

## **DATA PACKAGE**

VOLATILE ORGANICS  
GC SEMI-VOLATILES

**PROJECT NAME : STOCKTON**

**G ENVIRONMENTAL**

**8 Carriage Ln**

**Succasunna, NJ - 07876**

**Phone No: 973-294-1771**

**ORDER ID : Q1851**

**ATTENTION : Gary Landis**



**Laboratory Certification ID # 20012**



|                                   |     |
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# DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

1

Laboratory Name : Alliance Technical Group LLC Client : G Environmental  
 Project Location : NJ Project Number : - Stockton  
 Laboratory Sample ID(s) : Q1851 Sampling Date(s) : 4/21/2025  
 List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260D,NJEPH,SOP**

|    |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                             |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1A | Were the method specified handling, preservation, and holding time requirements met?                                                                                                                                                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1B | EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)                                                                                                                                                                             | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A                                                                            |
| 2  | Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?                                                                                                                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 3  | Were samples received at an appropriate temperature (4±2° C)?                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A                                                                            |
| 4  | Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?                                                                                                                                                                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                         |
| 5  | a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?<br><br>b)Were these reporting limits met?                                                                                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| 6  | For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?                                                                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 7  | Are project-specific matrix spikes and/or laboratory duplicates included in this data set?                                                                                                                                                                                                          | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                         |

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

## Cover Page

**Order ID :** Q1851

**Project ID :** Stockton

**Client :** G Environmental

**Lab Sample Number**

Q1851-01  
Q1851-02  
Q1851-03  
Q1851-04  
Q1851-05  
Q1851-06  
Q1851-07

**Client Sample Number**

DP5  
DP6  
DP7  
DP8  
GP5  
GP6  
GP7

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature :

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 1:57 pm, Apr 29, 2025*

Date: 4/25/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

### **G Environmental**

**Project Name: Stockton**

**Project # N/A**

**Chemtech Project # Q1851**

**Test Name: VOCMS Group1**

#### **A. Number of Samples and Date of Receipt:**

7 Solid samples were received on 04/21/2025.

#### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: EPH\_NF, SVOCMS Group1, VOC-TCLVOA-10 and VOCMS Group1. This data package contains results for VOCMS Group1.

#### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_Y were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #138 68. The analysis of VOCMS Group1 was based on method 8260D.

#### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for GP6 [4-Bromofluorobenzene - 56%] this compound did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82Y032725S.M) for Methylene Chloride is passing on Linear Regression.

The %RSD is greater than 20% in the Initial Calibration method (82Y042225S.M) for Acetone is passing on Linear Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

**E. Additional Comments:**

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

---

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**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 1:58 pm, Apr 29, 2025*

Signature \_\_\_\_\_

## **CASE NARRATIVE**

### **G Environmental**

**Project Name: Stockton**

**Project # N/A**

**Chemtech Project # Q1851**

**Test Name: EPH\_NF**

#### **A. Number of Samples and Date of Receipt:**

7 Solid samples were received on 04/21/2025.

#### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: EPH\_NF, SVOCMS Group1, VOC-TCLVOA-10 and VOCMS Group1. This data package contains results for EPH\_NF.

#### **C. Analytical Techniques:**

The analysis were performed on instrument FID\_E. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis were performed on instrument FID\_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of EPH\_NFs was based on method NJEPH and extraction was done based on method 3541.

#### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {Q1848-03MS} with File ID: FG015739.D recoveries met the requirements for all compounds except for Aliphatic C28-C40[29.9%], Aliphatic C9-C28[32.5%] Due to matrix interference.

The MSD {Q1848-03MSD} with File ID: FG015740.D recoveries met the acceptable requirements except for Aliphatic C28-C40[21.6%], Aliphatic C9-C28[30%] Due to matrix interference .

The RPD for {Q1848-03MSD} with File ID: FG015740.D met criteria except for Aliphatic C28-C40[32.2%] due to difference in results of MS and MSD .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

**E. Additional Comments:**

The soil samples results are based on a dry weight basis.

**F. Manual Integration Comments:**

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_\_\_\_\_

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 1:58 pm, Apr 29, 2025*

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| U     | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                                                                      |
| ND    | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| J     | Indicates an estimated value. This flag is used: <ol style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ol> |
| B     | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| E     | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| P     | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.                                                                                                                                                                                                                                                                                                                                                                             |
| N     | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                                                                       |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Q     | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1851

Completed

For thorough review, the report must have the following:

#### GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

#### COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

#### CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 04/25/2025

**Hit Summary Sheet**  
SW-846

SDG No.: Q1851

Client: G Environmental

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|
|-----------|-----------|--------|-----------|---------------|---|-----|-----|-------|

Client ID:

0

Total Voc :

Total Concentration:

A

B

C

D

E

F

G

H

I

J



# SAMPLE DATA

### Report of Analysis

|                    |                 |           |                 |              |    |
|--------------------|-----------------|-----------|-----------------|--------------|----|
| Client:            | G Environmental |           | Date Collected: | 04/21/25     |    |
| Project:           | Stockton        |           | Date Received:  | 04/21/25     |    |
| Client Sample ID:  | GP5             |           | SDG No.:        | Q1851        |    |
| Lab Sample ID:     | Q1851-05        |           | Matrix:         | SOIL         |    |
| Analytical Method: | SW8260          |           | % Solid:        | 97.5         |    |
| Sample Wt/Vol:     | 5.12            | Units: g  | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW          |    |
| Prep Method :      |                 |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021948.D        | 1         |           | 04/21/25 15:08 | VY042125      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                          |       |           |      |            |                   |
| 74-87-3        | Chloromethane            | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride           | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane             | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane             | 1.30  | U         | 1.30 | 5.00       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol       | 13.7  | U         | 13.7 | 25.0       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene       | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                  | 4.70  | U         | 4.70 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide         | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.73  | U         | 0.73 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride       | 3.50  | U         | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene | 0.86  | U         | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane       | 0.80  | U         | 0.80 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone               | 6.60  | U         | 6.60 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride     | 0.97  | U         | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene   | 0.75  | U         | 0.75 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform               | 0.84  | U         | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.93  | U         | 0.93 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                  | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane       | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene          | 0.81  | U         | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane      | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane     | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone     | 3.60  | U         | 3.60 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                  | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 10061-02-6     | t-1,3-Dichloropropene    | 0.65  | U         | 0.65 | 5.00       | ug/Kg             |
| 10061-01-5     | cis-1,3-Dichloropropene  | 0.62  | U         | 0.62 | 5.00       | ug/Kg             |
| 79-00-5        | 1,1,2-Trichloroethane    | 0.92  | U         | 0.92 | 5.00       | ug/Kg             |
| 591-78-6       | 2-Hexanone               | 3.70  | U         | 3.70 | 25.0       | ug/Kg             |
| 124-48-1       | Dibromochloromethane     | 0.87  | U         | 0.87 | 5.00       | ug/Kg             |
| 127-18-4       | Tetrachloroethene        | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                                   |                 |                      |
|--------------------|-----------------------------------|-----------------|----------------------|
| Client:            | G Environmental                   | Date Collected: | 04/21/25             |
| Project:           | Stockton                          | Date Received:  | 04/21/25             |
| Client Sample ID:  | GP5                               | SDG No.:        | Q1851                |
| Lab Sample ID:     | Q1851-05                          | Matrix:         | SOIL                 |
| Analytical Method: | SW8260                            | % Solid:        | 97.5                 |
| Sample Wt/Vol:     | 5.12      Units:    g             | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                | Test:           | VOCMS Group1         |
| GC Column:         | RXI-624              ID :    0.25 | Level :         | LOW                  |
| Prep Method :      |                                   |                 |                      |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021948.D        | 1         |           | 04/21/25 15:08 | VY042125      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|-------------------|
| 108-90-7                  | Chlorobenzene             | 0.91   | U         | 0.91                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene             | 0.67   | U         | 0.67                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes               | 1.20   | U         | 1.20                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                  | 0.82   | U         | 0.82                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                   | 0.71   | U         | 0.71                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                 | 0.86   | U         | 0.86                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1.20   | U         | 1.20                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                           |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 47.8   |           | 70 (63) - 130 (155) | 96%        | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane      | 50.5   |           | 70 (70) - 130 (134) | 101%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                | 45.7   |           | 70 (74) - 130 (123) | 91%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene      | 37.3   |           | 70 (38) - 130 (136) | 75%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene        | 203000 | 7.713     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene       | 380000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5          | 315000 | 11.42     |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 109000 | 13.346    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

### Report of Analysis

|                    |                 |           |                 |              |    |
|--------------------|-----------------|-----------|-----------------|--------------|----|
| Client:            | G Environmental |           | Date Collected: | 04/21/25     |    |
| Project:           | Stockton        |           | Date Received:  | 04/21/25     |    |
| Client Sample ID:  | GP6             |           | SDG No.:        | Q1851        |    |
| Lab Sample ID:     | Q1851-06        |           | Matrix:         | SOIL         |    |
| Analytical Method: | SW8260          |           | % Solid:        | 88.9         |    |
| Sample Wt/Vol:     | 6.19            | Units: g  | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |    |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW          |    |
| Prep Method :      |                 |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021967.D        | 1         |           | 04/23/25 13:29 | VY042325      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                          |       |           |      |            |                   |
| 74-87-3        | Chloromethane            | 1.00  | U         | 1.00 | 4.50       | ug/Kg             |
| 75-01-4        | Vinyl Chloride           | 0.72  | U         | 0.72 | 4.50       | ug/Kg             |
| 74-83-9        | Bromomethane             | 0.97  | U         | 0.97 | 4.50       | ug/Kg             |
| 75-00-3        | Chloroethane             | 1.10  | U         | 1.10 | 4.50       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol       | 12.4  | U         | 12.4 | 22.7       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene       | 0.91  | U         | 0.91 | 4.50       | ug/Kg             |
| 67-64-1        | Acetone                  | 4.30  | U         | 4.30 | 22.7       | ug/Kg             |
| 75-15-0        | Carbon Disulfide         | 0.96  | U         | 0.96 | 4.50       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.66  | U         | 0.66 | 4.50       | ug/Kg             |
| 75-09-2        | Methylene Chloride       | 3.20  | U         | 3.20 | 9.10       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene | 0.78  | U         | 0.78 | 4.50       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane       | 0.73  | U         | 0.73 | 4.50       | ug/Kg             |
| 78-93-3        | 2-Butanone               | 5.90  | U         | 5.90 | 22.7       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride     | 0.88  | U         | 0.88 | 4.50       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene   | 0.68  | U         | 0.68 | 4.50       | ug/Kg             |
| 67-66-3        | Chloroform               | 0.76  | U         | 0.76 | 4.50       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.85  | U         | 0.85 | 4.50       | ug/Kg             |
| 71-43-2        | Benzene                  | 0.72  | U         | 0.72 | 4.50       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane       | 0.72  | U         | 0.72 | 4.50       | ug/Kg             |
| 79-01-6        | Trichloroethene          | 0.74  | U         | 0.74 | 4.50       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane      | 0.83  | U         | 0.83 | 4.50       | ug/Kg             |
| 75-27-4        | Bromodichloromethane     | 0.71  | U         | 0.71 | 4.50       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone     | 3.30  | U         | 3.30 | 22.7       | ug/Kg             |
| 108-88-3       | Toluene                  | 0.71  | U         | 0.71 | 4.50       | ug/Kg             |
| 10061-02-6     | t-1,3-Dichloropropene    | 0.59  | U         | 0.59 | 4.50       | ug/Kg             |
| 10061-01-5     | cis-1,3-Dichloropropene  | 0.56  | U         | 0.56 | 4.50       | ug/Kg             |
| 79-00-5        | 1,1,2-Trichloroethane    | 0.84  | U         | 0.84 | 4.50       | ug/Kg             |
| 591-78-6       | 2-Hexanone               | 3.40  | U         | 3.40 | 22.7       | ug/Kg             |
| 124-48-1       | Dibromochloromethane     | 0.79  | U         | 0.79 | 4.50       | ug/Kg             |
| 127-18-4       | Tetrachloroethene        | 0.95  | U         | 0.95 | 4.50       | ug/Kg             |

## Report of Analysis

|                    |                                   |                 |                      |
|--------------------|-----------------------------------|-----------------|----------------------|
| Client:            | G Environmental                   | Date Collected: | 04/21/25             |
| Project:           | Stockton                          | Date Received:  | 04/21/25             |
| Client Sample ID:  | GP6                               | SDG No.:        | Q1851                |
| Lab Sample ID:     | Q1851-06                          | Matrix:         | SOIL                 |
| Analytical Method: | SW8260                            | % Solid:        | 88.9                 |
| Sample Wt/Vol:     | 6.19      Units:    g             | Final Vol:      | 5000              uL |
| Soil Aliquot Vol:  | uL                                | Test:           | VOCMS Group1         |
| GC Column:         | RXI-624              ID :    0.25 | Level :         | LOW                  |
| Prep Method :      |                                   |                 |                      |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021967.D        | 1         |           | 04/23/25 13:29 | VY042325      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|-------------------|
| 108-90-7                  | Chlorobenzene             | 0.83   | U         | 0.83                | 4.50       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene             | 0.61   | U         | 0.61                | 4.50       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes               | 1.10   | U         | 1.10                | 9.10       | ug/Kg             |
| 95-47-6                   | o-Xylene                  | 0.75   | U         | 0.75                | 4.50       | ug/Kg             |
| 100-42-5                  | Styrene                   | 0.65   | U         | 0.65                | 4.50       | ug/Kg             |
| 75-25-2                   | Bromoform                 | 0.78   | U         | 0.78                | 4.50       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1.10   | U         | 1.10                | 4.50       | ug/Kg             |
| <b>SURROGATES</b>         |                           |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 45.8   |           | 70 (63) - 130 (155) | 92%        | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane      | 48.5   |           | 70 (70) - 130 (134) | 97%        | SPK: 50           |
| 2037-26-5                 | Toluene-d8                | 46.5   |           | 70 (74) - 130 (123) | 93%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene      | 28.0   | *         | 70 (38) - 130 (136) | 56%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene        | 326000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene       | 599000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5          | 448000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 115000 | 13.346    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

### Report of Analysis

|                    |                 |                 |                    |
|--------------------|-----------------|-----------------|--------------------|
| Client:            | G Environmental | Date Collected: | 04/21/25           |
| Project:           | Stockton        | Date Received:  | 04/21/25           |
| Client Sample ID:  | GP7             | SDG No.:        | Q1851              |
| Lab Sample ID:     | Q1851-07        | Matrix:         | SOIL               |
| Analytical Method: | SW8260          | % Solid:        | 93.2               |
| Sample Wt/Vol:     | 7.26            | Units: g        | Final Vol: 5000 uL |
| Soil Aliquot Vol:  |                 | uL              | Test: VOCMS Group1 |
| GC Column:         | RXI-624         | ID : 0.25       | Level : LOW        |
| Prep Method :      |                 |                 |                    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021950.D        | 1         |           | 04/21/25 15:54 | VY042125      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                          |       |           |      |            |                   |
| 74-87-3        | Chloromethane            | 0.84  | U         | 0.84 | 3.70       | ug/Kg             |
| 75-01-4        | Vinyl Chloride           | 0.58  | U         | 0.58 | 3.70       | ug/Kg             |
| 74-83-9        | Bromomethane             | 0.79  | U         | 0.79 | 3.70       | ug/Kg             |
| 75-00-3        | Chloroethane             | 0.93  | U         | 0.93 | 3.70       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol       | 10.1  | U         | 10.1 | 18.5       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene       | 0.74  | U         | 0.74 | 3.70       | ug/Kg             |
| 67-64-1        | Acetone                  | 3.50  | U         | 3.50 | 18.5       | ug/Kg             |
| 75-15-0        | Carbon Disulfide         | 0.78  | U         | 0.78 | 3.70       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.54  | U         | 0.54 | 3.70       | ug/Kg             |
| 75-09-2        | Methylene Chloride       | 2.60  | U         | 2.60 | 7.40       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene | 0.64  | U         | 0.64 | 3.70       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane       | 0.59  | U         | 0.59 | 3.70       | ug/Kg             |
| 78-93-3        | 2-Butanone               | 4.80  | U         | 4.80 | 18.5       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride     | 0.72  | U         | 0.72 | 3.70       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene   | 0.55  | U         | 0.55 | 3.70       | ug/Kg             |
| 67-66-3        | Chloroform               | 0.62  | U         | 0.62 | 3.70       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.69  | U         | 0.69 | 3.70       | ug/Kg             |
| 71-43-2        | Benzene                  | 0.58  | U         | 0.58 | 3.70       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane       | 0.58  | U         | 0.58 | 3.70       | ug/Kg             |
| 79-01-6        | Trichloroethene          | 0.60  | U         | 0.60 | 3.70       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane      | 0.67  | U         | 0.67 | 3.70       | ug/Kg             |
| 75-27-4        | Bromodichloromethane     | 0.58  | U         | 0.58 | 3.70       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone     | 2.60  | U         | 2.60 | 18.5       | ug/Kg             |
| 108-88-3       | Toluene                  | 0.58  | U         | 0.58 | 3.70       | ug/Kg             |
| 10061-02-6     | t-1,3-Dichloropropene    | 0.48  | U         | 0.48 | 3.70       | ug/Kg             |
| 10061-01-5     | cis-1,3-Dichloropropene  | 0.46  | U         | 0.46 | 3.70       | ug/Kg             |
| 79-00-5        | 1,1,2-Trichloroethane    | 0.68  | U         | 0.68 | 3.70       | ug/Kg             |
| 591-78-6       | 2-Hexanone               | 2.70  | U         | 2.70 | 18.5       | ug/Kg             |
| 124-48-1       | Dibromochloromethane     | 0.64  | U         | 0.64 | 3.70       | ug/Kg             |
| 127-18-4       | Tetrachloroethene        | 0.78  | U         | 0.78 | 3.70       | ug/Kg             |

## Report of Analysis

|                    |                 |                 |                    |
|--------------------|-----------------|-----------------|--------------------|
| Client:            | G Environmental | Date Collected: | 04/21/25           |
| Project:           | Stockton        | Date Received:  | 04/21/25           |
| Client Sample ID:  | GP7             | SDG No.:        | Q1851              |
| Lab Sample ID:     | Q1851-07        | Matrix:         | SOIL               |
| Analytical Method: | SW8260          | % Solid:        | 93.2               |
| Sample Wt/Vol:     | 7.26            | Units: g        | Final Vol: 5000 uL |
| Soil Aliquot Vol:  |                 | uL              | Test: VOCMS Group1 |
| GC Column:         | RXI-624         | ID : 0.25       | Level : LOW        |
| Prep Method :      |                 |                 |                    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021950.D        | 1         |           | 04/21/25 15:54 | VY042125      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|-------------------|
| 108-90-7                  | Chlorobenzene             | 0.67   | U         | 0.67                | 3.70       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene             | 0.50   | U         | 0.50                | 3.70       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes               | 0.92   | U         | 0.92                | 7.40       | ug/Kg             |
| 95-47-6                   | o-Xylene                  | 0.61   | U         | 0.61                | 3.70       | ug/Kg             |
| 100-42-5                  | Styrene                   | 0.52   | U         | 0.52                | 3.70       | ug/Kg             |
| 75-25-2                   | Bromoform                 | 0.64   | U         | 0.64                | 3.70       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.89   | U         | 0.89                | 3.70       | ug/Kg             |
| <b>SURROGATES</b>         |                           |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 53.9   |           | 70 (63) - 130 (155) | 108%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane      | 51.6   |           | 70 (70) - 130 (134) | 103%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                | 49.3   |           | 70 (74) - 130 (123) | 99%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene      | 38.9   |           | 70 (38) - 130 (136) | 78%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene        | 209000 | 7.713     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene       | 399000 | 8.615     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5          | 345000 | 11.42     |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 120000 | 13.346    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# QC SUMMARY

A

B

C

D

E

F

G

H

I

J

### Surrogate Summary

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | RecoveryQual | Limits  |           |
|---------------|--------------|-----------------------|-------|--------|--------------|---------|-----------|
|               |              |                       |       |        |              | Low     | High      |
| Q1851-05      | GP5          | 1,2-Dichloroethane-d4 | 50    | 47.8   | 96           | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 50.5   | 101          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 45.7   | 91           | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 37.3   | 75           | 70 (38) | 130 (136) |
| Q1851-06      | GP6          | 1,2-Dichloroethane-d4 | 50    | 45.8   | 92           | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 48.5   | 97           | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 46.5   | 93           | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 28.1   | 56 *         | 70 (38) | 130 (136) |
| Q1851-07      | GP7          | 1,2-Dichloroethane-d4 | 50    | 53.9   | 108          | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 51.6   | 103          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 49.3   | 99           | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 38.9   | 78           | 70 (38) | 130 (136) |
| VY0421SBL01   | VY0421SBL01  | 1,2-Dichloroethane-d4 | 50    | 50.5   | 101          | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 52.0   | 104          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 47.9   | 96           | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 40.1   | 80           | 70 (38) | 130 (136) |
| VY0421SBS01   | VY0421SBS01  | 1,2-Dichloroethane-d4 | 50    | 49.6   | 99           | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 50.8   | 102          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 51.0   | 102          | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 50.9   | 102          | 70 (38) | 130 (136) |
| VY0421SBSD01  | VY0421SBSD01 | 1,2-Dichloroethane-d4 | 50    | 50.5   | 101          | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 51.9   | 104          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 51.2   | 102          | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 51.5   | 103          | 70 (38) | 130 (136) |
| VY0423SBL01   | VY0423SBL01  | 1,2-Dichloroethane-d4 | 50    | 51.1   | 102          | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 50.0   | 100          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 47.6   | 95           | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 38.5   | 77           | 70 (38) | 130 (136) |
| VY0423SBS01   | VY0423SBS01  | 1,2-Dichloroethane-d4 | 50    | 51.4   | 103          | 70 (63) | 130 (155) |
|               |              | Dibromofluoromethane  | 50    | 51.5   | 103          | 70 (70) | 130 (134) |
|               |              | Toluene-d8            | 50    | 52.0   | 104          | 70 (74) | 130 (123) |
|               |              | 4-Bromofluorobenzene  | 50    | 50.6   | 101          | 70 (38) | 130 (136) |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021937.D

| Lab Sample ID | Parameter                 | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|---------------------------|-------|--------|-------|-----|-----|------|---------|----------------|-----|
| VY0421SBS01   | Chloromethane             | 20    | 20.3   | ug/Kg | 102 |     |      | 40 (70) | 160 (130)      |     |
|               | Vinyl chloride            | 20    | 19.1   | ug/Kg | 96  |     |      | 70 (72) | 130 (129)      |     |
|               | Bromomethane              | 20    | 20.8   | ug/Kg | 104 |     |      | 40 (58) | 160 (141)      |     |
|               | Chloroethane              | 20    | 20.2   | ug/Kg | 101 |     |      | 40 (69) | 160 (130)      |     |
|               | Tert butyl alcohol        | 100   | 85.4   | ug/Kg | 85  |     |      | 70 (24) | 130 (175)      |     |
|               | 1,1-Dichloroethene        | 20    | 18.9   | ug/Kg | 95  |     |      | 70 (79) | 130 (121)      |     |
|               | Acetone                   | 100   | 97.7   | ug/Kg | 98  |     |      | 40 (60) | 160 (131)      |     |
|               | Carbon disulfide          | 20    | 17.9   | ug/Kg | 90  |     |      | 40 (45) | 160 (154)      |     |
|               | Methyl tert-butyl Ether   | 20    | 19.1   | ug/Kg | 96  |     |      | 70 (77) | 130 (129)      |     |
|               | Methylene Chloride        | 20    | 19.9   | ug/Kg | 100 |     |      | 70 (56) | 130 (174)      |     |
|               | trans-1,2-Dichloroethene  | 20    | 19.7   | ug/Kg | 99  |     |      | 70 (80) | 130 (123)      |     |
|               | 1,1-Dichloroethane        | 20    | 20.7   | ug/Kg | 104 |     |      | 70 (82) | 130 (123)      |     |
|               | 2-Butanone                | 100   | 94.9   | ug/Kg | 95  |     |      | 40 (69) | 160 (131)      |     |
|               | Carbon Tetrachloride      | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (76) | 130 (129)      |     |
|               | cis-1,2-Dichloroethene    | 20    | 20.2   | ug/Kg | 101 |     |      | 70 (82) | 130 (123)      |     |
|               | Chloroform                | 20    | 21.1   | ug/Kg | 106 |     |      | 70 (82) | 130 (125)      |     |
|               | 1,1,1-Trichloroethane     | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (80) | 130 (126)      |     |
|               | Benzene                   | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (84) | 130 (121)      |     |
|               | 1,2-Dichloroethane        | 20    | 20.3   | ug/Kg | 102 |     |      | 70 (81) | 130 (126)      |     |
|               | Trichloroethene           | 20    | 20.9   | ug/Kg | 104 |     |      | 70 (83) | 130 (122)      |     |
|               | 1,2-Dichloropropane       | 20    | 21.0   | ug/Kg | 105 |     |      | 70 (83) | 130 (122)      |     |
|               | Bromodichloromethane      | 20    | 20.8   | ug/Kg | 104 |     |      | 70 (82) | 130 (123)      |     |
|               | 4-Methyl-2-Pentanone      | 100   | 96.1   | ug/Kg | 96  |     |      | 40 (70) | 160 (135)      |     |
|               | Toluene                   | 20    | 21.0   | ug/Kg | 105 |     |      | 70 (83) | 130 (122)      |     |
|               | t-1,3-Dichloropropene     | 20    | 19.6   | ug/Kg | 98  |     |      | 70 (78) | 130 (124)      |     |
|               | cis-1,3-Dichloropropene   | 20    | 20.1   | ug/Kg | 101 |     |      | 70 (81) | 130 (122)      |     |
|               | 1,1,2-Trichloroethane     | 20    | 20.9   | ug/Kg | 104 |     |      | 70 (82) | 130 (125)      |     |
|               | 2-Hexanone                | 100   | 95.4   | ug/Kg | 95  |     |      | 40 (66) | 160 (138)      |     |
|               | Dibromochloromethane      | 20    | 21.3   | ug/Kg | 106 |     |      | 70 (79) | 130 (125)      |     |
|               | Tetrachloroethene         | 20    | 22.0   | ug/Kg | 110 |     |      | 70 (83) | 130 (125)      |     |
|               | Chlorobenzene             | 20    | 20.3   | ug/Kg | 102 |     |      | 70 (84) | 130 (122)      |     |
|               | Ethyl Benzene             | 20    | 19.4   | ug/Kg | 97  |     |      | 70 (82) | 130 (124)      |     |
|               | m/p-Xylenes               | 40    | 40.3   | ug/Kg | 101 |     |      | 70 (83) | 130 (124)      |     |
|               | o-Xylene                  | 20    | 19.6   | ug/Kg | 98  |     |      | 70 (83) | 130 (123)      |     |
|               | Styrene                   | 20    | 20.1   | ug/Kg | 101 |     |      | 70 (82) | 130 (124)      |     |
|               | Bromoform                 | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (75) | 130 (127)      |     |
|               | 1,1,2,2-Tetrachloroethane | 20    | 18.0   | ug/Kg | 90  |     |      | 70 (77) | 130 (127)      |     |

() = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021938.D

| Lab Sample ID | Parameter                 | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD     |
|---------------|---------------------------|-------|--------|-------|-----|-----|------|---------|----------------|---------|
| VY0421SBSD01  | Chloromethane             | 20    | 18.8   | ug/Kg | 94  | 8   |      | 40 (70) | 160 (130)      | 30 (20) |
|               | Vinyl chloride            | 20    | 18.4   | ug/Kg | 92  | 4   |      | 70 (72) | 130 (129)      | 30 (20) |
|               | Bromomethane              | 20    | 20.3   | ug/Kg | 102 | 2   |      | 40 (58) | 160 (141)      | 30 (20) |
|               | Chloroethane              | 20    | 18.9   | ug/Kg | 95  | 6   |      | 40 (69) | 160 (130)      | 30 (20) |
|               | Tert butyl alcohol        | 100   | 95.7   | ug/Kg | 96  | 12  |      | 70 (24) | 130 (175)      | 30 (20) |
|               | 1,1-Dichloroethene        | 20    | 18.8   | ug/Kg | 94  | 1   |      | 70 (79) | 130 (121)      | 30 (20) |
|               | Acetone                   | 100   | 96.1   | ug/Kg | 96  | 2   |      | 40 (60) | 160 (131)      | 30 (20) |
|               | Carbon disulfide          | 20    | 17.3   | ug/Kg | 86  | 5   |      | 40 (45) | 160 (154)      | 30 (20) |
|               | Methyl tert-butyl Ether   | 20    | 19.4   | ug/Kg | 97  | 1   |      | 70 (77) | 130 (129)      | 30 (20) |
|               | Methylene Chloride        | 20    | 20.1   | ug/Kg | 101 | 1   |      | 70 (56) | 130 (174)      | 30 (20) |
|               | trans-1,2-Dichloroethene  | 20    | 19.4   | ug/Kg | 97  | 2   |      | 70 (80) | 130 (123)      | 30 (20) |
|               | 1,1-Dichloroethane        | 20    | 20.4   | ug/Kg | 102 | 2   |      | 70 (82) | 130 (123)      | 30 (20) |
|               | 2-Butanone                | 100   | 97.3   | ug/Kg | 97  | 2   |      | 40 (69) | 160 (131)      | 30 (20) |
|               | Carbon Tetrachloride      | 20    | 20.0   | ug/Kg | 100 | 3   |      | 70 (76) | 130 (129)      | 30 (20) |
|               | cis-1,2-Dichloroethene    | 20    | 20.1   | ug/Kg | 101 | 0   |      | 70 (82) | 130 (123)      | 30 (20) |
|               | Chloroform                | 20    | 20.4   | ug/Kg | 102 | 4   |      | 70 (82) | 130 (125)      | 30 (20) |
|               | 1,1,1-Trichloroethane     | 20    | 19.9   | ug/Kg | 100 | 2   |      | 70 (80) | 130 (126)      | 30 (20) |
|               | Benzene                   | 20    | 20.2   | ug/Kg | 101 | 2   |      | 70 (84) | 130 (121)      | 30 (20) |
|               | 1,2-Dichloroethane        | 20    | 20.3   | ug/Kg | 102 | 0   |      | 70 (81) | 130 (126)      | 30 (20) |
|               | Trichloroethene           | 20    | 20.3   | ug/Kg | 102 | 2   |      | 70 (83) | 130 (122)      | 30 (20) |
|               | 1,2-Dichloropropane       | 20    | 20.4   | ug/Kg | 102 | 3   |      | 70 (83) | 130 (122)      | 30 (20) |
|               | Bromodichloromethane      | 20    | 20.7   | ug/Kg | 104 | 0   |      | 70 (82) | 130 (123)      | 30 (20) |
|               | 4-Methyl-2-Pentanone      | 100   | 100    | ug/Kg | 100 | 4   |      | 40 (70) | 160 (135)      | 30 (20) |
|               | Toluene                   | 20    | 20.6   | ug/Kg | 103 | 2   |      | 70 (83) | 130 (122)      | 30 (20) |
|               | t-1,3-Dichloropropene     | 20    | 19.8   | ug/Kg | 99  | 1   |      | 70 (78) | 130 (124)      | 30 (20) |
|               | cis-1,3-Dichloropropene   | 20    | 19.8   | ug/Kg | 99  | 2   |      | 70 (81) | 130 (122)      | 30 (20) |
|               | 1,1,2-Trichloroethane     | 20    | 21.9   | ug/Kg | 110 | 6   |      | 70 (82) | 130 (125)      | 30 (20) |
|               | 2-Hexanone                | 100   | 99.9   | ug/Kg | 100 | 5   |      | 40 (66) | 160 (138)      | 30 (20) |
|               | Dibromochloromethane      | 20    | 21.1   | ug/Kg | 106 | 0   |      | 70 (79) | 130 (125)      | 30 (20) |
|               | Tetrachloroethene         | 20    | 22.2   | ug/Kg | 111 | 1   |      | 70 (83) | 130 (125)      | 30 (20) |
|               | Chlorobenzene             | 20    | 20.4   | ug/Kg | 102 | 0   |      | 70 (84) | 130 (122)      | 30 (20) |
|               | Ethyl Benzene             | 20    | 19.3   | ug/Kg | 97  | 0   |      | 70 (82) | 130 (124)      | 30 (20) |
|               | m/p-Xylenes               | 40    | 40.2   | ug/Kg | 101 | 0   |      | 70 (83) | 130 (124)      | 30 (20) |
|               | o-Xylene                  | 20    | 19.7   | ug/Kg | 99  | 1   |      | 70 (83) | 130 (123)      | 30 (20) |
|               | Styrene                   | 20    | 19.9   | ug/Kg | 100 | 1   |      | 70 (82) | 130 (124)      | 30 (20) |
|               | Bromoform                 | 20    | 21.6   | ug/Kg | 108 | 5   |      | 70 (75) | 130 (127)      | 30 (20) |
|               | 1,1,2,2-Tetrachloroethane | 20    | 19.0   | ug/Kg | 95  | 5   |      | 70 (77) | 130 (127)      | 30 (20) |

() = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1851

Client: G Environmental

Analytical Method: SW8260D

Datafile : VY021964.D

| Lab Sample ID | Parameter                 | Spike | Result | Unit  | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|---------------------------|-------|--------|-------|-----|-----|------|---------|----------------|-----|
| VY0423SBS01   | Chloromethane             | 20    | 22.2   | ug/Kg | 111 |     |      | 40 (70) | 160 (130)      |     |
|               | Vinyl chloride            | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (72) | 130 (129)      |     |
|               | Bromomethane              | 20    | 24.1   | ug/Kg | 121 |     |      | 40 (58) | 160 (141)      |     |
|               | Chloroethane              | 20    | 21.5   | ug/Kg | 108 |     |      | 40 (69) | 160 (130)      |     |
|               | Tert butyl alcohol        | 100   | 97.5   | ug/Kg | 98  |     |      | 70 (24) | 130 (175)      |     |
|               | 1,1-Dichloroethene        | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (79) | 130 (121)      |     |
|               | Acetone                   | 100   | 94.7   | ug/Kg | 95  |     |      | 40 (60) | 160 (131)      |     |
|               | Carbon disulfide          | 20    | 20.6   | ug/Kg | 103 |     |      | 40 (45) | 160 (154)      |     |
|               | Methyl tert-butyl Ether   | 20    | 20.0   | ug/Kg | 100 |     |      | 70 (77) | 130 (129)      |     |
|               | Methylene Chloride        | 20    | 19.5   | ug/Kg | 98  |     |      | 70 (56) | 130 (174)      |     |
|               | trans-1,2-Dichloroethene  | 20    | 20.0   | ug/Kg | 100 |     |      | 70 (80) | 130 (123)      |     |
|               | 1,1-Dichloroethane        | 20    | 20.2   | ug/Kg | 101 |     |      | 70 (82) | 130 (123)      |     |
|               | 2-Butanone                | 100   | 96.4   | ug/Kg | 96  |     |      | 40 (69) | 160 (131)      |     |
|               | Carbon Tetrachloride      | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (76) | 130 (129)      |     |
|               | cis-1,2-Dichloroethene    | 20    | 20.3   | ug/Kg | 102 |     |      | 70 (82) | 130 (123)      |     |
|               | Chloroform                | 20    | 20.6   | ug/Kg | 103 |     |      | 70 (82) | 130 (125)      |     |
|               | 1,1,1-Trichloroethane     | 20    | 20.2   | ug/Kg | 101 |     |      | 70 (80) | 130 (126)      |     |
|               | Benzene                   | 20    | 20.7   | ug/Kg | 104 |     |      | 70 (84) | 130 (121)      |     |
|               | 1,2-Dichloroethane        | 20    | 20.7   | ug/Kg | 104 |     |      | 70 (81) | 130 (126)      |     |
|               | Trichloroethene           | 20    | 20.2   | ug/Kg | 101 |     |      | 70 (83) | 130 (122)      |     |
|               | 1,2-Dichloropropane       | 20    | 20.5   | ug/Kg | 103 |     |      | 70 (83) | 130 (122)      |     |
|               | Bromodichloromethane      | 20    | 20.7   | ug/Kg | 104 |     |      | 70 (82) | 130 (123)      |     |
|               | 4-Methyl-2-Pentanone      | 100   | 100    | ug/Kg | 100 |     |      | 40 (70) | 160 (135)      |     |
|               | Toluene                   | 20    | 20.8   | ug/Kg | 104 |     |      | 70 (83) | 130 (122)      |     |
|               | t-1,3-Dichloropropene     | 20    | 19.9   | ug/Kg | 100 |     |      | 70 (78) | 130 (124)      |     |
|               | cis-1,3-Dichloropropene   | 20    | 20.7   | ug/Kg | 104 |     |      | 70 (81) | 130 (122)      |     |
|               | 1,1,2-Trichloroethane     | 20    | 20.7   | ug/Kg | 104 |     |      | 70 (82) | 130 (125)      |     |
|               | 2-Hexanone                | 100   | 100    | ug/Kg | 100 |     |      | 40 (66) | 160 (138)      |     |
|               | Dibromochloromethane      | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (79) | 130 (125)      |     |
|               | Tetrachloroethene         | 20    | 20.4   | ug/Kg | 102 |     |      | 70 (83) | 130 (125)      |     |
|               | Chlorobenzene             | 20    | 20.2   | ug/Kg | 101 |     |      | 70 (84) | 130 (122)      |     |
|               | Ethyl Benzene             | 20    | 19.8   | ug/Kg | 99  |     |      | 70 (82) | 130 (124)      |     |
|               | m/p-Xylenes               | 40    | 40.3   | ug/Kg | 101 |     |      | 70 (83) | 130 (124)      |     |
|               | o-Xylene                  | 20    | 19.8   | ug/Kg | 99  |     |      | 70 (83) | 130 (123)      |     |
|               | Styrene                   | 20    | 20.1   | ug/Kg | 101 |     |      | 70 (82) | 130 (124)      |     |
|               | Bromoform                 | 20    | 20.2   | ug/Kg | 101 |     |      | 70 (75) | 130 (127)      |     |
|               | 1,1,2,2-Tetrachloroethane | 20    | 21.2   | ug/Kg | 106 |     |      | 70 (77) | 130 (127)      |     |

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0421SBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1851

SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021936.D

Lab Sample ID: VY0421SBL01

Date Analyzed: 04/21/2025

Time Analyzed: 09:42

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA\_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| VY0421SBS01       | VY0421SBS01      | VY021937.D     | 04/21/2025       |
| VY0421SBSD01      | VY0421SBSD01     | VY021938.D     | 04/21/2025       |
| GP5               | Q1851-05         | VY021948.D     | 04/21/2025       |
| GP7               | Q1851-07         | VY021950.D     | 04/21/2025       |

COMMENTS: \_\_\_\_\_

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0423SBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1851

SAS No.: Q1851 SDG NO.: Q1851

Lab File ID: VY021963.D

Lab Sample ID: VY0423SBL01

Date Analyzed: 04/23/2025

Time Analyzed: 10:31

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA\_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| VY0423SBS01       | VY0423SBS01      | VY021964.D     | 04/23/2025       |
| GP6               | Q1851-06         | VY021967.D     | 04/23/2025       |

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851  
Lab File ID: VY021655.D BFB Injection Date: 03/27/2025  
Instrument ID: MSVOA\_Y BFB Injection Time: 09:23  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 20.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 53                   |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 1.7 ( 2 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 86.7                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.6 ( 7.6 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 82.9 ( 95.6 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5.6 ( 6.8 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC005         | VSTDIC005        | VY021656.D     | 03/27/2025       | 10:08            |
| VSTDIC010         | VSTDIC010        | VY021657.D     | 03/27/2025       | 10:31            |
| VSTDIC020         | VSTDIC020        | VY021658.D     | 03/27/2025       | 10:54            |
| VSTDIC050         | VSTDIC050        | VY021659.D     | 03/27/2025       | 11:16            |
| VSTDIC100         | VSTDIC100        | VY021660.D     | 03/27/2025       | 11:39            |
| VSTDIC150         | VSTDIC150        | VY021661.D     | 03/27/2025       | 12:02            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851  
Lab File ID: VY021934.D BFB Injection Date: 04/21/2025  
Instrument ID: MSVOA\_Y BFB Injection Time: 08:38  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.2                 |
| 75  | 30.0 - 60.0% of mass 95            | 51.5                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 1.6 ( 1.8 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 88.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.8 ( 7.6 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 85.7 ( 96.5 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5.8 ( 6.7 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050        | VSTDCCC050       | VY021935.D     | 04/21/2025       | 09:08            |
| VY0421SBL01       | VY0421SBL01      | VY021936.D     | 04/21/2025       | 09:42            |
| VY0421SBS01       | VY0421SBS01      | VY021937.D     | 04/21/2025       | 10:18            |
| VY0421SBSD01      | VY0421SBSD01     | VY021938.D     | 04/21/2025       | 10:41            |
| GP5               | Q1851-05         | VY021948.D     | 04/21/2025       | 15:08            |
| GP7               | Q1851-07         | VY021950.D     | 04/21/2025       | 15:54            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851  
Lab File ID: VY021952.D BFB Injection Date: 04/22/2025  
Instrument ID: MSVOA\_Y BFB Injection Time: 11:33  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 16.9                 |
| 75  | 30.0 - 60.0% of mass 95            | 49.7                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 1.5 ( 1.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 88.4                 |
| 175 | 5.0 - 9.0% of mass 174             | 7.1 ( 8 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 84.9 ( 96.1 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5.5 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC005         | VSTDIC005        | VY021953.D     | 04/22/2025       | 13:39            |
| VSTDIC010         | VSTDIC010        | VY021954.D     | 04/22/2025       | 14:44            |
| VSTDIC020         | VSTDIC020        | VY021955.D     | 04/22/2025       | 15:07            |
| VSTDIC050         | VSTDIC050        | VY021956.D     | 04/22/2025       | 15:29            |
| VSTDIC100         | VSTDIC100        | VY021957.D     | 04/22/2025       | 15:52            |
| VSTDIC150         | VSTDIC150        | VY021958.D     | 04/22/2025       | 16:15            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851  
Lab File ID: VY021961.D BFB Injection Date: 04/23/2025  
Instrument ID: MSVOA\_Y BFB Injection Time: 09:27  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 15.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 48.7                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 1.4 ( 1.7 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 83.9                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.8 ( 8.1 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 83 ( 99 ) 1          |
| 177 | 5.0 - 9.0% of mass 176             | 5.3 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050        | VSTDCCC050       | VY021962.D     | 04/23/2025       | 09:57            |
| VY0423SBL01       | VY0423SBL01      | VY021963.D     | 04/23/2025       | 10:31            |
| VY0423SBS01       | VY0423SBS01      | VY021964.D     | 04/23/2025       | 11:07            |
| GP6               | Q1851-06         | VY021967.D     | 04/23/2025       | 13:29            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851  
Lab File ID: VY021935.D Date Analyzed: 04/21/2025  
Instrument ID: MSVOA\_Y Time Analyzed: 09:08  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #  |
|----------------|---------------|-------|---------------|-------|---------------|-------|
| 12 HOUR STD    | 190380        | 7.71  | 283274        | 8.62  | 258729        | 11.42 |
| UPPER LIMIT    | 380760        | 8.207 | 566548        | 9.116 | 517458        | 11.92 |
| LOWER LIMIT    | 95190         | 7.207 | 141637        | 8.116 | 129365        | 10.92 |
| EPA SAMPLE NO. |               |       |               |       |               |       |
| GP5            | 202834        | 7.71  | 379948        | 8.62  | 314728        | 11.42 |
| GP7            | 209157        | 7.71  | 398558        | 8.62  | 345335        | 11.42 |
| VY0421SBL01    | 238181        | 7.71  | 431702        | 8.62  | 370399        | 11.42 |
| VY0421SBS01    | 181890        | 7.71  | 285604        | 8.62  | 261318        | 11.42 |
| VY0421SBSD01   | 184070        | 7.71  | 287552        | 8.62  | 258721        | 11.41 |

IS1 = Pentafluorobenzene  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851  
Lab File ID: VY021935.D Date Analyzed: 04/21/2025  
Instrument ID: MSVOA\_Y Time Analyzed: 09:08  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 137455        | 13.347 |  |  |  |  |
| UPPER LIMIT    | 274910        | 13.847 |  |  |  |  |
| LOWER LIMIT    | 68727.5       | 12.847 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| GP5            | 108735        | 13.35  |  |  |  |  |
| GP7            | 119952        | 13.35  |  |  |  |  |
| VY0421SBL01    | 140852        | 13.35  |  |  |  |  |
| VY0421SBS01    | 139221        | 13.35  |  |  |  |  |
| VY0421SBSD01   | 136375        | 13.35  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851  
Lab File ID: VY021962.D Date Analyzed: 04/23/2025  
Instrument ID: MSVOA\_Y Time Analyzed: 09:57  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #  |
|----------------|---------------|-------|---------------|-------|---------------|-------|
| 12 HOUR STD    | 304636        | 7.71  | 465219        | 8.62  | 430304        | 11.42 |
| UPPER LIMIT    | 609272        | 8.213 | 930438        | 9.116 | 860608        | 11.92 |
| LOWER LIMIT    | 152318        | 7.213 | 232610        | 8.116 | 215152        | 10.92 |
| EPA SAMPLE NO. |               |       |               |       |               |       |
| GP6            | 325896        | 7.71  | 599246        | 8.62  | 448094        | 11.41 |
| VY0423SBL01    | 319981        | 7.71  | 599033        | 8.62  | 525205        | 11.42 |
| VY0423SBS01    | 295173        | 7.71  | 458305        | 8.62  | 417679        | 11.42 |

IS1 = Pentafluorobenzene  
IS2 = 1,4-Difluorobenzene  
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG NO.: Q1851  
Lab File ID: VY021962.D Date Analyzed: 04/23/2025  
Instrument ID: MSVOA\_Y Time Analyzed: 09:57  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 227723        | 13.347 |  |  |  |  |
| UPPER LIMIT    | 455446        | 13.847 |  |  |  |  |
| LOWER LIMIT    | 113862        | 12.847 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| GP6            | 115067        | 13.35  |  |  |  |  |
| VY0423SBL01    | 194434        | 13.35  |  |  |  |  |
| VY0423SBS01    | 221603        | 13.35  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.  
\* Values outside of QC limits.



# QC SAMPLE DATA

### Report of Analysis

|                    |                 |           |                 |              |
|--------------------|-----------------|-----------|-----------------|--------------|
| Client:            | G Environmental |           | Date Collected: |              |
| Project:           | Stockton        |           | Date Received:  |              |
| Client Sample ID:  | VY0421SBL01     |           | SDG No.:        | Q1851        |
| Lab Sample ID:     | VY0421SBL01     |           | Matrix:         | SOIL         |
| Analytical Method: | SW8260          |           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5               | Units: g  | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021936.D        | 1         |           | 04/21/25 09:42 | VY042125      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                          |       |           |      |            |                   |
| 74-87-3        | Chloromethane            | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride           | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane             | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane             | 1.30  | U         | 1.30 | 5.00       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol       | 13.7  | U         | 13.7 | 25.0       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene       | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                  | 4.70  | U         | 4.70 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide         | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.73  | U         | 0.73 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride       | 3.50  | U         | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene | 0.86  | U         | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane       | 0.80  | U         | 0.80 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone               | 6.50  | U         | 6.50 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride     | 0.97  | U         | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene   | 0.75  | U         | 0.75 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform               | 0.84  | U         | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.93  | U         | 0.93 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                  | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane       | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene          | 0.81  | U         | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane      | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane     | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone     | 3.60  | U         | 3.60 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                  | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 10061-02-6     | t-1,3-Dichloropropene    | 0.65  | U         | 0.65 | 5.00       | ug/Kg             |
| 10061-01-5     | cis-1,3-Dichloropropene  | 0.62  | U         | 0.62 | 5.00       | ug/Kg             |
| 79-00-5        | 1,1,2-Trichloroethane    | 0.92  | U         | 0.92 | 5.00       | ug/Kg             |
| 591-78-6       | 2-Hexanone               | 3.70  | U         | 3.70 | 25.0       | ug/Kg             |
| 124-48-1       | Dibromochloromethane     | 0.87  | U         | 0.87 | 5.00       | ug/Kg             |
| 127-18-4       | Tetrachloroethene        | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                   |                 |              |
|--------------------|-------------------|-----------------|--------------|
| Client:            | G Environmental   | Date Collected: |              |
| Project:           | Stockton          | Date Received:  |              |
| Client Sample ID:  | VY0421SBL01       | SDG No.:        | Q1851        |
| Lab Sample ID:     | VY0421SBL01       | Matrix:         | SOIL         |
| Analytical Method: | SW8260            | % Solid:        | 100          |
| Sample Wt/Vol:     | 5 Units: g        | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  | uL                | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624 ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                   |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021936.D        | 1         |           | 04/21/25 09:42 | VY042125      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|-------------------|
| 108-90-7                  | Chlorobenzene             | 0.91   | U         | 0.91                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene             | 0.67   | U         | 0.67                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes               | 1.20   | U         | 1.20                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                  | 0.82   | U         | 0.82                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                   | 0.71   | U         | 0.71                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                 | 0.86   | U         | 0.86                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1.20   | U         | 1.20                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                           |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 50.5   |           | 70 (63) - 130 (155) | 101%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane      | 52.0   |           | 70 (70) - 130 (134) | 104%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                | 47.9   |           | 70 (74) - 130 (123) | 96%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene      | 40.1   |           | 70 (38) - 130 (136) | 80%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene        | 238000 | 7.713     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene       | 432000 | 8.615     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5          | 370000 | 11.42     |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 141000 | 13.352    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

### Report of Analysis

|                    |                 |           |                 |              |
|--------------------|-----------------|-----------|-----------------|--------------|
| Client:            | G Environmental |           | Date Collected: |              |
| Project:           | Stockton        |           | Date Received:  |              |
| Client Sample ID:  | VY0423SBL01     |           | SDG No.:        | Q1851        |
| Lab Sample ID:     | VY0423SBL01     |           | Matrix:         | SOIL         |
| Analytical Method: | SW8260          |           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5               | Units: g  | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021963.D        | 1         |           | 04/23/25 10:31 | VY042325      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                          |       |           |      |            |                   |
| 74-87-3        | Chloromethane            | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride           | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane             | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane             | 1.30  | U         | 1.30 | 5.00       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol       | 13.7  | U         | 13.7 | 25.0       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene       | 1.00  | U         | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                  | 4.70  | U         | 4.70 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide         | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether  | 0.73  | U         | 0.73 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride       | 3.50  | U         | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene | 0.86  | U         | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane       | 0.80  | U         | 0.80 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone               | 6.50  | U         | 6.50 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride     | 0.97  | U         | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene   | 0.75  | U         | 0.75 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform               | 0.84  | U         | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane    | 0.93  | U         | 0.93 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                  | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane       | 0.79  | U         | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene          | 0.81  | U         | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane      | 0.91  | U         | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane     | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone     | 3.60  | U         | 3.60 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                  | 0.78  | U         | 0.78 | 5.00       | ug/Kg             |
| 10061-02-6     | t-1,3-Dichloropropene    | 0.65  | U         | 0.65 | 5.00       | ug/Kg             |
| 10061-01-5     | cis-1,3-Dichloropropene  | 0.62  | U         | 0.62 | 5.00       | ug/Kg             |
| 79-00-5        | 1,1,2-Trichloroethane    | 0.92  | U         | 0.92 | 5.00       | ug/Kg             |
| 591-78-6       | 2-Hexanone               | 3.70  | U         | 3.70 | 25.0       | ug/Kg             |
| 124-48-1       | Dibromochloromethane     | 0.87  | U         | 0.87 | 5.00       | ug/Kg             |
| 127-18-4       | Tetrachloroethene        | 1.10  | U         | 1.10 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                           |                 |              |
|--------------------|---------------------------|-----------------|--------------|
| Client:            | G Environmental           | Date Collected: |              |
| Project:           | Stockton                  | Date Received:  |              |
| Client Sample ID:  | VY0423SBL01               | SDG No.:        | Q1851        |
| Lab Sample ID:     | VY0423SBL01               | Matrix:         | SOIL         |
| Analytical Method: | SW8260                    | % Solid:        | 100          |
| Sample Wt/Vol:     | 5      Units:    g        | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624      ID :    0.25 | Level :         | LOW          |
| Prep Method :      |                           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021963.D        | 1         |           | 04/23/25 10:31 | VY042325      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|-------------------|
| 108-90-7                  | Chlorobenzene             | 0.91   | U         | 0.91                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene             | 0.67   | U         | 0.67                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes               | 1.20   | U         | 1.20                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                  | 0.82   | U         | 0.82                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                   | 0.71   | U         | 0.71                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                 | 0.86   | U         | 0.86                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 1.20   | U         | 1.20                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                           |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 51.1   |           | 70 (63) - 130 (155) | 102%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane      | 50.0   |           | 70 (70) - 130 (134) | 100%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                | 47.6   |           | 70 (74) - 130 (123) | 95%        | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene      | 38.6   |           | 70 (38) - 130 (136) | 77%        | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene        | 320000 | 7.713     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene       | 599000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5          | 525000 | 11.42     |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 194000 | 13.347    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

### Report of Analysis

|                    |                 |           |                 |              |
|--------------------|-----------------|-----------|-----------------|--------------|
| Client:            | G Environmental |           | Date Collected: |              |
| Project:           | Stockton        |           | Date Received:  |              |
| Client Sample ID:  | VY0421SBS01     |           | SDG No.:        | Q1851        |
| Lab Sample ID:     | VY0421SBS01     |           | Matrix:         | SOIL         |
| Analytical Method: | SW8260          |           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5               | Units: g  | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021937.D        | 1         |           | 04/21/25 10:18 | VY042125      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                          |       |           |      |            |                   |
| 74-87-3        | Chloromethane            | 20.3  |           | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride           | 19.1  |           | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane             | 20.8  |           | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane             | 20.2  |           | 1.30 | 5.00       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol       | 85.4  |           | 13.7 | 25.0       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene       | 18.9  |           | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                  | 97.7  |           | 4.70 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide         | 17.9  |           | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether  | 19.1  |           | 0.73 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride       | 19.9  |           | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene | 19.7  |           | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane       | 20.7  |           | 0.80 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone               | 94.9  |           | 6.50 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride     | 20.6  |           | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene   | 20.2  |           | 0.75 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform               | 21.1  |           | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane    | 20.4  |           | 0.93 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                  | 20.6  |           | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane       | 20.3  |           | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene          | 20.9  |           | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane      | 21.0  |           | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane     | 20.8  |           | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone     | 96.1  |           | 3.60 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                  | 21.0  |           | 0.78 | 5.00       | ug/Kg             |
| 10061-02-6     | t-1,3-Dichloropropene    | 19.6  |           | 0.65 | 5.00       | ug/Kg             |
| 10061-01-5     | cis-1,3-Dichloropropene  | 20.1  |           | 0.62 | 5.00       | ug/Kg             |
| 79-00-5        | 1,1,2-Trichloroethane    | 20.9  |           | 0.92 | 5.00       | ug/Kg             |
| 591-78-6       | 2-Hexanone               | 95.4  |           | 3.70 | 25.0       | ug/Kg             |
| 124-48-1       | Dibromochloromethane     | 21.3  |           | 0.87 | 5.00       | ug/Kg             |
| 127-18-4       | Tetrachloroethene        | 22.0  |           | 1.10 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                   |                 |              |
|--------------------|-------------------|-----------------|--------------|
| Client:            | G Environmental   | Date Collected: |              |
| Project:           | Stockton          | Date Received:  |              |
| Client Sample ID:  | VY0421SBS01       | SDG No.:        | Q1851        |
| Lab Sample ID:     | VY0421SBS01       | Matrix:         | SOIL         |
| Analytical Method: | SW8260            | % Solid:        | 100          |
| Sample Wt/Vol:     | 5 Units: g        | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  | uL                | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624 ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                   |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021937.D        | 1         |           | 04/21/25 10:18 | VY042125      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|-------------------|
| 108-90-7                  | Chlorobenzene             | 20.3   |           | 0.91                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene             | 19.4   |           | 0.67                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes               | 40.3   |           | 1.20                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                  | 19.6   |           | 0.82                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                   | 20.1   |           | 0.71                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                 | 20.6   |           | 0.86                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 18.0   |           | 1.20                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                           |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 49.6   |           | 70 (63) - 130 (155) | 99%        | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane      | 50.8   |           | 70 (70) - 130 (134) | 102%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                | 51.0   |           | 70 (74) - 130 (123) | 102%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene      | 50.9   |           | 70 (38) - 130 (136) | 102%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene        | 182000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene       | 286000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5          | 261000 | 11.42     |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 139000 | 13.346    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                              |
|--------------------|-------------------------------------------|-----------------|------------------------------|
| Client:            | G Environmental                           | Date Collected: |                              |
| Project:           | Stockton                                  | Date Received:  |                              |
| Client Sample ID:  | VY0423SBS01                               | SDG No.:        | Q1851                        |
| Lab Sample ID:     | VY0423SBS01                               | Matrix:         | SOIL                         |
| Analytical Method: | SW8260                                    | % Solid:        | 100                          |
| Sample Wt/Vol:     | 5                      Units:    g        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOCMS Group1                 |
| GC Column:         | RXI-624                      ID :    0.25 | Level :         | LOW                          |
| Prep Method :      |                                           |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021964.D        | 1         |           | 04/23/25 11:07 | VY042325      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                          |       |           |      |            |                   |
| 74-87-3        | Chloromethane            | 22.2  |           | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride           | 20.6  |           | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane             | 24.1  |           | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane             | 21.5  |           | 1.30 | 5.00       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol       | 97.5  |           | 13.7 | 25.0       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene       | 20.4  |           | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                  | 94.7  |           | 4.70 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide         | 20.6  |           | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether  | 20.0  |           | 0.73 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride       | 19.5  |           | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene | 20.0  |           | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane       | 20.2  |           | 0.80 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone               | 96.4  |           | 6.50 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride     | 20.6  |           | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene   | 20.3  |           | 0.75 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform               | 20.6  |           | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane    | 20.2  |           | 0.93 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                  | 20.7  |           | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane       | 20.7  |           | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene          | 20.2  |           | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane      | 20.5  |           | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane     | 20.7  |           | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone     | 100   |           | 3.60 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                  | 20.8  |           | 0.78 | 5.00       | ug/Kg             |
| 10061-02-6     | t-1,3-Dichloropropene    | 19.9  |           | 0.65 | 5.00       | ug/Kg             |
| 10061-01-5     | cis-1,3-Dichloropropene  | 20.7  |           | 0.62 | 5.00       | ug/Kg             |
| 79-00-5        | 1,1,2-Trichloroethane    | 20.7  |           | 0.92 | 5.00       | ug/Kg             |
| 591-78-6       | 2-Hexanone               | 100   |           | 3.70 | 25.0       | ug/Kg             |
| 124-48-1       | Dibromochloromethane     | 20.4  |           | 0.87 | 5.00       | ug/Kg             |
| 127-18-4       | Tetrachloroethene        | 20.4  |           | 1.10 | 5.00       | ug/Kg             |



### Report of Analysis

|                    |                 |           |                 |              |
|--------------------|-----------------|-----------|-----------------|--------------|
| Client:            | G Environmental |           | Date Collected: |              |
| Project:           | Stockton        |           | Date Received:  |              |
| Client Sample ID:  | VY0421SBSD01    |           | SDG No.:        | Q1851        |
| Lab Sample ID:     | VY0421SBSD01    |           | Matrix:         | SOIL         |
| Analytical Method: | SW8260          |           | % Solid:        | 100          |
| Sample Wt/Vol:     | 5               | Units: g  | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624         | ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021938.D        | 1         |           | 04/21/25 10:41 | VY042125      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units(Dry Weight) |
|----------------|--------------------------|-------|-----------|------|------------|-------------------|
| <b>TARGETS</b> |                          |       |           |      |            |                   |
| 74-87-3        | Chloromethane            | 18.8  |           | 1.10 | 5.00       | ug/Kg             |
| 75-01-4        | Vinyl Chloride           | 18.4  |           | 0.79 | 5.00       | ug/Kg             |
| 74-83-9        | Bromomethane             | 20.3  |           | 1.10 | 5.00       | ug/Kg             |
| 75-00-3        | Chloroethane             | 18.9  |           | 1.30 | 5.00       | ug/Kg             |
| 75-65-0        | Tert butyl alcohol       | 95.7  |           | 13.7 | 25.0       | ug/Kg             |
| 75-35-4        | 1,1-Dichloroethene       | 18.8  |           | 1.00 | 5.00       | ug/Kg             |
| 67-64-1        | Acetone                  | 96.1  |           | 4.70 | 25.0       | ug/Kg             |
| 75-15-0        | Carbon Disulfide         | 17.3  |           | 1.10 | 5.00       | ug/Kg             |
| 1634-04-4      | Methyl tert-butyl Ether  | 19.4  |           | 0.73 | 5.00       | ug/Kg             |
| 75-09-2        | Methylene Chloride       | 20.1  |           | 3.50 | 10.0       | ug/Kg             |
| 156-60-5       | trans-1,2-Dichloroethene | 19.4  |           | 0.86 | 5.00       | ug/Kg             |
| 75-34-3        | 1,1-Dichloroethane       | 20.4  |           | 0.80 | 5.00       | ug/Kg             |
| 78-93-3        | 2-Butanone               | 97.3  |           | 6.50 | 25.0       | ug/Kg             |
| 56-23-5        | Carbon Tetrachloride     | 20.0  |           | 0.97 | 5.00       | ug/Kg             |
| 156-59-2       | cis-1,2-Dichloroethene   | 20.1  |           | 0.75 | 5.00       | ug/Kg             |
| 67-66-3        | Chloroform               | 20.4  |           | 0.84 | 5.00       | ug/Kg             |
| 71-55-6        | 1,1,1-Trichloroethane    | 19.9  |           | 0.93 | 5.00       | ug/Kg             |
| 71-43-2        | Benzene                  | 20.2  |           | 0.79 | 5.00       | ug/Kg             |
| 107-06-2       | 1,2-Dichloroethane       | 20.3  |           | 0.79 | 5.00       | ug/Kg             |
| 79-01-6        | Trichloroethene          | 20.3  |           | 0.81 | 5.00       | ug/Kg             |
| 78-87-5        | 1,2-Dichloropropane      | 20.4  |           | 0.91 | 5.00       | ug/Kg             |
| 75-27-4        | Bromodichloromethane     | 20.7  |           | 0.78 | 5.00       | ug/Kg             |
| 108-10-1       | 4-Methyl-2-Pentanone     | 100   |           | 3.60 | 25.0       | ug/Kg             |
| 108-88-3       | Toluene                  | 20.6  |           | 0.78 | 5.00       | ug/Kg             |
| 10061-02-6     | t-1,3-Dichloropropene    | 19.8  |           | 0.65 | 5.00       | ug/Kg             |
| 10061-01-5     | cis-1,3-Dichloropropene  | 19.8  |           | 0.62 | 5.00       | ug/Kg             |
| 79-00-5        | 1,1,2-Trichloroethane    | 21.9  |           | 0.92 | 5.00       | ug/Kg             |
| 591-78-6       | 2-Hexanone               | 99.9  |           | 3.70 | 25.0       | ug/Kg             |
| 124-48-1       | Dibromochloromethane     | 21.1  |           | 0.87 | 5.00       | ug/Kg             |
| 127-18-4       | Tetrachloroethene        | 22.2  |           | 1.10 | 5.00       | ug/Kg             |

## Report of Analysis

|                    |                   |                 |              |
|--------------------|-------------------|-----------------|--------------|
| Client:            | G Environmental   | Date Collected: |              |
| Project:           | Stockton          | Date Received:  |              |
| Client Sample ID:  | VY0421SBSD01      | SDG No.:        | Q1851        |
| Lab Sample ID:     | VY0421SBSD01      | Matrix:         | SOIL         |
| Analytical Method: | SW8260            | % Solid:        | 100          |
| Sample Wt/Vol:     | 5 Units: g        | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  | uL                | Test:           | VOCMS Group1 |
| GC Column:         | RXI-624 ID : 0.25 | Level :         | LOW          |
| Prep Method :      |                   |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VY021938.D        | 1         |           | 04/21/25 10:41 | VY042125      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|-------------------|
| 108-90-7                  | Chlorobenzene             | 20.4   |           | 0.91                | 5.00       | ug/Kg             |
| 100-41-4                  | Ethyl Benzene             | 19.3   |           | 0.67                | 5.00       | ug/Kg             |
| 179601-23-1               | m/p-Xylenes               | 40.2   |           | 1.20                | 10.0       | ug/Kg             |
| 95-47-6                   | o-Xylene                  | 19.7   |           | 0.82                | 5.00       | ug/Kg             |
| 100-42-5                  | Styrene                   | 19.9   |           | 0.71                | 5.00       | ug/Kg             |
| 75-25-2                   | Bromoform                 | 21.6   |           | 0.86                | 5.00       | ug/Kg             |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 19.0   |           | 1.20                | 5.00       | ug/Kg             |
| <b>SURROGATES</b>         |                           |        |           |                     |            |                   |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 50.5   |           | 70 (63) - 130 (155) | 101%       | SPK: 50           |
| 1868-53-7                 | Dibromofluoromethane      | 51.9   |           | 70 (70) - 130 (134) | 104%       | SPK: 50           |
| 2037-26-5                 | Toluene-d8                | 51.2   |           | 70 (74) - 130 (123) | 102%       | SPK: 50           |
| 460-00-4                  | 4-Bromofluorobenzene      | 51.5   |           | 70 (38) - 130 (136) | 103%       | SPK: 50           |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |                   |
| 363-72-4                  | Pentafluorobenzene        | 184000 | 7.707     |                     |            |                   |
| 540-36-3                  | 1,4-Difluorobenzene       | 288000 | 8.616     |                     |            |                   |
| 3114-55-4                 | Chlorobenzene-d5          | 259000 | 11.414    |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 136000 | 13.346    |                     |            |                   |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# CALIBRATION SUMMARY

## VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851  
Instrument ID: MSVOA\_Y Calibration Date(s): 03/27/2025 03/27/2025  
Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02  
GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:             |  | RRF005 = VY021656.D |        | RRF010 = VY021657.D |        | RRF020 = VY021658.D |        | RRF050 = VY021659.D |       | RRF100 = VY021660.D |  | RRF150 = VY021661.D |  |
|--------------------------|--|---------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|---------------------|--|---------------------|--|
| COMPOUND                 |  | RRF005              | RRF010 | RRF020              | RRF050 | RRF100              | RRF150 | RRF                 | % RSD |                     |  |                     |  |
| Chloromethane            |  | 0.876               | 0.775  | 0.713               | 0.692  | 0.672               | 0.644  | 0.729               | 11.6  |                     |  |                     |  |
| Vinyl Chloride           |  | 0.977               | 0.886  | 0.810               | 0.800  | 0.758               | 0.714  | 0.824               | 11.5  |                     |  |                     |  |
| Bromomethane             |  | 0.709               | 0.613  | 0.537               | 0.513  | 0.494               | 0.506  | 0.562               | 14.9  |                     |  |                     |  |
| Chloroethane             |  | 0.644               | 0.570  | 0.544               | 0.512  | 0.490               | 0.476  | 0.539               | 11.5  |                     |  |                     |  |
| Tert butyl alcohol       |  | 0.043               | 0.038  | 0.034               | 0.034  | 0.029               | 0.032  | 0.035               | 13.5  |                     |  |                     |  |
| 1,1-Dichloroethene       |  | 0.589               | 0.564  | 0.508               | 0.514  | 0.496               | 0.477  | 0.524               | 8.2   |                     |  |                     |  |
| Acetone                  |  | 0.145               | 0.123  | 0.102               | 0.107  | 0.087               | 0.102  | 0.111               | 18.3  |                     |  |                     |  |
| Carbon Disulfide         |  | 1.956               | 1.828  | 1.709               | 1.696  | 1.623               | 1.552  | 1.727               | 8.4   |                     |  |                     |  |
| Methyl tert-butyl Ether  |  | 1.380               | 1.335  | 1.247               | 1.325  | 1.256               | 1.292  | 1.306               | 3.9   |                     |  |                     |  |
| Methylene Chloride       |  | 0.870               | 0.694  | 0.594               | 0.564  | 0.518               | 0.514  | 0.626               | 21.8  |                     |  |                     |  |
| trans-1,2-Dichloroethene |  | 0.634               | 0.608  | 0.568               | 0.567  | 0.551               | 0.536  | 0.577               | 6.3   |                     |  |                     |  |
| 1,1-Dichloroethane       |  | 1.178               | 1.091  | 1.024               | 1.040  | 0.992               | 0.968  | 1.049               | 7.3   |                     |  |                     |  |
| 2-Butanone               |  | 0.181               | 0.166  | 0.149               | 0.159  | 0.140               | 0.155  | 0.158               | 8.9   |                     |  |                     |  |
| Carbon Tetrachloride     |  | 0.637               | 0.594  | 0.546               | 0.564  | 0.547               | 0.507  | 0.566               | 7.9   |                     |  |                     |  |
| cis-1,2-Dichloroethene   |  | 0.700               | 0.658  | 0.626               | 0.652  | 0.631               | 0.629  | 0.649               | 4.3   |                     |  |                     |  |
| Chloroform               |  | 1.235               | 1.141  | 1.062               | 1.081  | 1.026               | 1.000  | 1.091               | 7.9   |                     |  |                     |  |
| 1,1,1-Trichloroethane    |  | 1.155               | 1.013  | 0.959               | 0.967  | 0.929               | 0.893  | 0.986               | 9.3   |                     |  |                     |  |
| Benzene                  |  | 1.606               | 1.527  | 1.429               | 1.499  | 1.445               | 1.371  | 1.479               | 5.6   |                     |  |                     |  |
| 1,2-Dichloroethane       |  | 0.467               | 0.445  | 0.399               | 0.420  | 0.392               | 0.379  | 0.417               | 8.1   |                     |  |                     |  |
| Trichloroethene          |  | 0.412               | 0.398  | 0.362               | 0.374  | 0.366               | 0.348  | 0.377               | 6.4   |                     |  |                     |  |
| 1,2-Dichloropropane      |  | 0.383               | 0.366  | 0.334               | 0.353  | 0.340               | 0.325  | 0.350               | 6.2   |                     |  |                     |  |
| Bromodichloromethane     |  | 0.571               | 0.546  | 0.504               | 0.525  | 0.508               | 0.484  | 0.523               | 6     |                     |  |                     |  |
| 4-Methyl-2-Pentanone     |  | 0.232               | 0.240  | 0.219               | 0.241  | 0.222               | 0.226  | 0.230               | 3.9   |                     |  |                     |  |
| Toluene                  |  | 0.940               | 0.943  | 0.893               | 0.951  | 0.928               | 0.885  | 0.923               | 3     |                     |  |                     |  |
| t-1,3-Dichloropropene    |  | 0.456               | 0.470  | 0.439               | 0.486  | 0.475               | 0.461  | 0.465               | 3.5   |                     |  |                     |  |
| cis-1,3-Dichloropropene  |  | 0.553               | 0.558  | 0.528               | 0.565  | 0.549               | 0.534  | 0.548               | 2.6   |                     |  |                     |  |
| 1,1,2-Trichloroethane    |  | 0.280               | 0.283  | 0.249               | 0.261  | 0.247               | 0.240  | 0.260               | 6.9   |                     |  |                     |  |
| 2-Hexanone               |  | 0.154               | 0.154  | 0.144               | 0.164  | 0.148               | 0.154  | 0.153               | 4.2   |                     |  |                     |  |
| Dibromochloromethane     |  | 0.371               | 0.367  | 0.340               | 0.364  | 0.348               | 0.337  | 0.355               | 4.1   |                     |  |                     |  |
| Tetrachloroethene        |  | 0.534               | 0.503  | 0.453               | 0.449  | 0.412               | 0.382  | 0.455               | 12.3  |                     |  |                     |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01  
 Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851  
 Instrument ID: MSVOA\_Y Calibration Date(s): 03/27/2025 03/27/2025  
 Heated Purge: (Y/N) Y Calibration Time(s): 10:08 12:02  
 GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:              |        | RRF005 = VY021656.D |        | RRF010 = VY021657.D |        | RRF020 = VY021658.D |       |       |  |
|---------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                           |        | RRF050 = VY021659.D |        | RRF100 = VY021660.D |        | RRF150 = VY021661.D |       |       |  |
| COMPOUND                  | RRF005 | RRF010              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Chlorobenzene             | 1.244  | 1.178               | 1.110  | 1.155               | 1.116  | 1.073               | 1.146 | 5.3   |  |
| Ethyl Benzene             | 1.949  | 1.916               | 1.918  | 2.051               | 2.023  | 1.935               | 1.965 | 2.9   |  |
| m/p-Xylenes               | 0.726  | 0.753               | 0.744  | 0.787               | 0.774  | 0.731               | 0.753 | 3.2   |  |
| o-Xylene                  | 0.665  | 0.670               | 0.676  | 0.738               | 0.725  | 0.694               | 0.695 | 4.4   |  |
| Styrene                   | 1.064  | 1.110               | 1.134  | 1.232               | 1.229  | 1.181               | 1.158 | 5.8   |  |
| Bromoform                 | 0.241  | 0.239               | 0.229  | 0.237               | 0.225  | 0.221               | 0.232 | 3.4   |  |
| 1,1,2,2-Tetrachloroethane | 0.764  | 0.720               | 0.616  | 0.657               | 0.619  | 0.631               | 0.668 | 9.1   |  |
| 1,2-Dichloroethane-d4     | 0.612  | 0.559               | 0.502  | 0.548               | 0.510  | 0.520               | 0.542 | 7.5   |  |
| Dibromofluoromethane      | 0.357  | 0.321               | 0.290  | 0.339               | 0.325  | 0.313               | 0.324 | 7     |  |
| Toluene-d8                | 1.277  | 1.240               | 1.127  | 1.306               | 1.252  | 1.201               | 1.234 | 5.1   |  |
| 4-Bromofluorobenzene      | 0.447  | 0.410               | 0.378  | 0.439               | 0.424  | 0.407               | 0.417 | 6     |  |

\* Compounds with required minimum RRF and maximum %RSD values.  
 All other compounds must meet a minimum RRF of 0.010.  
 RRF of 1,4-Dioxane = Value should be divide by 1000.

