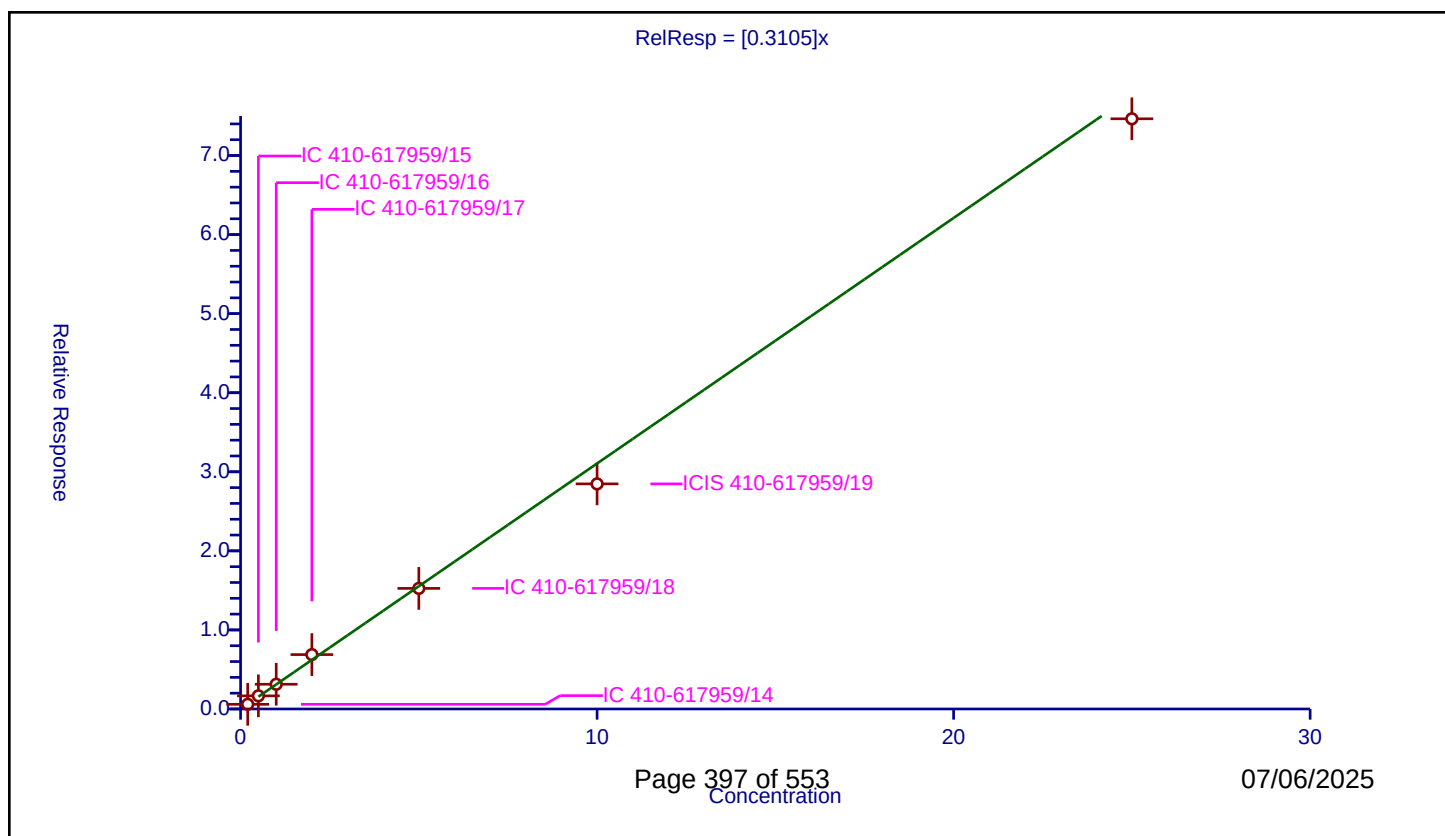
## Curve Coefficients

Intercept: 0  
Slope: 0.3105

## Error Coefficients

Relative Standard Deviation: 6.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.059226   | 10.0      | 2130985.0   | 0.296131 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.166174   | 10.0      | 1902526.0   | 0.332348 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.312851   | 10.0      | 2216451.0   | 0.312851 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.687887   | 10.0      | 1948679.0   | 0.343943 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.525323   | 10.0      | 2375608.0   | 0.305065 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 2.847021   | 10.0      | 2528151.0   | 0.284702 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 7.464957   | 10.0      | 2691008.0   | 0.298598 | Y    |



## Calibration

/ Hexane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

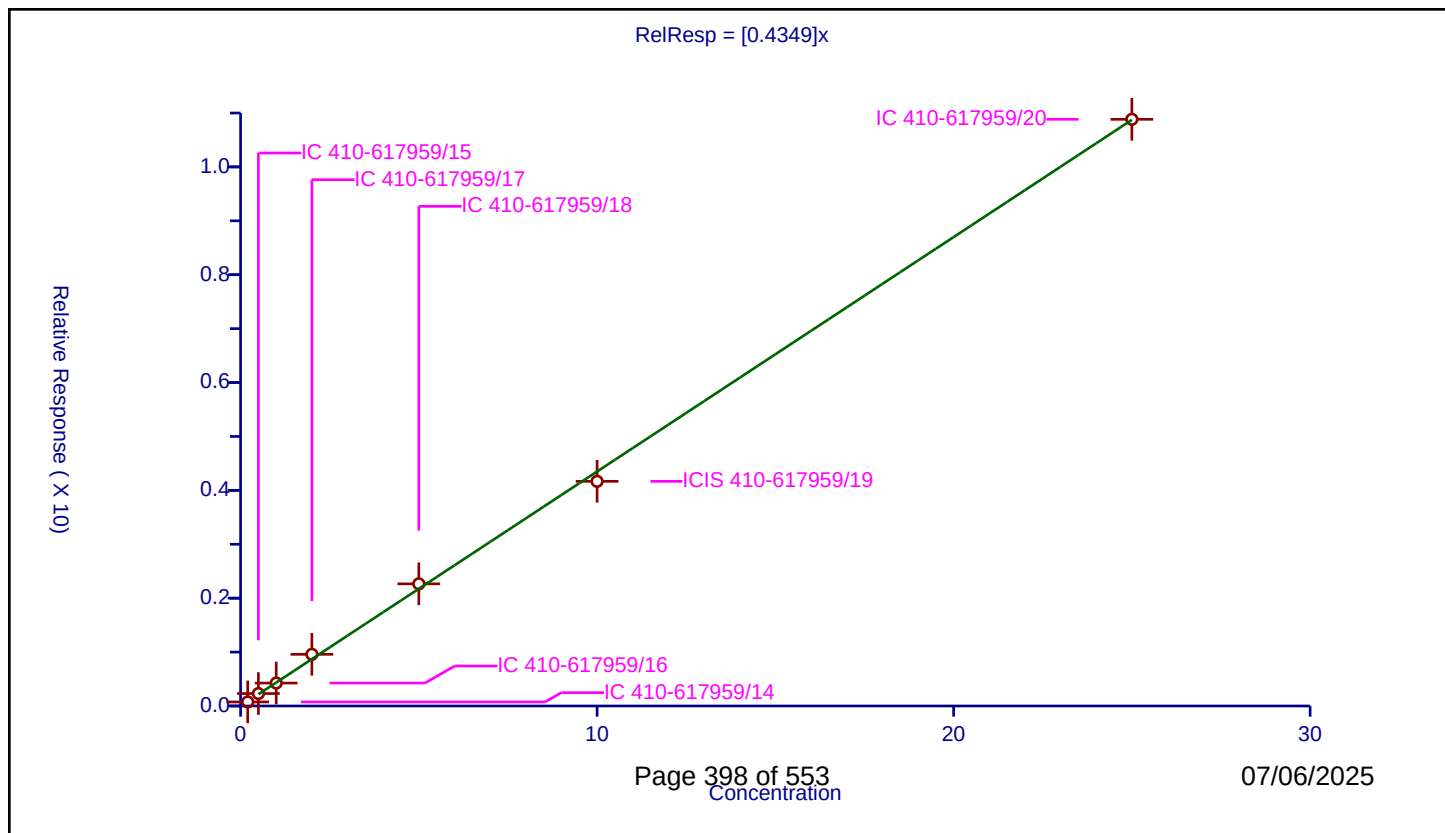
## Curve Coefficients

Intercept: 0  
Slope: 0.4349

## Error Coefficients

Relative Standard Deviation: 8.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.074721   | 10.0      | 2130985.0   | 0.373607 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.230699   | 10.0      | 1902526.0   | 0.461397 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.424959   | 10.0      | 2216451.0   | 0.424959 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.95849    | 10.0      | 1948679.0   | 0.479245 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.265761   | 10.0      | 2375608.0   | 0.453152 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.167639   | 10.0      | 2528151.0   | 0.416764 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 10.883349  | 10.0      | 2691008.0   | 0.435334 | Y    |



## Calibration

/ 1,1-Dichloroethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

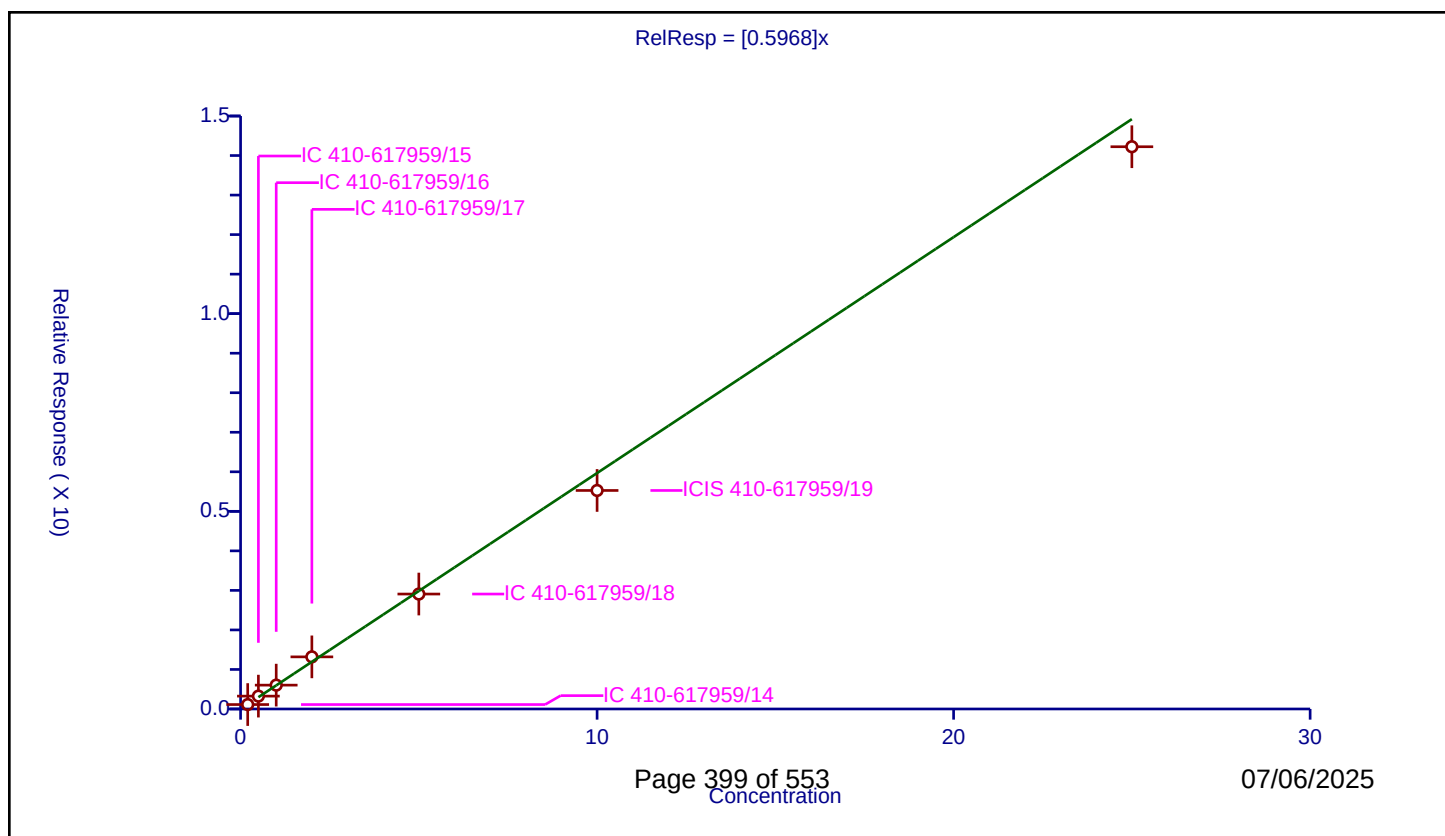
## Curve Coefficients

Intercept: 0  
Slope: 0.5968

## Error Coefficients

Relative Standard Deviation: 7.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.112206   | 10.0      | 2130985.0   | 0.561032 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.325483   | 10.0      | 1902526.0   | 0.650966 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.603384   | 10.0      | 2216451.0   | 0.603384 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.318385   | 10.0      | 1948679.0   | 0.659193 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.907521   | 10.0      | 2375608.0   | 0.581504 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.527641   | 10.0      | 2528151.0   | 0.552764 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 14.222734  | 10.0      | 2691008.0   | 0.568909 | Y    |



# Calibration

/ Isopropyl ether

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

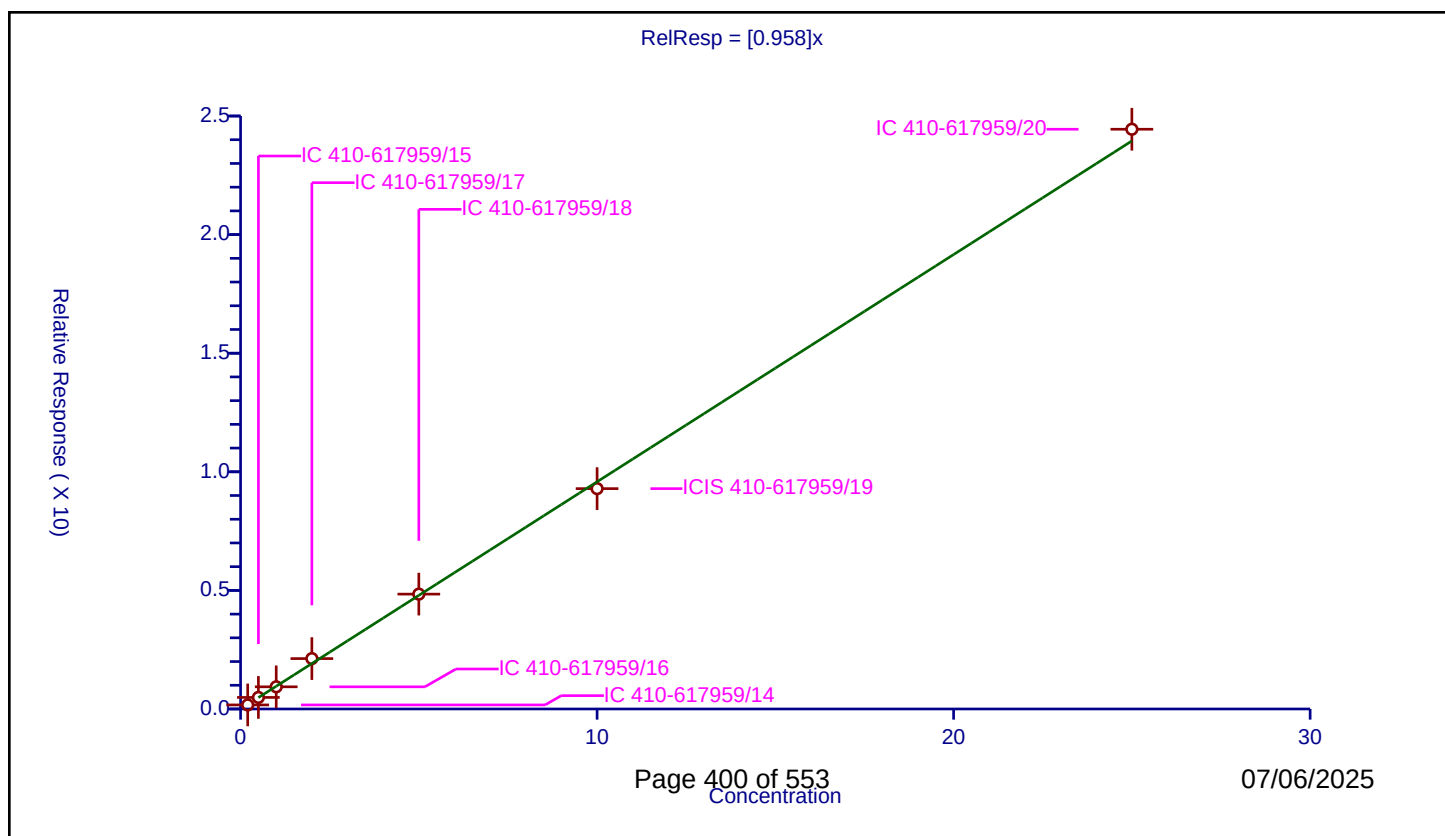
## Curve Coefficients

Intercept: 0  
 Slope: 0.958

## Error Coefficients

Relative Standard Deviation: 6.4

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.171789   | 10.0      | 2130985.0   | 0.858946 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.487326   | 10.0      | 1902526.0   | 0.974652 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.934819   | 10.0      | 2216451.0   | 0.934819 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 2.124208   | 10.0      | 1948679.0   | 1.062104 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 4.842706   | 10.0      | 2375608.0   | 0.968541 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 9.29011    | 10.0      | 2528151.0   | 0.929011 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 24.442473  | 10.0      | 2691008.0   | 0.977699 | Y    |



## Calibration

/ 2-Chloro-1,3-butadiene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

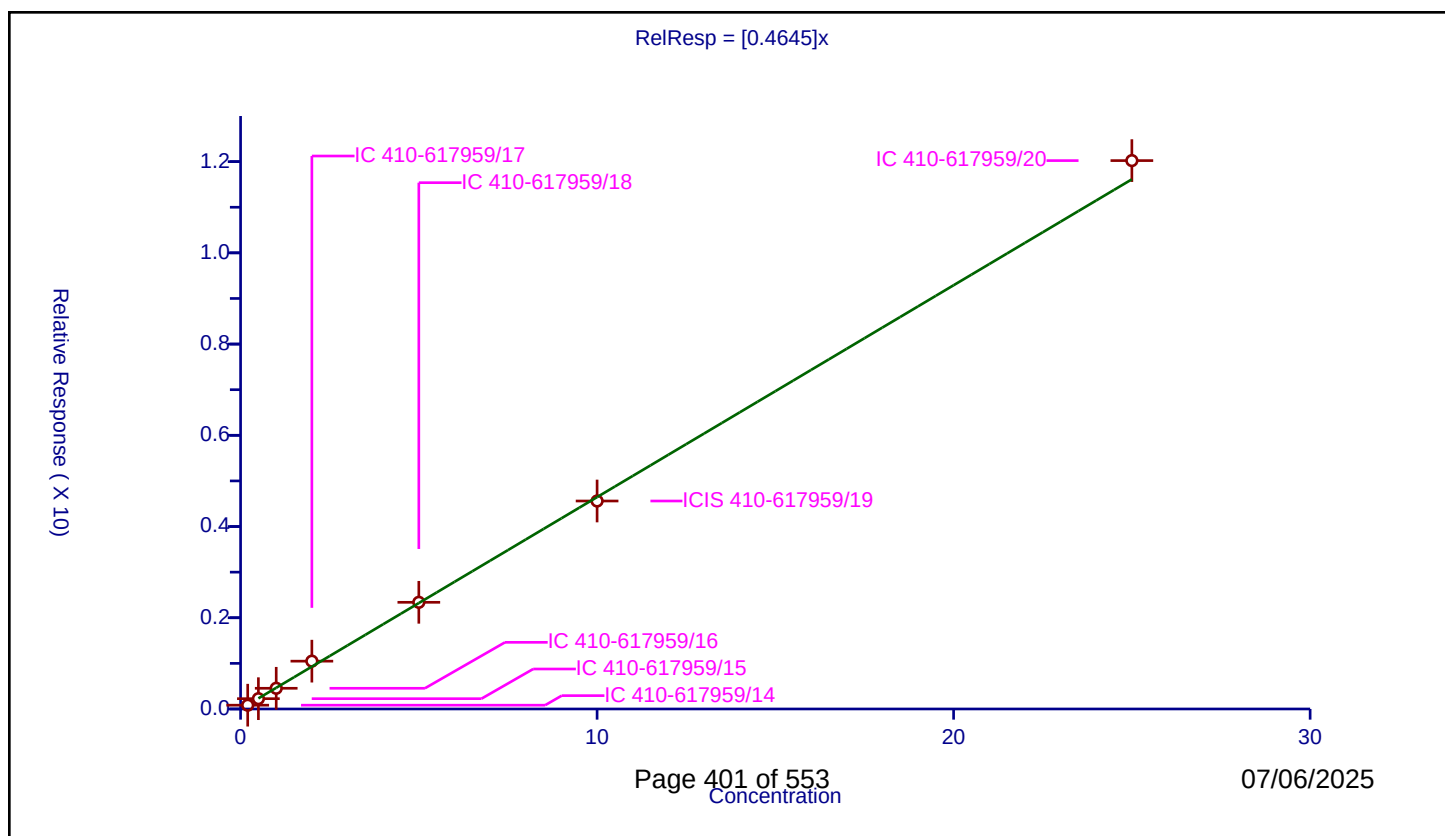
## Curve Coefficients

Intercept: 0  
Slope: 0.4645

## Error Coefficients

Relative Standard Deviation: 7.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.083177   | 10.0      | 2130985.0   | 0.415887 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.226231   | 10.0      | 1902526.0   | 0.452462 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.454154   | 10.0      | 2216451.0   | 0.454154 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.048777   | 10.0      | 1948679.0   | 0.524389 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.338547   | 10.0      | 2375608.0   | 0.467709 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.559518   | 10.0      | 2528151.0   | 0.455952 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 12.022458  | 10.0      | 2691008.0   | 0.480898 | 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

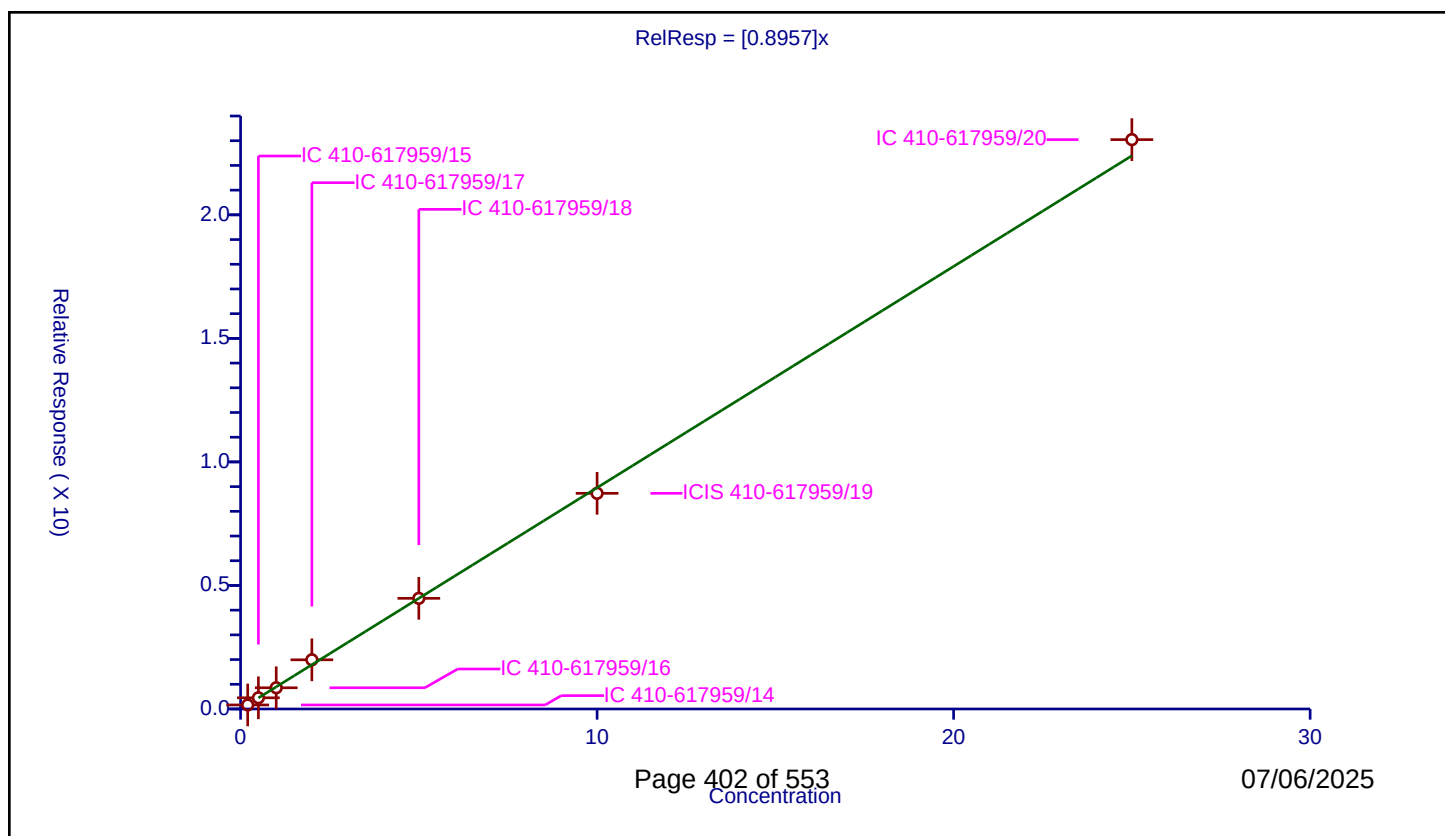
## Curve Coefficients

Intercept: 0  
Slope: 0.8957

## Error Coefficients

Relative Standard Deviation: 6.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.16392    | 10.0      | 2130985.0   | 0.819598 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.452882   | 10.0      | 1902526.0   | 0.905764 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.858557   | 10.0      | 2216451.0   | 0.858557 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.990697   | 10.0      | 1948679.0   | 0.995349 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 4.478504   | 10.0      | 2375608.0   | 0.895701 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 8.72868    | 10.0      | 2528151.0   | 0.872868 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 23.044443  | 10.0      | 2691008.0   | 0.921778 | Y    |



## Calibration

/ 2-Butanone (MEK)

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

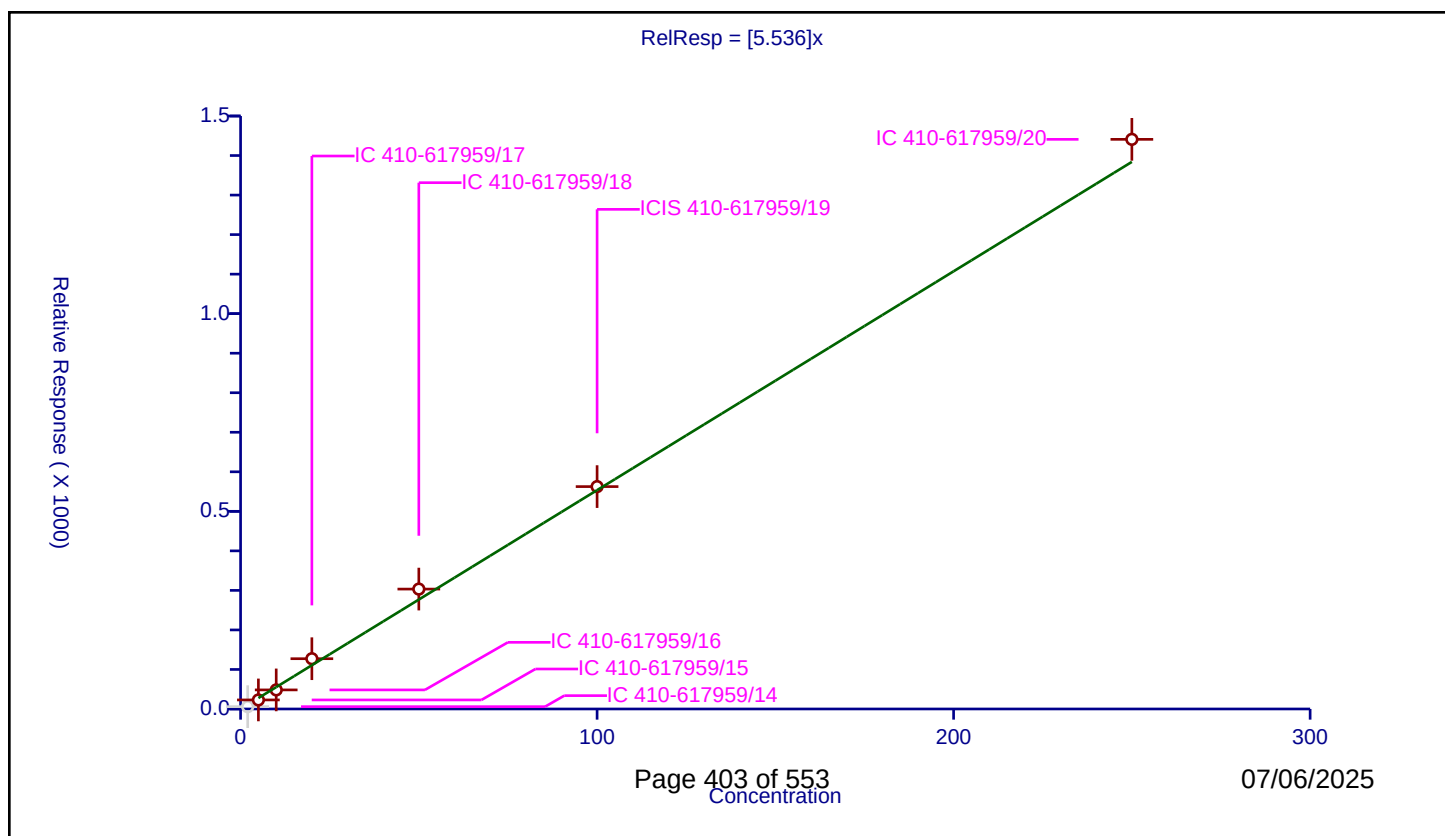
## Curve Coefficients

Intercept: 0  
Slope: 5.536

## Error Coefficients

Relative Standard Deviation: 12.6

| ID | Level              | Concentration | Rel. Resp.  | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|-------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 2.0           | 5.917337    | 50.0      | 173186.0    | 2.958669 | N    |
| 2  | IC 410-617959/15   | 5.0           | 22.885632   | 50.0      | 150234.0    | 4.577126 | Y    |
| 3  | IC 410-617959/16   | 10.0          | 48.247143   | 50.0      | 176683.0    | 4.824714 | Y    |
| 4  | IC 410-617959/17   | 20.0          | 127.156592  | 50.0      | 155813.0    | 6.35783  | Y    |
| 5  | IC 410-617959/18   | 50.0          | 303.328045  | 50.0      | 177762.0    | 6.066561 | Y    |
| 6  | ICIS 410-617959/19 | 100.0         | 562.529099  | 50.0      | 197604.0    | 5.625291 | Y    |
| 7  | IC 410-617959/20   | 250.0         | 1440.956844 | 50.0      | 216169.0    | 5.763827 | 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

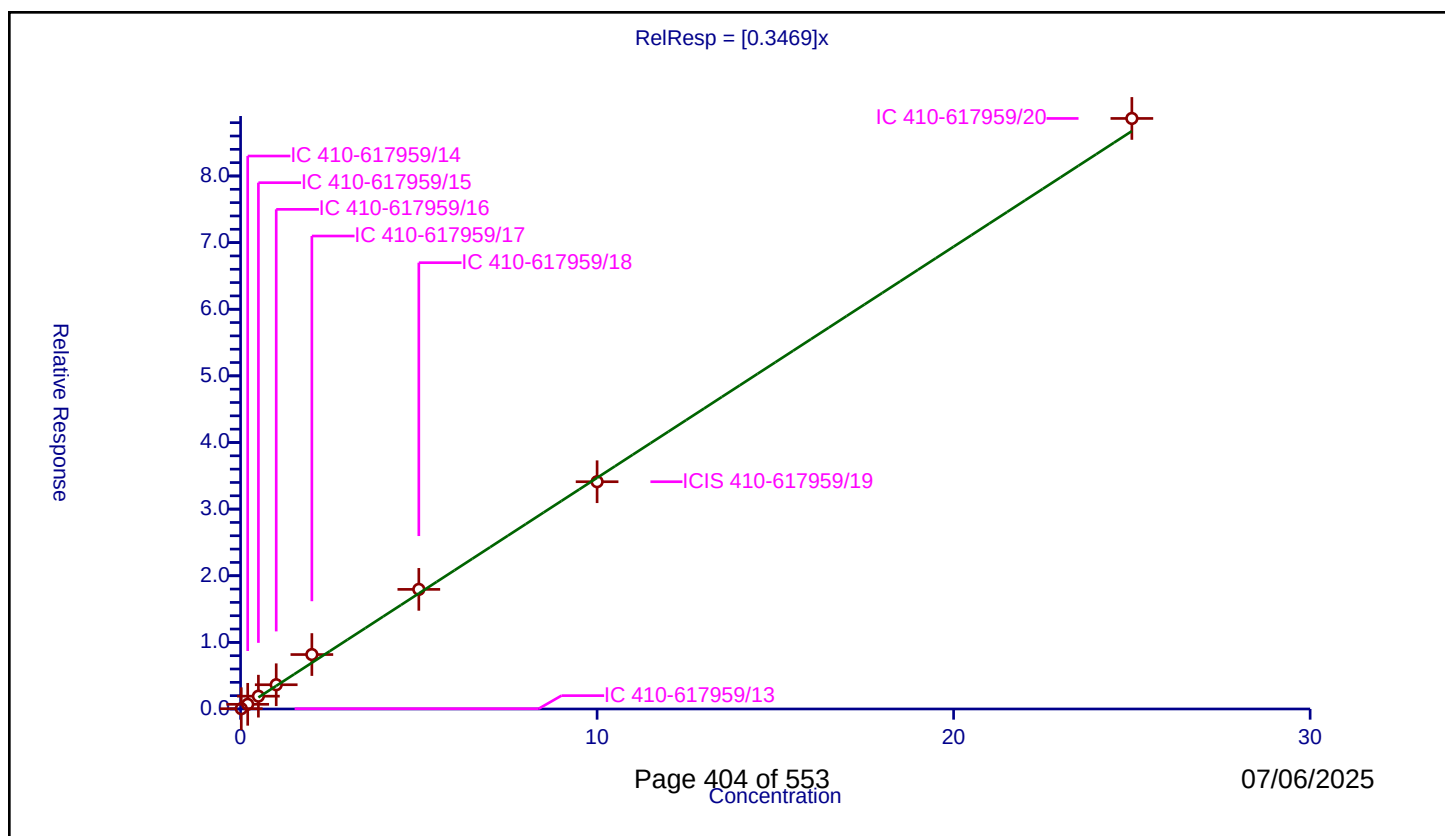
## Curve Coefficients

Intercept: 0  
Slope: 0.3469

## Error Coefficients

Relative Standard Deviation: 16.9

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.004234   | 10.0      | 1835182.0   | 0.211696 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.070409   | 10.0      | 2130985.0   | 0.352044 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.192286   | 10.0      | 1902526.0   | 0.384573 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.363911   | 10.0      | 2216451.0   | 0.363911 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 0.817256   | 10.0      | 1948679.0   | 0.408628 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 1.79522    | 10.0      | 2375608.0   | 0.359044 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 3.410916   | 10.0      | 2528151.0   | 0.341092 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 8.86343    | 10.0      | 2691008.0   | 0.354537 | Y    |





## Calibration

/ 2,2-Dichloropropane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

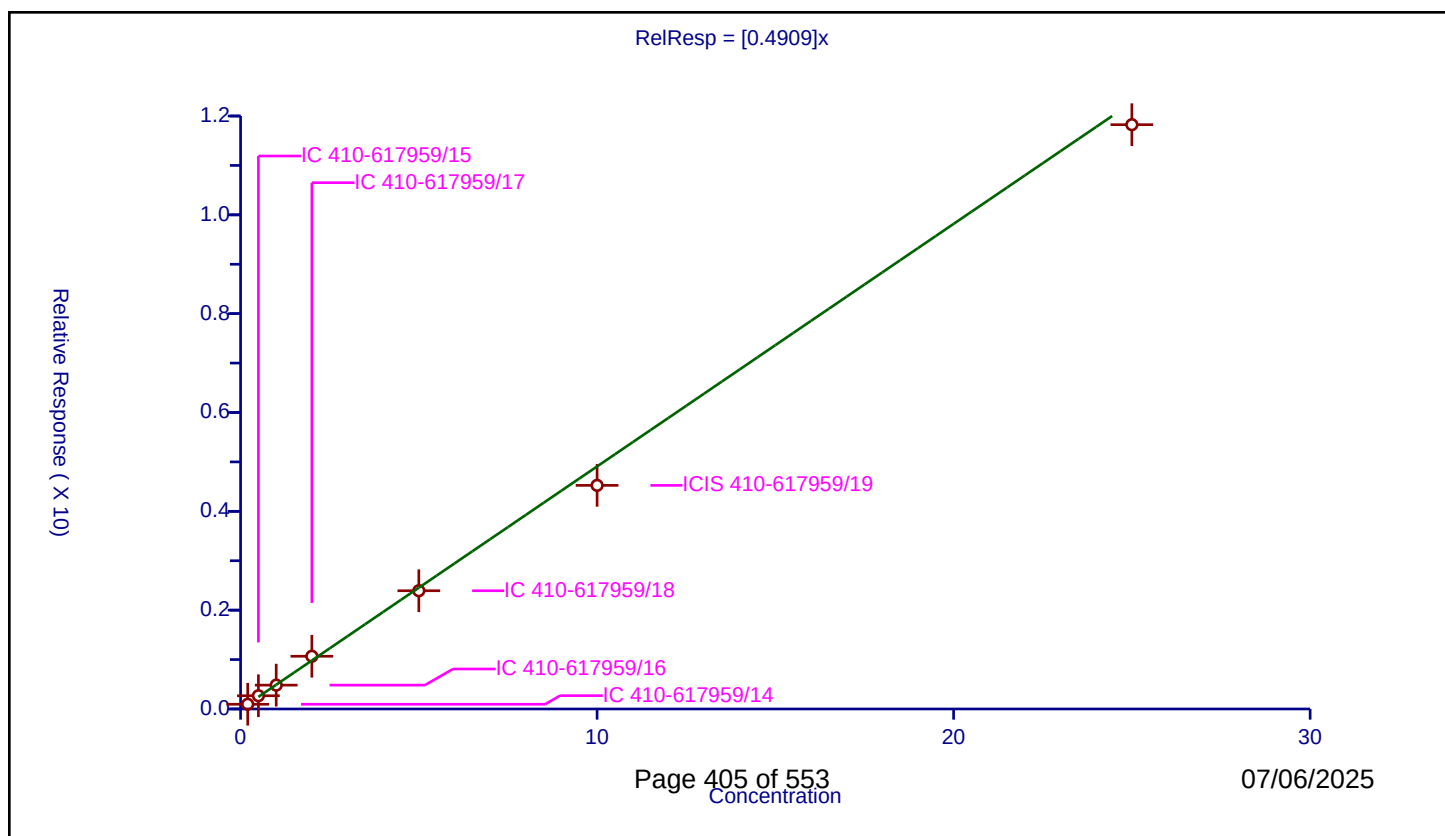
## Curve Coefficients

Intercept: 0  
Slope: 0.4909

## Error Coefficients

Relative Standard Deviation: 6.4

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.095984   | 10.0      | 2130985.0   | 0.479919 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.267676   | 10.0      | 1902526.0   | 0.535351 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.482848   | 10.0      | 2216451.0   | 0.482848 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.067426   | 10.0      | 1948679.0   | 0.533713 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.393131   | 10.0      | 2375608.0   | 0.478626 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.525299   | 10.0      | 2528151.0   | 0.45253  | Y    |
| 7  | IC 410-617959/20   | 25.0          | 11.824528  | 10.0      | 2691008.0   | 0.472981 | Y    |



# Calibration

/ Propionitrile

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

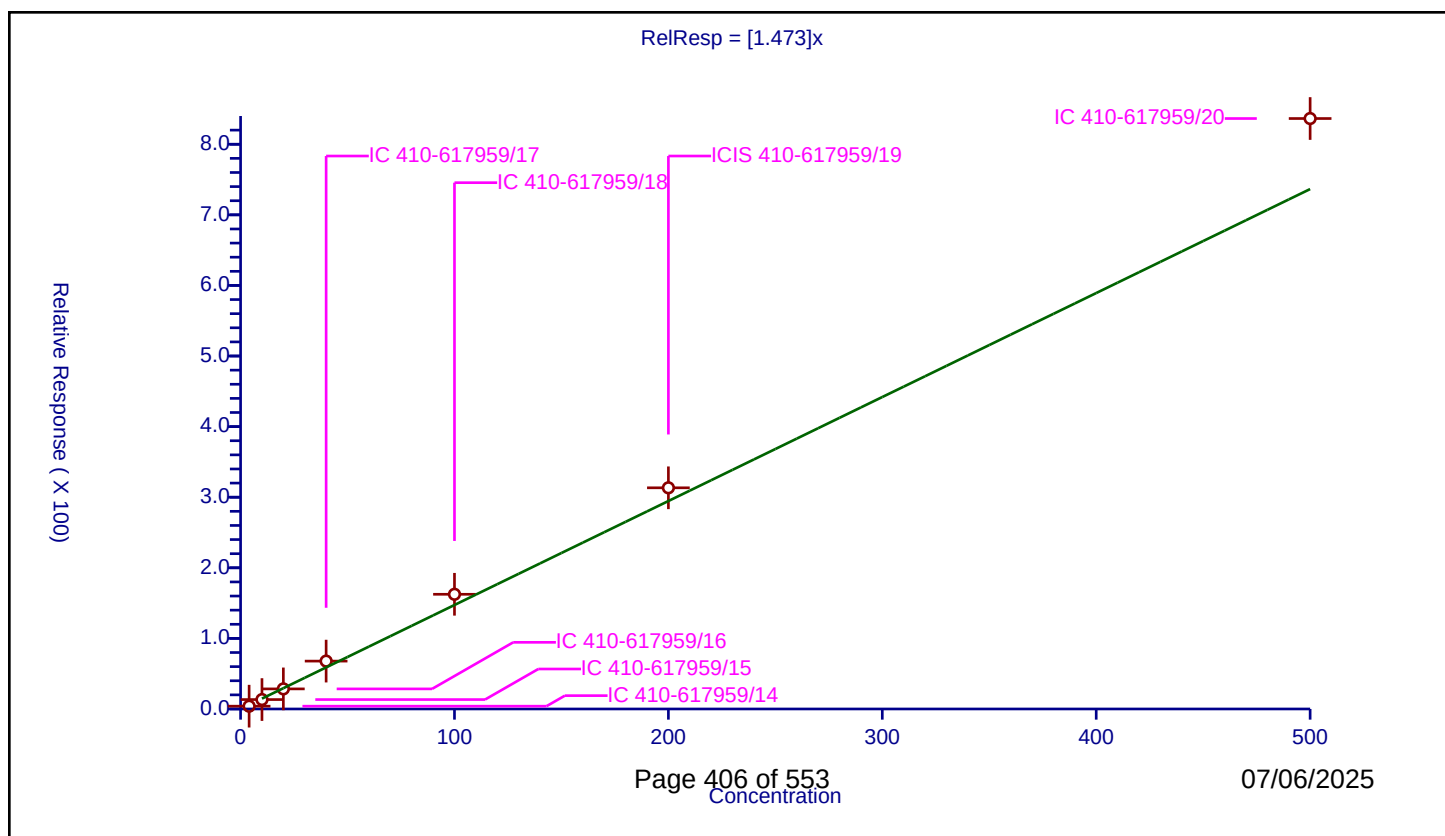
## Curve Coefficients

Intercept: 0  
Slope: 1.473

## Error Coefficients

Relative Standard Deviation: 17.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 4.0           | 3.968566   | 50.0      | 173186.0    | 0.992141 | Y    |
| 2  | IC 410-617959/15   | 10.0          | 13.350839  | 50.0      | 150234.0    | 1.335084 | Y    |
| 3  | IC 410-617959/16   | 20.0          | 28.467085  | 50.0      | 176683.0    | 1.423354 | Y    |
| 4  | IC 410-617959/17   | 40.0          | 67.83452   | 50.0      | 155813.0    | 1.695863 | Y    |
| 5  | IC 410-617959/18   | 100.0         | 162.505204 | 50.0      | 177762.0    | 1.625052 | Y    |
| 6  | ICIS 410-617959/19 | 200.0         | 313.326906 | 50.0      | 197604.0    | 1.566635 | Y    |
| 7  | IC 410-617959/20   | 500.0         | 836.444171 | 50.0      | 216169.0    | 1.672888 | Y    |



Calibration

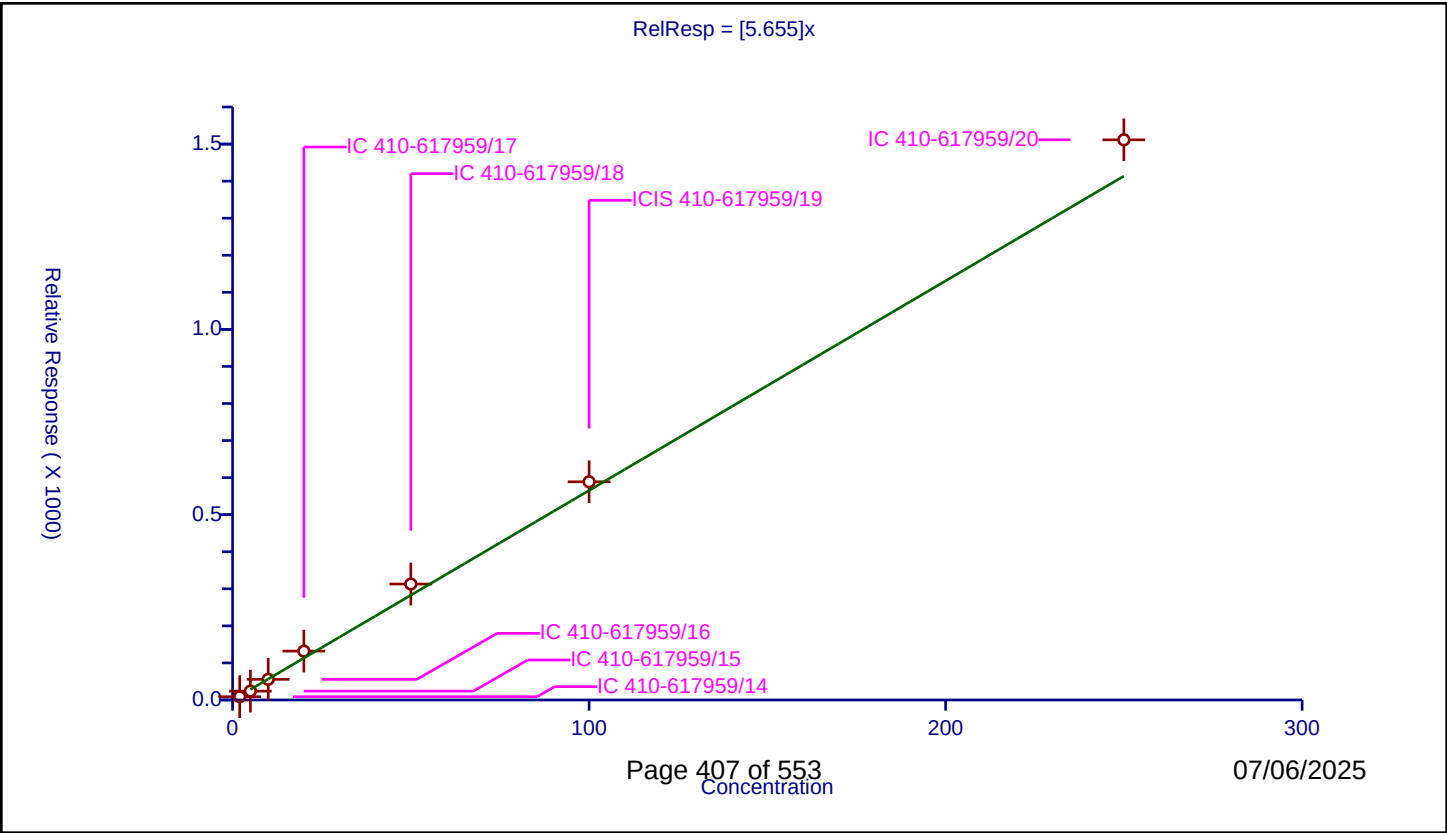
/ Methacrylonitrile

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |       |
|--------------------|-------|
| Intercept:         | 0     |
| Slope:             | 5.655 |
| Error Coefficients |       |

Relative Standard Deviation: 13.9

| ID | Level              | Concentration | Rel. Resp.  | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|-------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 2.0           | 8.870232    | 50.0      | 173186.0    | 4.435116 | Y    |
| 2  | IC 410-617959/15   | 5.0           | 23.944314   | 50.0      | 150234.0    | 4.788863 | Y    |
| 3  | IC 410-617959/16   | 10.0          | 55.719849   | 50.0      | 176683.0    | 5.571985 | Y    |
| 4  | IC 410-617959/17   | 20.0          | 131.917427  | 50.0      | 155813.0    | 6.595871 | Y    |
| 5  | IC 410-617959/18   | 50.0          | 312.86411   | 50.0      | 177762.0    | 6.257282 | Y    |
| 6  | ICIS 410-617959/19 | 100.0         | 588.773507  | 50.0      | 197604.0    | 5.887735 | Y    |
| 7  | IC 410-617959/20   | 250.0         | 1511.404734 | 50.0      | 216169.0    | 6.045619 | Y    |



## Calibration

/ Chlorobromomethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

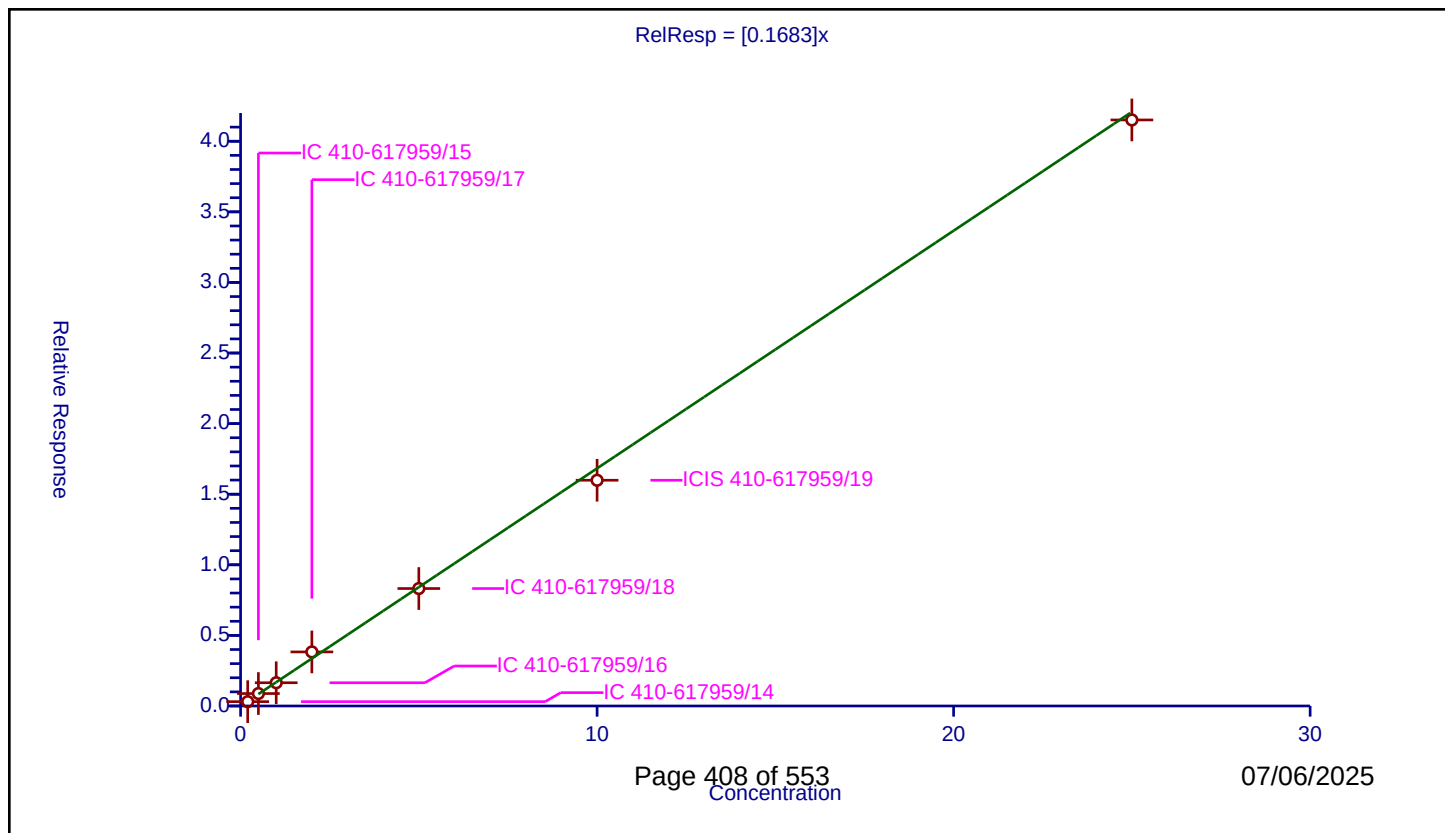
## Curve Coefficients

Intercept: 0  
Slope: 0.1683

## Error Coefficients

Relative Standard Deviation: 7.3

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.030737   | 10.0      | 2130985.0   | 0.153685 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.088062   | 10.0      | 1902526.0   | 0.176124 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.164615   | 10.0      | 2216451.0   | 0.164615 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.382941   | 10.0      | 1948679.0   | 0.191471 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 0.831955   | 10.0      | 2375608.0   | 0.166391 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 1.598931   | 10.0      | 2528151.0   | 0.159893 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 4.150932   | 10.0      | 2691008.0   | 0.166037 | Y    |



# Calibration

/ Tetrahydrofuran

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

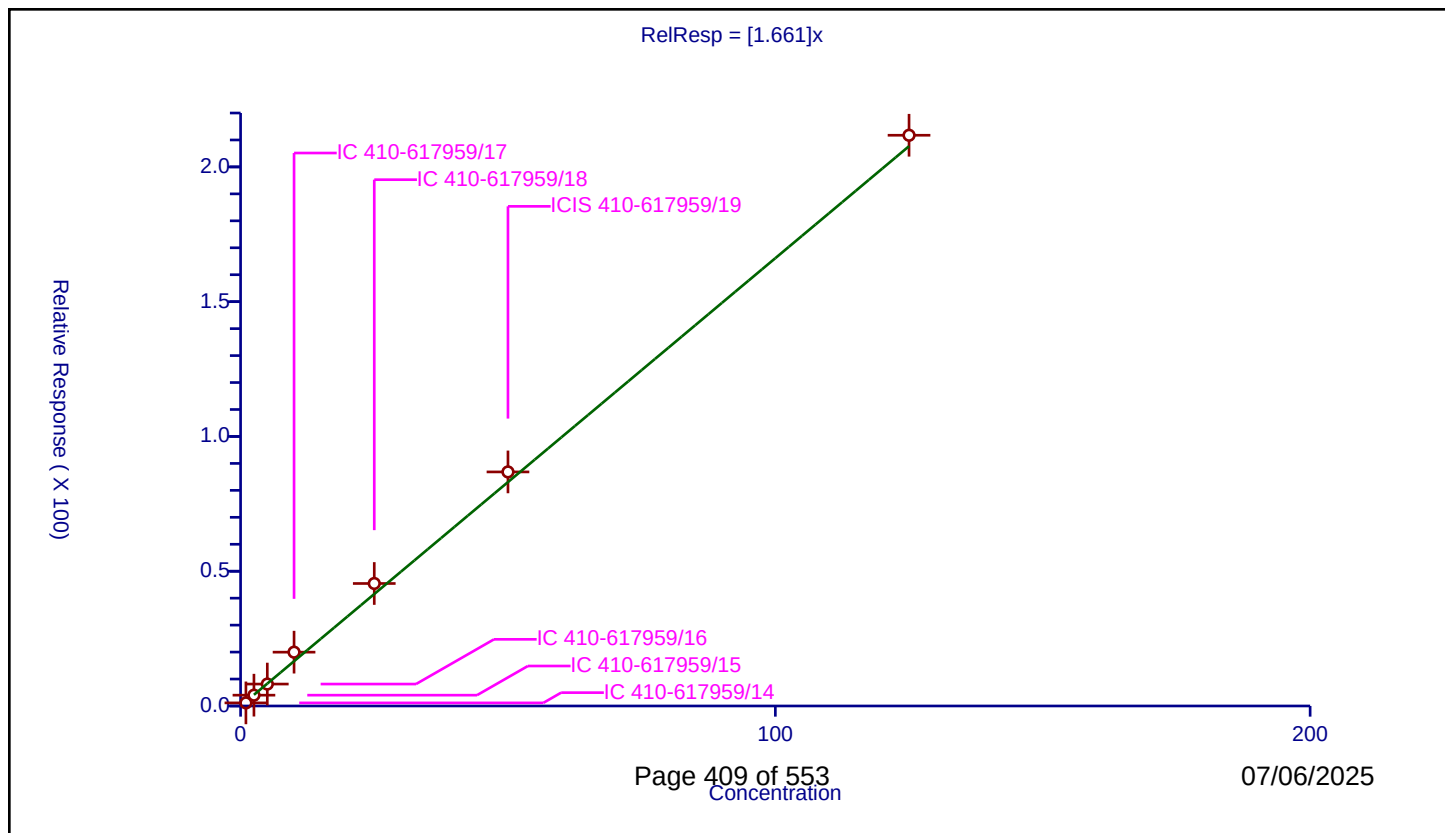
## Curve Coefficients

Intercept: 0  
 Slope: 1.661

## Error Coefficients

Relative Standard Deviation: 15.6

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 1.0           | 1.154828   | 50.0      | 173186.0    | 1.154828 | Y    |
| 2  | IC 410-617959/15   | 2.5           | 4.008414   | 50.0      | 150234.0    | 1.603365 | Y    |
| 3  | IC 410-617959/16   | 5.0           | 8.133776   | 50.0      | 176683.0    | 1.626755 | Y    |
| 4  | IC 410-617959/17   | 10.0          | 19.968809  | 50.0      | 155813.0    | 1.996881 | Y    |
| 5  | IC 410-617959/18   | 25.0          | 45.447565  | 50.0      | 177762.0    | 1.817903 | Y    |
| 6  | ICIS 410-617959/19 | 50.0          | 86.838829  | 50.0      | 197604.0    | 1.736777 | Y    |
| 7  | IC 410-617959/20   | 125.0         | 211.748216 | 50.0      | 216169.0    | 1.693986 | Y    |



# Calibration

/ Chloroform

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

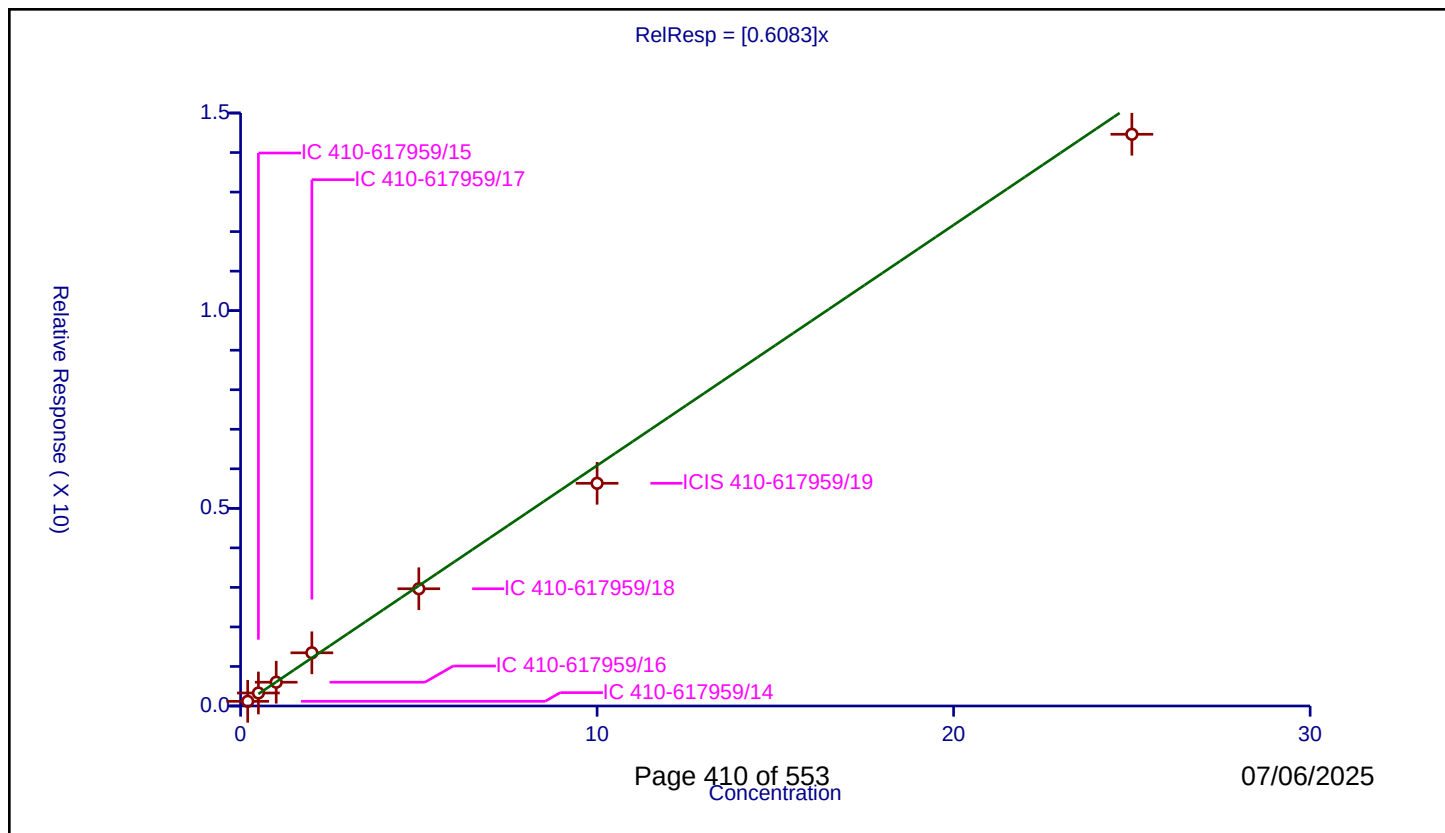
## Curve Coefficients

Intercept: 0  
 Slope: 0.6083

## Error Coefficients

Relative Standard Deviation: 6.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.118433   | 10.0      | 2130985.0   | 0.592167 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.328589   | 10.0      | 1902526.0   | 0.657179 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.601114   | 10.0      | 2216451.0   | 0.601114 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.345727   | 10.0      | 1948679.0   | 0.672864 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.965565   | 10.0      | 2375608.0   | 0.593113 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.633876   | 10.0      | 2528151.0   | 0.563388 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 14.462454  | 10.0      | 2691008.0   | 0.578498 | Y    |



# Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

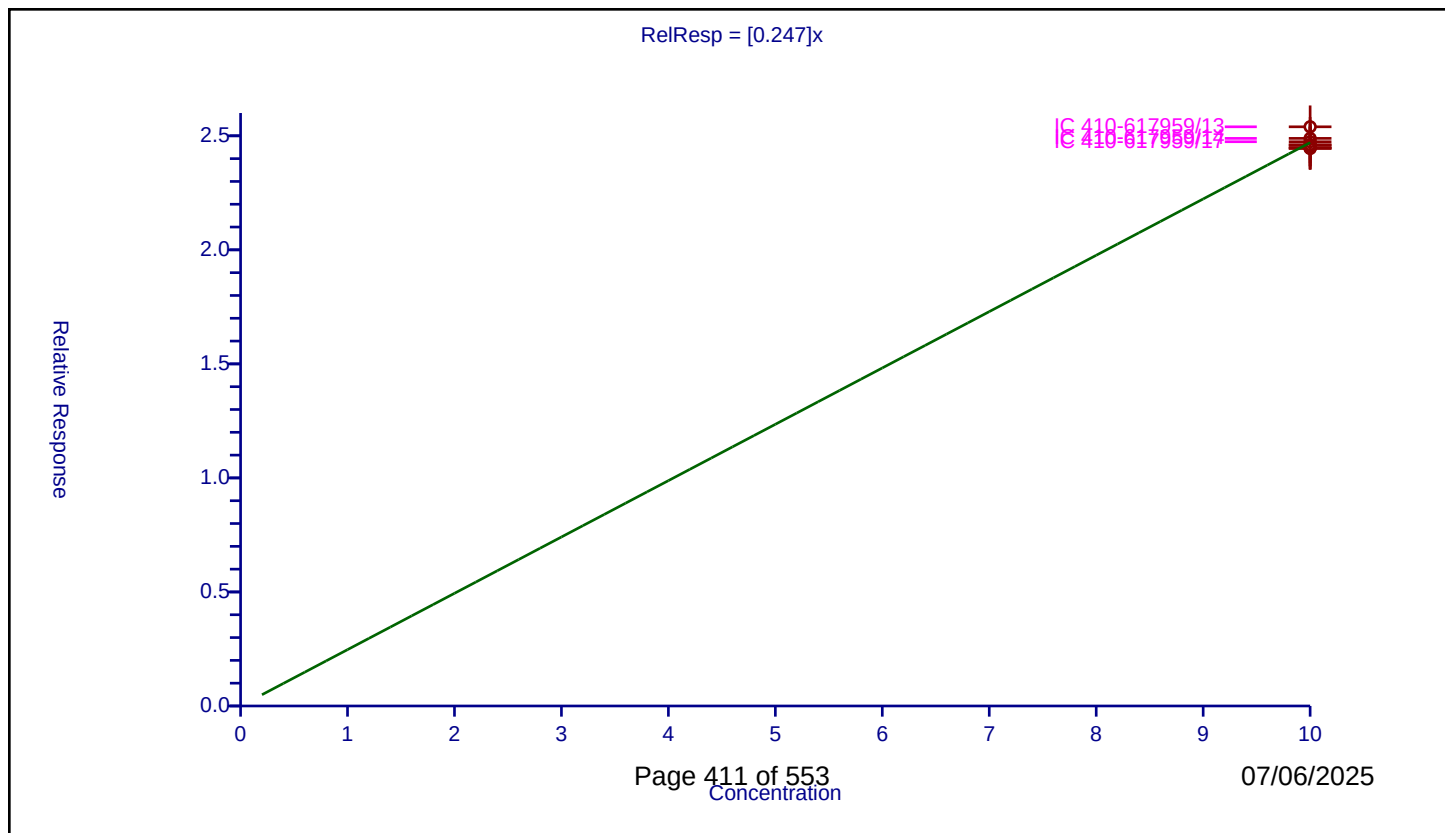
## Curve Coefficients

Intercept: 0  
 Slope: 0.247

## Error Coefficients

Relative Standard Deviation: 1.3

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 10.0          | 2.539563   | 10.0      | 1835182.0   | 0.253956 | Y    |
| 2  | IC 410-617959/14   | 10.0          | 2.488844   | 10.0      | 2130985.0   | 0.248884 | Y    |
| 3  | IC 410-617959/15   | 10.0          | 2.444687   | 10.0      | 1902526.0   | 0.244469 | Y    |
| 4  | IC 410-617959/16   | 10.0          | 2.460009   | 10.0      | 2216451.0   | 0.246001 | Y    |
| 5  | IC 410-617959/17   | 10.0          | 2.47402    | 10.0      | 1948679.0   | 0.247402 | Y    |
| 6  | IC 410-617959/18   | 10.0          | 2.448674   | 10.0      | 2375608.0   | 0.244867 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 2.46013    | 10.0      | 2528151.0   | 0.246013 | Y    |
| 8  | IC 410-617959/20   | 10.0          | 2.44566    | 10.0      | 2691008.0   | 0.244566 | 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

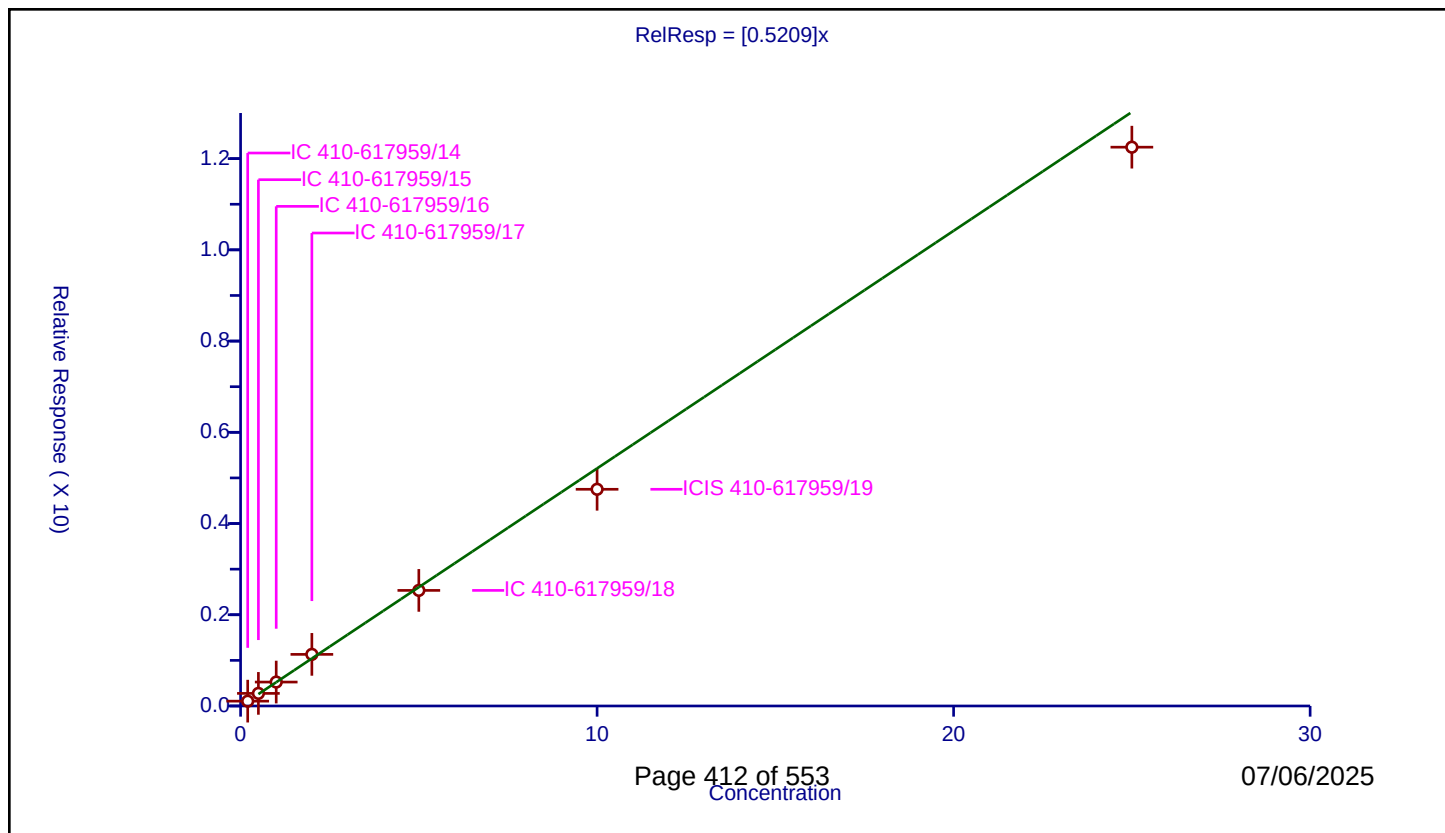
## Curve Coefficients

Intercept: 0  
Slope: 0.5209

## Error Coefficients

Relative Standard Deviation: 6.3

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.106289   | 10.0      | 2130985.0   | 0.531444 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.27627    | 10.0      | 1902526.0   | 0.552539 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.524501   | 10.0      | 2216451.0   | 0.524501 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.131613   | 10.0      | 1948679.0   | 0.565806 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.533894   | 10.0      | 2375608.0   | 0.506779 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.750962   | 10.0      | 2528151.0   | 0.475096 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 12.250986  | 10.0      | 2691008.0   | 0.490039 | Y    |





## Calibration

/ Cyclohexane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

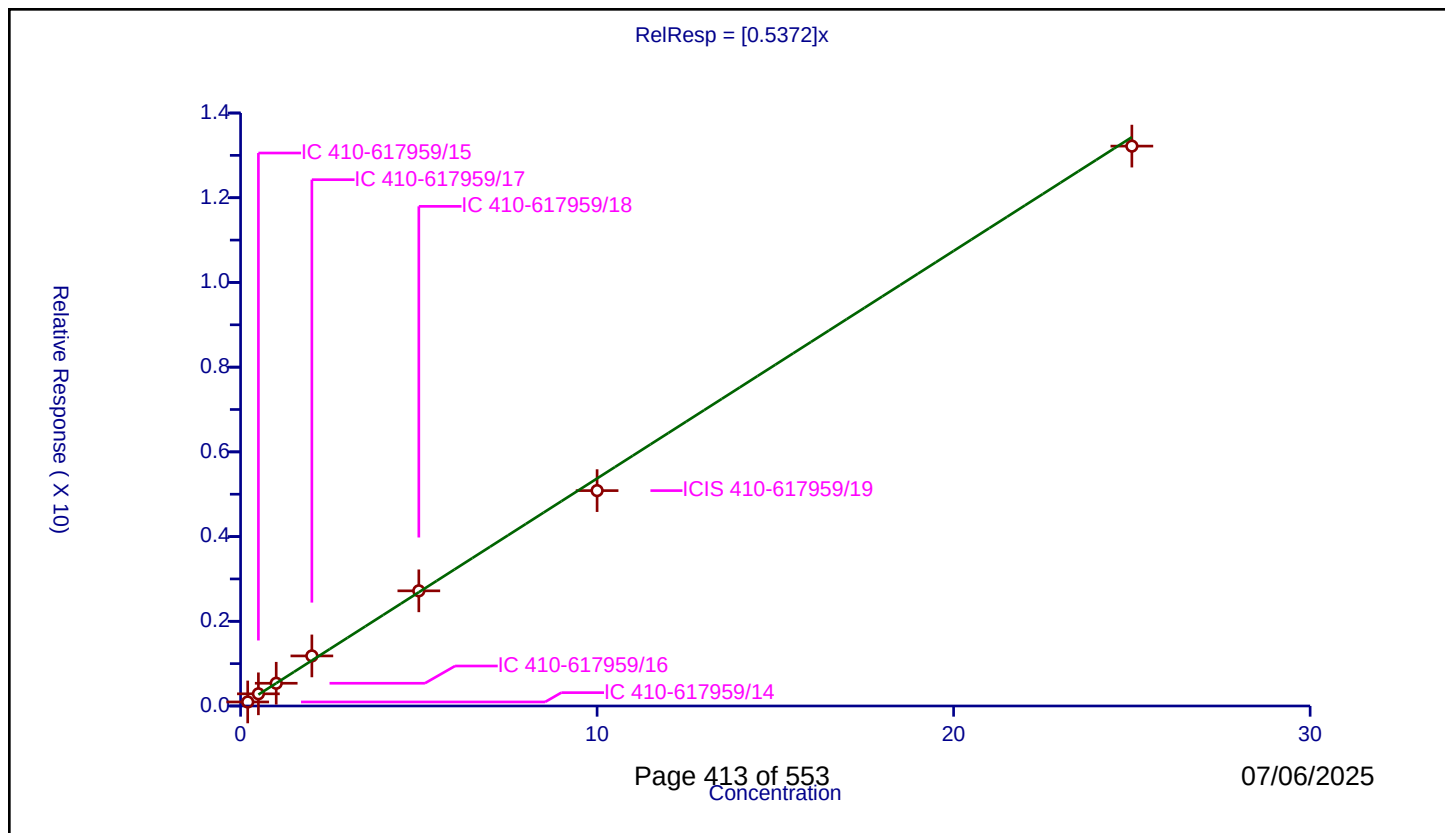
## Curve Coefficients

Intercept: 0  
Slope: 0.5372

## Error Coefficients

Relative Standard Deviation: 7.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.0955     | 10.0      | 2130985.0   | 0.477502 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.287202   | 10.0      | 1902526.0   | 0.574405 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.536448   | 10.0      | 2216451.0   | 0.536448 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.182026   | 10.0      | 1948679.0   | 0.591013 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.718866   | 10.0      | 2375608.0   | 0.543773 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.084791   | 10.0      | 2528151.0   | 0.508479 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 13.218935  | 10.0      | 2691008.0   | 0.528757 | Y    |



## Calibration

/ Carbon tetrachloride

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

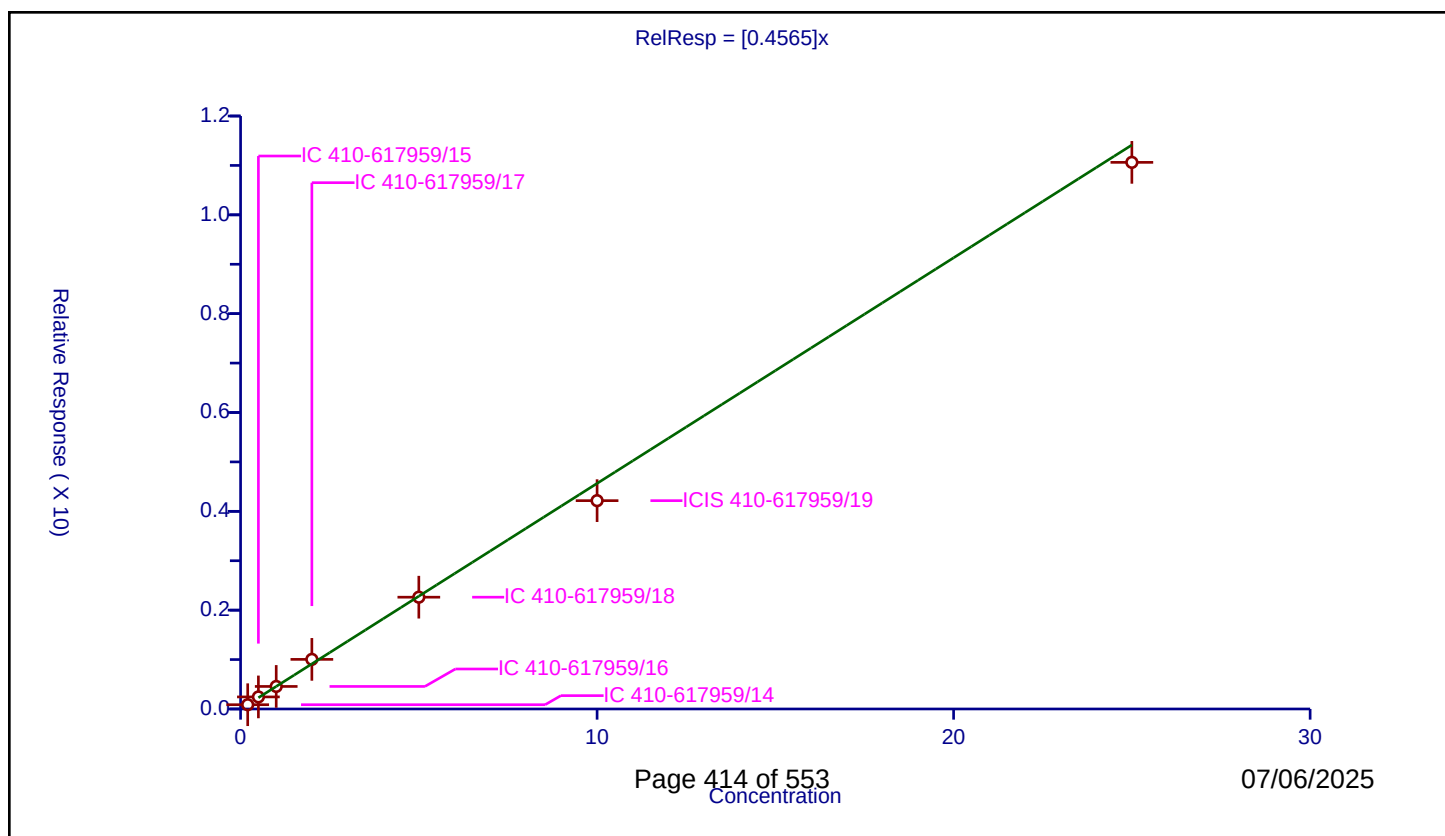
## Curve Coefficients

Intercept: 0  
Slope: 0.4565

## Error Coefficients

Relative Standard Deviation: 6.4

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.086528   | 10.0      | 2130985.0   | 0.43264  | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.24417    | 10.0      | 1902526.0   | 0.48834  | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.456247   | 10.0      | 2216451.0   | 0.456247 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.003824   | 10.0      | 1948679.0   | 0.501912 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.262465   | 10.0      | 2375608.0   | 0.452493 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.215836   | 10.0      | 2528151.0   | 0.421584 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 11.062141  | 10.0      | 2691008.0   | 0.442486 | Y    |



