



# SAMPLE DATA



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

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 04/04/25 |
| Project:           | Stockton        | Date Received:  | 04/04/25 |
| Client Sample ID:  | GST1            | SDG No.:        | Q1736    |
| Lab Sample ID:     | Q1736-01        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 78.6     |
| Sample Wt/Vol:     | 30.03           | Units:          | g        |
| Soil Aliquot Vol:  |                 |                 | uL       |
| Prep Method :      |                 | Final Vol:      | 2000     |
|                    |                 | Test:           | EPH_F2   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/07/25 09:40 | 04/08/25 9:30   | PB167477      |

Datafile

| CAS Number       | Parameter        | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|------------------|------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>   |                  |       |           |          |      |            |                   |            |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 119   |           | 2        | 2.32 | 10.2       | mg/kg             | FC068510.D |
| Total EPH        | Total EPH        | 119   |           |          | 2.32 | 10.2       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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: | 04/04/25 |
| Project:           | Stockton        | Date Received:  | 04/04/25 |
| Client Sample ID:  | GST1            | SDG No.:        | Q1736    |
| Lab Sample ID:     | Q1736-01        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 78.6     |
| Sample Wt/Vol:     | 30.03           | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_F2   |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068504.D | 1         | 04/07/25    | 04/07/25        | PB167477      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 110   | E         | 1.16     | 5.08       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 579   | E         | 1.50     | 2.54       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 29.3  |           | 40 - 140 | 59%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 24.7  |           | 40 - 140 | 49%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1736-01   | Acq On:            | 07 Apr 2025 18:45 |
| Client Sample ID: | GST1       | Operator:          | YP/AJ             |
| Data file:        | FC068504.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 17                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.349  | 6.652  | 2561760   | 22.54   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.653  | 10.053 | 4257325   | 37.687  | 200              | ug/ml |
| Aliphatic C16-C21         | 10.054 | 13.420 | 11507056  | 104.388 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.421 | 17.087 | 124436506 | 1130    | 400              | ug/ml |
| Aliphatic C28-C40         | 17.088 | 22.097 | 556531624 | 6840    | 600              | ug/ml |
| Aliphatic EPH             | 3.349  | 22.097 | 699294271 | 8130    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.725 | 11.725 | 3188741   | 24.73   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.159 | 13.159 | 2696785   | 29.32   |                  | ug/ml |
| Aliphatic C9-C28          | 3.349  | 17.087 | 142762647 | 1290    | 1200             | ug/ml |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: | 04/04/25             |
| Project:           | Stockton               | Date Received:  | 04/04/25             |
| Client Sample ID:  | GST1DL                 | SDG No.:        | Q1736                |
| Lab Sample ID:     | Q1736-01DL             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 78.6                 |
| Sample Wt/Vol:     | 30.03      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_F2               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068510.D | 2         | 04/07/25    | 04/08/25        | PB167477      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 119   |           | 2.32     | 10.2       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 606   | E         | 3.00     | 5.08       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 14.8  |           | 40 - 140 | 59%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 12.4  |           | 40 - 140 | 49%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1736-01DL | Acq On:            | 08 Apr 2025 09:30 |
| Client Sample ID: | GST1DL     | Operator:          | YP/AJ             |
| Data file:        | FC068510.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 11                |
| Dilution Factor:  | 2          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.349  | 6.653  | 1320353   | 11.617  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.654  | 10.055 | 2155348   | 19.08   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.056 | 13.422 | 6460622   | 58.608  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.423 | 17.087 | 67890917  | 615.253 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.088 | 22.094 | 291387982 | 3580    | 600              | ug/ml |
| Aliphatic EPH             | 3.349  | 22.094 | 369215222 | 4280    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.722 | 11.722 | 1595521   | 12.37   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.156 | 13.156 | 1366124   | 14.85   |                  | ug/ml |
| Aliphatic C9-C28          | 3.349  | 17.087 | 77827240  | 704.558 | 1200             | ug/ml |

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 04/04/25 |
| Project:           | Stockton        | Date Received:  | 04/04/25 |
| Client Sample ID:  | GST2            | SDG No.:        | Q1736    |
| Lab Sample ID:     | Q1736-02        | Matrix:         | Solid    |
| Analytical Method: | NJEPH           | % Solid:        | 80.5     |
| Sample Wt/Vol:     | 30.01           | Units:          | g        |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL  |
| Prep Method :      |                 | Test:           | EPH_F2   |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/07/25 09:40 | 04/07/25 16:52  | PB167477      |

Datafile

| CAS Number       | Parameter        | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|------------------|------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>   |                  |       |           |          |      |            |                   |            |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 4.51  | J         | 1        | 1.13 | 4.97       | mg/kg             | FC068501.D |
| Total EPH        | Total EPH        | 4.51  | J         |          | 1.13 | 4.97       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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: | 04/04/25             |
| Project:           | Stockton               | Date Received:  | 04/04/25             |
| Client Sample ID:  | GST2                   | SDG No.:        | Q1736                |
| Lab Sample ID:     | Q1736-02               | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 80.5                 |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_F2               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068501.D | 1         | 04/07/25    | 04/07/25        | PB167477      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 4.51  | J         | 1.13     | 4.97       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 14.2  |           | 1.47     | 2.48       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 45.3  |           | 40 - 140 | 91%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 43.2  |           | 40 - 140 | 86%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1736-02   | Acq On:            | 07 Apr 2025 16:52 |
| Client Sample ID: | GST2       | Operator:          | YP/AJ             |
| Data file:        | FC068501.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 14                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.349  | 6.652  | 476224   | 4.19    | 300              | ug/ml |
| Aliphatic C12-C16         | 6.653  | 10.053 | 1030185  | 9.119   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.054 | 13.420 | 1923758  | 17.452  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.421 | 17.087 | 2628535  | 23.821  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.088 | 22.097 | 13959959 | 171.449 | 600              | ug/ml |
| Aliphatic EPH             | 3.349  | 22.097 | 20018661 | 226.031 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.726 | 11.726 | 5571738  | 43.21   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.158 | 13.158 | 4166783  | 45.3    |                  | ug/ml |
| Aliphatic C9-C28          | 3.349  | 17.087 | 6058702  | 54.582  | 1200             | ug/ml |



# QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM CASE No.: Q1736 SAS No.: Q1736 SDG No.: Q1736  
Run Number: FC040725AL

| Client<br>SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) |  | TOT<br>OUT |
|----------------------|---------------------------|------------------------|--|------------|
| PB167477BL           | 78                        | 74                     |  | 0          |
| PB167477BS           | 83                        | 78                     |  | 0          |
| PB167477BSD          | 84                        | 78                     |  | 0          |
| GST1                 | 59                        | 49                     |  | 0          |
| GST2                 | 91                        | 86                     |  | 0          |
| GST2MS               | 86                        | 80                     |  | 0          |
| GST2MSD              | 85                        | 79                     |  | 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.: Q1736 SAS No.: Q1736 SDG No.: Q1736  
Run Number: FC040825AL

| Client<br>SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) |  | TOT<br>OUT |
|----------------------|---------------------------|------------------------|--|------------|
| GST1DL               | 59                        | 49                     |  | 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

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\_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736  
**Sample No :** Q1736-02MS **Datafile:** FC068502.D  
**Client ID :** GST2MS

| 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 | 37.2                    | 14.2                             | 56.5                             | 113   |      | (40-140)  |
| Aliphatic C9-C28  | 124.1                   | 4.51                             | 111                              | 86    |      | (40-140)  |

**SOLID EPH\_F2 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736  
**Sample No :** Q1736-02MSD **Datafile:** FC068503.D  
**Client ID :** GST2MSD

| 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 | 37.2                    | 14.2                             | 56.9                             | 114   |      | 0.88   (40-140) 25                 |
| Aliphatic C9-C28  | 124.1                   | 4.51                             | 108                              | 84    |      | 2.6   (40-140) 25                  |

**SOLID EPH\_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736  
**Sample No :** PB167477BS **Datafile:** FC068499.D  
**Client ID :** PB167477BS

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS |
|-------------------|-------------------------|------------------------------------|-------|------|-----------|
| Aliphatic C28-C40 | 30.0                    | 26.7                               | 89    |      | (40-140)  |
| Aliphatic C9-C28  | 99.9                    | 82.4                               | 83    |      | (40-140)  |

**SOLID EPH\_F2 LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY**

**Lab Name:** Chemtech **Client:** G Environmental  
**Lab Code:** CHEM **Cas No:** Q1736 **SAS No :** Q1736 **SDG No:** Q1736  
**Sample No :** PB167477BSD **Datafile:** FC068500.D  
**Client ID :** PB167477BSD

| 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                    | 25.5                               | 85    |      | 4.6  (40-140)   | 50                 |
| Aliphatic C9-C28  | 99.9                    | 82.1                               | 82    |      | 0.465  (40-140) | 50                 |

4B  
METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167477BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1736

SAS No.: Q1736 SDG NO.: Q1736

Instrument ID: FID\_C

Lab Sample ID: PB167477BL

Matrix: (soil/water) Solid

Date Extracted: 4/7/2025 9:40:00 AM

Level: (low/med) low

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID |
|-------------------|------------------|
| PB167477BS        | PB167477BS       |
| PB167477BSD       | PB167477BSD      |
| GST1              | Q1736-01         |
| GST2              | Q1736-02         |
| GST2MS            | Q1736-02MS       |
| GST2MSD           | Q1736-02MSD      |

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



# QC SAMPLE DATA

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Stockton            | Date Received:  |              |
| Client Sample ID:  | PB167477BL          | SDG No.:        | Q1736        |
| Lab Sample ID:     | PB167477BL          | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.01      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_F2       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/07/25 09:40 | 04/07/25 15:00  | PB167477      |

Datafile

| CAS Number       | Parameter        | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|------------------|------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>   |                  |       |           |          |      |            |                   |            |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 0.91  | U         | 1        | 0.91 | 4.00       | mg/kg             | FC068498.D |
| Total EPH        | Total EPH        | 0.91  | U         |          | 0.91 | 4.00       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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

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\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: |                      |
| Project:           | Stockton               | Date Received:  |                      |
| Client Sample ID:  | PB167477BL             | SDG No.:        | Q1736                |
| Lab Sample ID:     | PB167477BL             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_F2               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068498.D | 1         | 04/07/25    | 04/07/25        | PB167477      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 0.91  | U         | 0.91     | 4.00       | 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) | 38.8  |           | 40 - 140 | 78%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 36.8  |           | 40 - 140 | 74%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB167477BL | Acq On:            | 07 Apr 2025 15:00 |
| Client Sample ID: | PB167477BL | Operator:          | YP/AJ             |
| Data file:        | FC068498.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 11                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc  | highest_standard | Units |
|---------------------------|--------|--------|----------|-------|------------------|-------|
| Aliphatic C9-C12          | 3.349  | 6.652  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.653  | 10.053 | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 10.054 | 13.420 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.421 | 17.087 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 17.088 | 22.097 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.349  | 22.097 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.726 | 11.726 | 4743922  | 36.79 |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.157 | 13.157 | 3572616  | 38.84 |                  | ug/ml |
| Aliphatic C9-C28          | 3.349  | 17.087 | 0        | 0     | 1200             | ug/ml |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Stockton            | Date Received:  |              |
| Client Sample ID:  | PB167477BS          | SDG No.:        | Q1736        |
| Lab Sample ID:     | PB167477BS          | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_F2       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/07/25 09:40 | 04/07/25 15:38  | PB167477      |

Datafile

| CAS Number       | Parameter        | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|------------------|------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>   |                  |       |           |          |      |            |                   |            |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 82.4  | E         | 1        | 0.91 | 3.99       | mg/kg             | FC068499.D |
| Total EPH        | Total EPH        | 82.4  |           |          | 0.91 | 3.99       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:  | PB167477BS             | SDG No.:        | Q1736                |
| Lab Sample ID:     | PB167477BS             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_F2               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068499.D | 1         | 04/07/25    | 04/07/25        | PB167477      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 82.4  | E         | 0.91     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 26.7  |           | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 41.6  |           | 40 - 140 | 83%        | 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:    | PB167477BS | Acq On:            | 07 Apr 2025 15:38 |
| Client Sample ID: | PB167477BS | Operator:          | YP/AJ             |
| Data file:        | FC068499.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 12                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.349  | 6.652  | 25085090  | 220.711 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.653  | 10.053 | 31632981  | 280.021 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.054 | 13.420 | 36406234  | 330.264 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.421 | 17.087 | 44723519  | 405.302 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.088 | 22.097 | 32657686  | 401.085 | 600              | ug/ml |
| Aliphatic EPH             | 3.349  | 22.097 | 170505510 | 1640    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.723 | 11.723 | 5017440   | 38.91   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.155 | 13.155 | 3829400   | 41.63   |                  | ug/ml |
| Aliphatic C9-C28          | 3.349  | 17.087 | 137847824 | 1240    | 1200             | ug/ml |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Stockton            | Date Received:  |              |
| Client Sample ID:  | PB167477BSD         | SDG No.:        | Q1736        |
| Lab Sample ID:     | PB167477BSD         | Matrix:         | Solid        |
| Analytical Method: | NJEPH               | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.02      Units: g | Final Vol:      | 2000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | EPH_F2       |
| Prep Method :      |                     |                 |              |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/07/25 09:40 | 04/07/25 16:15  | PB167477      |

Datafile

| CAS Number       | Parameter        | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|------------------|------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>   |                  |       |           |          |      |            |                   |            |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 82.1  | E         | 1        | 0.91 | 3.99       | mg/kg             | FC068500.D |
| Total EPH        | Total EPH        | 82.1  |           |          | 0.91 | 3.99       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:  | PB167477BSD            | SDG No.:        | Q1736                |
| Lab Sample ID:     | PB167477BSD            | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.02      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_F2               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068500.D | 1         | 04/07/25    | 04/07/25        | PB167477      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 82.1  | E         | 0.91     | 3.99       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 25.5  |           | 1.18     | 2.00       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 42.0  |           | 40 - 140 | 84%        | 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:    | PB167477BSD | Acq On:            | 07 Apr 2025 16:15 |
| Client Sample ID: | PB167477BSD | Operator:          | YP/AJ             |
| Data file:        | FC068500.D  | Misc:              |                   |
| Instrument:       | FID_C       | ALS Vial:          | 13                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.349  | 6.652  | 24828638  | 218.454 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.653  | 10.053 | 31458596  | 278.477 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.054 | 13.420 | 36281862  | 329.135 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.421 | 17.087 | 44757186  | 405.607 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.088 | 22.097 | 31223292  | 383.469 | 600              | ug/ml |
| Aliphatic EPH             | 3.349  | 22.097 | 168549574 | 1620    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.726 | 11.726 | 5016735   | 38.9    |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.157 | 13.157 | 3861482   | 41.98   |                  | ug/ml |
| Aliphatic C9-C28          | 3.349  | 17.087 | 137326282 | 1230    | 1200             | ug/ml |

## Report of Analysis

|                    |                 |                 |         |
|--------------------|-----------------|-----------------|---------|
| Client:            | G Environmental | Date Collected: |         |
| Project:           | Stockton        | Date Received:  |         |
| Client Sample ID:  | GST2MS          | SDG No.:        | Q1736   |
| Lab Sample ID:     | Q1736-02MS      | Matrix:         | Solid   |
| Analytical Method: | NJEPH           | % Solid:        | 80.5    |
| Sample Wt/Vol:     | 30.05           | Units:          | g       |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL |
| Prep Method :      |                 | Test:           | EPH_F2  |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/07/25 09:40 | 04/07/25 17:30  | PB167477      |

Datafile

| CAS Number       | Parameter        | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|------------------|------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>   |                  |       |           |          |      |            |                   |            |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 111   | E         | 1        | 1.13 | 4.96       | mg/kg             | FC068502.D |
| Total EPH        | Total EPH        | 111   |           |          | 1.13 | 4.96       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:  | GST2MS                 | SDG No.:        | Q1736                |
| Lab Sample ID:     | Q1736-02MS             | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 80.5                 |
| Sample Wt/Vol:     | 30.05      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_F2               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068502.D | 1         | 04/07/25    | 04/07/25        | PB167477      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 111   | E         | 1.13     | 4.96       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 56.5  | E         | 1.46     | 2.48       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 42.9  |           | 40 - 140 | 86%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 39.9  |           | 40 - 140 | 80%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q1736-02MS | Acq On:            | 07 Apr 2025 17:30 |
| Client Sample ID: | GST2MS     | Operator:          | YP/AJ             |
| Data file:        | FC068502.D | Misc:              |                   |
| Instrument:       | FID_C      | ALS Vial:          | 15                |
| Dilution Factor:  | 1          | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.349  | 6.652  | 27436774  | 241.402 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.653  | 10.053 | 35128627  | 310.965 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.054 | 13.420 | 40249527  | 365.128 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.421 | 17.087 | 47368512  | 429.271 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.088 | 22.097 | 55673647  | 683.756 | 600              | ug/ml |
| Aliphatic EPH             | 3.349  | 22.097 | 205857087 | 2030    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.727 | 11.727 | 5146164   | 39.91   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.158 | 13.158 | 3943089   | 42.86   |                  | ug/ml |
| Aliphatic C9-C28          | 3.349  | 17.087 | 150183440 | 1350    | 1200             | ug/ml |

## Report of Analysis

|                    |                 |                 |         |
|--------------------|-----------------|-----------------|---------|
| Client:            | G Environmental | Date Collected: |         |
| Project:           | Stockton        | Date Received:  |         |
| Client Sample ID:  | GST2MSD         | SDG No.:        | Q1736   |
| Lab Sample ID:     | Q1736-02MSD     | Matrix:         | Solid   |
| Analytical Method: | NJEPH           | % Solid:        | 80.5    |
| Sample Wt/Vol:     | 30.04           | Units:          | g       |
| Soil Aliquot Vol:  |                 | Final Vol:      | 2000 uL |
| Prep Method :      |                 | Test:           | EPH_F2  |

|                |                 |               |
|----------------|-----------------|---------------|
| Prep Date :    | Date Analyzed : | Prep Batch ID |
| 04/07/25 09:40 | 04/07/25 18:08  | PB167477      |

Datafile

| CAS Number       | Parameter        | Conc. | Qualifier | Dilution | MDL  | LOQ / CRQL | Units(Dry Weight) |            |
|------------------|------------------|-------|-----------|----------|------|------------|-------------------|------------|
| <b>TARGETS</b>   |                  |       |           |          |      |            |                   |            |
| Aliphatic C9-C28 | Aliphatic C9-C28 | 109   | E         | 1        | 1.13 | 4.96       | mg/kg             | FC068503.D |
| Total EPH        | Total EPH        | 109   |           |          | 1.13 | 4.96       | mg/kg             |            |

\* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C28 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C28 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:  | GST2MSD                | SDG No.:        | Q1736                |
| Lab Sample ID:     | Q1736-02MSD            | Matrix:         | Solid                |
| Analytical Method: | NJEPH                  | % Solid:        | 80.5                 |
| Sample Wt/Vol:     | 30.04      Units:    g | Final Vol:      | 2000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | EPH_F2               |
| Prep Method :      |                        |                 |                      |

|            |           |             |                 |               |
|------------|-----------|-------------|-----------------|---------------|
| File ID :  | Dilution: | Prep Date : | Date Analyzed : | Prep Batch ID |
| FC068503.D | 1         | 04/07/25    | 04/07/25        | PB167477      |

| CAS Number        | Parameter                 | Conc. | Qualifier | MDL      | LOQ / CRQL | Units   |
|-------------------|---------------------------|-------|-----------|----------|------------|---------|
| <b>TARGETS</b>    |                           |       |           |          |            |         |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 109   | E         | 1.13     | 4.96       | mg/kg   |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 56.9  | E         | 1.46     | 2.48       | mg/kg   |
| <b>SURROGATES</b> |                           |       |           |          |            |         |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 42.3  |           | 40 - 140 | 85%        | SPK: 50 |
| 84-15-1           | ortho-Terphenyl (SURR)    | 39.3  |           | 40 - 140 | 79%        | SPK: 50 |



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**Quantitation Report For Aliphatic EPH Range.**

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q1736-02MSD | Acq On:            | 07 Apr 2025 18:08 |
| Client Sample ID: | GST2MSD     | Operator:          | YP/AJ             |
| Data file:        | FC068503.D  | Misc:              |                   |
| Instrument:       | FID_C       | ALS Vial:          | 16                |
| Dilution Factor:  | 1           | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response  | Conc    | highest_standard | Units |
|---------------------------|--------|--------|-----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.349  | 6.652  | 26521674  | 233.35  | 300              | ug/ml |
| Aliphatic C12-C16         | 6.653  | 10.053 | 33962049  | 300.638 | 200              | ug/ml |
| Aliphatic C16-C21         | 10.054 | 13.420 | 39116334  | 354.849 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.421 | 17.087 | 46787993  | 424.011 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.088 | 22.097 | 56036693  | 688.215 | 600              | ug/ml |
| Aliphatic EPH             | 3.349  | 22.097 | 202424743 | 2000    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.727 | 11.727 | 5069084   | 39.31   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.159 | 13.159 | 3889005   | 42.28   |                  | ug/ml |
| Aliphatic C9-C28          | 3.349  | 17.087 | 146388050 | 1310    | 1200             | ug/ml |



# CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC040225AL

**AreaCount**

| Parameter Range   | FC068487.D    | FC068488.D   | FC068489.D   | FC068490.D   | FC068491.D   |  |
|-------------------|---------------|--------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 31367127.000  | 16130027.000 | 6778558.000  | 3641705.000  | 1827350.000  |  |
| Aliphatic C12-C16 | 20853084.000  | 10782879.000 | 4521531.000  | 2435718.000  | 1179147.000  |  |
| Aliphatic C16-C21 | 30321517.000  | 15706100.000 | 6611532.000  | 3549560.000  | 1753192.000  |  |
| Aliphatic C21-C28 | 39460175.000  | 19791819.000 | 8362333.000  | 4426042.000  | 2778833.000  |  |
| Aliphatic C28-C40 | 48104700.000  | 23485614.000 | 9405447.000  | 4618163.000  | 2799253.000  |  |
| Aliphatic EPH     | 170106603.000 | 85896439.000 | 35679401.000 | 18671188.000 | 10337775.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD  |  |  |  |  |
|-------------------|----------------|--------|--|--|--|--|
| Aliphatic C9-C12  | 113656.0139996 | 6.918  |  |  |  |  |
| Aliphatic C12-C16 | 112966.617     | 6.328  |  |  |  |  |
| Aliphatic C16-C21 | 110233.8779996 | 6.789  |  |  |  |  |
| Aliphatic C21-C28 | 110346.279     | 15.151 |  |  |  |  |
| Aliphatic C28-C40 | 81423.2843332  | 8.279  |  |  |  |  |
| Aliphatic EPH     | 101529.318444  | 8.166  |  |  |  |  |

**Concentration**

| Parameter Range   | FC068487.D | FC068488.D | FC068489.D | FC068490.D | FC068491.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   | FC068487.D    | FC068488.D    | FC068489.D    | FC068490.D    | FC068491.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 104557.090000 | 107533.513333 | 112975.966666 | 121390.166666 | 121823.333333 |  |
| Aliphatic C12-C16 | 104265.420000 | 107828.790000 | 113038.275000 | 121785.900000 | 117914.700000 |  |
| Aliphatic C16-C21 | 101071.723333 | 104707.333333 | 110192.200000 | 118318.666666 | 116879.466666 |  |

Initial Calibration Report for SequenceID : FC040225AL

|                   |              |              |               |               |               |  |
|-------------------|--------------|--------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 98650.437500 | 98959.095000 | 104529.162500 | 110651.050000 | 138941.650000 |  |
| Aliphatic C28-C40 | 80174.500000 | 78285.380000 | 78378.725000  | 76969.383333  | 93308.433333  |  |
| Aliphatic EPH     | 94503.668333 | 95440.487777 | 99109.447222  | 103728.822222 | 114864.166666 |  |

Continuing Calibration Report for SequenceID : FC040725AL

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

File ID : FC068497.D

|                   |              |         |        |        |            |            |       |
|-------------------|--------------|---------|--------|--------|------------|------------|-------|
| Aliphatic C9-C12  | 6682131.000  | 60.000  | 3.349  | 6.652  | 111368.850 | 113656.014 | 2.012 |
| Aliphatic C12-C16 | 4492250.000  | 40.000  | 6.653  | 10.053 | 112306.250 | 112966.617 | 0.585 |
| Aliphatic C16-C21 | 6578642.000  | 60.000  | 10.054 | 13.420 | 109644.033 | 110233.878 | 0.535 |
| Aliphatic C21-C28 | 8495195.000  | 80.000  | 13.421 | 17.087 | 106189.938 | 110346.279 | 3.767 |
| Aliphatic C28-C40 | 9408552.000  | 120.000 | 17.088 | 22.097 | 78404.600  | 81423.284  | 3.707 |
| Aliphatic EPH     | 35656770.000 | 360.000 | 3.349  | 22.097 | 99046.583  | 101529.318 | 2.445 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 07 Apr 2025 14:23 |
| Client Sample ID: |                       | Operator:          | YP/AJ             |
| Data file:        | FC068497.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 10                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.349  | 6.652  | 6682131.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.653  | 10.053 | 4492250.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.054 | 13.420 | 6578642.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.421 | 17.087 | 8495195.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.088 | 22.097 | 9408552.000  | 120.000 | ug/ml |
| Aliphatic EPH     | 3.349  | 22.097 | 35656770.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FC040725AL

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

File ID : FC068506.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7148989.000  | 60.000  | 3.349  | 6.652  | 119149.817 | 113656.014 | -4.834 |
| Aliphatic C12-C16 | 4796745.000  | 40.000  | 6.653  | 10.053 | 119918.625 | 112966.617 | -6.154 |
| Aliphatic C16-C21 | 6987395.000  | 60.000  | 10.054 | 13.420 | 116456.583 | 110233.878 | -5.645 |
| Aliphatic C21-C28 | 8925778.000  | 80.000  | 13.421 | 17.087 | 111572.225 | 110346.279 | -1.111 |
| Aliphatic C28-C40 | 9592709.000  | 120.000 | 17.088 | 22.097 | 79939.242  | 81423.284  | 1.823  |
| Aliphatic EPH     | 37451616.000 | 360.000 | 3.349  | 22.097 | 104032.267 | 101529.318 | -2.465 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 07 Apr 2025 21:15 |
| Client Sample ID: |                       | Operator:          | YP/AJ             |
| Data file:        | FC068506.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 10                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.349  | 6.652  | 7148989.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.653  | 10.053 | 4796745.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.054 | 13.420 | 6987395.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.421 | 17.087 | 8925778.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.088 | 22.097 | 9592709.000  | 120.000 | ug/ml |
| Aliphatic EPH     | 3.349  | 22.097 | 37451616.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FC040825AL