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851  
Instrument ID: MSVOA\_Y Calibration Date(s): 04/22/2025 04/22/2025  
Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15  
GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:             | RRF005 = VY021953.D | RRF010 = VY021954.D | RRF020 = VY021955.D | RRF050 = VY021956.D | RRF100 = VY021957.D | RRF150 = VY021958.D |       |       |
|--------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------|-------|
| COMPOUND                 | RRF005              | RRF010              | RRF020              | RRF050              | RRF100              | RRF150              | RRF   | % RSD |
| Chloromethane            | 0.704               | 0.670               | 0.636               | 0.602               | 0.529               | 0.498               | 0.607 | 13.2  |
| Vinyl Chloride           | 0.829               | 0.830               | 0.758               | 0.730               | 0.680               | 0.647               | 0.745 | 10.1  |
| Bromomethane             | 0.782               | 0.697               | 0.674               | 0.596               | 0.554               | 0.550               | 0.642 | 14.3  |
| Chloroethane             | 0.589               | 0.550               | 0.524               | 0.494               | 0.460               | 0.429               | 0.508 | 11.6  |
| Tert butyl alcohol       | 0.027               | 0.024               | 0.027               | 0.026               | 0.023               | 0.025               | 0.025 | 6.4   |
| 1,1-Dichloroethene       | 0.525               | 0.532               | 0.483               | 0.471               | 0.487               | 0.484               | 0.497 | 5     |
| Acetone                  | 0.092               | 0.084               | 0.066               | 0.063               | 0.058               | 0.057               | 0.070 | 20.7  |
| Carbon Disulfide         | 1.736               | 1.737               | 1.569               | 1.493               | 1.516               | 1.459               | 1.585 | 7.7   |
| Methyl tert-butyl Ether  | 1.098               | 1.067               | 1.102               | 1.133               | 1.141               | 1.134               | 1.113 | 2.6   |
| Methylene Chloride       | 0.759               | 0.625               | 0.574               | 0.533               | 0.518               | 0.494               | 0.584 | 16.7  |
| trans-1,2-Dichloroethene | 0.619               | 0.578               | 0.533               | 0.532               | 0.546               | 0.532               | 0.557 | 6.3   |
| 1,1-Dichloroethane       | 0.987               | 0.943               | 0.893               | 0.853               | 0.855               | 0.826               | 0.893 | 6.9   |
| 2-Butanone               | 0.111               | 0.107               | 0.108               | 0.106               | 0.099               | 0.100               | 0.105 | 4.5   |
| Carbon Tetrachloride     | 0.540               | 0.563               | 0.512               | 0.507               | 0.535               | 0.523               | 0.530 | 3.9   |
| cis-1,2-Dichloroethene   | 0.626               | 0.638               | 0.604               | 0.612               | 0.633               | 0.621               | 0.622 | 2.1   |
| Chloroform               | 1.084               | 1.046               | 0.974               | 0.956               | 0.958               | 0.925               | 0.990 | 6.2   |
| 1,1,1-Trichloroethane    | 0.972               | 0.944               | 0.896               | 0.853               | 0.865               | 0.846               | 0.896 | 5.8   |
| Benzene                  | 1.423               | 1.439               | 1.351               | 1.337               | 1.415               | 1.358               | 1.387 | 3.1   |
| 1,2-Dichloroethane       | 0.347               | 0.367               | 0.350               | 0.335               | 0.336               | 0.325               | 0.343 | 4.3   |
| Trichloroethene          | 0.402               | 0.405               | 0.369               | 0.367               | 0.387               | 0.375               | 0.384 | 4.3   |
| 1,2-Dichloropropane      | 0.320               | 0.317               | 0.302               | 0.300               | 0.308               | 0.294               | 0.307 | 3.4   |
| Bromodichloromethane     | 0.479               | 0.504               | 0.464               | 0.470               | 0.490               | 0.471               | 0.480 | 3.1   |
| 4-Methyl-2-Pentanone     | 0.144               | 0.149               | 0.167               | 0.172               | 0.166               | 0.165               | 0.160 | 6.9   |
| Toluene                  | 0.838               | 0.915               | 0.875               | 0.894               | 0.952               | 0.913               | 0.898 | 4.4   |
| t-1,3-Dichloropropene    | 0.383               | 0.408               | 0.399               | 0.417               | 0.437               | 0.425               | 0.411 | 4.7   |
| cis-1,3-Dichloropropene  | 0.466               | 0.488               | 0.483               | 0.484               | 0.514               | 0.500               | 0.489 | 3.3   |
| 1,1,2-Trichloroethane    | 0.250               | 0.261               | 0.261               | 0.256               | 0.258               | 0.252               | 0.256 | 1.8   |
| 2-Hexanone               | 0.093               | 0.096               | 0.109               | 0.115               | 0.111               | 0.111               | 0.106 | 8.5   |
| Dibromochloromethane     | 0.345               | 0.355               | 0.354               | 0.352               | 0.367               | 0.357               | 0.355 | 2     |
| Tetrachloroethene        | 0.500               | 0.516               | 0.462               | 0.455               | 0.466               | 0.430               | 0.472 | 6.6   |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851  
Instrument ID: MSVOA\_Y Calibration Date(s): 04/22/2025 04/22/2025  
Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15  
GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:              |        |        |                     |        |        |                     |       |       |
|---------------------------|--------|--------|---------------------|--------|--------|---------------------|-------|-------|
| RRF005 = VY021953.D       |        |        | RRF010 = VY021954.D |        |        | RRF020 = VY021955.D |       |       |
| RRF050 = VY021956.D       |        |        | RRF100 = VY021957.D |        |        | RRF150 = VY021958.D |       |       |
| COMPOUND                  | RRF005 | RRF010 | RRF020              | RRF050 | RRF100 | RRF150              | RRF   | % RSD |
| Chlorobenzene             | 1.188  | 1.152  | 1.055               | 1.083  | 1.139  | 1.092               | 1.118 | 4.5   |
| Ethyl Benzene             | 1.693  | 1.840  | 1.718               | 1.835  | 1.990  | 1.898               | 1.829 | 6.1   |
| m/p-Xylenes               | 0.664  | 0.720  | 0.699               | 0.734  | 0.797  | 0.754               | 0.728 | 6.3   |
| o-Xylene                  | 0.599  | 0.639  | 0.635               | 0.689  | 0.747  | 0.716               | 0.671 | 8.3   |
| Styrene                   | 0.950  | 1.080  | 1.078               | 1.169  | 1.272  | 1.209               | 1.126 | 10.2  |
| Bromoform                 | 0.234  | 0.221  | 0.224               | 0.229  | 0.236  | 0.229               | 0.229 | 2.5   |
| 1,1,2,2-Tetrachloroethane | 0.601  | 0.562  | 0.555               | 0.548  | 0.555  | 0.558               | 0.563 | 3.4   |
| 1,2-Dichloroethane-d4     | 0.525  | 0.477  | 0.459               | 0.466  | 0.418  | 0.427               | 0.462 | 8.3   |
| Dibromofluoromethane      | 0.335  | 0.341  | 0.330               | 0.330  | 0.319  | 0.327               | 0.330 | 2.3   |
| Toluene-d8                | 1.220  | 1.260  | 1.211               | 1.276  | 1.244  | 1.261               | 1.245 | 2     |
| 4-Bromofluorobenzene      | 0.408  | 0.429  | 0.401               | 0.426  | 0.423  | 0.428               | 0.419 | 2.8   |

\* Compounds with required minimum RRF and maximum %RSD values.  
All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA\_Y Calibration Date/Time: 04/21/2025 09:08

Lab File ID: VY021935.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND                  | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|---------------------------|-------|--------|---------|--------|-------|
| Chloromethane             | 0.729 | 0.702  | 0.1     | -3.7   | 20    |
| Vinyl Chloride            | 0.824 | 0.744  |         | -9.71  | 20    |
| Bromomethane              | 0.562 | 0.523  |         | -6.94  | 20    |
| Chloroethane              | 0.539 | 0.517  |         | -4.08  | 20    |
| Tert butyl alcohol        | 0.035 | 0.028  |         | -20    | 20    |
| 1,1-Dichloroethene        | 0.524 | 0.478  |         | -8.78  | 20    |
| Acetone                   | 0.111 | 0.094  |         | -15.31 | 20    |
| Carbon Disulfide          | 1.727 | 1.492  |         | -13.61 | 20    |
| Methyl tert-butyl Ether   | 1.306 | 1.235  |         | -5.44  | 20    |
| Methylene Chloride        | 0.626 | 0.563  |         | -10.06 | 20    |
| trans-1,2-Dichloroethene  | 0.577 | 0.566  |         | -1.91  | 20    |
| 1,1-Dichloroethane        | 1.049 | 1.036  | 0.1     | -1.24  | 20    |
| 2-Butanone                | 0.158 | 0.139  |         | -12.02 | 20    |
| Carbon Tetrachloride      | 0.566 | 0.586  |         | 3.53   | 20    |
| cis-1,2-Dichloroethene    | 0.649 | 0.652  |         | 0.46   | 20    |
| Chloroform                | 1.091 | 1.093  |         | 0.18   | 20    |
| 1,1,1-Trichloroethane     | 0.986 | 0.967  |         | -1.93  | 20    |
| Benzene                   | 1.479 | 1.553  |         | 5      | 20    |
| 1,2-Dichloroethane        | 0.417 | 0.437  |         | 4.8    | 20    |
| Trichloroethene           | 0.377 | 0.408  |         | 8.22   | 20    |
| 1,2-Dichloropropane       | 0.350 | 0.371  |         | 6      | 20    |
| Bromodichloromethane      | 0.523 | 0.556  |         | 6.31   | 20    |
| 4-Methyl-2-Pentanone      | 0.230 | 0.234  |         | 1.74   | 20    |
| Toluene                   | 0.923 | 1.009  |         | 9.32   | 20    |
| t-1,3-Dichloropropene     | 0.465 | 0.482  |         | 3.66   | 20    |
| cis-1,3-Dichloropropene   | 0.548 | 0.572  |         | 4.38   | 20    |
| 1,1,2-Trichloroethane     | 0.260 | 0.279  |         | 7.31   | 20    |
| 2-Hexanone                | 0.153 | 0.153  |         | 0      | 20    |
| Dibromochloromethane      | 0.355 | 0.390  |         | 9.86   | 20    |
| Tetrachloroethene         | 0.455 | 0.511  |         | 12.31  | 20    |
| Chlorobenzene             | 1.146 | 1.190  | 0.3     | 3.84   | 20    |
| Ethyl Benzene             | 1.965 | 2.069  |         | 5.29   | 20    |
| m/p-Xylenes               | 0.753 | 0.805  |         | 6.91   | 20    |
| o-Xylene                  | 0.695 | 0.744  |         | 7.05   | 20    |
| Styrene                   | 1.158 | 1.284  |         | 10.88  | 20    |
| Bromoform                 | 0.232 | 0.245  | 0.1     | 5.6    | 20    |
| 1,1,2,2-Tetrachloroethane | 0.668 | 0.595  | 0.3     | -10.93 | 20    |
| 1,2-Dichloroethane-d4     | 0.542 | 0.519  |         | -4.24  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA\_Y Calibration Date/Time: 04/21/2025 09:08

Lab File ID: VY021935.D Init. Calib. Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:08 12:02

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND             | RRF   | RRF050 | MIN<br>RRF | %D   | MAX%D |
|----------------------|-------|--------|------------|------|-------|
| Dibromofluoromethane | 0.324 | 0.345  |            | 6.48 | 20    |
| Toluene-d8           | 1.234 | 1.304  |            | 5.67 | 20    |
| 4-Bromofluorobenzene | 0.417 | 0.441  |            | 5.76 | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA\_Y Calibration Date/Time: 04/23/2025 09:57

Lab File ID: VY021962.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND                  | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|---------------------------|-------|--------|---------|--------|-------|
| Chloromethane             | 0.607 | 0.595  | 0.1     | -1.98  | 20    |
| Vinyl Chloride            | 0.745 | 0.714  |         | -4.16  | 20    |
| Bromomethane              | 0.642 | 0.600  |         | -6.54  | 20    |
| Chloroethane              | 0.508 | 0.500  |         | -1.58  | 20    |
| Tert butyl alcohol        | 0.025 | 0.020  |         | -20    | 20    |
| 1,1-Dichloroethene        | 0.497 | 0.472  |         | -5.03  | 20    |
| Acetone                   | 0.070 | 0.055  |         | -21.43 | 20    |
| Carbon Disulfide          | 1.585 | 1.529  |         | -3.53  | 20    |
| Methyl tert-butyl Ether   | 1.113 | 1.042  |         | -6.38  | 20    |
| Methylene Chloride        | 0.584 | 0.518  |         | -11.3  | 20    |
| trans-1,2-Dichloroethene  | 0.557 | 0.547  |         | -1.79  | 20    |
| 1,1-Dichloroethane        | 0.893 | 0.858  | 0.1     | -3.92  | 20    |
| 2-Butanone                | 0.105 | 0.092  |         | -12.38 | 20    |
| Carbon Tetrachloride      | 0.530 | 0.526  |         | -0.75  | 20    |
| cis-1,2-Dichloroethene    | 0.622 | 0.605  |         | -2.73  | 20    |
| Chloroform                | 0.990 | 0.965  |         | -2.53  | 20    |
| 1,1,1-Trichloroethane     | 0.896 | 0.858  |         | -4.24  | 20    |
| Benzene                   | 1.387 | 1.381  |         | -0.43  | 20    |
| 1,2-Dichloroethane        | 0.343 | 0.331  |         | -3.5   | 20    |
| Trichloroethene           | 0.384 | 0.371  |         | -3.38  | 20    |
| 1,2-Dichloropropane       | 0.307 | 0.306  |         | -0.33  | 20    |
| Bromodichloromethane      | 0.480 | 0.479  |         | -0.21  | 20    |
| 4-Methyl-2-Pentanone      | 0.160 | 0.152  |         | -5     | 20    |
| Toluene                   | 0.898 | 0.927  |         | 3.23   | 20    |
| t-1,3-Dichloropropene     | 0.411 | 0.401  |         | -2.43  | 20    |
| cis-1,3-Dichloropropene   | 0.489 | 0.487  |         | -0.41  | 20    |
| 1,1,2-Trichloroethane     | 0.256 | 0.248  |         | -3.13  | 20    |
| 2-Hexanone                | 0.106 | 0.100  |         | -5.66  | 20    |
| Dibromochloromethane      | 0.355 | 0.348  |         | -1.97  | 20    |
| Tetrachloroethene         | 0.472 | 0.451  |         | -4.45  | 20    |
| Chlorobenzene             | 1.118 | 1.095  | 0.3     | -2.06  | 20    |
| Ethyl Benzene             | 1.829 | 1.881  |         | 2.84   | 20    |
| m/p-Xylenes               | 0.728 | 0.756  |         | 3.85   | 20    |
| o-Xylene                  | 0.671 | 0.693  |         | 3.28   | 20    |
| Styrene                   | 1.126 | 1.186  |         | 5.33   | 20    |
| Bromoform                 | 0.229 | 0.219  | 0.1     | -4.37  | 20    |
| 1,1,2,2-Tetrachloroethane | 0.563 | 0.526  | 0.3     | -6.57  | 20    |
| 1,2-Dichloroethane-d4     | 0.462 | 0.438  |         | -5.2   | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1851 SAS No.: Q1851 SDG No.: Q1851

Instrument ID: MSVOA\_Y Calibration Date/Time: 04/23/2025 09:57

Lab File ID: VY021962.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND             | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|----------------------|-------|--------|------------|-------|-------|
| Dibromofluoromethane | 0.330 | 0.325  |            | -1.51 | 20    |
| Toluene-d8           | 1.245 | 1.266  |            | 1.69  | 20    |
| 4-Bromofluorobenzene | 0.419 | 0.422  |            | 0.72  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



# SAMPLE RAW DATA

A

B

C

D

E

F

G

H

I

J

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021948.D  
Acq On : 21 Apr 2025 15:08  
Operator : SY/MD  
Sample : Q1851-05  
Misc : 5.12g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP5

Quant Time: Apr 22 02:45:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 202834   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 379948   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 314728   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 108735   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 104981   | 47.770   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 95.540%  |
| 35) Dibromofluoromethane    | 7.640  | 113   | 124478   | 50.505   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.020% |
| 50) Toluene-d8              | 10.109 | 98    | 428087   | 45.656   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 91.320%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 118391   | 37.330   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 74.660%  |

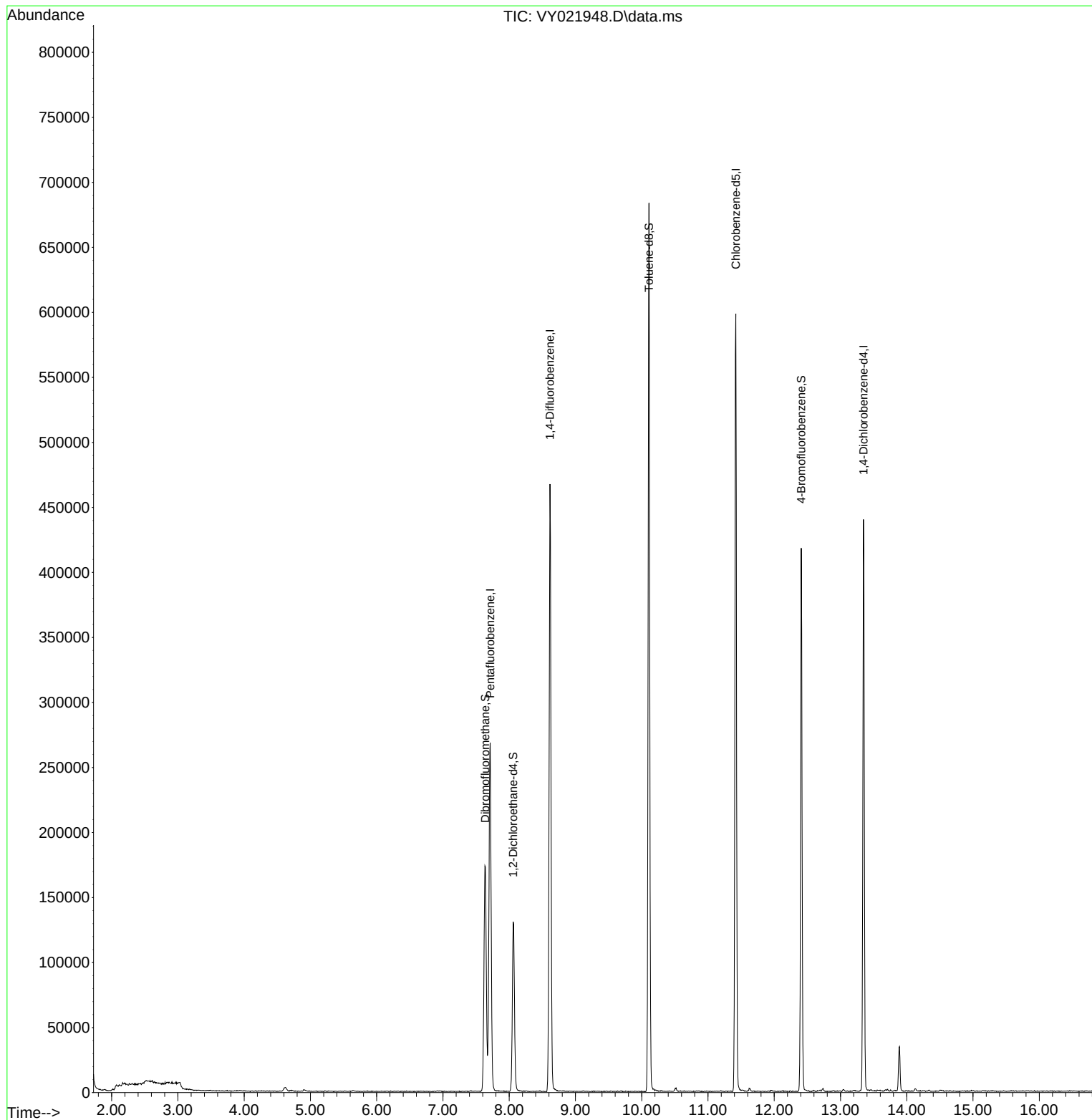
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

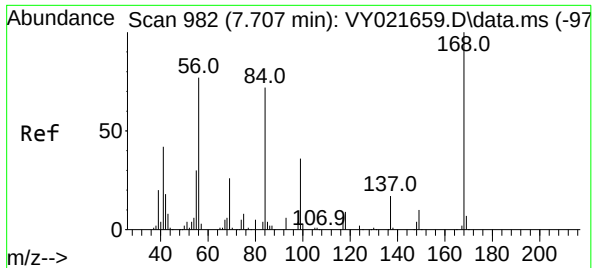
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021948.D  
Acq On : 21 Apr 2025 15:08  
Operator : SY/MD  
Sample : Q1851-05  
Misc : 5.12g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP5

Quant Time: Apr 22 02:45:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

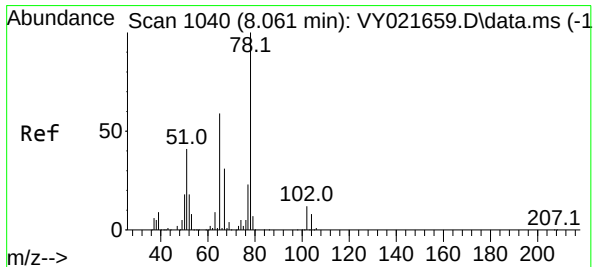
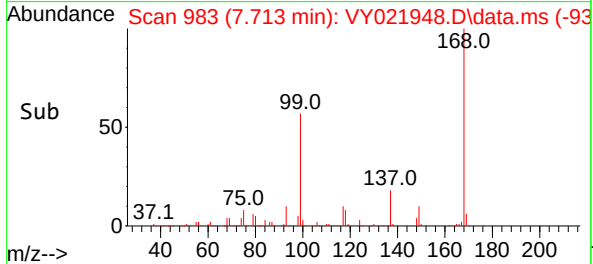
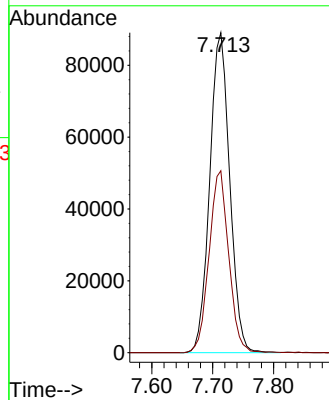
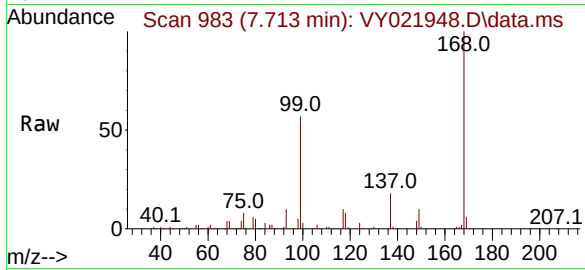




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY021948.D  
Acq: 21 Apr 2025 15:08

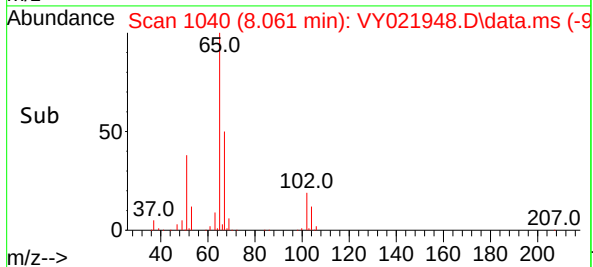
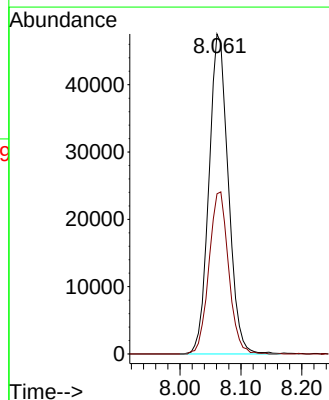
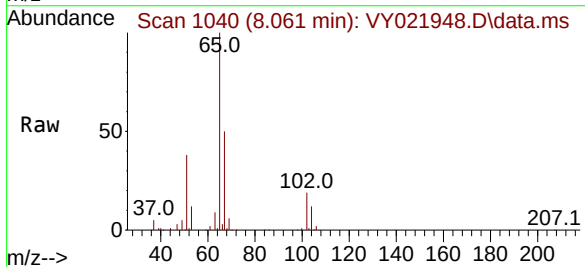
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP5

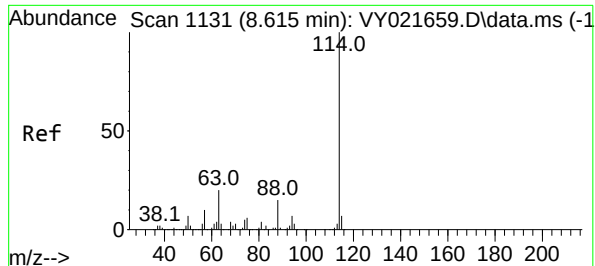
Tgt Ion:168 Resp: 202834  
Ion Ratio Lower Upper  
168 100  
99 56.9 46.7 70.1



#33  
1,2-Dichloroethane-d4  
Concen: 47.770 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021948.D  
Acq: 21 Apr 2025 15:08

Tgt Ion: 65 Resp: 104981  
Ion Ratio Lower Upper  
65 100  
67 51.3 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

Instrument :

MSVOA\_Y

ClientSampleId :

GP5

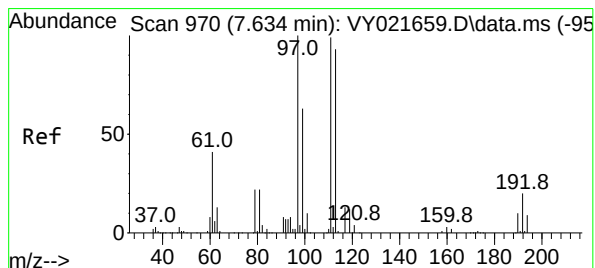
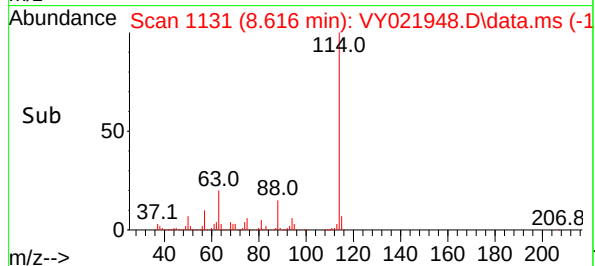
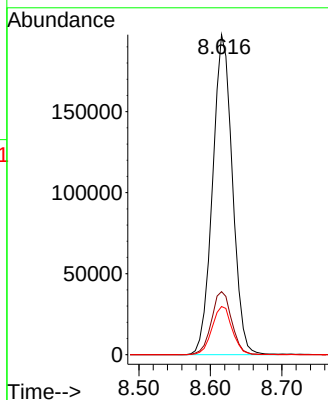
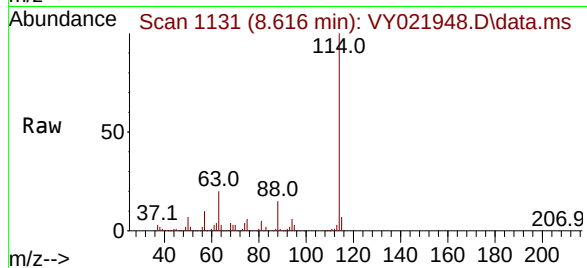
Tgt Ion:114 Resp: 379948

Ion Ratio Lower Upper

114 100

63 19.7 0.0 40.2

88 15.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.505 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

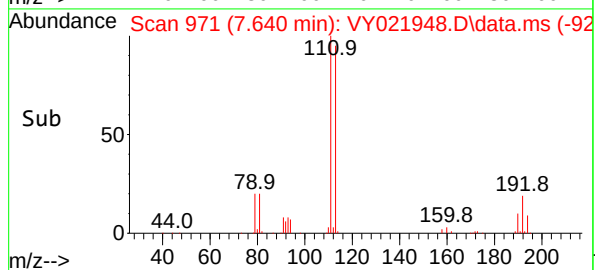
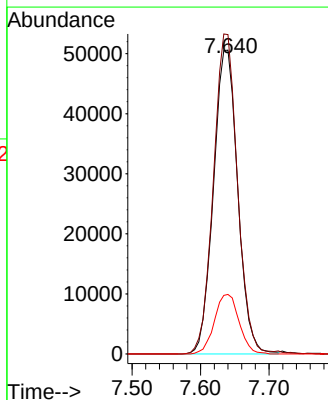
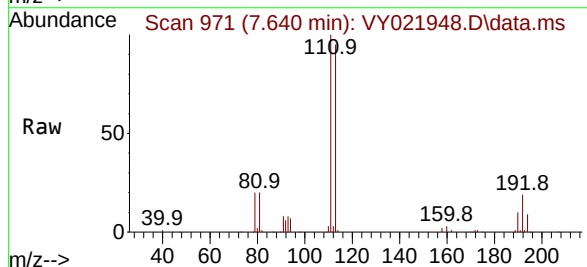
Tgt Ion:113 Resp: 124478

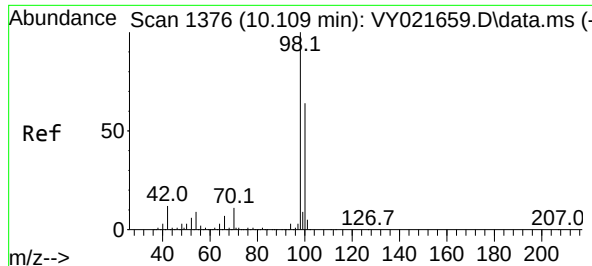
Ion Ratio Lower Upper

113 100

111 104.6 82.6 123.8

192 19.8 16.2 24.4





#50

Toluene-d8

Concen: 45.656 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

Instrument :

MSVOA\_Y

ClientSampleId :

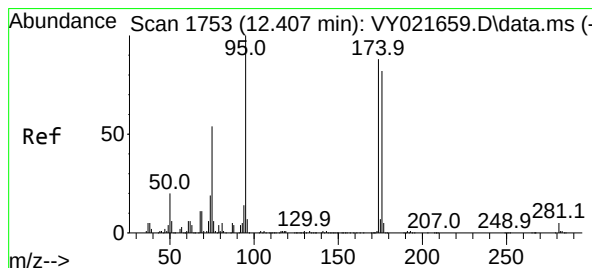
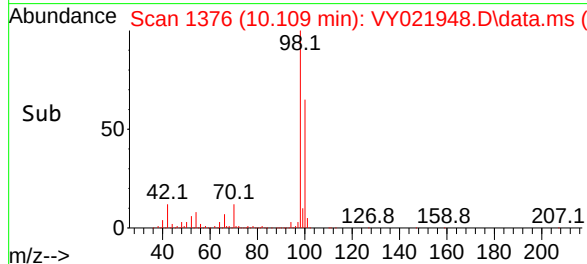
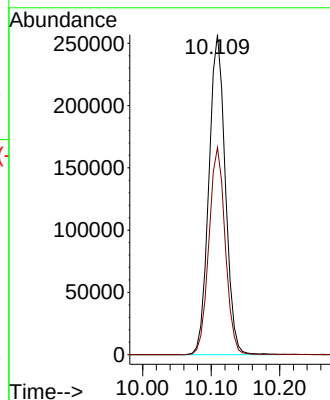
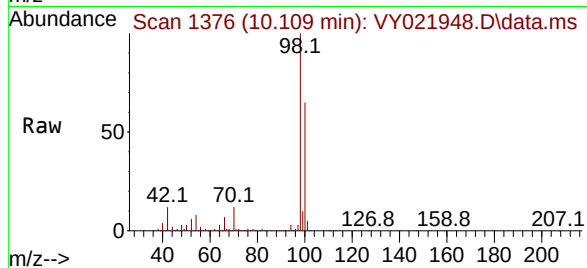
GP5

Tgt Ion: 98 Resp: 428087

Ion Ratio Lower Upper

98 100

100 64.3 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 37.330 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

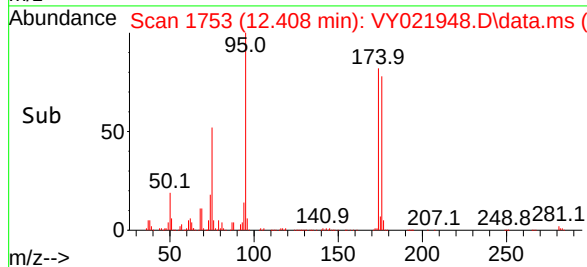
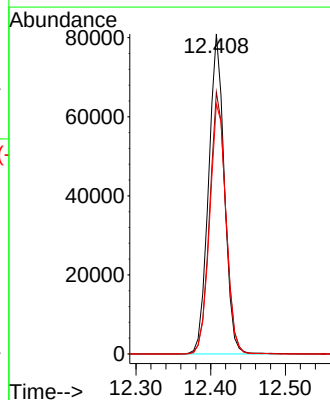
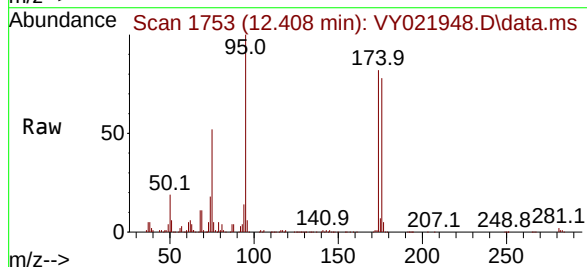
Tgt Ion: 95 Resp: 118391

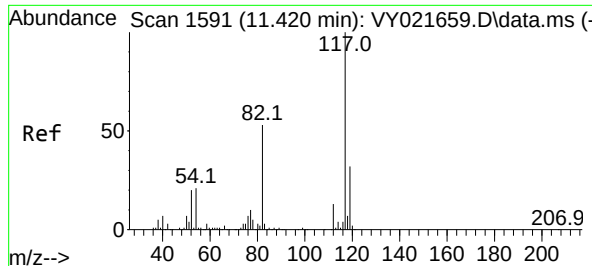
Ion Ratio Lower Upper

95 100

174 83.9 0.0 170.8

176 81.0 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

Instrument :

MSVOA\_Y

ClientSampleId :

GP5

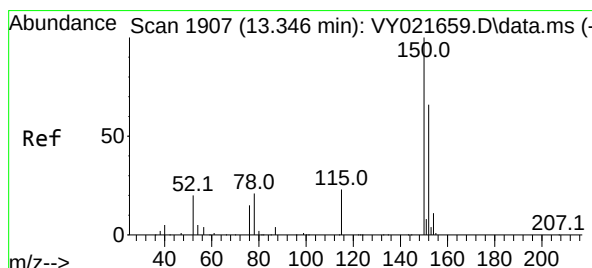
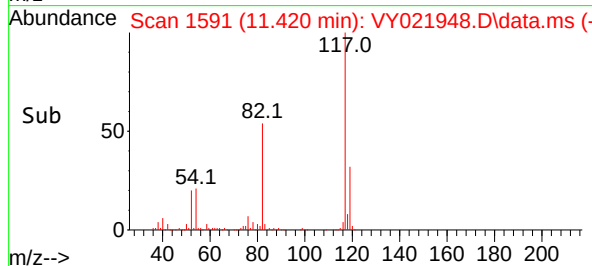
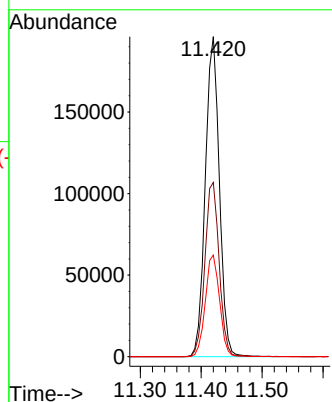
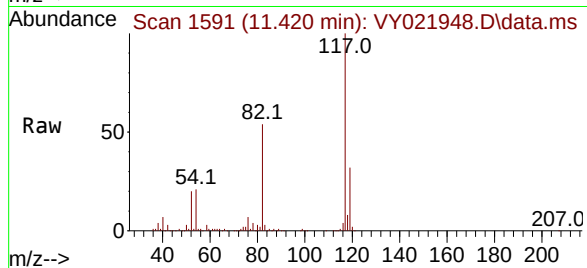
Tgt Ion:117 Resp: 314728

Ion Ratio Lower Upper

117 100

82 54.5 42.8 64.2

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021948.D

Acq: 21 Apr 2025 15:08

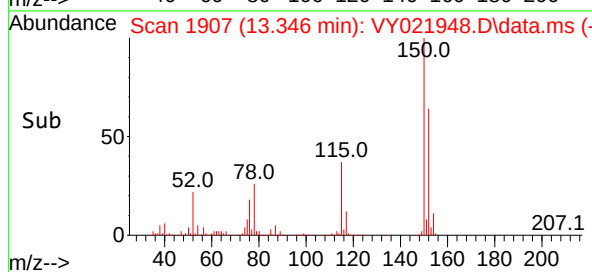
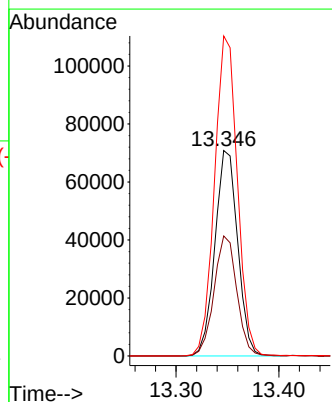
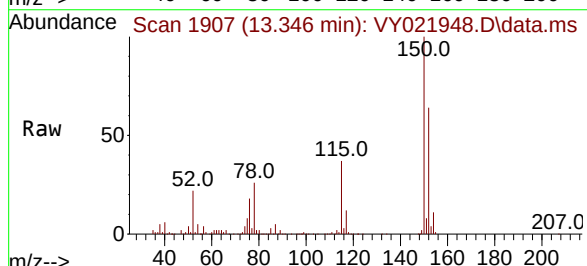
Tgt Ion:152 Resp: 108735

Ion Ratio Lower Upper

152 100

115 58.5 28.8 86.5

150 156.5 0.0 348.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021948.D  
Acq On : 21 Apr 2025 15:08  
Operator : SY/MD  
Sample : Q1851-05  
Misc : 5.12g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M

Title : SW846 8260

Signal : TIC: VY021948.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 7.634       | 958           | 970         | 976          | rBV      | 173631         | 423405        | 36.81%          | 7.376%        |
| 2         | 7.713       | 976           | 983         | 994          | rVB      | 267484         | 616717        | 53.62%          | 10.743%       |
| 3         | 8.061       | 1031          | 1040        | 1052         | rBV      | 130390         | 294819        | 25.63%          | 5.136%        |
| 4         | 8.616       | 1122          | 1131        | 1141         | rBV      | 467153         | 900407        | 78.28%          | 15.685%       |
| 5         | 10.109      | 1368          | 1376        | 1386         | rBV      | 683464         | 1150252       | 100.00%         | 20.037%       |
| 6         | 11.420      | 1582          | 1591        | 1601         | rBV      | 598334         | 981436        | 85.32%          | 17.096%       |
| 7         | 12.408      | 1744          | 1753        | 1769         | rBV      | 417884         | 645605        | 56.13%          | 11.246%       |
| 8         | 13.346      | 1900          | 1907        | 1917         | rBV      | 439138         | 670003        | 58.25%          | 11.671%       |
| 9         | 13.889      | 1990          | 1996        | 2005         | rVB2     | 34313          | 57980         | 5.04%           | 1.010%        |

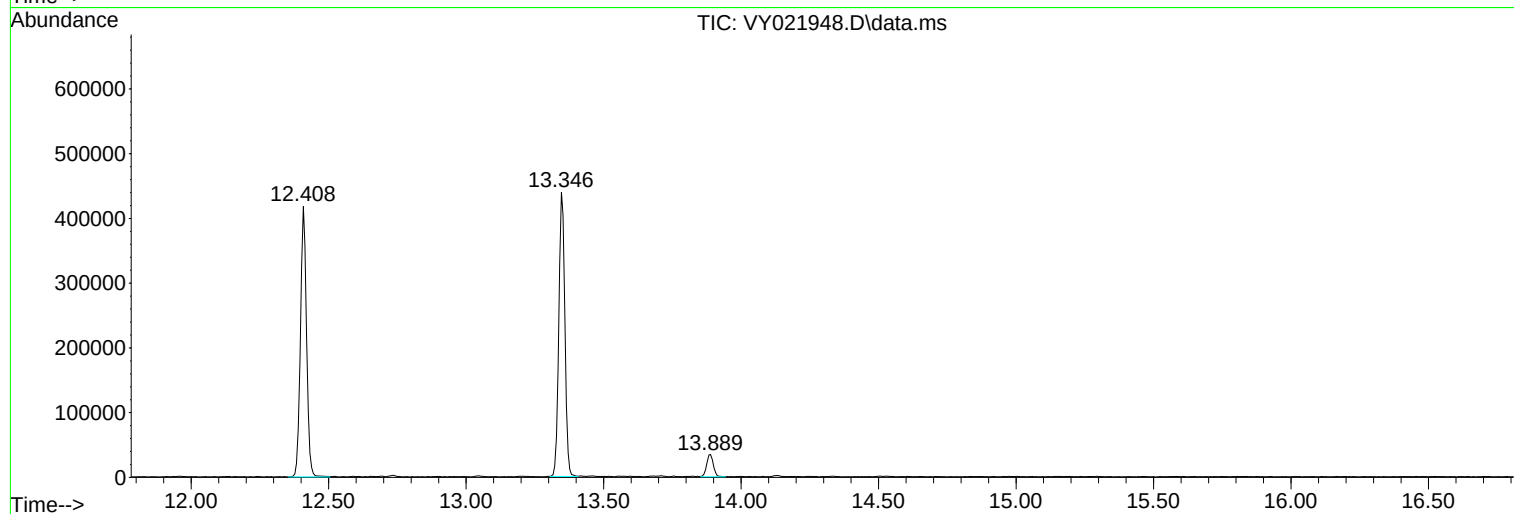
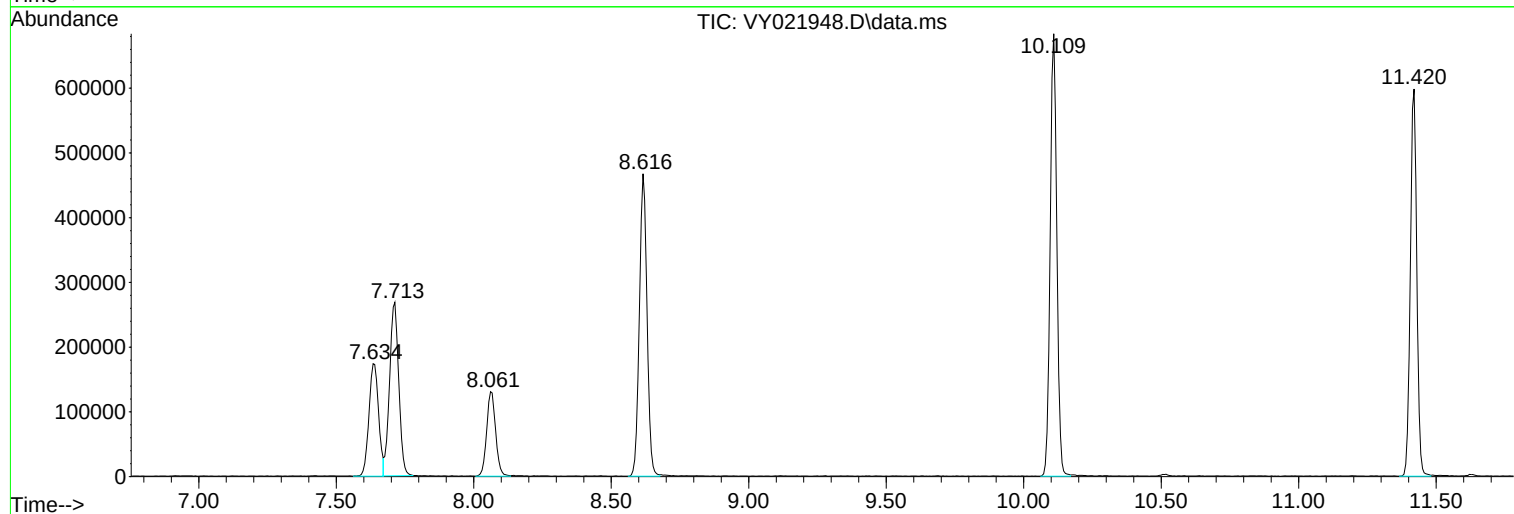
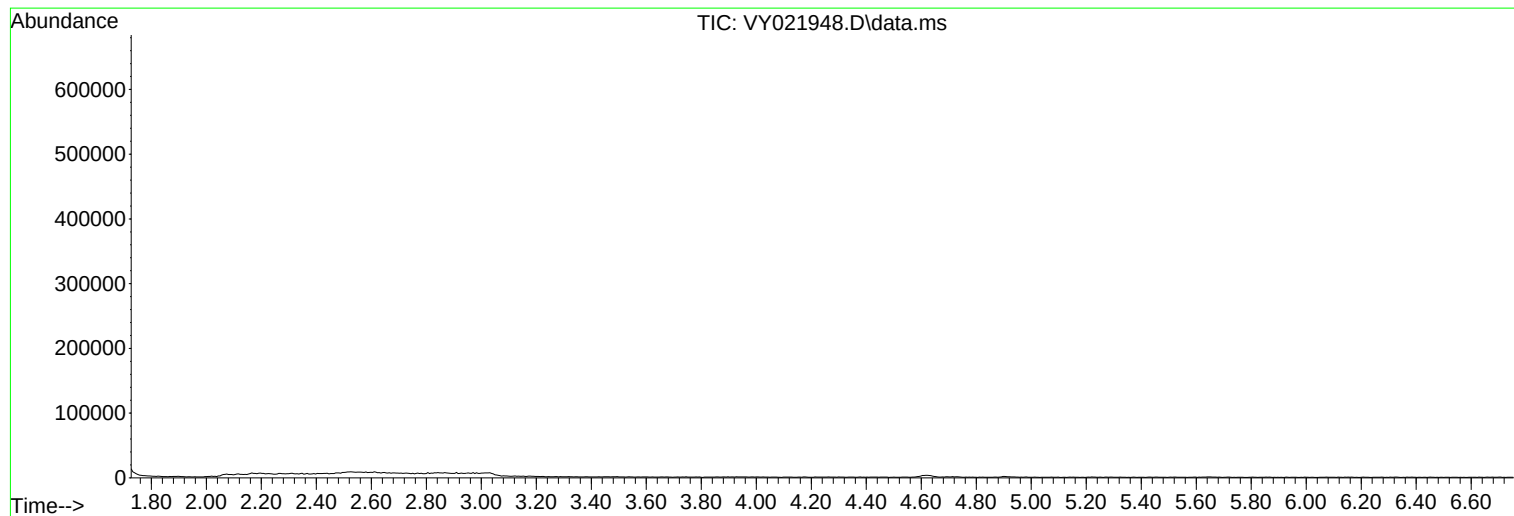
Sum of corrected areas: 5740624

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021948.D  
Acq On : 21 Apr 2025 15:08  
Operator : SY/MD  
Sample : Q1851-05  
Misc : 5.12g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021948.D  
Acq On : 21 Apr 2025 15:08  
Operator : SY/MD  
Sample : Q1851-05  
Misc : 5.12g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

\*\*\*\*\*

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021948.D  
Acq On : 21 Apr 2025 15:08  
Operator : SY/MD  
Sample : Q1851-05  
Misc : 5.12g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard-- |    |      |      |
|------------------|----|---------|-------|----------|-----------------------|----|------|------|
|                  |    |         |       |          | #                     | RT | Resp | Conc |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021967.D  
Acq On : 23 Apr 2025 13:29  
Operator : SY/MD  
Sample : Q1851-06  
Misc : 6.19g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

Quant Time: Apr 24 03:45:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 23 02:30:30 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 325896   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 599246   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 448094   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 115067   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 137801   | 45.777   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 91.560% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 192150   | 48.536   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.080% |
| 50) Toluene-d8              | 10.109 | 98    | 694117   | 46.506   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 93.020% |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 140919   | 28.047   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 56.100% |

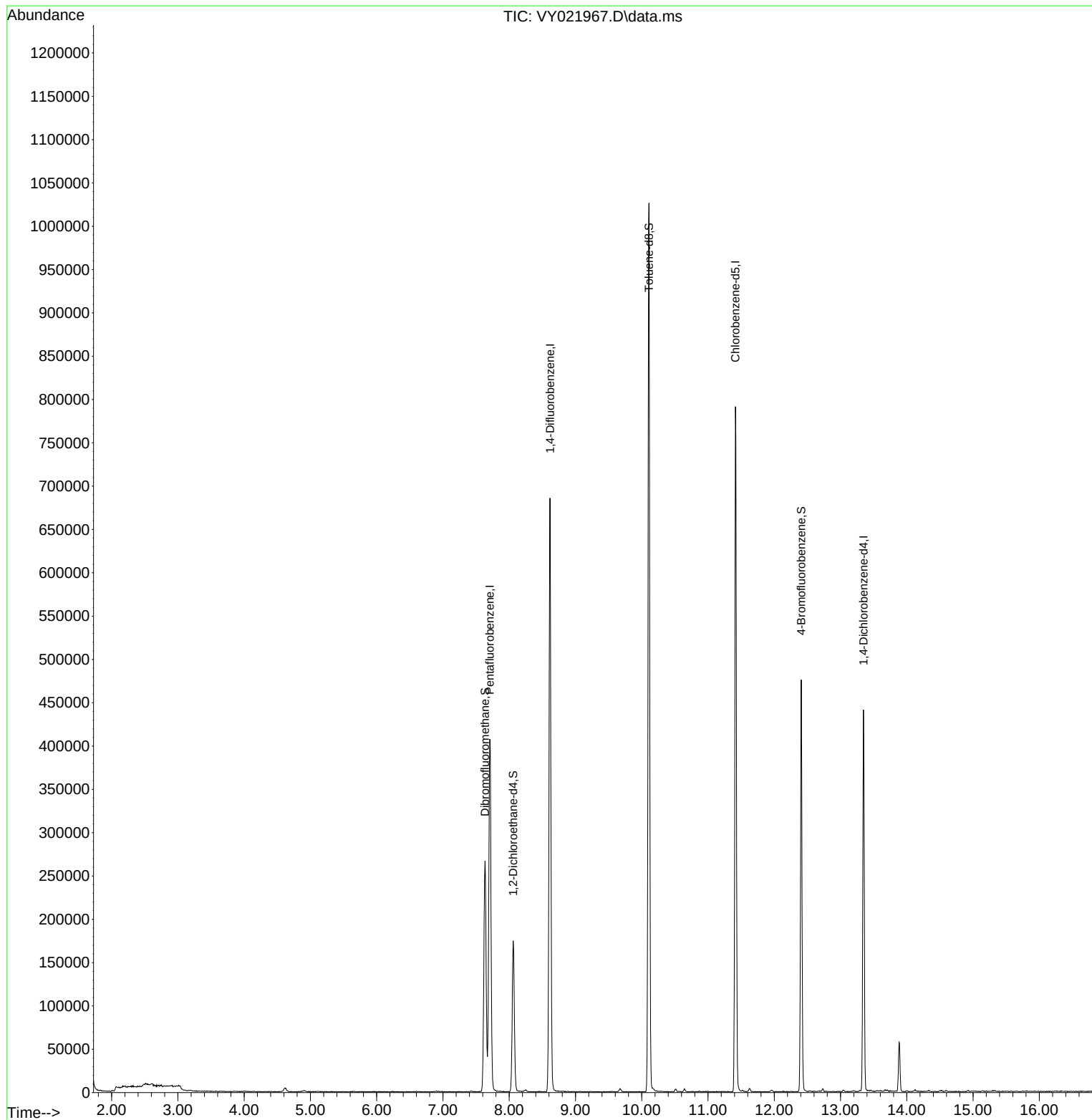
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

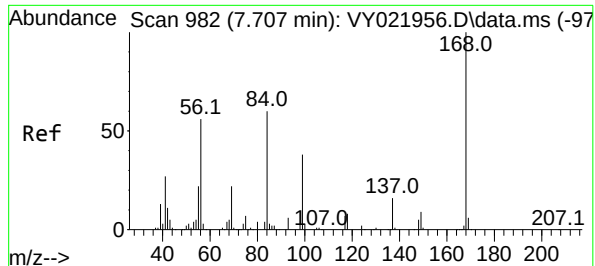
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021967.D  
Acq On : 23 Apr 2025 13:29  
Operator : SY/MD  
Sample : Q1851-06  
Misc : 6.19g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

Quant Time: Apr 24 03:45:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 23 02:30:30 2025  
Response via : Initial Calibration

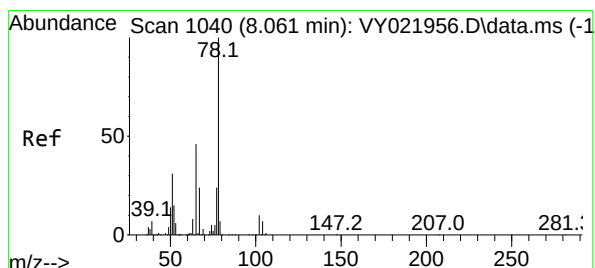
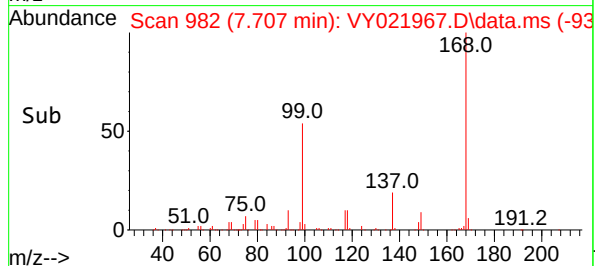
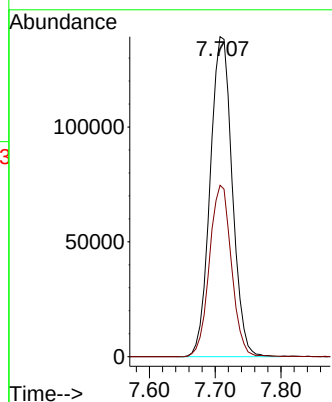
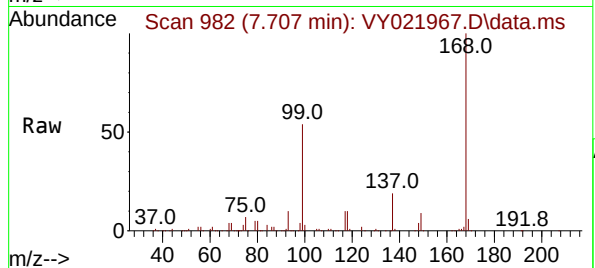




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: VY021967.D  
Acq: 23 Apr 2025 13:29

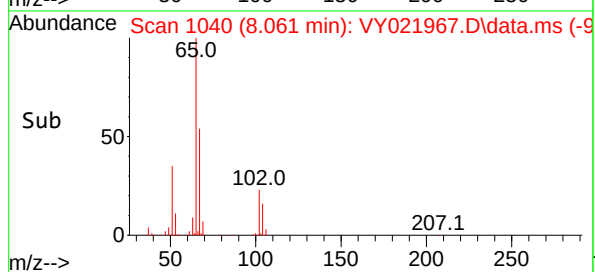
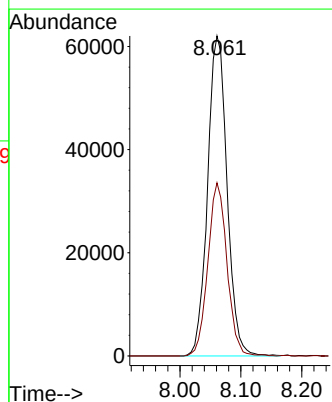
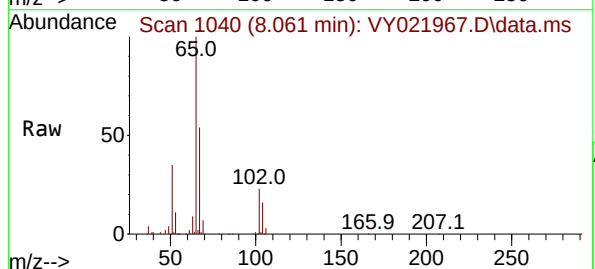
Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

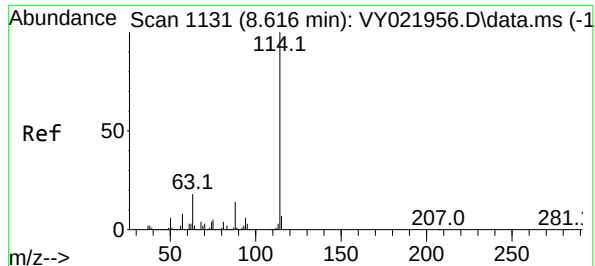
Tgt Ion:168 Resp: 325896  
Ion Ratio Lower Upper  
168 100  
99 53.5 43.1 64.7



#33  
1,2-Dichloroethane-d4  
Concen: 45.777 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY021967.D  
Acq: 23 Apr 2025 13:29

Tgt Ion: 65 Resp: 137801  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

Instrument :

MSVOA\_Y

ClientSampleId :

GP6

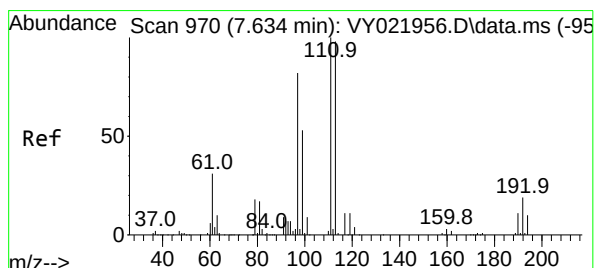
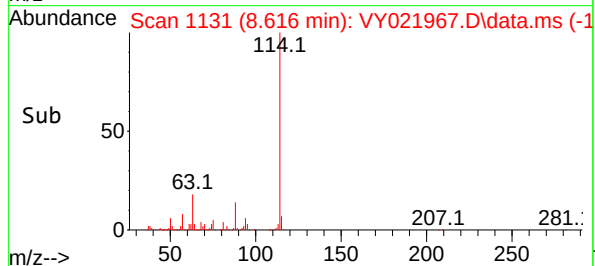
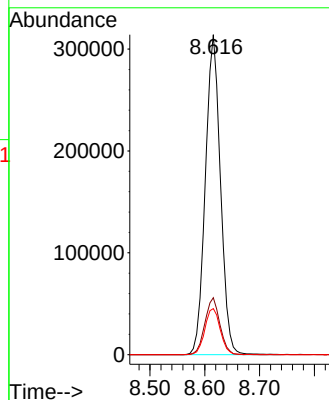
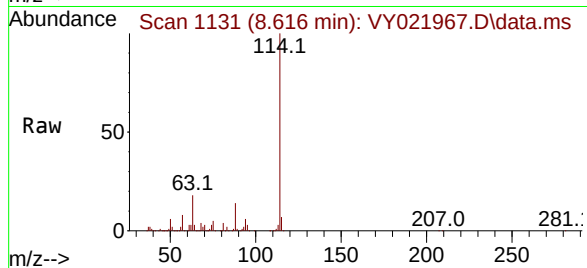
Tgt Ion:114 Resp: 599246

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.4

88 14.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 48.536 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

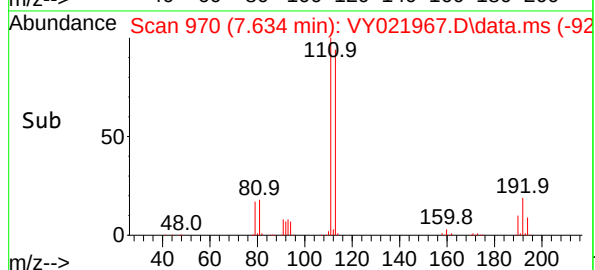
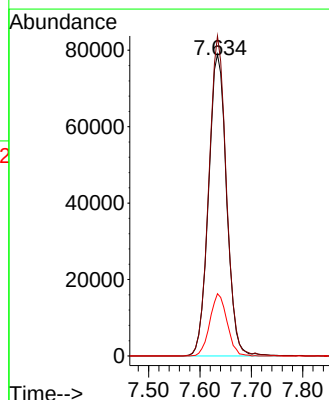
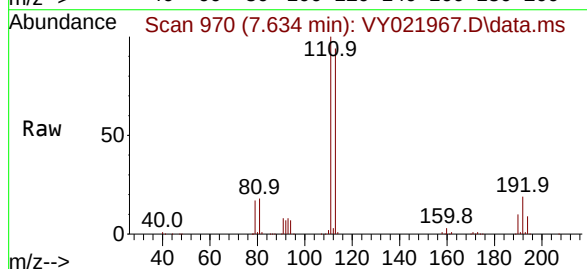
Tgt Ion:113 Resp: 192150

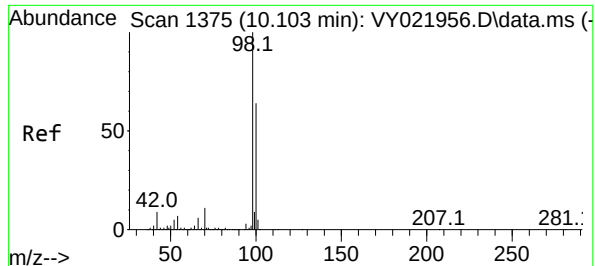
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

192 19.7 15.6 23.4





#50

Toluene-d8

Concen: 46.506 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

Instrument :

MSVOA\_Y

ClientSampleId :

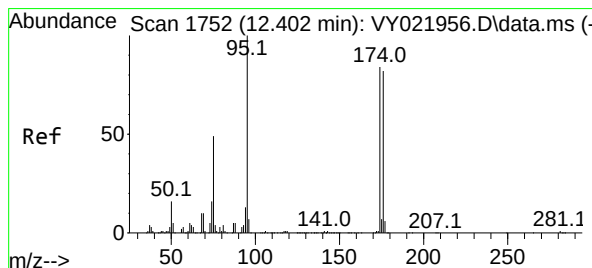
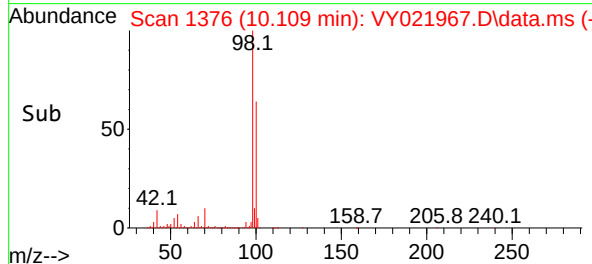
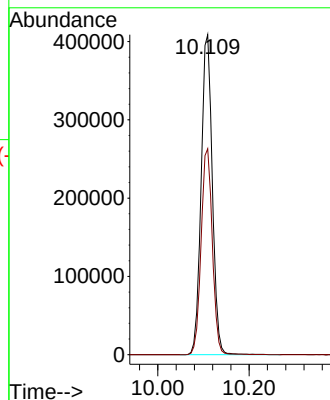
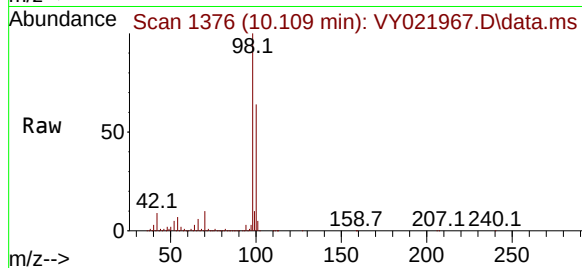
GP6

Tgt Ion: 98 Resp: 694117

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 28.047 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

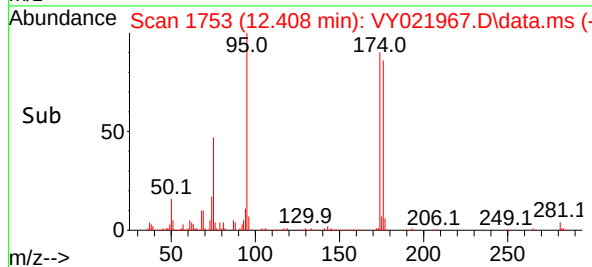
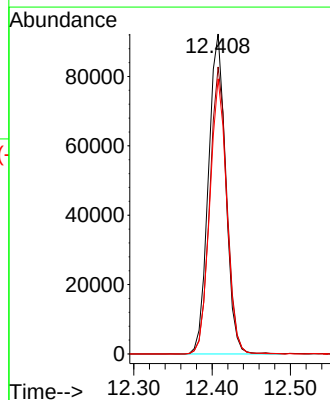
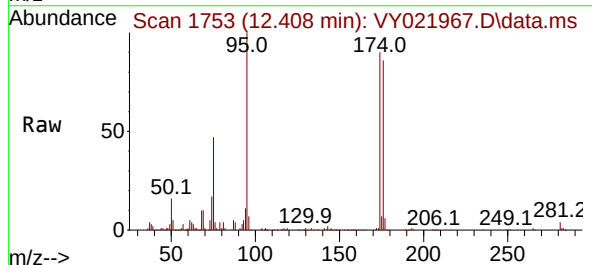
Tgt Ion: 95 Resp: 140919

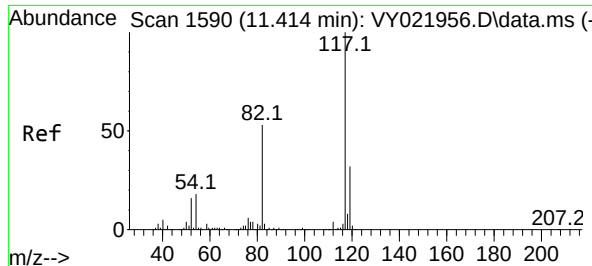
Ion Ratio Lower Upper

95 100

174 89.1 0.0 179.0

176 85.0 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

Instrument :

MSVOA\_Y

ClientSampleId :

GP6

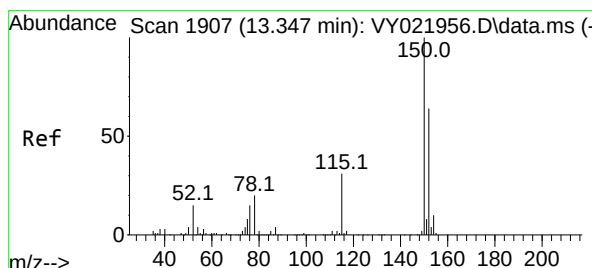
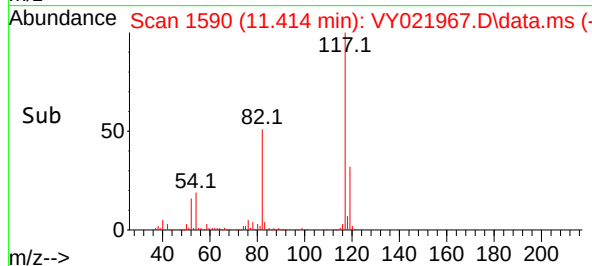
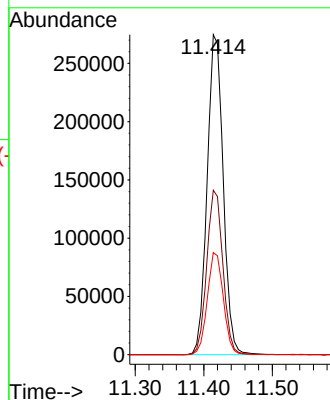
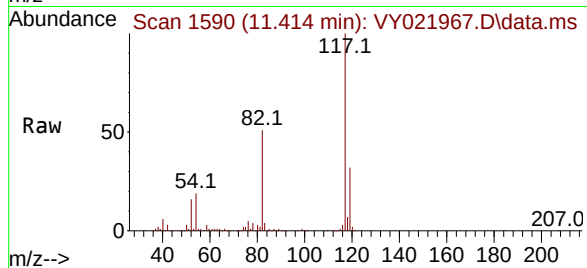
Tgt Ion:117 Resp: 448094

Ion Ratio Lower Upper

117 100

82 51.4 42.1 63.1

119 31.9 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021967.D

Acq: 23 Apr 2025 13:29

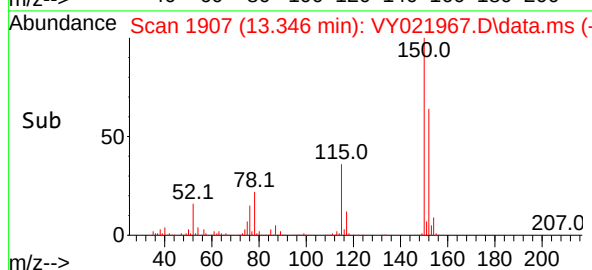
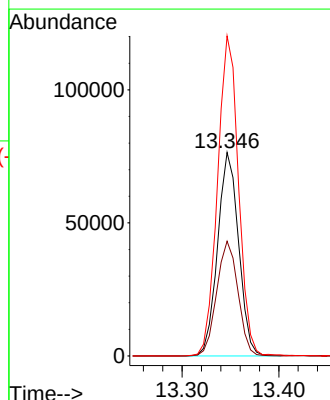
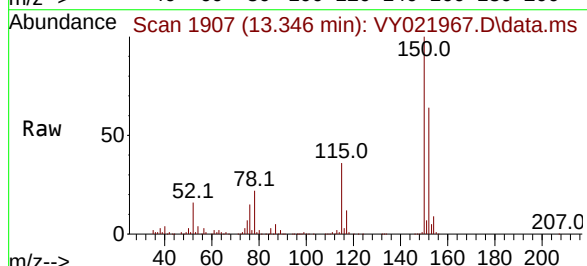
Tgt Ion:152 Resp: 115067

Ion Ratio Lower Upper

152 100

115 57.1 28.0 84.0

150 157.0 0.0 345.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021967.D  
Acq On : 23 Apr 2025 13:29  
Operator : SY/MD  
Sample : Q1851-06  
Misc : 6.19g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY021967.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 7.634       | 958           | 970         | 976          | rBV      | 266433         | 637865        | 36.17%          | 8.110%        |
| 2         | 7.707       | 976           | 982         | 999          | rVB      | 406783         | 946861        | 53.69%          | 12.039%       |
| 3         | 8.061       | 1030          | 1040        | 1054         | rBV      | 174302         | 389106        | 22.06%          | 4.947%        |
| 4         | 8.616       | 1121          | 1131        | 1147         | rBV      | 685471         | 1322888       | 75.01%          | 16.820%       |
| 5         | 10.109      | 1368          | 1376        | 1393         | rBV      | 1025917        | 1763708       | 100.00%         | 22.425%       |
| 6         | 11.414      | 1583          | 1590        | 1604         | rBV      | 790877         | 1296996       | 73.54%          | 16.491%       |
| 7         | 12.408      | 1744          | 1753        | 1767         | rBV      | 475474         | 746907        | 42.35%          | 9.497%        |
| 8         | 13.346      | 1900          | 1907        | 1914         | rBV      | 439642         | 664933        | 37.70%          | 8.454%        |
| 9         | 13.883      | 1990          | 1995        | 2004         | rVB2     | 56991          | 95581         | 5.42%           | 1.215%        |

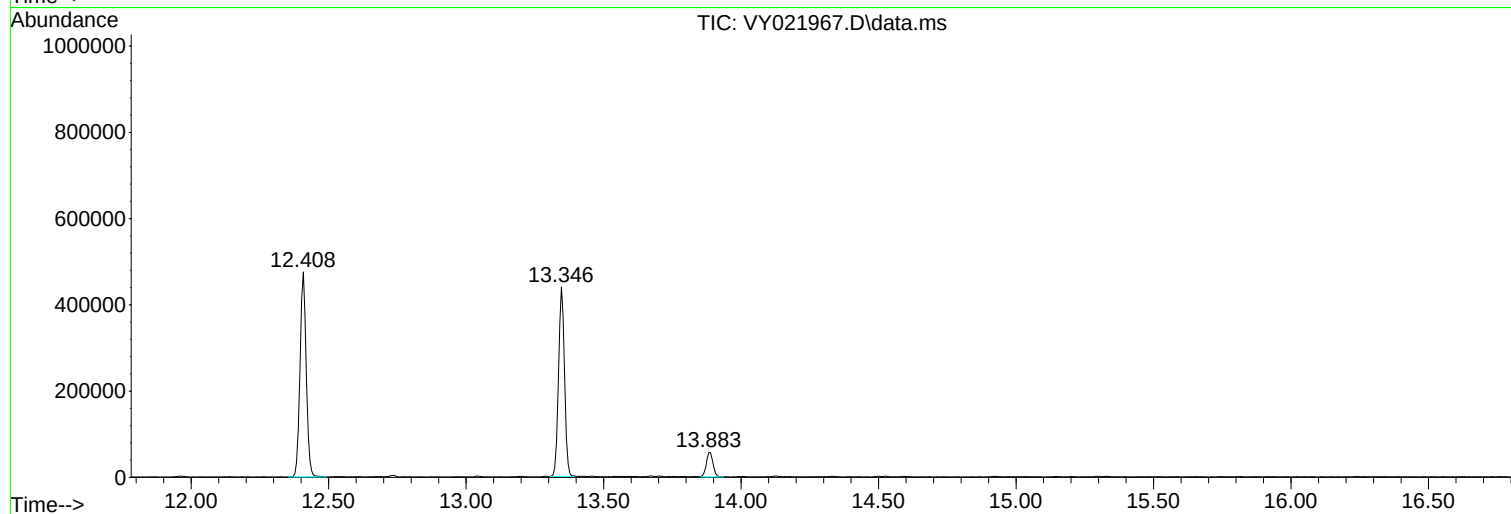
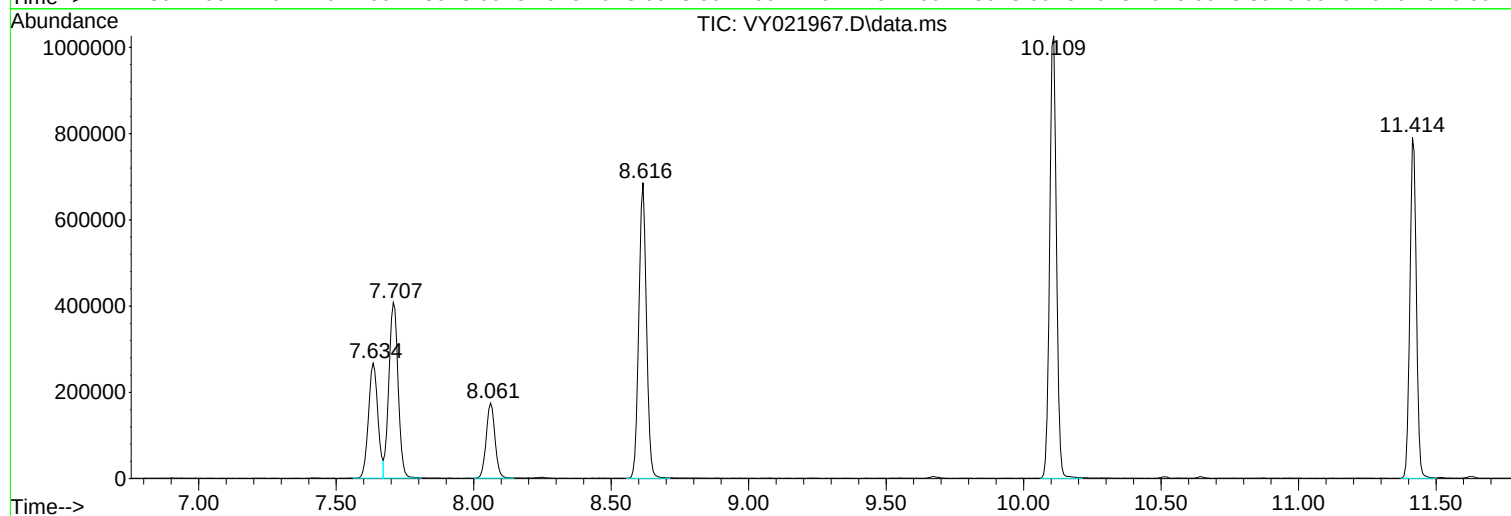
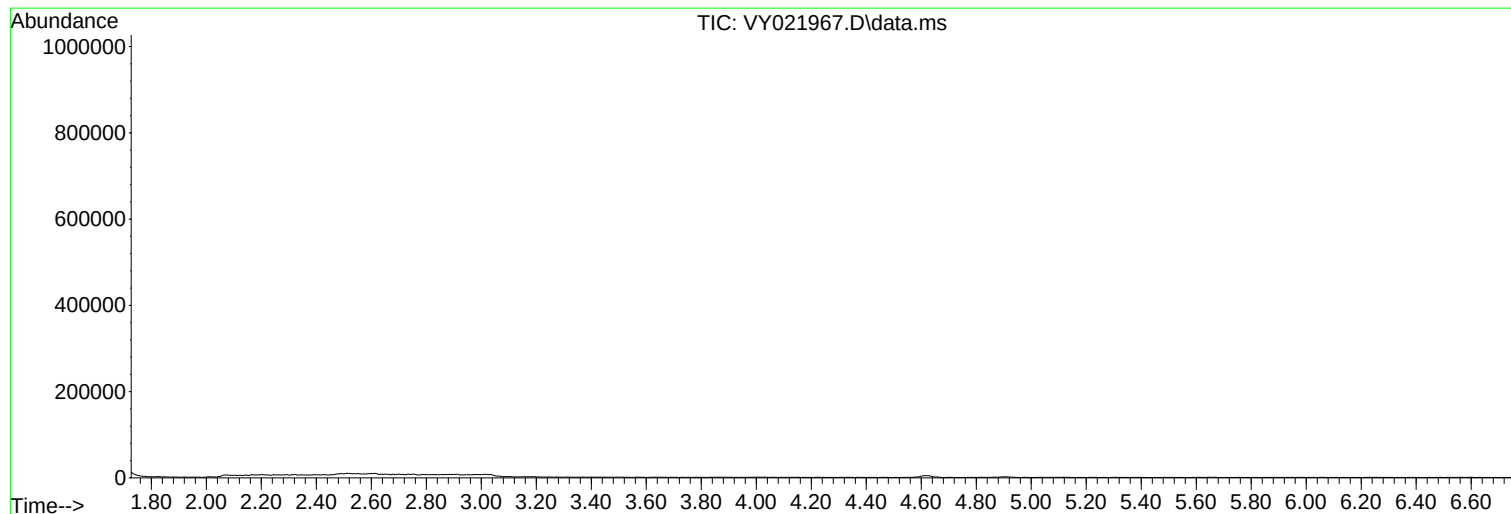
Sum of corrected areas: 7864845

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021967.D  
Acq On : 23 Apr 2025 13:29  
Operator : SY/MD  
Sample : Q1851-06  
Misc : 6.19g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021967.D  
Acq On : 23 Apr 2025 13:29  
Operator : SY/MD  
Sample : Q1851-06  
Misc : 6.19g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

\*\*\*\*\*

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021967.D  
Acq On : 23 Apr 2025 13:29  
Operator : SY/MD  
Sample : Q1851-06  
Misc : 6.19g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard-- |    |      |      |
|------------------|----|---------|-------|----------|-----------------------|----|------|------|
|                  |    |         |       |          | #                     | RT | Resp | Conc |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021950.D  
Acq On : 21 Apr 2025 15:54  
Operator : SY/MD  
Sample : Q1851-07  
Misc : 7.26g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP7

Quant Time: Apr 22 02:46:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 209157   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 398558   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 345335   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 119952   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 122099   | 53.879   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 107.760% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 133521   | 51.645   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.280% |
| 50) Toluene-d8              | 10.109 | 98    | 484652   | 49.276   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.560%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 129483   | 38.921   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 77.840%  |

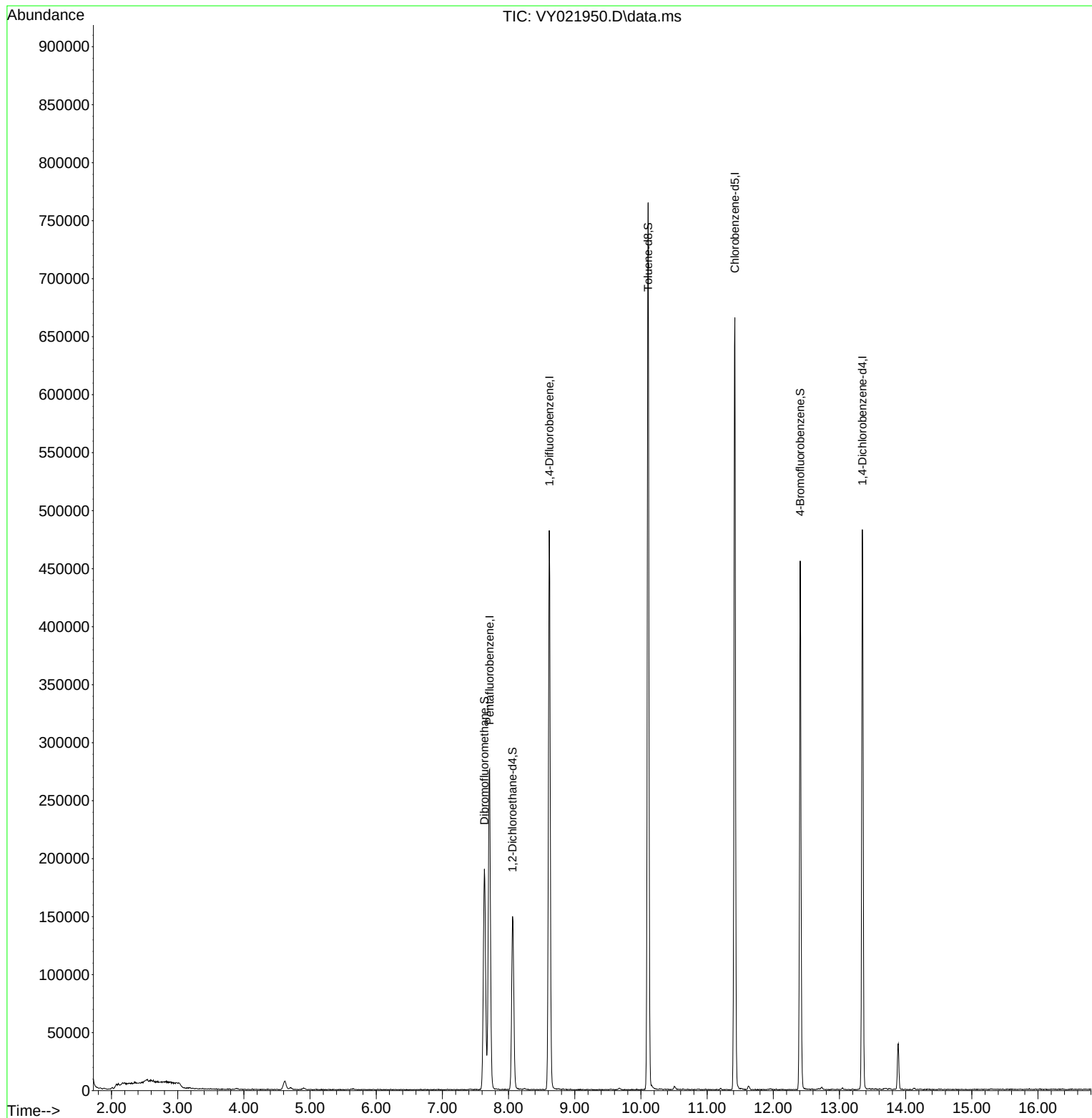
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

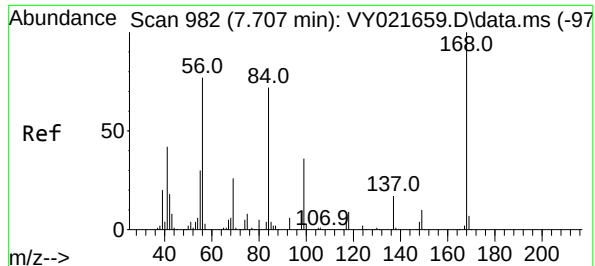
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021950.D  
Acq On : 21 Apr 2025 15:54  
Operator : SY/MD  
Sample : Q1851-07  
Misc : 7.26g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP7

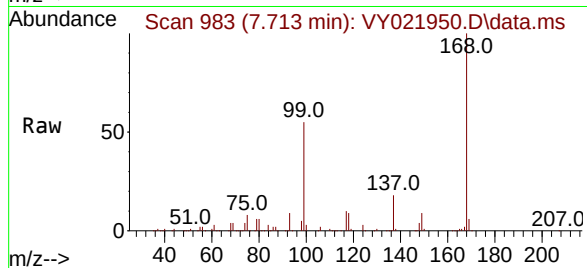
Quant Time: Apr 22 02:46:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration



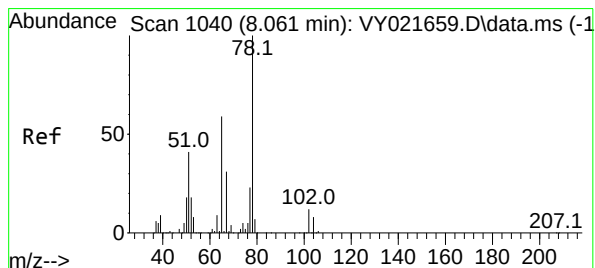
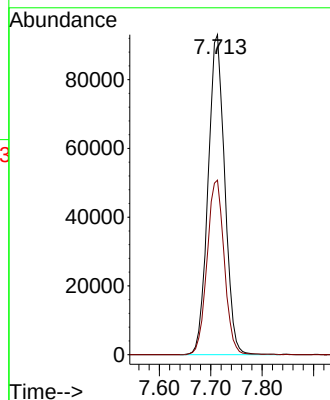
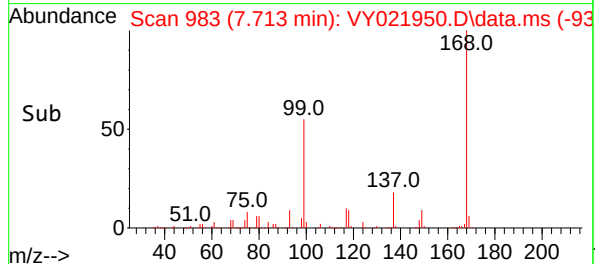


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY021950.D  
Acq: 21 Apr 2025 15:54

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP7

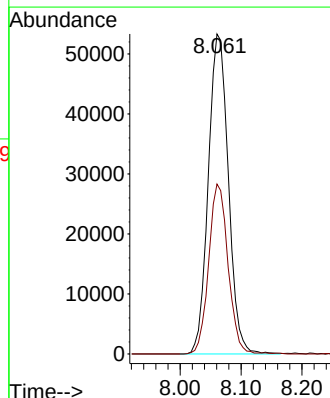
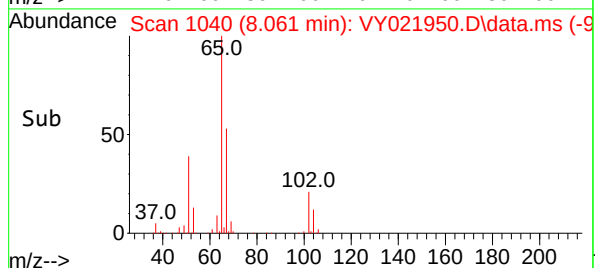
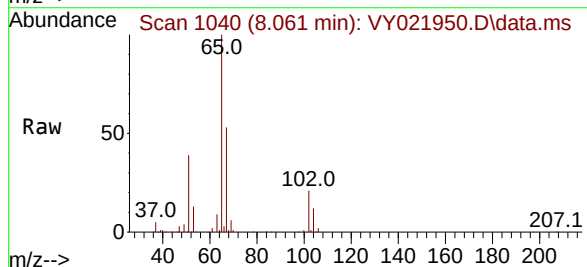


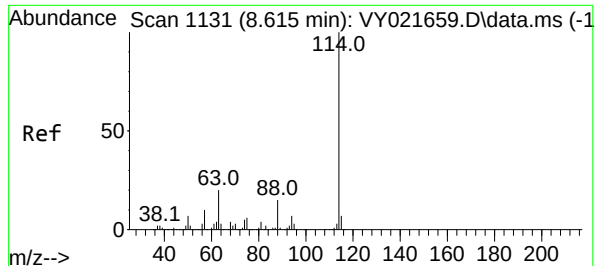
Tgt Ion:168 Resp: 209157  
Ion Ratio Lower Upper  
168 100  
99 54.6 46.7 70.1



#33  
1,2-Dichloroethane-d4  
Concen: 53.879 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY021950.D  
Acq: 21 Apr 2025 15:54

Tgt Ion: 65 Resp: 122099  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

Instrument :

MSVOA\_Y

ClientSampleId :

GP7

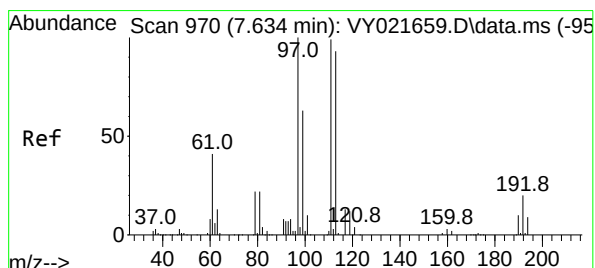
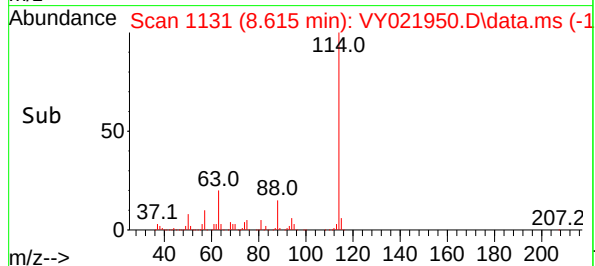
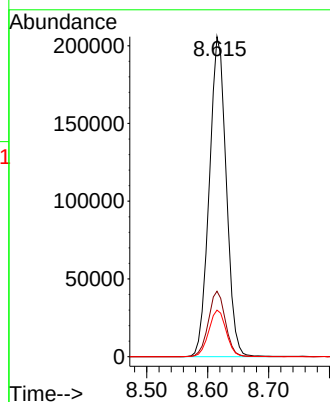
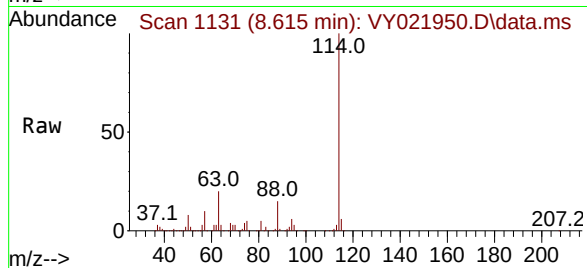
Tgt Ion:114 Resp: 398558

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 14.6 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.645 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

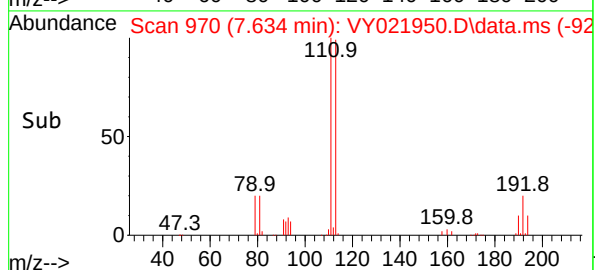
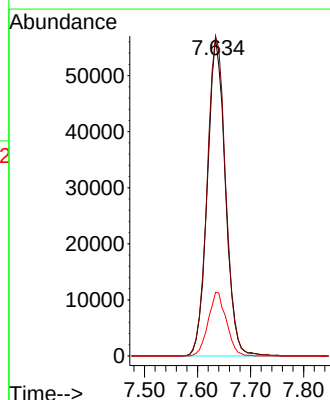
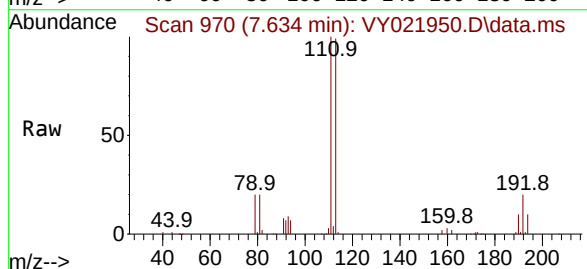
Tgt Ion:113 Resp: 133521

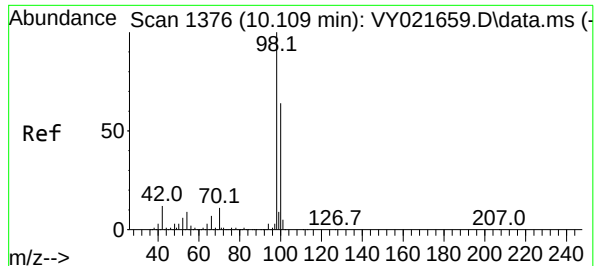
Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 20.2 16.2 24.4





#50

Toluene-d8

Concen: 49.276 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

Instrument :

MSVOA\_Y

ClientSampleId :

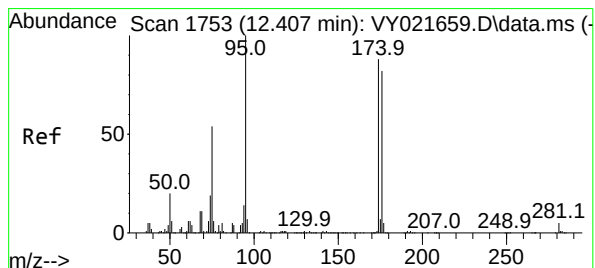
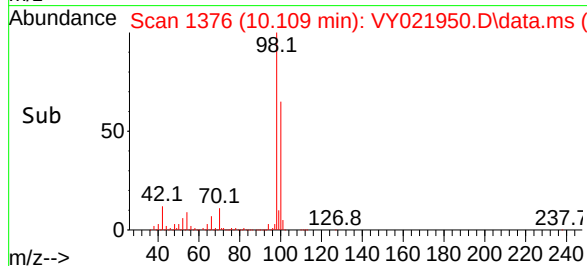
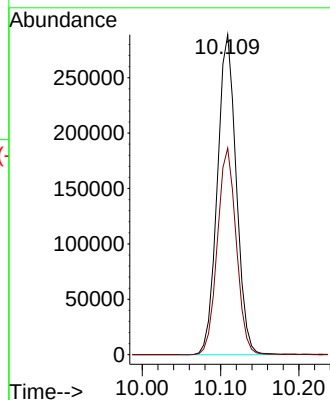
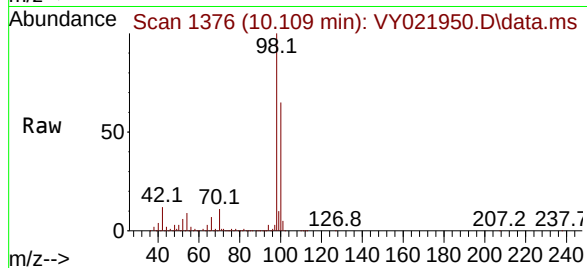
GP7