# Calibration

/ 1,1-Dichloropropene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

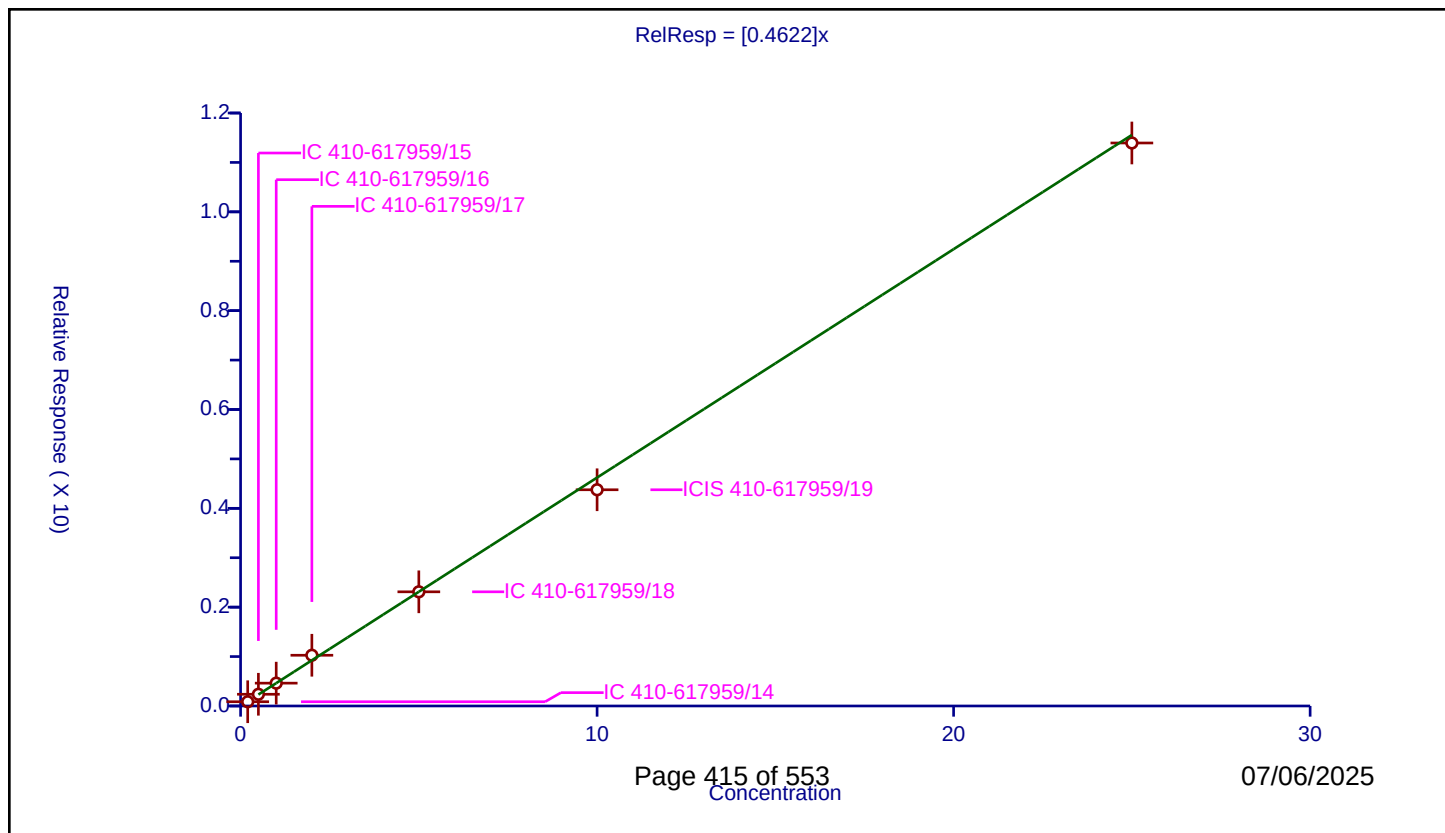
## Curve Coefficients

Intercept: 0  
Slope: 0.4622

## Error Coefficients

Relative Standard Deviation: 5.9

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.085946   | 10.0      | 2130985.0   | 0.429731 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.237363   | 10.0      | 1902526.0   | 0.474727 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.462388   | 10.0      | 2216451.0   | 0.462388 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.026593   | 10.0      | 1948679.0   | 0.513296 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.310343   | 10.0      | 2375608.0   | 0.462069 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.375815   | 10.0      | 2528151.0   | 0.437581 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 11.393519  | 10.0      | 2691008.0   | 0.455741 | Y    |



# Calibration

/ Isobutyl alcohol

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

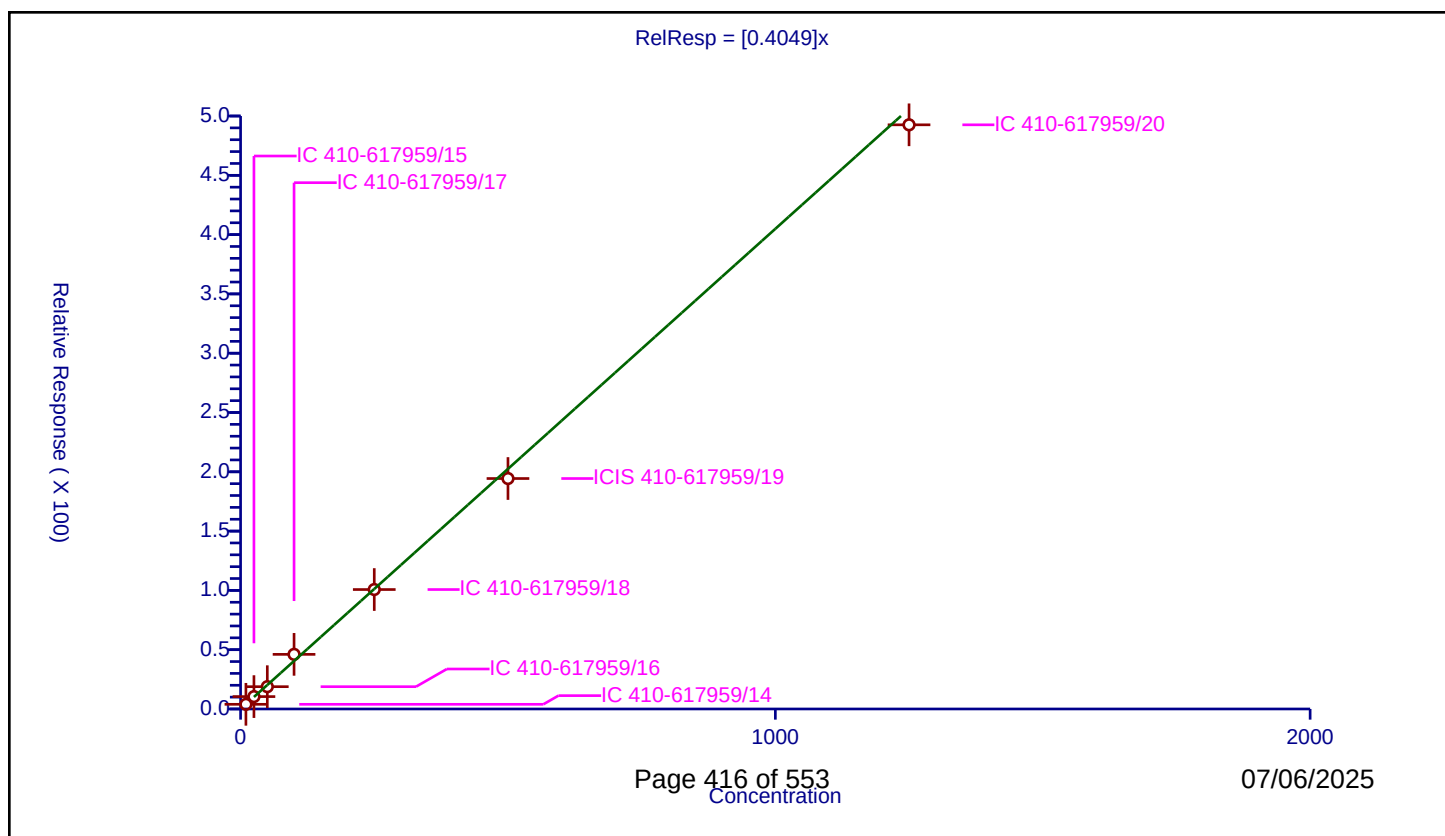
## Curve Coefficients

Intercept: 0  
Slope: 0.4049

## Error Coefficients

Relative Standard Deviation: 6.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 10.0          | 3.941716   | 50.0      | 173186.0    | 0.394172 | Y    |
| 2  | IC 410-617959/15   | 25.0          | 10.445372  | 50.0      | 150234.0    | 0.417815 | Y    |
| 3  | IC 410-617959/16   | 50.0          | 18.798922  | 50.0      | 176683.0    | 0.375978 | Y    |
| 4  | IC 410-617959/17   | 100.0         | 46.063871  | 50.0      | 155813.0    | 0.460639 | Y    |
| 5  | IC 410-617959/18   | 250.0         | 100.734971 | 50.0      | 177762.0    | 0.40294  | Y    |
| 6  | ICIS 410-617959/19 | 500.0         | 194.330074 | 50.0      | 197604.0    | 0.38866  | Y    |
| 7  | IC 410-617959/20   | 1250.0        | 492.578261 | 50.0      | 216169.0    | 0.394063 | Y    |



# Calibration

/ 1,2-Dichloroethane-d4 (Surr)

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

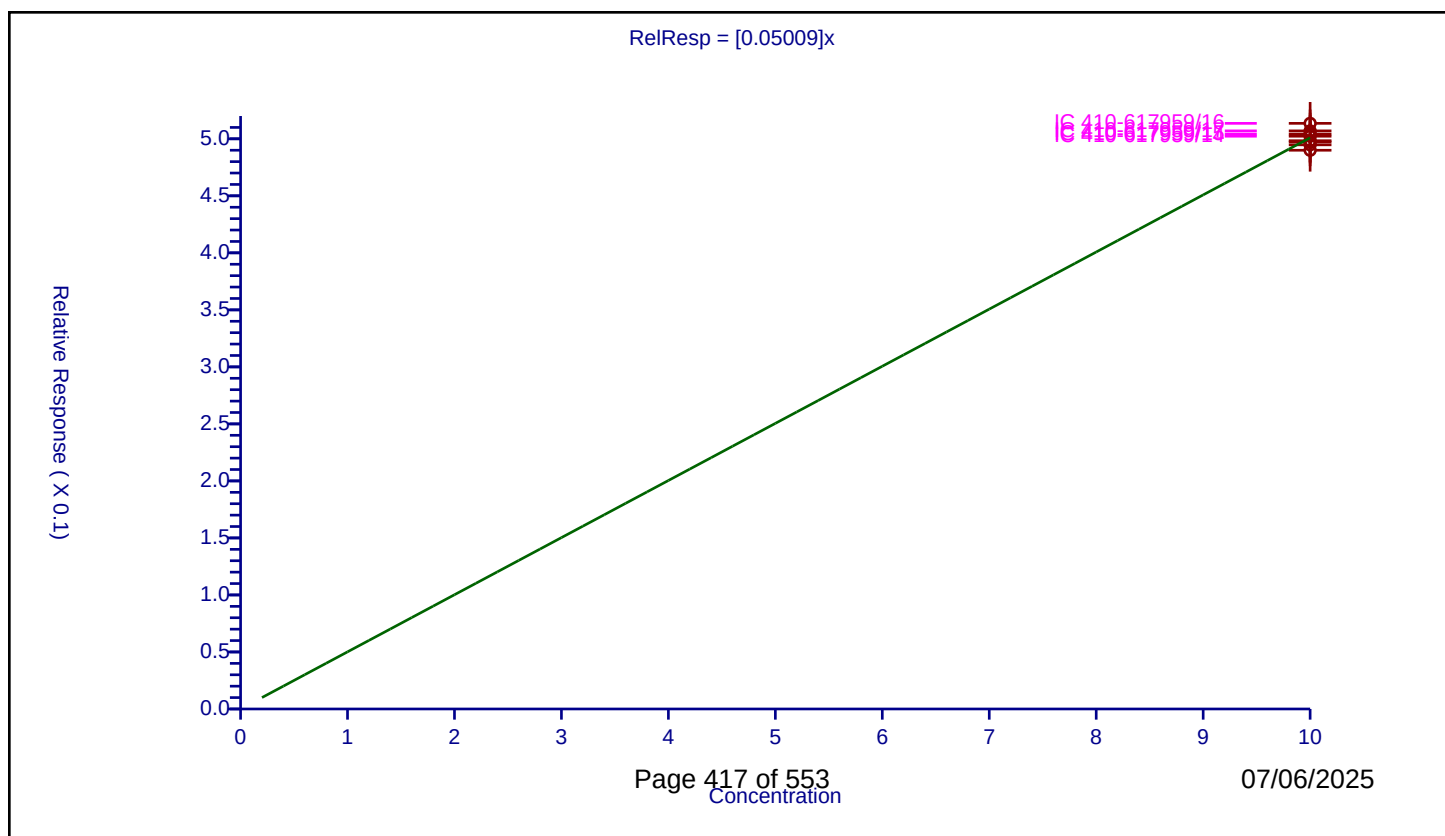
## Curve Coefficients

Intercept: 0  
 Slope: 0.05009

## Error Coefficients

Relative Standard Deviation: 1.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 10.0          | 0.498354   | 10.0      | 1835182.0   | 0.049835 | Y    |
| 2  | IC 410-617959/14   | 10.0          | 0.502275   | 10.0      | 2130985.0   | 0.050227 | Y    |
| 3  | IC 410-617959/15   | 10.0          | 0.504167   | 10.0      | 1902526.0   | 0.050417 | Y    |
| 4  | IC 410-617959/16   | 10.0          | 0.513573   | 10.0      | 2216451.0   | 0.051357 | Y    |
| 5  | IC 410-617959/17   | 10.0          | 0.506979   | 10.0      | 1948679.0   | 0.050698 | Y    |
| 6  | IC 410-617959/18   | 10.0          | 0.497224   | 10.0      | 2375608.0   | 0.049722 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 0.494721   | 10.0      | 2528151.0   | 0.049472 | Y    |
| 8  | IC 410-617959/20   | 10.0          | 0.489965   | 10.0      | 2691008.0   | 0.048997 | Y    |



## Calibration

/ Benzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

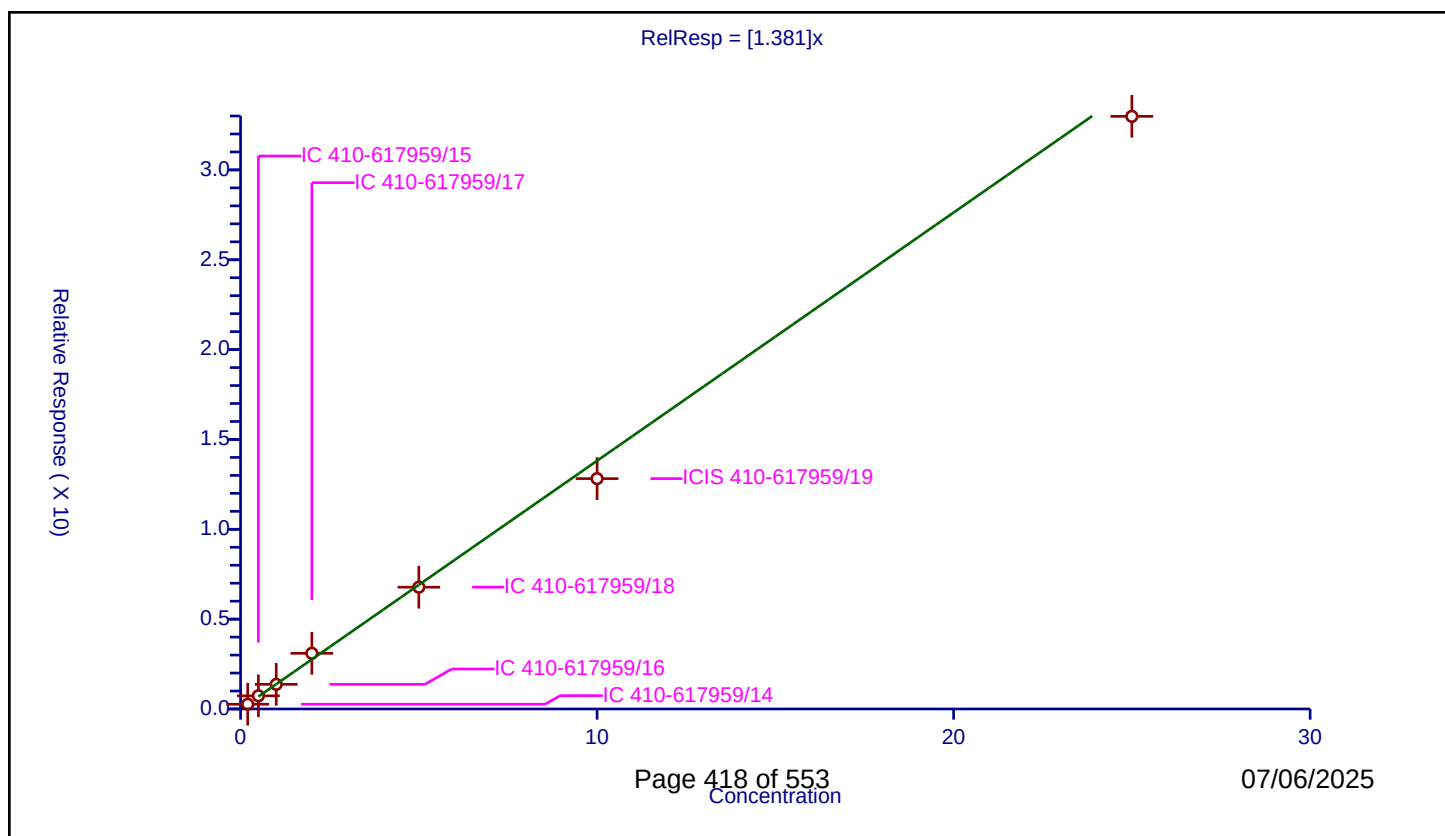
## Curve Coefficients

Intercept: 0  
Slope: 1.381

## Error Coefficients

Relative Standard Deviation: 6.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.264953   | 10.0      | 2130985.0   | 1.324763 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.732784   | 10.0      | 1902526.0   | 1.465567 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.37241    | 10.0      | 2216451.0   | 1.37241  | Y    |
| 4  | IC 410-617959/17   | 2.0           | 3.100141   | 10.0      | 1948679.0   | 1.550071 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 6.778644   | 10.0      | 2375608.0   | 1.355729 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 12.820207  | 10.0      | 2528151.0   | 1.282021 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 32.979999  | 10.0      | 2691008.0   | 1.3192   | Y    |



## Calibration

/ 1,2-Dichloroethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

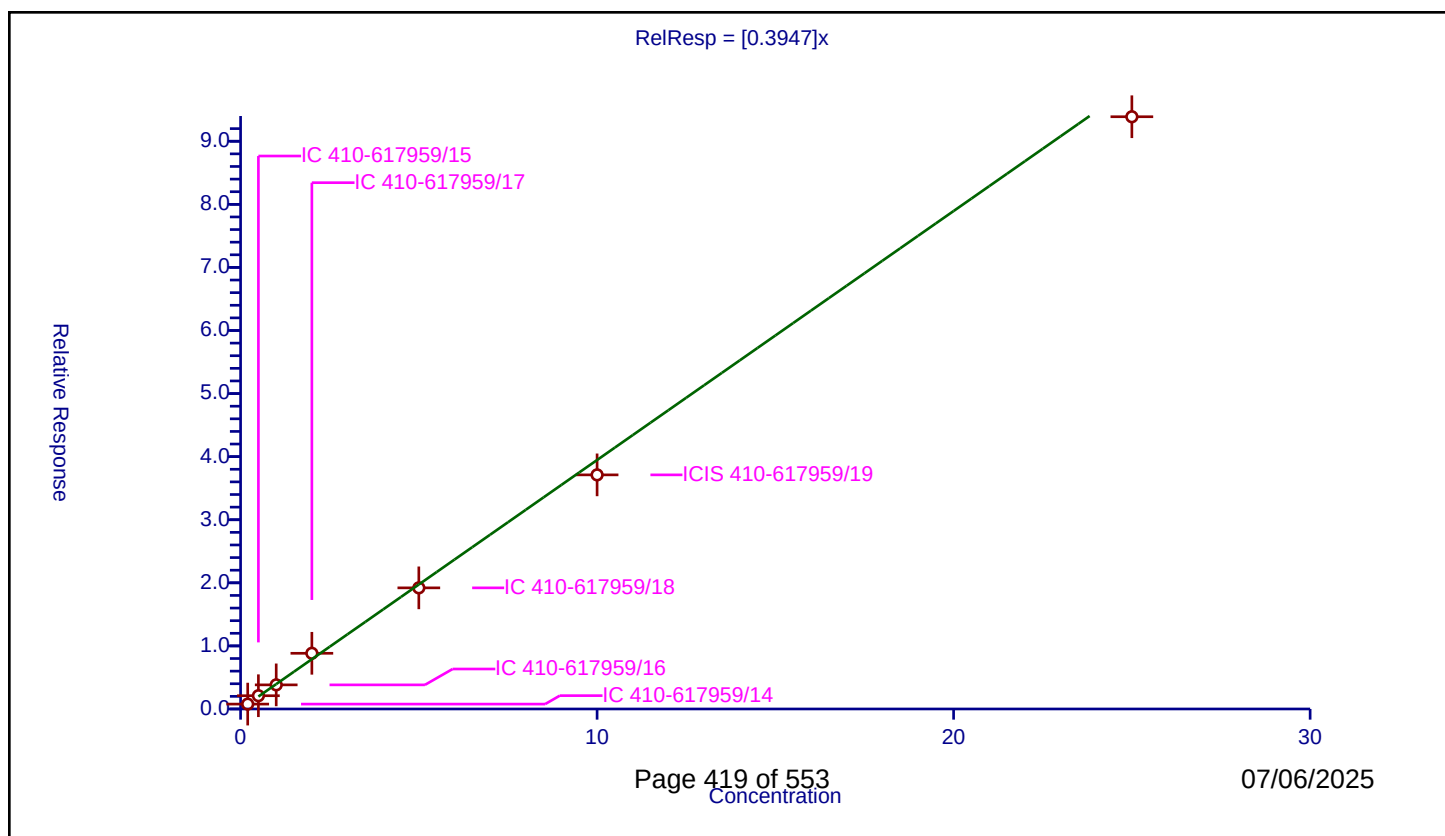
## Curve Coefficients

Intercept: 0  
Slope: 0.3947

## Error Coefficients

Relative Standard Deviation: 6.6

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.077617   | 10.0      | 2130985.0   | 0.388083 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.210252   | 10.0      | 1902526.0   | 0.420504 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.382179   | 10.0      | 2216451.0   | 0.382179 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.882824   | 10.0      | 1948679.0   | 0.441412 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.92035    | 10.0      | 2375608.0   | 0.38407  | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 3.711214   | 10.0      | 2528151.0   | 0.371121 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 9.38837    | 10.0      | 2691008.0   | 0.375535 | 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

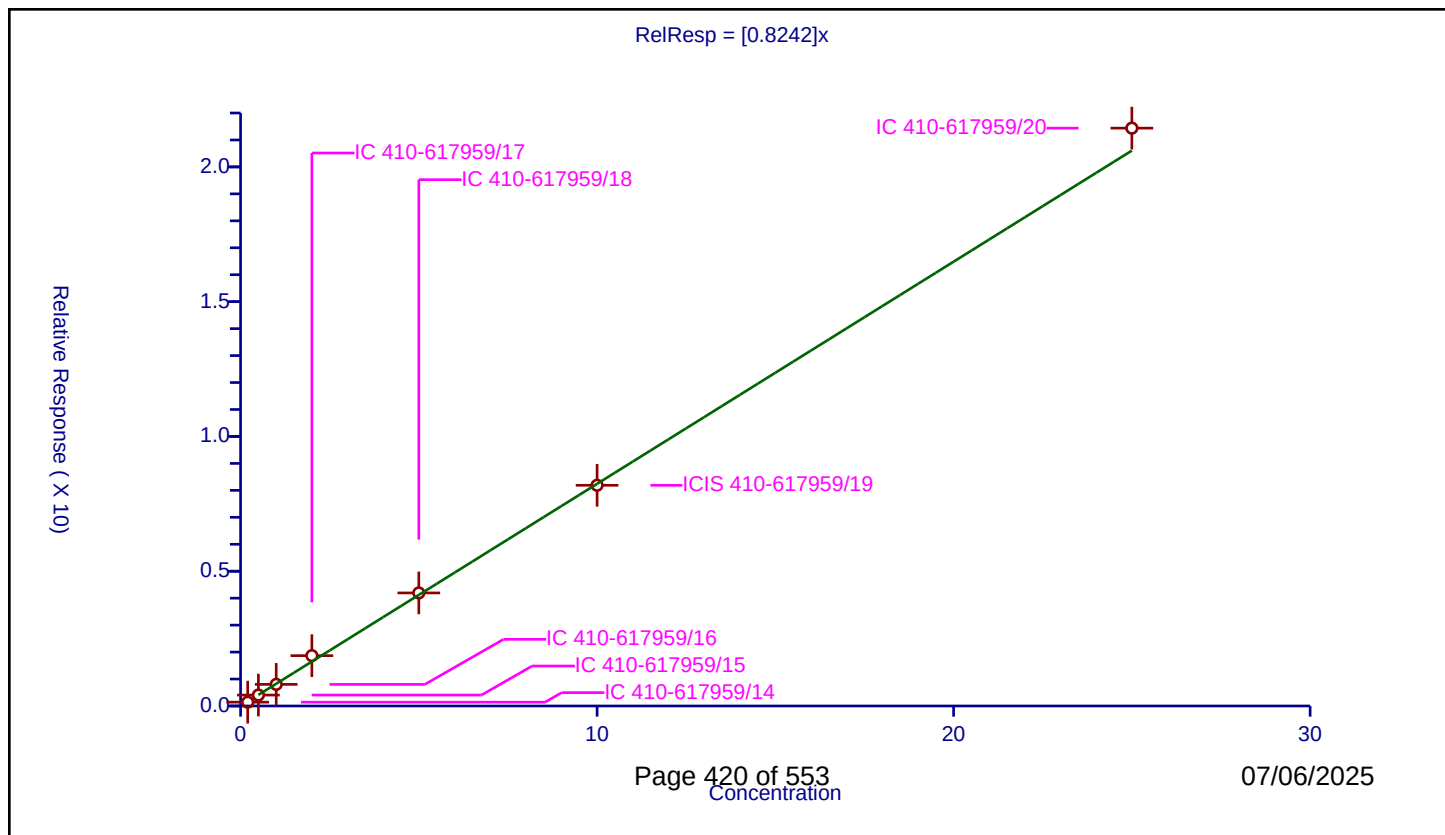
## Curve Coefficients

Intercept: 0  
Slope: 0.8242

## Error Coefficients

Relative Standard Deviation: 8.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.141639   | 10.0      | 2130985.0   | 0.708194 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.405209   | 10.0      | 1902526.0   | 0.810417 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.801764   | 10.0      | 2216451.0   | 0.801764 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.867552   | 10.0      | 1948679.0   | 0.933776 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 4.194551   | 10.0      | 2375608.0   | 0.83891  | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 8.188767   | 10.0      | 2528151.0   | 0.818877 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 21.438617  | 10.0      | 2691008.0   | 0.857545 | Y    |





## Calibration

/ n-Heptane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

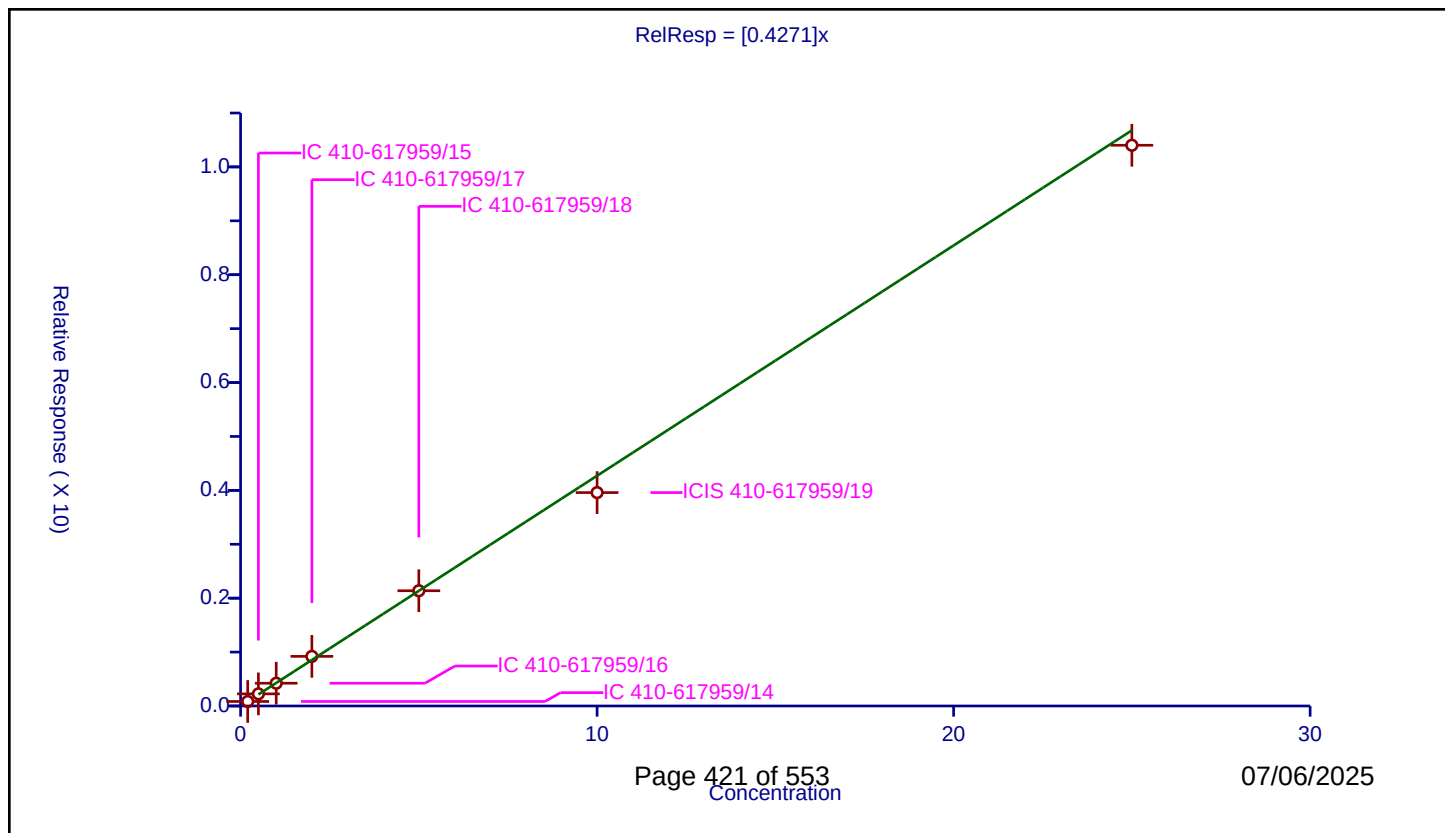
## Curve Coefficients

Intercept: 0  
Slope: 0.4271

## Error Coefficients

Relative Standard Deviation: 5.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.083694   | 10.0      | 2130985.0   | 0.418468 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.224722   | 10.0      | 1902526.0   | 0.449445 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.422378   | 10.0      | 2216451.0   | 0.422378 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.920449   | 10.0      | 1948679.0   | 0.460225 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.137579   | 10.0      | 2375608.0   | 0.427516 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 3.958652   | 10.0      | 2528151.0   | 0.395865 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 10.401738  | 10.0      | 2691008.0   | 0.41607  | Y    |



## Calibration

/ n-Butanol

Curve Type: Linear  
Weighting: None  
Origin: None  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

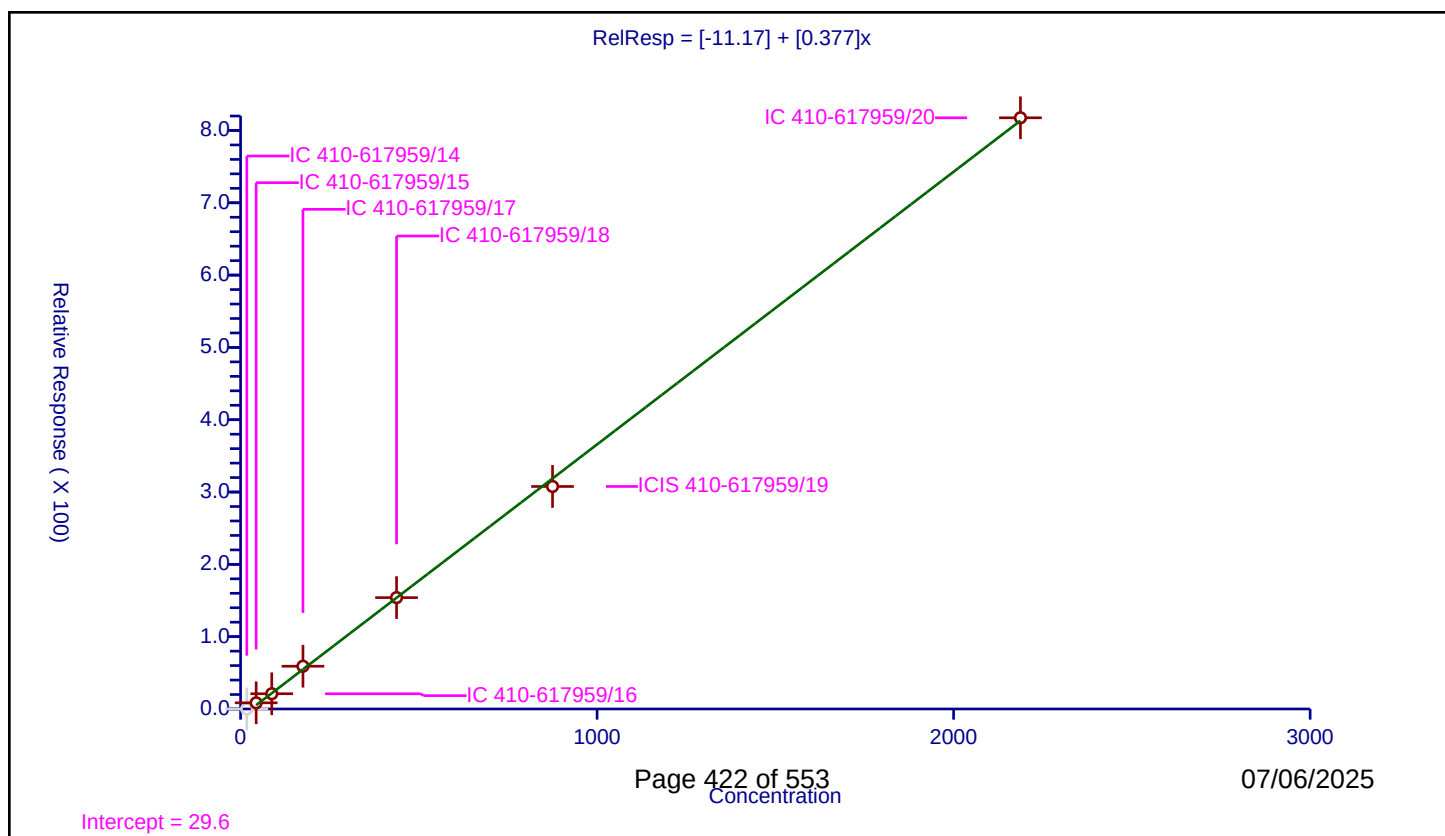
## Curve Coefficients

Intercept: -11.17  
Slope: 0.377

## Error Coefficients

Relative Standard Deviation: 10.4

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 17.5          | 0.0        | 50.0      | 173186.0    | 0.0      | N    |
| 2  | IC 410-617959/15   | 43.75         | 8.523703   | 50.0      | 150234.0    | 0.194827 | Y    |
| 3  | IC 410-617959/16   | 87.5          | 21.072769  | 50.0      | 176683.0    | 0.240832 | Y    |
| 4  | IC 410-617959/17   | 175.0         | 59.141728  | 50.0      | 155813.0    | 0.337953 | Y    |
| 5  | IC 410-617959/18   | 437.5         | 154.013231 | 50.0      | 177762.0    | 0.35203  | Y    |
| 6  | ICIS 410-617959/19 | 875.0         | 307.723781 | 50.0      | 197604.0    | 0.351684 | Y    |
| 7  | IC 410-617959/20   | 2187.5        | 817.537899 | 50.0      | 216169.0    | 0.373732 | Y    |



# Calibration

/ Trichloroethene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

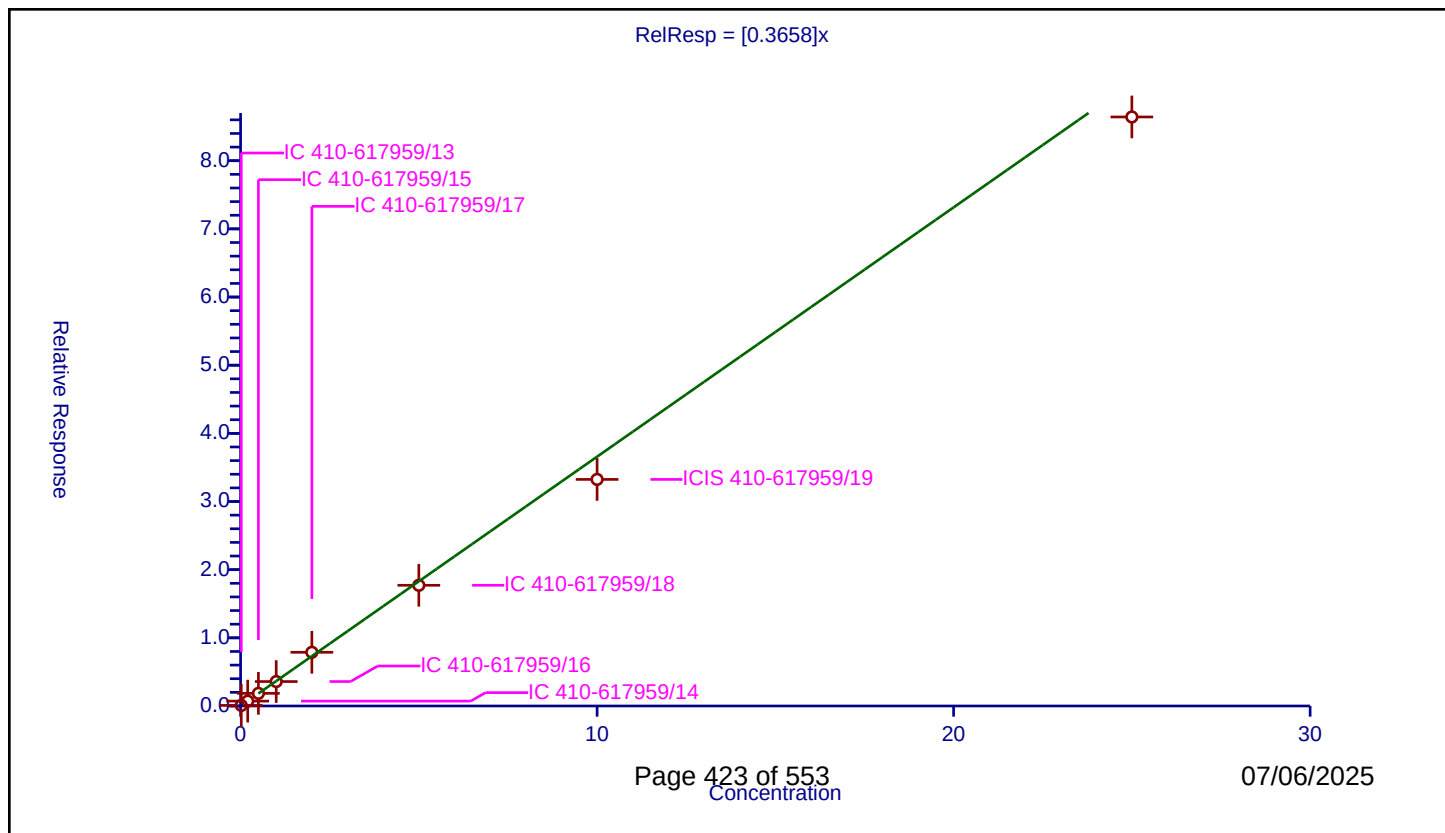
## Curve Coefficients

Intercept: 0  
Slope: 0.3658

## Error Coefficients

Relative Standard Deviation: 7.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.00825    | 10.0      | 1835182.0   | 0.412493 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.071662   | 10.0      | 2130985.0   | 0.358308 | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.185406   | 10.0      | 1902526.0   | 0.370812 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.358397   | 10.0      | 2216451.0   | 0.358397 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 0.787816   | 10.0      | 1948679.0   | 0.393908 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 1.770886   | 10.0      | 2375608.0   | 0.354177 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 3.324216   | 10.0      | 2528151.0   | 0.332422 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 8.642282   | 10.0      | 2691008.0   | 0.345691 | Y    |



## Calibration

/ Methylcyclohexane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

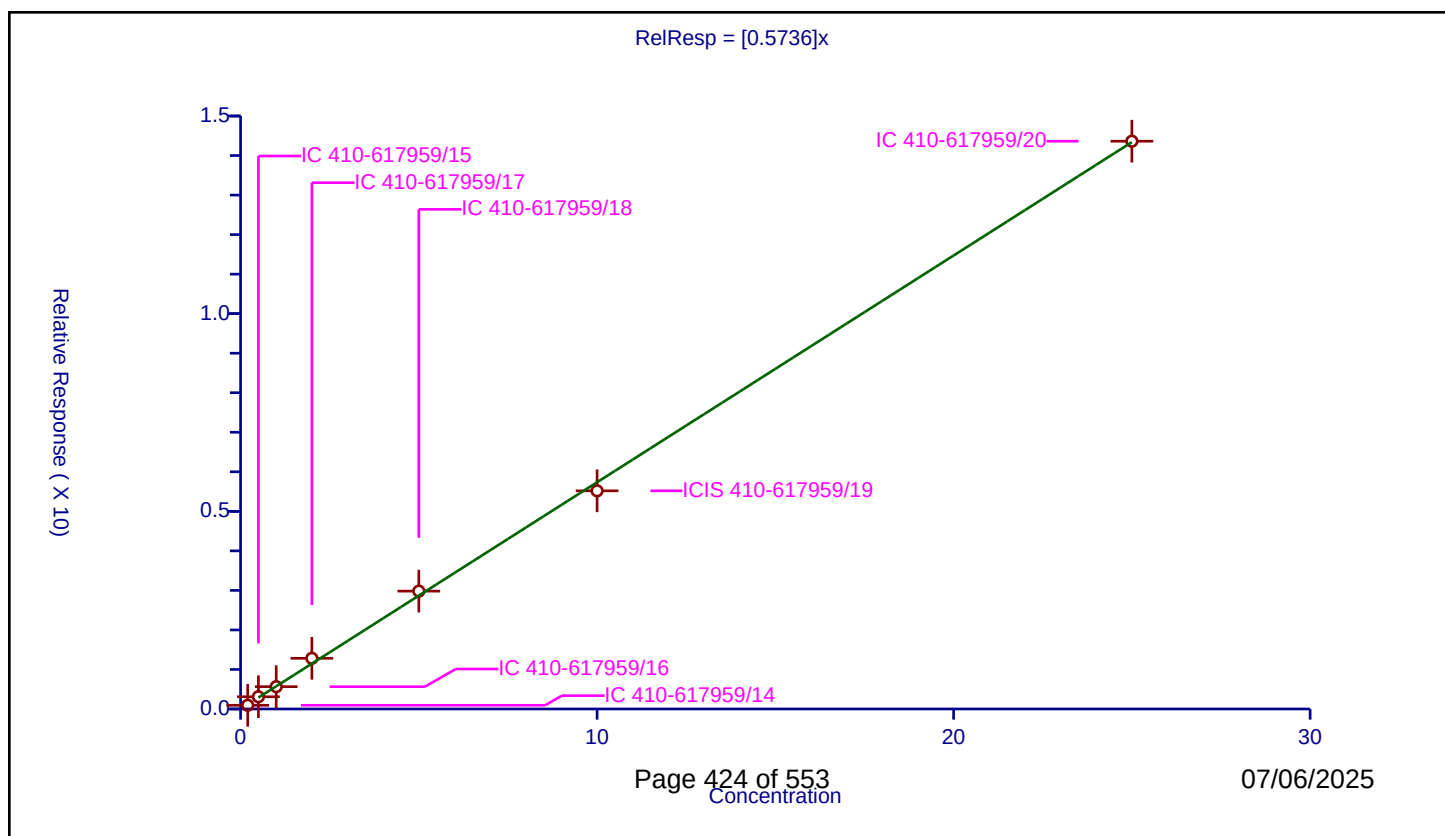
## Curve Coefficients

Intercept: 0  
Slope: 0.5736

## Error Coefficients

Relative Standard Deviation: 9.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.093741   | 10.0      | 2130985.0   | 0.468703 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.309336   | 10.0      | 1902526.0   | 0.618672 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.564077   | 10.0      | 2216451.0   | 0.564077 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.281761   | 10.0      | 1948679.0   | 0.64088  | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.980951   | 10.0      | 2375608.0   | 0.59619  | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.519006   | 10.0      | 2528151.0   | 0.551901 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 14.362232  | 10.0      | 2691008.0   | 0.574489 | Y    |



## Calibration

/ 1,2-Dichloropropane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

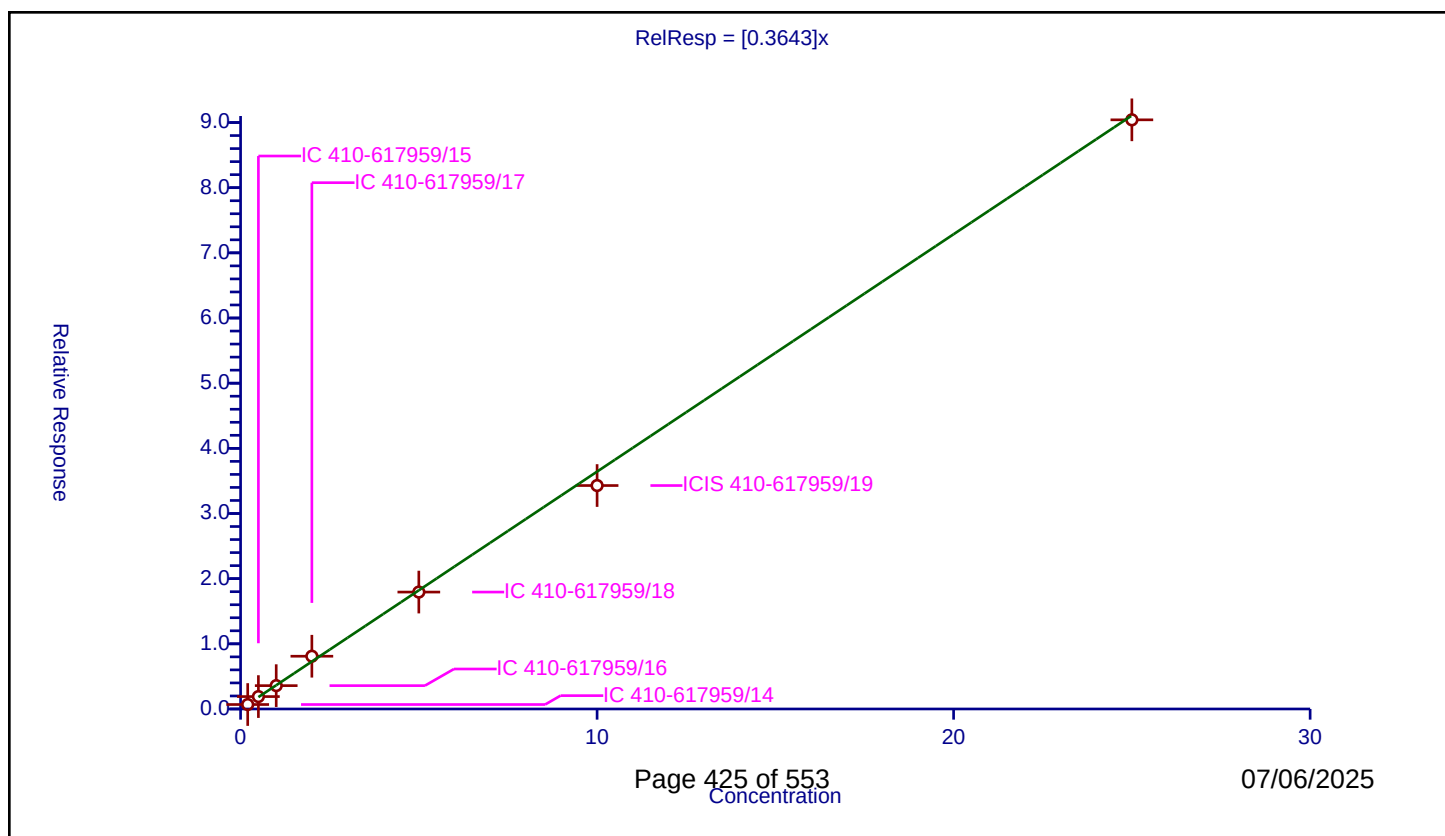
## Curve Coefficients

Intercept: 0  
Slope: 0.3643

## Error Coefficients

Relative Standard Deviation: 6.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.068499   | 10.0      | 2130985.0   | 0.342494 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.19051    | 10.0      | 1902526.0   | 0.38102  | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.358271   | 10.0      | 2216451.0   | 0.358271 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.80961    | 10.0      | 1948679.0   | 0.404805 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.794332   | 10.0      | 2375608.0   | 0.358866 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 3.429293   | 10.0      | 2528151.0   | 0.342929 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 9.041348   | 10.0      | 2691008.0   | 0.361654 | Y    |



## Calibration

/ 1,4-Dioxane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

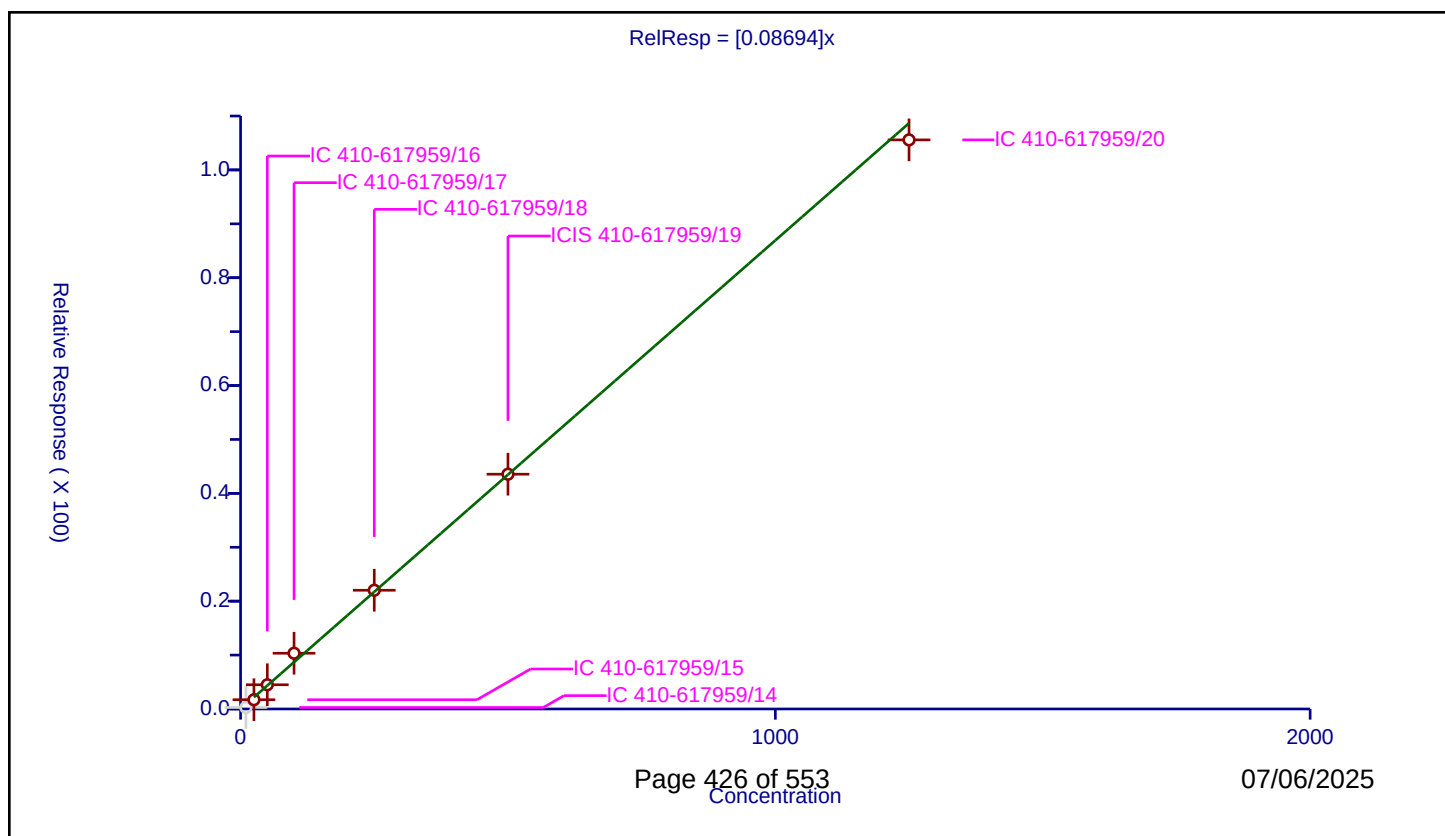
## Curve Coefficients

Intercept: 0  
Slope: 0.08694

## Error Coefficients

Relative Standard Deviation: 12.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 10.0          | 0.281778   | 50.0      | 173186.0    | 0.028178 | N    |
| 2  | IC 410-617959/15   | 25.0          | 1.716655   | 50.0      | 150234.0    | 0.068666 | Y    |
| 3  | IC 410-617959/16   | 50.0          | 4.492792   | 50.0      | 176683.0    | 0.089856 | Y    |
| 4  | IC 410-617959/17   | 100.0         | 10.343168  | 50.0      | 155813.0    | 0.103432 | Y    |
| 5  | IC 410-617959/18   | 250.0         | 22.024111  | 50.0      | 177762.0    | 0.088096 | Y    |
| 6  | ICIS 410-617959/19 | 500.0         | 43.556051  | 50.0      | 197604.0    | 0.087112 | Y    |
| 7  | IC 410-617959/20   | 1250.0        | 105.572261 | 50.0      | 216169.0    | 0.084458 | Y    |



## Calibration

/ Methyl methacrylate

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

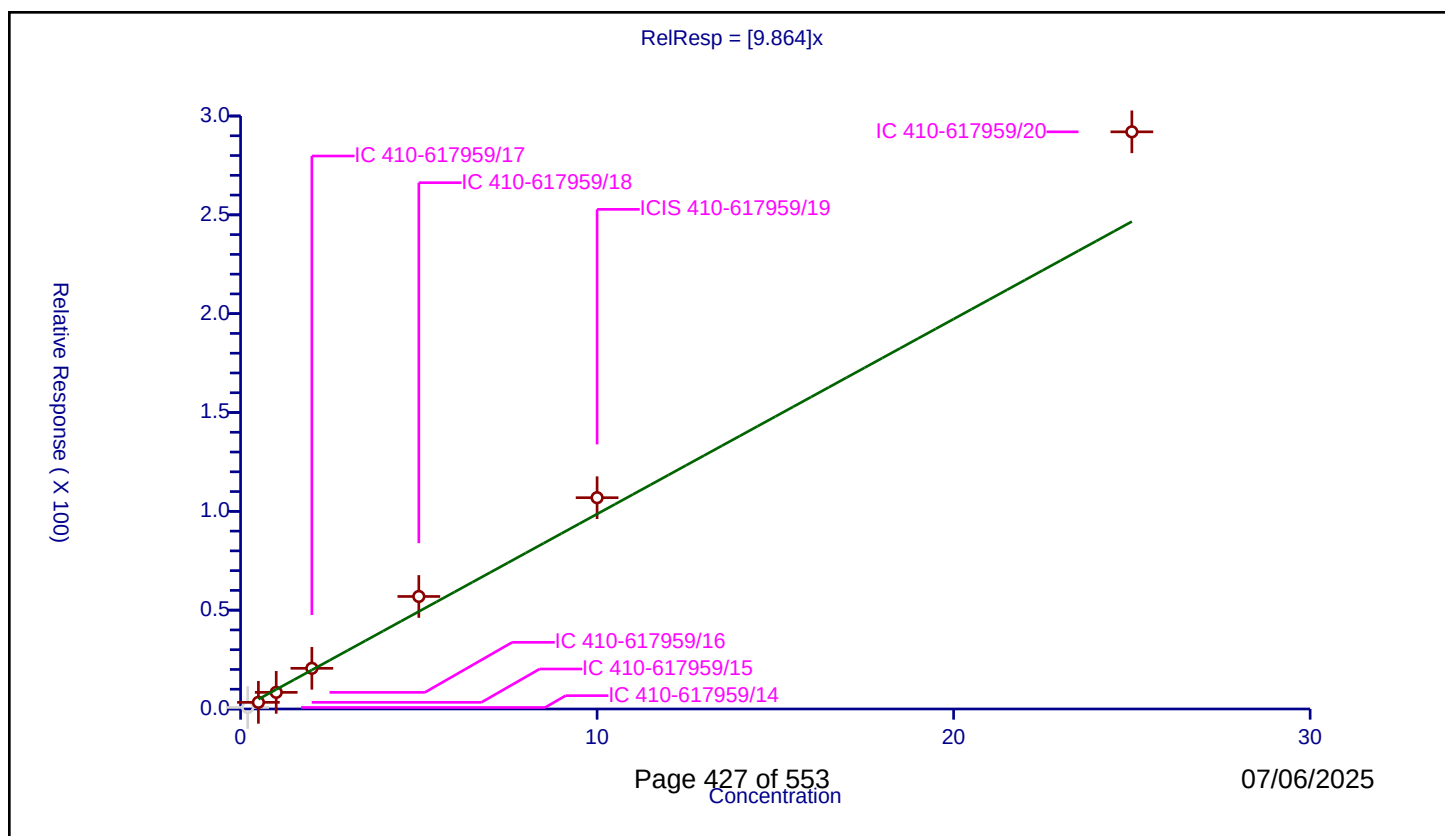
## Curve Coefficients

Intercept: 0  
Slope: 9.864

## Error Coefficients

Relative Standard Deviation: 19.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF       | Used |
|----|--------------------|---------------|------------|-----------|-------------|-----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.771714   | 50.0      | 173186.0    | 3.858568  | N    |
| 2  | IC 410-617959/15   | 0.5           | 3.360092   | 50.0      | 150234.0    | 6.720183  | Y    |
| 3  | IC 410-617959/16   | 1.0           | 8.417901   | 50.0      | 176683.0    | 8.417901  | Y    |
| 4  | IC 410-617959/17   | 2.0           | 20.580118  | 50.0      | 155813.0    | 10.290059 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 56.928646  | 50.0      | 177762.0    | 11.385729 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 106.894597 | 50.0      | 197604.0    | 10.68946  | Y    |
| 7  | IC 410-617959/20   | 25.0          | 291.993302 | 50.0      | 216169.0    | 11.679732 | Y    |



## Calibration

/ Dibromomethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

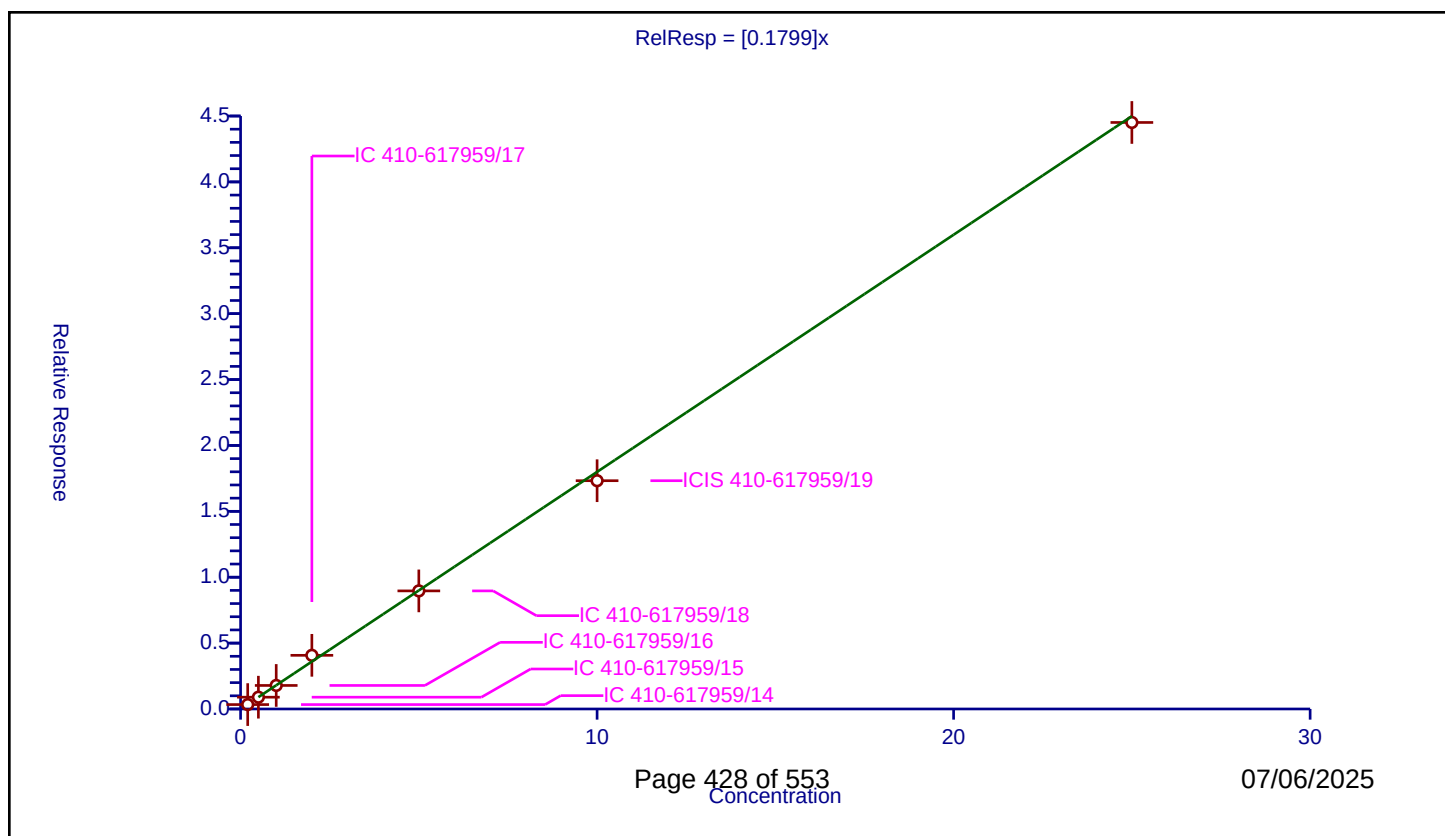
## Curve Coefficients

Intercept: 0  
Slope: 0.1799

## Error Coefficients

Relative Standard Deviation: 6.3

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.033548   | 10.0      | 2130985.0   | 0.167739 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.089555   | 10.0      | 1902526.0   | 0.179109 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.178628   | 10.0      | 2216451.0   | 0.178628 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.407168   | 10.0      | 1948679.0   | 0.203584 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 0.896293   | 10.0      | 2375608.0   | 0.179259 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 1.73242    | 10.0      | 2528151.0   | 0.173242 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 4.45109    | 10.0      | 2691008.0   | 0.178044 | Y    |





## Calibration

/ Dichlorobromomethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

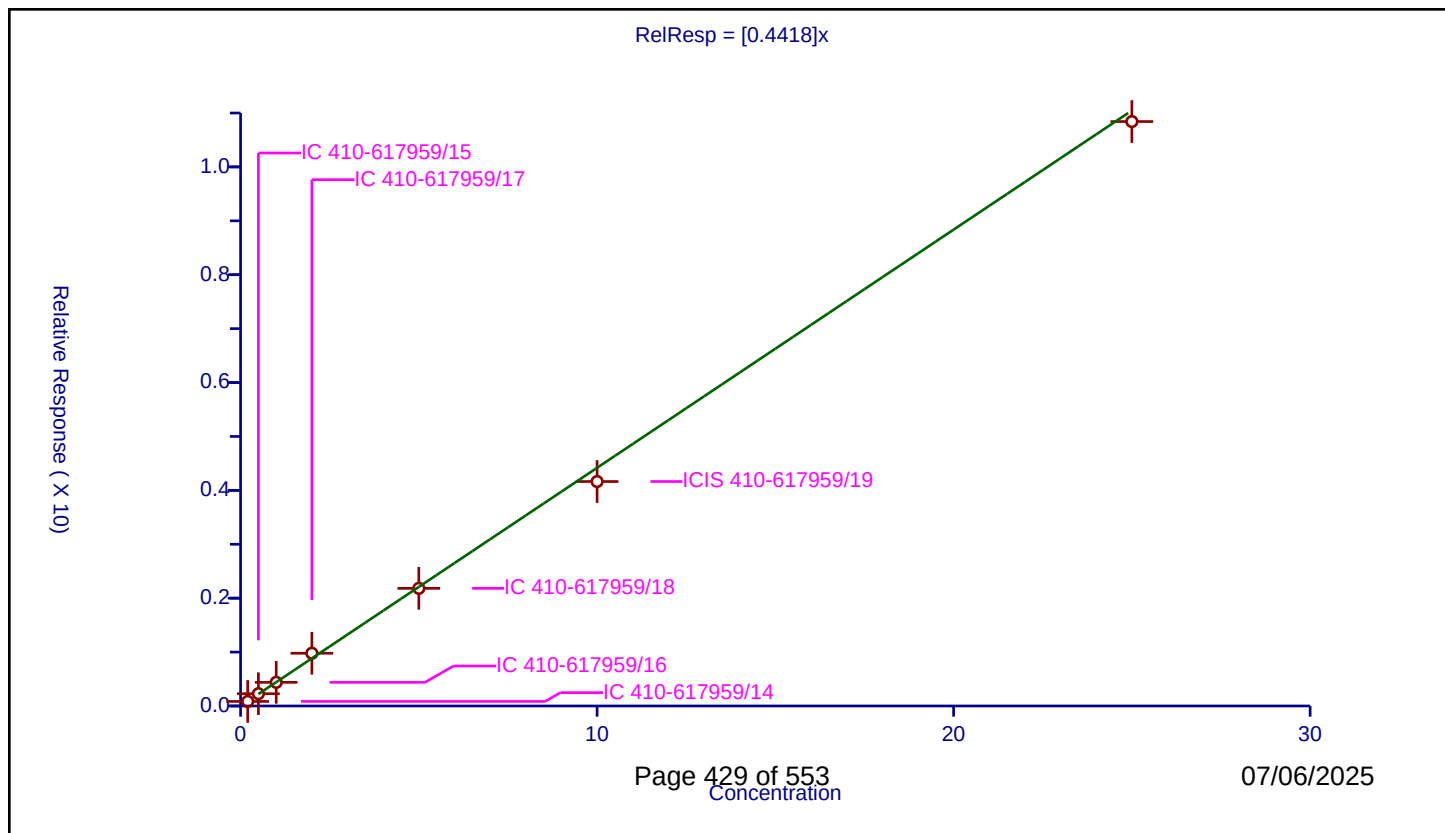
## Curve Coefficients

Intercept: 0  
Slope: 0.4418

## Error Coefficients

Relative Standard Deviation: 5.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.084463   | 10.0      | 2130985.0   | 0.422316 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.228007   | 10.0      | 1902526.0   | 0.456015 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.43871    | 10.0      | 2216451.0   | 0.43871  | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.978396   | 10.0      | 1948679.0   | 0.489198 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.182511   | 10.0      | 2375608.0   | 0.436502 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.163845   | 10.0      | 2528151.0   | 0.416385 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 10.841662  | 10.0      | 2691008.0   | 0.433666 | Y    |



## Calibration

/ 2-Nitropropane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

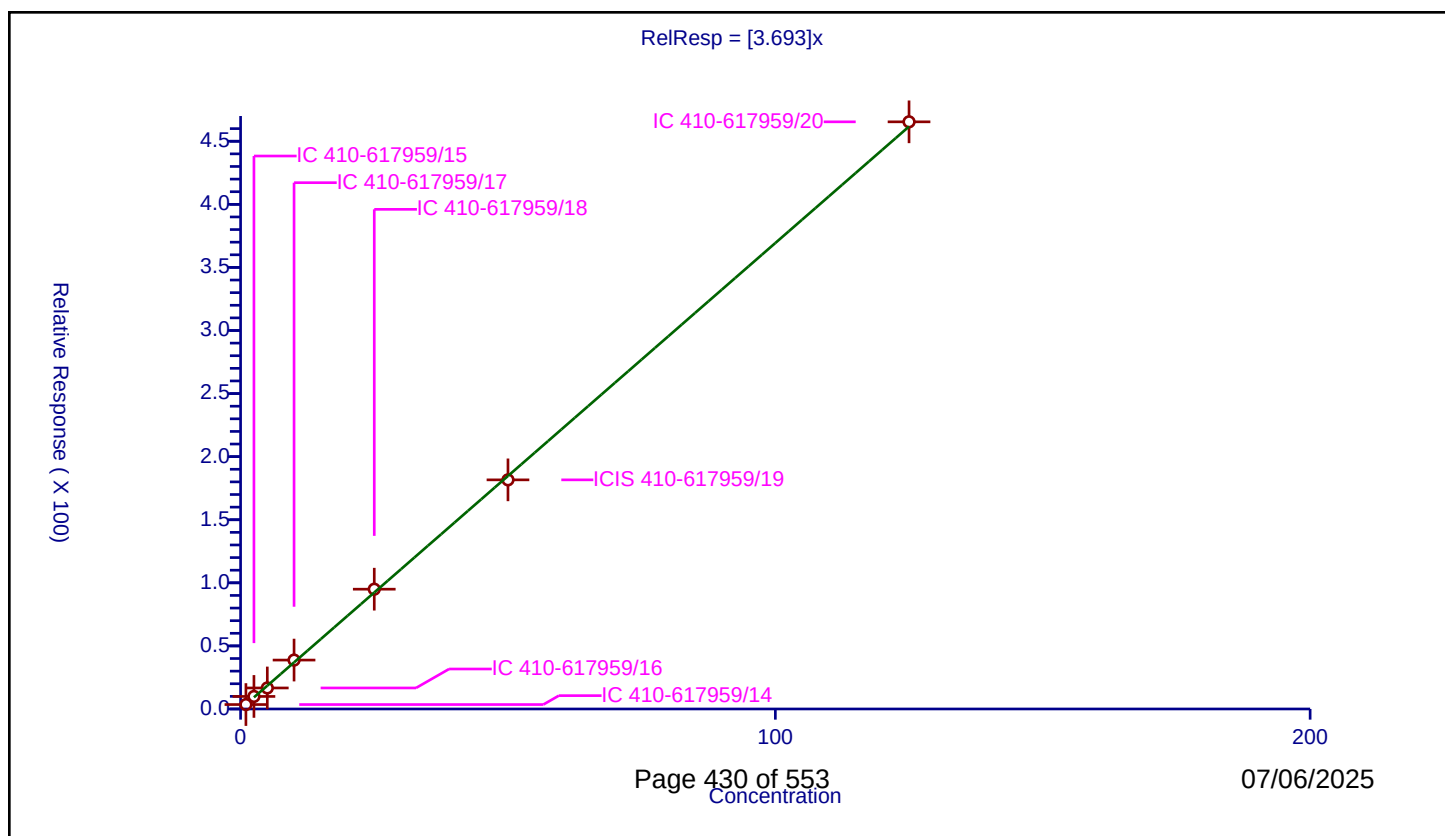
### Curve Coefficients

Intercept: 0  
 Slope: 3.693

### Error Coefficients

Relative Standard Deviation: 6.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 1.0           | 3.511254   | 50.0      | 173186.0    | 3.511254 | Y    |
| 2  | IC 410-617959/15   | 2.5           | 9.945818   | 50.0      | 150234.0    | 3.978327 | Y    |
| 3  | IC 410-617959/16   | 5.0           | 16.669968  | 50.0      | 176683.0    | 3.333994 | Y    |
| 4  | IC 410-617959/17   | 10.0          | 38.771797  | 50.0      | 155813.0    | 3.87718  | Y    |
| 5  | IC 410-617959/18   | 25.0          | 94.949708  | 50.0      | 177762.0    | 3.797988 | Y    |
| 6  | ICIS 410-617959/19 | 50.0          | 181.618287 | 50.0      | 197604.0    | 3.632366 | Y    |
| 7  | IC 410-617959/20   | 125.0         | 465.393049 | 50.0      | 216169.0    | 3.723144 | Y    |



## Calibration

/ 1-Bromo-2-chloroethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

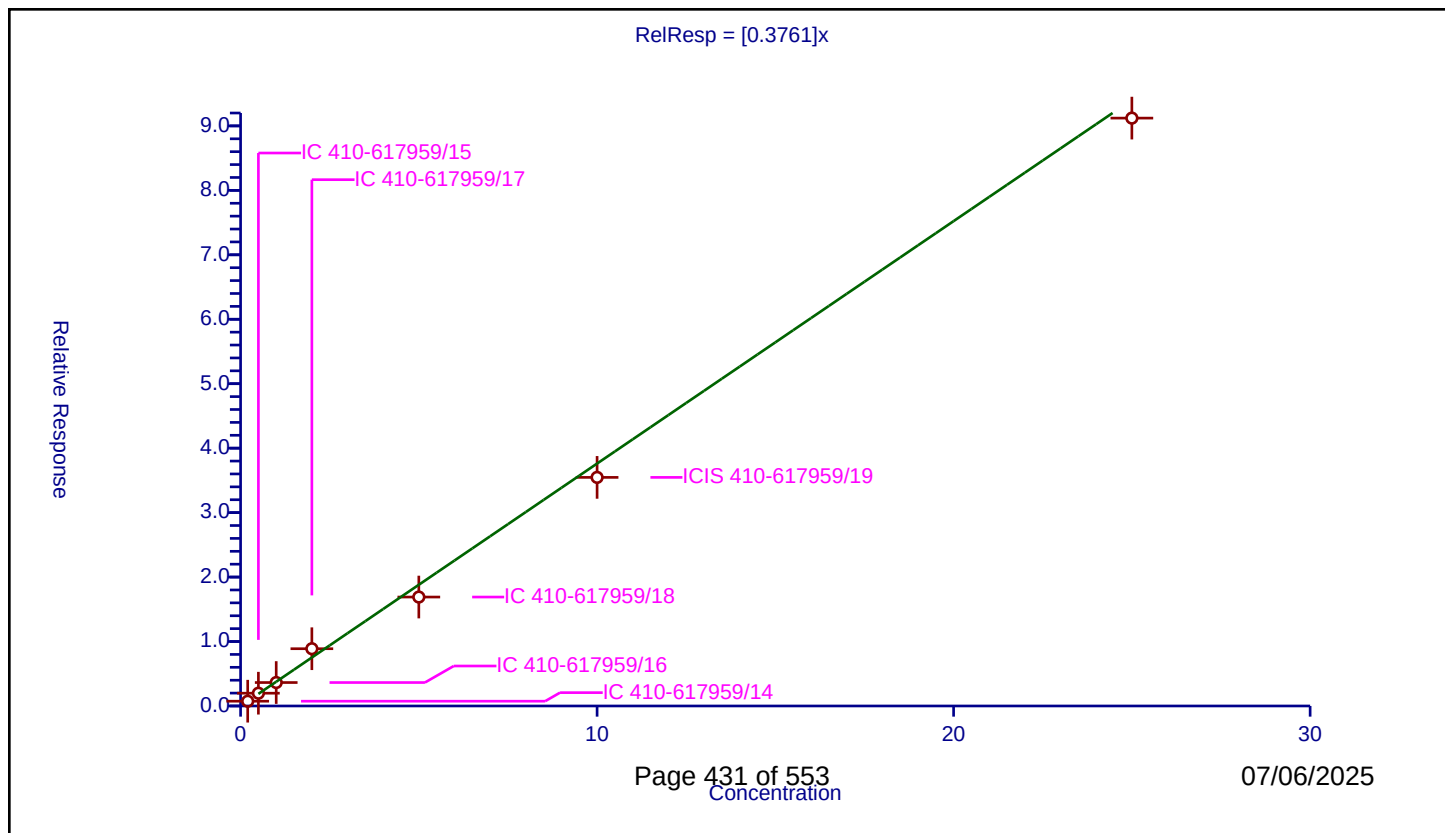
## Curve Coefficients

Intercept: 0  
Slope: 0.3761

## Error Coefficients

Relative Standard Deviation: 9.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.074121   | 10.0      | 2130985.0   | 0.370603 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.198284   | 10.0      | 1902526.0   | 0.396568 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.364046   | 10.0      | 2216451.0   | 0.364046 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.88833    | 10.0      | 1948679.0   | 0.444165 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.690283   | 10.0      | 2375608.0   | 0.338057 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 3.546774   | 10.0      | 2528151.0   | 0.354677 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 9.120798   | 10.0      | 2691008.0   | 0.364832 | Y    |