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

File ID : FC068509.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7037737.000  | 60.000  | 3.349  | 6.653  | 117295.617 | 113656.014 | -3.202 |
| Aliphatic C12-C16 | 4773823.000  | 40.000  | 6.654  | 10.055 | 119345.575 | 112966.617 | -5.647 |
| Aliphatic C16-C21 | 7017670.000  | 60.000  | 10.056 | 13.422 | 116961.167 | 110233.878 | -6.103 |
| Aliphatic C21-C28 | 9090037.000  | 80.000  | 13.423 | 17.087 | 113625.463 | 110346.279 | -2.972 |
| Aliphatic C28-C40 | 9806940.000  | 120.000 | 17.088 | 22.094 | 81724.500  | 81423.284  | -0.370 |
| Aliphatic EPH     | 37726207.000 | 360.000 | 3.349  | 22.094 | 104795.019 | 101529.318 | -3.217 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 08 Apr 2025 08:52 |
| Client Sample ID: |                       | Operator:          | YP/AJ             |
| Data file:        | FC068509.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 10                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.349  | 6.653  | 7037737.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.654  | 10.055 | 4773823.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.056 | 13.422 | 7017670.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.423 | 17.087 | 9090037.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.088 | 22.094 | 9806940.000  | 120.000 | ug/ml |
| Aliphatic EPH     | 3.349  | 22.094 | 37726207.000 | 360.000 | ug/ml |

Continuing Calibration Report for SequenceID : FC040825AL

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

File ID : FC068512.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7222772.000  | 60.000  | 3.349  | 6.653  | 120379.533 | 113656.014 | -5.916 |
| Aliphatic C12-C16 | 4679529.000  | 40.000  | 6.654  | 10.055 | 116988.225 | 112966.617 | -3.560 |
| Aliphatic C16-C21 | 6686553.000  | 60.000  | 10.056 | 13.422 | 111442.550 | 110233.878 | -1.096 |
| Aliphatic C21-C28 | 8623503.000  | 80.000  | 13.423 | 17.087 | 107793.788 | 110346.279 | 2.313  |
| Aliphatic C28-C40 | 9762172.000  | 120.000 | 17.088 | 22.094 | 81351.433  | 81423.284  | 0.088  |
| Aliphatic EPH     | 36974529.000 | 360.000 | 3.349  | 22.094 | 102707.025 | 101529.318 | -1.160 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 08 Apr 2025 11:24 |
| Client Sample ID: |                       | Operator:          | YP/AJ             |
| Data file:        | FC068512.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 10                |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.349  | 6.653  | 7222772.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.654  | 10.055 | 4679529.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.056 | 13.422 | 6686553.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.423 | 17.087 | 8623503.000  | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.088 | 22.094 | 9762172.000  | 120.000 | ug/ml |
| Aliphatic EPH     | 3.349  | 22.094 | 36974529.000 | 360.000 | ug/ml |



# SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068504.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 18:45  
Operator : YP/AJ  
Sample : Q1736-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
GST1

Integration File: autoint1.e  
Quant Time: Apr 08 02:36:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 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)    | 11.725 | 3188741  | 24.728 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 49.46%     |
| 12) S 1-chlorooctadecane (S... | 13.159 | 2696785  | 29.316 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 58.63%     |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

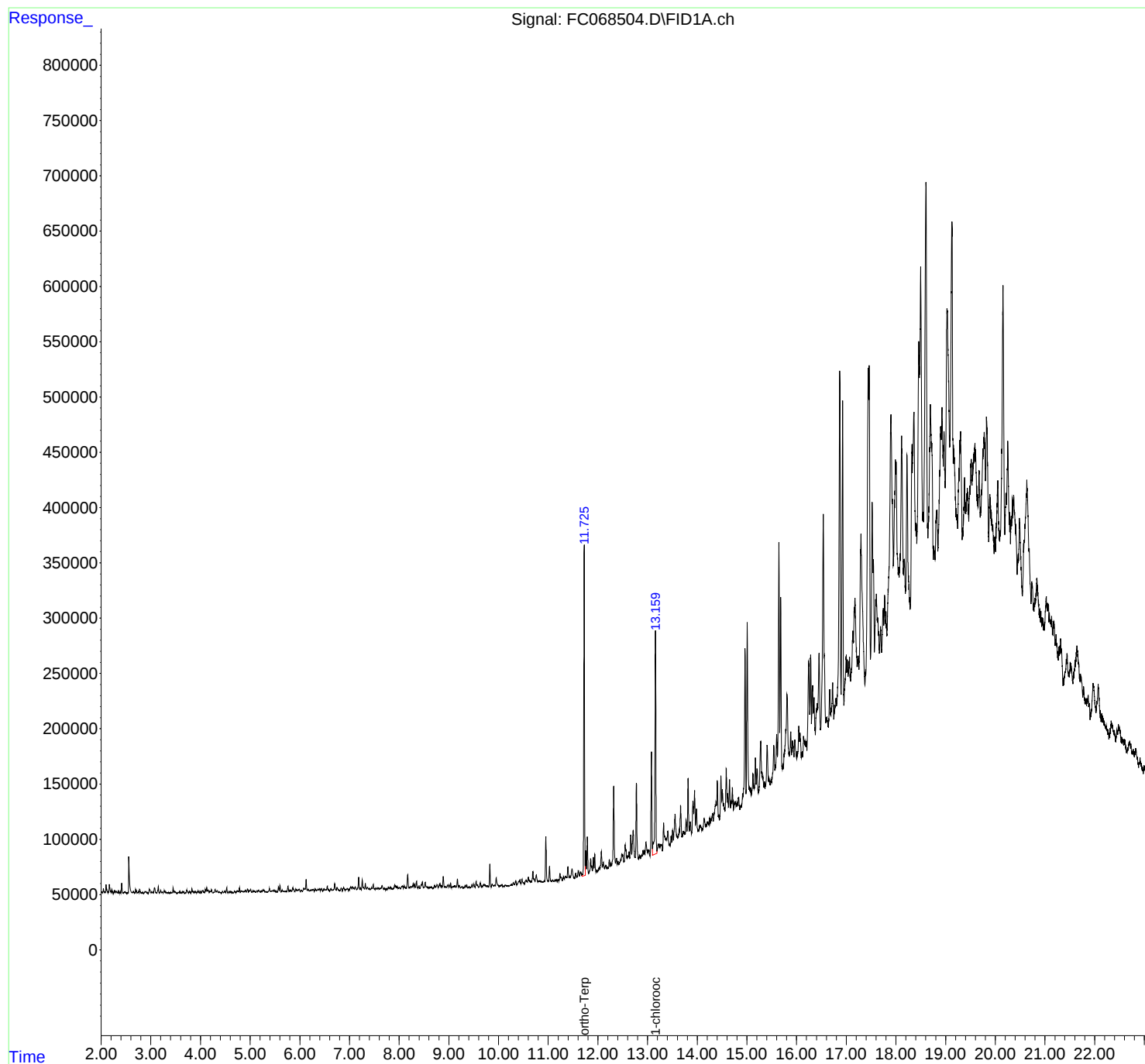
(m)=manual int.

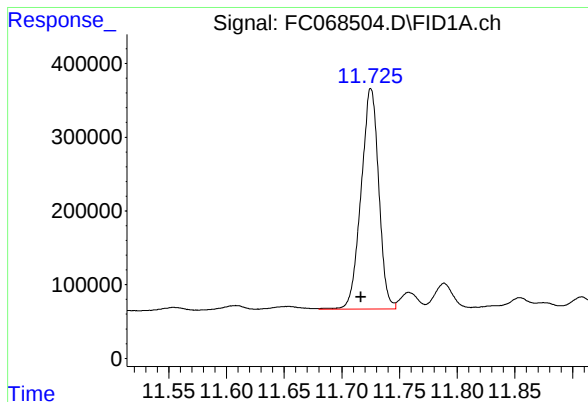
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068504.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 18:45  
Operator : YP/AJ  
Sample : Q1736-01  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
GST1

Integration File: autoint1.e  
Quant Time: Apr 08 02:36:50 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

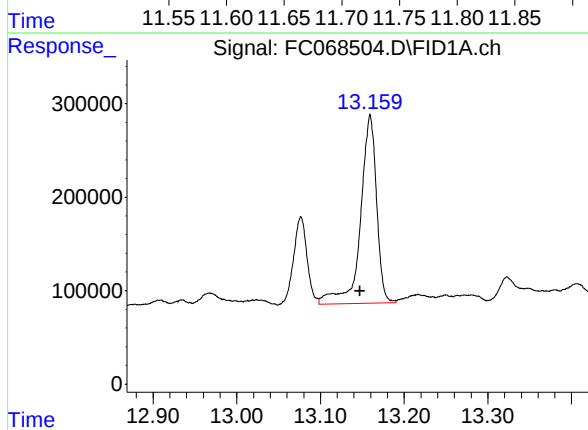




#9 ortho-Terphenyl (SURR)

R.T.: 11.725 min  
Delta R.T.: 0.009 min  
Response: 3188741  
Conc: 24.73 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
GST1



#12 1-chlorooctadecane (SURR)

R.T.: 13.159 min  
Delta R.T.: 0.012 min  
Response: 2696785  
Conc: 29.32 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068504.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 18:45  
 Sample : Q1736-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.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         | 2.352       | 2.304        | 2.371      | BV       | 1922           | 5613         | 0.02%          | 0.001%        |
| 2         | 2.385       | 2.371        | 2.396      | PV       | 1014           | 7389         | 0.03%          | 0.001%        |
| 3         | 2.414       | 2.396        | 2.441      | VV       | 8897           | 82084        | 0.28%          | 0.012%        |
| 4         | 2.482       | 2.441        | 2.514      | VV       | 1198           | 18763        | 0.06%          | 0.003%        |
| 5         | 2.559       | 2.514        | 2.634      | PV       | 31596          | 350015       | 1.21%          | 0.050%        |
| 6         | 2.646       | 2.634        | 2.672      | VV       | 1737           | 21988        | 0.08%          | 0.003%        |
| 7         | 2.695       | 2.672        | 2.706      | VV       | 3393           | 33376        | 0.11%          | 0.005%        |
| 8         | 2.710       | 2.706        | 2.728      | VV       | 2378           | 16982        | 0.06%          | 0.002%        |
| 9         | 2.750       | 2.728        | 2.761      | VV       | 1440           | 14813        | 0.05%          | 0.002%        |
| 10        | 2.777       | 2.761        | 2.864      | VV       | 3587           | 50674        | 0.17%          | 0.007%        |
| 11        | 2.883       | 2.864        | 2.893      | VV       | 1528           | 16312        | 0.06%          | 0.002%        |
| 12        | 2.903       | 2.893        | 2.954      | VV       | 1613           | 17996        | 0.06%          | 0.003%        |
| 13        | 2.970       | 2.954        | 3.002      | VV       | 3692           | 57102        | 0.20%          | 0.008%        |
| 14        | 3.018       | 3.002        | 3.028      | VV       | 881            | 11394        | 0.04%          | 0.002%        |
| 15        | 3.039       | 3.028        | 3.053      | VV       | 929            | 11537        | 0.04%          | 0.002%        |
| 16        | 3.075       | 3.053        | 3.120      | VV       | 4853           | 79912        | 0.28%          | 0.011%        |
| 17        | 3.151       | 3.120        | 3.174      | VV       | 6300           | 70512        | 0.24%          | 0.010%        |
| 18        | 3.200       | 3.174        | 3.220      | VV       | 2671           | 33454        | 0.12%          | 0.005%        |
| 19        | 3.234       | 3.220        | 3.251      | VV       | 1208           | 13564        | 0.05%          | 0.002%        |
| 20        | 3.272       | 3.251        | 3.287      | VV       | 2315           | 32155        | 0.11%          | 0.005%        |
| 21        | 3.298       | 3.287        | 3.315      | VV       | 1833           | 17706        | 0.06%          | 0.003%        |
| 22        | 3.329       | 3.315        | 3.369      | VV       | 706            | 16280        | 0.06%          | 0.002%        |
| 23        | 3.389       | 3.369        | 3.412      | VV       | 563            | 10177        | 0.04%          | 0.001%        |
| 24        | 3.449       | 3.412        | 3.463      | VV       | 4963           | 49752        | 0.17%          | 0.007%        |
| 25        | 3.474       | 3.463        | 3.532      | VV       | 2115           | 32786        | 0.11%          | 0.005%        |
| 26        | 3.554       | 3.532        | 3.567      | PV       | 939            | 9122         | 0.03%          | 0.001%        |
| 27        | 3.581       | 3.567        | 3.595      | VV       | 1294           | 14174        | 0.05%          | 0.002%        |
| 28        | 3.605       | 3.595        | 3.619      | VV       | 846            | 8801         | 0.03%          | 0.001%        |
| 29        | 3.653       | 3.619        | 3.686      | VV       | 1556           | 29617        | 0.10%          | 0.004%        |
| 30        | 3.727       | 3.686        | 3.757      | VV       | 2716           | 48010        | 0.17%          | 0.007%        |
| 31        | 3.780       | 3.757        | 3.801      | VV       | 1351           | 21760        | 0.07%          | 0.003%        |
| 32        | 3.828       | 3.801        | 3.850      | VV       | 4308           | 52522        | 0.18%          | 0.007%        |
| 33        | 3.863       | 3.850        | 3.877      | VV       | 1766           | 21353        | 0.07%          | 0.003%        |
| 34        | 3.900       | 3.877        | 3.917      | VV       | 1809           | 29326        | 0.10%          | 0.004%        |
| 35        | 3.926       | 3.917        | 3.936      | VV       | 837            | 7528         | 0.03%          | 0.001%        |
| 36        | 3.952       | 3.936        | 3.986      | VV       | 2428           | 33494        | 0.12%          | 0.005%        |

|    |       |       |       |    | rteres |        |       |        |
|----|-------|-------|-------|----|--------|--------|-------|--------|
| 37 | 4.003 | 3.986 | 4.017 | VV | 1254   | 11756  | 0.04% | 0.002% |
| 38 | 4.038 | 4.017 | 4.080 | VV | 2423   | 48575  | 0.17% | 0.007% |
| 39 | 4.098 | 4.080 | 4.111 | VV | 3533   | 36941  | 0.13% | 0.005% |
| 40 | 4.126 | 4.111 | 4.144 | VV | 5054   | 62225  | 0.21% | 0.009% |
| 41 | 4.154 | 4.144 | 4.177 | VV | 2923   | 37838  | 0.13% | 0.005% |
| 42 | 4.191 | 4.177 | 4.203 | VV | 1717   | 22136  | 0.08% | 0.003% |
| 43 | 4.222 | 4.203 | 4.247 | VV | 3221   | 43288  | 0.15% | 0.006% |
| 44 | 4.294 | 4.247 | 4.318 | VV | 3415   | 56269  | 0.19% | 0.008% |
| 45 | 4.335 | 4.318 | 4.363 | VV | 2276   | 37170  | 0.13% | 0.005% |
| 46 | 4.375 | 4.363 | 4.417 | VV | 955    | 18620  | 0.06% | 0.003% |
| 47 | 4.447 | 4.417 | 4.468 | PV | 1309   | 20483  | 0.07% | 0.003% |
| 48 | 4.489 | 4.468 | 4.508 | VV | 1628   | 24674  | 0.09% | 0.003% |
| 49 | 4.528 | 4.508 | 4.558 | VV | 4810   | 55980  | 0.19% | 0.008% |
| 50 | 4.575 | 4.558 | 4.589 | VV | 1658   | 17107  | 0.06% | 0.002% |
| 51 | 4.603 | 4.589 | 4.617 | VV | 1281   | 13610  | 0.05% | 0.002% |
| 52 | 4.633 | 4.617 | 4.663 | VV | 744    | 12820  | 0.04% | 0.002% |
| 53 | 4.685 | 4.663 | 4.716 | VV | 1465   | 25147  | 0.09% | 0.004% |
| 54 | 4.734 | 4.716 | 4.745 | VV | 1914   | 22801  | 0.08% | 0.003% |
| 55 | 4.753 | 4.745 | 4.771 | VV | 1477   | 19513  | 0.07% | 0.003% |
| 56 | 4.784 | 4.771 | 4.802 | VV | 4442   | 41680  | 0.14% | 0.006% |
| 57 | 4.818 | 4.802 | 4.828 | VV | 1842   | 18656  | 0.06% | 0.003% |
| 58 | 4.838 | 4.828 | 4.854 | VV | 1589   | 18891  | 0.07% | 0.003% |
| 59 | 4.865 | 4.854 | 4.876 | VV | 1469   | 13767  | 0.05% | 0.002% |
| 60 | 4.907 | 4.876 | 4.927 | VV | 2495   | 43217  | 0.15% | 0.006% |
| 61 | 4.947 | 4.927 | 4.967 | VV | 3382   | 47426  | 0.16% | 0.007% |
| 62 | 4.982 | 4.967 | 4.994 | VV | 1619   | 22579  | 0.08% | 0.003% |
| 63 | 5.011 | 4.994 | 5.031 | VV | 3039   | 38570  | 0.13% | 0.005% |
| 64 | 5.061 | 5.031 | 5.113 | VV | 1370   | 43154  | 0.15% | 0.006% |
| 65 | 5.141 | 5.113 | 5.155 | VV | 1900   | 24894  | 0.09% | 0.004% |
| 66 | 5.170 | 5.155 | 5.199 | VV | 2210   | 34603  | 0.12% | 0.005% |
| 67 | 5.229 | 5.199 | 5.241 | VV | 1579   | 24736  | 0.09% | 0.004% |
| 68 | 5.256 | 5.241 | 5.265 | VV | 2347   | 22650  | 0.08% | 0.003% |
| 69 | 5.275 | 5.265 | 5.320 | VV | 2275   | 35492  | 0.12% | 0.005% |
| 70 | 5.342 | 5.320 | 5.355 | PV | 515    | 6654   | 0.02% | 0.001% |
| 71 | 5.389 | 5.355 | 5.421 | VV | 3373   | 53517  | 0.18% | 0.008% |
| 72 | 5.437 | 5.421 | 5.450 | VV | 1128   | 15761  | 0.05% | 0.002% |
| 73 | 5.468 | 5.450 | 5.484 | VV | 2083   | 26670  | 0.09% | 0.004% |
| 74 | 5.499 | 5.484 | 5.551 | VV | 1190   | 23104  | 0.08% | 0.003% |
| 75 | 5.571 | 5.551 | 5.586 | VV | 4764   | 52795  | 0.18% | 0.007% |
| 76 | 5.601 | 5.586 | 5.626 | VV | 6145   | 68169  | 0.23% | 0.010% |
| 77 | 5.643 | 5.626 | 5.684 | VV | 1716   | 26776  | 0.09% | 0.004% |
| 78 | 5.729 | 5.684 | 5.737 | VV | 629    | 16304  | 0.06% | 0.002% |
| 79 | 5.762 | 5.737 | 5.781 | VV | 5172   | 62596  | 0.22% | 0.009% |
| 80 | 5.791 | 5.781 | 5.799 | VV | 1146   | 10536  | 0.04% | 0.001% |
| 81 | 5.815 | 5.799 | 5.835 | VV | 1435   | 23049  | 0.08% | 0.003% |
| 82 | 5.858 | 5.835 | 5.901 | VV | 3608   | 70461  | 0.24% | 0.010% |
| 83 | 5.919 | 5.901 | 5.934 | VV | 2340   | 29248  | 0.10% | 0.004% |
| 84 | 5.947 | 5.934 | 5.959 | VV | 1811   | 22671  | 0.08% | 0.003% |
| 85 | 5.987 | 5.959 | 6.011 | VV | 2151   | 44573  | 0.15% | 0.006% |
| 86 | 6.029 | 6.011 | 6.054 | PV | 1645   | 22245  | 0.08% | 0.003% |
| 87 | 6.080 | 6.054 | 6.094 | VV | 3329   | 47853  | 0.16% | 0.007% |
| 88 | 6.128 | 6.094 | 6.151 | VV | 11163  | 144680 | 0.50% | 0.020% |
| 89 | 6.172 | 6.151 | 6.190 | VV | 1909   | 29384  | 0.10% | 0.004% |

|     |       |       |       |    | rters |        |       |        |  |
|-----|-------|-------|-------|----|-------|--------|-------|--------|--|
| 90  | 6.232 | 6.190 | 6.247 | VV | 1926  | 39404  | 0.14% | 0.006% |  |
| 91  | 6.271 | 6.247 | 6.291 | VV | 1945  | 37037  | 0.13% | 0.005% |  |
| 92  | 6.317 | 6.291 | 6.333 | VV | 1771  | 32407  | 0.11% | 0.005% |  |
| 93  | 6.372 | 6.333 | 6.384 | VV | 1817  | 42242  | 0.15% | 0.006% |  |
| 94  | 6.400 | 6.384 | 6.418 | VV | 2649  | 35262  | 0.12% | 0.005% |  |
| 95  | 6.438 | 6.418 | 6.458 | VV | 2479  | 33574  | 0.12% | 0.005% |  |
| 96  | 6.487 | 6.458 | 6.505 | VV | 1914  | 35328  | 0.12% | 0.005% |  |
| 97  | 6.517 | 6.505 | 6.532 | VV | 1564  | 21115  | 0.07% | 0.003% |  |
| 98  | 6.553 | 6.532 | 6.569 | VV | 4696  | 55681  | 0.19% | 0.008% |  |
| 99  | 6.578 | 6.569 | 6.604 | VV | 1594  | 20031  | 0.07% | 0.003% |  |
| 100 | 6.625 | 6.604 | 6.641 | PV | 2255  | 26943  | 0.09% | 0.004% |  |
| 101 | 6.655 | 6.641 | 6.664 | VV | 1130  | 14896  | 0.05% | 0.002% |  |
| 102 | 6.703 | 6.664 | 6.725 | VV | 6820  | 97114  | 0.33% | 0.014% |  |
| 103 | 6.754 | 6.725 | 6.804 | VV | 3166  | 66716  | 0.23% | 0.009% |  |
| 104 | 6.832 | 6.804 | 6.856 | VV | 2479  | 38578  | 0.13% | 0.005% |  |
| 105 | 6.883 | 6.856 | 6.911 | VV | 2612  | 53560  | 0.18% | 0.008% |  |
| 106 | 6.959 | 6.911 | 6.981 | VV | 1922  | 53091  | 0.18% | 0.008% |  |
| 107 | 7.023 | 6.981 | 7.039 | VV | 2808  | 64393  | 0.22% | 0.009% |  |
| 108 | 7.056 | 7.039 | 7.076 | VV | 3370  | 60963  | 0.21% | 0.009% |  |
| 109 | 7.086 | 7.076 | 7.100 | VV | 2670  | 32217  | 0.11% | 0.005% |  |
| 110 | 7.117 | 7.100 | 7.145 | VV | 3375  | 56012  | 0.19% | 0.008% |  |
| 111 | 7.185 | 7.145 | 7.206 | VV | 11970 | 145760 | 0.50% | 0.021% |  |
| 112 | 7.219 | 7.206 | 7.238 | VV | 2151  | 30015  | 0.10% | 0.004% |  |
| 113 | 7.258 | 7.238 | 7.301 | VV | 9556  | 140243 | 0.48% | 0.020% |  |
| 114 | 7.320 | 7.301 | 7.339 | VV | 6057  | 69421  | 0.24% | 0.010% |  |
| 115 | 7.361 | 7.339 | 7.384 | VV | 2702  | 50476  | 0.17% | 0.007% |  |
| 116 | 7.394 | 7.384 | 7.424 | VV | 1354  | 24341  | 0.08% | 0.003% |  |
| 117 | 7.446 | 7.424 | 7.457 | VV | 2004  | 27637  | 0.10% | 0.004% |  |
| 118 | 7.479 | 7.457 | 7.516 | VV | 5196  | 81971  | 0.28% | 0.012% |  |
| 119 | 7.534 | 7.516 | 7.553 | VV | 1705  | 26852  | 0.09% | 0.004% |  |
| 120 | 7.574 | 7.553 | 7.592 | VV | 1744  | 33188  | 0.11% | 0.005% |  |
| 121 | 7.619 | 7.592 | 7.631 | VV | 1520  | 30658  | 0.11% | 0.004% |  |
| 122 | 7.656 | 7.631 | 7.694 | VV | 4055  | 85305  | 0.29% | 0.012% |  |
| 123 | 7.708 | 7.694 | 7.728 | VV | 1191  | 17448  | 0.06% | 0.002% |  |
| 124 | 7.746 | 7.728 | 7.758 | VV | 721   | 9381   | 0.03% | 0.001% |  |
| 125 | 7.782 | 7.758 | 7.801 | VV | 2531  | 40035  | 0.14% | 0.006% |  |
| 126 | 7.822 | 7.801 | 7.861 | VV | 2433  | 51416  | 0.18% | 0.007% |  |
| 127 | 7.910 | 7.861 | 7.949 | VV | 4199  | 114360 | 0.39% | 0.016% |  |
| 128 | 7.959 | 7.949 | 7.984 | VV | 2351  | 36579  | 0.13% | 0.005% |  |
| 129 | 8.002 | 7.984 | 8.021 | VV | 2135  | 31753  | 0.11% | 0.004% |  |
| 130 | 8.067 | 8.021 | 8.085 | VV | 3359  | 81649  | 0.28% | 0.012% |  |
| 131 | 8.102 | 8.085 | 8.145 | VV | 3337  | 66425  | 0.23% | 0.009% |  |
| 132 | 8.172 | 8.145 | 8.196 | VV | 13215 | 184879 | 0.64% | 0.026% |  |
| 133 | 8.205 | 8.196 | 8.218 | VV | 1664  | 19981  | 0.07% | 0.003% |  |
| 134 | 8.240 | 8.218 | 8.253 | VV | 2375  | 44664  | 0.15% | 0.006% |  |
| 135 | 8.284 | 8.253 | 8.299 | VV | 5405  | 88154  | 0.30% | 0.012% |  |
| 136 | 8.311 | 8.299 | 8.328 | VV | 4500  | 53406  | 0.18% | 0.008% |  |
| 137 | 8.350 | 8.328 | 8.379 | VV | 7219  | 100259 | 0.35% | 0.014% |  |
| 138 | 8.399 | 8.379 | 8.418 | VV | 2866  | 40519  | 0.14% | 0.006% |  |
| 139 | 8.468 | 8.418 | 8.490 | VV | 6492  | 138020 | 0.48% | 0.020% |  |
| 140 | 8.524 | 8.490 | 8.547 | VV | 5816  | 95887  | 0.33% | 0.014% |  |
| 141 | 8.557 | 8.547 | 8.592 | VV | 1807  | 38230  | 0.13% | 0.005% |  |