Tgt Ion: 98 Resp: 484652

Ion Ratio Lower Upper

98 100

100 64.4 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 38.921 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

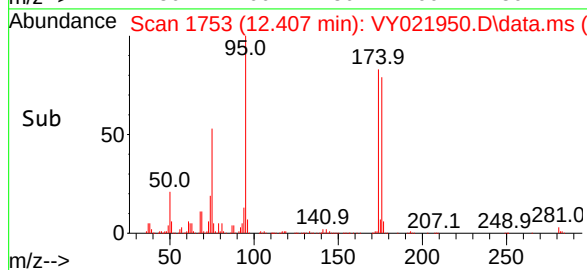
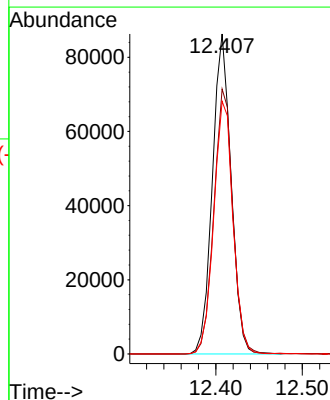
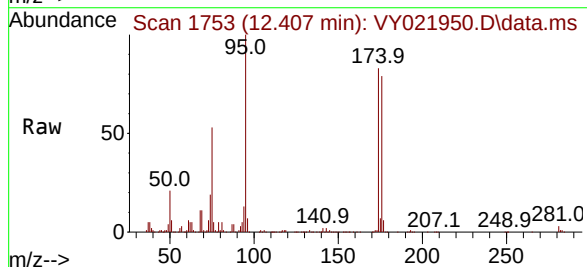
Tgt Ion: 95 Resp: 129483

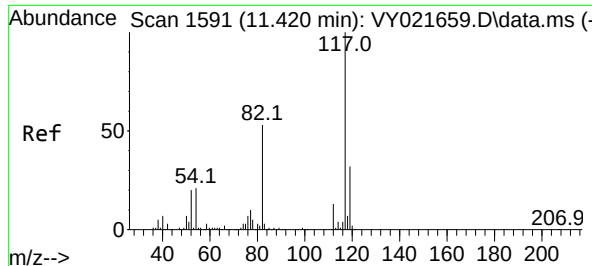
Ion Ratio Lower Upper

95 100

174 84.3 0.0 170.8

176 81.2 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

Instrument :

MSVOA\_Y

ClientSampleId :

GP7

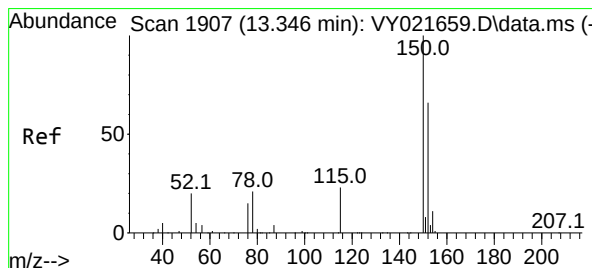
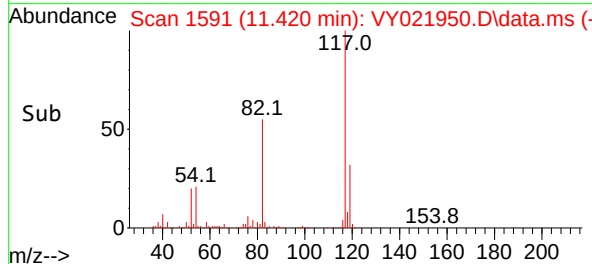
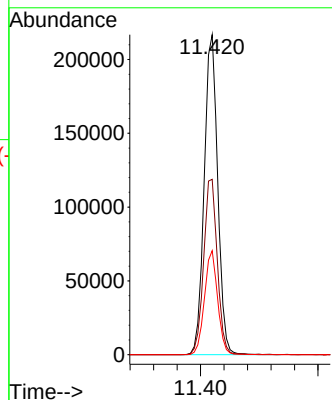
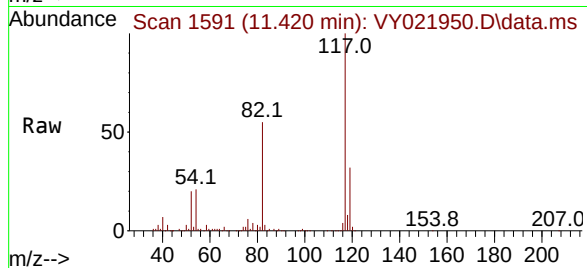
Tgt Ion:117 Resp: 345335

Ion Ratio Lower Upper

117 100

82 54.8 42.8 64.2

119 32.5 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021950.D

Acq: 21 Apr 2025 15:54

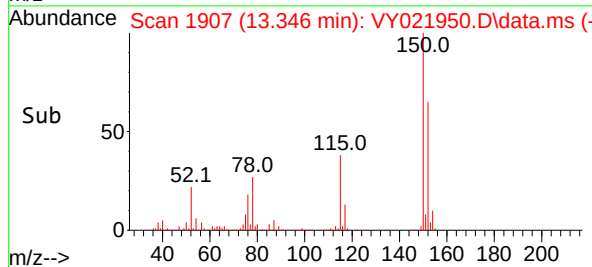
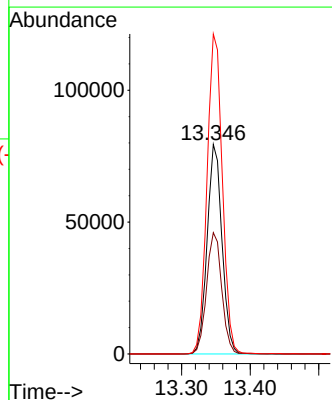
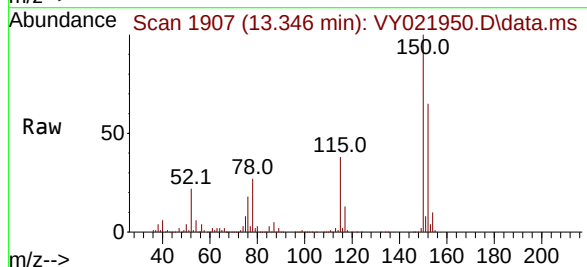
Tgt Ion:152 Resp: 119952

Ion Ratio Lower Upper

152 100

115 59.2 28.8 86.5

150 157.1 0.0 348.4



5

A

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021950.D  
Acq On : 21 Apr 2025 15:54  
Operator : SY/MD  
Sample : Q1851-07  
Misc : 7.26g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP7

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M

Title : SW846 8260

Signal : TIC: VY021950.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.622       | 464           | 476         | 485          | rBV3     | 7443           | 24051         | 1.85%           | 0.382%        |
| 2         | 7.634       | 960           | 970         | 976          | rBV2     | 190065         | 452387        | 34.86%          | 7.190%        |
| 3         | 7.713       | 976           | 983         | 996          | rVB      | 275756         | 641386        | 49.43%          | 10.194%       |
| 4         | 8.061       | 1031          | 1040        | 1052         | rBV      | 149445         | 341010        | 26.28%          | 5.420%        |
| 5         | 8.615       | 1122          | 1131        | 1146         | rBV      | 481839         | 941755        | 72.58%          | 14.968%       |
| 6         | 10.109      | 1368          | 1376        | 1384         | rBV      | 764577         | 1297601       | 100.00%         | 20.624%       |
| 7         | 11.420      | 1583          | 1591        | 1602         | rBV      | 665624         | 1074194       | 82.78%          | 17.073%       |
| 8         | 12.407      | 1745          | 1753        | 1763         | rBV      | 456027         | 714399        | 55.06%          | 11.354%       |
| 9         | 13.346      | 1900          | 1907        | 1919         | rVB      | 482397         | 742448        | 57.22%          | 11.800%       |
| 10        | 13.889      | 1989          | 1996        | 2002         | rBV2     | 39259          | 62619         | 4.83%           | 0.995%        |

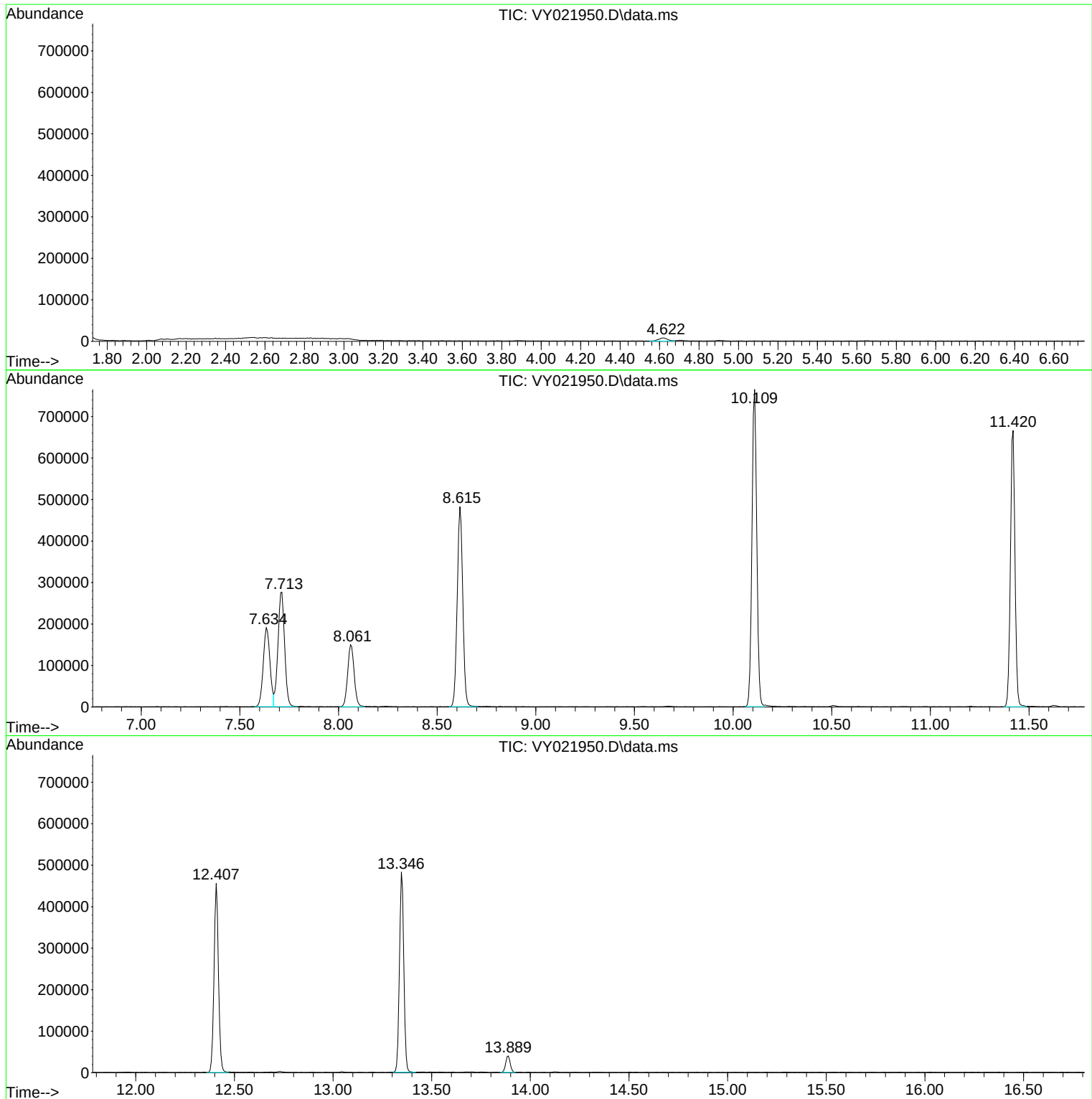
Sum of corrected areas: 6291850

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021950.D  
Acq On : 21 Apr 2025 15:54  
Operator : SY/MD  
Sample : Q1851-07  
Misc : 7.26g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021950.D  
Acq On : 21 Apr 2025 15:54  
Operator : SY/MD  
Sample : Q1851-07  
Misc : 7.26g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

\*\*\*\*\*

5

A

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D

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H

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J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021950.D  
Acq On : 21 Apr 2025 15:54  
Operator : SY/MD  
Sample : Q1851-07  
Misc : 7.26g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
GP7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard-- |    |      |      |
|------------------|----|---------|-------|----------|-----------------------|----|------|------|
|                  |    |         |       |          | #                     | RT | Resp | Conc |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021936.D  
Acq On : 21 Apr 2025 09:42  
Operator : SY/MD  
Sample : VY0421SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBL01

Quant Time: Apr 22 02:43:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 238181   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 431702   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 370399   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.352 | 152  | 140852   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.060  | 65    | 130238   | 50.468   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 100.940% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 145598   | 51.992   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.980% |
| 50) Toluene-d8              | 10.109 | 98    | 509819   | 47.855   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.700%  |
| 62) 4-Bromofluorobenzene    | 12.407 | 95    | 144494   | 40.098   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 80.200%  |

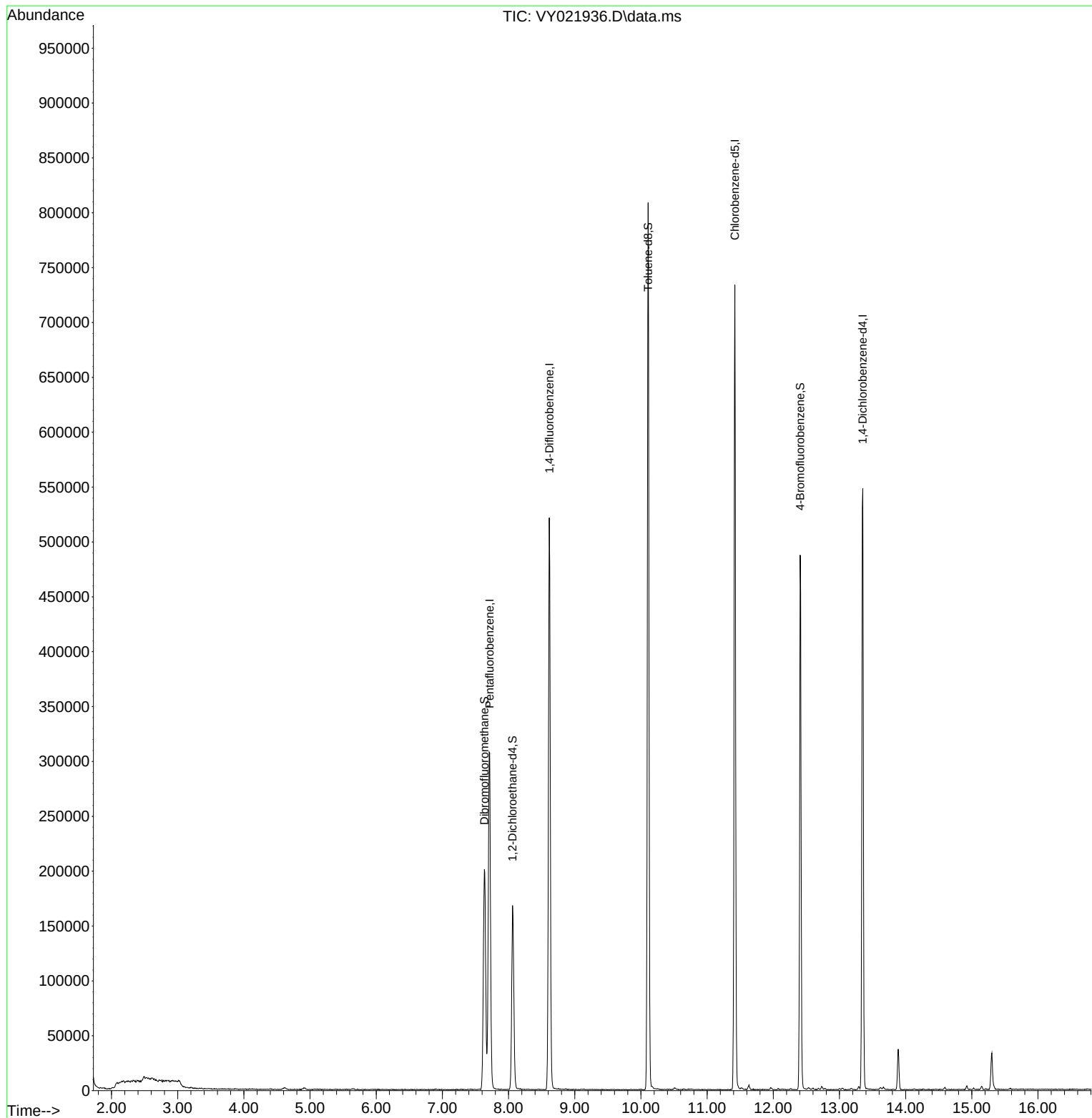
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

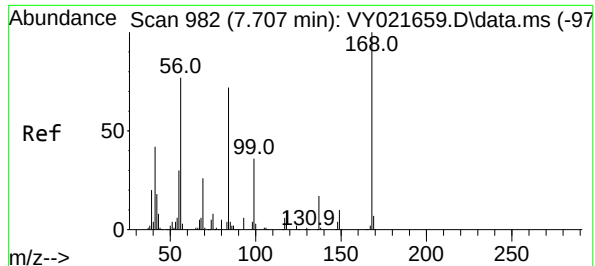
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021936.D  
Acq On : 21 Apr 2025 09:42  
Operator : SY/MD  
Sample : VY0421SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBL01

Quant Time: Apr 22 02:43:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

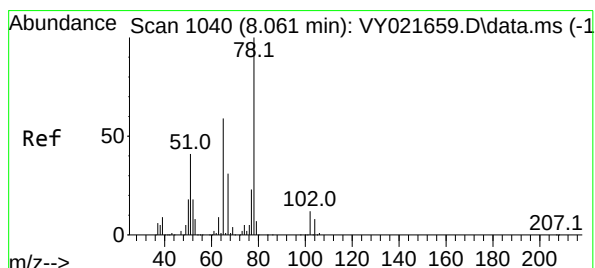
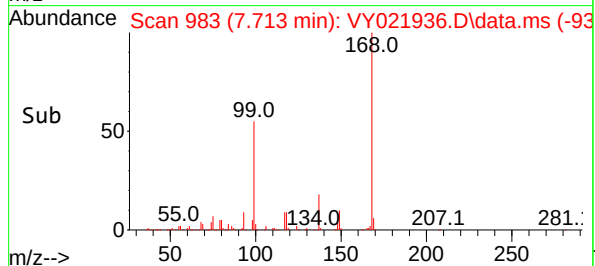
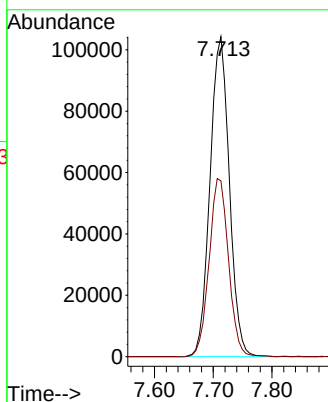
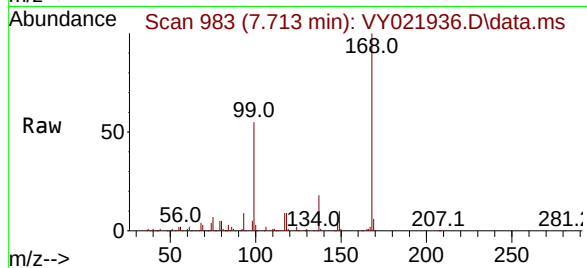




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY021936.D  
Acq: 21 Apr 2025 09:42

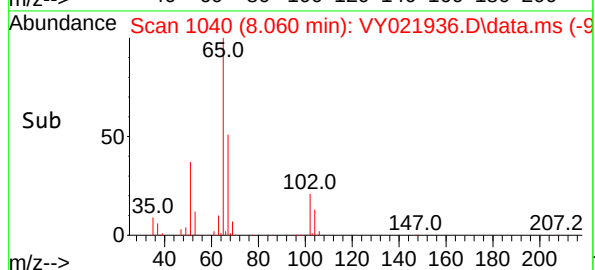
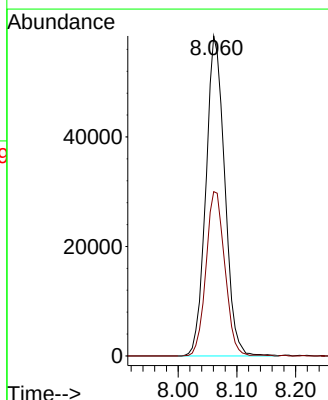
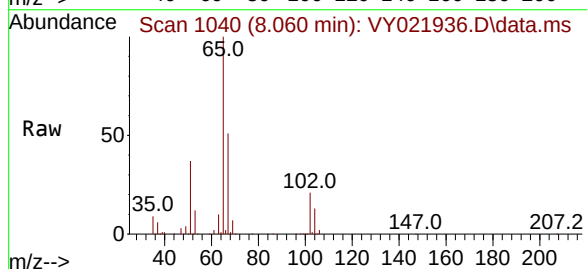
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBL01

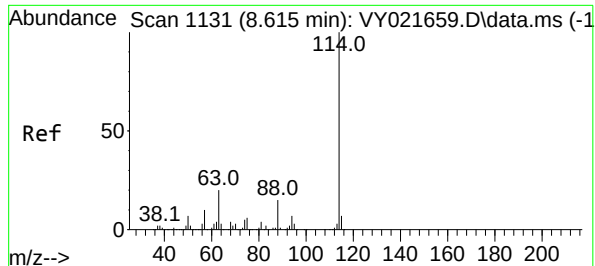
Tgt Ion:168 Resp: 238181  
Ion Ratio Lower Upper  
168 100  
99 54.9 46.7 70.1



#33  
1,2-Dichloroethane-d4  
Concen: 50.468 ug/l  
RT: 8.060 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY021936.D  
Acq: 21 Apr 2025 09:42

Tgt Ion: 65 Resp: 130238  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021936.D

Acq: 21 Apr 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBL01

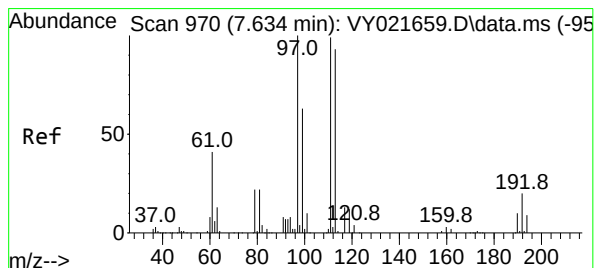
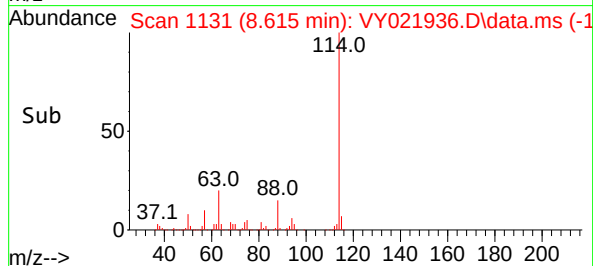
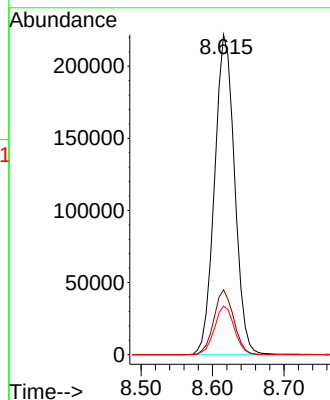
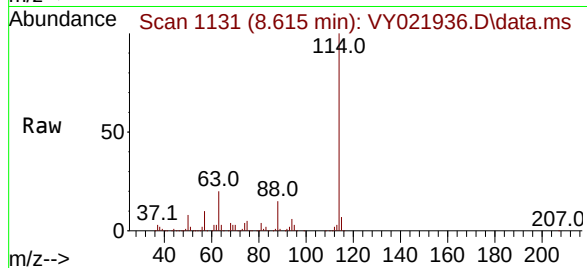
Tgt Ion:114 Resp: 431702

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.2

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 51.992 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021936.D

Acq: 21 Apr 2025 09:42

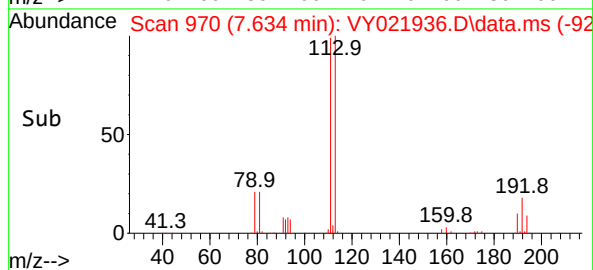
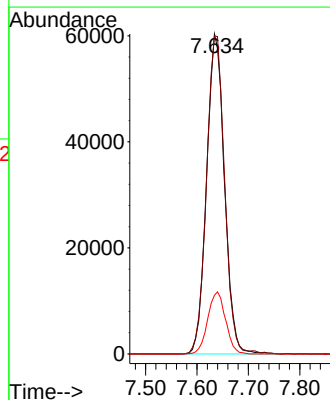
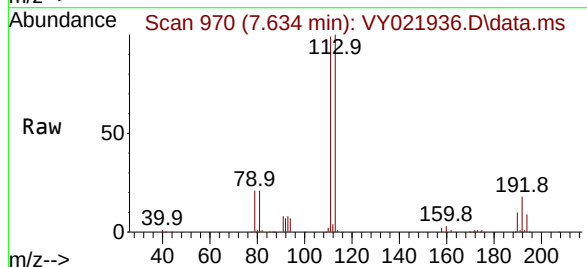
Tgt Ion:113 Resp: 145598

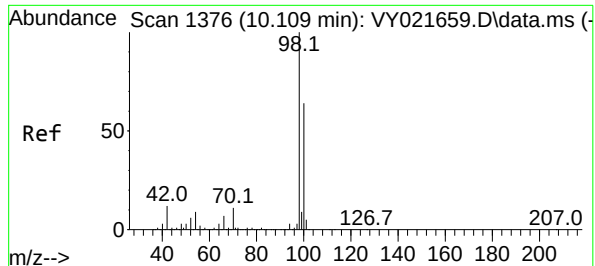
Ion Ratio Lower Upper

113 100

111 101.0 82.6 123.8

192 19.4 16.2 24.4





#50

Toluene-d8

Concen: 47.855 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY021936.D

Acq: 21 Apr 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

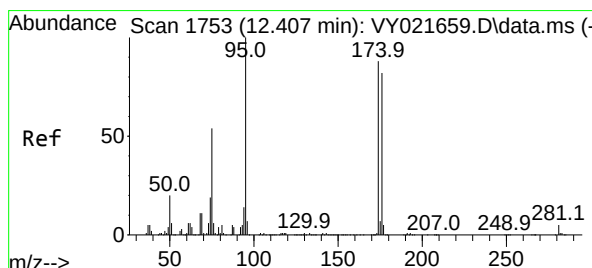
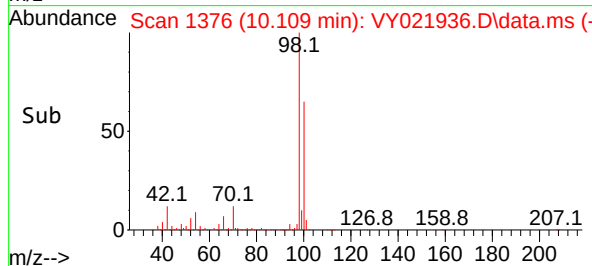
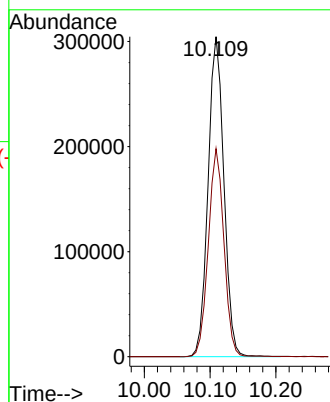
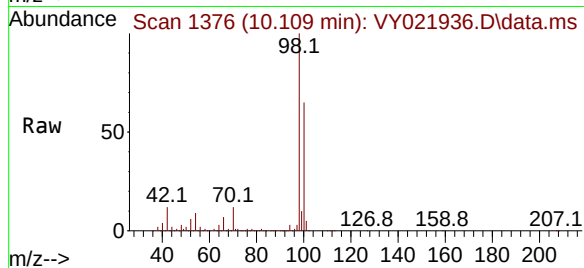
VY0421SBL01

Tgt Ion: 98 Resp: 509819

Ion Ratio Lower Upper

98 100

100 64.2 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 40.098 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY021936.D

Acq: 21 Apr 2025 09:42

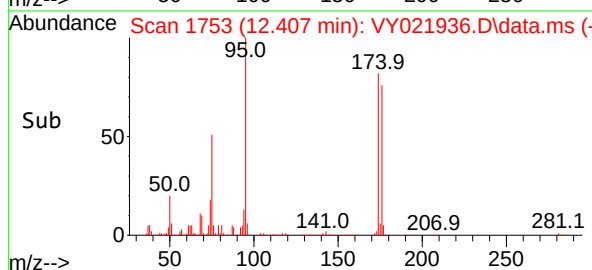
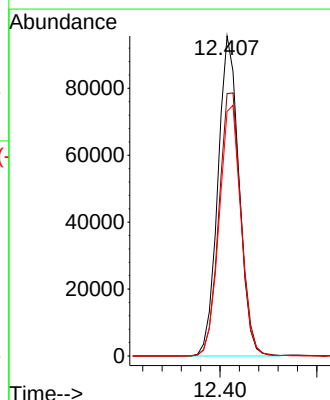
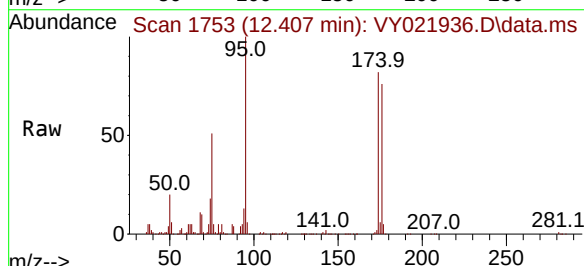
Tgt Ion: 95 Resp: 144494

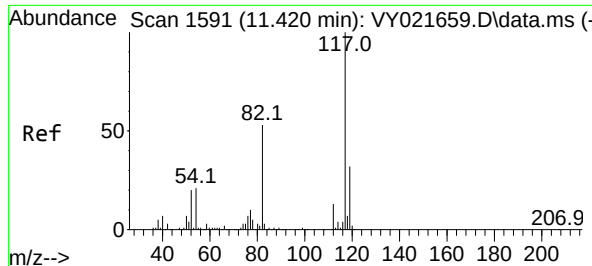
Ion Ratio Lower Upper

95 100

174 86.0 0.0 170.8

176 81.0 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY021936.D

Acq: 21 Apr 2025 09:42

Instrument :

MSVOA\_Y

ClientSampleId :

VY0421SBL01

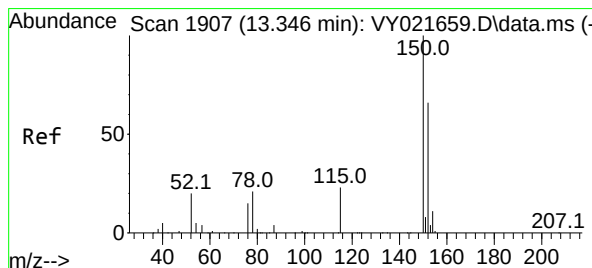
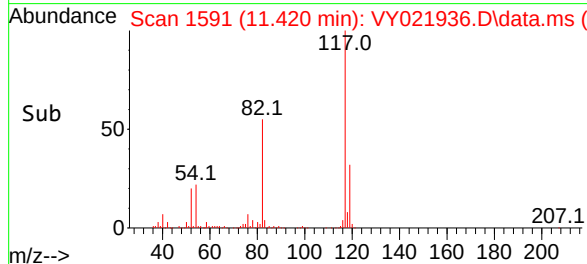
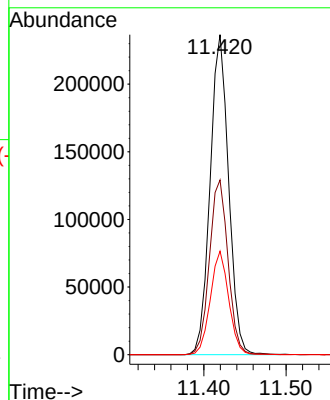
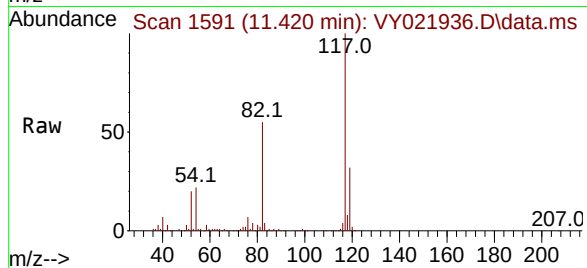
Tgt Ion:117 Resp: 370399

Ion Ratio Lower Upper

117 100

82 54.6 42.8 64.2

119 32.4 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY021936.D

Acq: 21 Apr 2025 09:42

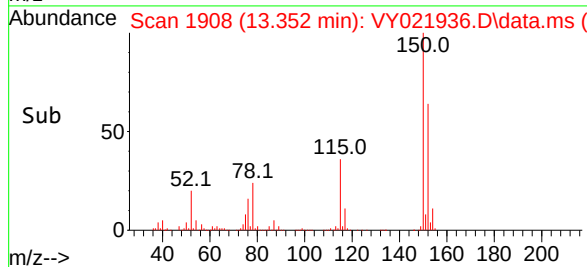
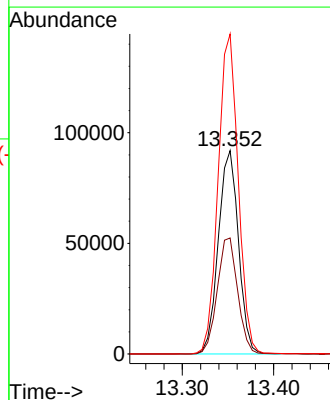
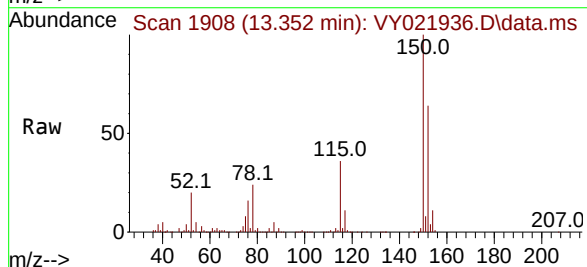
Tgt Ion:152 Resp: 140852

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 157.0 0.0 348.4



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021936.D  
Acq On : 21 Apr 2025 09:42  
Operator : SY/MD  
Sample : VY0421SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M

Title : SW846 8260

Signal : TIC: VY021936.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 7.634       | 961           | 970         | 976          | rBV      | 200819         | 487010        | 35.79%          | 7.115%        |
| 2         | 7.707       | 976           | 982         | 995          | rVB      | 306844         | 717242        | 52.70%          | 10.478%       |
| 3         | 8.060       | 1031          | 1040        | 1053         | rBV      | 167647         | 367322        | 26.99%          | 5.366%        |
| 4         | 8.615       | 1122          | 1131        | 1143         | rBV      | 521106         | 1017999       | 74.81%          | 14.872%       |
| 5         | 10.109      | 1366          | 1376        | 1384         | rBV      | 808561         | 1360870       | 100.00%         | 19.881%       |
| 6         | 11.420      | 1583          | 1591        | 1603         | rBV      | 733189         | 1150252       | 84.52%          | 16.804%       |
| 7         | 12.407      | 1744          | 1753        | 1765         | rBV      | 487309         | 762822        | 56.05%          | 11.144%       |
| 8         | 13.352      | 1901          | 1908        | 1916         | rBV      | 547096         | 857732        | 63.03%          | 12.530%       |
| 9         | 13.889      | 1988          | 1996        | 2002         | rBV      | 37020          | 59937         | 4.40%           | 0.876%        |
| 10        | 15.303      | 2221          | 2228        | 2239         | rBV      | 33291          | 63990         | 4.70%           | 0.935%        |

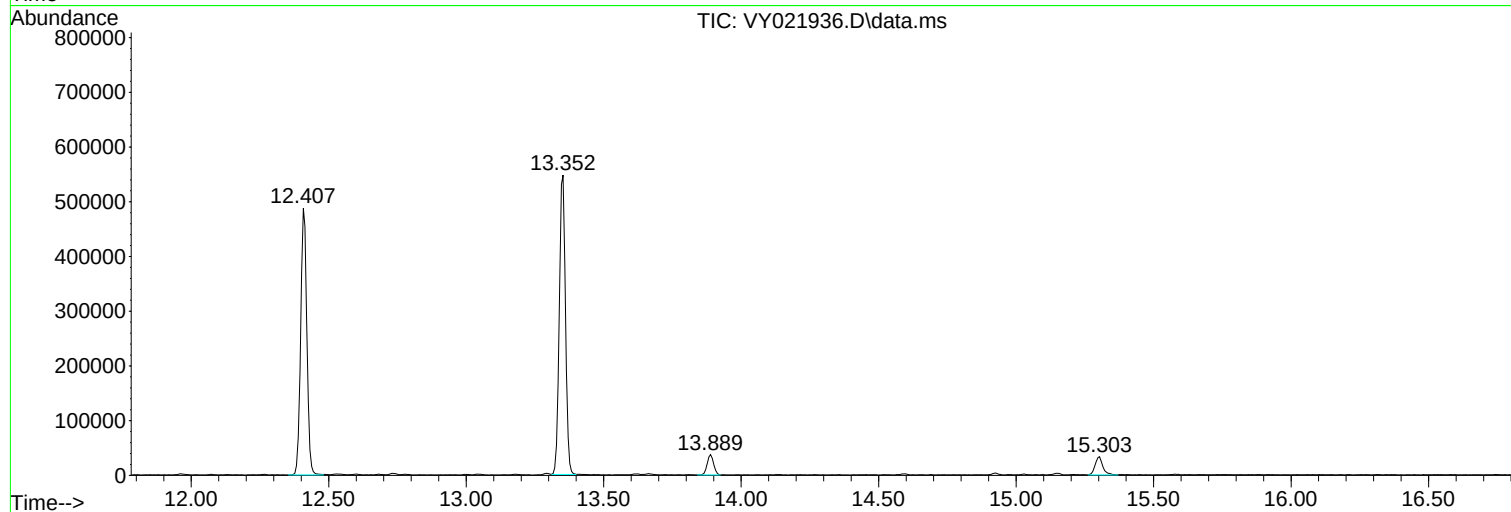
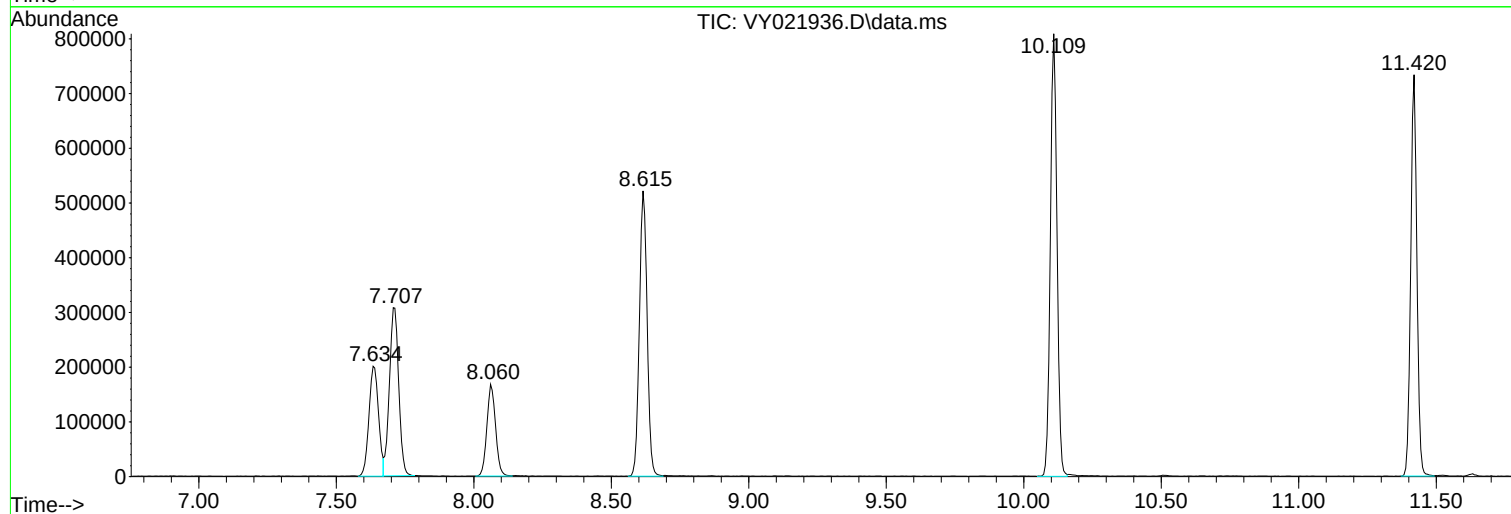
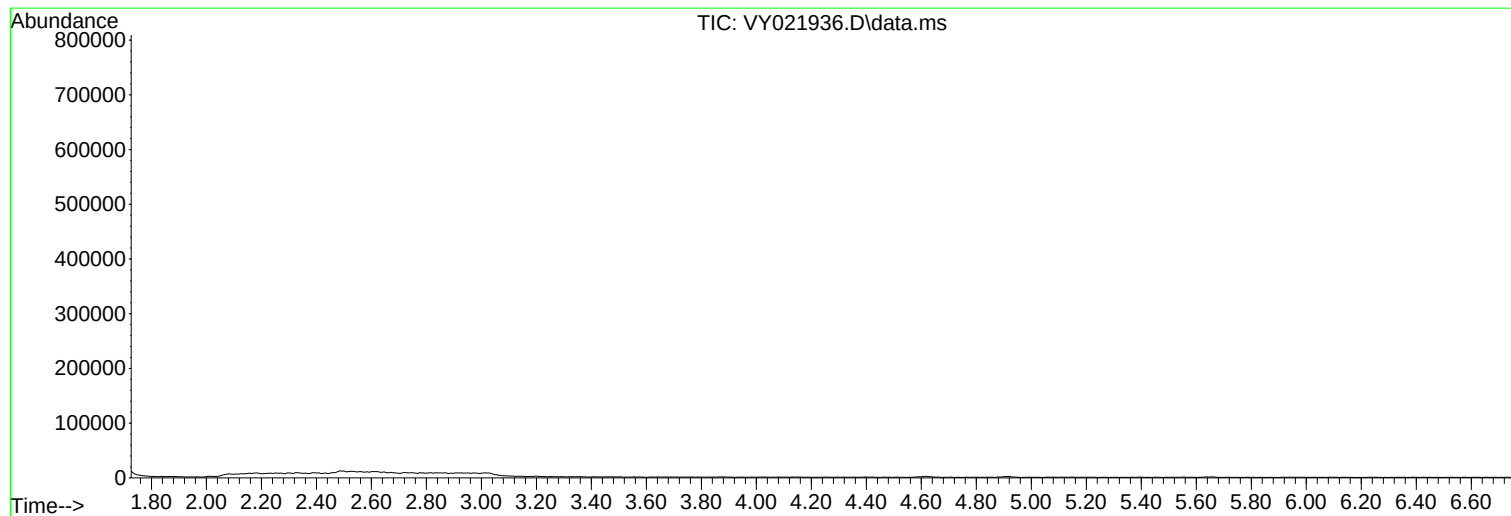
Sum of corrected areas: 6845176

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021936.D  
Acq On : 21 Apr 2025 09:42  
Operator : SY/MD  
Sample : VY0421SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021936.D  
Acq On : 21 Apr 2025 09:42  
Operator : SY/MD  
Sample : VY0421SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021936.D  
Acq On : 21 Apr 2025 09:42  
Operator : SY/MD  
Sample : VY0421SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard-- |    |      |      |
|------------------|----|---------|-------|----------|-----------------------|----|------|------|
|                  |    |         |       |          | #                     | RT | Resp | Conc |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021963.D  
Acq On : 23 Apr 2025 10:31  
Operator : SY/MD  
Sample : VY0423SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0423SBL01

Quant Time: Apr 24 03:44:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 23 02:30:30 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 319981   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 599033   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 525205   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 194434   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 151146   | 51.139   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 102.280% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 197999   | 50.031   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.060% |
| 50) Toluene-d8              | 10.109 | 98    | 710393   | 47.614   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 95.220%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 193641   | 38.554   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 77.100%  |

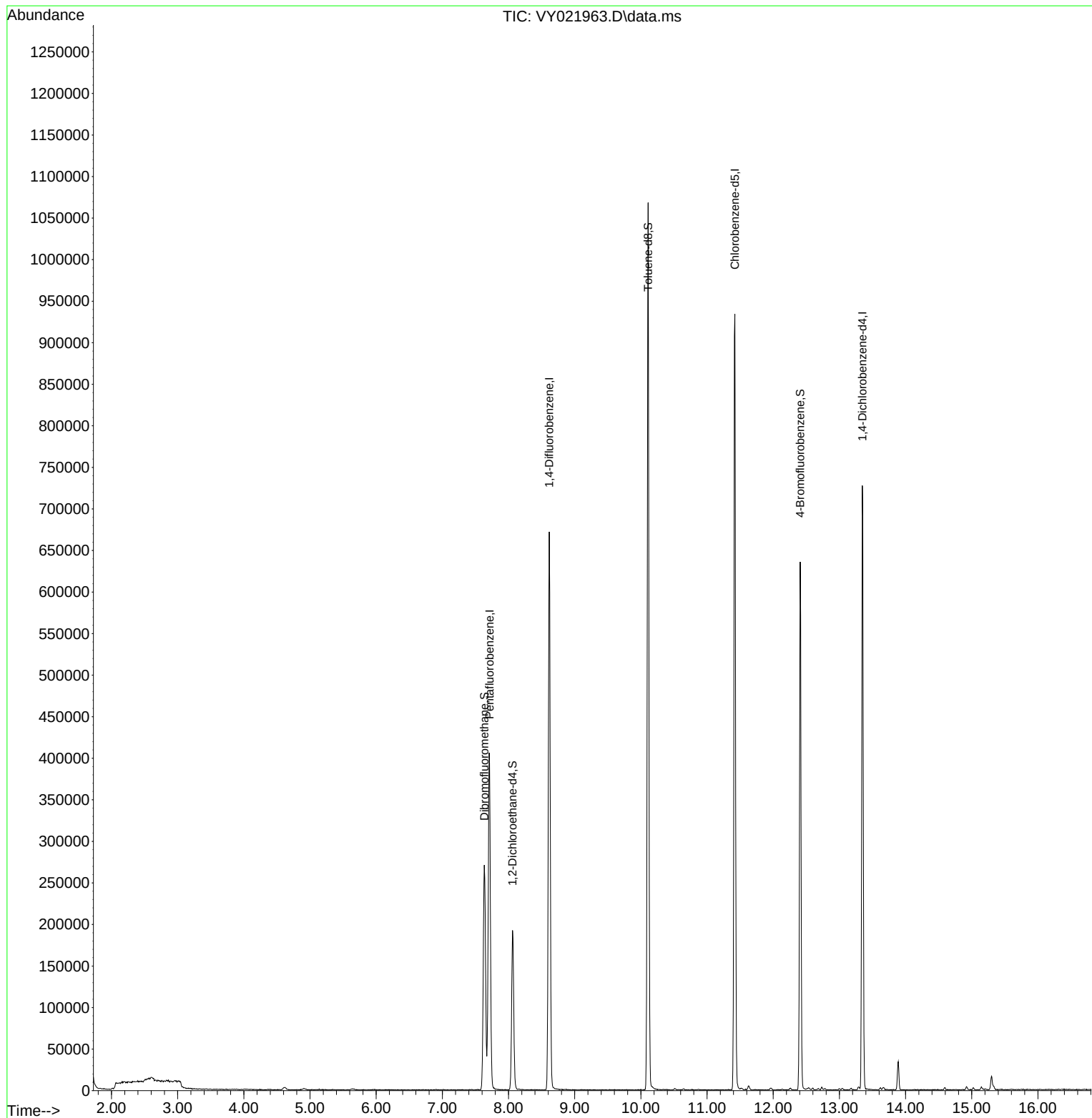
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

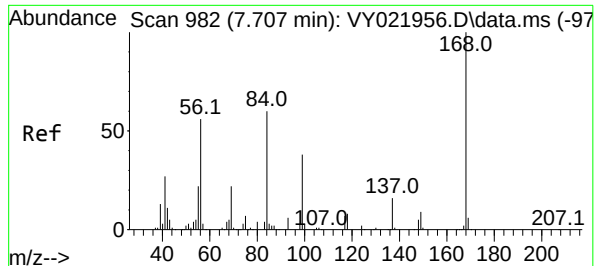
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021963.D  
Acq On : 23 Apr 2025 10:31  
Operator : SY/MD  
Sample : VY0423SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0423SBL01

Quant Time: Apr 24 03:44:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 23 02:30:30 2025  
Response via : Initial Calibration

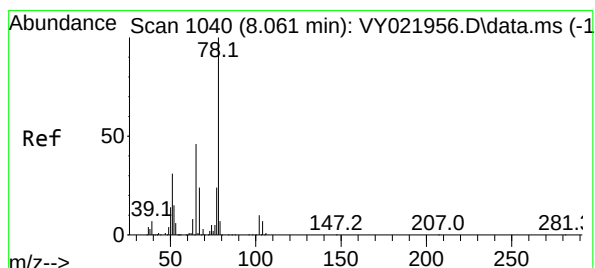
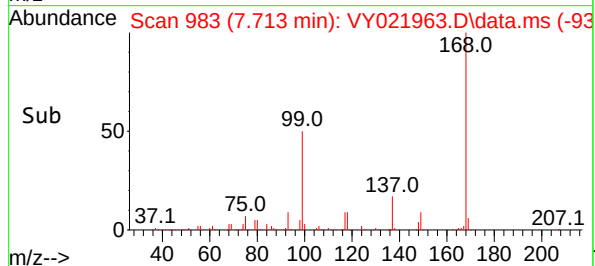
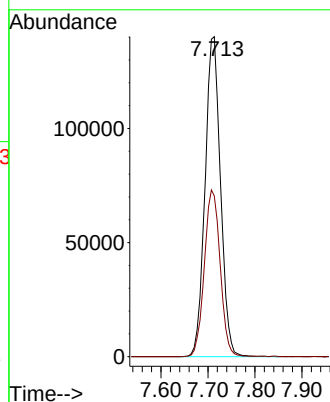
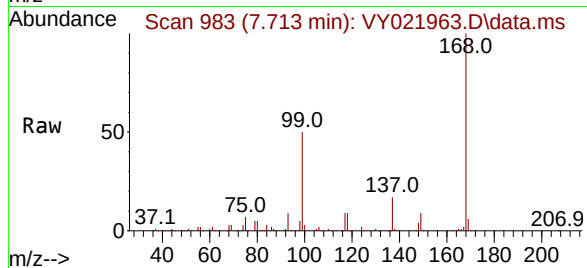




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY021963.D  
Acq: 23 Apr 2025 10:31

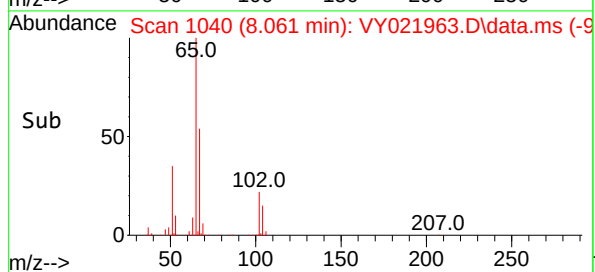
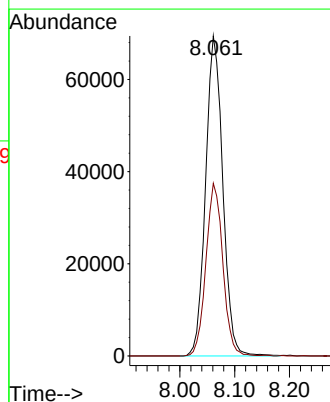
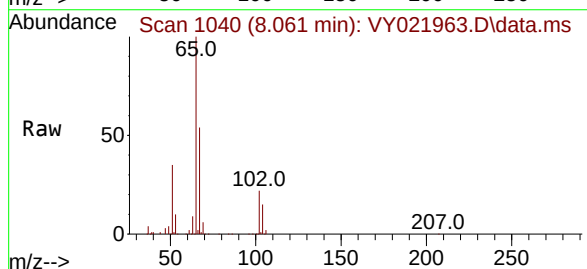
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0423SBL01

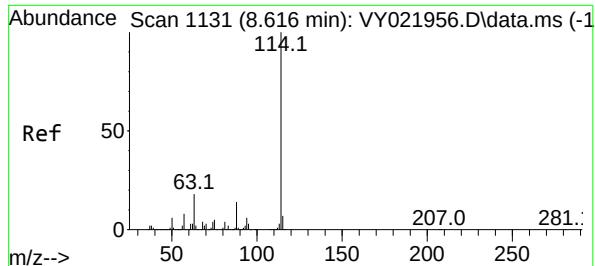
Tgt Ion:168 Resp: 319981  
Ion Ratio Lower Upper  
168 100  
99 50.2 43.1 64.7



#33  
1,2-Dichloroethane-d4  
Concen: 51.139 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021963.D  
Acq: 23 Apr 2025 10:31

Tgt Ion: 65 Resp: 151146  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021963.D

Acq: 23 Apr 2025 10:31

Instrument :

MSVOA\_Y

ClientSampleId :

VY0423SBL01

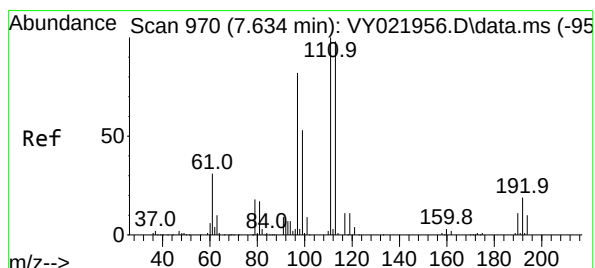
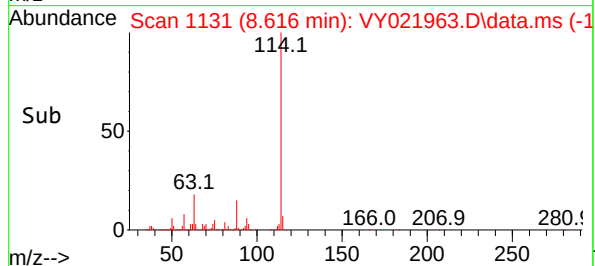
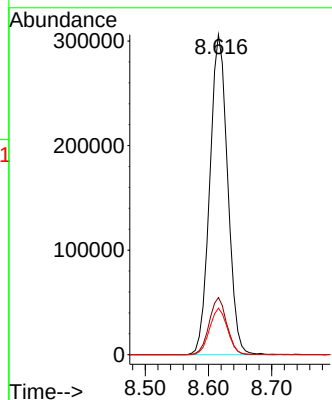
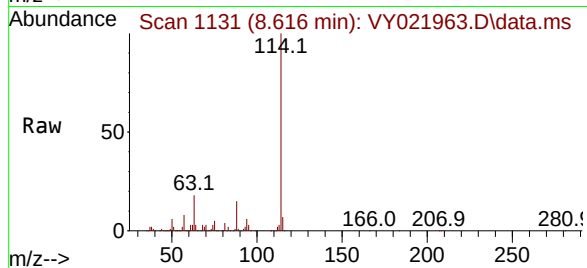
Tgt Ion:114 Resp: 599033

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.4

88 14.6 0.0 28.2



#35

Dibromofluoromethane

Concen: 50.031 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021963.D

Acq: 23 Apr 2025 10:31

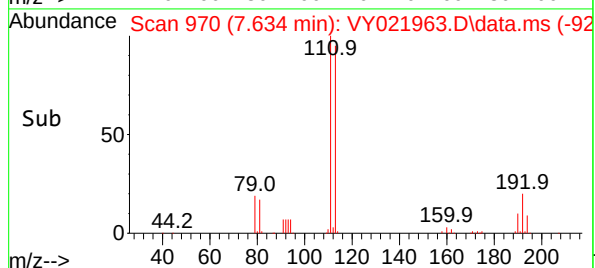
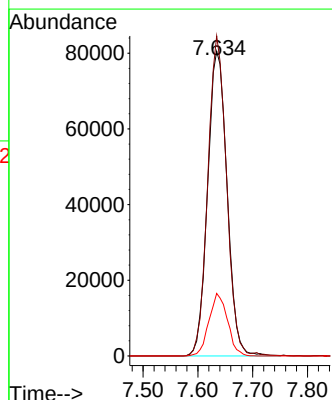
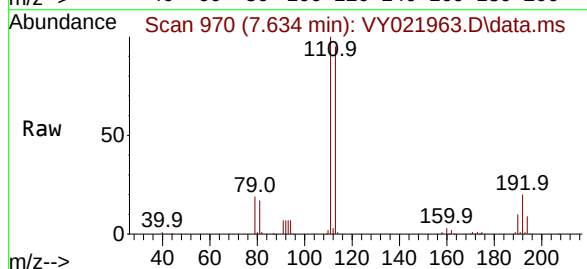
Tgt Ion:113 Resp: 197999

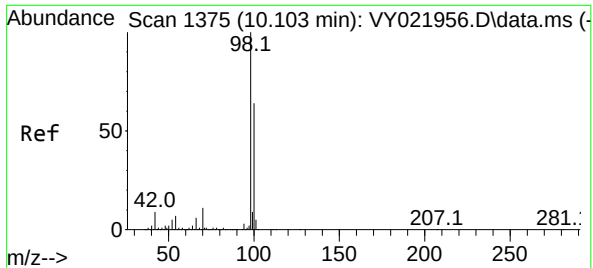
Ion Ratio Lower Upper

113 100

111 101.3 81.8 122.8

192 19.6 15.6 23.4

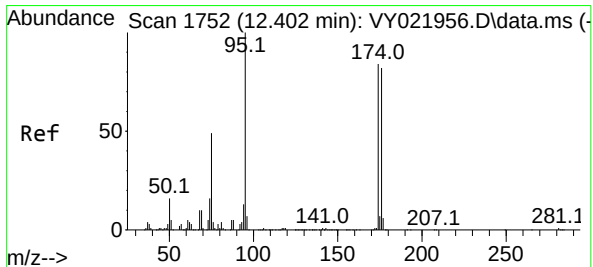
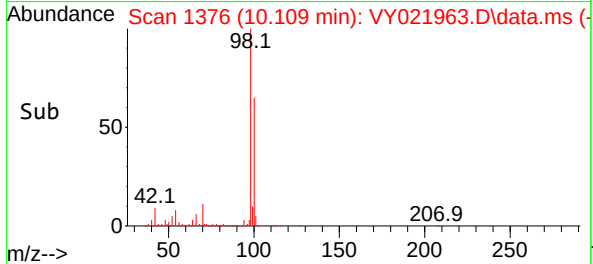
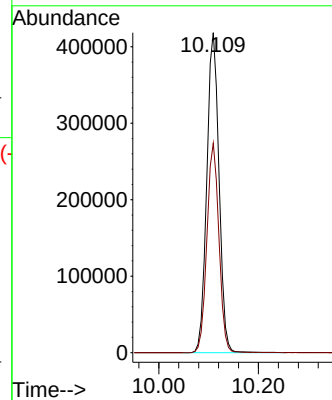
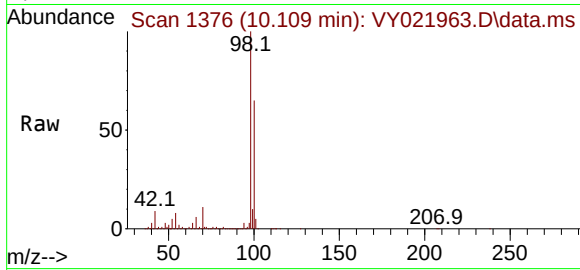




#50  
Toluene-d8  
Concen: 47.614 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY021963.D  
Acq: 23 Apr 2025 10:31

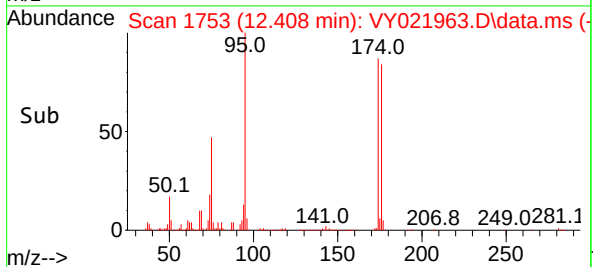
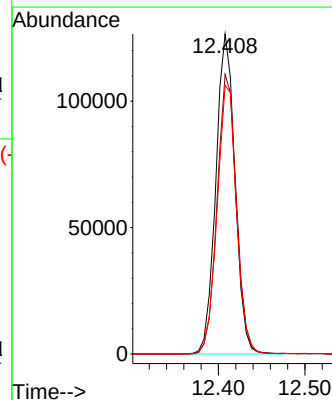
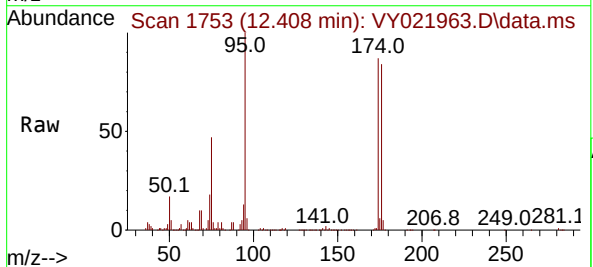
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0423SBL01

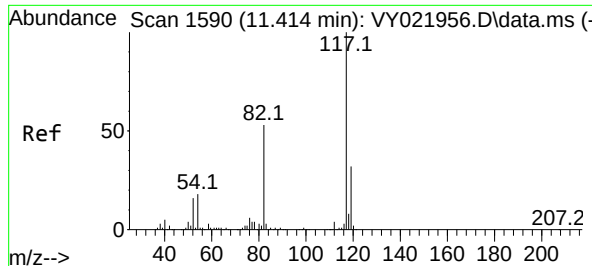
Tgt Ion: 98 Resp: 710393  
Ion Ratio Lower Upper  
98 100  
100 64.3 51.6 77.4



#62  
4-Bromofluorobenzene  
Concen: 38.554 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY021963.D  
Acq: 23 Apr 2025 10:31

Tgt Ion: 95 Resp: 193641  
Ion Ratio Lower Upper  
95 100  
174 88.7 0.0 179.0  
176 85.6 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY021963.D

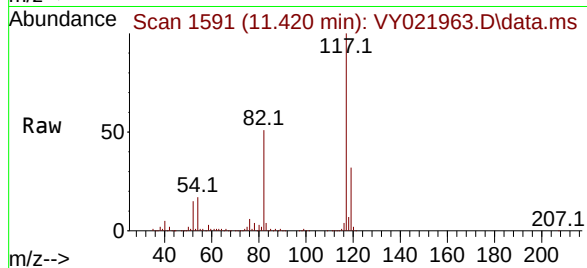
Acq: 23 Apr 2025 10:31

Instrument :

MSVOA\_Y

ClientSampleId :

VY0423SBL01



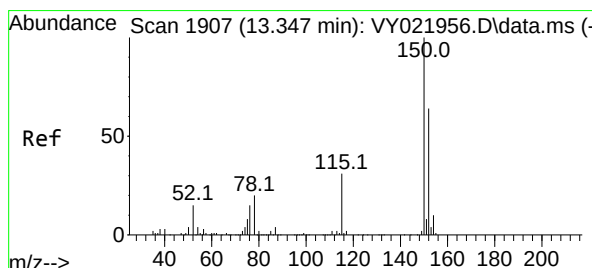
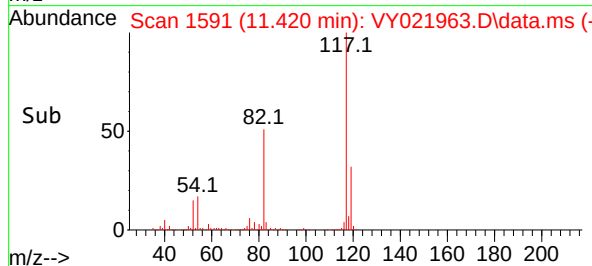
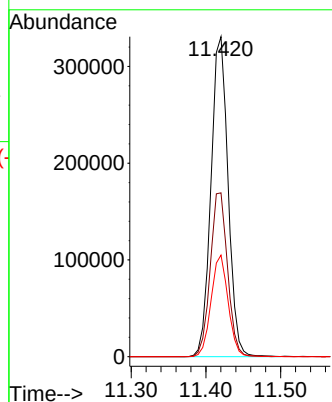
Tgt Ion:117 Resp: 525205

Ion Ratio Lower Upper

117 100

82 51.2 42.1 63.1

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021963.D

Acq: 23 Apr 2025 10:31

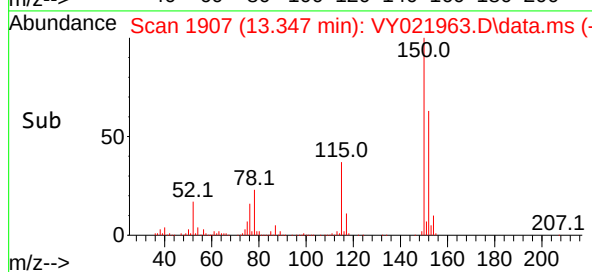
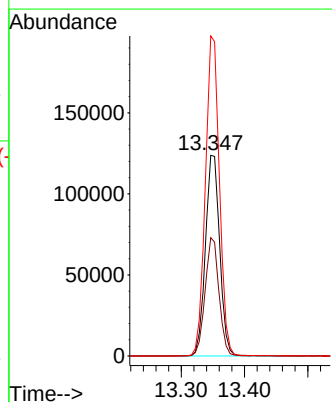
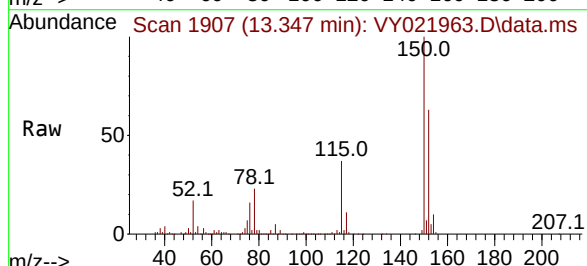
Tgt Ion:152 Resp: 194434

Ion Ratio Lower Upper

152 100

115 57.4 28.0 84.0

150 157.0 0.0 345.6



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021963.D  
Acq On : 23 Apr 2025 10:31  
Operator : SY/MD  
Sample : VY0423SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0423SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M

Title : SW846 8260

Signal : TIC: VY021963.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 7.634       | 960           | 970         | 976          | rBV      | 270502         | 651157        | 36.00%          | 7.347%        |
| 2         | 7.707       | 976           | 982         | 997          | rVB      | 405115         | 933121        | 51.59%          | 10.528%       |
| 3         | 8.061       | 1031          | 1040        | 1053         | rBV      | 191732         | 424788        | 23.49%          | 4.793%        |
| 4         | 8.616       | 1121          | 1131        | 1145         | rBV      | 671582         | 1321693       | 73.07%          | 14.913%       |
| 5         | 10.109      | 1368          | 1376        | 1399         | rVB      | 1067485        | 1808687       | 100.00%         | 20.407%       |
| 6         | 11.420      | 1583          | 1591        | 1604         | rBV      | 933618         | 1512694       | 83.63%          | 17.068%       |
| 7         | 12.408      | 1746          | 1753        | 1766         | rBV      | 635452         | 996869        | 55.12%          | 11.248%       |
| 8         | 13.347      | 1901          | 1907        | 1917         | rVB      | 726351         | 1123830       | 62.14%          | 12.680%       |
| 9         | 13.889      | 1989          | 1996        | 2001         | rBV3     | 34078          | 55599         | 3.07%           | 0.627%        |
| 10        | 15.297      | 2220          | 2227        | 2238         | rVB      | 16175          | 34510         | 1.91%           | 0.389%        |

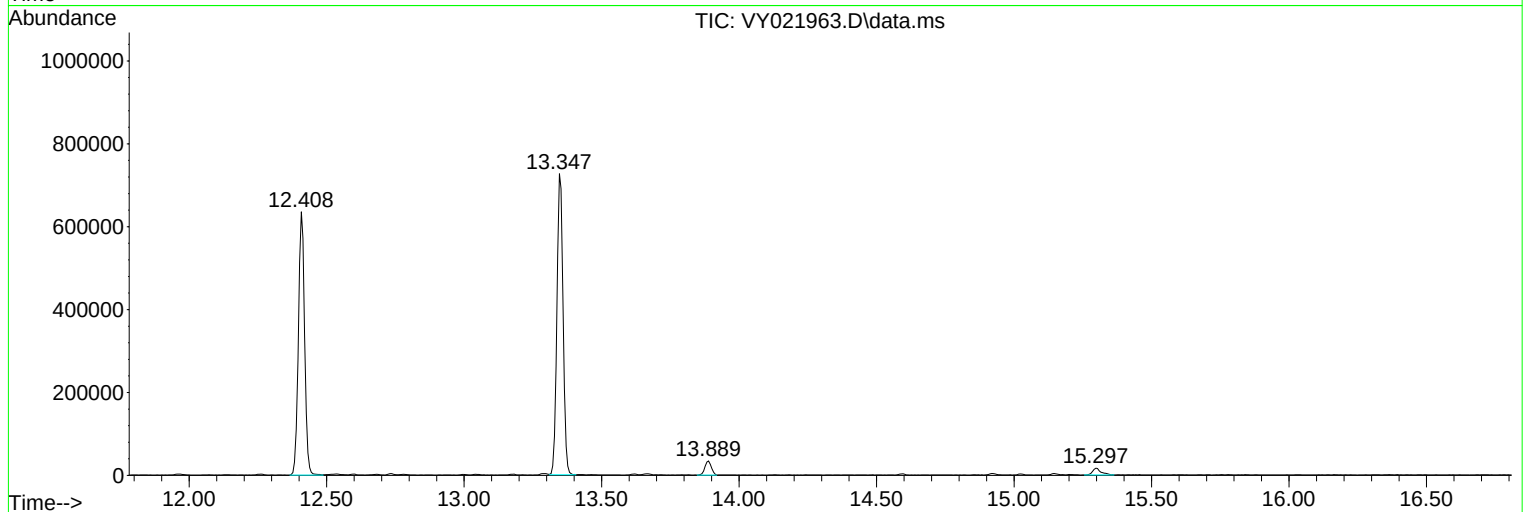
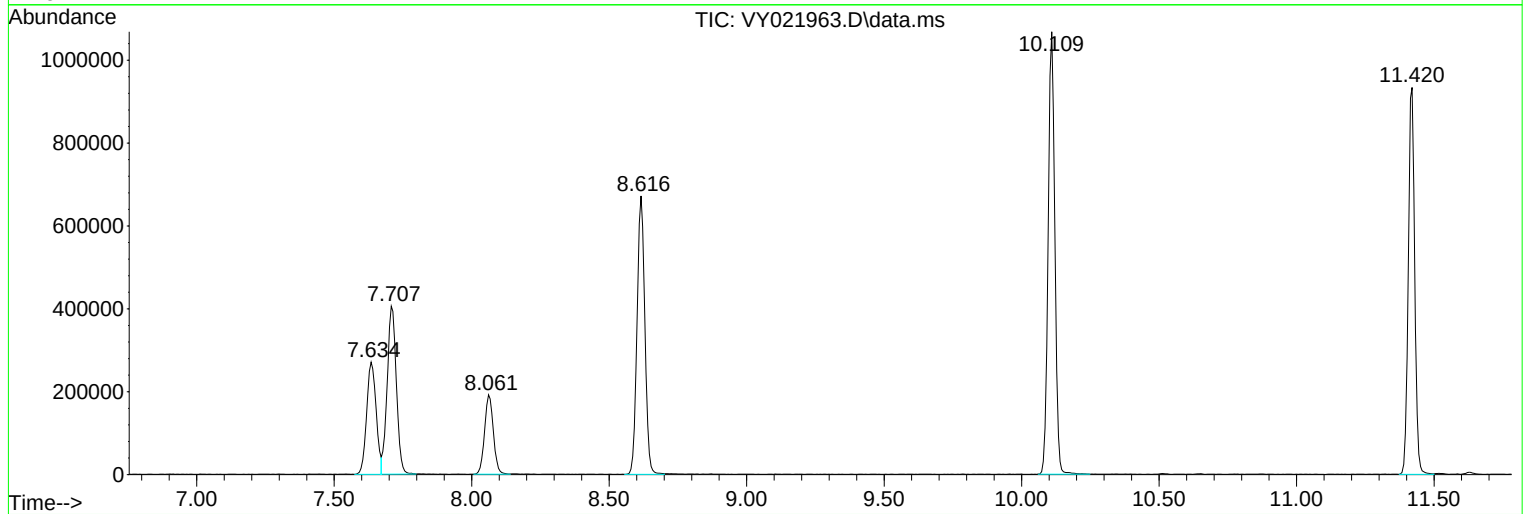
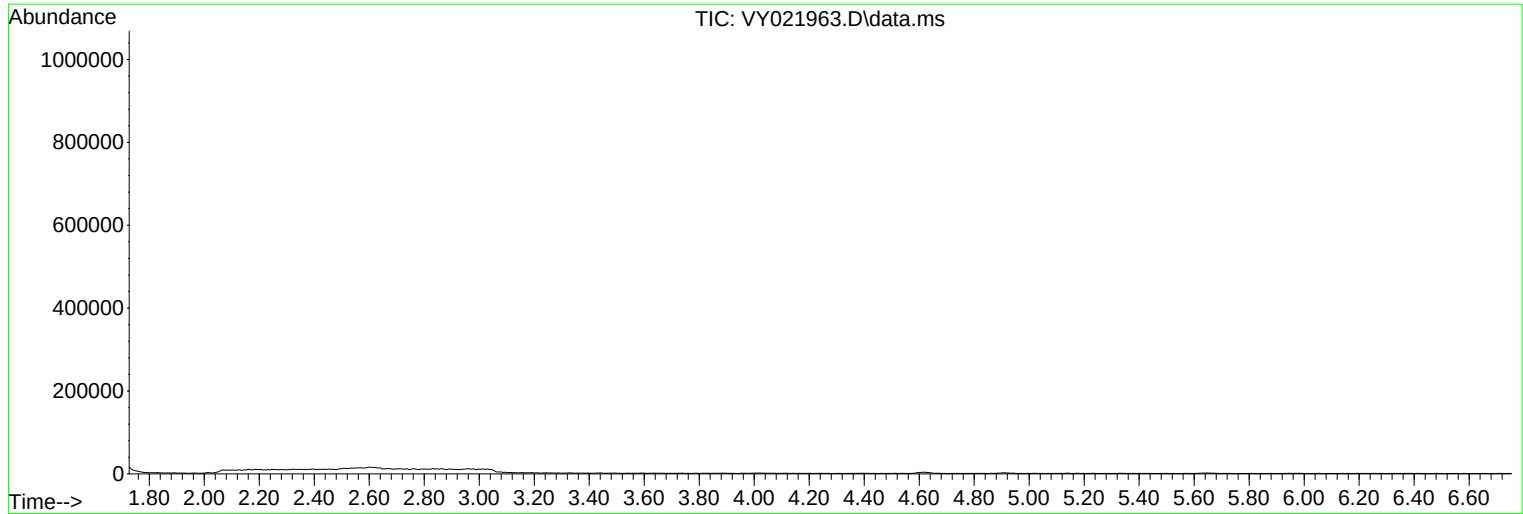
Sum of corrected areas: 8862948

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021963.D  
Acq On : 23 Apr 2025 10:31  
Operator : SY/MD  
Sample : VY0423SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0423SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021963.D  
Acq On : 23 Apr 2025 10:31  
Operator : SY/MD  
Sample : VY0423SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0423SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021963.D  
Acq On : 23 Apr 2025 10:31  
Operator : SY/MD  
Sample : VY0423SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0423SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name | RT | EstConc | Units | Response | --Internal Standard-- |    |      |      |
|------------------|----|---------|-------|----------|-----------------------|----|------|------|
|                  |    |         |       |          | #                     | RT | Resp | Conc |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
 Data File : VY021937.D  
 Acq On : 21 Apr 2025 10:18  
 Operator : SY/MD  
 Sample : VY0421SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 181890              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 285604              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 261318              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 139221              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 97707               | 49.579 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 99.160%  |        |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 94026               | 50.752 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 101.500% |        |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 359378              | 50.989 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 101.980% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 121385              | 50.917 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 101.840% |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 32089               | 17.021 | ug/l   | 100      |
| 3) Chloromethane             | 2.068          | 50   | 53856               | 20.316 | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.202          | 62   | 57232               | 19.090 | ug/l   | 97       |
| 5) Bromomethane              | 2.592          | 94   | 42573               | 20.821 | ug/l   | 94       |
| 6) Chloroethane              | 2.732          | 64   | 39704               | 20.239 | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 73716               | 19.195 | ug/l   | 94       |
| 8) Diethyl Ether             | 3.458          | 74   | 20207               | 19.348 | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 40604               | 20.046 | ug/l   | 100      |
| 10) Methyl Iodide            | 4.001          | 142  | 41355               | 18.611 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.872          | 59   | 10927               | 85.365 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 36129               | 18.937 | ug/l   | 94       |
| 13) Acrolein                 | 3.659          | 56   | 7602                | 32.525 | ug/l   | 99       |
| 14) Allyl chloride           | 4.378          | 41   | 58977               | 19.388 | ug/l   | 99       |
| 15) Acrylonitrile            | 5.055          | 53   | 42096               | 96.535 | ug/l   | 98       |
| 16) Acetone                  | 3.872          | 43   | 39386               | 97.652 | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.104          | 76   | 112240              | 17.861 | ug/l   | 100      |
| 18) Methyl Acetate           | 4.391          | 43   | 23033               | 23.042 | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 90661               | 19.087 | ug/l   | 98       |
| 20) Methylene Chloride       | 4.616          | 84   | 43795               | 19.859 | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 41444               | 19.730 | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.018          | 45   | 128846              | 20.192 | ug/l   | 97       |
| 23) Vinyl Acetate            | 5.964          | 43   | 342807              | 91.832 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 79102               | 20.731 | ug/l   | 97       |
| 25) 2-Butanone               | 6.896          | 43   | 54665               | 94.891 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 68463               | 20.171 | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 47806               | 20.237 | ug/l   | 98       |
| 28) Bromochloromethane       | 7.250          | 49   | 32942               | 20.471 | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 34200               | 92.243 | ug/l   | 100      |
| 30) Chloroform               | 7.421          | 83   | 83864               | 21.132 | ug/l   | 98       |
| 31) Cyclohexane              | 7.701          | 56   | 60387               | 17.362 | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 73183               | 20.403 | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 55584               | 19.697 | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.982          | 43   | 25920               | 19.463 | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 66663               | 20.626 | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.109          | 83   | 61273               | 18.176 | ug/l   | 96       |
| 40) Benzene                  | 8.079          | 78   | 174410              | 20.638 | ug/l   | 100      |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
 Data File : VY021937.D  
 Acq On : 21 Apr 2025 10:18  
 Operator : SY/MD  
 Sample : VY0421SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VY0421SBS01

## Manual Integrations

## APPROVED

Reviewed By : Semsettin Yesilyurt 04/22/2025  
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:20 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M

Quant Title : SW846 8260

QLast Update : Fri Mar 28 02:30:29 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.219  | 41   | 12249    | 17.319  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 48396    | 20.314  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 47771    | 18.928  | ug/l   | 98       |
| 44) Trichloroethene           | 8.865  | 130  | 44932    | 20.867  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 41927    | 20.960  | ug/l   | 97       |
| 46) Dibromomethane            | 9.231  | 93   | 24295    | 21.074  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 62250    | 20.838  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.219  | 41   | 21911    | 18.916  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.237  | 88   | 4785     | 387.445 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 126168   | 96.063  | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 110928   | 21.039  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 51924    | 19.569  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 62926    | 20.103  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 30969    | 20.874  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 35107    | 18.532  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 54184    | 21.147  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 94588    | 102.352 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.761 | 43   | 83425    | 95.376  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.908 | 129  | 43104    | 21.280  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 28530    | 20.500  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.646 | 164  | 52393    | 22.014  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.444 | 112  | 121622   | 20.303  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 43997    | 20.701  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.517 | 91   | 199354   | 19.408  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 158426   | 40.277  | ug/l   | 98       |
| 69) o-Xylene                  | 11.956 | 106  | 71248    | 19.623  | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 121466   | 20.064  | ug/l   | 98       |
| 71) Bromoform                 | 12.133 | 173  | 24986    | 20.610  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.255 | 105  | 188726   | 18.251  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 40174    | 16.554  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 33556    | 18.049  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 26178m   | 18.969  | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 47710    | 19.217  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.597 | 91   | 234746   | 18.883  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 137447   | 19.035  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 159505   | 18.874  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 10350    | 17.281  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 145134   | 19.280  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 138100   | 18.346  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 159792   | 19.130  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 209471   | 19.042  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 173788   | 19.114  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 96878    | 19.806  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 96108    | 19.887  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 155886   | 18.539  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 38765    | 19.456  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 82836    | 19.454  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 5395     | 18.723  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 44941    | 19.462  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 30399    | 21.079  | ug/l   | 97       |
| 95) Naphthalene               | 15.145 | 128  | 68557    | 17.912  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 40069    | 20.349  | ug/l   | 97       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021937.D  
Acq On : 21 Apr 2025 10:18  
Operator : SY/MD  
Sample : VY0421SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBS01

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

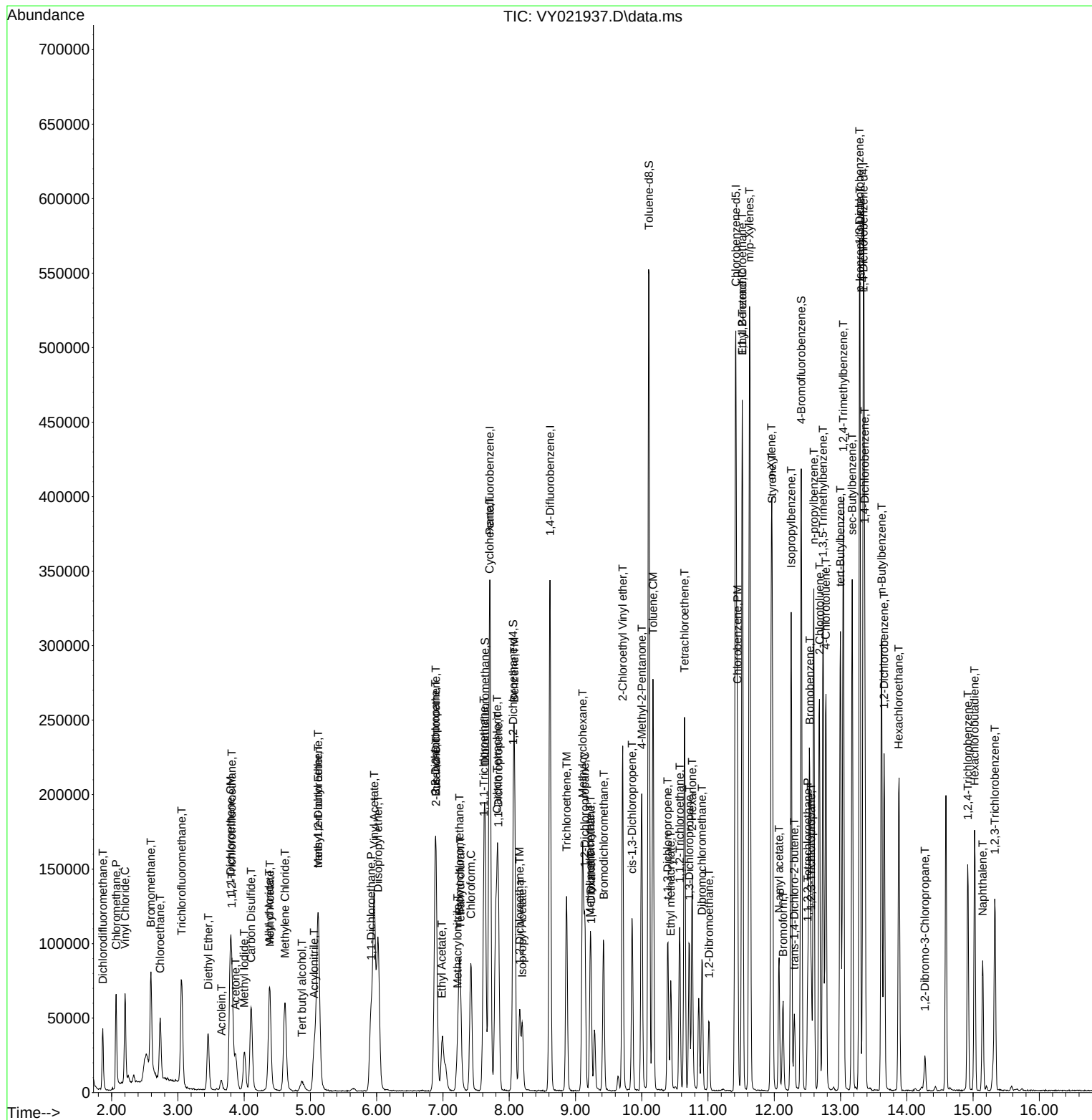
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
 Data File : VY021937.D  
 Acq On : 21 Apr 2025 10:18  
 Operator : SY/MD  
 Sample : VY0421SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/22/2025  
 Supervised By : Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
 Data File : VY021964.D  
 Acq On : 23 Apr 2025 11:07  
 Operator : SY/MD  
 Sample : VY0423SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0423SBS01