Calibration

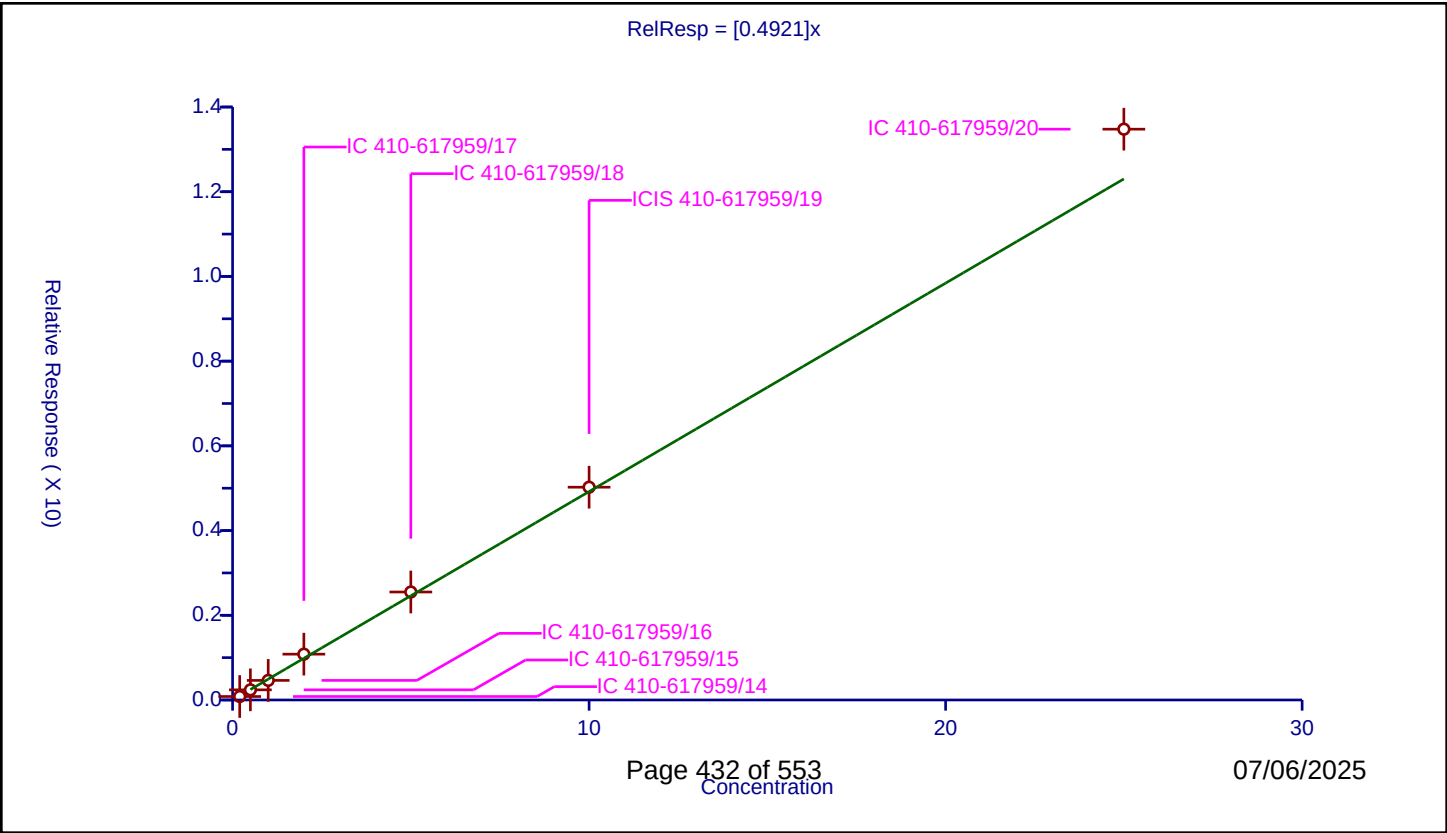
/ cis-1,3-Dichloropropene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |        |
|--------------------|--------|
| Intercept:         | 0      |
| Slope:             | 0.4921 |
| Error Coefficients |        |

Relative Standard Deviation: 9.3

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.08222    | 10.0      | 2130985.0   | 0.411101 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.239361   | 10.0      | 1902526.0   | 0.478721 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.462609   | 10.0      | 2216451.0   | 0.462609 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.081712   | 10.0      | 1948679.0   | 0.540856 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.549238   | 10.0      | 2375608.0   | 0.509848 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.023996   | 10.0      | 2528151.0   | 0.5024   | Y    |
| 7  | IC 410-617959/20   | 25.0          | 13.476954  | 10.0      | 2691008.0   | 0.539078 | 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

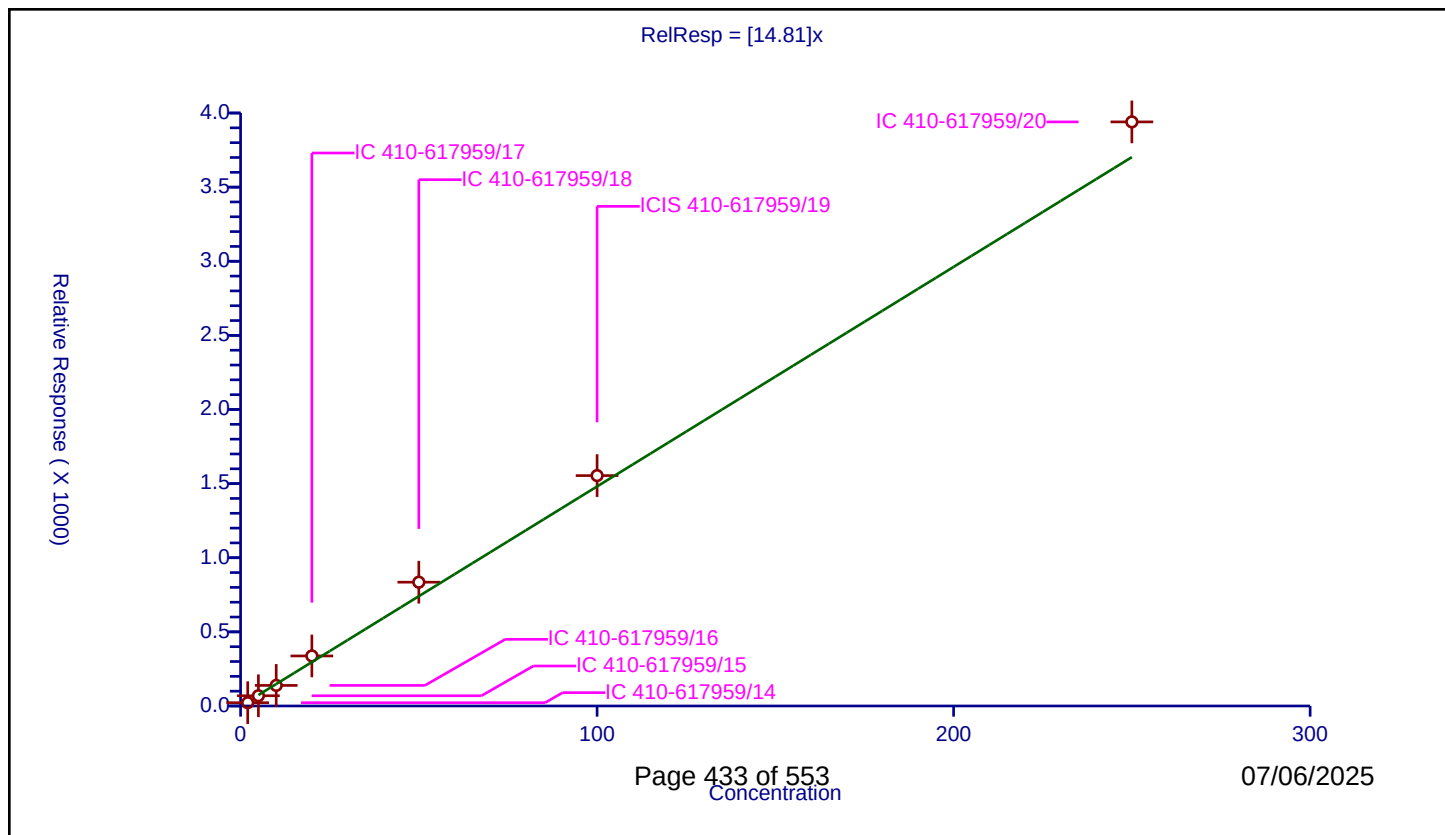
## Curve Coefficients

Intercept: 0  
Slope: 14.81

## Error Coefficients

Relative Standard Deviation: 13.8

| ID | Level              | Concentration | Rel. Resp.  | IS Amount | IS Response | RRF       | Used |
|----|--------------------|---------------|-------------|-----------|-------------|-----------|------|
| 1  | IC 410-617959/14   | 2.0           | 22.201564   | 50.0      | 173186.0    | 11.100782 | Y    |
| 2  | IC 410-617959/15   | 5.0           | 69.032975   | 50.0      | 150234.0    | 13.806595 | Y    |
| 3  | IC 410-617959/16   | 10.0          | 138.809902  | 50.0      | 176683.0    | 13.88099  | Y    |
| 4  | IC 410-617959/17   | 20.0          | 337.483714  | 50.0      | 155813.0    | 16.874186 | Y    |
| 5  | IC 410-617959/18   | 50.0          | 835.069925  | 50.0      | 177762.0    | 16.701398 | Y    |
| 6  | ICIS 410-617959/19 | 100.0         | 1554.115048 | 50.0      | 197604.0    | 15.54115  | Y    |
| 7  | IC 410-617959/20   | 250.0         | 3940.021465 | 50.0      | 216169.0    | 15.760086 | Y    |



## Calibration

/ Toluene-d8 (Surr)

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

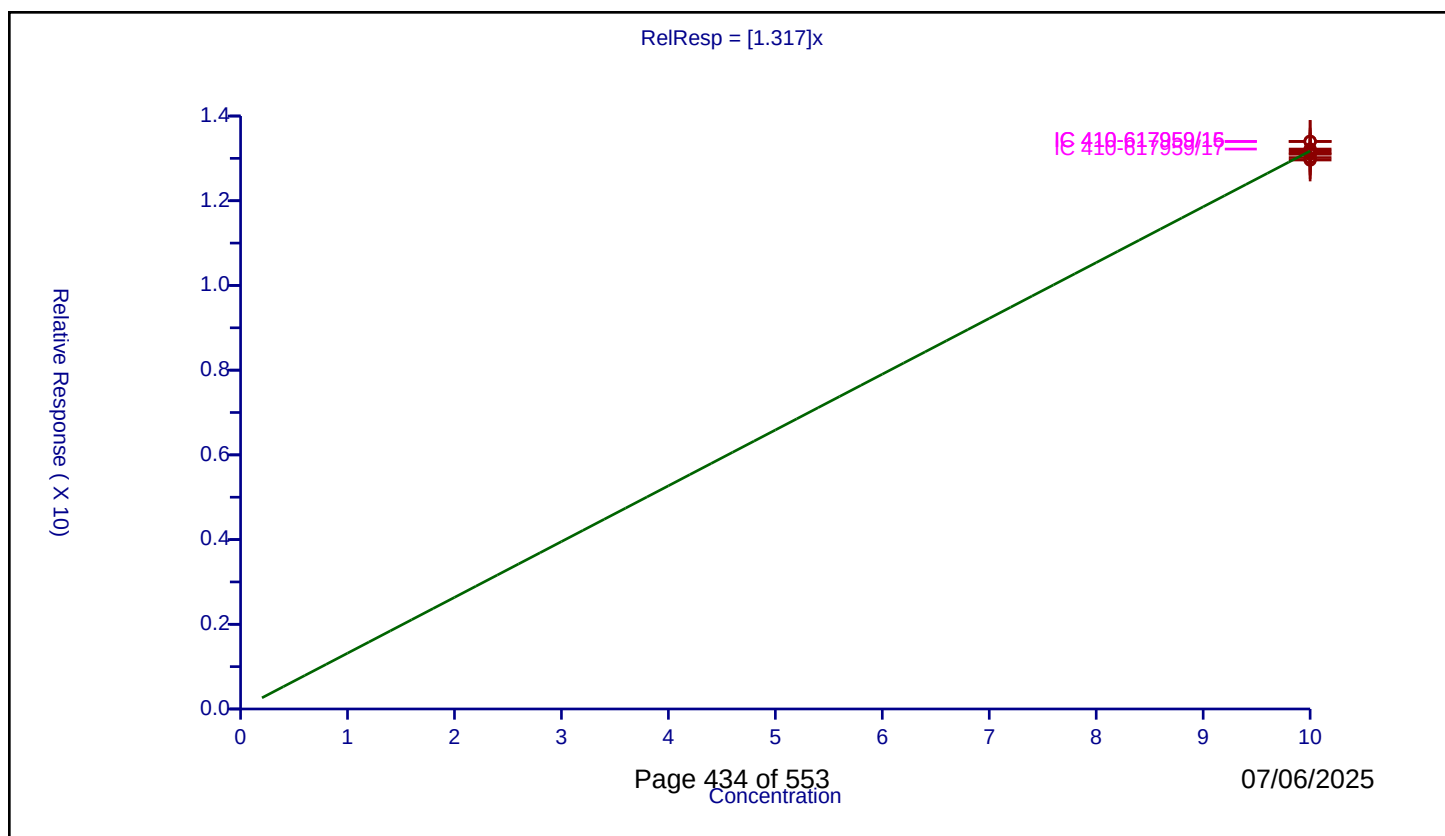
## Curve Coefficients

Intercept: 0  
Slope: 1.317

## Error Coefficients

Relative Standard Deviation: 1.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 10.0          | 12.961162  | 10.0      | 1390900.0   | 1.296116 | Y    |
| 2  | IC 410-617959/14   | 10.0          | 13.096907  | 10.0      | 1591685.0   | 1.309691 | Y    |
| 3  | IC 410-617959/15   | 10.0          | 13.401368  | 10.0      | 1402824.0   | 1.340137 | Y    |
| 4  | IC 410-617959/16   | 10.0          | 13.398749  | 10.0      | 1645732.0   | 1.339875 | Y    |
| 5  | IC 410-617959/17   | 10.0          | 13.220237  | 10.0      | 1459225.0   | 1.322024 | Y    |
| 6  | IC 410-617959/18   | 10.0          | 13.12233   | 10.0      | 1785596.0   | 1.312233 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 13.173897  | 10.0      | 1899624.0   | 1.31739  | Y    |
| 8  | IC 410-617959/20   | 10.0          | 13.018994  | 10.0      | 2048855.0   | 1.301899 | Y    |



## Calibration

/ Toluene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

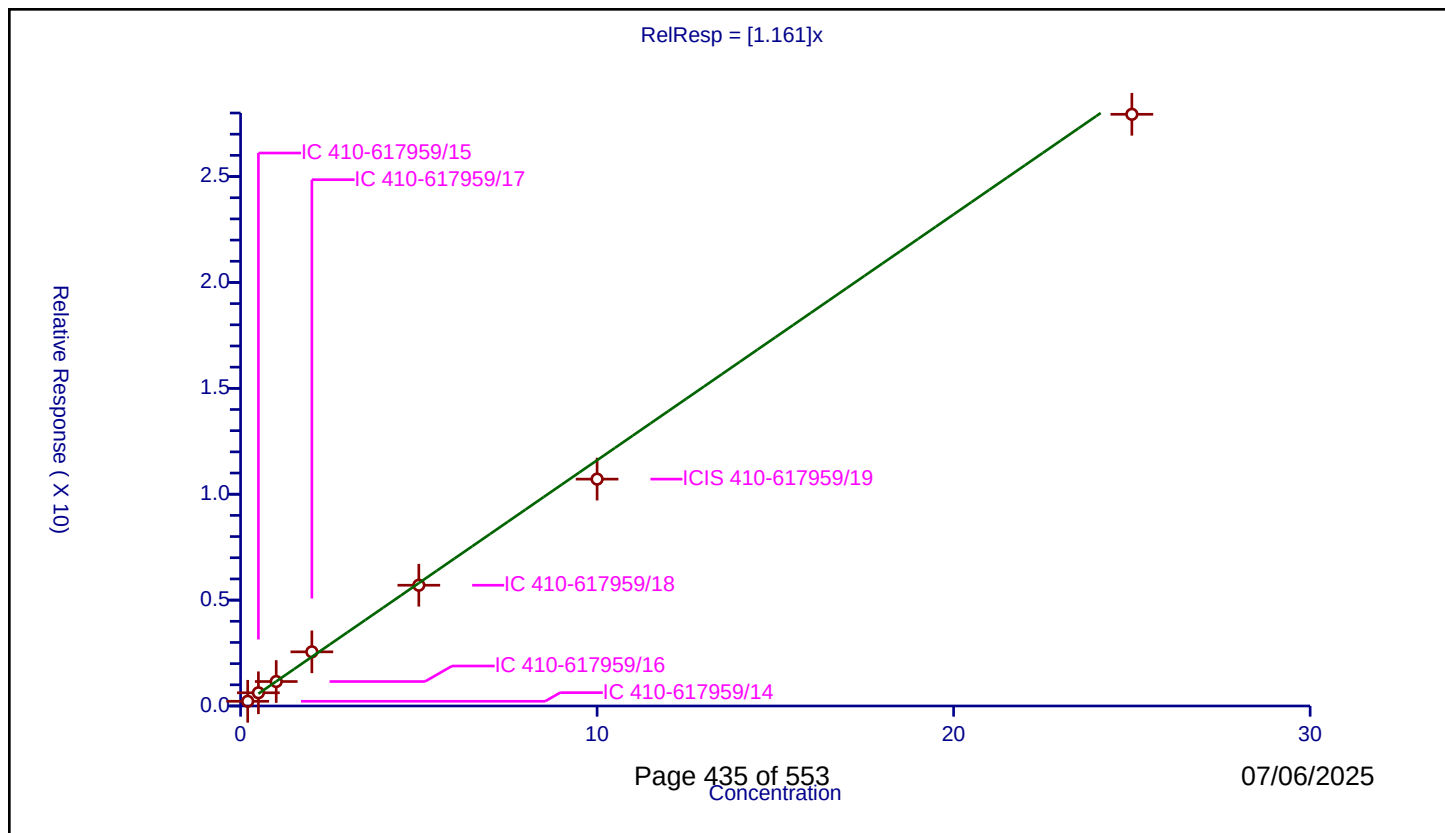
## Curve Coefficients

Intercept: 0  
Slope: 1.161

## Error Coefficients

Relative Standard Deviation: 6.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.222594   | 10.0      | 1591685.0   | 1.112971 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.624205   | 10.0      | 1402824.0   | 1.24841  | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.155109   | 10.0      | 1645732.0   | 1.155109 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 2.556453   | 10.0      | 1459225.0   | 1.278226 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 5.701698   | 10.0      | 1785596.0   | 1.14034  | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 10.713031  | 10.0      | 1899624.0   | 1.071303 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 27.939151  | 10.0      | 2048855.0   | 1.117566 | Y    |



Calibration

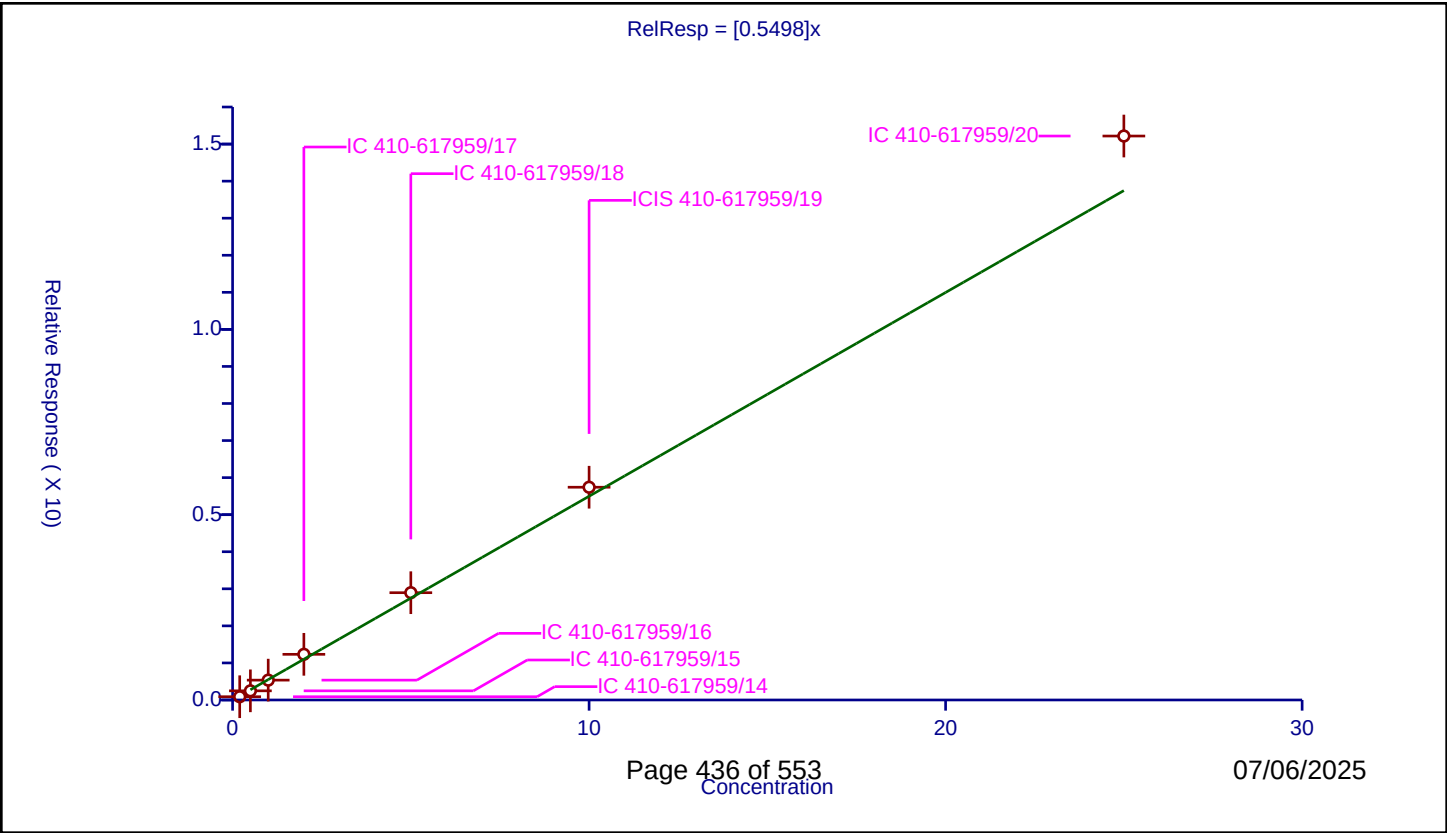
/ trans-1,3-Dichloropropene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |        |
|--------------------|--------|
| Intercept:         | 0      |
| Slope:             | 0.5498 |
| Error Coefficients |        |

Relative Standard Deviation: 11.6

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.088146   | 10.0      | 1591685.0   | 0.440728 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.247159   | 10.0      | 1402824.0   | 0.494317 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.535646   | 10.0      | 1645732.0   | 0.535646 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.232147   | 10.0      | 1459225.0   | 0.616074 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.895162   | 10.0      | 1785596.0   | 0.579032 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.740741   | 10.0      | 1899624.0   | 0.574074 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 15.216948  | 10.0      | 2048855.0   | 0.608678 | Y    |





## Calibration

/ Ethyl methacrylate

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

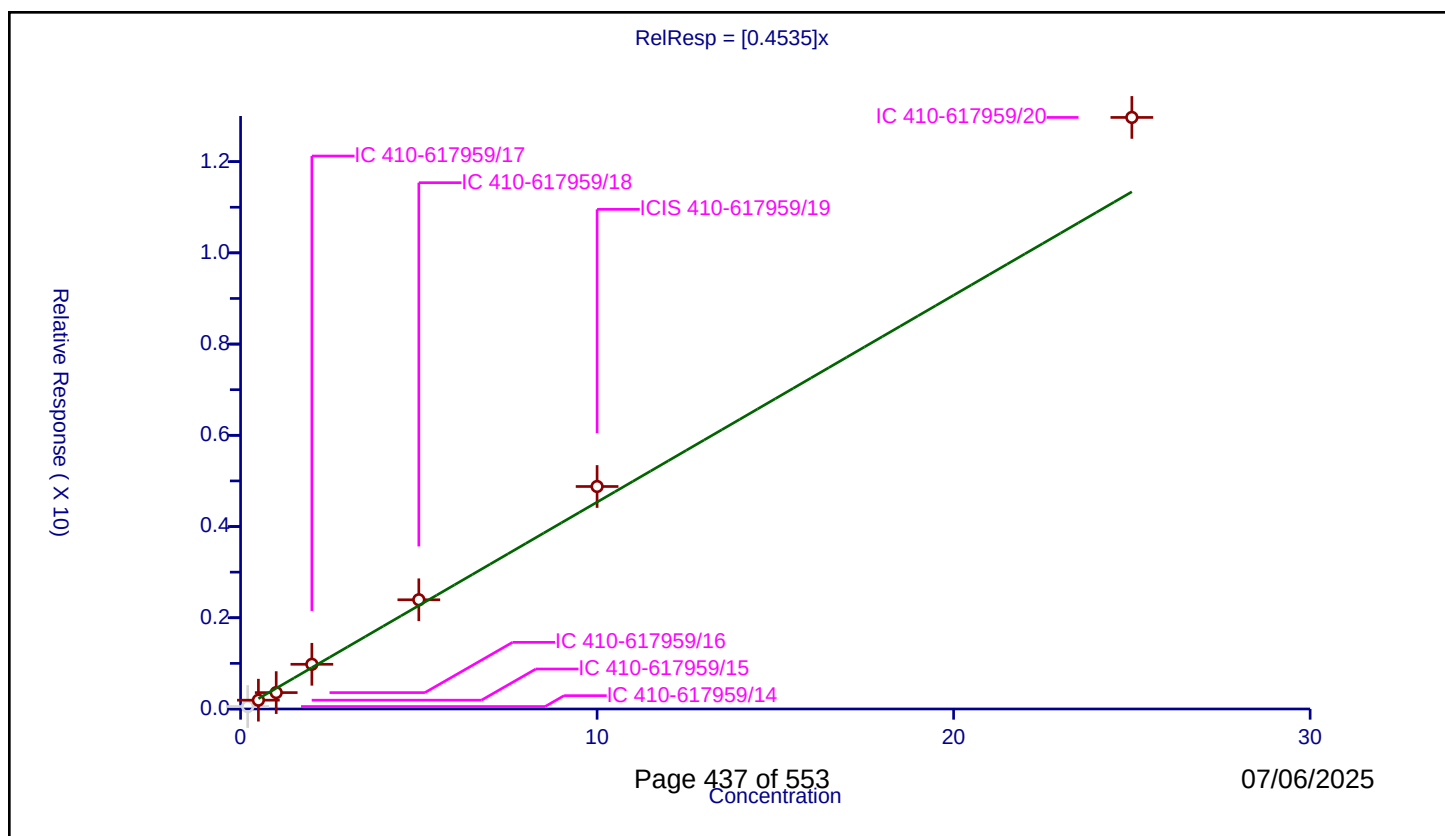
## Curve Coefficients

Intercept: 0  
Slope: 0.4535

## Error Coefficients

Relative Standard Deviation: 14.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.054339   | 10.0      | 1591685.0   | 0.271693 | N    |
| 2  | IC 410-617959/15   | 0.5           | 0.193089   | 10.0      | 1402824.0   | 0.386178 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.359536   | 10.0      | 1645732.0   | 0.359536 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.980137   | 10.0      | 1459225.0   | 0.490068 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.394366   | 10.0      | 1785596.0   | 0.478873 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.878081   | 10.0      | 1899624.0   | 0.487808 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 12.969146  | 10.0      | 2048855.0   | 0.518766 | 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

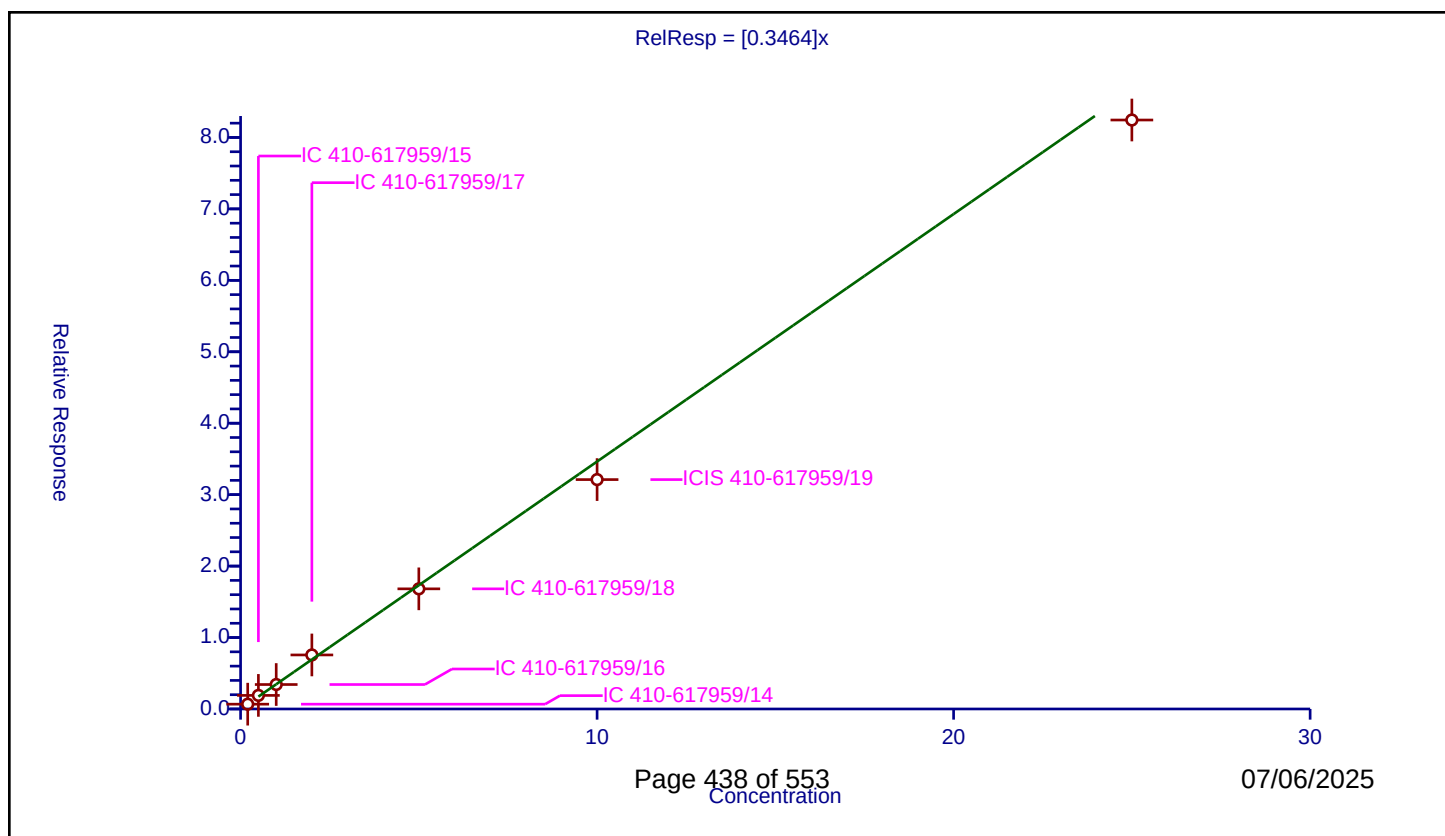
## Curve Coefficients

Intercept: 0  
Slope: 0.3464

## Error Coefficients

Relative Standard Deviation: 6.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.067199   | 10.0      | 1591685.0   | 0.335996 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.190359   | 10.0      | 1402824.0   | 0.380718 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.342541   | 10.0      | 1645732.0   | 0.342541 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.756347   | 10.0      | 1459225.0   | 0.378173 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.681623   | 10.0      | 1785596.0   | 0.336325 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 3.210956   | 10.0      | 1899624.0   | 0.321096 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 8.244097   | 10.0      | 2048855.0   | 0.329764 | Y    |



Calibration

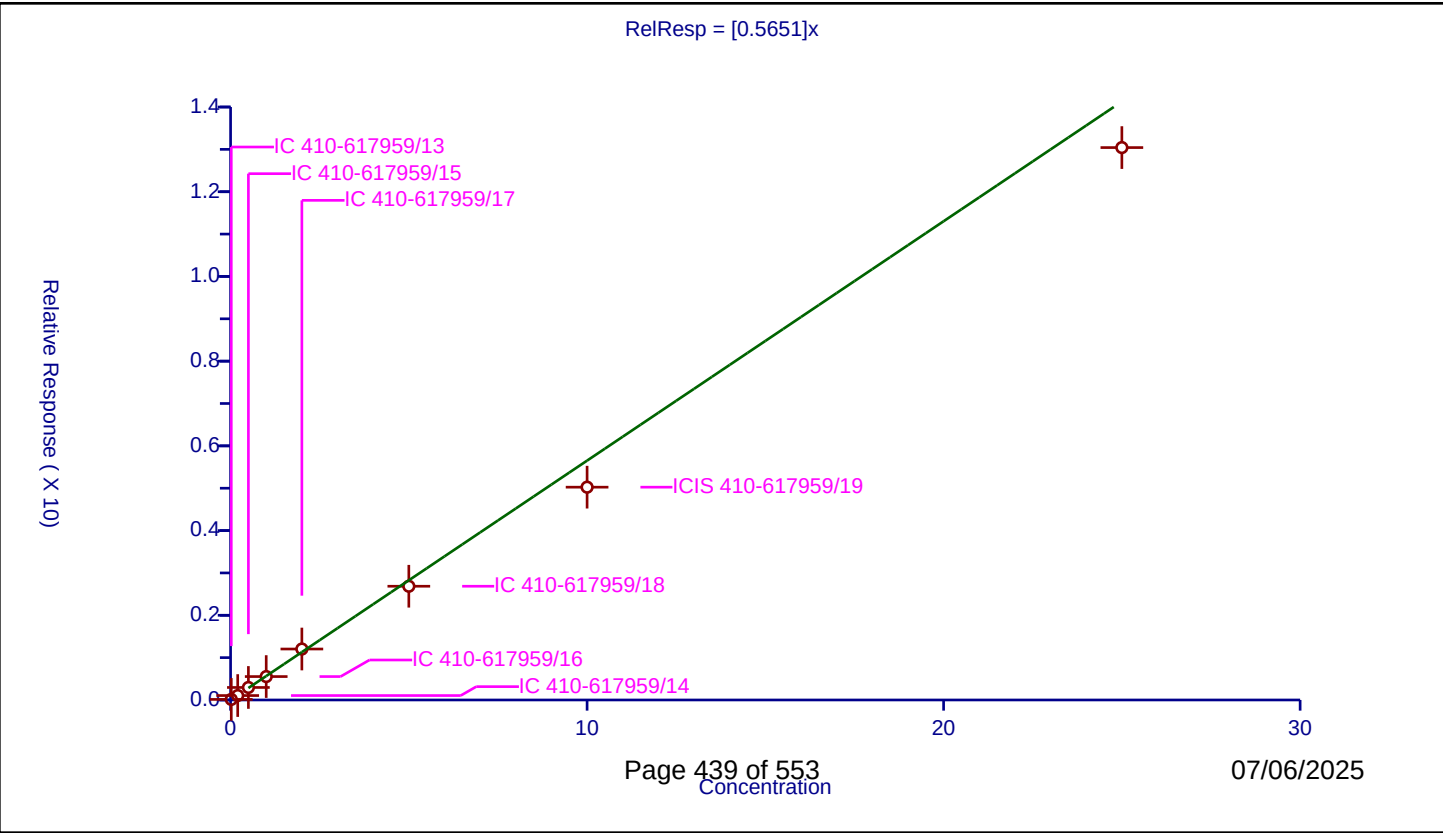
/ Tetrachloroethene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |        |
|--------------------|--------|
| Intercept:         | 0      |
| Slope:             | 0.5651 |
| Error Coefficients |        |

Relative Standard Deviation: 10.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 0.02          | 0.01379    | 10.0      | 1390900.0   | 0.689482 | Y    |
| 2  | IC 410-617959/14   | 0.2           | 0.104914   | 10.0      | 1591685.0   | 0.52457  | Y    |
| 3  | IC 410-617959/15   | 0.5           | 0.295547   | 10.0      | 1402824.0   | 0.591093 | Y    |
| 4  | IC 410-617959/16   | 1.0           | 0.553018   | 10.0      | 1645732.0   | 0.553018 | Y    |
| 5  | IC 410-617959/17   | 2.0           | 1.203193   | 10.0      | 1459225.0   | 0.601597 | Y    |
| 6  | IC 410-617959/18   | 5.0           | 2.685557   | 10.0      | 1785596.0   | 0.537111 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 5.024752   | 10.0      | 1899624.0   | 0.502475 | Y    |
| 8  | IC 410-617959/20   | 25.0          | 13.042597  | 10.0      | 2048855.0   | 0.521704 | Y    |



## Calibration

/ 1,3-Dichloropropane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

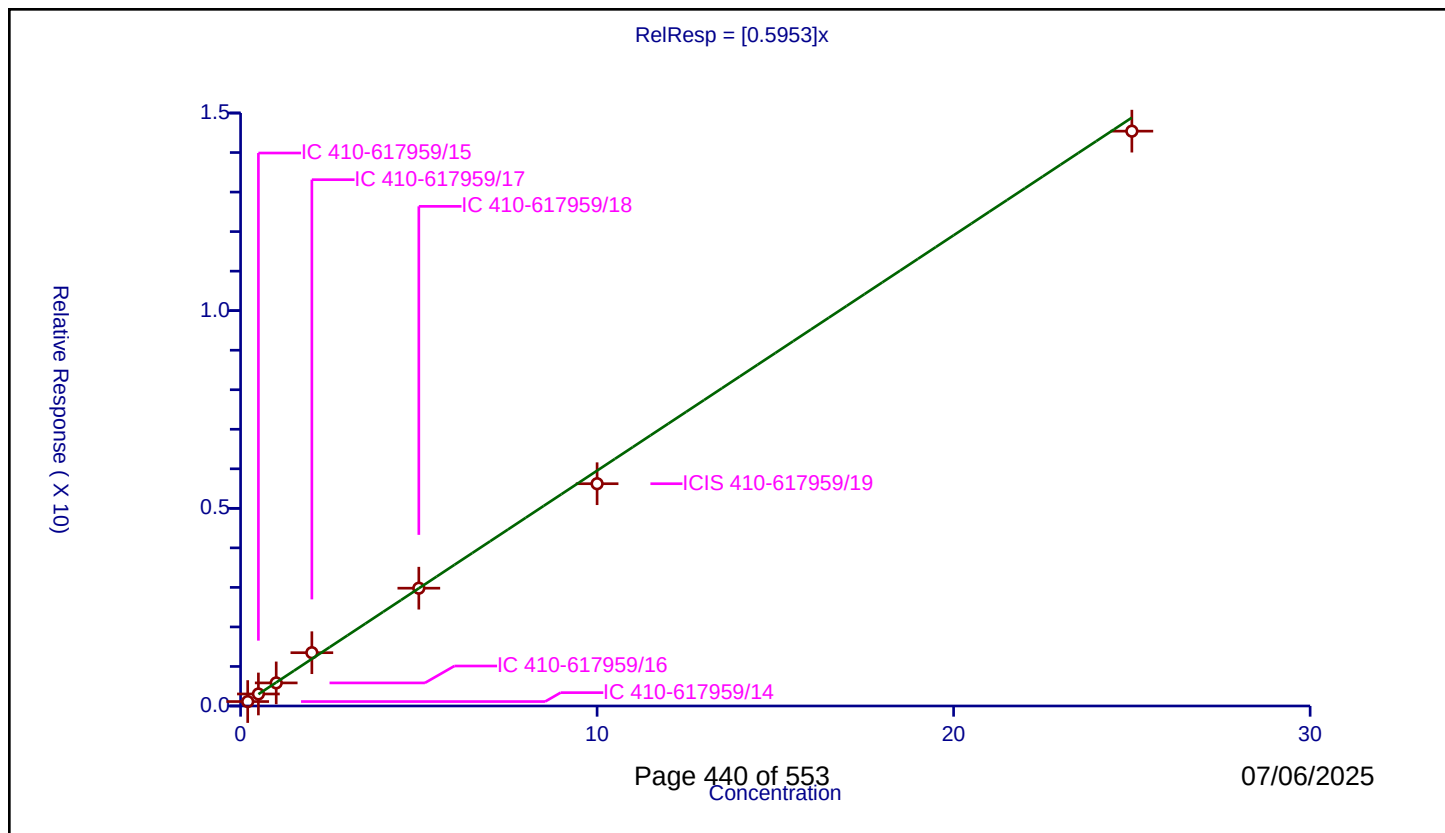
## Curve Coefficients

Intercept: 0  
Slope: 0.5953

## Error Coefficients

Relative Standard Deviation: 6.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.112252   | 10.0      | 1591685.0   | 0.561261 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.303887   | 10.0      | 1402824.0   | 0.607774 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.584166   | 10.0      | 1645732.0   | 0.584166 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.348346   | 10.0      | 1459225.0   | 0.674173 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.979801   | 10.0      | 1785596.0   | 0.59596  | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.622639   | 10.0      | 1899624.0   | 0.562264 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 14.541229  | 10.0      | 2048855.0   | 0.581649 | Y    |



## Calibration

/ 2-Hexanone

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

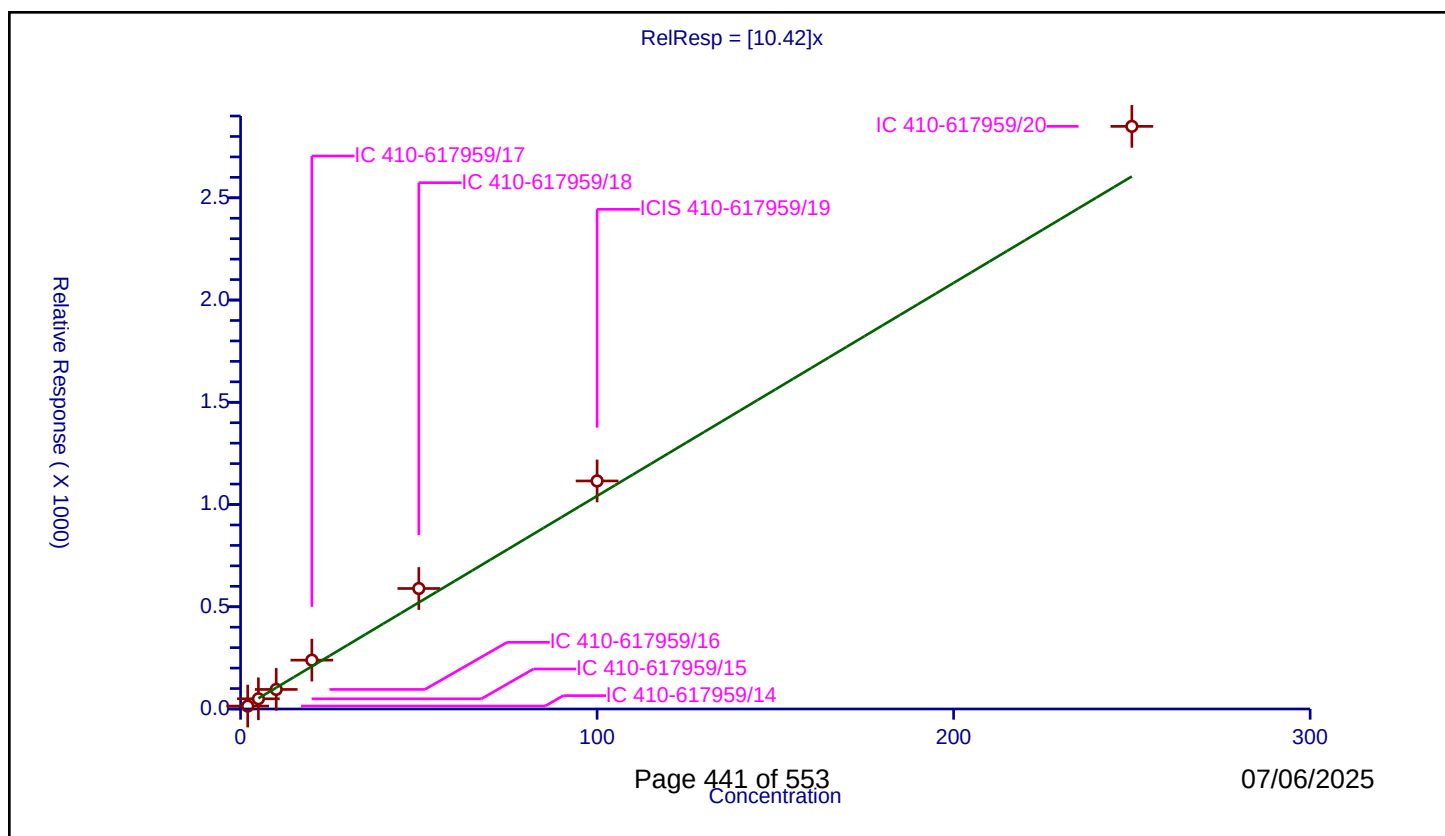
## Curve Coefficients

Intercept: 0  
Slope: 10.42

## Error Coefficients

Relative Standard Deviation: 16.4

| ID | Level              | Concentration | Rel. Resp.  | IS Amount | IS Response | RRF       | Used |
|----|--------------------|---------------|-------------|-----------|-------------|-----------|------|
| 1  | IC 410-617959/14   | 2.0           | 14.245667   | 50.0      | 173186.0    | 7.122833  | Y    |
| 2  | IC 410-617959/15   | 5.0           | 49.825273   | 50.0      | 150234.0    | 9.965055  | Y    |
| 3  | IC 410-617959/16   | 10.0          | 95.642195   | 50.0      | 176683.0    | 9.56422   | Y    |
| 4  | IC 410-617959/17   | 20.0          | 238.83726   | 50.0      | 155813.0    | 11.941863 | Y    |
| 5  | IC 410-617959/18   | 50.0          | 589.236732  | 50.0      | 177762.0    | 11.784735 | Y    |
| 6  | ICIS 410-617959/19 | 100.0         | 1115.245896 | 50.0      | 197604.0    | 11.152459 | Y    |
| 7  | IC 410-617959/20   | 250.0         | 2849.408565 | 50.0      | 216169.0    | 11.397634 | Y    |



## Calibration

/ Chlorodibromomethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

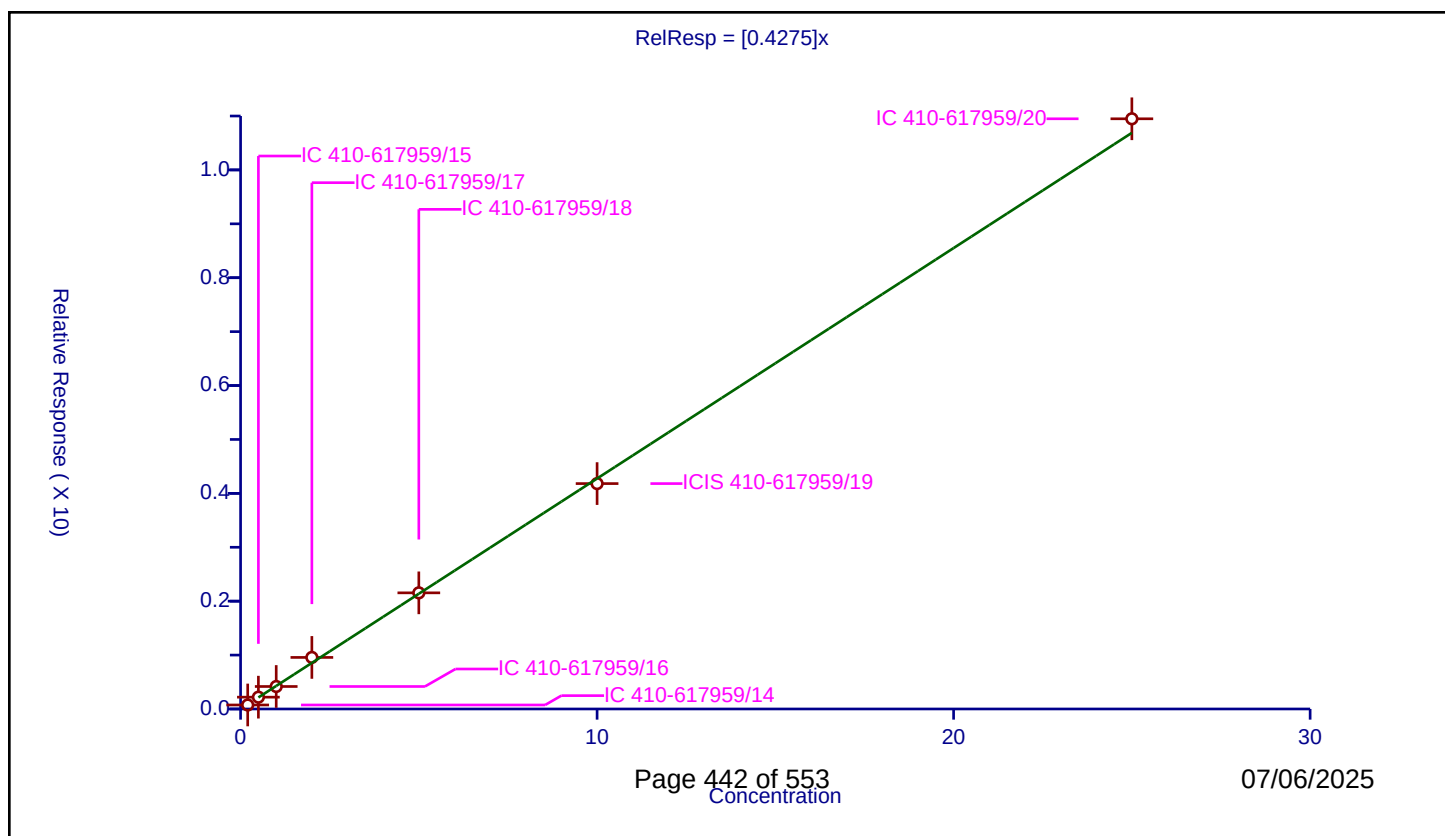
## Curve Coefficients

Intercept: 0  
Slope: 0.4275

## Error Coefficients

Relative Standard Deviation: 7.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.074324   | 10.0      | 1591685.0   | 0.371619 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.2193     | 10.0      | 1402824.0   | 0.438601 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.41717    | 10.0      | 1645732.0   | 0.41717  | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.956268   | 10.0      | 1459225.0   | 0.478134 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.154704   | 10.0      | 1785596.0   | 0.430941 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.18147    | 10.0      | 1899624.0   | 0.418147 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 10.948608  | 10.0      | 2048855.0   | 0.437944 | Y    |



## Calibration

/ Ethylene Dibromide

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

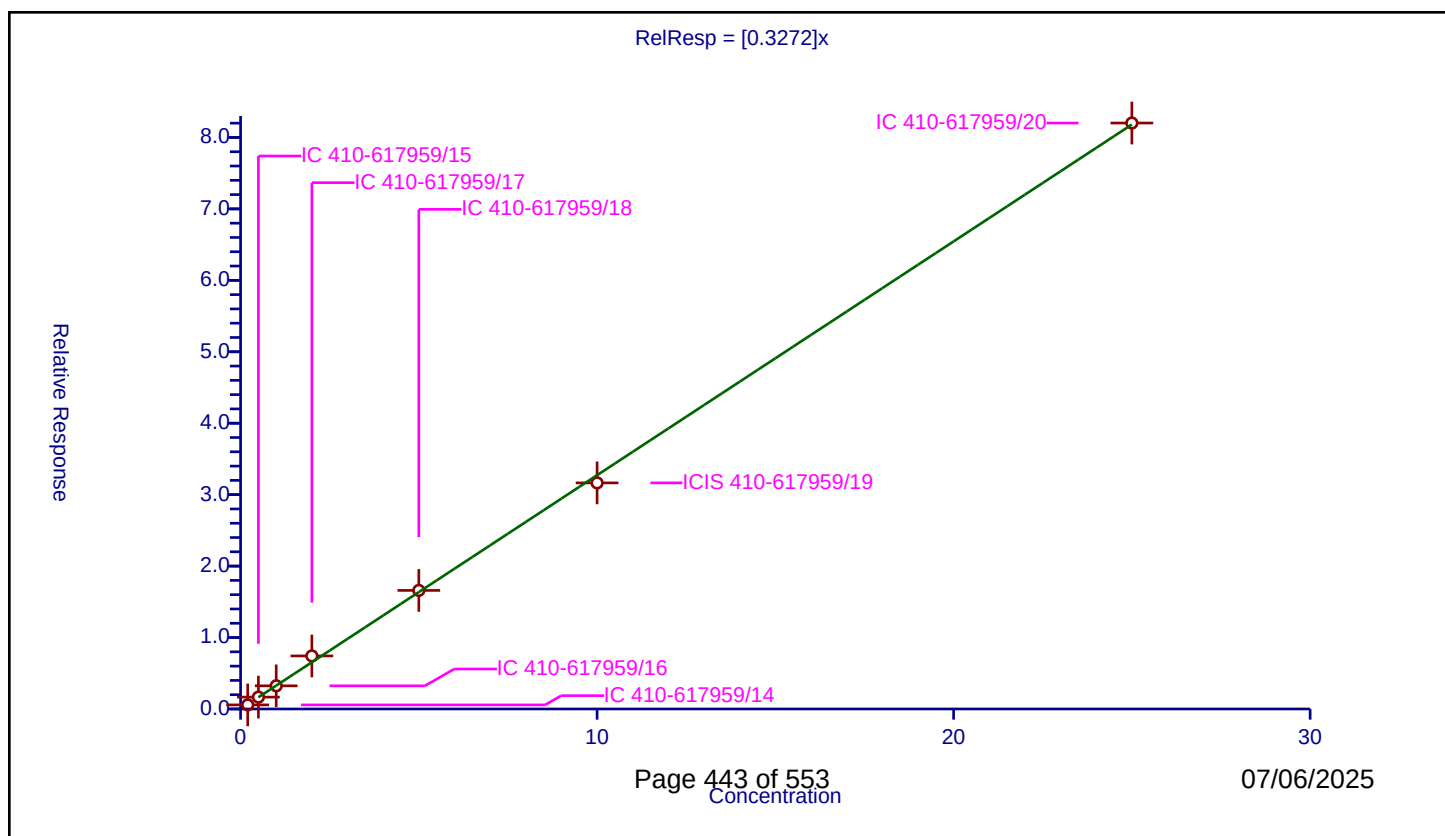
## Curve Coefficients

Intercept: 0  
Slope: 0.3272

## Error Coefficients

Relative Standard Deviation: 7.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.057254   | 10.0      | 1591685.0   | 0.286269 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.166158   | 10.0      | 1402824.0   | 0.332315 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.324354   | 10.0      | 1645732.0   | 0.324354 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.742428   | 10.0      | 1459225.0   | 0.371214 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.659776   | 10.0      | 1785596.0   | 0.331955 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 3.164653   | 10.0      | 1899624.0   | 0.316465 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 8.201854   | 10.0      | 2048855.0   | 0.328074 | Y    |



# Calibration

/ 1-Chlorohexane

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

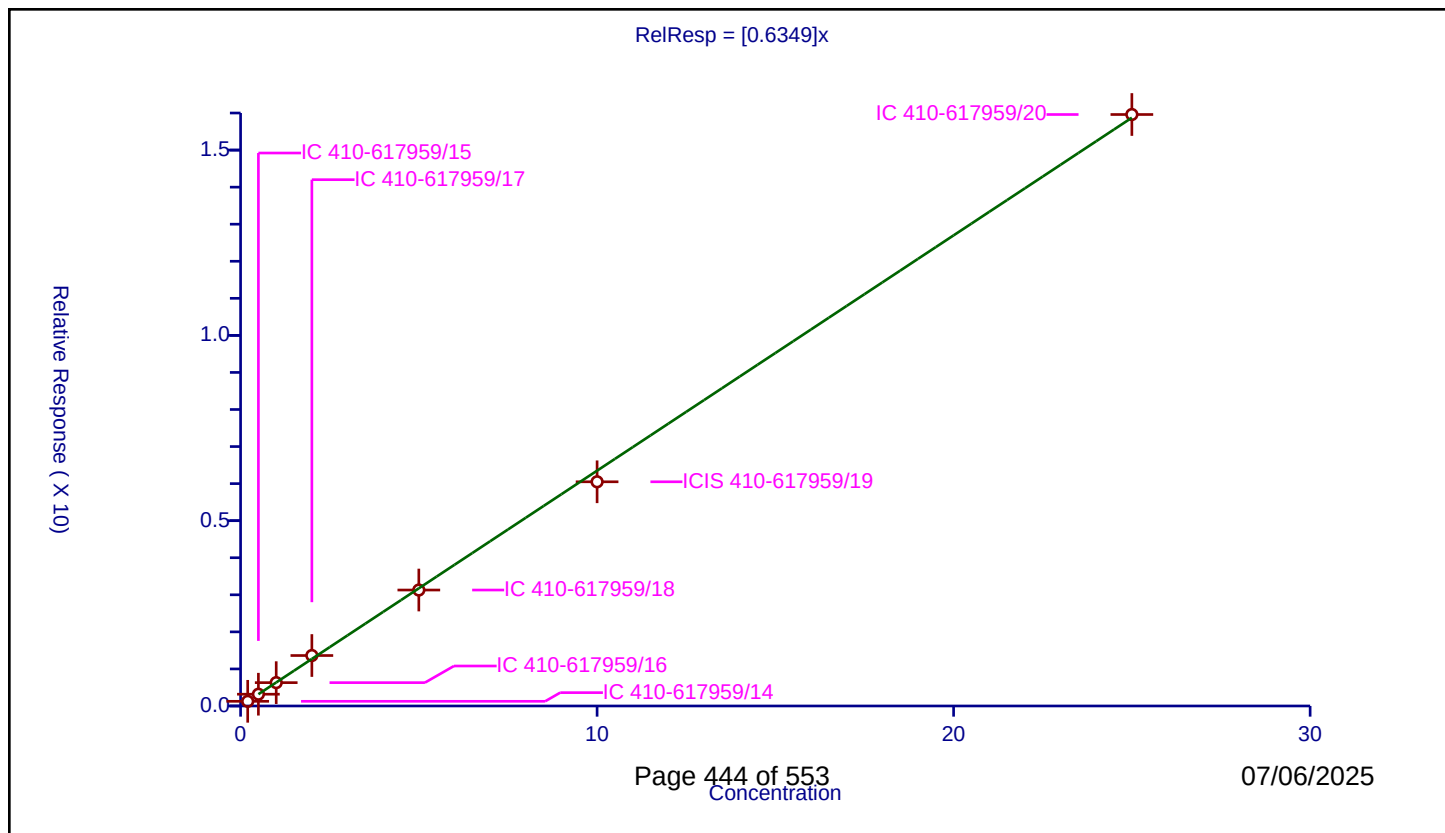
## Curve Coefficients

Intercept: 0  
 Slope: 0.6349

## Error Coefficients

Relative Standard Deviation: 3.6

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.125923   | 10.0      | 1591685.0   | 0.629616 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.317538   | 10.0      | 1402824.0   | 0.635076 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.629853   | 10.0      | 1645732.0   | 0.629853 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.361976   | 10.0      | 1459225.0   | 0.680988 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 3.128619   | 10.0      | 1785596.0   | 0.625724 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 6.049376   | 10.0      | 1899624.0   | 0.604938 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 15.959987  | 10.0      | 2048855.0   | 0.638399 | Y    |





Calibration

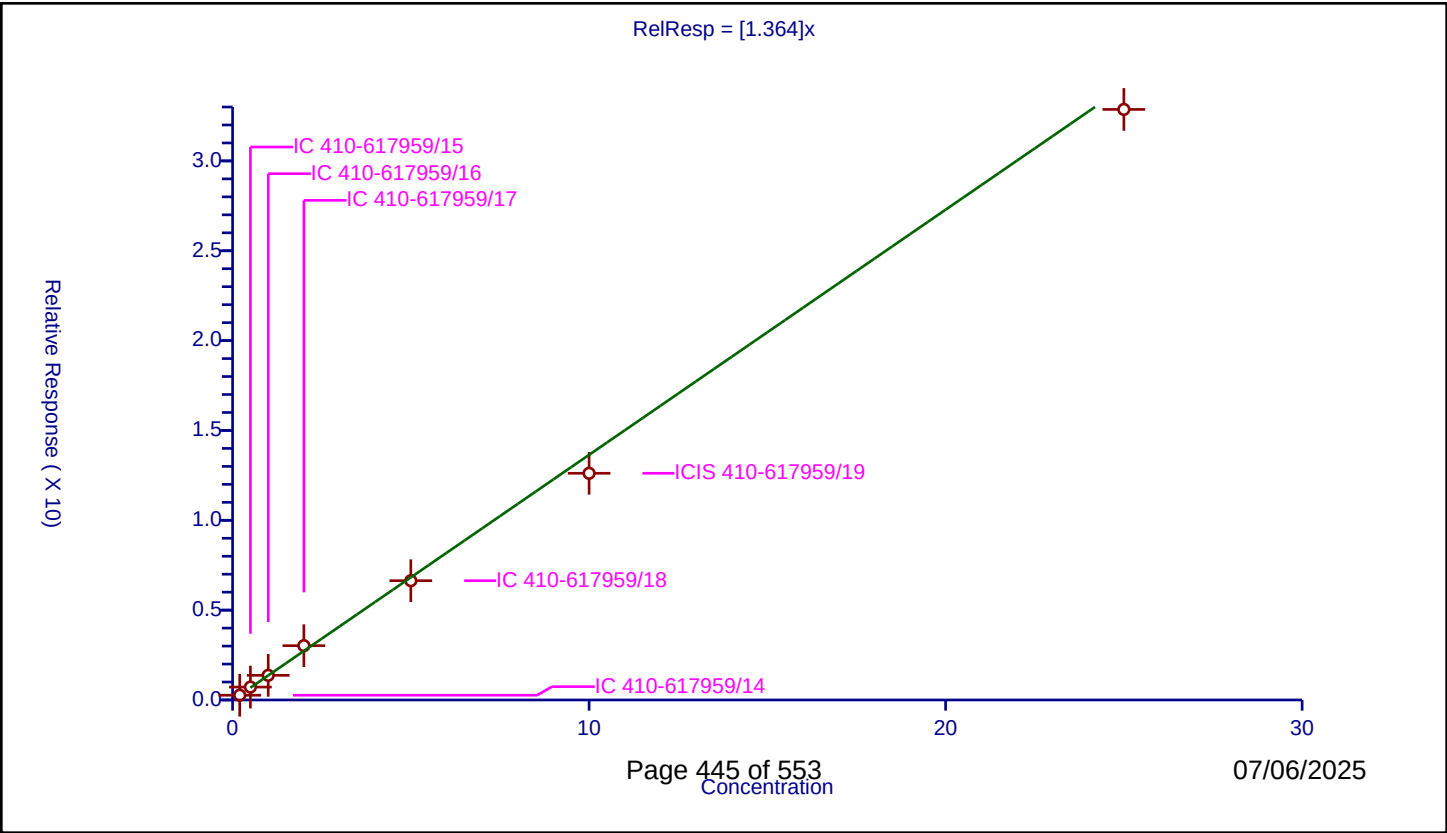
/ Chlorobenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |       |
|--------------------|-------|
| Intercept:         | 0     |
| Slope:             | 1.364 |
| Error Coefficients |       |

Relative Standard Deviation: 6.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.264996   | 10.0      | 1591685.0   | 1.32498  | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.719206   | 10.0      | 1402824.0   | 1.438413 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.371432   | 10.0      | 1645732.0   | 1.371432 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 3.02181    | 10.0      | 1459225.0   | 1.510905 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 6.638501   | 10.0      | 1785596.0   | 1.3277   | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 12.616265  | 10.0      | 1899624.0   | 1.261627 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 32.866157  | 10.0      | 2048855.0   | 1.314646 | 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

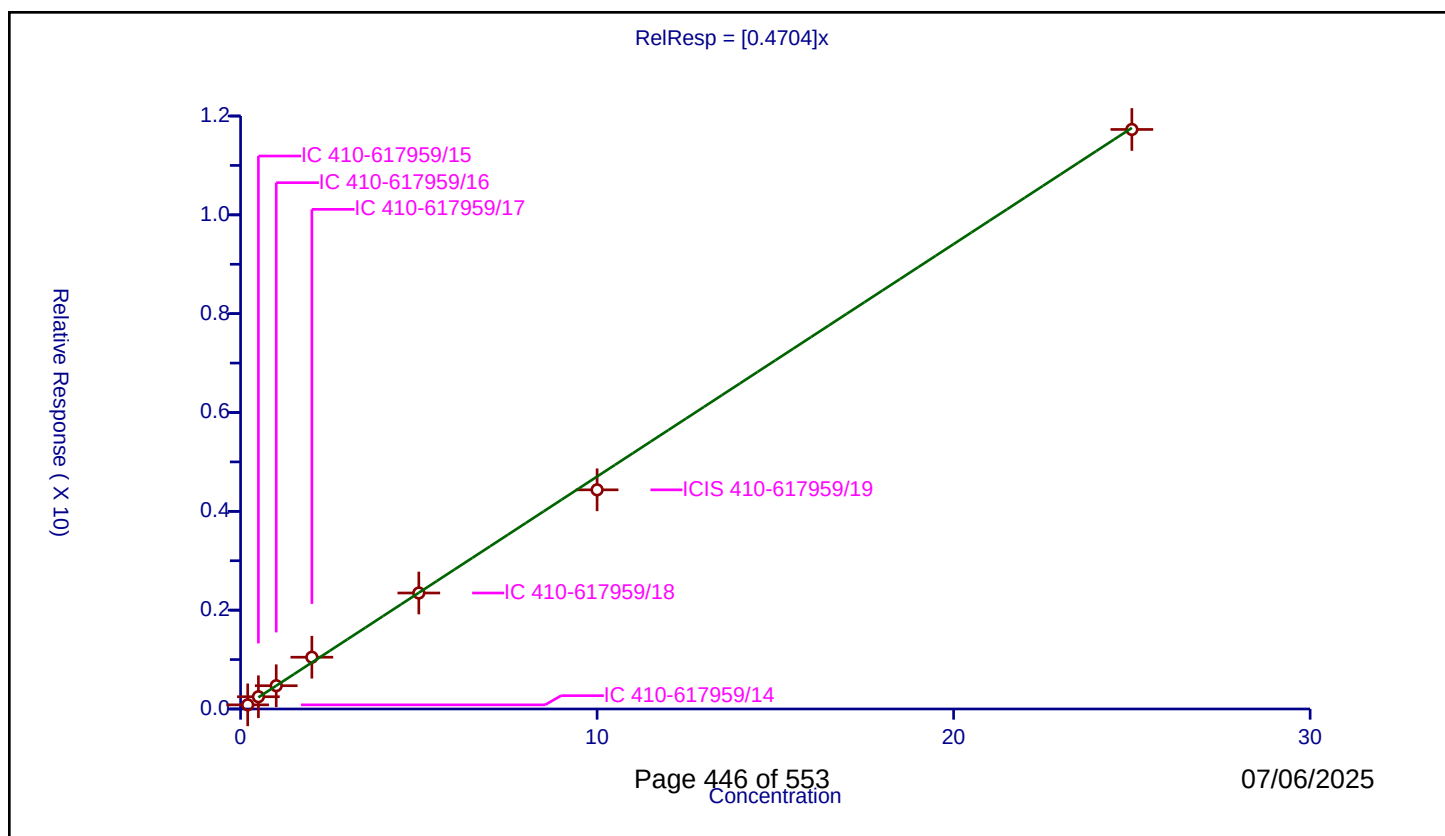
## Curve Coefficients

Intercept: 0  
Slope: 0.4704

## Error Coefficients

Relative Standard Deviation: 7.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.084049   | 10.0      | 1591685.0   | 0.420246 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.2479     | 10.0      | 1402824.0   | 0.4958   | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.470818   | 10.0      | 1645732.0   | 0.470818 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.047755   | 10.0      | 1459225.0   | 0.523877 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.347272   | 10.0      | 1785596.0   | 0.469454 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 4.434878   | 10.0      | 1899624.0   | 0.443488 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 11.727799  | 10.0      | 2048855.0   | 0.469112 | Y    |



## Calibration

/ Ethylbenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

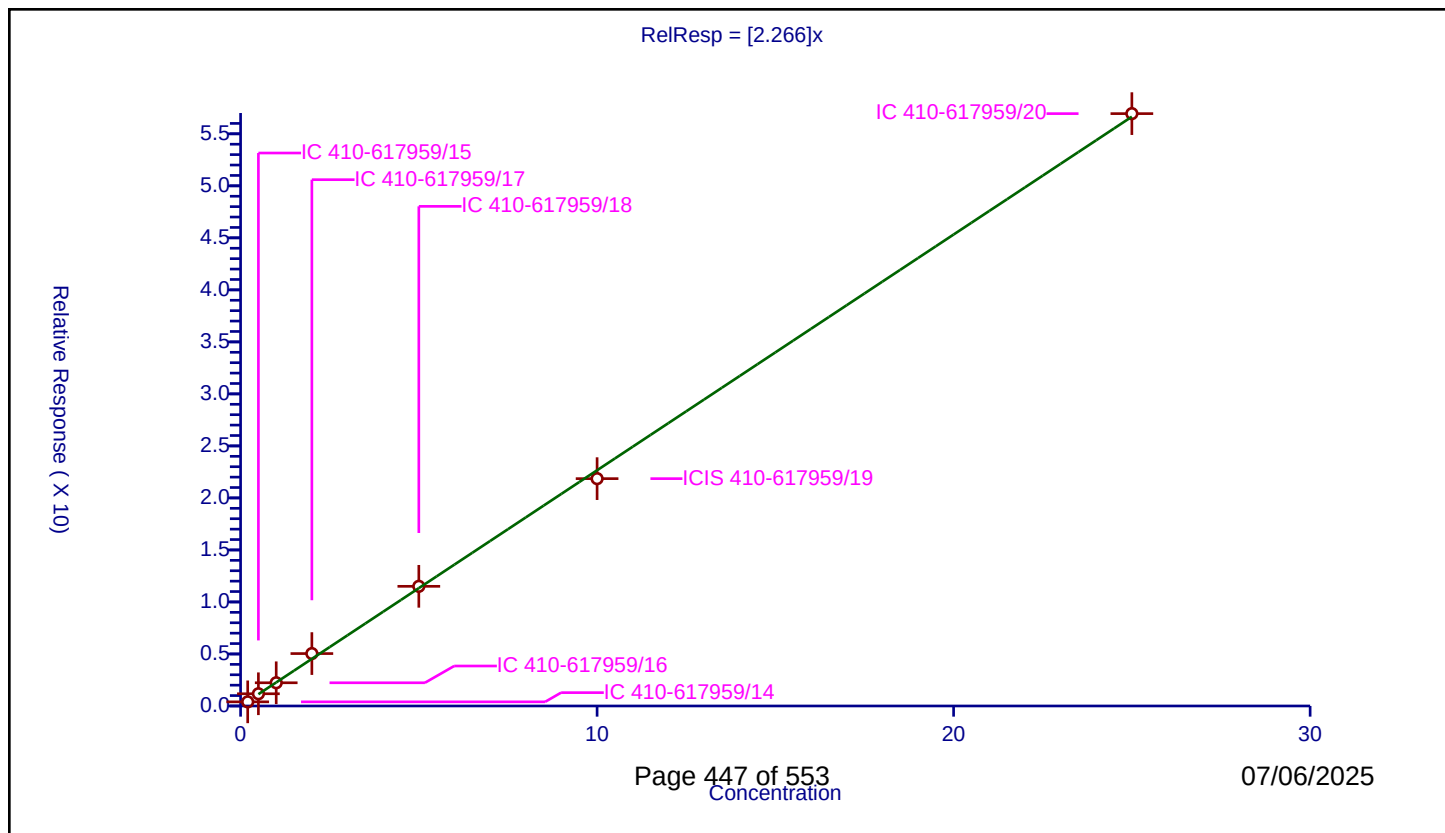
## Curve Coefficients

Intercept: 0  
Slope: 2.266

## Error Coefficients

Relative Standard Deviation: 7.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.399671   | 10.0      | 1591685.0   | 1.998354 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 1.174196   | 10.0      | 1402824.0   | 2.348392 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 2.2317     | 10.0      | 1645732.0   | 2.2317   | Y    |
| 4  | IC 410-617959/17   | 2.0           | 5.03801    | 10.0      | 1459225.0   | 2.519005 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 11.503285  | 10.0      | 1785596.0   | 2.300657 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 21.854067  | 10.0      | 1899624.0   | 2.185407 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 56.941492  | 10.0      | 2048855.0   | 2.27766  | 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

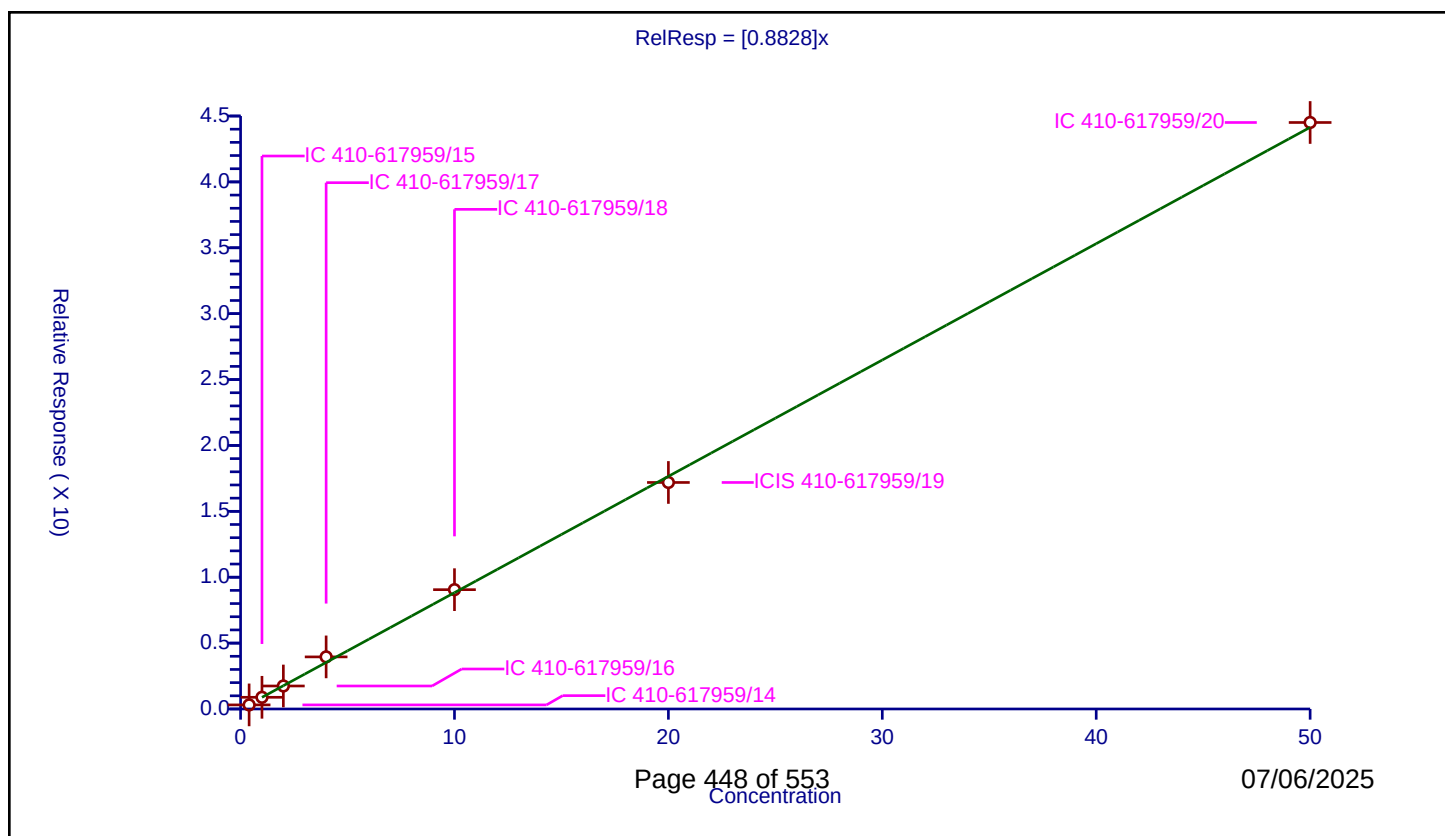
### Curve Coefficients

Intercept: 0  
Slope: 0.8828

### Error Coefficients

Relative Standard Deviation: 7.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.4           | 0.309923   | 10.0      | 1591685.0   | 0.774808 | Y    |
| 2  | IC 410-617959/15   | 1.0           | 0.888223   | 10.0      | 1402824.0   | 0.888223 | Y    |
| 3  | IC 410-617959/16   | 2.0           | 1.745661   | 10.0      | 1645732.0   | 0.87283  | Y    |
| 4  | IC 410-617959/17   | 4.0           | 3.953873   | 10.0      | 1459225.0   | 0.988468 | Y    |
| 5  | IC 410-617959/18   | 10.0          | 9.055593   | 10.0      | 1785596.0   | 0.905559 | Y    |
| 6  | ICIS 410-617959/19 | 20.0          | 17.190686  | 10.0      | 1899624.0   | 0.859534 | Y    |
| 7  | IC 410-617959/20   | 50.0          | 44.507913  | 10.0      | 2048855.0   | 0.890158 | Y    |