|     |        |        |        |    | rterres |        |       |        |
|-----|--------|--------|--------|----|---------|--------|-------|--------|
| 142 | 8.606  | 8.592  | 8.617  | VV | 1311    | 16455  | 0.06% | 0.002% |
| 143 | 8.631  | 8.617  | 8.669  | VV | 1537    | 36739  | 0.13% | 0.005% |
| 144 | 8.714  | 8.669  | 8.734  | VV | 2913    | 52495  | 0.18% | 0.007% |
| 145 | 8.763  | 8.734  | 8.788  | VV | 3588    | 72604  | 0.25% | 0.010% |
| 146 | 8.820  | 8.788  | 8.853  | VV | 4783    | 109279 | 0.38% | 0.015% |
| 147 | 8.889  | 8.853  | 8.950  | VV | 10864   | 191426 | 0.66% | 0.027% |
| 148 | 8.974  | 8.950  | 8.988  | VV | 3036    | 44419  | 0.15% | 0.006% |
| 149 | 9.003  | 8.988  | 9.021  | VV | 3322    | 46703  | 0.16% | 0.007% |
| 150 | 9.037  | 9.021  | 9.057  | VV | 4571    | 54224  | 0.19% | 0.008% |
| 151 | 9.126  | 9.057  | 9.142  | VV | 2411    | 74873  | 0.26% | 0.011% |
| 152 | 9.174  | 9.142  | 9.194  | VV | 8414    | 109920 | 0.38% | 0.016% |
| 153 | 9.213  | 9.194  | 9.237  | VV | 2629    | 37277  | 0.13% | 0.005% |
| 154 | 9.259  | 9.237  | 9.290  | VV | 1140    | 19320  | 0.07% | 0.003% |
| 155 | 9.329  | 9.290  | 9.345  | PV | 2314    | 31770  | 0.11% | 0.004% |
| 156 | 9.361  | 9.345  | 9.391  | VV | 2878    | 31397  | 0.11% | 0.004% |
| 157 | 9.411  | 9.391  | 9.426  | VV | 806     | 8085   | 0.03% | 0.001% |
| 158 | 9.466  | 9.426  | 9.484  | VV | 2702    | 37972  | 0.13% | 0.005% |
| 159 | 9.502  | 9.484  | 9.526  | VV | 2947    | 41470  | 0.14% | 0.006% |
| 160 | 9.550  | 9.526  | 9.603  | VV | 5617    | 94044  | 0.32% | 0.013% |
| 161 | 9.631  | 9.603  | 9.661  | VV | 4039    | 69632  | 0.24% | 0.010% |
| 162 | 9.671  | 9.661  | 9.681  | VV | 1000    | 9642   | 0.03% | 0.001% |
| 163 | 9.703  | 9.681  | 9.716  | VV | 2538    | 38144  | 0.13% | 0.005% |
| 164 | 9.728  | 9.716  | 9.744  | VV | 2482    | 31616  | 0.11% | 0.004% |
| 165 | 9.756  | 9.744  | 9.769  | VV | 1368    | 17409  | 0.06% | 0.002% |
| 166 | 9.780  | 9.769  | 9.800  | VV | 1117    | 15084  | 0.05% | 0.002% |
| 167 | 9.827  | 9.800  | 9.851  | VV | 20679   | 204978 | 0.71% | 0.029% |
| 168 | 9.872  | 9.851  | 9.904  | PV | 2700    | 45591  | 0.16% | 0.006% |
| 169 | 9.919  | 9.904  | 9.932  | VV | 1345    | 19103  | 0.07% | 0.003% |
| 170 | 9.955  | 9.932  | 10.011 | VV | 8102    | 140516 | 0.48% | 0.020% |
| 171 | 10.038 | 10.011 | 10.051 | VV | 1081    | 18686  | 0.06% | 0.003% |
| 172 | 10.064 | 10.051 | 10.091 | VV | 1339    | 21186  | 0.07% | 0.003% |
| 173 | 10.133 | 10.091 | 10.157 | PV | 1163    | 18939  | 0.07% | 0.003% |
| 174 | 10.170 | 10.157 | 10.188 | VV | 595     | 8235   | 0.03% | 0.001% |
| 175 | 10.205 | 10.188 | 10.216 | VV | 315     | 2994   | 0.01% | 0.000% |
| 176 | 10.251 | 10.216 | 10.276 | PV | 1256    | 27239  | 0.09% | 0.004% |
| 177 | 10.299 | 10.276 | 10.322 | VV | 2871    | 44766  | 0.15% | 0.006% |
| 178 | 10.345 | 10.322 | 10.368 | VV | 3833    | 58579  | 0.20% | 0.008% |
| 179 | 10.430 | 10.368 | 10.454 | VV | 4800    | 129700 | 0.45% | 0.018% |
| 180 | 10.474 | 10.454 | 10.521 | VV | 5087    | 91584  | 0.32% | 0.013% |
| 181 | 10.551 | 10.521 | 10.581 | VV | 3536    | 88348  | 0.30% | 0.013% |
| 182 | 10.601 | 10.581 | 10.637 | VV | 6341    | 123724 | 0.43% | 0.018% |
| 183 | 10.646 | 10.637 | 10.663 | VV | 2729    | 35485  | 0.12% | 0.005% |
| 184 | 10.692 | 10.663 | 10.735 | VV | 11083   | 213762 | 0.74% | 0.030% |
| 185 | 10.761 | 10.735 | 10.796 | VV | 7493    | 151321 | 0.52% | 0.021% |
| 186 | 10.819 | 10.796 | 10.839 | VV | 2038    | 42915  | 0.15% | 0.006% |
| 187 | 10.851 | 10.839 | 10.867 | VV | 1797    | 22245  | 0.08% | 0.003% |
| 188 | 10.878 | 10.867 | 10.904 | VV | 946     | 16353  | 0.06% | 0.002% |
| 189 | 10.919 | 10.904 | 10.929 | VV | 1621    | 17570  | 0.06% | 0.002% |
| 190 | 10.954 | 10.929 | 10.998 | VV | 40851   | 479254 | 1.65% | 0.068% |
| 191 | 11.028 | 10.998 | 11.068 | VV | 14261   | 171109 | 0.59% | 0.024% |
| 192 | 11.088 | 11.068 | 11.120 | VV | 1748    | 22924  | 0.08% | 0.003% |
| 193 | 11.145 | 11.120 | 11.160 | VV | 1306    | 17390  | 0.06% | 0.002% |
| 194 | 11.174 | 11.160 | 11.188 | VV | 1464    | 13293  | 0.05% | 0.002% |

|     |        |        |        |    | rteres |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 195 | 11.202 | 11.188 | 11.221 | VV | 1090   | 13155   | 0.05%  | 0.002% |
| 196 | 11.238 | 11.221 | 11.283 | VV | 6421   | 107540  | 0.37%  | 0.015% |
| 197 | 11.310 | 11.283 | 11.327 | PV | 2987   | 47678   | 0.16%  | 0.007% |
| 198 | 11.347 | 11.327 | 11.375 | VV | 3577   | 72016   | 0.25%  | 0.010% |
| 199 | 11.398 | 11.375 | 11.419 | VV | 11820  | 153025  | 0.53%  | 0.022% |
| 200 | 11.480 | 11.419 | 11.524 | VV | 8895   | 220605  | 0.76%  | 0.031% |
| 201 | 11.555 | 11.524 | 11.574 | PV | 4364   | 55937   | 0.19%  | 0.008% |
| 202 | 11.608 | 11.574 | 11.626 | VV | 6063   | 84568   | 0.29%  | 0.012% |
| 203 | 11.653 | 11.626 | 11.678 | VV | 4331   | 77990   | 0.27%  | 0.011% |
| 204 | 11.725 | 11.678 | 11.747 | VV | 300208 | 3188290 | 10.99% | 0.451% |
| 205 | 11.758 | 11.747 | 11.772 | VV | 22193  | 227023  | 0.78%  | 0.032% |
| 206 | 11.789 | 11.772 | 11.814 | VV | 33822  | 370613  | 1.28%  | 0.052% |
| 207 | 11.854 | 11.814 | 11.890 | VV | 13671  | 255698  | 0.88%  | 0.036% |
| 208 | 11.908 | 11.890 | 11.922 | VV | 14114  | 154010  | 0.53%  | 0.022% |
| 209 | 11.938 | 11.922 | 11.963 | VV | 16610  | 191142  | 0.66%  | 0.027% |
| 210 | 11.977 | 11.963 | 11.994 | VV | 1612   | 15475   | 0.05%  | 0.002% |
| 211 | 12.026 | 11.994 | 12.038 | PV | 3659   | 56133   | 0.19%  | 0.008% |
| 212 | 12.069 | 12.038 | 12.091 | VV | 17627  | 256912  | 0.89%  | 0.036% |
| 213 | 12.111 | 12.091 | 12.134 | VV | 6968   | 106567  | 0.37%  | 0.015% |
| 214 | 12.158 | 12.134 | 12.179 | VV | 3846   | 61736   | 0.21%  | 0.009% |
| 215 | 12.194 | 12.179 | 12.209 | VV | 1379   | 16889   | 0.06%  | 0.002% |
| 216 | 12.230 | 12.209 | 12.248 | VV | 7817   | 88652   | 0.31%  | 0.013% |
| 217 | 12.261 | 12.248 | 12.273 | VV | 4631   | 43204   | 0.15%  | 0.006% |
| 218 | 12.319 | 12.273 | 12.356 | VV | 73213  | 1067111 | 3.68%  | 0.151% |
| 219 | 12.374 | 12.356 | 12.392 | VV | 7343   | 103873  | 0.36%  | 0.015% |
| 220 | 12.406 | 12.392 | 12.421 | VV | 3987   | 46233   | 0.16%  | 0.007% |
| 221 | 12.482 | 12.421 | 12.524 | VV | 9307   | 300704  | 1.04%  | 0.043% |
| 222 | 12.549 | 12.524 | 12.582 | VV | 16780  | 319616  | 1.10%  | 0.045% |
| 223 | 12.627 | 12.582 | 12.641 | VV | 9416   | 212469  | 0.73%  | 0.030% |
| 224 | 12.661 | 12.641 | 12.679 | VV | 24264  | 312784  | 1.08%  | 0.044% |
| 225 | 12.710 | 12.679 | 12.749 | VV | 27762  | 615666  | 2.12%  | 0.087% |
| 226 | 12.776 | 12.749 | 12.817 | VV | 67958  | 871481  | 3.00%  | 0.123% |
| 227 | 12.844 | 12.817 | 12.861 | VV | 2588   | 51671   | 0.18%  | 0.007% |
| 228 | 12.908 | 12.861 | 12.921 | VV | 6889   | 128018  | 0.44%  | 0.018% |
| 229 | 12.934 | 12.921 | 12.946 | VV | 6851   | 74648   | 0.26%  | 0.011% |
| 230 | 12.968 | 12.946 | 13.006 | VV | 13659  | 277684  | 0.96%  | 0.039% |
| 231 | 13.024 | 13.006 | 13.048 | VV | 5757   | 99284   | 0.34%  | 0.014% |
| 232 | 13.077 | 13.048 | 13.098 | VV | 93851  | 1054659 | 3.63%  | 0.149% |
| 233 | 13.159 | 13.098 | 13.188 | VV | 197479 | 2709072 | 9.33%  | 0.384% |
| 234 | 13.217 | 13.188 | 13.237 | VV | 8681   | 181466  | 0.63%  | 0.026% |
| 235 | 13.249 | 13.237 | 13.300 | VV | 7965   | 233195  | 0.80%  | 0.033% |
| 236 | 13.323 | 13.300 | 13.370 | VV | 25662  | 569504  | 1.96%  | 0.081% |
| 237 | 13.407 | 13.370 | 13.450 | VV | 17730  | 491507  | 1.69%  | 0.070% |
| 238 | 13.472 | 13.450 | 13.485 | VV | 11940  | 164238  | 0.57%  | 0.023% |
| 239 | 13.503 | 13.485 | 13.519 | VV | 16139  | 250293  | 0.86%  | 0.035% |
| 240 | 13.552 | 13.519 | 13.592 | VV | 31264  | 784564  | 2.70%  | 0.111% |
| 241 | 13.603 | 13.592 | 13.614 | VV | 10449  | 133125  | 0.46%  | 0.019% |
| 242 | 13.665 | 13.614 | 13.691 | VV | 37494  | 844832  | 2.91%  | 0.120% |
| 243 | 13.722 | 13.691 | 13.735 | VV | 13204  | 295972  | 1.02%  | 0.042% |
| 244 | 13.744 | 13.735 | 13.754 | VV | 11982  | 129417  | 0.45%  | 0.018% |
| 245 | 13.775 | 13.754 | 13.792 | VV | 22659  | 382687  | 1.32%  | 0.054% |
| 246 | 13.815 | 13.792 | 13.837 | VV | 60024  | 833334  | 2.87%  | 0.118% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 13.859 | 13.837 | 13.884 | VV | 19807  | 410438  | 1.41%  | 0.058% |
| 248    | 13.914 | 13.884 | 13.928 | VV | 37368  | 650685  | 2.24%  | 0.092% |
| 249    | 13.945 | 13.928 | 13.964 | VV | 46905  | 706817  | 2.44%  | 0.100% |
| 250    | 13.984 | 13.964 | 14.021 | VV | 29917  | 605084  | 2.08%  | 0.086% |
| 251    | 14.057 | 14.021 | 14.105 | VV | 14287  | 583175  | 2.01%  | 0.083% |
| 252    | 14.137 | 14.105 | 14.170 | VV | 18519  | 556584  | 1.92%  | 0.079% |
| 253    | 14.182 | 14.170 | 14.187 | VV | 13086  | 126108  | 0.43%  | 0.018% |
| 254    | 14.209 | 14.187 | 14.234 | VV | 14950  | 391585  | 1.35%  | 0.055% |
| 255    | 14.249 | 14.234 | 14.262 | VV | 18002  | 267314  | 0.92%  | 0.038% |
| 256    | 14.304 | 14.262 | 14.322 | VV | 21158  | 611368  | 2.11%  | 0.087% |
| 257    | 14.402 | 14.322 | 14.447 | VV | 49171  | 1910825 | 6.58%  | 0.271% |
| 258    | 14.475 | 14.447 | 14.493 | VV | 52186  | 921909  | 3.18%  | 0.131% |
| 259    | 14.505 | 14.493 | 14.522 | VV | 40634  | 591713  | 2.04%  | 0.084% |
| 260    | 14.531 | 14.522 | 14.556 | VV | 27692  | 483892  | 1.67%  | 0.069% |
| 261    | 14.584 | 14.556 | 14.601 | VV | 58462  | 1027296 | 3.54%  | 0.145% |
| 262    | 14.610 | 14.601 | 14.628 | VV | 34257  | 488703  | 1.68%  | 0.069% |
| 263    | 14.648 | 14.628 | 14.668 | VV | 47573  | 806303  | 2.78%  | 0.114% |
| 264    | 14.707 | 14.668 | 14.729 | VV | 39435  | 1024572 | 3.53%  | 0.145% |
| 265    | 14.771 | 14.729 | 14.792 | VV | 25959  | 875389  | 3.02%  | 0.124% |
| 266    | 14.833 | 14.792 | 14.858 | VV | 28475  | 939223  | 3.24%  | 0.133% |
| 267    | 14.961 | 14.858 | 14.982 | VV | 161486 | 3542982 | 12.21% | 0.502% |
| 268    | 15.004 | 14.982 | 15.058 | VV | 184239 | 3375080 | 11.63% | 0.478% |
| 269    | 15.073 | 15.058 | 15.085 | VV | 34283  | 534210  | 1.84%  | 0.076% |
| 270    | 15.120 | 15.085 | 15.151 | VV | 46612  | 1404478 | 4.84%  | 0.199% |
| 271    | 15.169 | 15.151 | 15.186 | VV | 58734  | 952787  | 3.28%  | 0.135% |
| 272    | 15.204 | 15.186 | 15.231 | VV | 49443  | 1081853 | 3.73%  | 0.153% |
| 273    | 15.276 | 15.231 | 15.340 | VV | 73109  | 2983814 | 10.28% | 0.423% |
| 274    | 15.352 | 15.340 | 15.374 | VV | 35575  | 661736  | 2.28%  | 0.094% |
| 275    | 15.406 | 15.374 | 15.467 | VV | 68197  | 2407372 | 8.29%  | 0.341% |
| 276    | 15.541 | 15.467 | 15.565 | VV | 65400  | 2572485 | 8.86%  | 0.364% |
| 277    | 15.598 | 15.565 | 15.615 | VV | 75084  | 1751202 | 6.03%  | 0.248% |
| 278    | 15.643 | 15.615 | 15.661 | VV | 247538 | 3892243 | 13.41% | 0.551% |
| 279    | 15.678 | 15.661 | 15.723 | VV | 197518 | 3435249 | 11.84% | 0.486% |
| 280    | 15.808 | 15.723 | 15.853 | VV | 108044 | 5367635 | 18.49% | 0.760% |
| 281    | 15.879 | 15.853 | 15.898 | VV | 73876  | 1631421 | 5.62%  | 0.231% |
| 282    | 15.921 | 15.898 | 15.944 | VV | 63142  | 1634774 | 5.63%  | 0.231% |
| 283    | 15.962 | 15.944 | 16.000 | VV | 64206  | 1910076 | 6.58%  | 0.270% |
| 284    | 16.044 | 16.000 | 16.058 | VV | 75985  | 2068730 | 7.13%  | 0.293% |
| 285    | 16.068 | 16.058 | 16.098 | VV | 70101  | 1436384 | 4.95%  | 0.203% |
| 286    | 16.110 | 16.098 | 16.119 | VV | 52583  | 653412  | 2.25%  | 0.093% |
| 287    | 16.143 | 16.119 | 16.162 | VV | 65030  | 1499910 | 5.17%  | 0.212% |
| 288    | 16.174 | 16.162 | 16.207 | VV | 61068  | 1571598 | 5.41%  | 0.223% |
| 289    | 16.242 | 16.207 | 16.264 | VV | 131742 | 3335048 | 11.49% | 0.472% |
| 290    | 16.282 | 16.264 | 16.300 | VV | 136913 | 2328799 | 8.02%  | 0.330% |
| 291    | 16.317 | 16.300 | 16.334 | VV | 106972 | 1993482 | 6.87%  | 0.282% |
| 292    | 16.349 | 16.334 | 16.375 | VV | 98029  | 2033566 | 7.01%  | 0.288% |
| 293    | 16.414 | 16.375 | 16.424 | VV | 92394  | 2480094 | 8.55%  | 0.351% |
| 294    | 16.450 | 16.424 | 16.483 | VV | 136720 | 3529283 | 12.16% | 0.500% |
| 295    | 16.535 | 16.483 | 16.596 | VV | 260593 | 8739354 | 30.11% | 1.238% |
| 296    | 16.610 | 16.596 | 16.637 | VV | 77412  | 1827135 | 6.30%  | 0.259% |
| 297    | 16.665 | 16.637 | 16.688 | VV | 100645 | 2567868 | 8.85%  | 0.364% |
| 298    | 16.723 | 16.688 | 16.748 | VV | 106593 | 3170272 | 10.92% | 0.449% |
| 299    | 16.792 | 16.748 | 16.804 | VV | 90078  | 2880356 | 9.92%  | 0.408% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 300    | 16.868 | 16.804 | 16.894 | VV | 383727 | 9657233  | 33.27%  | 1.368% |
| 301    | 16.925 | 16.894 | 16.952 | VV | 355454 | 6797696  | 23.42%  | 0.963% |
| 302    | 16.997 | 16.952 | 17.014 | VV | 124416 | 4078937  | 14.05%  | 0.578% |
| 303    | 17.022 | 17.014 | 17.036 | VV | 123316 | 1544202  | 5.32%   | 0.219% |
| 304    | 17.064 | 17.036 | 17.085 | VV | 123261 | 3306305  | 11.39%  | 0.468% |
| 305    | 17.133 | 17.085 | 17.142 | VV | 148323 | 4291567  | 14.79%  | 0.608% |
| 306    | 17.175 | 17.142 | 17.218 | VV | 174167 | 6809121  | 23.46%  | 0.964% |
| 307    | 17.235 | 17.218 | 17.254 | VV | 122605 | 2546611  | 8.77%   | 0.361% |
| 308    | 17.294 | 17.254 | 17.374 | VV | 231269 | 11553367 | 39.81%  | 1.636% |
| 309    | 17.441 | 17.374 | 17.451 | VV | 374376 | 9814645  | 33.82%  | 1.390% |
| 310    | 17.460 | 17.451 | 17.487 | VV | 384533 | 5666140  | 19.52%  | 0.802% |
| 311    | 17.521 | 17.487 | 17.568 | VV | 257070 | 8907550  | 30.69%  | 1.261% |
| 312    | 17.604 | 17.568 | 17.667 | VV | 174259 | 8955429  | 30.86%  | 1.268% |
| 313    | 17.690 | 17.667 | 17.711 | VV | 143231 | 3496011  | 12.05%  | 0.495% |
| 314    | 17.743 | 17.711 | 17.756 | VV | 160238 | 3917446  | 13.50%  | 0.555% |
| 315    | 17.772 | 17.756 | 17.816 | VV | 170564 | 5478206  | 18.88%  | 0.776% |
| 316    | 17.896 | 17.816 | 17.948 | VV | 331433 | 18233559 | 62.82%  | 2.582% |
| 317    | 17.989 | 17.948 | 18.063 | VV | 290311 | 16083005 | 55.41%  | 2.277% |
| 318    | 18.112 | 18.063 | 18.154 | VV | 307424 | 12644809 | 43.57%  | 1.791% |
| 319    | 18.169 | 18.154 | 18.189 | VV | 198029 | 3956459  | 13.63%  | 0.560% |
| 320    | 18.222 | 18.189 | 18.287 | VV | 291782 | 11827382 | 40.75%  | 1.675% |
| 321    | 18.321 | 18.287 | 18.331 | VV | 299401 | 6141254  | 21.16%  | 0.870% |
| 322    | 18.360 | 18.331 | 18.421 | VV | 330194 | 14293695 | 49.25%  | 2.024% |
| 323    | 18.458 | 18.421 | 18.474 | VV | 387603 | 9852016  | 33.95%  | 1.395% |
| 324    | 18.496 | 18.474 | 18.538 | VV | 454156 | 13485171 | 46.46%  | 1.910% |
| 325    | 18.603 | 18.538 | 18.643 | VV | 533605 | 20944769 | 72.17%  | 2.966% |
| 326    | 18.694 | 18.643 | 18.754 | VV | 329976 | 17788466 | 61.29%  | 2.519% |
| 327    | 18.766 | 18.754 | 18.788 | VV | 201197 | 3912947  | 13.48%  | 0.554% |
| 328    | 18.816 | 18.788 | 18.845 | VV | 233364 | 7479863  | 25.77%  | 1.059% |
| 329    | 18.925 | 18.845 | 18.950 | VV | 322968 | 17372169 | 59.86%  | 2.460% |
| 330    | 18.968 | 18.950 | 18.994 | VV | 303353 | 7393186  | 25.47%  | 1.047% |
| 331    | 19.032 | 18.994 | 19.081 | VV | 410742 | 18109700 | 62.40%  | 2.564% |
| 332    | 19.125 | 19.081 | 19.240 | VV | 487560 | 29023100 | 100.00% | 4.110% |
| 333    | 19.300 | 19.240 | 19.347 | VV | 297758 | 16107289 | 55.50%  | 2.281% |
| 334    | 19.379 | 19.347 | 19.408 | VV | 254031 | 8438936  | 29.08%  | 1.195% |
| 335    | 19.437 | 19.408 | 19.465 | VV | 245137 | 7962561  | 27.44%  | 1.128% |
| 336    | 19.513 | 19.465 | 19.531 | VV | 266552 | 9882874  | 34.05%  | 1.400% |
| 337    | 19.586 | 19.531 | 19.654 | VV | 283253 | 19084540 | 65.76%  | 2.703% |
| 338    | 19.673 | 19.654 | 19.696 | VV | 258709 | 6022060  | 20.75%  | 0.853% |
| 339    | 19.775 | 19.696 | 19.802 | VV | 288772 | 16387448 | 56.46%  | 2.321% |
| 340    | 19.826 | 19.802 | 19.867 | VV | 300586 | 10078131 | 34.72%  | 1.427% |
| 341    | 19.888 | 19.867 | 19.975 | VV | 231275 | 13684448 | 47.15%  | 1.938% |
| 342    | 19.988 | 19.975 | 20.004 | VV | 191864 | 3285495  | 11.32%  | 0.465% |
| 343    | 20.048 | 20.004 | 20.102 | VV | 240643 | 12224066 | 42.12%  | 1.731% |
| 344    | 20.154 | 20.102 | 20.191 | VV | 416141 | 15145855 | 52.19%  | 2.145% |
| 345    | 20.251 | 20.191 | 20.305 | VV | 274125 | 15308006 | 52.74%  | 2.168% |
| 346    | 20.371 | 20.305 | 20.439 | VV | 225762 | 16391057 | 56.48%  | 2.321% |
| 347    | 20.489 | 20.439 | 20.544 | VV | 200378 | 10676142 | 36.78%  | 1.512% |
| 348    | 20.635 | 20.544 | 20.720 | VV | 236532 | 19216955 | 66.21%  | 2.721% |
| 349    | 20.742 | 20.720 | 20.777 | VV | 141377 | 4478338  | 15.43%  | 0.634% |
| 350    | 20.836 | 20.777 | 20.931 | VV | 145316 | 11300084 | 38.93%  | 1.600% |
| 351    | 20.940 | 20.931 | 20.988 | VV | 107244 | 3516776  | 12.12%  | 0.498% |

|     |        |        |        |    | rt     | ter      |        |        |
|-----|--------|--------|--------|----|--------|----------|--------|--------|
| 352 | 21.024 | 20.988 | 21.162 | VV | 124158 | 11305713 | 38.95% | 1.601% |
| 353 | 21.182 | 21.162 | 21.206 | VV | 101553 | 2516103  | 8.67%  | 0.356% |
| 354 | 21.222 | 21.206 | 21.263 | VV | 87195  | 2686643  | 9.26%  | 0.380% |
| 355 | 21.315 | 21.263 | 21.362 | VV | 83862  | 4125350  | 14.21% | 0.584% |
| 356 | 21.371 | 21.362 | 21.380 | VV | 46800  | 485336   | 1.67%  | 0.069% |
| 357 | 21.443 | 21.380 | 21.488 | VV | 67686  | 3538685  | 12.19% | 0.501% |
| 358 | 21.519 | 21.488 | 21.561 | VV | 59050  | 2293252  | 7.90%  | 0.325% |
| 359 | 21.643 | 21.561 | 21.717 | VV | 73331  | 5198319  | 17.91% | 0.736% |
| 360 | 21.730 | 21.717 | 21.815 | VV | 43625  | 1852072  | 6.38%  | 0.262% |
| 361 | 21.824 | 21.815 | 21.834 | VV | 22098  | 237449   | 0.82%  | 0.034% |
| 362 | 21.868 | 21.834 | 21.881 | VV | 25469  | 588218   | 2.03%  | 0.083% |
| 363 | 21.890 | 21.881 | 21.908 | VV | 17889  | 215984   | 0.74%  | 0.031% |
| 364 | 21.969 | 21.908 | 22.029 | VV | 33712  | 1377468  | 4.75%  | 0.195% |
| 365 | 22.071 | 22.029 | 22.129 | VV | 31984  | 942328   | 3.25%  | 0.133% |