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025  
 Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 295173              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 458305              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 417679              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 221603              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 140165              | 51.409  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 102.820% |         |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 156093              | 51.553  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 103.100% |         |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 593014              | 51.951  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 103.900% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 194614              | 50.645  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 101.300% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 49150               | 19.542  | ug/l   | 97       |
| 3) Chloromethane             | 2.068          | 50   | 79531               | 22.207  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.202          | 62   | 90607               | 20.588  | ug/l   | 99       |
| 5) Bromomethane              | 2.592          | 94   | 91439               | 24.116  | ug/l   | 98       |
| 6) Chloroethane              | 2.733          | 64   | 64520               | 21.526  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 123323              | 21.251  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.458          | 74   | 29720               | 19.676  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 64570               | 20.511  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.001          | 142  | 65818               | 18.058  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.885          | 59   | 14597               | 97.521  | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 59875               | 20.405  | ug/l   | 97       |
| 13) Acrolein                 | 3.659          | 56   | 27435               | 102.123 | ug/l   | 99       |
| 14) Allyl chloride           | 4.385          | 41   | 66968               | 19.600  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.067          | 53   | 55987               | 101.248 | ug/l   | 99       |
| 16) Acetone                  | 3.879          | 43   | 38541               | 94.730  | ug/l   | 92       |
| 17) Carbon Disulfide         | 4.104          | 76   | 192526              | 20.578  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.385          | 43   | 27554               | 21.635  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 131102              | 19.962  | ug/l   | 96       |
| 20) Methylene Chloride       | 4.616          | 84   | 67092               | 19.461  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 65708               | 19.995  | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.019          | 45   | 156652              | 20.603  | ug/l   | 93       |
| 23) Vinyl Acetate            | 5.964          | 43   | 410600              | 100.200 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 106508              | 20.209  | ug/l   | 99       |
| 25) 2-Butanone               | 6.896          | 43   | 59906               | 96.392  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 94723               | 20.506  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 74706               | 20.331  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.244          | 49   | 41102               | 20.078  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 40959               | 101.473 | ug/l   | 100      |
| 30) Chloroform               | 7.421          | 83   | 120714              | 20.649  | ug/l   | 96       |
| 31) Cyclohexane              | 7.701          | 56   | 88058               | 19.538  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 106943              | 20.220  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 81879               | 20.132  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.988          | 43   | 29318               | 20.071  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 100138              | 20.605  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.109          | 83   | 98332               | 19.212  | ug/l   | 96       |
| 40) Benzene                  | 8.079          | 78   | 263532              | 20.728  | ug/l   | 99       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
 Data File : VY021964.D  
 Acq On : 23 Apr 2025 11:07  
 Operator : SY/MD  
 Sample : VY0423SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0423SBS01

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025  
 Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 23 02:30:30 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 15367    | 19.245  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 65165    | 20.702  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.201  | 43   | 55377    | 19.741  | ug/l   | 99       |
| 44) Trichloroethene           | 8.866  | 130  | 71222    | 20.225  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 57685    | 20.517  | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 36042    | 20.478  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.426  | 83   | 90955    | 20.687  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.219  | 41   | 27965    | 21.565  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.244  | 88   | 7517     | 400.714 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 150808   | 102.554 | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 170967   | 20.774  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 75065    | 19.904  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 92666    | 20.670  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 48596    | 20.670  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 52604    | 19.566  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 76673    | 20.343  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 134039   | 101.970 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 97696    | 100.725 | ug/l   | 95       |
| 60) Dibromochloromethane      | 10.914 | 129  | 66379    | 20.393  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 45815    | 20.642  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 80494    | 20.429  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.444 | 112  | 188396   | 20.170  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 68045    | 20.693  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.518 | 91   | 302678   | 19.810  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 245304   | 40.346  | ug/l   | 99       |
| 69) o-Xylene                  | 11.956 | 106  | 110797   | 19.772  | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 188948   | 20.082  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 38634    | 20.208  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 290429   | 19.616  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 48649    | 19.125  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 52798    | 21.152  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 39256m   | 20.681  | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 73923    | 19.760  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.597 | 91   | 357207   | 20.260  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 204453   | 19.939  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 244632   | 20.054  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 14911    | 18.917  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 218007   | 20.453  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 210516   | 19.242  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 244676   | 20.053  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.176 | 105  | 318306   | 19.883  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 265758   | 19.549  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.292 | 146  | 149215   | 19.638  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 150139   | 19.951  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 234544   | 19.302  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.883 | 117  | 59491    | 19.918  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.663 | 146  | 133741   | 20.180  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 8096     | 20.386  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 70613    | 18.803  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 43918    | 19.007  | ug/l   | 98       |
| 95) Naphthalene               | 15.145 | 128  | 110434   | 17.702  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.334 | 180  | 61606    | 19.004  | ug/l   | 97       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021964.D  
Acq On : 23 Apr 2025 11:07  
Operator : SY/MD  
Sample : VY0423SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0423SBS01

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025  
Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 23 02:30:30 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

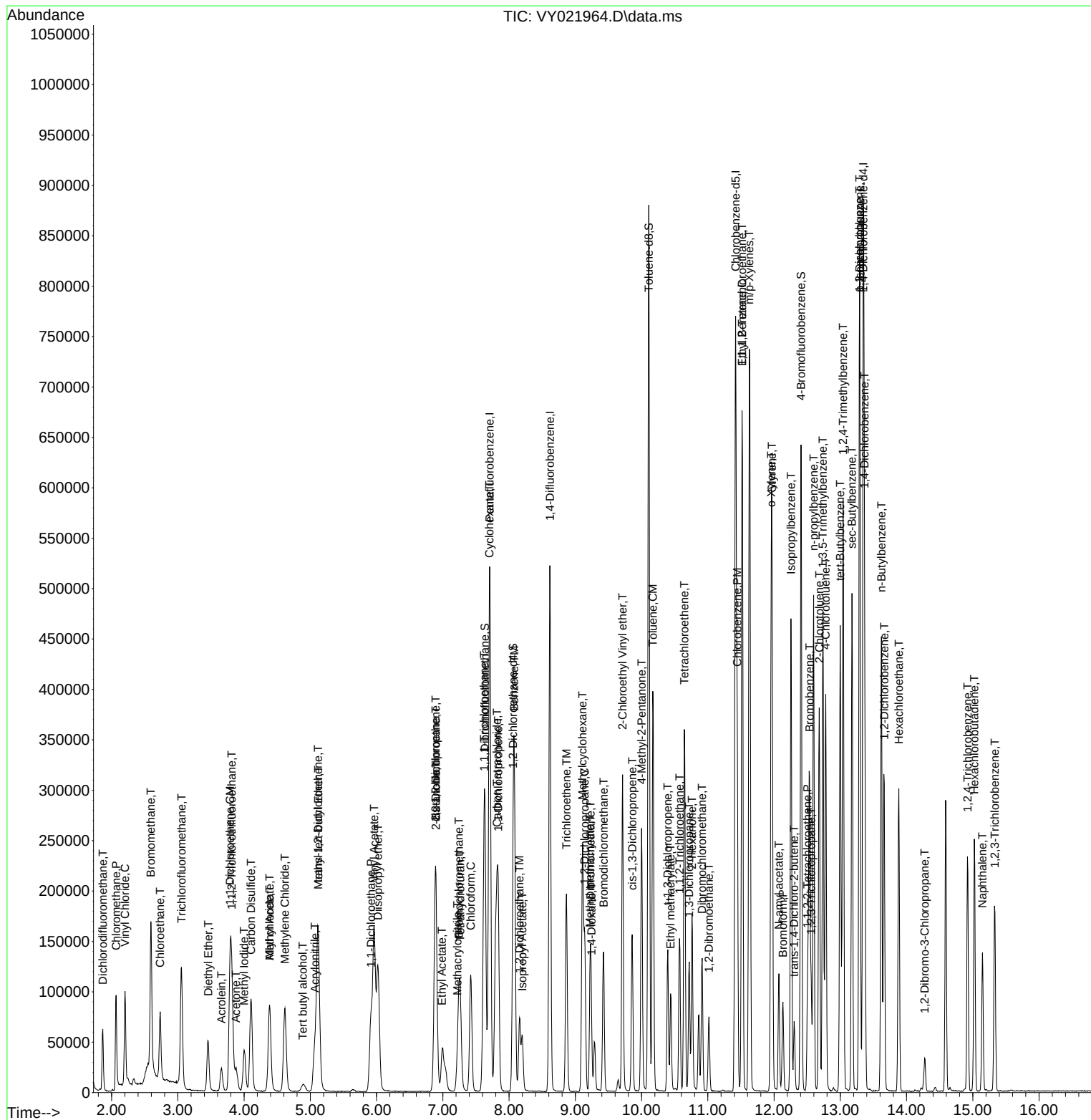
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042325\  
Data File : VY021964.D  
Acq On : 23 Apr 2025 11:07  
Operator : SY/MD  
Sample : VY04235BS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VY0423SBS01

## Manual Integrations

Reviewed By :Mahesh Dadoda 04/25/2025  
Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 24 03:44:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 23 02:30:30 2025  
Response via : Initial Calibration



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
 Data File : VY021938.D  
 Acq On : 21 Apr 2025 10:41  
 Operator : SY/MD  
 Sample : VY0421SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBS01

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 184070              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 287552              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 258721              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 136375              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 100790              | 50.538  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 101.080% |         |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 96856               | 51.925  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 103.860% |         |        |          |
| 50) Toluene-d8               | 10.103         | 98   | 363518              | 51.227  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 102.460% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 123704              | 51.538  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 103.080% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 32394               | 16.979  | ug/l   | 97       |
| 3) Chloromethane             | 2.068          | 50   | 50522               | 18.833  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.202          | 62   | 55965               | 18.447  | ug/l   | 97       |
| 5) Bromomethane              | 2.586          | 94   | 41971               | 20.283  | ug/l   | 93       |
| 6) Chloroethane              | 2.733          | 64   | 37510               | 18.894  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 72971               | 18.776  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.452          | 74   | 20104               | 19.022  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 38813               | 18.935  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.001          | 142  | 41463               | 18.438  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 4.866          | 59   | 12393               | 95.671  | ug/l # | 87       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 36226               | 18.763  | ug/l   | 92       |
| 13) Acrolein                 | 3.653          | 56   | 8171                | 34.545  | ug/l   | 98       |
| 14) Allyl chloride           | 4.385          | 41   | 57136               | 18.561  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.055          | 53   | 45221               | 102.473 | ug/l   | 98       |
| 16) Acetone                  | 3.866          | 43   | 39229               | 96.111  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.098          | 76   | 109809              | 17.268  | ug/l   | 100      |
| 18) Methyl Acetate           | 4.385          | 43   | 25467               | 25.175  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.110          | 73   | 93476               | 19.446  | ug/l   | 98       |
| 20) Methylene Chloride       | 4.616          | 84   | 44779               | 20.108  | ug/l   | 91       |
| 21) trans-1,2-Dichloroethene | 5.110          | 96   | 41282               | 19.420  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.019          | 45   | 130558              | 20.218  | ug/l   | 97       |
| 23) Vinyl Acetate            | 5.958          | 43   | 347021              | 91.860  | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 78896               | 20.432  | ug/l   | 97       |
| 25) 2-Butanone               | 6.896          | 43   | 56743               | 97.332  | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 6.878          | 77   | 68052               | 19.813  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 48008               | 20.082  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.244          | 49   | 33682               | 20.683  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 36657               | 97.699  | ug/l   | 99       |
| 30) Chloroform               | 7.421          | 83   | 82100               | 20.442  | ug/l   | 100      |
| 31) Cyclohexane              | 7.701          | 56   | 60265               | 17.121  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 72317               | 19.923  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 54350               | 19.130  | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.982          | 43   | 26109               | 19.472  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 65041               | 19.987  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.109          | 83   | 58586               | 17.261  | ug/l   | 98       |
| 40) Benzene                  | 8.079          | 78   | 172193              | 20.238  | ug/l   | 98       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
 Data File : VY021938.D  
 Acq On : 21 Apr 2025 10:41  
 Operator : SY/MD  
 Sample : VY0421SBSD01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0421SBSD01

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
 Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 28 02:30:29 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 13327    | 18.715  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.152  | 62   | 48744    | 20.321  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 50459    | 19.858  | ug/l   | 100      |
| 44) Trichloroethene           | 8.866  | 130  | 44112    | 20.348  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 41044    | 20.379  | ug/l   | 94       |
| 46) Dibromomethane            | 9.231  | 93   | 23846    | 20.544  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.420  | 83   | 62196    | 20.679  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 22425    | 19.229  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 5044     | 405.650 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 136330   | 103.097 | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 109601   | 20.646  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 52802    | 19.765  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 62311    | 19.771  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 32667    | 21.870  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 37030    | 19.415  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 53694    | 20.814  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 100110   | 107.593 | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 88016    | 99.943  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 43098    | 21.133  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 29375    | 20.964  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 52197    | 22.152  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.438 | 112  | 120728   | 20.356  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 43131    | 20.497  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.518 | 91   | 196300   | 19.302  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.627 | 106  | 156499   | 40.186  | ug/l   | 98       |
| 69) o-Xylene                  | 11.956 | 106  | 70690    | 19.665  | ug/l   | 98       |
| 70) Styrene                   | 11.969 | 104  | 119429   | 19.926  | ug/l   | 100      |
| 71) Bromoform                 | 12.127 | 173  | 25950    | 21.620  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 185545   | 18.318  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.066 | 43   | 42238    | 17.768  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 34540    | 18.966  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 25499m   | 18.863  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 46905    | 19.287  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.597 | 91   | 228710   | 18.781  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 134943   | 19.079  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 158146   | 19.103  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 11078    | 18.882  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 142613   | 19.340  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 134989   | 18.307  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 160612   | 19.630  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 204114   | 18.942  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 170280   | 19.119  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 97033    | 20.251  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 95456    | 20.164  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 153578   | 18.646  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 36837    | 18.875  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 83956    | 20.128  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 5779     | 20.474  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 44388    | 19.624  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 29102    | 20.601  | ug/l   | 97       |
| 95) Naphthalene               | 15.145 | 128  | 70308    | 18.753  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 39508    | 20.483  | ug/l   | 99       |

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021938.D  
Acq On : 21 Apr 2025 10:41  
Operator : SY/MD  
Sample : VY0421SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0421SBSD01

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:40 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

-----  
(#) = qualifier out of range (m) = manual integration (+) = signals summed

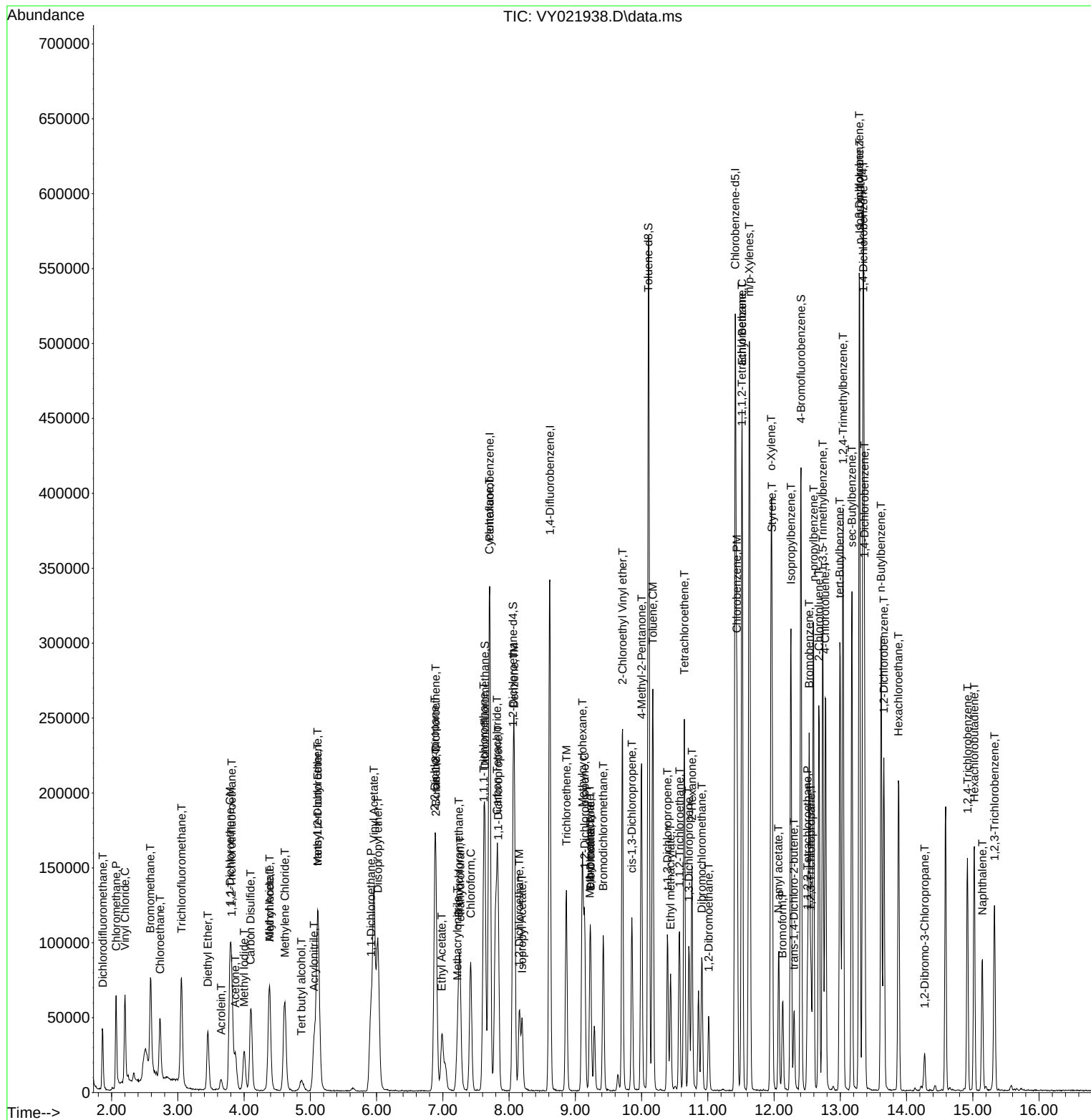
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042125\  
Data File : VY021938.D  
Acq On : 21 Apr 2025 10:41  
Operator : SY/MD  
Sample : VY0421SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VY0421SBSD01

## Manual Integrations

Reviewed By :Semsettin Yesilyurt 04/22/2025  
Supervised By :Mahesh Dadoda 04/22/2025

Quant Time: Apr 22 02:43:40 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y032725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 28 02:30:29 2025  
Response via : Initial Calibration



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | vy032725 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDICC005  | VY021656.D | 1,2,3-Trichloropropane | Romaben   | 3/28/2025 9:14:28 AM | MMDadoda      | 3/28/2025 9:32:34 AM | Peak Integrated by Software |
| VSTDICC005  | VY021656.D | Methacrylonitrile      | Romaben   | 3/28/2025 9:14:28 AM | MMDadoda      | 3/28/2025 9:32:34 AM | Peak Integrated by Software |
| VSTDICC010  | VY021657.D | 1,2,3-Trichloropropane | Romaben   | 3/28/2025 9:14:32 AM | MMDadoda      | 3/28/2025 9:32:37 AM | Peak Integrated by Software |
| VSTDICC010  | VY021657.D | Methacrylonitrile      | Romaben   | 3/28/2025 9:14:32 AM | MMDadoda      | 3/28/2025 9:32:37 AM | Peak Integrated by Software |
| VSTDICC020  | VY021658.D | 1,2,3-Trichloropropane | Romaben   | 3/28/2025 9:15:20 AM | MMDadoda      | 3/28/2025 9:32:41 AM | Peak Integrated by Software |
| VSTDICCC050 | VY021659.D | 1,2,3-Trichloropropane | Romaben   | 3/28/2025 9:14:38 AM | MMDadoda      | 3/28/2025 9:32:45 AM | Peak Integrated by Software |
| VSTDICCC050 | VY021659.D | Methacrylonitrile      | Romaben   | 3/28/2025 9:14:38 AM | MMDadoda      | 3/28/2025 9:32:45 AM | Peak Integrated by Software |
| VSTDICC100  | VY021660.D | 1,2,3-Trichloropropane | Romaben   | 3/28/2025 9:15:15 AM | MMDadoda      | 3/28/2025 9:32:49 AM | Peak Integrated by Software |
| VSTDICC150  | VY021661.D | 1,2,3-Trichloropropane | Romaben   | 3/28/2025 9:14:43 AM | MMDadoda      | 3/28/2025 9:32:53 AM | Peak Integrated by Software |
| VSTDICV050  | VY021663.D | 1,2,3-Trichloropropane | Romaben   | 3/28/2025 9:15:11 AM | MMDadoda      | 3/28/2025 9:32:04 AM | Peak Integrated by Software |
| VSTDCCC050  | VY021680.D | 1,2,3-Trichloropropane | Romaben   | 3/28/2025 9:14:58 AM | MMDadoda      | 3/28/2025 9:32:15 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | vy042125 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC050       | VY021935.D | 1,2,3-Trichloropropane | SAM       | 4/22/2025 1:56:42 PM | MMDadoda      | 4/22/2025 1:59:02 PM | Peak Integrated by Software |
| VY0421SBS01      | VY021937.D | 1,2,3-Trichloropropane | SAM       | 4/22/2025 1:56:42 PM | MMDadoda      | 4/22/2025 1:59:03 PM | Peak Integrated by Software |
| VY0421SBSD0<br>1 | VY021938.D | 1,2,3-Trichloropropane | SAM       | 4/22/2025 1:56:43 PM | MMDadoda      | 4/22/2025 1:59:05 PM | Peak Integrated by Software |
| VSTDCCC050       | VY021951.D | 1,2,3-Trichloropropane | SAM       | 4/22/2025 1:56:46 PM | MMDadoda      | 4/22/2025 1:59:06 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VY042225 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDICC005  | VY021953.D | 1,2,3-Trichloropropane | SAM       | 4/23/2025 7:34:48 AM | MMDadoda      | 4/23/2025 1:28:59 PM | Peak Integrated by Software |
| VSTDICC005  | VY021953.D | Ethyl Acetate          | SAM       | 4/23/2025 7:34:48 AM | MMDadoda      | 4/23/2025 1:28:59 PM | Peak Integrated by Software |
| VSTDICC005  | VY021953.D | Methacrylonitrile      | SAM       | 4/23/2025 7:34:48 AM | MMDadoda      | 4/23/2025 1:28:59 PM | Peak Integrated by Software |
| VSTDICC005  | VY021953.D | Tert butyl alcohol     | SAM       | 4/23/2025 7:34:48 AM | MMDadoda      | 4/23/2025 1:28:59 PM | Peak Integrated by Software |
| VSTDICC010  | VY021954.D | 1,2,3-Trichloropropane | SAM       | 4/23/2025 7:34:50 AM | MMDadoda      | 4/23/2025 1:29:03 PM | Peak Integrated by Software |
| VSTDICC010  | VY021954.D | Ethyl Acetate          | SAM       | 4/23/2025 7:34:50 AM | MMDadoda      | 4/23/2025 1:29:03 PM | Peak Integrated by Software |
| VSTDICC010  | VY021954.D | Methacrylonitrile      | SAM       | 4/23/2025 7:34:50 AM | MMDadoda      | 4/23/2025 1:29:03 PM | Peak Integrated by Software |
| VSTDICC020  | VY021955.D | 1,2,3-Trichloropropane | SAM       | 4/23/2025 7:34:51 AM | MMDadoda      | 4/23/2025 1:29:07 PM | Peak Integrated by Software |
| VSTDICC020  | VY021955.D | Methacrylonitrile      | SAM       | 4/23/2025 7:34:51 AM | MMDadoda      | 4/23/2025 1:29:07 PM | Peak Integrated by Software |
| VSTDICCC050 | VY021956.D | 1,2,3-Trichloropropane | SAM       | 4/23/2025 7:34:53 AM | MMDadoda      | 4/23/2025 1:29:11 PM | Peak Integrated by Software |
| VSTDICC100  | VY021957.D | 1,2,3-Trichloropropane | SAM       | 4/23/2025 7:34:56 AM | MMDadoda      | 4/23/2025 1:29:15 PM | Peak Integrated by Software |
| VSTDICC150  | VY021958.D | 1,2,3-Trichloropropane | SAM       | 4/23/2025 7:34:57 AM | MMDadoda      | 4/23/2025 1:29:19 PM | Peak Integrated by Software |
| VSTDICV050  | VY021960.D | 1,2,3-Trichloropropane | SAM       | 4/23/2025 7:34:59 AM | MMDadoda      | 4/23/2025 1:29:23 PM | Peak Integrated by Software |



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

## Manual Integration Report

Sequence:

VY042225

Instrument

MSVOA\_y

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | vy042325 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDCCC050  | VY021962.D | 1,2,3-Trichloropropane | MMDadoda  | 4/25/2025<br>12:52:00 AM | SAM           | 4/25/2025<br>12:54:43 AM | Peak Integrated by Software |
| VY0423SBS01 | VY021964.D | 1,2,3-Trichloropropane | MMDadoda  | 4/25/2025<br>12:52:02 AM | SAM           | 4/25/2025<br>12:54:43 AM | Peak Integrated by Software |
| VSTDCCC050  | VY021985.D | 1,2,3-Trichloropropane | MMDadoda  | 4/25/2025<br>12:52:05 AM | SAM           | 4/25/2025<br>12:54:45 AM | Peak Integrated by Software |

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QCBatch ID # VY032725**

|                          |                                                       |                      |                      |
|--------------------------|-------------------------------------------------------|----------------------|----------------------|
| Review By                | Maresh Dadoda                                         | Review On            | 3/28/2025 3:29:57 PM |
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On         | 3/28/2025 3:30:48 PM |
| SubDirectory             | VY032725                                              | HP Acquire Method    | MSVOA_Y              |
|                          |                                                       | HP Processing Method | 82y032725s.m         |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                      |                      |
| Tune/Reschk              | VP133499                                              |                      |                      |
| Initial Calibration Stds | VP133500,VP133501,VP133502,VP133503,VP133505,VP133508 |                      |                      |
| CCC                      | VP133510                                              |                      |                      |
| Internal Standard/PEM    | VP131783                                              |                      |                      |
| ICV/I.BLK                | VP133509                                              |                      |                      |
| Surrogate Standard       |                                                       |                      |                      |
| MS/MSD Standard          |                                                       |                      |                      |
| LCS Standard             |                                                       |                      |                      |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | BFB         | VY021655.D     | 27 Mar 2025 09:23 | SY/MD    | Ok       |
| 2   | VSTDICCC005 | VY021656.D     | 27 Mar 2025 10:08 | SY/MD    | Ok,M     |
| 3   | VSTDICCC010 | VY021657.D     | 27 Mar 2025 10:31 | SY/MD    | Ok,M     |
| 4   | VSTDICCC020 | VY021658.D     | 27 Mar 2025 10:54 | SY/MD    | Ok,M     |
| 5   | VSTDICCC050 | VY021659.D     | 27 Mar 2025 11:16 | SY/MD    | Ok,M     |
| 6   | VSTDICCC100 | VY021660.D     | 27 Mar 2025 11:39 | SY/MD    | Ok,M     |
| 7   | VSTDICCC150 | VY021661.D     | 27 Mar 2025 12:02 | SY/MD    | Ok,M     |
| 8   | VIBLK       | VY021662.D     | 27 Mar 2025 12:35 | SY/MD    | Ok       |
| 9   | VSTDICV050  | VY021663.D     | 27 Mar 2025 13:15 | SY/MD    | Ok,M     |
| 10  | VY0327SBL01 | VY021664.D     | 27 Mar 2025 13:59 | SY/MD    | Ok       |
| 11  | VY0327SBS01 | VY021665.D     | 27 Mar 2025 14:38 | SY/MD    | Ok,M     |
| 12  | VY0327SBS01 | VY021666.D     | 27 Mar 2025 15:00 | SY/MD    | Ok,M     |
| 13  | Q1661-02    | VY021667.D     | 27 Mar 2025 15:24 | SY/MD    | Not Ok   |
| 14  | Q1645-03RE  | VY021668.D     | 27 Mar 2025 15:48 | SY/MD    | Confirms |
| 15  | Q1662-03    | VY021669.D     | 27 Mar 2025 16:11 | SY/MD    | Not Ok   |
| 16  | Q1662-07    | VY021670.D     | 27 Mar 2025 16:35 | SY/MD    | ReRun    |
| 17  | Q1661-02    | VY021671.D     | 27 Mar 2025 16:58 | SY/MD    | Not Ok   |
| 18  | Q1650-02    | VY021672.D     | 27 Mar 2025 17:21 | SY/MD    | Not Ok   |
| 19  | Q1654-01    | VY021673.D     | 27 Mar 2025 17:45 | SY/MD    | Ok       |
| 20  | Q1656-01    | VY021674.D     | 27 Mar 2025 18:08 | SY/MD    | Not Ok   |
| 21  | Q1648-09    | VY021675.D     | 27 Mar 2025 18:32 | SY/MD    | Ok       |

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY032725**

| Review By                | Maresh Dadoda                                         | Review On         | 3/28/2025 3:29:57 PM |                      |              |
|--------------------------|-------------------------------------------------------|-------------------|----------------------|----------------------|--------------|
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On      | 3/28/2025 3:30:48 PM |                      |              |
| SubDirectory             | VY032725                                              | HP Acquire Method | MSVOA_Y              | HP Processing Method | 82y032725s.m |
| STD. NAME                | STD REF.#                                             |                   |                      |                      |              |
| Tune/Reschk              | VP133499                                              |                   |                      |                      |              |
| Initial Calibration Stds | VP133500,VP133501,VP133502,VP133503,VP133505,VP133508 |                   |                      |                      |              |
| CCC                      | VP133510                                              |                   |                      |                      |              |
| Internal Standard/PEM    | VP131783                                              |                   |                      |                      |              |
| ICV/I.BLK                | VP133509                                              |                   |                      |                      |              |
| Surrogate Standard       |                                                       |                   |                      |                      |              |
| MS/MSD Standard          |                                                       |                   |                      |                      |              |
| LCS Standard             |                                                       |                   |                      |                      |              |

|    |            |            |                   |       |      |
|----|------------|------------|-------------------|-------|------|
| 22 | Q1648-07   | VY021676.D | 27 Mar 2025 18:55 | SY/MD | Ok   |
| 23 | Q1648-05   | VY021677.D | 27 Mar 2025 19:19 | SY/MD | Ok   |
| 24 | Q1648-01   | VY021678.D | 27 Mar 2025 19:42 | SY/MD | Ok   |
| 25 | Q1648-03   | VY021679.D | 27 Mar 2025 20:05 | SY/MD | Ok   |
| 26 | VSTDCCC050 | VY021680.D | 27 Mar 2025 20:28 | SY/MD | Ok,M |

M : Manual Integration

Instrument ID: MSVOA\_Y

## Daily Analysis Runlog For Sequence/QC Batch ID # VY042125

|                                         |                     |                   |                      |                      |              |
|-----------------------------------------|---------------------|-------------------|----------------------|----------------------|--------------|
| Review By                               | Semsettin Yesilyurt | Review On         | 4/22/2025 1:56:52 PM |                      |              |
| Supervise By                            | Maresh Dadoda       | Supervise On      | 4/22/2025 1:59:08 PM |                      |              |
| SubDirectory                            | VY042125            | HP Acquire Method | MSVOA_Y              | HP Processing Method | 82y032725s.m |
| STD. NAME                               |                     | STD REF.#         |                      |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                     | VP133701          |                      |                      |              |
| CCC                                     |                     | VP133702,VP133703 |                      |                      |              |
| Internal Standard/PEM                   |                     | VP131783          |                      |                      |              |
| ICV/I.BLK                               |                     |                   |                      |                      |              |
| Surrogate Standard                      |                     |                   |                      |                      |              |
| MS/MSD Standard                         |                     |                   |                      |                      |              |
| LCS Standard                            |                     |                   |                      |                      |              |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VY021934.D     | 21 Apr 2025 08:38 | SY/MD    | Ok       |
| 2   | VSTDCCC050   | VY021935.D     | 21 Apr 2025 09:08 | SY/MD    | Ok,M     |
| 3   | VY0421SBL01  | VY021936.D     | 21 Apr 2025 09:42 | SY/MD    | Ok       |
| 4   | VY0421SBS01  | VY021937.D     | 21 Apr 2025 10:18 | SY/MD    | Ok,M     |
| 5   | VY0421SBSD01 | VY021938.D     | 21 Apr 2025 10:41 | SY/MD    | Ok,M     |
| 6   | Q1840-01RE   | VY021939.D     | 21 Apr 2025 11:37 | SY/MD    | Confirms |
| 7   | Q1841-01     | VY021940.D     | 21 Apr 2025 12:00 | SY/MD    | ReRun    |
| 8   | Q1842-02     | VY021941.D     | 21 Apr 2025 12:23 | SY/MD    | Ok       |
| 9   | Q1842-08     | VY021942.D     | 21 Apr 2025 12:47 | SY/MD    | Ok       |
| 10  | Q1842-14     | VY021943.D     | 21 Apr 2025 13:10 | SY/MD    | Ok       |
| 11  | Q1842-20     | VY021944.D     | 21 Apr 2025 13:34 | SY/MD    | Ok       |
| 12  | Q1842-26     | VY021945.D     | 21 Apr 2025 13:57 | SY/MD    | Ok       |
| 13  | Q1842-32     | VY021946.D     | 21 Apr 2025 14:21 | SY/MD    | Ok       |
| 14  | Q1842-38     | VY021947.D     | 21 Apr 2025 14:44 | SY/MD    | Ok       |
| 15  | Q1851-05     | VY021948.D     | 21 Apr 2025 15:08 | SY/MD    | Ok       |
| 16  | Q1851-06     | VY021949.D     | 21 Apr 2025 15:31 | SY/MD    | ReRun    |
| 17  | Q1851-07     | VY021950.D     | 21 Apr 2025 15:54 | SY/MD    | Ok       |
| 18  | VSTDCCC050   | VY021951.D     | 21 Apr 2025 16:17 | SY/MD    | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QCBatch ID # VY042225**

|                          |                     |                                                       |                      |                      |              |
|--------------------------|---------------------|-------------------------------------------------------|----------------------|----------------------|--------------|
| Review By                | Semsettin Yesilyurt | Review On                                             | 4/23/2025 7:35:07 AM |                      |              |
| Supervise By             | Maresh Dadoda       | Supervise On                                          | 4/23/2025 1:28:52 PM |                      |              |
| SubDirectory             | VY042225            | HP Acquire Method                                     | MSVOA_Y              | HP Processing Method | 82y042225s.m |
| STD. NAME                |                     | STD REF.#                                             |                      |                      |              |
| Tune/Reschk              |                     | VP133718                                              |                      |                      |              |
| Initial Calibration Stds |                     | VP133719,VP133720,VP133721,VP133722,VP133723,VP133724 |                      |                      |              |
| CCC                      |                     |                                                       |                      |                      |              |
| Internal Standard/PEM    |                     | VP131783                                              |                      |                      |              |
| ICV/I.BLK                |                     | VP133725                                              |                      |                      |              |
| Surrogate Standard       |                     |                                                       |                      |                      |              |
| MS/MSD Standard          |                     |                                                       |                      |                      |              |
| LCS Standard             |                     |                                                       |                      |                      |              |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status |
|-----|------------|----------------|-------------------|----------|--------|
| 1   | BFB        | VY021952.D     | 22 Apr 2025 11:33 | SY/MD    | Ok     |
| 2   | VSTDIC005  | VY021953.D     | 22 Apr 2025 13:39 | SY/MD    | Ok,M   |
| 3   | VSTDIC010  | VY021954.D     | 22 Apr 2025 14:44 | SY/MD    | Ok,M   |
| 4   | VSTDIC020  | VY021955.D     | 22 Apr 2025 15:07 | SY/MD    | Ok,M   |
| 5   | VSTDIC050  | VY021956.D     | 22 Apr 2025 15:29 | SY/MD    | Ok,M   |
| 6   | VSTDIC100  | VY021957.D     | 22 Apr 2025 15:52 | SY/MD    | Ok,M   |
| 7   | VSTDIC150  | VY021958.D     | 22 Apr 2025 16:15 | SY/MD    | Ok,M   |
| 8   | IBLK       | VY021959.D     | 22 Apr 2025 16:38 | SY/MD    | Ok     |
| 9   | VSTDICV050 | VY021960.D     | 22 Apr 2025 17:01 | SY/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY042325**

|                                         |                     |                   |                       |                      |              |
|-----------------------------------------|---------------------|-------------------|-----------------------|----------------------|--------------|
| Review By                               | Mahesh Dadoda       | Review On         | 4/25/2025 12:52:11 AM |                      |              |
| Supervise By                            | Semsettin Yesilyurt | Supervise On      | 4/25/2025 12:54:50 AM |                      |              |
| SubDirectory                            | VY042325            | HP Acquire Method | MSVOA_Y               | HP Processing Method | 82y042225s.m |
| STD. NAME                               |                     | STD REF.#         |                       |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                     | VP133726          |                       |                      |              |
| CCC                                     |                     | VP133727,VP133728 |                       |                      |              |
| Internal Standard/PEM                   |                     | VP131783          |                       |                      |              |
| ICV/I.BLK                               |                     |                   |                       |                      |              |
| Surrogate Standard                      |                     |                   |                       |                      |              |
| MS/MSD Standard                         |                     |                   |                       |                      |              |
| LCS Standard                            |                     |                   |                       |                      |              |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VY021961.D     | 23 Apr 2025 09:27 | SY/MD    | Ok       |
| 2   | VSTDCCC050   | VY021962.D     | 23 Apr 2025 09:57 | SY/MD    | Ok,M     |
| 3   | VY0423SBL01  | VY021963.D     | 23 Apr 2025 10:31 | SY/MD    | Ok       |
| 4   | VY0423SBS01  | VY021964.D     | 23 Apr 2025 11:07 | SY/MD    | Ok,M     |
| 5   | VY0423SBSD01 | VY021965.D     | 23 Apr 2025 11:30 | SY/MD    | Ok,M     |
| 6   | Q1841-01RE   | VY021966.D     | 23 Apr 2025 13:06 | SY/MD    | Confirms |
| 7   | Q1851-06     | VY021967.D     | 23 Apr 2025 13:29 | SY/MD    | Ok       |
| 8   | Q1850-01     | VY021968.D     | 23 Apr 2025 13:53 | SY/MD    | Ok       |
| 9   | Q1848-01     | VY021969.D     | 23 Apr 2025 14:16 | SY/MD    | Ok       |
| 10  | Q1848-03     | VY021970.D     | 23 Apr 2025 14:40 | SY/MD    | Ok       |
| 11  | Q1848-05     | VY021971.D     | 23 Apr 2025 15:03 | SY/MD    | Ok       |
| 12  | Q1853-01     | VY021972.D     | 23 Apr 2025 15:27 | SY/MD    | ReRun    |
| 13  | Q1854-01     | VY021973.D     | 23 Apr 2025 15:50 | SY/MD    | Ok       |
| 14  | Q1852-01     | VY021974.D     | 23 Apr 2025 16:13 | SY/MD    | Ok       |
| 15  | Q1852-03     | VY021975.D     | 23 Apr 2025 16:37 | SY/MD    | Ok       |
| 16  | Q1852-05     | VY021976.D     | 23 Apr 2025 17:00 | SY/MD    | Ok       |
| 17  | Q1852-07     | VY021977.D     | 23 Apr 2025 17:24 | SY/MD    | Ok       |
| 18  | Q1858-01     | VY021978.D     | 23 Apr 2025 17:47 | SY/MD    | Ok       |
| 19  | Q1858-02     | VY021979.D     | 23 Apr 2025 18:11 | SY/MD    | Ok       |
| 20  | Q1858-03     | VY021980.D     | 23 Apr 2025 18:34 | SY/MD    | Ok       |
| 21  | Q1859-01     | VY021981.D     | 23 Apr 2025 18:58 | SY/MD    | Ok       |

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QCBatch ID # VY042325**

| Review By                               | Mahesh Dadoda       | Review On         | 4/25/2025 12:52:11 AM |                      |              |
|-----------------------------------------|---------------------|-------------------|-----------------------|----------------------|--------------|
| Supervise By                            | Semsettin Yesilyurt | Supervise On      | 4/25/2025 12:54:50 AM |                      |              |
| SubDirectory                            | VY042325            | HP Acquire Method | MSVOA_Y               | HP Processing Method | 82y042225s.m |
| STD. NAME                               |                     | STD REF.#         |                       |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                     | VP133726          |                       |                      |              |
| CCC                                     |                     | VP133727,VP133728 |                       |                      |              |
| Internal Standard/PEM                   |                     | VP131783          |                       |                      |              |
| ICV/I.BLK                               |                     |                   |                       |                      |              |
| Surrogate Standard                      |                     |                   |                       |                      |              |
| MS/MSD Standard                         |                     |                   |                       |                      |              |
| LCS Standard                            |                     |                   |                       |                      |              |

|    |            |            |                   |       |       |
|----|------------|------------|-------------------|-------|-------|
| 22 | Q1859-02   | VY021982.D | 23 Apr 2025 19:21 | SY/MD | Ok    |
| 23 | Q1859-03   | VY021983.D | 23 Apr 2025 19:44 | SY/MD | Ok    |
| 24 | Q1855-01   | VY021984.D | 23 Apr 2025 20:08 | SY/MD | ReRun |
| 25 | VSTDCCC050 | VY021985.D | 23 Apr 2025 20:31 | SY/MD | Ok,M  |

M : Manual Integration

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Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY032725**

|              |                     |                      |                      |
|--------------|---------------------|----------------------|----------------------|
| Review By    | Mahesh Dadoda       | Review On            | 3/28/2025 3:29:57 PM |
| Supervise By | Semsettin Yesilyurt | Supervise On         | 3/28/2025 3:30:48 PM |
| SubDirectory | VY032725            | HP Acquire Method    | MSVOA_Y              |
|              |                     | HP Processing Method | 82y032725s.m         |

| STD. NAME                | STD REF.#                                             |
|--------------------------|-------------------------------------------------------|
| Tune/Reschk              | VP133499                                              |
| Initial Calibration Stds | VP133500,VP133501,VP133502,VP133503,VP133505,VP133508 |
| CCC                      | VP133510                                              |
| Internal Standard/PEM    | VP131783                                              |
| ICV/I.BLK                | VP133509                                              |
| Surrogate Standard       |                                                       |
| MS/MSD Standard          |                                                       |
| LCS Standard             |                                                       |

| Sr# | SampleID     | ClientID     | Data File Name | Date-Time         | Comment                          | Operator | Status   |
|-----|--------------|--------------|----------------|-------------------|----------------------------------|----------|----------|
| 1   | BFB          | BFB          | VY021655.D     | 27 Mar 2025 09:23 |                                  | SY/MD    | Ok       |
| 2   | VSTDICC005   | VSTDICC005   | VY021656.D     | 27 Mar 2025 10:08 |                                  | SY/MD    | Ok,M     |
| 3   | VSTDICC010   | VSTDICC010   | VY021657.D     | 27 Mar 2025 10:31 |                                  | SY/MD    | Ok,M     |
| 4   | VSTDICC020   | VSTDICC020   | VY021658.D     | 27 Mar 2025 10:54 | Comp.#20 is on Linear Regression | SY/MD    | Ok,M     |
| 5   | VSTDICCC050  | VSTDICCC050  | VY021659.D     | 27 Mar 2025 11:16 |                                  | SY/MD    | Ok,M     |
| 6   | VSTDICC100   | VSTDICC100   | VY021660.D     | 27 Mar 2025 11:39 |                                  | SY/MD    | Ok,M     |
| 7   | VSTDICC150   | VSTDICC150   | VY021661.D     | 27 Mar 2025 12:02 |                                  | SY/MD    | Ok,M     |
| 8   | VIBLK        | VIBLK        | VY021662.D     | 27 Mar 2025 12:35 |                                  | SY/MD    | Ok       |
| 9   | VSTDICV050   | ICVVY032725  | VY021663.D     | 27 Mar 2025 13:15 |                                  | SY/MD    | Ok,M     |
| 10  | VY0327SBL01  | VY0327SBL01  | VY021664.D     | 27 Mar 2025 13:59 |                                  | SY/MD    | Ok       |
| 11  | VY0327SBS01  | VY0327SBS01  | VY021665.D     | 27 Mar 2025 14:38 |                                  | SY/MD    | Ok,M     |
| 12  | VY0327SBSD01 | VY0327SBSD01 | VY021666.D     | 27 Mar 2025 15:00 |                                  | SY/MD    | Ok,M     |
| 13  | Q1661-02     | 351          | VY021667.D     | 27 Mar 2025 15:24 | vial-B Not purge                 | SY/MD    | Not Ok   |
| 14  | Q1645-03RE   | TP-4-VOCRE   | VY021668.D     | 27 Mar 2025 15:48 | vial-B Internal Standard Fail    | SY/MD    | Confirms |
| 15  | Q1662-03     | TP-6-VOC     | VY021669.D     | 27 Mar 2025 16:11 | vial-A NOT PURGE                 | SY/MD    | Not Ok   |
| 16  | Q1662-07     | TP-7-VOC     | VY021670.D     | 27 Mar 2025 16:35 | vial-A Internal Standard Fail    | SY/MD    | ReRun    |
| 17  | Q1661-02     | 351          | VY021671.D     | 27 Mar 2025 16:58 | vial-A NOT PURGE                 | SY/MD    | Not Ok   |

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY032725**

| Review By                | Mahesh Dadoda                                         | Review On         | 3/28/2025 3:29:57 PM |                      |              |
|--------------------------|-------------------------------------------------------|-------------------|----------------------|----------------------|--------------|
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On      | 3/28/2025 3:30:48 PM |                      |              |
| SubDirectory             | VY032725                                              | HP Acquire Method | MSVOA_Y              | HP Processing Method | 82y032725s.m |
| STD. NAME                | STD REF.#                                             |                   |                      |                      |              |
| Tune/Reschk              | VP133499                                              |                   |                      |                      |              |
| Initial Calibration Stds | VP133500,VP133501,VP133502,VP133503,VP133505,VP133508 |                   |                      |                      |              |
| CCC                      | VP133510                                              |                   |                      |                      |              |
| Internal Standard/PEM    | VP131783                                              |                   |                      |                      |              |
| ICV/I.BLK                | VP133509                                              |                   |                      |                      |              |
| Surrogate Standard       |                                                       |                   |                      |                      |              |
| MS/MSD Standard          |                                                       |                   |                      |                      |              |
| LCS Standard             |                                                       |                   |                      |                      |              |

|    |            |                 |            |                   |                               |       |        |
|----|------------|-----------------|------------|-------------------|-------------------------------|-------|--------|
| 18 | Q1650-02   | STOCK-PILE-BIN2 | VY021672.D | 27 Mar 2025 17:21 | vial-A NOT PURGE              | SY/MD | Not Ok |
| 19 | Q1654-01   | RT3407          | VY021673.D | 27 Mar 2025 17:45 | vial-A Internal Standard Fail | SY/MD | Ok     |
| 20 | Q1656-01   | VNJ239          | VY021674.D | 27 Mar 2025 18:08 | vial-A NOT PURGE              | SY/MD | Not Ok |
| 21 | Q1648-09   | TP-7            | VY021675.D | 27 Mar 2025 18:32 | vial-A                        | SY/MD | Ok     |
| 22 | Q1648-07   | TP-6            | VY021676.D | 27 Mar 2025 18:55 | vial-A                        | SY/MD | Ok     |
| 23 | Q1648-05   | TP-3            | VY021677.D | 27 Mar 2025 19:19 | vial-A                        | SY/MD | Ok     |
| 24 | Q1648-01   | TP-4            | VY021678.D | 27 Mar 2025 19:42 | vial-A                        | SY/MD | Ok     |
| 25 | Q1648-03   | TP-5            | VY021679.D | 27 Mar 2025 20:05 | vial-A                        | SY/MD | Ok     |
| 26 | VSTDCCC050 | VSTDCCC050EC    | VY021680.D | 27 Mar 2025 20:28 |                               | SY/MD | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_Y

### Daily Analysis Runlog For Sequence/QC Batch ID # VY042125

|              |                     |                      |                      |
|--------------|---------------------|----------------------|----------------------|
| Review By    | Semsettin Yesilyurt | Review On            | 4/22/2025 1:56:52 PM |
| Supervise By | Maresh Dadoda       | Supervise On         | 4/22/2025 1:59:08 PM |
| SubDirectory | VY042125            | HP Acquire Method    | MSVOA_Y              |
|              |                     | HP Processing Method | 82y032725s.m         |

| STD. NAME                                                                                          | STD REF.#                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133701                      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133702,VP133703<br>VP131783 |

| Sr# | SampleID     | ClientID         | Data File Name | Date-Time         | Comment                                          | Operator | Status   |
|-----|--------------|------------------|----------------|-------------------|--------------------------------------------------|----------|----------|
| 1   | BFB          | BFB              | VY021934.D     | 21 Apr 2025 08:38 |                                                  | SY/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050       | VY021935.D     | 21 Apr 2025 09:08 |                                                  | SY/MD    | Ok,M     |
| 3   | VY0421SBL01  | VY0421SBL01      | VY021936.D     | 21 Apr 2025 09:42 |                                                  | SY/MD    | Ok       |
| 4   | VY0421SBS01  | VY0421SBS01      | VY021937.D     | 21 Apr 2025 10:18 |                                                  | SY/MD    | Ok,M     |
| 5   | VY0421SBSD01 | VY0421SBSD01     | VY021938.D     | 21 Apr 2025 10:41 |                                                  | SY/MD    | Ok,M     |
| 6   | Q1840-01RE   | OK-04-04182025RE | VY021939.D     | 21 Apr 2025 11:37 | vial-B Internal Standard Fail;<br>Surrogate Fail | SY/MD    | Confirms |
| 7   | Q1841-01     | VNJ-231          | VY021940.D     | 21 Apr 2025 12:00 | vial-A Internal Standard Fail                    | SY/MD    | ReRun    |
| 8   | Q1842-02     | PL-714-VOC-08    | VY021941.D     | 21 Apr 2025 12:23 | vial-A                                           | SY/MD    | Ok       |
| 9   | Q1842-08     | PL-714-VOC-09    | VY021942.D     | 21 Apr 2025 12:47 | vial-A                                           | SY/MD    | Ok       |
| 10  | Q1842-14     | PL-714-VOC-10    | VY021943.D     | 21 Apr 2025 13:10 | vial-A                                           | SY/MD    | Ok       |
| 11  | Q1842-20     | PL-714-VOC-11    | VY021944.D     | 21 Apr 2025 13:34 | vial-A                                           | SY/MD    | Ok       |
| 12  | Q1842-26     | PL-714-VOC-12    | VY021945.D     | 21 Apr 2025 13:57 | vial-A                                           | SY/MD    | Ok       |
| 13  | Q1842-32     | PL-714-VOC-13    | VY021946.D     | 21 Apr 2025 14:21 | vial-A                                           | SY/MD    | Ok       |
| 14  | Q1842-38     | PL-714-VOC-14    | VY021947.D     | 21 Apr 2025 14:44 | vial-A                                           | SY/MD    | Ok       |
| 15  | Q1851-05     | GP5              | VY021948.D     | 21 Apr 2025 15:08 | vial-A                                           | SY/MD    | Ok       |
| 16  | Q1851-06     | GP6              | VY021949.D     | 21 Apr 2025 15:31 | vial-A Internal Standard Fail                    | SY/MD    | ReRun    |
| 17  | Q1851-07     | GP7              | VY021950.D     | 21 Apr 2025 15:54 | vial-A                                           | SY/MD    | Ok       |

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY042125**

| Review By                               | Semsettin Yesilyurt | Review On         | 4/22/2025 1:56:52 PM |                      |              |       |      |
|-----------------------------------------|---------------------|-------------------|----------------------|----------------------|--------------|-------|------|
| Supervise By                            | Maresh Dadoda       | Supervise On      | 4/22/2025 1:59:08 PM |                      |              |       |      |
| SubDirectory                            | VY042125            | HP Acquire Method | MSVOA_Y              | HP Processing Method | 82y032725s.m |       |      |
| STD. NAME                               | STD REF.#           |                   |                      |                      |              |       |      |
| Tune/Reschk<br>Initial Calibration Stds | VP133701            |                   |                      |                      |              |       |      |
| CCC                                     | VP133702,VP133703   |                   |                      |                      |              |       |      |
| Internal Standard/PEM                   | VP131783            |                   |                      |                      |              |       |      |
| ICV/I.BLK                               |                     |                   |                      |                      |              |       |      |
| Surrogate Standard                      |                     |                   |                      |                      |              |       |      |
| MS/MSD Standard                         |                     |                   |                      |                      |              |       |      |
| LCS Standard                            |                     |                   |                      |                      |              |       |      |
| 18                                      | VSTDCCC050          | VSTDCCC050EC      | VY021951.D           | 21 Apr 2025 16:17    |              | SY/MD | Ok,M |

M : Manual Integration

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY042225**

|                          |                     |                                                       |                      |                      |              |
|--------------------------|---------------------|-------------------------------------------------------|----------------------|----------------------|--------------|
| Review By                | Semsettin Yesilyurt | Review On                                             | 4/23/2025 7:35:07 AM |                      |              |
| Supervise By             | Mahesh Dadoda       | Supervise On                                          | 4/23/2025 1:28:52 PM |                      |              |
| SubDirectory             | VY042225            | HP Acquire Method                                     | MSVOA_Y              | HP Processing Method | 82y042225s.m |
| STD. NAME                |                     | STD REF.#                                             |                      |                      |              |
| Tune/Reschk              |                     | VP133718                                              |                      |                      |              |
| Initial Calibration Stds |                     | VP133719,VP133720,VP133721,VP133722,VP133723,VP133724 |                      |                      |              |
| CCC                      |                     |                                                       |                      |                      |              |
| Internal Standard/PEM    |                     | VP131783                                              |                      |                      |              |
| ICV/I.BLK                |                     | VP133725                                              |                      |                      |              |
| Surrogate Standard       |                     |                                                       |                      |                      |              |
| MS/MSD Standard          |                     |                                                       |                      |                      |              |
| LCS Standard             |                     |                                                       |                      |                      |              |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                         | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|---------------------------------|----------|--------|
| 1   | BFB         | BFB         | VY021952.D     | 22 Apr 2025 11:33 |                                 | SY/MD    | Ok     |
| 2   | VSTDICC005  | VSTDICC005  | VY021953.D     | 22 Apr 2025 13:39 |                                 | SY/MD    | Ok,M   |
| 3   | VSTDICC010  | VSTDICC010  | VY021954.D     | 22 Apr 2025 14:44 | Com.#16 is on Linear Regression | SY/MD    | Ok,M   |
| 4   | VSTDICC020  | VSTDICC020  | VY021955.D     | 22 Apr 2025 15:07 |                                 | SY/MD    | Ok,M   |
| 5   | VSTDICCC050 | VSTDICCC050 | VY021956.D     | 22 Apr 2025 15:29 |                                 | SY/MD    | Ok,M   |
| 6   | VSTDICC100  | VSTDICC100  | VY021957.D     | 22 Apr 2025 15:52 |                                 | SY/MD    | Ok,M   |
| 7   | VSTDICC150  | VSTDICC150  | VY021958.D     | 22 Apr 2025 16:15 |                                 | SY/MD    | Ok,M   |
| 8   | IBLK        | IBLK        | VY021959.D     | 22 Apr 2025 16:38 |                                 | SY/MD    | Ok     |
| 9   | VSTDICV050  | ICVVY042225 | VY021960.D     | 22 Apr 2025 17:01 |                                 | SY/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY042325**

|                                         |                     |                   |                       |                      |              |
|-----------------------------------------|---------------------|-------------------|-----------------------|----------------------|--------------|
| Review By                               | Mahesh Dadoda       | Review On         | 4/25/2025 12:52:11 AM |                      |              |
| Supervise By                            | Semsettin Yesilyurt | Supervise On      | 4/25/2025 12:54:50 AM |                      |              |
| SubDirectory                            | VY042325            | HP Acquire Method | MSVOA_Y               | HP Processing Method | 82y042225s.m |
| STD. NAME                               |                     | STD REF.#         |                       |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                     | VP133726          |                       |                      |              |
| CCC                                     |                     | VP133727,VP133728 |                       |                      |              |
| Internal Standard/PEM                   |                     | VP131783          |                       |                      |              |
| ICV/I.BLK                               |                     |                   |                       |                      |              |
| Surrogate Standard                      |                     |                   |                       |                      |              |
| MS/MSD Standard                         |                     |                   |                       |                      |              |
| LCS Standard                            |                     |                   |                       |                      |              |

| Sr# | SampleID     | ClientID          | Data File Name | Date-Time         | Comment                       | Operator | Status   |
|-----|--------------|-------------------|----------------|-------------------|-------------------------------|----------|----------|
| 1   | BFB          | BFB               | VY021961.D     | 23 Apr 2025 09:27 |                               | SY/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050        | VY021962.D     | 23 Apr 2025 09:57 |                               | SY/MD    | Ok,M     |
| 3   | VY0423SBL01  | VY0423SBL01       | VY021963.D     | 23 Apr 2025 10:31 |                               | SY/MD    | Ok       |
| 4   | VY0423SBS01  | VY0423SBS01       | VY021964.D     | 23 Apr 2025 11:07 |                               | SY/MD    | Ok,M     |
| 5   | VY0423SBSD01 | VY0423SBSD01      | VY021965.D     | 23 Apr 2025 11:30 |                               | SY/MD    | Ok,M     |
| 6   | Q1841-01RE   | VNJ-231RE         | VY021966.D     | 23 Apr 2025 13:06 | vial-B Internal Standard Fail | SY/MD    | Confirms |
| 7   | Q1851-06     | GP6               | VY021967.D     | 23 Apr 2025 13:29 | vial-B                        | SY/MD    | Ok       |
| 8   | Q1850-01     | CONCRETE-PILE-N-C | VY021968.D     | 23 Apr 2025 13:53 | vial-A                        | SY/MD    | Ok       |
| 9   | Q1848-01     | RBR200027         | VY021969.D     | 23 Apr 2025 14:16 | vial-A                        | SY/MD    | Ok       |
| 10  | Q1848-03     | ETGI-275          | VY021970.D     | 23 Apr 2025 14:40 | vial-A                        | SY/MD    | Ok       |
| 11  | Q1848-05     | ETGI-342          | VY021971.D     | 23 Apr 2025 15:03 | vial-A                        | SY/MD    | Ok       |
| 12  | Q1853-01     | EO-02-04222025    | VY021972.D     | 23 Apr 2025 15:27 | vial-A Internal Standard Fail | SY/MD    | ReRun    |
| 13  | Q1854-01     | NB-08-04222025    | VY021973.D     | 23 Apr 2025 15:50 | vial-A                        | SY/MD    | Ok       |
| 14  | Q1852-01     | ETGI-354          | VY021974.D     | 23 Apr 2025 16:13 | vial-A                        | SY/MD    | Ok       |
| 15  | Q1852-03     | 72-11977          | VY021975.D     | 23 Apr 2025 16:37 | vial-A                        | SY/MD    | Ok       |
| 16  | Q1852-05     | ETGI-278          | VY021976.D     | 23 Apr 2025 17:00 | vial-A                        | SY/MD    | Ok       |
| 17  | Q1852-07     | 72-12013          | VY021977.D     | 23 Apr 2025 17:24 | vial-A                        | SY/MD    | Ok       |
| 18  | Q1858-01     | COMP-1            | VY021978.D     | 23 Apr 2025 17:47 | vial-A                        | SY/MD    | Ok       |

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY042325**

| Review By                               | Mahesh Dadoda       | Review On         | 4/25/2025 12:52:11 AM |                      |              |
|-----------------------------------------|---------------------|-------------------|-----------------------|----------------------|--------------|
| Supervise By                            | Semsettin Yesilyurt | Supervise On      | 4/25/2025 12:54:50 AM |                      |              |
| SubDirectory                            | VY042325            | HP Acquire Method | MSVOA_Y               | HP Processing Method | 82y042225s.m |
| STD. NAME                               |                     | STD REF.#         |                       |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                     | VP133726          |                       |                      |              |
| CCC                                     |                     | VP133727,VP133728 |                       |                      |              |
| Internal Standard/PEM                   |                     | VP131783          |                       |                      |              |
| ICV/I.BLK                               |                     |                   |                       |                      |              |
| Surrogate Standard                      |                     |                   |                       |                      |              |
| MS/MSD Standard                         |                     |                   |                       |                      |              |
| LCS Standard                            |                     |                   |                       |                      |              |

|    |            |              |            |                   |                               |       |       |
|----|------------|--------------|------------|-------------------|-------------------------------|-------|-------|
| 19 | Q1858-02   | COMP-2       | VY021979.D | 23 Apr 2025 18:11 | vial-A                        | SY/MD | Ok    |
| 20 | Q1858-03   | COMP-3       | VY021980.D | 23 Apr 2025 18:34 | vial-A                        | SY/MD | Ok    |
| 21 | Q1859-01   | COMP-1       | VY021981.D | 23 Apr 2025 18:58 | vial-A                        | SY/MD | Ok    |
| 22 | Q1859-02   | COMP-2       | VY021982.D | 23 Apr 2025 19:21 | vial-A                        | SY/MD | Ok    |
| 23 | Q1859-03   | COMP-3       | VY021983.D | 23 Apr 2025 19:44 | vial-A                        | SY/MD | Ok    |
| 24 | Q1855-01   | 2001         | VY021984.D | 23 Apr 2025 20:08 | vial-A Internal Standard Fail | SY/MD | ReRun |
| 25 | VSTDCCC050 | VSTDCCC050EC | VY021985.D | 23 Apr 2025 20:31 |                               | SY/MD | Ok,M  |

M : Manual Integration

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1851           | <b>OrderDate:</b> | 4/21/2025 12:52:00 PM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Stockton              |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | L31,VOA Ref. #2 Soil  |

| LabID           | ClientID   | Matrix      | Test         | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|------------|-------------|--------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1851-05</b> | <b>GP5</b> | <b>SOIL</b> | VOCMS Group1 | 8260D  | <b>04/21/25</b> |           | 04/21/25  | <b>04/21/25</b> |
| <b>Q1851-06</b> | <b>GP6</b> | <b>SOIL</b> | VOCMS Group1 | 8260D  | <b>04/21/25</b> |           | 04/23/25  | <b>04/21/25</b> |
| <b>Q1851-07</b> | <b>GP7</b> | <b>SOIL</b> | VOCMS Group1 | 8260D  | <b>04/21/25</b> |           | 04/21/25  | <b>04/21/25</b> |



# SAMPLE DATA

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## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 04/21/25 |
| Project:           | Stockton        | Date Received:  | 04/21/25 |
| Client Sample ID:  | DP5             | SDG No.:        | Q1851    |
| Lab Sample ID:     | Q1851-01        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 96.8     |
| Sample Wt/Vol:     | 30.01           | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/22/25 09:40 | 04/23/25 0:48   | PB167690      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 19.1  |           | 1        | 1.22 | 2.07       | mg/kg             | FE053484.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 1.65  | J         | 1        | 0.94 | 4.13       | mg/kg             | FE053484.D |
| Total AliphaticEPH | Total AliphaticEPH | 20.8  |           |          | 2.16 | 6.20       | mg/kg             |            |
| Total EPH          | Total EPH          | 20.8  |           |          | 2.16 | 6.20       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: | 04/21/25     |
| Project:           | Stockton            | Date Received:  | 04/21/25     |
| Client Sample ID:  | DP5                 | SDG No.:        | Q1851        |
| Lab Sample ID:     | Q1851-01            | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 96.8         |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_NF       |
| Prep Method :      |                     |                 |              |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE053484.D | 1         | 04/22/25    | 04/23/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 1.65  | J         | 0.94     | 4.13       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 19.1  |           | 1.22     | 2.07       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 25.1  |           | 40 - 140 | 50%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 24.3  |           | 40 - 140 | 49%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1851-01   | Acq On:            | 23 Apr 2025 00:48 |
| Client Sample ID: | DP5        | Operator:          | YP\AJ             |
| Data file:        | FE053484.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 31                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.123  | 6.764  | 455546   | 3.288   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.765  | 10.214 | 714689   | 5.04    | 200              | ug/ml |
| Aliphatic C16-C21         | 10.215 | 13.590 | 787474   | 5.417   | 300              | ug/ml |
| Aliphatic C21-C28         | 13.591 | 17.259 | 1457129  | 10.249  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.260 | 22.156 | 35893335 | 278.137 | 600              | ug/ml |
| Aliphatic EPH             | 3.123  | 22.156 | 39308173 | 302.131 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.874 | 11.874 | 4388306  | 24.33   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.318 | 13.318 | 3399308  | 25.15   |                  | ug/ml |
| Aliphatic C9-C28          | 3.123  | 17.259 | 3414838  | 23.994  | 1200             | ug/ml |

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 04/21/25 |
| Project:           | Stockton        | Date Received:  | 04/21/25 |
| Client Sample ID:  | DP6             | SDG No.:        | Q1851    |
| Lab Sample ID:     | Q1851-02        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 97       |
| Sample Wt/Vol:     | 30.06           | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/22/25 09:40 | 04/23/25 1:18   | PB167690      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 11.0  |           | 1        | 1.21 | 2.06       | mg/kg FE053485.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 43.3  |           | 1        | 0.94 | 4.12       | mg/kg FE053485.D  |
| Total AliphaticEPH | Total AliphaticEPH | 54.3  |           |          | 2.15 | 6.18       | mg/kg             |
| Total EPH          | Total EPH          | 54.3  |           |          | 2.15 | 6.18       | mg/kg             |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 04/21/25 |
| Project:           | Stockton        | Date Received:  | 04/21/25 |
| Client Sample ID:  | DP6             | SDG No.:        | Q1851    |
| Lab Sample ID:     | Q1851-02        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 97       |
| Sample Wt/Vol:     | 30.06           | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_NF   |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE053485.D | 1         | 04/22/25    | 04/23/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 43.3  |           | 0.94     | 4.12       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 11.0  |           | 1.21     | 2.06       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 37.0  |           | 40 - 140 | 74%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 37.8  |           | 40 - 140 | 76%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1851-02   | Acq On:            | 23 Apr 2025 01:18 |
| Client Sample ID: | DP6        | Operator:          | YP\AJ             |
| Data file:        | FE053485.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 32                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.123  | 6.764  | 438693    | 3.166   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.765  | 10.214 | 12666134  | 89.32   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.215 | 13.590 | 60536182  | 416.446 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.591 | 17.259 | 17335589  | 121.932 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.260 | 22.156 | 20711571  | 160.494 | 600              | ug/ml |
| Aliphatic EPH             | 3.123  | 22.156 | 111688169 | 791.358 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.876 | 11.876 | 6816047   | 37.79   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.320 | 13.320 | 4994683   | 36.95   |                  | ug/ml |
| Aliphatic C9-C28          | 3.123  | 17.259 | 90976598  | 630.864 | 1200             | ug/ml |

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 04/21/25 |
| Project:           | Stockton        | Date Received:  | 04/21/25 |
| Client Sample ID:  | DP7             | SDG No.:        | Q1851    |
| Lab Sample ID:     | Q1851-03        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 98.5     |
| Sample Wt/Vol:     | 30.03           | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/22/25 09:40 | 04/23/25 1:48   | PB167690      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 6.34  |           | 1        | 1.20 | 2.03       | mg/kg FE053486.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 78.6  |           | 1        | 0.92 | 4.05       | mg/kg FE053486.D  |
| Total AliphaticEPH | Total AliphaticEPH | 85.0  |           |          | 2.12 | 6.08       | mg/kg             |
| Total EPH          | Total EPH          | 85.0  |           |          | 2.12 | 6.08       | mg/kg             |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 04/21/25 |
| Project:           | Stockton        | Date Received:  | 04/21/25 |
| Client Sample ID:  | DP7             | SDG No.:        | Q1851    |
| Lab Sample ID:     | Q1851-03        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 98.5     |
| Sample Wt/Vol:     | 30.03           | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_NF   |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE053486.D | 1         | 04/22/25    | 04/23/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 78.6  |           | 0.92     | 4.05       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 6.34  |           | 1.20     | 2.03       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 37.0  |           | 40 - 140 | 74%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 37.3  |           | 40 - 140 | 75%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1851-03   | Acq On:            | 23 Apr 2025 01:48 |
| Client Sample ID: | DP7        | Operator:          | YP\AJ             |
| Data file:        | FE053486.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 33                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.123  | 6.764  | 239933    | 1.732   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.765  | 10.214 | 18491005  | 130.396 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.215 | 13.590 | 117106571 | 805.61  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.591 | 17.259 | 32220221  | 226.624 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.260 | 22.156 | 12092476  | 93.704  | 600              | ug/ml |
| Aliphatic EPH             | 3.123  | 22.156 | 180150206 | 1260    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.876 | 11.876 | 6719849   | 37.26   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.321 | 13.321 | 5006127   | 37.03   |                  | ug/ml |
| Aliphatic C9-C28          | 3.123  | 17.259 | 168057730 | 1160    | 1200             | ug/ml |

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 04/21/25 |
| Project:           | Stockton        | Date Received:  | 04/21/25 |
| Client Sample ID:  | DP8             | SDG No.:        | Q1851    |
| Lab Sample ID:     | Q1851-04        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 92.3     |
| Sample Wt/Vol:     | 30.06           | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_NF   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/22/25 09:40 | 04/23/25 2:18   | PB167690      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 29.5  |           | 1        | 1.28 | 2.16       | mg/kg FE053487.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 20.8  |           | 1        | 0.98 | 4.32       | mg/kg FE053487.D  |
| Total AliphaticEPH | Total AliphaticEPH | 50.3  |           |          | 2.26 | 6.48       | mg/kg             |
| Total EPH          | Total EPH          | 50.3  |           |          | 2.26 | 6.48       | mg/kg             |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 04/21/25 |
| Project:           | Stockton        | Date Received:  | 04/21/25 |
| Client Sample ID:  | DP8             | SDG No.:        | Q1851    |
| Lab Sample ID:     | Q1851-04        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 92.3     |
| Sample Wt/Vol:     | 30.06           | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_NF   |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FE053487.D | 1         | 04/22/25    | 04/23/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 20.8  |           | 0.98     | 4.32       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 29.5  |           | 1.28     | 2.16       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 32.5  |           | 40 - 140 | 65%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 32.0  |           | 40 - 140 | 64%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1851-04   | Acq On:            | 23 Apr 2025 02:18 |
| Client Sample ID: | DP8        | Operator:          | YP\AJ             |
| Data file:        | FE053487.D | Misc:              |                   |
| Instrument:       | FID_E      | ALS Vial:          | 34                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.123  | 6.764  | 7111095  | 51.321  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.765  | 10.214 | 4523830  | 31.902  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.215 | 13.590 | 16174106 | 111.266 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.591 | 17.259 | 13423494 | 94.416  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.260 | 22.156 | 52748595 | 408.748 | 600              | ug/ml |
| Aliphatic EPH             | 3.123  | 22.156 | 93981120 | 697.652 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.874 | 11.874 | 5770856  | 32      |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.319 | 13.319 | 4399888  | 32.55   |                  | ug/ml |
| Aliphatic C9-C28          | 3.123  | 17.259 | 41232525 | 288.905 | 1200             | ug/ml |



# QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM CASE No.: Q1851 SAS No.: Q1851 SDG No.: Q1851  
Run Number: FE042225AL

| Client<br>SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) |  | TOT<br>OUT |
|----------------------|---------------------------|------------------------|--|------------|
| DP5                  | 50                        | 49                     |  | 0          |
| DP6                  | 74                        | 76                     |  | 0          |
| DP7                  | 74                        | 75                     |  | 0          |
| DP8                  | 65                        | 64                     |  | 0          |

QC LIMITS

1-chlorooctadecane (SURR) (40-140)  
ortho-Terphenyl (SURR) (40-140)

# Column to be used to flag recovery values  
\* Values outside of contract required QC Limits  
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM CASE No.: Q1851 SAS No.: Q1851 SDG No.: Q1851  
Run Number: FG042225AL

| Client<br>SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) |  | TOT<br>OUT |
|----------------------|---------------------------|------------------------|--|------------|
| PB167690BL           | 78                        | 78                     |  | 0          |
| PB167690BS           | 88                        | 82                     |  | 0          |
| PB167690BSD          | 78                        | 72                     |  | 0          |
| ETGI-275MS           | 64                        | 47                     |  | 0          |
| ETGI-275MSD          | 64                        | 45                     |  | 0          |

QC LIMITS

1-chlorooctadecane (SURR) (40-140)  
ortho-Terphenyl (SURR) (40-140)

# Column to be used to flag recovery values  
\* Values outside of contract required QC Limits  
D Surrogate diluted out

SOIL EPH SURROGATE RECOVERY

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

QC LIMITS

|                           |          |
|---------------------------|----------|
| 1-chlorooctadecane (SURR) | (40-140) |
| ortho-Terphenyl (SURR)    | (40-140) |

# Column to be used to flag recovery values  
\* Values outside of contract required QC Limits  
D Surrogate diluted out

**SOLID EPH\_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1851 **SAS No :** Q1851 **SDG No:** Q1851  
**Sample No :** Q1848-03MS **Datafile:** FG015739.D  
**Client ID :** ETGI-275MS

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|-------------------|-------------------------|----------------------------------|----------------------------------|-------|------|-----------|
| Aliphatic C28-C40 | 34.9                    | 88.0                             | 98.4                             | 30    | *    | (40-140)  |
| Aliphatic C9-C28  | 116.3                   | 93.5                             | 131                              | 32    | *    | (40-140)  |

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**SOLID EPH\_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1851 **SAS No :** Q1851 **SDG No:** Q1851  
**Sample No :** Q1848-03MSD **Datafile:** FG015740.D  
**Client ID :** ETGI-275MSD

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS  | QC Limit Of<br>RPD |
|-------------------|-------------------------|----------------------------------|----------------------------------|-------|------|------------------|--------------------|
| Aliphatic C28-C40 | 34.9                    | 88.0                             | 95.5                             | 22    | *    | 32.2 *  (40-140) | 25                 |
| Aliphatic C9-C28  | 116.3                   | 93.5                             | 128                              | 30    | *    | 8   (40-140)     | 25                 |

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**SOLID EPH\_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1851 **SAS No :** Q1851 **SDG No:** Q1851  
**Sample No :** PB167690BS **Datafile:** FG015735.D  
**Client ID :** PB167690BS

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|-------------------|-------------------------|------------------------------------|-------|------|-----------|
| Aliphatic C28-C40 | 30.0                    | 23.6                               | 79    |      | (40-140)  |
| Aliphatic C9-C28  | 99.9                    | 76.0                               | 77    |      | (40-140)  |

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**SOLID EPH\_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1851 **SAS No :** Q1851 **SDG No:** Q1851  
**Sample No :** PB167690BSD **Datafile:** FG015736.D  
**Client ID :** PB167690BSD

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS | QC Limit<br>Of RPD |
|-------------------|-------------------------|------------------------------------|-------|------|-----------------|--------------------|
| Aliphatic C28-C40 | 30.0                    | 22.7                               | 76    |      | 3.9  (40-140)   | 50                 |
| Aliphatic C9-C28  | 99.9                    | 67.6                               | 68    |      | 12.1  (40-140)  | 50                 |

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4B  
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167690BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1851

SAS No.: Q1851 SDG NO.: Q1851

Instrument ID: FID\_E

Lab Sample ID: PB167690BL

Matrix: (soil/water) Solid

Date Extracted: 4/22/2025 9:40:00 A

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID |
|-------------------|------------------|
| PB167690BS        | PB167690BS       |
| PB167690BSD       | PB167690BSD      |
| ETGI-275MS        | Q1848-03MS       |
| ETGI-275MSD       | Q1848-03MSD      |
| DP5               | Q1851-01         |
| DP6               | Q1851-02         |
| DP7               | Q1851-03         |
| DP8               | Q1851-04         |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_



# QC SAMPLE DATA

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## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Stockton            | Date Received:  |              |
| Client Sample ID:  | PB167690BL          | SDG No.:        | Q1851        |
| Lab Sample ID:     | PB167690BL          | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_NF       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/22/25 09:40 | 04/22/25 13:48  | PB167690      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1.18  | U         | 1        | 1.18 | 2.00       | mg/kg             | FG015734.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 0.91  | U         | 1        | 0.91 | 3.99       | mg/kg             | FG015734.D |
| Total AliphaticEPH | Total AliphaticEPH | 2.09  | U         |          | 2.09 | 5.99       | mg/kg             |            |
| Total EPH          | Total EPH          | 2.09  | U         |          | 2.09 | 5.99       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Stockton               | Date Received:  |                      |
| Client Sample ID:  | PB167690BL             | SDG No.:        | Q1851                |
| Lab Sample ID:     | PB167690BL             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015734.D | 1         | 04/22/25    | 04/22/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 0.91  | U         | 0.91     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.18  | U         | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 39.1  |           | 40 - 140 | 78%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 38.9  |           | 40 - 140 | 78%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB167690BL | Acq On:            | 22 Apr 2025 13:48 |
| Client Sample ID: | PB167690BL | Operator:          | YP\AJ             |
| Data file:        | FG015734.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 21                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 3.145  | 6.786  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.787  | 10.235 | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 10.236 | 13.612 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.613 | 17.283 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 17.284 | 22.194 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.145  | 22.194 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.900 | 11.900 | 5635503  | 38.87 |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.346 | 13.346 | 4130716  | 39.06 |                  | ug/ml |
| Aliphatic C9-C28          | 3.145  | 17.283 | 0        | 0     | 1200             | ug/ml |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Stockton            | Date Received:  |              |
| Client Sample ID:  | PB167690BS          | SDG No.:        | Q1851        |
| Lab Sample ID:     | PB167690BS          | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.03      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_NF       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/22/25 09:40 | 04/22/25 14:18  | PB167690      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 23.6  |           | 1        | 1.18 | 2.00       | mg/kg FG015735.D  |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 76.0  |           | 1        | 0.91 | 3.99       | mg/kg FG015735.D  |
| Total AliphaticEPH | Total AliphaticEPH | 99.6  |           |          | 2.09 | 5.99       | mg/kg             |
| Total EPH          | Total EPH          | 99.6  |           |          | 2.09 | 5.99       | mg/kg             |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                 |          |                 |        |    |
|--------------------|-----------------|----------|-----------------|--------|----|
| Client:            | G Environmental |          | Date Collected: |        |    |
| Project:           | Stockton        |          | Date Received:  |        |    |
| Client Sample ID:  | PB167690BS      |          | SDG No.:        | Q1851  |    |
| Lab Sample ID:     | PB167690BS      |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH           |          | % Solid:        | 100    |    |
| Sample Wt/Vol:     | 30.03           | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                 | uL       | Test:           | EPH_NF |    |
| Prep Method :      |                 |          |                 |        |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015735.D | 1         | 04/22/25    | 04/22/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 76.0  |           | 0.91     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 23.6  |           | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 44.2  |           | 40 - 140 | 88%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 41.0  |           | 40 - 140 | 82%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB167690BS | Acq On:            | 22 Apr 2025 14:18 |
| Client Sample ID: | PB167690BS | Operator:          | YP\AJ             |
| Data file:        | FG015735.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 22                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.145  | 6.786  | 24037783  | 213.213 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.787  | 10.235 | 30695264  | 265.891 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.236 | 13.612 | 35120683  | 295.217 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.613 | 17.283 | 41417449  | 366.23  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.284 | 22.194 | 35033263  | 355.099 | 600              | ug/ml |
| Aliphatic EPH             | 3.145  | 22.194 | 166304442 | 1500    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.901 | 11.901 | 5947336   | 41.02   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.344 | 13.344 | 4670863   | 44.17   |                  | ug/ml |
| Aliphatic C9-C28          | 3.145  | 17.283 | 131271179 | 1140    | 1200             | ug/ml |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Stockton            | Date Received:  |              |
| Client Sample ID:  | PB167690BSD         | SDG No.:        | Q1851        |
| Lab Sample ID:     | PB167690BSD         | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_NF       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/22/25 09:40 | 04/22/25 14:47  | PB167690      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight)   |
|--------------------|--------------------|-------|-----------|----------|------|------------|---------------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                     |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 22.7  |           | 1        | 1.18 | 2.00       | mg/kg    FG015736.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 67.6  |           | 1        | 0.91 | 3.99       | mg/kg    FG015736.D |
| Total AliphaticEPH | Total AliphaticEPH | 90.3  |           |          | 2.09 | 5.99       | mg/kg               |
| Total EPH          | Total EPH          | 90.3  |           |          | 2.09 | 5.99       | mg/kg               |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Stockton               | Date Received:  |                      |
| Client Sample ID:  | PB167690BSD            | SDG No.:        | Q1851                |
| Lab Sample ID:     | PB167690BSD            | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015736.D | 1         | 04/22/25    | 04/22/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 67.6  |           | 0.91     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 22.7  |           | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 39.0  |           | 40 - 140 | 78%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 36.1  |           | 40 - 140 | 72%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB167690BSD | Acq On:            | 22 Apr 2025 14:47 |
| Client Sample ID: | PB167690BSD | Operator:          | YP\AJ             |
| Data file:        | FG015736.D  | Misc:              |                   |
| Instrument:       | FID_G       | ALS Vial:          | 23                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.145  | 6.786  | 20874500  | 185.155 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.787  | 10.235 | 26824799  | 232.364 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.236 | 13.612 | 31173162  | 262.035 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.613 | 17.283 | 37863703  | 334.806 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.284 | 22.194 | 33561027  | 340.176 | 600              | ug/ml |
| Aliphatic EPH             | 3.145  | 22.194 | 150297191 | 1350    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.899 | 11.899 | 5230164   | 36.08   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.344 | 13.344 | 4125892   | 39.02   |                  | ug/ml |
| Aliphatic C9-C28          | 3.145  | 17.283 | 116736164 | 1010    | 1200             | ug/ml |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Stockton            | Date Received:  |              |
| Client Sample ID:  | ETGI-275MS          | SDG No.:        | Q1851        |
| Lab Sample ID:     | Q1848-03MS          | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 85.9         |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_NF       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/22/25 09:40 | 04/22/25 16:15  | PB167690      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 98.4  | E         | 1        | 1.37 | 2.33       | mg/kg             | FG015739.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 131   | E         | 1        | 1.06 | 4.65       | mg/kg             | FG015739.D |
| Total AliphaticEPH | Total AliphaticEPH | 230   |           |          | 2.43 | 6.98       | mg/kg             |            |
| Total EPH          | Total EPH          | 230   |           |          | 2.43 | 6.98       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                 |          |                 |        |    |
|--------------------|-----------------|----------|-----------------|--------|----|
| Client:            | G Environmental |          | Date Collected: |        |    |
| Project:           | Stockton        |          | Date Received:  |        |    |
| Client Sample ID:  | ETGI-275MS      |          | SDG No.:        | Q1851  |    |
| Lab Sample ID:     | Q1848-03MS      |          | Matrix:         | Solid  |    |
| Analytical Method: | NJEPH           |          | % Solid:        | 85.9   |    |
| Sample Wt/Vol:     | 30.02           | Units: g | Final Vol:      | 2000   | uL |
| Soil Aliquot Vol:  |                 | uL       | Test:           | EPH_NF |    |
| Prep Method :      |                 |          |                 |        |    |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015739.D | 1         | 04/22/25    | 04/22/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 131   | E         | 1.06     | 4.65       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 98.4  | E         | 1.37     | 2.33       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 32.0  |           | 40 - 140 | 64%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 23.3  |           | 40 - 140 | 47%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1848-03MS | Acq On:            | 22 Apr 2025 16:15 |
| Client Sample ID: | ETGI-275MS | Operator:          | YP\AJ             |
| Data file:        | FG015739.D | Misc:              |                   |
| Instrument:       | FID_G      | ALS Vial:          | 26                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.145  | 6.786  | 15586324  | 138.25  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.787  | 10.235 | 23704538  | 205.336 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.236 | 13.612 | 53703328  | 451.419 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.613 | 17.283 | 101703750 | 899.305 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.284 | 22.194 | 125180156 | 1270    | 600              | ug/ml |
| Aliphatic EPH             | 3.145  | 22.194 | 319878096 | 2960    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.900 | 11.900 | 3382078   | 23.33   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.346 | 13.346 | 3382551   | 31.99   |                  | ug/ml |
| Aliphatic C9-C28          | 3.145  | 17.283 | 194697940 | 1690    | 1200             | ug/ml |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Stockton            | Date Received:  |              |
| Client Sample ID:  | ETGI-275MSD         | SDG No.:        | Q1851        |
| Lab Sample ID:     | Q1848-03MSD         | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 85.9         |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_NF       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/22/25 09:40 | 04/22/25 16:45  | PB167690      |