## Calibration

/ o-Xylene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

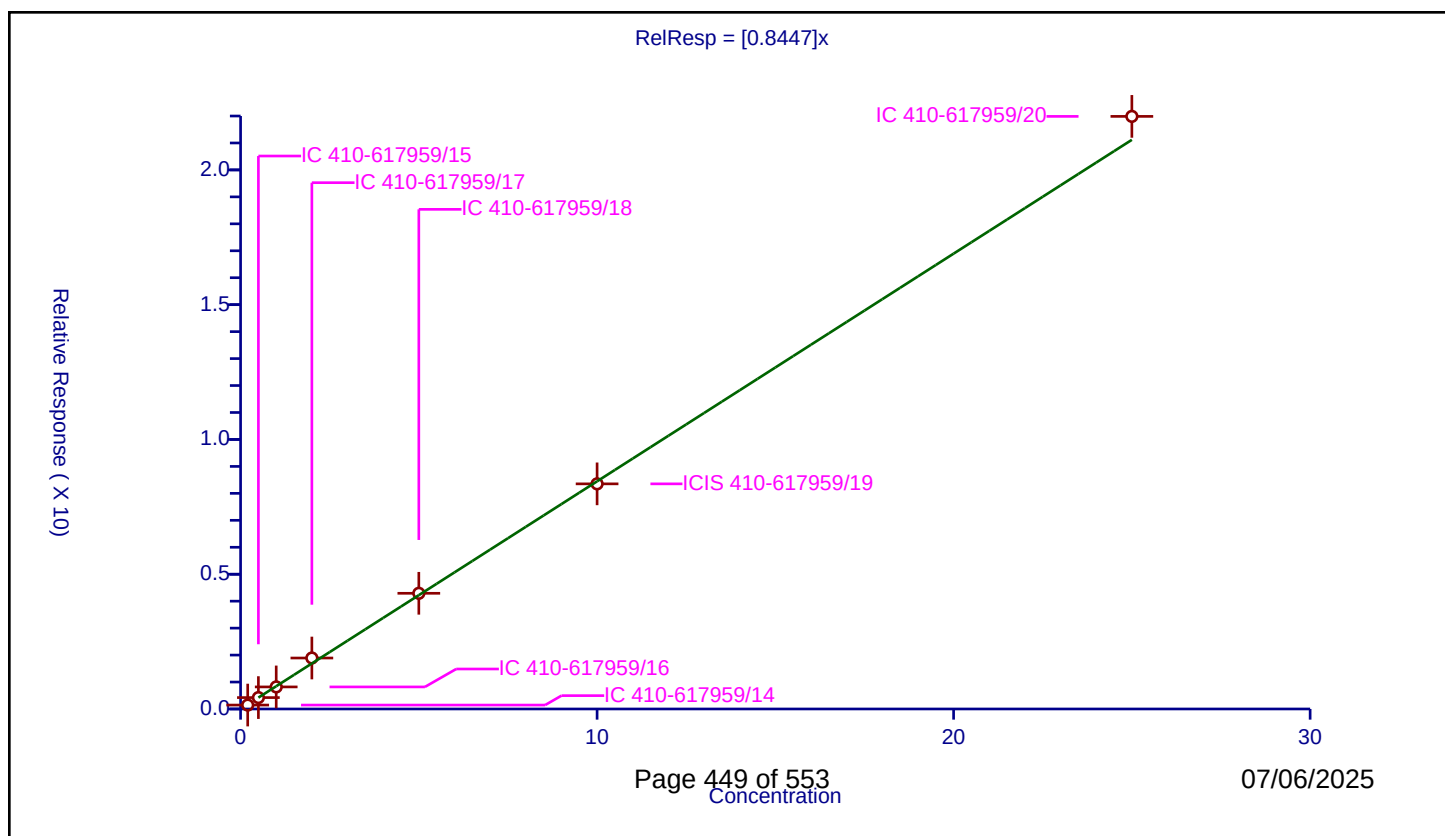
## Curve Coefficients

Intercept: 0  
Slope: 0.8447

## Error Coefficients

Relative Standard Deviation: 7.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.146028   | 10.0      | 1591685.0   | 0.730138 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.422876   | 10.0      | 1402824.0   | 0.845751 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.818311   | 10.0      | 1645732.0   | 0.818311 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.890689   | 10.0      | 1459225.0   | 0.945344 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 4.292242   | 10.0      | 1785596.0   | 0.858448 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 8.353027   | 10.0      | 1899624.0   | 0.835303 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 21.986324  | 10.0      | 2048855.0   | 0.879453 | Y    |



## Calibration

/ Styrene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

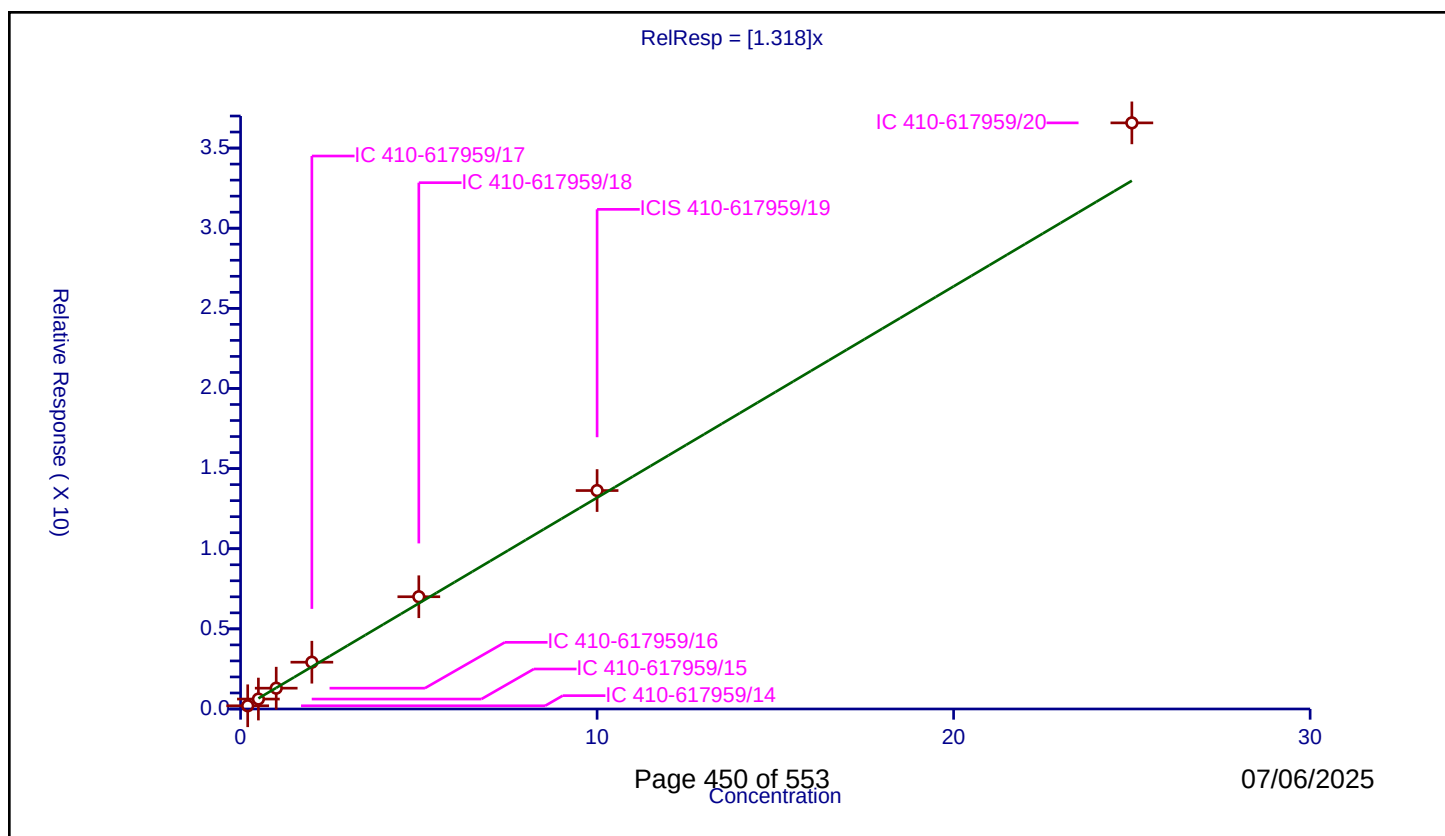
## Curve Coefficients

Intercept: 0  
Slope: 1.318

## Error Coefficients

Relative Standard Deviation: 12.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.201158   | 10.0      | 1591685.0   | 1.005789 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.619679   | 10.0      | 1402824.0   | 1.239357 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.298091   | 10.0      | 1645732.0   | 1.298091 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 2.9187     | 10.0      | 1459225.0   | 1.45935  | Y    |
| 5  | IC 410-617959/18   | 5.0           | 7.003606   | 10.0      | 1785596.0   | 1.400721 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 13.629913  | 10.0      | 1899624.0   | 1.362991 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 36.572695  | 10.0      | 2048855.0   | 1.462908 | Y    |



Calibration

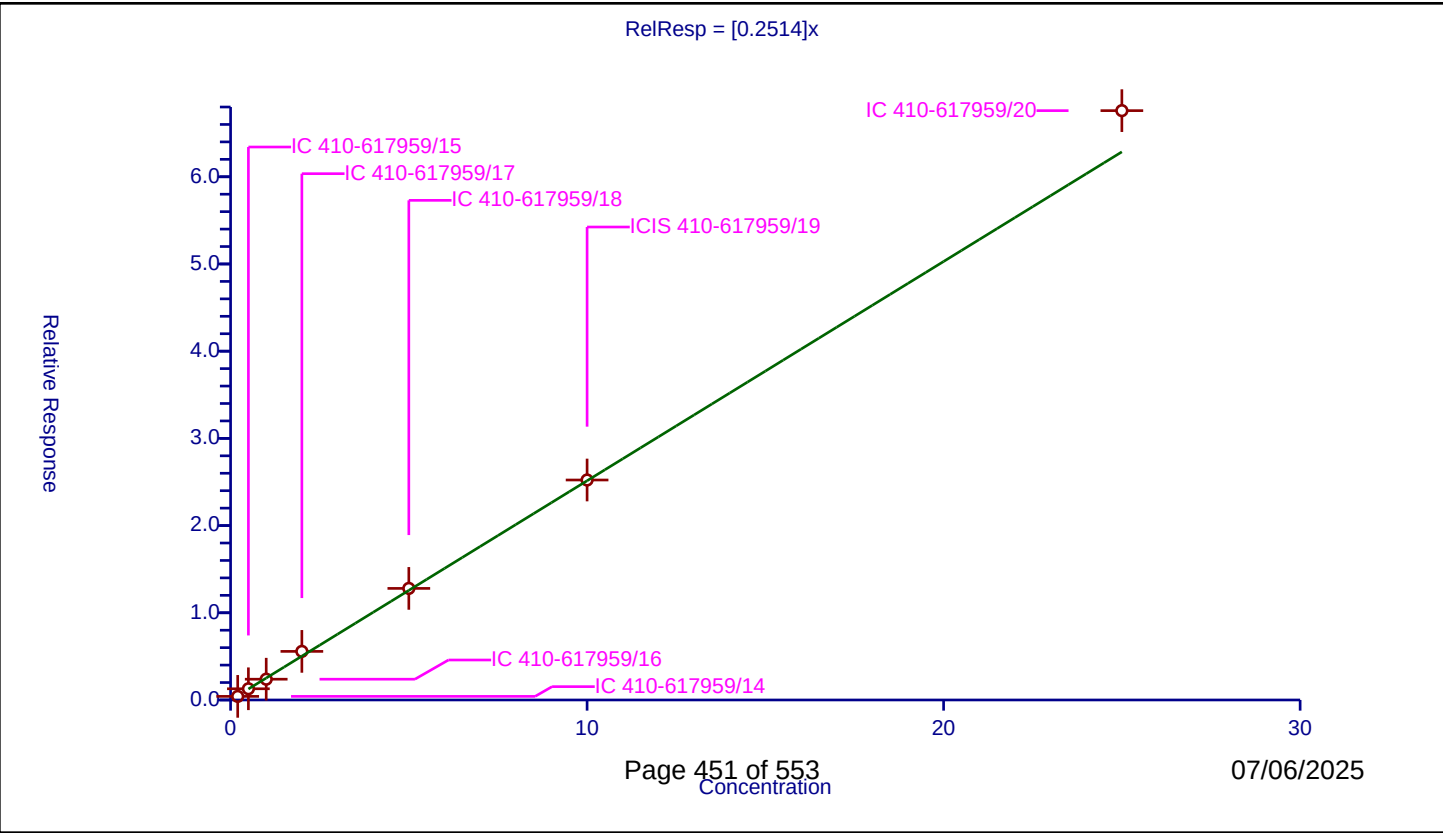
/ Bromoform

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |        |
|--------------------|--------|
| Intercept:         | 0      |
| Slope:             | 0.2514 |
| Error Coefficients |        |

Relative Standard Deviation: 9.3

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.041428   | 10.0      | 1591685.0   | 0.207139 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.128733   | 10.0      | 1402824.0   | 0.257466 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.238228   | 10.0      | 1645732.0   | 0.238228 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.557262   | 10.0      | 1459225.0   | 0.278631 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.279702   | 10.0      | 1785596.0   | 0.25594  | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 2.522794   | 10.0      | 1899624.0   | 0.252279 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 6.758336   | 10.0      | 2048855.0   | 0.270333 | Y    |



## Calibration

/ Isopropylbenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

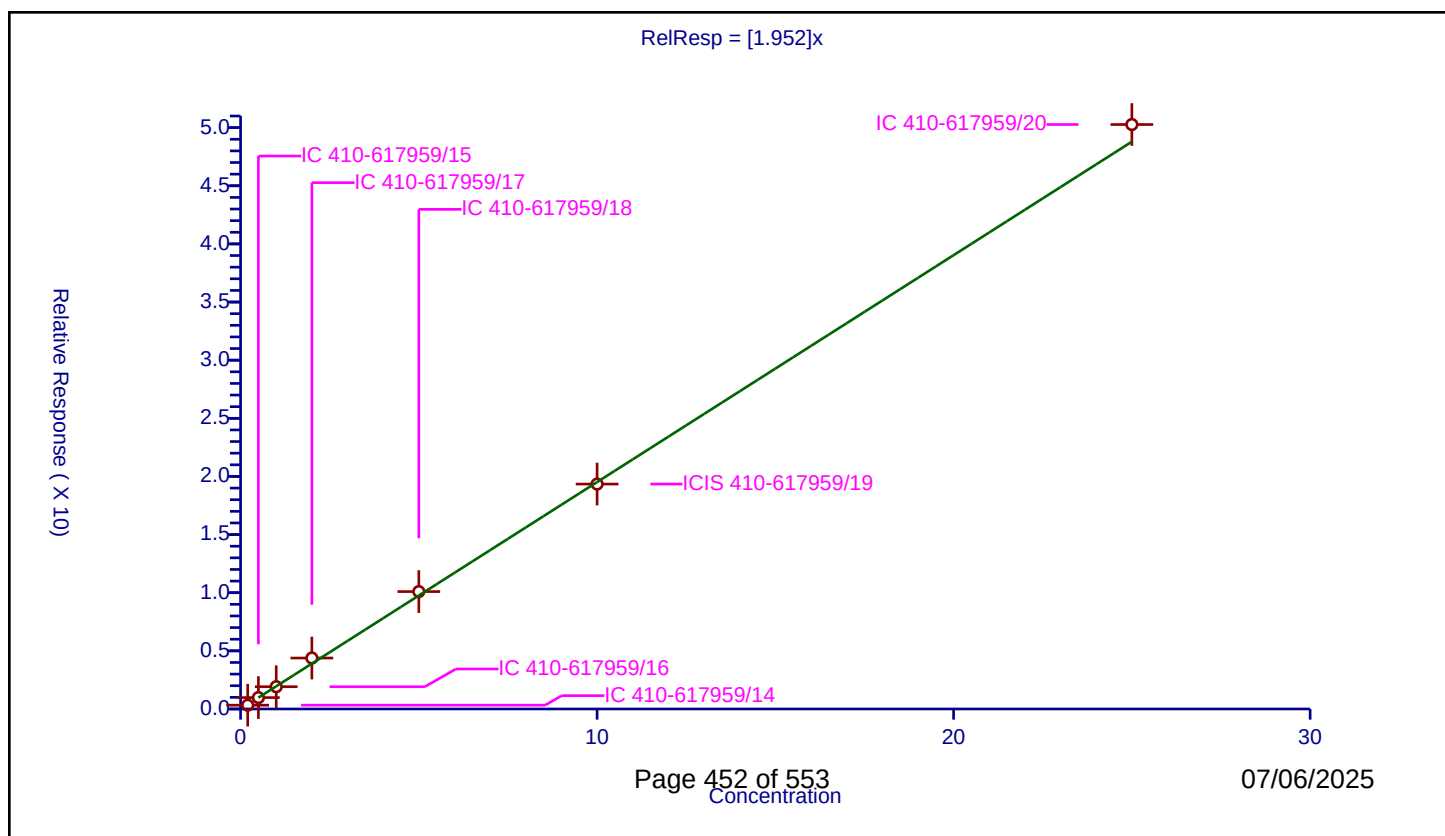
## Curve Coefficients

Intercept: 0  
Slope: 1.952

## Error Coefficients

Relative Standard Deviation: 8.6

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.325994   | 10.0      | 1591685.0   | 1.629971 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.979995   | 10.0      | 1402824.0   | 1.959989 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.915956   | 10.0      | 1645732.0   | 1.915956 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 4.381867   | 10.0      | 1459225.0   | 2.190934 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 10.097295  | 10.0      | 1785596.0   | 2.019459 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 19.345007  | 10.0      | 1899624.0   | 1.934501 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 50.268233  | 10.0      | 2048855.0   | 2.010729 | Y    |





# Calibration

/ 4-Bromofluorobenzene (Surr)

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

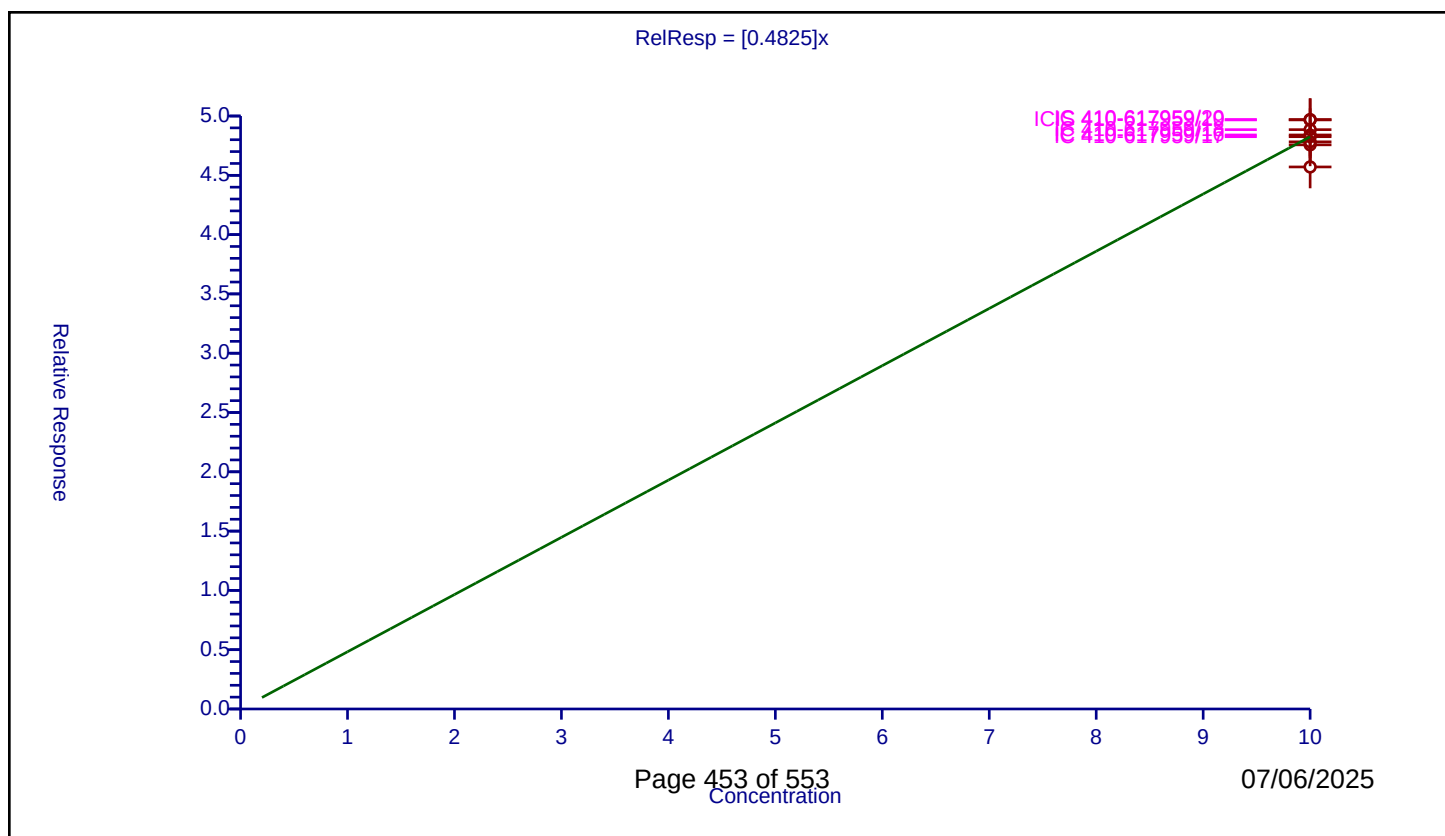
## Curve Coefficients

Intercept: 0  
Slope: 0.4825

## Error Coefficients

Relative Standard Deviation: 2.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/13   | 10.0          | 4.570609   | 10.0      | 1390900.0   | 0.457061 | Y    |
| 2  | IC 410-617959/14   | 10.0          | 4.756927   | 10.0      | 1591685.0   | 0.475693 | Y    |
| 3  | IC 410-617959/15   | 10.0          | 4.782246   | 10.0      | 1402824.0   | 0.478225 | Y    |
| 4  | IC 410-617959/16   | 10.0          | 4.840065   | 10.0      | 1645732.0   | 0.484007 | Y    |
| 5  | IC 410-617959/17   | 10.0          | 4.825589   | 10.0      | 1459225.0   | 0.482559 | Y    |
| 6  | IC 410-617959/18   | 10.0          | 4.885047   | 10.0      | 1785596.0   | 0.488505 | Y    |
| 7  | ICIS 410-617959/19 | 10.0          | 4.967225   | 10.0      | 1899624.0   | 0.496723 | Y    |
| 8  | IC 410-617959/20   | 10.0          | 4.970181   | 10.0      | 2048855.0   | 0.497018 | Y    |



Calibration

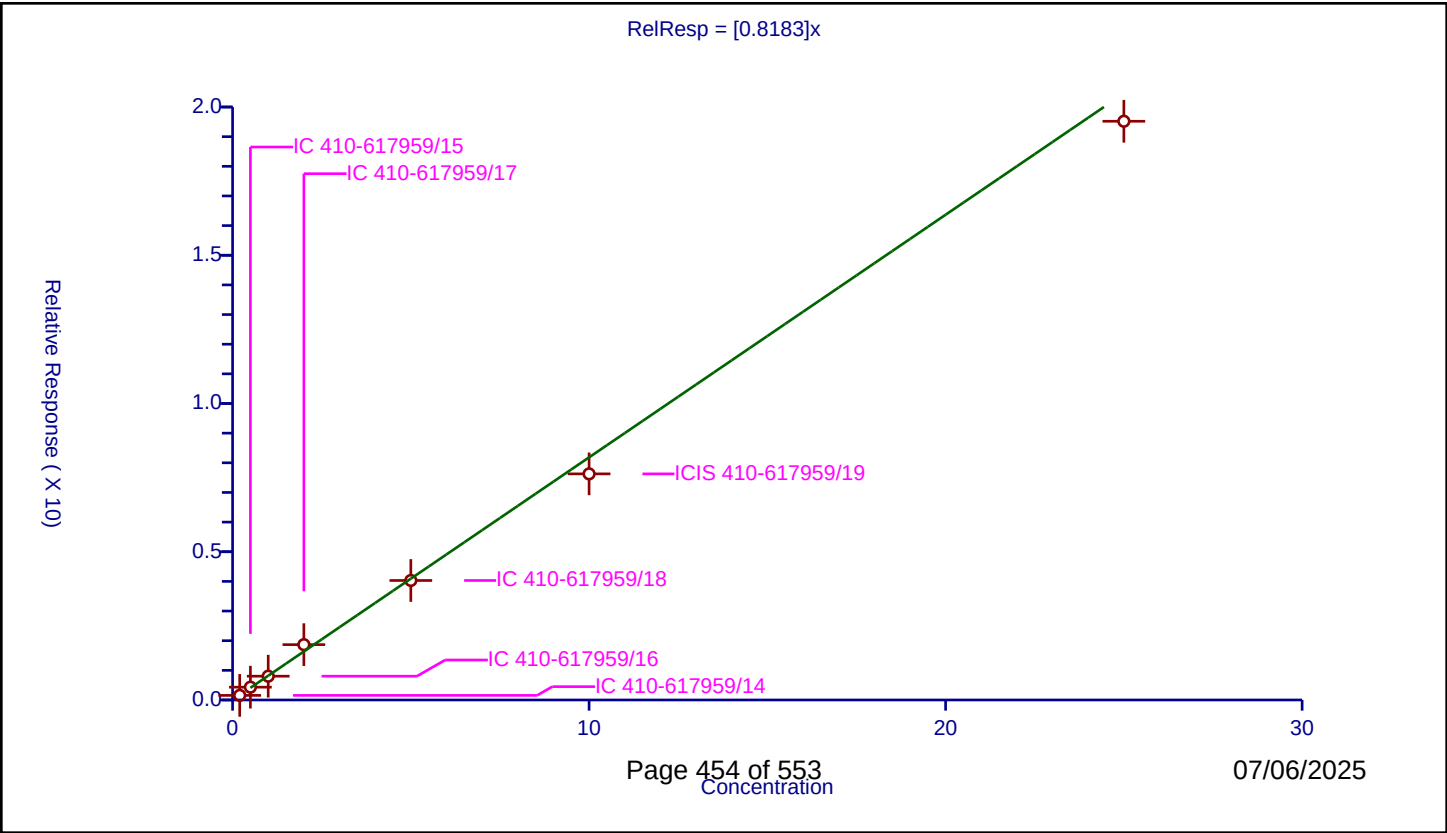
/ 1,1,2,2-Tetrachloroethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |        |
|--------------------|--------|
| Intercept:         | 0      |
| Slope:             | 0.8183 |
| Error Coefficients |        |

Relative Standard Deviation: 7.4

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.155557   | 10.0      | 911111.0    | 0.777787 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.432346   | 10.0      | 802552.0    | 0.864692 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.802735   | 10.0      | 945106.0    | 0.802735 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.8667     | 10.0      | 823823.0    | 0.93335  | Y    |
| 5  | IC 410-617959/18   | 5.0           | 4.030694   | 10.0      | 1035499.0   | 0.806139 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 7.626601   | 10.0      | 1112211.0   | 0.76266  | Y    |
| 7  | IC 410-617959/20   | 25.0          | 19.519976  | 10.0      | 1219190.0   | 0.780799 | Y    |



# Calibration

/ Bromobenzene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

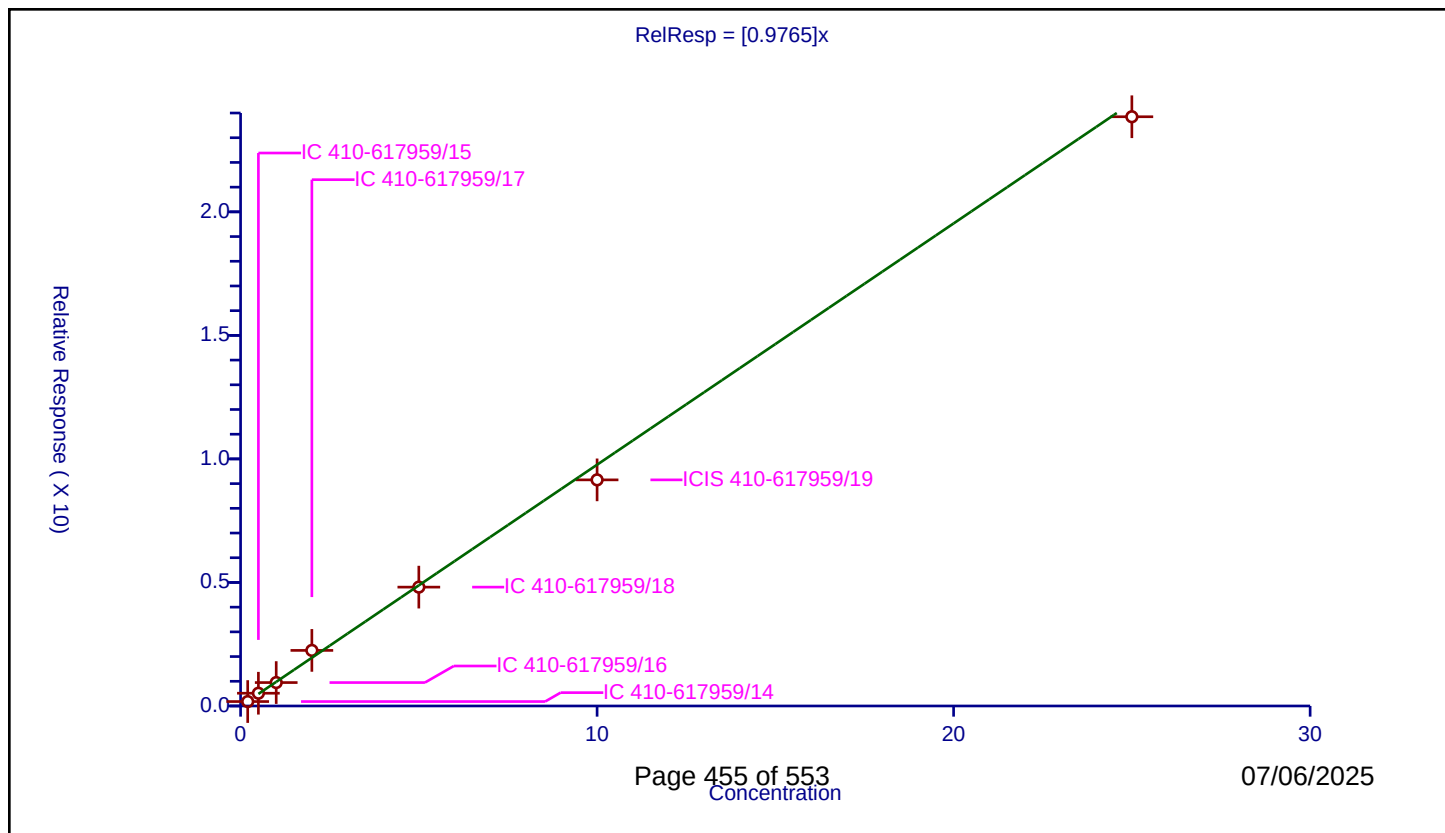
## Curve Coefficients

Intercept: 0  
 Slope: 0.9765

## Error Coefficients

Relative Standard Deviation: 8.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.179868   | 10.0      | 911111.0    | 0.899342 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.516104   | 10.0      | 802552.0    | 1.032207 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.948306   | 10.0      | 945106.0    | 0.948306 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 2.249282   | 10.0      | 823823.0    | 1.124641 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 4.810927   | 10.0      | 1035499.0   | 0.962185 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 9.151959   | 10.0      | 1112211.0   | 0.915196 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 23.848383  | 10.0      | 1219190.0   | 0.953935 | Y    |



Calibration

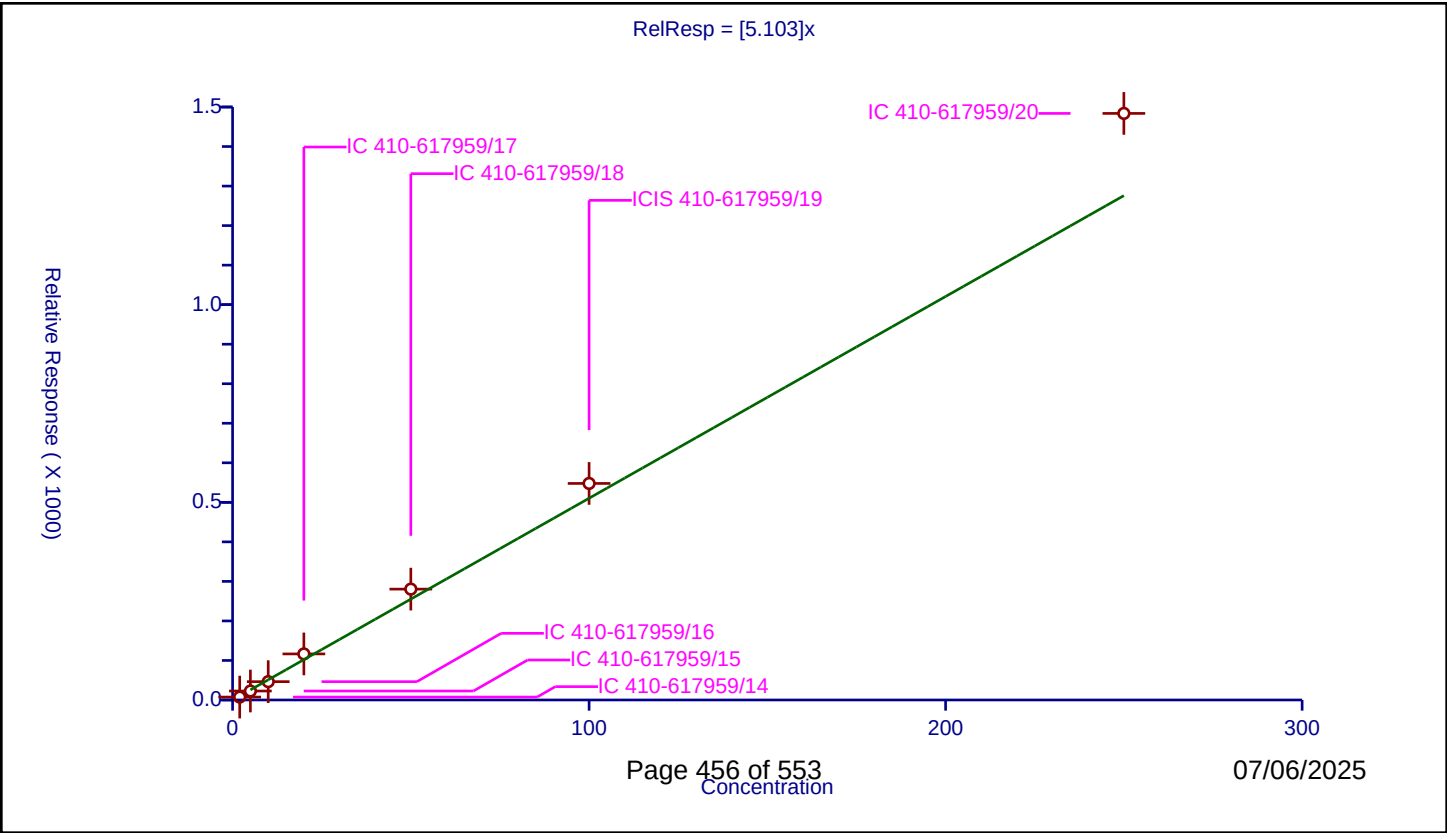
/ trans-1,4-Dichloro-2-butene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |       |
|--------------------|-------|
| Intercept:         | 0     |
| Slope:             | 5.103 |
| Error Coefficients |       |

Relative Standard Deviation: 16.2

| ID | Level              | Concentration | Rel. Resp.  | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|-------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 2.0           | 7.404467    | 50.0      | 173186.0    | 3.702233 | Y    |
| 2  | IC 410-617959/15   | 5.0           | 22.673962   | 50.0      | 150234.0    | 4.534792 | Y    |
| 3  | IC 410-617959/16   | 10.0          | 46.388164   | 50.0      | 176683.0    | 4.638816 | Y    |
| 4  | IC 410-617959/17   | 20.0          | 116.513706  | 50.0      | 155813.0    | 5.825685 | Y    |
| 5  | IC 410-617959/18   | 50.0          | 280.471079  | 50.0      | 177762.0    | 5.609422 | Y    |
| 6  | ICIS 410-617959/19 | 100.0         | 547.810014  | 50.0      | 197604.0    | 5.4781   | Y    |
| 7  | IC 410-617959/20   | 250.0         | 1483.780746 | 50.0      | 216169.0    | 5.935123 | Y    |



Calibration

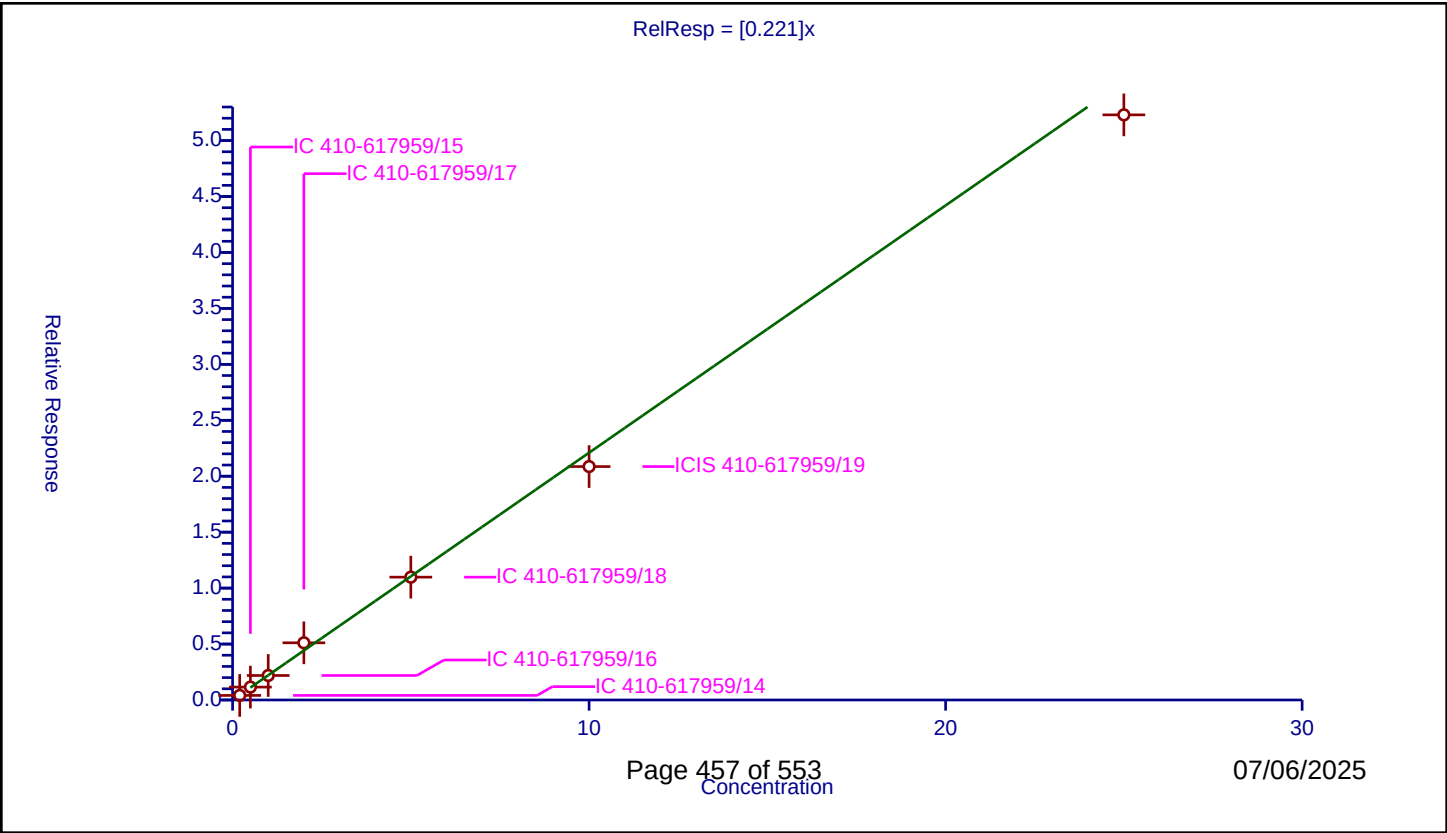
/ 1,2,3-Trichloropropane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |       |
|--------------------|-------|
| Intercept:         | 0     |
| Slope:             | 0.221 |
| Error Coefficients |       |

Relative Standard Deviation: 8.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.040906   | 10.0      | 911111.0    | 0.204531 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.115332   | 10.0      | 802552.0    | 0.230664 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.218896   | 10.0      | 945106.0    | 0.218896 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.511153   | 10.0      | 823823.0    | 0.255577 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.098021   | 10.0      | 1035499.0   | 0.219604 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 2.086403   | 10.0      | 1112211.0   | 0.20864  | Y    |
| 7  | IC 410-617959/20   | 25.0          | 5.229833   | 10.0      | 1219190.0   | 0.209193 | Y    |



Calibration

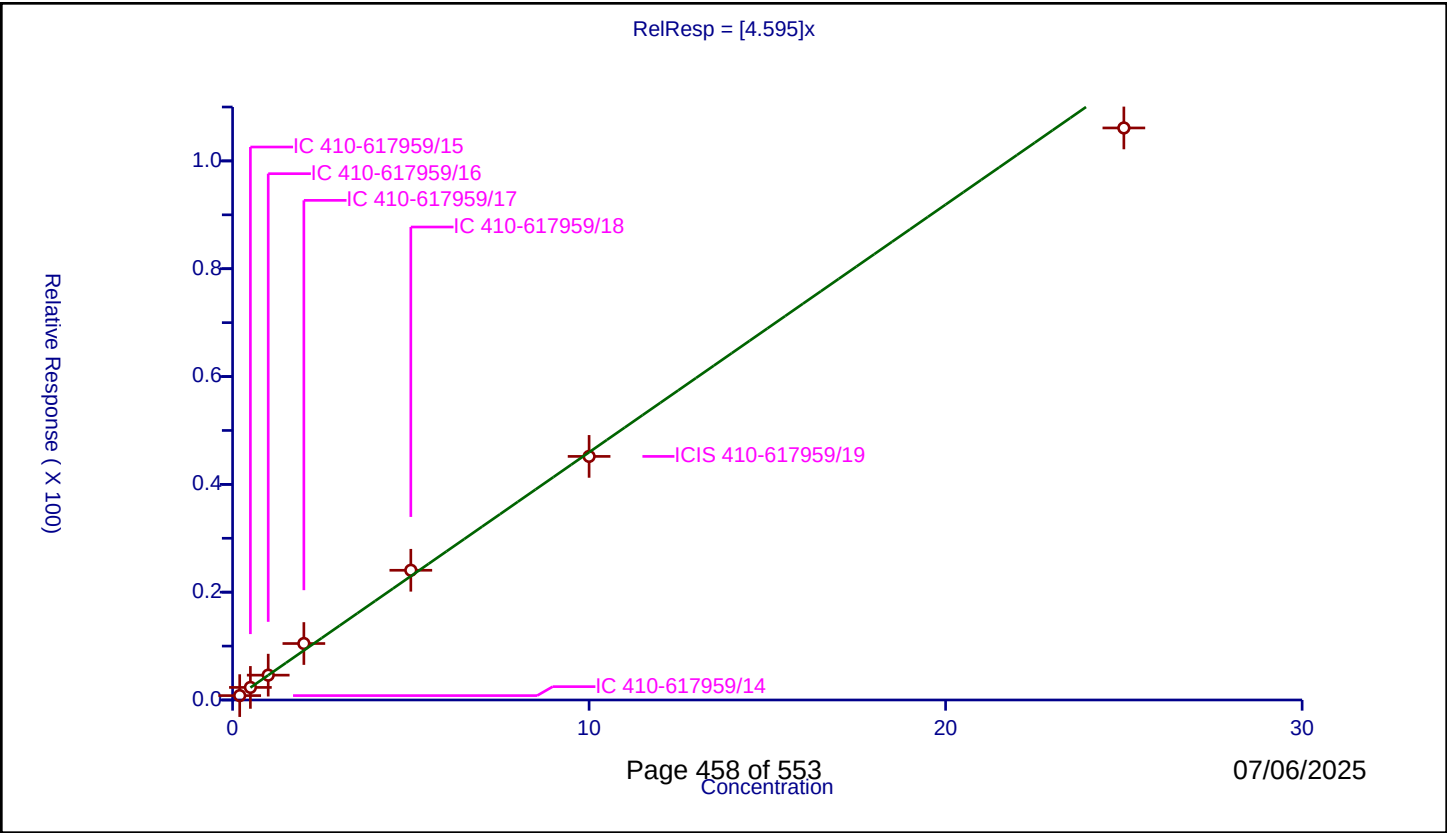
/ N-Propylbenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |       |
|--------------------|-------|
| Intercept:         | 0     |
| Slope:             | 4.595 |
| Error Coefficients |       |

Relative Standard Deviation: 8.3

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.814829   | 10.0      | 911111.0    | 4.074147 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 2.333955   | 10.0      | 802552.0    | 4.667909 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 4.609028   | 10.0      | 945106.0    | 4.609028 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 10.474313  | 10.0      | 823823.0    | 5.237157 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 24.066088  | 10.0      | 1035499.0   | 4.813218 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 45.188638  | 10.0      | 1112211.0   | 4.518864 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 106.115733 | 10.0      | 1219190.0   | 4.244629 | Y    |



## Calibration

/ 2-Chlorotoluene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

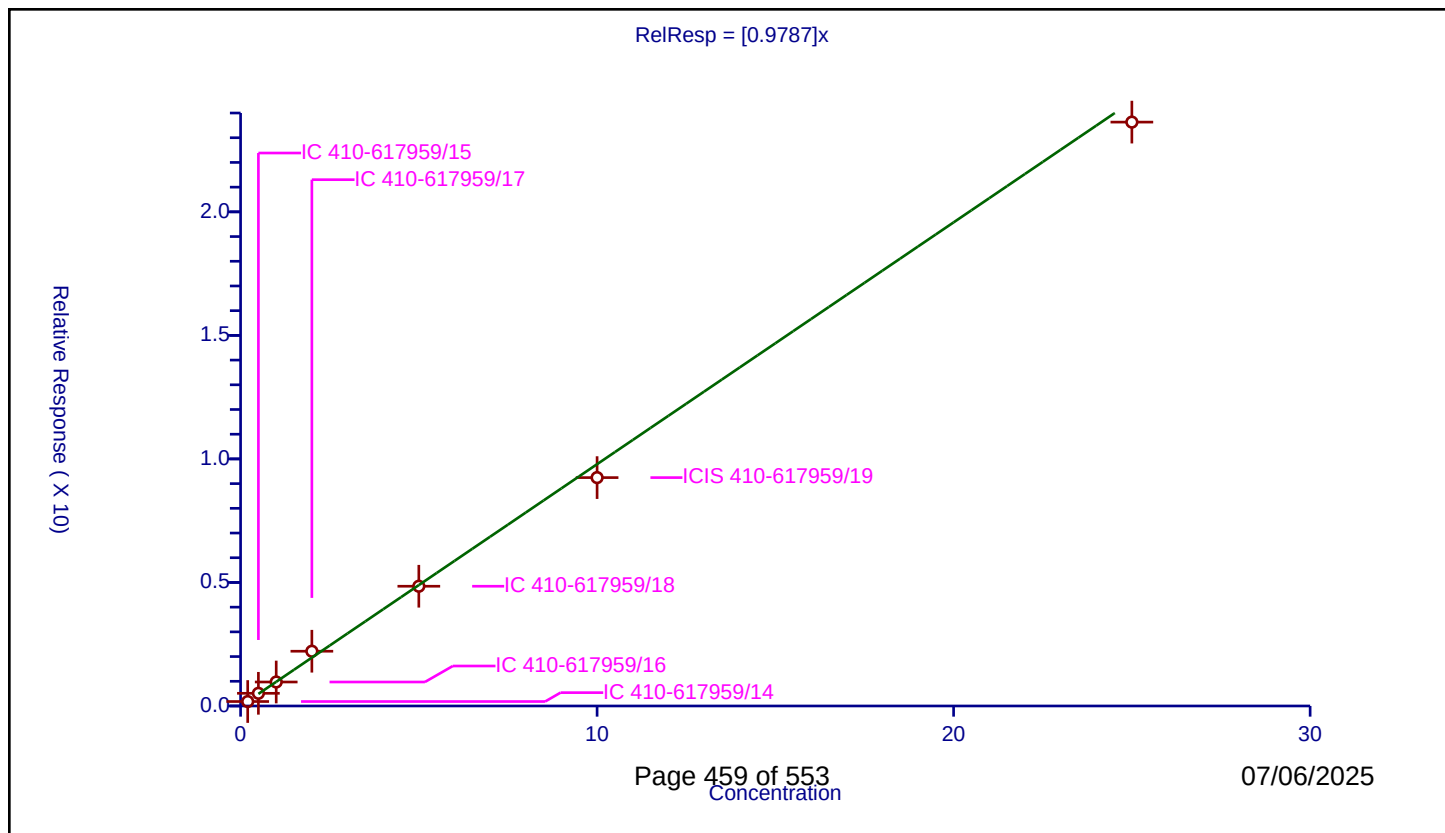
## Curve Coefficients

Intercept: 0  
Slope: 0.9787

## Error Coefficients

Relative Standard Deviation: 7.0

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.181273   | 10.0      | 911111.0    | 0.906366 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.513188   | 10.0      | 802552.0    | 1.026376 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.97114    | 10.0      | 945106.0    | 0.97114  | Y    |
| 4  | IC 410-617959/17   | 2.0           | 2.216168   | 10.0      | 823823.0    | 1.108084 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 4.846465   | 10.0      | 1035499.0   | 0.969293 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 9.244028   | 10.0      | 1112211.0   | 0.924403 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 23.63187   | 10.0      | 1219190.0   | 0.945275 | 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

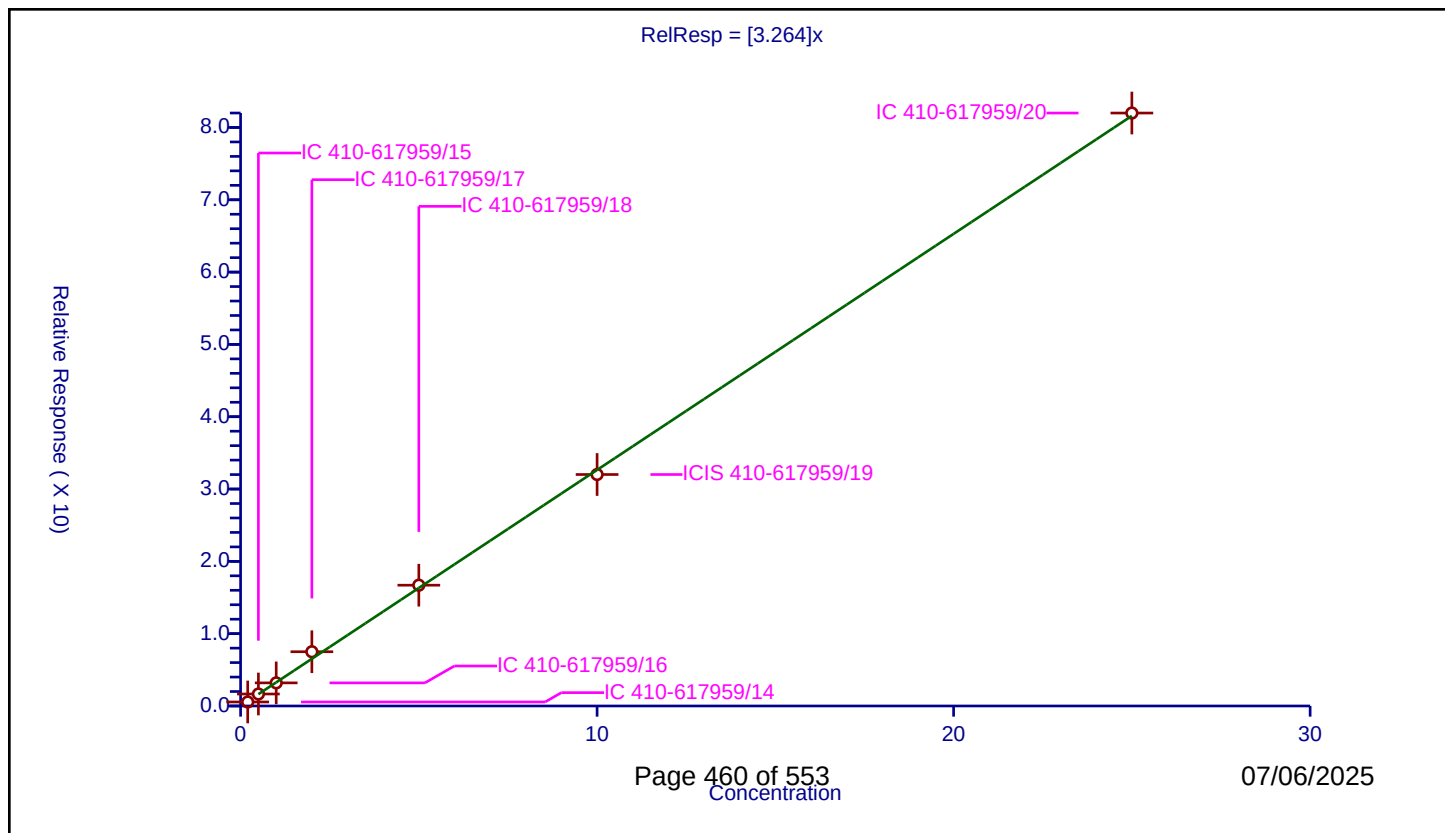
## Curve Coefficients

Intercept: 0  
Slope: 3.264

## Error Coefficients

Relative Standard Deviation: 8.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.554071   | 10.0      | 911111.0    | 2.770354 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 1.655781   | 10.0      | 802552.0    | 3.311561 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 3.196668   | 10.0      | 945106.0    | 3.196668 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 7.501199   | 10.0      | 823823.0    | 3.750599 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 16.704922  | 10.0      | 1035499.0   | 3.340984 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 32.0088    | 10.0      | 1112211.0   | 3.20088  | Y    |
| 7  | IC 410-617959/20   | 25.0          | 81.996596  | 10.0      | 1219190.0   | 3.279864 | Y    |





## Calibration

/ 4-Chlorotoluene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

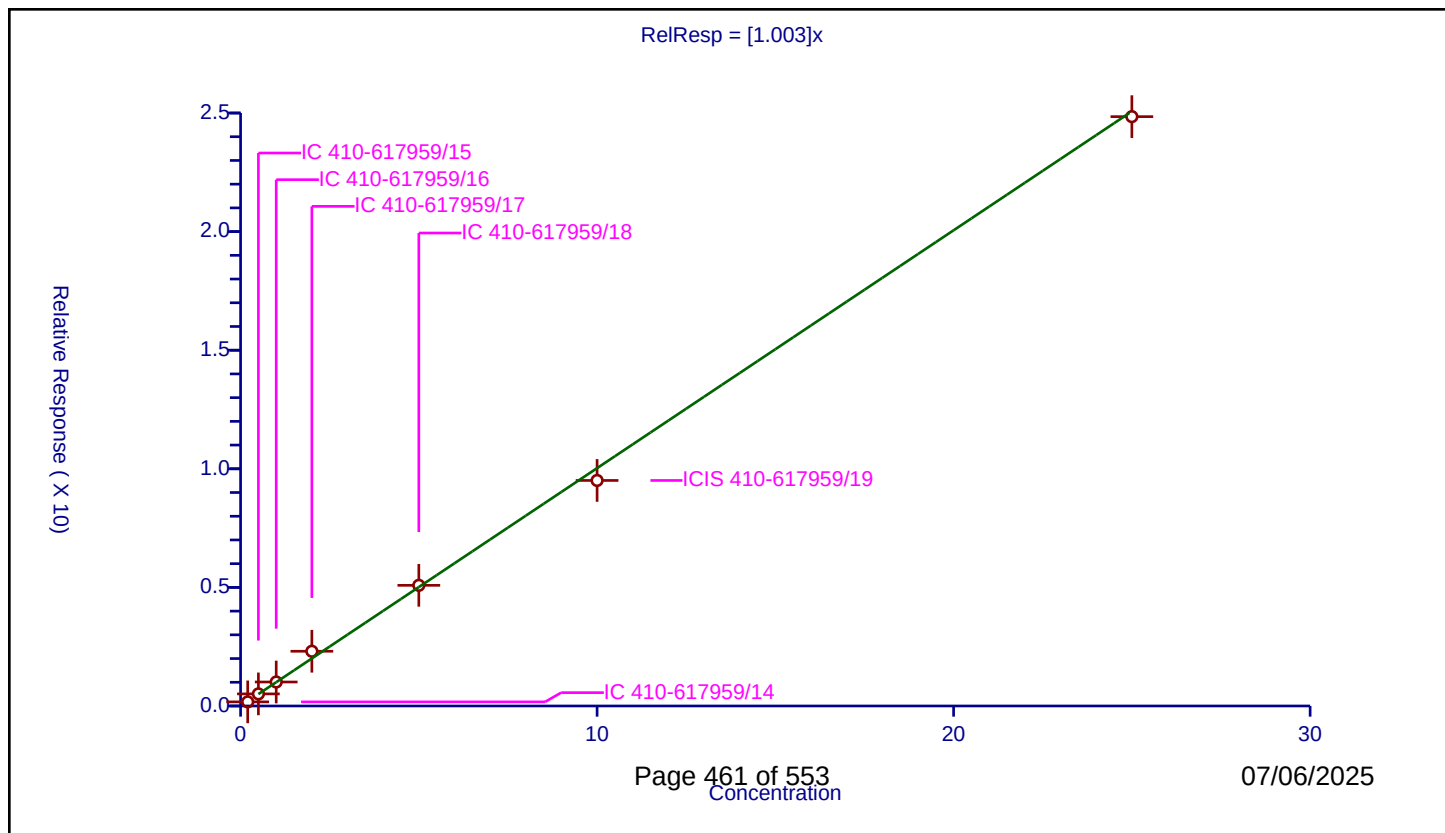
## Curve Coefficients

Intercept: 0  
Slope: 1.003

## Error Coefficients

Relative Standard Deviation: 8.5

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.174249   | 10.0      | 911111.0    | 0.871244 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.510359   | 10.0      | 802552.0    | 1.020719 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.011368   | 10.0      | 945106.0    | 1.011368 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 2.307899   | 10.0      | 823823.0    | 1.153949 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 5.087093   | 10.0      | 1035499.0   | 1.017419 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 9.508268   | 10.0      | 1112211.0   | 0.950827 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 24.847374  | 10.0      | 1219190.0   | 0.993895 | Y    |



# Calibration

/ tert-Butylbenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

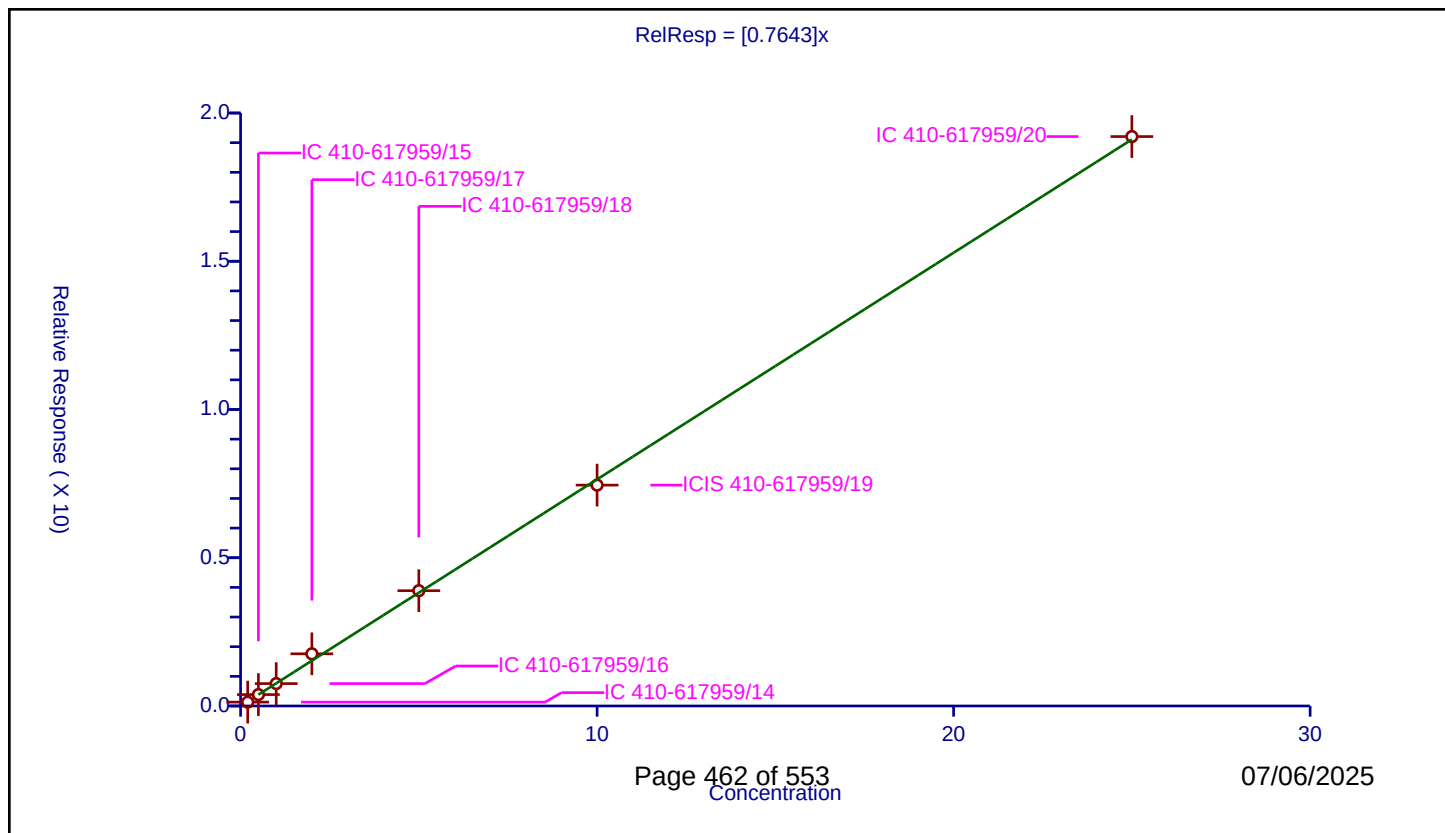
## Curve Coefficients

Intercept: 0  
Slope: 0.7643

## Error Coefficients

Relative Standard Deviation: 8.6

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.131246   | 10.0      | 911111.0    | 0.656232 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.384336   | 10.0      | 802552.0    | 0.768673 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.754899   | 10.0      | 945106.0    | 0.754899 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.759346   | 10.0      | 823823.0    | 0.879673 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 3.888396   | 10.0      | 1035499.0   | 0.777679 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 7.449396   | 10.0      | 1112211.0   | 0.74494  | Y    |
| 7  | IC 410-617959/20   | 25.0          | 19.205948  | 10.0      | 1219190.0   | 0.768238 | Y    |



## Calibration

/ Pentachloroethane

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

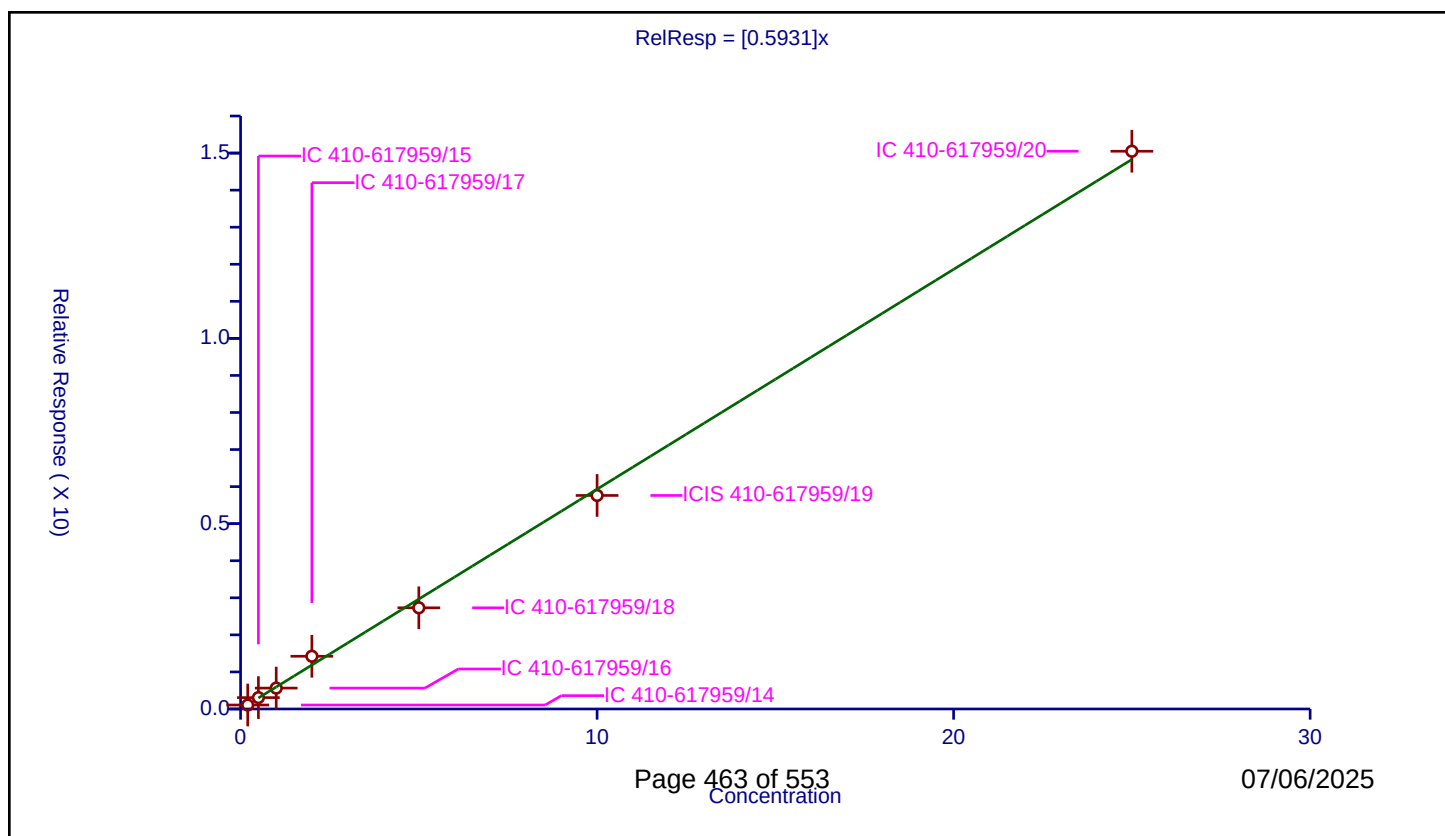
## Curve Coefficients

Intercept: 0  
Slope: 0.5931

## Error Coefficients

Relative Standard Deviation: 9.9

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.107868   | 10.0      | 911111.0    | 0.539342 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.306597   | 10.0      | 802552.0    | 0.613194 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.563725   | 10.0      | 945106.0    | 0.563725 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.422939   | 10.0      | 823823.0    | 0.71147  | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.73023    | 10.0      | 1035499.0   | 0.546046 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.761398   | 10.0      | 1112211.0   | 0.57614  | Y    |
| 7  | IC 410-617959/20   | 25.0          | 15.049525  | 10.0      | 1219190.0   | 0.601981 | 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

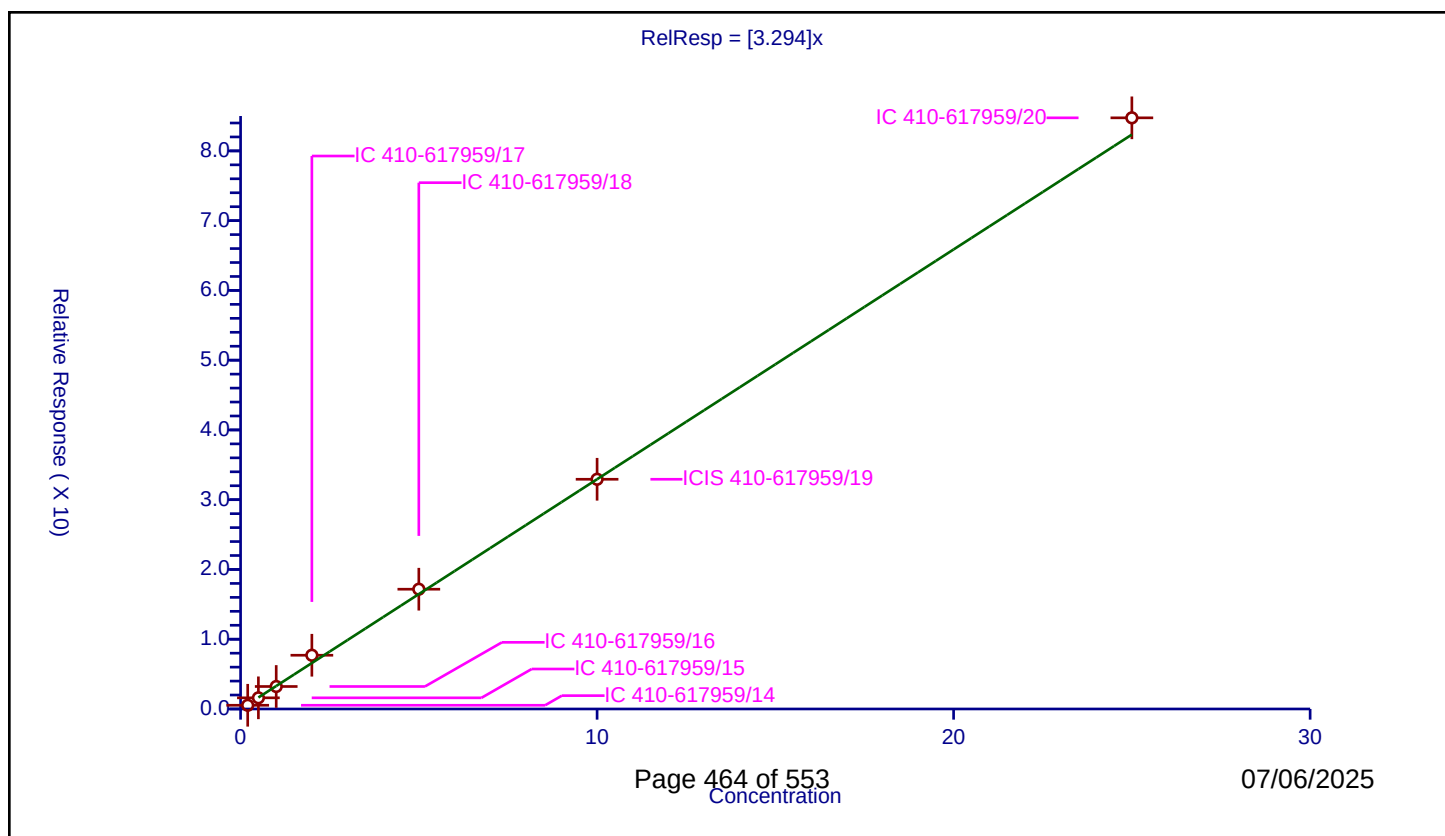
## Curve Coefficients

Intercept: 0  
Slope: 3.294

## Error Coefficients

Relative Standard Deviation: 10.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.532218   | 10.0      | 911111.0    | 2.661092 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 1.600619   | 10.0      | 802552.0    | 3.201238 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 3.223596   | 10.0      | 945106.0    | 3.223596 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 7.705927   | 10.0      | 823823.0    | 3.852964 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 17.168187  | 10.0      | 1035499.0   | 3.433637 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 32.929831  | 10.0      | 1112211.0   | 3.292983 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 84.740967  | 10.0      | 1219190.0   | 3.389639 | Y    |



## Calibration

/ sec-Butylbenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

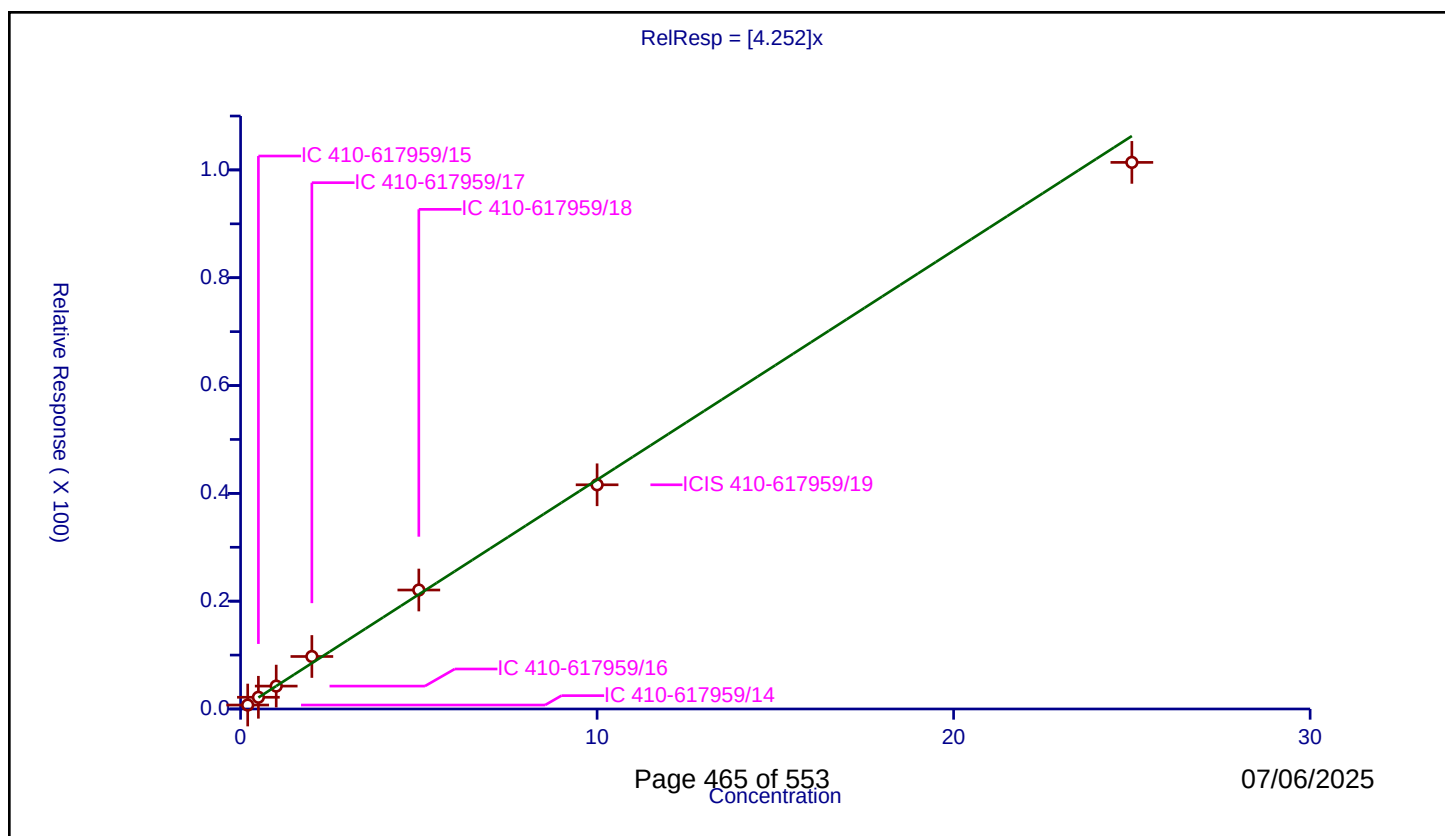
## Curve Coefficients

Intercept: 0  
Slope: 4.252

## Error Coefficients

Relative Standard Deviation: 8.6

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.73395    | 10.0      | 911111.0    | 3.66975  | Y    |
| 2  | IC 410-617959/15   | 0.5           | 2.173666   | 10.0      | 802552.0    | 4.347332 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 4.247164   | 10.0      | 945106.0    | 4.247164 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 9.736169   | 10.0      | 823823.0    | 4.868085 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 22.069843  | 10.0      | 1035499.0   | 4.413969 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 41.591577  | 10.0      | 1112211.0   | 4.159158 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 101.396173 | 10.0      | 1219190.0   | 4.055847 | Y    |



# Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

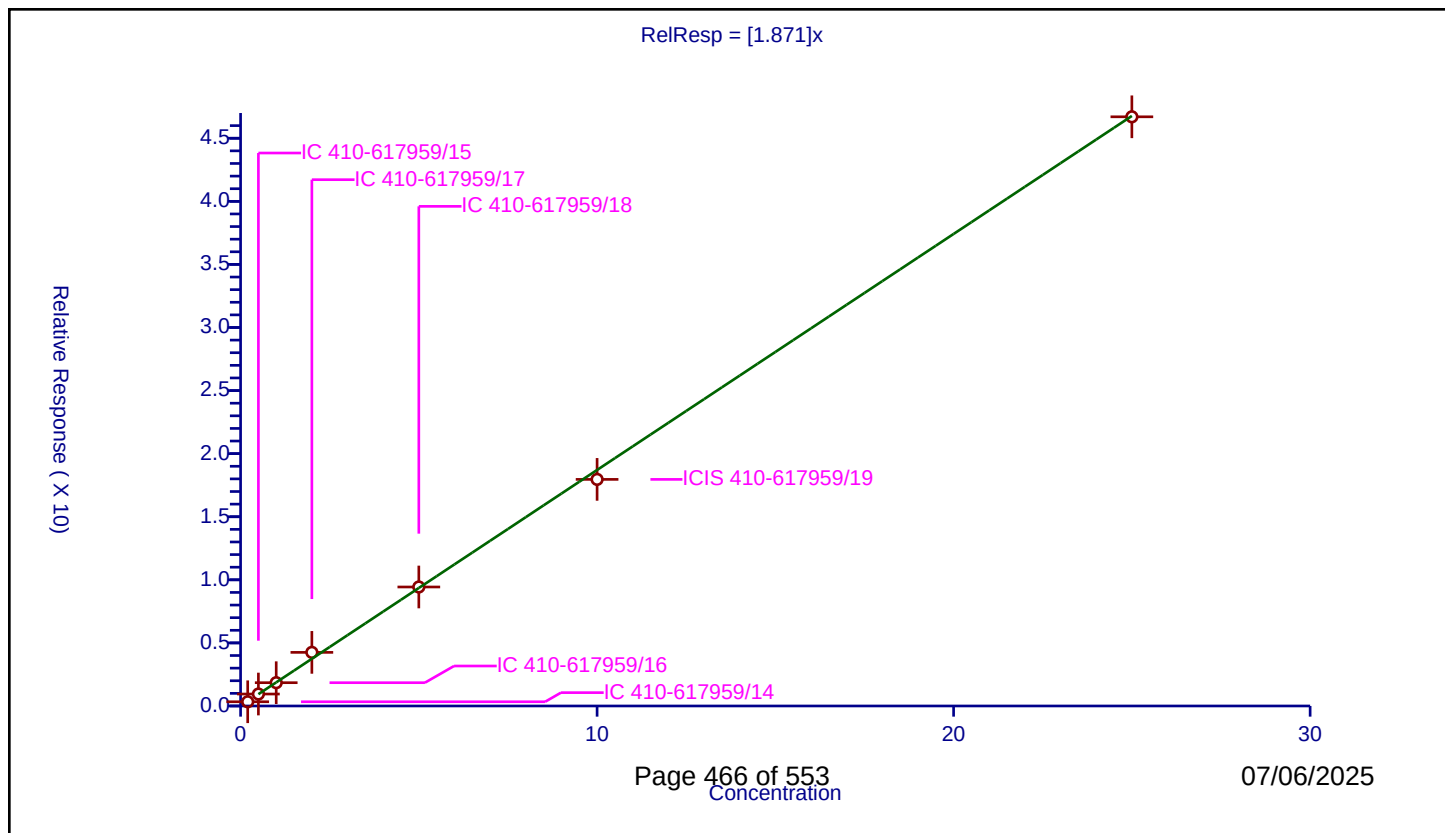
## Curve Coefficients

Intercept: 0  
Slope: 1.871

## Error Coefficients

Relative Standard Deviation: 7.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.335085   | 10.0      | 911111.0    | 1.675427 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.948761   | 10.0      | 802552.0    | 1.897522 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.84646    | 10.0      | 945106.0    | 1.84646  | Y    |
| 4  | IC 410-617959/17   | 2.0           | 4.250051   | 10.0      | 823823.0    | 2.125026 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 9.432525   | 10.0      | 1035499.0   | 1.886505 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 17.960099  | 10.0      | 1112211.0   | 1.79601  | Y    |
| 7  | IC 410-617959/20   | 25.0          | 46.699095  | 10.0      | 1219190.0   | 1.867964 | Y    |