Sum of corrected areas: 706171261

Aliphatic EPH 040225.M Tue Apr 08 03:26:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040825AL\  
Data File : FC068510.D  
Signal(s) : FID1A.ch  
Acq On : 08 Apr 2025 09:30  
Operator : YP/AJ  
Sample : Q1736-01DL 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
GST1DL

Integration File: autoint1.e  
Quant Time: Apr 09 04:12:53 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 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)    | 11.722 | 1595521    | 12.373 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 24.75%       |
| 12) S 1-chlorooctadecane (S... | 13.156 | 1366124    | 14.851 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 29.70%       |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

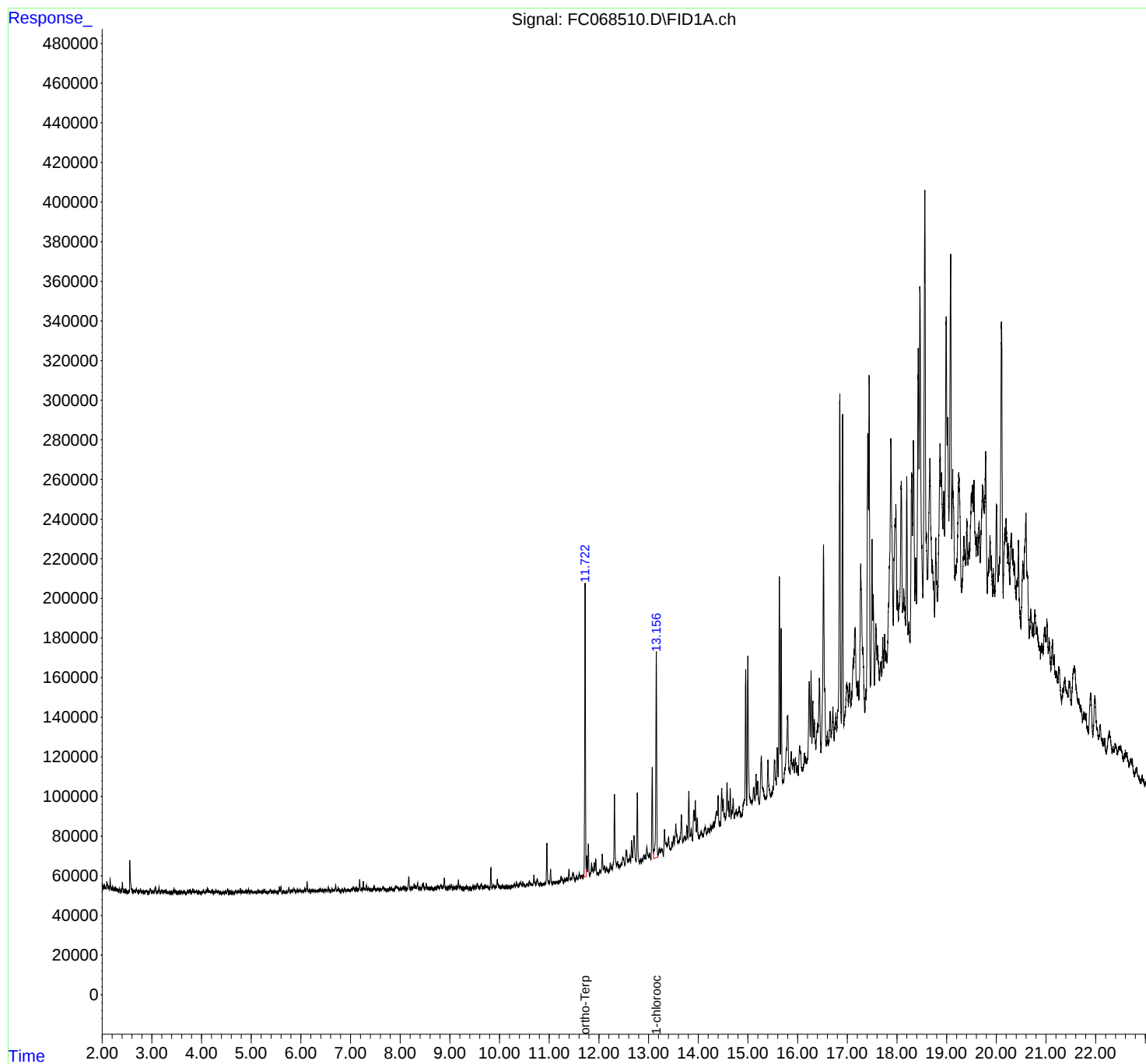
(m)=manual int.

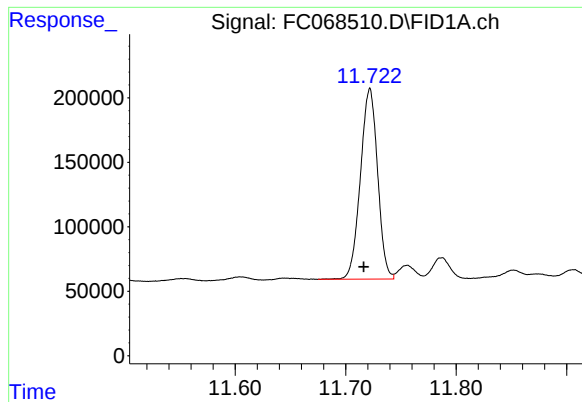
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040825AL\  
Data File : FC068510.D  
Signal(s) : FID1A.ch  
Acq On : 08 Apr 2025 09:30  
Operator : YP/AJ  
Sample : Q1736-01DL 2X  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
GST1DL

Integration File: autoint1.e  
Quant Time: Apr 09 04:12:53 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

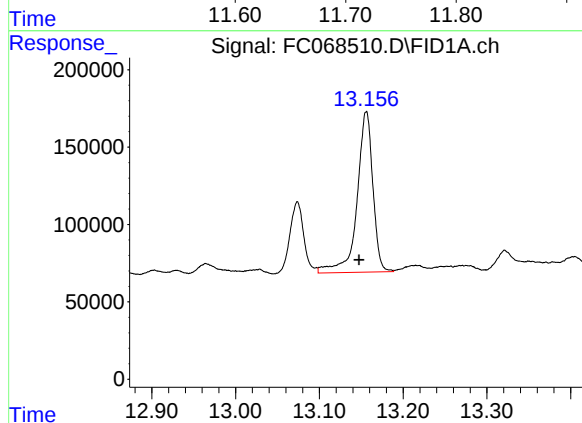




#9 ortho-Terphenyl (SURR)

R.T.: 11.722 min  
Delta R.T.: 0.005 min  
Response: 1595521  
Conc: 12.37 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
GST1DL



#12 1-chlorooctadecane (SURR)

R.T.: 13.156 min  
Delta R.T.: 0.009 min  
Response: 1366124  
Conc: 14.85 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040825AL\  
 Data File : FC068510.D  
 Signal(s) : FID1A.ch  
 Acq On : 08 Apr 2025 09:30  
 Sample : Q1736-01DL 2X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.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         | 2.345       | 2.304        | 2.364      | BV       | 974            | 3472         | 0.03%          | 0.001%        |
| 2         | 2.378       | 2.364        | 2.389      | PV       | 558            | 4511         | 0.04%          | 0.001%        |
| 3         | 2.407       | 2.389        | 2.447      | VV       | 4541           | 41684        | 0.38%          | 0.011%        |
| 4         | 2.475       | 2.447        | 2.503      | VV       | 550            | 8372         | 0.08%          | 0.002%        |
| 5         | 2.515       | 2.503        | 2.522      | PV       | 90             | 416          | 0.00%          | 0.000%        |
| 6         | 2.558       | 2.522        | 2.626      | VV       | 14082          | 175360       | 1.61%          | 0.047%        |
| 7         | 2.640       | 2.626        | 2.669      | VV       | 904            | 13271        | 0.12%          | 0.004%        |
| 8         | 2.689       | 2.669        | 2.699      | VV       | 1636           | 16481        | 0.15%          | 0.004%        |
| 9         | 2.704       | 2.699        | 2.723      | VV       | 1182           | 8495         | 0.08%          | 0.002%        |
| 10        | 2.744       | 2.723        | 2.755      | VV       | 703            | 6332         | 0.06%          | 0.002%        |
| 11        | 2.771       | 2.755        | 2.854      | VV       | 1801           | 24534        | 0.23%          | 0.007%        |
| 12        | 2.896       | 2.854        | 2.931      | VV       | 836            | 17320        | 0.16%          | 0.005%        |
| 13        | 2.964       | 2.931        | 2.996      | PV       | 1831           | 28409        | 0.26%          | 0.008%        |
| 14        | 3.013       | 2.996        | 3.023      | VV       | 439            | 6059         | 0.06%          | 0.002%        |
| 15        | 3.034       | 3.023        | 3.051      | VV       | 518            | 6561         | 0.06%          | 0.002%        |
| 16        | 3.069       | 3.051        | 3.118      | VV       | 2494           | 40058        | 0.37%          | 0.011%        |
| 17        | 3.145       | 3.118        | 3.166      | VV       | 3036           | 35260        | 0.32%          | 0.009%        |
| 18        | 3.194       | 3.166        | 3.216      | VV       | 1361           | 18961        | 0.17%          | 0.005%        |
| 19        | 3.230       | 3.216        | 3.244      | VV       | 675            | 7583         | 0.07%          | 0.002%        |
| 20        | 3.267       | 3.244        | 3.282      | VV       | 1136           | 16080        | 0.15%          | 0.004%        |
| 21        | 3.292       | 3.282        | 3.310      | VV       | 938            | 8910         | 0.08%          | 0.002%        |
| 22        | 3.337       | 3.310        | 3.362      | VV       | 444            | 8902         | 0.08%          | 0.002%        |
| 23        | 3.384       | 3.362        | 3.409      | VV       | 339            | 5844         | 0.05%          | 0.002%        |
| 24        | 3.445       | 3.409        | 3.459      | VV       | 2482           | 24575        | 0.23%          | 0.007%        |
| 25        | 3.469       | 3.459        | 3.525      | VV       | 1097           | 16092        | 0.15%          | 0.004%        |
| 26        | 3.549       | 3.525        | 3.561      | PV       | 492            | 5144         | 0.05%          | 0.001%        |
| 27        | 3.576       | 3.561        | 3.588      | VV       | 661            | 6897         | 0.06%          | 0.002%        |
| 28        | 3.600       | 3.588        | 3.615      | VV       | 583            | 5419         | 0.05%          | 0.001%        |
| 29        | 3.648       | 3.615        | 3.684      | VV       | 718            | 15043        | 0.14%          | 0.004%        |
| 30        | 3.723       | 3.684        | 3.743      | VV       | 1284           | 21723        | 0.20%          | 0.006%        |
| 31        | 3.755       | 3.743        | 3.796      | VV       | 1156           | 23904        | 0.22%          | 0.006%        |
| 32        | 3.824       | 3.796        | 3.848      | VV       | 2156           | 27277        | 0.25%          | 0.007%        |
| 33        | 3.860       | 3.848        | 3.874      | VV       | 968            | 11256        | 0.10%          | 0.003%        |
| 34        | 3.896       | 3.874        | 3.912      | VV       | 930            | 15132        | 0.14%          | 0.004%        |
| 35        | 3.922       | 3.912        | 3.933      | VV       | 502            | 4685         | 0.04%          | 0.001%        |
| 36        | 3.948       | 3.933        | 3.983      | VV       | 1162           | 16527        | 0.15%          | 0.004%        |

|    |       |       |       |    | rterres |       |       |        |
|----|-------|-------|-------|----|---------|-------|-------|--------|
| 37 | 3.999 | 3.983 | 4.011 | VV | 628     | 5424  | 0.05% | 0.001% |
| 38 | 4.033 | 4.011 | 4.079 | VV | 1178    | 25901 | 0.24% | 0.007% |
| 39 | 4.096 | 4.079 | 4.108 | VV | 1766    | 17765 | 0.16% | 0.005% |
| 40 | 4.123 | 4.108 | 4.138 | VV | 2441    | 27308 | 0.25% | 0.007% |
| 41 | 4.151 | 4.138 | 4.173 | VV | 1337    | 18028 | 0.17% | 0.005% |
| 42 | 4.188 | 4.173 | 4.200 | VV | 842     | 11386 | 0.10% | 0.003% |
| 43 | 4.219 | 4.200 | 4.244 | VV | 1578    | 20504 | 0.19% | 0.005% |
| 44 | 4.291 | 4.244 | 4.314 | VV | 1668    | 26800 | 0.25% | 0.007% |
| 45 | 4.331 | 4.314 | 4.359 | VV | 1174    | 18960 | 0.17% | 0.005% |
| 46 | 4.371 | 4.359 | 4.382 | VV | 508     | 4914  | 0.05% | 0.001% |
| 47 | 4.391 | 4.382 | 4.414 | VV | 384     | 3337  | 0.03% | 0.001% |
| 48 | 4.443 | 4.414 | 4.463 | PV | 652     | 9314  | 0.09% | 0.002% |
| 49 | 4.485 | 4.463 | 4.508 | VV | 848     | 13216 | 0.12% | 0.004% |
| 50 | 4.525 | 4.508 | 4.555 | VV | 2264    | 26059 | 0.24% | 0.007% |
| 51 | 4.572 | 4.555 | 4.586 | VV | 787     | 8353  | 0.08% | 0.002% |
| 52 | 4.599 | 4.586 | 4.614 | VV | 596     | 6825  | 0.06% | 0.002% |
| 53 | 4.625 | 4.614 | 4.658 | VV | 439     | 6740  | 0.06% | 0.002% |
| 54 | 4.684 | 4.658 | 4.713 | VV | 859     | 16745 | 0.15% | 0.004% |
| 55 | 4.731 | 4.713 | 4.742 | VV | 1109    | 14495 | 0.13% | 0.004% |
| 56 | 4.749 | 4.742 | 4.766 | VV | 912     | 11011 | 0.10% | 0.003% |
| 57 | 4.782 | 4.766 | 4.799 | VV | 2333    | 22784 | 0.21% | 0.006% |
| 58 | 4.815 | 4.799 | 4.828 | VV | 989     | 11347 | 0.10% | 0.003% |
| 59 | 4.835 | 4.828 | 4.849 | VV | 889     | 8744  | 0.08% | 0.002% |
| 60 | 4.861 | 4.849 | 4.872 | VV | 723     | 7545  | 0.07% | 0.002% |
| 61 | 4.905 | 4.872 | 4.925 | VV | 1229    | 22609 | 0.21% | 0.006% |
| 62 | 4.944 | 4.925 | 4.964 | VV | 1550    | 21428 | 0.20% | 0.006% |
| 63 | 4.977 | 4.964 | 4.991 | VV | 644     | 8939  | 0.08% | 0.002% |
| 64 | 5.008 | 4.991 | 5.028 | VV | 1312    | 16424 | 0.15% | 0.004% |
| 65 | 5.059 | 5.028 | 5.071 | VV | 674     | 10988 | 0.10% | 0.003% |
| 66 | 5.077 | 5.071 | 5.111 | VV | 588     | 9909  | 0.09% | 0.003% |
| 67 | 5.138 | 5.111 | 5.151 | VV | 867     | 11260 | 0.10% | 0.003% |
| 68 | 5.169 | 5.151 | 5.196 | VV | 1054    | 17020 | 0.16% | 0.005% |
| 69 | 5.226 | 5.196 | 5.238 | VV | 841     | 12839 | 0.12% | 0.003% |
| 70 | 5.254 | 5.238 | 5.295 | VV | 1165    | 27084 | 0.25% | 0.007% |
| 71 | 5.303 | 5.295 | 5.316 | VV | 358     | 3002  | 0.03% | 0.001% |
| 72 | 5.337 | 5.316 | 5.353 | PV | 392     | 5493  | 0.05% | 0.001% |
| 73 | 5.388 | 5.353 | 5.416 | VV | 1793    | 28005 | 0.26% | 0.008% |
| 74 | 5.437 | 5.416 | 5.447 | VV | 553     | 8682  | 0.08% | 0.002% |
| 75 | 5.465 | 5.447 | 5.482 | VV | 1030    | 13819 | 0.13% | 0.004% |
| 76 | 5.496 | 5.482 | 5.544 | VV | 643     | 13295 | 0.12% | 0.004% |
| 77 | 5.568 | 5.544 | 5.584 | VV | 2443    | 27721 | 0.25% | 0.007% |
| 78 | 5.599 | 5.584 | 5.624 | VV | 3070    | 33353 | 0.31% | 0.009% |
| 79 | 5.641 | 5.624 | 5.676 | PV | 845     | 13356 | 0.12% | 0.004% |
| 80 | 5.705 | 5.676 | 5.714 | VV | 374     | 6910  | 0.06% | 0.002% |
| 81 | 5.725 | 5.714 | 5.738 | VV | 329     | 3851  | 0.04% | 0.001% |
| 82 | 5.760 | 5.738 | 5.801 | VV | 2614    | 37415 | 0.34% | 0.010% |
| 83 | 5.815 | 5.801 | 5.832 | VV | 632     | 10344 | 0.09% | 0.003% |
| 84 | 5.856 | 5.832 | 5.897 | VV | 1874    | 37594 | 0.34% | 0.010% |
| 85 | 5.918 | 5.897 | 5.931 | VV | 948     | 12230 | 0.11% | 0.003% |
| 86 | 5.945 | 5.931 | 5.957 | VV | 948     | 11864 | 0.11% | 0.003% |
| 87 | 5.984 | 5.957 | 6.009 | VV | 1177    | 23902 | 0.22% | 0.006% |
| 88 | 6.027 | 6.009 | 6.050 | VV | 935     | 12969 | 0.12% | 0.003% |
| 89 | 6.079 | 6.050 | 6.093 | VV | 1664    | 24977 | 0.23% | 0.007% |

|     |       |       |       |    | rteres |       |       |        |
|-----|-------|-------|-------|----|--------|-------|-------|--------|
| 90  | 6.126 | 6.093 | 6.151 | VV | 5320   | 71620 | 0.66% | 0.019% |
| 91  | 6.170 | 6.151 | 6.188 | VV | 979    | 14341 | 0.13% | 0.004% |
| 92  | 6.230 | 6.188 | 6.248 | VV | 951    | 21011 | 0.19% | 0.006% |
| 93  | 6.272 | 6.248 | 6.291 | VV | 996    | 19423 | 0.18% | 0.005% |
| 94  | 6.305 | 6.291 | 6.332 | VV | 876    | 16009 | 0.15% | 0.004% |
| 95  | 6.370 | 6.332 | 6.383 | VV | 999    | 22198 | 0.20% | 0.006% |
| 96  | 6.398 | 6.383 | 6.418 | VV | 1395   | 19368 | 0.18% | 0.005% |
| 97  | 6.437 | 6.418 | 6.458 | VV | 1331   | 17520 | 0.16% | 0.005% |
| 98  | 6.486 | 6.458 | 6.502 | VV | 956    | 17489 | 0.16% | 0.005% |
| 99  | 6.516 | 6.502 | 6.534 | VV | 814    | 12534 | 0.12% | 0.003% |
| 100 | 6.551 | 6.534 | 6.568 | VV | 2285   | 26324 | 0.24% | 0.007% |
| 101 | 6.577 | 6.568 | 6.602 | VV | 786    | 9170  | 0.08% | 0.002% |
| 102 | 6.624 | 6.602 | 6.668 | PV | 1223   | 23041 | 0.21% | 0.006% |
| 103 | 6.676 | 6.668 | 6.684 | VV | 665    | 6246  | 0.06% | 0.002% |
| 104 | 6.702 | 6.684 | 6.723 | VV | 3410   | 40275 | 0.37% | 0.011% |
| 105 | 6.753 | 6.723 | 6.802 | VV | 1559   | 32650 | 0.30% | 0.009% |
| 106 | 6.831 | 6.802 | 6.856 | VV | 1205   | 18758 | 0.17% | 0.005% |
| 107 | 6.882 | 6.856 | 6.908 | VV | 1307   | 25359 | 0.23% | 0.007% |
| 108 | 6.955 | 6.908 | 6.977 | VV | 938    | 26381 | 0.24% | 0.007% |
| 109 | 7.025 | 6.977 | 7.038 | VV | 1317   | 29806 | 0.27% | 0.008% |
| 110 | 7.056 | 7.038 | 7.075 | VV | 1867   | 32036 | 0.29% | 0.009% |
| 111 | 7.084 | 7.075 | 7.101 | VV | 1311   | 16401 | 0.15% | 0.004% |
| 112 | 7.116 | 7.101 | 7.144 | VV | 1776   | 28214 | 0.26% | 0.008% |
| 113 | 7.184 | 7.144 | 7.205 | VV | 5818   | 73219 | 0.67% | 0.020% |
| 114 | 7.218 | 7.205 | 7.237 | VV | 1049   | 15003 | 0.14% | 0.004% |
| 115 | 7.257 | 7.237 | 7.300 | VV | 4851   | 71225 | 0.65% | 0.019% |
| 116 | 7.319 | 7.300 | 7.338 | VV | 2977   | 34524 | 0.32% | 0.009% |
| 117 | 7.359 | 7.338 | 7.424 | VV | 1395   | 37717 | 0.35% | 0.010% |
| 118 | 7.445 | 7.424 | 7.458 | VV | 991    | 14536 | 0.13% | 0.004% |
| 119 | 7.477 | 7.458 | 7.518 | VV | 2624   | 41402 | 0.38% | 0.011% |
| 120 | 7.534 | 7.518 | 7.549 | VV | 798    | 11833 | 0.11% | 0.003% |
| 121 | 7.570 | 7.549 | 7.588 | VV | 912    | 15935 | 0.15% | 0.004% |
| 122 | 7.601 | 7.588 | 7.631 | VV | 716    | 16046 | 0.15% | 0.004% |
| 123 | 7.654 | 7.631 | 7.691 | VV | 2036   | 41526 | 0.38% | 0.011% |
| 124 | 7.707 | 7.691 | 7.728 | VV | 729    | 9833  | 0.09% | 0.003% |
| 125 | 7.742 | 7.728 | 7.756 | VV | 425    | 5435  | 0.05% | 0.001% |
| 126 | 7.780 | 7.756 | 7.798 | VV | 1129   | 19403 | 0.18% | 0.005% |
| 127 | 7.821 | 7.798 | 7.861 | VV | 1192   | 28409 | 0.26% | 0.008% |
| 128 | 7.874 | 7.861 | 7.884 | VV | 599    | 6455  | 0.06% | 0.002% |
| 129 | 7.910 | 7.884 | 7.984 | VV | 2143   | 72393 | 0.66% | 0.019% |
| 130 | 8.001 | 7.984 | 8.024 | VV | 1053   | 17516 | 0.16% | 0.005% |
| 131 | 8.066 | 8.024 | 8.083 | VV | 1707   | 40371 | 0.37% | 0.011% |
| 132 | 8.100 | 8.083 | 8.142 | VV | 1686   | 34314 | 0.31% | 0.009% |
| 133 | 8.172 | 8.142 | 8.194 | VV | 6736   | 93915 | 0.86% | 0.025% |
| 134 | 8.205 | 8.194 | 8.216 | VV | 866    | 11207 | 0.10% | 0.003% |
| 135 | 8.240 | 8.216 | 8.254 | VV | 1274   | 25484 | 0.23% | 0.007% |
| 136 | 8.283 | 8.254 | 8.297 | VV | 2970   | 43880 | 0.40% | 0.012% |
| 137 | 8.310 | 8.297 | 8.326 | VV | 2327   | 27846 | 0.26% | 0.007% |
| 138 | 8.349 | 8.326 | 8.377 | VV | 3655   | 52432 | 0.48% | 0.014% |
| 139 | 8.397 | 8.377 | 8.418 | VV | 1440   | 20796 | 0.19% | 0.006% |
| 140 | 8.446 | 8.418 | 8.453 | VV | 2012   | 25777 | 0.24% | 0.007% |
| 141 | 8.467 | 8.453 | 8.488 | VV | 3228   | 42330 | 0.39% | 0.011% |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 142 | 8.523  | 8.488  | 8.547  | VV | 2844   | 50270  | 0.46% | 0.013% |
| 143 | 8.557  | 8.547  | 8.591  | VV | 1014   | 20223  | 0.19% | 0.005% |
| 144 | 8.605  | 8.591  | 8.614  | VV | 764    | 8453   | 0.08% | 0.002% |
| 145 | 8.633  | 8.614  | 8.667  | VV | 785    | 18359  | 0.17% | 0.005% |
|     |        |        |        |    |        |        |       |        |
| 146 | 8.714  | 8.667  | 8.729  | VV | 1208   | 22010  | 0.20% | 0.006% |
| 147 | 8.762  | 8.729  | 8.786  | VV | 1803   | 39015  | 0.36% | 0.010% |
| 148 | 8.818  | 8.786  | 8.850  | VV | 2363   | 53934  | 0.49% | 0.014% |
| 149 | 8.888  | 8.850  | 8.913  | VV | 5553   | 85331  | 0.78% | 0.023% |
| 150 | 8.925  | 8.913  | 8.948  | VV | 801    | 14144  | 0.13% | 0.004% |
|     |        |        |        |    |        |        |       |        |
| 151 | 8.973  | 8.948  | 8.986  | VV | 1502   | 21913  | 0.20% | 0.006% |
| 152 | 9.002  | 8.986  | 9.020  | VV | 1792   | 24358  | 0.22% | 0.007% |
| 153 | 9.036  | 9.020  | 9.055  | VV | 2372   | 27775  | 0.25% | 0.007% |
| 154 | 9.089  | 9.055  | 9.099  | VV | 839    | 17746  | 0.16% | 0.005% |
| 155 | 9.126  | 9.099  | 9.142  | VV | 1281   | 22928  | 0.21% | 0.006% |
|     |        |        |        |    |        |        |       |        |
| 156 | 9.172  | 9.142  | 9.194  | VV | 4220   | 56029  | 0.51% | 0.015% |
| 157 | 9.211  | 9.194  | 9.233  | VV | 1431   | 18335  | 0.17% | 0.005% |
| 158 | 9.258  | 9.233  | 9.285  | VV | 556    | 9787   | 0.09% | 0.003% |
| 159 | 9.328  | 9.285  | 9.344  | VV | 1119   | 15824  | 0.15% | 0.004% |
| 160 | 9.360  | 9.344  | 9.391  | VV | 1386   | 16014  | 0.15% | 0.004% |
|     |        |        |        |    |        |        |       |        |
| 161 | 9.408  | 9.391  | 9.424  | VV | 423    | 4601   | 0.04% | 0.001% |
| 162 | 9.465  | 9.424  | 9.486  | PV | 1447   | 21667  | 0.20% | 0.006% |
| 163 | 9.504  | 9.486  | 9.525  | VV | 1141   | 15717  | 0.14% | 0.004% |
| 164 | 9.549  | 9.525  | 9.602  | VV | 2926   | 50954  | 0.47% | 0.014% |
| 165 | 9.630  | 9.602  | 9.660  | VV | 2036   | 36839  | 0.34% | 0.010% |
|     |        |        |        |    |        |        |       |        |
| 166 | 9.671  | 9.660  | 9.684  | VV | 584    | 7097   | 0.07% | 0.002% |
| 167 | 9.703  | 9.684  | 9.718  | VV | 1250   | 19907  | 0.18% | 0.005% |
| 168 | 9.728  | 9.718  | 9.800  | VV | 1124   | 30743  | 0.28% | 0.008% |
| 169 | 9.825  | 9.800  | 9.849  | VV | 10286  | 102282 | 0.94% | 0.027% |
| 170 | 9.871  | 9.849  | 9.905  | PV | 1361   | 26299  | 0.24% | 0.007% |
|     |        |        |        |    |        |        |       |        |
| 171 | 9.920  | 9.905  | 9.932  | VV | 659    | 9919   | 0.09% | 0.003% |
| 172 | 9.954  | 9.932  | 10.016 | VV | 4378   | 73719  | 0.68% | 0.020% |
| 173 | 10.032 | 10.016 | 10.043 | VV | 477    | 6268   | 0.06% | 0.002% |
| 174 | 10.062 | 10.043 | 10.101 | VV | 796    | 13499  | 0.12% | 0.004% |
| 175 | 10.132 | 10.101 | 10.204 | PV | 636    | 15339  | 0.14% | 0.004% |
|     |        |        |        |    |        |        |       |        |
| 176 | 10.254 | 10.204 | 10.275 | VV | 657    | 14337  | 0.13% | 0.004% |
| 177 | 10.297 | 10.275 | 10.324 | VV | 1528   | 25303  | 0.23% | 0.007% |
| 178 | 10.343 | 10.324 | 10.368 | VV | 2040   | 29210  | 0.27% | 0.008% |
| 179 | 10.405 | 10.368 | 10.413 | VV | 1605   | 25061  | 0.23% | 0.007% |
| 180 | 10.428 | 10.413 | 10.453 | VV | 2311   | 32615  | 0.30% | 0.009% |
|     |        |        |        |    |        |        |       |        |
| 181 | 10.471 | 10.453 | 10.516 | VV | 2219   | 31684  | 0.29% | 0.008% |
| 182 | 10.551 | 10.516 | 10.579 | PV | 1215   | 26210  | 0.24% | 0.007% |
| 183 | 10.600 | 10.579 | 10.641 | VV | 2631   | 44833  | 0.41% | 0.012% |
| 184 | 10.647 | 10.641 | 10.660 | VV | 674    | 5206   | 0.05% | 0.001% |
| 185 | 10.692 | 10.660 | 10.733 | VV | 5216   | 82513  | 0.76% | 0.022% |
|     |        |        |        |    |        |        |       |        |
| 186 | 10.759 | 10.733 | 10.794 | VV | 3170   | 57838  | 0.53% | 0.016% |
| 187 | 10.818 | 10.794 | 10.837 | VV | 636    | 11304  | 0.10% | 0.003% |
| 188 | 10.848 | 10.837 | 10.864 | VV | 717    | 5962   | 0.05% | 0.002% |
| 189 | 10.890 | 10.864 | 10.900 | PV | 279    | 4371   | 0.04% | 0.001% |
| 190 | 10.917 | 10.900 | 10.928 | VV | 777    | 7908   | 0.07% | 0.002% |
|     |        |        |        |    |        |        |       |        |
| 191 | 10.953 | 10.928 | 10.996 | VV | 20748  | 235028 | 2.16% | 0.063% |
| 192 | 11.027 | 10.996 | 11.065 | VV | 7274   | 89747  | 0.82% | 0.024% |
| 193 | 11.087 | 11.065 | 11.111 | VV | 909    | 14550  | 0.13% | 0.004% |
| 194 | 11.147 | 11.111 | 11.160 | VV | 657    | 12485  | 0.11% | 0.003% |