Datafile

| CAS Number         | Parameter          | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|--------------------|--------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>     |                    |       |           |          |      |            |                   |            |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 95.5  | E         | 1        | 1.37 | 2.33       | mg/kg             | FG015740.D |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 128   | E         | 1        | 1.06 | 4.65       | mg/kg             | FG015740.D |
| Total AliphaticEPH | Total AliphaticEPH | 224   |           |          | 2.43 | 6.98       | mg/kg             |            |
| Total EPH          | Total EPH          | 224   |           |          | 2.43 | 6.98       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Stockton               | Date Received:  |                              |
| Client Sample ID:  | ETGI-275MSD            | SDG No.:        | Q1851                        |
| Lab Sample ID:     | Q1848-03MSD            | Matrix:         | Solid                        |
| Analytical Method: | NJEPH                  | % Solid:        | 85.9                         |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_NF                       |
| Prep Method :      |                        |                 |                              |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FG015740.D | 1         | 04/22/25    | 04/22/25        | PB167690      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 128   | E         | 1.06     | 4.65       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 95.5  | E         | 1.37     | 2.33       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 31.9  |           | 40 - 140 | 64%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 22.7  |           | 40 - 140 | 45%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q1848-03MSD | Acq On:            | 22 Apr 2025 16:45 |
| Client Sample ID: | ETGI-275MSD | Operator:          | YP\AJ             |
| Data file:        | FG015740.D  | Misc:              |                   |
| Instrument:       | FID_G       | ALS Vial:          | 27                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.145  | 6.786  | 15236052  | 135.143 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.787  | 10.235 | 23119551  | 200.268 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.236 | 13.612 | 55300339  | 464.843 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.613 | 17.283 | 96695070  | 855.016 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.284 | 22.194 | 121495899 | 1230    | 600              | ug/ml |
| Aliphatic EPH             | 3.145  | 22.194 | 311846911 | 2890    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.902 | 11.902 | 3294434   | 22.72   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.347 | 13.347 | 3374845   | 31.91   |                  | ug/ml |
| Aliphatic C9-C28          | 3.145  | 17.283 | 190351012 | 1660    | 1200             | ug/ml |



# CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FE041725AL

**AreaCount**

| Parameter Range   | FE053387.D    | FE053388.D    | FE053389.D   | FE053390.D   | FE053391.D   |  |
|-------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 40273090.000  | 19897378.000  | 8360865.000  | 4326048.000  | 2135544.000  |  |
| Aliphatic C12-C16 | 27441716.000  | 13492815.000  | 5715907.000  | 2962308.000  | 1458806.000  |  |
| Aliphatic C16-C21 | 41381922.000  | 20604545.000  | 8806501.000  | 4584729.000  | 2278742.000  |  |
| Aliphatic C21-C28 | 52866206.000  | 26808218.000  | 11424282.000 | 6149304.000  | 2962608.000  |  |
| Aliphatic C28-C40 | 71474370.000  | 36798070.000  | 15512235.000 | 8329821.000  | 4060883.000  |  |
| Aliphatic EPH     | 233437304.000 | 117601026.000 | 49819790.000 | 26352210.000 | 12896583.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD |  |  |  |  |
|-------------------|----------------|-------|--|--|--|--|
| Aliphatic C9-C12  | 138562.3539998 | 3.618 |  |  |  |  |
| Aliphatic C12-C16 | 141806.081     | 3.959 |  |  |  |  |
| Aliphatic C16-C21 | 145363.7646664 | 5.098 |  |  |  |  |
| Aliphatic C21-C28 | 142174.626     | 6.444 |  |  |  |  |
| Aliphatic C28-C40 | 129049.1849998 | 6.424 |  |  |  |  |
| Aliphatic EPH     | 137688.0073328 | 5.4   |  |  |  |  |

**Concentration**

| Parameter Range   | FE053387.D | FE053388.D | FE053389.D | FE053390.D | FE053391.D |  |
|-------------------|------------|------------|------------|------------|------------|--|
| Aliphatic C9-C12  | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C12-C16 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aliphatic C16-C21 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C21-C28 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aliphatic C28-C40 | 600.000    | 300.000    | 120.000    | 60.000     | 30.000     |  |
| Aliphatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

**Response Factor**

| Parameter Range   | FE053387.D    | FE053388.D    | FE053389.D    | FE053390.D    | FE053391.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 134243.633333 | 132649.186666 | 139347.750000 | 144201.600000 | 142369.600000 |  |
| Aliphatic C12-C16 | 137208.580000 | 134928.150000 | 142897.675000 | 148115.400000 | 145880.600000 |  |
| Aliphatic C16-C21 | 137939.740000 | 137363.633333 | 146775.016666 | 152824.300000 | 151916.133333 |  |

Initial Calibration Report for SequenceID : FE041725AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 132165.515000 | 134041.090000 | 142803.525000 | 153732.600000 | 148130.400000 |  |
| Aliphatic C28-C40 | 119123.950000 | 122660.233333 | 129268.625000 | 138830.350000 | 135362.766666 |  |
| Aliphatic EPH     | 129687.391111 | 130667.806666 | 138388.305555 | 146401.166666 | 143295.366666 |  |

Initial Calibration Report for SequenceID : FG041725AL

**AreaCount**

| Parameter Range   | FG015681.D    | FG015682.D   | FG015683.D   | FG015684.D   | FG015685.D  |  |
|-------------------|---------------|--------------|--------------|--------------|-------------|--|
| Aliphatic C9-C12  | 33857214.000  | 16456708.000 | 6899651.000  | 3425968.000  | 1679106.000 |  |
| Aliphatic C12-C16 | 23367762.000  | 11285559.000 | 4730252.000  | 2344772.000  | 1120248.000 |  |
| Aliphatic C16-C21 | 35762999.000  | 17140718.000 | 7258827.000  | 3657776.000  | 1776612.000 |  |
| Aliphatic C21-C28 | 45280898.000  | 21485644.000 | 9113022.000  | 4752581.000  | 2241995.000 |  |
| Aliphatic C28-C40 | 55838428.000  | 27464757.000 | 11914183.000 | 6217198.000  | 3173120.000 |  |
| Aliphatic EPH     | 194107301.000 | 93833386.000 | 39915935.000 | 20398295.000 | 9991081.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD |  |  |  |  |
|-------------------|----------------|-------|--|--|--|--|
| Aliphatic C9-C12  | 112740.4566664 | 1.83  |  |  |  |  |
| Aliphatic C12-C16 | 115442.82      | 2.43  |  |  |  |  |
| Aliphatic C16-C21 | 118965.713333  | 2.493 |  |  |  |  |
| Aliphatic C21-C28 | 113091.503     | 3.605 |  |  |  |  |
| Aliphatic C28-C40 | 98657.7456662  | 6.359 |  |  |  |  |
| Aliphatic EPH     | 109462.035333  | 3.198 |  |  |  |  |

**Concentration**

| Parameter Range   | FG015681.D | FG015682.D | FG015683.D | FG015684.D | FG015685.D |  |
|-------------------|------------|------------|------------|------------|------------|--|
| Aliphatic C9-C12  | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C12-C16 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aliphatic C16-C21 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C21-C28 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aliphatic C28-C40 | 600.000    | 300.000    | 120.000    | 60.000     | 30.000     |  |
| Aliphatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

**Response Factor**

| Parameter Range   | FG015681.D    | FG015682.D    | FG015683.D    | FG015684.D    | FG015685.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 112857.380000 | 109711.386666 | 114994.183333 | 114198.933333 | 111940.400000 |  |
| Aliphatic C12-C16 | 116838.810000 | 112855.590000 | 118256.300000 | 117238.600000 | 112024.800000 |  |
| Aliphatic C16-C21 | 119209.996666 | 114271.453333 | 120980.450000 | 121925.866666 | 118440.800000 |  |

Initial Calibration Report for SequenceID : FG041725AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 113202.245000 | 107428.220000 | 113912.775000 | 118814.525000 | 112099.750000 |  |
| Aliphatic C28-C40 | 93064.046666  | 91549.190000  | 99284.858333  | 103619.966666 | 105770.666666 |  |
| Aliphatic EPH     | 107837.389444 | 104259.317777 | 110877.597222 | 113323.861111 | 111012.011111 |  |

A

B

C

D

E

F

G

H

I

J

Continuing Calibration Report for SequenceID : FE042225AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FE053479.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7941478.000  | 60.000  | 3.123  | 6.764  | 132357.967 | 138562.354 | 4.478  |
| Aliphatic C12-C16 | 5323827.000  | 40.000  | 6.765  | 10.214 | 133095.675 | 141806.081 | 6.142  |
| Aliphatic C16-C21 | 7725953.000  | 60.000  | 10.215 | 13.590 | 128765.883 | 145363.765 | 11.418 |
| Aliphatic C21-C28 | 9836373.000  | 80.000  | 13.591 | 17.259 | 122954.663 | 142174.626 | 13.519 |
| Aliphatic C28-C40 | 14465104.000 | 120.000 | 17.260 | 22.156 | 120542.533 | 129049.185 | 6.592  |
| Aliphatic EPH     | 45292735.000 | 360.000 | 3.123  | 22.156 | 125813.153 | 137688.007 | 8.624  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 22 Apr 2025 21:47 |
| Client Sample ID: |                       | Operator:          | YP\AJ             |
| Data file:        | FE053479.D            | Misc:              |                   |
| Instrument:       | FID_E                 | ALS Vial:          | 2                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.123  | 6.764  | 7941478.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.765  | 10.214 | 5323827.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.215 | 13.590 | 7725953.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.591 | 17.259 | 9836373.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.260 | 22.156 | 14465104.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.123  | 22.156 | 45292735.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FE042225AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FE053489.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7975060.000  | 60.000  | 3.123  | 6.764  | 132917.667 | 138562.354 | 4.074  |
| Aliphatic C12-C16 | 5324738.000  | 40.000  | 6.765  | 10.214 | 133118.450 | 141806.081 | 6.126  |
| Aliphatic C16-C21 | 7738634.000  | 60.000  | 10.215 | 13.590 | 128977.233 | 145363.765 | 11.273 |
| Aliphatic C21-C28 | 9885570.000  | 80.000  | 13.591 | 17.259 | 123569.625 | 142174.626 | 13.086 |
| Aliphatic C28-C40 | 14632618.000 | 120.000 | 17.260 | 22.156 | 121938.483 | 129049.185 | 5.510  |
| Aliphatic EPH     | 45556620.000 | 360.000 | 3.123  | 22.156 | 126546.167 | 137688.007 | 8.092  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 23 Apr 2025 03:49 |
| Client Sample ID: |                       | Operator:          | YP\AJ             |
| Data file:        | FE053489.D            | Misc:              |                   |
| Instrument:       | FID_E                 | ALS Vial:          | 2                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.123  | 6.764  | 7975060.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.765  | 10.214 | 5324738.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.215 | 13.590 | 7738634.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.591 | 17.259 | 9885570.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.260 | 22.156 | 14632618.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.123  | 22.156 | 45556620.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FG042225AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FG015733.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 6745431.000  | 60.000  | 3.145  | 6.786  | 112423.850 | 112740.457 | 0.281  |
| Aliphatic C12-C16 | 4676946.000  | 40.000  | 6.787  | 10.235 | 116923.650 | 115442.820 | -1.283 |
| Aliphatic C16-C21 | 7192390.000  | 60.000  | 10.236 | 13.612 | 119873.167 | 118965.713 | -0.763 |
| Aliphatic C21-C28 | 9129977.000  | 80.000  | 13.613 | 17.283 | 114124.713 | 113091.503 | -0.914 |
| Aliphatic C28-C40 | 11998647.000 | 120.000 | 17.284 | 22.194 | 99988.725  | 98657.746  | -1.349 |
| Aliphatic EPH     | 39743391.000 | 360.000 | 3.145  | 22.194 | 110398.308 | 109462.035 | -0.855 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 22 Apr 2025 12:08 |
| Client Sample ID: |                       | Operator:          | YPAJ              |
| Data file:        | FG015733.D            | Misc:              |                   |
| Instrument:       | FID_G                 | ALS Vial:          | 11                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.145  | 6.786  | 6745431.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.787  | 10.235 | 4676946.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.236 | 13.612 | 7192390.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.613 | 17.283 | 9129977.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.284 | 22.194 | 11998647.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.145  | 22.194 | 39743391.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FG042225AL

| Parameter | AreaCount | Conc. | RT_Min | RT_Max | Response Factor | AVGRF | %DEV |
|-----------|-----------|-------|--------|--------|-----------------|-------|------|
|-----------|-----------|-------|--------|--------|-----------------|-------|------|

File ID : FG015745.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 6114796.000  | 60.000  | 3.145  | 6.786  | 101913.267 | 112740.457 | 9.604  |
| Aliphatic C12-C16 | 4281915.000  | 40.000  | 6.787  | 10.235 | 107047.875 | 115442.820 | 7.272  |
| Aliphatic C16-C21 | 6771038.000  | 60.000  | 10.236 | 13.612 | 112850.633 | 118965.713 | 5.140  |
| Aliphatic C21-C28 | 8957528.000  | 80.000  | 13.613 | 17.283 | 111969.100 | 113091.503 | 0.992  |
| Aliphatic C28-C40 | 12702469.000 | 120.000 | 17.284 | 22.194 | 105853.908 | 98657.746  | -7.294 |
| Aliphatic EPH     | 38827746.000 | 360.000 | 3.145  | 22.194 | 107854.850 | 109462.035 | 1.468  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 22 Apr 2025 19:41 |
| Client Sample ID: |                       | Operator:          | YPAJ              |
| Data file:        | FG015745.D            | Misc:              |                   |
| Instrument:       | FID_G                 | ALS Vial:          | 11                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.145  | 6.786  | 6114796.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.787  | 10.235 | 4281915.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.236 | 13.612 | 6771038.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.613 | 17.283 | 8957528.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.284 | 22.194 | 12702469.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.145  | 22.194 | 38827746.000 | 360.000 | ug/ml |



# SAMPLE RAW DATA

6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
Data File : FE053484.D  
Signal(s) : FID1B.ch  
Acq On : 23 Apr 2025 00:48  
Operator : YP\AJ  
Sample : Q1851-01  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
DP5

Integration File: autoint1.e  
Quant Time: Apr 23 02:56:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
Quant Title : GC Extractables  
QLast Update : Wed Apr 16 18:29:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 9) S ortho-Terphenyl (SURR)    | 11.874 | 4388306  | 24.331 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 48.66%     |
| 12) S 1-chlorooctadecane (S... | 13.318 | 3399308  | 25.147 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 50.29%     |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

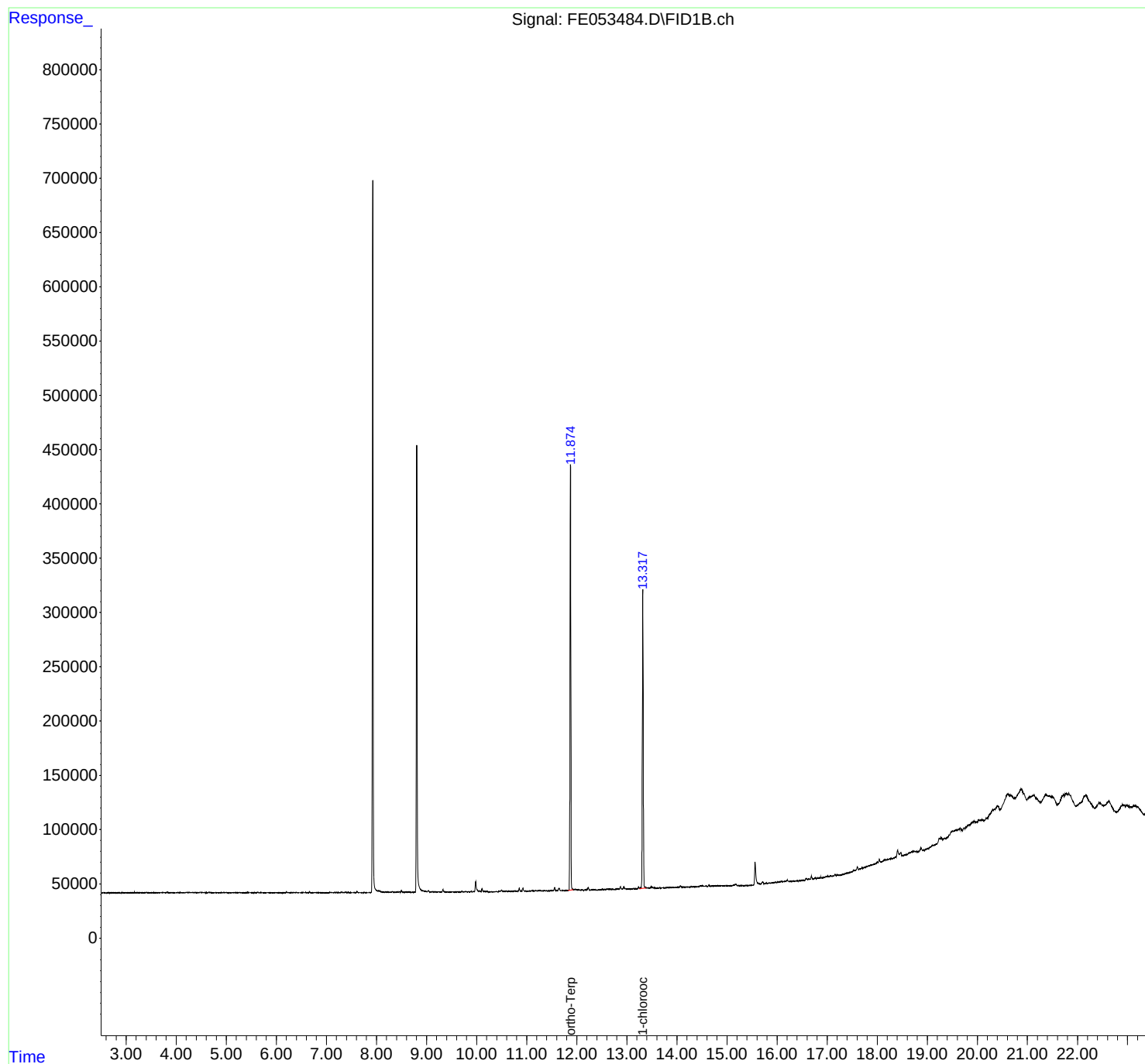
(m)=manual int.

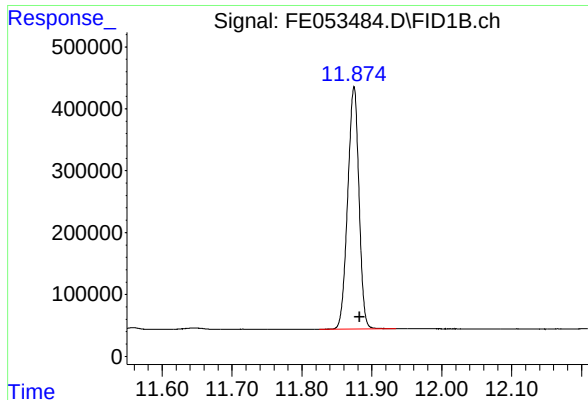
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
Data File : FE053484.D  
Signal(s) : FID1B.ch  
Acq On : 23 Apr 2025 00:48  
Operator : YP\AJ  
Sample : Q1851-01  
Misc :  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
DP5

Integration File: autoint1.e  
Quant Time: Apr 23 02:56:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
Quant Title : GC Extractables  
QLast Update : Wed Apr 16 18:29:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

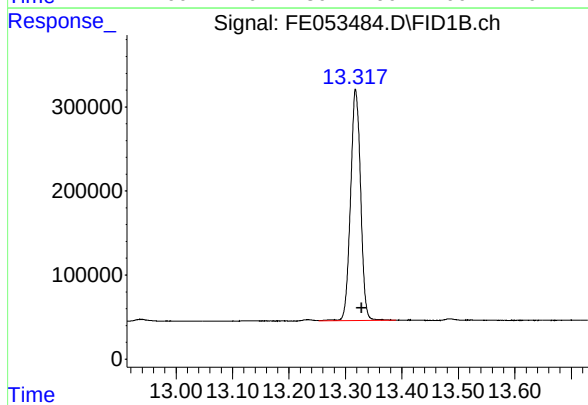




#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min  
Delta R.T.: -0.009 min  
Response: 4388306  
Conc: 24.33 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
DP5



#12 1-chlorooctadecane (SURR)

R.T.: 13.318 min  
Delta R.T.: -0.010 min  
Response: 3399308  
Conc: 25.15 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
 Data File : FE053484.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Apr 2025 00:48  
 Sample : Q1851-01  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
 Title : GC Extractables

Signal : FID1B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.857       | 2.805        | 2.896      | BV       | 99             | 2320         | 0.05%          | 0.005%        |
| 2         | 2.916       | 2.896        | 2.939      | VV       | 239            | 2940         | 0.06%          | 0.006%        |
| 3         | 2.952       | 2.939        | 3.017      | VV       | 130            | 2968         | 0.06%          | 0.006%        |
| 4         | 3.048       | 3.017        | 3.081      | VV       | 151            | 4005         | 0.09%          | 0.008%        |
| 5         | 3.088       | 3.081        | 3.095      | VV       | 145            | 885          | 0.02%          | 0.002%        |
| 6         | 3.116       | 3.095        | 3.133      | VV       | 209            | 3083         | 0.07%          | 0.006%        |
| 7         | 3.145       | 3.133        | 3.154      | VV       | 179            | 1820         | 0.04%          | 0.004%        |
| 8         | 3.163       | 3.154        | 3.198      | VV       | 307            | 4003         | 0.09%          | 0.008%        |
| 9         | 3.222       | 3.198        | 3.268      | VV       | 357            | 7995         | 0.17%          | 0.016%        |
| 10        | 3.286       | 3.268        | 3.304      | VV       | 196            | 3204         | 0.07%          | 0.007%        |
| 11        | 3.317       | 3.304        | 3.349      | VV       | 179            | 3546         | 0.08%          | 0.007%        |
| 12        | 3.415       | 3.349        | 3.443      | VV       | 260            | 10555        | 0.23%          | 0.021%        |
| 13        | 3.474       | 3.443        | 3.501      | VV       | 215            | 6026         | 0.13%          | 0.012%        |
| 14        | 3.506       | 3.501        | 3.513      | VV       | 174            | 1068         | 0.02%          | 0.002%        |
| 15        | 3.553       | 3.513        | 3.625      | VV       | 220            | 12281        | 0.27%          | 0.025%        |
| 16        | 3.631       | 3.625        | 3.637      | VV       | 210            | 1530         | 0.03%          | 0.003%        |
| 17        | 3.645       | 3.637        | 3.663      | VV       | 279            | 3148         | 0.07%          | 0.006%        |
| 18        | 3.677       | 3.663        | 3.694      | VV       | 296            | 4346         | 0.09%          | 0.009%        |
| 19        | 3.708       | 3.694        | 3.751      | VV       | 433            | 9720         | 0.21%          | 0.020%        |
| 20        | 3.824       | 3.751        | 3.885      | VV       | 416            | 20658        | 0.45%          | 0.042%        |
| 21        | 3.909       | 3.885        | 3.965      | VV       | 498            | 11714        | 0.25%          | 0.024%        |
| 22        | 3.979       | 3.965        | 3.995      | VV       | 191            | 3309         | 0.07%          | 0.007%        |
| 23        | 4.018       | 3.995        | 4.035      | VV       | 405            | 6345         | 0.14%          | 0.013%        |
| 24        | 4.057       | 4.035        | 4.111      | VV       | 374            | 12438        | 0.27%          | 0.025%        |
| 25        | 4.127       | 4.111        | 4.182      | VV       | 288            | 8780         | 0.19%          | 0.018%        |
| 26        | 4.204       | 4.182        | 4.241      | VV       | 541            | 11083        | 0.24%          | 0.023%        |
| 27        | 4.257       | 4.241        | 4.269      | VV       | 309            | 4347         | 0.09%          | 0.009%        |
| 28        | 4.276       | 4.269        | 4.305      | VV       | 248            | 5199         | 0.11%          | 0.011%        |
| 29        | 4.314       | 4.305        | 4.365      | VV       | 316            | 8018         | 0.17%          | 0.016%        |
| 30        | 4.379       | 4.365        | 4.408      | VV       | 261            | 5655         | 0.12%          | 0.011%        |
| 31        | 4.415       | 4.408        | 4.451      | VV       | 258            | 5601         | 0.12%          | 0.011%        |
| 32        | 4.483       | 4.451        | 4.509      | VV       | 772            | 12507        | 0.27%          | 0.025%        |
| 33        | 4.520       | 4.509        | 4.575      | VV       | 324            | 9133         | 0.20%          | 0.019%        |
| 34        | 4.605       | 4.575        | 4.623      | VV       | 283            | 6117         | 0.13%          | 0.012%        |
| 35        | 4.656       | 4.623        | 4.705      | VV       | 389            | 11401        | 0.25%          | 0.023%        |
| 36        | 4.710       | 4.705        | 4.750      | VV       | 248            | 4857         | 0.11%          | 0.010%        |

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|    |       |       |       |    | rt   | Area  | %Area | %Area  |
|----|-------|-------|-------|----|------|-------|-------|--------|
| 37 | 4.766 | 4.750 | 4.787 | VV | 240  | 4463  | 0.10% | 0.009% |
| 38 | 4.800 | 4.787 | 4.830 | VV | 253  | 5073  | 0.11% | 0.010% |
| 39 | 4.840 | 4.830 | 4.868 | VV | 178  | 4201  | 0.09% | 0.009% |
| 40 | 4.902 | 4.868 | 4.925 | VV | 428  | 8988  | 0.20% | 0.018% |
| 41 | 4.956 | 4.925 | 5.041 | VV | 337  | 16708 | 0.36% | 0.034% |
| 42 | 5.064 | 5.041 | 5.091 | VV | 252  | 5445  | 0.12% | 0.011% |
| 43 | 5.100 | 5.091 | 5.109 | VV | 200  | 1769  | 0.04% | 0.004% |
| 44 | 5.147 | 5.109 | 5.175 | VV | 294  | 7984  | 0.17% | 0.016% |
| 45 | 5.196 | 5.175 | 5.218 | VV | 294  | 5494  | 0.12% | 0.011% |
| 46 | 5.239 | 5.218 | 5.258 | VV | 231  | 4590  | 0.10% | 0.009% |
| 47 | 5.275 | 5.258 | 5.378 | VV | 264  | 11394 | 0.25% | 0.023% |
| 48 | 5.382 | 5.378 | 5.411 | VV | 149  | 2431  | 0.05% | 0.005% |
| 49 | 5.437 | 5.411 | 5.525 | VV | 403  | 14704 | 0.32% | 0.030% |
| 50 | 5.531 | 5.525 | 5.541 | VV | 136  | 1162  | 0.03% | 0.002% |
| 51 | 5.555 | 5.541 | 5.605 | VV | 189  | 4566  | 0.10% | 0.009% |
| 52 | 5.627 | 5.605 | 5.678 | VV | 697  | 12907 | 0.28% | 0.026% |
| 53 | 5.700 | 5.678 | 5.769 | VV | 279  | 10521 | 0.23% | 0.021% |
| 54 | 5.781 | 5.769 | 5.795 | VV | 260  | 2856  | 0.06% | 0.006% |
| 55 | 5.802 | 5.795 | 5.815 | VV | 223  | 2454  | 0.05% | 0.005% |
| 56 | 5.821 | 5.815 | 5.899 | VV | 213  | 7632  | 0.17% | 0.016% |
| 57 | 5.921 | 5.899 | 5.931 | VV | 226  | 3164  | 0.07% | 0.006% |
| 58 | 5.939 | 5.931 | 5.963 | VV | 206  | 3049  | 0.07% | 0.006% |
| 59 | 5.980 | 5.963 | 5.995 | VV | 247  | 3051  | 0.07% | 0.006% |
| 60 | 6.012 | 5.995 | 6.051 | VV | 275  | 5730  | 0.12% | 0.012% |
| 61 | 6.066 | 6.051 | 6.131 | VV | 153  | 5030  | 0.11% | 0.010% |
| 62 | 6.147 | 6.131 | 6.175 | VV | 136  | 2275  | 0.05% | 0.005% |
| 63 | 6.202 | 6.175 | 6.275 | PV | 793  | 19936 | 0.43% | 0.041% |
| 64 | 6.303 | 6.275 | 6.321 | VV | 239  | 4627  | 0.10% | 0.009% |
| 65 | 6.373 | 6.321 | 6.446 | VV | 467  | 16675 | 0.36% | 0.034% |
| 66 | 6.455 | 6.446 | 6.481 | VV | 163  | 3557  | 0.08% | 0.007% |
| 67 | 6.511 | 6.481 | 6.633 | VV | 374  | 17220 | 0.37% | 0.035% |
| 68 | 6.662 | 6.633 | 6.732 | VV | 760  | 13401 | 0.29% | 0.027% |
| 69 | 6.760 | 6.732 | 6.801 | VV | 210  | 6085  | 0.13% | 0.012% |
| 70 | 6.815 | 6.801 | 6.838 | VV | 256  | 4376  | 0.10% | 0.009% |
| 71 | 6.847 | 6.838 | 6.879 | VV | 183  | 2744  | 0.06% | 0.006% |
| 72 | 6.887 | 6.879 | 6.898 | VV | 59   | 481   | 0.01% | 0.001% |
| 73 | 6.943 | 6.898 | 6.968 | VV | 145  | 2546  | 0.06% | 0.005% |
| 74 | 6.979 | 6.968 | 7.011 | VV | 91   | 1506  | 0.03% | 0.003% |
| 75 | 7.016 | 7.011 | 7.053 | VV | 129  | 1574  | 0.03% | 0.003% |
| 76 | 7.072 | 7.053 | 7.105 | VV | 369  | 5898  | 0.13% | 0.012% |
| 77 | 7.109 | 7.105 | 7.115 | VV | 128  | 627   | 0.01% | 0.001% |
| 78 | 7.131 | 7.115 | 7.180 | VV | 176  | 5098  | 0.11% | 0.010% |
| 79 | 7.190 | 7.180 | 7.221 | VV | 246  | 4819  | 0.10% | 0.010% |
| 80 | 7.238 | 7.221 | 7.267 | VV | 234  | 3899  | 0.08% | 0.008% |
| 81 | 7.303 | 7.267 | 7.331 | VV | 776  | 14884 | 0.32% | 0.030% |
| 82 | 7.342 | 7.331 | 7.368 | VV | 403  | 5597  | 0.12% | 0.011% |
| 83 | 7.385 | 7.368 | 7.418 | VV | 440  | 8040  | 0.17% | 0.016% |
| 84 | 7.438 | 7.418 | 7.465 | VV | 526  | 7772  | 0.17% | 0.016% |
| 85 | 7.488 | 7.465 | 7.535 | VV | 177  | 4567  | 0.10% | 0.009% |
| 86 | 7.555 | 7.535 | 7.569 | VV | 144  | 2030  | 0.04% | 0.004% |
| 87 | 7.613 | 7.569 | 7.669 | VV | 1309 | 18702 | 0.41% | 0.038% |
| 88 | 7.682 | 7.669 | 7.717 | VV | 100  | 1699  | 0.04% | 0.003% |
| 89 | 7.744 | 7.717 | 7.765 | VV | 129  | 2398  | 0.05% | 0.005% |

|     |        |        |        |    | rt   | Area   | Area% | Area%  |
|-----|--------|--------|--------|----|------|--------|-------|--------|
| 90  | 7.786  | 7.765  | 7.821  | VV | 183  | 3263   | 0.07% | 0.007% |
| 91  | 8.039  | 8.028  | 8.125  | VV | 1777 | 63999  | 1.39% | 0.130% |
| 92  | 8.142  | 8.125  | 8.165  | VV | 580  | 11574  | 0.25% | 0.024% |
| 93  | 8.196  | 8.165  | 8.275  | VV | 597  | 26754  | 0.58% | 0.054% |
| 94  | 8.315  | 8.275  | 8.346  | VV | 1032 | 20178  | 0.44% | 0.041% |
| 95  | 8.364  | 8.346  | 8.385  | VV | 284  | 4888   | 0.11% | 0.010% |
| 96  | 8.396  | 8.385  | 8.403  | VV | 248  | 2407   | 0.05% | 0.005% |
| 97  | 8.421  | 8.403  | 8.435  | VV | 564  | 7808   | 0.17% | 0.016% |
| 98  | 8.455  | 8.435  | 8.476  | VV | 595  | 11924  | 0.26% | 0.024% |
| 99  | 8.498  | 8.476  | 8.571  | VV | 1995 | 34760  | 0.76% | 0.071% |
| 100 | 8.605  | 8.571  | 8.630  | VV | 417  | 11149  | 0.24% | 0.023% |
| 101 | 8.649  | 8.630  | 8.678  | VV | 420  | 7367   | 0.16% | 0.015% |
| 102 | 8.689  | 8.678  | 8.715  | VV | 152  | 2139   | 0.05% | 0.004% |
| 103 | 8.739  | 8.715  | 8.771  | VV | 173  | 2887   | 0.06% | 0.006% |
| 104 | 9.039  | 9.008  | 9.071  | VV | 1650 | 33250  | 0.72% | 0.068% |
| 105 | 9.091  | 9.071  | 9.108  | VV | 448  | 8932   | 0.19% | 0.018% |
| 106 | 9.114  | 9.108  | 9.134  | VV | 408  | 5283   | 0.11% | 0.011% |
| 107 | 9.153  | 9.134  | 9.175  | VV | 372  | 7629   | 0.17% | 0.016% |
| 108 | 9.185  | 9.175  | 9.221  | VV | 373  | 7864   | 0.17% | 0.016% |
| 109 | 9.243  | 9.221  | 9.294  | VV | 334  | 11509  | 0.25% | 0.023% |
| 110 | 9.328  | 9.294  | 9.391  | VV | 2380 | 38486  | 0.84% | 0.078% |
| 111 | 9.413  | 9.391  | 9.438  | VV | 291  | 4612   | 0.10% | 0.009% |
| 112 | 9.471  | 9.438  | 9.494  | VV | 155  | 3633   | 0.08% | 0.007% |
| 113 | 9.524  | 9.494  | 9.597  | VV | 288  | 9084   | 0.20% | 0.018% |
| 114 | 9.615  | 9.597  | 9.678  | VV | 264  | 5525   | 0.12% | 0.011% |
| 115 | 9.708  | 9.678  | 9.736  | PV | 672  | 11937  | 0.26% | 0.024% |
| 116 | 9.745  | 9.736  | 9.758  | VV | 198  | 2007   | 0.04% | 0.004% |
| 117 | 9.789  | 9.758  | 9.813  | VV | 532  | 9526   | 0.21% | 0.019% |
| 118 | 9.837  | 9.813  | 9.855  | VV | 396  | 5566   | 0.12% | 0.011% |
| 119 | 9.889  | 9.855  | 9.917  | VV | 366  | 7670   | 0.17% | 0.016% |
| 120 | 9.941  | 9.917  | 9.957  | VV | 478  | 5960   | 0.13% | 0.012% |
| 121 | 9.981  | 9.957  | 10.087 | VV | 9519 | 176827 | 3.84% | 0.359% |
| 122 | 10.111 | 10.087 | 10.167 | VV | 2944 | 44779  | 0.97% | 0.091% |
| 123 | 10.182 | 10.167 | 10.197 | VV | 272  | 4256   | 0.09% | 0.009% |
| 124 | 10.215 | 10.197 | 10.254 | VV | 308  | 5717   | 0.12% | 0.012% |
| 125 | 10.282 | 10.254 | 10.335 | VV | 137  | 3975   | 0.09% | 0.008% |
| 126 | 10.341 | 10.335 | 10.363 | VV | 75   | 789    | 0.02% | 0.002% |
| 127 | 10.389 | 10.363 | 10.420 | PV | 122  | 2060   | 0.04% | 0.004% |
| 128 | 10.453 | 10.420 | 10.474 | VV | 637  | 10329  | 0.22% | 0.021% |
| 129 | 10.500 | 10.474 | 10.530 | VV | 1671 | 26310  | 0.57% | 0.053% |
| 130 | 10.554 | 10.530 | 10.570 | VV | 444  | 7399   | 0.16% | 0.015% |
| 131 | 10.589 | 10.570 | 10.612 | VV | 462  | 7363   | 0.16% | 0.015% |
| 132 | 10.645 | 10.612 | 10.679 | VV | 533  | 9111   | 0.20% | 0.019% |
| 133 | 10.692 | 10.679 | 10.724 | VV | 190  | 3245   | 0.07% | 0.007% |
| 134 | 10.780 | 10.724 | 10.807 | VV | 414  | 12127  | 0.26% | 0.025% |
| 135 | 10.853 | 10.807 | 10.891 | VV | 3137 | 46167  | 1.00% | 0.094% |
| 136 | 10.924 | 10.891 | 11.001 | VV | 2996 | 52354  | 1.14% | 0.106% |
| 137 | 11.015 | 11.001 | 11.034 | VV | 83   | 1191   | 0.03% | 0.002% |
| 138 | 11.085 | 11.034 | 11.097 | VV | 321  | 6672   | 0.14% | 0.014% |
| 139 | 11.118 | 11.097 | 11.153 | VV | 597  | 11100  | 0.24% | 0.023% |
| 140 | 11.188 | 11.153 | 11.211 | VV | 558  | 12294  | 0.27% | 0.025% |
| 141 | 11.241 | 11.211 | 11.266 | VV | 581  | 14155  | 0.31% | 0.029% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 142 | 11.273 | 11.266 | 11.292 | VV | 320    | 3211    | 0.07%  | 0.007% |
| 143 | 11.308 | 11.292 | 11.345 | VV | 359    | 6330    | 0.14%  | 0.013% |
| 144 | 11.361 | 11.345 | 11.384 | VV | 276    | 2890    | 0.06%  | 0.006% |
| 145 | 11.416 | 11.384 | 11.436 | VV | 231    | 4487    | 0.10%  | 0.009% |
| 146 | 11.452 | 11.436 | 11.468 | VV | 193    | 2362    | 0.05%  | 0.005% |
| 147 | 11.489 | 11.468 | 11.515 | VV | 453    | 7450    | 0.16%  | 0.015% |
| 148 | 11.558 | 11.515 | 11.610 | VV | 3035   | 43346   | 0.94%  | 0.088% |
| 149 | 11.646 | 11.610 | 11.693 | VV | 2269   | 43264   | 0.94%  | 0.088% |
| 150 | 11.714 | 11.693 | 11.735 | VV | 327    | 3940    | 0.09%  | 0.008% |
| 151 | 11.752 | 11.735 | 11.789 | VV | 277    | 3432    | 0.07%  | 0.007% |
| 152 | 11.799 | 11.789 | 11.805 | PV | 152    | 666     | 0.01%  | 0.001% |
| 153 | 11.874 | 11.805 | 11.934 | VV | 392323 | 4418715 | 96.02% | 8.982% |
| 154 | 11.951 | 11.934 | 11.964 | VV | 1063   | 16995   | 0.37%  | 0.035% |
| 155 | 11.977 | 11.964 | 12.003 | VV | 1035   | 19778   | 0.43%  | 0.040% |
| 156 | 12.011 | 12.003 | 12.038 | VV | 598    | 10852   | 0.24%  | 0.022% |
| 157 | 12.048 | 12.038 | 12.058 | VV | 496    | 5389    | 0.12%  | 0.011% |
| 158 | 12.064 | 12.058 | 12.085 | VV | 404    | 5880    | 0.13%  | 0.012% |
| 159 | 12.108 | 12.085 | 12.147 | VV | 498    | 9354    | 0.20%  | 0.019% |
| 160 | 12.168 | 12.147 | 12.186 | VV | 416    | 6368    | 0.14%  | 0.013% |
| 161 | 12.229 | 12.186 | 12.262 | VV | 2638   | 46947   | 1.02%  | 0.095% |
| 162 | 12.320 | 12.262 | 12.361 | VV | 621    | 16961   | 0.37%  | 0.034% |
| 163 | 12.370 | 12.361 | 12.410 | VV | 152    | 2912    | 0.06%  | 0.006% |
| 164 | 12.449 | 12.410 | 12.472 | PV | 246    | 5605    | 0.12%  | 0.011% |
| 165 | 12.510 | 12.472 | 12.532 | VV | 473    | 10577   | 0.23%  | 0.022% |
| 166 | 12.553 | 12.532 | 12.568 | VV | 387    | 6527    | 0.14%  | 0.013% |
| 167 | 12.590 | 12.568 | 12.602 | VV | 335    | 6274    | 0.14%  | 0.013% |
| 168 | 12.645 | 12.602 | 12.666 | VV | 653    | 14891   | 0.32%  | 0.030% |
| 169 | 12.688 | 12.666 | 12.764 | VV | 391    | 13091   | 0.28%  | 0.027% |
| 170 | 12.810 | 12.764 | 12.837 | PV | 545    | 14848   | 0.32%  | 0.030% |
| 171 | 12.872 | 12.837 | 12.915 | VV | 2519   | 39269   | 0.85%  | 0.080% |
| 172 | 12.938 | 12.915 | 12.974 | VV | 2308   | 38963   | 0.85%  | 0.079% |
| 173 | 12.983 | 12.974 | 13.008 | VV | 306    | 4743    | 0.10%  | 0.010% |
| 174 | 13.021 | 13.008 | 13.060 | VV | 179    | 3059    | 0.07%  | 0.006% |
| 175 | 13.128 | 13.060 | 13.151 | VV | 451    | 9080    | 0.20%  | 0.018% |
| 176 | 13.165 | 13.151 | 13.175 | VV | 122    | 1850    | 0.04%  | 0.004% |
| 177 | 13.193 | 13.175 | 13.211 | VV | 199    | 1949    | 0.04%  | 0.004% |
| 178 | 13.233 | 13.211 | 13.253 | PV | 1614   | 21462   | 0.47%  | 0.044% |
| 179 | 13.274 | 13.253 | 13.283 | VV | 1367   | 18259   | 0.40%  | 0.037% |
| 180 | 13.318 | 13.283 | 13.403 | VV | 275317 | 3429917 | 74.53% | 6.972% |
| 181 | 13.415 | 13.403 | 13.461 | VV | 954    | 23411   | 0.51%  | 0.048% |
| 182 | 13.485 | 13.461 | 13.508 | VV | 2216   | 33349   | 0.72%  | 0.068% |
| 183 | 13.521 | 13.508 | 13.550 | VV | 759    | 15885   | 0.35%  | 0.032% |
| 184 | 13.560 | 13.550 | 13.590 | VV | 537    | 9210    | 0.20%  | 0.019% |
| 185 | 13.620 | 13.590 | 13.635 | VV | 341    | 8445    | 0.18%  | 0.017% |
| 186 | 13.654 | 13.635 | 13.673 | VV | 384    | 7363    | 0.16%  | 0.015% |
| 187 | 13.703 | 13.673 | 13.734 | VV | 512    | 13567   | 0.29%  | 0.028% |
| 188 | 13.760 | 13.734 | 13.771 | VV | 331    | 6663    | 0.14%  | 0.014% |
| 189 | 13.832 | 13.771 | 13.853 | VV | 559    | 19727   | 0.43%  | 0.040% |
| 190 | 13.930 | 13.853 | 13.958 | VV | 541    | 25750   | 0.56%  | 0.052% |
| 191 | 13.979 | 13.958 | 13.998 | VV | 558    | 11962   | 0.26%  | 0.024% |
| 192 | 14.023 | 13.998 | 14.043 | VV | 700    | 14602   | 0.32%  | 0.030% |
| 193 | 14.072 | 14.043 | 14.095 | VV | 1736   | 29061   | 0.63%  | 0.059% |
| 194 | 14.105 | 14.095 | 14.135 | VV | 589    | 11713   | 0.25%  | 0.024% |

|     |        |        |        |    |        |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
|     |        |        |        |    | rteres |        |       |        |
| 195 | 14.149 | 14.135 | 14.159 | VV | 449    | 5893   | 0.13% | 0.012% |
| 196 | 14.168 | 14.159 | 14.193 | VV | 452    | 7197   | 0.16% | 0.015% |
| 197 | 14.231 | 14.193 | 14.256 | VV | 418    | 12583  | 0.27% | 0.026% |
| 198 | 14.293 | 14.256 | 14.328 | VV | 746    | 21671  | 0.47% | 0.044% |
| 199 | 14.467 | 14.328 | 14.490 | VV | 1383   | 56551  | 1.23% | 0.115% |
| 200 | 14.511 | 14.490 | 14.553 | VV | 1196   | 33560  | 0.73% | 0.068% |
| 201 | 14.578 | 14.553 | 14.610 | VV | 1115   | 26119  | 0.57% | 0.053% |
| 202 | 14.637 | 14.610 | 14.716 | VV | 1628   | 53374  | 1.16% | 0.108% |
| 203 | 14.749 | 14.716 | 14.789 | VV | 867    | 32106  | 0.70% | 0.065% |
| 204 | 14.810 | 14.789 | 14.838 | VV | 857    | 20369  | 0.44% | 0.041% |
| 205 | 14.887 | 14.838 | 14.908 | VV | 755    | 25379  | 0.55% | 0.052% |
| 206 | 14.918 | 14.908 | 14.976 | VV | 595    | 17807  | 0.39% | 0.036% |
| 207 | 15.023 | 14.976 | 15.063 | VV | 735    | 24868  | 0.54% | 0.051% |
| 208 | 15.177 | 15.063 | 15.206 | VV | 1766   | 71046  | 1.54% | 0.144% |
| 209 | 15.224 | 15.206 | 15.261 | VV | 607    | 10796  | 0.23% | 0.022% |
| 210 | 15.285 | 15.261 | 15.301 | VV | 232    | 4638   | 0.10% | 0.009% |
| 211 | 15.324 | 15.301 | 15.347 | VV | 155    | 2712   | 0.06% | 0.006% |
| 212 | 15.371 | 15.347 | 15.398 | PV | 289    | 3846   | 0.08% | 0.008% |
| 213 | 15.437 | 15.398 | 15.448 | PV | 33     | 1248   | 0.03% | 0.003% |
| 214 | 15.560 | 15.448 | 15.671 | PV | 20698  | 389318 | 8.46% | 0.791% |
| 215 | 15.712 | 15.671 | 15.738 | VV | 1995   | 46143  | 1.00% | 0.094% |
| 216 | 15.766 | 15.738 | 15.778 | VV | 596    | 11583  | 0.25% | 0.024% |
| 217 | 15.782 | 15.778 | 15.788 | VV | 601    | 2971   | 0.06% | 0.006% |
| 218 | 15.802 | 15.788 | 15.810 | VV | 555    | 6422   | 0.14% | 0.013% |
| 219 | 15.835 | 15.810 | 15.853 | VV | 547    | 12228  | 0.27% | 0.025% |
| 220 | 16.082 | 15.853 | 16.111 | VV | 1260   | 104148 | 2.26% | 0.212% |
| 221 | 16.203 | 16.111 | 16.244 | VV | 1882   | 71674  | 1.56% | 0.146% |
| 222 | 16.262 | 16.244 | 16.290 | VV | 462    | 10503  | 0.23% | 0.021% |
| 223 | 16.333 | 16.290 | 16.358 | VV | 365    | 10605  | 0.23% | 0.022% |
| 224 | 16.398 | 16.358 | 16.421 | VV | 304    | 8595   | 0.19% | 0.017% |
| 225 | 16.580 | 16.421 | 16.621 | PV | 1434   | 33713  | 0.73% | 0.069% |
| 226 | 16.643 | 16.621 | 16.660 | VV | 439    | 7937   | 0.17% | 0.016% |
| 227 | 16.687 | 16.660 | 16.738 | VV | 2750   | 46496  | 1.01% | 0.095% |
| 228 | 16.767 | 16.738 | 16.795 | VV | 753    | 13417  | 0.29% | 0.027% |
| 229 | 16.841 | 16.795 | 16.862 | PV | 408    | 12514  | 0.27% | 0.025% |
| 230 | 16.899 | 16.862 | 16.911 | VV | 204    | 6113   | 0.13% | 0.012% |
| 231 | 17.009 | 16.911 | 17.037 | VV | 1031   | 24855  | 0.54% | 0.051% |
| 232 | 17.071 | 17.037 | 17.104 | VV | 739    | 15638  | 0.34% | 0.032% |
| 233 | 17.155 | 17.104 | 17.180 | VV | 1550   | 26629  | 0.58% | 0.054% |
| 234 | 17.200 | 17.180 | 17.225 | VV | 873    | 12503  | 0.27% | 0.025% |
| 235 | 17.239 | 17.225 | 17.251 | VV | 233    | 2508   | 0.05% | 0.005% |
| 236 | 17.395 | 17.251 | 17.418 | PV | 431    | 10780  | 0.23% | 0.022% |
| 237 | 17.527 | 17.418 | 17.537 | PV | 1126   | 29532  | 0.64% | 0.060% |
| 238 | 17.603 | 17.537 | 17.628 | VV | 3701   | 91019  | 1.98% | 0.185% |
| 239 | 18.006 | 17.628 | 18.017 | VV | 3139   | 398862 | 8.67% | 0.811% |
| 240 | 18.043 | 18.017 | 18.072 | VV | 4708   | 112925 | 2.45% | 0.230% |
| 241 | 18.138 | 18.072 | 18.155 | VV | 3706   | 137812 | 2.99% | 0.280% |
| 242 | 18.176 | 18.155 | 18.185 | VV | 3231   | 57715  | 1.25% | 0.117% |
| 243 | 18.285 | 18.185 | 18.302 | VV | 3109   | 217103 | 4.72% | 0.441% |
| 244 | 18.363 | 18.302 | 18.378 | VV | 3582   | 141804 | 3.08% | 0.288% |
| 245 | 18.406 | 18.378 | 18.441 | VV | 9188   | 241201 | 5.24% | 0.490% |
| 246 | 18.465 | 18.441 | 18.511 | VV | 6432   | 195323 | 4.24% | 0.397% |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 247 | 18.555 | 18.511 | 18.570 | VV | 3172   | 105533  | 2.29%   | 0.215% |
| 248 | 18.705 | 18.570 | 18.713 | VV | 4401   | 309024  | 6.72%   | 0.628% |
| 249 | 18.736 | 18.713 | 18.757 | VV | 4364   | 109277  | 2.37%   | 0.222% |
| 250 | 18.771 | 18.757 | 18.801 | VV | 3748   | 89642   | 1.95%   | 0.182% |
| 251 | 18.825 | 18.801 | 18.833 | VV | 3000   | 56382   | 1.23%   | 0.115% |
| 252 | 18.875 | 18.833 | 18.912 | VV | 5906   | 189720  | 4.12%   | 0.386% |
| 253 | 18.931 | 18.912 | 18.943 | VV | 3100   | 53592   | 1.16%   | 0.109% |
| 254 | 19.122 | 18.943 | 19.137 | VV | 5220   | 451771  | 9.82%   | 0.918% |
| 255 | 19.236 | 19.137 | 19.261 | VV | 10249  | 514177  | 11.17%  | 1.045% |
| 256 | 19.278 | 19.261 | 19.311 | VV | 10529  | 280249  | 6.09%   | 0.570% |
| 257 | 19.357 | 19.311 | 19.371 | VV | 8757   | 308365  | 6.70%   | 0.627% |
| 258 | 19.508 | 19.371 | 19.521 | VV | 13405  | 984026  | 21.38%  | 2.000% |
| 259 | 19.581 | 19.521 | 19.600 | VV | 13960  | 641105  | 13.93%  | 1.303% |
| 260 | 19.657 | 19.600 | 19.678 | VV | 14521  | 636243  | 13.83%  | 1.293% |
| 261 | 19.689 | 19.678 | 19.708 | VV | 12774  | 219185  | 4.76%   | 0.446% |
| 262 | 19.730 | 19.708 | 19.749 | VV | 13835  | 318493  | 6.92%   | 0.647% |
| 263 | 19.832 | 19.749 | 19.851 | VV | 15265  | 889198  | 19.32%  | 1.808% |
| 264 | 19.933 | 19.851 | 19.965 | VV | 17451  | 1117921 | 24.29%  | 2.272% |
| 265 | 19.986 | 19.965 | 19.998 | VV | 16169  | 311591  | 6.77%   | 0.633% |
| 266 | 20.022 | 19.998 | 20.073 | VV | 17176  | 757738  | 16.47%  | 1.540% |
| 267 | 20.097 | 20.073 | 20.134 | VV | 16757  | 590765  | 12.84%  | 1.201% |
| 268 | 20.308 | 20.134 | 20.320 | VV | 23503  | 2127988 | 46.24%  | 4.326% |
| 269 | 20.341 | 20.320 | 20.351 | VV | 23705  | 434431  | 9.44%   | 0.883% |
| 270 | 20.407 | 20.351 | 20.448 | VV | 25746  | 1412160 | 30.69%  | 2.871% |
| 271 | 20.618 | 20.448 | 20.648 | VV | 34043  | 3440810 | 74.77%  | 6.994% |
| 272 | 20.669 | 20.648 | 20.741 | VV | 32549  | 1715649 | 37.28%  | 3.488% |
| 273 | 20.876 | 20.741 | 20.990 | VV | 35731  | 4601908 | 100.00% | 9.355% |
| 274 | 21.030 | 20.990 | 21.041 | VV | 26005  | 765354  | 16.63%  | 1.556% |
| 275 | 21.123 | 21.041 | 21.255 | VV | 26631  | 3085837 | 67.06%  | 6.273% |
| 276 | 21.375 | 21.255 | 21.411 | VV | 24295  | 2051760 | 44.58%  | 4.171% |
| 277 | 21.421 | 21.411 | 21.428 | VV | 22701  | 234405  | 5.09%   | 0.476% |
| 278 | 21.438 | 21.428 | 21.478 | VV | 22606  | 646926  | 14.06%  | 1.315% |
| 279 | 21.495 | 21.478 | 21.508 | VV | 21069  | 373962  | 8.13%   | 0.760% |
| 280 | 21.511 | 21.508 | 21.597 | VV | 20719  | 887057  | 19.28%  | 1.803% |
| 281 | 21.724 | 21.597 | 21.733 | VV | 19525  | 1323215 | 28.75%  | 2.690% |
| 282 | 21.764 | 21.733 | 21.804 | VV | 20472  | 844411  | 18.35%  | 1.717% |
| 283 | 21.828 | 21.804 | 21.971 | VV | 19813  | 1379389 | 29.97%  | 2.804% |
| 284 | 22.164 | 21.971 | 22.351 | VV | 14140  | 1820614 | 39.56%  | 3.701% |
| 285 | 22.433 | 22.351 | 22.519 | PV | 3876   | 200113  | 4.35%   | 0.407% |

Sum of corrected areas: 49193737

Aliphatic EPH 041725.M Wed Apr 23 03:40:49 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
 Data File : FE053485.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Apr 2025 01:18  
 Operator : YP\AJ  
 Sample : Q1851-02  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 DP6

Integration File: autoint1.e  
 Quant Time: Apr 23 02:56:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Apr 16 18:29:18 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 9) S ortho-Terphenyl (SURR)    | 11.876 | 6816047  | 37.791 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 75.58%     |
| 12) S 1-chlorooctadecane (S... | 13.320 | 4994683  | 36.950 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 73.90%     |

Target Compounds

(f)=RT Delta > 1/2 Window

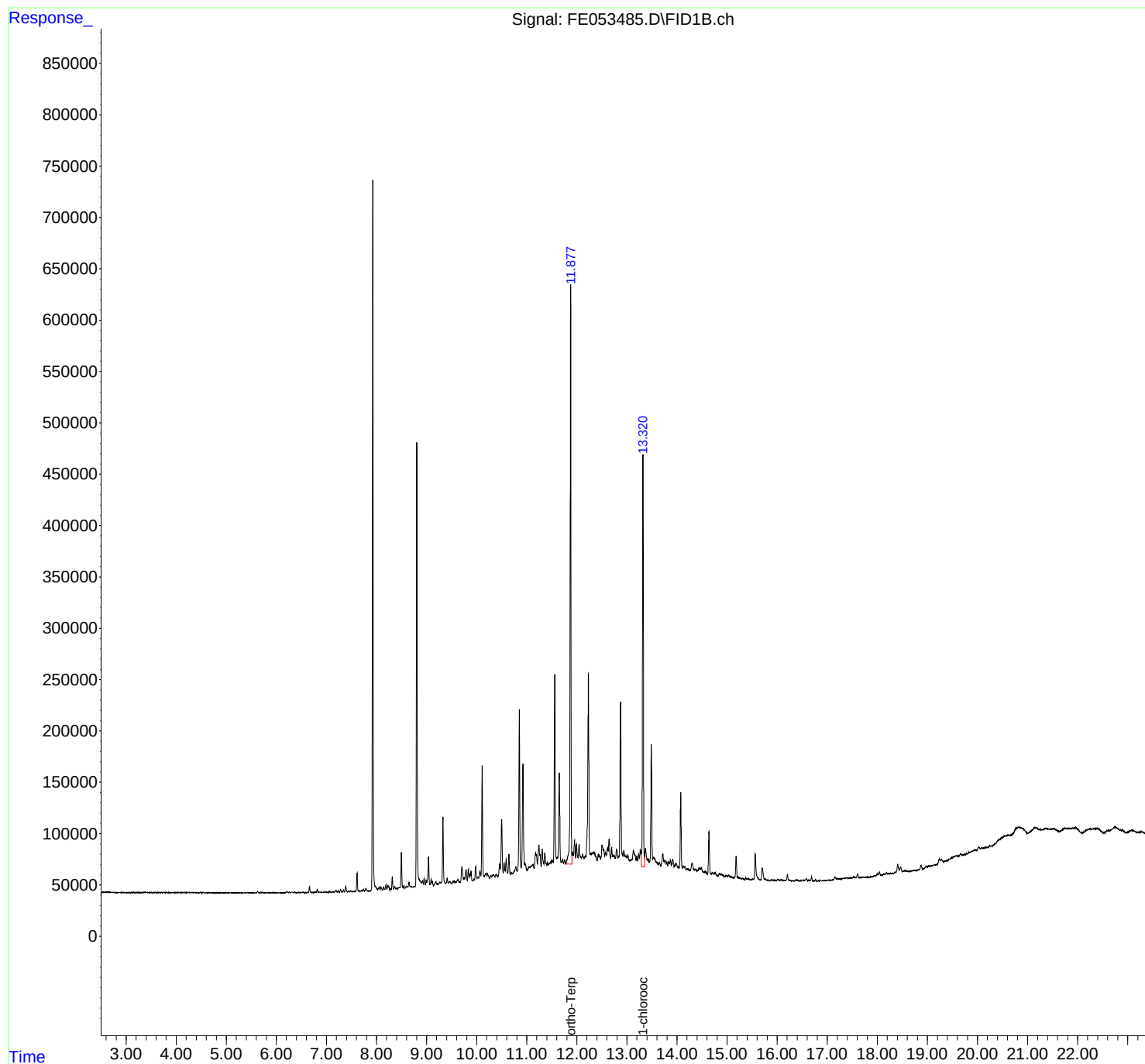
(m)=manual int.

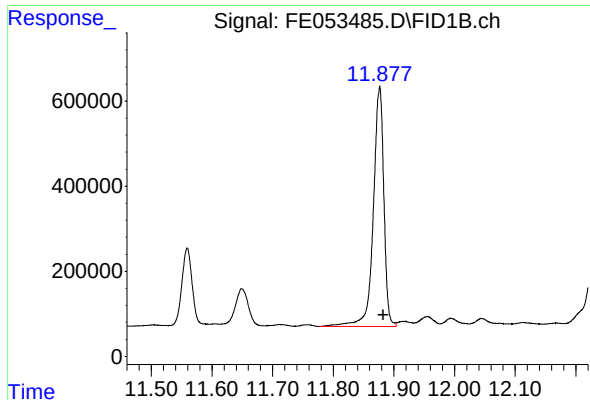
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
Data File : FE053485.D  
Signal(s) : FID1B.ch  
Acq On : 23 Apr 2025 01:18  
Operator : YP\AJ  
Sample : Q1851-02  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
DP6

Integration File: autoint1.e  
Quant Time: Apr 23 02:56:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
Quant Title : GC Extractables  
QLast Update : Wed Apr 16 18:29:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

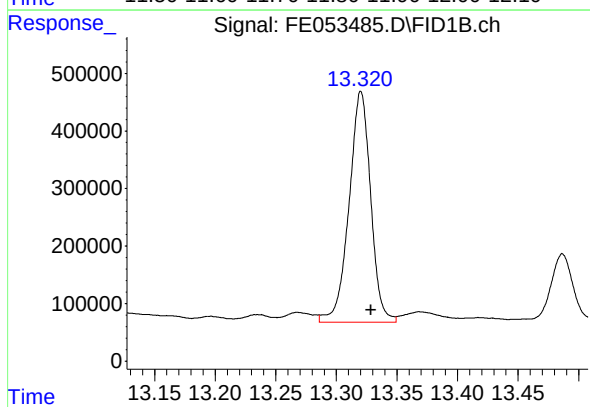




#9 ortho-Terphenyl (SURR)

R.T.: 11.876 min  
Delta R.T.: -0.007 min  
Response: 6816047  
Conc: 37.79 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
DP6



#12 1-chlorooctadecane (SURR)

R.T.: 13.320 min  
Delta R.T.: -0.008 min  
Response: 4994683  
Conc: 36.95 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
 Data File : FE053485.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Apr 2025 01:18  
 Sample : Q1851-02  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
 Title : GC Extractables

Signal : FID1B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.857       | 2.804        | 2.928      | BV       | 152            | 3577         | 0.04%          | 0.003%        |
| 2         | 2.936       | 2.928        | 2.951      | PV       | 38             | 581          | 0.01%          | 0.000%        |
| 3         | 2.963       | 2.951        | 3.005      | VV       | 93             | 1588         | 0.02%          | 0.001%        |
| 4         | 3.035       | 3.005        | 3.048      | VV       | 86             | 1184         | 0.01%          | 0.001%        |
| 5         | 3.061       | 3.048        | 3.085      | VV       | 112            | 1722         | 0.02%          | 0.001%        |
| 6         | 3.130       | 3.085        | 3.188      | PV       | 152            | 6464         | 0.07%          | 0.005%        |
| 7         | 3.199       | 3.188        | 3.204      | VV       | 89             | 795          | 0.01%          | 0.001%        |
| 8         | 3.223       | 3.204        | 3.251      | VV       | 250            | 4185         | 0.05%          | 0.003%        |
| 9         | 3.264       | 3.251        | 3.282      | VV       | 80             | 1263         | 0.01%          | 0.001%        |
| 10        | 3.295       | 3.282        | 3.308      | VV       | 115            | 889          | 0.01%          | 0.001%        |
| 11        | 3.315       | 3.308        | 3.341      | VV       | 85             | 1240         | 0.01%          | 0.001%        |
| 12        | 3.372       | 3.341        | 3.392      | VV       | 128            | 2852         | 0.03%          | 0.002%        |
| 13        | 3.411       | 3.392        | 3.518      | VV       | 182            | 8614         | 0.09%          | 0.007%        |
| 14        | 3.528       | 3.518        | 3.644      | VV       | 129            | 8911         | 0.10%          | 0.007%        |
| 15        | 3.668       | 3.644        | 3.688      | VV       | 181            | 4012         | 0.04%          | 0.003%        |
| 16        | 3.706       | 3.688        | 3.773      | VV       | 358            | 9150         | 0.10%          | 0.007%        |
| 17        | 3.821       | 3.773        | 3.884      | VV       | 210            | 10332        | 0.11%          | 0.008%        |
| 18        | 3.908       | 3.884        | 3.929      | VV       | 318            | 4586         | 0.05%          | 0.004%        |
| 19        | 3.946       | 3.929        | 3.998      | VV       | 116            | 4683         | 0.05%          | 0.004%        |
| 20        | 4.052       | 3.998        | 4.108      | VV       | 378            | 14973        | 0.16%          | 0.012%        |
| 21        | 4.127       | 4.108        | 4.154      | VV       | 239            | 4631         | 0.05%          | 0.004%        |
| 22        | 4.207       | 4.154        | 4.402      | VV       | 231            | 22079        | 0.24%          | 0.017%        |
| 23        | 4.482       | 4.402        | 4.534      | VV       | 563            | 13290        | 0.15%          | 0.010%        |
| 24        | 4.548       | 4.534        | 4.578      | VV       | 177            | 3300         | 0.04%          | 0.003%        |
| 25        | 4.605       | 4.578        | 4.625      | VV       | 186            | 3460         | 0.04%          | 0.003%        |
| 26        | 4.655       | 4.625        | 4.751      | VV       | 325            | 9260         | 0.10%          | 0.007%        |
| 27        | 4.767       | 4.751        | 4.868      | VV       | 240            | 7471         | 0.08%          | 0.006%        |
| 28        | 4.905       | 4.868        | 5.041      | VV       | 151            | 10131        | 0.11%          | 0.008%        |
| 29        | 5.062       | 5.041        | 5.114      | VV       | 84             | 2217         | 0.02%          | 0.002%        |
| 30        | 5.157       | 5.114        | 5.181      | VV       | 201            | 5120         | 0.06%          | 0.004%        |
| 31        | 5.195       | 5.181        | 5.218      | VV       | 187            | 2587         | 0.03%          | 0.002%        |
| 32        | 5.238       | 5.218        | 5.280      | VV       | 234            | 4486         | 0.05%          | 0.003%        |
| 33        | 5.305       | 5.280        | 5.361      | VV       | 262            | 4620         | 0.05%          | 0.004%        |
| 34        | 5.437       | 5.361        | 5.604      | PV       | 389            | 16520        | 0.18%          | 0.013%        |
| 35        | 5.626       | 5.604        | 5.660      | PV       | 1628           | 20370        | 0.22%          | 0.016%        |
| 36        | 5.699       | 5.660        | 5.798      | VV       | 372            | 21336        | 0.23%          | 0.017%        |

Page 1

|    |       |       |       |    | rterres |         |        |        |
|----|-------|-------|-------|----|---------|---------|--------|--------|
| 37 | 5.824 | 5.798 | 5.867 | VV | 370     | 10076   | 0.11%  | 0.008% |
| 38 | 5.888 | 5.867 | 5.905 | VV | 269     | 4105    | 0.05%  | 0.003% |
| 39 | 5.930 | 5.905 | 5.974 | VV | 456     | 9460    | 0.10%  | 0.007% |
| 40 | 5.998 | 5.974 | 6.041 | VV | 181     | 5651    | 0.06%  | 0.004% |
| 41 | 6.058 | 6.041 | 6.088 | VV | 202     | 2573    | 0.03%  | 0.002% |
| 42 | 6.105 | 6.088 | 6.134 | VV | 226     | 2736    | 0.03%  | 0.002% |
| 43 | 6.208 | 6.134 | 6.241 | PV | 961     | 24153   | 0.27%  | 0.019% |
| 44 | 6.260 | 6.241 | 6.281 | VV | 603     | 8137    | 0.09%  | 0.006% |
| 45 | 6.305 | 6.281 | 6.332 | VV | 956     | 13380   | 0.15%  | 0.010% |
| 46 | 6.369 | 6.332 | 6.405 | VV | 1019    | 16907   | 0.19%  | 0.013% |
| 47 | 6.455 | 6.405 | 6.474 | VV | 320     | 7886    | 0.09%  | 0.006% |
| 48 | 6.533 | 6.474 | 6.568 | VV | 581     | 17550   | 0.19%  | 0.014% |
| 49 | 6.608 | 6.568 | 6.634 | VV | 236     | 6357    | 0.07%  | 0.005% |
| 50 | 6.662 | 6.634 | 6.734 | PV | 6280    | 75895   | 0.83%  | 0.059% |
| 51 | 6.815 | 6.734 | 6.874 | VV | 3333    | 61556   | 0.68%  | 0.048% |
| 52 | 6.889 | 6.874 | 6.921 | VV | 597     | 7731    | 0.09%  | 0.006% |
| 53 | 6.948 | 6.921 | 6.974 | VV | 507     | 9507    | 0.10%  | 0.007% |
| 54 | 6.992 | 6.974 | 7.041 | VV | 446     | 10390   | 0.11%  | 0.008% |
| 55 | 7.067 | 7.041 | 7.104 | VV | 662     | 11231   | 0.12%  | 0.009% |
| 56 | 7.133 | 7.104 | 7.151 | PV | 441     | 8073    | 0.09%  | 0.006% |
| 57 | 7.191 | 7.151 | 7.218 | VV | 1510    | 34809   | 0.38%  | 0.027% |
| 58 | 7.237 | 7.218 | 7.259 | VV | 1706    | 19878   | 0.22%  | 0.015% |
| 59 | 7.283 | 7.259 | 7.318 | VV | 2563    | 35820   | 0.39%  | 0.028% |
| 60 | 7.341 | 7.318 | 7.360 | VV | 2233    | 25403   | 0.28%  | 0.020% |
| 61 | 7.386 | 7.360 | 7.419 | VV | 5884    | 76834   | 0.84%  | 0.060% |
| 62 | 7.438 | 7.419 | 7.460 | VV | 787     | 11237   | 0.12%  | 0.009% |
| 63 | 7.484 | 7.460 | 7.504 | PV | 1390    | 16211   | 0.18%  | 0.013% |
| 64 | 7.529 | 7.504 | 7.544 | VV | 455     | 8034    | 0.09%  | 0.006% |
| 65 | 7.612 | 7.544 | 7.682 | VV | 18042   | 227073  | 2.50%  | 0.177% |
| 66 | 7.739 | 7.682 | 7.761 | VV | 1711    | 48612   | 0.53%  | 0.038% |
| 67 | 7.788 | 7.761 | 7.854 | VV | 3367    | 64727   | 0.71%  | 0.050% |
| 68 | 8.073 | 8.020 | 8.118 | VV | 4622    | 174203  | 1.92%  | 0.136% |
| 69 | 8.143 | 8.118 | 8.163 | VV | 4324    | 72049   | 0.79%  | 0.056% |
| 70 | 8.188 | 8.163 | 8.207 | VV | 6162    | 92973   | 1.02%  | 0.072% |
| 71 | 8.242 | 8.207 | 8.269 | VV | 5070    | 133927  | 1.47%  | 0.104% |
| 72 | 8.315 | 8.269 | 8.341 | VV | 13666   | 199811  | 2.20%  | 0.156% |
| 73 | 8.364 | 8.341 | 8.388 | VV | 4479    | 81504   | 0.90%  | 0.063% |
| 74 | 8.497 | 8.388 | 8.528 | VV | 37434   | 610897  | 6.72%  | 0.476% |
| 75 | 8.546 | 8.528 | 8.568 | VV | 4896    | 89252   | 0.98%  | 0.069% |
| 76 | 8.650 | 8.568 | 8.728 | VV | 8391    | 394228  | 4.33%  | 0.307% |
| 77 | 8.748 | 8.728 | 8.766 | VV | 4134    | 85581   | 0.94%  | 0.067% |
| 78 | 8.918 | 8.899 | 8.934 | VV | 8989    | 165837  | 1.82%  | 0.129% |
| 79 | 8.951 | 8.934 | 8.973 | VV | 11571   | 193109  | 2.12%  | 0.150% |
| 80 | 9.039 | 8.973 | 9.068 | VV | 32510   | 710852  | 7.82%  | 0.553% |
| 81 | 9.091 | 9.068 | 9.140 | VV | 10614   | 307577  | 3.38%  | 0.239% |
| 82 | 9.185 | 9.140 | 9.231 | VV | 8122    | 333131  | 3.66%  | 0.259% |
| 83 | 9.266 | 9.231 | 9.286 | VV | 7642    | 222679  | 2.45%  | 0.173% |
| 84 | 9.327 | 9.286 | 9.380 | VV | 70915   | 1105050 | 12.15% | 0.860% |
| 85 | 9.411 | 9.380 | 9.434 | VV | 11072   | 260623  | 2.87%  | 0.203% |
| 86 | 9.457 | 9.434 | 9.497 | VV | 8174    | 261961  | 2.88%  | 0.204% |
| 87 | 9.531 | 9.497 | 9.581 | VV | 8414    | 369548  | 4.06%  | 0.288% |
| 88 | 9.626 | 9.581 | 9.670 | VV | 9369    | 420621  | 4.62%  | 0.327% |
| 89 | 9.707 | 9.670 | 9.760 | VV | 21805   | 699326  | 7.69%  | 0.544% |

| rteres |        |        |        |    |        |         |         |        |
|--------|--------|--------|--------|----|--------|---------|---------|--------|
| 90     | 9.787  | 9.760  | 9.812  | VV | 19399  | 434168  | 4.77%   | 0.338% |
| 91     | 9.835  | 9.812  | 9.874  | VV | 19585  | 519594  | 5.71%   | 0.404% |
| 92     | 9.887  | 9.874  | 9.914  | VV | 17475  | 303583  | 3.34%   | 0.236% |
| 93     | 9.980  | 9.914  | 10.008 | VV | 21667  | 663447  | 7.29%   | 0.516% |
| 94     | 10.024 | 10.008 | 10.037 | VV | 11647  | 197827  | 2.17%   | 0.154% |
| 95     | 10.065 | 10.037 | 10.084 | VV | 17245  | 398022  | 4.38%   | 0.310% |
| 96     | 10.110 | 10.084 | 10.152 | VV | 119608 | 1652524 | 18.17%  | 1.286% |
| 97     | 10.186 | 10.152 | 10.258 | VV | 14852  | 835104  | 9.18%   | 0.650% |
| 98     | 10.284 | 10.258 | 10.301 | VV | 12774  | 306211  | 3.37%   | 0.238% |
| 99     | 10.340 | 10.301 | 10.364 | VV | 13699  | 478192  | 5.26%   | 0.372% |
| 100    | 10.387 | 10.364 | 10.411 | VV | 14213  | 361126  | 3.97%   | 0.281% |
| 101    | 10.500 | 10.411 | 10.530 | VV | 67486  | 1902052 | 20.91%  | 1.481% |
| 102    | 10.550 | 10.530 | 10.568 | VV | 24388  | 450967  | 4.96%   | 0.351% |
| 103    | 10.590 | 10.568 | 10.618 | VV | 28400  | 619569  | 6.81%   | 0.482% |
| 104    | 10.645 | 10.618 | 10.674 | VV | 32968  | 694267  | 7.63%   | 0.540% |
| 105    | 10.693 | 10.674 | 10.721 | VV | 15024  | 403995  | 4.44%   | 0.314% |
| 106    | 10.782 | 10.721 | 10.804 | VV | 20898  | 863973  | 9.50%   | 0.673% |
| 107    | 10.853 | 10.804 | 10.889 | VV | 174699 | 2716662 | 29.87%  | 2.115% |
| 108    | 10.925 | 10.889 | 11.004 | VV | 121212 | 2795602 | 30.74%  | 2.176% |
| 109    | 11.119 | 11.004 | 11.146 | VV | 22276  | 1732118 | 19.04%  | 1.348% |
| 110    | 11.179 | 11.146 | 11.213 | VV | 33662  | 1110657 | 12.21%  | 0.865% |
| 111    | 11.244 | 11.213 | 11.288 | VV | 41290  | 1411693 | 15.52%  | 1.099% |
| 112    | 11.309 | 11.288 | 11.341 | VV | 37455  | 901007  | 9.91%   | 0.701% |
| 113    | 11.362 | 11.341 | 11.398 | VV | 33713  | 901300  | 9.91%   | 0.702% |
| 114    | 11.413 | 11.398 | 11.438 | VV | 23432  | 544469  | 5.99%   | 0.424% |
| 115    | 11.504 | 11.438 | 11.528 | VV | 26189  | 1313348 | 14.44%  | 1.022% |
| 116    | 11.559 | 11.528 | 11.614 | VV | 205878 | 3461993 | 38.06%  | 2.695% |
| 117    | 11.650 | 11.614 | 11.688 | VV | 110371 | 2361069 | 25.96%  | 1.838% |
| 118    | 11.713 | 11.688 | 11.737 | VV | 26671  | 736255  | 8.09%   | 0.573% |
| 119    | 11.756 | 11.737 | 11.778 | VV | 26325  | 602382  | 6.62%   | 0.469% |
| 120    | 11.876 | 11.778 | 11.934 | VV | 579246 | 9095544 | 100.00% | 7.080% |
| 121    | 11.955 | 11.934 | 11.976 | VV | 45275  | 939244  | 10.33%  | 0.731% |
| 122    | 11.995 | 11.976 | 12.024 | VV | 41341  | 966131  | 10.62%  | 0.752% |
| 123    | 12.045 | 12.024 | 12.094 | VV | 40832  | 1340341 | 14.74%  | 1.043% |
| 124    | 12.115 | 12.094 | 12.145 | VV | 31020  | 884704  | 9.73%   | 0.689% |
| 125    | 12.231 | 12.145 | 12.281 | VV | 207456 | 4902778 | 53.90%  | 3.817% |
| 126    | 12.302 | 12.281 | 12.324 | VV | 32649  | 831948  | 9.15%   | 0.648% |
| 127    | 12.338 | 12.324 | 12.403 | VV | 32780  | 1421514 | 15.63%  | 1.107% |
| 128    | 12.432 | 12.403 | 12.478 | VV | 31108  | 1266707 | 13.93%  | 0.986% |
| 129    | 12.507 | 12.478 | 12.554 | VV | 39568  | 1575823 | 17.33%  | 1.227% |
| 130    | 12.571 | 12.554 | 12.586 | VV | 31659  | 592920  | 6.52%   | 0.462% |
| 131    | 12.644 | 12.586 | 12.674 | VV | 45739  | 1841989 | 20.25%  | 1.434% |
| 132    | 12.697 | 12.674 | 12.768 | VV | 37239  | 1692567 | 18.61%  | 1.318% |
| 133    | 12.795 | 12.768 | 12.838 | VV | 34962  | 1267777 | 13.94%  | 0.987% |
| 134    | 12.873 | 12.838 | 12.917 | VV | 179770 | 3249825 | 35.73%  | 2.530% |
| 135    | 12.936 | 12.917 | 13.001 | VV | 33115  | 1477925 | 16.25%  | 1.150% |
| 136    | 13.019 | 13.001 | 13.071 | VV | 29852  | 1109556 | 12.20%  | 0.864% |
| 137    | 13.130 | 13.071 | 13.181 | VV | 33667  | 1860455 | 20.45%  | 1.448% |
| 138    | 13.196 | 13.181 | 13.214 | VV | 28237  | 520663  | 5.72%   | 0.405% |
| 139    | 13.235 | 13.214 | 13.250 | VV | 31063  | 591011  | 6.50%   | 0.460% |
| 140    | 13.320 | 13.250 | 13.351 | VV | 421405 | 6381602 | 70.16%  | 4.968% |
| 141    | 13.370 | 13.351 | 13.451 | VV | 35457  | 1646181 | 18.10%  | 1.281% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 13.487 | 13.451 | 13.632 | VV | 136568 | 3887216 | 42.74% | 3.026% |
| 143    | 13.650 | 13.632 | 13.678 | VV | 21696  | 549469  | 6.04%  | 0.428% |
| 144    | 13.716 | 13.678 | 13.815 | VV | 29931  | 1877051 | 20.64% | 1.461% |
| 145    | 13.867 | 13.815 | 13.889 | VV | 23513  | 940845  | 10.34% | 0.732% |
| 146    | 13.913 | 13.889 | 13.949 | VV | 24625  | 754560  | 8.30%  | 0.587% |
| 147    | 13.980 | 13.949 | 14.041 | VV | 20529  | 989726  | 10.88% | 0.770% |
| 148    | 14.073 | 14.041 | 14.109 | VV | 87279  | 1573900 | 17.30% | 1.225% |
| 149    | 14.129 | 14.109 | 14.253 | VV | 17682  | 1324582 | 14.56% | 1.031% |
| 150    | 14.302 | 14.253 | 14.391 | VV | 20464  | 1274282 | 14.01% | 0.992% |
| 151    | 14.487 | 14.391 | 14.608 | VV | 15796  | 1654852 | 18.19% | 1.288% |
| 152    | 14.637 | 14.608 | 14.684 | VV | 50578  | 964011  | 10.60% | 0.750% |
| 153    | 14.704 | 14.684 | 14.741 | VV | 10706  | 335909  | 3.69%  | 0.261% |
| 154    | 14.760 | 14.741 | 14.818 | VV | 10686  | 404954  | 4.45%  | 0.315% |
| 155    | 14.844 | 14.818 | 14.874 | VV | 9615   | 293214  | 3.22%  | 0.228% |
| 156    | 14.887 | 14.874 | 14.974 | VV | 9230   | 454776  | 5.00%  | 0.354% |
| 157    | 14.989 | 14.974 | 15.007 | VV | 7709   | 136706  | 1.50%  | 0.106% |
| 158    | 15.031 | 15.007 | 15.128 | VV | 7991   | 453137  | 4.98%  | 0.353% |
| 159    | 15.179 | 15.128 | 15.300 | VV | 26094  | 774940  | 8.52%  | 0.603% |
| 160    | 15.317 | 15.300 | 15.347 | VV | 4264   | 105424  | 1.16%  | 0.082% |
| 161    | 15.374 | 15.347 | 15.404 | VV | 4599   | 132946  | 1.46%  | 0.103% |
| 162    | 15.425 | 15.404 | 15.474 | VV | 3931   | 140221  | 1.54%  | 0.109% |
| 163    | 15.561 | 15.474 | 15.671 | VV | 27780  | 786899  | 8.65%  | 0.613% |
| 164    | 15.703 | 15.671 | 15.854 | VV | 14030  | 465482  | 5.12%  | 0.362% |
| 165    | 15.883 | 15.854 | 15.940 | VV | 2284   | 95843   | 1.05%  | 0.075% |
| 166    | 15.957 | 15.940 | 15.984 | VV | 1842   | 42575   | 0.47%  | 0.033% |
| 167    | 16.016 | 15.984 | 16.054 | VV | 2493   | 84074   | 0.92%  | 0.065% |
| 168    | 16.082 | 16.054 | 16.142 | VV | 2181   | 88142   | 0.97%  | 0.069% |
| 169    | 16.202 | 16.142 | 16.346 | VV | 6946   | 213910  | 2.35%  | 0.167% |
| 170    | 16.384 | 16.346 | 16.468 | VV | 1532   | 74887   | 0.82%  | 0.058% |
| 171    | 16.503 | 16.468 | 16.551 | VV | 1278   | 53000   | 0.58%  | 0.041% |
| 172    | 16.580 | 16.551 | 16.618 | VV | 2424   | 58130   | 0.64%  | 0.045% |
| 173    | 16.637 | 16.618 | 16.661 | VV | 812    | 20667   | 0.23%  | 0.016% |
| 174    | 16.686 | 16.661 | 16.744 | VV | 4132   | 65754   | 0.72%  | 0.051% |
| 175    | 16.766 | 16.744 | 16.801 | VV | 1473   | 21299   | 0.23%  | 0.017% |
| 176    | 16.849 | 16.801 | 16.891 | PV | 442    | 10524   | 0.12%  | 0.008% |
| 177    | 16.912 | 16.891 | 16.934 | PV | 230    | 3642    | 0.04%  | 0.003% |
| 178    | 16.959 | 16.934 | 16.973 | PV | 165    | 2615    | 0.03%  | 0.002% |
| 179    | 17.017 | 16.973 | 17.051 | VV | 466    | 12828   | 0.14%  | 0.010% |
| 180    | 17.077 | 17.051 | 17.101 | VV | 215    | 4799    | 0.05%  | 0.004% |
| 181    | 17.154 | 17.101 | 17.219 | PV | 2995   | 84327   | 0.93%  | 0.066% |
| 182    | 17.235 | 17.219 | 17.251 | VV | 595    | 10687   | 0.12%  | 0.008% |
| 183    | 17.392 | 17.251 | 17.428 | VV | 1396   | 81898   | 0.90%  | 0.064% |
| 184    | 17.480 | 17.428 | 17.501 | VV | 854    | 30597   | 0.34%  | 0.024% |
| 185    | 17.531 | 17.501 | 17.578 | VV | 1367   | 45614   | 0.50%  | 0.036% |
| 186    | 17.604 | 17.578 | 17.671 | VV | 4095   | 79389   | 0.87%  | 0.062% |
| 187    | 17.721 | 17.671 | 17.745 | VV | 650    | 16983   | 0.19%  | 0.013% |
| 188    | 17.766 | 17.745 | 17.791 | VV | 310    | 6140    | 0.07%  | 0.005% |
| 189    | 18.002 | 17.791 | 18.018 | PV | 1891   | 44258   | 0.49%  | 0.034% |
| 190    | 18.041 | 18.018 | 18.071 | VV | 3282   | 52428   | 0.58%  | 0.041% |
| 191    | 18.182 | 18.071 | 18.243 | VV | 2111   | 83502   | 0.92%  | 0.065% |
| 192    | 18.270 | 18.243 | 18.298 | VV | 549    | 14332   | 0.16%  | 0.011% |
| 193    | 18.406 | 18.298 | 18.441 | VV | 8275   | 218740  | 2.40%  | 0.170% |
| 194    | 18.465 | 18.441 | 18.514 | VV | 5628   | 126510  | 1.39%  | 0.098% |

|                         |        |        |        |    | rterres   |         |        |        |
|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|
| 195                     | 18.550 | 18.514 | 18.572 | VV | 1754      | 40979   | 0.45%  | 0.032% |
| 196                     | 18.588 | 18.572 | 18.641 | VV | 794       | 19193   | 0.21%  | 0.015% |
| 197                     | 18.872 | 18.641 | 18.911 | PV | 3746      | 65064   | 0.72%  | 0.051% |
| 198                     | 18.976 | 18.911 | 18.994 | VV | 1779      | 39216   | 0.43%  | 0.031% |
| 199                     | 19.235 | 18.994 | 19.257 | VV | 6678      | 328658  | 3.61%  | 0.256% |
| 200                     | 19.277 | 19.257 | 19.321 | VV | 5979      | 173917  | 1.91%  | 0.135% |
| 201                     | 19.572 | 19.321 | 19.610 | VV | 6411      | 807844  | 8.88%  | 0.629% |
| 202                     | 19.662 | 19.610 | 19.704 | VV | 7540      | 348143  | 3.83%  | 0.271% |
| 203                     | 19.948 | 19.704 | 19.981 | VV | 8248      | 1154268 | 12.69% | 0.899% |
| 204                     | 20.022 | 19.981 | 20.061 | VV | 10213     | 436340  | 4.80%  | 0.340% |
| 205                     | 20.829 | 20.061 | 21.008 | VV | 22111     | 8212295 | 90.29% | 6.393% |
| 206                     | 21.142 | 21.008 | 21.254 | VV | 18446     | 2448353 | 26.92% | 1.906% |
| 207                     | 21.370 | 21.254 | 21.421 | VV | 15579     | 1520007 | 16.71% | 1.183% |
| 208                     | 21.451 | 21.421 | 21.468 | VV | 14291     | 397709  | 4.37%  | 0.310% |
| 209                     | 21.512 | 21.468 | 21.644 | VV | 13932     | 1303946 | 14.34% | 1.015% |
| 210                     | 21.750 | 21.644 | 21.787 | VV | 12139     | 969367  | 10.66% | 0.755% |
| 211                     | 21.826 | 21.787 | 21.864 | VV | 11273     | 512381  | 5.63%  | 0.399% |
| 212                     | 21.914 | 21.864 | 21.938 | VV | 10676     | 464562  | 5.11%  | 0.362% |
| 213                     | 21.960 | 21.938 | 22.081 | VV | 10283     | 668938  | 7.35%  | 0.521% |
| 214                     | 22.243 | 22.081 | 22.281 | VV | 6593      | 675715  | 7.43%  | 0.526% |
| 215                     | 22.339 | 22.281 | 22.368 | VV | 5918      | 307806  | 3.38%  | 0.240% |
| 216                     | 22.394 | 22.368 | 22.521 | VV | 5567      | 302085  | 3.32%  | 0.235% |
| Sum of corrected areas: |        |        |        |    | 128459576 |         |        |        |

Aliphatic EPH 041725.M Wed Apr 23 03:41:12 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
Data File : FE053486.D  
Signal(s) : FID1B.ch  
Acq On : 23 Apr 2025 01:48  
Operator : YP\AJ  
Sample : Q1851-03  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
DP7

Integration File: autoint1.e  
Quant Time: Apr 23 02:56:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
Quant Title : GC Extractables  
QLast Update : Wed Apr 16 18:29:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 9) S ortho-Terphenyl (SURR)    | 11.876 | 6719849  | 37.258 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 74.52%     |
| 12) S 1-chlorooctadecane (S... | 13.321 | 5006127  | 37.034 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 74.07%     |

Target Compounds

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(f)=RT Delta > 1/2 Window

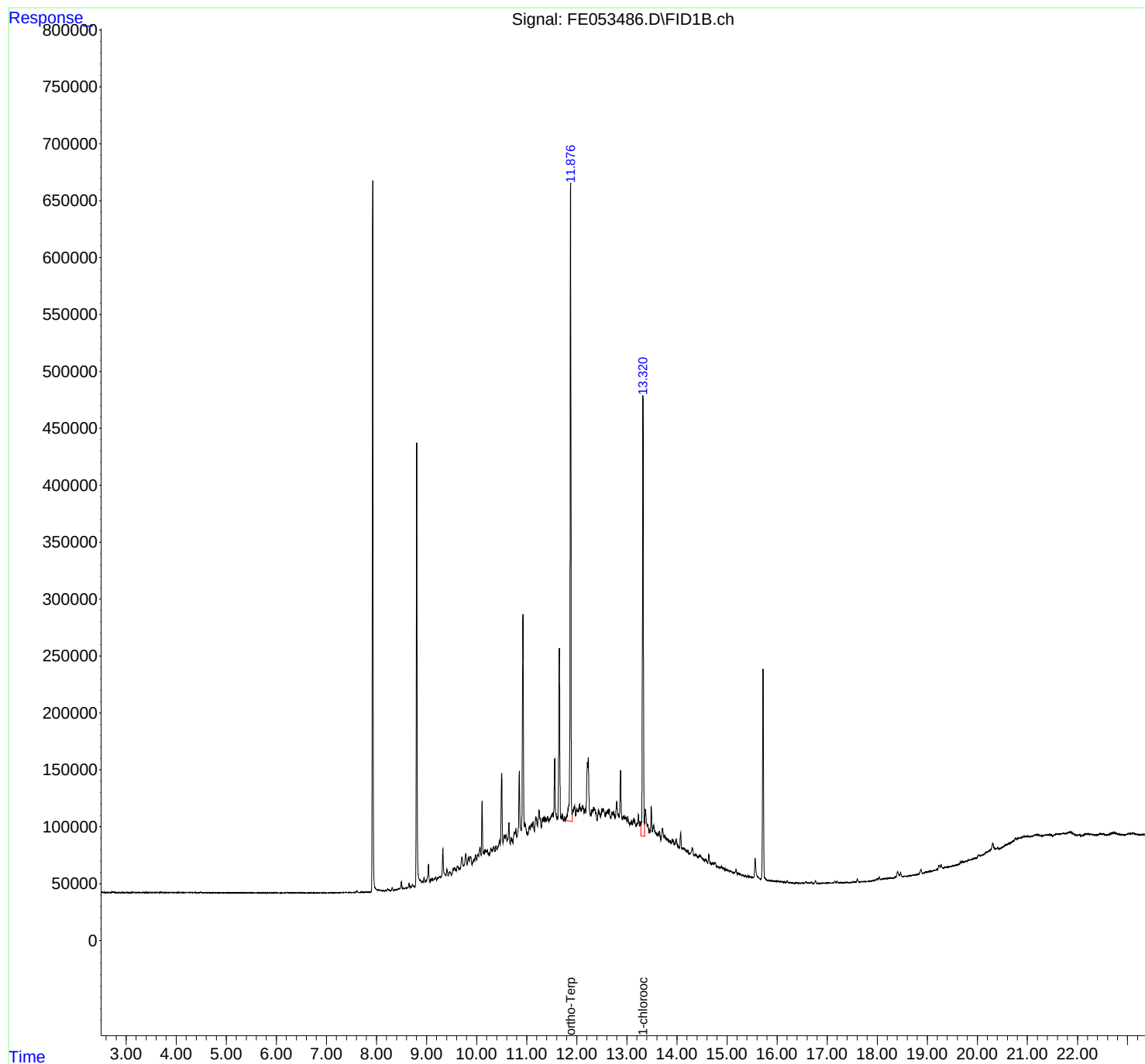
(m)=manual int.