Calibration

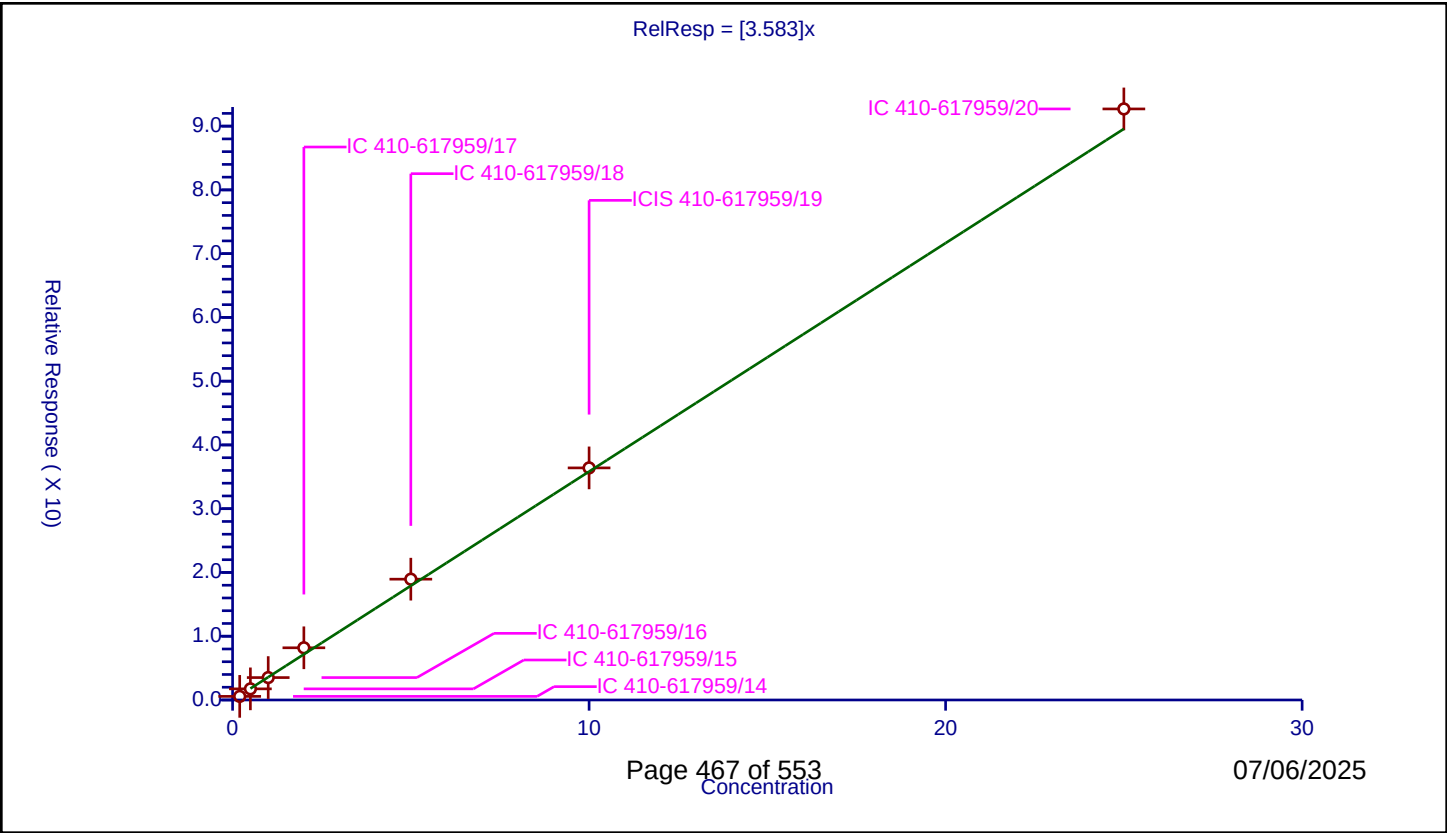
/ 4-Isopropyltoluene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |       |
|--------------------|-------|
| Intercept:         | 0     |
| Slope:             | 3.583 |
| Error Coefficients |       |

Relative Standard Deviation: 10.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.56846    | 10.0      | 911111.0    | 2.842299 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 1.744373   | 10.0      | 802552.0    | 3.488746 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 3.516854   | 10.0      | 945106.0    | 3.516854 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 8.188531   | 10.0      | 823823.0    | 4.094265 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 18.946518  | 10.0      | 1035499.0   | 3.789304 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 36.40124   | 10.0      | 1112211.0   | 3.640124 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 92.699325  | 10.0      | 1219190.0   | 3.707973 | Y    |



# Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

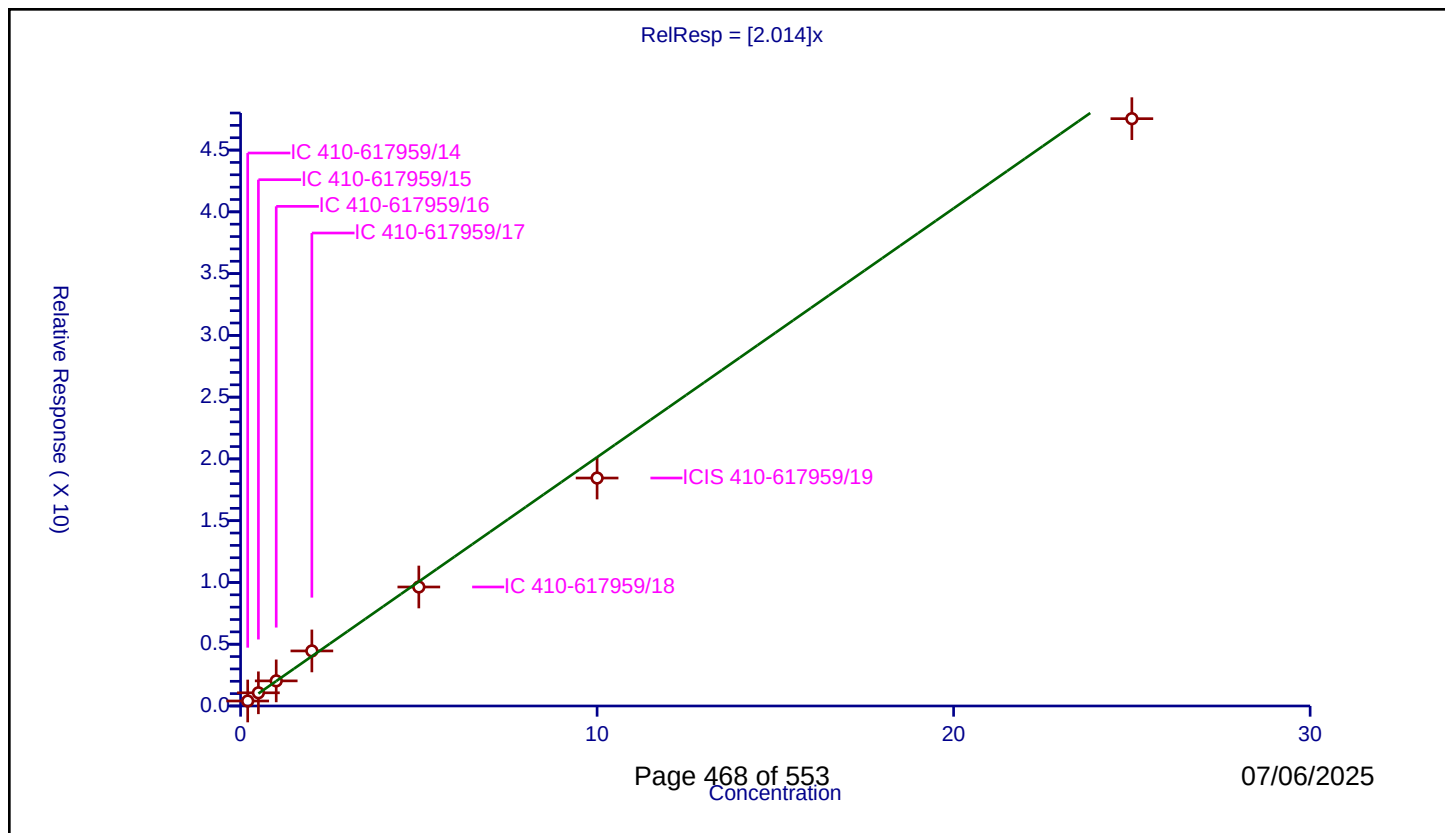
## Curve Coefficients

Intercept: 0  
Slope: 2.014

## Error Coefficients

Relative Standard Deviation: 6.7

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.405472   | 10.0      | 911111.0    | 2.02736  | Y    |
| 2  | IC 410-617959/15   | 0.5           | 1.068292   | 10.0      | 802552.0    | 2.136584 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 2.03191    | 10.0      | 945106.0    | 2.03191  | Y    |
| 4  | IC 410-617959/17   | 2.0           | 4.456394   | 10.0      | 823823.0    | 2.228197 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 9.633655   | 10.0      | 1035499.0   | 1.926731 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 18.453504  | 10.0      | 1112211.0   | 1.84535  | Y    |
| 7  | IC 410-617959/20   | 25.0          | 47.541876  | 10.0      | 1219190.0   | 1.901675 | Y    |





## Calibration

/ 1,2,3-Trimethylbenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

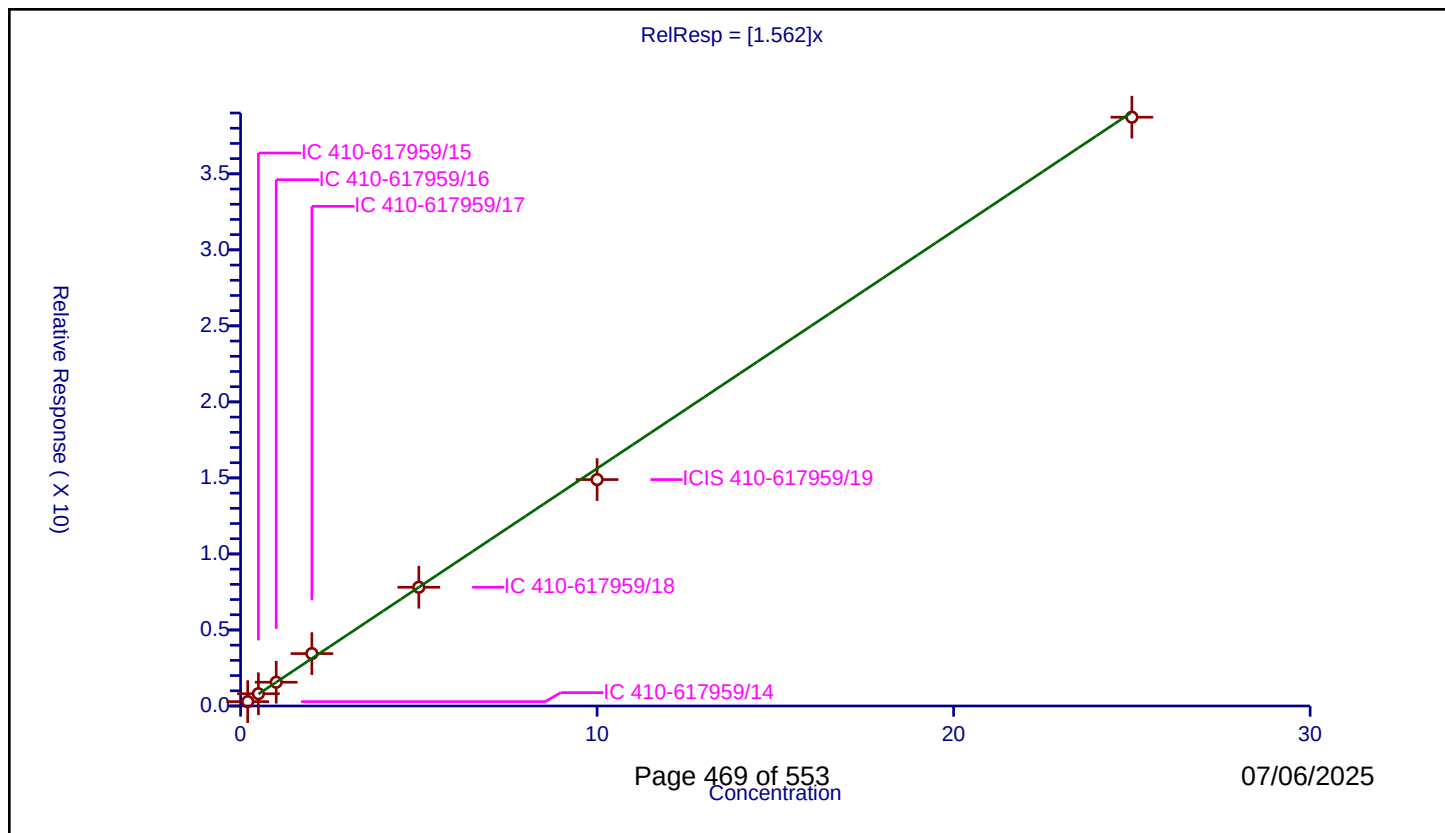
## Curve Coefficients

Intercept: 0  
Slope: 1.562

## Error Coefficients

Relative Standard Deviation: 5.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.287298   | 10.0      | 911111.0    | 1.436488 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.805854   | 10.0      | 802552.0    | 1.611709 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.563243   | 10.0      | 945106.0    | 1.563243 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 3.445813   | 10.0      | 823823.0    | 1.722906 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 7.808438   | 10.0      | 1035499.0   | 1.561688 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 14.891212  | 10.0      | 1112211.0   | 1.489121 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 38.725162  | 10.0      | 1219190.0   | 1.549006 | Y    |



Calibration

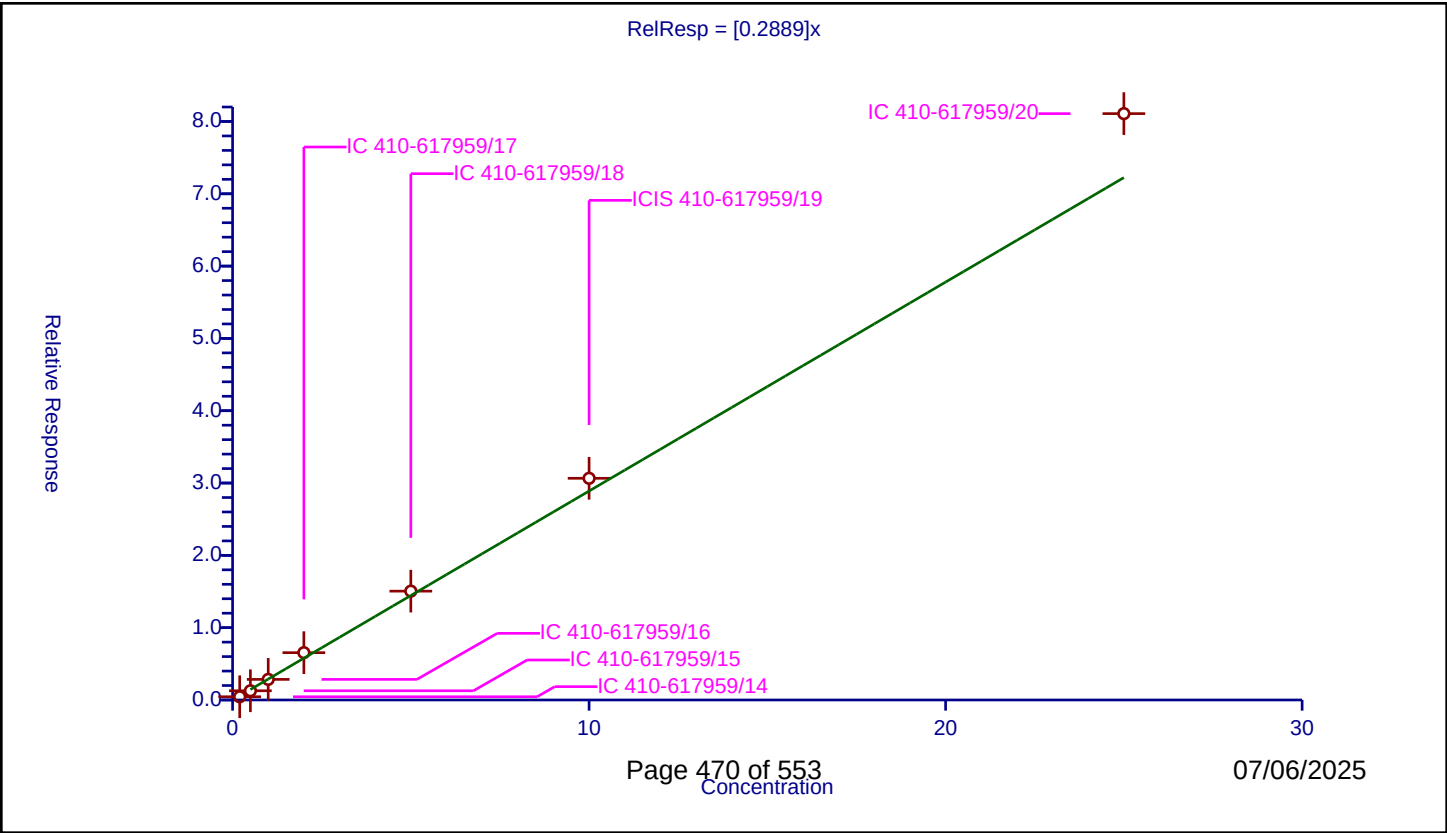
/ Benzyl chloride

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |        |
|--------------------|--------|
| Intercept:         | 0      |
| Slope:             | 0.2889 |
| Error Coefficients |        |

Relative Standard Deviation: 13.1

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.044748   | 10.0      | 911111.0    | 0.223738 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.127568   | 10.0      | 802552.0    | 0.255136 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.284719   | 10.0      | 945106.0    | 0.284719 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.654279   | 10.0      | 823823.0    | 0.327139 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 1.504975   | 10.0      | 1035499.0   | 0.300995 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 3.065713   | 10.0      | 1112211.0   | 0.306571 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 8.108654   | 10.0      | 1219190.0   | 0.324346 | Y    |



## Calibration

/ n-Butylbenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

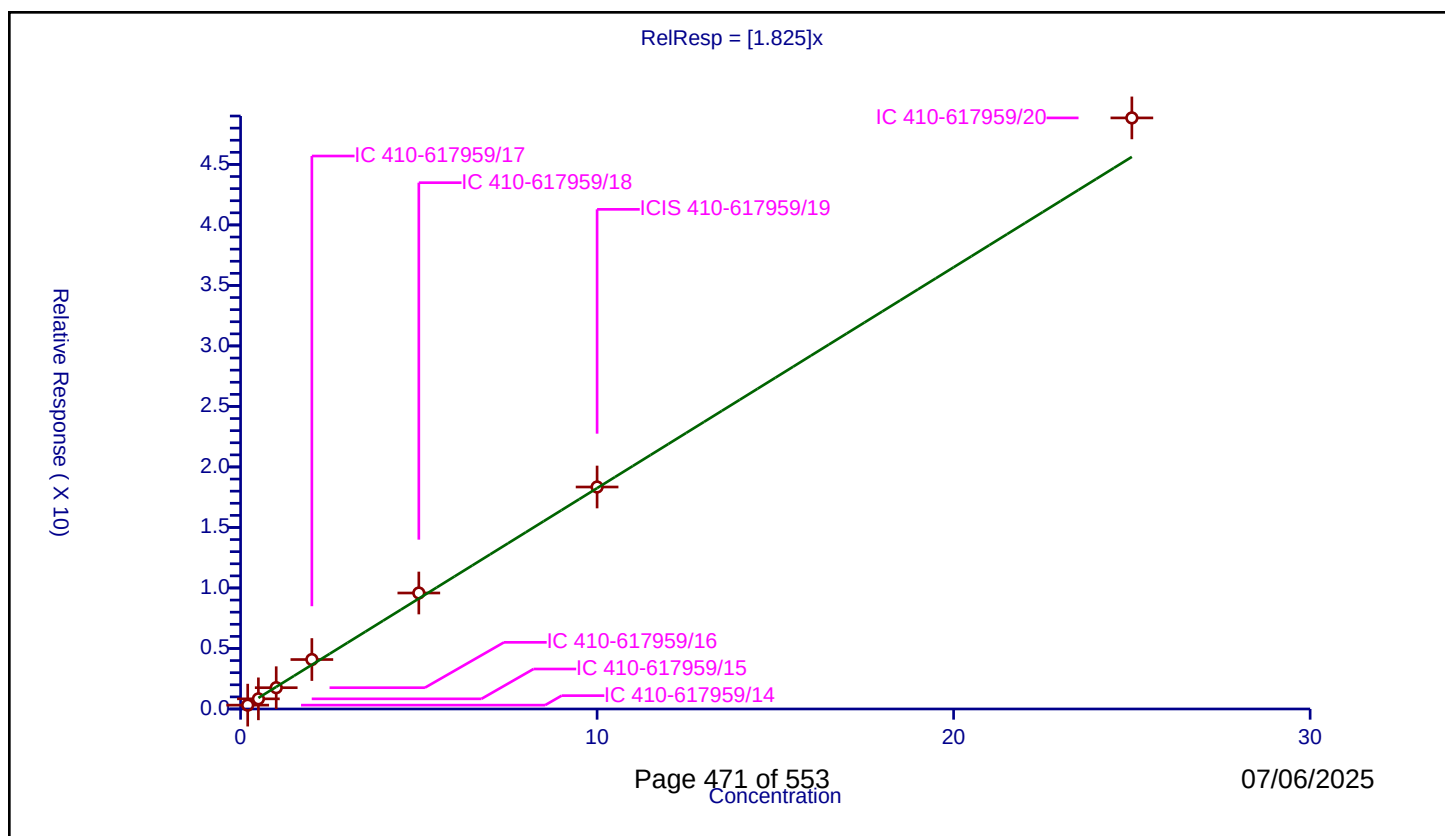
## Curve Coefficients

Intercept: 0  
Slope: 1.825

## Error Coefficients

Relative Standard Deviation: 8.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.318468   | 10.0      | 911111.0    | 1.592342 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.83764    | 10.0      | 802552.0    | 1.675281 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.75903    | 10.0      | 945106.0    | 1.75903  | Y    |
| 4  | IC 410-617959/17   | 2.0           | 4.086533   | 10.0      | 823823.0    | 2.043267 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 9.584056   | 10.0      | 1035499.0   | 1.916811 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 18.344775  | 10.0      | 1112211.0   | 1.834477 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 48.842658  | 10.0      | 1219190.0   | 1.953706 | Y    |



# Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

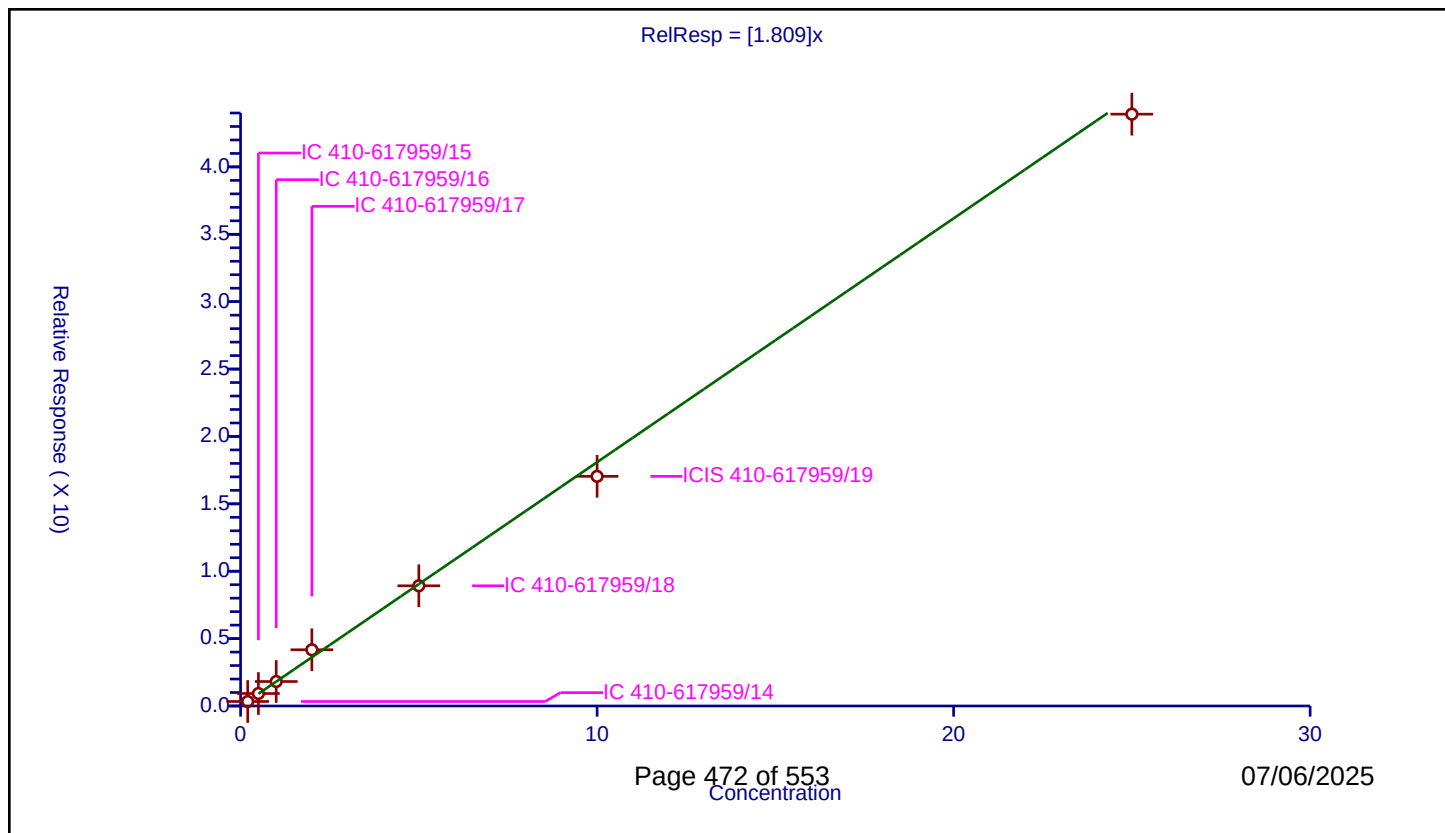
## Curve Coefficients

Intercept: 0  
Slope: 1.809

## Error Coefficients

Relative Standard Deviation: 7.6

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.333285   | 10.0      | 911111.0    | 1.666427 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.924738   | 10.0      | 802552.0    | 1.849475 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.816378   | 10.0      | 945106.0    | 1.816378 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 4.172972   | 10.0      | 823823.0    | 2.086486 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 8.91911    | 10.0      | 1035499.0   | 1.783822 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 17.039644  | 10.0      | 1112211.0   | 1.703964 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 43.914091  | 10.0      | 1219190.0   | 1.756564 | 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

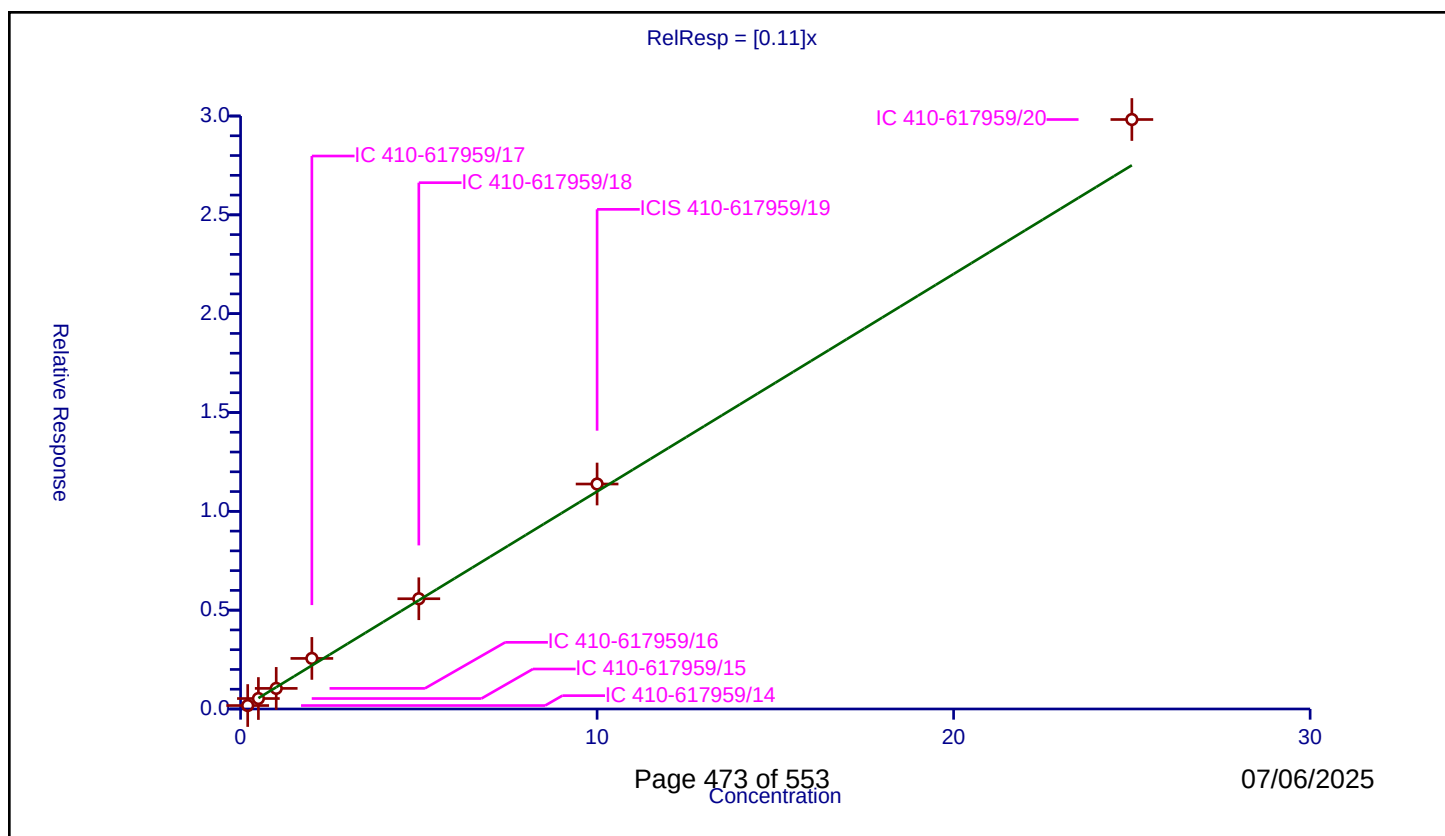
## Curve Coefficients

Intercept: 0  
Slope: 0.11

## Error Coefficients

Relative Standard Deviation: 11.6

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.017528   | 10.0      | 911111.0    | 0.08764  | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.052894   | 10.0      | 802552.0    | 0.105788 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.104232   | 10.0      | 945106.0    | 0.104232 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 0.255807   | 10.0      | 823823.0    | 0.127904 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 0.557837   | 10.0      | 1035499.0   | 0.111567 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 1.138219   | 10.0      | 1112211.0   | 0.113822 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 2.982308   | 10.0      | 1219190.0   | 0.119292 | Y    |



## Calibration

/ 1,3,5-Trichlorobenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

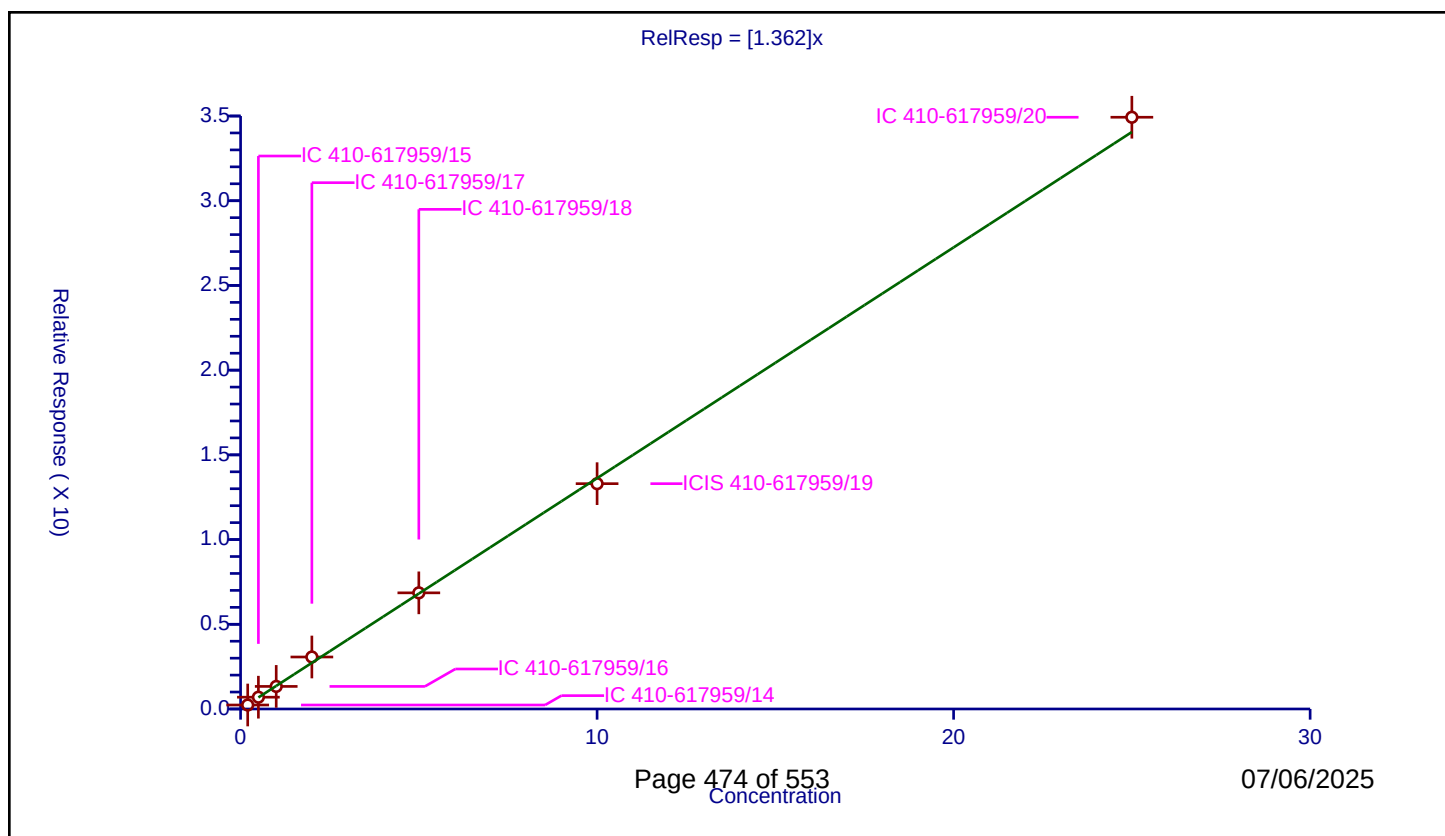
## Curve Coefficients

Intercept: 0  
Slope: 1.362

## Error Coefficients

Relative Standard Deviation: 7.8

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.235723   | 10.0      | 911111.0    | 1.178616 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.695743   | 10.0      | 802552.0    | 1.391486 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.332866   | 10.0      | 945106.0    | 1.332866 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 3.068463   | 10.0      | 823823.0    | 1.534231 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 6.855545   | 10.0      | 1035499.0   | 1.371109 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 13.299671  | 10.0      | 1112211.0   | 1.329967 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 34.92696   | 10.0      | 1219190.0   | 1.397078 | Y    |



Calibration

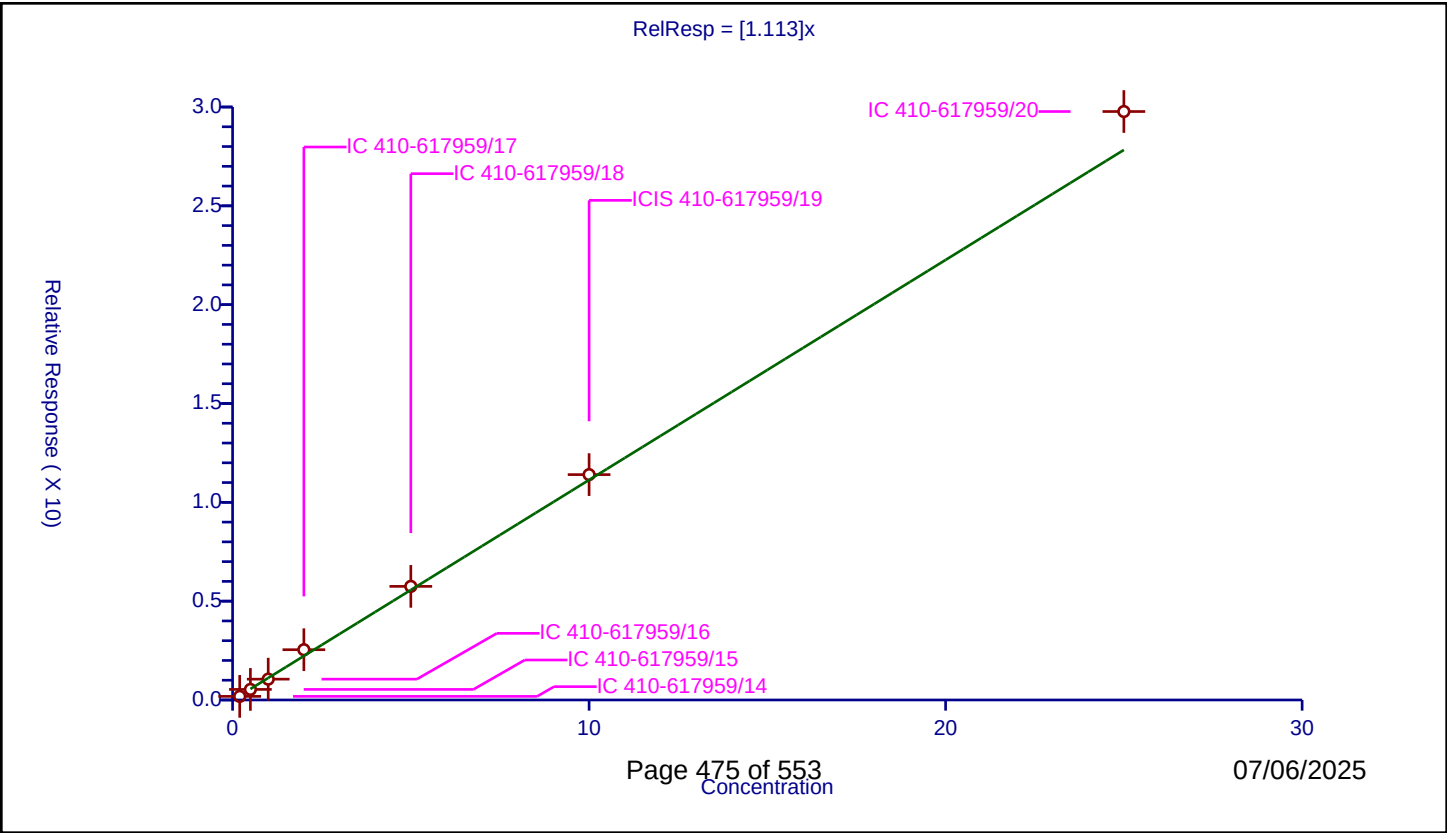
/ 1,2,4-Trichlorobenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

| Curve Coefficients |       |
|--------------------|-------|
| Intercept:         | 0     |
| Slope:             | 1.113 |
| Error Coefficients |       |

Relative Standard Deviation: 10.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.183391   | 10.0      | 911111.0    | 0.916957 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.534383   | 10.0      | 802552.0    | 1.068766 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.053808   | 10.0      | 945106.0    | 1.053808 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 2.543787   | 10.0      | 823823.0    | 1.271893 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 5.74833    | 10.0      | 1035499.0   | 1.149666 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 11.402126  | 10.0      | 1112211.0   | 1.140213 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 29.772316  | 10.0      | 1219190.0   | 1.190893 | Y    |



## Calibration

/ Hexachlorobutadiene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

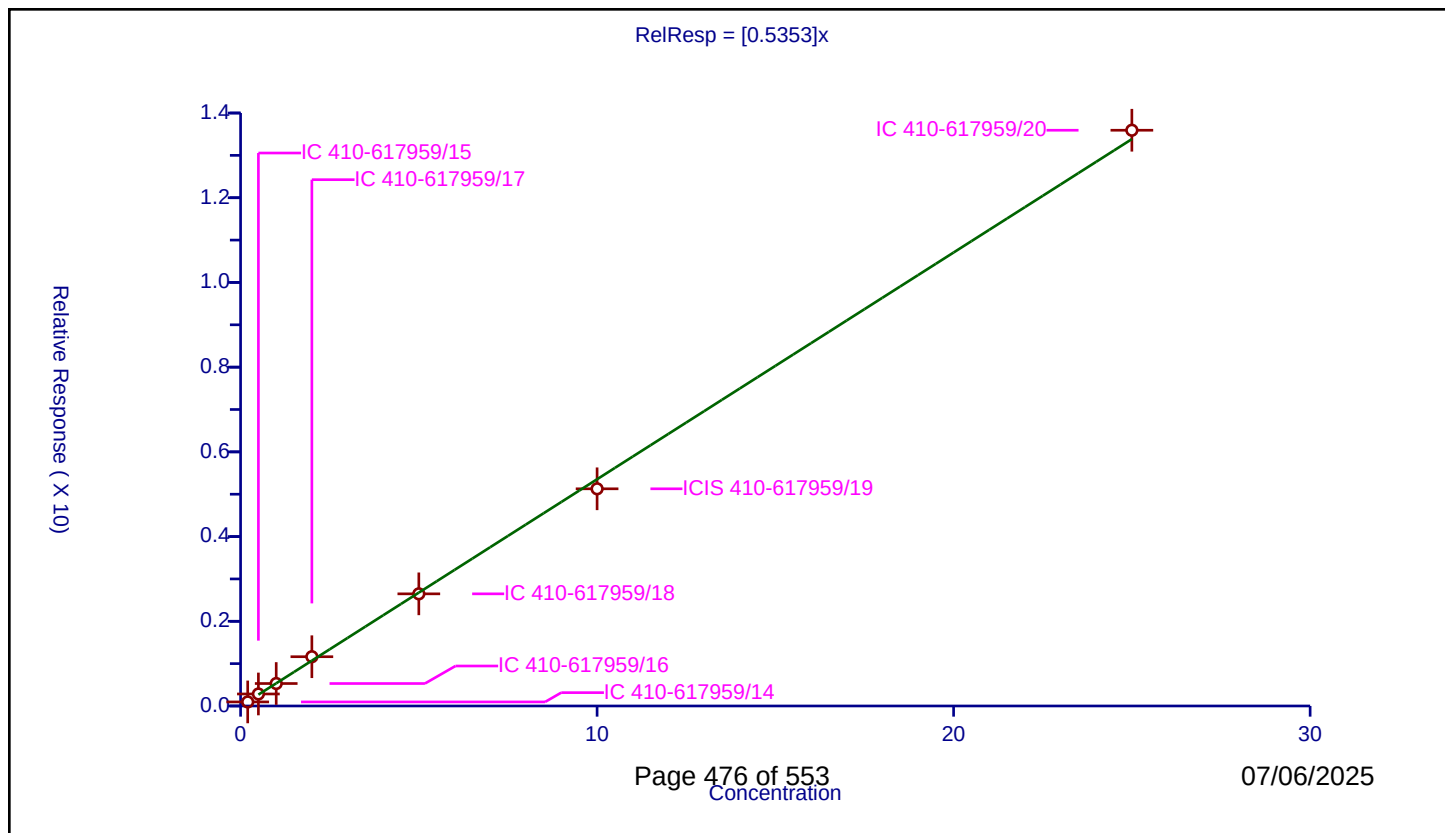
## Curve Coefficients

Intercept: 0  
Slope: 0.5353

## Error Coefficients

Relative Standard Deviation: 6.2

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.0963     | 10.0      | 911111.0    | 0.4815   | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.283757   | 10.0      | 802552.0    | 0.567515 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.530724   | 10.0      | 945106.0    | 0.530724 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 1.163211   | 10.0      | 823823.0    | 0.581606 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 2.647728   | 10.0      | 1035499.0   | 0.529546 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 5.127957   | 10.0      | 1112211.0   | 0.512796 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 13.593164  | 10.0      | 1219190.0   | 0.543727 | Y    |





# Calibration

/ Naphthalene

Curve Type: Average  
 Weighting: Conc\_Sq  
 Origin: Force  
 Dependency: Response  
 Calib Mode: ISTD  
 Response Base: AREA  
 RF Rounding: 0

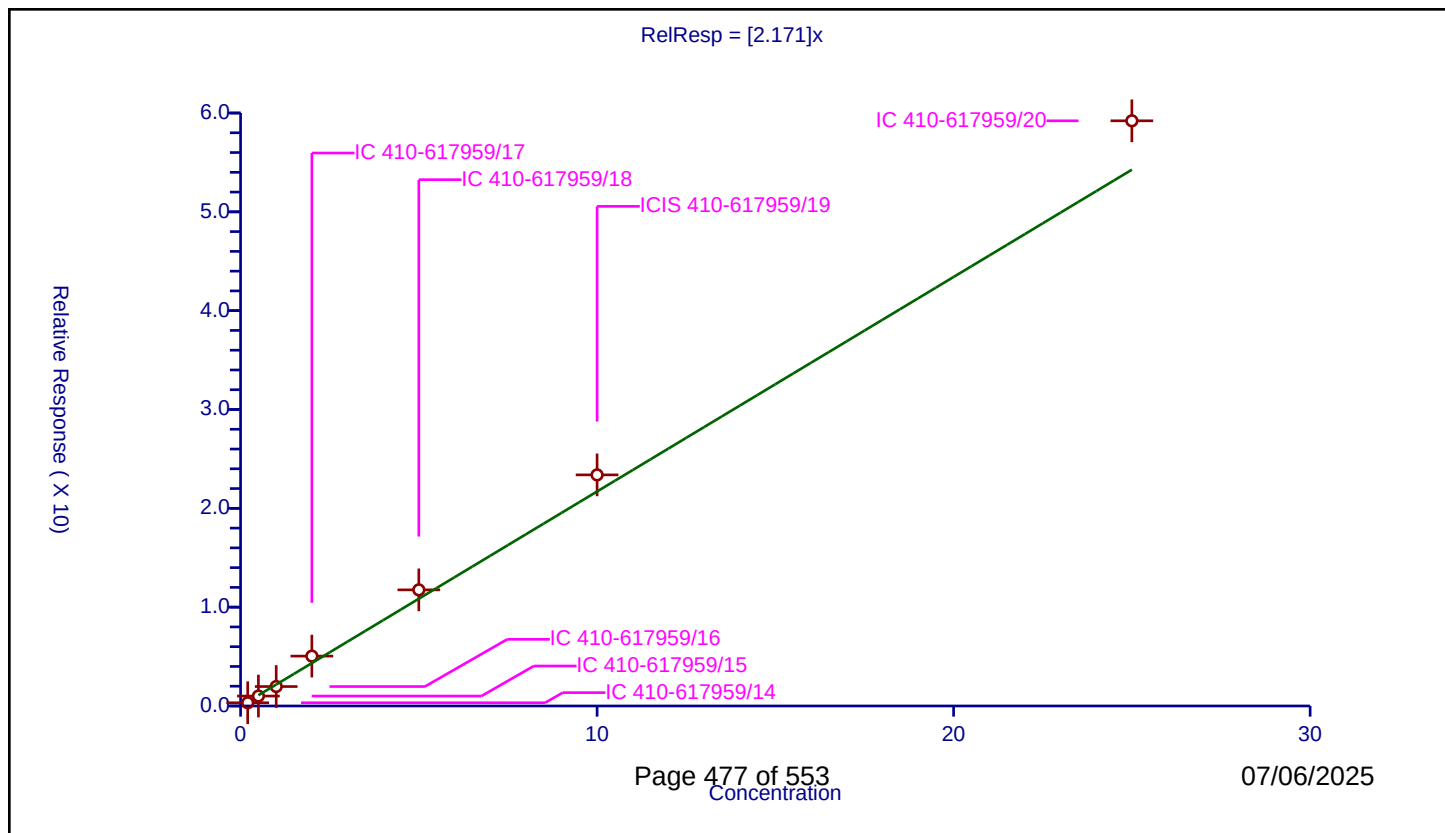
## Curve Coefficients

Intercept: 0  
 Slope: 2.171

## Error Coefficients

Relative Standard Deviation: 14.3

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.326766   | 10.0      | 911111.0    | 1.633829 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 1.005231   | 10.0      | 802552.0    | 2.010462 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 1.968827   | 10.0      | 945106.0    | 1.968827 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 5.046812   | 10.0      | 823823.0    | 2.523406 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 11.750538  | 10.0      | 1035499.0   | 2.350108 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 23.384682  | 10.0      | 1112211.0   | 2.338468 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 59.211312  | 10.0      | 1219190.0   | 2.368452 | Y    |



# Calibration

/ 1,2,3-Trichlorobenzene

Curve Type: Average  
Weighting: Conc\_Sq  
Origin: Force  
Dependency: Response  
Calib Mode: ISTD  
Response Base: AREA  
RF Rounding: 0

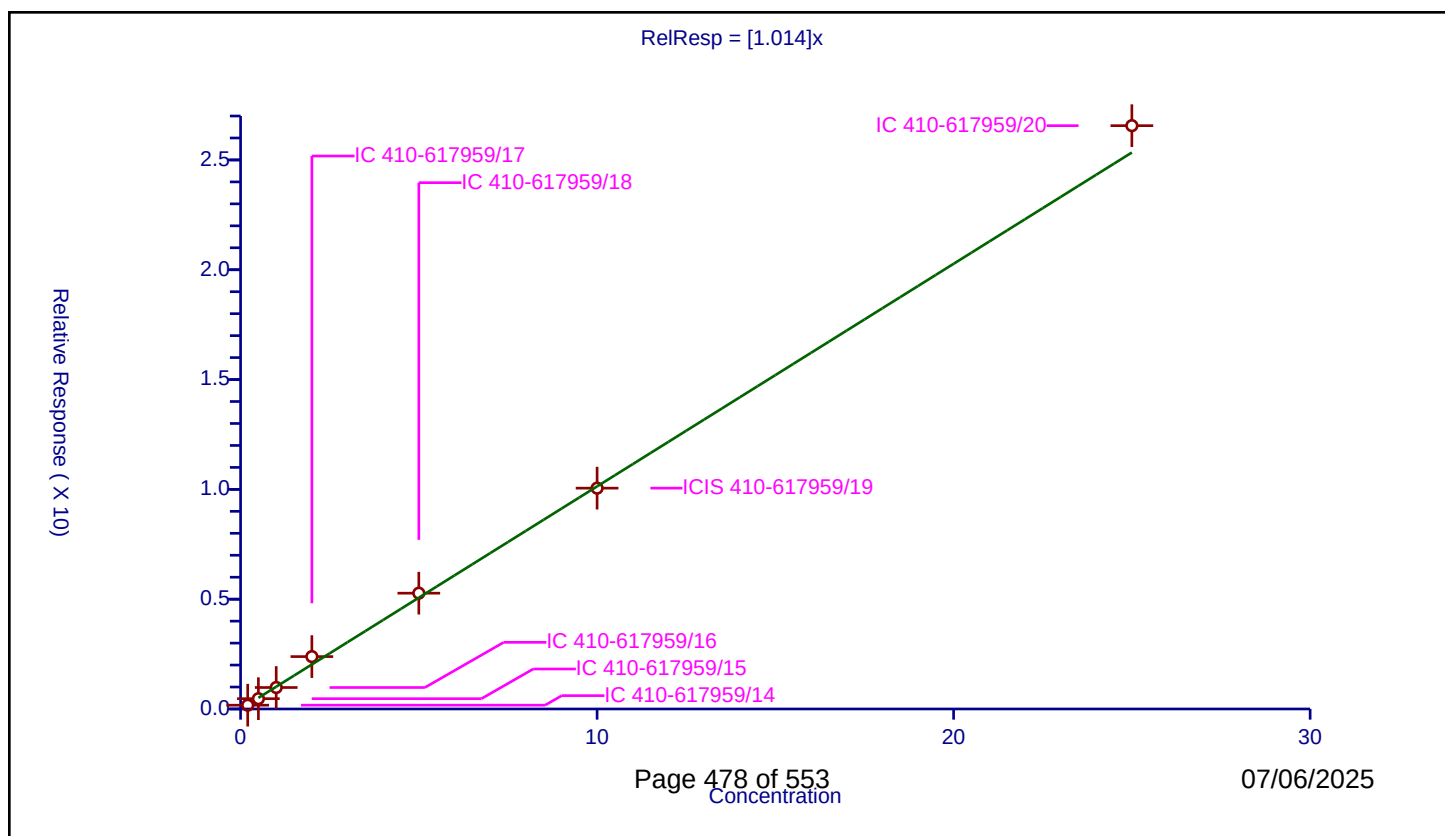
## Curve Coefficients

Intercept: 0  
Slope: 1.014

## Error Coefficients

Relative Standard Deviation: 10.3

| ID | Level              | Concentration | Rel. Resp. | IS Amount | IS Response | RRF      | Used |
|----|--------------------|---------------|------------|-----------|-------------|----------|------|
| 1  | IC 410-617959/14   | 0.2           | 0.172811   | 10.0      | 911111.0    | 0.864055 | Y    |
| 2  | IC 410-617959/15   | 0.5           | 0.468954   | 10.0      | 802552.0    | 0.937908 | Y    |
| 3  | IC 410-617959/16   | 1.0           | 0.977901   | 10.0      | 945106.0    | 0.977901 | Y    |
| 4  | IC 410-617959/17   | 2.0           | 2.384772   | 10.0      | 823823.0    | 1.192386 | Y    |
| 5  | IC 410-617959/18   | 5.0           | 5.272975   | 10.0      | 1035499.0   | 1.054595 | Y    |
| 6  | ICIS 410-617959/19 | 10.0          | 10.055466  | 10.0      | 1112211.0   | 1.005547 | Y    |
| 7  | IC 410-617959/20   | 25.0          | 26.559946  | 10.0      | 1219190.0   | 1.062398 | Y    |



FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 410-617959/22

Calibration Date: 03/17/2025 22:13

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

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

Calib End Date: 03/17/2025 21:31

Lab File ID: IM17X21.D

Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                  | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D     | MAX<br>%D |
|--------------------------|---------------|---------|--------|---------|----------------|-----------------|--------|-----------|
| Dichlorodifluoromethane  | Ave           | 0.3894  | 0.3670 | 0.1000  | 4.71           | 5.00            | -5.7   | 30.0      |
| Chloromethane            | Ave           | 0.5016  | 0.4333 | 0.1000  | 4.32           | 5.00            | -13.6  | 30.0      |
| Vinyl chloride           | Ave           | 0.4217  | 0.3921 | 0.1000  | 4.65           | 5.00            | -7.0   | 30.0      |
| 1,3-Butadiene            | Ave           | 0.5908  | 0.4451 |         | 3.77           | 5.00            | -24.7  | 30.0      |
| Bromomethane             | Ave           | 0.3454  | 0.3012 | 0.1000  | 4.36           | 5.00            | -12.8  | 30.0      |
| Chloroethane             | Ave           | 0.2690  | 0.2513 | 0.1000  | 4.67           | 5.00            | -6.6   | 30.0      |
| Dichlorofluoromethane    | Ave           | 0.7753  | 0.6702 |         | 4.32           | 5.00            | -13.6  | 30.0      |
| Trichlorofluoromethane   | Ave           | 0.5316  | 0.5281 | 0.1000  | 4.97           | 5.00            | -0.7   | 30.0      |
| Ethyl ether              | Ave           | 0.2507  | 0.1598 |         | 3.19           | 5.00            | -36.3* | 30.0      |
| Freon 123a               | Ave           | 0.3759  | 0.3623 |         | 4.82           | 5.00            | -3.6   | 30.0      |
| Acrolein                 | Ave           | 2.217   | 2.196  |         | 36.3           | 36.6            | -0.9   | 30.0      |
| 1,1-Dichloroethene       | Ave           | 0.2798  | 0.2664 | 0.1000  | 4.76           | 5.00            | -4.8   | 30.0      |
| Acetone                  | Ave           | 3.284   | 2.876  | 0.1000  | 54.7           | 62.5            | -12.4  | 30.0      |
| Freon 113                | Ave           | 0.3177  | 0.2600 | 0.1000  | 4.09           | 5.00            | -18.2  | 30.0      |
| Methyl iodide            | Ave           | 0.5797  | 0.4881 |         | 4.21           | 5.00            | -15.8  | 30.0      |
| Ethyl bromide            | Ave           | 0.2605  | 0.2311 |         | 4.48           | 5.05            | -11.3  | 30.0      |
| Carbon disulfide         | Ave           | 0.9027  | 0.7366 | 0.1000  | 4.08           | 5.00            | -18.4  | 30.0      |
| Methyl acetate           | Ave           | 8.003   | 7.790  | 0.1000  | 4.87           | 5.00            | -2.7   | 30.0      |
| Allyl chloride           | Ave           | 0.4564  | 0.3990 |         | 4.37           | 5.00            | -12.6  | 30.0      |
| Methylene Chloride       | Ave           | 0.3288  | 0.3128 | 0.1000  | 4.76           | 5.00            | -4.9   | 30.0      |
| t-Butyl alcohol          | Ave           | 1.153   | 1.038  |         | 45.0           | 50.0            | -10.0  | 30.0      |
| Acrylonitrile            | Ave           | 3.925   | 3.810  |         | 24.3           | 25.0            | -2.9   | 30.0      |
| Methyl tert-butyl ether  | Ave           | 0.7846  | 0.7241 | 0.1000  | 4.61           | 5.00            | -7.7   | 30.0      |
| trans-1,2-Dichloroethene | Ave           | 0.3105  | 0.2988 | 0.1000  | 4.81           | 5.00            | -3.8   | 30.0      |
| n-Hexane                 | Ave           | 0.4349  | 0.3780 |         | 4.35           | 5.00            | -13.1  | 30.0      |
| 1,1-Dichloroethane       | Ave           | 0.5968  | 0.5880 | 0.2000  | 4.93           | 5.00            | -1.5   | 30.0      |
| di-Isopropyl ether       | Ave           | 0.9580  | 0.8894 |         | 4.64           | 5.00            | -7.2   | 30.0      |
| 2-Chloro-1,3-butadiene   | Ave           | 0.4645  | 0.4240 |         | 4.56           | 5.00            | -8.7   | 30.0      |
| Ethyl t-butyl ether      | Ave           | 0.8957  | 0.8482 |         | 4.73           | 5.00            | -5.3   | 30.0      |
| 2-Butanone (MEK)         | Ave           | 5.536   | 5.388  | 0.1000  | 60.8           | 62.5            | -2.7   | 30.0      |
| cis-1,2-Dichloroethene   | Ave           | 0.3469  | 0.3462 | 0.1000  | 4.99           | 5.00            | -0.2   | 30.0      |
| 2,2-Dichloropropane      | Ave           | 0.4909  | 0.4554 |         | 4.64           | 5.00            | -7.2   | 30.0      |
| Propionitrile            | Ave           | 1.473   | 1.424  |         | 36.3           | 37.5            | -3.3   | 30.0      |
| Methacrylonitrile        | Ave           | 5.655   | 5.333  |         | 35.4           | 37.5            | -5.7   | 30.0      |
| Bromochloromethane       | Ave           | 0.1683  | 0.1607 |         | 4.77           | 5.00            | -4.5   | 30.0      |
| Tetrahydrofuran          | Ave           | 1.661   | 1.625  |         | 24.5           | 25.0            | -2.2   | 30.0      |
| Chloroform               | Ave           | 0.6083  | 0.5858 | 0.2000  | 4.81           | 5.00            | -3.7   | 30.0      |
| 1,1,1-Trichloroethane    | Ave           | 0.5209  | 0.4995 | 0.1000  | 4.79           | 5.00            | -4.1   | 30.0      |
| Cyclohexane              | Ave           | 0.5372  | 0.4805 | 0.1000  | 4.47           | 5.00            | -10.5  | 30.0      |
| Carbon tetrachloride     | Ave           | 0.4565  | 0.4476 | 0.1000  | 4.90           | 5.00            | -2.0   | 30.0      |

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICV 410-617959/22

Calibration Date: 03/17/2025 22:13

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

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

Calib End Date: 03/17/2025 21:31

Lab File ID: IM17X21.D

Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                     | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-----------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| 1,1-Dichloropropene         | Ave           | 0.4622  | 0.4372 |         | 4.73           | 5.00            | -5.4  | 30.0      |
| Isobutyl alcohol            | Ave           | 0.4049  | 0.3469 |         | 107            | 125             | -14.3 | 30.0      |
| Benzene                     | Ave           | 1.381   | 1.296  | 0.5000  | 4.69           | 5.00            | -6.2  | 30.0      |
| 1,2-Dichloroethane          | Ave           | 0.3947  | 0.3807 | 0.1000  | 4.82           | 5.00            | -3.6  | 30.0      |
| t-Amyl methyl ether         | Ave           | 0.8242  | 0.7879 |         | 4.78           | 5.00            | -4.4  | 30.0      |
| n-Heptane                   | Ave           | 0.4271  | 0.3996 |         | 4.68           | 5.00            | -6.4  | 30.0      |
| n-Butanol                   | Lin           |         | 0.2788 |         | 215            | 250             | -14.2 | 30.0      |
| Trichloroethene             | Ave           | 0.3658  | 0.3429 | 0.2000  | 4.69           | 5.00            | -6.3  | 30.0      |
| Methylcyclohexane           | Ave           | 0.5736  | 0.5266 | 0.1000  | 4.59           | 5.00            | -8.2  | 30.0      |
| 1,2-Dichloropropane         | Ave           | 0.3643  | 0.3515 | 0.1000  | 4.82           | 5.00            | -3.5  | 30.0      |
| Methyl methacrylate         | Ave           | 9.864   | 9.230  |         | 4.68           | 5.00            | -6.4  | 30.0      |
| 1,4-Dioxane                 | Ave           | 0.0869  | 0.0841 | 0.0050  | 121            | 125             | -3.3  | 30.0      |
| Dibromomethane              | Ave           | 0.1799  | 0.1754 |         | 4.87           | 5.00            | -2.5  | 30.0      |
| Bromodichloromethane        | Ave           | 0.4418  | 0.4247 | 0.2000  | 4.81           | 5.00            | -3.9  | 30.0      |
| 2-Nitropropane              | Ave           | 3.693   | 2.957  |         | 4.00           | 5.00            | -19.9 | 30.0      |
| 1-Bromo-2-chloroethane      | Ave           | 0.3761  | 0.3589 |         | 4.77           | 5.00            | -4.6  | 30.0      |
| cis-1,3-Dichloropropene     | Ave           | 0.4921  | 0.4825 | 0.2000  | 4.90           | 5.00            | -2.0  | 30.0      |
| 4-Methyl-2-pentanone (MIBK) | Ave           | 14.81   | 14.14  | 0.1000  | 59.7           | 62.5            | -4.5  | 30.0      |
| Toluene                     | Ave           | 1.161   | 1.108  | 0.4000  | 4.78           | 5.00            | -4.5  | 30.0      |
| trans-1,3-Dichloropropene   | Ave           | 0.5498  | 0.5464 | 0.1000  | 4.97           | 5.00            | -0.6  | 30.0      |
| Ethyl methacrylate          | Ave           | 0.4535  | 0.4393 |         | 4.84           | 5.00            | -3.1  | 30.0      |
| 1,1,2-Trichloroethane       | Ave           | 0.3464  | 0.3342 | 0.1000  | 4.82           | 5.00            | -3.5  | 30.0      |
| Tetrachloroethene           | Ave           | 0.5651  | 0.5306 | 0.2000  | 4.69           | 5.00            | -6.1  | 30.0      |
| 1,3-Dichloropropane         | Ave           | 0.5953  | 0.5679 |         | 4.77           | 5.00            | -4.6  | 30.0      |
| 2-Hexanone                  | Ave           | 10.42   | 10.17  | 0.1000  | 61.0           | 62.5            | -2.4  | 30.0      |
| Dibromochloromethane        | Ave           | 0.4275  | 0.4214 |         | 4.93           | 5.00            | -1.4  | 30.0      |
| 1,2-Dibromoethane (EDB)     | Ave           | 0.3272  | 0.3165 | 0.1000  | 4.84           | 5.00            | -3.3  | 30.0      |
| 1-Chlorohexane              | Ave           | 0.6349  | 0.5872 |         | 4.62           | 5.00            | -7.5  | 30.0      |
| Chlorobenzene               | Ave           | 1.364   | 1.300  | 0.5000  | 4.76           | 5.00            | -4.7  | 30.0      |
| 1,1,1,2-Tetrachloroethane   | Ave           | 0.4704  | 0.4585 |         | 4.87           | 5.00            | -2.5  | 30.0      |
| Ethylbenzene                | Ave           | 2.266   | 2.216  | 0.1000  | 4.89           | 5.00            | -2.2  | 30.0      |
| m&p-Xylene                  | Ave           | 0.8828  | 0.8629 | 0.1000  | 9.77           | 10.0            | -2.3  | 30.0      |
| o-Xylene                    | Ave           | 0.8447  | 0.8334 | 0.3000  | 4.93           | 5.00            | -1.3  | 30.0      |
| Styrene                     | Ave           | 1.318   | 1.353  | 0.3000  | 5.13           | 5.00            | 2.6   | 30.0      |
| Bromoform                   | Ave           | 0.2514  | 0.2527 | 0.1000  | 5.02           | 5.00            | 0.5   | 30.0      |
| Isopropylbenzene            | Ave           | 1.952   | 2.194  | 0.1000  | 5.62           | 5.00            | 12.4  | 30.0      |
| 1,1,2,2-Tetrachloroethane   | Ave           | 0.8183  | 0.7449 | 0.3000  | 4.55           | 5.00            | -9.0  | 30.0      |
| Bromobenzene                | Ave           | 0.9765  | 0.9440 |         | 4.83           | 5.00            | -3.3  | 30.0      |
| trans-1,4-Dichloro-2-butene | Ave           | 5.103   | 4.583  |         | 22.5           | 25.0            | -10.2 | 30.0      |
| 1,2,3-Trichloropropane      | Ave           | 0.2210  | 0.2052 |         | 4.64           | 5.00            | -7.1  | 30.0      |

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Lab Sample ID: ICV 410-617959/22

Calibration Date: 03/17/2025 22:13

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

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

Calib End Date: 03/17/2025 21:31

Lab File ID: IM17X21.D

Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                      | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D   | MAX<br>%D |
|------------------------------|---------------|---------|--------|---------|----------------|-----------------|------|-----------|
| N-Propylbenzene              | Ave           | 4.595   | 4.541  |         | 4.94           | 5.00            | -1.2 | 30.0      |
| 2-Chlorotoluene              | Ave           | 0.9787  | 0.9349 |         | 4.78           | 5.00            | -4.5 | 30.0      |
| 1,3,5-Trimethylbenzene       | Ave           | 3.264   | 3.265  |         | 5.00           | 5.00            | 0.0  | 30.0      |
| 4-Chlorotoluene              | Ave           | 1.003   | 0.9887 |         | 4.93           | 5.00            | -1.4 | 30.0      |
| tert-Butylbenzene            | Ave           | 0.7643  | 0.7481 |         | 4.89           | 5.00            | -2.1 | 30.0      |
| Pentachloroethane            | Ave           | 0.5931  | 0.5831 |         | 4.92           | 5.00            | -1.7 | 30.0      |
| 1,2,4-Trimethylbenzene       | Ave           | 3.294   | 3.276  |         | 4.97           | 5.00            | -0.5 | 30.0      |
| sec-Butylbenzene             | Ave           | 4.252   | 4.211  |         | 4.95           | 5.00            | -1.0 | 30.0      |
| 1,3-Dichlorobenzene          | Ave           | 1.871   | 1.843  | 0.6000  | 4.93           | 5.00            | -1.5 | 30.0      |
| p-Isopropyltoluene           | Ave           | 3.583   | 3.594  |         | 5.02           | 5.00            | 0.3  | 30.0      |
| 1,4-Dichlorobenzene          | Ave           | 2.014   | 1.898  | 0.5000  | 4.71           | 5.00            | -5.8 | 30.0      |
| 1,2,3-Trimethylbenzene       | Ave           | 1.562   | 1.432  |         | 4.58           | 5.00            | -8.3 | 30.0      |
| Benzyl chloride              | Ave           | 0.2889  | 0.2736 |         | 4.73           | 5.00            | -5.3 | 30.0      |
| n-Butylbenzene               | Ave           | 1.825   | 1.801  |         | 4.93           | 5.00            | -1.3 | 30.0      |
| 1,2-Dichlorobenzene          | Ave           | 1.809   | 1.740  | 0.4000  | 4.81           | 5.00            | -3.8 | 30.0      |
| 1,2-Dibromo-3-Chloropropane  | Ave           | 0.1100  | 0.1122 | 0.0500  | 5.10           | 5.00            | 1.9  | 30.0      |
| 1,3,5-Trichlorobenzene       | Ave           | 1.362   | 1.339  |         | 4.92           | 5.00            | -1.7 | 30.0      |
| 1,2,4-Trichlorobenzene       | Ave           | 1.113   | 1.148  | 0.2000  | 5.16           | 5.00            | 3.1  | 30.0      |
| Hexachlorobutadiene          | Ave           | 0.5353  | 0.5681 |         | 5.31           | 5.00            | 6.1  | 30.0      |
| Naphthalene                  | Ave           | 2.171   | 2.313  |         | 5.33           | 5.00            | 6.6  | 30.0      |
| 1,2,3-Trichlorobenzene       | Ave           | 1.014   | 1.018  |         | 5.02           | 5.00            | 0.4  | 30.0      |
| 2-ethoxy-2-methyl butane     | None          |         |        |         |                | 5.00            |      | 30.0      |
| 2-Methylnaphthalene          | None          |         |        |         |                | 5.00            |      | 30.0      |
| Isopropyl alcohol            | None          |         |        |         |                | 37.5            |      | 30.0      |
| p-Diethylbenzene             | None          |         |        |         |                | 5.00            |      | 30.0      |
| Pentane                      | None          |         |        |         |                | 5.00            |      | 30.0      |
| Dibromofluoromethane (Surr)  | Ave           | 0.2470  | 0.2439 |         | 9.87           | 10.0            | -1.3 | 30.0      |
| 1,2-Dichloroethane-d4 (Surr) | Ave           | 0.0501  | 0.0492 |         | 9.83           | 10.0            | -1.7 | 30.0      |
| Toluene-d8 (Surr)            | Ave           | 1.317   | 1.308  |         | 9.93           | 10.0            | -0.7 | 30.0      |
| 4-Bromofluorobenzene (Surr)  | Ave           | 0.4825  | 0.4911 |         | 10.2           | 10.0            | 1.8  | 30.0      |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X21.D  
 Lims ID: ICV  
 Client ID:  
 Sample Type: ICV  
 Inject. Date: 17-Mar-2025 22:13:30 ALS Bottle#: 21 Worklist Smp#: 22  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0141066-022  
 Misc. Info.: ICV  
 Operator ID: knk41612 Instrument ID: 19930  
 Sublist:  
 Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 19-Mar-2025 10:19:02 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1632

First Level Reviewer: K4WN

Date: 18-Mar-2025 09:32:54

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.806     | 1.806         | 0.000         | 99  | 472284   | 5.00         | 4.71           |       |
| 4 Chloromethane                     | 50  | 1.989     | 1.989         | 0.000         | 99  | 557603   | 5.00         | 4.32           |       |
| 5 Vinyl chloride                    | 62  | 2.093     | 2.099         | -0.006        | 82  | 504550   | 5.00         | 4.65           |       |
| 6 Butadiene                         | 39  | 2.099     | 2.099         | 0.000         | 90  | 572683   | 5.00         | 3.77           |       |
| 7 Bromomethane                      | 94  | 2.404     | 2.404         | 0.000         | 91  | 387548   | 5.00         | 4.36           |       |
| 8 Chloroethane                      | 64  | 2.471     | 2.471         | 0.000         | 100 | 323308   | 5.00         | 4.67           |       |
| 9 Dichlorofluoromethane             | 67  | 2.696     | 2.696         | 0.000         | 97  | 862406   | 5.00         | 4.32           |       |
| 10 Trichlorofluoromethane           | 101 | 2.757     | 2.757         | 0.000         | 98  | 679609   | 5.00         | 4.97           |       |
| 11 Ethyl ether                      | 59  | 2.971     | 2.971         | 0.000         | 92  | 205520   | 5.00         | 3.19           |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.056     | 3.056         | 0.000         | 93  | 466217   | 5.00         | 4.82           |       |
| 14 Acrolein                         | 56  | 3.129     | 3.123         | 0.006         | 99  | 344159   | 36.6         | 36.3           |       |
| 15 1,1-Dichloroethene               | 96  | 3.257     | 3.257         | 0.000         | 97  | 342853   | 5.00         | 4.76           |       |
| 16 Acetone                          | 43  | 3.288     | 3.282         | 0.006         | 100 | 769709   | 62.5         | 54.7           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 | 3.294     | 3.294         | 0.000         | 90  | 334588   | 5.00         | 4.09           |       |
| 18 Iodomethane                      | 142 | 3.434     | 3.440         | -0.006        | 99  | 628043   | 5.00         | 4.21           |       |
| 19 Ethyl bromide                    | 108 | 3.458     | 3.458         | 0.000         | 99  | 300429   | 5.05         | 4.48           |       |
| 20 Carbon disulfide                 | 76  | 3.538     | 3.538         | 0.000         | 99  | 947889   | 5.00         | 4.08           |       |
| 23 Methyl acetate                   | 43  | 3.678     | 3.672         | 0.006         | 31  | 166814   | 5.00         | 4.87           | M     |
| 24 3-Chloro-1-propene               | 41  | 3.690     | 3.690         | 0.000         | 89  | 513366   | 5.00         | 4.37           |       |
| 25 Methylene Chloride               | 84  | 3.861     | 3.861         | 0.000         | 92  | 402456   | 5.00         | 4.76           |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.891     | 3.873         | 0.018         | 99  | 214127   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  | 4.007     | 3.989         | 0.018         | 98  | 222354   | 50.0         | 45.0           |       |
| 28 Acrylonitrile                    | 53  | 4.184     | 4.178         | 0.006         | 99  | 407954   | 25.0         | 24.3           |       |
| 29 Methyl tert-butyl ether          | 73  | 4.239     | 4.233         | 0.006         | 96  | 931702   | 5.00         | 4.61           |       |
| 30 trans-1,2-Dichloroethene         | 96  | 4.251     | 4.245         | 0.006         | 99  | 384553   | 5.00         | 4.81           |       |
| 31 Hexane                           | 57  | 4.672     | 4.672         | 0.000         | 92  | 486344   | 5.00         | 4.35           |       |
| 32 1,1-Dichloroethane               | 63  | 4.903     | 4.903         | 0.000         | 96  | 756689   | 5.00         | 4.93           |       |
| 35 Isopropyl ether                  | 45  | 4.970     | 4.964         | 0.006         | 94  | 1144438  | 5.00         | 4.64           |       |
| 36 2-Chloro-1,3-butadiene           | 53  | 5.019     | 5.019         | 0.000         | 92  | 545598   | 5.00         | 4.56           |       |
| 37 Tert-butyl ethyl ether           | 59  | 5.513     | 5.513         | 0.000         | 97  | 1091403  | 5.00         | 4.73           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 38 2-Butanone (MEK)                | 43  | 5.720     | 5.720         | 0.000         | 99 | 1442211  | 62.5         | 60.8           |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.751     | 5.745         | 0.006         | 82 | 445473   | 5.00         | 4.99           |       |
| 40 2,2-Dichloropropane             | 77  | 5.757     | 5.757         | 0.000         | 88 | 586038   | 5.00         | 4.64           |       |
| 43 Propionitrile                   | 54  | 5.824     | 5.799         | 0.025         | 96 | 228688   | 37.5         | 36.3           |       |
| 45 Methacrylonitrile               | 67  | 6.019     | 6.019         | 0.000         | 92 | 856468   | 37.5         | 35.4           |       |
| 46 Chlorobromomethane              | 128 | 6.080     | 6.080         | 0.000         | 94 | 206737   | 5.00         | 4.77           |       |
| 47 Tetrahydrofuran                 | 71  | 6.092     | 6.092         | 0.000         | 79 | 174017   | 25.0         | 24.5           |       |
| 48 Chloroform                      | 83  | 6.238     | 6.238         | 0.000         | 94 | 753738   | 5.00         | 4.81           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.452     | 6.452         | 0.000         | 93 | 627563   | 10.0         | 9.87           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.458     | 6.458         | 0.000         | 98 | 642782   | 5.00         | 4.79           |       |
| 51 Cyclohexane                     | 56  | 6.555     | 6.561         | -0.006        | 91 | 618349   | 5.00         | 4.47           |       |
| 54 Carbon tetrachloride            | 117 | 6.671     | 6.671         | 0.000         | 95 | 575986   | 5.00         | 4.90           |       |
| 53 1,1-Dichloropropene             | 75  | 6.677     | 6.677         | 0.000         | 98 | 562594   | 5.00         | 4.73           |       |
| 55 Isobutyl alcohol                | 41  | 6.854     | 6.836         | 0.018         | 93 | 185693   | 125.0        | 107.1          |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.903     | 6.903         | 0.000         | 82 | 126690   | 10.0         | 9.83           |       |
| 57 Benzene                         | 78  | 6.939     | 6.933         | 0.006         | 97 | 1667631  | 5.00         | 4.69           |       |
| 58 1,2-Dichloroethane              | 62  | 7.013     | 7.013         | 0.000         | 98 | 489856   | 5.00         | 4.82           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.134     | 7.135         | -0.001        | 98 | 1013800  | 5.00         | 4.78           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.348     | 7.342         | 0.006         | 98 | 2573554  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.366     | 7.366         | 0.000         | 91 | 514237   | 5.00         | 4.68           |       |
| 63 n-Butanol                       | 56  | 7.744     | 7.726         | 0.018         | 90 | 298537   | 250.0        | 214.5          |       |
| 64 Trichloroethene                 | 95  | 7.829     | 7.830         | -0.001        | 97 | 441229   | 5.00         | 4.69           |       |
| 65 Methylcyclohexane               | 83  | 8.134     | 8.134         | 0.000         | 92 | 677577   | 5.00         | 4.59           |       |
| 66 1,2-Dichloropropane             | 63  | 8.159     | 8.159         | 0.000         | 95 | 452241   | 5.00         | 4.82           |       |
| 68 1,4-Dioxane                     | 88  | 8.262     | 8.250         | 0.012         | 33 | 45007    | 125.0        | 120.9          |       |
| 67 Methyl methacrylate             | 69  | 8.256     | 8.256         | 0.000         | 94 | 197642   | 5.00         | 4.68           |       |
| 69 Dibromomethane                  | 93  | 8.274     | 8.268         | 0.006         | 96 | 225649   | 5.00         | 4.87           |       |
| 71 Dichlorobromomethane            | 83  | 8.512     | 8.506         | 0.006         | 99 | 546479   | 5.00         | 4.81           |       |
| 72 2-Nitropropane                  | 41  | 8.774     | 8.768         | 0.006         | 99 | 63317    | 5.00         | 4.00           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.902     | 8.896         | 0.006         | 99 | 461762   | 5.00         | 4.77           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.067     | 9.067         | 0.000         | 95 | 620834   | 5.00         | 4.90           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.244     | 9.250         | -0.006        | 97 | 3784194  | 62.5         | 59.7           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.390     | 9.390         | 0.000         | 94 | 2538621  | 10.0         | 9.93           |       |
| 79 Toluene                         | 92  | 9.469     | 9.469         | 0.000         | 98 | 1075447  | 5.00         | 4.78           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.744     | 9.744         | 0.000         | 94 | 530105   | 5.00         | 4.97           |       |
| 99 Ethyl methacrylate              | 69  | 9.817     | 9.811         | 0.006         | 89 | 426253   | 5.00         | 4.84           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.951     | 9.951         | 0.000         | 91 | 324228   | 5.00         | 4.82           |       |
| 101 Tetrachloroethene              | 166 | 10.042    | 10.042        | 0.000         | 98 | 514822   | 5.00         | 4.69           |       |
| 102 1,3-Dichloropropane            | 76  | 10.116    | 10.116        | 0.000         | 91 | 550984   | 5.00         | 4.77           |       |
| 103 2-Hexanone                     | 43  | 10.177    | 10.171        | 0.006         | 96 | 2721412  | 62.5         | 61.0           |       |
| 105 Chlorodibromomethane           | 129 | 10.335    | 10.335        | 0.000         | 90 | 408830   | 5.00         | 4.93           |       |
| 106 Ethylene Dibromide             | 107 | 10.451    | 10.451        | 0.000         | 98 | 307082   | 5.00         | 4.84           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.890    | 10.890        | 0.000         | 86 | 1940455  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.902    | 10.902        | 0.000         | 97 | 569704   | 5.00         | 4.62           |       |
| 109 Chlorobenzene                  | 112 | 10.914    | 10.914        | 0.000         | 95 | 1260820  | 5.00         | 4.76           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.000    | 11.000        | 0.000         | 95 | 444814   | 5.00         | 4.87           |       |
| 112 Ethylbenzene                   | 91  | 11.006    | 11.006        | 0.000         | 98 | 2149746  | 5.00         | 4.89           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.121    | 11.122        | -0.001        | 93 | 1674363  | 10.0         | 9.77           |       |
| 114 o-Xylene                       | 106 | 11.457    | 11.457        | 0.000         | 96 | 808593   | 5.00         | 4.93           |       |
| 115 Styrene                        | 104 | 11.469    | 11.469        | 0.000         | 95 | 1312627  | 5.00         | 5.13           |       |
| 116 Bromoform                      | 173 | 11.627    | 11.628        | -0.001        | 96 | 245143   | 5.00         | 5.02           |       |
| 117 Isopropylbenzene               | 105 | 11.755    | 11.756        | -0.001        | 96 | 2129023  | 5.00         | 5.62           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.902    | 11.902        | 0.000         | 92 | 953023   | 10.0         | 10.2           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.005    | 12.006        | -0.001        | 94 | 420119   | 5.00         | 4.55           |       |
| 122 Bromobenzene                   | 156 | 12.018    | 12.018        | 0.000         | 95 | 532376   | 5.00         | 4.83           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.030    | 12.030        | 0.000         | 93 | 490714   | 25.0         | 22.5           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.048    | 12.048        | 0.000         | 82 | 115745   | 5.00         | 4.64           |       |
| 125 N-Propylbenzene                | 91  | 12.091    | 12.091        | 0.000         | 99 | 2561213  | 5.00         | 4.94           |       |
| 126 2-Chlorotoluene                | 126 | 12.164    | 12.164        | 0.000         | 97 | 527269   | 5.00         | 4.78           |       |
| 127 1,3,5-Trimethylbenzene         | 105 | 12.225    | 12.225        | 0.000         | 94 | 1841150  | 5.00         | 5.00           |       |
| 128 4-Chlorotoluene                | 126 | 12.255    | 12.255        | 0.000         | 97 | 557595   | 5.00         | 4.93           |       |
| 129 tert-Butylbenzene              | 134 | 12.469    | 12.469        | 0.000         | 93 | 421901   | 5.00         | 4.89           |       |
| 130 Pentachloroethane              | 167 | 12.499    | 12.499        | 0.000         | 93 | 328877   | 5.00         | 4.92           |       |
| 131 1,2,4-Trimethylbenzene         | 105 | 12.511    | 12.512        | -0.001        | 97 | 1847462  | 5.00         | 4.97           |       |
| 132 sec-Butylbenzene               | 105 | 12.633    | 12.633        | 0.000         | 94 | 2374839  | 5.00         | 4.95           |       |
| 133 1,3-Dichlorobenzene            | 146 | 12.731    | 12.725        | 0.006         | 98 | 1039304  | 5.00         | 4.93           |       |
| 134 4-Isopropyltoluene             | 119 | 12.737    | 12.737        | 0.000         | 97 | 2027107  | 5.00         | 5.02           |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.786    | 12.786        | 0.000         | 93 | 1127957  | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 | 12.804    | 12.804        | 0.000         | 94 | 1070319  | 5.00         | 4.71           |       |
| 137 1,2,3-Trimethylbenzene         | 120 | 12.810    | 12.810        | 0.000         | 99 | 807460   | 5.00         | 4.58           |       |
| 138 Benzyl chloride                | 126 | 12.877    | 12.877        | 0.000         | 99 | 154283   | 5.00         | 4.73           |       |
| 139 n-Butylbenzene                 | 92  | 13.030    | 13.030        | 0.000         | 97 | 1015490  | 5.00         | 4.93           |       |
| 140 1,2-Dichlorobenzene            | 146 | 13.060    | 13.060        | 0.000         | 99 | 981568   | 5.00         | 4.81           |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 | 13.603    | 13.603        | 0.000         | 86 | 63254    | 5.00         | 5.10           |       |
| 143 1,3,5-Trichlorobenzene         | 180 | 13.731    | 13.725        | 0.006         | 98 | 755444   | 5.00         | 4.92           |       |
| 144 1,2,4-Trichlorobenzene         | 180 | 14.151    | 14.145        | 0.006         | 94 | 647363   | 5.00         | 5.16           |       |
| 145 Hexachlorobutadiene            | 225 | 14.231    | 14.231        | 0.000         | 97 | 320377   | 5.00         | 5.31           |       |
| 146 Naphthalene                    | 128 | 14.328    | 14.322        | 0.006         | 97 | 1304612  | 5.00         | 5.33           |       |
| 147 1,2,3-Trichlorobenzene         | 180 | 14.468    | 14.468        | 0.000         | 95 | 573875   | 5.00         | 5.02           |       |
| 156 p-Diethylbenzene               | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane       | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                        | 43  |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol              | 45  |           | 0.000         |               |    |          | ND           | ND             |       |