|     |        |        |        |    | rters  |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
| 195 | 11.174 | 11.160 | 11.187 | VV | 749    | 7913    | 0.07%  | 0.002% |
| 196 | 11.202 | 11.187 | 11.215 | VV | 661    | 7658    | 0.07%  | 0.002% |
| 197 | 11.237 | 11.215 | 11.252 | VV | 3016   | 38001   | 0.35%  | 0.010% |
| 198 | 11.260 | 11.252 | 11.282 | VV | 1705   | 18984   | 0.17%  | 0.005% |
| 199 | 11.309 | 11.282 | 11.328 | PV | 1499   | 26082   | 0.24%  | 0.007% |
| 200 | 11.343 | 11.328 | 11.356 | VV | 1729   | 23549   | 0.22%  | 0.006% |
| 201 | 11.362 | 11.356 | 11.371 | VV | 1290   | 11373   | 0.10%  | 0.003% |
| 202 | 11.397 | 11.371 | 11.417 | VV | 6253   | 80095   | 0.73%  | 0.021% |
| 203 | 11.478 | 11.417 | 11.521 | VV | 4438   | 113125  | 1.04%  | 0.030% |
| 204 | 11.553 | 11.521 | 11.574 | PV | 1954   | 29610   | 0.27%  | 0.008% |
| 205 | 11.605 | 11.574 | 11.626 | VV | 2992   | 43393   | 0.40%  | 0.012% |
| 206 | 11.646 | 11.626 | 11.674 | VV | 1837   | 33585   | 0.31%  | 0.009% |
| 207 | 11.722 | 11.674 | 11.744 | VV | 147306 | 1624475 | 14.91% | 0.436% |
| 208 | 11.755 | 11.744 | 11.770 | VV | 11031  | 115448  | 1.06%  | 0.031% |
| 209 | 11.787 | 11.770 | 11.813 | VV | 16874  | 190816  | 1.75%  | 0.051% |
| 210 | 11.852 | 11.813 | 11.888 | VV | 6793   | 141602  | 1.30%  | 0.038% |
| 211 | 11.906 | 11.888 | 11.920 | VV | 6763   | 83226   | 0.76%  | 0.022% |
| 212 | 11.936 | 11.920 | 11.961 | VV | 8010   | 101344  | 0.93%  | 0.027% |
| 213 | 11.976 | 11.961 | 11.988 | VV | 997    | 10347   | 0.09%  | 0.003% |
| 214 | 12.027 | 11.988 | 12.037 | VV | 1769   | 34634   | 0.32%  | 0.009% |
| 215 | 12.068 | 12.037 | 12.090 | VV | 9887   | 141191  | 1.30%  | 0.038% |
| 216 | 12.108 | 12.090 | 12.134 | VV | 3955   | 62730   | 0.58%  | 0.017% |
| 217 | 12.158 | 12.134 | 12.180 | VV | 2352   | 41860   | 0.38%  | 0.011% |
| 218 | 12.196 | 12.180 | 12.206 | VV | 1160   | 13751   | 0.13%  | 0.004% |
| 219 | 12.228 | 12.206 | 12.244 | VV | 4577   | 56426   | 0.52%  | 0.015% |
| 220 | 12.258 | 12.244 | 12.272 | VV | 2766   | 32482   | 0.30%  | 0.009% |
| 221 | 12.313 | 12.272 | 12.356 | VV | 38392  | 541797  | 4.97%  | 0.145% |
| 222 | 12.374 | 12.356 | 12.392 | VV | 4520   | 69773   | 0.64%  | 0.019% |
| 223 | 12.405 | 12.392 | 12.421 | VV | 2489   | 34958   | 0.32%  | 0.009% |
| 224 | 12.481 | 12.421 | 12.493 | VV | 5798   | 140836  | 1.29%  | 0.038% |
| 225 | 12.498 | 12.493 | 12.523 | VV | 5143   | 65049   | 0.60%  | 0.017% |
| 226 | 12.548 | 12.523 | 12.594 | VV | 9245   | 219117  | 2.01%  | 0.059% |
| 227 | 12.624 | 12.594 | 12.638 | VV | 5712   | 106730  | 0.98%  | 0.029% |
| 228 | 12.658 | 12.638 | 12.676 | VV | 13166  | 179338  | 1.65%  | 0.048% |
| 229 | 12.707 | 12.676 | 12.748 | VV | 15108  | 358242  | 3.29%  | 0.096% |
| 230 | 12.773 | 12.748 | 12.817 | VV | 35997  | 477938  | 4.39%  | 0.128% |
| 231 | 12.835 | 12.817 | 12.856 | VV | 2848   | 48217   | 0.44%  | 0.013% |
| 232 | 12.874 | 12.856 | 12.884 | VV | 2929   | 37184   | 0.34%  | 0.010% |
| 233 | 12.903 | 12.884 | 12.917 | VV | 4569   | 67334   | 0.62%  | 0.018% |
| 234 | 12.929 | 12.917 | 12.943 | VV | 4274   | 53675   | 0.49%  | 0.014% |
| 235 | 12.965 | 12.943 | 13.007 | VV | 8477   | 187604  | 1.72%  | 0.050% |
| 236 | 13.027 | 13.007 | 13.045 | VV | 4329   | 74644   | 0.68%  | 0.020% |
| 237 | 13.074 | 13.045 | 13.098 | VV | 47895  | 577838  | 5.30%  | 0.155% |
| 238 | 13.156 | 13.098 | 13.189 | VV | 105532 | 1463678 | 13.43% | 0.392% |
| 239 | 13.215 | 13.189 | 13.234 | VV | 5734   | 123135  | 1.13%  | 0.033% |
| 240 | 13.272 | 13.234 | 13.296 | VV | 5335   | 169276  | 1.55%  | 0.045% |
| 241 | 13.322 | 13.296 | 13.384 | VV | 14876  | 415369  | 3.81%  | 0.111% |
| 242 | 13.403 | 13.384 | 13.453 | VV | 10324  | 268340  | 2.46%  | 0.072% |
| 243 | 13.471 | 13.453 | 13.484 | VV | 7731   | 110253  | 1.01%  | 0.030% |
| 244 | 13.502 | 13.484 | 13.517 | VV | 10301  | 161636  | 1.48%  | 0.043% |
| 245 | 13.549 | 13.517 | 13.591 | VV | 16152  | 457347  | 4.20%  | 0.123% |
| 246 | 13.661 | 13.591 | 13.688 | VV | 20303  | 597852  | 5.49%  | 0.160% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 13.726 | 13.688 | 13.748 | VV | 8913   | 279020  | 2.56%  | 0.075% |
| 248    | 13.772 | 13.748 | 13.789 | VV | 13746  | 255630  | 2.35%  | 0.069% |
| 249    | 13.810 | 13.789 | 13.841 | VV | 31342  | 502901  | 4.61%  | 0.135% |
| 250    | 13.859 | 13.841 | 13.883 | VV | 11797  | 234936  | 2.16%  | 0.063% |
|        |        |        |        |    |        |         |        |        |
| 251    | 13.910 | 13.883 | 13.926 | VV | 20868  | 378927  | 3.48%  | 0.102% |
| 252    | 13.942 | 13.926 | 13.962 | VV | 25729  | 404342  | 3.71%  | 0.108% |
| 253    | 13.980 | 13.962 | 14.009 | VV | 16597  | 329227  | 3.02%  | 0.088% |
| 254    | 14.058 | 14.009 | 14.101 | VV | 9444   | 432656  | 3.97%  | 0.116% |
| 255    | 14.141 | 14.101 | 14.169 | VV | 11392  | 379003  | 3.48%  | 0.102% |
|        |        |        |        |    |        |         |        |        |
| 256    | 14.195 | 14.169 | 14.228 | VV | 10061  | 319153  | 2.93%  | 0.086% |
| 257    | 14.248 | 14.228 | 14.263 | VV | 11427  | 211214  | 1.94%  | 0.057% |
| 258    | 14.283 | 14.263 | 14.294 | VV | 10932  | 192308  | 1.76%  | 0.052% |
| 259    | 14.370 | 14.294 | 14.381 | VV | 17725  | 716807  | 6.58%  | 0.192% |
| 260    | 14.398 | 14.381 | 14.424 | VV | 25456  | 467271  | 4.29%  | 0.125% |
|        |        |        |        |    |        |         |        |        |
| 261    | 14.433 | 14.424 | 14.443 | VV | 11318  | 123909  | 1.14%  | 0.033% |
| 262    | 14.472 | 14.443 | 14.488 | VV | 28752  | 524126  | 4.81%  | 0.141% |
| 263    | 14.501 | 14.488 | 14.519 | VV | 22792  | 356327  | 3.27%  | 0.096% |
| 264    | 14.529 | 14.519 | 14.548 | VV | 15521  | 247809  | 2.27%  | 0.066% |
| 265    | 14.580 | 14.548 | 14.597 | VV | 31337  | 613995  | 5.63%  | 0.165% |
|        |        |        |        |    |        |         |        |        |
| 266    | 14.607 | 14.597 | 14.624 | VV | 21416  | 291599  | 2.68%  | 0.078% |
| 267    | 14.643 | 14.624 | 14.661 | VV | 27334  | 437059  | 4.01%  | 0.117% |
| 268    | 14.702 | 14.661 | 14.724 | VV | 22087  | 625658  | 5.74%  | 0.168% |
| 269    | 14.766 | 14.724 | 14.788 | VV | 16254  | 545285  | 5.00%  | 0.146% |
| 270    | 14.825 | 14.788 | 14.849 | VV | 17131  | 549304  | 5.04%  | 0.147% |
|        |        |        |        |    |        |         |        |        |
| 271    | 14.865 | 14.849 | 14.881 | VV | 13602  | 246353  | 2.26%  | 0.066% |
| 272    | 14.954 | 14.881 | 14.975 | VV | 85793  | 1730225 | 15.88% | 0.464% |
| 273    | 14.998 | 14.975 | 15.081 | VV | 92467  | 2142040 | 19.65% | 0.574% |
| 274    | 15.112 | 15.081 | 15.143 | VV | 25420  | 776462  | 7.12%  | 0.208% |
| 275    | 15.163 | 15.143 | 15.180 | VV | 31584  | 570297  | 5.23%  | 0.153% |
|        |        |        |        |    |        |         |        |        |
| 276    | 15.196 | 15.180 | 15.231 | VV | 27571  | 662071  | 6.07%  | 0.178% |
| 277    | 15.269 | 15.231 | 15.358 | VV | 39844  | 1890527 | 17.35% | 0.507% |
| 278    | 15.403 | 15.358 | 15.459 | VV | 37020  | 1463002 | 13.42% | 0.392% |
| 279    | 15.476 | 15.459 | 15.486 | VV | 20903  | 315025  | 2.89%  | 0.084% |
| 280    | 15.535 | 15.486 | 15.570 | VV | 36493  | 1366324 | 12.54% | 0.366% |
|        |        |        |        |    |        |         |        |        |
| 281    | 15.590 | 15.570 | 15.608 | VV | 42379  | 777829  | 7.14%  | 0.209% |
| 282    | 15.633 | 15.608 | 15.652 | VV | 127380 | 1957381 | 17.96% | 0.525% |
| 283    | 15.670 | 15.652 | 15.718 | VV | 102990 | 1867527 | 17.14% | 0.501% |
| 284    | 15.800 | 15.718 | 15.850 | VV | 56412  | 2920763 | 26.80% | 0.783% |
| 285    | 15.871 | 15.850 | 15.897 | VV | 38941  | 951234  | 8.73%  | 0.255% |
|        |        |        |        |    |        |         |        |        |
| 286    | 15.916 | 15.897 | 15.936 | VV | 34888  | 759530  | 6.97%  | 0.204% |
| 287    | 15.955 | 15.936 | 15.980 | VV | 35267  | 824256  | 7.56%  | 0.221% |
| 288    | 15.996 | 15.980 | 16.012 | VV | 31373  | 570269  | 5.23%  | 0.153% |
| 289    | 16.040 | 16.012 | 16.084 | VV | 40859  | 1488140 | 13.65% | 0.399% |
| 290    | 16.097 | 16.084 | 16.107 | VV | 29144  | 394767  | 3.62%  | 0.106% |
|        |        |        |        |    |        |         |        |        |
| 291    | 16.138 | 16.107 | 16.151 | VV | 36794  | 854479  | 7.84%  | 0.229% |
| 292    | 16.163 | 16.151 | 16.176 | VV | 34747  | 489137  | 4.49%  | 0.131% |
| 293    | 16.234 | 16.176 | 16.255 | VV | 72296  | 2193756 | 20.13% | 0.588% |
| 294    | 16.272 | 16.255 | 16.289 | VV | 76908  | 1204901 | 11.06% | 0.323% |
| 295    | 16.306 | 16.289 | 16.323 | VV | 62158  | 1033947 | 9.49%  | 0.277% |
|        |        |        |        |    |        |         |        |        |
| 296    | 16.338 | 16.323 | 16.368 | VV | 52244  | 1216205 | 11.16% | 0.326% |
| 297    | 16.400 | 16.368 | 16.410 | VV | 49486  | 1127707 | 10.35% | 0.302% |
| 298    | 16.440 | 16.410 | 16.474 | VV | 71944  | 2050406 | 18.81% | 0.550% |
| 299    | 16.522 | 16.474 | 16.577 | VV | 139297 | 4303547 | 39.49% | 1.154% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 300    | 16.601 | 16.577 | 16.618 | VV | 44145  | 964438   | 8.85%   | 0.259% |
| 301    | 16.655 | 16.618 | 16.674 | VV | 54190  | 1544081  | 14.17%  | 0.414% |
| 302    | 16.711 | 16.674 | 16.738 | VV | 55952  | 1778062  | 16.31%  | 0.477% |
| 303    | 16.771 | 16.738 | 16.791 | VV | 52554  | 1504237  | 13.80%  | 0.403% |
| 304    | 16.850 | 16.791 | 16.881 | VV | 214328 | 4980824  | 45.70%  | 1.336% |
| 305    | 16.906 | 16.881 | 16.931 | VV | 203860 | 3182252  | 29.20%  | 0.853% |
| 306    | 16.991 | 16.931 | 17.023 | VV | 66770  | 3175229  | 29.13%  | 0.851% |
| 307    | 17.045 | 17.023 | 17.074 | VV | 66405  | 1868133  | 17.14%  | 0.501% |
| 308    | 17.155 | 17.074 | 17.201 | VV | 92497  | 5547328  | 50.90%  | 1.488% |
| 309    | 17.217 | 17.201 | 17.235 | VV | 65817  | 1273497  | 11.69%  | 0.341% |
| 310    | 17.271 | 17.235 | 17.352 | VV | 124769 | 5892302  | 54.07%  | 1.580% |
| 311    | 17.414 | 17.352 | 17.426 | VV | 189438 | 4515233  | 41.43%  | 1.211% |
| 312    | 17.440 | 17.426 | 17.464 | VV | 220731 | 3296260  | 30.25%  | 0.884% |
| 313    | 17.499 | 17.464 | 17.515 | VV | 135962 | 2895635  | 26.57%  | 0.776% |
| 314    | 17.524 | 17.515 | 17.547 | VV | 107663 | 1670720  | 15.33%  | 0.448% |
| 315    | 17.576 | 17.547 | 17.598 | VV | 90594  | 2450316  | 22.48%  | 0.657% |
| 316    | 17.612 | 17.598 | 17.649 | VV | 81307  | 2279640  | 20.92%  | 0.611% |
| 317    | 17.673 | 17.649 | 17.692 | VV | 72491  | 1789848  | 16.42%  | 0.480% |
| 318    | 17.715 | 17.692 | 17.734 | VV | 85122  | 1916533  | 17.59%  | 0.514% |
| 319    | 17.753 | 17.734 | 17.769 | VV | 85821  | 1649465  | 15.13%  | 0.442% |
| 320    | 17.778 | 17.769 | 17.794 | VV | 77417  | 1155758  | 10.60%  | 0.310% |
| 321    | 17.878 | 17.794 | 17.925 | VV | 184129 | 9330254  | 85.61%  | 2.502% |
| 322    | 17.979 | 17.925 | 17.999 | VV | 150798 | 5635759  | 51.71%  | 1.511% |
| 323    | 18.011 | 17.999 | 18.028 | VV | 105407 | 1718049  | 15.76%  | 0.461% |
| 324    | 18.086 | 18.028 | 18.115 | VV | 161450 | 6148222  | 56.41%  | 1.649% |
| 325    | 18.139 | 18.115 | 18.173 | VV | 106773 | 3428334  | 31.46%  | 0.919% |
| 326    | 18.197 | 18.173 | 18.222 | VV | 163247 | 3451181  | 31.67%  | 0.925% |
| 327    | 18.242 | 18.222 | 18.263 | VV | 89959  | 2094832  | 19.22%  | 0.562% |
| 328    | 18.296 | 18.263 | 18.312 | VV | 165023 | 3758153  | 34.48%  | 1.008% |
| 329    | 18.332 | 18.312 | 18.359 | VV | 180507 | 4187839  | 38.43%  | 1.123% |
| 330    | 18.377 | 18.359 | 18.395 | VV | 121545 | 2355020  | 21.61%  | 0.631% |
| 331    | 18.428 | 18.395 | 18.444 | VV | 226896 | 5004104  | 45.92%  | 1.342% |
| 332    | 18.462 | 18.444 | 18.521 | VV | 258132 | 7703110  | 70.68%  | 2.066% |
| 333    | 18.561 | 18.521 | 18.612 | VV | 305655 | 9415319  | 86.39%  | 2.525% |
| 334    | 18.663 | 18.612 | 18.757 | VV | 167239 | 10898371 | 100.00% | 2.922% |
| 335    | 18.781 | 18.757 | 18.818 | VV | 128710 | 3968562  | 36.41%  | 1.064% |
| 336    | 18.867 | 18.818 | 18.888 | VV | 175845 | 5929340  | 54.41%  | 1.590% |
| 337    | 18.897 | 18.888 | 18.924 | VV | 159290 | 3249036  | 29.81%  | 0.871% |
| 338    | 18.942 | 18.924 | 18.960 | VV | 150631 | 3030606  | 27.81%  | 0.813% |
| 339    | 18.991 | 18.960 | 19.011 | VV | 238859 | 5799217  | 53.21%  | 1.555% |
| 340    | 19.020 | 19.011 | 19.046 | VV | 187546 | 3517935  | 32.28%  | 0.943% |
| 341    | 19.081 | 19.046 | 19.104 | VV | 270072 | 6710269  | 61.57%  | 1.799% |
| 342    | 19.122 | 19.104 | 19.171 | VV | 158674 | 5414374  | 49.68%  | 1.452% |
| 343    | 19.245 | 19.171 | 19.313 | VV | 158694 | 10667286 | 97.88%  | 2.860% |
| 344    | 19.348 | 19.313 | 19.391 | VV | 126224 | 5408086  | 49.62%  | 1.450% |
| 345    | 19.408 | 19.391 | 19.432 | VV | 133318 | 3036197  | 27.86%  | 0.814% |
| 346    | 19.451 | 19.432 | 19.463 | VV | 122560 | 2172079  | 19.93%  | 0.582% |
| 347    | 19.523 | 19.463 | 19.536 | VV | 149259 | 6120866  | 56.16%  | 1.641% |
| 348    | 19.552 | 19.536 | 19.595 | VV | 152456 | 4701904  | 43.14%  | 1.261% |
| 349    | 19.611 | 19.595 | 19.630 | VV | 125866 | 2586402  | 23.73%  | 0.694% |
| 350    | 19.654 | 19.630 | 19.678 | VV | 131981 | 3485342  | 31.98%  | 0.935% |
| 351    | 19.723 | 19.678 | 19.764 | VV | 150701 | 7100440  | 65.15%  | 1.904% |

| rteres                  |        |        |        |    |        |           |        |        |
|-------------------------|--------|--------|--------|----|--------|-----------|--------|--------|
| 352                     | 19.785 | 19.764 | 19.820 | VV | 165953 | 4510392   | 41.39% | 1.209% |
| 353                     | 19.845 | 19.820 | 19.856 | VV | 112143 | 2309628   | 21.19% | 0.619% |
| 354                     | 19.874 | 19.856 | 19.925 | VV | 122599 | 4537684   | 41.64% | 1.217% |
| 355                     | 19.939 | 19.925 | 19.971 | VV | 105883 | 2729299   | 25.04% | 0.732% |
| 356                     | 20.004 | 19.971 | 20.034 | VV | 137099 | 4332352   | 39.75% | 1.162% |
| 357                     | 20.105 | 20.034 | 20.139 | VV | 229147 | 8725015   | 80.06% | 2.340% |
| 358                     | 20.171 | 20.139 | 20.183 | VV | 124958 | 3037032   | 27.87% | 0.814% |
| 359                     | 20.197 | 20.183 | 20.230 | VV | 130090 | 3403214   | 31.23% | 0.913% |
| 360                     | 20.241 | 20.230 | 20.269 | VV | 114396 | 2568781   | 23.57% | 0.689% |
| 361                     | 20.307 | 20.269 | 20.357 | VV | 122198 | 5850203   | 53.68% | 1.569% |
| 362                     | 20.366 | 20.357 | 20.404 | VV | 104504 | 2809335   | 25.78% | 0.753% |
| 363                     | 20.447 | 20.404 | 20.497 | VV | 117175 | 5184803   | 47.57% | 1.390% |
| 364                     | 20.535 | 20.497 | 20.549 | VV | 107030 | 2966226   | 27.22% | 0.795% |
| 365                     | 20.597 | 20.549 | 20.668 | VV | 130747 | 7222016   | 66.27% | 1.937% |
| 366                     | 20.695 | 20.668 | 20.728 | VV | 81993  | 2688000   | 24.66% | 0.721% |
| 367                     | 20.738 | 20.728 | 20.752 | VV | 73866  | 1025066   | 9.41%  | 0.275% |
| 368                     | 20.776 | 20.752 | 20.808 | VV | 79929  | 2502138   | 22.96% | 0.671% |
| 369                     | 20.818 | 20.808 | 20.870 | VV | 71933  | 2475411   | 22.71% | 0.664% |
| 370                     | 20.880 | 20.870 | 20.891 | VV | 62592  | 771507    | 7.08%  | 0.207% |
| 371                     | 20.913 | 20.891 | 20.943 | VV | 62738  | 1885726   | 17.30% | 0.506% |
| 372                     | 20.980 | 20.943 | 21.003 | VV | 71453  | 2396675   | 21.99% | 0.643% |
| 373                     | 21.018 | 21.003 | 21.046 | VV | 75070  | 1752428   | 16.08% | 0.470% |
| 374                     | 21.066 | 21.046 | 21.100 | VV | 64612  | 1896070   | 17.40% | 0.508% |
| 375                     | 21.130 | 21.100 | 21.149 | VV | 63569  | 1639485   | 15.04% | 0.440% |
| 376                     | 21.166 | 21.149 | 21.241 | VV | 56353  | 2637611   | 24.20% | 0.707% |
| 377                     | 21.264 | 21.241 | 21.315 | VV | 48192  | 1843082   | 16.91% | 0.494% |
| 378                     | 21.380 | 21.315 | 21.444 | VV | 43501  | 2901881   | 26.63% | 0.778% |
| 379                     | 21.466 | 21.444 | 21.508 | VV | 40852  | 1390120   | 12.76% | 0.373% |
| 380                     | 21.570 | 21.508 | 21.734 | VV | 48128  | 4627858   | 42.46% | 1.241% |
| 381                     | 21.753 | 21.734 | 21.768 | VV | 22749  | 430572    | 3.95%  | 0.115% |
| 382                     | 21.780 | 21.768 | 21.794 | VV | 22785  | 344655    | 3.16%  | 0.092% |
| 383                     | 21.806 | 21.794 | 21.861 | VV | 22529  | 674830    | 6.19%  | 0.181% |
| 384                     | 21.898 | 21.861 | 21.943 | VV | 31289  | 1126139   | 10.33% | 0.302% |
| 385                     | 21.984 | 21.943 | 22.056 | VV | 30667  | 1228895   | 11.28% | 0.330% |
| 386                     | 22.093 | 22.056 | 22.167 | VV | 15651  | 604830    | 5.55%  | 0.162% |
| 387                     | 22.185 | 22.167 | 22.220 | VV | 7875   | 125009    | 1.15%  | 0.034% |
| Sum of corrected areas: |        |        |        |    |        | 372925422 |        |        |