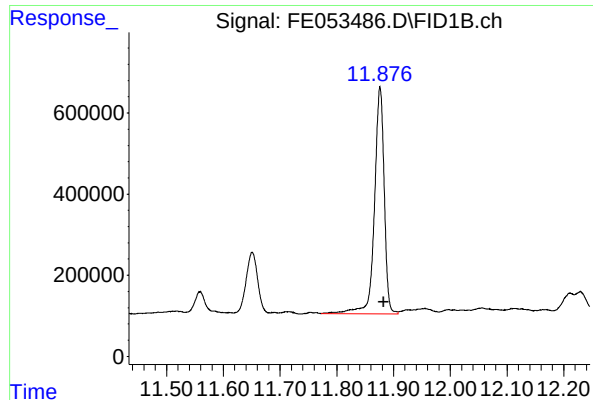
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
Data File : FE053486.D  
Signal(s) : FID1B.ch  
Acq On : 23 Apr 2025 01:48  
Operator : YP\AJ  
Sample : Q1851-03  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
DP7

Integration File: autoint1.e  
Quant Time: Apr 23 02:56:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
Quant Title : GC Extractables  
QLast Update : Wed Apr 16 18:29:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

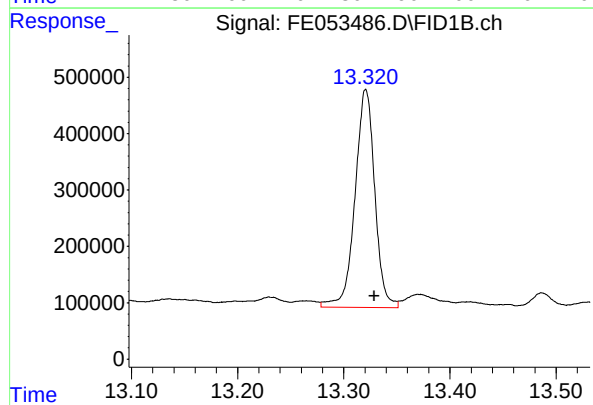




#9 ortho-Terphenyl (SURR)

R.T.: 11.876 min  
Delta R.T.: -0.007 min  
Response: 6719849  
Conc: 37.26 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
DP7



#12 1-chlorooctadecane (SURR)

R.T.: 13.321 min  
Delta R.T.: -0.008 min  
Response: 5006127  
Conc: 37.03 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
 Data File : FE053486.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Apr 2025 01:48  
 Sample : Q1851-03  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
 Title : GC Extractables

Signal : FID1B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.838       | 2.805        | 2.898      | BV       | 96             | 2211         | 0.02%          | 0.001%        |
| 2         | 2.909       | 2.898        | 2.920      | PV       | 65             | 806          | 0.01%          | 0.000%        |
| 3         | 2.937       | 2.920        | 2.991      | VV       | 129            | 2055         | 0.02%          | 0.001%        |
| 4         | 3.028       | 2.991        | 3.041      | VV       | 76             | 1351         | 0.01%          | 0.001%        |
| 5         | 3.111       | 3.041        | 3.191      | VV       | 197            | 7943         | 0.07%          | 0.004%        |
| 6         | 3.216       | 3.191        | 3.291      | VV       | 179            | 4318         | 0.04%          | 0.002%        |
| 7         | 3.298       | 3.291        | 3.311      | VV       | 71             | 329          | 0.00%          | 0.000%        |
| 8         | 3.323       | 3.311        | 3.371      | PV       | 75             | 2141         | 0.02%          | 0.001%        |
| 9         | 3.375       | 3.371        | 3.384      | VV       | 129            | 641          | 0.01%          | 0.000%        |
| 10        | 3.410       | 3.384        | 3.444      | VV       | 203            | 4302         | 0.04%          | 0.002%        |
| 11        | 3.455       | 3.444        | 3.519      | VV       | 177            | 4651         | 0.04%          | 0.002%        |
| 12        | 3.623       | 3.519        | 3.634      | VV       | 186            | 8123         | 0.07%          | 0.004%        |
| 13        | 3.642       | 3.634        | 3.650      | VV       | 111            | 840          | 0.01%          | 0.000%        |
| 14        | 3.672       | 3.650        | 3.686      | VV       | 259            | 3968         | 0.03%          | 0.002%        |
| 15        | 3.706       | 3.686        | 3.723      | VV       | 402            | 5449         | 0.05%          | 0.003%        |
| 16        | 3.734       | 3.723        | 3.783      | VV       | 138            | 3594         | 0.03%          | 0.002%        |
| 17        | 3.814       | 3.783        | 3.874      | VV       | 264            | 7699         | 0.07%          | 0.004%        |
| 18        | 3.909       | 3.874        | 3.925      | VV       | 219            | 4180         | 0.04%          | 0.002%        |
| 19        | 3.949       | 3.925        | 4.001      | VV       | 169            | 5228         | 0.05%          | 0.003%        |
| 20        | 4.051       | 4.001        | 4.072      | VV       | 311            | 9291         | 0.08%          | 0.005%        |
| 21        | 4.084       | 4.072        | 4.108      | VV       | 232            | 3372         | 0.03%          | 0.002%        |
| 22        | 4.121       | 4.108        | 4.181      | VV       | 223            | 6887         | 0.06%          | 0.003%        |
| 23        | 4.204       | 4.181        | 4.230      | VV       | 211            | 4537         | 0.04%          | 0.002%        |
| 24        | 4.251       | 4.230        | 4.288      | VV       | 200            | 5219         | 0.05%          | 0.003%        |
| 25        | 4.297       | 4.288        | 4.306      | VV       | 156            | 1468         | 0.01%          | 0.001%        |
| 26        | 4.319       | 4.306        | 4.335      | VV       | 208            | 2426         | 0.02%          | 0.001%        |
| 27        | 4.344       | 4.335        | 4.352      | VV       | 152            | 1275         | 0.01%          | 0.001%        |
| 28        | 4.374       | 4.352        | 4.399      | VV       | 194            | 3913         | 0.03%          | 0.002%        |
| 29        | 4.480       | 4.399        | 4.531      | VV       | 434            | 11673        | 0.10%          | 0.006%        |
| 30        | 4.564       | 4.531        | 4.591      | VV       | 182            | 4585         | 0.04%          | 0.002%        |
| 31        | 4.604       | 4.591        | 4.636      | VV       | 185            | 2831         | 0.02%          | 0.001%        |
| 32        | 4.654       | 4.636        | 4.695      | VV       | 351            | 5388         | 0.05%          | 0.003%        |
| 33        | 4.704       | 4.695        | 4.758      | VV       | 128            | 3887         | 0.03%          | 0.002%        |
| 34        | 4.770       | 4.758        | 4.821      | VV       | 186            | 4613         | 0.04%          | 0.002%        |
| 35        | 4.827       | 4.821        | 4.878      | VV       | 214            | 3985         | 0.03%          | 0.002%        |
| 36        | 4.905       | 4.878        | 4.933      | VV       | 228            | 4789         | 0.04%          | 0.002%        |

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|    |       |       |       |    | rteres |       |       |        |
|----|-------|-------|-------|----|--------|-------|-------|--------|
| 37 | 4.944 | 4.933 | 4.954 | VV | 128    | 1418  | 0.01% | 0.001% |
| 38 | 4.964 | 4.954 | 4.995 | VV | 175    | 2637  | 0.02% | 0.001% |
| 39 | 5.000 | 4.995 | 5.013 | VV | 117    | 880   | 0.01% | 0.000% |
| 40 | 5.027 | 5.013 | 5.048 | VV | 134    | 1679  | 0.01% | 0.001% |
| 41 | 5.056 | 5.048 | 5.106 | VV | 135    | 3576  | 0.03% | 0.002% |
| 42 | 5.116 | 5.106 | 5.121 | PV | 127    | 938   | 0.01% | 0.000% |
| 43 | 5.148 | 5.121 | 5.178 | VV | 205    | 4833  | 0.04% | 0.002% |
| 44 | 5.189 | 5.178 | 5.211 | VV | 130    | 1693  | 0.01% | 0.001% |
| 45 | 5.237 | 5.211 | 5.281 | VV | 116    | 2272  | 0.02% | 0.001% |
| 46 | 5.320 | 5.281 | 5.336 | VV | 137    | 2153  | 0.02% | 0.001% |
| 47 | 5.345 | 5.336 | 5.354 | VV | 84     | 507   | 0.00% | 0.000% |
| 48 | 5.368 | 5.354 | 5.379 | VV | 69     | 777   | 0.01% | 0.000% |
| 49 | 5.402 | 5.379 | 5.412 | VV | 97     | 1041  | 0.01% | 0.001% |
| 50 | 5.437 | 5.412 | 5.486 | VV | 335    | 7004  | 0.06% | 0.004% |
| 51 | 5.494 | 5.486 | 5.503 | VV | 133    | 876   | 0.01% | 0.000% |
| 52 | 5.509 | 5.503 | 5.547 | VV | 107    | 1298  | 0.01% | 0.001% |
| 53 | 5.562 | 5.547 | 5.602 | PV | 59     | 1113  | 0.01% | 0.001% |
| 54 | 5.628 | 5.602 | 5.693 | VV | 203    | 4974  | 0.04% | 0.003% |
| 55 | 5.704 | 5.693 | 5.715 | VV | 85     | 1051  | 0.01% | 0.001% |
| 56 | 5.727 | 5.715 | 5.847 | VV | 134    | 6443  | 0.06% | 0.003% |
| 57 | 5.863 | 5.847 | 5.880 | VV | 82     | 1265  | 0.01% | 0.001% |
| 58 | 5.895 | 5.880 | 5.911 | VV | 89     | 1392  | 0.01% | 0.001% |
| 59 | 5.916 | 5.911 | 5.931 | VV | 88     | 1220  | 0.01% | 0.001% |
| 60 | 5.952 | 5.931 | 6.076 | VV | 124    | 6009  | 0.05% | 0.003% |
| 61 | 6.083 | 6.076 | 6.132 | VV | 91     | 2209  | 0.02% | 0.001% |
| 62 | 6.143 | 6.132 | 6.175 | VV | 49     | 852   | 0.01% | 0.000% |
| 63 | 6.203 | 6.175 | 6.282 | PV | 475    | 13178 | 0.11% | 0.007% |
| 64 | 6.291 | 6.282 | 6.335 | VV | 142    | 3166  | 0.03% | 0.002% |
| 65 | 6.342 | 6.335 | 6.352 | VV | 125    | 1104  | 0.01% | 0.001% |
| 66 | 6.375 | 6.352 | 6.415 | VV | 393    | 6620  | 0.06% | 0.003% |
| 67 | 6.438 | 6.415 | 6.484 | VV | 148    | 4348  | 0.04% | 0.002% |
| 68 | 6.506 | 6.484 | 6.620 | VV | 296    | 10894 | 0.09% | 0.005% |
| 69 | 6.662 | 6.620 | 6.695 | VV | 289    | 4911  | 0.04% | 0.002% |
| 70 | 6.779 | 6.695 | 6.797 | VV | 145    | 4779  | 0.04% | 0.002% |
| 71 | 6.810 | 6.797 | 6.851 | VV | 185    | 2881  | 0.02% | 0.001% |
| 72 | 6.874 | 6.851 | 6.888 | PV | 125    | 1677  | 0.01% | 0.001% |
| 73 | 6.892 | 6.888 | 6.928 | VV | 133    | 1241  | 0.01% | 0.001% |
| 74 | 6.942 | 6.928 | 6.991 | VV | 172    | 2788  | 0.02% | 0.001% |
| 75 | 7.006 | 6.991 | 7.028 | VV | 145    | 1230  | 0.01% | 0.001% |
| 76 | 7.070 | 7.028 | 7.097 | PV | 355    | 5948  | 0.05% | 0.003% |
| 77 | 7.109 | 7.097 | 7.118 | VV | 99     | 685   | 0.01% | 0.000% |
| 78 | 7.194 | 7.118 | 7.225 | VV | 220    | 6995  | 0.06% | 0.004% |
| 79 | 7.236 | 7.225 | 7.261 | VV | 182    | 2207  | 0.02% | 0.001% |
| 80 | 7.288 | 7.261 | 7.326 | PV | 235    | 5211  | 0.05% | 0.003% |
| 81 | 7.341 | 7.326 | 7.365 | VV | 314    | 3613  | 0.03% | 0.002% |
| 82 | 7.383 | 7.365 | 7.413 | VV | 505    | 6185  | 0.05% | 0.003% |
| 83 | 7.446 | 7.413 | 7.467 | VV | 149    | 2796  | 0.02% | 0.001% |
| 84 | 7.484 | 7.467 | 7.502 | VV | 259    | 2542  | 0.02% | 0.001% |
| 85 | 7.511 | 7.502 | 7.526 | VV | 106    | 665   | 0.01% | 0.000% |
| 86 | 7.612 | 7.526 | 7.651 | PV | 1593   | 24413 | 0.21% | 0.012% |
| 87 | 7.694 | 7.651 | 7.711 | VV | 149    | 3301  | 0.03% | 0.002% |
| 88 | 7.742 | 7.711 | 7.761 | VV | 282    | 4131  | 0.04% | 0.002% |
| 89 | 7.786 | 7.761 | 7.820 | VV | 473    | 8828  | 0.08% | 0.004% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 90  | 7.842  | 7.820  | 7.855  | VV | 140    | 1861    | 0.02%  | 0.001% |
| 91  | 8.042  | 8.017  | 8.118  | VV | 2298   | 101555  | 0.88%  | 0.051% |
| 92  | 8.140  | 8.118  | 8.159  | VV | 1338   | 28723   | 0.25%  | 0.014% |
| 93  | 8.187  | 8.159  | 8.202  | VV | 1681   | 32333   | 0.28%  | 0.016% |
| 94  | 8.223  | 8.202  | 8.265  | VV | 2796   | 68727   | 0.60%  | 0.035% |
| 95  | 8.315  | 8.265  | 8.344  | VV | 3831   | 92559   | 0.80%  | 0.047% |
| 96  | 8.367  | 8.344  | 8.386  | VV | 1999   | 41884   | 0.36%  | 0.021% |
| 97  | 8.464  | 8.386  | 8.474  | VV | 2931   | 123780  | 1.07%  | 0.062% |
| 98  | 8.497  | 8.474  | 8.558  | VV | 8718   | 203033  | 1.76%  | 0.102% |
| 99  | 8.588  | 8.558  | 8.604  | VV | 3304   | 84803   | 0.74%  | 0.043% |
| 100 | 8.616  | 8.604  | 8.625  | VV | 3454   | 42645   | 0.37%  | 0.021% |
| 101 | 8.651  | 8.625  | 8.669  | VV | 7280   | 133535  | 1.16%  | 0.067% |
| 102 | 8.681  | 8.669  | 8.698  | VV | 4589   | 72300   | 0.63%  | 0.036% |
| 103 | 8.721  | 8.698  | 8.765  | VV | 6450   | 189725  | 1.64%  | 0.095% |
| 104 | 8.920  | 8.903  | 8.932  | VV | 8715   | 142106  | 1.23%  | 0.071% |
| 105 | 8.951  | 8.932  | 8.972  | VV | 12247  | 231557  | 2.01%  | 0.116% |
| 106 | 8.992  | 8.972  | 9.001  | VV | 9685   | 150247  | 1.30%  | 0.076% |
| 107 | 9.039  | 9.001  | 9.066  | VV | 23460  | 537969  | 4.66%  | 0.270% |
| 108 | 9.089  | 9.066  | 9.101  | VV | 10603  | 200430  | 1.74%  | 0.101% |
| 109 | 9.115  | 9.101  | 9.132  | VV | 11505  | 189973  | 1.65%  | 0.095% |
| 110 | 9.183  | 9.132  | 9.202  | VV | 12062  | 449759  | 3.90%  | 0.226% |
| 111 | 9.222  | 9.202  | 9.230  | VV | 11335  | 184432  | 1.60%  | 0.093% |
| 112 | 9.268  | 9.230  | 9.285  | VV | 12758  | 393307  | 3.41%  | 0.198% |
| 113 | 9.327  | 9.285  | 9.383  | VV | 36495  | 1081607 | 9.38%  | 0.544% |
| 114 | 9.410  | 9.383  | 9.435  | VV | 18674  | 482857  | 4.19%  | 0.243% |
| 115 | 9.455  | 9.435  | 9.464  | VV | 16482  | 262636  | 2.28%  | 0.132% |
| 116 | 9.474  | 9.464  | 9.495  | VV | 16518  | 289117  | 2.51%  | 0.145% |
| 117 | 9.530  | 9.495  | 9.542  | VV | 19498  | 482302  | 4.18%  | 0.242% |
| 118 | 9.558  | 9.542  | 9.581  | VV | 19730  | 438095  | 3.80%  | 0.220% |
| 119 | 9.616  | 9.581  | 9.645  | VV | 21455  | 756989  | 6.56%  | 0.380% |
| 120 | 9.659  | 9.645  | 9.672  | VV | 20256  | 309307  | 2.68%  | 0.155% |
| 121 | 9.706  | 9.672  | 9.738  | VV | 29439  | 962360  | 8.34%  | 0.484% |
| 122 | 9.784  | 9.738  | 9.809  | VV | 32146  | 1110570 | 9.63%  | 0.558% |
| 123 | 9.835  | 9.809  | 9.851  | VV | 29052  | 661779  | 5.74%  | 0.333% |
| 124 | 9.867  | 9.851  | 9.909  | VV | 29935  | 948079  | 8.22%  | 0.477% |
| 125 | 9.979  | 9.909  | 10.002 | VV | 31071  | 1488101 | 12.90% | 0.748% |
| 126 | 10.025 | 10.002 | 10.040 | VV | 31492  | 672808  | 5.83%  | 0.338% |
| 127 | 10.065 | 10.040 | 10.088 | VV | 36861  | 979065  | 8.49%  | 0.492% |
| 128 | 10.110 | 10.088 | 10.135 | VV | 78012  | 1383215 | 11.99% | 0.695% |
| 129 | 10.144 | 10.135 | 10.152 | VV | 33042  | 344661  | 2.99%  | 0.173% |
| 130 | 10.168 | 10.152 | 10.182 | VV | 35686  | 615811  | 5.34%  | 0.310% |
| 131 | 10.214 | 10.182 | 10.255 | VV | 35334  | 1432287 | 12.42% | 0.720% |
| 132 | 10.285 | 10.255 | 10.308 | VV | 36255  | 1085174 | 9.41%  | 0.545% |
| 133 | 10.344 | 10.308 | 10.366 | VV | 37994  | 1254744 | 10.88% | 0.631% |
| 134 | 10.386 | 10.366 | 10.405 | VV | 38783  | 845057  | 7.33%  | 0.425% |
| 135 | 10.457 | 10.405 | 10.471 | VV | 43315  | 1557301 | 13.50% | 0.783% |
| 136 | 10.500 | 10.471 | 10.528 | VV | 101965 | 2221117 | 19.25% | 1.116% |
| 137 | 10.552 | 10.528 | 10.566 | VV | 48178  | 1034251 | 8.97%  | 0.520% |
| 138 | 10.586 | 10.566 | 10.608 | VV | 48069  | 1147036 | 9.94%  | 0.576% |
| 139 | 10.646 | 10.608 | 10.675 | VV | 58853  | 1885783 | 16.35% | 0.948% |
| 140 | 10.691 | 10.675 | 10.725 | VV | 45400  | 1291397 | 11.19% | 0.649% |
| 141 | 10.754 | 10.725 | 10.768 | VV | 49967  | 1245429 | 10.80% | 0.626% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 142    | 10.783 | 10.768 | 10.801 | VV | 52782  | 986427   | 8.55%   | 0.496% |
| 143    | 10.853 | 10.801 | 10.890 | VV | 104379 | 3318674  | 28.77%  | 1.668% |
| 144    | 10.926 | 10.890 | 10.955 | VV | 239872 | 4578313  | 39.69%  | 2.301% |
| 145    | 10.966 | 10.955 | 11.017 | VV | 57910  | 1973099  | 17.10%  | 0.992% |
| 146    | 11.055 | 11.017 | 11.067 | VV | 55149  | 1565103  | 13.57%  | 0.787% |
| 147    | 11.091 | 11.067 | 11.106 | VV | 56569  | 1310582  | 11.36%  | 0.659% |
| 148    | 11.130 | 11.106 | 11.154 | VV | 59151  | 1601647  | 13.88%  | 0.805% |
| 149    | 11.182 | 11.154 | 11.214 | VV | 63083  | 2119672  | 18.37%  | 1.065% |
| 150    | 11.247 | 11.214 | 11.292 | VV | 69134  | 2891216  | 25.06%  | 1.453% |
| 151    | 11.333 | 11.292 | 11.348 | VV | 62444  | 1989060  | 17.24%  | 1.000% |
| 152    | 11.360 | 11.348 | 11.378 | VV | 63147  | 1100222  | 9.54%   | 0.553% |
| 153    | 11.387 | 11.378 | 11.399 | VV | 61162  | 761125   | 6.60%   | 0.383% |
| 154    | 11.416 | 11.399 | 11.445 | VV | 63717  | 1682297  | 14.58%  | 0.846% |
| 155    | 11.517 | 11.445 | 11.533 | VV | 66519  | 3330275  | 28.87%  | 1.674% |
| 156    | 11.559 | 11.533 | 11.617 | VV | 114085 | 3789591  | 32.85%  | 1.905% |
| 157    | 11.651 | 11.617 | 11.697 | VV | 211168 | 5048799  | 43.77%  | 2.538% |
| 158    | 11.714 | 11.697 | 11.737 | VV | 64421  | 1472939  | 12.77%  | 0.740% |
| 159    | 11.755 | 11.737 | 11.772 | VV | 62821  | 1297029  | 11.24%  | 0.652% |
| 160    | 11.876 | 11.772 | 11.908 | VV | 613296 | 11535845 | 100.00% | 5.798% |
| 161    | 11.954 | 11.908 | 11.980 | VV | 72129  | 2955254  | 25.62%  | 1.485% |
| 162    | 11.997 | 11.980 | 12.028 | VV | 69468  | 1953876  | 16.94%  | 0.982% |
| 163    | 12.055 | 12.028 | 12.093 | VV | 73422  | 2732751  | 23.69%  | 1.373% |
| 164    | 12.114 | 12.093 | 12.148 | VV | 72181  | 2298077  | 19.92%  | 1.155% |
| 165    | 12.167 | 12.148 | 12.180 | VV | 69375  | 1313726  | 11.39%  | 0.660% |
| 166    | 12.228 | 12.180 | 12.282 | VV | 113163 | 5194070  | 45.03%  | 2.611% |
| 167    | 12.305 | 12.282 | 12.320 | VV | 68234  | 1529001  | 13.25%  | 0.768% |
| 168    | 12.339 | 12.320 | 12.408 | VV | 70608  | 3509538  | 30.42%  | 1.764% |
| 169    | 12.432 | 12.408 | 12.471 | VV | 68011  | 2458051  | 21.31%  | 1.235% |
| 170    | 12.506 | 12.471 | 12.518 | VV | 69120  | 1875610  | 16.26%  | 0.943% |
| 171    | 12.533 | 12.518 | 12.561 | VV | 69133  | 1733763  | 15.03%  | 0.871% |
| 172    | 12.614 | 12.561 | 12.630 | VV | 68186  | 2702235  | 23.42%  | 1.358% |
| 173    | 12.645 | 12.630 | 12.679 | VV | 68943  | 1919461  | 16.64%  | 0.965% |
| 174    | 12.703 | 12.679 | 12.717 | VV | 65817  | 1447182  | 12.55%  | 0.727% |
| 175    | 12.733 | 12.717 | 12.771 | VV | 65942  | 2085349  | 18.08%  | 1.048% |
| 176    | 12.795 | 12.771 | 12.844 | VV | 74252  | 2903560  | 25.17%  | 1.459% |
| 177    | 12.874 | 12.844 | 12.914 | VV | 102846 | 3118026  | 27.03%  | 1.567% |
| 178    | 12.937 | 12.914 | 12.972 | VV | 62882  | 2110850  | 18.30%  | 1.061% |
| 179    | 12.983 | 12.972 | 13.002 | VV | 61393  | 1085195  | 9.41%   | 0.545% |
| 180    | 13.018 | 13.002 | 13.067 | VV | 61829  | 2271821  | 19.69%  | 1.142% |
| 181    | 13.093 | 13.067 | 13.115 | VV | 57284  | 1600267  | 13.87%  | 0.804% |
| 182    | 13.135 | 13.115 | 13.181 | VV | 59928  | 2289913  | 19.85%  | 1.151% |
| 183    | 13.231 | 13.181 | 13.251 | VV | 62704  | 2374993  | 20.59%  | 1.194% |
| 184    | 13.264 | 13.251 | 13.279 | VV | 56274  | 931767   | 8.08%   | 0.468% |
| 185    | 13.321 | 13.279 | 13.351 | VV | 431743 | 6946728  | 60.22%  | 3.491% |
| 186    | 13.371 | 13.351 | 13.406 | VV | 67713  | 1984633  | 17.20%  | 0.997% |
| 187    | 13.417 | 13.406 | 13.444 | VV | 54465  | 1202137  | 10.42%  | 0.604% |
| 188    | 13.453 | 13.444 | 13.464 | VV | 49736  | 577273   | 5.00%   | 0.290% |
| 189    | 13.487 | 13.464 | 13.511 | VV | 70113  | 1609293  | 13.95%  | 0.809% |
| 190    | 13.533 | 13.511 | 13.611 | VV | 54361  | 2955540  | 25.62%  | 1.485% |
| 191    | 13.648 | 13.611 | 13.681 | VV | 48374  | 1905370  | 16.52%  | 0.958% |
| 192    | 13.712 | 13.681 | 13.741 | VV | 51108  | 1677117  | 14.54%  | 0.843% |
| 193    | 13.755 | 13.741 | 13.785 | VV | 44594  | 1120047  | 9.71%   | 0.563% |
| 194    | 13.797 | 13.785 | 13.828 | VV | 42344  | 1069438  | 9.27%   | 0.537% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 195    | 13.841 | 13.828 | 13.854 | VV | 40496  | 643356  | 5.58%  | 0.323% |
| 196    | 13.867 | 13.854 | 13.890 | VV | 40615  | 825306  | 7.15%  | 0.415% |
| 197    | 13.922 | 13.890 | 13.953 | VV | 40823  | 1482915 | 12.85% | 0.745% |
| 198    | 13.984 | 13.953 | 14.047 | VV | 41544  | 2084283 | 18.07% | 1.048% |
| 199    | 14.073 | 14.047 | 14.111 | VV | 46955  | 1458387 | 12.64% | 0.733% |
| 200    | 14.125 | 14.111 | 14.207 | VV | 33600  | 1831334 | 15.88% | 0.920% |
| 201    | 14.222 | 14.207 | 14.248 | VV | 31009  | 741263  | 6.43%  | 0.373% |
| 202    | 14.254 | 14.248 | 14.267 | VV | 28580  | 319584  | 2.77%  | 0.161% |
| 203    | 14.306 | 14.267 | 14.354 | VV | 33217  | 1556705 | 13.49% | 0.782% |
| 204    | 14.374 | 14.354 | 14.424 | VV | 27818  | 1106777 | 9.59%  | 0.556% |
| 205    | 14.460 | 14.424 | 14.558 | VV | 26864  | 1980612 | 17.17% | 0.995% |
| 206    | 14.580 | 14.558 | 14.614 | VV | 23084  | 733800  | 6.36%  | 0.369% |
| 207    | 14.636 | 14.614 | 14.695 | VV | 27158  | 1034664 | 8.97%  | 0.520% |
| 208    | 14.711 | 14.695 | 14.740 | VV | 19740  | 526119  | 4.56%  | 0.264% |
| 209    | 14.765 | 14.740 | 14.802 | VV | 20099  | 689032  | 5.97%  | 0.346% |
| 210    | 14.811 | 14.802 | 14.849 | VV | 16673  | 465328  | 4.03%  | 0.234% |
| 211    | 14.864 | 14.849 | 14.875 | VV | 15916  | 243709  | 2.11%  | 0.122% |
| 212    | 14.888 | 14.875 | 14.945 | VV | 16482  | 647103  | 5.61%  | 0.325% |
| 213    | 14.958 | 14.945 | 14.981 | VV | 14300  | 294343  | 2.55%  | 0.148% |
| 214    | 14.991 | 14.981 | 15.015 | VV | 13623  | 270543  | 2.35%  | 0.136% |
| 215    | 15.024 | 15.015 | 15.051 | VV | 13386  | 282966  | 2.45%  | 0.142% |
| 216    | 15.066 | 15.051 | 15.148 | VV | 12354  | 674992  | 5.85%  | 0.339% |
| 217    | 15.179 | 15.148 | 15.208 | VV | 13550  | 414284  | 3.59%  | 0.208% |
| 218    | 15.223 | 15.208 | 15.301 | VV | 10253  | 527289  | 4.57%  | 0.265% |
| 219    | 15.316 | 15.301 | 15.351 | VV | 8620   | 248607  | 2.16%  | 0.125% |
| 220    | 15.372 | 15.351 | 15.396 | VV | 8185   | 206006  | 1.79%  | 0.104% |
| 221    | 15.421 | 15.396 | 15.491 | VV | 7703   | 406794  | 3.53%  | 0.204% |
| 222    | 15.505 | 15.491 | 15.525 | VV | 6720   | 130693  | 1.13%  | 0.066% |
| 223    | 15.561 | 15.525 | 15.675 | VV | 23188  | 837345  | 7.26%  | 0.421% |
| 224    | 15.718 | 15.675 | 15.946 | VV | 189169 | 3057300 | 26.50% | 1.537% |
| 225    | 15.959 | 15.946 | 15.978 | VV | 2922   | 52294   | 0.45%  | 0.026% |
| 226    | 16.012 | 15.978 | 16.056 | VV | 2875   | 118570  | 1.03%  | 0.060% |
| 227    | 16.084 | 16.056 | 16.175 | VV | 2509   | 135959  | 1.18%  | 0.068% |
| 228    | 16.201 | 16.175 | 16.324 | VV | 2662   | 123527  | 1.07%  | 0.062% |
| 229    | 16.334 | 16.324 | 16.355 | VV | 856    | 13233   | 0.11%  | 0.007% |
| 230    | 16.385 | 16.355 | 16.455 | VV | 992    | 44845   | 0.39%  | 0.023% |
| 231    | 16.500 | 16.455 | 16.548 | VV | 755    | 31906   | 0.28%  | 0.016% |
| 232    | 16.579 | 16.548 | 16.620 | VV | 1558   | 42231   | 0.37%  | 0.021% |
| 233    | 16.641 | 16.620 | 16.661 | VV | 656    | 13118   | 0.11%  | 0.007% |
| 234    | 16.685 | 16.661 | 16.721 | VV | 1635   | 25723   | 0.22%  | 0.013% |
| 235    | 16.732 | 16.721 | 16.741 | VV | 183    | 1461    | 0.01%  | 0.001% |
| 236    | 16.766 | 16.741 | 16.811 | VV | 2486   | 35811   | 0.31%  | 0.018% |
| 237    | 16.843 | 16.811 | 16.864 | PV | 241    | 3601    | 0.03%  | 0.002% |
| 238    | 16.905 | 16.864 | 16.921 | VV | 186    | 4391    | 0.04%  | 0.002% |
| 239    | 16.980 | 16.921 | 16.991 | VV | 230    | 6734    | 0.06%  | 0.003% |
| 240    | 17.011 | 16.991 | 17.068 | VV | 450    | 12141   | 0.11%  | 0.006% |
| 241    | 17.078 | 17.068 | 17.100 | VV | 197    | 2700    | 0.02%  | 0.001% |
| 242    | 17.153 | 17.100 | 17.178 | VV | 1804   | 33701   | 0.29%  | 0.017% |
| 243    | 17.198 | 17.178 | 17.254 | VV | 1297   | 24864   | 0.22%  | 0.012% |
| 244    | 17.278 | 17.254 | 17.305 | PV | 228    | 3785    | 0.03%  | 0.002% |
| 245    | 17.326 | 17.305 | 17.336 | VV | 157    | 1776    | 0.02%  | 0.001% |
| 246    | 17.390 | 17.336 | 17.424 | VV | 365    | 8210    | 0.07%  | 0.004% |

|     |        |        |        |    | rterres |         |        |        |
|-----|--------|--------|--------|----|---------|---------|--------|--------|
| 247 | 17.488 | 17.424 | 17.501 | PV | 221     | 4844    | 0.04%  | 0.002% |
| 248 | 17.527 | 17.501 | 17.571 | VV | 730     | 16651   | 0.14%  | 0.008% |
| 249 | 17.603 | 17.571 | 17.644 | VV | 3009    | 46310   | 0.40%  | 0.023% |
| 250 | 17.700 | 17.644 | 17.722 | PV | 240     | 6281    | 0.05%  | 0.003% |
| 251 | 18.000 | 17.722 | 18.017 | PV | 1369    | 11485   | 0.10%  | 0.006% |
| 252 | 18.041 | 18.017 | 18.068 | VV | 2666    | 41479   | 0.36%  | 0.021% |
| 253 | 18.134 | 18.068 | 18.155 | VV | 780     | 21556   | 0.19%  | 0.011% |
| 254 | 18.183 | 18.155 | 18.201 | VV | 553     | 11265   | 0.10%  | 0.006% |
| 255 | 18.266 | 18.201 | 18.298 | VV | 523     | 17715   | 0.15%  | 0.009% |
| 256 | 18.360 | 18.298 | 18.374 | PV | 969     | 12677   | 0.11%  | 0.006% |
| 257 | 18.405 | 18.374 | 18.442 | VV | 5431    | 122884  | 1.07%  | 0.062% |
| 258 | 18.466 | 18.442 | 18.508 | VV | 3961    | 78347   | 0.68%  | 0.039% |
| 259 | 18.556 | 18.508 | 18.589 | VV | 457     | 16501   | 0.14%  | 0.008% |
| 260 | 18.609 | 18.589 | 18.628 | VV | 153     | 2132    | 0.02%  | 0.001% |
| 261 | 18.871 | 18.628 | 18.915 | PV | 3701    | 73469   | 0.64%  | 0.037% |
| 262 | 18.979 | 18.915 | 18.996 | PV | 566     | 14313   | 0.12%  | 0.007% |
| 263 | 19.032 | 18.996 | 19.040 | VV | 439     | 8916    | 0.08%  | 0.004% |
| 264 | 19.188 | 19.040 | 19.205 | VV | 761     | 28991   | 0.25%  | 0.015% |
| 265 | 19.234 | 19.205 | 19.254 | VV | 3464    | 68112   | 0.59%  | 0.034% |
| 266 | 19.275 | 19.254 | 19.319 | VV | 3506    | 79940   | 0.69%  | 0.040% |
| 267 | 19.353 | 19.319 | 19.383 | VV | 967     | 30083   | 0.26%  | 0.015% |
| 268 | 19.519 | 19.383 | 19.538 | VV | 789     | 61479   | 0.53%  | 0.031% |
| 269 | 19.573 | 19.538 | 19.588 | VV | 901     | 20099   | 0.17%  | 0.010% |
| 270 | 19.662 | 19.588 | 19.677 | VV | 2734    | 66472   | 0.58%  | 0.033% |
| 271 | 19.697 | 19.677 | 19.715 | VV | 2800    | 50860   | 0.44%  | 0.026% |
| 272 | 20.024 | 19.715 | 20.061 | VV | 5154    | 609783  | 5.29%  | 0.306% |
| 273 | 20.242 | 20.061 | 20.250 | VV | 7313    | 626966  | 5.43%  | 0.315% |
| 274 | 20.306 | 20.250 | 20.377 | VV | 12699   | 683936  | 5.93%  | 0.344% |
| 275 | 20.403 | 20.377 | 20.432 | VV | 7913    | 248225  | 2.15%  | 0.125% |
| 276 | 20.762 | 20.432 | 20.788 | VV | 12403   | 1982135 | 17.18% | 0.996% |
| 277 | 20.935 | 20.788 | 20.986 | VV | 12742   | 1462807 | 12.68% | 0.735% |
| 278 | 21.004 | 20.986 | 21.028 | VV | 12096   | 298150  | 2.58%  | 0.150% |
| 279 | 21.038 | 21.028 | 21.060 | VV | 11584   | 220313  | 1.91%  | 0.111% |
| 280 | 21.185 | 21.060 | 21.298 | VV | 11782   | 1605017 | 13.91% | 0.807% |
| 281 | 21.442 | 21.298 | 21.501 | VV | 9410    | 1141833 | 9.90%  | 0.574% |
| 282 | 21.597 | 21.501 | 21.628 | VV | 8286    | 626029  | 5.43%  | 0.315% |
| 283 | 21.715 | 21.628 | 21.760 | VV | 7794    | 618713  | 5.36%  | 0.311% |
| 284 | 21.842 | 21.760 | 22.009 | VV | 7688    | 905845  | 7.85%  | 0.455% |
| 285 | 22.033 | 22.009 | 22.088 | VV | 3320    | 136092  | 1.18%  | 0.068% |
| 286 | 22.187 | 22.088 | 22.271 | VV | 2927    | 268539  | 2.33%  | 0.135% |
| 287 | 22.290 | 22.271 | 22.364 | VV | 1448    | 50979   | 0.44%  | 0.026% |

Sum of corrected areas: 198966658

Aliphatic EPH 041725.M Wed Apr 23 03:41:48 2025

6

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
 Data File : FE053487.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Apr 2025 02:18  
 Operator : YP\AJ  
 Sample : Q1851-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 DP8

Integration File: autoint1.e  
 Quant Time: Apr 23 02:57:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Apr 16 18:29:18 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 ul  
 Signal Phase : Rxi-1ms  
 Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 9) S ortho-Terphenyl (SURR)    | 11.874 | 5770856  | 31.996 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 63.99%     |
| 12) S 1-chlorooctadecane (S... | 13.319 | 4399888  | 32.549 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 65.10%     |

Target Compounds

(f)=RT Delta > 1/2 Window

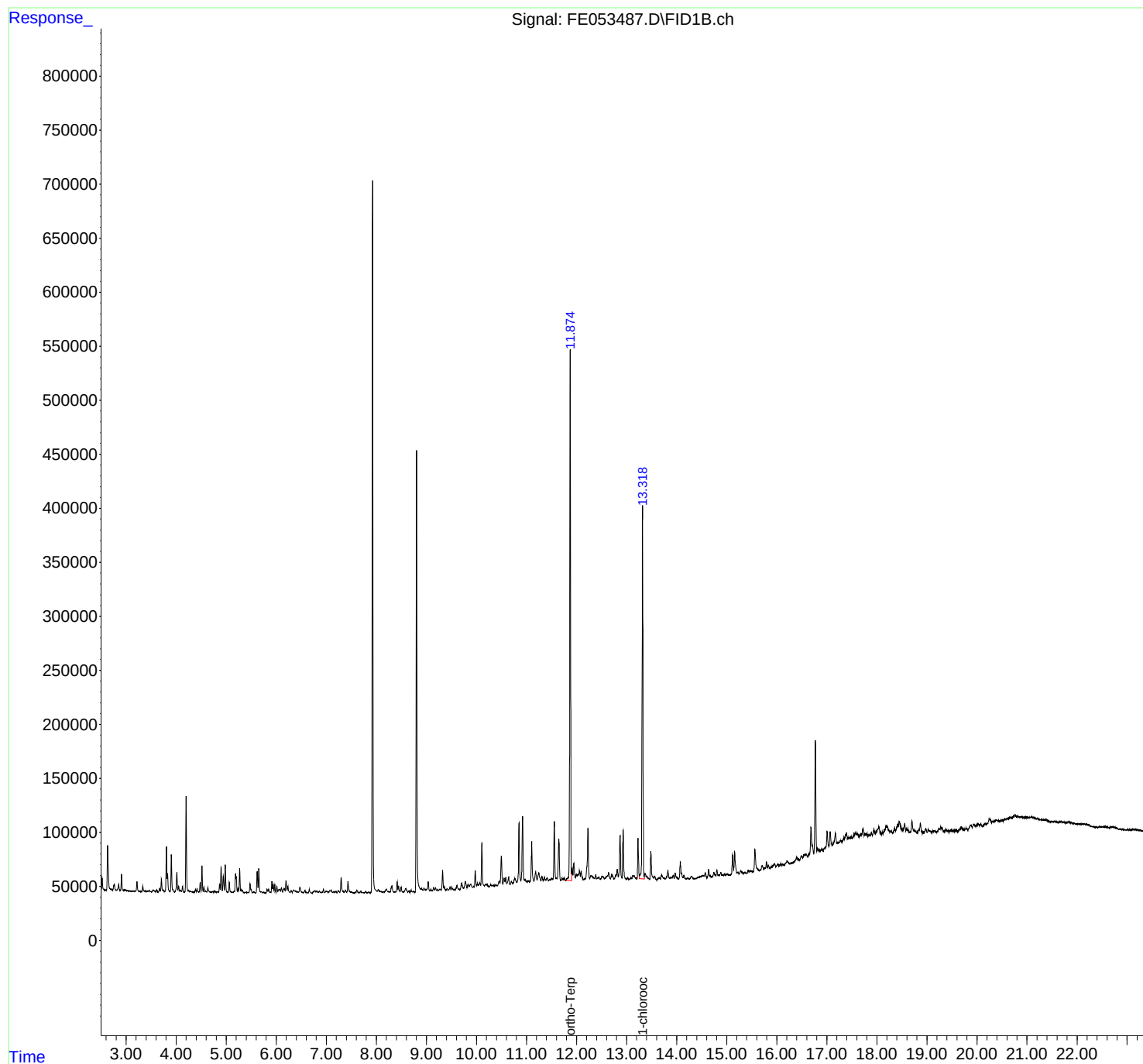
(m)=manual int.

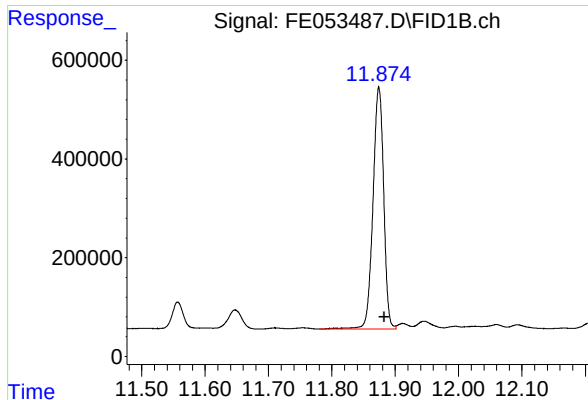
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
Data File : FE053487.D  
Signal(s) : FID1B.ch  
Acq On : 23 Apr 2025 02:18  
Operator : YP\AJ  
Sample : Q1851-04  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
DP8

Integration File: autoint1.e  
Quant Time: Apr 23 02:57:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
Quant Title : GC Extractables  
QLast Update : Wed Apr 16 18:29:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

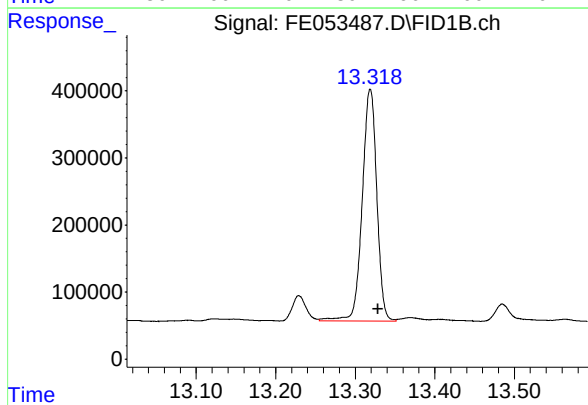




#9 ortho-Terphenyl (SURR)

R.T.: 11.874 min  
Delta R.T.: -0.009 min  
Response: 5770856  
Conc: 32.00 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
DP8



#12 1-chlorooctadecane (SURR)

R.T.: 13.319 min  
Delta R.T.: -0.010 min  
Response: 4399888  
Conc: 32.55 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
 Data File : FE053487.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Apr 2025 02:18  
 Sample : Q1851-04  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
 Title : GC Extractables

Signal : FID1B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.851       | 2.805        | 2.881      | BV       | 5680           | 70192        | 1.16%          | 0.067%        |
| 2         | 2.908       | 2.881        | 2.940      | VV       | 15089          | 151903       | 2.51%          | 0.144%        |
| 3         | 2.954       | 2.940        | 2.970      | VV       | 495            | 6338         | 0.10%          | 0.006%        |
| 4         | 2.994       | 2.970        | 3.058      | VV       | 742            | 16397        | 0.27%          | 0.016%        |
| 5         | 3.077       | 3.058        | 3.122      | PV       | 97             | 2664         | 0.04%          | 0.003%        |
| 6         | 3.137       | 3.122        | 3.168      | PV       | 239            | 3097         | 0.05%          | 0.003%        |
| 7         | 3.217       | 3.168        | 3.308      | VV       | 9024           | 110373       | 1.82%          | 0.105%        |
| 8         | 3.334       | 3.308        | 3.375      | PV       | 5066           | 60941        | 1.01%          | 0.058%        |
| 9         | 3.389       | 3.375        | 3.411      | VV       | 636            | 8984         | 0.15%          | 0.009%        |
| 10        | 3.431       | 3.411        | 3.443      | VV       | 658            | 9286         | 0.15%          | 0.009%        |
| 11        | 3.460       | 3.443        | 3.515      | VV       | 1249           | 19037        | 0.31%          | 0.018%        |
| 12        | 3.532       | 3.515        | 3.541      | PV       | 1324           | 12905        | 0.21%          | 0.012%        |
| 13        | 3.554       | 3.541        | 3.578      | VV       | 1679           | 20081        | 0.33%          | 0.019%        |
| 14        | 3.612       | 3.578        | 3.641      | VV       | 1270           | 19430        | 0.32%          | 0.018%        |
| 15        | 3.667       | 3.641        | 3.685      | VV       | 3104           | 35810        | 0.59%          | 0.034%        |
| 16        | 3.706       | 3.685        | 3.739      | VV       | 12102          | 145311       | 2.40%          | 0.138%        |
| 17        | 3.747       | 3.739        | 3.766      | VV       | 1434           | 18418        | 0.30%          | 0.017%        |
| 18        | 3.805       | 3.766        | 3.881      | VV       | 41668          | 634639       | 10.47%         | 0.603%        |
| 19        | 3.904       | 3.881        | 3.971      | VV       | 34313          | 391495       | 6.46%          | 0.372%        |
| 20        | 4.013       | 3.971        | 4.034      | VV       | 18155          | 218556       | 3.61%          | 0.208%        |
| 21        | 4.050       | 4.034        | 4.071      | VV       | 5342           | 66429        | 1.10%          | 0.063%        |
| 22        | 4.085       | 4.071        | 4.105      | VV       | 1845           | 23677        | 0.39%          | 0.022%        |
| 23        | 4.128       | 4.105        | 4.165      | VV       | 5455           | 64219        | 1.06%          | 0.061%        |
| 24        | 4.199       | 4.165        | 4.238      | VV       | 88811          | 922853       | 15.23%         | 0.877%        |
| 25        | 4.246       | 4.238        | 4.306      | VV       | 1540           | 36026        | 0.59%          | 0.034%        |
| 26        | 4.314       | 4.306        | 4.341      | VV       | 342            | 3441         | 0.06%          | 0.003%        |
| 27        | 4.386       | 4.341        | 4.401      | VV       | 2723           | 33366        | 0.55%          | 0.032%        |
| 28        | 4.418       | 4.401        | 4.452      | VV       | 3325           | 39256        | 0.65%          | 0.037%        |
| 29        | 4.480       | 4.452        | 4.497      | VV       | 9265           | 97523        | 1.61%          | 0.093%        |
| 30        | 4.516       | 4.497        | 4.539      | VV       | 24597          | 249530       | 4.12%          | 0.237%        |
| 31        | 4.555       | 4.539        | 4.576      | VV       | 4968           | 54681        | 0.90%          | 0.052%        |
| 32        | 4.590       | 4.576        | 4.613      | VV       | 1448           | 18631        | 0.31%          | 0.018%        |
| 33        | 4.634       | 4.613        | 4.717      | VV       | 4462           | 72601        | 1.20%          | 0.069%        |
| 34        | 4.734       | 4.717        | 4.749      | VV       | 1009           | 11599        | 0.19%          | 0.011%        |
| 35        | 4.766       | 4.749        | 4.808      | VV       | 1665           | 26161        | 0.43%          | 0.025%        |
| 36        | 4.825       | 4.808        | 4.845      | VV       | 771            | 11785        | 0.19%          | 0.011%        |

Page 1

| rteres |       |       |       |    |       |        |       |        |
|--------|-------|-------|-------|----|-------|--------|-------|--------|
| 37     | 4.869 | 4.845 | 4.881 | VV | 8186  | 85374  | 1.41% | 0.081% |
| 38     | 4.898 | 4.881 | 4.921 | VV | 24237 | 266008 | 4.39% | 0.253% |
| 39     | 4.942 | 4.921 | 4.963 | VV | 15284 | 210252 | 3.47% | 0.200% |
| 40     | 4.981 | 4.963 | 5.034 | VV | 25778 | 298549 | 4.93% | 0.284% |
| 41     | 5.062 | 5.034 | 5.128 | VV | 9606  | 120459 | 1.99% | 0.114% |
| 42     | 5.187 | 5.128 | 5.223 | VV | 17216 | 344569 | 5.69% | 0.327% |
| 43     | 5.237 | 5.223 | 5.250 | VV | 4389  | 48166  | 0.79% | 0.046% |
| 44     | 5.270 | 5.250 | 5.292 | VV | 22241 | 239826 | 3.96% | 0.228% |
| 45     | 5.303 | 5.292 | 5.316 | VV | 2942  | 32024  | 0.53% | 0.030% |
| 46     | 5.326 | 5.316 | 5.355 | VV | 2385  | 26128  | 0.43% | 0.025% |
| 47     | 5.361 | 5.355 | 5.374 | VV | 211   | 2060   | 0.03% | 0.002% |
| 48     | 5.400 | 5.374 | 5.413 | VV | 471   | 6728   | 0.11% | 0.006% |
| 49     | 5.432 | 5.413 | 5.455 | VV | 706   | 10991  | 0.18% | 0.010% |
| 50     | 5.478 | 5.455 | 5.528 | VV | 8505  | 127694 | 2.11% | 0.121% |
| 51     | 5.543 | 5.528 | 5.585 | VV | 873   | 16412  | 0.27% | 0.016% |
| 52     | 5.619 | 5.585 | 5.636 | PV | 19859 | 233974 | 3.86% | 0.222% |
| 53     | 5.652 | 5.636 | 5.727 | VV | 22582 | 274553 | 4.53% | 0.261% |
| 54     | 5.741 | 5.727 | 5.778 | VV | 633   | 11306  | 0.19% | 0.011% |
| 55     | 5.816 | 5.778 | 5.834 | VV | 3595  | 50952  | 0.84% | 0.048% |
| 56     | 5.848 | 5.834 | 5.878 | VV | 3655  | 46900  | 0.77% | 0.045% |
| 57     | 5.886 | 5.878 | 5.895 | VV | 732   | 6846   | 0.11% | 0.007% |
| 58     | 5.914 | 5.895 | 5.928 | VV | 10690 | 116424 | 1.92% | 0.111% |
| 59     | 5.941 | 5.928 | 5.957 | VV | 7619  | 87772  | 1.45% | 0.083% |
| 60     | 5.971 | 5.957 | 5.994 | VV | 7672  | 86565  | 1.43% | 0.082% |
| 61     | 6.014 | 5.994 | 6.032 | VV | 6015  | 69557  | 1.15% | 0.066% |
| 62     | 6.050 | 6.032 | 6.085 | VV | 3117  | 80048  | 1.32% | 0.076% |
| 63     | 6.104 | 6.085 | 6.128 | VV | 4810  | 74266  | 1.23% | 0.071% |
| 64     | 6.160 | 6.128 | 6.177 | VV | 4066  | 87058  | 1.44% | 0.083% |
| 65     | 6.196 | 6.177 | 6.218 | VV | 11435 | 146389 | 2.42% | 0.139% |
| 66     | 6.234 | 6.218 | 6.276 | VV | 6140  | 93208  | 1.54% | 0.089% |
| 67     | 6.299 | 6.276 | 6.320 | VV | 1869  | 30406  | 0.50% | 0.029% |
| 68     | 6.347 | 6.320 | 6.414 | VV | 2844  | 95718  | 1.58% | 0.091% |
| 69     | 6.426 | 6.414 | 6.441 | VV | 1475  | 16390  | 0.27% | 0.016% |
| 70     | 6.472 | 6.441 | 6.540 | VV | 5294  | 113097 | 1.87% | 0.107% |
| 71     | 6.575 | 6.540 | 6.627 | VV | 2831  | 48565  | 0.80% | 0.046% |
| 72     | 6.661 | 6.627 | 6.715 | VV | 3201  | 46426  | 0.77% | 0.044% |
| 73     | 6.745 | 6.715 | 6.757 | PV | 1327  | 19294  | 0.32% | 0.018% |
| 74     | 6.774 | 6.757 | 6.793 | VV | 2359  | 34506  | 0.57% | 0.033% |
| 75     | 6.812 | 6.793 | 6.833 | VV | 2154  | 32577  | 0.54% | 0.031% |
| 76     | 6.862 | 6.833 | 6.900 | VV | 1914  | 35616  | 0.59% | 0.034% |
| 77     | 6.915 | 6.900 | 6.928 | VV | 778   | 9289   | 0.15% | 0.009% |
| 78     | 6.944 | 6.928 | 6.968 | VV | 3474  | 41881  | 0.69% | 0.040% |
| 79     | 7.007 | 6.968 | 7.033 | VV | 1808  | 48154  | 0.79% | 0.046% |
| 80     | 7.067 | 7.033 | 7.084 | VV | 2366  | 45295  | 0.75% | 0.043% |
| 81     | 7.100 | 7.084 | 7.123 | VV | 2529  | 38846  | 0.64% | 0.037% |
| 82     | 7.144 | 7.123 | 7.161 | VV | 1208  | 18379  | 0.30% | 0.017% |
| 83     | 7.193 | 7.161 | 7.214 | VV | 1344  | 28945  | 0.48% | 0.027% |
| 84     | 7.237 | 7.214 | 7.268 | VV | 2216  | 42682  | 0.70% | 0.041% |
| 85     | 7.297 | 7.268 | 7.332 | VV | 14500 | 198423 | 3.27% | 0.188% |
| 86     | 7.340 | 7.332 | 7.358 | VV | 1522  | 18415  | 0.30% | 0.017% |
| 87     | 7.383 | 7.358 | 7.408 | VV | 2776  | 45833  | 0.76% | 0.044% |
| 88     | 7.435 | 7.408 | 7.490 | VV | 10847 | 164860 | 2.72% | 0.157% |
| 89     | 7.503 | 7.490 | 7.541 | VV | 1149  | 19044  | 0.31% | 0.018% |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 90  | 7.552  | 7.541  | 7.563  | VV | 212    | 2496   | 0.04% | 0.002% |
| 91  | 7.612  | 7.563  | 7.665  | VV | 2823   | 51629  | 0.85% | 0.049% |
| 92  | 7.691  | 7.665  | 7.718  | VV | 1556   | 23721  | 0.39% | 0.023% |
| 93  | 7.730  | 7.718  | 7.768  | VV | 317    | 5073   | 0.08% | 0.005% |
| 94  | 7.787  | 7.768  | 7.815  | PV | 1183   | 16731  | 0.28% | 0.016% |
| 95  | 7.841  | 7.815  | 7.858  | VV | 759    | 10096  | 0.17% | 0.010% |
| 96  | 7.867  | 7.858  | 7.881  | VV | 355    | 3239   | 0.05% | 0.003% |
| 97  | 8.041  | 8.015  | 8.126  | VV | 2981   | 95053  | 1.57% | 0.090% |
| 98  | 8.197  | 8.126  | 8.235  | VV | 3185   | 91258  | 1.51% | 0.087% |
| 99  | 8.245  | 8.235  | 8.278  | VV | 1289   | 18941  | 0.31% | 0.018% |
| 100 | 8.313  | 8.278  | 8.359  | VV | 6368   | 124077 | 2.05% | 0.118% |
| 101 | 8.417  | 8.359  | 8.433  | VV | 9817   | 127247 | 2.10% | 0.121% |
| 102 | 8.445  | 8.433  | 8.471  | VV | 6036   | 76027  | 1.25% | 0.072% |
| 103 | 8.496  | 8.471  | 8.555  | VV | 5040   | 78677  | 1.30% | 0.075% |
| 104 | 8.588  | 8.555  | 8.632  | VV | 3567   | 86704  | 1.43% | 0.082% |
| 105 | 8.652  | 8.632  | 8.674  | VV | 1345   | 18892  | 0.31% | 0.018% |
| 106 | 8.694  | 8.674  | 8.728  | VV | 2220   | 29719  | 0.49% | 0.028% |
| 107 | 8.744  | 8.728  | 8.766  | VV | 769    | 8383   | 0.14% | 0.008% |
| 108 | 8.900  | 8.885  | 8.933  | VV | 3443   | 70422  | 1.16% | 0.067% |
| 109 | 8.953  | 8.933  | 8.981  | VV | 3465   | 65647  | 1.08% | 0.062% |
| 110 | 9.038  | 8.981  | 9.072  | VV | 9160   | 170359 | 2.81% | 0.162% |
| 111 | 9.091  | 9.072  | 9.109  | VV | 1692   | 22634  | 0.37% | 0.021% |
| 112 | 9.146  | 9.109  | 9.165  | VV | 3479   | 54571  | 0.90% | 0.052% |
| 113 | 9.183  | 9.165  | 9.205  | VV | 3075   | 45036  | 0.74% | 0.043% |
| 114 | 9.217  | 9.205  | 9.232  | VV | 1277   | 14879  | 0.25% | 0.014% |
| 115 | 9.271  | 9.232  | 9.298  | VV | 1840   | 43751  | 0.72% | 0.042% |
| 116 | 9.325  | 9.298  | 9.347  | VV | 18969  | 238754 | 3.94% | 0.227% |
| 117 | 9.357  | 9.347  | 9.391  | VV | 4433   | 62540  | 1.03% | 0.059% |
| 118 | 9.410  | 9.391  | 9.433  | VV | 1490   | 22137  | 0.37% | 0.021% |
| 119 | 9.474  | 9.433  | 9.491  | VV | 3360   | 50013  | 0.83% | 0.048% |
| 120 | 9.508  | 9.491  | 9.543  | VV | 3251   | 48310  | 0.80% | 0.046% |
| 121 | 9.560  | 9.543  | 9.574  | VV | 1002   | 13826  | 0.23% | 0.013% |
| 122 | 9.611  | 9.574  | 9.642  | VV | 4422   | 81886  | 1.35% | 0.078% |
| 123 | 9.655  | 9.642  | 9.670  | VV | 1059   | 12500  | 0.21% | 0.012% |
| 124 | 9.703  | 9.670  | 9.736  | VV | 6235   | 128765 | 2.13% | 0.122% |
| 125 | 9.779  | 9.736  | 9.812  | VV | 7496   | 182140 | 3.01% | 0.173% |
| 126 | 9.835  | 9.812  | 9.853  | VV | 5128   | 88206  | 1.46% | 0.084% |
| 127 | 9.888  | 9.853  | 9.921  | VV | 4951   | 145909 | 2.41% | 0.139% |
| 128 | 9.941  | 9.921  | 9.954  | VV | 2573   | 42712  | 0.70% | 0.041% |
| 129 | 9.977  | 9.954  | 10.004 | VV | 17006  | 241019 | 3.98% | 0.229% |
| 130 | 10.020 | 10.004 | 10.038 | VV | 5272   | 86072  | 1.42% | 0.082% |
| 131 | 10.065 | 10.038 | 10.085 | VV | 5479   | 124282 | 2.05% | 0.118% |
| 132 | 10.109 | 10.085 | 10.157 | VV | 43036  | 590603 | 9.75% | 0.561% |
| 133 | 10.184 | 10.157 | 10.198 | VV | 3942   | 87482  | 1.44% | 0.083% |
| 134 | 10.213 | 10.198 | 10.251 | VV | 4315   | 98667  | 1.63% | 0.094% |
| 135 | 10.284 | 10.251 | 10.306 | VV | 3650   | 88477  | 1.46% | 0.084% |
| 136 | 10.320 | 10.306 | 10.328 | VV | 2791   | 35197  | 0.58% | 0.033% |
| 137 | 10.341 | 10.328 | 10.364 | VV | 2898   | 51450  | 0.85% | 0.049% |
| 138 | 10.387 | 10.364 | 10.413 | VV | 3362   | 74896  | 1.24% | 0.071% |
| 139 | 10.455 | 10.413 | 10.470 | VV | 6462   | 147733 | 2.44% | 0.140% |
| 140 | 10.499 | 10.470 | 10.527 | VV | 29910  | 491519 | 8.11% | 0.467% |
| 141 | 10.552 | 10.527 | 10.569 | VV | 8946   | 163411 | 2.70% | 0.155% |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 142 | 10.587 | 10.569 | 10.610 | VV | 9396   | 168446  | 2.78%   | 0.160% |
| 143 | 10.644 | 10.610 | 10.671 | VV | 9823   | 215607  | 3.56%   | 0.205% |
| 144 | 10.697 | 10.671 | 10.728 | VV | 5620   | 145767  | 2.41%   | 0.138% |
| 145 | 10.765 | 10.728 | 10.808 | VV | 8048   | 285194  | 4.71%   | 0.271% |
| 146 | 10.851 | 10.808 | 10.887 | VV | 59401  | 925855  | 15.28%  | 0.879% |
| 147 | 10.923 | 10.887 | 10.956 | VV | 65465  | 1062264 | 17.53%  | 1.009% |
| 148 | 10.970 | 10.956 | 10.998 | VV | 6907   | 151824  | 2.51%   | 0.144% |
| 149 | 11.046 | 10.998 | 11.060 | VV | 5342   | 183358  | 3.03%   | 0.174% |
| 150 | 11.104 | 11.060 | 11.149 | VV | 41570  | 720037  | 11.88%  | 0.684% |
| 151 | 11.184 | 11.149 | 11.212 | VV | 12785  | 339055  | 5.60%   | 0.322% |
| 152 | 11.244 | 11.212 | 11.288 | VV | 12513  | 387609  | 6.40%   | 0.368% |
| 153 | 11.308 | 11.288 | 11.343 | VV | 9242   | 227202  | 3.75%   | 0.216% |
| 154 | 11.361 | 11.343 | 11.383 | VV | 8423   | 155544  | 2.57%   | 0.148% |
| 155 | 11.414 | 11.383 | 11.438 | VV | 7218   | 205265  | 3.39%   | 0.195% |
| 156 | 11.504 | 11.438 | 11.528 | VV | 6329   | 303599  | 5.01%   | 0.288% |
| 157 | 11.557 | 11.528 | 11.611 | VV | 59092  | 929880  | 15.35%  | 0.883% |
| 158 | 11.647 | 11.611 | 11.688 | VV | 43019  | 801286  | 13.22%  | 0.761% |
| 159 | 11.711 | 11.688 | 11.732 | VV | 6554   | 146649  | 2.42%   | 0.139% |
| 160 | 11.755 | 11.732 | 11.780 | VV | 6716   | 156248  | 2.58%   | 0.148% |
| 161 | 11.874 | 11.780 | 11.901 | VV | 493683 | 6059246 | 100.00% | 5.756% |
| 162 | 11.912 | 11.901 | 11.927 | VV | 15242  | 192728  | 3.18%   | 0.183% |
| 163 | 11.946 | 11.927 | 11.977 | VV | 19634  | 378820  | 6.25%   | 0.360% |
| 164 | 11.994 | 11.977 | 12.008 | VV | 9330   | 151465  | 2.50%   | 0.144% |
| 165 | 12.024 | 12.008 | 12.037 | VV | 9124   | 151037  | 2.49%   | 0.143% |
| 166 | 12.060 | 12.037 | 12.077 | VV | 12626  | 238947  | 3.94%   | 0.227% |
| 167 | 12.093 | 12.077 | 12.143 | VV | 12025  | 295944  | 4.88%   | 0.281% |
| 168 | 12.167 | 12.143 | 12.179 | VV | 5250   | 100281  | 1.66%   | 0.095% |
| 169 | 12.229 | 12.179 | 12.263 | VV | 52082  | 957468  | 15.80%  | 0.909% |
| 170 | 12.287 | 12.263 | 12.364 | VV | 7732   | 365600  | 6.03%   | 0.347% |
| 171 | 12.385 | 12.364 | 12.406 | VV | 8078   | 150745  | 2.49%   | 0.143% |
| 172 | 12.447 | 12.406 | 12.474 | VV | 5554   | 192703  | 3.18%   | 0.183% |
| 173 | 12.504 | 12.474 | 12.517 | VV | 6384   | 132942  | 2.19%   | 0.126% |
| 174 | 12.530 | 12.517 | 12.553 | VV | 6359   | 117156  | 1.93%   | 0.111% |
| 175 | 12.569 | 12.553 | 12.577 | VV | 4722   | 59943   | 0.99%   | 0.057% |
| 176 | 12.641 | 12.577 | 12.678 | VV | 9589   | 377691  | 6.23%   | 0.359% |
| 177 | 12.702 | 12.678 | 12.755 | VV | 7891   | 244947  | 4.04%   | 0.233% |
| 178 | 12.814 | 12.755 | 12.835 | VV | 12235  | 339814  | 5.61%   | 0.323% |
| 179 | 12.871 | 12.835 | 12.905 | VV | 43441  | 703432  | 11.61%  | 0.668% |
| 180 | 12.931 | 12.905 | 12.998 | VV | 47769  | 728012  | 12.01%  | 0.692% |
| 181 | 13.019 | 12.998 | 13.051 | VV | 3582   | 91772   | 1.51%   | 0.087% |
| 182 | 13.090 | 13.051 | 13.103 | VV | 3671   | 91770   | 1.51%   | 0.087% |
| 183 | 13.124 | 13.103 | 13.138 | VV | 5844   | 99469   | 1.64%   | 0.094% |
| 184 | 13.147 | 13.138 | 13.180 | VV | 5307   | 107115  | 1.77%   | 0.102% |
| 185 | 13.192 | 13.180 | 13.204 | VV | 3188   | 43482   | 0.72%   | 0.041% |
| 186 | 13.229 | 13.204 | 13.255 | VV | 40320  | 522497  | 8.62%   | 0.496% |
| 187 | 13.319 | 13.255 | 13.351 | VV | 348637 | 4532064 | 74.80%  | 4.305% |
| 188 | 13.369 | 13.351 | 13.394 | VV | 7058   | 138834  | 2.29%   | 0.132% |
| 189 | 13.406 | 13.394 | 13.457 | VV | 4388   | 112978  | 1.86%   | 0.107% |
| 190 | 13.485 | 13.457 | 13.548 | VV | 27153  | 445080  | 7.35%   | 0.423% |
| 191 | 13.563 | 13.548 | 13.608 | VV | 4178   | 78062   | 1.29%   | 0.074% |
| 192 | 13.655 | 13.608 | 13.674 | VV | 2527   | 72713   | 1.20%   | 0.069% |
| 193 | 13.699 | 13.674 | 13.776 | VV | 4743   | 158956  | 2.62%   | 0.151% |
| 194 | 13.825 | 13.776 | 13.854 | VV | 8872   | 190091  | 3.14%   | 0.181% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 195 | 13.866 | 13.854 | 13.877 | VV | 2122   | 25742   | 0.42%  | 0.024% |
| 196 | 13.931 | 13.877 | 13.951 | VV | 4135   | 107520  | 1.77%  | 0.102% |
| 197 | 13.973 | 13.951 | 14.038 | VV | 5764   | 130944  | 2.16%  | 0.124% |
| 198 | 14.073 | 14.038 | 14.123 | VV | 16093  | 296951  | 4.90%  | 0.282% |
| 199 | 14.143 | 14.123 | 14.189 | VV | 3982   | 72243   | 1.19%  | 0.069% |
| 200 | 14.224 | 14.189 | 14.250 | VV | 967    | 14976   | 0.25%  | 0.014% |
| 201 | 14.297 | 14.250 | 14.365 | PV | 2127   | 52528   | 0.87%  | 0.050% |
| 202 | 14.437 | 14.365 | 14.451 | PV | 970    | 21750   | 0.36%  | 0.021% |
| 203 | 14.464 | 14.451 | 14.477 | VV | 1643   | 19676   | 0.32%  | 0.019% |
| 204 | 14.495 | 14.477 | 14.504 | VV | 1922   | 26070   | 0.43%  | 0.025% |
| 205 | 14.533 | 14.504 | 14.550 | VV | 2165   | 53544   | 0.88%  | 0.051% |
| 206 | 14.572 | 14.550 | 14.603 | VV | 4710   | 73502   | 1.21%  | 0.070% |
| 207 | 14.637 | 14.603 | 14.691 | PV | 7634   | 125914  | 2.08%  | 0.120% |
| 208 | 14.699 | 14.691 | 14.715 | VV | 748    | 7426    | 0.12%  | 0.007% |
| 209 | 14.743 | 14.715 | 14.780 | VV | 4391   | 88625   | 1.46%  | 0.084% |
| 210 | 14.804 | 14.780 | 14.830 | VV | 5989   | 94546   | 1.56%  | 0.090% |
| 211 | 14.881 | 14.830 | 14.907 | VV | 3637   | 84116   | 1.39%  | 0.080% |
| 212 | 14.923 | 14.907 | 14.942 | VV | 1193   | 17418   | 0.29%  | 0.017% |
| 213 | 14.960 | 14.942 | 14.976 | VV | 1985   | 24982   | 0.41%  | 0.024% |
| 214 | 14.991 | 14.976 | 15.002 | VV | 1276   | 16482   | 0.27%  | 0.016% |
| 215 | 15.019 | 15.002 | 15.061 | VV | 1295   | 23332   | 0.39%  | 0.022% |
| 216 | 15.117 | 15.061 | 15.137 | VV | 18687  | 256078  | 4.23%  | 0.243% |
| 217 | 15.157 | 15.137 | 15.203 | VV | 21405  | 383684  | 6.33%  | 0.364% |
| 218 | 15.220 | 15.203 | 15.244 | VV | 2324   | 42063   | 0.69%  | 0.040% |
| 219 | 15.279 | 15.244 | 15.341 | VV | 3507   | 99966   | 1.65%  | 0.095% |
| 220 | 15.376 | 15.341 | 15.402 | VV | 1413   | 31918   | 0.53%  | 0.030% |
| 221 | 15.430 | 15.402 | 15.451 | PV | 2859   | 47945   | 0.79%  | 0.046% |
| 222 | 15.466 | 15.451 | 15.519 | VV | 2193   | 70162   | 1.16%  | 0.067% |
| 223 | 15.563 | 15.519 | 15.649 | VV | 21563  | 486364  | 8.03%  | 0.462% |
| 224 | 15.659 | 15.649 | 15.676 | VV | 1975   | 29146   | 0.48%  | 0.028% |
| 225 | 15.708 | 15.676 | 15.736 | VV | 5567   | 138190  | 2.28%  | 0.131% |
| 226 | 15.762 | 15.736 | 15.770 | VV | 3102   | 57944   | 0.96%  | 0.055% |
| 227 | 15.794 | 15.770 | 15.815 | VV | 8674   | 141246  | 2.33%  | 0.134% |
| 228 | 15.831 | 15.815 | 15.868 | VV | 5415   | 111372  | 1.84%  | 0.106% |
| 229 | 15.956 | 15.868 | 15.985 | VV | 5975   | 275742  | 4.55%  | 0.262% |
| 230 | 16.023 | 15.985 | 16.056 | VV | 5375   | 174173  | 2.87%  | 0.165% |
| 231 | 16.083 | 16.056 | 16.105 | VV | 5231   | 117685  | 1.94%  | 0.112% |
| 232 | 16.120 | 16.105 | 16.142 | VV | 4649   | 89273   | 1.47%  | 0.085% |
| 233 | 16.205 | 16.142 | 16.245 | VV | 7032   | 317514  | 5.24%  | 0.302% |
| 234 | 16.257 | 16.245 | 16.278 | VV | 4824   | 86380   | 1.43%  | 0.082% |
| 235 | 16.296 | 16.278 | 16.309 | VV | 4696   | 83353   | 1.38%  | 0.079% |
| 236 | 16.402 | 16.309 | 16.421 | VV | 9298   | 422773  | 6.98%  | 0.402% |
| 237 | 16.433 | 16.421 | 16.455 | VV | 7175   | 134910  | 2.23%  | 0.128% |
| 238 | 16.498 | 16.455 | 16.520 | VV | 10066  | 335738  | 5.54%  | 0.319% |
| 239 | 16.545 | 16.520 | 16.561 | VV | 11137  | 241973  | 3.99%  | 0.230% |
| 240 | 16.584 | 16.561 | 16.614 | VV | 11191  | 319658  | 5.28%  | 0.304% |
| 241 | 16.683 | 16.614 | 16.741 | VV | 35295  | 1231252 | 20.32% | 1.170% |
| 242 | 16.769 | 16.741 | 16.798 | VV | 114838 | 1716454 | 28.33% | 1.630% |
| 243 | 16.816 | 16.798 | 16.838 | VV | 15247  | 329419  | 5.44%  | 0.313% |
| 244 | 16.849 | 16.838 | 16.866 | VV | 13248  | 216793  | 3.58%  | 0.206% |
| 245 | 16.901 | 16.866 | 16.925 | VV | 13869  | 458841  | 7.57%  | 0.436% |
| 246 | 17.005 | 16.925 | 17.042 | VV | 29342  | 1218863 | 20.12% | 1.158% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 247 | 17.065 | 17.042 | 17.110 | VV | 28847  | 830037  | 13.70% | 0.788% |
| 248 | 17.171 | 17.110 | 17.203 | VV | 27011  | 1126538 | 18.59% | 1.070% |
| 249 | 17.281 | 17.203 | 17.306 | VV | 19276  | 1127968 | 18.62% | 1.071% |
| 250 | 17.386 | 17.306 | 17.427 | VV | 25284  | 1568266 | 25.88% | 1.490% |
| 251 | 17.447 | 17.427 | 17.458 | VV | 21253  | 386252  | 6.37%  | 0.367% |
| 252 | 17.473 | 17.458 | 17.505 | VV | 21097  | 581593  | 9.60%  | 0.552% |
| 253 | 17.565 | 17.505 | 17.583 | VV | 25208  | 1069588 | 17.65% | 1.016% |
| 254 | 17.602 | 17.583 | 17.650 | VV | 24393  | 909551  | 15.01% | 0.864% |
| 255 | 17.723 | 17.650 | 17.751 | VV | 28262  | 1435920 | 23.70% | 1.364% |
| 256 | 17.774 | 17.751 | 17.784 | VV | 22338  | 425589  | 7.02%  | 0.404% |
| 257 | 17.802 | 17.784 | 17.820 | VV | 22373  | 468622  | 7.73%  | 0.445% |
| 258 | 17.841 | 17.820 | 17.857 | VV | 22181  | 462426  | 7.63%  | 0.439% |
| 259 | 17.892 | 17.857 | 17.911 | VV | 23513  | 703440  | 11.61% | 0.668% |
| 260 | 17.941 | 17.911 | 17.968 | VV | 25891  | 781742  | 12.90% | 0.743% |
| 261 | 18.039 | 17.968 | 18.068 | VV | 27230  | 1450455 | 23.94% | 1.378% |
| 262 | 18.077 | 18.068 | 18.098 | VV | 22413  | 382480  | 6.31%  | 0.363% |
| 263 | 18.114 | 18.098 | 18.126 | VV | 21881  | 359309  | 5.93%  | 0.341% |
| 264 | 18.185 | 18.126 | 18.261 | VV | 27863  | 1974454 | 32.59% | 1.875% |
| 265 | 18.285 | 18.261 | 18.315 | VV | 22882  | 692111  | 11.42% | 0.657% |
| 266 | 18.354 | 18.315 | 18.371 | VV | 24766  | 749294  | 12.37% | 0.712% |
| 267 | 18.412 | 18.371 | 18.426 | VV | 27459  | 812880  | 13.42% | 0.772% |
| 268 | 18.445 | 18.426 | 18.508 | VV | 30419  | 1280447 | 21.13% | 1.216% |
| 269 | 18.521 | 18.508 | 18.531 | VV | 22524  | 302599  | 4.99%  | 0.287% |
| 270 | 18.554 | 18.531 | 18.578 | VV | 27616  | 685426  | 11.31% | 0.651% |
| 271 | 18.590 | 18.578 | 18.601 | VV | 22010  | 303614  | 5.01%  | 0.288% |
| 272 | 18.613 | 18.601 | 18.648 | VV | 21992  | 585178  | 9.66%  | 0.556% |
| 273 | 18.700 | 18.648 | 18.815 | VV | 28881  | 2039820 | 33.66% | 1.938% |
| 274 | 18.869 | 18.815 | 18.918 | VV | 25574  | 1226438 | 20.24% | 1.165% |
| 275 | 18.929 | 18.918 | 18.941 | VV | 17093  | 233518  | 3.85%  | 0.222% |
| 276 | 18.973 | 18.941 | 19.003 | VV | 19966  | 673929  | 11.12% | 0.640% |
| 277 | 19.025 | 19.003 | 19.096 | VV | 19167  | 978292  | 16.15% | 0.929% |
| 278 | 19.143 | 19.096 | 19.181 | VV | 17290  | 846744  | 13.97% | 0.804% |
| 279 | 19.194 | 19.181 | 19.204 | VV | 16108  | 217905  | 3.60%  | 0.207% |
| 280 | 19.239 | 19.204 | 19.261 | VV | 19001  | 608362  | 10.04% | 0.578% |
| 281 | 19.278 | 19.261 | 19.342 | VV | 19610  | 862715  | 14.24% | 0.819% |
| 282 | 19.380 | 19.342 | 19.428 | VV | 17560  | 822696  | 13.58% | 0.781% |
| 283 | 19.449 | 19.428 | 19.465 | VV | 15620  | 336299  | 5.55%  | 0.319% |
| 284 | 19.480 | 19.465 | 19.515 | VV | 15684  | 457086  | 7.54%  | 0.434% |
| 285 | 19.525 | 19.515 | 19.545 | VV | 15308  | 265552  | 4.38%  | 0.252% |
| 286 | 19.569 | 19.545 | 19.606 | VV | 15290  | 539556  | 8.90%  | 0.513% |
| 287 | 19.686 | 19.606 | 19.743 | VV | 16878  | 1247328 | 20.59% | 1.185% |
| 288 | 19.778 | 19.743 | 19.815 | VV | 16047  | 642081  | 10.60% | 0.610% |
| 289 | 19.880 | 19.815 | 19.908 | VV | 17795  | 911890  | 15.05% | 0.866% |
| 290 | 19.937 | 19.908 | 19.975 | VV | 18390  | 692874  | 11.43% | 0.658% |
| 291 | 19.982 | 19.975 | 19.990 | VV | 16845  | 156512  | 2.58%  | 0.149% |
| 292 | 20.021 | 19.990 | 20.060 | VV | 18538  | 732358  | 12.09% | 0.696% |
| 293 | 20.080 | 20.060 | 20.133 | VV | 17931  | 726759  | 11.99% | 0.690% |
| 294 | 20.247 | 20.133 | 20.291 | VV | 21524  | 1740976 | 28.73% | 1.654% |
| 295 | 20.307 | 20.291 | 20.325 | VV | 19013  | 378028  | 6.24%  | 0.359% |
| 296 | 20.405 | 20.325 | 20.443 | VV | 19592  | 1344530 | 22.19% | 1.277% |
| 297 | 20.691 | 20.443 | 20.700 | VV | 20377  | 2985327 | 49.27% | 2.836% |
| 298 | 20.729 | 20.700 | 20.738 | VV | 21209  | 468792  | 7.74%  | 0.445% |
| 299 | 20.762 | 20.738 | 20.811 | VV | 22039  | 923717  | 15.24% | 0.877% |

| rteres                  |        |        |        |    |           |         |        |        |
|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|
| 300                     | 20.820 | 20.811 | 20.847 | VV | 20756     | 437888  | 7.23%  | 0.416% |
| 301                     | 20.858 | 20.847 | 20.879 | VV | 19804     | 376967  | 6.22%  | 0.358% |
| 302                     | 20.900 | 20.879 | 20.954 | VV | 19665     | 864139  | 14.26% | 0.821% |
| 303                     | 20.968 | 20.954 | 20.985 | VV | 18903     | 339884  | 5.61%  | 0.323% |
| 304                     | 20.991 | 20.985 | 21.000 | VV | 18666     | 171031  | 2.82%  | 0.162% |
| 305                     | 21.096 | 21.000 | 21.113 | VV | 18367     | 1235257 | 20.39% | 1.173% |
| 306                     | 21.137 | 21.113 | 21.192 | VV | 17910     | 800872  | 13.22% | 0.761% |
| 307                     | 21.205 | 21.192 | 21.264 | VV | 16260     | 673863  | 11.12% | 0.640% |
| 308                     | 21.274 | 21.264 | 21.284 | VV | 14855     | 179726  | 2.97%  | 0.171% |
| 309                     | 21.293 | 21.284 | 21.339 | VV | 14762     | 473527  | 7.81%  | 0.450% |
| 310                     | 21.367 | 21.339 | 21.478 | VV | 14253     | 1079506 | 17.82% | 1.025% |
| 311                     | 21.486 | 21.478 | 21.498 | VV | 11807     | 139558  | 2.30%  | 0.133% |
| 312                     | 21.503 | 21.498 | 21.528 | VV | 11723     | 204293  | 3.37%  | 0.194% |
| 313                     | 21.549 | 21.528 | 21.564 | VV | 11519     | 242498  | 4.00%  | 0.230% |
| 314                     | 21.572 | 21.564 | 21.610 | VV | 11316     | 301666  | 4.98%  | 0.287% |
| 315                     | 21.670 | 21.610 | 21.725 | VV | 10465     | 699090  | 11.54% | 0.664% |
| 316                     | 21.734 | 21.725 | 21.761 | VV | 9751      | 208985  | 3.45%  | 0.199% |
| 317                     | 21.782 | 21.761 | 21.800 | VV | 9137      | 211876  | 3.50%  | 0.201% |
| 318                     | 21.824 | 21.800 | 21.901 | VV | 9505      | 527076  | 8.70%  | 0.501% |
| 319                     | 21.911 | 21.901 | 22.011 | VV | 7778      | 458978  | 7.57%  | 0.436% |
| 320                     | 22.032 | 22.011 | 22.045 | VV | 6362      | 123749  | 2.04%  | 0.118% |
| 321                     | 22.048 | 22.045 | 22.059 | VV | 6180      | 50808   | 0.84%  | 0.048% |
| 322                     | 22.068 | 22.059 | 22.091 | VV | 6011      | 112965  | 1.86%  | 0.107% |
| 323                     | 22.123 | 22.091 | 22.137 | VV | 5619      | 153101  | 2.53%  | 0.145% |
| 324                     | 22.149 | 22.137 | 22.176 | VV | 5659      | 122004  | 2.01%  | 0.116% |
| 325                     | 22.188 | 22.176 | 22.305 | VV | 5150      | 289102  | 4.77%  | 0.275% |
| 326                     | 22.325 | 22.305 | 22.365 | VV | 2057      | 61810   | 1.02%  | 0.059% |
| 327                     | 22.378 | 22.365 | 22.411 | VV | 1269      | 28732   | 0.47%  | 0.027% |
| 328                     | 22.439 | 22.411 | 22.480 | VV | 1391      | 38871   | 0.64%  | 0.037% |
| 329                     | 22.492 | 22.480 | 22.503 | VV | 861       | 11134   | 0.18%  | 0.011% |
| 330                     | 22.525 | 22.503 | 22.547 | VV | 918       | 18889   | 0.31%  | 0.018% |
| 331                     | 22.565 | 22.547 | 22.584 | VV | 435       | 7767    | 0.13%  | 0.007% |
| Sum of corrected areas: |        |        |        |    | 105276227 |         |        |        |

Aliphatic EPH 041725.M Wed Apr 23 03:42:23 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
Data File : FG015734.D  
Signal(s) : FID1A.ch  
Acq On : 22 Apr 2025 13:48  
Operator : YP\AJ  
Sample : PB167690BL  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
PB167690BL

Integration File: autoint1.e  
Quant Time: Apr 23 02:41:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 17 12:40:13 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response | Conc Units   |
|--------------------------------|--------|----------|--------------|
| -----                          |        |          |              |
| System Monitoring Compounds    |        |          |              |
| 9) S ortho-Terphenyl (SURR)    | 11.900 | 5635503  | 38.872 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 77.74%     |
| 12) S 1-chlorooctadecane (S... | 13.346 | 4130716  | 39.061 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 78.12%     |

Target Compounds

(f)=RT Delta > 1/2 Window

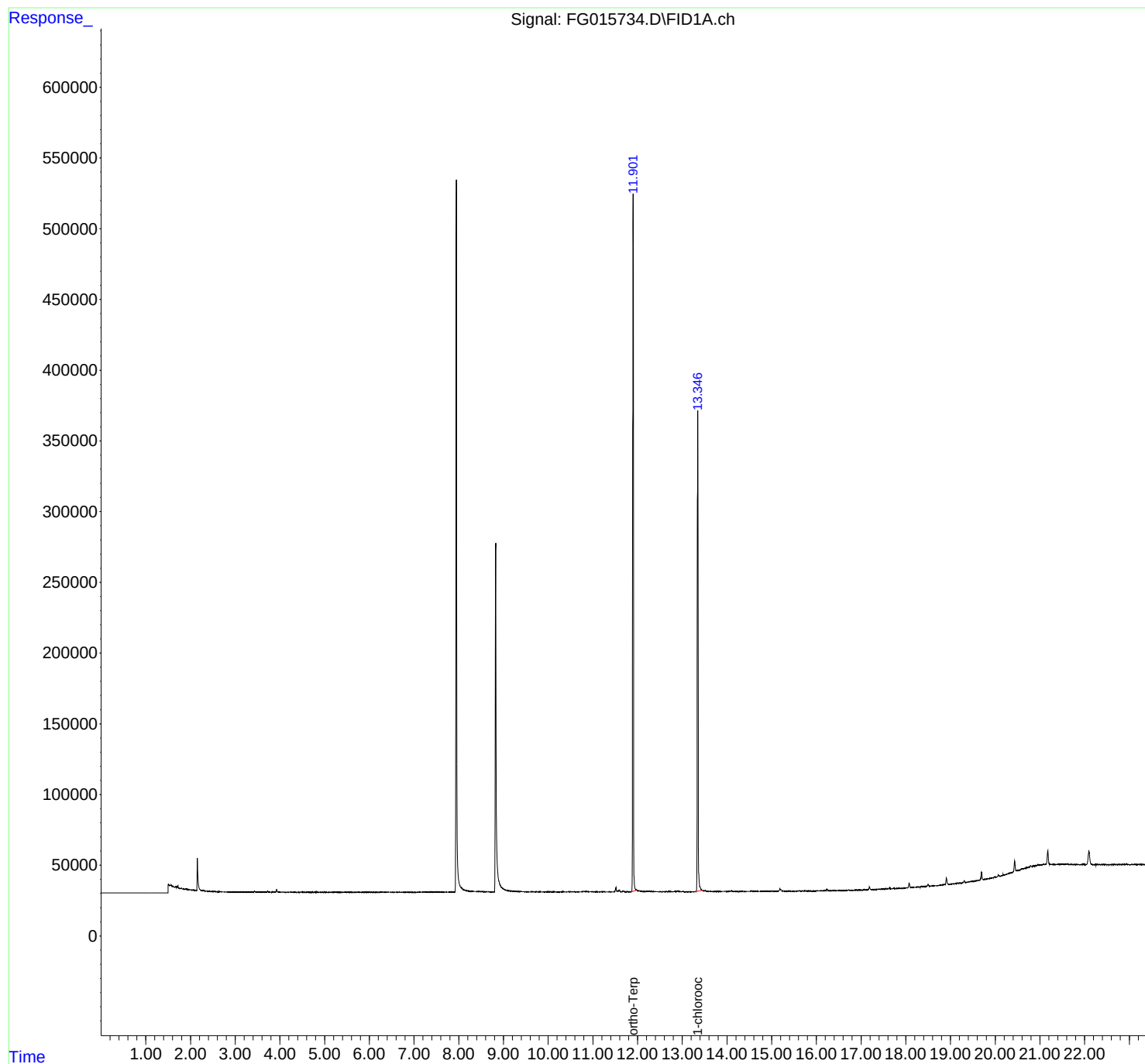
(m)=manual int.