**QC Flag Legend**

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

**Reagents:**

|                     |                     |           |             |
|---------------------|---------------------|-----------|-------------|
| MSV_LCS_VOC#1_00213 | Amount Added: 12.50 | Units: uL |             |
| MSV_LCS_ACROL_00217 | Amount Added: 12.50 | Units: uL |             |
| LCS_ETBR_00009      | Amount Added: 12.50 | Units: uL |             |
| MSV_LCS_EE_00010    | Amount Added: 12.50 | Units: uL |             |
| MSV_QC_Gas826_00250 | Amount Added: 12.50 | Units: uL |             |
| MSV_LCS_Penta_00053 | Amount Added: 12.50 | Units: uL |             |
| MSV_LLcentISS_00016 | Amount Added: 5.00  | Units: uL | Run Reagent |



Report Date: 19-Mar-2025 10:19:08

Chrom Revision: 2.3 12-Mar-2025 14:36:02

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X21.D

Injection Date: 17-Mar-2025 22:13:30

Instrument ID: 19930

Operator ID: knk41612

Lims ID: ICV

Worklist Smp#: 22

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

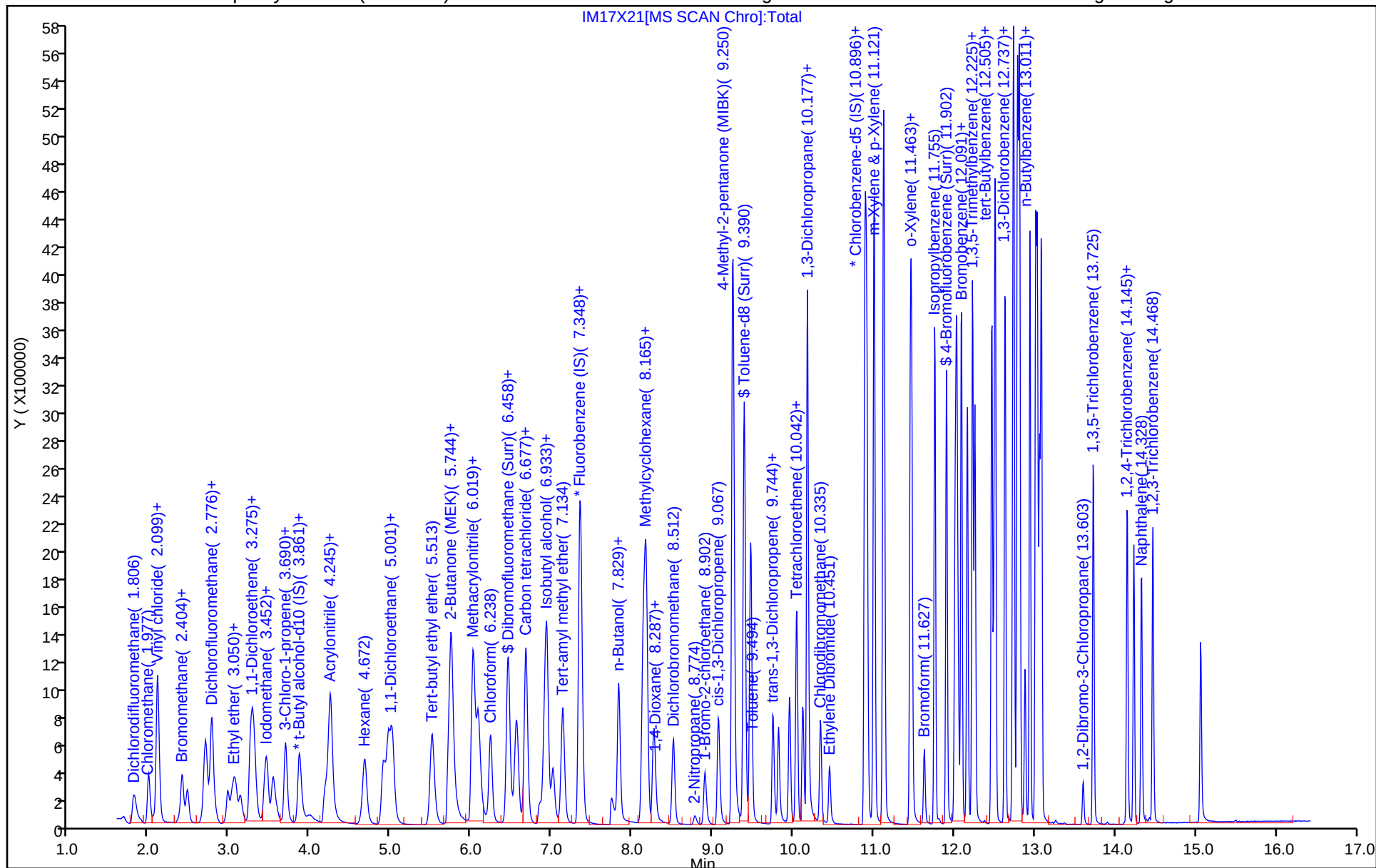
ALS Bottle#: 21

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## Eurofins Lancaster Laboratories Environment Testing, LLC

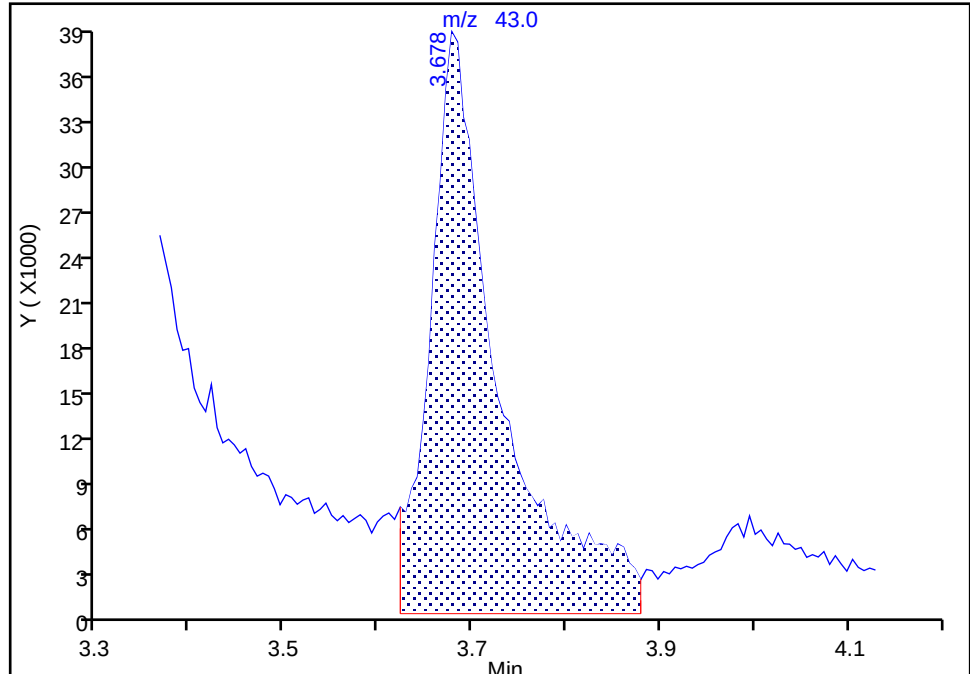
Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X21.D  
Injection Date: 17-Mar-2025 22:13:30 Instrument ID: 19930  
Lims ID: ICV  
Client ID:  
Operator ID: knk41612 ALS Bottle#: 21 Worklist Smp#: 22  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**23 Methyl acetate, CAS: 79-20-9**

Signal: 1

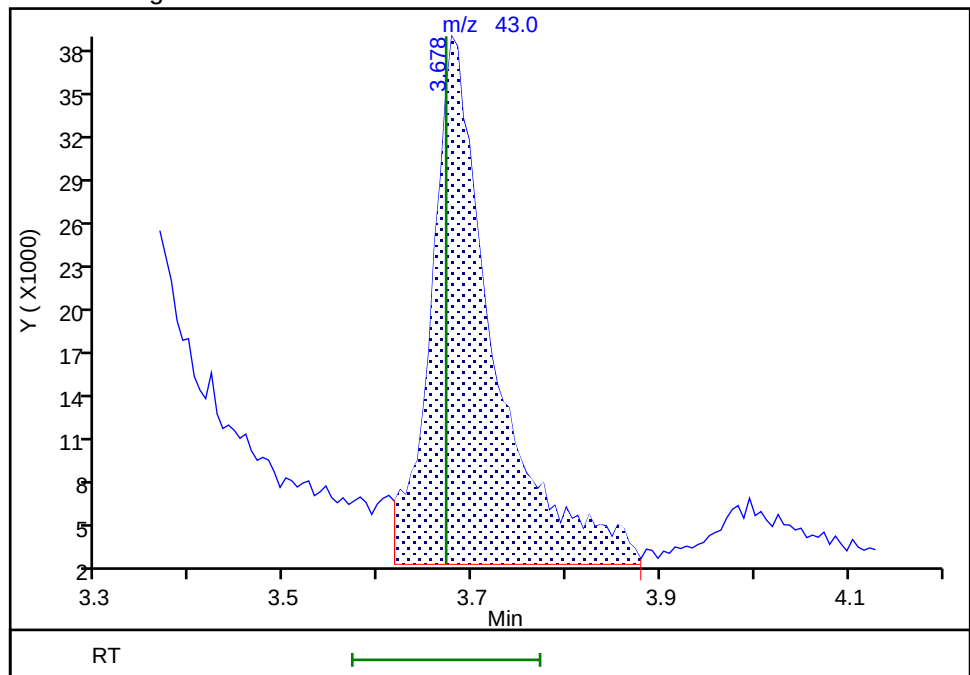
RT: 3.68  
Area: 195738  
Amount: 5.711416  
Amount Units: ug/l

## Processing Integration Results



RT: 3.68  
Area: 166814  
Amount: 4.867446  
Amount Units: ug/l

## Manual Integration Results



Reviewer: K4WN, 18-Mar-2025 09:32:29 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Lab Sample ID: CCVIS 410-666534/3

Calibration Date: 07/03/2025 09:18

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

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

Calib End Date: 03/17/2025 21:31

Lab File ID: IL03X02.D

Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                  | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D     | MAX<br>%D |
|--------------------------|---------------|---------|--------|---------|----------------|-----------------|--------|-----------|
| Dichlorodifluoromethane  | Ave           | 0.3894  | 0.2842 | 0.1000  | 9.13           | 12.5            | -27.0* | 20.0      |
| Chloromethane            | Ave           | 0.5016  | 0.3692 | 0.1000  | 9.20           | 12.5            | -26.4* | 20.0      |
| 1,3-Butadiene            | Ave           | 0.5908  | 0.4902 |         | 10.4           | 12.5            | -17.0  | 20.0      |
| Vinyl chloride           | Ave           | 0.4217  | 0.3448 | 0.1000  | 10.2           | 12.5            | -18.2  | 20.0      |
| Bromomethane             | Ave           | 0.3454  | 0.2755 | 0.1000  | 9.97           | 12.5            | -20.2* | 20.0      |
| Chloroethane             | Ave           | 0.2690  | 0.2142 | 0.1000  | 9.95           | 12.5            | -20.4* | 20.0      |
| Dichlorofluoromethane    | Ave           | 0.7753  | 0.6101 |         | 9.84           | 12.5            | -21.3* | 20.0      |
| Trichlorofluoromethane   | Ave           | 0.5316  | 0.4901 | 0.1000  | 11.5           | 12.5            | -7.8   | 20.0      |
| Ethyl ether              | Ave           | 0.2507  | 0.2372 |         | 11.8           | 12.5            | -5.4   | 20.0      |
| Freon 123a               | Ave           | 0.3759  | 0.3438 |         | 11.4           | 12.5            | -8.5   | 20.0      |
| Acrolein                 | Ave           | 2.217   | 2.354  |         | 648            | 610             | 6.2    | 20.0      |
| 1,1-Dichloroethene       | Ave           | 0.2798  | 0.2555 | 0.1000  | 11.4           | 12.5            | -8.7   | 20.0      |
| Acetone                  | Ave           | 3.284   | 2.634  | 0.1000  | 100            | 125             | -19.8  | 20.0      |
| Freon 113                | Ave           | 0.3177  | 0.2752 | 0.1000  | 10.8           | 12.5            | -13.4  | 20.0      |
| Methyl iodide            | Ave           | 0.5797  | 0.5122 |         | 11.0           | 12.5            | -11.6  | 20.0      |
| Ethyl bromide            | Ave           | 0.2605  | 0.2312 |         | 11.1           | 12.5            | -11.2  | 20.0      |
| Carbon disulfide         | Ave           | 0.9027  | 0.8235 | 0.1000  | 11.4           | 12.5            | -8.8   | 20.0      |
| Methyl acetate           | Ave           | 8.003   | 7.560  | 0.1000  | 11.8           | 12.5            | -5.5   | 20.0      |
| Allyl chloride           | Ave           | 0.4564  | 0.4121 |         | 11.3           | 12.5            | -9.7   | 20.0      |
| Methylene Chloride       | Ave           | 0.3288  | 0.3036 | 0.1000  | 11.5           | 12.5            | -7.7   | 20.0      |
| t-Butyl alcohol          | Ave           | 1.153   | 0.8861 |         | 192            | 250             | -23.2* | 20.0      |
| Acrylonitrile            | Ave           | 3.925   | 3.729  |         | 29.7           | 31.3            | -5.0   | 20.0      |
| Methyl tert-butyl ether  | Ave           | 0.7846  | 0.7321 | 0.1000  | 11.7           | 12.5            | -6.7   | 20.0      |
| trans-1,2-Dichloroethene | Ave           | 0.3105  | 0.2990 | 0.1000  | 12.0           | 12.5            | -3.7   | 20.0      |
| n-Hexane                 | Ave           | 0.4349  | 0.3829 |         | 11.0           | 12.5            | -12.0  | 20.0      |
| 1,1-Dichloroethane       | Ave           | 0.5968  | 0.5417 | 0.2000  | 11.3           | 12.5            | -9.2   | 20.0      |
| di-Isopropyl ether       | Ave           | 0.9580  | 0.8398 |         | 11.0           | 12.5            | -12.3  | 20.0      |
| 2-Chloro-1,3-butadiene   | Ave           | 0.4645  | 0.4378 |         | 11.8           | 12.5            | -5.8   | 20.0      |
| Ethyl t-butyl ether      | Ave           | 0.8957  | 0.8293 |         | 11.6           | 12.5            | -7.4   | 20.0      |
| 2-Butanone (MEK)         | Ave           | 5.536   | 4.874  | 0.1000  | 110            | 125             | -12.0  | 20.0      |
| cis-1,2-Dichloroethene   | Ave           | 0.3469  | 0.3418 | 0.1000  | 12.3           | 12.5            | -1.5   | 20.0      |
| 2,2-Dichloropropane      | Ave           | 0.4909  | 0.4550 |         | 11.6           | 12.5            | -7.3   | 20.0      |
| Propionitrile            | Ave           | 1.473   | 1.381  |         | 234            | 250             | -6.3   | 20.0      |
| Methacrylonitrile        | Ave           | 5.655   | 5.366  |         | 119            | 125             | -5.1   | 20.0      |
| Bromochloromethane       | Ave           | 0.1683  | 0.1585 |         | 11.8           | 12.5            | -5.8   | 20.0      |
| Tetrahydrofuran          | Ave           | 1.661   | 1.610  |         | 60.6           | 62.5            | -3.1   | 20.0      |
| Chloroform               | Ave           | 0.6083  | 0.5489 | 0.2000  | 11.3           | 12.5            | -9.8   | 20.0      |
| 1,1,1-Trichloroethane    | Ave           | 0.5209  | 0.4756 | 0.1000  | 11.4           | 12.5            | -8.7   | 20.0      |
| Cyclohexane              | Ave           | 0.5372  | 0.4863 | 0.1000  | 11.3           | 12.5            | -9.5   | 20.0      |
| 1,1-Dichloropropene      | Ave           | 0.4622  | 0.4216 |         | 11.4           | 12.5            | -8.8   | 20.0      |

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.: \_\_\_\_\_

Lab Sample ID: CCVIS 410-666534/3

Calibration Date: 07/03/2025 09:18

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

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

Calib End Date: 03/17/2025 21:31

Lab File ID: IL03X02.D

Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                     | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|-----------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| Carbon tetrachloride        | Ave           | 0.4565  | 0.4265 | 0.1000  | 11.7           | 12.5            | -6.6  | 20.0      |
| Isobutyl alcohol            | Ave           | 0.4049  | 0.3555 |         | 549            | 625             | -12.2 | 20.0      |
| Benzene                     | Ave           | 1.381   | 1.281  | 0.5000  | 11.6           | 12.5            | -7.3  | 20.0      |
| 1,2-Dichloroethane          | Ave           | 0.3947  | 0.3502 | 0.1000  | 11.1           | 12.5            | -11.3 | 20.0      |
| t-Amyl methyl ether         | Ave           | 0.8242  | 0.8064 |         | 12.2           | 12.5            | -2.2  | 20.0      |
| n-Heptane                   | Ave           | 0.4271  | 0.3762 |         | 11.0           | 12.5            | -11.9 | 20.0      |
| n-Butanol                   | Lin           |         | 0.3351 |         | 1000           | 1090            | -8.4  | 20.0      |
| Trichloroethene             | Ave           | 0.3658  | 0.3350 | 0.2000  | 11.4           | 12.5            | -8.4  | 20.0      |
| Methylcyclohexane           | Ave           | 0.5736  | 0.5266 | 0.1000  | 11.5           | 12.5            | -8.2  | 20.0      |
| 1,2-Dichloropropane         | Ave           | 0.3643  | 0.3269 | 0.1000  | 11.2           | 12.5            | -10.3 | 20.0      |
| 1,4-Dioxane                 | Ave           | 0.0869  | 0.0882 | 0.0050  | 634            | 625             | 1.5   | 20.0      |
| Methyl methacrylate         | Ave           | 9.864   | 9.479  |         | 12.0           | 12.5            | -3.9  | 20.0      |
| Dibromomethane              | Ave           | 0.1799  | 0.1611 |         | 11.2           | 12.5            | -10.5 | 20.0      |
| Bromodichloromethane        | Ave           | 0.4418  | 0.4012 | 0.2000  | 11.4           | 12.5            | -9.2  | 20.0      |
| 2-Nitropropane              | Ave           | 3.693   | 3.033  |         | 51.3           | 62.5            | -17.9 | 20.0      |
| 1-Bromo-2-chloroethane      | Ave           | 0.3761  | 0.3499 |         | 11.6           | 12.5            | -7.0  | 20.0      |
| cis-1,3-Dichloropropene     | Ave           | 0.4921  | 0.4697 | 0.2000  | 11.9           | 12.5            | -4.5  | 20.0      |
| 4-Methyl-2-pentanone (MIBK) | Ave           | 14.81   | 13.10  | 0.1000  | 111            | 125             | -11.6 | 20.0      |
| Toluene                     | Ave           | 1.161   | 1.064  | 0.4000  | 11.5           | 12.5            | -8.3  | 20.0      |
| trans-1,3-Dichloropropene   | Ave           | 0.5498  | 0.5323 | 0.1000  | 12.1           | 12.5            | -3.2  | 20.0      |
| Ethyl methacrylate          | Ave           | 0.4535  | 0.4384 |         | 12.1           | 12.5            | -3.3  | 20.0      |
| 1,1,2-Trichloroethane       | Ave           | 0.3464  | 0.3246 | 0.1000  | 11.7           | 12.5            | -6.3  | 20.0      |
| Tetrachloroethene           | Ave           | 0.5651  | 0.5102 | 0.2000  | 11.3           | 12.5            | -9.7  | 20.0      |
| 1,3-Dichloropropane         | Ave           | 0.5953  | 0.5429 |         | 11.4           | 12.5            | -8.8  | 20.0      |
| 2-Hexanone                  | Ave           | 10.42   | 9.407  | 0.1000  | 113            | 125             | -9.7  | 20.0      |
| Dibromochloromethane        | Ave           | 0.4275  | 0.4013 |         | 11.7           | 12.5            | -6.1  | 20.0      |
| 1,2-Dibromoethane (EDB)     | Ave           | 0.3272  | 0.3058 | 0.1000  | 11.7           | 12.5            | -6.6  | 20.0      |
| 1-Chlorohexane              | Ave           | 0.6349  | 0.5660 |         | 11.1           | 12.5            | -10.9 | 20.0      |
| Chlorobenzene               | Ave           | 1.364   | 1.244  | 0.5000  | 11.4           | 12.5            | -8.8  | 20.0      |
| 1,1,1,2-Tetrachloroethane   | Ave           | 0.4704  | 0.4427 |         | 11.8           | 12.5            | -5.9  | 20.0      |
| Ethylbenzene                | Ave           | 2.266   | 2.122  | 0.1000  | 11.7           | 12.5            | -6.4  | 20.0      |
| m&p-Xylene                  | Ave           | 0.8828  | 0.8602 | 0.1000  | 24.4           | 25.0            | -2.6  | 20.0      |
| o-Xylene                    | Ave           | 0.8447  | 0.8138 | 0.3000  | 12.0           | 12.5            | -3.7  | 20.0      |
| Styrene                     | Ave           | 1.318   | 1.370  | 0.3000  | 13.0           | 12.5            | 3.9   | 20.0      |
| Bromoform                   | Ave           | 0.2514  | 0.2409 | 0.1000  | 12.0           | 12.5            | -4.2  | 20.0      |
| Isopropylbenzene            | Ave           | 1.952   | 1.898  | 0.1000  | 12.2           | 12.5            | -2.7  | 20.0      |
| 1,1,2,2-Tetrachloroethane   | Ave           | 0.8183  | 0.7062 | 0.3000  | 10.8           | 12.5            | -13.7 | 20.0      |
| Bromobenzene                | Ave           | 0.9765  | 0.8686 |         | 11.1           | 12.5            | -11.1 | 20.0      |
| trans-1,4-Dichloro-2-butene | Ave           | 5.103   | 4.202  |         | 103            | 125             | -17.7 | 20.0      |
| 1,2,3-Trichloropropane      | Ave           | 0.2210  | 0.1961 |         | 11.1           | 12.5            | -11.3 | 20.0      |

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Lab Sample ID: CCVIS 410-666534/3

Calibration Date: 07/03/2025 09:18

Instrument ID: 19930

Calib Start Date: 03/17/2025 19:05

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

Calib End Date: 03/17/2025 21:31

Lab File ID: IL03X02.D

Conc. Units: ug/L Heated Purge: (Y/N) N

| ANALYTE                      | CURVE<br>TYPE | AVE RRF | RRF    | MIN RRF | CALC<br>AMOUNT | SPIKE<br>AMOUNT | %D    | MAX<br>%D |
|------------------------------|---------------|---------|--------|---------|----------------|-----------------|-------|-----------|
| N-Propylbenzene              | Ave           | 4.595   | 4.254  |         | 11.6           | 12.5            | -7.4  | 20.0      |
| 2-Chlorotoluene              | Ave           | 0.9787  | 0.8596 |         | 11.0           | 12.5            | -12.2 | 20.0      |
| 1,3,5-Trimethylbenzene       | Ave           | 3.264   | 3.049  |         | 11.7           | 12.5            | -6.6  | 20.0      |
| 4-Chlorotoluene              | Ave           | 1.003   | 0.9104 |         | 11.3           | 12.5            | -9.2  | 20.0      |
| tert-Butylbenzene            | Ave           | 0.7643  | 0.6903 |         | 11.3           | 12.5            | -9.7  | 20.0      |
| Pentachloroethane            | Ave           | 0.5931  | 0.5328 |         | 11.2           | 12.5            | -10.2 | 20.0      |
| 1,2,4-Trimethylbenzene       | Ave           | 3.294   | 3.166  |         | 12.0           | 12.5            | -3.9  | 20.0      |
| sec-Butylbenzene             | Ave           | 4.252   | 3.990  |         | 11.7           | 12.5            | -6.2  | 20.0      |
| 1,3-Dichlorobenzene          | Ave           | 1.871   | 1.730  | 0.6000  | 11.6           | 12.5            | -7.5  | 20.0      |
| p-Isopropyltoluene           | Ave           | 3.583   | 3.513  |         | 12.3           | 12.5            | -2.0  | 20.0      |
| 1,4-Dichlorobenzene          | Ave           | 2.014   | 1.818  | 0.5000  | 11.3           | 12.5            | -9.7  | 20.0      |
| 1,2,3-Trimethylbenzene       | Ave           | 1.562   | 1.429  |         | 11.4           | 12.5            | -8.5  | 20.0      |
| Benzyl chloride              | Ave           | 0.2889  | 0.3144 |         | 13.6           | 12.5            | 8.8   | 20.0      |
| n-Butylbenzene               | Ave           | 1.825   | 1.774  |         | 12.1           | 12.5            | -2.8  | 20.0      |
| 1,2-Dichlorobenzene          | Ave           | 1.809   | 1.650  | 0.4000  | 11.4           | 12.5            | -8.8  | 20.0      |
| 1,2-Dibromo-3-Chloropropane  | Ave           | 0.1100  | 0.1124 | 0.0500  | 12.8           | 12.5            | 2.1   | 20.0      |
| 1,3,5-Trichlorobenzene       | Ave           | 1.362   | 1.331  |         | 12.2           | 12.5            | -2.3  | 20.0      |
| 1,2,4-Trichlorobenzene       | Ave           | 1.113   | 1.136  | 0.2000  | 12.8           | 12.5            | 2.1   | 20.0      |
| Hexachlorobutadiene          | Ave           | 0.5353  | 0.5438 |         | 12.7           | 12.5            | 1.6   | 20.0      |
| Naphthalene                  | Ave           | 2.171   | 2.410  |         | 13.9           | 12.5            | 11.1  | 20.0      |
| 1,2,3-Trichlorobenzene       | Ave           | 1.014   | 1.077  |         | 13.3           | 12.5            | 6.3   | 20.0      |
| Dibromofluoromethane (Surr)  | Ave           | 0.2470  | 0.2477 |         | 10.0           | 10.0            | 0.3   | 20.0      |
| 1,2-Dichloroethane-d4 (Surr) | Ave           | 0.0501  | 0.0537 |         | 10.7           | 10.0            | 7.2   | 20.0      |
| Toluene-d8 (Surr)            | Ave           | 1.317   | 1.347  |         | 10.2           | 10.0            | 2.3   | 20.0      |
| 4-Bromofluorobenzene (Surr)  | Ave           | 0.4825  | 0.4937 |         | 10.2           | 10.0            | 2.3   | 20.0      |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X02.D  
 Lims ID: CCVIS VSTD12.5  
 Client ID:  
 Sample Type: CCVIS  
 Inject. Date: 03-Jul-2025 09:18:30 ALS Bottle#: 2 Worklist Smp#: 3  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-003  
 Misc. Info.: CCVIS VSTD12.5  
 Operator ID: ecr105096 Instrument ID: 19930  
 Sublist: chrom-8260 25ml HP31\*sub2  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 03-Jul-2025 14:55:02 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1707

First Level Reviewer: N7YK

Date: 03-Jul-2025 10:24:54

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  | 1.800     | 1.800         | 0.000         | 99  | 862286   | 12.5         | 9.13           |       |
| 4 Chloromethane                     | 50  | 1.983     | 1.983         | 0.000         | 99  | 1120009  | 12.5         | 9.20           |       |
| 6 Butadiene                         | 39  | 2.081     | 2.081         | 0.000         | 90  | 1487228  | 12.5         | 10.4           |       |
| 5 Vinyl chloride                    | 62  | 2.087     | 2.087         | 0.000         | 98  | 1045878  | 12.5         | 10.2           |       |
| 7 Bromomethane                      | 94  | 2.398     | 2.398         | 0.000         | 91  | 835919   | 12.5         | 9.97           |       |
| 8 Chloroethane                      | 64  | 2.453     | 2.453         | 0.000         | 100 | 649814   | 12.5         | 9.95           |       |
| 9 Dichlorofluoromethane             | 67  | 2.672     | 2.672         | 0.000         | 97  | 1850737  | 12.5         | 9.84           |       |
| 10 Trichlorofluoromethane           | 101 | 2.745     | 2.745         | 0.000         | 98  | 1486783  | 12.5         | 11.5           | M     |
| 11 Ethyl ether                      | 59  | 2.934     | 2.934         | 0.000         | 90  | 719752   | 12.5         | 11.8           |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  | 3.020     | 3.020         | 0.000         | 92  | 1043126  | 12.5         | 11.4           |       |
| 14 Acrolein                         | 56  | 3.087     | 3.087         | 0.000         | 100 | 5701386  | 609.9        | 647.6          |       |
| 15 1,1-Dichloroethene               | 96  | 3.221     | 3.221         | 0.000         | 98  | 774978   | 12.5         | 11.4           |       |
| 16 Acetone                          | 43  | 3.239     | 3.239         | 0.000         | 100 | 1307888  | 125.0        | 100.3          |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 | 3.263     | 3.263         | 0.000         | 92  | 834746   | 12.5         | 10.8           |       |
| 18 Iodomethane                      | 142 | 3.398     | 3.398         | 0.000         | 99  | 1553859  | 12.5         | 11.0           |       |
| 19 Ethyl bromide                    | 108 | 3.422     | 3.422         | 0.000         | 98  | 700792   | 12.5         | 11.1           |       |
| 20 Carbon disulfide                 | 76  | 3.501     | 3.501         | 0.000         | 99  | 2498339  | 12.5         | 11.4           |       |
| 23 Methyl acetate                   | 43  | 3.623     | 3.623         | 0.000         | 96  | 375303   | 12.5         | 11.8           | M     |
| 24 3-Chloro-1-propene               | 41  | 3.647     | 3.647         | 0.000         | 92  | 1250241  | 12.5         | 11.3           |       |
| 25 Methylene Chloride               | 84  | 3.818     | 3.818         | 0.000         | 90  | 920951   | 12.5         | 11.5           |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.830     | 3.830         | 0.000         | 97  | 198583   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  | 3.934     | 3.934         | 0.000         | 98  | 879862   | 250.0        | 192.1          |       |
| 28 Acrylonitrile                    | 53  | 4.117     | 4.117         | 0.000         | 99  | 462853   | 31.3         | 29.7           |       |
| 29 Methyl tert-butyl ether          | 73  | 4.184     | 4.184         | 0.000         | 95  | 2221023  | 12.5         | 11.7           |       |
| 30 trans-1,2-Dichloroethene         | 96  | 4.196     | 4.196         | 0.000         | 99  | 906955   | 12.5         | 12.0           |       |
| 31 Hexane                           | 57  | 4.611     | 4.611         | 0.000         | 92  | 1161534  | 12.5         | 11.0           |       |
| 32 1,1-Dichloroethane               | 63  | 4.848     | 4.848         | 0.000         | 96  | 1643508  | 12.5         | 11.3           |       |
| 35 Isopropyl ether                  | 45  | 4.916     | 4.916         | 0.000         | 93  | 2547796  | 12.5         | 11.0           |       |
| 36 2-Chloro-1,3-butadiene           | 53  | 4.964     | 4.964         | 0.000         | 90  | 1328017  | 12.5         | 11.8           |       |
| 37 Tert-butyl ethyl ether           | 59  | 5.458     | 5.458         | 0.000         | 97  | 2515792  | 12.5         | 11.6           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 38 2-Butanone (MEK)                | 43  | 5.659     | 5.659         | 0.000         | 99 | 2419608  | 125.0        | 110.0          |       |
| 39 cis-1,2-Dichloroethene          | 96  | 5.696     | 5.696         | 0.000         | 81 | 1036852  | 12.5         | 12.3           |       |
| 40 2,2-Dichloropropane             | 77  | 5.708     | 5.708         | 0.000         | 86 | 1380495  | 12.5         | 11.6           |       |
| 43 Propionitrile                   | 54  | 5.757     | 5.757         | 0.000         | 99 | 1370831  | 250.0        | 234.3          |       |
| 45 Methacrylonitrile               | 67  | 5.970     | 5.970         | 0.000         | 92 | 2664086  | 125.0        | 118.6          |       |
| 46 Chlorobromomethane              | 128 | 6.031     | 6.031         | 0.000         | 90 | 480763   | 12.5         | 11.8           |       |
| 47 Tetrahydrofuran                 | 71  | 6.049     | 6.049         | 0.000         | 90 | 399707   | 62.5         | 60.6           |       |
| 48 Chloroform                      | 83  | 6.190     | 6.190         | 0.000         | 93 | 1665123  | 12.5         | 11.3           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.409     | 6.409         | 0.000         | 93 | 601043   | 10.0         | 10.0           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.415     | 6.415         | 0.000         | 98 | 1442924  | 12.5         | 11.4           |       |
| 51 Cyclohexane                     | 56  | 6.519     | 6.519         | 0.000         | 90 | 1475392  | 12.5         | 11.3           |       |
| 54 Carbon tetrachloride            | 117 | 6.635     | 6.635         | 0.000         | 96 | 1293813  | 12.5         | 11.7           |       |
| 53 1,1-Dichloropropene             | 75  | 6.635     | 6.635         | 0.000         | 97 | 1278976  | 12.5         | 11.4           |       |
| 55 Isobutyl alcohol                | 41  | 6.805     | 6.805         | 0.000         | 93 | 882495   | 625.0        | 548.8          |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.866     | 6.866         | 0.000         | 92 | 130339   | 10.0         | 10.7           |       |
| 57 Benzene                         | 78  | 6.897     | 6.897         | 0.000         | 96 | 3884879  | 12.5         | 11.6           |       |
| 58 1,2-Dichloroethane              | 62  | 6.976     | 6.976         | 0.000         | 97 | 1062512  | 12.5         | 11.1           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.098     | 7.098         | 0.000         | 99 | 2446424  | 12.5         | 12.2           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 99 | 2426982  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.336     | 7.336         | 0.000         | 90 | 1141365  | 12.5         | 11.0           |       |
| 63 n-Butanol                       | 56  | 7.702     | 7.702         | 0.000         | 90 | 1455500  | 1093.8       | 1001.6         |       |
| 64 Trichloroethene                 | 95  | 7.799     | 7.799         | 0.000         | 98 | 1016414  | 12.5         | 11.4           |       |
| 65 Methylcyclohexane               | 83  | 8.110     | 8.110         | 0.000         | 93 | 1597545  | 12.5         | 11.5           |       |
| 66 1,2-Dichloropropane             | 63  | 8.134     | 8.134         | 0.000         | 93 | 991576   | 12.5         | 11.2           |       |
| 68 1,4-Dioxane                     | 88  | 8.232     | 8.232         | 0.000         | 38 | 219014   | 625.0        | 634.3          |       |
| 67 Methyl methacrylate             | 69  | 8.232     | 8.232         | 0.000         | 90 | 470605   | 12.5         | 12.0           |       |
| 69 Dibromomethane                  | 93  | 8.250     | 8.250         | 0.000         | 95 | 488837   | 12.5         | 11.2           |       |
| 71 Dichlorobromomethane            | 83  | 8.488     | 8.488         | 0.000         | 99 | 1217252  | 12.5         | 11.4           |       |
| 72 2-Nitropropane                  | 41  | 8.756     | 8.756         | 0.000         | 98 | 752989   | 62.5         | 51.3           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.884     | 8.884         | 0.000         | 98 | 1061578  | 12.5         | 11.6           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.055     | 9.055         | 0.000         | 97 | 1425068  | 12.5         | 11.9           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.238     | 9.238         | 0.000         | 96 | 6501371  | 125.0        | 110.5          |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 93 | 2485357  | 10.0         | 10.2           |       |
| 79 Toluene                         | 92  | 9.463     | 9.463         | 0.000         | 98 | 2453480  | 12.5         | 11.5           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.744     | 9.744         | 0.000         | 92 | 1227582  | 12.5         | 12.1           |       |
| 99 Ethyl methacrylate              | 69  | 9.817     | 9.817         | 0.000         | 88 | 1011070  | 12.5         | 12.1           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.951     | 9.951         | 0.000         | 91 | 748509   | 12.5         | 11.7           |       |
| 101 Tetrachloroethene              | 166 | 10.043    | 10.043        | 0.000         | 98 | 1176505  | 12.5         | 11.3           |       |
| 102 1,3-Dichloropropane            | 76  | 10.122    | 10.122        | 0.000         | 89 | 1251933  | 12.5         | 11.4           |       |
| 103 2-Hexanone                     | 43  | 10.177    | 10.177        | 0.000         | 95 | 4669958  | 125.0        | 112.9          |       |
| 105 Chlorodibromomethane           | 129 | 10.341    | 10.341        | 0.000         | 90 | 925471   | 12.5         | 11.7           |       |
| 106 Ethylene Dibromide             | 107 | 10.457    | 10.457        | 0.000         | 99 | 705203   | 12.5         | 11.7           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1844874  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.920    | 10.920        | 0.000         | 97 | 1305136  | 12.5         | 11.1           |       |
| 109 Chlorobenzene                  | 112 | 10.927    | 10.927        | 0.000         | 95 | 2868782  | 12.5         | 11.4           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.012    | 11.012        | 0.000         | 96 | 1020837  | 12.5         | 11.8           |       |
| 112 Ethylbenzene                   | 91  | 11.018    | 11.018        | 0.000         | 98 | 4893452  | 12.5         | 11.7           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.140    | 11.140        | 0.000         | 93 | 3967575  | 25.0         | 24.4           |       |
| 114 o-Xylene                       | 106 | 11.469    | 11.469        | 0.000         | 97 | 1876688  | 12.5         | 12.0           |       |
| 115 Styrene                        | 104 | 11.487    | 11.487        | 0.000         | 94 | 3158761  | 12.5         | 13.0           |       |
| 116 Bromoform                      | 173 | 11.646    | 11.646        | 0.000         | 97 | 555482   | 12.5         | 12.0           |       |
| 117 Isopropylbenzene               | 105 | 11.780    | 11.780        | 0.000         | 95 | 4378012  | 12.5         | 12.2           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 91 | 910896   | 10.0         | 10.2           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.030    | 12.030        | 0.000         | 93 | 1000177  | 12.5         | 10.8           |       |
| 122 Bromobenzene                   | 156 | 12.036    | 12.036        | 0.000         | 95 | 1230138  | 12.5         | 11.1           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.054    | 12.054        | 0.000         | 90 | 2086078  | 125.0        | 102.9          |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.073    | 12.073        | 0.000         | 80 | 277686   | 12.5         | 11.1           |       |
| 125 N-Propylbenzene                | 91  | 12.109    | 12.109        | 0.000         | 99 | 6025246  | 12.5         | 11.6           |       |
| 126 2-Chlorotoluene                | 126 | 12.188    | 12.188        | 0.000         | 97 | 1217390  | 12.5         | 11.0           |       |
| 127 1,3,5-Trimethylbenzene         | 105 | 12.249    | 12.249        | 0.000         | 94 | 4317596  | 12.5         | 11.7           |       |
| 128 4-Chlorotoluene                | 126 | 12.280    | 12.280        | 0.000         | 97 | 1289360  | 12.5         | 11.3           |       |
| 129 tert-Butylbenzene              | 134 | 12.493    | 12.493        | 0.000         | 93 | 977648   | 12.5         | 11.3           |       |
| 130 Pentachloroethane              | 167 | 12.524    | 12.524        | 0.000         | 91 | 754550   | 12.5         | 11.2           |       |
| 131 1,2,4-Trimethylbenzene         | 105 | 12.536    | 12.536        | 0.000         | 97 | 4483808  | 12.5         | 12.0           |       |
| 132 sec-Butylbenzene               | 105 | 12.658    | 12.658        | 0.000         | 94 | 5650823  | 12.5         | 11.7           |       |
| 133 1,3-Dichlorobenzene            | 146 | 12.755    | 12.755        | 0.000         | 98 | 2450444  | 12.5         | 11.6           |       |
| 134 4-Isopropyltoluene             | 119 | 12.768    | 12.768        | 0.000         | 97 | 4974669  | 12.5         | 12.3           |       |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.810    | 12.810        | 0.000         | 94 | 1132969  | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 | 12.829    | 12.829        | 0.000         | 95 | 2574854  | 12.5         | 11.3           |       |
| 137 1,2,3-Trimethylbenzene         | 120 | 12.841    | 12.841        | 0.000         | 98 | 2023765  | 12.5         | 11.4           |       |
| 138 Benzyl chloride                | 126 | 12.908    | 12.908        | 0.000         | 98 | 445248   | 12.5         | 13.6           |       |
| 139 n-Butylbenzene                 | 92  | 13.060    | 13.060        | 0.000         | 97 | 2511828  | 12.5         | 12.1           |       |
| 140 1,2-Dichlorobenzene            | 146 | 13.091    | 13.091        | 0.000         | 99 | 2336226  | 12.5         | 11.4           |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 | 13.633    | 13.633        | 0.000         | 86 | 159132   | 12.5         | 12.8           |       |
| 143 1,3,5-Trichlorobenzene         | 180 | 13.761    | 13.761        | 0.000         | 98 | 1884628  | 12.5         | 12.2           |       |
| 144 1,2,4-Trichlorobenzene         | 180 | 14.182    | 14.182        | 0.000         | 94 | 1609306  | 12.5         | 12.8           |       |
| 145 Hexachlorobutadiene            | 225 | 14.267    | 14.267        | 0.000         | 96 | 770095   | 12.5         | 12.7           |       |
| 146 Naphthalene                    | 128 | 14.359    | 14.359        | 0.000         | 97 | 3413634  | 12.5         | 13.9           |       |
| 147 1,2,3-Trichlorobenzene         | 180 | 14.505    | 14.505        | 0.000         | 96 | 1525645  | 12.5         | 13.3           |       |
| 156 p-Diethylbenzene               | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol              | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane       | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                        | 43  |           | 0.000         |               |    |          | ND           | ND             |       |

**QC Flag Legend**

Processing Flags

ND - Not Detected or Marked ND

Review Flags

M - Manually Integrated

**Reagents:**

MSV\_LL\_#1\_826\_00170

Amount Added: 25.00

Units: uL

MSV\_LL\_#2\_826\_00184

Amount Added: 25.00

Units: uL

MSV\_LL\_GAS826\_00278

Amount Added: 25.00

Units: uL

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent



Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X02.D

Injection Date: 03-Jul-2025 09:18:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: CCVIS VSTD12.5

Worklist Smp#: 3

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

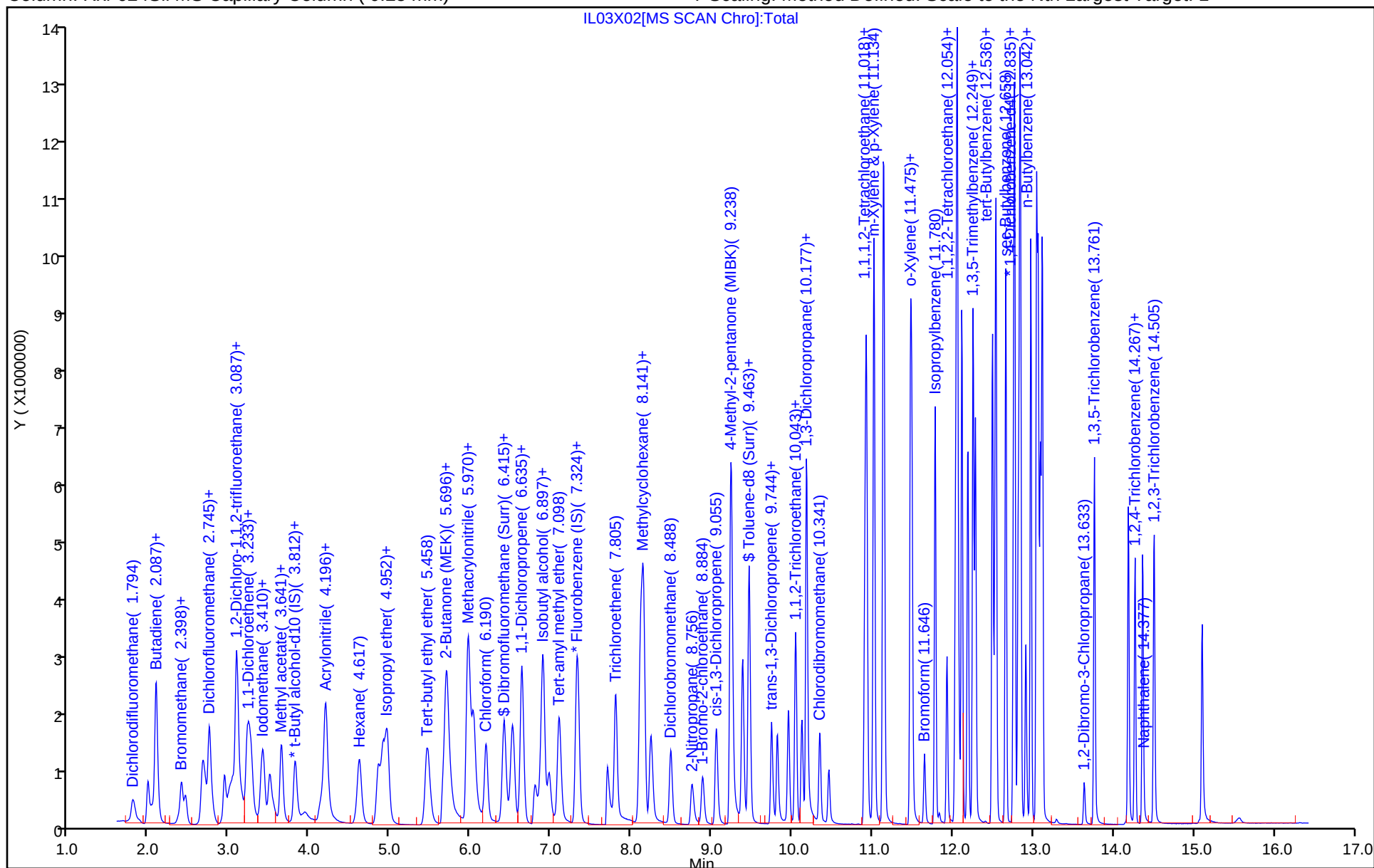
ALS Bottle#: 2

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



## Eurofins Lancaster Laboratories Environment Testing, LLC

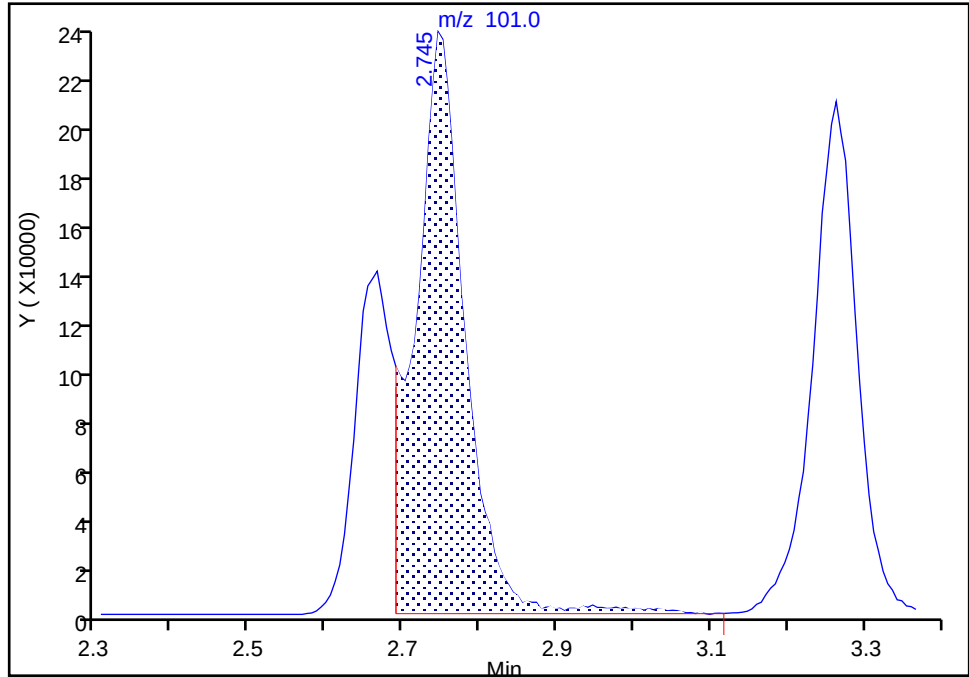
Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X02.D  
Injection Date: 03-Jul-2025 09:18:30 Instrument ID: 19930  
Lims ID: CCVIS VSTD12.5  
Client ID:  
Operator ID: ecr105096 ALS Bottle#: 2 Worklist Smp#: 3  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**10 Trichlorofluoromethane, CAS: 75-69-4**

Signal: 1

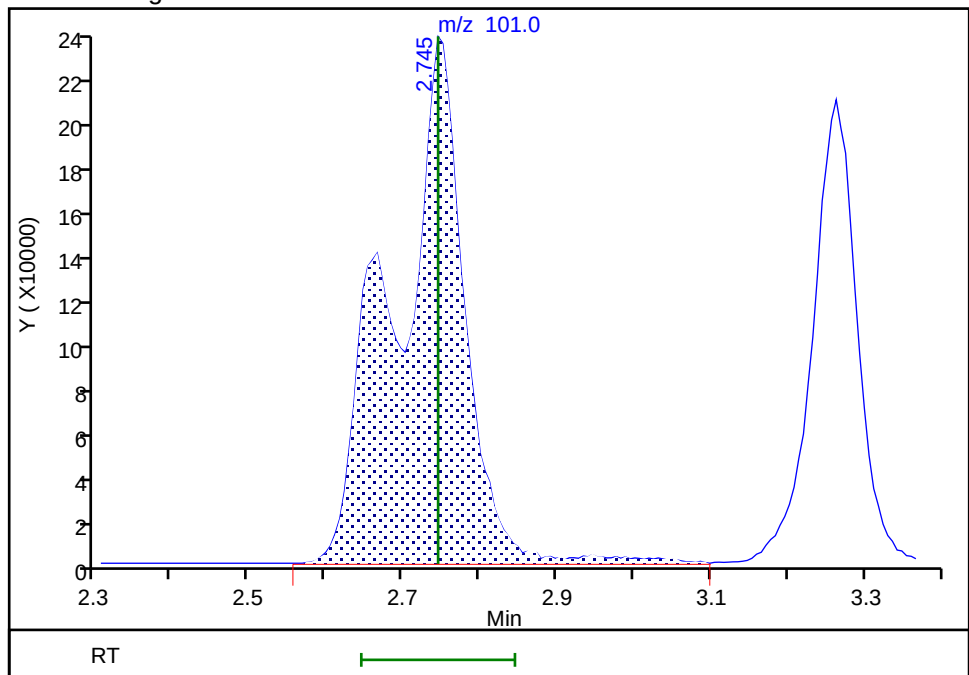
RT: 2.75  
Area: 1058769  
Amount: 8.205709  
Amount Units: ug/l

## Processing Integration Results



RT: 2.75  
Area: 1486783  
Amount: 11.522918  
Amount Units: ug/l

## Manual Integration Results



Reviewer: N7YK, 03-Jul-2025 10:14:41 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

## Eurofins Lancaster Laboratories Environment Testing, LLC

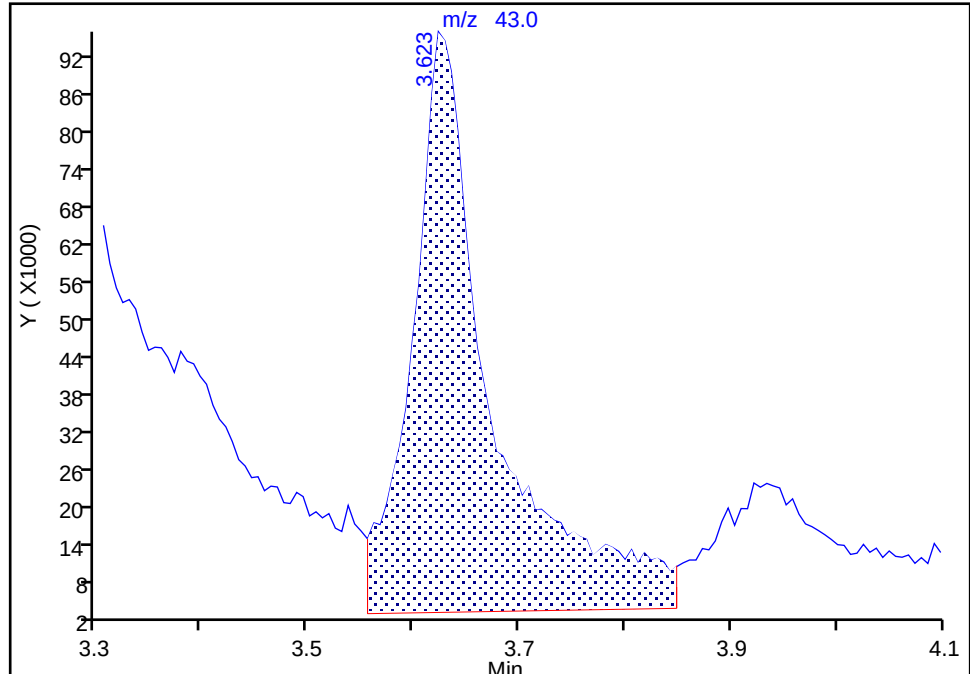
Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X02.D  
Injection Date: 03-Jul-2025 09:18:30 Instrument ID: 19930  
Lims ID: CCVIS VSTD12.5  
Client ID:  
Operator ID: ecr105096 ALS Bottle#: 2 Worklist Smp#: 3  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

**23 Methyl acetate, CAS: 79-20-9**

Signal: 1

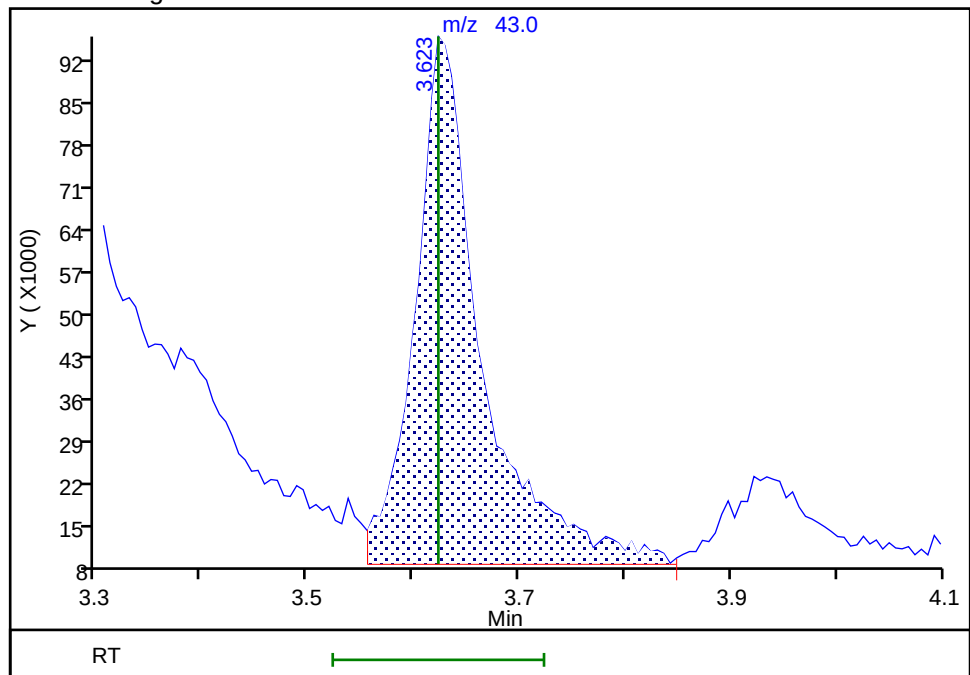
RT: 3.62  
Area: 489704  
Amount: 15.407483  
Amount Units: ug/l

## Processing Integration Results



RT: 3.62  
Area: 375303  
Amount: 11.808101  
Amount Units: ug/l

## Manual Integration Results



Reviewer: N7YK, 03-Jul-2025 10:14:57 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17T01.D  
Lims ID: BFB  
Client ID:  
Sample Type: BFB  
Inject. Date: 17-Mar-2025 15:00:30 ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 1.0 uL Dil. Factor: 1.0000  
Sample Info: 410-0141066-001  
Misc. Info.: BFB  
Operator ID: knk41612 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 19-Mar-2025 10:19:02 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1632

| Compound   | Sig | RT<br>(min.) | Exp RT<br>(min.) | Dlt RT<br>(min.) | Q | Response | Cal Amt<br>ug/l | OnCol Amt<br>ug/l | Flags |
|------------|-----|--------------|------------------|------------------|---|----------|-----------------|-------------------|-------|
| \$ 167 BFB | 95  | 4.946        | 4.946            | 0.000            | 0 | 176610   | NR              | NR                |       |

**QC Flag Legend**

Processing Flags

NR - Missing Quant Standard

**Reagents:**

MSV\_V\_BFB\_00018

Amount Added: 1.00

Units: uL

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17T01.D

Injection Date: 17-Mar-2025 15:00:30

Instrument ID: 19930

Lims ID: BFB

Client ID:

Operator ID: knk41612

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

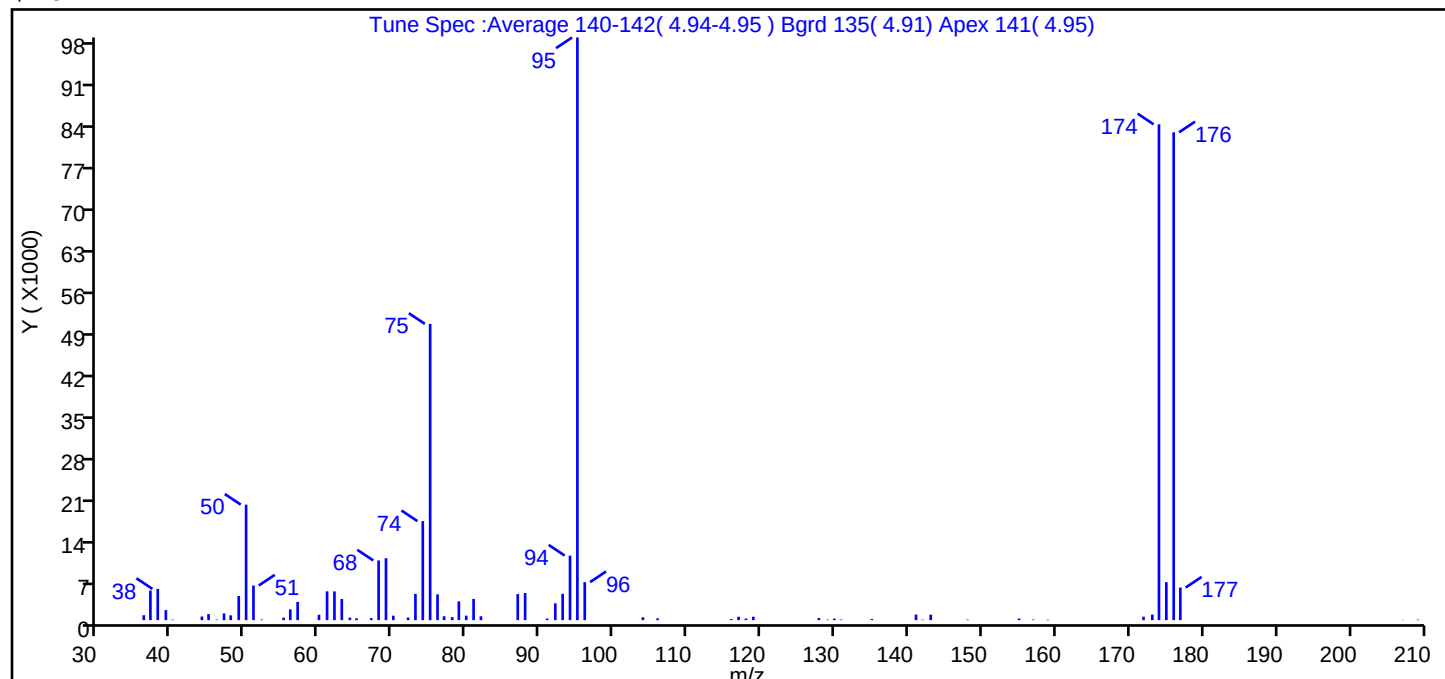
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Tune Method: BFB Method 8260

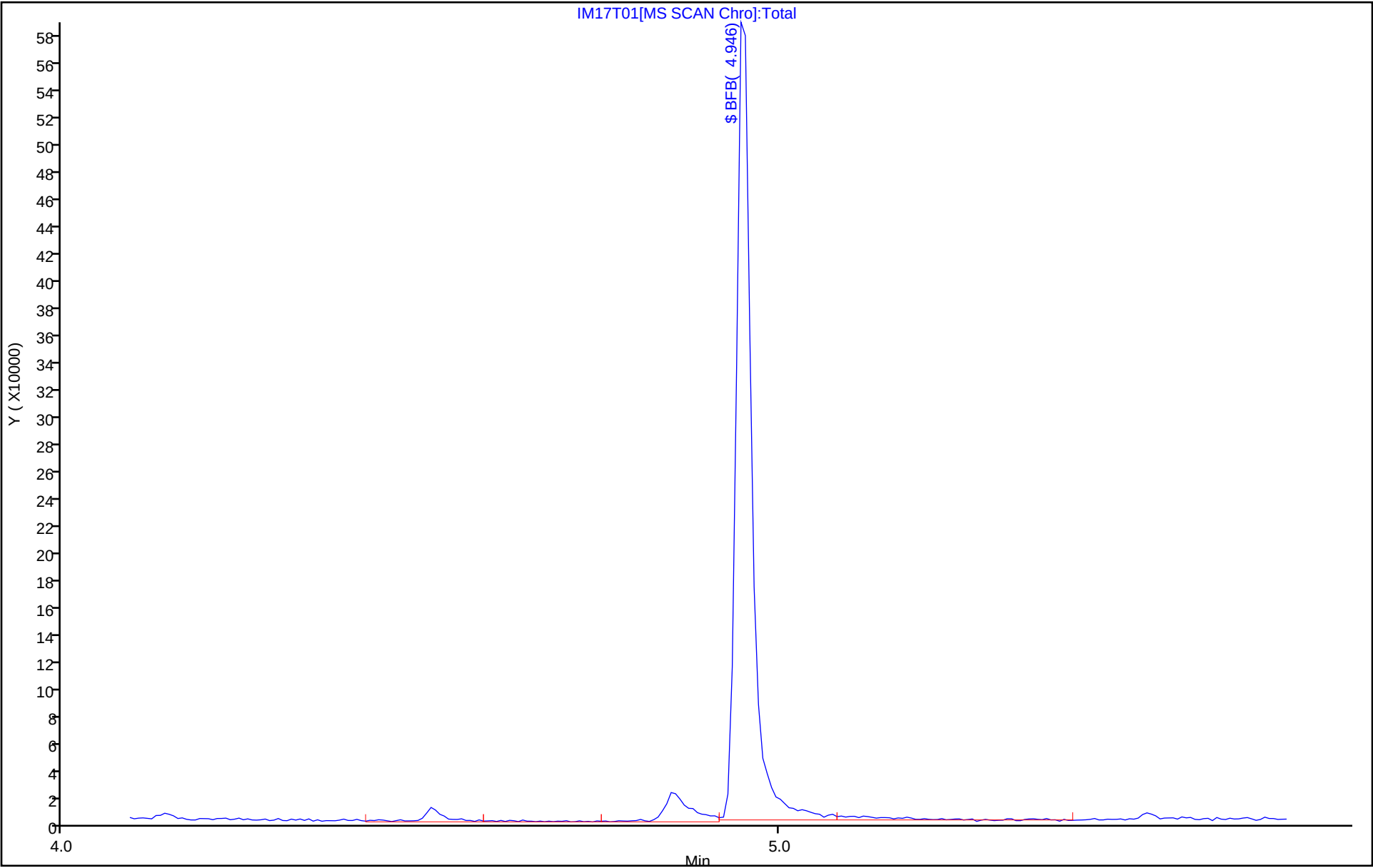
\$ 167 BFB



| m/z | Ion Abundance Criteria                         | % Relative Abundance |
|-----|------------------------------------------------|----------------------|
| 95  | Base peak, 100% relative abundance             | 100.0                |
| 50  | 15 to 40% of m/z 95                            | 19.8                 |
| 75  | 30 to 60% of m/z 95                            | 50.8                 |
| 96  | 5 to 9% of m/z 95                              | 6.5                  |
| 173 | Less than 2% of m/z 174                        | 0.9 (1.1)            |
| 174 | 50 to 120% of m/z 95                           | 85.1                 |
| 175 | 5 to 9% of m/z 174                             | 6.5 (7.7)            |
| 176 | Greater than 95% but less than 101% of m/z 174 | 83.7 (98.4)          |
| 177 | 5 to 9% of m/z 176                             | 5.6 (6.7)            |

Data File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17T01.D\8260 25ml HP31.rslt\spectra.d  
Injection Date: 17-Mar-2025 15:00:30  
Spectrum: Tune Spec :Average 140-142( 4.94-4.95 ) Bgrd 135( 4.91) Apex 141( 4.95)  
Base Peak: 95.00  
Minimum % Base Peak: 0  
Number of Points: 72

| m/z   | Y     | m/z   | Y     | m/z    | Y     | m/z    | Y     |
|-------|-------|-------|-------|--------|-------|--------|-------|
| 36.00 | 827   | 61.00 | 4848  | 81.00  | 3575  | 130.00 | 263   |
| 37.00 | 4985  | 62.00 | 4843  | 82.00  | 653   | 131.00 | 99    |
| 38.00 | 5256  | 63.00 | 3562  | 87.00  | 4387  | 135.00 | 181   |
| 39.00 | 1692  | 64.00 | 428   | 88.00  | 4575  | 141.00 | 941   |
| 40.00 | 81    | 65.00 | 305   | 91.00  | 269   | 142.00 | 84    |
| 44.00 | 609   | 67.00 | 342   | 92.00  | 2830  | 143.00 | 921   |
| 45.00 | 1015  | 68.00 | 10051 | 93.00  | 4435  | 148.00 | 91    |
| 46.00 | 96    | 69.00 | 10431 | 94.00  | 10872 | 155.00 | 271   |
| 47.00 | 1127  | 70.00 | 746   | 95.00  | 98112 | 157.00 | 104   |
| 48.00 | 814   | 72.00 | 445   | 96.00  | 6402  | 159.00 | 83    |
| 49.00 | 4059  | 73.00 | 4418  | 104.00 | 472   | 172.00 | 581   |
| 50.00 | 19448 | 74.00 | 16672 | 106.00 | 301   | 173.00 | 931   |
| 51.00 | 5834  | 75.00 | 49888 | 116.00 | 179   | 174.00 | 83488 |
| 52.00 | 104   | 76.00 | 4335  | 117.00 | 569   | 175.00 | 6398  |
| 55.00 | 419   | 77.00 | 655   | 118.00 | 266   | 176.00 | 82144 |
| 56.00 | 1813  | 78.00 | 513   | 119.00 | 579   | 177.00 | 5489  |
| 57.00 | 3077  | 79.00 | 3155  | 128.00 | 356   | 207.00 | 40    |
| 60.00 | 908   | 80.00 | 752   | 129.00 | 83    | 209.00 | 91    |



Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03T02.D  
Lims ID: BFB  
Client ID:  
Sample Type: BFB  
Inject. Date: 03-Jul-2025 08:45:30 ALS Bottle#: 1 Worklist Smp#: 1  
Injection Vol: 1.0 uL Dil. Factor: 1.0000  
Sample Info: 410-0152351-001  
Misc. Info.: BFB  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 03-Jul-2025 14:54:51 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1707

| Compound   | Sig | RT<br>(min.) | Exp RT<br>(min.) | Dlt RT<br>(min.) | Q  | Response | Cal Amt<br>ug/l | OnCol Amt<br>ug/l | Flags |
|------------|-----|--------------|------------------|------------------|----|----------|-----------------|-------------------|-------|
| \$ 167 BFB | 95  | 4.965        | 4.965            | 0.000            | 91 | 2344350  | NR              | NR                |       |

**QC Flag Legend**

Processing Flags

NR - Missing Quant Standard

**Reagents:**

MSV\_V\_BFB\_00019

Amount Added: 1.00

Units: uL



## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03T02.D

Injection Date: 03-Jul-2025 08:45:30

Instrument ID: 19930

Lims ID: BFB

Client ID:

Operator ID: ecr105096

ALS Bottle#: 1 Worklist Smp#: 1

Injection Vol: 1.0 uL

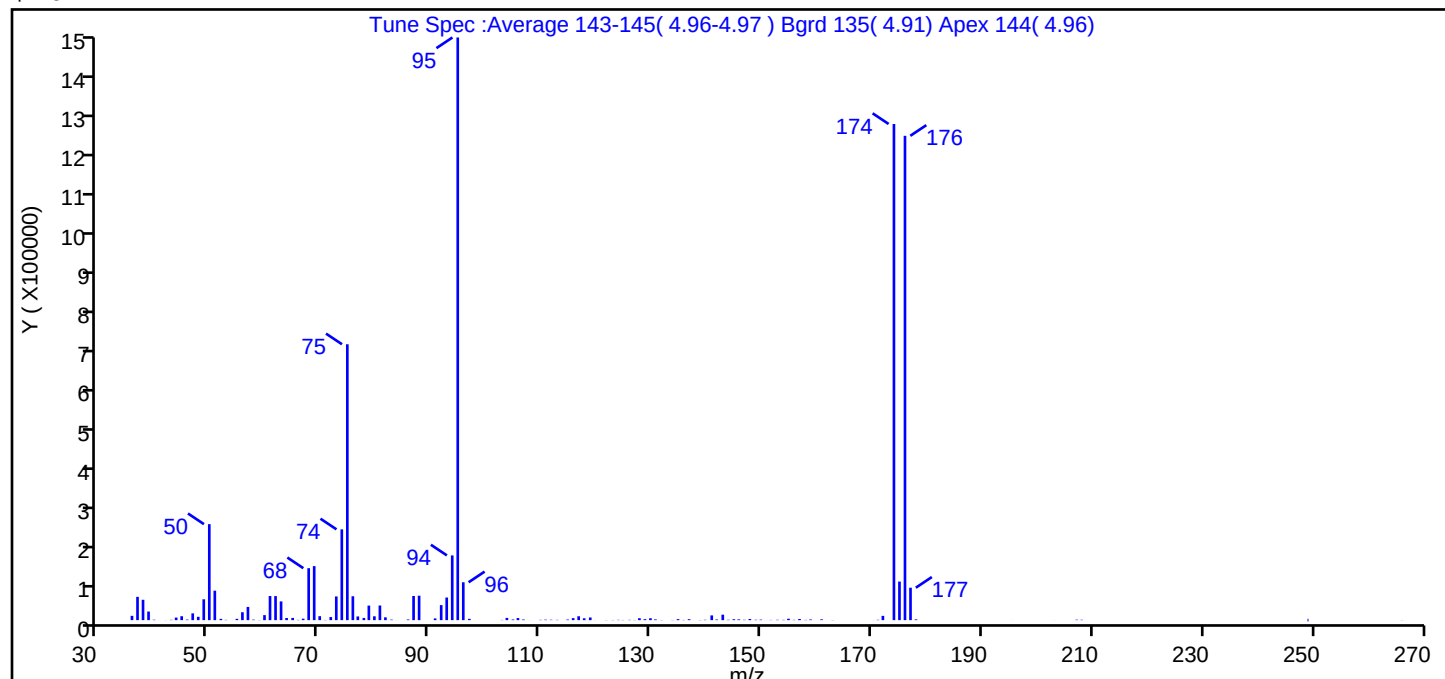
Dil. Factor: 1.0000

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Tune Method: BFB Method 8260

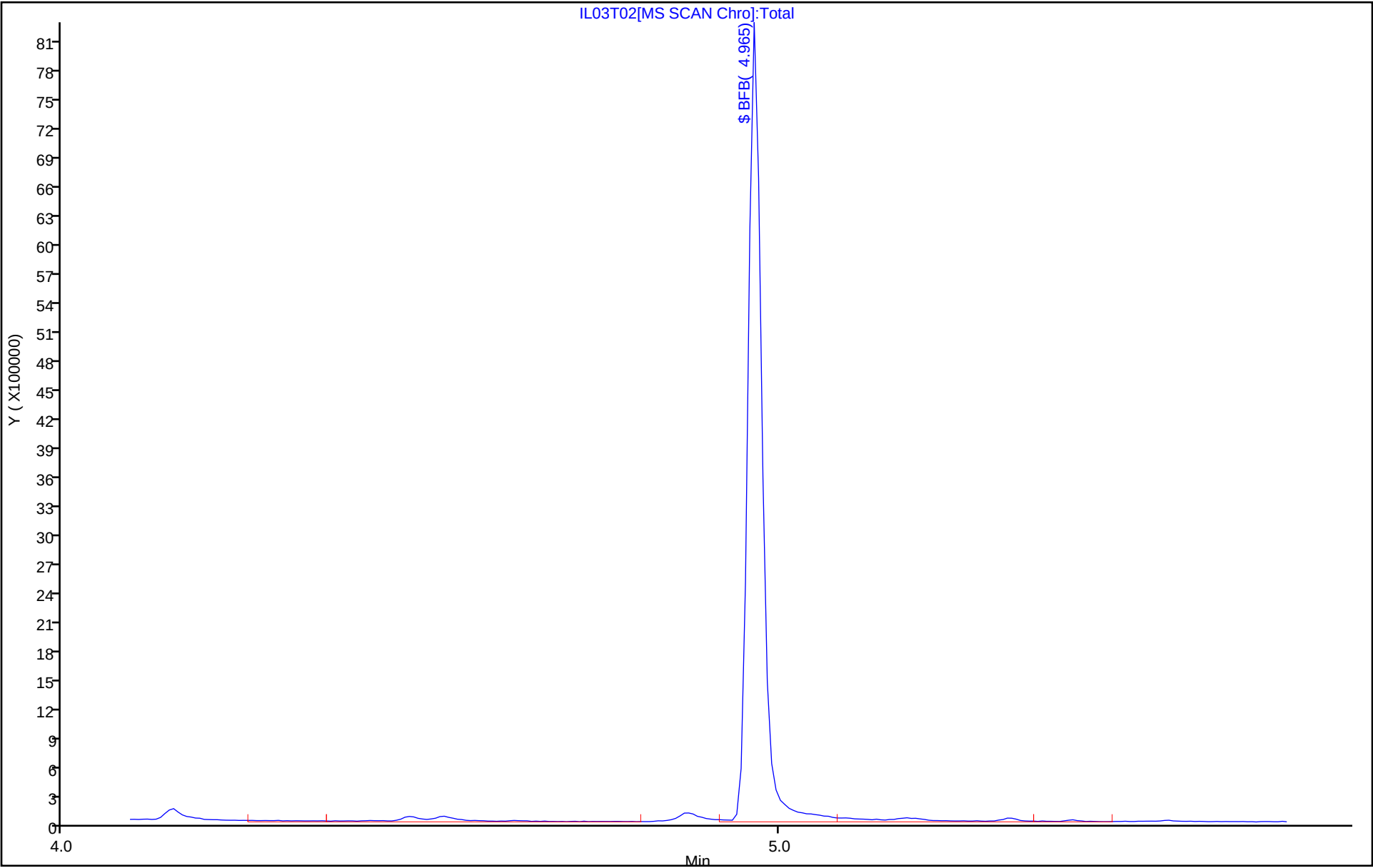
\$ 167 BFB



| m/z | Ion Abundance Criteria                         | % Relative Abundance |
|-----|------------------------------------------------|----------------------|
| 95  | Base peak, 100% relative abundance             | 100.0                |
| 50  | 15 to 40% of m/z 95                            | 16.5                 |
| 75  | 30 to 60% of m/z 95                            | 47.3                 |
| 96  | 5 to 9% of m/z 95                              | 6.5                  |
| 173 | Less than 2% of m/z 174                        | 0.0 (0.0)            |
| 174 | 50 to 120% of m/z 95                           | 85.2                 |
| 175 | 5 to 9% of m/z 174                             | 6.6 (7.8)            |
| 176 | Greater than 95% but less than 101% of m/z 174 | 83.1 (97.6)          |
| 177 | 5 to 9% of m/z 176                             | 5.6 (6.7)            |