Aliphatic EPH 040225.M Wed Apr 09 04:46:52 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068501.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 16:52  
Operator : YP/AJ  
Sample : Q1736-02  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
GST2

Integration File: autoint1.e  
Quant Time: Apr 08 02:35:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 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)    | 11.726 | 5571738  | 43.208 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 86.42%     |
| 12) S 1-chlorooctadecane (S... | 13.158 | 4166783  | 45.297 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 90.59%     |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

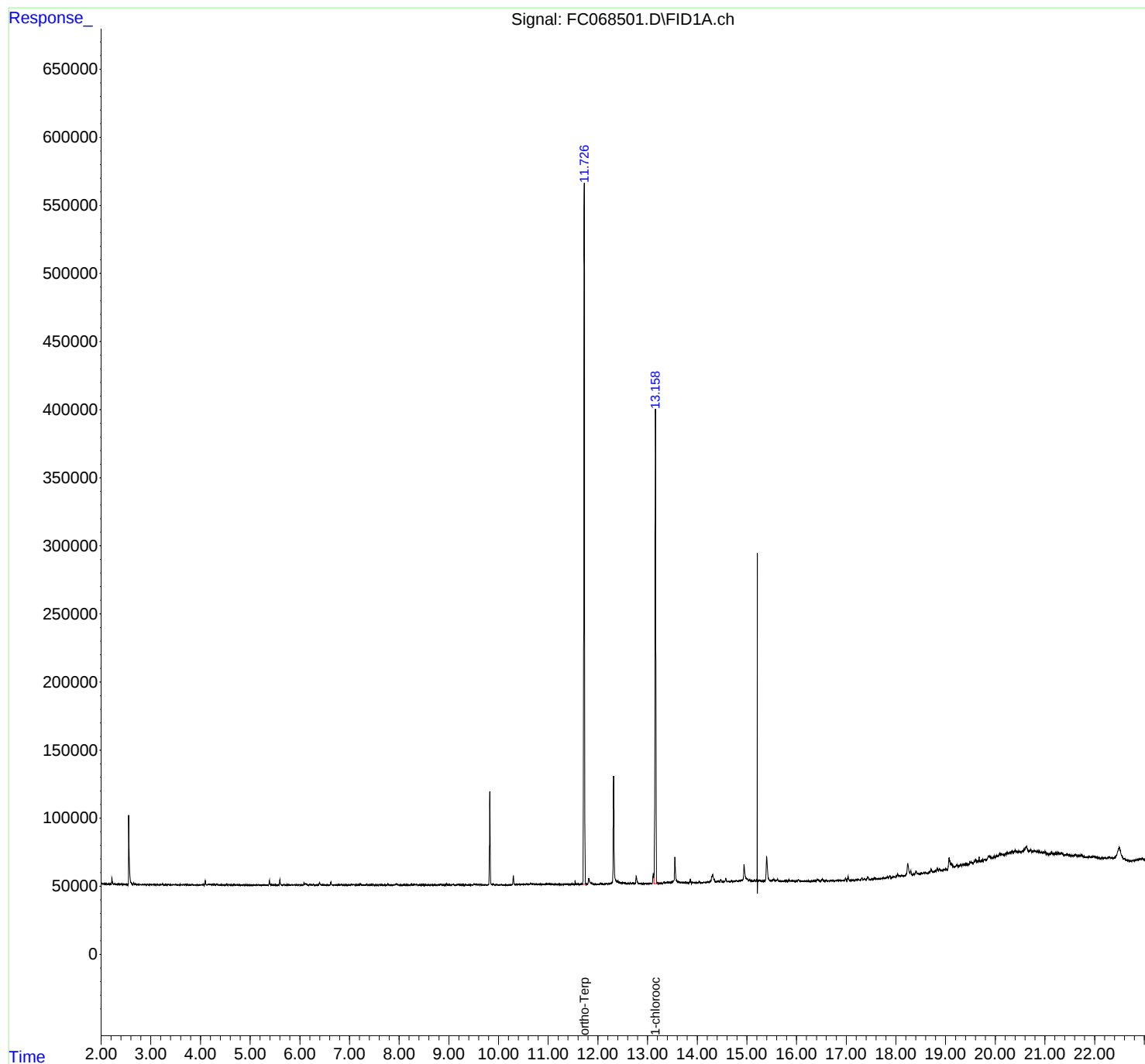
(m)=manual int.

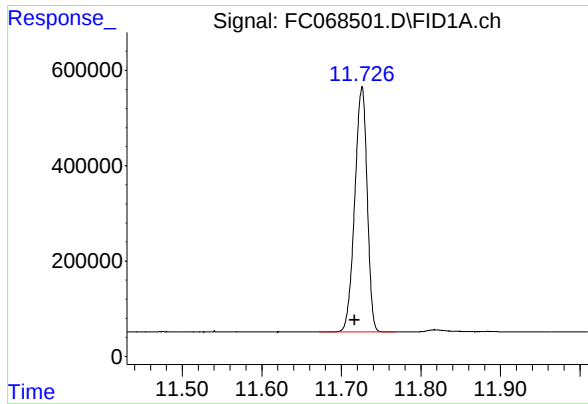
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068501.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 16:52  
Operator : YP/AJ  
Sample : Q1736-02  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
GST2

Integration File: autoint1.e  
Quant Time: Apr 08 02:35:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

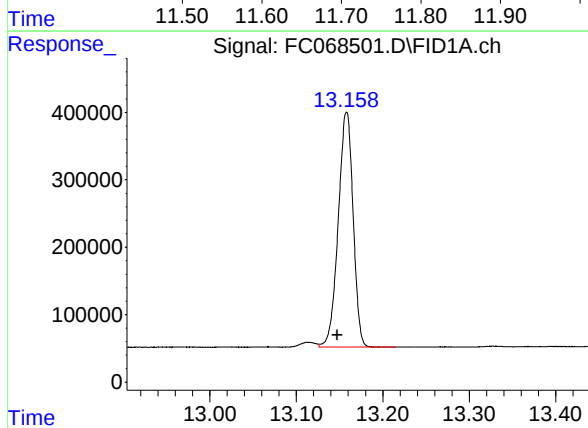




#9 ortho-Terphenyl (SURR)

R.T.: 11.726 min  
Delta R.T.: 0.009 min  
Response: 5571738  
Conc: 43.21 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
GST2



#12 1-chlorooctadecane (SURR)

R.T.: 13.158 min  
Delta R.T.: 0.011 min  
Response: 4166783  
Conc: 45.30 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068501.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 16:52  
 Sample : Q1736-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.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         | 2.370       | 2.321        | 2.381      | BV       | 80             | 402          | 0.01%          | 0.001%        |
| 2         | 2.388       | 2.381        | 2.396      | VV       | 117            | 636          | 0.01%          | 0.002%        |
| 3         | 2.414       | 2.396        | 2.444      | VV       | 559            | 5200         | 0.09%          | 0.017%        |
| 4         | 2.469       | 2.444        | 2.514      | PV       | 149            | 2825         | 0.05%          | 0.009%        |
| 5         | 2.522       | 2.514        | 2.531      | VV       | 86             | 469          | 0.01%          | 0.002%        |
| 6         | 2.555       | 2.531        | 2.641      | VV       | 48812          | 493516       | 8.84%          | 1.627%        |
| 7         | 2.655       | 2.641        | 2.708      | VV       | 1464           | 18110        | 0.32%          | 0.060%        |
| 8         | 2.710       | 2.708        | 2.771      | VV       | 162            | 2410         | 0.04%          | 0.008%        |
| 9         | 2.787       | 2.771        | 2.871      | VV       | 147            | 3971         | 0.07%          | 0.013%        |
| 10        | 2.895       | 2.871        | 2.921      | PV       | 145            | 1917         | 0.03%          | 0.006%        |
| 11        | 2.927       | 2.921        | 2.964      | VV       | 99             | 1283         | 0.02%          | 0.004%        |
| 12        | 2.972       | 2.964        | 3.000      | VV       | 86             | 1321         | 0.02%          | 0.004%        |
| 13        | 3.026       | 3.000        | 3.053      | VV       | 190            | 2686         | 0.05%          | 0.009%        |
| 14        | 3.072       | 3.053        | 3.098      | VV       | 147            | 1943         | 0.03%          | 0.006%        |
| 15        | 3.108       | 3.098        | 3.116      | PV       | 105            | 699          | 0.01%          | 0.002%        |
| 16        | 3.136       | 3.116        | 3.203      | VV       | 277            | 6381         | 0.11%          | 0.021%        |
| 17        | 3.236       | 3.203        | 3.274      | VV       | 570            | 7694         | 0.14%          | 0.025%        |
| 18        | 3.352       | 3.274        | 3.414      | VV       | 295            | 8590         | 0.15%          | 0.028%        |
| 19        | 3.450       | 3.414        | 3.471      | VV       | 318            | 3813         | 0.07%          | 0.013%        |
| 20        | 3.488       | 3.471        | 3.558      | VV       | 104            | 2829         | 0.05%          | 0.009%        |
| 21        | 3.571       | 3.558        | 3.583      | PV       | 87             | 890          | 0.02%          | 0.003%        |
| 22        | 3.647       | 3.583        | 3.678      | VV       | 312            | 6555         | 0.12%          | 0.022%        |
| 23        | 3.692       | 3.678        | 3.737      | VV       | 208            | 4961         | 0.09%          | 0.016%        |
| 24        | 3.753       | 3.737        | 3.813      | VV       | 185            | 4869         | 0.09%          | 0.016%        |
| 25        | 3.829       | 3.813        | 3.852      | VV       | 116            | 1894         | 0.03%          | 0.006%        |
| 26        | 3.866       | 3.852        | 3.909      | VV       | 118            | 1997         | 0.04%          | 0.007%        |
| 27        | 3.937       | 3.909        | 3.991      | PV       | 124            | 4119         | 0.07%          | 0.014%        |
| 28        | 3.998       | 3.991        | 4.008      | VV       | 128            | 1018         | 0.02%          | 0.003%        |
| 29        | 4.016       | 4.008        | 4.027      | VV       | 90             | 736          | 0.01%          | 0.002%        |
| 30        | 4.045       | 4.027        | 4.078      | VV       | 151            | 2974         | 0.05%          | 0.010%        |
| 31        | 4.097       | 4.078        | 4.117      | VV       | 3243           | 26607        | 0.48%          | 0.088%        |
| 32        | 4.149       | 4.117        | 4.198      | VV       | 552            | 15313        | 0.27%          | 0.050%        |
| 33        | 4.209       | 4.198        | 4.235      | VV       | 304            | 5915         | 0.11%          | 0.020%        |
| 34        | 4.243       | 4.235        | 4.258      | VV       | 264            | 2940         | 0.05%          | 0.010%        |
| 35        | 4.291       | 4.258        | 4.309      | VV       | 235            | 5275         | 0.09%          | 0.017%        |
| 36        | 4.326       | 4.309        | 4.370      | VV       | 589            | 8395         | 0.15%          | 0.028%        |

|    |       |       |       |    | rt   | Area  | Height | %Area  | %Height |
|----|-------|-------|-------|----|------|-------|--------|--------|---------|
| 37 | 4.397 | 4.370 | 4.499 | VV | 221  | 8264  | 0.15%  | 0.027% |         |
| 38 | 4.532 | 4.499 | 4.556 | VV | 782  | 11157 | 0.20%  | 0.037% |         |
| 39 | 4.568 | 4.556 | 4.606 | VV | 274  | 4651  | 0.08%  | 0.015% |         |
| 40 | 4.624 | 4.606 | 4.661 | VV | 238  | 4462  | 0.08%  | 0.015% |         |
| 41 | 4.677 | 4.661 | 4.741 | VV | 473  | 10191 | 0.18%  | 0.034% |         |
| 42 | 4.748 | 4.741 | 4.773 | VV | 193  | 2722  | 0.05%  | 0.009% |         |
| 43 | 4.783 | 4.773 | 4.831 | VV | 252  | 4357  | 0.08%  | 0.014% |         |
| 44 | 4.870 | 4.831 | 4.891 | VV | 225  | 5354  | 0.10%  | 0.018% |         |
| 45 | 4.897 | 4.891 | 4.953 | VV | 174  | 4090  | 0.07%  | 0.013% |         |
| 46 | 4.964 | 4.953 | 4.991 | VV | 176  | 2462  | 0.04%  | 0.008% |         |
| 47 | 5.010 | 4.991 | 5.094 | VV | 175  | 6264  | 0.11%  | 0.021% |         |
| 48 | 5.108 | 5.094 | 5.121 | VV | 209  | 2260  | 0.04%  | 0.007% |         |
| 49 | 5.127 | 5.121 | 5.152 | VV | 208  | 3184  | 0.06%  | 0.010% |         |
| 50 | 5.163 | 5.152 | 5.193 | VV | 198  | 3238  | 0.06%  | 0.011% |         |
| 51 | 5.209 | 5.193 | 5.221 | VV | 143  | 2142  | 0.04%  | 0.007% |         |
| 52 | 5.232 | 5.221 | 5.242 | VV | 161  | 1606  | 0.03%  | 0.005% |         |
| 53 | 5.251 | 5.242 | 5.258 | VV | 122  | 1056  | 0.02%  | 0.003% |         |
| 54 | 5.272 | 5.258 | 5.313 | VV | 297  | 5497  | 0.10%  | 0.018% |         |
| 55 | 5.317 | 5.313 | 5.330 | VV | 155  | 1176  | 0.02%  | 0.004% |         |
| 56 | 5.342 | 5.330 | 5.366 | VV | 149  | 2112  | 0.04%  | 0.007% |         |
| 57 | 5.389 | 5.366 | 5.447 | PV | 3511 | 36169 | 0.65%  | 0.119% |         |
| 58 | 5.459 | 5.447 | 5.509 | VV | 178  | 5177  | 0.09%  | 0.017% |         |
| 59 | 5.528 | 5.509 | 5.548 | VV | 194  | 3188  | 0.06%  | 0.011% |         |
| 60 | 5.572 | 5.548 | 5.580 | VV | 234  | 3266  | 0.06%  | 0.011% |         |
| 61 | 5.598 | 5.580 | 5.661 | VV | 4065 | 43918 | 0.79%  | 0.145% |         |
| 62 | 5.681 | 5.661 | 5.711 | VV | 504  | 7457  | 0.13%  | 0.025% |         |
| 63 | 5.719 | 5.711 | 5.731 | VV | 184  | 1772  | 0.03%  | 0.006% |         |
| 64 | 5.740 | 5.731 | 5.755 | VV | 268  | 2068  | 0.04%  | 0.007% |         |
| 65 | 5.806 | 5.755 | 5.864 | VV | 274  | 13423 | 0.24%  | 0.044% |         |
| 66 | 5.880 | 5.864 | 5.904 | VV | 343  | 6122  | 0.11%  | 0.020% |         |
| 67 | 5.923 | 5.904 | 5.973 | VV | 318  | 9302  | 0.17%  | 0.031% |         |
| 68 | 5.982 | 5.973 | 6.035 | VV | 300  | 7554  | 0.14%  | 0.025% |         |
| 69 | 6.084 | 6.035 | 6.108 | VV | 1392 | 25392 | 0.45%  | 0.084% |         |
| 70 | 6.118 | 6.108 | 6.184 | VV | 891  | 24390 | 0.44%  | 0.080% |         |
| 71 | 6.197 | 6.184 | 6.250 | VV | 522  | 11873 | 0.21%  | 0.039% |         |
| 72 | 6.269 | 6.250 | 6.313 | VV | 362  | 8154  | 0.15%  | 0.027% |         |
| 73 | 6.325 | 6.313 | 6.370 | VV | 257  | 6641  | 0.12%  | 0.022% |         |
| 74 | 6.399 | 6.370 | 6.421 | VV | 2061 | 25122 | 0.45%  | 0.083% |         |
| 75 | 6.432 | 6.421 | 6.520 | VV | 431  | 10137 | 0.18%  | 0.033% |         |
| 76 | 6.551 | 6.520 | 6.578 | VV | 175  | 4391  | 0.08%  | 0.014% |         |
| 77 | 6.581 | 6.578 | 6.589 | VV | 203  | 833   | 0.01%  | 0.003% |         |
| 78 | 6.594 | 6.589 | 6.608 | VV | 141  | 1053  | 0.02%  | 0.003% |         |
| 79 | 6.625 | 6.608 | 6.652 | VV | 2365 | 22887 | 0.41%  | 0.075% |         |
| 80 | 6.671 | 6.652 | 6.688 | VV | 138  | 2050  | 0.04%  | 0.007% |         |
| 81 | 6.705 | 6.688 | 6.713 | VV | 168  | 1799  | 0.03%  | 0.006% |         |
| 82 | 6.729 | 6.713 | 6.746 | VV | 143  | 2319  | 0.04%  | 0.008% |         |
| 83 | 6.755 | 6.746 | 6.768 | VV | 124  | 1411  | 0.03%  | 0.005% |         |
| 84 | 6.780 | 6.768 | 6.794 | VV | 153  | 1602  | 0.03%  | 0.005% |         |
| 85 | 6.832 | 6.794 | 6.919 | VV | 340  | 13105 | 0.23%  | 0.043% |         |
| 86 | 6.934 | 6.919 | 6.967 | PV | 138  | 2486  | 0.04%  | 0.008% |         |
| 87 | 7.036 | 6.967 | 7.164 | VV | 376  | 25747 | 0.46%  | 0.085% |         |
| 88 | 7.177 | 7.164 | 7.201 | VV | 181  | 2819  | 0.05%  | 0.009% |         |
| 89 | 7.218 | 7.201 | 7.291 | VV | 1068 | 15955 | 0.29%  | 0.053% |         |

|     |        |        |        |    | rt    | Area   | Height | %Area  | %Height |
|-----|--------|--------|--------|----|-------|--------|--------|--------|---------|
| 90  | 7.320  | 7.291  | 7.331  | VV | 155   | 2489   | 0.04%  | 0.008% |         |
| 91  | 7.349  | 7.331  | 7.371  | VV | 530   | 6662   | 0.12%  | 0.022% |         |
| 92  | 7.377  | 7.371  | 7.432  | VV | 151   | 4304   | 0.08%  | 0.014% |         |
| 93  | 7.480  | 7.432  | 7.515  | VV | 314   | 6540   | 0.12%  | 0.022% |         |
| 94  | 7.534  | 7.515  | 7.554  | VV | 177   | 3324   | 0.06%  | 0.011% |         |
| 95  | 7.567  | 7.554  | 7.583  | VV | 191   | 2691   | 0.05%  | 0.009% |         |
| 96  | 7.605  | 7.583  | 7.621  | VV | 228   | 3887   | 0.07%  | 0.013% |         |
| 97  | 7.627  | 7.621  | 7.661  | VV | 197   | 2514   | 0.05%  | 0.008% |         |
| 98  | 7.704  | 7.661  | 7.750  | VV | 198   | 5179   | 0.09%  | 0.017% |         |
| 99  | 7.775  | 7.750  | 7.808  | PV | 783   | 11176  | 0.20%  | 0.037% |         |
| 100 | 7.901  | 7.808  | 7.916  | VV | 245   | 7594   | 0.14%  | 0.025% |         |
| 101 | 7.937  | 7.916  | 7.952  | VV | 1042  | 12651  | 0.23%  | 0.042% |         |
| 102 | 7.962  | 7.952  | 8.024  | VV | 681   | 10833  | 0.19%  | 0.036% |         |
| 103 | 8.036  | 8.024  | 8.060  | VV | 172   | 2210   | 0.04%  | 0.007% |         |
| 104 | 8.112  | 8.060  | 8.132  | VV | 185   | 4546   | 0.08%  | 0.015% |         |
| 105 | 8.172  | 8.132  | 8.197  | VV | 152   | 4128   | 0.07%  | 0.014% |         |
| 106 | 8.246  | 8.197  | 8.271  | VV | 614   | 10949  | 0.20%  | 0.036% |         |
| 107 | 8.317  | 8.271  | 8.334  | VV | 864   | 14575  | 0.26%  | 0.048% |         |
| 108 | 8.351  | 8.334  | 8.404  | VV | 313   | 7258   | 0.13%  | 0.024% |         |
| 109 | 8.415  | 8.404  | 8.431  | VV | 127   | 1421   | 0.03%  | 0.005% |         |
| 110 | 8.440  | 8.431  | 8.534  | VV | 118   | 3875   | 0.07%  | 0.013% |         |
| 111 | 8.584  | 8.534  | 8.624  | VV | 230   | 5110   | 0.09%  | 0.017% |         |
| 112 | 8.656  | 8.624  | 8.666  | VV | 110   | 1591   | 0.03%  | 0.005% |         |
| 113 | 8.676  | 8.666  | 8.687  | VV | 122   | 1160   | 0.02%  | 0.004% |         |
| 114 | 8.714  | 8.687  | 8.742  | VV | 211   | 3901   | 0.07%  | 0.013% |         |
| 115 | 8.797  | 8.742  | 8.807  | VV | 198   | 5474   | 0.10%  | 0.018% |         |
| 116 | 8.830  | 8.807  | 8.881  | VV | 503   | 12572  | 0.23%  | 0.041% |         |
| 117 | 8.890  | 8.881  | 8.904  | VV | 137   | 1894   | 0.03%  | 0.006% |         |
| 118 | 8.907  | 8.904  | 8.931  | VV | 136   | 1343   | 0.02%  | 0.004% |         |
| 119 | 8.959  | 8.931  | 8.998  | VV | 905   | 12276  | 0.22%  | 0.040% |         |
| 120 | 9.089  | 8.998  | 9.154  | PV | 569   | 16024  | 0.29%  | 0.053% |         |
| 121 | 9.183  | 9.154  | 9.248  | VV | 357   | 13418  | 0.24%  | 0.044% |         |
| 122 | 9.249  | 9.248  | 9.303  | VV | 198   | 3272   | 0.06%  | 0.011% |         |
| 123 | 9.319  | 9.303  | 9.328  | VV | 114   | 1151   | 0.02%  | 0.004% |         |
| 124 | 9.393  | 9.328  | 9.412  | VV | 151   | 5111   | 0.09%  | 0.017% |         |
| 125 | 9.418  | 9.412  | 9.447  | VV | 105   | 1614   | 0.03%  | 0.005% |         |
| 126 | 9.475  | 9.447  | 9.486  | VV | 174   | 2706   | 0.05%  | 0.009% |         |
| 127 | 9.509  | 9.486  | 9.544  | VV | 857   | 16832  | 0.30%  | 0.055% |         |
| 128 | 9.555  | 9.544  | 9.604  | VV | 518   | 11980  | 0.21%  | 0.040% |         |
| 129 | 9.626  | 9.604  | 9.648  | VV | 315   | 6151   | 0.11%  | 0.020% |         |
| 130 | 9.658  | 9.648  | 9.718  | VV | 207   | 6179   | 0.11%  | 0.020% |         |
| 131 | 9.737  | 9.718  | 9.761  | VV | 242   | 3458   | 0.06%  | 0.011% |         |
| 132 | 9.826  | 9.761  | 9.878  | VV | 68439 | 678980 | 12.16% | 2.239% |         |
| 133 | 9.890  | 9.878  | 9.928  | VV | 654   | 9452   | 0.17%  | 0.031% |         |
| 134 | 9.953  | 9.928  | 10.014 | VV | 491   | 9229   | 0.17%  | 0.030% |         |
| 135 | 10.030 | 10.014 | 10.040 | PV | 146   | 1208   | 0.02%  | 0.004% |         |
| 136 | 10.059 | 10.040 | 10.081 | VV | 279   | 3279   | 0.06%  | 0.011% |         |
| 137 | 10.101 | 10.081 | 10.168 | VV | 179   | 3430   | 0.06%  | 0.011% |         |
| 138 | 10.207 | 10.168 | 10.221 | VV | 109   | 2019   | 0.04%  | 0.007% |         |
| 139 | 10.225 | 10.221 | 10.233 | VV | 126   | 457    | 0.01%  | 0.002% |         |
| 140 | 10.301 | 10.233 | 10.361 | VV | 6771  | 80731  | 1.45%  | 0.266% |         |
| 141 | 10.374 | 10.361 | 10.384 | VV | 320   | 4004   | 0.07%  | 0.013% |         |