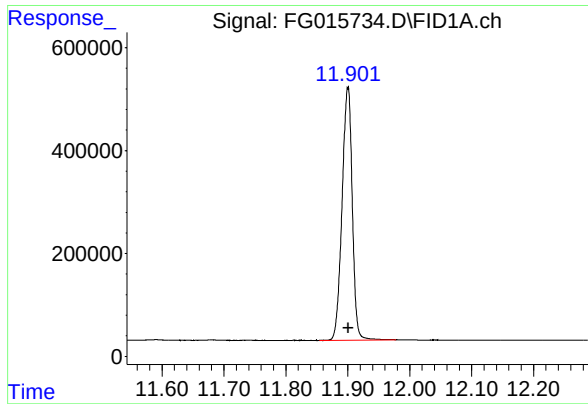
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
Data File : FG015734.D  
Signal(s) : FID1A.ch  
Acq On : 22 Apr 2025 13:48  
Operator : YP\AJ  
Sample : PB167690BL  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
PB167690BL

Integration File: autoint1.e  
Quant Time: Apr 23 02:41:49 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 17 12:40:13 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 ul  
Signal Phase : Rxi-1ms  
Signal Info : 20M x 0.18mm x 0.18um

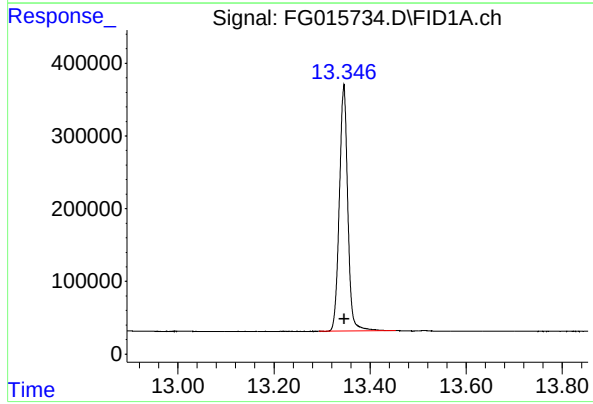




#9 ortho-Terphenyl (SURR)

R.T.: 11.900 min  
Delta R.T.: 0.000 min  
Response: 5635503  
Conc: 38.87 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
PB167690BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.346 min  
Delta R.T.: -0.001 min  
Response: 4130716  
Conc: 39.06 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
 Data File : FG015734.D  
 Signal(s) : FID1A.ch  
 Acq On : 22 Apr 2025 13:48  
 Sample : PB167690BL  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M  
 Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 11.900      | 11.854       | 11.978     | BB       | 490168         | 5635503      | 100.00%        | 57.704%       |
| 2                       | 13.346      | 13.294       | 13.454     | BB       | 337285         | 4130716      | 73.30%         | 42.296%       |
| Sum of corrected areas: |             |              |            |          |                | 9766219      |                |               |

Aliphatic EPH 041725.M Wed Apr 23 02:55:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
 Data File : FG015735.D  
 Signal(s) : FID1A.ch  
 Acq On : 22 Apr 2025 14:18  
 Operator : YP\AJ  
 Sample : PB167690BS  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

PB167690BS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:42:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Thu Apr 17 12:40:13 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.901 | 5947336    | 41.023 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 82.05%        |
| 12) S 1-chlorooctadecane (S... | 13.344 | 4670863    | 44.169 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 88.34%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.253  | 4384772    | 39.237 ug/ml  |
| 2) T n-Decane (C10)            | 4.509  | 4572683    | 40.778 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.218  | 5215413    | 44.953 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.686  | 4799134    | 41.974 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.319  | 4779810    | 42.935 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.523  | 4957541    | 43.504 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.136 | 4987500    | 42.654 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.584 | 5050828    | 42.224 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.898 | 5242678    | 44.058 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.512 | 5020601    | 42.446 ug/ml  |
| 13) T n-Docosane (C22)         | 14.100 | 4990954    | 42.798 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.206 | 9456441    | 82.053 ug/mlm |
| 15) T n-Hexacosane (C26)       | 16.233 | 4816385    | 43.130 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.184 | 4871281    | 44.760 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.074 | 4606107    | 42.288 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.907 | 4480997    | 41.652 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.693 | 4255446    | 41.765 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.433 | 3946799    | 40.347 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.173 | 3662198    | 40.122 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.094 | 3228198    | 38.225 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
Data File : FG015735.D  
Signal(s) : FID1A.ch  
Acq On : 22 Apr 2025 14:18  
Operator : YP\AJ  
Sample : PB167690BS  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

## Instrument :

FID\_G

## Client SampleId :

PB167690BS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:42:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 17 12:40:13 2025

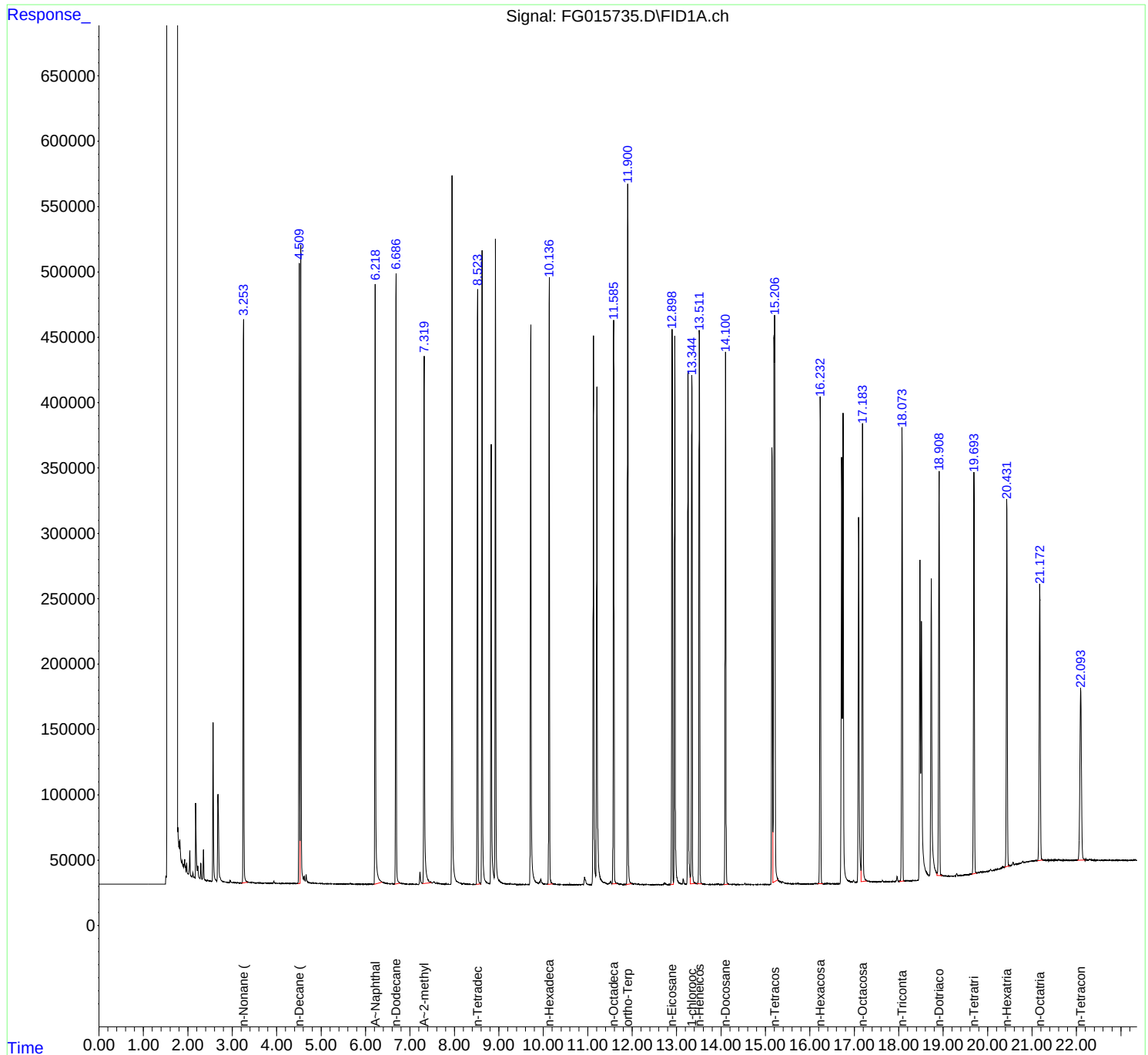
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID\_G

ClientSampleId :

PB167690BS

rteres

## Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG04222

Data File : FG015735.D

Signal(s) : FID1A.ch

Acq On : 22 Apr 2025 14:18

Sample : PB167690BS

Misc :

ALS Vial : 22 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.253       | 3.213        | 3.344      | BB       | 429953         | 4384772      | 73.73%         | 2.478%        |
| 2         | 4.509       | 4.477        | 4.525      | BV       | 474592         | 4572683      | 76.89%         | 2.585%        |
| 3         | 4.542       | 4.525        | 4.603      | VV       | 487531         | 5065781      | 85.18%         | 2.863%        |
| 4         | 6.218       | 6.190        | 6.373      | BB       | 458346         | 5215413      | 87.69%         | 2.948%        |
| 5         | 6.686       | 6.653        | 6.776      | BB       | 466129         | 4799134      | 80.69%         | 2.713%        |
| 6         | 7.319       | 7.280        | 7.483      | BB       | 403355         | 4779810      | 80.37%         | 2.702%        |
| 7         | 8.523       | 8.488        | 8.595      | BB       | 453734         | 4957541      | 83.36%         | 2.802%        |
| 8         | 8.625       | 8.598        | 8.746      | BB       | 482634         | 5284739      | 88.86%         | 2.987%        |
| 9         | 8.926       | 8.898        | 9.052      | VB       | 492399         | 5446972      | 91.59%         | 3.079%        |
| 10        | 9.720       | 9.684        | 9.857      | BB       | 426631         | 5238702      | 88.08%         | 2.961%        |
| 11        | 10.136      | 10.098       | 10.213     | BB       | 464174         | 4987500      | 83.86%         | 2.819%        |
| 12        | 11.131      | 11.075       | 11.181     | BV       | 418333         | 4968163      | 83.54%         | 2.808%        |
| 13        | 11.207      | 11.181       | 11.366     | VB       | 378514         | 4982124      | 83.77%         | 2.816%        |
| 14        | 11.584      | 11.548       | 11.657     | BB       | 428884         | 5050828      | 84.93%         | 2.855%        |
| 15        | 11.901      | 11.858       | 11.991     | BB       | 534853         | 5947336      | 100.00%        | 3.362%        |
| 16        | 12.898      | 12.858       | 12.929     | BV       | 422841         | 5242678      | 88.15%         | 2.963%        |
| 17        | 12.960      | 12.929       | 13.083     | VB       | 418727         | 5006503      | 84.18%         | 2.830%        |
| 18        | 13.258      | 13.223       | 13.308     | BV       | 392446         | 4849786      | 81.55%         | 2.741%        |
| 19        | 13.344      | 13.308       | 13.428     | VB       | 387703         | 4670863      | 78.54%         | 2.640%        |
| 20        | 13.512      | 13.461       | 13.578     | BB       | 422939         | 5020601      | 84.42%         | 2.838%        |
| 21        | 14.100      | 14.062       | 14.164     | BB       | 406362         | 4990954      | 83.92%         | 2.821%        |
| 22        | 15.147      | 15.113       | 15.167     | BV       | 324809         | 4125215      | 69.36%         | 2.332%        |
| 23        | 15.193      | 15.167       | 15.198     | VV       | 415256         | 4525450      | 76.09%         | 2.558%        |
| 24        | 15.206      | 15.198       | 15.330     | VB       | 434138         | 5073687      | 85.31%         | 2.868%        |
| 25        | 16.233      | 16.179       | 16.289     | BB       | 370852         | 4816385      | 80.98%         | 2.722%        |
| 26        | 16.716      | 16.665       | 16.730     | BV       | 325164         | 4320432      | 72.64%         | 2.442%        |
| 27        | 16.747      | 16.730       | 16.871     | VB       | 358500         | 4696616      | 78.97%         | 2.655%        |
| 28        | 17.097      | 17.047       | 17.150     | BV       | 276881         | 3997429      | 67.21%         | 2.259%        |
| 29        | 17.184      | 17.150       | 17.284     | VB       | 347445         | 4871281      | 81.91%         | 2.753%        |
| 30        | 18.074      | 18.012       | 18.130     | BB       | 342209         | 4606107      | 77.45%         | 2.603%        |
| 31        | 18.477      | 18.427       | 18.493     | BV       | 244363         | 3222488      | 54.18%         | 1.821%        |
| 32        | 18.510      | 18.493       | 18.683     | VB       | 196410         | 3662153      | 61.58%         | 2.070%        |
| 33        | 18.733      | 18.690       | 18.860     | BV       | 226878         | 3968877      | 66.73%         | 2.243%        |
| 34        | 18.907      | 18.860       | 18.975     | VB       | 304040         | 4480997      | 75.34%         | 2.533%        |
| 35        | 19.693      | 19.640       | 19.753     | BB       | 306412         | 4255446      | 71.55%         | 2.405%        |
| 36        | 20.433      | 20.390       | 20.498     | BB       | 278879         | 3946799      | 66.36%         | 2.231%        |

6

Instrument :

FID\_G

ClientSampleId :

PB167690BS

|    |        |        |        |    | rters                   |         |        |        |  |
|----|--------|--------|--------|----|-------------------------|---------|--------|--------|--|
| 37 | 21.173 | 21.120 | 21.244 | BB | 211116                  | 3662198 | 61.58% | 2.070% |  |
| 38 | 22.094 | 22.019 | 22.198 | BB | 130436                  | 3228198 | 54     |        |  |
|    |        |        |        |    | Sum of corrected areas: | 1769    |        |        |  |

Manual IntegrationsAPPROVED

Aliphatic EPH 041725.M Wed Apr 23 02:56:18 2025

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

B

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
 Data File : FG015736.D  
 Signal(s) : FID1A.ch  
 Acq On : 22 Apr 2025 14:47  
 Operator : YP\AJ  
 Sample : PB167690BSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

PB167690BSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:42:32 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Thu Apr 17 12:40:13 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units    |
|--------------------------------|--------|------------|---------------|
| -----                          |        |            |               |
| System Monitoring Compounds    |        |            |               |
| 9) S ortho-Terphenyl (SURR)    | 11.899 | 5230164    | 36.076 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 72.15%        |
| 12) S 1-chlorooctadecane (S... | 13.344 | 4125892    | 39.016 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 78.03%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.249  | 3803170    | 34.033 ug/ml  |
| 2) T n-Decane (C10)            | 4.507  | 3958481    | 35.301 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.218  | 4534803    | 39.086 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.686  | 4162418    | 36.405 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.319  | 4138117    | 37.171 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.523  | 4310940    | 37.830 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.136 | 4352115    | 37.220 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.584 | 4423303    | 36.978 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.899 | 4610527    | 38.745 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.512 | 4422093    | 37.386 ug/ml  |
| 13) T n-Docosane (C22)         | 14.101 | 4405019    | 37.774 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.205 | 8744718    | 75.878 ug/mlm |
| 15) T n-Hexacosane (C26)       | 16.232 | 4295013    | 38.461 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.184 | 4377689    | 40.225 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.073 | 4156591    | 38.161 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.908 | 4054743    | 37.689 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.693 | 3891149    | 38.189 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.434 | 3657836    | 37.393 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.174 | 3464692    | 37.958 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.096 | 3148209    | 37.278 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
Data File : FG015736.D  
Signal(s) : FID1A.ch  
Acq On : 22 Apr 2025 14:47  
Operator : YP\AJ  
Sample : PB167690BSD  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

## Instrument :

FID\_G

## Client SampleId :

PB167690BSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:42:32 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 17 12:40:13 2025

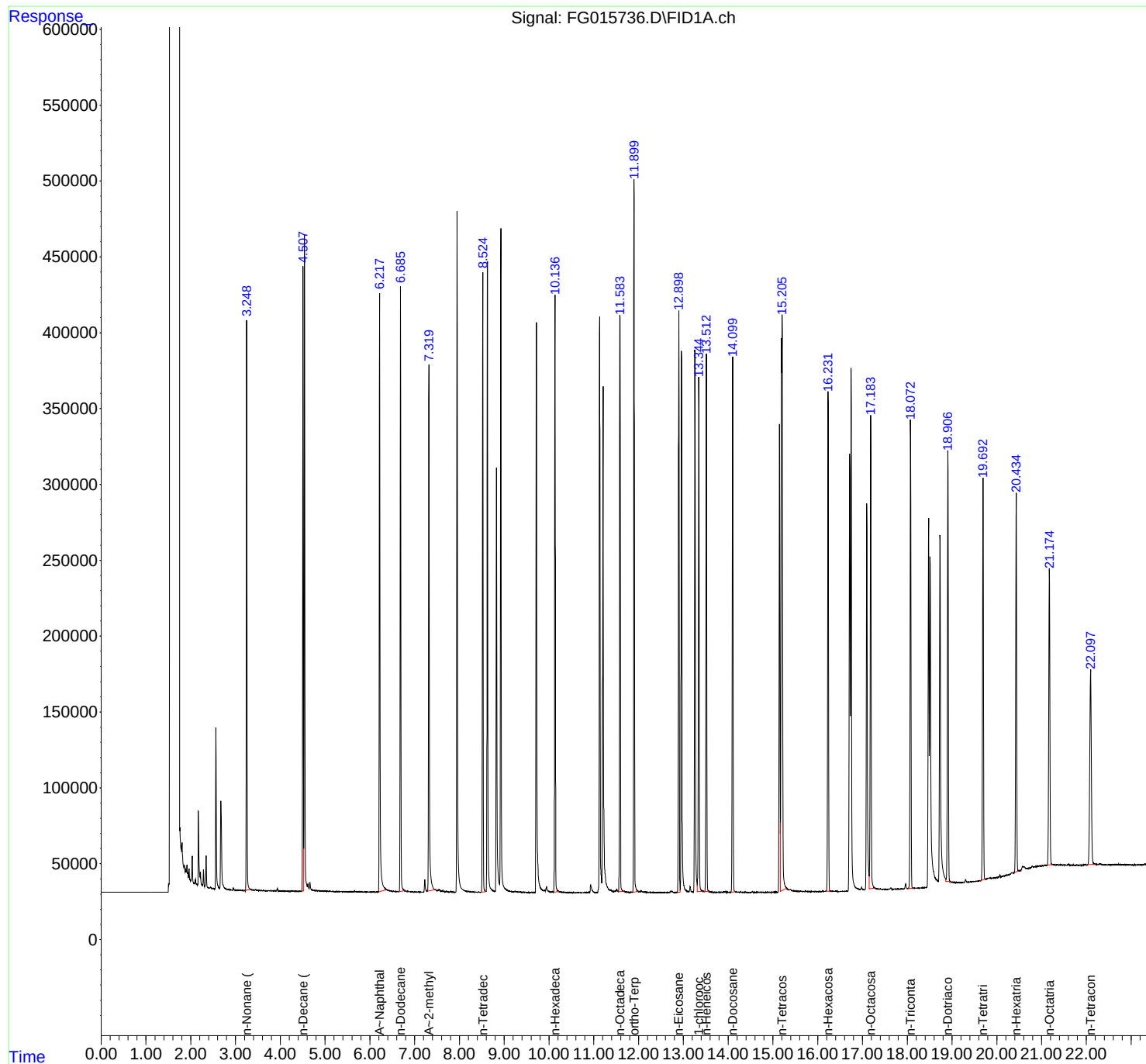
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID\_G

ClientSampleId :

PB167690BSD

rteres

## Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG04222  
 Data File : FG015736.D  
 Signal(s) : FID1A.ch  
 Acq On : 22 Apr 2025 14:47  
 Sample : PB167690BSD  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M  
 Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.249       | 3.207        | 3.337      | BB       | 375731         | 3803170      | 72.72%         | 2.382%        |
| 2         | 4.507       | 4.467        | 4.524      | BV       | 411434         | 3958481      | 75.69%         | 2.479%        |
| 3         | 4.541       | 4.524        | 4.603      | VV       | 431809         | 4415628      | 84.43%         | 2.766%        |
| 4         | 6.218       | 6.181        | 6.370      | BB       | 394073         | 4534803      | 86.70%         | 2.840%        |
| 5         | 6.686       | 6.649        | 6.773      | BB       | 398514         | 4162418      | 79.58%         | 2.607%        |
| 6         | 7.319       | 7.281        | 7.453      | BB       | 346700         | 4138117      | 79.12%         | 2.592%        |
| 7         | 8.523       | 8.491        | 8.595      | BB       | 408655         | 4310940      | 82.42%         | 2.700%        |
| 8         | 8.625       | 8.597        | 8.746      | BB       | 415667         | 4629872      | 88.52%         | 2.900%        |
| 9         | 8.927       | 8.898        | 9.051      | VB       | 436026         | 4775511      | 91.31%         | 2.991%        |
| 10        | 9.719       | 9.683        | 9.870      | BB       | 372698         | 4618244      | 88.30%         | 2.893%        |
| 11        | 10.136      | 10.098       | 10.218     | BB       | 393146         | 4352115      | 83.21%         | 2.726%        |
| 12        | 11.131      | 11.084       | 11.180     | BV       | 378948         | 4407628      | 84.27%         | 2.761%        |
| 13        | 11.207      | 11.180       | 11.370     | VB       | 332591         | 4484843      | 85.75%         | 2.809%        |
| 14        | 11.584      | 11.545       | 11.661     | BB       | 378665         | 4423303      | 84.57%         | 2.771%        |
| 15        | 11.899      | 11.863       | 11.988     | BB       | 468721         | 5230164      | 100.00%        | 3.276%        |
| 16        | 12.899      | 12.859       | 12.929     | BV       | 383526         | 4610527      | 88.15%         | 2.888%        |
| 17        | 12.959      | 12.929       | 13.083     | VB       | 355165         | 4486428      | 85.78%         | 2.810%        |
| 18        | 13.258      | 13.224       | 13.309     | BV       | 356383         | 4338340      | 82.95%         | 2.717%        |
| 19        | 13.344      | 13.309       | 13.426     | VB       | 338852         | 4125892      | 78.89%         | 2.584%        |
| 20        | 13.512      | 13.466       | 13.574     | BB       | 353670         | 4422093      | 84.55%         | 2.770%        |
| 21        | 14.101      | 14.059       | 14.163     | BB       | 352096         | 4405019      | 84.22%         | 2.759%        |
| 22        | 15.147      | 15.107       | 15.167     | BV       | 307814         | 3805295      | 72.76%         | 2.383%        |
| 23        | 15.191      | 15.167       | 15.198     | VV       | 364316         | 4079766      | 78.00%         | 2.555%        |
| 24        | 15.206      | 15.198       | 15.330     | VB       | 377084         | 4646904      | 88.85%         | 2.911%        |
| 25        | 16.232      | 16.183       | 16.288     | BB       | 325272         | 4295013      | 82.12%         | 2.690%        |
| 26        | 16.714      | 16.662       | 16.729     | BV       | 287093         | 3984196      | 76.18%         | 2.496%        |
| 27        | 16.747      | 16.729       | 16.868     | VB       | 343281         | 4445394      | 85.00%         | 2.784%        |
| 28        | 17.096      | 17.046       | 17.150     | BV       | 254960         | 3824427      | 73.12%         | 2.395%        |
| 29        | 17.184      | 17.150       | 17.280     | VB       | 310866         | 4377689      | 83.70%         | 2.742%        |
| 30        | 18.073      | 18.013       | 18.128     | BB       | 306603         | 4156591      | 79.47%         | 2.604%        |
| 31        | 18.477      | 18.425       | 18.493     | BV       | 242843         | 3325069      | 63.57%         | 2.083%        |
| 32        | 18.511      | 18.493       | 18.686     | VB       | 215215         | 3941597      | 75.36%         | 2.469%        |
| 33        | 18.732      | 18.687       | 18.862     | BV       | 226707         | 3921141      | 74.97%         | 2.456%        |
| 34        | 18.908      | 18.862       | 18.968     | VB       | 283264         | 4054743      | 77.53%         | 2.540%        |
| 35        | 19.693      | 19.640       | 19.754     | BB       | 262791         | 3891149      | 74.40%         | 2.437%        |
| 36        | 20.434      | 20.390       | 20.491     | BB       | 249713         | 3657836      | 69.94%         | 2.291%        |

6

Instrument :

FID\_G

ClientSampleId :

PB167690BSD

37 21.174 21.120 21.244 BB 195320 3464692 66.24% 2.170%

38 22.096 22.019 22.196 BB 128241 3148209 66.24% 2.170%

Sum of corrected areas: 1596

Manual IntegrationsAPPROVED

Aliphatic EPH 041725.M Wed Apr 23 02:57:00 2025

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

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Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
 Data File : FG015739.D  
 Signal(s) : FID1A.ch  
 Acq On : 22 Apr 2025 16:15  
 Operator : YP\AJ  
 Sample : Q1848-03MS  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

## Instrument :

FID\_G

ClientSampleId :

ETGI-275MS

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:43:39 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Thu Apr 17 12:40:13 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units   |
|--------------------------------|--------|------------|--------------|
| -----                          |        |            |              |
| System Monitoring Compounds    |        |            |              |
| 9) S ortho-Terphenyl (SURR)    | 11.900 | 3382078    | 23.329 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 46.66%       |
| 12) S 1-chlorooctadecane (S... | 13.346 | 3382551    | 31.986 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 63.97%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.243  | 2549580    | 22.815 ug/ml |
| 2) T n-Decane (C10)            | 4.505  | 2784116    | 24.828 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.218  | 3288329    | 28.343 ug/ml |
| 4) T n-Dodecane (C12)          | 6.686  | 3038575    | 26.576 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.320  | 3128049    | 28.098 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.523  | 3340928    | 29.318 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.135 | 3609805    | 30.872 ug/ml |
| 8) T n-Octadecane (C18)        | 11.585 | 3716787    | 31.072 ug/ml |
| 10) T n-Eicosane (C20)         | 12.901 | 4138906    | 34.782 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.515 | 4167389    | 35.233 ug/ml |
| 13) T n-Docosane (C22)         | 14.103 | 4552200    | 39.036 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.201 | 10577481   | 91.780 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.238 | 4160565    | 37.257 ug/ml |
| 16) T n-Octacosane (C28)       | 17.189 | 3990897    | 36.671 ug/ml |
| 17) T n-Tricontane (C30)       | 18.079 | 3797471    | 34.864 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.912 | 3826483    | 35.568 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.697 | 3672026    | 36.039 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.439 | 3159879    | 32.303 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.180 | 3126737    | 34.256 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.101 | 3083670    | 36.513 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
Data File : FG015739.D  
Signal(s) : FID1A.ch  
Acq On : 22 Apr 2025 16:15  
Operator : YP\AJ  
Sample : Q1848-03MS  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

## Instrument :

FID\_G

## ClientSampleId :

ETGI-275MS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:43:39 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 17 12:40:13 2025

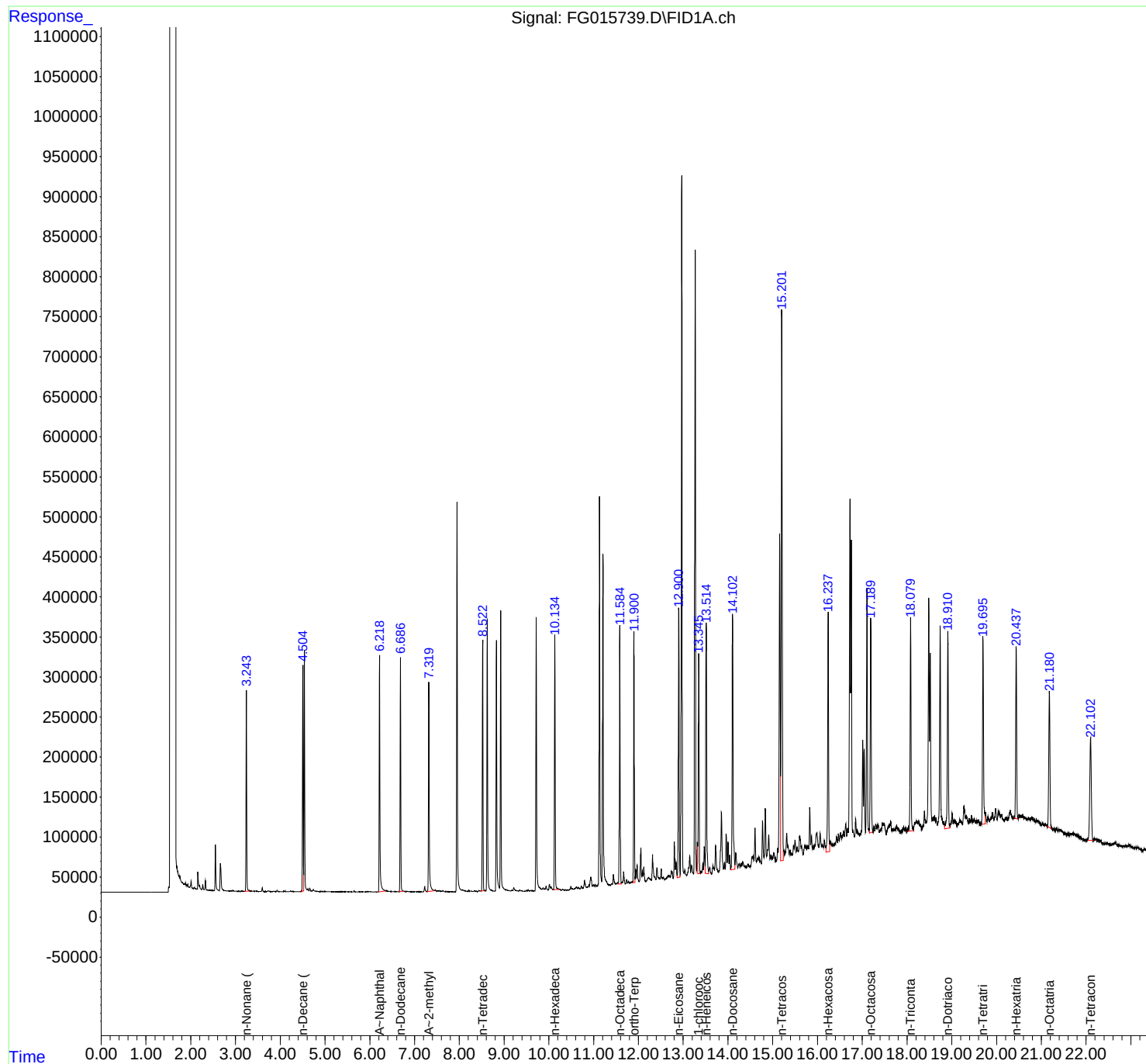
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID\_G

ClientSampleId :

ETGI-275MS

rteres

## Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG04222

Data File : FG015739.D

Signal(s) : FID1A.ch

Acq On : 22 Apr 2025 16:15

Sample : Q1848-03MS

Misc :

ALS Vial : 26 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.243       | 3.221        | 3.373      | BV       | 250634         | 2534117      | 22.22%         | 0.774%        |
| 2         | 3.385       | 3.373        | 3.417      | PV       | 120            | 1369         | 0.01%          | 0.000%        |
| 3         | 3.435       | 3.417        | 3.508      | PV       | 577            | 9350         | 0.08%          | 0.003%        |
| 4         | 3.519       | 3.508        | 3.540      | PV       | 109            | 1206         | 0.01%          | 0.000%        |
| 5         | 3.561       | 3.540        | 3.571      | VV       | 151            | 1568         | 0.01%          | 0.000%        |
| 6         | 3.598       | 3.571        | 3.638      | VV       | 4657           | 49925        | 0.44%          | 0.015%        |
| 7         | 3.644       | 3.638        | 3.659      | VV       | 38             | 518          | 0.00%          | 0.000%        |
| 8         | 3.699       | 3.659        | 3.709      | VV       | 234            | 2601         | 0.02%          | 0.001%        |
| 9         | 3.731       | 3.709        | 3.819      | VV       | 925            | 19634        | 0.17%          | 0.006%        |
| 10        | 3.850       | 3.819        | 3.907      | VV       | 468            | 11184        | 0.10%          | 0.003%        |
| 11        | 3.929       | 3.907        | 4.028      | VV       | 1764           | 22954        | 0.20%          | 0.007%        |
| 12        | 4.044       | 4.028        | 4.061      | PV       | 161            | 2375         | 0.02%          | 0.001%        |
| 13        | 4.086       | 4.061        | 4.141      | VV       | 1223           | 17346        | 0.15%          | 0.005%        |
| 14        | 4.153       | 4.141        | 4.190      | VV       | 206            | 3617         | 0.03%          | 0.001%        |
| 15        | 4.230       | 4.190        | 4.261      | VV       | 449            | 12735        | 0.11%          | 0.004%        |
| 16        | 4.284       | 4.261        | 4.353      | VV       | 305            | 11420        | 0.10%          | 0.003%        |
| 17        | 4.363       | 4.353        | 4.371      | VV       | 162            | 1316         | 0.01%          | 0.000%        |
| 18        | 4.382       | 4.371        | 4.411      | VV       | 186            | 2375         | 0.02%          | 0.001%        |
| 19        | 4.443       | 4.411        | 4.454      | VV       | 159            | 2943         | 0.03%          | 0.001%        |
| 20        | 4.461       | 4.454        | 4.475      | VV       | 270            | 1343         | 0.01%          | 0.000%        |
| 21        | 4.505       | 4.475        | 4.522      | VV       | 282707         | 2801434      | 24.57%         | 0.855%        |
| 22        | 4.538       | 4.522        | 4.599      | VV       | 300433         | 3095105      | 27.14%         | 0.945%        |
| 23        | 4.615       | 4.599        | 4.641      | VV       | 3743           | 63907        | 0.56%          | 0.020%        |
| 24        | 4.660       | 4.641        | 4.715      | VV       | 4385           | 85271        | 0.75%          | 0.026%        |
| 25        | 4.738       | 4.715        | 4.885      | VV       | 2817           | 98708        | 0.87%          | 0.030%        |
| 26        | 4.894       | 4.885        | 4.985      | VV       | 414            | 20124        | 0.18%          | 0.006%        |
| 27        | 4.987       | 4.985        | 5.004      | VV       | 366            | 3769         | 0.03%          | 0.001%        |
| 28        | 5.016       | 5.004        | 5.108      | VV       | 377            | 16734        | 0.15%          | 0.005%        |
| 29        | 5.121       | 5.108        | 5.159      | VV       | 222            | 5260         | 0.05%          | 0.002%        |
| 30        | 5.175       | 5.159        | 5.198      | VV       | 236            | 3620         | 0.03%          | 0.001%        |
| 31        | 5.223       | 5.198        | 5.255      | VV       | 257            | 6653         | 0.06%          | 0.002%        |
| 32        | 5.265       | 5.255        | 5.377      | VV       | 222            | 10330        | 0.09%          | 0.003%        |
| 33        | 5.401       | 5.377        | 5.447      | VV       | 273            | 6622         | 0.06%          | 0.002%        |
| 34        | 5.494       | 5.447        | 5.563      | VV       | 387            | 13892        | 0.12%          | 0.004%        |
| 35        | 5.585       | 5.563        | 5.622      | VV       | 206            | 2819         | 0.02%          | 0.001%        |
| 36        | 5.652       | 5.622        | 5.691      | PV       | 792            | 11668        | 0.10%          | 0.004%        |

| Parameters |       |       |       |    |        | Instrument :     |               |
|------------|-------|-------|-------|----|--------|------------------|---------------|
|            |       |       |       |    |        | FID_G            |               |
|            |       |       |       |    |        | ClientSampleId : |               |
|            |       |       |       |    |        | ETGI-275MS       |               |
| 37         | 5.797 | 5.691 | 5.816 | VV | 311    | 10502            | 0.09% 0.003%  |
| 38         | 5.843 | 5.816 | 5.890 | VV | 575    | 9990             |               |
| 39         | 5.946 | 5.890 | 5.954 | VV | 588    | 12393            |               |
| 40         | 5.966 | 5.954 | 6.039 | VV | 650    | 18596            |               |
| 41         | 6.049 | 6.039 | 6.085 | VV | 134    | 1740             |               |
| 42         | 6.091 | 6.085 | 6.098 | VV | 36     | 310              |               |
| 43         | 6.119 | 6.098 | 6.187 | VV | 260    | 3444             | 0.03% 0.001%  |
| 44         | 6.218 | 6.187 | 6.525 | PV | 294780 | 3440767          | 30.18% 1.051% |
| 45         | 6.573 | 6.525 | 6.653 | VV | 535    | 29524            | 0.26% 0.009%  |
| 46         | 6.686 | 6.653 | 6.821 | VV | 291212 | 3103246          | 27.22% 0.948% |
| 47         | 6.841 | 6.821 | 6.901 | VV | 738    | 21026            | 0.18% 0.006%  |
| 48         | 6.909 | 6.901 | 6.958 | VV | 278    | 7129             | 0.06% 0.002%  |
| 49         | 6.970 | 6.958 | 6.991 | VV | 305    | 4872             | 0.04% 0.001%  |
| 50         | 7.017 | 6.991 | 7.066 | VV | 421    | 11779            | 0.10% 0.004%  |
| 51         | 7.098 | 7.066 | 7.124 | VV | 296    | 6273             | 0.06% 0.002%  |
| 52         | 7.138 | 7.124 | 7.173 | VV | 198    | 2901             | 0.03% 0.001%  |
| 53         | 7.227 | 7.173 | 7.285 | VV | 6790   | 109347           | 0.96% 0.033%  |
| 54         | 7.320 | 7.285 | 7.446 | VV | 259384 | 3223594          | 28.27% 0.984% |
| 55         | 7.463 | 7.446 | 7.496 | VV | 2572   | 52276            | 0.46% 0.016%  |
| 56         | 7.531 | 7.496 | 7.585 | VV | 1636   | 61251            | 0.54% 0.019%  |
| 57         | 7.602 | 7.585 | 7.621 | VV | 934    | 16961            | 0.15% 0.005%  |
| 58         | 7.637 | 7.621 | 7.675 | VV | 1950   | 29359            | 0.26% 0.009%  |
| 59         | 7.692 | 7.675 | 7.753 | VV | 422    | 16000            | 0.14% 0.005%  |
| 60         | 7.762 | 7.753 | 7.779 | VV | 242    | 2776             | 0.02% 0.001%  |
| 61         | 7.811 | 7.779 | 7.838 | VV | 630    | 10711            | 0.09% 0.003%  |
| 62         | 7.852 | 7.838 | 7.887 | VV | 252    | 3368             | 0.03% 0.001%  |
| 63         | 8.070 | 8.049 | 8.149 | VV | 2578   | 99849            | 0.88% 0.030%  |
| 64         | 8.162 | 8.149 | 8.187 | VV | 849    | 16744            | 0.15% 0.005%  |
| 65         | 8.212 | 8.187 | 8.228 | VV | 1515   | 23792            | 0.21% 0.007%  |
| 66         | 8.239 | 8.228 | 8.255 | VV | 837    | 11902            | 0.10% 0.004%  |
| 67         | 8.270 | 8.255 | 8.314 | VV | 955    | 20194            | 0.18% 0.006%  |
| 68         | 8.340 | 8.314 | 8.366 | VV | 1162   | 22005            | 0.19% 0.007%  |
| 69         | 8.385 | 8.366 | 8.403 | VV | 1081   | 14440            | 0.13% 0.004%  |
| 70         | 8.445 | 8.403 | 8.462 | VV | 1419   | 26998            | 0.24% 0.008%  |
| 71         | 8.477 | 8.462 | 8.490 | VV | 892    | 13365            | 0.12% 0.004%  |
| 72         | 8.523 | 8.490 | 8.595 | VV | 311721 | 3413554          | 29.94% 1.042% |
| 73         | 8.625 | 8.595 | 8.798 | VV | 340716 | 3869365          | 33.94% 1.181% |
| 74         | 8.926 | 8.897 | 9.049 | VV | 346434 | 3974817          | 34.86% 1.214% |
| 75         | 9.062 | 9.049 | 9.108 | VV | 1970   | 51945            | 0.46% 0.016%  |
| 76         | 9.114 | 9.108 | 9.138 | VV | 1047   | 15508            | 0.14% 0.005%  |
| 77         | 9.174 | 9.138 | 9.193 | VV | 1794   | 37232            | 0.33% 0.011%  |
| 78         | 9.218 | 9.193 | 9.328 | VV | 4762   | 133153           | 1.17% 0.041%  |
| 79         | 9.350 | 9.328 | 9.376 | VV | 1710   | 28501            | 0.25% 0.009%  |
| 80         | 9.389 | 9.376 | 9.465 | VV | 866    | 17802            | 0.16% 0.005%  |
| 81         | 9.501 | 9.465 | 9.519 | PV | 1460   | 21175            | 0.19% 0.006%  |
| 82         | 9.540 | 9.519 | 9.569 | VV | 1276   | 25259            | 0.22% 0.008%  |
| 83         | 9.591 | 9.569 | 9.612 | VV | 1013   | 16588            | 0.15% 0.005%  |
| 84         | 9.635 | 9.612 | 9.664 | VV | 934    | 15588            | 0.14% 0.005%  |
| 85         | 9.720 | 9.664 | 9.791 | PV | 339003 | 3979090          | 34.90% 1.215% |
| 86         | 9.797 | 9.791 | 9.854 | VV | 4527   | 109674           | 0.96% 0.033%  |
| 87         | 9.872 | 9.854 | 9.894 | VV | 3864   | 66925            | 0.59% 0.020%  |
| 88         | 9.911 | 9.894 | 9.920 | VV | 2610   | 34577            | 0.30% 0.011%  |
| 89         | 9.940 | 9.920 | 9.979 | VV | 5613   | 100646           | 0.88% 0.031%  |

Instrument :

FID\_G

ClientSampleId :

ETGI-275MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

|     |        |        |        |    |        |          |        |        |
|-----|--------|--------|--------|----|--------|----------|--------|--------|
| 90  | 10.013 | 9.979  | 10.036 | VV | 7765   | 137065   | 1.20%  | 0.042% |
| 91  | 10.051 | 10.036 | 10.097 | VV | 4954   | 102925   |        |        |
| 92  | 10.136 | 10.097 | 10.275 | VV | 319670 | 3724237  |        |        |
| 93  | 10.305 | 10.275 | 10.341 | VV | 1102   | 25195    |        |        |
| 94  | 10.361 | 10.341 | 10.390 | VV | 486    | 6958     |        |        |
| 95  | 10.409 | 10.390 | 10.435 | VV | 259    | 3408     |        |        |
| 96  | 10.492 | 10.435 | 10.511 | PV | 4054   | 58327    | 0.51%  | 0.018% |
| 97  | 10.525 | 10.511 | 10.550 | VV | 1571   | 22941    | 0.20%  | 0.007% |
| 98  | 10.617 | 10.550 | 10.638 | VV | 3376   | 79237    | 0.69%  | 0.024% |
| 99  | 10.656 | 10.638 | 10.701 | VV | 2397   | 43184    | 0.38%  | 0.013% |
| 100 | 10.728 | 10.701 | 10.764 | VV | 3661   | 56716    | 0.50%  | 0.017% |
| 101 | 10.796 | 10.764 | 10.839 | VV | 10426  | 197659   | 1.73%  | 0.060% |
| 102 | 10.899 | 10.839 | 10.909 | VV | 4645   | 96038    | 0.84%  | 0.029% |
| 103 | 10.937 | 10.909 | 10.973 | VV | 13679  | 307297   | 2.70%  | 0.094% |
| 104 | 10.994 | 10.973 | 11.015 | VV | 3878   | 69289    | 0.61%  | 0.021% |
| 105 | 11.032 | 11.015 | 11.051 | VV | 4191   | 53377    | 0.47%  | 0.016% |
| 106 | 11.073 | 11.051 | 11.086 | VV | 2391   | 37194    | 0.33%  | 0.011% |
| 107 | 11.133 | 11.086 | 11.180 | VV | 486273 | 5603898  | 49.15% | 1.711% |
| 108 | 11.208 | 11.180 | 11.341 | VV | 417203 | 5258621  | 46.12% | 1.606% |
| 109 | 11.354 | 11.341 | 11.372 | VV | 1627   | 26268    | 0.23%  | 0.008% |
| 110 | 11.408 | 11.372 | 11.420 | VV | 3180   | 60020    | 0.53%  | 0.018% |
| 111 | 11.441 | 11.420 | 11.491 | VV | 14415  | 264644   | 2.32%  | 0.081% |
| 112 | 11.506 | 11.491 | 11.520 | VV | 2630   | 39216    | 0.34%  | 0.012% |
| 113 | 11.539 | 11.520 | 11.551 | VV | 3585   | 52268    | 0.46%  | 0.016% |
| 114 | 11.585 | 11.551 | 11.616 | VV | 321862 | 3781797  | 33.17% | 1.155% |
| 115 | 11.629 | 11.616 | 11.641 | VV | 3462   | 46897    | 0.41%  | 0.014% |
| 116 | 11.671 | 11.641 | 11.708 | VV | 16593  | 275798   | 2.42%  | 0.084% |
| 117 | 11.737 | 11.708 | 11.758 | VV | 6360   | 93257    | 0.82%  | 0.028% |
| 118 | 11.780 | 11.758 | 11.815 | VV | 3484   | 83173    | 0.73%  | 0.025% |
| 119 | 11.838 | 11.815 | 11.858 | VV | 2619   | 54656    | 0.48%  | 0.017% |
| 120 | 11.900 | 11.858 | 11.925 | VV | 312016 | 3456383  | 30.31% | 1.055% |
| 121 | 11.941 | 11.925 | 11.955 | VV | 17510  | 214774   | 1.88%  | 0.066% |
| 122 | 11.972 | 11.955 | 12.017 | VV | 23348  | 367668   | 3.22%  | 0.112% |
| 123 | 12.053 | 12.017 | 12.074 | VV | 44193  | 642432   | 5.63%  | 0.196% |
| 124 | 12.089 | 12.074 | 12.104 | VV | 16605  | 219551   | 1.93%  | 0.067% |
| 125 | 12.121 | 12.104 | 12.169 | VV | 19360  | 325370   | 2.85%  | 0.099% |
| 126 | 12.230 | 12.169 | 12.290 | VV | 6306   | 304020   | 2.67%  | 0.093% |
| 127 | 12.315 | 12.290 | 12.390 | VV | 34312  | 721341   | 6.33%  | 0.220% |
| 128 | 12.414 | 12.390 | 12.464 | VV | 17160  | 344179   | 3.02%  | 0.105% |
| 129 | 12.477 | 12.464 | 12.491 | VV | 4049   | 60312    | 0.53%  | 0.018% |
| 130 | 12.509 | 12.491 | 12.546 | VV | 15652  | 242261   | 2.12%  | 0.074% |
| 131 | 12.560 | 12.546 | 12.585 | VV | 4546   | 78727    | 0.69%  | 0.024% |
| 132 | 12.665 | 12.585 | 12.675 | VV | 6481   | 206002   | 1.81%  | 0.063% |
| 133 | 12.687 | 12.675 | 12.718 | VV | 6436   | 136341   | 1.20%  | 0.042% |
| 134 | 12.736 | 12.718 | 12.774 | VV | 11636  | 272936   | 2.39%  | 0.083% |
| 135 | 12.803 | 12.774 | 12.825 | VV | 47262  | 647924   | 5.68%  | 0.198% |
| 136 | 12.842 | 12.825 | 12.864 | VV | 22110  | 341952   | 3.00%  | 0.104% |
| 137 | 12.901 | 12.864 | 12.931 | VV | 339449 | 4251915  | 37.29% | 1.298% |
| 138 | 12.969 | 12.931 | 13.016 | VV | 873899 | 10923412 | 95.80% | 3.335% |
| 139 | 13.035 | 13.016 | 13.084 | VV | 11293  | 296926   | 2.60%  | 0.091% |
| 140 | 13.146 | 13.084 | 13.167 | VV | 28656  | 665641   | 5.84%  | 0.203% |
| 141 | 13.187 | 13.167 | 13.230 | VV | 16091  | 401072   | 3.52%  | 0.122% |

Instrument :

FID\_G

ClientSampleId :

ETGI-275MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Instrument :

FID\_G

ClientSampleId :

ETGI-275MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 142    | 13.267 | 13.230 | 13.296 | VV | 785107 | 9852813  | 86.41%  | 3.008% |
| 143    | 13.346 | 13.296 | 13.411 | VV | 277221 | 4165392  | 36.41%  | 0.000% |
| 144    | 13.437 | 13.411 | 13.451 | VV | 17812  | 274329   | 2.74%   | 0.000% |
| 145    | 13.470 | 13.451 | 13.487 | VV | 37227  | 534281   | 5.34%   | 0.000% |
| 146    | 13.515 | 13.487 | 13.568 | VV | 316812 | 4378619  | 38.79%  | 0.000% |
| 147    | 13.592 | 13.568 | 13.637 | VV | 11739  | 301197   | 2.96%   | 0.103% |
| 148    | 13.662 | 13.637 | 13.698 | VV | 13571  | 337603   | 7.10%   | 0.247% |
| 149    | 13.724 | 13.698 | 13.779 | VV | 37592  | 809956   | 16.06%  | 0.559% |
| 150    | 13.853 | 13.779 | 13.902 | VV | 79154  | 1830952  | 2.15%   | 0.075% |
| 151    | 13.920 | 13.902 | 13.937 | VV | 16247  | 244852   | 6.70%   | 0.233% |
| 152    | 13.961 | 13.937 | 13.983 | VV | 50189  | 764072   | 5.58%   | 0.194% |
| 153    | 14.001 | 13.983 | 14.023 | VV | 41117  | 636764   | 3.39%   | 0.118% |
| 154    | 14.038 | 14.023 | 14.062 | VV | 24753  | 386737   | 42.95%  | 1.495% |
| 155    | 14.103 | 14.062 | 14.155 | VV | 320114 | 4897541  | 5.54%   | 0.193% |
| 156    | 14.174 | 14.155 | 14.220 | VV | 26552  | 632114   | 2.84%   | 0.099% |
| 157    | 14.251 | 14.220 | 14.270 | VV | 12824  | 324324   | 2.83%   | 0.099% |
| 158    | 14.295 | 14.270 | 14.318 | VV | 12809  | 323139   | 4.63%   | 0.161% |
| 159    | 14.335 | 14.318 | 14.404 | VV | 14466  | 528295   | 3.51%   | 0.122% |
| 160    | 14.445 | 14.404 | 14.478 | VV | 11253  | 400380   | 1.13%   | 0.039% |
| 161    | 14.490 | 14.478 | 14.505 | VV | 8585   | 128638   | 4.34%   | 0.151% |
| 162    | 14.548 | 14.505 | 14.558 | VV | 20258  | 494618   | 1.97%   | 0.068% |
| 163    | 14.564 | 14.558 | 14.579 | VV | 19493  | 224206   | 9.14%   | 0.318% |
| 164    | 14.603 | 14.579 | 14.645 | VV | 54525  | 1042346  | 3.09%   | 0.108% |
| 165    | 14.665 | 14.645 | 14.681 | VV | 17779  | 352135   | 4.81%   | 0.168% |
| 166    | 14.694 | 14.681 | 14.744 | VV | 19073  | 548727   | 10.37%  | 0.361% |
| 167    | 14.772 | 14.744 | 14.807 | VV | 63832  | 1182223  | 12.34%  | 0.430% |
| 168    | 14.834 | 14.807 | 14.863 | VV | 77199  | 1407245  | 10.82%  | 0.377% |
| 169    | 14.910 | 14.863 | 14.938 | VV | 44982  | 1233912  | 5.39%   | 0.188% |
| 170    | 14.957 | 14.938 | 15.001 | VV | 19920  | 614962   | 7.09%   | 0.247% |
| 171    | 15.021 | 15.001 | 15.085 | VV | 22459  | 808008   | 3.76%   | 0.131% |
| 172    | 15.108 | 15.085 | 15.120 | VV | 27451  | 428337   | 57.48%  | 2.001% |
| 173    | 15.154 | 15.120 | 15.176 | VV | 421144 | 6554341  | 100.00% | 3.482% |
| 174    | 15.201 | 15.176 | 15.267 | VV | 697466 | 11402190 | 10.31%  | 0.359% |
| 175    | 15.311 | 15.267 | 15.333 | VV | 45496  | 1175558  | 4.38%   | 0.153% |
| 176    | 15.342 | 15.333 | 15.366 | VV | 28919  | 499672   | 7.40%   | 0.258% |
| 177    | 15.385 | 15.366 | 15.438 | VV | 23543  | 843841   | 5.29%   | 0.184% |
| 178    | 15.465 | 15.438 | 15.480 | VV | 28873  | 603647   | 7.03%   | 0.245% |
| 179    | 15.497 | 15.480 | 15.526 | VV | 35692  | 801786   | 5.87%   | 0.204% |
| 180    | 15.545 | 15.526 | 15.574 | VV | 26722  | 669389   | 15.64%  | 0.545% |
| 181    | 15.603 | 15.574 | 15.681 | VV | 39293  | 1783413  | 9.84%   | 0.343% |
| 182    | 15.728 | 15.681 | 15.758 | VV | 26550  | 1122108  | 6.10%   | 0.212% |
| 183    | 15.783 | 15.758 | 15.805 | VV | 26866  | 695750   | 10.75%  | 0.374% |
| 184    | 15.827 | 15.805 | 15.849 | VV | 74127  | 1226268  | 7.93%   | 0.276% |
| 185    | 15.865 | 15.849 | 15.900 | VV | 38478  | 904306   | 20.30%  | 0.707% |
| 186    | 15.985 | 15.900 | 16.028 | VV | 41755  | 2314138  | 10.69%  | 0.372% |
| 187    | 16.058 | 16.028 | 16.094 | VV | 40759  | 1218514  | 5.32%   | 0.185% |
| 188    | 16.106 | 16.094 | 16.135 | VV | 25703  | 606867   | 7.46%   | 0.260% |
| 189    | 16.152 | 16.135 | 16.188 | VV | 31555  | 851034   | 43.81%  | 1.525% |
| 190    | 16.238 | 16.188 | 16.269 | VV | 313886 | 4995470  | 6.30%   | 0.219% |
| 191    | 16.282 | 16.269 | 16.312 | VV | 29238  | 718470   | 5.18%   | 0.180% |
| 192    | 16.330 | 16.312 | 16.351 | VV | 26792  | 590283   | 3.56%   | 0.124% |
| 193    | 16.365 | 16.351 | 16.378 | VV | 26661  | 406450   | 10.92%  | 0.380% |
| 194    | 16.429 | 16.378 | 16.449 | VV | 33751  | 1245013  |         |        |

|     |        |        |        |    |        |         |                                |        |
|-----|--------|--------|--------|----|--------|---------|--------------------------------|--------|
|     |        |        |        |    |        |         | Instrument :<br>FID_G          |        |
|     |        |        |        |    |        |         | ClientSampleId :<br>ETGI-275MS |        |
| 195 | 16.468 | 16.449 | 16.488 | VV | 37815  | 777512  | 6.82%                          | 0.237% |
|     |        |        |        |    |        |         | Manual IntegrationsAPPROVED    |        |
| 196 | 16.512 | 16.488 | 16.545 | VV | 39162  | 1183943 | 10.36%                         | 0.361% |
| 197 | 16.577 | 16.545 | 16.603 | VV | 40570  | 1274721 | 12.72%                         | 0.443% |
| 198 | 16.629 | 16.603 | 16.654 | VV | 49684  | 1284188 | 11.07%                         | 0.351% |
| 199 | 16.672 | 16.654 | 16.687 | VV | 43226  | 780658  | 6.07%                          | 0.211% |
| 200 | 16.725 | 16.687 | 16.741 | VV | 452777 | 7416189 | 65.37%                         | 1.858% |
| 201 | 16.754 | 16.741 | 16.827 | VV | 401732 | 6089791 | 53.41%                         | 1.859% |
| 202 | 16.853 | 16.827 | 16.873 | VV | 55196  | 1181239 | 10.36%                         | 0.361% |
| 203 | 16.885 | 16.873 | 16.938 | VV | 41240  | 1449989 | 12.72%                         | 0.443% |
| 204 | 16.949 | 16.938 | 16.956 | VV | 36469  | 375524  | 3.29%                          | 0.115% |
| 205 | 17.010 | 16.956 | 17.027 | VV | 151222 | 3045689 | 26.71%                         | 0.930% |
| 206 | 17.043 | 17.027 | 17.072 | VV | 141367 | 2342593 | 20.55%                         | 0.715% |
| 207 | 17.105 | 17.072 | 17.148 | VV | 339637 | 5691199 | 49.91%                         | 1.738% |
| 208 | 17.189 | 17.148 | 17.245 | VV | 297195 | 6107080 | 53.56%                         | 1.865% |
| 209 | 17.262 | 17.245 | 17.281 | VV | 43763  | 892841  | 7.83%                          | 0.273% |
| 210 | 17.301 | 17.281 | 17.331 | VV | 45647  | 1242077 | 10.89%                         | 0.379% |
| 211 | 17.352 | 17.331 | 17.397 | VV | 45502  | 1617781 | 14.19%                         | 0.494% |
| 212 | 17.446 | 17.397 | 17.488 | VV | 47207  | 2277284 | 19.97%                         | 0.695% |
| 213 | 17.491 | 17.488 | 17.537 | VV | 45390  | 1148734 | 10.07%                         | 0.351% |
| 214 | 17.633 | 17.537 | 17.664 | VV | 48536  | 3076801 | 26.98%                         | 0.939% |
| 215 | 17.678 | 17.664 | 17.725 | VV | 37478  | 1328507 | 11.65%                         | 0.406% |
| 216 | 17.768 | 17.725 | 17.790 | VV | 42315  | 1514597 | 13.28%                         | 0.462% |
| 217 | 17.801 | 17.790 | 17.852 | VV | 38879  | 1318061 | 11.56%                         | 0.402% |
| 218 | 17.923 | 17.852 | 17.951 | VV | 38506  | 2073787 | 18.19%                         | 0.633% |
| 219 | 17.966 | 17.951 | 17.995 | VV | 37444  | 934780  | 8.20%                          | 0.285% |
| 220 | 18.003 | 17.995 | 18.027 | VV | 35800  | 692538  | 6.07%                          | 0.211% |
| 221 | 18.080 | 18.027 | 18.141 | VV | 300018 | 6085720 | 53.37%                         | 1.858% |
| 222 | 18.214 | 18.141 | 18.245 | VV | 44813  | 2608138 | 22.87%                         | 0.796% |
| 223 | 18.258 | 18.245 | 18.281 | VV | 44731  | 919059  | 8.06%                          | 0.281% |
| 224 | 18.294 | 18.281 | 18.338 | VV | 40257  | 1265251 | 11.10%                         | 0.386% |
| 225 | 18.388 | 18.338 | 18.434 | VV | 56385  | 2491935 | 21.85%                         | 0.761% |
| 226 | 18.485 | 18.434 | 18.501 | VV | 321946 | 5558337 | 48.75%                         | 1.697% |
| 227 | 18.517 | 18.501 | 18.571 | VV | 252110 | 4866923 | 42.68%                         | 1.486% |
| 228 | 18.585 | 18.571 | 18.600 | VV | 48114  | 802201  | 7.04%                          | 0.245% |
| 229 | 18.616 | 18.600 | 18.631 | VV | 49000  | 874939  | 7.67%                          | 0.267% |
| 230 | 18.648 | 18.631 | 18.681 | VV | 45995  | 1272498 | 11.16%                         | 0.389% |
| 231 | 18.740 | 18.681 | 18.809 | VV | 286859 | 6523741 | 57.21%                         | 1.992% |
| 232 | 18.823 | 18.809 | 18.857 | VV | 41138  | 1108497 | 9.72%                          | 0.338% |
| 233 | 18.912 | 18.857 | 18.963 | VV | 277670 | 5848956 | 51.30%                         | 1.786% |
| 234 | 19.009 | 18.963 | 19.029 | VV | 50621  | 1617683 | 14.19%                         | 0.494% |
| 235 | 19.056 | 19.029 | 19.127 | VV | 42149  | 2270638 | 19.91%                         | 0.693% |
| 236 | 19.178 | 19.127 | 19.241 | VV | 41834  | 2601878 | 22.82%                         | 0.794% |
| 237 | 19.271 | 19.241 | 19.369 | VV | 57238  | 3448846 | 30.25%                         | 1.053% |
| 238 | 19.390 | 19.369 | 19.411 | VV | 42040  | 980211  | 8.60%                          | 0.299% |
| 239 | 19.442 | 19.411 | 19.478 | VV | 45537  | 1611109 | 14.13%                         | 0.492% |
| 240 | 19.486 | 19.478 | 19.490 | VV | 38681  | 277857  | 2.44%                          | 0.085% |
| 241 | 19.499 | 19.490 | 19.521 | VV | 40928  | 726900  | 6.38%                          | 0.222% |
| 242 | 19.563 | 19.521 | 19.588 | VV | 38068  | 1493015 | 13.09%                         | 0.456% |
| 243 | 19.601 | 19.588 | 19.631 | VV | 38715  | 937428  | 8.22%                          | 0.286% |
| 244 | 19.698 | 19.631 | 19.746 | VV | 263009 | 5978313 | 52.43%                         | 1.825% |
| 245 | 19.756 | 19.746 | 19.780 | VV | 46451  | 853489  | 7.49%                          | 0.261% |
| 246 | 19.811 | 19.780 | 19.822 | VV | 41587  | 992777  | 8.71%                          | 0.303% |

| rteres                  |        |        |        |    |           |         |        |        |  |
|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|--|
| 247                     | 19.828 | 19.822 | 19.848 | VV | 39380     | 588972  | 5.17%  | 0.180% |  |
| 248                     | 19.874 | 19.848 | 19.888 | VV | 39831     | 924628  |        |        |  |
| 249                     | 19.910 | 19.888 | 19.937 | VV | 46632     | 1255411 | 11.8%  |        |  |
| 250                     | 19.979 | 19.937 | 20.011 | VV | 51140     | 1903616 | 10.6%  |        |  |
| 251                     | 20.040 | 20.011 | 20.085 | VV | 47548     | 1892815 | 16.8%  |        |  |
| 252                     | 20.115 | 20.085 | 20.174 | VV | 42719     | 2078221 | 18.8%  |        |  |
| 253                     | 20.207 | 20.174 | 20.257 | VV | 38594     | 1808766 | 15.86% | 0.552% |  |
| 254                     | 20.309 | 20.257 | 20.397 | VV | 46731     | 3373321 | 29.58% | 1.030% |  |
| 255                     | 20.439 | 20.397 | 20.485 | VV | 250617    | 5096700 | 44.70% | 1.556% |  |
| 256                     | 20.501 | 20.485 | 20.522 | VV | 41149     | 848587  | 7.44%  | 0.259% |  |
| 257                     | 20.545 | 20.522 | 20.555 | VV | 39322     | 751773  | 6.59%  | 0.230% |  |
| 258                     | 20.573 | 20.555 | 20.625 | VV | 39664     | 1581122 | 13.87% | 0.483% |  |
| 259                     | 20.634 | 20.625 | 20.689 | VV | 37347     | 1364221 | 11.96% | 0.417% |  |
| 260                     | 20.713 | 20.689 | 20.757 | VV | 34944     | 1393690 | 12.22% | 0.426% |  |
| 261                     | 20.801 | 20.757 | 20.838 | VV | 35988     | 1650635 | 14.48% | 0.504% |  |
| 262                     | 20.847 | 20.838 | 20.871 | VV | 32392     | 616838  | 5.41%  | 0.188% |  |
| 263                     | 20.883 | 20.871 | 20.909 | VV | 31441     | 696207  | 6.11%  | 0.213% |  |
| 264                     | 20.919 | 20.909 | 20.938 | VV | 31246     | 530820  | 4.66%  | 0.162% |  |
| 265                     | 20.951 | 20.938 | 21.011 | VV | 29527     | 1210667 | 10.62% | 0.370% |  |
| 266                     | 21.025 | 21.011 | 21.055 | VV | 27212     | 669812  | 5.87%  | 0.205% |  |
| 267                     | 21.069 | 21.055 | 21.085 | VV | 26076     | 456234  | 4.00%  | 0.139% |  |
| 268                     | 21.094 | 21.085 | 21.128 | VV | 25536     | 635767  | 5.58%  | 0.194% |  |
| 269                     | 21.181 | 21.128 | 21.285 | VV | 190763    | 5038108 | 44.19% | 1.538% |  |
| 270                     | 21.291 | 21.285 | 21.305 | VV | 18285     | 215724  | 1.89%  | 0.066% |  |
| 271                     | 21.341 | 21.305 | 21.378 | VV | 18973     | 774433  | 6.79%  | 0.236% |  |
| 272                     | 21.396 | 21.378 | 21.422 | VV | 17347     | 437973  | 3.84%  | 0.134% |  |
| 273                     | 21.429 | 21.422 | 21.539 | VV | 16883     | 966584  | 8.48%  | 0.295% |  |
| 274                     | 21.552 | 21.539 | 21.569 | VV | 11524     | 193760  | 1.70%  | 0.059% |  |
| 275                     | 21.579 | 21.569 | 21.587 | VV | 10215     | 108432  | 0.95%  | 0.033% |  |
| 276                     | 21.622 | 21.587 | 21.633 | VV | 11570     | 291861  | 2.56%  | 0.089% |  |
| 277                     | 21.654 | 21.633 | 21.665 | VV | 11143     | 202267  | 1.77%  | 0.062% |  |
| 278                     | 21.672 | 21.665 | 21.681 | VV | 11187     | 103339  | 0.91%  | 0.032% |  |
| 279                     | 21.693 | 21.681 | 21.720 | VV | 10578     | 234713  | 2.06%  | 0.072% |  |
| 280                     | 21.730 | 21.720 | 21.767 | VV | 10280     | 267083  | 2.34%  | 0.082% |  |
| 281                     | 21.777 | 21.767 | 21.950 | VV | 8862      | 597125  | 5.24%  | 0.182% |  |
| 282                     | 21.963 | 21.950 | 22.008 | VV | 2075      | 39460   | 0.35%  | 0.012% |  |
| 283                     | 22.100 | 22.008 | 22.161 | VV | 128175    | 3133490 | 27.48% | 0.957% |  |
| 284                     | 22.178 | 22.161 | 22.191 | PV | 537       | 5695    | 0.05%  | 0.002% |  |
| Sum of corrected areas: |        |        |        |    | 327499868 |         |        |        |  |

Instrument :

FID\_G

ClientSampleId :

ETGI-275MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Aliphatic EPH 041725.M Wed Apr 23 02:59:45 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
 Data File : FG015740.D  
 Signal(s) : FID1A.ch  
 Acq On : 22 Apr 2025 16:45  
 Operator : YP\AJ  
 Sample : Q1848-03MSD  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

## Instrument :

FID\_G

ClientSampleId :

ETGI-275MSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:44:03 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

QLast Update : Thu Apr 17 12:40:13 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

| Compound                       | R.T.   | Response   | Conc Units   |
|--------------------------------|--------|------------|--------------|
| -----                          |        |            |              |
| System Monitoring Compounds    |        |            |              |
| 9) S ortho-Terphenyl (SURR)    | 11.902 | 3294434    | 22.724 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 45.45%       |
| 12) S 1-chlorooctadecane (S... | 13.347 | 3374845    | 31.913 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 63.83%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.243  | 2505780    | 22.423 ug/ml |
| 2) T n-Decane (C10)            | 4.505  | 2737194    | 24.410 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.218  | 3204530    | 27.621 ug/ml |
| 4) T n-Dodecane (C12)          | 6.686  | 2977025    | 26.037 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.320  | 3051315    | 27.409 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.524  | 3275546    | 28.744 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.136 | 3489085    | 29.839 ug/ml |
| 8) T n-Octadecane (C18)        | 11.585 | 3631276    | 30.357 ug/ml |
| 10) T n-Eicosane (C20)         | 12.902 | 4059360    | 34.113 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.516 | 4135972    | 34.967 ug/ml |
| 13) T n-Docosane (C22)         | 14.103 | 4489007    | 38.494 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.202 | 10459525   | 90.757 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.238 | 3972231    | 35.571 ug/ml |
| 16) T n-Octacosane (C28)       | 17.187 | 3915271    | 35.976 ug/ml |
| 17) T n-Tricontane (C30)       | 18.080 | 4004292    | 36.763 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.914 | 3666183    | 34.078 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.699 | 3539843    | 34.741 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.440 | 3109609    | 31.789 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.180 | 3022444    | 33.113 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.102 | 3037178    | 35.963 ug/ml |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG042225AL\  
Data File : FG015740.D  
Signal(s) : FID1A.ch  
Acq On : 22 Apr 2025 16:45  
Operator : YP\AJ  
Sample : Q1848-03MSD  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

## Instrument :

FID\_G

## Client SampleId :

ETGI-275MSD

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e

Quant Time: Apr 23 02:44:03 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Quant Title : GC Extractables

Qlast Update : Thu Apr 17 12:40:13 2025

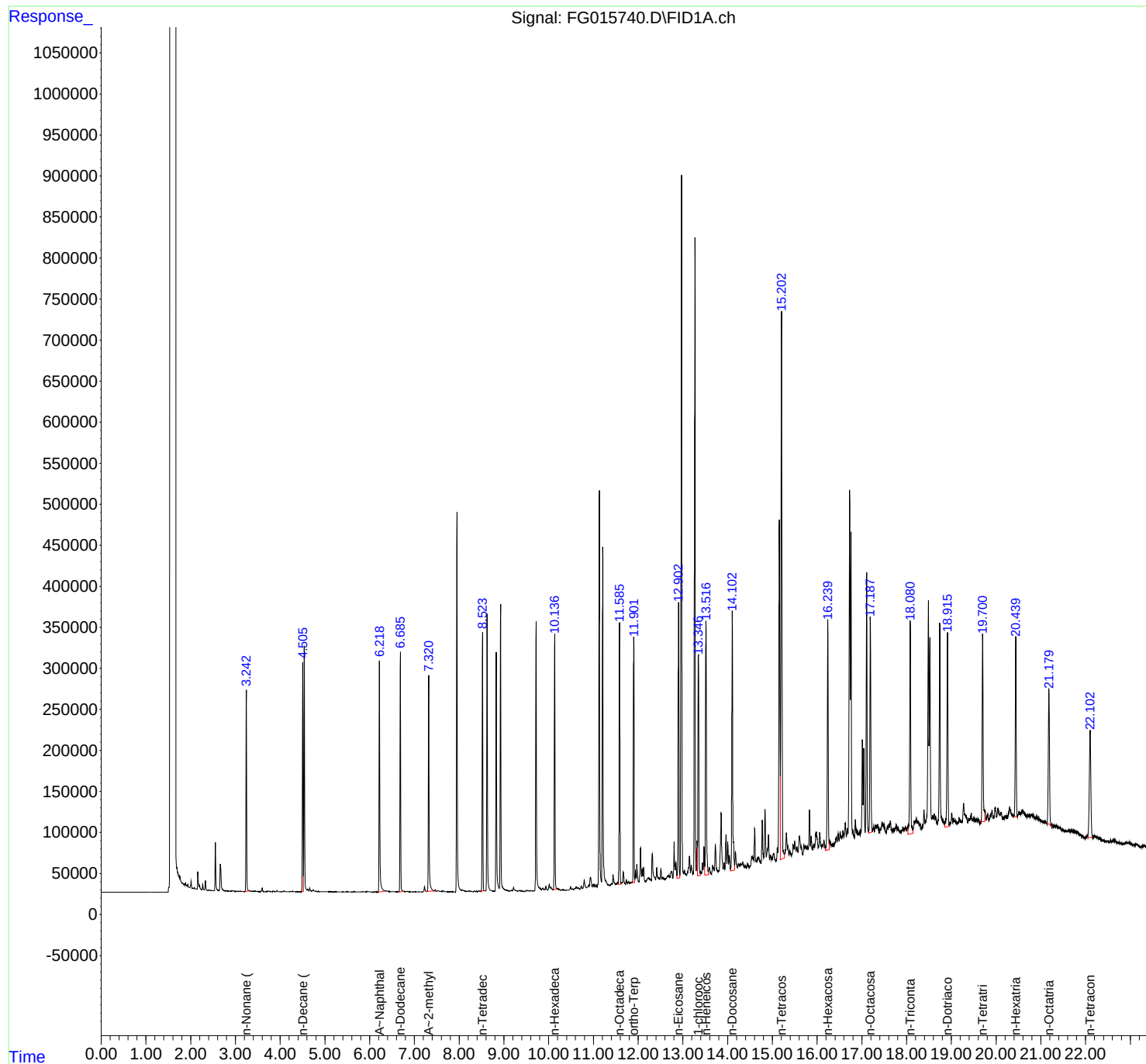
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID\_G