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03T02.D\8260 25ml HP31.rsl\spectra.d  
Injection Date: 03-Jul-2025 08:45:30  
Spectrum: Tune Spec :Average 143-145( 4.96-4.97 ) Bgrd 135( 4.91) Apex 144( 4.96)  
Base Peak: 95.00  
Minimum % Base Peak: 0  
Number of Points: 127

| m/z   | Y      | m/z    | Y       | m/z    | Y     | m/z    | Y       |
|-------|--------|--------|---------|--------|-------|--------|---------|
| 36.00 | 10792  | 68.00  | 130408  | 108.00 | 109   | 145.00 | 2260    |
| 37.00 | 58416  | 69.00  | 135616  | 110.00 | 764   | 146.00 | 1930    |
| 38.00 | 51072  | 70.00  | 9981    | 111.00 | 1247  | 147.00 | 899     |
| 39.00 | 21592  | 71.00  | 470     | 112.00 | 987   | 148.00 | 2851    |
| 40.00 | 1058   | 72.00  | 7700    | 113.00 | 760   | 149.00 | 1010    |
| 41.00 | 95     | 73.00  | 59496   | 115.00 | 1552  | 150.00 | 1328    |
| 42.00 | 196    | 74.00  | 227840  | 116.00 | 5057  | 151.00 | 98      |
| 43.00 | 771    | 75.00  | 692352  | 117.00 | 9720  | 152.00 | 539     |
| 44.00 | 6474   | 76.00  | 59944   | 118.00 | 4639  | 153.00 | 924     |
| 45.00 | 9844   | 77.00  | 9279    | 119.00 | 6696  | 154.00 | 725     |
| 46.00 | 1390   | 78.00  | 5507    | 120.00 | 109   | 155.00 | 3593    |
| 47.00 | 17024  | 79.00  | 36552   | 122.00 | 302   | 156.00 | 727     |
| 48.00 | 8377   | 80.00  | 9653    | 123.00 | 426   | 157.00 | 2894    |
| 49.00 | 52376  | 81.00  | 36744   | 124.00 | 750   | 158.00 | 649     |
| 50.00 | 240896 | 82.00  | 7115    | 125.00 | 435   | 159.00 | 1739    |
| 51.00 | 73960  | 83.00  | 1301    | 126.00 | 757   | 161.00 | 2010    |
| 52.00 | 3192   | 84.00  | 87      | 127.00 | 410   | 163.00 | 367     |
| 53.00 | 659    | 86.00  | 1738    | 128.00 | 4831  | 170.00 | 118     |
| 54.00 | 111    | 87.00  | 60664   | 129.00 | 2483  | 171.00 | 889     |
| 55.00 | 3263   | 88.00  | 61344   | 130.00 | 4782  | 172.00 | 10743   |
| 56.00 | 19872  | 91.00  | 4351    | 131.00 | 1899  | 174.00 | 1245184 |
| 57.00 | 33168  | 92.00  | 37704   | 132.00 | 344   | 175.00 | 96800   |
| 58.00 | 1284   | 93.00  | 56768   | 134.00 | 405   | 176.00 | 1215488 |
| 59.00 | 356    | 94.00  | 162432  | 135.00 | 2584  | 177.00 | 81416   |
| 60.00 | 12603  | 95.00  | 1462272 | 136.00 | 515   | 178.00 | 1928    |
| 61.00 | 60528  | 96.00  | 95040   | 137.00 | 2372  | 195.00 | 84      |
| 62.00 | 60392  | 97.00  | 3213    | 139.00 | 434   | 203.00 | 88      |
| 63.00 | 47032  | 103.00 | 522     | 140.00 | 898   | 207.00 | 1155    |
| 64.00 | 5331   | 104.00 | 5649    | 141.00 | 11902 | 208.00 | 954     |
| 65.00 | 5547   | 105.00 | 1675    | 142.00 | 1622  | 249.00 | 3       |
| 66.00 | 648    | 106.00 | 5285    | 143.00 | 13666 | 266.00 | 267     |
| 67.00 | 3650   | 107.00 | 1610    | 144.00 | 914   |        |         |



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-666534/7

Matrix: Water

Lab File ID: IL03X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 10:40

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q | RL   | MDL   |
|------------|-----------------------------|--------|---|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | ND     |   | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | ND     |   | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | ND     |   | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | ND     |   | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | ND     |   | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | ND     |   | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | ND     |   | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | ND     |   | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | ND     |   | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | ND     |   | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | ND     |   | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | ND     |   | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | ND     |   | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | ND     |   | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | ND     |   | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | ND     |   | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | ND     |   | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | ND     |   | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | ND     |   | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | ND     |   | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | ND     |   | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | ND     |   | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | ND     |   | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | ND     |   | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | ND     |   | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     |   | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | ND     |   | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | ND     |   | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | ND     |   | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | ND     |   | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | ND     |   | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | ND     |   | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID:

Lab Sample ID: MB 410-666534/7

Matrix: Water

Lab File ID: IL03X06.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 10:40

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | ND     |   | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | ND     |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | ND     |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | ND     |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | ND     |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | ND     |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 110  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 95   |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 107  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 98   |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X06.D  
 Lims ID: MB  
 Client ID:  
 Sample Type: MB  
 Inject. Date: 03-Jul-2025 10:40:30 ALS Bottle#: 6 Worklist Smp#: 7  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-007  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 03-Jul-2025 14:55:02 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1707

First Level Reviewer: N7YK

Date: 03-Jul-2025 12:49:59

| Compound                            | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|-------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane           | 85  |           | 1.800         |               |    |          |              | ND             |       |
| 2 Chlorodifluoromethane             | 51  |           | 1.812         |               |    |          |              | ND             |       |
| 3 Dimethyl ether                    | 45  |           | 1.873         |               |    |          |              | ND             |       |
| 4 Chloromethane                     | 50  |           | 1.983         |               |    |          |              | ND             | 7     |
| 6 Butadiene                         | 39  |           | 2.081         |               |    |          |              | ND             | 7     |
| 5 Vinyl chloride                    | 62  |           | 2.087         |               |    |          |              | ND             |       |
| 7 Bromomethane                      | 94  |           | 2.398         |               |    |          |              | ND             | 7     |
| 8 Chloroethane                      | 64  |           | 2.453         |               |    |          |              | ND             |       |
| 9 Dichlorofluoromethane             | 67  |           | 2.672         |               |    |          |              | ND             |       |
| 10 Trichlorofluoromethane           | 101 |           | 2.745         |               |    |          |              | ND             |       |
| 11 Ethyl ether                      | 59  |           | 2.934         |               |    |          |              | ND             |       |
| 13 1,2-Dichloro-1,1,2-trifluoroetha | 67  |           | 3.020         |               |    |          |              | ND             |       |
| 14 Acrolein                         | 56  |           | 3.087         |               |    |          |              | ND             |       |
| 15 1,1-Dichloroethene               | 96  |           | 3.221         |               |    |          |              | ND             |       |
| 16 Acetone                          | 43  |           | 3.239         |               |    |          |              | ND             | 7     |
| 17 1,1,2-Trichloro-1,2,2-trifluoroe | 101 |           | 3.263         |               |    |          |              | ND             |       |
| 18 Iodomethane                      | 142 |           | 3.398         |               |    |          |              | ND             |       |
| 19 Ethyl bromide                    | 108 |           | 3.422         |               |    |          |              | ND             |       |
| 20 Carbon disulfide                 | 76  |           | 3.501         |               |    |          |              | ND             | 7     |
| 21 Acetonitrile                     | 41  |           | 3.623         |               |    |          |              | ND             |       |
| 23 Methyl acetate                   | 43  |           | 3.623         |               |    |          |              | ND             | 7     |
| 24 3-Chloro-1-propene               | 41  |           | 3.647         |               |    |          |              | ND             |       |
| 25 Methylene Chloride               | 84  |           | 3.818         |               |    |          |              | ND             |       |
| * 26 t-Butyl alcohol-d10 (IS)       | 65  | 3.848     | 3.830         | 0.018         | 22 | 189383   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol              | 59  |           | 3.934         |               |    |          |              | ND             |       |
| 28 Acrylonitrile                    | 53  |           | 4.117         |               |    |          |              | ND             |       |
| 29 Methyl tert-butyl ether          | 73  |           | 4.184         |               |    |          |              | ND             |       |
| 30 trans-1,2-Dichloroethene         | 96  |           | 4.196         |               |    |          |              | ND             |       |
| 31 Hexane                           | 57  |           | 4.611         |               |    |          |              | ND             |       |
| 32 1,1-Dichloroethane               | 63  |           | 4.848         |               |    |          |              | ND             |       |
| 33 Vinyl acetate                    | 43  |           | 4.879         |               |    |          |              | ND             |       |
| 35 Isopropyl ether                  | 45  |           | 4.916         |               |    |          |              | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 36 2-Chloro-1,3-butadiene          | 53  |           | 4.964         |               |    |          |              | ND             |       |
| 37 Tert-butyl ethyl ether          | 59  |           | 5.458         |               |    |          |              | ND             |       |
| 38 2-Butanone (MEK)                | 43  |           | 5.659         |               |    |          |              | ND             |       |
| 39 cis-1,2-Dichloroethene          | 96  |           | 5.696         |               |    |          |              | ND             |       |
| 40 2,2-Dichloropropane             | 77  |           | 5.708         |               |    |          |              | ND             |       |
| 43 Propionitrile                   | 54  |           | 5.757         |               |    |          |              | ND             |       |
| 42 Ethyl acetate                   | 43  |           | 5.763         |               |    |          |              | ND             |       |
| 45 Methacrylonitrile               | 67  |           | 5.970         |               |    |          |              | ND             |       |
| 46 Chlorobromomethane              | 128 |           | 6.031         |               |    |          |              | ND             |       |
| 47 Tetrahydrofuran                 | 71  |           | 6.049         |               |    |          |              | ND             |       |
| S 41 1,2-Dichloroethene, Total     | 100 |           | 6.155         |               |    |          |              | ND             | 7     |
| 48 Chloroform                      | 83  |           | 6.190         |               |    |          |              | ND             |       |
| 44 Methyl acrylate                 | 55  |           | 6.220         |               |    |          |              | ND             |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 94 | 592981   | 10.0         | 10.7           |       |
| 50 1,1,1-Trichloroethane           | 97  |           | 6.415         |               |    |          |              | ND             |       |
| 51 Cyclohexane                     | 56  |           | 6.519         |               |    |          |              | ND             |       |
| 54 Carbon tetrachloride            | 117 |           | 6.635         |               |    |          |              | ND             |       |
| 53 1,1-Dichloropropene             | 75  |           | 6.635         |               |    |          |              | ND             |       |
| 55 Isobutyl alcohol                | 41  |           | 6.805         |               |    |          |              | ND             |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.872     | 6.866         | 0.006         | 62 | 123315   | 10.0         | 11.0           |       |
| 57 Benzene                         | 78  |           | 6.897         |               |    |          |              | ND             |       |
| 58 1,2-Dichloroethane              | 62  |           | 6.976         |               |    |          |              | ND             |       |
| 59 Isopropyl acetate               | 43  |           | 7.000         |               |    |          |              | ND             |       |
| 52 1-Chlorobutane                  | 56  |           | 7.019         |               |    |          |              | ND             |       |
| 60 Tert-amyl methyl ether          | 73  |           | 7.098         |               |    |          |              | ND             |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 99 | 2247749  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  |           | 7.336         |               |    |          |              | ND             | U     |
| 63 n-Butanol                       | 56  |           | 7.702         |               |    |          |              | ND             |       |
| 64 Trichloroethene                 | 95  |           | 7.799         |               |    |          |              | ND             |       |
| 65 Methylcyclohexane               | 83  |           | 8.110         |               |    |          |              | ND             |       |
| 66 1,2-Dichloropropane             | 63  |           | 8.134         |               |    |          |              | ND             |       |
| 68 1,4-Dioxane                     | 88  |           | 8.232         |               |    |          |              | ND             |       |
| 67 Methyl methacrylate             | 69  |           | 8.232         |               |    |          |              | ND             |       |
| 69 Dibromomethane                  | 93  |           | 8.250         |               |    |          |              | ND             |       |
| 70 n-Propyl acetate                | 43  |           | 8.329         |               |    |          |              | ND             |       |
| 71 Dichlorobromomethane            | 83  |           | 8.488         |               |    |          |              | ND             |       |
| 72 2-Nitropropane                  | 41  |           | 8.756         |               |    |          |              | ND             |       |
| 73 2-Chloroethyl vinyl ether       | 63  |           | 8.878         |               |    |          |              | ND             |       |
| 75 1-Bromo-2-chloroethane          | 63  |           | 8.884         |               |    |          |              | ND             |       |
| 76 cis-1,3-Dichloropropene         | 75  |           | 9.055         |               |    |          |              | ND             |       |
| 74 Chloroacetonitrile              | 75  |           | 9.226         |               |    |          |              | ND             |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  |           | 9.238         |               |    |          |              | ND             |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 93 | 2219606  | 10.0         | 9.84           |       |
| 79 Toluene                         | 92  |           | 9.463         |               |    |          |              | ND             | 7     |
| 97 trans-1,3-Dichloropropene       | 75  |           | 9.744         |               |    |          |              | ND             |       |
| 99 Ethyl methacrylate              | 69  |           | 9.817         |               |    |          |              | ND             |       |
| 100 1,1,2-Trichloroethane          | 97  |           | 9.951         |               |    |          |              | ND             |       |
| 101 Tetrachloroethene              | 166 |           | 10.043        |               |    |          |              | ND             |       |
| S 98 1,3-Dichloropropene, Total    | 100 |           | 10.060        |               |    |          |              | ND             | 7     |
| 102 1,3-Dichloropropane            | 76  |           | 10.122        |               |    |          |              | ND             |       |
| 103 2-Hexanone                     | 43  |           | 10.177        |               |    |          |              | ND             |       |
| 104 n-Butyl acetate                | 43  |           | 10.323        |               |    |          |              | ND             |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 105 Chlorodibromomethane           | 129 |           | 10.341        |               |    |          |              | ND             |       |
| 106 Ethylene Dibromide             | 107 |           | 10.457        |               |    |          |              | ND             |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1712220  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  |           | 10.920        |               |    |          |              | ND             | 7     |
| 109 Chlorobenzene                  | 112 |           | 10.927        |               |    |          |              | ND             |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 |           | 11.012        |               |    |          |              | ND             |       |
| 112 Ethylbenzene                   | 91  |           | 11.018        |               |    |          |              | ND             |       |
| 113 m-Xylene & p-Xylene            | 106 |           | 11.140        |               |    |          |              | ND             |       |
| S 110 Xylenes, Total               | 106 |           | 11.245        |               |    |          |              | ND             | 7     |
| 114 o-Xylene                       | 106 |           | 11.469        |               |    |          |              | ND             |       |
| 115 Styrene                        | 104 |           | 11.487        |               |    |          |              | ND             |       |
| 116 Bromoform                      | 173 |           | 11.646        |               |    |          |              | ND             |       |
| 117 Isopropylbenzene               | 105 |           | 11.780        |               |    |          |              | ND             |       |
| 118 cis-1,4-Dichloro-2-butene      | 88  |           | 11.804        |               |    |          |              | ND             |       |
| 119 Cyclohexanone                  | 55  |           | 11.829        |               |    |          |              | ND             |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 783075   | 10.0         | 9.48           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  |           | 12.030        |               |    |          |              | ND             |       |
| 122 Bromobenzene                   | 156 |           | 12.036        |               |    |          |              | ND             |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  |           | 12.054        |               |    |          |              | ND             |       |
| 124 1,2,3-Trichloropropane         | 110 |           | 12.073        |               |    |          |              | ND             |       |
| 125 N-Propylbenzene                | 91  |           | 12.109        |               |    |          |              | ND             |       |
| 126 2-Chlorotoluene                | 126 |           | 12.188        |               |    |          |              | ND             |       |
| 127 1,3,5-Trimethylbenzene         | 105 |           | 12.249        |               |    |          |              | ND             |       |
| 128 4-Chlorotoluene                | 126 |           | 12.280        |               |    |          |              | ND             |       |
| 129 tert-Butylbenzene              | 134 |           | 12.493        |               |    |          |              | ND             |       |
| 130 Pentachloroethane              | 167 |           | 12.524        |               |    |          |              | ND             |       |
| 131 1,2,4-Trimethylbenzene         | 105 |           | 12.536        |               |    |          |              | ND             |       |
| 132 sec-Butylbenzene               | 105 |           | 12.658        |               |    |          |              | ND             |       |
| 133 1,3-Dichlorobenzene            | 146 |           | 12.755        |               |    |          |              | ND             | 7     |
| 134 4-Isopropyltoluene             | 119 |           | 12.768        |               |    |          |              | ND             | 7     |
| * 135 1,4-Dichlorobenzene-d4       | 152 | 12.816    | 12.810        | 0.006         | 94 | 933288   | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene            | 146 |           | 12.829        |               |    |          |              | ND             | 7     |
| 137 1,2,3-Trimethylbenzene         | 120 |           | 12.841        |               |    |          |              | ND             | 7     |
| 138 Benzyl chloride                | 126 |           | 12.908        |               |    |          |              | ND             |       |
| 139 n-Butylbenzene                 | 92  |           | 13.060        |               |    |          |              | ND             |       |
| 140 1,2-Dichlorobenzene            | 146 |           | 13.091        |               |    |          |              | ND             |       |
| 141 Hexachloroethane               | 117 |           | 13.542        |               |    |          |              | ND             |       |
| 142 1,2-Dibromo-3-Chloropropane    | 155 |           | 13.633        |               |    |          |              | ND             |       |
| 143 1,3,5-Trichlorobenzene         | 180 |           | 13.761        |               |    |          |              | ND             |       |
| 144 1,2,4-Trichlorobenzene         | 180 |           | 14.182        |               |    |          |              | ND             |       |
| 145 Hexachlorobutadiene            | 225 | 14.273    | 14.267        | 0.006         | 88 | 4024     |              | 0.0805         |       |
| 146 Naphthalene                    | 128 |           | 14.359        |               |    |          |              | ND             |       |
| 147 1,2,3-Trichlorobenzene         | 180 |           | 14.505        |               |    |          |              | ND             |       |
| 148 Dodecane                       | 57  |           | 0.000         |               |    |          |              | ND             |       |
| 155 2-Methylnaphthalene            | 142 |           | 0.000         |               |    |          |              | ND             |       |
| 154 1,1-Dichloro-1-fluoroethane    | 1   |           | 0.000         |               |    |          |              | ND             |       |
| 153 1-Bromo-3-Chloropropane        | 1   |           | 0.000         |               |    |          |              | ND             |       |
| 152 n-Decane                       | 57  |           | 0.000         |               |    |          |              | ND             |       |
| 151 1,1-Dichloroacetone            | 1   |           | 0.000         |               |    |          |              | ND             |       |
| 226 C4-C10                         | 1   |           | 0.000         |               |    |          |              | ND             |       |
| 227 sec-Butyl Alcohol TIC          | 1   |           | 0.000         |               |    |          |              | ND             |       |
| 157 t-Amyl alcohol                 | 1   |           | 0.000         |               |    |          |              | ND             |       |



| Compound                             | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|--------------------------------------|-----|-----------|---------------|---------------|---|----------|--------------|----------------|-------|
| 156 p-Diethylbenzene                 | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 228 1,1,1,2-Tetrafluoroethane TIC    | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 231 C6-C10                           | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 232 Dimethylformamide TIC            | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 233 3-Pentanone TIC                  | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 234 Isooctane TIC                    | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 235 C7-C12                           | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 158 Methylal                         | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 236 C5-C12                           | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 229 C6-C12                           | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 230 Gasoline (Unleaded)              | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 159 tert-Butyl Formate               | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 223 1,1,2-Trifluoroethane TIC        | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 164 1-Chloropropane                  | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 221 1,1,1-Trichloro-2,2,2-trifluoroe | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 163 Propene oxide                    | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 162 Chlorotrifluoroethene            | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 222 Vinyl Fluoride TIC               | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 225 1,1-Dichloro-1-fluoroethane TIC  | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 218 Fluoromethane TIC                | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 160 2-Bromo-1-chloropropane          | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 219 1,1,1-Trifluoro-2,2-dichloroetha | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 220 1,2-Dichlorofluoroethane TIC     | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 213 Chlorofluoromethane TIC          | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 216 Ethyl ether TIC                  | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 217 Freon 115 TIC                    | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 165 Isopropyl alcohol                | 45  |           | 0.000         |               |   |          |              | ND             |       |
| 150 2-ethoxy-2-methyl butane         | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 149 2-Chloro-1,1,1-Trifluoroethane   | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 161 Pentane                          | 43  |           | 0.000         |               |   |          |              | ND             |       |
| 237 C4-C12                           | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 214 Dichloro-1,1,2,2-tetrafluoroetha | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 215 1-Chloro-1,1-difluoroethane TIC  | 1   |           | 0.000         |               |   |          |              | ND             |       |
| 166 Ethanol                          | 45  |           | 3.269         |               |   |          |              | ND             |       |

### QC Flag Legend

#### Processing Flags

7 - Failed Limit of Detection

#### Review Flags

U - Marked Undetected

### Reagents:

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

Report Date: 03-Jul-2025 14:55:40

Chrom Revision: 2.3 14-Jun-2025 12:06:34

Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X06.D

Injection Date: 03-Jul-2025 10:40:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: MB

Worklist Smp#: 7

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

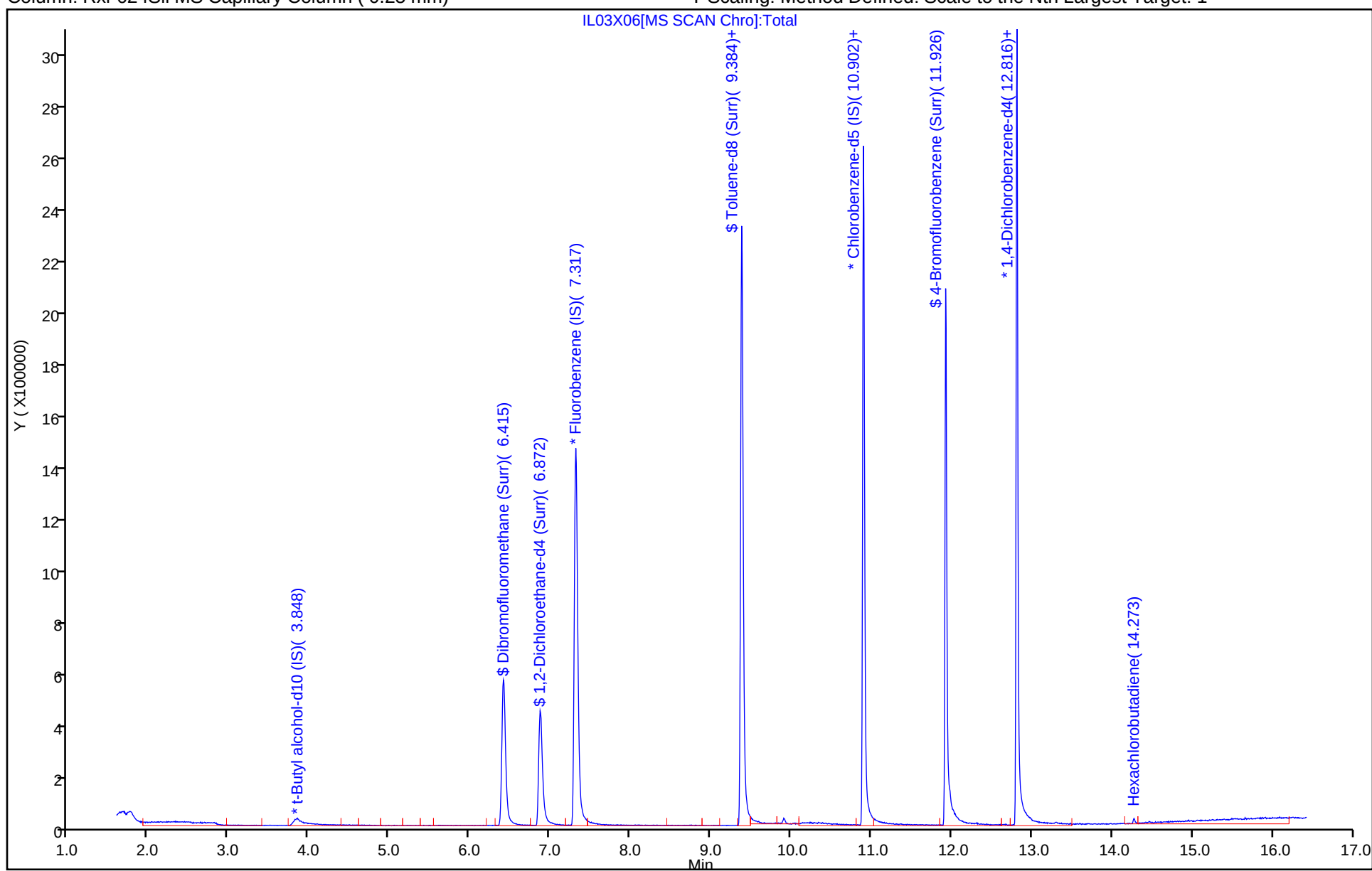
ALS Bottle#: 6

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X06.D  
Lims ID: MB  
Client ID:  
Sample Type: MB  
Inject. Date: 03-Jul-2025 10:40:30 ALS Bottle#: 6 Worklist Smp#: 7  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-007  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 03-Jul-2025 14:55:02 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1707

First Level Reviewer: N7YK

Date: 03-Jul-2025 12:49:59

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.7             | 106.80 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.0             | 109.52 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 9.84             | 98.40  |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.48             | 94.79  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCS 410-666534/4

Matrix: Water

Lab File ID: IL03X03.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 09:39

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q | RL   | MDL   |
|------------|-----------------------------|--------|---|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | 4.49   |   | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | 4.51   |   | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 4.05   |   | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | 4.43   |   | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | 4.50   |   | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | 4.70   |   | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | 4.33   |   | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | 4.21   |   | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | 4.40   |   | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | 52.0   |   | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | 55.4   |   | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | 55.5   |   | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | 45.9   |   | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | 4.35   |   | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | 4.46   |   | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | 4.29   |   | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | 4.27   |   | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | 3.96   |   | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | 4.12   |   | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | 4.54   |   | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | 4.41   |   | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | 4.03   |   | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 4.39   |   | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | 3.75   |   | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 4.77   |   | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 4.08   |   | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | 4.26   |   | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | 4.41   |   | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | 4.17   |   | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | 4.57   |   | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | 4.92   |   | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | 4.32   |   | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_      Lab Sample ID: LCS 410-666534/4

Matrix: Water      Lab File ID: IL03X03.D

Analysis Method: 8260D      Date Collected: \_\_\_\_\_

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 09:39

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m      ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N      pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 4.49   |   | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | 4.68   |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | 4.33   |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 4.22   |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | 4.31   |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | 13.6   |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 105  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 100  |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 103  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 105  |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X03.D  
 Lims ID: LCS  
 Client ID:  
 Sample Type: LCS  
 Inject. Date: 03-Jul-2025 09:39:30 ALS Bottle#: 3 Worklist Smp#: 4  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-004  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 03-Jul-2025 14:55:02 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1707

First Level Reviewer: N7YK

Date: 03-Jul-2025 10:26:45

| Compound                                 | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane                | 85  | 1.806     | 1.800         | 0.006         | 100 | 380957   | 5.00         | 3.88           |       |
| 4 Chloromethane                          | 50  | 1.983     | 1.983         | 0.000         | 99  | 474006   | 5.00         | 3.75           |       |
| 6 Butadiene                              | 39  | 2.087     | 2.081         | 0.006         | 91  | 569216   | 5.00         | 3.82           |       |
| 5 Vinyl chloride                         | 62  | 2.087     | 2.087         | 0.000         | 98  | 457778   | 5.00         | 4.31           |       |
| 7 Bromomethane                           | 94  | 2.404     | 2.398         | 0.006         | 91  | 344677   | 5.00         | 3.96           |       |
| 8 Chloroethane                           | 64  | 2.452     | 2.453         | -0.001        | 100 | 273311   | 5.00         | 4.03           |       |
| 9 Dichlorofluoromethane                  | 67  | 2.672     | 2.672         | 0.000         | 97  | 734008   | 5.00         | 3.76           |       |
| 10 Trichlorofluoromethane                | 101 | 2.751     | 2.745         | 0.006         | 66  | 582598   | 5.00         | 4.35           | M     |
| 13 1,2-Dichloro-1,1,2-trifluoroethane    | 67  | 3.025     | 3.020         | 0.005         | 91  | 417305   | 5.00         | 4.41           |       |
| 15 1,1-Dichloroethene                    | 96  | 3.227     | 3.221         | 0.006         | 98  | 331296   | 5.00         | 4.70           |       |
| 16 Acetone                               | 43  | 3.251     | 3.239         | 0.012         | 100 | 550601   | 62.5         | 45.9           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroethane | 101 | 3.269     | 3.263         | 0.006         | 91  | 313470   | 5.00         | 3.91           |       |
| 18 Iodomethane                           | 142 | 3.410     | 3.398         | 0.012         | 98  | 567959   | 5.00         | 3.89           |       |
| 20 Carbon disulfide                      | 76  | 3.507     | 3.501         | 0.006         | 99  | 938309   | 5.00         | 4.12           |       |
| 23 Methyl acetate                        | 43  | 3.647     | 3.623         | 0.024         | 36  | 122115   | 5.00         | 4.18           |       |
| 24 3-Chloro-1-propene                    | 41  | 3.653     | 3.647         | 0.006         | 93  | 464500   | 5.00         | 4.04           |       |
| 25 Methylene Chloride                    | 84  | 3.818     | 3.818         | 0.000         | 91  | 378770   | 5.00         | 4.57           |       |
| * 26 t-Butyl alcohol-d10 (IS)            | 65  | 3.836     | 3.830         | 0.006         | 97  | 182731   | 50.0         | 50.0           | M     |
| 27 2-Methyl-2-propanol                   | 59  | 3.958     | 3.934         | 0.024         | 92  | 163849   | 50.0         | 38.9           |       |
| 28 Acrylonitrile                         | 53  | 4.135     | 4.117         | 0.018         | 98  | 295730   | 25.0         | 20.6           |       |
| 29 Methyl tert-butyl ether               | 73  | 4.184     | 4.184         | 0.000         | 96  | 824899   | 5.00         | 4.17           |       |
| 30 trans-1,2-Dichloroethene              | 96  | 4.208     | 4.196         | 0.012         | 100 | 366210   | 5.00         | 4.68           |       |
| 31 Hexane                                | 57  | 4.623     | 4.611         | 0.012         | 93  | 413884   | 5.00         | 3.78           |       |
| 32 1,1-Dichloroethane                    | 63  | 4.854     | 4.848         | 0.006         | 96  | 677556   | 5.00         | 4.50           |       |
| 35 Isopropyl ether                       | 45  | 4.915     | 4.916         | -0.001        | 92  | 977900   | 5.00         | 4.05           |       |
| 36 2-Chloro-1,3-butadiene                | 53  | 4.970     | 4.964         | 0.006         | 90  | 498585   | 5.00         | 4.26           |       |
| 37 Tert-butyl ethyl ether                | 59  | 5.464     | 5.458         | 0.006         | 96  | 917282   | 5.00         | 4.06           |       |
| 38 2-Butanone (MEK)                      | 43  | 5.671     | 5.659         | 0.012         | 99  | 1052882  | 62.5         | 52.0           |       |
| 39 cis-1,2-Dichloroethene                | 96  | 5.702     | 5.696         | 0.006         | 81  | 416824   | 5.00         | 4.77           |       |
| 40 2,2-Dichloropropane                   | 77  | 5.714     | 5.708         | 0.006         | 75  | 552260   | 5.00         | 4.46           |       |
| 43 Propionitrile                         | 54  | 5.787     | 5.757         | 0.030         | 95  | 163893   | 37.5         | 30.4           |       |
| 45 Methacrylonitrile                     | 67  | 5.982     | 5.970         | 0.012         | 90  | 713322   | 37.5         | 34.5           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 46 Chlorobromomethane              | 128 | 6.037     | 6.031         | 0.006         | 90 | 189138   | 5.00         | 4.46           |       |
| 47 Tetrahydrofuran                 | 71  | 6.055     | 6.049         | 0.006         | 77 | 136345   | 25.0         | 22.5           |       |
| 48 Chloroform                      | 83  | 6.196     | 6.190         | 0.006         | 93 | 672834   | 5.00         | 4.39           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 94 | 638163   | 10.0         | 10.3           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.415     | 6.415         | 0.000         | 98 | 592491   | 5.00         | 4.51           |       |
| 51 Cyclohexane                     | 56  | 6.525     | 6.519         | 0.006         | 89 | 542495   | 5.00         | 4.01           |       |
| 54 Carbon tetrachloride            | 117 | 6.635     | 6.635         | 0.000         | 97 | 522839   | 5.00         | 4.54           |       |
| 53 1,1-Dichloropropene             | 75  | 6.641     | 6.635         | 0.006         | 98 | 491140   | 5.00         | 4.22           |       |
| 55 Isobutyl alcohol                | 41  | 6.811     | 6.805         | 0.006         | 94 | 137377   | 125.0        | 92.8           |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.872     | 6.866         | 0.006         | 86 | 132395   | 10.0         | 10.5           |       |
| 57 Benzene                         | 78  | 6.903     | 6.897         | 0.006         | 96 | 1514010  | 5.00         | 4.35           |       |
| 58 1,2-Dichloroethane              | 62  | 6.982     | 6.976         | 0.006         | 97 | 419113   | 5.00         | 4.21           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.098     | 7.098         | 0.000         | 98 | 913717   | 5.00         | 4.40           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 98 | 2520244  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.342     | 7.336         | 0.006         | 90 | 467298   | 5.00         | 4.34           |       |
| 63 n-Butanol                       | 56  | 7.732     | 7.702         | 0.030         | 92 | 220000   | 250.0        | 189.3          |       |
| 64 Trichloroethene                 | 95  | 7.811     | 7.799         | 0.012         | 98 | 388941   | 5.00         | 4.22           |       |
| 65 Methylcyclohexane               | 83  | 8.110     | 8.110         | 0.000         | 92 | 588991   | 5.00         | 4.07           |       |
| 66 1,2-Dichloropropane             | 63  | 8.134     | 8.134         | 0.000         | 97 | 403791   | 5.00         | 4.40           |       |
| 68 1,4-Dioxane                     | 88  | 8.256     | 8.232         | 0.024         | 33 | 37248    | 125.0        | 117.2          | M     |
| 67 Methyl methacrylate             | 69  | 8.244     | 8.232         | 0.012         | 89 | 165576   | 5.00         | 4.59           |       |
| 69 Dibromomethane                  | 93  | 8.250     | 8.250         | 0.000         | 97 | 193804   | 5.00         | 4.27           |       |
| 71 Dichlorobromomethane            | 83  | 8.494     | 8.488         | 0.006         | 99 | 477171   | 5.00         | 4.29           |       |
| 72 2-Nitropropane                  | 41  | 8.756     | 8.756         | 0.000         | 98 | 49891    | 5.00         | 3.70           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.890     | 8.884         | 0.006         | 99 | 400910   | 5.00         | 4.23           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.061     | 9.055         | 0.006         | 96 | 506342   | 5.00         | 4.08           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.244     | 9.238         | 0.006         | 96 | 3006111  | 62.5         | 55.5           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 93 | 2602621  | 10.0         | 10.5           |       |
| 79 Toluene                         | 92  | 9.463     | 9.463         | 0.000         | 98 | 979584   | 5.00         | 4.49           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.750     | 9.744         | 0.006         | 91 | 447501   | 5.00         | 4.33           |       |
| 99 Ethyl methacrylate              | 69  | 9.823     | 9.817         | 0.006         | 88 | 358388   | 5.00         | 4.20           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.951     | 9.951         | 0.000         | 91 | 288308   | 5.00         | 4.43           |       |
| 101 Tetrachloroethene              | 166 | 10.042    | 10.043        | -0.001        | 98 | 458473   | 5.00         | 4.32           |       |
| 102 1,3-Dichloropropane            | 76  | 10.122    | 10.122        | 0.000         | 89 | 483653   | 5.00         | 4.32           |       |
| 103 2-Hexanone                     | 43  | 10.183    | 10.177        | 0.006         | 96 | 2108478  | 62.5         | 55.4           |       |
| 105 Chlorodibromomethane           | 129 | 10.347    | 10.341        | 0.006         | 90 | 342625   | 5.00         | 4.26           |       |
| 106 Ethylene Dibromide             | 107 | 10.457    | 10.457        | 0.000         | 99 | 266631   | 5.00         | 4.33           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1879658  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.920    | 10.920        | 0.000         | 97 | 498995   | 5.00         | 4.18           |       |
| 109 Chlorobenzene                  | 112 | 10.932    | 10.927        | 0.005         | 96 | 1131587  | 5.00         | 4.41           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.012    | 11.012        | 0.000         | 96 | 396687   | 5.00         | 4.49           |       |
| 112 Ethylbenzene                   | 91  | 11.018    | 11.018        | 0.000         | 98 | 1877478  | 5.00         | 4.41           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.140    | 11.140        | 0.000         | 93 | 1516361  | 10.0         | 9.14           |       |
| 114 o-Xylene                       | 106 | 11.475    | 11.469        | 0.006         | 96 | 710615   | 5.00         | 4.48           |       |
| 115 Styrene                        | 104 | 11.493    | 11.487        | 0.006         | 95 | 1219268  | 5.00         | 4.92           |       |
| 116 Bromoform                      | 173 | 11.652    | 11.646        | 0.006         | 97 | 201574   | 5.00         | 4.27           |       |
| 117 Isopropylbenzene               | 105 | 11.780    | 11.780        | 0.000         | 96 | 1865273  | 5.00         | 5.08           |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 905089   | 10.0         | 9.98           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.030    | 12.030        | 0.000         | 94 | 373530   | 5.00         | 4.05           |       |
| 122 Bromobenzene                   | 156 | 12.042    | 12.036        | 0.006         | 94 | 471767   | 5.00         | 4.29           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.054    | 12.054        | 0.000         | 92 | 351207   | 25.0         | 18.8           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.073    | 12.073        | -0.001        | 80 | 96201    | 5.00         | 3.86           |       |

| Compound                        | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 125 N-Propylbenzene             | 91  | 12.115    | 12.109        | 0.006         | 99 | 2254506  | 5.00         | 4.35           |       |
| 126 2-Chlorotoluene             | 126 | 12.188    | 12.188        | 0.000         | 97 | 471404   | 5.00         | 4.28           |       |
| 127 1,3,5-Trimethylbenzene      | 105 | 12.249    | 12.249        | 0.000         | 94 | 1655266  | 5.00         | 4.50           |       |
| 128 4-Chlorotoluene             | 126 | 12.280    | 12.280        | 0.000         | 97 | 491463   | 5.00         | 4.35           |       |
| 129 tert-Butylbenzene           | 134 | 12.493    | 12.493        | 0.000         | 93 | 336743   | 5.00         | 3.91           |       |
| 131 1,2,4-Trimethylbenzene      | 105 | 12.536    | 12.536        | 0.000         | 98 | 1687085  | 5.00         | 4.55           |       |
| 132 sec-Butylbenzene            | 105 | 12.658    | 12.658        | 0.000         | 94 | 2144585  | 5.00         | 4.48           |       |
| 133 1,3-Dichlorobenzene         | 146 | 12.755    | 12.755        | 0.000         | 98 | 940385   | 5.00         | 4.46           |       |
| 134 4-Isopropyltoluene          | 119 | 12.767    | 12.768        | -0.001        | 97 | 1834708  | 5.00         | 4.55           |       |
| * 135 1,4-Dichlorobenzene-d4    | 152 | 12.810    | 12.810        | 0.000         | 94 | 1126640  | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene         | 146 | 12.828    | 12.829        | -0.001        | 95 | 985260   | 5.00         | 4.34           |       |
| 137 1,2,3-Trimethylbenzene      | 120 | 12.841    | 12.841        | 0.000         | 98 | 767446   | 5.00         | 4.36           |       |
| 138 Benzyl chloride             | 126 | 12.908    | 12.908        | 0.000         | 98 | 153683   | 5.00         | 4.72           |       |
| 139 n-Butylbenzene              | 92  | 13.060    | 13.060        | 0.000         | 97 | 939421   | 5.00         | 4.57           |       |
| 140 1,2-Dichlorobenzene         | 146 | 13.091    | 13.091        | 0.000         | 99 | 896604   | 5.00         | 4.40           |       |
| 142 1,2-Dibromo-3-Chloropropane | 155 | 13.639    | 13.633        | 0.006         | 87 | 49643    | 5.00         | 4.00           |       |
| 143 1,3,5-Trichlorobenzene      | 180 | 13.761    | 13.761        | 0.000         | 97 | 706516   | 5.00         | 4.60           |       |
| 144 1,2,4-Trichlorobenzene      | 180 | 14.188    | 14.182        | 0.006         | 94 | 582805   | 5.00         | 4.65           |       |
| 145 Hexachlorobutadiene         | 225 | 14.267    | 14.267        | 0.000         | 96 | 319178   | 5.00         | 5.29           |       |
| 146 Naphthalene                 | 128 | 14.365    | 14.359        | 0.006         | 97 | 1132619  | 5.00         | 4.63           |       |
| 147 1,2,3-Trichlorobenzene      | 180 | 14.505    | 14.505        | 0.000         | 95 | 550575   | 5.00         | 4.82           |       |
| 155 2-Methylnaphthalene         | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 156 p-Diethylbenzene            | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol           | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane    | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                     | 43  |           | 0.000         |               |    |          | ND           | ND             |       |

**QC Flag Legend**

## Processing Flags

ND - Not Detected or Marked ND

## Review Flags

M - Manually Integrated

**Reagents:**

MSV\_LCS\_VOC#1\_00226

Amount Added: 12.50

Units: uL

MSV\_QC\_Gas826\_00267

Amount Added: 12.50

Units: uL

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent



Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X03.D

Injection Date: 03-Jul-2025 09:39:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: LCS

Worklist Smp#: 4

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

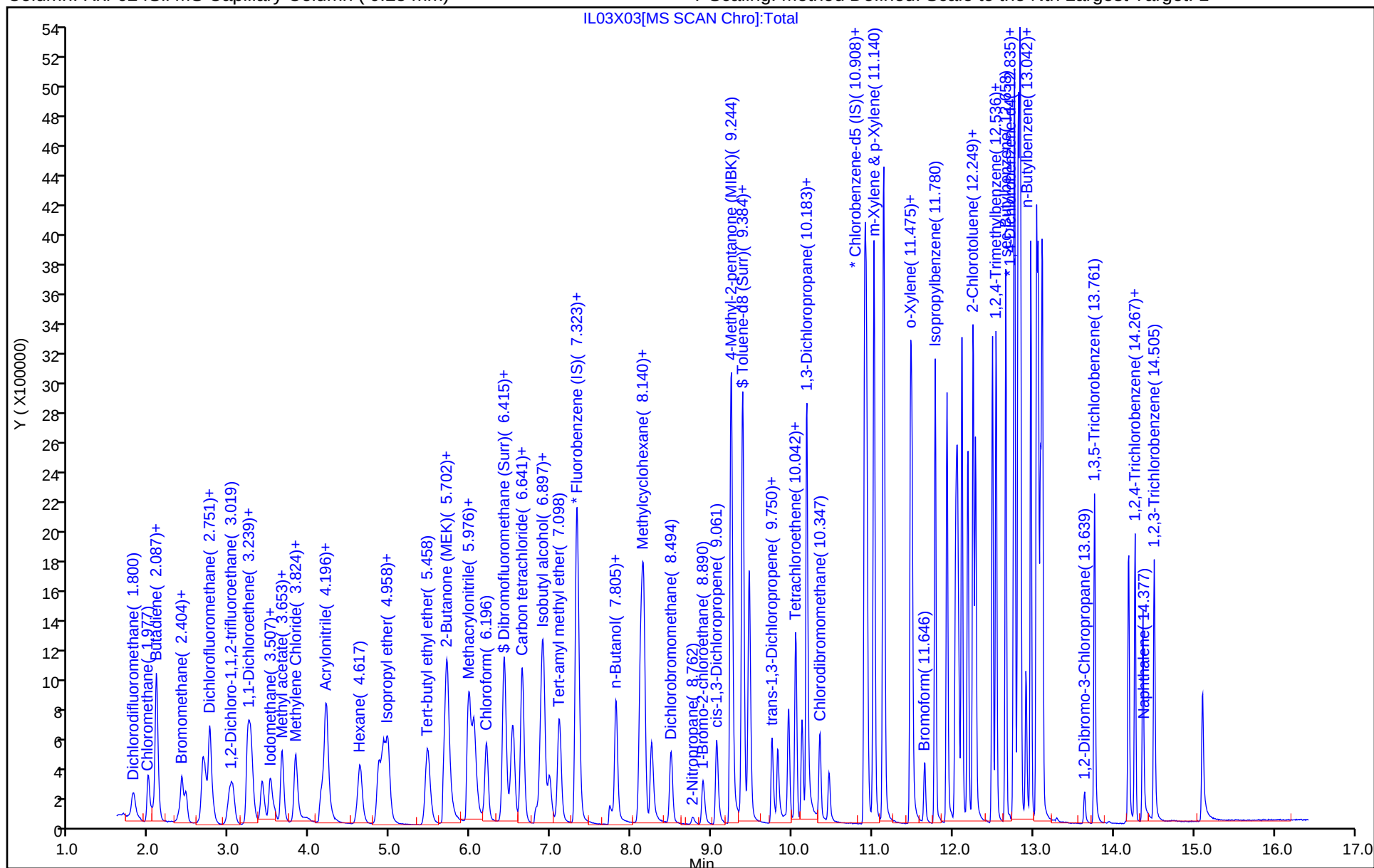
ALS Bottle#: 3

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X03.D  
Lims ID: LCS  
Client ID:  
Sample Type: LCS  
Inject. Date: 03-Jul-2025 09:39:30 ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-004  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 03-Jul-2025 14:55:02 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1707

First Level Reviewer: N7YK

Date: 03-Jul-2025 10:26:45

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.3             | 102.51 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 10.5             | 104.87 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 10.5             | 105.10 |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 9.98             | 99.80  |

## Eurofins Lancaster Laboratories Environment Testing, LLC

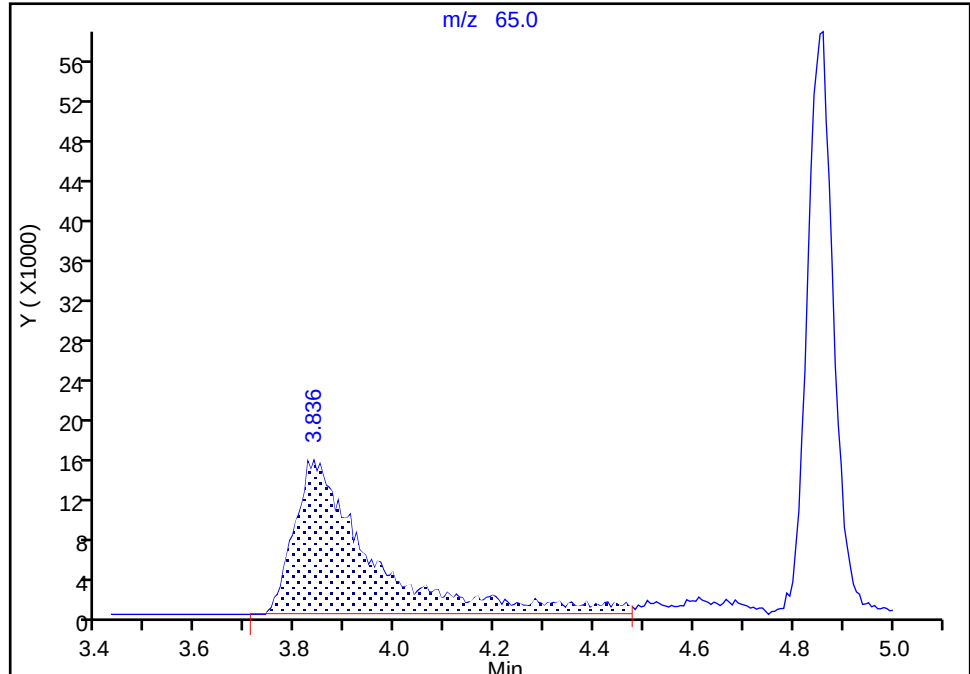
Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X03.D  
Injection Date: 03-Jul-2025 09:39:30 Instrument ID: 19930  
Lims ID: LCS  
Client ID:  
Operator ID: ecr105096 ALS Bottle#: 3 Worklist Smp#: 4  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

\* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

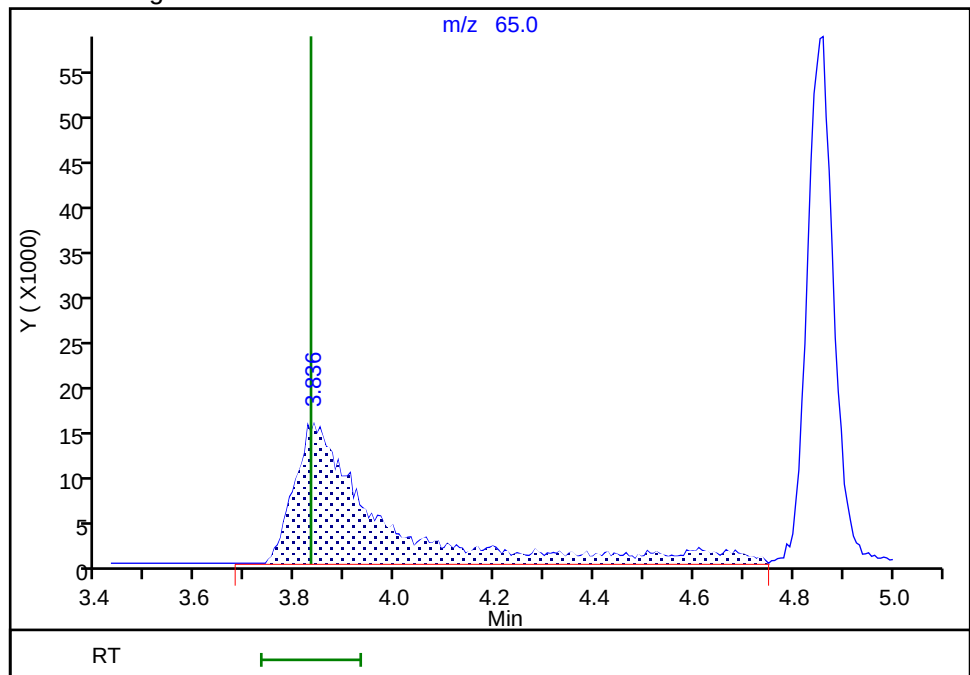
RT: 3.84  
Area: 166465  
Amount: 50.000000  
Amount Units: ug/l

## Processing Integration Results



RT: 3.84  
Area: 182731  
Amount: 50.000000  
Amount Units: ug/l

## Manual Integration Results



Reviewer: N7YK, 03-Jul-2025 10:25:52 -04:00:00 (UTC)

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID:

Lab Sample ID: LCSD 410-666534/5

Matrix: Water

Lab File ID: IL03X04.D

Analysis Method: 8260D

Date Collected:

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 09:59

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q | RL   | MDL   |
|------------|-----------------------------|--------|---|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | 4.58   |   | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | 4.52   |   | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 4.11   |   | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | 4.64   |   | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | 4.58   |   | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | 4.76   |   | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | 4.48   |   | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | 4.29   |   | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | 4.40   |   | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | 47.1   |   | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | 48.7   |   | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | 48.6   |   | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | 40.8   |   | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | 4.45   |   | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | 4.42   |   | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | 4.36   |   | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | 4.42   |   | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | 3.98   |   | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | 4.10   |   | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | 4.55   |   | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | 4.45   |   | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | 4.05   |   | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 4.38   |   | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | 3.64   |   | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 4.79   |   | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 4.20   |   | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | 4.37   |   | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | 4.50   |   | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | 4.35   |   | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | 4.63   |   | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | 4.99   |   | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | 4.29   |   | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories      Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: \_\_\_\_\_      Lab Sample ID: LCSD 410-666534/5

Matrix: Water      Lab File ID: IL03X04.D

Analysis Method: 8260D      Date Collected: \_\_\_\_\_

Sample wt/vol: 25 (mL)      Date Analyzed: 07/03/2025 09:59

Soil Aliquot Vol: \_\_\_\_\_      Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_      GC Column: R-624SilMS 30m      ID: 0.25 (mm)

Purge Volume: 25.0 (mL)      Heated Purge: (Y/N) N      pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_      % Solids: \_\_\_\_\_      Level: (low/med) Low

Analysis Batch No.: 666534      Units: ug/L

Preparation Batch No.: \_\_\_\_\_      Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 4.55   |   | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | 4.72   |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | 4.33   |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 4.28   |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | 4.29   |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | 14.0   |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 111  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 102  |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 100  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 104  |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X04.D  
 Lims ID: LCSD  
 Client ID:  
 Sample Type: LCSD  
 Inject. Date: 03-Jul-2025 09:59:30 ALS Bottle#: 4 Worklist Smp#: 5  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-005  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 03-Jul-2025 14:55:02 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1707

First Level Reviewer: N7YK

Date: 03-Jul-2025 10:28:48

| Compound                                 | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane                | 85  | 1.800     | 1.800         | 0.000         | 99  | 382752   | 5.00         | 3.90           |       |
| 4 Chloromethane                          | 50  | 1.989     | 1.983         | 0.006         | 99  | 459581   | 5.00         | 3.64           |       |
| 6 Butadiene                              | 39  | 2.093     | 2.081         | 0.012         | 90  | 568084   | 5.00         | 3.82           |       |
| 5 Vinyl chloride                         | 62  | 2.093     | 2.087         | 0.006         | 90  | 455593   | 5.00         | 4.29           |       |
| 7 Bromomethane                           | 94  | 2.404     | 2.398         | 0.006         | 90  | 346471   | 5.00         | 3.98           |       |
| 8 Chloroethane                           | 64  | 2.459     | 2.453         | 0.006         | 99  | 274667   | 5.00         | 4.05           |       |
| 9 Dichlorofluoromethane                  | 67  | 2.678     | 2.672         | 0.006         | 97  | 748494   | 5.00         | 3.83           |       |
| 10 Trichlorofluoromethane                | 101 | 2.757     | 2.745         | 0.012         | 98  | 601786   | 5.00         | 4.49           | M     |
| 13 1,2-Dichloro-1,1,2-trifluoroethane    | 67  | 3.026     | 3.020         | 0.006         | 91  | 422134   | 5.00         | 4.46           |       |
| 15 1,1-Dichloroethene                    | 96  | 3.227     | 3.221         | 0.006         | 98  | 335332   | 5.00         | 4.76           |       |
| 16 Acetone                               | 43  | 3.257     | 3.239         | 0.018         | 100 | 606860   | 62.5         | 40.8           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroethane | 101 | 3.270     | 3.263         | 0.007         | 91  | 313864   | 5.00         | 3.92           |       |
| 18 Iodomethane                           | 142 | 3.410     | 3.398         | 0.012         | 100 | 574422   | 5.00         | 3.93           |       |
| 20 Carbon disulfide                      | 76  | 3.507     | 3.501         | 0.006         | 99  | 932781   | 5.00         | 4.10           |       |
| 23 Methyl acetate                        | 43  | 3.648     | 3.623         | 0.025         | 30  | 127959   | 5.00         | 3.53           | M     |
| 24 3-Chloro-1-propene                    | 41  | 3.654     | 3.647         | 0.007         | 93  | 474342   | 5.00         | 4.13           |       |
| 25 Methylene Chloride                    | 84  | 3.824     | 3.818         | 0.006         | 90  | 383596   | 5.00         | 4.63           |       |
| * 26 t-Butyl alcohol-d10 (IS)            | 65  | 3.837     | 3.830         | 0.006         | 96  | 226408   | 50.0         | 50.0           | M     |
| 27 2-Methyl-2-propanol                   | 59  | 3.946     | 3.934         | 0.012         | 100 | 183462   | 50.0         | 35.1           |       |
| 28 Acrylonitrile                         | 53  | 4.129     | 4.117         | 0.012         | 99  | 329151   | 25.0         | 18.5           |       |
| 29 Methyl tert-butyl ether               | 73  | 4.190     | 4.184         | 0.006         | 95  | 859231   | 5.00         | 4.35           |       |
| 30 trans-1,2-Dichloroethene              | 96  | 4.208     | 4.196         | 0.012         | 100 | 369180   | 5.00         | 4.72           |       |
| 31 Hexane                                | 57  | 4.629     | 4.611         | 0.018         | 92  | 408293   | 5.00         | 3.73           |       |
| 32 1,1-Dichloroethane                    | 63  | 4.848     | 4.848         | 0.000         | 96  | 688009   | 5.00         | 4.58           |       |
| 35 Isopropyl ether                       | 45  | 4.916     | 4.916         | 0.000         | 92  | 995188   | 5.00         | 4.12           |       |
| 36 2-Chloro-1,3-butadiene                | 53  | 4.977     | 4.964         | 0.013         | 90  | 504460   | 5.00         | 4.31           |       |
| 37 Tert-butyl ethyl ether                | 59  | 5.464     | 5.458         | 0.006         | 97  | 949415   | 5.00         | 4.21           |       |
| 38 2-Butanone (MEK)                      | 43  | 5.672     | 5.659         | 0.013         | 99  | 1179427  | 62.5         | 47.1           |       |
| 39 cis-1,2-Dichloroethene                | 96  | 5.702     | 5.696         | 0.006         | 81  | 418534   | 5.00         | 4.79           |       |
| 40 2,2-Dichloropropane                   | 77  | 5.714     | 5.708         | 0.006         | 68  | 552115   | 5.00         | 4.46           |       |
| 43 Propionitrile                         | 54  | 5.787     | 5.757         | 0.030         | 96  | 205134   | 37.5         | 30.8           |       |
| 45 Methacrylonitrile                     | 67  | 5.976     | 5.970         | 0.006         | 90  | 723955   | 37.5         | 28.3           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 46 Chlorobromomethane              | 128 | 6.043     | 6.031         | 0.012         | 94  | 187309   | 5.00         | 4.42           | a     |
| 47 Tetrahydrofuran                 | 71  | 6.049     | 6.049         | 0.000         | 79  | 135039   | 25.0         | 17.9           |       |
| 48 Chloroform                      | 83  | 6.196     | 6.190         | 0.006         | 93  | 671975   | 5.00         | 4.38           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 93  | 622485   | 10.0         | 10.0           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.415     | 6.415         | 0.000         | 85  | 592803   | 5.00         | 4.52           |       |
| 51 Cyclohexane                     | 56  | 6.525     | 6.519         | 0.006         | 90  | 546543   | 5.00         | 4.04           |       |
| 54 Carbon tetrachloride            | 117 | 6.641     | 6.635         | 0.006         | 96  | 523882   | 5.00         | 4.55           |       |
| 53 1,1-Dichloropropene             | 75  | 6.641     | 6.635         | 0.006         | 98  | 503616   | 5.00         | 4.32           |       |
| 55 Isobutyl alcohol                | 41  | 6.812     | 6.805         | 0.007         | 94  | 152089   | 125.0        | 83.0           |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.872     | 6.866         | 0.006         | 86  | 140397   | 10.0         | 11.1           |       |
| 57 Benzene                         | 78  | 6.909     | 6.897         | 0.012         | 96  | 1550037  | 5.00         | 4.45           |       |
| 58 1,2-Dichloroethane              | 62  | 6.976     | 6.976         | 0.000         | 98  | 426681   | 5.00         | 4.29           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.104     | 7.098         | 0.006         | 98  | 935701   | 5.00         | 4.51           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.318     | 7.317         | 0.001         | 98  | 2519377  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.342     | 7.336         | 0.006         | 91  | 470326   | 5.00         | 4.37           |       |
| 63 n-Butanol                       | 56  | 7.726     | 7.702         | 0.024         | 91  | 262542   | 250.0        | 183.4          |       |
| 64 Trichloroethene                 | 95  | 7.805     | 7.799         | 0.006         | 98  | 394241   | 5.00         | 4.28           |       |
| 65 Methylcyclohexane               | 83  | 8.116     | 8.110         | 0.006         | 92  | 598981   | 5.00         | 4.15           |       |
| 66 1,2-Dichloropropane             | 63  | 8.134     | 8.134         | 0.000         | 97  | 403597   | 5.00         | 4.40           |       |
| 68 1,4-Dioxane                     | 88  | 8.238     | 8.232         | 0.006         | 35  | 46553    | 125.0        | 118.3          |       |
| 67 Methyl methacrylate             | 69  | 8.244     | 8.232         | 0.012         | 92  | 170582   | 5.00         | 3.82           |       |
| 69 Dibromomethane                  | 93  | 8.250     | 8.250         | 0.000         | 96  | 197866   | 5.00         | 4.36           |       |
| 71 Dichlorobromomethane            | 83  | 8.494     | 8.488         | 0.006         | 100 | 485333   | 5.00         | 4.36           |       |
| 72 2-Nitropropane                  | 41  | 8.762     | 8.756         | 0.006         | 99  | 52871    | 5.00         | 3.16           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.890     | 8.884         | 0.006         | 99  | 401171   | 5.00         | 4.23           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.061     | 9.055         | 0.006         | 97  | 520713   | 5.00         | 4.20           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.238     | 9.238         | 0.000         | 96  | 3256278  | 62.5         | 48.6           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 93  | 2552111  | 10.0         | 10.4           |       |
| 79 Toluene                         | 92  | 9.463     | 9.463         | 0.000         | 98  | 988027   | 5.00         | 4.55           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.750     | 9.744         | 0.006         | 92  | 445828   | 5.00         | 4.33           |       |
| 99 Ethyl methacrylate              | 69  | 9.817     | 9.817         | 0.000         | 89  | 365479   | 5.00         | 4.31           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.957     | 9.951         | 0.006         | 90  | 301024   | 5.00         | 4.64           |       |
| 101 Tetrachloroethene              | 166 | 10.043    | 10.043        | 0.000         | 98  | 453387   | 5.00         | 4.29           |       |
| 102 1,3-Dichloropropane            | 76  | 10.122    | 10.122        | 0.000         | 89  | 483479   | 5.00         | 4.34           |       |
| 103 2-Hexanone                     | 43  | 10.183    | 10.177        | 0.006         | 95  | 2299775  | 62.5         | 48.7           |       |
| 105 Chlorodibromomethane           | 129 | 10.347    | 10.341        | 0.006         | 89  | 349348   | 5.00         | 4.37           |       |
| 106 Ethylene Dibromide             | 107 | 10.457    | 10.457        | 0.000         | 98  | 274410   | 5.00         | 4.48           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85  | 1871584  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.920    | 10.920        | 0.000         | 97  | 505647   | 5.00         | 4.26           |       |
| 109 Chlorobenzene                  | 112 | 10.927    | 10.927        | 0.000         | 95  | 1137347  | 5.00         | 4.45           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.012    | 11.012        | 0.000         | 96  | 403040   | 5.00         | 4.58           |       |
| 112 Ethylbenzene                   | 91  | 11.024    | 11.018        | 0.006         | 98  | 1907437  | 5.00         | 4.50           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.140    | 11.140        | 0.000         | 93  | 1547023  | 10.0         | 9.36           |       |
| 114 o-Xylene                       | 106 | 11.475    | 11.469        | 0.006         | 96  | 725304   | 5.00         | 4.59           |       |
| 115 Styrene                        | 104 | 11.494    | 11.487        | 0.007         | 95  | 1232488  | 5.00         | 4.99           |       |
| 116 Bromoform                      | 173 | 11.646    | 11.646        | 0.000         | 97  | 208175   | 5.00         | 4.42           |       |
| 117 Isopropylbenzene               | 105 | 11.780    | 11.780        | 0.000         | 96  | 1877673  | 5.00         | 5.14           |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92  | 917836   | 10.0         | 10.2           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.030    | 12.030        | 0.000         | 93  | 385100   | 5.00         | 4.11           |       |
| 122 Bromobenzene                   | 156 | 12.042    | 12.036        | 0.006         | 95  | 472315   | 5.00         | 4.23           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.054    | 12.054        | 0.000         | 90  | 334193   | 25.0         | 14.5           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.073    | 12.073        | 0.000         | 80  | 102860   | 5.00         | 4.07           |       |

| Compound                        | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 125 N-Propylbenzene             | 91  | 12.109    | 12.109        | 0.000         | 99 | 2270301  | 5.00         | 4.32           |       |
| 126 2-Chlorotoluene             | 126 | 12.189    | 12.188        | 0.001         | 97 | 470230   | 5.00         | 4.20           |       |
| 127 1,3,5-Trimethylbenzene      | 105 | 12.249    | 12.249        | 0.000         | 94 | 1665789  | 5.00         | 4.46           |       |
| 128 4-Chlorotoluene             | 126 | 12.280    | 12.280        | 0.000         | 98 | 496352   | 5.00         | 4.32           |       |
| 129 tert-Butylbenzene           | 134 | 12.493    | 12.493        | 0.000         | 93 | 340829   | 5.00         | 3.90           |       |
| 131 1,2,4-Trimethylbenzene      | 105 | 12.536    | 12.536        | 0.000         | 97 | 1690891  | 5.00         | 4.49           |       |
| 132 sec-Butylbenzene            | 105 | 12.658    | 12.658        | 0.000         | 94 | 2156660  | 5.00         | 4.43           |       |
| 133 1,3-Dichlorobenzene         | 146 | 12.755    | 12.755        | 0.000         | 98 | 944609   | 5.00         | 4.41           |       |
| 134 4-Isopropyltoluene          | 119 | 12.768    | 12.768        | 0.000         | 97 | 1838403  | 5.00         | 4.48           |       |
| * 135 1,4-Dichlorobenzene-d4    | 152 | 12.810    | 12.810        | 0.000         | 95 | 1144462  | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene         | 146 | 12.829    | 12.829        | 0.000         | 94 | 960102   | 5.00         | 4.17           |       |
| 137 1,2,3-Trimethylbenzene      | 120 | 12.841    | 12.841        | 0.000         | 98 | 784479   | 5.00         | 4.39           |       |
| 138 Benzyl chloride             | 126 | 12.908    | 12.908        | 0.000         | 98 | 160756   | 5.00         | 4.86           |       |
| 139 n-Butylbenzene              | 92  | 13.060    | 13.060        | 0.000         | 96 | 923295   | 5.00         | 4.42           |       |
| 140 1,2-Dichlorobenzene         | 146 | 13.091    | 13.091        | 0.000         | 99 | 916461   | 5.00         | 4.43           |       |
| 142 1,2-Dibromo-3-Chloropropane | 155 | 13.639    | 13.633        | 0.006         | 87 | 55303    | 5.00         | 4.39           |       |
| 143 1,3,5-Trichlorobenzene      | 180 | 13.761    | 13.761        | 0.000         | 98 | 703954   | 5.00         | 4.52           |       |
| 144 1,2,4-Trichlorobenzene      | 180 | 14.188    | 14.182        | 0.006         | 94 | 585955   | 5.00         | 4.60           |       |
| 145 Hexachlorobutadiene         | 225 | 14.267    | 14.267        | 0.000         | 96 | 314822   | 5.00         | 5.14           |       |
| 146 Naphthalene                 | 128 | 14.365    | 14.359        | 0.006         | 97 | 1190430  | 5.00         | 4.79           |       |
| 147 1,2,3-Trichlorobenzene      | 180 | 14.505    | 14.505        | 0.000         | 96 | 556767   | 5.00         | 4.80           |       |
| 155 2-Methylnaphthalene         | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 156 p-Diethylbenzene            | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol           | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane    | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                     | 43  |           | 0.000         |               |    |          | ND           | ND             |       |

**QC Flag Legend**

## Processing Flags

ND - Not Detected or Marked ND

## Review Flags

M - Manually Integrated

a - User Assigned ID

**Reagents:**

MSV\_LCS\_VOC#1\_00226

Amount Added: 12.50

Units: uL

MSV\_QC\_Gas826\_00267

Amount Added: 12.50

Units: uL

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent



Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X04.D

Injection Date: 03-Jul-2025 09:59:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: LCSD

Worklist Smp#: 5

Client ID:

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

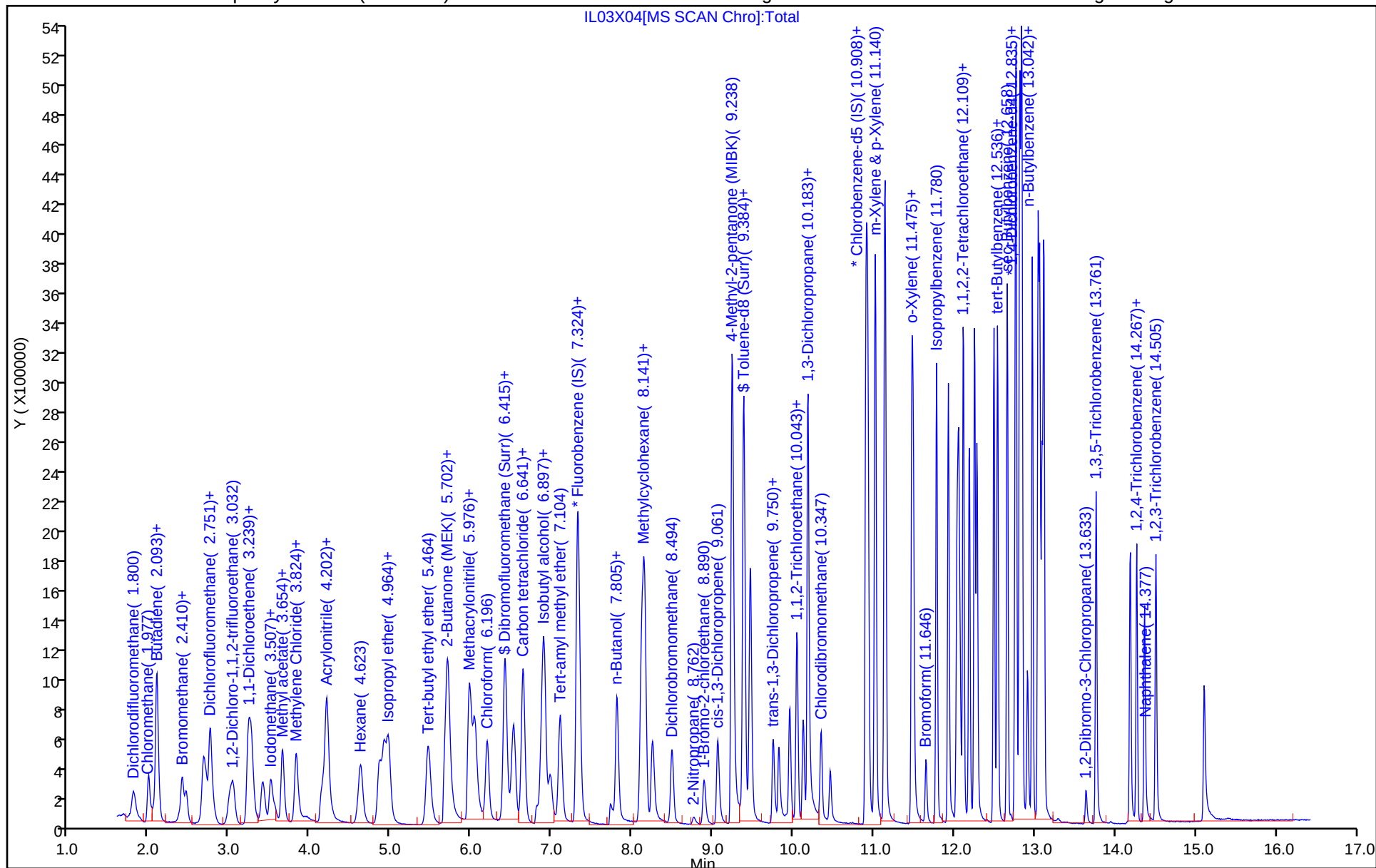
ALS Bottle#: 4

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X04.D  
Lims ID: LCSD  
Client ID:  
Sample Type: LCSD  
Inject. Date: 03-Jul-2025 09:59:30 ALS Bottle#: 4 Worklist Smp#: 5  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-005  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 03-Jul-2025 14:55:02 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1707

First Level Reviewer: N7YK

Date: 03-Jul-2025 10:28:48

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.0             | 100.02 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 11.1             | 111.25 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 10.4             | 103.51 |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 10.2             | 101.64 |

## Eurofins Lancaster Laboratories Environment Testing, LLC

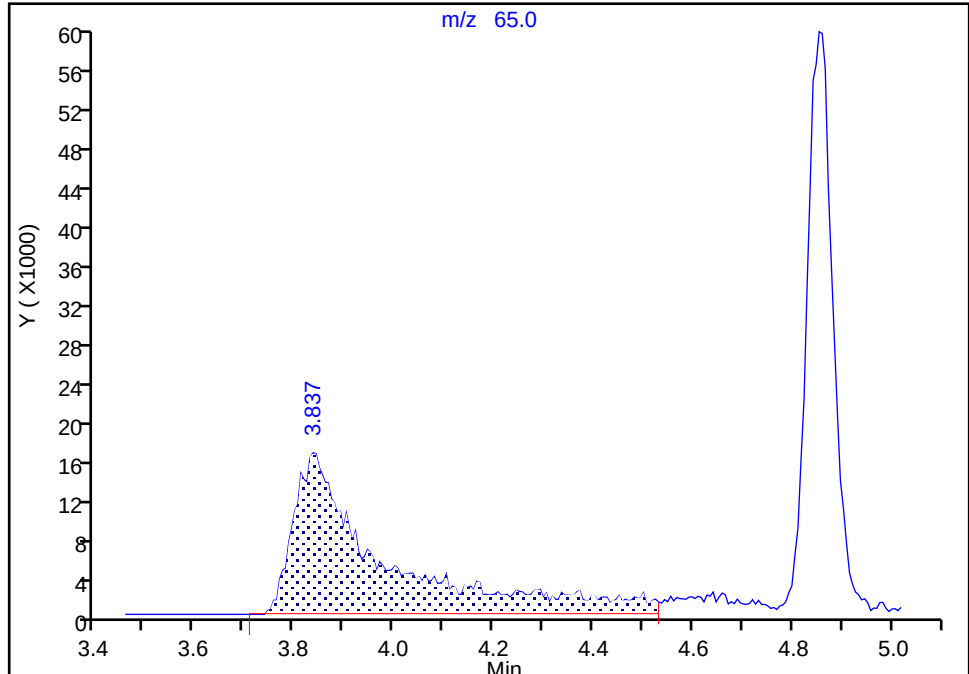
Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X04.D  
Injection Date: 03-Jul-2025 09:59:30 Instrument ID: 19930  
Lims ID: LCSD  
Client ID:  
Operator ID: ecr105096 ALS Bottle#: 4 Worklist Smp#: 5  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Method: 8260 25ml HP31 Limit Group: MSV - 8260C\_D  
Column: Rxi-624Sil MS Capillary Column ( 0.25mm ID) Detector: MS Quad

\* 26 t-Butyl alcohol-d10 (IS), CAS: 53001-22-2

Signal: 1

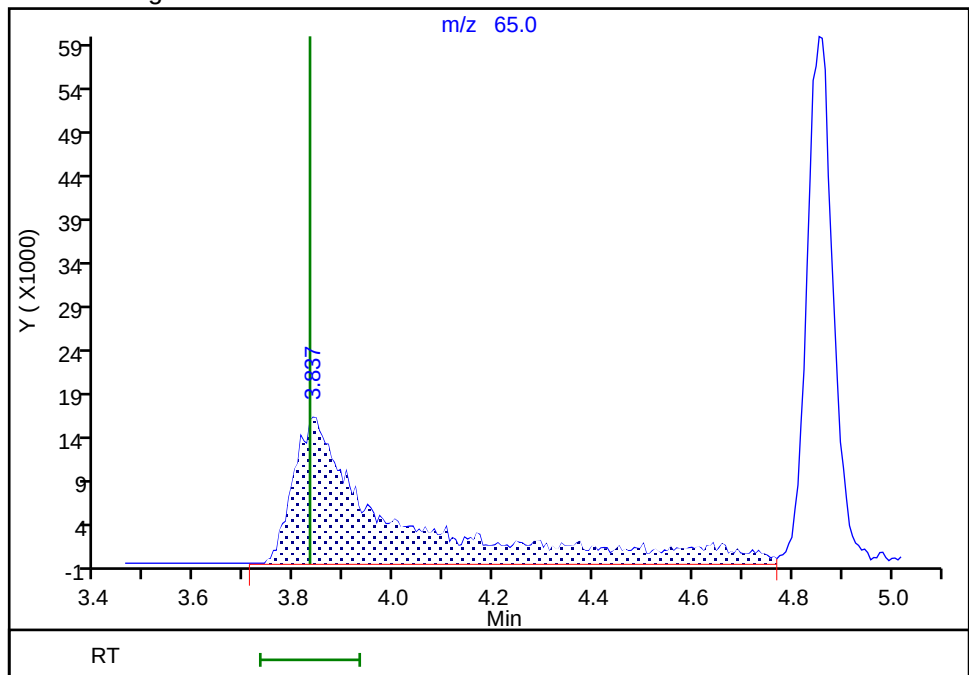
RT: 3.84  
Area: 206027  
Amount: 50.000000  
Amount Units: ug/l

## Processing Integration Results



RT: 3.84  
Area: 226408  
Amount: 50.000000  
Amount Units: ug/l

## Manual Integration Results



Reviewer: N7YK, 03-Jul-2025 10:28:06 -04:00:00 (UTC)