|     |        |        |        |    | rteres |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
| 142 | 10.403 | 10.384 | 10.422 | VV | 405    | 7264    | 0.13%   | 0.024%  |
| 143 | 10.431 | 10.422 | 10.460 | VV | 313    | 5998    | 0.11%   | 0.020%  |
| 144 | 10.494 | 10.460 | 10.511 | VV | 352    | 8873    | 0.16%   | 0.029%  |
| 145 | 10.559 | 10.511 | 10.617 | VV | 659    | 27165   | 0.49%   | 0.090%  |
| 146 | 10.647 | 10.617 | 10.674 | VV | 1138   | 22189   | 0.40%   | 0.073%  |
| 147 | 10.692 | 10.674 | 10.749 | VV | 705    | 22985   | 0.41%   | 0.076%  |
| 148 | 10.792 | 10.749 | 10.814 | VV | 488    | 15193   | 0.27%   | 0.050%  |
| 149 | 10.831 | 10.814 | 10.870 | VV | 402    | 9568    | 0.17%   | 0.032%  |
| 150 | 10.882 | 10.870 | 10.921 | VV | 262    | 6883    | 0.12%   | 0.023%  |
| 151 | 10.949 | 10.921 | 10.968 | VV | 515    | 9945    | 0.18%   | 0.033%  |
| 152 | 10.985 | 10.968 | 11.000 | VV | 492    | 8517    | 0.15%   | 0.028%  |
| 153 | 11.024 | 11.000 | 11.051 | VV | 640    | 15049   | 0.27%   | 0.050%  |
| 154 | 11.068 | 11.051 | 11.102 | VV | 393    | 8890    | 0.16%   | 0.029%  |
| 155 | 11.145 | 11.102 | 11.192 | VV | 282    | 10444   | 0.19%   | 0.034%  |
| 156 | 11.251 | 11.192 | 11.275 | VV | 224    | 6176    | 0.11%   | 0.020%  |
| 157 | 11.328 | 11.275 | 11.350 | VV | 454    | 8587    | 0.15%   | 0.028%  |
| 158 | 11.369 | 11.350 | 11.383 | VV | 535    | 6582    | 0.12%   | 0.022%  |
| 159 | 11.396 | 11.383 | 11.430 | VV | 419    | 6091    | 0.11%   | 0.020%  |
| 160 | 11.441 | 11.430 | 11.453 | VV | 109    | 1033    | 0.02%   | 0.003%  |
| 161 | 11.475 | 11.453 | 11.516 | VV | 586    | 9424    | 0.17%   | 0.031%  |
| 162 | 11.524 | 11.516 | 11.549 | VV | 106    | 3685    | 0.07%   | 0.012%  |
| 163 | 11.564 | 11.549 | 11.588 | VV | 441    | 7438    | 0.13%   | 0.025%  |
| 164 | 11.594 | 11.588 | 11.621 | VV | 363    | 3400    | 0.06%   | 0.011%  |
| 165 | 11.726 | 11.621 | 11.768 | PV | 509188 | 5583484 | 100.00% | 18.410% |
| 166 | 11.818 | 11.768 | 11.869 | VV | 4463   | 88318   | 1.58%   | 0.291%  |
| 167 | 11.886 | 11.869 | 11.939 | VV | 1093   | 16383   | 0.29%   | 0.054%  |
| 168 | 11.958 | 11.939 | 11.988 | VV | 162    | 1986    | 0.04%   | 0.007%  |
| 169 | 12.004 | 11.988 | 12.026 | VV | 180    | 2252    | 0.04%   | 0.007%  |
| 170 | 12.059 | 12.026 | 12.104 | VV | 845    | 16547   | 0.30%   | 0.055%  |
| 171 | 12.115 | 12.104 | 12.140 | VV | 187    | 2868    | 0.05%   | 0.009%  |
| 172 | 12.166 | 12.140 | 12.201 | VV | 722    | 12133   | 0.22%   | 0.040%  |
| 173 | 12.317 | 12.201 | 12.386 | VV | 78951  | 1021189 | 18.29%  | 3.367%  |
| 174 | 12.403 | 12.386 | 12.484 | VV | 2749   | 78569   | 1.41%   | 0.259%  |
| 175 | 12.497 | 12.484 | 12.583 | VV | 818    | 40171   | 0.72%   | 0.132%  |
| 176 | 12.596 | 12.583 | 12.614 | VV | 407    | 6493    | 0.12%   | 0.021%  |
| 177 | 12.649 | 12.614 | 12.684 | VV | 895    | 19347   | 0.35%   | 0.064%  |
| 178 | 12.708 | 12.684 | 12.730 | VV | 1020   | 14581   | 0.26%   | 0.048%  |
| 179 | 12.772 | 12.730 | 12.848 | VV | 5783   | 98655   | 1.77%   | 0.325%  |
| 180 | 12.877 | 12.848 | 12.893 | VV | 298    | 4743    | 0.08%   | 0.016%  |
| 181 | 12.921 | 12.893 | 12.932 | VV | 138    | 2312    | 0.04%   | 0.008%  |
| 182 | 12.948 | 12.932 | 12.957 | VV | 216    | 2289    | 0.04%   | 0.008%  |
| 183 | 12.969 | 12.957 | 13.001 | VV | 285    | 3869    | 0.07%   | 0.013%  |
| 184 | 13.021 | 13.001 | 13.041 | PV | 194    | 3367    | 0.06%   | 0.011%  |
| 185 | 13.068 | 13.041 | 13.085 | VV | 472    | 6612    | 0.12%   | 0.022%  |
| 186 | 13.114 | 13.085 | 13.126 | VV | 7169   | 92112   | 1.65%   | 0.304%  |
| 187 | 13.158 | 13.126 | 13.231 | VV | 349971 | 4175166 | 74.78%  | 13.766% |
| 188 | 13.244 | 13.231 | 13.255 | VV | 271    | 2630    | 0.05%   | 0.009%  |
| 189 | 13.274 | 13.255 | 13.299 | VV | 403    | 6327    | 0.11%   | 0.021%  |
| 190 | 13.328 | 13.299 | 13.350 | VV | 1386   | 21874   | 0.39%   | 0.072%  |
| 191 | 13.369 | 13.350 | 13.381 | VV | 811    | 12709   | 0.23%   | 0.042%  |
| 192 | 13.397 | 13.381 | 13.424 | VV | 881    | 20123   | 0.36%   | 0.066%  |
| 193 | 13.441 | 13.424 | 13.478 | VV | 835    | 22681   | 0.41%   | 0.075%  |
| 194 | 13.549 | 13.478 | 13.695 | VV | 19603  | 352384  | 6.31%   | 1.162%  |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 195 | 13.742 | 13.695 | 13.811 | VV | 712    | 34725  | 0.62% | 0.114% |
| 196 | 13.859 | 13.811 | 13.884 | VV | 3082   | 44477  | 0.80% | 0.147% |
| 197 | 13.907 | 13.884 | 13.921 | VV | 603    | 9352   | 0.17% | 0.031% |
| 198 | 13.929 | 13.921 | 13.949 | VV | 508    | 6618   | 0.12% | 0.022% |
| 199 | 13.959 | 13.949 | 13.993 | VV | 336    | 6676   | 0.12% | 0.022% |
| 200 | 14.003 | 13.993 | 14.013 | VV | 222    | 2495   | 0.04% | 0.008% |
| 201 | 14.038 | 14.013 | 14.085 | VV | 1345   | 20933  | 0.37% | 0.069% |
| 202 | 14.147 | 14.085 | 14.184 | VV | 511    | 18211  | 0.33% | 0.060% |
| 203 | 14.208 | 14.184 | 14.233 | VV | 861    | 14861  | 0.27% | 0.049% |
| 204 | 14.310 | 14.233 | 14.373 | VV | 6082   | 202562 | 3.63% | 0.668% |
| 205 | 14.423 | 14.373 | 14.450 | VV | 1181   | 44195  | 0.79% | 0.146% |
| 206 | 14.474 | 14.450 | 14.517 | VV | 2502   | 54142  | 0.97% | 0.179% |
| 207 | 14.530 | 14.517 | 14.548 | VV | 888    | 14542  | 0.26% | 0.048% |
| 208 | 14.575 | 14.548 | 14.611 | VV | 3198   | 59945  | 1.07% | 0.198% |
| 209 | 14.635 | 14.611 | 14.661 | VV | 845    | 21443  | 0.38% | 0.071% |
| 210 | 14.691 | 14.661 | 14.721 | VV | 1483   | 34614  | 0.62% | 0.114% |
| 211 | 14.790 | 14.721 | 14.813 | VV | 1658   | 56055  | 1.00% | 0.185% |
| 212 | 14.851 | 14.813 | 14.868 | VV | 1395   | 36955  | 0.66% | 0.122% |
| 213 | 14.875 | 14.868 | 14.883 | VV | 1351   | 11839  | 0.21% | 0.039% |
| 214 | 14.942 | 14.883 | 15.038 | VV | 13052  | 348188 | 6.24% | 1.148% |
| 215 | 15.056 | 15.038 | 15.133 | VV | 1733   | 72476  | 1.30% | 0.239% |
| 216 | 15.156 | 15.133 | 15.180 | VV | 1315   | 31437  | 0.56% | 0.104% |
| 217 | 15.208 | 15.180 | 15.241 | VV | 73651  | 185986 | 3.33% | 0.613% |
| 218 | 15.248 | 15.241 | 15.261 | VV | 1152   | 13481  | 0.24% | 0.044% |
| 219 | 15.265 | 15.261 | 15.328 | VV | 1175   | 38321  | 0.69% | 0.126% |
| 220 | 15.341 | 15.328 | 15.358 | VV | 822    | 14138  | 0.25% | 0.047% |
| 221 | 15.397 | 15.358 | 15.507 | VV | 18441  | 396964 | 7.11% | 1.309% |
| 222 | 15.532 | 15.507 | 15.571 | VV | 1942   | 52908  | 0.95% | 0.174% |
| 223 | 15.617 | 15.571 | 15.645 | VV | 1764   | 47228  | 0.85% | 0.156% |
| 224 | 15.664 | 15.645 | 15.708 | VV | 854    | 21961  | 0.39% | 0.072% |
| 225 | 15.718 | 15.708 | 15.738 | VV | 528    | 8659   | 0.16% | 0.029% |
| 226 | 15.778 | 15.738 | 15.820 | VV | 642    | 24798  | 0.44% | 0.082% |
| 227 | 15.846 | 15.820 | 15.903 | VV | 1244   | 35225  | 0.63% | 0.116% |
| 228 | 15.926 | 15.903 | 15.991 | VV | 796    | 28158  | 0.50% | 0.093% |
| 229 | 15.999 | 15.991 | 16.007 | VV | 476    | 3954   | 0.07% | 0.013% |
| 230 | 16.035 | 16.007 | 16.118 | VV | 1380   | 38000  | 0.68% | 0.125% |
| 231 | 16.143 | 16.118 | 16.158 | VV | 261    | 4856   | 0.09% | 0.016% |
| 232 | 16.176 | 16.158 | 16.185 | VV | 227    | 2913   | 0.05% | 0.010% |
| 233 | 16.222 | 16.185 | 16.299 | VV | 375    | 15551  | 0.28% | 0.051% |
| 234 | 16.344 | 16.299 | 16.387 | PV | 423    | 11009  | 0.20% | 0.036% |
| 235 | 16.418 | 16.387 | 16.466 | VV | 1495   | 33450  | 0.60% | 0.110% |
| 236 | 16.477 | 16.466 | 16.486 | VV | 342    | 3449   | 0.06% | 0.011% |
| 237 | 16.518 | 16.486 | 16.570 | VV | 1323   | 26719  | 0.48% | 0.088% |
| 238 | 16.601 | 16.570 | 16.624 | VV | 686    | 10510  | 0.19% | 0.035% |
| 239 | 16.649 | 16.624 | 16.670 | PV | 116    | 2610   | 0.05% | 0.009% |
| 240 | 16.681 | 16.670 | 16.696 | VV | 217    | 2555   | 0.05% | 0.008% |
| 241 | 16.710 | 16.696 | 16.731 | VV | 274    | 3311   | 0.06% | 0.011% |
| 242 | 16.741 | 16.731 | 16.781 | VV | 194    | 3572   | 0.06% | 0.012% |
| 243 | 16.796 | 16.781 | 16.813 | VV | 188    | 2039   | 0.04% | 0.007% |
| 244 | 16.834 | 16.813 | 16.860 | VV | 332    | 4466   | 0.08% | 0.015% |
| 245 | 16.887 | 16.860 | 16.941 | VV | 385    | 6370   | 0.11% | 0.021% |
| 246 | 16.985 | 16.941 | 17.011 | PV | 1342   | 22189  | 0.40% | 0.073% |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 247 | 17.037 | 17.011 | 17.077 | VV | 3007   | 41379  | 0.74% | 0.136% |
| 248 | 17.112 | 17.077 | 17.128 | PV | 223    | 2932   | 0.05% | 0.010% |
| 249 | 17.140 | 17.128 | 17.160 | VV | 260    | 2345   | 0.04% | 0.008% |
| 250 | 17.191 | 17.160 | 17.201 | PV | 215    | 3050   | 0.05% | 0.010% |
| 251 | 17.245 | 17.201 | 17.280 | VV | 519    | 12036  | 0.22% | 0.040% |
| 252 | 17.316 | 17.280 | 17.344 | PV | 1877   | 28708  | 0.51% | 0.095% |
| 253 | 17.364 | 17.344 | 17.399 | VV | 723    | 16127  | 0.29% | 0.053% |
| 254 | 17.434 | 17.399 | 17.468 | VV | 2040   | 39363  | 0.70% | 0.130% |
| 255 | 17.486 | 17.468 | 17.500 | VV | 156    | 2214   | 0.04% | 0.007% |
| 256 | 17.525 | 17.500 | 17.535 | PV | 327    | 3321   | 0.06% | 0.011% |
| 257 | 17.570 | 17.535 | 17.631 | VV | 697    | 20315  | 0.36% | 0.067% |
| 258 | 17.657 | 17.631 | 17.694 | VV | 319    | 6157   | 0.11% | 0.020% |
| 259 | 17.751 | 17.694 | 17.766 | PV | 339    | 9513   | 0.17% | 0.031% |
| 260 | 17.830 | 17.766 | 17.850 | VV | 1212   | 24669  | 0.44% | 0.081% |
| 261 | 17.875 | 17.850 | 17.905 | VV | 1851   | 28019  | 0.50% | 0.092% |
| 262 | 17.966 | 17.905 | 17.981 | PV | 769    | 19750  | 0.35% | 0.065% |
| 263 | 18.036 | 17.981 | 18.092 | VV | 2081   | 71376  | 1.28% | 0.235% |
| 264 | 18.112 | 18.092 | 18.138 | VV | 1238   | 23414  | 0.42% | 0.077% |
| 265 | 18.238 | 18.138 | 18.279 | VV | 9340   | 255913 | 4.58% | 0.844% |
| 266 | 18.298 | 18.279 | 18.337 | VV | 4216   | 80654  | 1.44% | 0.266% |
| 267 | 18.404 | 18.337 | 18.467 | VV | 3489   | 127056 | 2.28% | 0.419% |
| 268 | 18.510 | 18.467 | 18.541 | VV | 1550   | 54059  | 0.97% | 0.178% |
| 269 | 18.566 | 18.541 | 18.578 | VV | 1695   | 30516  | 0.55% | 0.101% |
| 270 | 18.591 | 18.578 | 18.641 | VV | 1524   | 48732  | 0.87% | 0.161% |
| 271 | 18.708 | 18.641 | 18.750 | VV | 3426   | 130481 | 2.34% | 0.430% |
| 272 | 18.831 | 18.750 | 18.856 | VV | 3839   | 150286 | 2.69% | 0.496% |
| 273 | 18.876 | 18.856 | 18.954 | VV | 3388   | 145311 | 2.60% | 0.479% |
| 274 | 18.974 | 18.954 | 18.986 | VV | 2590   | 46606  | 0.83% | 0.154% |
| 275 | 19.005 | 18.986 | 19.028 | VV | 2802   | 62800  | 1.12% | 0.207% |
| 276 | 19.070 | 19.028 | 19.176 | VV | 10702  | 509100 | 9.12% | 1.679% |
| 277 | 19.228 | 19.176 | 19.268 | VV | 5150   | 233379 | 4.18% | 0.769% |
| 278 | 19.308 | 19.268 | 19.324 | VV | 5183   | 158001 | 2.83% | 0.521% |
| 279 | 19.355 | 19.324 | 19.368 | VV | 5069   | 123904 | 2.22% | 0.409% |
| 280 | 19.409 | 19.368 | 19.451 | VV | 5326   | 241796 | 4.33% | 0.797% |
| 281 | 19.492 | 19.451 | 19.502 | VV | 6239   | 165889 | 2.97% | 0.547% |
| 282 | 19.512 | 19.502 | 19.526 | VV | 6186   | 85504  | 1.53% | 0.282% |
| 283 | 19.536 | 19.526 | 19.558 | VV | 6090   | 108515 | 1.94% | 0.358% |
| 284 | 19.605 | 19.558 | 19.629 | VV | 7743   | 281059 | 5.03% | 0.927% |
| 285 | 19.638 | 19.629 | 19.650 | VV | 6313   | 77047  | 1.38% | 0.254% |
| 286 | 19.673 | 19.650 | 19.704 | VV | 7776   | 215050 | 3.85% | 0.709% |
| 287 | 19.721 | 19.704 | 19.734 | VV | 6510   | 113957 | 2.04% | 0.376% |
| 288 | 19.781 | 19.734 | 19.814 | VV | 7459   | 330520 | 5.92% | 1.090% |
| 289 | 19.870 | 19.814 | 19.911 | VV | 9546   | 482077 | 8.63% | 1.590% |
| 290 | 19.919 | 19.911 | 19.942 | VV | 8393   | 152020 | 2.72% | 0.501% |
| 291 | 19.979 | 19.942 | 19.997 | VV | 8953   | 270166 | 4.84% | 0.891% |
| 292 | 20.019 | 19.997 | 20.038 | VV | 8766   | 205527 | 3.68% | 0.678% |
| 293 | 20.052 | 20.038 | 20.071 | VV | 9196   | 178390 | 3.19% | 0.588% |
| 294 | 20.091 | 20.071 | 20.108 | VV | 10767  | 222425 | 3.98% | 0.733% |
| 295 | 20.141 | 20.108 | 20.154 | VV | 10010  | 268822 | 4.81% | 0.886% |
| 296 | 20.170 | 20.154 | 20.188 | VV | 9857   | 189741 | 3.40% | 0.626% |
| 297 | 20.244 | 20.188 | 20.261 | VV | 10655  | 443517 | 7.94% | 1.462% |
| 298 | 20.295 | 20.261 | 20.306 | VV | 10493  | 278488 | 4.99% | 0.918% |
| 299 | 20.339 | 20.306 | 20.371 | VV | 11518  | 422247 | 7.56% | 1.392% |

|                         |        |        |        |    | rteres   |         |        |        |
|-------------------------|--------|--------|--------|----|----------|---------|--------|--------|
| 300                     | 20.402 | 20.371 | 20.448 | VV | 11791    | 504845  | 9.04%  | 1.665% |
| 301                     | 20.479 | 20.448 | 20.501 | VV | 11023    | 334777  | 6.00%  | 1.104% |
| 302                     | 20.625 | 20.501 | 20.693 | VV | 13912    | 1313585 | 23.53% | 4.331% |
| 303                     | 20.718 | 20.693 | 20.738 | VV | 11036    | 282644  | 5.06%  | 0.932% |
| 304                     | 20.751 | 20.738 | 20.762 | VV | 10196    | 145084  | 2.60%  | 0.478% |
| 305                     | 20.795 | 20.762 | 20.815 | VV | 10298    | 317838  | 5.69%  | 1.048% |
| 306                     | 20.835 | 20.815 | 20.844 | VV | 9571     | 166575  | 2.98%  | 0.549% |
| 307                     | 20.853 | 20.844 | 20.874 | VV | 9614     | 162568  | 2.91%  | 0.536% |
| 308                     | 20.885 | 20.874 | 20.923 | VV | 9441     | 261497  | 4.68%  | 0.862% |
| 309                     | 20.935 | 20.923 | 20.950 | VV | 8649     | 137370  | 2.46%  | 0.453% |
| 310                     | 20.971 | 20.950 | 21.086 | VV | 8993     | 640814  | 11.48% | 2.113% |
| 311                     | 21.135 | 21.086 | 21.165 | VV | 7789     | 333657  | 5.98%  | 1.100% |
| 312                     | 21.176 | 21.165 | 21.190 | VV | 7075     | 102731  | 1.84%  | 0.339% |
| 313                     | 21.206 | 21.190 | 21.224 | VV | 7079     | 135038  | 2.42%  | 0.445% |
| 314                     | 21.269 | 21.224 | 21.311 | VV | 7042     | 343773  | 6.16%  | 1.133% |
| 315                     | 21.335 | 21.311 | 21.389 | VV | 6474     | 277646  | 4.97%  | 0.915% |
| 316                     | 21.411 | 21.389 | 21.423 | VV | 5360     | 106491  | 1.91%  | 0.351% |
| 317                     | 21.458 | 21.423 | 21.525 | VV | 5383     | 295148  | 5.29%  | 0.973% |
| 318                     | 21.539 | 21.525 | 21.568 | VV | 4242     | 103660  | 1.86%  | 0.342% |
| 319                     | 21.615 | 21.568 | 21.651 | VV | 4375     | 199665  | 3.58%  | 0.658% |
| 320                     | 21.665 | 21.651 | 21.678 | VV | 3519     | 55678   | 1.00%  | 0.184% |
| 321                     | 21.681 | 21.678 | 21.690 | VV | 3552     | 25793   | 0.46%  | 0.085% |
| 322                     | 21.728 | 21.690 | 21.778 | VV | 3992     | 179386  | 3.21%  | 0.591% |
| 323                     | 21.784 | 21.778 | 21.822 | VV | 2730     | 59522   | 1.07%  | 0.196% |
| 324                     | 21.840 | 21.822 | 21.875 | VV | 2313     | 63058   | 1.13%  | 0.208% |
| 325                     | 21.895 | 21.875 | 21.917 | VV | 2220     | 48580   | 0.87%  | 0.160% |
| 326                     | 21.927 | 21.917 | 21.945 | VV | 2113     | 31308   | 0.56%  | 0.103% |
| 327                     | 21.986 | 21.945 | 22.034 | VV | 2090     | 90156   | 1.61%  | 0.297% |
| 328                     | 22.042 | 22.034 | 22.117 | VV | 1327     | 38208   | 0.68%  | 0.126% |
| Sum of corrected areas: |        |        |        |    | 30328774 |         |        |        |

Aliphatic EPH 040225.M Tue Apr 08 03:25:04 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068498.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 15:00  
Operator : YP/AJ  
Sample : PB167477BL  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB167477BL

Integration File: autoint1.e  
Quant Time: Apr 08 02:33:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 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)    | 11.726 | 4743922  | 36.788 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 73.58%     |
| 12) S 1-chlorooctadecane (S... | 13.157 | 3572616  | 38.837 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 77.67%     |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

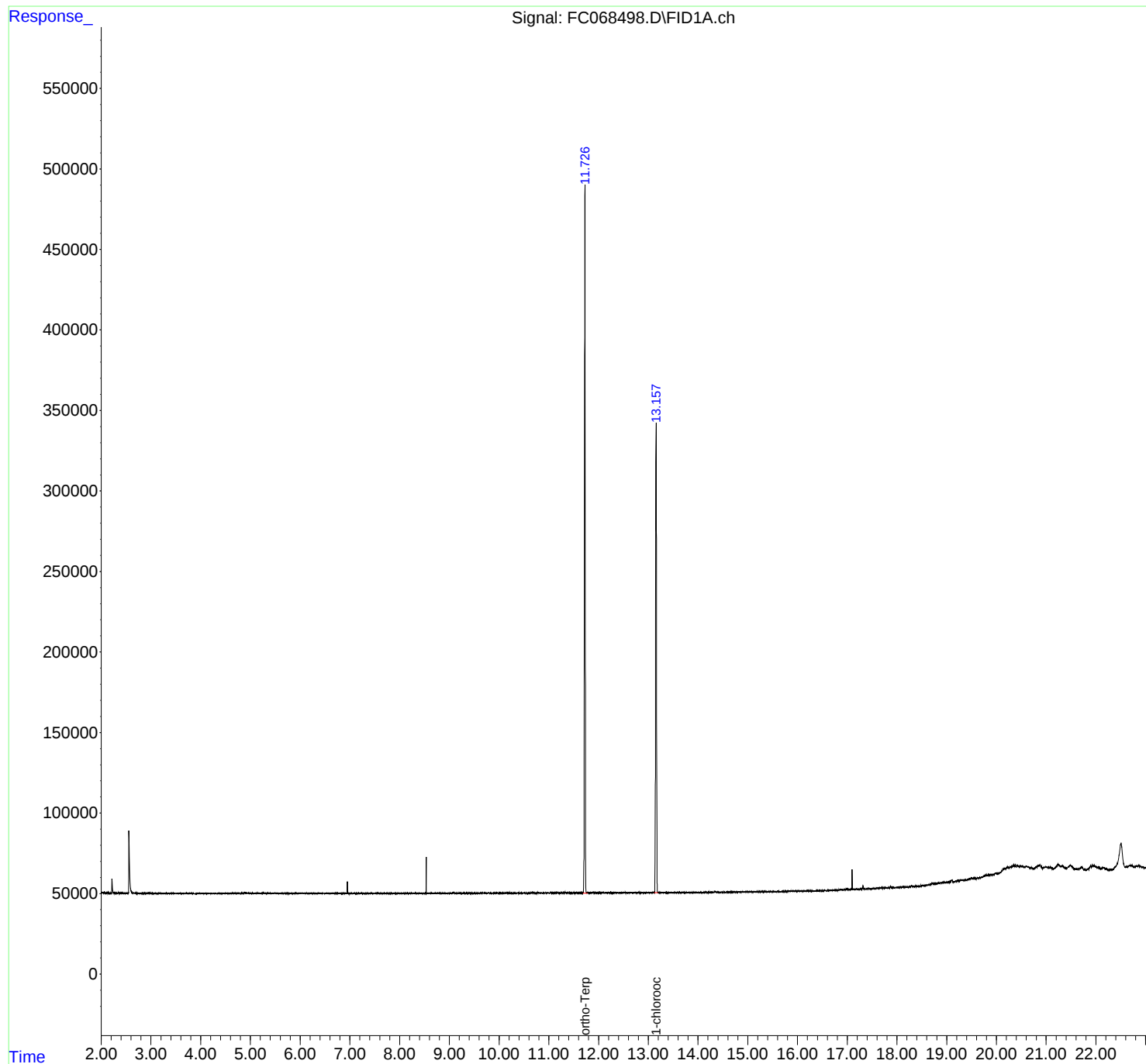
(m)=manual int.