ClientSampleId :

ETGI-275MSD

rteres

## Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG04222

Data File : FG015740.D

Signal(s) : FID1A.ch

Acq On : 22 Apr 2025 16:45

Sample : Q1848-03MSD

Misc :

ALS Vial : 27 Sample Multiplier: 1

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 041725.M

Title : GC Extractables

Signal : FID1A.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.243       | 3.221        | 3.372      | BV       | 244434         | 2491432      | 22.42%         | 0.789%        |
| 2         | 3.386       | 3.372        | 3.417      | PV       | 105            | 1414         | 0.01%          | 0.000%        |
| 3         | 3.434       | 3.417        | 3.478      | VV       | 507            | 6958         | 0.06%          | 0.002%        |
| 4         | 3.486       | 3.478        | 3.508      | VV       | 140            | 1354         | 0.01%          | 0.000%        |
| 5         | 3.525       | 3.508        | 3.541      | PV       | 126            | 1218         | 0.01%          | 0.000%        |
| 6         | 3.598       | 3.541        | 3.671      | PV       | 4524           | 51435        | 0.46%          | 0.016%        |
| 7         | 3.731       | 3.671        | 3.816      | PV       | 892            | 21069        | 0.19%          | 0.007%        |
| 8         | 3.851       | 3.816        | 3.908      | VV       | 474            | 11271        | 0.10%          | 0.004%        |
| 9         | 3.929       | 3.908        | 4.031      | VV       | 1538           | 19069        | 0.17%          | 0.006%        |
| 10        | 4.044       | 4.031        | 4.064      | PV       | 206            | 2247         | 0.02%          | 0.001%        |
| 11        | 4.086       | 4.064        | 4.144      | VV       | 1215           | 14835        | 0.13%          | 0.005%        |
| 12        | 4.160       | 4.144        | 4.195      | VV       | 140            | 3324         | 0.03%          | 0.001%        |
| 13        | 4.233       | 4.195        | 4.259      | VV       | 514            | 11653        | 0.10%          | 0.004%        |
| 14        | 4.274       | 4.259        | 4.356      | VV       | 423            | 11204        | 0.10%          | 0.004%        |
| 15        | 4.377       | 4.356        | 4.410      | VV       | 123            | 2583         | 0.02%          | 0.001%        |
| 16        | 4.422       | 4.410        | 4.470      | VV       | 130            | 2331         | 0.02%          | 0.001%        |
| 17        | 4.505       | 4.470        | 4.522      | VV       | 279398         | 2748380      | 24.73%         | 0.870%        |
| 18        | 4.539       | 4.522        | 4.599      | VV       | 299017         | 3022898      | 27.20%         | 0.957%        |
| 19        | 4.615       | 4.599        | 4.641      | VV       | 3600           | 60699        | 0.55%          | 0.019%        |
| 20        | 4.661       | 4.641        | 4.715      | VV       | 4314           | 80462        | 0.72%          | 0.025%        |
| 21        | 4.739       | 4.715        | 4.855      | VV       | 2755           | 84807        | 0.76%          | 0.027%        |
| 22        | 4.865       | 4.855        | 4.931      | VV       | 440            | 14740        | 0.13%          | 0.005%        |
| 23        | 4.936       | 4.931        | 4.958      | VV       | 331            | 4768         | 0.04%          | 0.002%        |
| 24        | 4.970       | 4.958        | 5.007      | VV       | 317            | 8332         | 0.07%          | 0.003%        |
| 25        | 5.017       | 5.007        | 5.084      | VV       | 347            | 12113        | 0.11%          | 0.004%        |
| 26        | 5.091       | 5.084        | 5.104      | VV       | 230            | 2353         | 0.02%          | 0.001%        |
| 27        | 5.113       | 5.104        | 5.161      | VV       | 201            | 5700         | 0.05%          | 0.002%        |
| 28        | 5.169       | 5.161        | 5.200      | VV       | 194            | 3581         | 0.03%          | 0.001%        |
| 29        | 5.217       | 5.200        | 5.253      | VV       | 281            | 5769         | 0.05%          | 0.002%        |
| 30        | 5.264       | 5.253        | 5.321      | VV       | 225            | 4734         | 0.04%          | 0.001%        |
| 31        | 5.329       | 5.321        | 5.341      | VV       | 146            | 1382         | 0.01%          | 0.000%        |
| 32        | 5.355       | 5.341        | 5.366      | VV       | 149            | 1625         | 0.01%          | 0.001%        |
| 33        | 5.395       | 5.366        | 5.446      | VV       | 255            | 6455         | 0.06%          | 0.002%        |
| 34        | 5.495       | 5.446        | 5.566      | VV       | 352            | 11510        | 0.10%          | 0.004%        |
| 35        | 5.584       | 5.566        | 5.617      | VV       | 210            | 2242         | 0.02%          | 0.001%        |
| 36        | 5.652       | 5.617        | 5.695      | PV       | 794            | 11976        | 0.11%          | 0.004%        |

|    |       |       |       |    |        |         |        |        |
|----|-------|-------|-------|----|--------|---------|--------|--------|
| 37 | 5.705 | 5.695 | 5.718 | VV | 93     | 809     | 0.01%  | 0.000% |
| 38 | 5.795 | 5.718 | 5.825 | VV | 259    | 9845    |        |        |
| 39 | 5.842 | 5.825 | 5.898 | VV | 584    | 10441   |        |        |
| 40 | 5.946 | 5.898 | 6.085 | VV | 602    | 33330   |        |        |
| 41 | 6.089 | 6.085 | 6.095 | VV | 69     | 324     |        |        |
| 42 | 6.118 | 6.095 | 6.165 | VV | 276    | 4401    |        |        |
| 43 | 6.172 | 6.165 | 6.188 | PV | 96     | 808     | 0.01%  | 0.000% |
| 44 | 6.218 | 6.188 | 6.495 | VV | 280577 | 3354294 | 30.18% | 1.062% |
| 45 | 6.504 | 6.495 | 6.528 | VV | 461    | 7941    | 0.07%  | 0.003% |
| 46 | 6.539 | 6.528 | 6.556 | VV | 494    | 7591    | 0.07%  | 0.002% |
| 47 | 6.576 | 6.556 | 6.651 | VV | 487    | 20121   | 0.18%  | 0.006% |
| 48 | 6.686 | 6.651 | 6.821 | VV | 291475 | 3038224 | 27.34% | 0.962% |
| 49 | 6.840 | 6.821 | 6.903 | VV | 790    | 21059   | 0.19%  | 0.007% |
| 50 | 6.914 | 6.903 | 6.926 | VV | 287    | 3172    | 0.03%  | 0.001% |
| 51 | 6.972 | 6.926 | 6.998 | VV | 322    | 9529    | 0.09%  | 0.003% |
| 52 | 7.015 | 6.998 | 7.068 | VV | 399    | 10424   | 0.09%  | 0.003% |
| 53 | 7.099 | 7.068 | 7.127 | VV | 329    | 7000    | 0.06%  | 0.002% |
| 54 | 7.138 | 7.127 | 7.171 | VV | 254    | 3678    | 0.03%  | 0.001% |
| 55 | 7.227 | 7.171 | 7.288 | PV | 6888   | 111125  | 1.00%  | 0.035% |
| 56 | 7.320 | 7.288 | 7.448 | VV | 264016 | 3155558 | 28.40% | 0.999% |
| 57 | 7.464 | 7.448 | 7.500 | VV | 2555   | 51580   | 0.46%  | 0.016% |
| 58 | 7.529 | 7.500 | 7.588 | VV | 1585   | 57901   | 0.52%  | 0.018% |
| 59 | 7.603 | 7.588 | 7.619 | VV | 957    | 14894   | 0.13%  | 0.005% |
| 60 | 7.638 | 7.619 | 7.677 | VV | 1971   | 31618   | 0.28%  | 0.010% |
| 61 | 7.694 | 7.677 | 7.755 | VV | 493    | 16918   | 0.15%  | 0.005% |
| 62 | 7.760 | 7.755 | 7.788 | VV | 217    | 3350    | 0.03%  | 0.001% |
| 63 | 7.811 | 7.788 | 7.850 | VV | 705    | 12761   | 0.11%  | 0.004% |
| 64 | 7.860 | 7.850 | 7.895 | VV | 211    | 2554    | 0.02%  | 0.001% |
| 65 | 8.070 | 8.055 | 8.155 | VV | 2467   | 88566   | 0.80%  | 0.028% |
| 66 | 8.165 | 8.155 | 8.190 | VV | 757    | 13561   | 0.12%  | 0.004% |
| 67 | 8.212 | 8.190 | 8.258 | VV | 1350   | 32328   | 0.29%  | 0.010% |
| 68 | 8.270 | 8.258 | 8.314 | VV | 895    | 16927   | 0.15%  | 0.005% |
| 69 | 8.341 | 8.314 | 8.367 | VV | 1096   | 21470   | 0.19%  | 0.007% |
| 70 | 8.386 | 8.367 | 8.403 | VV | 987    | 13117   | 0.12%  | 0.004% |
| 71 | 8.445 | 8.403 | 8.462 | VV | 1387   | 26413   | 0.24%  | 0.008% |
| 72 | 8.477 | 8.462 | 8.490 | VV | 914    | 12502   | 0.11%  | 0.004% |
| 73 | 8.523 | 8.490 | 8.562 | VV | 314305 | 3313747 | 29.82% | 1.049% |
| 74 | 8.570 | 8.562 | 8.593 | VV | 1394   | 22596   | 0.20%  | 0.007% |
| 75 | 8.626 | 8.593 | 8.791 | VV | 335205 | 3779483 | 34.01% | 1.197% |
| 76 | 8.927 | 8.897 | 9.049 | VV | 351192 | 3873340 | 34.85% | 1.227% |
| 77 | 9.062 | 9.049 | 9.101 | VV | 1870   | 46407   | 0.42%  | 0.015% |
| 78 | 9.115 | 9.101 | 9.145 | VV | 1093   | 23109   | 0.21%  | 0.007% |
| 79 | 9.174 | 9.145 | 9.192 | VV | 1858   | 33896   | 0.31%  | 0.011% |
| 80 | 9.217 | 9.192 | 9.327 | VV | 4725   | 133110  | 1.20%  | 0.042% |
| 81 | 9.351 | 9.327 | 9.378 | VV | 1654   | 28852   | 0.26%  | 0.009% |
| 82 | 9.389 | 9.378 | 9.429 | VV | 865    | 14924   | 0.13%  | 0.005% |
| 83 | 9.440 | 9.429 | 9.463 | VV | 257    | 3216    | 0.03%  | 0.001% |
| 84 | 9.502 | 9.463 | 9.520 | PV | 1470   | 21824   | 0.20%  | 0.007% |
| 85 | 9.541 | 9.520 | 9.570 | VV | 1260   | 24649   | 0.22%  | 0.008% |
| 86 | 9.591 | 9.570 | 9.618 | VV | 963    | 16929   | 0.15%  | 0.005% |
| 87 | 9.636 | 9.618 | 9.664 | VV | 836    | 12780   | 0.11%  | 0.004% |
| 88 | 9.720 | 9.664 | 9.789 | PV | 328864 | 3886924 | 34.98% | 1.231% |
| 89 | 9.797 | 9.789 | 9.854 | VV | 4283   | 107815  | 0.97%  | 0.034% |

Instrument :

FID\_G

ClientSampleId :

ETGI-275MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

|     |        |        |        |    |        |         |                                                                                  |        |   |
|-----|--------|--------|--------|----|--------|---------|----------------------------------------------------------------------------------|--------|---|
|     |        |        |        |    |        |         | Instrument :<br>FID_G                                                            |        | A |
|     |        |        |        |    |        |         | ClientSampleId :<br>ETGI-275MSD                                                  |        |   |
| 90  | 9.872  | 9.854  | 9.893  | VV | 3682   | 63269   | 0.57%                                                                            | 0.020% | B |
| 91  | 9.911  | 9.893  | 9.921  | VV | 2449   | 34187   | Manual IntegrationsAPPROVED                                                      |        | C |
| 92  | 9.939  | 9.921  | 9.978  | VV | 5611   | 97105   |                                                                                  |        | D |
| 93  | 10.013 | 9.978  | 10.036 | VV | 7911   | 136023  | Reviewed By :Yogesh Patel 04/23/2025<br>Supervised By :mohammad ahmed 04/24/2025 |        | E |
| 94  | 10.050 | 10.036 | 10.095 | VV | 4724   | 97161   |                                                                                  |        | F |
| 95  | 10.136 | 10.095 | 10.228 | VV | 313547 | 3610200 | 32                                                                               |        | G |
| 96  | 10.239 | 10.228 | 10.274 | VV | 1390   | 26001   | 0.23%                                                                            | 0.008% | H |
| 97  | 10.304 | 10.274 | 10.345 | VV | 1046   | 24869   | 0.22%                                                                            | 0.008% | I |
| 98  | 10.357 | 10.345 | 10.390 | VV | 299    | 5059    | 0.05%                                                                            | 0.002% | J |
| 99  | 10.411 | 10.390 | 10.433 | PV | 210    | 2990    | 0.03%                                                                            | 0.001% |   |
| 100 | 10.492 | 10.433 | 10.511 | PV | 3999   | 55317   | 0.50%                                                                            | 0.018% |   |
| 101 | 10.525 | 10.511 | 10.552 | VV | 1522   | 23234   | 0.21%                                                                            | 0.007% |   |
| 102 | 10.585 | 10.552 | 10.595 | VV | 1658   | 25526   | 0.23%                                                                            | 0.008% |   |
| 103 | 10.617 | 10.595 | 10.638 | VV | 3410   | 54834   | 0.49%                                                                            | 0.017% |   |
| 104 | 10.657 | 10.638 | 10.704 | VV | 2405   | 44894   | 0.40%                                                                            | 0.014% |   |
| 105 | 10.728 | 10.704 | 10.764 | PV | 3608   | 56674   | 0.51%                                                                            | 0.018% |   |
| 106 | 10.796 | 10.764 | 10.848 | VV | 10459  | 204718  | 1.84%                                                                            | 0.065% |   |
| 107 | 10.900 | 10.848 | 10.911 | VV | 4515   | 90701   | 0.82%                                                                            | 0.029% |   |
| 108 | 10.938 | 10.911 | 10.973 | VV | 13284  | 297233  | 2.67%                                                                            | 0.094% |   |
| 109 | 10.995 | 10.973 | 11.017 | VV | 3773   | 68986   | 0.62%                                                                            | 0.022% |   |
| 110 | 11.034 | 11.017 | 11.051 | VV | 4268   | 51710   | 0.47%                                                                            | 0.016% |   |
| 111 | 11.072 | 11.051 | 11.086 | VV | 2207   | 36101   | 0.32%                                                                            | 0.011% |   |
| 112 | 11.133 | 11.086 | 11.180 | VV | 483654 | 5476741 | 49.28%                                                                           | 1.734% |   |
| 113 | 11.209 | 11.180 | 11.337 | VV | 408809 | 5131390 | 46.18%                                                                           | 1.625% |   |
| 114 | 11.351 | 11.337 | 11.371 | VV | 1490   | 25430   | 0.23%                                                                            | 0.008% |   |
| 115 | 11.407 | 11.371 | 11.420 | VV | 2853   | 56638   | 0.51%                                                                            | 0.018% |   |
| 116 | 11.441 | 11.420 | 11.491 | VV | 13483  | 253246  | 2.28%                                                                            | 0.080% |   |
| 117 | 11.505 | 11.491 | 11.525 | VV | 2188   | 38959   | 0.35%                                                                            | 0.012% |   |
| 118 | 11.539 | 11.525 | 11.551 | VV | 3514   | 42394   | 0.38%                                                                            | 0.013% |   |
| 119 | 11.585 | 11.551 | 11.641 | VV | 317709 | 3725432 | 33.52%                                                                           | 1.180% |   |
| 120 | 11.672 | 11.641 | 11.711 | VV | 15604  | 261408  | 2.35%                                                                            | 0.083% |   |
| 121 | 11.737 | 11.711 | 11.758 | VV | 5683   | 80883   | 0.73%                                                                            | 0.026% |   |
| 122 | 11.777 | 11.758 | 11.813 | VV | 2912   | 68862   | 0.62%                                                                            | 0.022% |   |
| 123 | 11.841 | 11.813 | 11.851 | VV | 2470   | 41286   | 0.37%                                                                            | 0.013% |   |
| 124 | 11.901 | 11.851 | 11.926 | VV | 301116 | 3363805 | 30.27%                                                                           | 1.065% |   |
| 125 | 11.941 | 11.926 | 11.956 | VV | 16836  | 204953  | 1.84%                                                                            | 0.065% |   |
| 126 | 11.973 | 11.956 | 12.016 | VV | 23091  | 343816  | 3.09%                                                                            | 0.109% |   |
| 127 | 12.054 | 12.016 | 12.075 | VV | 42999  | 614334  | 5.53%                                                                            | 0.195% |   |
| 128 | 12.090 | 12.075 | 12.104 | VV | 15881  | 207051  | 1.86%                                                                            | 0.066% |   |
| 129 | 12.121 | 12.104 | 12.169 | VV | 18191  | 303599  | 2.73%                                                                            | 0.096% |   |
| 130 | 12.229 | 12.169 | 12.255 | VV | 5849   | 194939  | 1.75%                                                                            | 0.062% |   |
| 131 | 12.261 | 12.255 | 12.291 | VV | 3776   | 67928   | 0.61%                                                                            | 0.022% |   |
| 132 | 12.316 | 12.291 | 12.390 | VV | 34059  | 680347  | 6.12%                                                                            | 0.215% |   |
| 133 | 12.415 | 12.390 | 12.463 | VV | 16702  | 313001  | 2.82%                                                                            | 0.099% |   |
| 134 | 12.477 | 12.463 | 12.489 | VV | 3549   | 49059   | 0.44%                                                                            | 0.016% |   |
| 135 | 12.509 | 12.489 | 12.546 | VV | 14740  | 217991  | 1.96%                                                                            | 0.069% |   |
| 136 | 12.563 | 12.546 | 12.588 | VV | 3907   | 67469   | 0.61%                                                                            | 0.021% |   |
| 137 | 12.663 | 12.588 | 12.678 | VV | 5596   | 174402  | 1.57%                                                                            | 0.055% |   |
| 138 | 12.689 | 12.678 | 12.718 | VV | 5679   | 109075  | 0.98%                                                                            | 0.035% |   |
| 139 | 12.736 | 12.718 | 12.775 | VV | 10482  | 248426  | 2.24%                                                                            | 0.079% |   |
| 140 | 12.804 | 12.775 | 12.826 | VV | 45873  | 618114  | 5.56%                                                                            | 0.196% |   |
| 141 | 12.842 | 12.826 | 12.865 | VV | 20961  | 321402  | 2.89%                                                                            | 0.102% |   |

| rteres |        |        |        |    |        |          |         |        |  |
|--------|--------|--------|--------|----|--------|----------|---------|--------|--|
| 142    | 12.902 | 12.865 | 12.932 | VV | 335408 | 4122133  | 37.09%  | 1.305% |  |
| 143    | 12.970 | 12.932 | 13.020 | VV | 858178 | 10647545 | 95.24%  | 1.305% |  |
| 144    | 13.035 | 13.020 | 13.085 | VV | 10409  | 254034   | 2.40%   | 1.305% |  |
| 145    | 13.147 | 13.085 | 13.168 | VV | 26965  | 611951   | 5.54%   | 1.305% |  |
| 146    | 13.188 | 13.168 | 13.229 | VV | 15379  | 360508   | 3.95%   | 1.305% |  |
| 147    | 13.269 | 13.229 | 13.296 | VV | 770596 | 9593776  | 86.00%  | 1.305% |  |
| 148    | 13.347 | 13.296 | 13.384 | VV | 269095 | 3922975  | 35.30%  | 1.242% |  |
| 149    | 13.396 | 13.384 | 13.416 | VV | 5931   | 103802   | 0.93%   | 0.033% |  |
| 150    | 13.438 | 13.416 | 13.451 | VV | 16920  | 232665   | 2.09%   | 0.074% |  |
| 151    | 13.471 | 13.451 | 13.488 | VV | 36700  | 510200   | 4.59%   | 0.162% |  |
| 152    | 13.515 | 13.488 | 13.568 | VV | 309798 | 4231571  | 38.08%  | 1.340% |  |
| 153    | 13.590 | 13.568 | 13.641 | VV | 10358  | 260927   | 2.35%   | 0.083% |  |
| 154    | 13.664 | 13.641 | 13.700 | VV | 12416  | 295696   | 2.66%   | 0.094% |  |
| 155    | 13.725 | 13.700 | 13.778 | VV | 38101  | 741268   | 6.67%   | 0.235% |  |
| 156    | 13.854 | 13.778 | 13.900 | VV | 75435  | 1723035  | 15.50%  | 0.546% |  |
| 157    | 13.920 | 13.900 | 13.937 | VV | 14747  | 231713   | 2.09%   | 0.073% |  |
| 158    | 13.962 | 13.937 | 13.983 | VV | 48025  | 725375   | 6.53%   | 0.230% |  |
| 159    | 14.002 | 13.983 | 14.023 | VV | 39517  | 595390   | 5.36%   | 0.189% |  |
| 160    | 14.038 | 14.023 | 14.064 | VV | 22611  | 362541   | 3.26%   | 0.115% |  |
| 161    | 14.103 | 14.064 | 14.155 | VV | 317957 | 4719672  | 42.47%  | 1.495% |  |
| 162    | 14.175 | 14.155 | 14.219 | VV | 25560  | 574739   | 5.17%   | 0.182% |  |
| 163    | 14.254 | 14.219 | 14.271 | VV | 11036  | 298287   | 2.68%   | 0.094% |  |
| 164    | 14.294 | 14.271 | 14.311 | VV | 10721  | 240552   | 2.16%   | 0.076% |  |
| 165    | 14.335 | 14.311 | 14.418 | VV | 13439  | 559322   | 5.03%   | 0.177% |  |
| 166    | 14.444 | 14.418 | 14.478 | VV | 9916   | 285319   | 2.57%   | 0.090% |  |
| 167    | 14.491 | 14.478 | 14.505 | VV | 7585   | 113294   | 1.02%   | 0.036% |  |
| 168    | 14.544 | 14.505 | 14.556 | VV | 18529  | 431130   | 3.88%   | 0.137% |  |
| 169    | 14.564 | 14.556 | 14.581 | VV | 17516  | 241816   | 2.18%   | 0.077% |  |
| 170    | 14.603 | 14.581 | 14.647 | VV | 52483  | 966657   | 8.70%   | 0.306% |  |
| 171    | 14.668 | 14.647 | 14.681 | VV | 16191  | 299910   | 2.70%   | 0.095% |  |
| 172    | 14.695 | 14.681 | 14.745 | VV | 16718  | 506634   | 4.56%   | 0.160% |  |
| 173    | 14.772 | 14.745 | 14.807 | VV | 61538  | 1118924  | 10.07%  | 0.354% |  |
| 174    | 14.834 | 14.807 | 14.868 | VV | 74920  | 1379951  | 12.42%  | 0.437% |  |
| 175    | 14.911 | 14.868 | 14.939 | VV | 42899  | 1107004  | 9.96%   | 0.351% |  |
| 176    | 14.957 | 14.939 | 14.979 | VV | 17952  | 371857   | 3.35%   | 0.118% |  |
| 177    | 15.023 | 14.979 | 15.081 | VV | 20046  | 889036   | 8.00%   | 0.282% |  |
| 178    | 15.109 | 15.081 | 15.120 | VV | 25885  | 421877   | 3.80%   | 0.134% |  |
| 179    | 15.155 | 15.120 | 15.176 | VV | 421589 | 6410413  | 57.68%  | 2.030% |  |
| 180    | 15.201 | 15.176 | 15.268 | VV | 676446 | 11112915 | 100.00% | 3.519% |  |
| 181    | 15.311 | 15.268 | 15.366 | VV | 43413  | 1543317  | 13.89%  | 0.489% |  |
| 182    | 15.385 | 15.366 | 15.436 | VV | 20453  | 763405   | 6.87%   | 0.242% |  |
| 183    | 15.466 | 15.436 | 15.480 | VV | 27174  | 572228   | 5.15%   | 0.181% |  |
| 184    | 15.497 | 15.480 | 15.528 | VV | 31774  | 759731   | 6.84%   | 0.241% |  |
| 185    | 15.548 | 15.528 | 15.573 | VV | 25023  | 587671   | 5.29%   | 0.186% |  |
| 186    | 15.603 | 15.573 | 15.679 | VV | 37224  | 1634037  | 14.70%  | 0.517% |  |
| 187    | 15.718 | 15.679 | 15.765 | VV | 25164  | 1147617  | 10.33%  | 0.363% |  |
| 188    | 15.782 | 15.765 | 15.800 | VV | 24906  | 491081   | 4.42%   | 0.156% |  |
| 189    | 15.828 | 15.800 | 15.850 | VV | 68479  | 1231075  | 11.08%  | 0.390% |  |
| 190    | 15.865 | 15.850 | 15.897 | VV | 35752  | 778064   | 7.00%   | 0.246% |  |
| 191    | 15.983 | 15.897 | 16.025 | VV | 40845  | 2169221  | 19.52%  | 0.687% |  |
| 192    | 16.057 | 16.025 | 16.101 | VV | 38089  | 1269677  | 11.43%  | 0.402% |  |
| 193    | 16.109 | 16.101 | 16.130 | VV | 23686  | 401904   | 3.62%   | 0.127% |  |
| 194    | 16.153 | 16.130 | 16.181 | VV | 29859  | 753223   | 6.78%   | 0.239% |  |

Instrument :

FID\_G

ClientSampleId :

ETGI-275MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

|        |        |        |        |    |        |         | Instrument :<br>FID_G                                                            |        |
|--------|--------|--------|--------|----|--------|---------|----------------------------------------------------------------------------------|--------|
|        |        |        |        |    |        |         | ClientSampleId :<br>ETGI-275MSD                                                  |        |
| rteres |        |        |        |    |        |         |                                                                                  |        |
| 195    | 16.237 | 16.181 | 16.268 | VV | 298235 | 4863135 | 43.76%                                                                           | 1.540% |
|        |        |        |        |    |        |         | Manual IntegrationsAPPROVED                                                      |        |
| 196    | 16.282 | 16.268 | 16.318 | VV | 26820  | 756478  | 6.01%                                                                            | 0.236% |
| 197    | 16.330 | 16.318 | 16.350 | VV | 24114  | 439658  | 3.24%                                                                            | 0.187% |
| 198    | 16.363 | 16.350 | 16.382 | VV | 24052  | 455970  | 4.24%                                                                            | 0.236% |
| 199    | 16.427 | 16.382 | 16.448 | VV | 31355  | 1075823 | 9.95%                                                                            | 0.350% |
| 200    | 16.469 | 16.448 | 16.492 | VV | 35954  | 809487  | 7.20%                                                                            | 0.254% |
|        |        |        |        |    |        |         | Reviewed By :Yogesh Patel 04/23/2025<br>Supervised By :mohammad ahmed 04/24/2025 |        |
| 201    | 16.513 | 16.492 | 16.548 | VV | 37814  | 1105250 | 9.95%                                                                            | 0.350% |
| 202    | 16.578 | 16.548 | 16.598 | VV | 38361  | 1030645 | 9.27%                                                                            | 0.326% |
| 203    | 16.629 | 16.598 | 16.653 | VV | 46774  | 1295287 | 11.66%                                                                           | 0.410% |
| 204    | 16.673 | 16.653 | 16.687 | VV | 39947  | 746427  | 6.72%                                                                            | 0.236% |
| 205    | 16.726 | 16.687 | 16.741 | VV | 449476 | 7253056 | 65.27%                                                                           | 2.297% |
|        |        |        |        |    |        |         |                                                                                  |        |
| 206    | 16.756 | 16.741 | 16.825 | VV | 394619 | 5844750 | 52.59%                                                                           | 1.851% |
| 207    | 16.853 | 16.825 | 16.874 | VV | 50733  | 1183973 | 10.65%                                                                           | 0.375% |
| 208    | 16.886 | 16.874 | 16.901 | VV | 38796  | 589433  | 5.30%                                                                            | 0.187% |
| 209    | 16.915 | 16.901 | 16.931 | VV | 35032  | 605456  | 5.45%                                                                            | 0.192% |
| 210    | 16.946 | 16.931 | 16.961 | VV | 34270  | 592952  | 5.34%                                                                            | 0.188% |
|        |        |        |        |    |        |         |                                                                                  |        |
| 211    | 17.010 | 16.961 | 17.027 | VV | 147426 | 2807987 | 25.27%                                                                           | 0.889% |
| 212    | 17.043 | 17.027 | 17.075 | VV | 136598 | 2286761 | 20.58%                                                                           | 0.724% |
| 213    | 17.106 | 17.075 | 17.151 | VV | 352345 | 5554216 | 49.98%                                                                           | 1.759% |
| 214    | 17.189 | 17.151 | 17.238 | VV | 295923 | 5681218 | 51.12%                                                                           | 1.799% |
| 215    | 17.262 | 17.238 | 17.278 | VV | 41030  | 890530  | 8.01%                                                                            | 0.282% |
|        |        |        |        |    |        |         |                                                                                  |        |
| 216    | 17.299 | 17.278 | 17.328 | VV | 42268  | 1159326 | 10.43%                                                                           | 0.367% |
| 217    | 17.350 | 17.328 | 17.388 | VV | 41807  | 1382501 | 12.44%                                                                           | 0.438% |
| 218    | 17.449 | 17.388 | 17.471 | VV | 43059  | 1921241 | 17.29%                                                                           | 0.608% |
| 219    | 17.486 | 17.471 | 17.544 | VV | 42370  | 1619515 | 14.57%                                                                           | 0.513% |
| 220    | 17.568 | 17.544 | 17.585 | VV | 38592  | 871559  | 7.84%                                                                            | 0.276% |
|        |        |        |        |    |        |         |                                                                                  |        |
| 221    | 17.603 | 17.585 | 17.618 | VV | 41188  | 800489  | 7.20%                                                                            | 0.254% |
| 222    | 17.636 | 17.618 | 17.677 | VV | 44908  | 1345358 | 12.11%                                                                           | 0.426% |
| 223    | 17.695 | 17.677 | 17.715 | VV | 34873  | 748045  | 6.73%                                                                            | 0.237% |
| 224    | 17.731 | 17.715 | 17.741 | VV | 35366  | 544463  | 4.90%                                                                            | 0.172% |
| 225    | 17.765 | 17.741 | 17.785 | VV | 39979  | 976341  | 8.79%                                                                            | 0.309% |
|        |        |        |        |    |        |         |                                                                                  |        |
| 226    | 17.802 | 17.785 | 17.865 | VV | 36817  | 1584257 | 14.26%                                                                           | 0.502% |
| 227    | 17.921 | 17.865 | 17.949 | VV | 34979  | 1654494 | 14.89%                                                                           | 0.524% |
| 228    | 17.976 | 17.949 | 18.000 | VV | 35506  | 1026820 | 9.24%                                                                            | 0.325% |
| 229    | 18.012 | 18.000 | 18.031 | VV | 35082  | 639087  | 5.75%                                                                            | 0.202% |
| 230    | 18.080 | 18.031 | 18.141 | VV | 287476 | 5758397 | 51.82%                                                                           | 1.824% |
|        |        |        |        |    |        |         |                                                                                  |        |
| 231    | 18.173 | 18.141 | 18.203 | VV | 42389  | 1420929 | 12.79%                                                                           | 0.450% |
| 232    | 18.217 | 18.203 | 18.238 | VV | 44006  | 873395  | 7.86%                                                                            | 0.277% |
| 233    | 18.257 | 18.238 | 18.295 | VV | 41832  | 1333852 | 12.00%                                                                           | 0.422% |
| 234    | 18.303 | 18.295 | 18.325 | VV | 37965  | 634761  | 5.71%                                                                            | 0.201% |
| 235    | 18.388 | 18.325 | 18.411 | VV | 54300  | 2048800 | 18.44%                                                                           | 0.649% |
|        |        |        |        |    |        |         |                                                                                  |        |
| 236    | 18.486 | 18.411 | 18.502 | VV | 305594 | 6065580 | 54.58%                                                                           | 1.921% |
| 237    | 18.519 | 18.502 | 18.563 | VV | 263130 | 4578431 | 41.20%                                                                           | 1.450% |
| 238    | 18.584 | 18.563 | 18.598 | VV | 45463  | 927002  | 8.34%                                                                            | 0.294% |
| 239    | 18.615 | 18.598 | 18.633 | VV | 47794  | 932707  | 8.39%                                                                            | 0.295% |
| 240    | 18.648 | 18.633 | 18.685 | VV | 45432  | 1279949 | 11.52%                                                                           | 0.405% |
|        |        |        |        |    |        |         |                                                                                  |        |
| 241    | 18.741 | 18.685 | 18.838 | VV | 279333 | 6889023 | 61.99%                                                                           | 2.182% |
| 242    | 18.913 | 18.838 | 18.971 | VV | 269029 | 6226231 | 56.03%                                                                           | 1.972% |
| 243    | 19.009 | 18.971 | 19.035 | VV | 46920  | 1488135 | 13.39%                                                                           | 0.471% |
| 244    | 19.057 | 19.035 | 19.128 | VV | 39981  | 2045187 | 18.40%                                                                           | 0.648% |
| 245    | 19.181 | 19.128 | 19.244 | VV | 39060  | 2517980 | 22.66%                                                                           | 0.797% |
|        |        |        |        |    |        |         |                                                                                  |        |
| 246    | 19.273 | 19.244 | 19.372 | VV | 57432  | 3279489 | 29.51%                                                                           | 1.039% |

| rteres |        |        |        |    |        |         |        |        |  |
|--------|--------|--------|--------|----|--------|---------|--------|--------|--|
| 247    | 19.445 | 19.372 | 19.475 | VV | 44155  | 2361628 | 21.25% | 0.748% |  |
| 248    | 19.503 | 19.475 | 19.529 | VV | 38935  | 1179406 | 10.00% | 0.000% |  |
| 249    | 19.539 | 19.529 | 19.548 | VV | 35863  | 404410  | 3.00%  | 0.000% |  |
| 250    | 19.570 | 19.548 | 19.655 | VV | 36563  | 2202584 | 19.00% | 0.600% |  |
| 251    | 19.698 | 19.655 | 19.781 | VV | 258246 | 6212592 | 58.00% | 1.754% |  |
| 252    | 19.808 | 19.781 | 19.844 | VV | 40699  | 1410548 | 12.00% | 0.360% |  |
| 253    | 19.866 | 19.844 | 19.887 | VV | 39931  | 988019  | 8.89%  | 0.313% |  |
| 254    | 19.908 | 19.887 | 19.951 | VV | 45758  | 1538938 | 13.85% | 0.487% |  |
| 255    | 19.982 | 19.951 | 20.018 | VV | 49358  | 1696094 | 15.26% | 0.537% |  |
| 256    | 20.039 | 20.018 | 20.088 | VV | 46700  | 1778459 | 16.00% | 0.563% |  |
| 257    | 20.115 | 20.088 | 20.162 | VV | 41264  | 1677125 | 15.09% | 0.531% |  |
| 258    | 20.235 | 20.162 | 20.259 | VV | 37269  | 2090612 | 18.81% | 0.662% |  |
| 259    | 20.303 | 20.259 | 20.358 | VV | 45518  | 2392037 | 21.52% | 0.758% |  |
| 260    | 20.375 | 20.358 | 20.401 | VV | 38034  | 953831  | 8.58%  | 0.302% |  |
| 261    | 20.439 | 20.401 | 20.479 | VV | 251665 | 4726905 | 42.54% | 1.497% |  |
| 262    | 20.511 | 20.479 | 20.550 | VV | 39435  | 1604213 | 14.44% | 0.508% |  |
| 263    | 20.559 | 20.550 | 20.565 | VV | 40110  | 357081  | 3.21%  | 0.113% |  |
| 264    | 20.601 | 20.565 | 20.621 | VV | 41236  | 1347155 | 12.12% | 0.427% |  |
| 265    | 20.627 | 20.621 | 20.705 | VV | 38822  | 1777359 | 15.99% | 0.563% |  |
| 266    | 20.732 | 20.705 | 20.754 | VV | 35026  | 1002298 | 9.02%  | 0.317% |  |
| 267    | 20.785 | 20.754 | 20.855 | VV | 35223  | 2053970 | 18.48% | 0.650% |  |
| 268    | 20.864 | 20.855 | 20.891 | VV | 32116  | 684964  | 6.16%  | 0.217% |  |
| 269    | 20.907 | 20.891 | 21.043 | VV | 32170  | 2609943 | 23.49% | 0.827% |  |
| 270    | 21.057 | 21.043 | 21.077 | VV | 26817  | 523208  | 4.71%  | 0.166% |  |
| 271    | 21.103 | 21.077 | 21.136 | VV | 25715  | 865002  | 7.78%  | 0.274% |  |
| 272    | 21.180 | 21.136 | 21.255 | VV | 182542 | 4533328 | 40.79% | 1.436% |  |
| 273    | 21.265 | 21.255 | 21.296 | VV | 19602  | 473928  | 4.26%  | 0.150% |  |
| 274    | 21.313 | 21.296 | 21.325 | VV | 18973  | 316847  | 2.85%  | 0.100% |  |
| 275    | 21.340 | 21.325 | 21.392 | VV | 18614  | 701584  | 6.31%  | 0.222% |  |
| 276    | 21.398 | 21.392 | 21.577 | VV | 16805  | 1479928 | 13.32% | 0.469% |  |
| 277    | 21.587 | 21.577 | 21.596 | VV | 11375  | 120781  | 1.09%  | 0.038% |  |
| 278    | 21.624 | 21.596 | 21.645 | VV | 11871  | 330211  | 2.97%  | 0.105% |  |
| 279    | 21.657 | 21.645 | 21.682 | VV | 11892  | 245477  | 2.21%  | 0.078% |  |
| 280    | 21.696 | 21.682 | 21.717 | VV | 10752  | 215639  | 1.94%  | 0.068% |  |
| 281    | 21.742 | 21.717 | 21.770 | VV | 10938  | 311705  | 2.80%  | 0.099% |  |
| 282    | 21.783 | 21.770 | 21.826 | VV | 9057   | 265505  | 2.39%  | 0.084% |  |
| 283    | 21.834 | 21.826 | 21.991 | VV | 8232   | 360626  | 3.25%  | 0.114% |  |
| 284    | 22.101 | 21.991 | 22.178 | VV | 128896 | 3123042 | 28.10% | 0.989% |  |
| 285    | 22.186 | 22.178 | 22.192 | PV | 1420   | 5573    | 0.05%  | 0.002% |  |

Instrument :

FID\_G

ClientSampleId :

ETGI-275MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/23/2025

Supervised By :mohammad ahmed 04/24/2025

Sum of corrected areas: 315769885

Aliphatic EPH 041725.M Wed Apr 23 03:00:13 2025

## Manual Integration Report

Sequence:

FE041725AL

Instrument

FID\_e

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FE042225AL | Instrument | FID_e |
|-----------|------------|------------|-------|

| Sample ID           | File ID    | Parameter                  | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|---------------------|------------|----------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| Q1832-34DL          | FE053458.D | 1-chlorooctadecane (SURRE) | yogesh    | 4/22/2025 2:53:20 PM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053461.D | n-Hexatriacontane (C36)    | yogesh    | 4/23/2025 7:47:23 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053461.D | n-Octatriacontane (C38)    | yogesh    | 4/23/2025 7:47:23 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053461.D | n-Tetracontane (C40)       | yogesh    | 4/23/2025 7:47:23 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| Q1842-41            | FE053477.D | 1-chlorooctadecane (SURRE) | yogesh    | 4/23/2025 7:47:21 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053479.D | n-Dotriacontane (C32)      | yogesh    | 4/23/2025 7:47:24 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053479.D | n-Hexatriacontane (C36)    | yogesh    | 4/23/2025 7:47:24 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053479.D | n-Octatriacontane (C38)    | yogesh    | 4/23/2025 7:47:24 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| Q1848-02            | FE053481.D | 1-chlorooctadecane (SURRE) | yogesh    | 4/23/2025 7:47:26 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053489.D | n-Dotriacontane (C32)      | yogesh    | 4/23/2025 7:48:06 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053489.D | n-Hexatriacontane (C36)    | yogesh    | 4/23/2025 7:48:06 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053489.D | n-Octatriacontane (C38)    | yogesh    | 4/23/2025 7:48:06 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE053489.D | n-Tetracontane (C40)       | yogesh    | 4/23/2025 7:48:06 AM | mohammad      | 4/24/2025 6:34:11 | Peak Integrated by Software |



Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FE042225AL | Instrument | FID_e |
|-----------|------------|------------|-------|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|
|-----------|---------|-----------|-----------|-----------|---------------|---------------|--------|

## Manual Integration Report

Sequence:

FG041725AL

Instrument

FID\_g

| Sample ID   | File ID    | Parameter           | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|---------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PB167630BS  | FG015690.D | n-Tetracosane (C24) | yogesh    | 4/18/2025 7:31:59 AM | mohammad      | 4/21/2025 1:16:37 | Peak Integrated by Software |
| PB167630BSD | FG015691.D | n-Tetracosane (C24) | yogesh    | 4/18/2025 7:32:00 AM | mohammad      | 4/21/2025 1:16:37 | Peak Integrated by Software |
| Q1818-03MS  | FG015694.D | n-Tetracosane (C24) | yogesh    | 4/18/2025 7:32:02 AM | mohammad      | 4/21/2025 1:16:37 | Peak Integrated by Software |
| Q1818-03MSD | FG015695.D | n-Tetracosane (C24) | yogesh    | 4/18/2025 7:32:04 AM | mohammad      | 4/21/2025 1:16:37 | Peak Integrated by Software |

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FG042225AL | Instrument | FID_g |
|-----------|------------|------------|-------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On     | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|-------------------|-----------------------------|
| PB167690BS  | FG015735.D | n-Tetracosane (C24)    | yogesh    | 4/23/2025 7:33:13 AM | mohammad      | 4/24/2025 6:34:05 | Peak Integrated by Software |
| PB167690BSD | FG015736.D | n-Tetracosane (C24)    | yogesh    | 4/23/2025 7:33:15 AM | mohammad      | 4/24/2025 6:34:05 | Peak Integrated by Software |
| Q1848-03    | FG015737.D | ortho-Terphenyl (SURR) | yogesh    | 4/23/2025 7:33:16 AM | mohammad      | 4/24/2025 6:34:05 | Peak Integrated by Software |
| Q1848-03MS  | FG015739.D | n-Octacosane (C28)     | yogesh    | 4/23/2025 7:33:18 AM | mohammad      | 4/24/2025 6:34:05 | Peak Integrated by Software |
| Q1848-03MS  | FG015739.D | n-Tricontane (C30)     | yogesh    | 4/23/2025 7:33:18 AM | mohammad      | 4/24/2025 6:34:05 | Peak Integrated by Software |
| Q1848-03MSD | FG015740.D | n-Octacosane (C28)     | yogesh    | 4/23/2025 7:33:20 AM | mohammad      | 4/24/2025 6:34:05 | Peak Integrated by Software |
| Q1848-03MSD | FG015740.D | n-Tetracontane (C40)   | yogesh    | 4/23/2025 7:33:20 AM | mohammad      | 4/24/2025 6:34:05 | Peak Integrated by Software |

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE041725AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 4/16/2025 2:56:14 PM            |
| Supervise By                                                       | mohammad                                | Supervise On      | 4/18/2025 1:20:00 AM            |
| SubDirectory                                                       | FE041725AL                              | HP Acquire Method | HP Processing Method FE041725AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24176                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24174,PP24179                         |                   |                                 |

| Sr# | SampleId                    | Data File Name | Date-Time         | Operator | Status |
|-----|-----------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                       | FE053385.D     | 16 Apr 2025 14:34 | YP\AJ    | Ok     |
| 2   | I.BLK                       | FE053386.D     | 16 Apr 2025 15:04 | YP\AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC STD1   | FE053387.D     | 16 Apr 2025 15:35 | YP\AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC STD2    | FE053388.D     | 16 Apr 2025 16:35 | YP\AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC STD3    | FE053389.D     | 16 Apr 2025 17:05 | YP\AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC STD4    | FE053390.D     | 16 Apr 2025 17:36 | YP\AJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC STD5     | FE053391.D     | 16 Apr 2025 18:06 | YP\AJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC STD ICV | FE053392.D     | 16 Apr 2025 18:36 | YP\AJ    | Ok     |
| 9   | I.BLK                       | FE053393.D     | 16 Apr 2025 19:36 | YP\AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC STD     | FE053394.D     | 16 Apr 2025 20:06 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_E

## Daily Analysis Runlog For Sequence/QC Batch ID # FE042225AL

|                                                                                                    |                                         |                   |                                 |
|----------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                                                          | yogesh                                  | Review On         | 4/22/2025 10:39:58 AM           |
| Supervise By                                                                                       | mohammad                                | Supervise On      | 4/24/2025 6:34:11 AM            |
| SubDirectory                                                                                       | FE042225AL                              | HP Acquire Method | HP Processing Method FE041725AL |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                                                            | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24176<br><br>PP24174,PP24179          |                   |                                 |

| Sr# | SampleId                | Data File Name | Date-Time         | Operator | Status |
|-----|-------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                   | FE053455.D     | 22 Apr 2025 07:37 | YP\AJ    | Ok     |
| 2   | I.BLK                   | FE053456.D     | 22 Apr 2025 08:07 | YP\AJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC STD | FE053457.D     | 22 Apr 2025 08:37 | YP\AJ    | Ok     |
| 4   | Q1832-34DL              | FE053458.D     | 22 Apr 2025 09:38 | YP\AJ    | Ok,M   |
| 5   | Q1840-01DL              | FE053459.D     | 22 Apr 2025 10:08 | YP\AJ    | Ok     |
| 6   | I.BLK                   | FE053460.D     | 22 Apr 2025 11:08 | YP\AJ    | Ok     |
| 7   | 20 PPM ALIPHATIC HC STD | FE053461.D     | 22 Apr 2025 11:39 | YP\AJ    | Ok,M   |
| 8   | Q1842-05                | FE053462.D     | 22 Apr 2025 12:44 | YP\AJ    | Ok     |
| 9   | Q1842-09                | FE053463.D     | 22 Apr 2025 13:14 | YP\AJ    | Ok     |
| 10  | Q1842-10                | FE053464.D     | 22 Apr 2025 13:45 | YP\AJ    | Ok     |
| 11  | Q1842-11                | FE053465.D     | 22 Apr 2025 14:15 | YP\AJ    | Ok     |
| 12  | Q1842-15                | FE053466.D     | 22 Apr 2025 14:45 | YP\AJ    | Ok     |
| 13  | Q1842-16                | FE053467.D     | 22 Apr 2025 15:15 | YP\AJ    | Ok     |
| 14  | Q1842-17                | FE053468.D     | 22 Apr 2025 15:45 | YP\AJ    | Ok     |
| 15  | Q1842-21                | FE053469.D     | 22 Apr 2025 16:15 | YP\AJ    | Ok     |
| 16  | Q1842-28                | FE053470.D     | 22 Apr 2025 16:46 | YP\AJ    | Ok     |
| 17  | Q1842-29                | FE053471.D     | 22 Apr 2025 17:16 | YP\AJ    | Ok     |
| 18  | Q1842-33                | FE053472.D     | 22 Apr 2025 17:46 | YP\AJ    | Ok     |
| 19  | Q1842-34                | FE053473.D     | 22 Apr 2025 18:16 | YP\AJ    | Ok     |
| 20  | Q1842-35                | FE053474.D     | 22 Apr 2025 18:46 | YP\AJ    | Ok     |
| 21  | Q1842-39                | FE053475.D     | 22 Apr 2025 19:16 | YP\AJ    | Ok     |

Instrument ID: FID\_E

## Daily Analysis Runlog For Sequence/QC Batch ID # FE042225AL

| Review By                                                                                          | yogesh                                  | Review On         | 4/22/2025 10:39:58 AM           |
|----------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Supervise By                                                                                       | mohammad                                | Supervise On      | 4/24/2025 6:34:11 AM            |
| SubDirectory                                                                                       | FE042225AL                              | HP Acquire Method | HP Processing Method FE041725AL |
| STD. NAME                                                                                          | STD REF.#                               |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                                                            | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24176<br><br>PP24174,PP24179          |                   |                                 |

|    |                         |            |                   |       |          |
|----|-------------------------|------------|-------------------|-------|----------|
| 22 | Q1842-40                | FE053476.D | 22 Apr 2025 19:47 | YP\AJ | Ok       |
| 23 | Q1842-41                | FE053477.D | 22 Apr 2025 20:17 | YP\AJ | Ok,M     |
| 24 | I.BLK                   | FE053478.D | 22 Apr 2025 21:17 | YP\AJ | Ok       |
| 25 | 20 PPM ALIPHATIC HC STD | FE053479.D | 22 Apr 2025 21:47 | YP\AJ | Ok,M     |
| 26 | Q1848-01                | FE053480.D | 22 Apr 2025 22:47 | YP\AJ | Ok       |
| 27 | Q1848-02                | FE053481.D | 22 Apr 2025 23:18 | YP\AJ | Ok,M     |
| 28 | Q1847-03                | FE053482.D | 22 Apr 2025 23:48 | YP\AJ | Dilution |
| 29 | Q1850-01                | FE053483.D | 23 Apr 2025 00:18 | YP\AJ | Dilution |
| 30 | Q1851-01                | FE053484.D | 23 Apr 2025 00:48 | YP\AJ | Ok       |
| 31 | Q1851-02                | FE053485.D | 23 Apr 2025 01:18 | YP\AJ | Ok       |
| 32 | Q1851-03                | FE053486.D | 23 Apr 2025 01:48 | YP\AJ | Ok       |
| 33 | Q1851-04                | FE053487.D | 23 Apr 2025 02:18 | YP\AJ | Ok       |
| 34 | I.BLK                   | FE053488.D | 23 Apr 2025 03:19 | YP\AJ | Ok       |
| 35 | 20 PPM ALIPHATIC HC STD | FE053489.D | 23 Apr 2025 03:49 | YP\AJ | Ok,M     |

M : Manual Integration

Instrument ID: FID\_G

## Daily Analysis Runlog For Sequence/QC Batch ID # FG041725AL

|                                                                                                    |                                         |                   |                                 |
|----------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                                                          | yogesh                                  | Review On         | 4/17/2025 1:27:34 PM            |
| Supervise By                                                                                       | mohammad                                | Supervise On      | 4/21/2025 1:16:37 AM            |
| SubDirectory                                                                                       | FG041725AL                              | HP Acquire Method | HP Processing Method FG041725AL |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                                                            | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24176<br><br>PP24174,PP24179          |                   |                                 |

| Sr# | SampleId                    | Data File Name | Date-Time         | Operator | Status |
|-----|-----------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                       | FG015679.D     | 17 Apr 2025 09:21 | YP\AJ    | Ok     |
| 2   | I.BLK                       | FG015680.D     | 17 Apr 2025 09:50 | YP\AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC STD1   | FG015681.D     | 17 Apr 2025 10:19 | YP\AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC STD2    | FG015682.D     | 17 Apr 2025 10:48 | YP\AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC STD3    | FG015683.D     | 17 Apr 2025 11:17 | YP\AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC STD4    | FG015684.D     | 17 Apr 2025 11:47 | YP\AJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC STD5     | FG015685.D     | 17 Apr 2025 12:16 | YP\AJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC STD ICV | FG015686.D     | 17 Apr 2025 12:45 | YP\AJ    | Ok     |
| 9   | I.BLK                       | FG015687.D     | 17 Apr 2025 13:15 | YP\AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC STD     | FG015688.D     | 17 Apr 2025 13:44 | YP\AJ    | Ok     |
| 11  | PB167630BL                  | FG015689.D     | 17 Apr 2025 15:28 | YP\AJ    | Ok     |
| 12  | PB167630BS                  | FG015690.D     | 17 Apr 2025 15:57 | YP\AJ    | Ok,M   |
| 13  | PB167630BSD                 | FG015691.D     | 17 Apr 2025 16:26 | YP\AJ    | Ok,M   |
| 14  | Q1818-03                    | FG015692.D     | 17 Apr 2025 16:55 | YP\AJ    | Ok     |
| 15  | Q1818-03D                   | FG015693.D     | 17 Apr 2025 17:24 | YP\AJ    | Ok     |
| 16  | Q1818-03MS                  | FG015694.D     | 17 Apr 2025 17:54 | YP\AJ    | Ok,M   |
| 17  | Q1818-03MSD                 | FG015695.D     | 17 Apr 2025 18:23 | YP\AJ    | Ok,M   |
| 18  | Q1818-04                    | FG015696.D     | 17 Apr 2025 20:20 | YP\AJ    | Ok     |
| 19  | I.BLK                       | FG015697.D     | 17 Apr 2025 21:19 | YP\AJ    | Ok     |
| 20  | 20 PPM ALIPHATIC HC STD     | FG015698.D     | 17 Apr 2025 21:48 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_G

## Daily Analysis Runlog For Sequence/QC Batch ID # FG042225AL

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 4/22/2025 1:33:58 PM            |
| Supervise By                                                       | mohammad                                | Supervise On      | 4/24/2025 6:34:05 AM            |
| SubDirectory                                                       | FG042225AL                              | HP Acquire Method | HP Processing Method FG041725AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24176                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24174,PP24179                         |                   |                                 |

| Sr# | SampleId                | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------------------|----------------|-------------------|----------|----------|
| 1   | MECL2                   | FG015731.D     | 22 Apr 2025 08:42 | YP\AJ    | Ok       |
| 2   | I.BLK                   | FG015732.D     | 22 Apr 2025 11:39 | YP\AJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC STD | FG015733.D     | 22 Apr 2025 12:08 | YP\AJ    | Ok       |
| 4   | PB167690BL              | FG015734.D     | 22 Apr 2025 13:48 | YP\AJ    | Ok       |
| 5   | PB167690BS              | FG015735.D     | 22 Apr 2025 14:18 | YP\AJ    | Ok,M     |
| 6   | PB167690BSD             | FG015736.D     | 22 Apr 2025 14:47 | YP\AJ    | Ok,M     |
| 7   | Q1848-03                | FG015737.D     | 22 Apr 2025 15:16 | YP\AJ    | Dilution |
| 8   | Q1848-03D               | FG015738.D     | 22 Apr 2025 15:46 | YP\AJ    | Ok       |
| 9   | Q1848-03MS              | FG015739.D     | 22 Apr 2025 16:15 | YP\AJ    | Ok,M     |
| 10  | Q1848-03MSD             | FG015740.D     | 22 Apr 2025 16:45 | YP\AJ    | Ok,M     |
| 11  | Q1848-04                | FG015741.D     | 22 Apr 2025 17:14 | YP\AJ    | Dilution |
| 12  | Q1848-05                | FG015742.D     | 22 Apr 2025 17:43 | YP\AJ    | Ok       |
| 13  | Q1848-06                | FG015743.D     | 22 Apr 2025 18:13 | YP\AJ    | Dilution |
| 14  | I.BLK                   | FG015744.D     | 22 Apr 2025 19:11 | YP\AJ    | Ok       |
| 15  | 20 PPM ALIPHATIC HC STD | FG015745.D     | 22 Apr 2025 19:41 | YP\AJ    | Ok       |

M : Manual Integration

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE041725AL**

|                                         |                                         |                   |                      |
|-----------------------------------------|-----------------------------------------|-------------------|----------------------|
| Review By                               | yogesh                                  | Review On         | 4/16/2025 2:56:14 PM |
| Supervise By                            | mohammad                                | Supervise On      | 4/18/2025 1:20:00 AM |
| SubDirectory                            | FE041725AL                              | HP Acquire Method | HP Processing Method |
|                                         |                                         |                   | FE041725AL           |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                      |
| Tune/Reschk<br>Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                      |
| CCC                                     | PP24176                                 |                   |                      |
| Internal Standard/PEM                   | PP24174,PP24179                         |                   |                      |
| ICV/I.BLK                               |                                         |                   |                      |
| Surrogate Standard                      |                                         |                   |                      |
| MS/MSD Standard                         |                                         |                   |                      |
| LCS Standard                            |                                         |                   |                      |

| Sr# | SampleID             | ClientID             | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|----------------------|----------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2                | MECL2                | FE053385.D     | 16 Apr 2025 14:34 |         | YP\AJ    | Ok     |
| 2   | I.BLK                | I.BLK                | FE053386.D     | 16 Apr 2025 15:04 |         | YP\AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC | 100 PPM ALIPHATIC HC | FE053387.D     | 16 Apr 2025 15:35 |         | YP\AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC  | 50 PPM ALIPHATIC HC  | FE053388.D     | 16 Apr 2025 16:35 |         | YP\AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FE053389.D     | 16 Apr 2025 17:05 |         | YP\AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC  | 10 PPM ALIPHATIC HC  | FE053390.D     | 16 Apr 2025 17:36 |         | YP\AJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC   | 5 PPM ALIPHATIC HC   | FE053391.D     | 16 Apr 2025 18:06 |         | YP\AJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FE053392.D     | 16 Apr 2025 18:36 |         | YP\AJ    | Ok     |
| 9   | I.BLK                | I.BLK                | FE053393.D     | 16 Apr 2025 19:36 |         | YP\AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FE053394.D     | 16 Apr 2025 20:06 |         | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE042225AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 4/22/2025 10:39:58 AM           |
| Supervise By                            | mohammad                                | Supervise On      | 4/24/2025 6:34:11 AM            |
| SubDirectory                            | FE042225AL                              | HP Acquire Method | HP Processing Method FE041725AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC                                     | PP24176                                 |                   |                                 |
| Internal Standard/PEM                   | PP24174,PP24179                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|---------------------|---------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2               | MECL2               | FE053455.D     | 22 Apr 2025 07:37 |         | YP\AJ    | Ok     |
| 2   | I.BLK               | I.BLK               | FE053456.D     | 22 Apr 2025 08:07 |         | YP\AJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE053457.D     | 22 Apr 2025 08:37 |         | YP\AJ    | Ok     |
| 4   | Q1832-34DL          | PL-714-17DL         | FE053458.D     | 22 Apr 2025 09:38 |         | YP\AJ    | Ok,M   |
| 5   | Q1840-01DL          | OK-04-04182025DL    | FE053459.D     | 22 Apr 2025 10:08 |         | YP\AJ    | Ok     |
| 6   | I.BLK               | I.BLK               | FE053460.D     | 22 Apr 2025 11:08 |         | YP\AJ    | Ok     |
| 7   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE053461.D     | 22 Apr 2025 11:39 |         | YP\AJ    | Ok,M   |
| 8   | Q1842-05            | PL-714-24           | FE053462.D     | 22 Apr 2025 12:44 |         | YP\AJ    | Ok     |
| 9   | Q1842-09            | PL-714-25           | FE053463.D     | 22 Apr 2025 13:14 |         | YP\AJ    | Ok     |
| 10  | Q1842-10            | PL-714-26           | FE053464.D     | 22 Apr 2025 13:45 |         | YP\AJ    | Ok     |
| 11  | Q1842-11            | PL-714-27           | FE053465.D     | 22 Apr 2025 14:15 |         | YP\AJ    | Ok     |
| 12  | Q1842-15            | PL-714-28           | FE053466.D     | 22 Apr 2025 14:45 |         | YP\AJ    | Ok     |
| 13  | Q1842-16            | PL-714-29           | FE053467.D     | 22 Apr 2025 15:15 |         | YP\AJ    | Ok     |
| 14  | Q1842-17            | PL-714-30           | FE053468.D     | 22 Apr 2025 15:45 |         | YP\AJ    | Ok     |
| 15  | Q1842-21            | PL-714-31           | FE053469.D     | 22 Apr 2025 16:15 |         | YP\AJ    | Ok     |
| 16  | Q1842-28            | PL-714-35           | FE053470.D     | 22 Apr 2025 16:46 |         | YP\AJ    | Ok     |
| 17  | Q1842-29            | PL-714-36           | FE053471.D     | 22 Apr 2025 17:16 |         | YP\AJ    | Ok     |
| 18  | Q1842-33            | PL-714-37           | FE053472.D     | 22 Apr 2025 17:46 |         | YP\AJ    | Ok     |

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE042225AL**

| Review By                               | yogesh                                  | Review On         | 4/22/2025 10:39:58 AM           |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Supervise By                            | mohammad                                | Supervise On      | 4/24/2025 6:34:11 AM            |
| SubDirectory                            | FE042225AL                              | HP Acquire Method | HP Processing Method FE041725AL |
| STD. NAME                               | STD REF.#                               |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC                                     | PP24176                                 |                   |                                 |
| Internal Standard/PEM                   | PP24174,PP24179                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

|    |                     |                     |            |                   |                          |       |          |
|----|---------------------|---------------------|------------|-------------------|--------------------------|-------|----------|
| 19 | Q1842-34            | PL-714-38           | FE053473.D | 22 Apr 2025 18:16 |                          | YPIAJ | Ok       |
| 20 | Q1842-35            | PL-714-39           | FE053474.D | 22 Apr 2025 18:46 |                          | YPIAJ | Ok       |
| 21 | Q1842-39            | PL-714-40           | FE053475.D | 22 Apr 2025 19:16 |                          | YPIAJ | Ok       |
| 22 | Q1842-40            | PL-714-41           | FE053476.D | 22 Apr 2025 19:47 |                          | YPIAJ | Ok       |
| 23 | Q1842-41            | PL-714-42           | FE053477.D | 22 Apr 2025 20:17 |                          | YPIAJ | Ok,M     |
| 24 | I.BLK               | I.BLK               | FE053478.D | 22 Apr 2025 21:17 |                          | YPIAJ | Ok       |
| 25 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE053479.D | 22 Apr 2025 21:47 |                          | YPIAJ | Ok,M     |
| 26 | Q1848-01            | RBR200027           | FE053480.D | 22 Apr 2025 22:47 |                          | YPIAJ | Ok       |
| 27 | Q1848-02            | RBR200027-E2        | FE053481.D | 22 Apr 2025 23:18 |                          | YPIAJ | Ok,M     |
| 28 | Q1847-03            | PAD-42125           | FE053482.D | 22 Apr 2025 23:48 | need 10x & 100x dilution | YPIAJ | Dilution |
| 29 | Q1850-01            | CONCRETE-PILE-N-C   | FE053483.D | 23 Apr 2025 00:18 | need 10x dilution        | YPIAJ | Dilution |
| 30 | Q1851-01            | DP5                 | FE053484.D | 23 Apr 2025 00:48 |                          | YPIAJ | Ok       |
| 31 | Q1851-02            | DP6                 | FE053485.D | 23 Apr 2025 01:18 |                          | YPIAJ | Ok       |
| 32 | Q1851-03            | DP7                 | FE053486.D | 23 Apr 2025 01:48 |                          | YPIAJ | Ok       |
| 33 | Q1851-04            | DP8                 | FE053487.D | 23 Apr 2025 02:18 |                          | YPIAJ | Ok       |
| 34 | I.BLK               | I.BLK               | FE053488.D | 23 Apr 2025 03:19 |                          | YPIAJ | Ok       |
| 35 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE053489.D | 23 Apr 2025 03:49 |                          | YPIAJ | Ok,M     |

M : Manual Integration

Instrument ID: FID\_G

## Daily Analysis Runlog For Sequence/QC Batch ID # FG041725AL

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 4/17/2025 1:27:34 PM            |
| Supervise By                            | mohammad                                | Supervise On      | 4/21/2025 1:16:37 AM            |
| SubDirectory                            | FG041725AL                              | HP Acquire Method | HP Processing Method FG041725AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC                                     | PP24176                                 |                   |                                 |
| Internal Standard/PEM                   | PP24174,PP24179                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment               | Operator | Status |
|-----|---------------------|---------------------|----------------|-------------------|-----------------------|----------|--------|
| 1   | MECL2               | MECL2               | FG015679.D     | 17 Apr 2025 09:21 |                       | YPIAJ    | Ok     |
| 2   | I.BLK               | I.BLK               | FG015680.D     | 17 Apr 2025 09:50 |                       | YPIAJ    | Ok     |
| 3   | 100 PPM ALIPHATIC H | 100 PPM ALIPHATIC H | FG015681.D     | 17 Apr 2025 10:19 |                       | YPIAJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC | 50 PPM ALIPHATIC HC | FG015682.D     | 17 Apr 2025 10:48 |                       | YPIAJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG015683.D     | 17 Apr 2025 11:17 |                       | YPIAJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC | 10 PPM ALIPHATIC HC | FG015684.D     | 17 Apr 2025 11:47 |                       | YPIAJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC  | 5 PPM ALIPHATIC HC  | FG015685.D     | 17 Apr 2025 12:16 |                       | YPIAJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG015686.D     | 17 Apr 2025 12:45 |                       | YPIAJ    | Ok     |
| 9   | I.BLK               | I.BLK               | FG015687.D     | 17 Apr 2025 13:15 |                       | YPIAJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG015688.D     | 17 Apr 2025 13:44 |                       | YPIAJ    | Ok     |
| 11  | PB167630BL          | PB167630BL          | FG015689.D     | 17 Apr 2025 15:28 |                       | YPIAJ    | Ok     |
| 12  | PB167630BS          | PB167630BS          | FG015690.D     | 17 Apr 2025 15:57 |                       | YPIAJ    | Ok,M   |
| 13  | PB167630BSD         | PB167630BSD         | FG015691.D     | 17 Apr 2025 16:26 |                       | YPIAJ    | Ok,M   |
| 14  | Q1818-03            | RT-3873             | FG015692.D     | 17 Apr 2025 16:55 |                       | YPIAJ    | Ok     |
| 15  | Q1818-03D           | Q1818-03D           | FG015693.D     | 17 Apr 2025 17:24 |                       | YPIAJ    | Ok     |
| 16  | Q1818-03MS          | RT-3873MS           | FG015694.D     | 17 Apr 2025 17:54 | FG015692.D            | YPIAJ    | Ok,M   |
| 17  | Q1818-03MSD         | RT-3873MSD          | FG015695.D     | 17 Apr 2025 18:23 | FG015692.D!FG015694.D | YPIAJ    | Ok,M   |
| 18  | Q1818-04            | RT-3873-E2          | FG015696.D     | 17 Apr 2025 20:20 |                       | YPIAJ    | Ok     |

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG041725AL**

| Review By                               | yogesh                                  | Review On         | 4/17/2025 1:27:34 PM            |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Supervise By                            | mohammad                                | Supervise On      | 4/21/2025 1:16:37 AM            |
| SubDirectory                            | FG041725AL                              | HP Acquire Method | HP Processing Method FG041725AL |
| STD. NAME                               | STD REF.#                               |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC                                     | PP24176                                 |                   |                                 |
| Internal Standard/PEM                   | PP24174,PP24179                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

|    |                     |                     |            |                   |  |       |    |
|----|---------------------|---------------------|------------|-------------------|--|-------|----|
| 19 | I.BLK               | I.BLK               | FG015697.D | 17 Apr 2025 21:19 |  | YP\AJ | Ok |
| 20 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG015698.D | 17 Apr 2025 21:48 |  | YP\AJ | Ok |

M : Manual Integration

Instrument ID: FID\_G

**Daily Analysis Runlog For Sequence/QC Batch ID # FG042225AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 4/22/2025 1:33:58 PM            |
| Supervise By                            | mohammad                                | Supervise On      | 4/24/2025 6:34:05 AM            |
| SubDirectory                            | FG042225AL                              | HP Acquire Method | HP Processing Method FG041725AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP24170,PP24175,PP24176,PP24177,PP24178 |                   |                                 |
| CCC                                     | PP24176                                 |                   |                                 |
| Internal Standard/PEM                   | PP24174,PP24179                         |                   |                                 |
| ICV/I.BLK                               |                                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment               | Operator | Status   |
|-----|---------------------|---------------------|----------------|-------------------|-----------------------|----------|----------|
| 1   | MECL2               | MECL2               | FG015731.D     | 22 Apr 2025 08:42 |                       | YP\AJ    | Ok       |
| 2   | I.BLK               | I.BLK               | FG015732.D     | 22 Apr 2025 11:39 |                       | YP\AJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG015733.D     | 22 Apr 2025 12:08 |                       | YP\AJ    | Ok       |
| 4   | PB167690BL          | PB167690BL          | FG015734.D     | 22 Apr 2025 13:48 |                       | YP\AJ    | Ok       |
| 5   | PB167690BS          | PB167690BS          | FG015735.D     | 22 Apr 2025 14:18 |                       | YP\AJ    | Ok,M     |
| 6   | PB167690BSD         | PB167690BSD         | FG015736.D     | 22 Apr 2025 14:47 |                       | YP\AJ    | Ok,M     |
| 7   | Q1848-03            | ETGI-275            | FG015737.D     | 22 Apr 2025 15:16 | need 5x dilution      | YP\AJ    | Dilution |
| 8   | Q1848-03D           | Q1848-03D           | FG015738.D     | 22 Apr 2025 15:46 |                       | YP\AJ    | Ok       |
| 9   | Q1848-03MS          | ETGI-275MS          | FG015739.D     | 22 Apr 2025 16:15 | FG015737.D            | YP\AJ    | Ok,M     |
| 10  | Q1848-03MSD         | ETGI-275MSD         | FG015740.D     | 22 Apr 2025 16:45 | FG015737.D\FG015739.D | YP\AJ    | Ok,M     |
| 11  | Q1848-04            | ETGI-275-E2         | FG015741.D     | 22 Apr 2025 17:14 | need 2x dilution      | YP\AJ    | Dilution |
| 12  | Q1848-05            | ETGI-342            | FG015742.D     | 22 Apr 2025 17:43 |                       | YP\AJ    | Ok       |
| 13  | Q1848-06            | ETGI-342-E2         | FG015743.D     | 22 Apr 2025 18:13 | need 5x dilution      | YP\AJ    | Dilution |
| 14  | I.BLK               | I.BLK               | FG015744.D     | 22 Apr 2025 19:11 |                       | YP\AJ    | Ok       |
| 15  | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FG015745.D     | 22 Apr 2025 19:41 |                       | YP\AJ    | Ok       |

M : Manual Integration

**SOP ID:** MNJDEP-EPH-7

**Clean Up SOP #:** N/A **Extraction Start Date :** 04/22/2025

**Matrix :** Solid **Extraction Start Time :** 09:40

**Weigh By:** EH **Extraction By:** RJ **Extraction End Date :** 04/22/2025

**Balance check:** RJ **Filter By:** RJ **Extraction End Time :** 13:40

**Balance ID:** EX-SC-2 **pH Meter ID:** N/A **Concentration By:** EH

**pH Strip Lot#:** N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

**Extraction Method:** ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

| Standardized Name       | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-------------------------|----------|---------------------|---------------------|
| Spike Sol 1             | 1.0ML    | 100 PPM             | PP24462             |
| Surrogate               | 1.0ML    | 100 PPM             | PP24432             |
| Fractionation Surrogate | 1.0ML    | 100 PPM             | PP24403             |
| N/A                     | N/A      | N/A                 | N/A                 |
| N/A                     | N/A      | N/A                 | N/A                 |

| Chemical Used     | ML/SAMPLE USED | Lot Number |
|-------------------|----------------|------------|
| MeCl2/Acetone/1:1 | N/A            | EP2600     |
| Baked Na2SO4      | N/A            | EP2604     |
| Sand              | N/A            | E2865      |
| Hexane            | N/A            | E3916      |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |

**Extraction Conformance/Non-Conformance Comments:**

N/A

**KD Bath ID:** N/A **Envap ID:** NEVAP-02

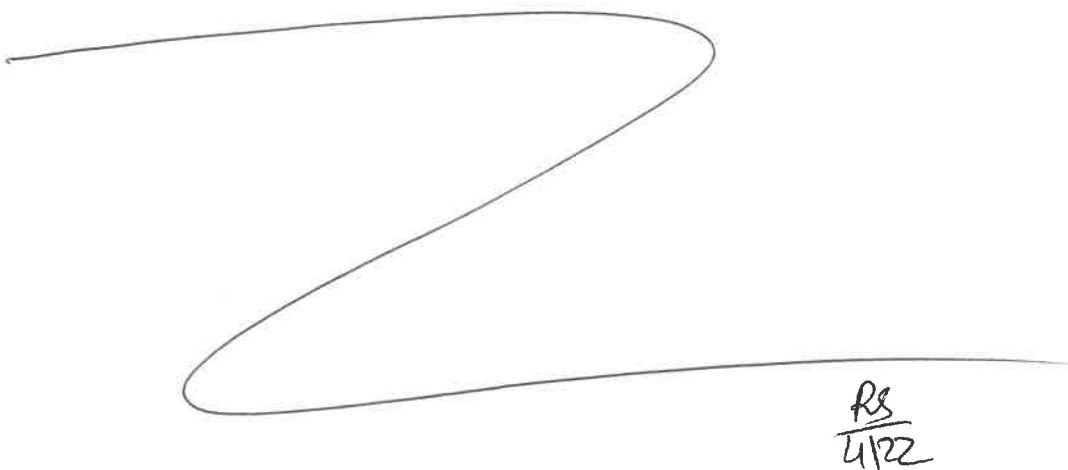
**KD Bath Temperature:** N/A **Envap Temperature:** 40 °C

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location  |
|----------------|-----------------------------------------|-----------------------|
| <u>4/22/25</u> | <u>RS (Ext Lab)</u>                     | <u>Y-p (Ext) PCB</u>  |
| <u>13:45</u>   | <u>Preparation Group</u>                | <u>Analysis Group</u> |

Analytical Method: MNJDEP-EPH-7

Concentration Date: 04/22/2025

| Sample ID       | Client Sample ID      | Test   | g/ mL | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|-----------------------|--------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                       |        |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB167690BL      | PB167690BL            | EPH_NF | 30.02 | N/A | ritesh         | Evelyn     | 2                  |       |          | U3-1        |
| PB167690BS      | PB167690BS            | EPH_NF | 30.03 | N/A | ritesh         | Evelyn     | 2                  |       |          | 2           |
| PB167690BS<br>D | PB167690BSD           | EPH_NF | 30.02 | N/A | ritesh         | Evelyn     | 2                  |       |          | 3           |
| Q1847-03        | PAD-24125             | EPH_NF | 30.07 | N/A | ritesh         | Evelyn     | 2                  | B     | Stone    | 4           |
| Q1848-01        | RBR200027             | EPH_NF | 30.08 | N/A | ritesh         | Evelyn     | 2                  | E     |          | 5           |
| Q1848-02        | RBR200027-E2          | EPH_NF | 30.03 | N/A | ritesh         | Evelyn     | 2                  |       |          | 6           |
| Q1848-03        | ETGI-275              | EPH_NF | 30.08 | N/A | ritesh         | Evelyn     | 2                  | E     |          | U6-1        |
| Q1848-03DU<br>P | ETGI-275DUP           | EPH_NF | 30.03 | N/A | ritesh         | Evelyn     | 2                  | E     |          | 2           |
| Q1848-03MS      | ETGI-275MS            | EPH_NF | 30.02 | N/A | ritesh         | Evelyn     | 2                  | E     |          | 3           |
| Q1848-03MS<br>D | ETGI-275MSD           | EPH_NF | 30.01 | N/A | ritesh         | Evelyn     | 2                  | E     |          | 4           |
| Q1848-04        | ETGI-275-E2           | EPH_NF | 30.07 | N/A | ritesh         | Evelyn     | 2                  |       |          | 5           |
| Q1848-05        | ETGI-342              | EPH_NF | 30.06 | N/A | ritesh         | Evelyn     | 2                  | E     |          | 6           |
| Q1848-06        | ETGI-342-E2           | EPH_NF | 30.02 | N/A | ritesh         | Evelyn     | 2                  |       |          | U1-1        |
| Q1850-01        | CONCRETE-PILE-N-C-LOT | EPH_NF | 30.05 | N/A | ritesh         | Evelyn     | 2                  | D     | Concrete | 2           |
| Q1851-01        | DP5                   | EPH_NF | 30.01 | N/A | ritesh         | Evelyn     | 2                  |       | Stone    | 3           |
| Q1851-02        | DP6                   | EPH_NF | 30.06 | N/A | ritesh         | Evelyn     | 2                  |       | Stone    | 4           |
| Q1851-03        | DP7                   | EPH_NF | 30.03 | N/A | ritesh         | Evelyn     | 2                  |       | Stone    | 5           |
| Q1851-04        | DP8                   | EPH_NF | 30.06 | N/A | ritesh         | Evelyn     | 2                  |       | Stone    | 6           |



\* Extracts relinquished on the same date as received.

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1851

WorkList ID : 189077

Department : Extraction

Date : 04-22-2025 08:34:35

| Sample   | Customer Sample       | Matrix | Test   | Preservative | Customer | Raw Sample<br>Storage<br>Location | Collect Date | Method |
|----------|-----------------------|--------|--------|--------------|----------|-----------------------------------|--------------|--------|
| Q1847-03 | PAD-24125             | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L41                               | 04/21/2025   | NJEPH  |
| Q1848-01 | RBR200027             | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                               | 04/21/2025   | NJEPH  |
| Q1848-02 | RBR200027-E2          | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                               | 04/21/2025   | NJEPH  |
| Q1848-03 | ETGI-275              | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                               | 04/21/2025   | NJEPH  |
| Q1848-04 | ETGI-275-E2           | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                               | 04/21/2025   | NJEPH  |
| Q1848-05 | ETGI-342              | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                               | 04/21/2025   | NJEPH  |
| Q1848-06 | ETGI-342-E2           | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                               | 04/21/2025   | NJEPH  |
| Q1850-01 | CONCRETE-PILE-N-C-LOT | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                               | 04/21/2025   | NJEPH  |
| Q1851-01 | DP5                   | Solid  | EPH_NF | Cool 4 deg C | GENV01   | L31                               | 04/21/2025   | NJEPH  |
| Q1851-02 | DP6                   | Solid  | EPH_NF | Cool 4 deg C | GENV01   | L31                               | 04/21/2025   | NJEPH  |
| Q1851-03 | DP7                   | Solid  | EPH_NF | Cool 4 deg C | GENV01   | L31                               | 04/21/2025   | NJEPH  |
| Q1851-04 | DP8                   | Solid  | EPH_NF | Cool 4 deg C | GENV01   | L31                               | 04/21/2025   | NJEPH  |

Date/Time 04/22/25 9:35

Raw Sample Received by: RS (Felt - lab)

Raw Sample Relinquished by: AS SH

Date/Time 04/22/25 10:05

Raw Sample Received by: AS SH

Raw Sample Relinquished by: RS (Felt - lab)

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1851           | <b>OrderDate:</b> | 4/21/2025 12:52:00 PM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Stockton              |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | L31,VOA Ref. #2 Soil  |

| LabID           | ClientID   | Matrix       | Test   | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|------------|--------------|--------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q1851-01</b> | <b>DP5</b> | <b>Solid</b> | EPH_NF | NJEPH  | <b>04/21/25</b> | 04/22/25  | 04/23/25  | <b>04/21/25</b> |
| <b>Q1851-02</b> | <b>DP6</b> | <b>Solid</b> | EPH_NF | NJEPH  | <b>04/21/25</b> | 04/22/25  | 04/23/25  | <b>04/21/25</b> |
| <b>Q1851-03</b> | <b>DP7</b> | <b>Solid</b> | EPH_NF | NJEPH  | <b>04/21/25</b> | 04/22/25  | 04/23/25  | <b>04/21/25</b> |
| <b>Q1851-04</b> | <b>DP8</b> | <b>Solid</b> | EPH_NF | NJEPH  | <b>04/21/25</b> | 04/22/25  | 04/23/25  | <b>04/21/25</b> |



# SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Geopline  
ADDRESS: 8 CARRAGE Lane  
CITY: Succasunna STATE: NJ ZIP: 07876  
ATTENTION:  
PHONE: FAX:

PROJECT NAME: Stockton  
PROJECT NO.: LOCATION: MT  
PROJECT MANAGER: GL  
e-mail:  
PHONE: FAX:

BILL TO: Geopline PO#:  
ADDRESS: 8 CARRAGE  
CITY: Succasunna STATE: NJ ZIP:  
ATTENTION: PHONE:  
ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) 5 DAY EPHIOL DAYS\*  
HARDCOPY (DATA PACKAGE): 5 DAY EPHIOL DAYS\*  
EDD: Standard DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
☐ + Raw Data ☐ Other WDA  
☒ EDD FORMAT pdf excel hard

EPHICAT  
Soil VLE + B  
TBA/mix

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|---|---|---|---|---|---|---|----------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |          |
| 1.                       | DP5                              | Soil             |                | X    | 4/21/25              | 1030 | 1            | X             |   |   |   |   |   |   |   |   |          |
| 2.                       | DP6                              |                  |                |      |                      | 1030 | 1            | X             |   |   |   |   |   |   |   |   |          |
| 3.                       | DP7                              |                  |                |      |                      | 1035 | 1            | X             |   |   |   |   |   |   |   |   |          |
| 4.                       | DP8                              |                  |                |      |                      | 1045 | 1            | X             |   |   |   |   |   |   |   |   |          |
| 5.                       | GP5                              |                  |                |      |                      | 1110 | 5            |               |   |   | X |   |   |   |   |   |          |
| 6.                       | GP6                              |                  |                |      |                      | 1115 | 5            |               |   |   | X |   |   |   |   |   |          |
| 7.                       | GP7                              | Soil             |                | X    | 4/21/25              | 1121 | 5            |               |   |   | X |   |   |   |   |   |          |
| 8.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 9.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 10.                      |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                                                   |                                    |                                       |                                                                                                                                                                                                                                      |
|---------------------------------------------------|------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <u>[Signature]</u> | DATE/TIME: <u>12:55</u><br>4/21/25 | RECEIVED BY: <u>[Signature]</u><br>1. | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP. <u>2-0°C</u><br>Comments: <u>(Adjust Factor x1)</u><br><u>Id per IL</u> |
| RELINQUISHED BY SAMPLER:<br>2.                    | DATE/TIME:                         | RECEIVED BY:<br>2.                    |                                                                                                                                                                                                                                      |
| RELINQUISHED BY SAMPLER:<br>3.                    | DATE/TIME:                         | RECEIVED BY:<br>3.                    |                                                                                                                                                                                                                                      |

Page \_\_\_\_ of \_\_\_\_ CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

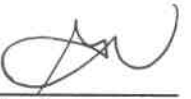
### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
| CAS EPA CLP Contract | 68HERH20D0011    |
| Connecticut          | PH-0830          |
| DOD ELAP (ANAB)      | L2219            |
| Maine                | 2024021          |
| Maryland             | 296              |
| New Hampshire        | 255424 Rev 1     |
| New Jersey           | 20012            |
| New York             | 11376            |
| Pennsylvania         | 68-00548         |
| Soil Permit          | 525-24-234-08441 |
| Texas                | T104704488       |

## LOGIN REPORT/SAMPLE TRANSFER

|                                       |               |                                                 |                                                    |
|---------------------------------------|---------------|-------------------------------------------------|----------------------------------------------------|
| <b>Order ID :</b> Q1851               | <b>GENV01</b> | <b>Order Date :</b> 4/21/2025 12:52:00 PM       | <b>Project Mgr :</b>                               |
| <b>Client Name :</b> G Environmental  |               | <b>Project Name :</b> Stockton                  | <b>Report Type :</b> <del>Level 1</del> NJ Reduced |
| <b>Client Contact :</b> Gary Landis   |               | <b>Receive DateTime :</b> 4/21/2025 12:45:00 PM | <b>EDD Type :</b> Excel NJ                         |
| <b>Invoice Name :</b> G Environmental |               | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>                            |
| <b>Invoice Contact :</b> Gary Landis  |               |                                                 | <b>Date Signoff :</b>                              |

| LAB ID   | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST                                     | TEST GROUP | METHOD | FAX DATE | DUE DATES   |
|----------|-----------|--------|-------------|-------------|------------------------------------------|------------|--------|----------|-------------|
| Q1851-05 | GP5       | Solid  | 04/21/2025  | 11:10       | <del>VOC TCLVQA 10</del><br>VOCMS Group1 |            | 8260D  |          | 5 Bus. Days |
| Q1851-06 | GP6       | Solid  | 04/21/2025  | 11:15       | <del>VOC TCLVQA 10</del><br>VOCMS Group1 |            | 8260D  |          | 5 Bus. Days |
| Q1851-07 | GP7       | Solid  | 04/21/2025  | 11:21       | <del>VOC TCLVQA 10</del><br>VOCMS Group1 |            | 8260D  |          | 5 Bus. Days |
|          |           |        |             |             | YG                                       |            |        |          |             |
|          |           |        |             |             | 04/25/25                                 |            |        |          |             |

Relinquished By : 

Date / Time : 4/21/25 1325

Received By : 

Date / Time : 04/21/25

Storage Area : VOA Refridgerator Room