Audit Action: Assigned New Baseline

Audit Reason: Incomplete Integration

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MS MS

Lab Sample ID: 410-229793-6 MS

Matrix: Water

Lab File ID: IL03X17.D

Analysis Method: 8260D

Date Collected: 06/25/2025 08:15

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 14:31

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q | RL   | MDL   |
|------------|-----------------------------|--------|---|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | 5.23   |   | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | 5.85   |   | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 4.37   |   | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | 4.92   |   | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | 5.46   |   | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | 5.98   |   | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | 4.77   |   | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | 4.59   |   | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | 5.06   |   | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | 59.5   |   | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | 65.1   |   | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | 63.6   |   | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | 55.5   |   | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | 5.17   |   | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | 5.05   |   | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | 4.87   |   | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | 4.71   |   | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | 4.75   |   | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | 5.03   |   | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | 5.70   |   | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | 5.17   |   | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | 4.72   |   | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 5.41   |   | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | 4.40   |   | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 6.94   |   | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 4.37   |   | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | 4.86   |   | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | 5.22   |   | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | 4.47   |   | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | 5.26   |   | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | 5.63   |   | 0.50 | 0.070 |
| 127-18-4   | Tetrachloroethene           | 10.7   |   | 0.50 | 0.20  |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

|                                                                       |                                         |
|-----------------------------------------------------------------------|-----------------------------------------|
| Lab Name: Eurofins Lancaster Laboratories<br>Environment Testing, LLC | Job No.: 410-229793-1                   |
| SDG No.:                                                              |                                         |
| Client Sample ID: HD-COD-SW-15-0/1-0 MS MS                            | Lab Sample ID: 410-229793-6 MS          |
| Matrix: Water                                                         | Lab File ID: IL03X17.D                  |
| Analysis Method: 8260D                                                | Date Collected: 06/25/2025 08:15        |
| Sample wt/vol: 25 (mL)                                                | Date Analyzed: 07/03/2025 14:31         |
| Soil Aliquot Vol:                                                     | Dilution Factor: 1                      |
| Soil Extract Vol.:                                                    | GC Column: R-624SilMS 30m ID: 0.25 (mm) |
| Purge Volume: 25.0 (mL)                                               | Heated Purge: (Y/N) N pH:               |
| % Moisture: % Solids:                                                 | Level: (low/med) Low                    |
| Analysis Batch No.: 666534                                            | Units: ug/L                             |
| Preparation Batch No.:                                                | Instrument ID: 19930                    |

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 108-88-3   | Toluene                   | 5.39   |   | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | 5.56   |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | 4.66   |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 6.56   |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | 5.21   |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | 16.2   |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 108  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 100  |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 104  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 104  |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X17.D  
 Lims ID: 410-229793-A-6 MS  
 Client ID: HD-COD-SW-15-0/1-0 MS  
 Sample Type: MS  
 Inject. Date: 03-Jul-2025 14:31:30 ALS Bottle#: 17 Worklist Smp#: 17  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-018  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:17:28 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:17:28

| Compound                                 | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane                | 85  | 1.806     | 1.800         | 0.006         | 99  | 451853   | 5.00         | 5.48           |       |
| 4 Chloromethane                          | 50  | 1.995     | 1.983         | 0.012         | 99  | 467641   | 5.00         | 4.40           |       |
| 6 Butadiene                              | 39  | 2.093     | 2.081         | 0.012         | 91  | 612476   | 5.00         | 4.89           |       |
| 5 Vinyl chloride                         | 62  | 2.099     | 2.087         | 0.012         | 88  | 465707   | 5.00         | 5.21           |       |
| 7 Bromomethane                           | 94  | 2.416     | 2.398         | 0.018         | 91  | 347781   | 5.00         | 4.75           |       |
| 8 Chloroethane                           | 64  | 2.465     | 2.453         | 0.012         | 100 | 268952   | 5.00         | 4.72           |       |
| 9 Dichlorofluoromethane                  | 67  | 2.690     | 2.672         | 0.018         | 97  | 752548   | 5.00         | 4.58           |       |
| 10 Trichlorofluoromethane                | 101 | 2.757     | 2.745         | 0.012         | 96  | 670495   | 5.00         | 5.95           | M     |
| 13 1,2-Dichloro-1,1,2-trifluoroethane    | 67  | 3.032     | 3.020         | 0.012         | 92  | 448170   | 5.00         | 5.63           |       |
| 15 1,1-Dichloroethene                    | 96  | 3.233     | 3.221         | 0.012         | 98  | 354719   | 5.00         | 5.98           |       |
| 16 Acetone                               | 43  | 3.257     | 3.239         | 0.018         | 100 | 517217   | 62.6         | 55.5           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroethane | 101 | 3.282     | 3.263         | 0.019         | 91  | 362648   | 5.00         | 5.39           |       |
| 18 Iodomethane                           | 142 | 3.410     | 3.398         | 0.012         | 99  | 555852   | 5.00         | 4.53           |       |
| 20 Carbon disulfide                      | 76  | 3.513     | 3.501         | 0.012         | 99  | 961606   | 5.00         | 5.03           |       |
| 23 Methyl acetate                        | 43  | 3.653     | 3.623         | 0.030         | 34  | 134722   | 5.00         | 5.93           |       |
| 24 3-Chloro-1-propene                    | 41  | 3.659     | 3.647         | 0.012         | 92  | 452569   | 5.00         | 4.68           |       |
| 25 Methylene Chloride                    | 84  | 3.830     | 3.818         | 0.012         | 91  | 366399   | 5.00         | 5.26           |       |
| * 26 t-Butyl alcohol-d10 (IS)            | 65  | 3.848     | 3.830         | 0.018         | 98  | 141931   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol                   | 59  | 3.952     | 3.934         | 0.018         | 97  | 140062   | 50.0         | 42.8           |       |
| 28 Acrylonitrile                         | 53  | 4.153     | 4.117         | 0.036         | 96  | 285961   | 25.0         | 25.7           |       |
| 29 Methyl tert-butyl ether               | 73  | 4.196     | 4.184         | 0.012         | 96  | 742674   | 5.00         | 4.47           |       |
| 30 trans-1,2-Dichloroethene              | 96  | 4.208     | 4.196         | 0.012         | 100 | 365909   | 5.00         | 5.56           |       |
| 31 Hexane                                | 57  | 4.629     | 4.611         | 0.018         | 92  | 455540   | 5.00         | 4.94           |       |
| 32 1,1-Dichloroethane                    | 63  | 4.860     | 4.848         | 0.012         | 96  | 690398   | 5.00         | 5.46           |       |
| 35 Isopropyl ether                       | 45  | 4.928     | 4.916         | 0.012         | 91  | 893027   | 5.00         | 4.40           |       |
| 36 2-Chloro-1,3-butadiene                | 53  | 4.976     | 4.964         | 0.012         | 90  | 499129   | 5.00         | 5.07           |       |
| 37 Tert-butyl ethyl ether                | 59  | 5.470     | 5.458         | 0.012         | 96  | 838832   | 5.00         | 4.42           |       |
| 38 2-Butanone (MEK)                      | 43  | 5.677     | 5.659         | 0.018         | 99  | 934298   | 62.6         | 59.5           |       |
| 39 cis-1,2-Dichloroethene                | 96  | 5.708     | 5.696         | 0.012         | 80  | 509747   | 5.00         | 6.94           |       |
| 40 2,2-Dichloropropane                   | 77  | 5.720     | 5.708         | 0.012         | 64  | 569633   | 5.00         | 5.48           |       |
| 43 Propionitrile                         | 54  | 5.775     | 5.757         | 0.018         | 98  | 131105   | 37.5         | 31.4           |       |
| 45 Methacrylonitrile                     | 67  | 5.988     | 5.970         | 0.018         | 90  | 646602   | 37.5         | 40.3           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 46 Chlorobromomethane              | 128 | 6.043     | 6.031         | 0.012         | 92  | 180228   | 5.00         | 5.05           |       |
| 47 Tetrahydrofuran                 | 71  | 6.061     | 6.049         | 0.012         | 78  | 116463   | 25.0         | 24.7           |       |
| 48 Chloroform                      | 83  | 6.196     | 6.190         | 0.006         | 93  | 697781   | 5.00         | 5.41           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 94  | 544253   | 10.0         | 10.4           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.427     | 6.415         | 0.012         | 98  | 645707   | 5.00         | 5.85           |       |
| 51 Cyclohexane                     | 56  | 6.531     | 6.519         | 0.012         | 90  | 596090   | 5.00         | 5.24           |       |
| 54 Carbon tetrachloride            | 117 | 6.641     | 6.635         | 0.006         | 96  | 551410   | 5.00         | 5.70           |       |
| 53 1,1-Dichloropropene             | 75  | 6.647     | 6.635         | 0.012         | 98  | 502528   | 5.00         | 5.13           |       |
| 55 Isobutyl alcohol                | 41  | 6.823     | 6.805         | 0.018         | 95  | 121953   | 125.1        | 106.1          |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.878     | 6.866         | 0.012         | 95  | 114570   | 10.0         | 10.8           |       |
| 57 Benzene                         | 78  | 6.909     | 6.897         | 0.012         | 97  | 1512205  | 5.00         | 5.17           |       |
| 58 1,2-Dichloroethane              | 62  | 6.988     | 6.976         | 0.012         | 97  | 383898   | 5.00         | 4.59           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.104     | 7.098         | 0.006         | 98  | 822767   | 5.00         | 4.71           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.323     | 7.317         | 0.006         | 98  | 2118393  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.342     | 7.336         | 0.006         | 85  | 507424   | 5.00         | 5.61           |       |
| 63 n-Butanol                       | 56  | 7.738     | 7.702         | 0.036         | 90  | 189163   | 250.2        | 206.4          |       |
| 64 Trichloroethene                 | 95  | 7.811     | 7.799         | 0.012         | 98  | 508582   | 5.00         | 6.56           |       |
| 65 Methylcyclohexane               | 83  | 8.116     | 8.110         | 0.006         | 92  | 657109   | 5.00         | 5.41           |       |
| 66 1,2-Dichloropropane             | 63  | 8.140     | 8.134         | 0.006         | 97  | 390191   | 5.00         | 5.06           |       |
| 68 1,4-Dioxane                     | 88  | 8.250     | 8.232         | 0.018         | 35  | 33617    | 125.1        | 136.2          |       |
| 67 Methyl methacrylate             | 69  | 8.244     | 8.232         | 0.012         | 92  | 141645   | 5.00         | 5.06           |       |
| 69 Dibromomethane                  | 93  | 8.256     | 8.250         | 0.006         | 94  | 180241   | 5.00         | 4.73           |       |
| 71 Dichlorobromomethane            | 83  | 8.494     | 8.488         | 0.006         | 99  | 455623   | 5.00         | 4.87           |       |
| 72 2-Nitropropane                  | 41  | 8.768     | 8.756         | 0.012         | 100 | 41814    | 5.00         | 3.99           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.890     | 8.884         | 0.006         | 99  | 361524   | 5.00         | 4.54           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.061     | 9.055         | 0.006         | 97  | 455028   | 5.00         | 4.37           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.244     | 9.238         | 0.006         | 96  | 2673773  | 62.6         | 63.6           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 93  | 2157102  | 10.0         | 10.4           |       |
| 79 Toluene                         | 92  | 9.469     | 9.463         | 0.006         | 98  | 983064   | 5.00         | 5.39           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.750     | 9.744         | 0.006         | 92  | 402343   | 5.00         | 4.66           |       |
| 99 Ethyl methacrylate              | 69  | 9.823     | 9.817         | 0.006         | 89  | 299227   | 5.00         | 4.20           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.957     | 9.951         | 0.006         | 91  | 268083   | 5.00         | 4.92           |       |
| 101 Tetrachloroethene              | 166 | 10.042    | 10.043        | -0.001        | 98  | 948024   | 5.00         | 10.7           |       |
| 102 1,3-Dichloropropane            | 76  | 10.128    | 10.122        | 0.006         | 90  | 445720   | 5.00         | 4.76           |       |
| 103 2-Hexanone                     | 43  | 10.183    | 10.177        | 0.006         | 95  | 1925965  | 62.6         | 65.1           |       |
| 105 Chlorodibromomethane           | 129 | 10.347    | 10.341        | 0.006         | 89  | 326287   | 5.00         | 4.86           |       |
| 106 Ethylene Dibromide             | 107 | 10.463    | 10.457        | 0.006         | 99  | 245595   | 5.00         | 4.77           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85  | 1572047  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.920    | 10.920        | 0.000         | 97  | 509497   | 5.00         | 5.10           |       |
| 109 Chlorobenzene                  | 112 | 10.932    | 10.927        | 0.005         | 95  | 1108613  | 5.00         | 5.17           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.012    | 11.012        | 0.000         | 96  | 386622   | 5.00         | 5.23           |       |
| 112 Ethylbenzene                   | 91  | 11.024    | 11.018        | 0.006         | 98  | 1860973  | 5.00         | 5.22           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.140    | 11.140        | 0.000         | 93  | 1518236  | 10.0         | 10.9           |       |
| 114 o-Xylene                       | 106 | 11.475    | 11.469        | 0.006         | 96  | 697169   | 5.00         | 5.25           |       |
| 115 Styrene                        | 104 | 11.493    | 11.487        | 0.006         | 95  | 1167180  | 5.00         | 5.63           |       |
| 116 Bromoform                      | 173 | 11.652    | 11.646        | 0.006         | 97  | 186248   | 5.00         | 4.71           |       |
| 117 Isopropylbenzene               | 105 | 11.780    | 11.780        | 0.000         | 96  | 1841215  | 5.00         | 6.00           |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92  | 759513   | 10.0         | 10.0           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.030    | 12.030        | 0.000         | 94  | 338472   | 5.00         | 4.37           |       |
| 122 Bromobenzene                   | 156 | 12.042    | 12.036        | 0.006         | 96  | 456122   | 5.00         | 4.93           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.054    | 12.054        | 0.000         | 93  | 277638   | 25.0         | 19.2           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.072    | 12.073        | -0.001        | 80  | 94858    | 5.00         | 4.53           |       |

| Compound                        | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 125 N-Propylbenzene             | 91  | 12.115    | 12.109        | 0.006         | 99 | 2256297  | 5.00         | 5.19           |       |
| 126 2-Chlorotoluene             | 126 | 12.188    | 12.188        | 0.000         | 97 | 464208   | 5.00         | 5.01           |       |
| 127 1,3,5-Trimethylbenzene      | 105 | 12.249    | 12.249        | 0.000         | 95 | 1632535  | 5.00         | 5.28           |       |
| 128 4-Chlorotoluene             | 126 | 12.280    | 12.280        | 0.000         | 98 | 478364   | 5.00         | 5.04           |       |
| 129 tert-Butylbenzene           | 134 | 12.493    | 12.493        | 0.000         | 93 | 326297   | 5.00         | 4.51           |       |
| 131 1,2,4-Trimethylbenzene      | 105 | 12.536    | 12.536        | 0.000         | 98 | 1662244  | 5.00         | 5.33           |       |
| 132 sec-Butylbenzene            | 105 | 12.658    | 12.658        | 0.000         | 94 | 2141162  | 5.00         | 5.32           |       |
| 133 1,3-Dichlorobenzene         | 146 | 12.755    | 12.755        | 0.000         | 98 | 907724   | 5.00         | 5.13           |       |
| 134 4-Isopropyltoluene          | 119 | 12.767    | 12.768        | -0.001        | 97 | 1810769  | 5.00         | 5.34           |       |
| * 135 1,4-Dichlorobenzene-d4    | 152 | 12.816    | 12.810        | 0.006         | 94 | 946693   | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene         | 146 | 12.828    | 12.829        | -0.001        | 95 | 955077   | 5.00         | 5.01           |       |
| 137 1,2,3-Trimethylbenzene      | 120 | 12.841    | 12.841        | 0.000         | 98 | 740025   | 5.00         | 5.00           |       |
| 138 Benzyl chloride             | 126 | 12.908    | 12.908        | 0.000         | 98 | 136997   | 5.00         | 5.01           |       |
| 139 n-Butylbenzene              | 92  | 13.060    | 13.060        | 0.000         | 98 | 921851   | 5.00         | 5.34           |       |
| 140 1,2-Dichlorobenzene         | 146 | 13.091    | 13.091        | 0.000         | 99 | 863737   | 5.00         | 5.04           |       |
| 142 1,2-Dibromo-3-Chloropropane | 155 | 13.639    | 13.633        | 0.006         | 87 | 45027    | 5.00         | 4.32           |       |
| 143 1,3,5-Trichlorobenzene      | 180 | 13.761    | 13.761        | 0.000         | 98 | 674104   | 5.00         | 5.23           |       |
| 144 1,2,4-Trichlorobenzene      | 180 | 14.188    | 14.182        | 0.006         | 93 | 533853   | 5.00         | 5.07           |       |
| 145 Hexachlorobutadiene         | 225 | 14.267    | 14.267        | 0.000         | 96 | 298914   | 5.00         | 5.90           |       |
| 146 Naphthalene                 | 128 | 14.365    | 14.359        | 0.006         | 97 | 985763   | 5.00         | 4.80           |       |
| 147 1,2,3-Trichlorobenzene      | 180 | 14.505    | 14.505        | 0.000         | 96 | 500836   | 5.00         | 5.22           |       |
| 156 p-Diethylbenzene            | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene         | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                     | 43  |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol           | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane    | 1   |           | 0.000         |               |    |          | ND           | ND             |       |

**QC Flag Legend**

## Processing Flags

ND - Not Detected or Marked ND

## Review Flags

M - Manually Integrated

**Reagents:**

MSV\_LCS\_VOC#1\_00226

Amount Added: 5.38

Units: uL

MSV\_QC\_Gas826\_00267

Amount Added: 5.38

Units: uL

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent



## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X17.D

Injection Date: 03-Jul-2025 14:31:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-6 MS

Worklist Smp#: 17

Client ID: HD-COD-SW-15-0/1-0 MS

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

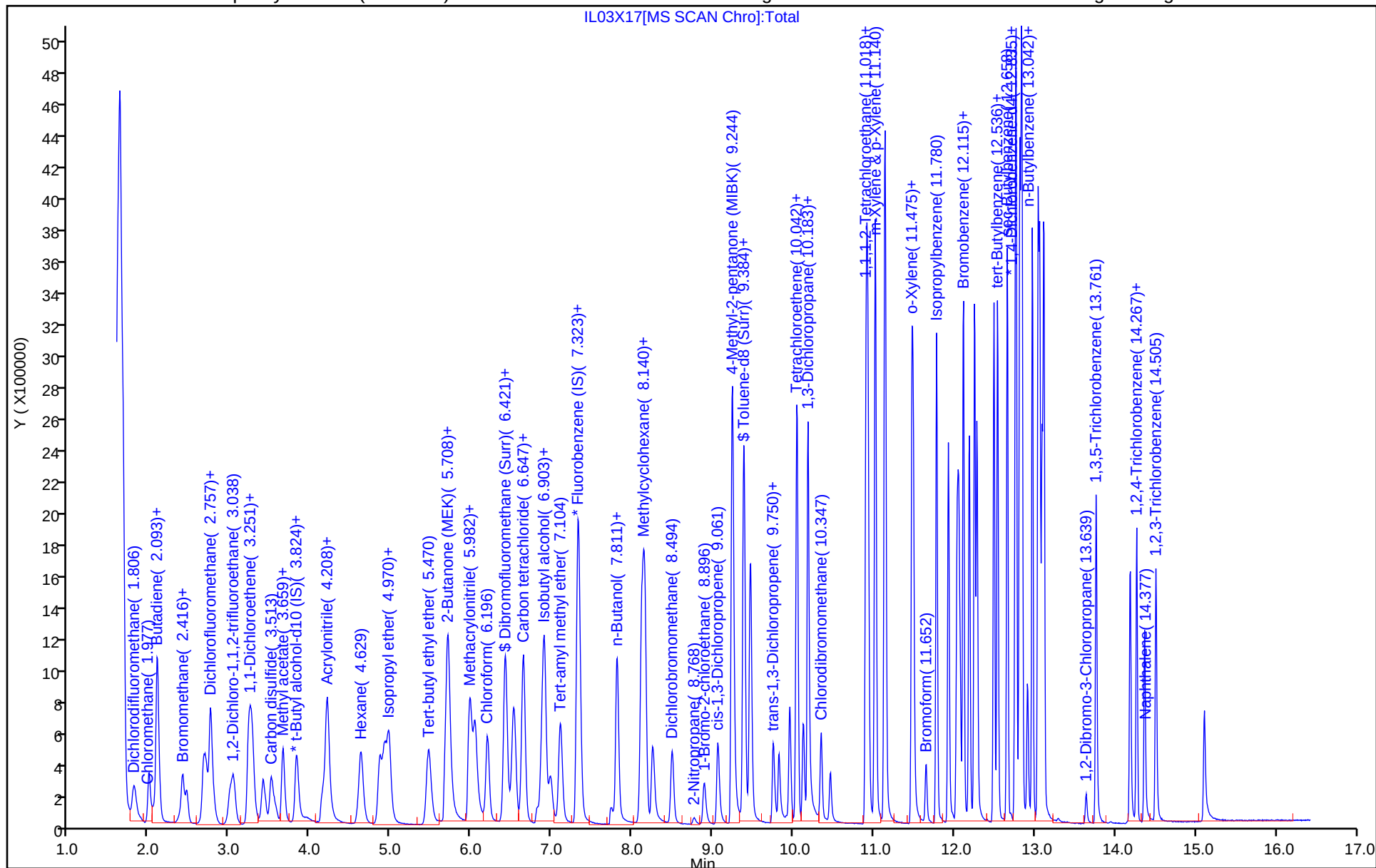
ALS Bottle#: 17

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X17.D  
Lims ID: 410-229793-A-6 MS  
Client ID: HD-COD-SW-15-0/1-0 MS  
Sample Type: MS  
Inject. Date: 03-Jul-2025 14:31:30 ALS Bottle#: 17 Worklist Smp#: 17  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-018  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:17:28 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:17:28

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.4             | 104.01 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 10.8             | 107.97 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 10.4             | 104.16 |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 10.0             | 100.14 |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories  
Environment Testing, LLC

Job No.: 410-229793-1

SDG No.:

Client Sample ID: HD-COD-SW-15-0/1-0 MSD  
MSD

Lab Sample ID: 410-229793-6 MSD

Matrix: Water

Lab File ID: IL03X18.D

Analysis Method: 8260D

Date Collected: 06/25/2025 08:15

Sample wt/vol: 25 (mL)

Date Analyzed: 07/03/2025 14:51

Soil Aliquot Vol:

Dilution Factor: 1

Soil Extract Vol.:

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

Purge Volume: 25.0 (mL)

Heated Purge: (Y/N) N pH:

% Moisture: % Solids:

Level: (low/med) Low

Analysis Batch No.: 666534

Units: ug/L

Preparation Batch No.:

Instrument ID: 19930

| CAS NO.    | COMPOUND NAME               | RESULT | Q | RL   | MDL   |
|------------|-----------------------------|--------|---|------|-------|
| 630-20-6   | 1,1,1,2-Tetrachloroethane   | 4.32   |   | 0.50 | 0.070 |
| 71-55-6    | 1,1,1-Trichloroethane       | 4.78   |   | 0.50 | 0.080 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 3.69   |   | 0.50 | 0.10  |
| 79-00-5    | 1,1,2-Trichloroethane       | 4.06   |   | 0.50 | 0.080 |
| 75-34-3    | 1,1-Dichloroethane          | 4.53   |   | 0.50 | 0.10  |
| 75-35-4    | 1,1-Dichloroethene          | 4.88   |   | 0.50 | 0.10  |
| 106-93-4   | 1,2-Dibromoethane (EDB)     | 4.02   |   | 0.50 | 0.080 |
| 107-06-2   | 1,2-Dichloroethane          | 4.06   |   | 0.50 | 0.070 |
| 78-87-5    | 1,2-Dichloropropane         | 4.18   |   | 0.50 | 0.10  |
| 78-93-3    | 2-Butanone (MEK)            | 41.7   |   | 5.0  | 1.0   |
| 591-78-6   | 2-Hexanone                  | 46.0   |   | 5.0  | 2.0   |
| 108-10-1   | 4-Methyl-2-pentanone (MIBK) | 45.6   |   | 5.0  | 1.0   |
| 67-64-1    | Acetone                     | 40.0   |   | 5.0  | 1.5   |
| 71-43-2    | Benzene                     | 4.24   |   | 0.50 | 0.10  |
| 74-97-5    | Bromochloromethane          | 4.17   |   | 0.50 | 0.080 |
| 75-27-4    | Bromodichloromethane        | 4.05   |   | 0.50 | 0.080 |
| 75-25-2    | Bromoform                   | 3.85   |   | 1.0  | 0.30  |
| 74-83-9    | Bromomethane                | 4.17   |   | 0.50 | 0.10  |
| 75-15-0    | Carbon disulfide            | 4.07   |   | 1.0  | 0.10  |
| 56-23-5    | Carbon tetrachloride        | 4.63   |   | 0.50 | 0.10  |
| 108-90-7   | Chlorobenzene               | 4.25   |   | 0.50 | 0.070 |
| 75-00-3    | Chloroethane                | 4.25   |   | 0.50 | 0.10  |
| 67-66-3    | Chloroform                  | 4.41   |   | 0.50 | 0.090 |
| 74-87-3    | Chloromethane               | 3.68   |   | 0.50 | 0.10  |
| 156-59-2   | cis-1,2-Dichloroethene      | 5.61   |   | 0.50 | 0.080 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 3.72   |   | 0.50 | 0.10  |
| 124-48-1   | Dibromochloromethane        | 3.96   |   | 0.50 | 0.080 |
| 100-41-4   | Ethylbenzene                | 4.26   |   | 0.50 | 0.080 |
| 1634-04-4  | Methyl tert-butyl ether     | 3.85   |   | 0.50 | 0.080 |
| 75-09-2    | Methylene Chloride          | 4.37   |   | 0.50 | 0.20  |
| 100-42-5   | Styrene                     | 4.56   |   | 0.50 | 0.070 |

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229793-1  
Environment Testing, LLC

SDG No.: \_\_\_\_\_

Client Sample ID: HD-COD-SW-15-0/1-0 MSD Lab Sample ID: 410-229793-6 MSD  
MSD

Matrix: Water Lab File ID: IL03X18.D

Analysis Method: 8260D Date Collected: 06/25/2025 08:15

Sample wt/vol: 25 (mL) Date Analyzed: 07/03/2025 14:51

Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1

Soil Extract Vol.: \_\_\_\_\_ GC Column: R-624SilMS 30m ID: 0.25 (mm)

Purge Volume: 25.0 (mL) Heated Purge: (Y/N) N pH: \_\_\_\_\_

% Moisture: \_\_\_\_\_ % Solids: \_\_\_\_\_ Level: (low/med) Low

Analysis Batch No.: 666534 Units: ug/L

Preparation Batch No.: \_\_\_\_\_ Instrument ID: 19930

| CAS NO.    | COMPOUND NAME             | RESULT | Q | RL   | MDL   |
|------------|---------------------------|--------|---|------|-------|
| 127-18-4   | Tetrachloroethene         | 8.88   |   | 0.50 | 0.20  |
| 108-88-3   | Toluene                   | 4.38   |   | 0.50 | 0.080 |
| 156-60-5   | trans-1,2-Dichloroethene  | 4.48   |   | 0.50 | 0.10  |
| 10061-02-6 | trans-1,3-Dichloropropene | 3.98   |   | 0.50 | 0.080 |
| 79-01-6    | Trichloroethene           | 5.48   |   | 0.50 | 0.080 |
| 75-01-4    | Vinyl chloride            | 4.71   |   | 0.50 | 0.10  |
| 1330-20-7  | Xylenes, Total            | 13.2   |   | 1.0  | 0.070 |

| CAS NO.    | SURROGATE                    | %REC | Q | LIMITS |
|------------|------------------------------|------|---|--------|
| 17060-07-0 | 1,2-Dichloroethane-d4 (Surr) | 108  |   | 80-120 |
| 460-00-4   | 4-Bromofluorobenzene (Surr)  | 102  |   | 80-120 |
| 1868-53-7  | Dibromofluoromethane (Surr)  | 103  |   | 80-120 |
| 2037-26-5  | Toluene-d8 (Surr)            | 104  |   | 80-120 |

Eurofins Lancaster Laboratories Environment Testing, LLC  
Target Compound Quantitation Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X18.D  
 Lims ID: 410-229793-A-6 MSD  
 Client ID: HD-COD-SW-15-0/1-0 MSD  
 Sample Type: MSD  
 Inject. Date: 03-Jul-2025 14:51:30 ALS Bottle#: 18 Worklist Smp#: 18  
 Purge Vol: 25.000 mL Dil. Factor: 1.0000  
 Sample Info: 410-0152351-018  
 Operator ID: ecr105096 Instrument ID: 19930  
 Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
 Limit Group: MSV - 8260C\_D  
 Last Update: 04-Jul-2025 12:18:35 Calib Date: 17-Mar-2025 21:31:30  
 Integrator: RTE ID Type: Deconvolution ID  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
 Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
 Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:18:35

| Compound                                 | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q   | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------------|-----|-----------|---------------|---------------|-----|----------|--------------|----------------|-------|
| 1 Dichlorodifluoromethane                | 85  | 1.806     | 1.800         | 0.006         | 99  | 460924   | 5.00         | 4.87           |       |
| 4 Chloromethane                          | 50  | 1.989     | 1.983         | 0.006         | 99  | 449453   | 5.00         | 3.68           |       |
| 6 Butadiene                              | 39  | 2.087     | 2.081         | 0.006         | 90  | 597973   | 5.00         | 4.16           |       |
| 5 Vinyl chloride                         | 62  | 2.093     | 2.087         | 0.006         | 90  | 482898   | 5.00         | 4.71           |       |
| 7 Bromomethane                           | 94  | 2.404     | 2.398         | 0.006         | 91  | 350217   | 5.00         | 4.17           |       |
| 8 Chloroethane                           | 64  | 2.458     | 2.453         | 0.005         | 100 | 278315   | 5.00         | 4.25           |       |
| 9 Dichlorofluoromethane                  | 67  | 2.690     | 2.672         | 0.018         | 97  | 758769   | 5.00         | 4.02           |       |
| 10 Trichlorofluoromethane                | 101 | 2.751     | 2.745         | 0.006         | 98  | 668647   | 5.00         | 5.17           | M     |
| 13 1,2-Dichloro-1,1,2-trifluoroethane    | 67  | 3.032     | 3.020         | 0.012         | 93  | 451864   | 5.00         | 4.94           |       |
| 15 1,1-Dichloroethene                    | 96  | 3.227     | 3.221         | 0.006         | 98  | 332536   | 5.00         | 4.88           |       |
| 16 Acetone                               | 43  | 3.251     | 3.239         | 0.012         | 100 | 521594   | 62.6         | 40.0           |       |
| 17 1,1,2-Trichloro-1,2,2-trifluoroethane | 101 | 3.269     | 3.263         | 0.006         | 92  | 334776   | 5.00         | 4.33           |       |
| 18 Iodomethane                           | 142 | 3.403     | 3.398         | 0.005         | 98  | 534721   | 5.00         | 3.79           |       |
| 20 Carbon disulfide                      | 76  | 3.507     | 3.501         | 0.006         | 99  | 892943   | 5.00         | 4.07           |       |
| 23 Methyl acetate                        | 43  | 3.653     | 3.623         | 0.030         | 34  | 164962   | 5.00         | 5.19           |       |
| 24 3-Chloro-1-propene                    | 41  | 3.653     | 3.647         | 0.006         | 93  | 430608   | 5.00         | 3.88           |       |
| 25 Methylene Chloride                    | 84  | 3.818     | 3.818         | 0.000         | 90  | 349905   | 5.00         | 4.37           |       |
| * 26 t-Butyl alcohol-d10 (IS)            | 65  | 3.824     | 3.830         | -0.006        | 97  | 198436   | 50.0         | 50.0           |       |
| 27 2-Methyl-2-propanol                   | 59  | 3.958     | 3.934         | 0.024         | 99  | 106589   | 50.0         | 23.3           |       |
| 28 Acrylonitrile                         | 53  | 4.147     | 4.117         | 0.030         | 99  | 292337   | 25.0         | 18.8           |       |
| 29 Methyl tert-butyl ether               | 73  | 4.190     | 4.184         | 0.006         | 91  | 734056   | 5.00         | 3.85           |       |
| 30 trans-1,2-Dichloroethene              | 96  | 4.202     | 4.196         | 0.006         | 99  | 338396   | 5.00         | 4.48           |       |
| 31 Hexane                                | 57  | 4.623     | 4.611         | 0.012         | 92  | 446318   | 5.00         | 4.22           |       |
| 32 1,1-Dichloroethane                    | 63  | 4.860     | 4.848         | 0.012         | 96  | 658401   | 5.00         | 4.53           |       |
| 35 Isopropyl ether                       | 45  | 4.921     | 4.916         | 0.005         | 92  | 863588   | 5.00         | 3.71           |       |
| 36 2-Chloro-1,3-butadiene                | 53  | 4.970     | 4.964         | 0.006         | 91  | 467484   | 5.00         | 4.14           |       |
| 37 Tert-butyl ethyl ether                | 59  | 5.464     | 5.458         | 0.006         | 96  | 803844   | 5.00         | 3.69           |       |
| 38 2-Butanone (MEK)                      | 43  | 5.671     | 5.659         | 0.012         | 99  | 915429   | 62.6         | 41.7           |       |
| 39 cis-1,2-Dichloroethene                | 96  | 5.708     | 5.696         | 0.012         | 82  | 473621   | 5.00         | 5.61           |       |
| 40 2,2-Dichloropropane                   | 77  | 5.714     | 5.708         | 0.006         | 86  | 532176   | 5.00         | 4.46           |       |
| 43 Propionitrile                         | 54  | 5.787     | 5.757         | 0.030         | 98  | 152695   | 37.5         | 26.1           |       |
| 45 Methacrylonitrile                     | 67  | 5.976     | 5.970         | 0.006         | 89  | 646525   | 37.5         | 28.8           |       |

| Compound                           | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|------------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 46 Chlorobromomethane              | 128 | 6.043     | 6.031         | 0.012         | 92 | 170868   | 5.00         | 4.17           |       |
| 47 Tetrahydrofuran                 | 71  | 6.061     | 6.049         | 0.012         | 71 | 115897   | 25.0         | 17.6           |       |
| 48 Chloroform                      | 83  | 6.196     | 6.190         | 0.006         | 93 | 652383   | 5.00         | 4.41           |       |
| \$ 49 Dibromofluoromethane (Surr)  | 113 | 6.415     | 6.409         | 0.006         | 93 | 617580   | 10.0         | 10.3           |       |
| 50 1,1,1-Trichloroethane           | 97  | 6.421     | 6.415         | 0.006         | 97 | 605670   | 5.00         | 4.78           |       |
| 51 Cyclohexane                     | 56  | 6.519     | 6.519         | 0.000         | 90 | 579380   | 5.00         | 4.43           |       |
| 54 Carbon tetrachloride            | 117 | 6.635     | 6.635         | -0.001        | 97 | 514016   | 5.00         | 4.63           |       |
| 53 1,1-Dichloropropene             | 75  | 6.647     | 6.635         | 0.012         | 97 | 474969   | 5.00         | 4.22           |       |
| 55 Isobutyl alcohol                | 41  | 6.811     | 6.805         | 0.006         | 92 | 125365   | 125.1        | 78.0           |       |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 102 | 6.878     | 6.866         | 0.012         | 95 | 131776   | 10.0         | 10.8           |       |
| 57 Benzene                         | 78  | 6.903     | 6.897         | 0.006         | 96 | 1426299  | 5.00         | 4.24           |       |
| 58 1,2-Dichloroethane              | 62  | 6.982     | 6.976         | 0.006         | 98 | 390277   | 5.00         | 4.06           |       |
| 60 Tert-amyl methyl ether          | 73  | 7.104     | 7.098         | 0.006         | 98 | 800603   | 5.00         | 3.99           |       |
| * 61 Fluorobenzene (IS)            | 96  | 7.317     | 7.317         | 0.000         | 98 | 2432981  | 10.0         | 10.0           |       |
| 62 n-Heptane                       | 43  | 7.336     | 7.336         | 0.000         | 90 | 487121   | 5.00         | 4.69           |       |
| 63 n-Butanol                       | 56  | 7.732     | 7.702         | 0.030         | 90 | 198248   | 250.2        | 162.1          |       |
| 64 Trichloroethene                 | 95  | 7.805     | 7.799         | 0.006         | 98 | 487346   | 5.00         | 5.48           |       |
| 65 Methylcyclohexane               | 83  | 8.110     | 8.110         | 0.000         | 92 | 624946   | 5.00         | 4.48           |       |
| 66 1,2-Dichloropropane             | 63  | 8.140     | 8.134         | 0.006         | 92 | 370388   | 5.00         | 4.18           |       |
| 68 1,4-Dioxane                     | 88  | 8.256     | 8.232         | 0.024         | 32 | 28314    | 125.1        | 82.1           |       |
| 67 Methyl methacrylate             | 69  | 8.250     | 8.232         | 0.018         | 92 | 137893   | 5.00         | 3.52           |       |
| 69 Dibromomethane                  | 93  | 8.256     | 8.250         | 0.006         | 95 | 172715   | 5.00         | 3.95           |       |
| 71 Dichlorobromomethane            | 83  | 8.494     | 8.488         | 0.006         | 99 | 434947   | 5.00         | 4.05           |       |
| 72 2-Nitropropane                  | 41  | 8.762     | 8.756         | 0.006         | 95 | 47837    | 5.00         | 3.26           |       |
| 75 1-Bromo-2-chloroethane          | 63  | 8.890     | 8.884         | 0.006         | 98 | 370238   | 5.00         | 4.05           |       |
| 76 cis-1,3-Dichloropropene         | 75  | 9.061     | 9.055         | 0.006         | 97 | 445711   | 5.00         | 3.72           |       |
| 77 4-Methyl-2-pentanone (MIBK)     | 43  | 9.244     | 9.238         | 0.006         | 96 | 2678837  | 62.6         | 45.6           |       |
| \$ 78 Toluene-d8 (Surr)            | 98  | 9.384     | 9.384         | 0.000         | 93 | 2481023  | 10.0         | 10.4           |       |
| 79 Toluene                         | 92  | 9.463     | 9.463         | 0.000         | 98 | 919329   | 5.00         | 4.38           |       |
| 97 trans-1,3-Dichloropropene       | 75  | 9.750     | 9.744         | 0.006         | 92 | 395278   | 5.00         | 3.98           |       |
| 99 Ethyl methacrylate              | 69  | 9.823     | 9.817         | 0.006         | 89 | 302320   | 5.00         | 3.69           |       |
| 100 1,1,2-Trichloroethane          | 97  | 9.957     | 9.951         | 0.006         | 91 | 254285   | 5.00         | 4.06           |       |
| 101 Tetrachloroethene              | 166 | 10.042    | 10.043        | -0.001        | 98 | 906970   | 5.00         | 8.88           |       |
| 102 1,3-Dichloropropane            | 76  | 10.122    | 10.122        | 0.000         | 90 | 425637   | 5.00         | 3.95           |       |
| 103 2-Hexanone                     | 43  | 10.183    | 10.177        | 0.006         | 95 | 1900450  | 62.6         | 46.0           |       |
| 105 Chlorodibromomethane           | 129 | 10.347    | 10.341        | 0.006         | 90 | 305802   | 5.00         | 3.96           |       |
| 106 Ethylene Dibromide             | 107 | 10.457    | 10.457        | 0.000         | 98 | 237644   | 5.00         | 4.02           |       |
| * 107 Chlorobenzene-d5 (IS)        | 117 | 10.902    | 10.902        | 0.000         | 85 | 1807883  | 10.0         | 10.0           |       |
| 108 1-Chlorohexane                 | 91  | 10.920    | 10.920        | 0.000         | 97 | 481868   | 5.00         | 4.20           |       |
| 109 Chlorobenzene                  | 112 | 10.932    | 10.927        | 0.005         | 95 | 1047994  | 5.00         | 4.25           |       |
| 111 1,1,1,2-Tetrachloroethane      | 131 | 11.018    | 11.012        | 0.006         | 96 | 367331   | 5.00         | 4.32           |       |
| 112 Ethylbenzene                   | 91  | 11.024    | 11.018        | 0.006         | 98 | 1746685  | 5.00         | 4.26           |       |
| 113 m-Xylene & p-Xylene            | 106 | 11.140    | 11.140        | 0.000         | 93 | 1421467  | 10.0         | 8.91           |       |
| 114 o-Xylene                       | 106 | 11.475    | 11.469        | 0.006         | 96 | 660535   | 5.00         | 4.33           |       |
| 115 Styrene                        | 104 | 11.493    | 11.487        | 0.006         | 94 | 1088114  | 5.00         | 4.56           |       |
| 116 Bromoform                      | 173 | 11.646    | 11.646        | 0.000         | 98 | 174926   | 5.00         | 3.85           |       |
| 117 Isopropylbenzene               | 105 | 11.780    | 11.780        | 0.000         | 96 | 1728384  | 5.00         | 4.90           |       |
| \$ 120 4-Bromofluorobenzene (Surr) | 95  | 11.926    | 11.926        | 0.000         | 92 | 889729   | 10.0         | 10.2           |       |
| 121 1,1,2,2-Tetrachloroethane      | 83  | 12.030    | 12.030        | 0.000         | 94 | 337831   | 5.00         | 3.69           |       |
| 122 Bromobenzene                   | 156 | 12.042    | 12.036        | 0.006         | 96 | 425947   | 5.00         | 3.90           |       |
| 123 trans-1,4-Dichloro-2-butene    | 53  | 12.054    | 12.054        | 0.000         | 92 | 262825   | 25.0         | 13.0           |       |
| 124 1,2,3-Trichloropropane         | 110 | 12.072    | 12.073        | -0.001        | 80 | 89865    | 5.00         | 3.64           |       |

| Compound                        | Sig | RT (min.) | Exp RT (min.) | Dlt RT (min.) | Q  | Response | Cal Amt ug/l | OnCol Amt ug/l | Flags |
|---------------------------------|-----|-----------|---------------|---------------|----|----------|--------------|----------------|-------|
| 125 N-Propylbenzene             | 91  | 12.115    | 12.109        | 0.006         | 99 | 2107414  | 5.00         | 4.10           |       |
| 126 2-Chlorotoluene             | 126 | 12.188    | 12.188        | 0.000         | 97 | 432574   | 5.00         | 3.95           |       |
| 127 1,3,5-Trimethylbenzene      | 105 | 12.249    | 12.249        | 0.000         | 94 | 1516006  | 5.00         | 4.15           |       |
| 128 4-Chlorotoluene             | 126 | 12.280    | 12.280        | 0.000         | 97 | 450246   | 5.00         | 4.02           |       |
| 129 tert-Butylbenzene           | 134 | 12.493    | 12.493        | 0.000         | 93 | 313681   | 5.00         | 3.67           |       |
| 131 1,2,4-Trimethylbenzene      | 105 | 12.536    | 12.536        | 0.000         | 97 | 1526762  | 5.00         | 4.15           |       |
| 132 sec-Butylbenzene            | 105 | 12.658    | 12.658        | 0.000         | 94 | 2005268  | 5.00         | 4.22           |       |
| 133 1,3-Dichlorobenzene         | 146 | 12.755    | 12.755        | 0.000         | 98 | 851141   | 5.00         | 4.07           |       |
| 134 4-Isopropyltoluene          | 119 | 12.767    | 12.768        | -0.001        | 97 | 1716209  | 5.00         | 4.29           |       |
| * 135 1,4-Dichlorobenzene-d4    | 152 | 12.810    | 12.810        | 0.000         | 94 | 1117798  | 10.0         | 10.0           |       |
| 136 1,4-Dichlorobenzene         | 146 | 12.828    | 12.829        | -0.001        | 95 | 886964   | 5.00         | 3.94           |       |
| 137 1,2,3-Trimethylbenzene      | 120 | 12.841    | 12.841        | 0.000         | 98 | 695042   | 5.00         | 3.98           |       |
| 138 Benzyl chloride             | 126 | 12.908    | 12.908        | 0.000         | 98 | 133698   | 5.00         | 4.14           |       |
| 139 n-Butylbenzene              | 92  | 13.060    | 13.060        | 0.000         | 96 | 861642   | 5.00         | 4.22           |       |
| 140 1,2-Dichlorobenzene         | 146 | 13.091    | 13.091        | 0.000         | 99 | 808134   | 5.00         | 4.00           |       |
| 142 1,2-Dibromo-3-Chloropropane | 155 | 13.639    | 13.633        | 0.006         | 87 | 46063    | 5.00         | 3.75           |       |
| 143 1,3,5-Trichlorobenzene      | 180 | 13.761    | 13.761        | 0.000         | 98 | 630480   | 5.00         | 4.14           |       |
| 144 1,2,4-Trichlorobenzene      | 180 | 14.188    | 14.182        | 0.006         | 94 | 518871   | 5.00         | 4.17           |       |
| 145 Hexachlorobutadiene         | 225 | 14.267    | 14.267        | 0.000         | 96 | 289728   | 5.00         | 4.84           |       |
| 146 Naphthalene                 | 128 | 14.365    | 14.359        | 0.006         | 97 | 975854   | 5.00         | 4.02           |       |
| 147 1,2,3-Trichlorobenzene      | 180 | 14.505    | 14.505        | 0.000         | 96 | 487454   | 5.00         | 4.30           |       |
| 156 p-Diethylbenzene            | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 155 2-Methylnaphthalene         | 142 |           | 0.000         |               |    |          | ND           | ND             |       |
| 165 Isopropyl alcohol           | 45  |           | 0.000         |               |    |          | ND           | ND             |       |
| 150 2-ethoxy-2-methyl butane    | 1   |           | 0.000         |               |    |          | ND           | ND             |       |
| 161 Pentane                     | 43  |           | 0.000         |               |    |          | ND           | ND             |       |

**QC Flag Legend**

## Processing Flags

ND - Not Detected or Marked ND

## Review Flags

M - Manually Integrated

**Reagents:**

MSV\_LCS\_VOC#1\_00226

Amount Added: 5.38

Units: uL

MSV\_QC\_Gas826\_00267

Amount Added: 5.38

Units: uL

MSV\_LLcentISS\_00017

Amount Added: 5.00

Units: uL

Run Reagent

## Eurofins Lancaster Laboratories Environment Testing, LLC

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X18.D

Injection Date: 03-Jul-2025 14:51:30

Instrument ID: 19930

Operator ID: ecr105096

Lims ID: 410-229793-A-6 MSD

Worklist Smp#: 18

Client ID: HD-COD-SW-15-0/1-0 MSD

Purge Vol: 25.000 mL

Dil. Factor: 1.0000

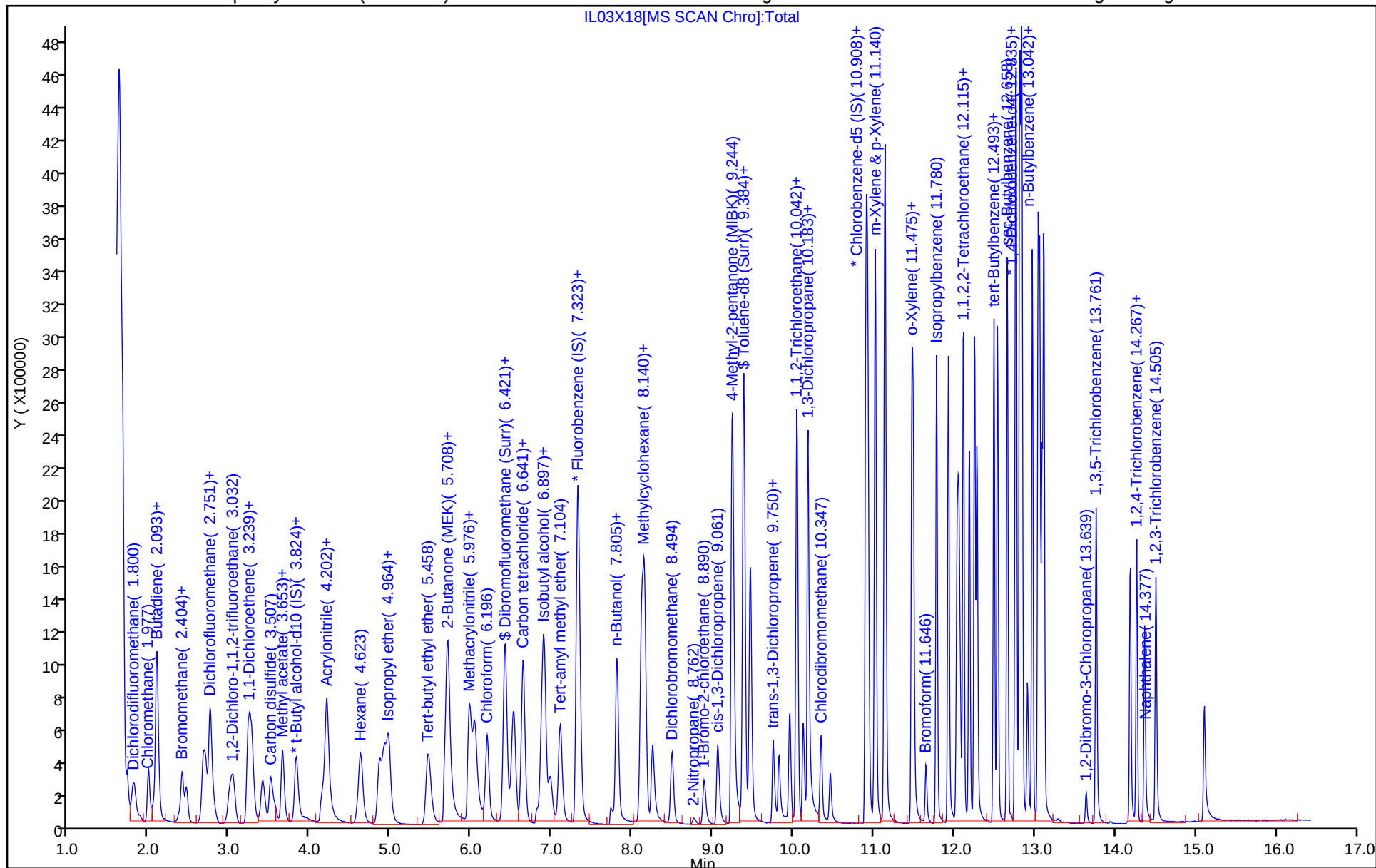
ALS Bottle#: 18

Method: 8260 25ml HP31

Limit Group: MSV - 8260C\_D

Column: Rxi-624Sil MS Capillary Column ( 0.25 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1





Eurofins Lancaster Laboratories Environment Testing, LLC  
Recovery Report

Data File: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\IL03X18.D  
Lims ID: 410-229793-A-6 MSD  
Client ID: HD-COD-SW-15-0/1-0 MSD  
Sample Type: MSD  
Inject. Date: 03-Jul-2025 14:51:30 ALS Bottle#: 18 Worklist Smp#: 18  
Purge Vol: 25.000 mL Dil. Factor: 1.0000  
Sample Info: 410-0152351-018  
Operator ID: ecr105096 Instrument ID: 19930  
Method: \\chromfs\Lancaster\ChromData\19930\20250703-152351.b\8260 25ml HP31.m  
Limit Group: MSV - 8260C\_D  
Last Update: 04-Jul-2025 12:18:35 Calib Date: 17-Mar-2025 21:31:30  
Integrator: RTE ID Type: Deconvolution ID  
Quant Method: Internal Standard Quant By: Initial Calibration  
Last ICal File: \\chromfs\Lancaster\ChromData\19930\20250317-141066.b\IM17X19.D  
Column 1 : Rxi-624Sil MS Capillary Column ( 0.25 mm) Det: MS Quad  
Process Host: CTX1722

First Level Reviewer: N9NA

Date: 04-Jul-2025 12:18:35

| Compound                           | Amount Added | Amount Recovered | % Rec. |
|------------------------------------|--------------|------------------|--------|
| \$ 49 Dibromofluoromethane (Surr)  | 10.0         | 10.3             | 102.76 |
| \$ 56 1,2-Dichloroethane-d4 (Surr) | 10.0         | 10.8             | 108.13 |
| \$ 78 Toluene-d8 (Surr)            | 10.0         | 10.4             | 104.17 |
| \$ 120 4-Bromofluorobenzene (Surr) | 10.0         | 10.2             | 102.00 |

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

Instrument ID: 19930

Start Date: 03/17/2025 15:00

Analysis Batch Number: 617959

End Date: 03/17/2025 23:16

| LAB SAMPLE ID      | CLIENT SAMPLE ID | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID                |
|--------------------|------------------|------------------|--------------------|-------------|--------------------------|
| BFB 410-617959/1   |                  | 03/17/2025 15:00 | 1                  | IM17T01.D   | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/3    |                  | 03/17/2025 15:35 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/4    |                  | 03/17/2025 15:56 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/5    |                  | 03/17/2025 16:17 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/6    |                  | 03/17/2025 16:38 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/7    |                  | 03/17/2025 16:59 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/8    |                  | 03/17/2025 17:20 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/9    |                  | 03/17/2025 17:41 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| ICV 410-617959/11  |                  | 03/17/2025 18:23 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/13   |                  | 03/17/2025 19:05 | 1                  | IM17X12.D   | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/14   |                  | 03/17/2025 19:25 | 1                  | IM17X13.D   | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/15   |                  | 03/17/2025 19:46 | 1                  | IM17X14.D   | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/16   |                  | 03/17/2025 20:07 | 1                  | IM17X15.D   | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/17   |                  | 03/17/2025 20:28 | 1                  | IM17X16.D   | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/18   |                  | 03/17/2025 20:49 | 1                  | IM17X17.D   | R-624Si1MS 30m 0.25 (mm) |
| ICIS 410-617959/19 |                  | 03/17/2025 21:10 | 1                  | IM17X18.D   | R-624Si1MS 30m 0.25 (mm) |
| IC 410-617959/20   |                  | 03/17/2025 21:31 | 1                  | IM17X19.D   | R-624Si1MS 30m 0.25 (mm) |
| ICV 410-617959/22  |                  | 03/17/2025 22:13 | 1                  | IM17X21.D   | R-624Si1MS 30m 0.25 (mm) |
| ZZZZZ (QC)         |                  | 03/17/2025 22:55 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| ZZZZZ (QC)         |                  | 03/17/2025 23:16 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Lancaster Laboratories Environment  
Testing, LLC

Job No.: 410-229793-1

SDG No.:

Instrument ID: 19930

Start Date: 07/03/2025 08:45

Analysis Batch Number: 666534

End Date: 07/03/2025 18:35

| LAB SAMPLE ID      | CLIENT SAMPLE ID              | DATE ANALYZED    | DILUTION<br>FACTOR | LAB FILE ID | COLUMN ID                |
|--------------------|-------------------------------|------------------|--------------------|-------------|--------------------------|
| BFB 410-666534/1   |                               | 07/03/2025 08:45 | 1                  | IL03T02.D   | R-624Si1MS 30m 0.25 (mm) |
| CCVIS 410-666534/3 |                               | 07/03/2025 09:18 | 1                  | IL03X02.D   | R-624Si1MS 30m 0.25 (mm) |
| LCS 410-666534/4   |                               | 07/03/2025 09:39 | 1                  | IL03X03.D   | R-624Si1MS 30m 0.25 (mm) |
| LCSD 410-666534/5  |                               | 07/03/2025 09:59 | 1                  | IL03X04.D   | R-624Si1MS 30m 0.25 (mm) |
| ZZZZZ (QC)         |                               | 07/03/2025 10:19 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| MB 410-666534/7    |                               | 07/03/2025 10:40 | 1                  | IL03X06.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-14      | HD-QC1-0/1-2                  | 07/03/2025 11:07 | 1                  | IL03X07.D   | R-624Si1MS 30m 0.25 (mm) |
| ZZZZZ (Client)     |                               | 07/03/2025 11:27 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| ZZZZZ (Client)     |                               | 07/03/2025 11:48 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-1       | HD-COD-SW-6-0/1-0             | 07/03/2025 12:08 | 1                  | IL03X10.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-2       | HD-COD-SW-7-0/1-0             | 07/03/2025 12:29 | 1                  | IL03X11.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-3       | HD-COD-SW-8-0/1-0             | 07/03/2025 12:49 | 1                  | IL03X12.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-4       | HD-COD-SW-9-0/1-0             | 07/03/2025 13:09 | 1                  | IL03X13.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-5       | HD-COD-SW-13-0/1-0            | 07/03/2025 13:30 | 1                  | IL03X14.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-6       | HD-COD-SW-15-0/1-0            | 07/03/2025 13:50 | 1                  | IL03X15.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-6 MS    | HD-COD-SW-15-0/1-0 MS<br>MS   | 07/03/2025 14:31 | 1                  | IL03X17.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-6 MSD   | HD-COD-SW-15-0/1-0<br>MSD MSD | 07/03/2025 14:51 | 1                  | IL03X18.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-7       | HD-COD-SW-16-0/1-0            | 07/03/2025 15:11 | 1                  | IL03X19.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-9       | HD-COD-SW-26-0/1-0            | 07/03/2025 15:32 | 1                  | IL03X20.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-10      | HD-COD-SW-27-0/1-0            | 07/03/2025 15:52 | 1                  | IL03X21.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-11      | HD-COD-SW-28-0/1-0            | 07/03/2025 16:12 | 1                  | IL03X22.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-12      | HD-COD-SW-29-0/1-0            | 07/03/2025 16:33 | 1                  | IL03X23.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-8       | HD-COD-SW-17-0/1-0            | 07/03/2025 16:53 | 1                  | IL03X24.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-8 DL    | HD-COD-SW-17-0/1-0 DL         | 07/03/2025 17:13 | 20                 | IL03X25.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-13      | HD-QC1-0/1-1                  | 07/03/2025 17:34 | 1                  | IL03X26.D   | R-624Si1MS 30m 0.25 (mm) |
| 410-229793-13 DL   | HD-QC1-0/1-1 DL               | 07/03/2025 17:54 | 20                 | IL03X27.D   | R-624Si1MS 30m 0.25 (mm) |
| ZZZZZ (Client)     |                               | 07/03/2025 18:14 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |
| ZZZZZ (Client)     |                               | 07/03/2025 18:35 | 1                  |             | R-624Si1MS 30m 0.25 (mm) |

## GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229793-1

SDG No.: \_\_\_\_\_

Batch Number: 617959 Batch Start Date: 03/17/25 15:00 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: \_\_\_\_\_

| Lab Sample ID         | Client Sample ID | Method Chain | Matrix | Basis | InitialAmount | FinalAmount | Lot#Vial | LCS_ETBR 00009 | MSV_CCV_SIM<br>00073 | MSV_LCS_ACROL<br>00217 |
|-----------------------|------------------|--------------|--------|-------|---------------|-------------|----------|----------------|----------------------|------------------------|
| BFB<br>410-617959/1   |                  | 8260D        |        |       | 1 uL          | 1 uL        |          |                |                      |                        |
| IC<br>410-617959/13   |                  | 8260D        |        |       | 25 mL         | 25 mL       | 2780     |                | 1 uL                 |                        |
| IC<br>410-617959/14   |                  | 8260D        |        |       | 25 mL         | 25 mL       | 2780     |                |                      |                        |
| IC<br>410-617959/15   |                  | 8260D        |        |       | 25 mL         | 25 mL       | 2780     |                |                      |                        |
| IC<br>410-617959/16   |                  | 8260D        |        |       | 25 mL         | 25 mL       | 2780     |                |                      |                        |
| IC<br>410-617959/17   |                  | 8260D        |        |       | 25 mL         | 25 mL       | 2780     |                |                      |                        |
| IC<br>410-617959/18   |                  | 8260D        |        |       | 25 mL         | 25 mL       | 2780     |                |                      |                        |
| ICIS<br>410-617959/19 |                  | 8260D        |        |       | 25 mL         | 25 mL       | 2780     |                |                      |                        |
| IC<br>410-617959/20   |                  | 8260D        |        |       | 25 mL         | 25 mL       | 2780     |                |                      |                        |
| ICV<br>410-617959/22  |                  | 8260D        |        |       | 25 mL         | 25 mL       | 2780     | 12.5 uL        |                      | 12.5 uL                |

| Lab Sample ID         | Client Sample ID | Method Chain | Matrix | Basis | MSV_LCS_EE<br>00010 | MSV_LCS_Penta<br>00053 | MSV_LCS_VOC#1<br>00213 | MSV_LL_#1_826<br>00162 | MSV_LL_#2_826<br>00172 | MSV_LL_GAS826<br>00262 |
|-----------------------|------------------|--------------|--------|-------|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| BFB<br>410-617959/1   |                  | 8260D        |        |       |                     |                        |                        |                        |                        |                        |
| IC<br>410-617959/13   |                  | 8260D        |        |       |                     |                        |                        |                        |                        |                        |
| IC<br>410-617959/14   |                  | 8260D        |        |       |                     |                        |                        | 2 uL                   | 2 uL                   | 2 uL                   |
| IC<br>410-617959/15   |                  | 8260D        |        |       |                     |                        |                        | 2 uL                   | 2 uL                   | 2 uL                   |
| IC<br>410-617959/16   |                  | 8260D        |        |       |                     |                        |                        | 2 uL                   | 2 uL                   | 2 uL                   |
| IC<br>410-617959/17   |                  | 8260D        |        |       |                     |                        |                        | 2 uL                   | 2 uL                   | 2 uL                   |
| IC<br>410-617959/18   |                  | 8260D        |        |       |                     |                        |                        | 5 uL                   | 5 uL                   | 5 uL                   |
| ICIS<br>410-617959/19 |                  | 8260D        |        |       |                     |                        |                        | 10 uL                  | 10 uL                  | 10 uL                  |
| IC<br>410-617959/20   |                  | 8260D        |        |       |                     |                        |                        | 25 uL                  | 25 uL                  | 25 uL                  |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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## GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229793-1

SDG No.: \_\_\_\_\_

Batch Number: 617959 Batch Start Date: 03/17/25 15:00 Batch Analyst: Kephart, KaylaBatch Method: 8260D Batch End Date: \_\_\_\_\_

| Lab Sample ID        | Client Sample ID | Method Chain | Matrix | Basis | MSV_LCS_EE<br>00010 | MSV_LCS_Penta<br>00053 | MSV_LCS_VOC#1<br>00213 | MSV_LL_#1_826<br>00162 | MSV_LL_#2_826<br>00172 | MSV_LL_GAS826<br>00262 |
|----------------------|------------------|--------------|--------|-------|---------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ICV<br>410-617959/22 |                  | 8260D        |        |       | 12.5 uL             | 12.5 uL                | 12.5 uL                |                        |                        |                        |

| Lab Sample ID         | Client Sample ID | Method Chain | Matrix | Basis | MSV_LLcentISS<br>00016 | MSV_QC_Gas826<br>00250 | MSV_V_BFB<br>00018 |  |  |  |
|-----------------------|------------------|--------------|--------|-------|------------------------|------------------------|--------------------|--|--|--|
| BFB<br>410-617959/1   |                  | 8260D        |        |       |                        |                        | 1 uL               |  |  |  |
| IC<br>410-617959/13   |                  | 8260D        |        |       | 5 uL                   |                        |                    |  |  |  |
| IC<br>410-617959/14   |                  | 8260D        |        |       | 5 uL                   |                        |                    |  |  |  |
| IC<br>410-617959/15   |                  | 8260D        |        |       | 5 uL                   |                        |                    |  |  |  |
| IC<br>410-617959/16   |                  | 8260D        |        |       | 5 uL                   |                        |                    |  |  |  |
| IC<br>410-617959/17   |                  | 8260D        |        |       | 5 uL                   |                        |                    |  |  |  |
| IC<br>410-617959/18   |                  | 8260D        |        |       | 5 uL                   |                        |                    |  |  |  |
| ICIS<br>410-617959/19 |                  | 8260D        |        |       | 5 uL                   |                        |                    |  |  |  |
| IC<br>410-617959/20   |                  | 8260D        |        |       | 5 uL                   |                        |                    |  |  |  |
| ICV<br>410-617959/22  |                  | 8260D        |        |       | 5 uL                   | 12.5 uL                |                    |  |  |  |

| Batch Notes |  |
|-------------|--|
|             |  |

| Basis | Basis Description |
|-------|-------------------|
|       |                   |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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## GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229793-1

SDG No.: \_\_\_\_\_

Batch Number: 666534 Batch Start Date: 07/03/25 08:45 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: \_\_\_\_\_

| Lab Sample ID         | Client Sample ID       | Method Chain | Matrix | Basis | InitialAmount | FinalAmount | Initial pH | ResidualChloCh<br>eck | Headspace | Lot#Vial |
|-----------------------|------------------------|--------------|--------|-------|---------------|-------------|------------|-----------------------|-----------|----------|
| BFB<br>410-666534/1   |                        | 8260D        |        |       | 1 uL          | 1 uL        |            |                       |           |          |
| CCVIS<br>410-666534/3 |                        | 8260D        |        |       | 25 mL         | 25 mL       |            |                       |           | 431127   |
| LCS<br>410-666534/4   |                        | 8260D        |        |       | 25 mL         | 25 mL       |            |                       |           | 431127   |
| LCSD<br>410-666534/5  |                        | 8260D        |        |       | 25 mL         | 25 mL       |            |                       |           | 431127   |
| MB 410-666534/7       |                        | 8260D        |        |       | 25 mL         | 25 mL       |            |                       |           | 431127   |
| 410-229793-A-14       | HD-QC1-0/1-2           | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-1        | HD-COD-SW-6-0/1-0      | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-2        | HD-COD-SW-7-0/1-0      | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-3        | HD-COD-SW-8-0/1-0      | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-4        | HD-COD-SW-9-0/1-0      | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-5        | HD-COD-SW-13-0/1-0     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-6        | HD-COD-SW-15-0/1-0     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-6<br>MS  | HD-COD-SW-15-0/1-0 MS  | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-6<br>MSD | HD-COD-SW-15-0/1-0 MSD | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-7        | HD-COD-SW-16-0/1-0     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-9        | HD-COD-SW-26-0/1-0     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-10       | HD-COD-SW-27-0/1-0     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-11       | HD-COD-SW-28-0/1-0     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-12       | HD-COD-SW-29-0/1-0     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-A-8        | HD-COD-SW-17-0/1-0     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |
| 410-229793-B-8        | HD-COD-SW-17-0/1-0     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         | 431127   |
| 410-229793-A-13       | HD-QC1-0/1-1           | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         |          |

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.

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## GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229793-1

SDG No.: \_\_\_\_\_

Batch Number: 666534 Batch Start Date: 07/03/25 08:45 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: \_\_\_\_\_

| Lab Sample ID   | Client Sample ID | Method Chain | Matrix | Basis | InitialAmount | FinalAmount | Initial pH | ResidualChloCh<br>eck | Headspace | Lot#Vial |
|-----------------|------------------|--------------|--------|-------|---------------|-------------|------------|-----------------------|-----------|----------|
| 410-229793-B-13 | HD-QC1-0/1-1     | 8260D        | Water  | T     | 25 mL         | 25 mL       | <2 SU      | N                     | N         | 431127   |

| Lab Sample ID         | Client Sample ID       | Method Chain | Matrix | Basis | MSV_LCS_VOC#1<br>00226 | MSV_LL_#1_826<br>00170 | MSV_LL_#2_826<br>00184 | MSV_LL_GAS826<br>00278 | MSV_LLcentISS<br>00017 | MSV_QC_Gas826<br>00267 |
|-----------------------|------------------------|--------------|--------|-------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| BFB<br>410-666534/1   |                        | 8260D        |        |       |                        |                        |                        |                        |                        |                        |
| CCVIS<br>410-666534/3 |                        | 8260D        |        |       |                        | 25 uL                  | 25 uL                  | 25 uL                  | 5 uL                   |                        |
| LCS<br>410-666534/4   |                        | 8260D        |        |       | 12.5 uL                |                        |                        |                        | 5 uL                   | 12.5 uL                |
| LCSD<br>410-666534/5  |                        | 8260D        |        |       | 12.5 uL                |                        |                        |                        | 5 uL                   | 12.5 uL                |
| MB 410-666534/7       |                        | 8260D        |        |       |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-14       | HD-QC1-0/1-2           | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-1        | HD-COD-SW-6-0/1-0      | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-2        | HD-COD-SW-7-0/1-0      | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-3        | HD-COD-SW-8-0/1-0      | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-4        | HD-COD-SW-9-0/1-0      | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-5        | HD-COD-SW-13-0/1-0     | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-6        | HD-COD-SW-15-0/1-0     | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-6<br>MS  | HD-COD-SW-15-0/1-0 MS  | 8260D        | Water  | T     | 5.38 uL                |                        |                        |                        | 5 uL                   | 5.38 uL                |
| 410-229793-A-6<br>MSD | HD-COD-SW-15-0/1-0 MSD | 8260D        | Water  | T     | 5.38 uL                |                        |                        |                        | 5 uL                   | 5.38 uL                |
| 410-229793-A-7        | HD-COD-SW-16-0/1-0     | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-9        | HD-COD-SW-26-0/1-0     | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-10       | HD-COD-SW-27-0/1-0     | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-11       | HD-COD-SW-28-0/1-0     | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-12       | HD-COD-SW-29-0/1-0     | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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## GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229793-1

SDG No.: \_\_\_\_\_

Batch Number: 666534 Batch Start Date: 07/03/25 08:45 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: \_\_\_\_\_

| Lab Sample ID   | Client Sample ID       | Method Chain | Matrix | Basis | MSV_LCS_VOC#1<br>00226 | MSV_LL_#1_826<br>00170 | MSV_LL_#2_826<br>00184 | MSV_LL_GAS826<br>00278 | MSV_LLcentISS<br>00017 | MSV_QC_Gas826<br>00267 |
|-----------------|------------------------|--------------|--------|-------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| 410-229793-A-8  | HD-COD-SW-17-0/<br>1-0 | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-B-8  | HD-COD-SW-17-0/<br>1-0 | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-A-13 | HD-QC1-0/1-1           | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |
| 410-229793-B-13 | HD-QC1-0/1-1           | 8260D        | Water  | T     |                        |                        |                        |                        | 5 uL                   |                        |

| Lab Sample ID         | Client Sample ID           | Method Chain | Matrix | Basis | MSV_V_BFB<br>00019 |  |  |  |  |  |
|-----------------------|----------------------------|--------------|--------|-------|--------------------|--|--|--|--|--|
| BFB<br>410-666534/1   |                            | 8260D        |        |       | 1 uL               |  |  |  |  |  |
| CCVIS<br>410-666534/3 |                            | 8260D        |        |       |                    |  |  |  |  |  |
| LCS<br>410-666534/4   |                            | 8260D        |        |       |                    |  |  |  |  |  |
| LCSD<br>410-666534/5  |                            | 8260D        |        |       |                    |  |  |  |  |  |
| MB 410-666534/7       |                            | 8260D        |        |       |                    |  |  |  |  |  |
| 410-229793-A-14       | HD-QC1-0/1-2               | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-1        | HD-COD-SW-6-0/1<br>-0      | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-2        | HD-COD-SW-7-0/1<br>-0      | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-3        | HD-COD-SW-8-0/1<br>-0      | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-4        | HD-COD-SW-9-0/1<br>-0      | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-5        | HD-COD-SW-13-0/<br>1-0     | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-6        | HD-COD-SW-15-0/<br>1-0     | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-6<br>MS  | HD-COD-SW-15-0/<br>1-0 MS  | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-6<br>MSD | HD-COD-SW-15-0/<br>1-0 MSD | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-7        | HD-COD-SW-16-0/<br>1-0     | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-9        | HD-COD-SW-26-0/<br>1-0     | 8260D        | Water  | T     |                    |  |  |  |  |  |

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.

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## GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Lancaster Laboratories Job No.: 410-229793-1

SDG No.: \_\_\_\_\_

Batch Number: 666534 Batch Start Date: 07/03/25 08:45 Batch Analyst: Ressler, EricBatch Method: 8260D Batch End Date: \_\_\_\_\_

| Lab Sample ID   | Client Sample ID       | Method Chain | Matrix | Basis | MSV_V_BFB<br>000I9 |  |  |  |  |  |
|-----------------|------------------------|--------------|--------|-------|--------------------|--|--|--|--|--|
| 410-229793-A-10 | HD-COD-SW-27-0/<br>1-0 | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-11 | HD-COD-SW-28-0/<br>1-0 | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-12 | HD-COD-SW-29-0/<br>1-0 | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-8  | HD-COD-SW-17-0/<br>1-0 | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-B-8  | HD-COD-SW-17-0/<br>1-0 | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-A-13 | HD-QC1-0/1-1           | 8260D        | Water  | T     |                    |  |  |  |  |  |
| 410-229793-B-13 | HD-QC1-0/1-1           | 8260D        | Water  | T     |                    |  |  |  |  |  |

| Batch Notes |  |
|-------------|--|
|             |  |
|             |  |

| Basis | Basis Description |
|-------|-------------------|
| T     | Total/NA          |

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

# Shipping and Receiving Documents



Lancaster Laboratories  
Environmental



410-229793 Chain of Custody

# Analysis Request/Chain of Custody

| Client: <b>Groundwater Sciences Corporation</b>                                                           |         |      |            | Matrix                                                                              |      | Analyses Requested                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |                                                      |       |                                   |                       |                          |  |          |       | For Lab Use Only                                                                                                                                                                                                                                            |  |                                                  |  |         |  |  |                              |
|-----------------------------------------------------------------------------------------------------------|---------|------|------------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------------------------|-------|-----------------------------------|-----------------------|--------------------------|--|----------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------|--|---------|--|--|------------------------------|
| Project Name/ #: <b>fYNOP Monthly Surface Water</b>                                                       |         |      |            | Site ID #: <b>fYNOP, York PA</b>                                                    |      | Preservation Codes                                                                                                                                                                                                                                                                                                                                                                                                                                          |      |                                                      |       |                                   |                       |                          |  |          |       | SF #: _____                                                                                                                                                                                                                                                 |  |                                                  |  |         |  |  |                              |
| Project Manager: <b>Chris O'Neil</b>                                                                      |         |      |            | P.O. #: <b>10012.53</b>                                                             |      | H                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |                                                      |       |                                   |                       |                          |  |          |       | SCR #: _____                                                                                                                                                                                                                                                |  |                                                  |  |         |  |  |                              |
| Sampler: <b>Casey Littlefield / Lucas Grimm</b>                                                           |         |      |            | PWSID #: <b>N/A</b>                                                                 |      | <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Tissue<br/> <input type="checkbox"/> Ground<br/> <input checked="" type="checkbox"/> Surface<br/> <input type="checkbox"/> Potable<br/> <input type="checkbox"/> NPDES<br/> <input type="checkbox"/> Water<br/> <input type="checkbox"/> Other:         </div> <div> <input type="checkbox"/> Sediment<br/> <input type="checkbox"/> Soil         </div> </div> |      |                                                      |       |                                   |                       |                          |  |          |       | <div>           Preservation Codes<br/>           H = HCl      T = Thiosulfate<br/>           N = HNO<sub>3</sub>      B = NaOH<br/>           S = H<sub>2</sub>SO<sub>4</sub>      P = H<sub>3</sub>PO<sub>4</sub><br/>           O = Other         </div> |  |                                                  |  |         |  |  |                              |
| Phone #: <b>(717) 901-8176 / (717) 756-1246</b>                                                           |         |      |            | Quote #: _____                                                                      |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                      |       |                                   |                       |                          |  |          |       | Total # of Containers                                                                                                                                                                                                                                       |  | Aqueous VOCs via 8260D (low level - 25 ml purge) |  | Remarks |  |  |                              |
| State where samples were collected: <b>York, PA</b>                                                       |         |      |            | For Compliance: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                      |       |                                   |                       |                          |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| Sample Identification                                                                                     |         |      | Collection |                                                                                     | Grab | Composite                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Soil | Sediment                                             | Water | Other:                            | Total # of Containers | H                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  | Remarks                      |
|                                                                                                           | Date    | Time |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                      |       |                                   |                       |                          |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| HD-COD-SW-6-0/1-0                                                                                         | 6/25/25 | 0712 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  | All samples preserved on ice |
| HD-COD-SW-7-0/1-0                                                                                         |         | 0748 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| HD-COD-SW-8-0/1-0                                                                                         |         | 0615 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| HD-COD-SW-9-0/1-0                                                                                         |         | 0835 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| HD-COD-SW-13-0/1-0                                                                                        |         | 0628 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| HD-COD-SW-15-0/1-0                                                                                        |         | 0815 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| HD-COD-SW-15-0/1-0 MS                                                                                     |         | 0815 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| HD-COD-SW-15-0/1-0 MSD                                                                                    |         | 0815 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| HD-COD-SW-16-0/1-0                                                                                        |         | 0645 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| HD-COD-SW-17-0/1-0                                                                                        |         | 0657 | X          |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | X                                                    |       |                                   | 3                     | X                        |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| Turnaround Time Requested (TAT) (please check):                                                           |         |      |            |                                                                                     |      | Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                  |      | Relinquished by:                                     |       | Date                              | Time                  | Received by:             |  | Date     | Time  |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| (Rush TAT is subject to laboratory approval and surcharges.)                                              |         |      |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | <i>[Signature]</i>                                   |       | 6/25/25                           | 0915                  | <i>[Signature]</i>       |  | 6/26/25  | 9:15  |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| Date results are needed: <b>STANDARD</b>                                                                  |         |      |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | Relinquished by:                                     |       | Date                              | Time                  | Received by:             |  | Date     | Time  |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| Rush results requested by (please check):                                                                 |         |      |            |                                                                                     |      | E-Mail <input checked="" type="checkbox"/> Phone <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                   |      | <i>[Signature]</i>                                   |       | 6/26/25                           | 1654                  |                          |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| E-mail Address: <b>6N-FILE</b>                                                                            |         |      |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | Relinquished by:                                     |       | Date                              | Time                  | Received by:             |  | Date     | Time  |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| Phone:                                                                                                    |         |      |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                      |       |                                   |                       |                          |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| Data Package Options (please check if required)                                                           |         |      |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | Relinquished by:                                     |       | Date                              | Time                  | Received by:             |  | Date     | Time  |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| Type I (Validation/non-CLP) <input type="checkbox"/> MA MCP <input type="checkbox"/>                      |         |      |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                      |       |                                   |                       |                          |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| Type III (Reduced non-CLP) <input type="checkbox"/> CT RCP <input type="checkbox"/>                       |         |      |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | Relinquished by:                                     |       | Date                              | Time                  | Received by:             |  | Date     | Time  |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| Type VI (Raw Data Only) <input type="checkbox"/> TX TRRP-13 <input type="checkbox"/>                      |         |      |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | <i>[Signature]</i>                                   |       |                                   |                       | <i>[Signature]</i>       |  | 6/26/25  | 16:54 |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| NJ DKQP <input type="checkbox"/> NYSDEC Category <input type="checkbox"/> A or <input type="checkbox"/> B |         |      |            |                                                                                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      | Relinquished by Commercial Carrier:                  |       |                                   |                       | Temperature upon receipt |  | R 4.0 °C |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |
| EDD Required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                         |         |      |            |                                                                                     |      | If yes, format: _____                                                                                                                                                                                                                                                                                                                                                                                                                                       |      | CLP Like Deliverables, Project Specific Analyte List |       | UPS _____ FedEx _____ Other _____ |                       | C 4.1                    |  |          |       |                                                                                                                                                                                                                                                             |  |                                                  |  |         |  |  |                              |

### **Environmental Analysis Request/Chain of Custody**

[illegible]

## Login Sample Receipt Checklist

Client: Groundwater Sciences Corporation

Job Number: 410-229793-1

Login Number: 229793

List Number: 2

Creator: Phillips, Ann-Marie E

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

| 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.                                                   | 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.                                                | True   |         |
| VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?     | True   |         |