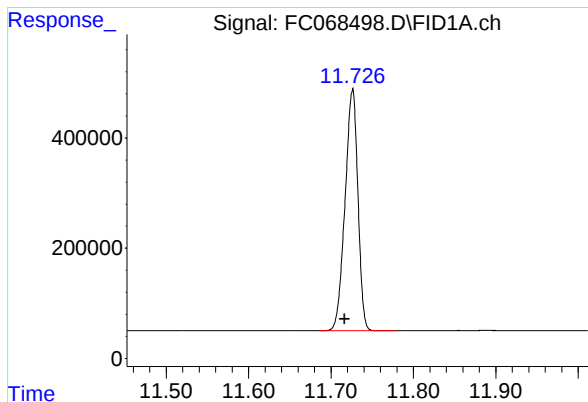
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068498.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 15:00  
Operator : YP/AJ  
Sample : PB167477BL  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB167477BL

Integration File: autoint1.e  
Quant Time: Apr 08 02:33:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

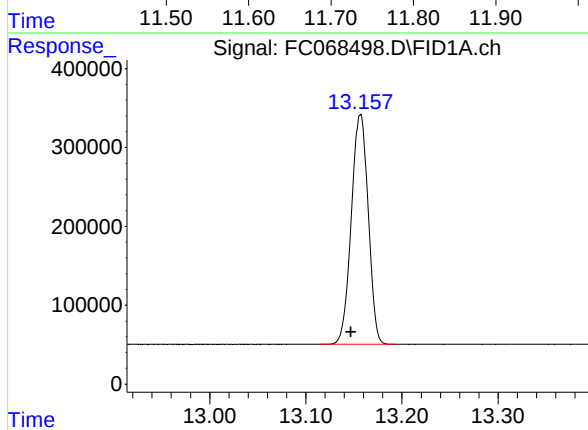




#9 ortho-Terphenyl (SURR)

R.T.: 11.726 min  
Delta R.T.: 0.009 min  
Response: 4743922  
Conc: 36.79 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
PB167477BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.157 min  
Delta R.T.: 0.009 min  
Response: 3572616  
Conc: 38.84 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068498.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 15:00  
 Sample : PB167477BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.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                       | 11.726      | 11.685       | 11.779     | BB       | 436095         | 4743922      | 100.00%        | 57.042%       |
| 2                       | 13.157      | 13.114       | 13.194     | BB       | 291694         | 3572616      | 75.31%         | 42.958%       |
| Sum of corrected areas: |             |              |            |          |                |              | 8316538        |               |

Aliphatic EPH 040225.M Tue Apr 08 03:18:41 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068499.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 15:38  
 Operator : YP/AJ  
 Sample : PB167477BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

## Instrument :

FID\_C

ClientSampleId :

PB167477BS

## Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e

Quant Time: Apr 08 02:34:01 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M

Quant Title : GC Extractables

QLast Update : Mon Apr 07 16:09:59 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)    | 11.723 | 5017440    | 38.909 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 77.82%        |
| 12) S 1-chlorooctadecane (S... | 13.155 | 3829400    | 41.629 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 83.26%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.464  | 4527194    | 40.627 ug/ml  |
| 2) T n-Decane (C10)            | 4.534  | 4837407    | 41.543 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.128  | 5511580    | 44.068 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.555  | 4958100    | 43.841 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.185  | 5022144    | 41.967 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.353  | 4912505    | 44.017 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.954  | 4984029    | 43.594 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.398 | 4949660    | 43.170 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.710 | 5085985    | 46.494 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.322 | 4883757    | 45.790 ug/ml  |
| 13) T n-Docosane (C22)         | 13.909 | 4844280    | 44.869 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.008 | 9965257    | 89.396 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.038 | 4743872    | 42.652 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.987 | 4726739    | 42.689 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.877 | 4634804    | 41.928 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.711 | 4475417    | 42.992 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.496 | 4317114    | 48.077 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.236 | 3968013    | 53.005 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.016 | 3656573    | 58.487 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.000 | 3268804    | 69.965 ug/mlm |
| -----                          |        |            |               |

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

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068499.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 15:38  
Operator : YP/AJ  
Sample : PB167477BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

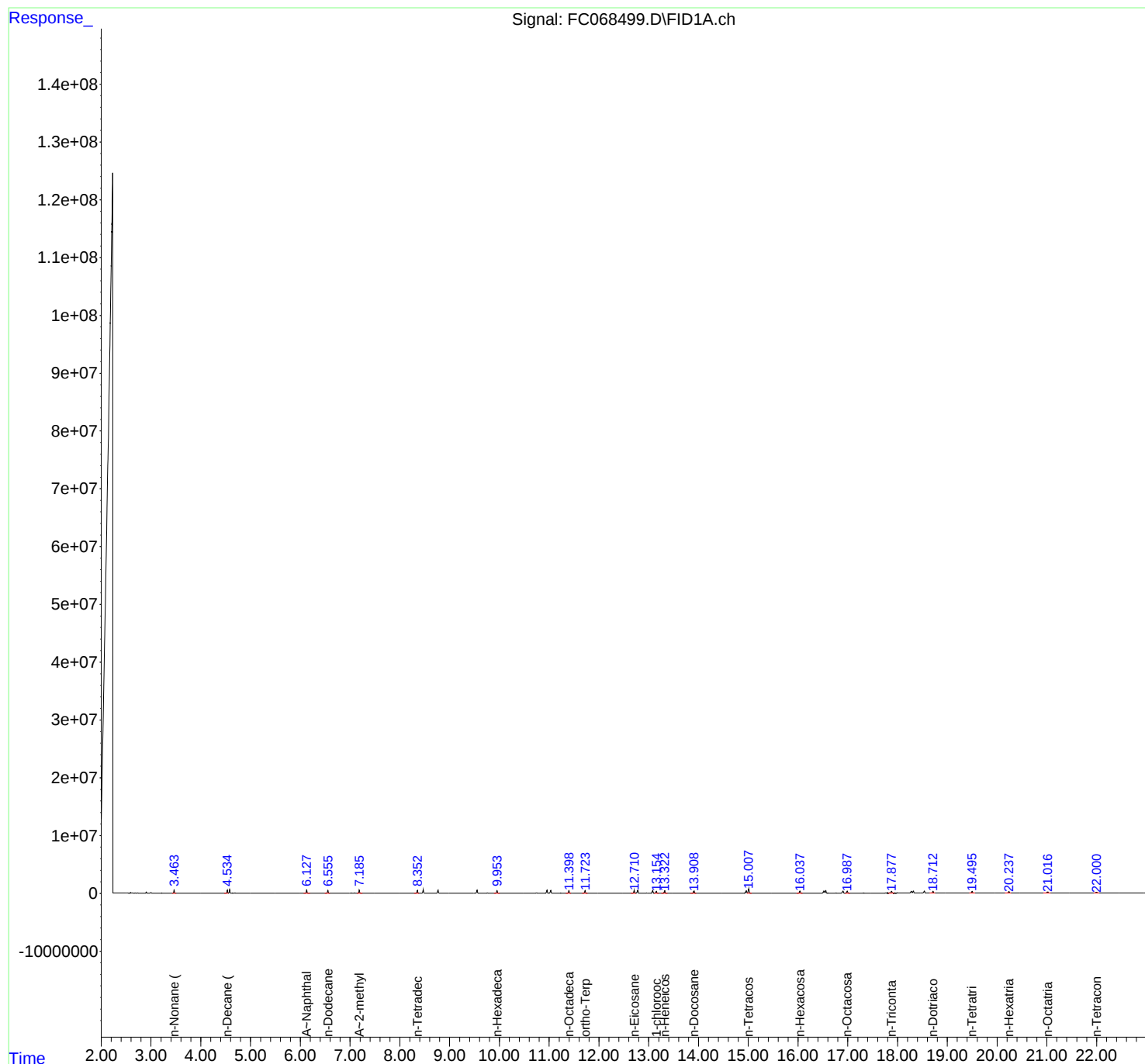
Instrument :  
FID\_C  
ClientSampleId :  
PB167477BS

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 04/08/2025  
Supervised By :mohammad ahmed 04/09/2025

Integration File: autoint1.e  
Quant Time: Apr 08 02:34:01 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 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\_C

ClientSampleId :

PB167477BS

Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

rteres

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC04072  
 Data File : FC068499.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 15:38  
 Sample : PB167477BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.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         | 3.464       | 3.429        | 3.505      | BB       | 546670         | 4527194      | 45.43%         | 2.518%        |
| 2         | 4.534       | 4.470        | 4.557      | BV       | 544019         | 4837407      | 48.54%         | 2.690%        |
| 3         | 4.580       | 4.557        | 4.624      | VV       | 614789         | 5250809      | 52.69%         | 2.920%        |
| 4         | 6.128       | 6.064        | 6.194      | BB       | 601921         | 5511580      | 55.31%         | 3.065%        |
| 5         | 6.555       | 6.490        | 6.594      | BB       | 511436         | 4958100      | 49.75%         | 2.757%        |
| 6         | 7.185       | 7.137        | 7.247      | BB       | 523509         | 5022144      | 50.40%         | 2.793%        |
| 7         | 8.353       | 8.284        | 8.385      | BB       | 481059         | 4912505      | 49.30%         | 2.732%        |
| 8         | 8.471       | 8.404        | 8.519      | BB       | 560218         | 5544472      | 55.64%         | 3.084%        |
| 9         | 8.768       | 8.705        | 8.810      | BB       | 555818         | 5559081      | 55.78%         | 3.092%        |
| 10        | 9.553       | 9.490        | 9.610      | BB       | 547113         | 5610750      | 56.30%         | 3.120%        |
| 11        | 9.954       | 9.889        | 10.007     | BB       | 460776         | 4984029      | 50.01%         | 2.772%        |
| 12        | 10.957      | 10.874       | 10.994     | BV       | 522491         | 5452296      | 54.71%         | 3.032%        |
| 13        | 11.033      | 10.994       | 11.050     | PBA      | 496684         | 5222298      | 52.41%         | 2.904%        |
| 14        | 11.398      | 11.334       | 11.435     | BB       | 449117         | 4949660      | 49.67%         | 2.753%        |
| 15        | 11.723      | 11.664       | 11.769     | BB       | 467739         | 5017440      | 50.35%         | 2.790%        |
| 16        | 12.710      | 12.642       | 12.744     | BV       | 434502         | 5085985      | 51.04%         | 2.829%        |
| 17        | 12.780      | 12.744       | 12.825     | VB       | 476941         | 5455267      | 54.74%         | 3.034%        |
| 18        | 13.080      | 13.007       | 13.108     | BV       | 479155         | 5356971      | 53.76%         | 2.979%        |
| 19        | 13.155      | 13.108       | 13.204     | VB       | 317809         | 3829400      | 38.43%         | 2.130%        |
| 20        | 13.322      | 13.250       | 13.375     | BB       | 403386         | 4883757      | 49.01%         | 2.716%        |
| 21        | 13.909      | 13.839       | 13.954     | BB       | 383709         | 4844280      | 48.61%         | 2.694%        |
| 22        | 14.960      | 14.892       | 14.980     | BV       | 402458         | 5221497      | 52.40%         | 2.904%        |
| 23        | 15.008      | 14.980       | 15.069     | VB       | 767501         | 9965257      | 100.00%        | 5.542%        |
| 24        | 16.038      | 15.972       | 16.090     | BB       | 358784         | 4743872      | 47.60%         | 2.638%        |
| 25        | 16.520      | 16.445       | 16.536     | BV       | 350157         | 5155766      | 51.74%         | 2.867%        |
| 26        | 16.556      | 16.536       | 16.584     | VV       | 447055         | 5127612      | 51.45%         | 2.852%        |
| 27        | 16.903      | 16.825       | 16.942     | BV       | 377907         | 4938496      | 49.56%         | 2.747%        |
| 28        | 16.987      | 16.942       | 17.045     | VB       | 352854         | 4726739      | 47.43%         | 2.629%        |
| 29        | 17.877      | 17.812       | 17.932     | BB       | 341415         | 4634804      | 46.51%         | 2.578%        |
| 30        | 18.278      | 18.195       | 18.293     | BV       | 286393         | 3259300      | 32.71%         | 1.813%        |
| 31        | 18.538      | 18.442       | 18.604     | BB       | 354096         | 5029490      | 50.47%         | 2.797%        |
| 32        | 18.711      | 18.645       | 18.755     | BB       | 311626         | 4475417      | 44.91%         | 2.489%        |
| 33        | 19.496      | 19.440       | 19.555     | BB       | 311085         | 4317114      | 43.32%         | 2.401%        |
| 34        | 20.236      | 20.157       | 20.280     | VV       | 256469         | 3968013      | 39.82%         | 2.207%        |
| 35        | 21.016      | 20.930       | 21.075     | BV       | 197393         | 3656573      | 36.69%         | 2.034%        |
| 36        | 21.998      | 21.922       | 22.062     | PV       | 130997         | 3316975      | 33.29%         | 1.845%        |

37 22.495 22.217 22.594 BB 8382 452451 4.54% 0.252%  
rteres  
Sum of corrected areas: 1798

Aliphatic EPH 040225.M Tue Apr 08 03:21:02 2025

Instrument :

FID\_C

ClientSampleId :

PB167477BS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 04/08/2025

Supervised By :mohammad ahmed 04/09/2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068500.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 16:15  
 Operator : YP/AJ  
 Sample : PB167477BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 PB167477BSD

Integration File: autoint1.e  
 Quant Time: Apr 08 02:34:32 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Apr 07 16:09:59 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)    | 11.726 | 5016735    | 38.904 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 77.81%       |
| 12) S 1-chlorooctadecane (S... | 13.157 | 3861482    | 41.978 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 83.96%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.464  | 4508428    | 40.459 ug/ml |
| 2) T n-Decane (C10)            | 4.535  | 4785213    | 41.095 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.129  | 5453427    | 43.603 ug/ml |
| 4) T n-Dodecane (C12)          | 6.556  | 4901450    | 43.340 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.187  | 4970712    | 41.537 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.354  | 4882699    | 43.750 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.957  | 4983600    | 43.590 ug/ml |
| 8) T n-Octadecane (C18)        | 11.401 | 4975696    | 43.397 ug/ml |
| 10) T n-Eicosane (C20)         | 12.712 | 5134921    | 46.941 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.325 | 4937020    | 46.289 ug/ml |
| 13) T n-Docosane (C22)         | 13.912 | 4897705    | 45.364 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.010 | 10008578   | 89.784 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.040 | 4784492    | 43.017 ug/ml |
| 16) T n-Octacosane (C28)       | 16.988 | 4749112    | 42.891 ug/ml |
| 17) T n-Tricontane (C30)       | 17.879 | 4631669    | 41.899 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.712 | 4418890    | 42.449 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.496 | 4147827    | 46.191 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.236 | 3618863    | 48.341 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.015 | 3235533    | 51.752 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.997 | 3010048    | 64.427 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

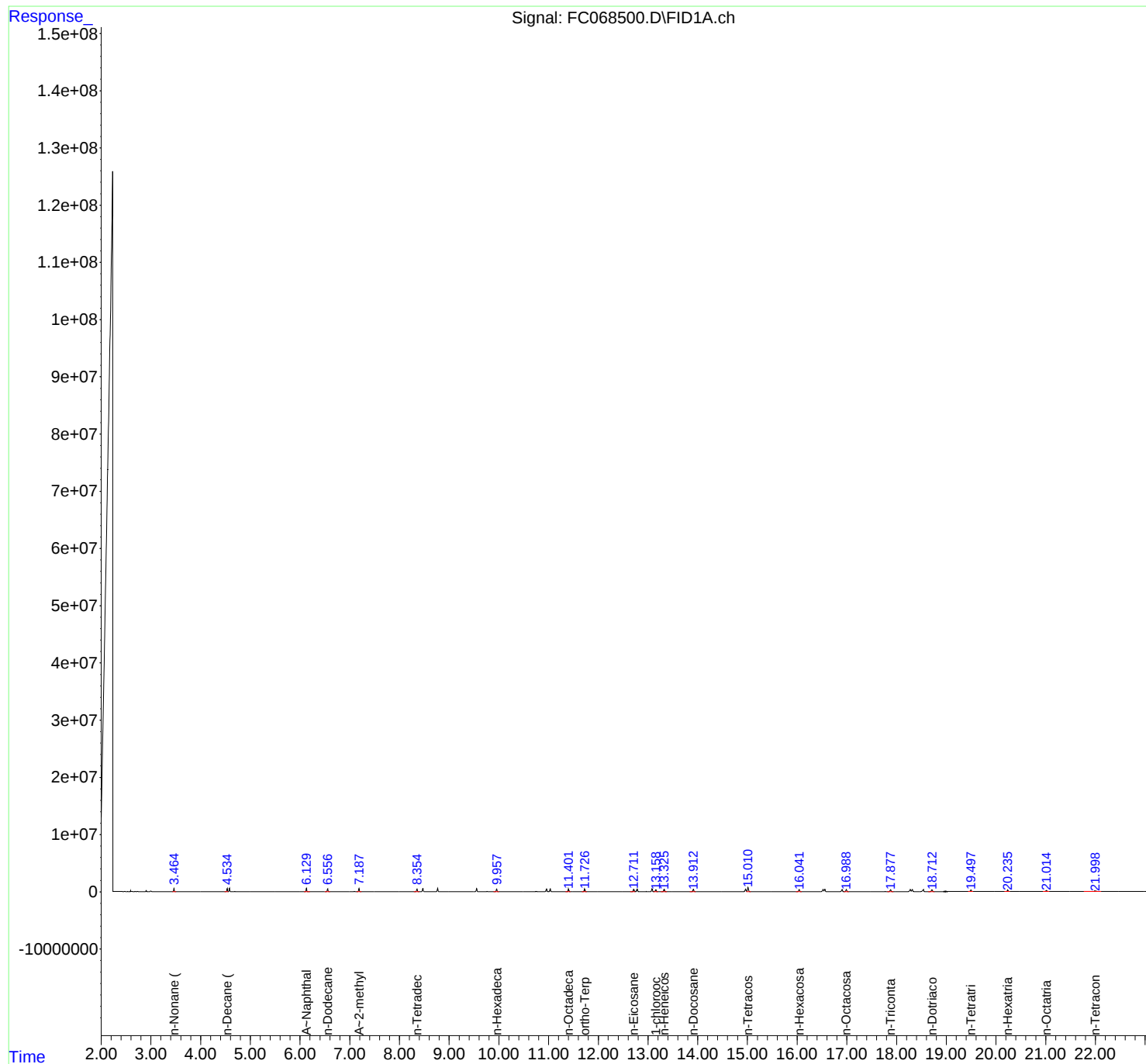
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068500.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 16:15  
Operator : YP/AJ  
Sample : PB167477BSD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB167477BSD

Integration File: autoint1.e  
Quant Time: Apr 08 02:34:32 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068500.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 16:15  
 Sample : PB167477BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.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         | 3.464       | 3.434        | 3.509      | BB       | 547339         | 4508428      | 45.05%         | 2.534%        |
| 2         | 4.535       | 4.480        | 4.557      | BV       | 545784         | 4785213      | 47.81%         | 2.689%        |
| 3         | 4.580       | 4.557        | 4.624      | VV       | 599314         | 5180120      | 51.76%         | 2.911%        |
| 4         | 6.129       | 6.077        | 6.195      | BB       | 604737         | 5453427      | 54.49%         | 3.065%        |
| 5         | 6.556       | 6.495        | 6.600      | BB       | 505570         | 4901450      | 48.97%         | 2.755%        |
| 6         | 7.187       | 7.139        | 7.235      | BB       | 529446         | 4970712      | 49.66%         | 2.793%        |
| 7         | 8.354       | 8.289        | 8.402      | BB       | 477430         | 4882699      | 48.79%         | 2.744%        |
| 8         | 8.472       | 8.417        | 8.510      | BB       | 556109         | 5504828      | 55.00%         | 3.094%        |
| 9         | 8.770       | 8.707        | 8.817      | BB       | 590212         | 5526465      | 55.22%         | 3.106%        |
| 10        | 9.555       | 9.490        | 9.612      | BB       | 547646         | 5590292      | 55.86%         | 3.142%        |
| 11        | 9.957       | 9.890        | 10.004     | BB       | 461372         | 4983600      | 49.79%         | 2.801%        |
| 12        | 10.960      | 10.877       | 11.000     | BV       | 517867         | 5445467      | 54.41%         | 3.060%        |
| 13        | 11.035      | 11.000       | 11.050     | PBA      | 492607         | 4990682      | 49.86%         | 2.805%        |
| 14        | 11.401      | 11.337       | 11.440     | BB       | 446907         | 4975696      | 49.71%         | 2.796%        |
| 15        | 11.726      | 11.667       | 11.769     | BB       | 471226         | 5016735      | 50.12%         | 2.819%        |
| 16        | 12.712      | 12.642       | 12.744     | BV       | 426415         | 5134921      | 51.31%         | 2.886%        |
| 17        | 12.782      | 12.744       | 12.822     | VB       | 473042         | 5450212      | 54.46%         | 3.063%        |
| 18        | 13.082      | 13.009       | 13.110     | BV       | 475840         | 5347864      | 53.43%         | 3.005%        |
| 19        | 13.157      | 13.110       | 13.200     | VB       | 331809         | 3861482      | 38.58%         | 2.170%        |
| 20        | 13.325      | 13.254       | 13.379     | BB       | 412383         | 4937020      | 49.33%         | 2.775%        |
| 21        | 13.912      | 13.842       | 13.959     | BB       | 409351         | 4897705      | 48.94%         | 2.752%        |
| 22        | 14.963      | 14.894       | 14.982     | BV       | 394353         | 5210055      | 52.06%         | 2.928%        |
| 23        | 15.010      | 14.982       | 15.069     | VB       | 756364         | 10008578     | 100.00%        | 5.625%        |
| 24        | 16.040      | 15.974       | 16.089     | BB       | 367294         | 4784492      | 47.80%         | 2.689%        |
| 25        | 16.522      | 16.452       | 16.537     | BV       | 358129         | 5100671      | 50.96%         | 2.867%        |
| 26        | 16.557      | 16.537       | 16.585     | VV       | 417097         | 5104974      | 51.01%         | 2.869%        |
| 27        | 16.904      | 16.825       | 16.939     | BV       | 368516         | 4901599      | 48.97%         | 2.755%        |
| 28        | 16.988      | 16.939       | 17.039     | VB       | 361838         | 4749112      | 47.45%         | 2.669%        |
| 29        | 17.879      | 17.814       | 17.937     | BB       | 339259         | 4631669      | 46.28%         | 2.603%        |
| 30        | 18.279      | 18.194       | 18.294     | BV       | 301770         | 3181963      | 31.79%         | 1.788%        |
| 31        | 18.538      | 18.442       | 18.592     | BB       | 348418         | 4978499      | 49.74%         | 2.798%        |
| 32        | 18.712      | 18.634       | 18.760     | BB       | 321955         | 4418890      | 44.15%         | 2.483%        |
| 33        | 19.496      | 19.440       | 19.539     | BB       | 285385         | 4147827      | 41.44%         | 2.331%        |
| 34        | 20.236      | 20.170       | 20.279     | BV       | 250061         | 3618863      | 36.16%         | 2.034%        |
| 35        | 21.015      | 20.940       | 21.070     | BB       | 177720         | 3235533      | 32.33%         | 1.818%        |
| 36        | 21.997      | 21.767       | 22.117     | BB       | 113250         | 3010048      | 30.07%         | 1.692%        |

| 37 | 22.487 | 22.340 | 22.644 | BB | 9509                    | 510920 | 5.10% | 0.287% |  |           |
|----|--------|--------|--------|----|-------------------------|--------|-------|--------|--|-----------|
|    |        |        |        |    | Sum of corrected areas: |        |       |        |  | 177938711 |

Aliphatic EPH 040225.M Tue Apr 08 03:22:08 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068502.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 17:30  
 Operator : YP/AJ  
 Sample : Q1736-02MS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 GST2MS

Integration File: autoint1.e  
 Quant Time: Apr 08 02:35:35 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Apr 07 16:09:59 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)    | 11.727 | 5146164    | 39.908 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 79.82%       |
| 12) S 1-chlorooctadecane (S... | 13.158 | 3943089    | 42.865 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 85.73%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.465  | 4875280    | 43.751 ug/ml |
| 2) T n-Decane (C10)            | 4.536  | 5158084    | 44.297 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.130  | 5874268    | 46.968 ug/ml |
| 4) T n-Dodecane (C12)          | 6.557  | 5267306    | 46.575 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.188  | 5352196    | 44.725 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.355  | 5232787    | 46.887 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.957  | 5290154    | 46.271 ug/ml |
| 8) T n-Octadecane (C18)        | 11.402 | 5240139    | 45.703 ug/ml |
| 10) T n-Eicosane (C20)         | 12.713 | 5333151    | 48.754 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.326 | 5085493    | 47.681 ug/ml |
| 13) T n-Docosane (C22)         | 13.912 | 5014096    | 46.442 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.011 | 10129364   | 90.868 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.040 | 4773391    | 42.917 ug/ml |
| 16) T n-Octacosane (C28)       | 16.990 | 4630495    | 41.820 ug/ml |
| 17) T n-Tricontane (C30)       | 17.880 | 4550517    | 41.165 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.713 | 4453308    | 42.780 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.498 | 4498977    | 50.102 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.240 | 4404073    | 58.830 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.020 | 4480852    | 71.671 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.005 | 4466916    | 95.610 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

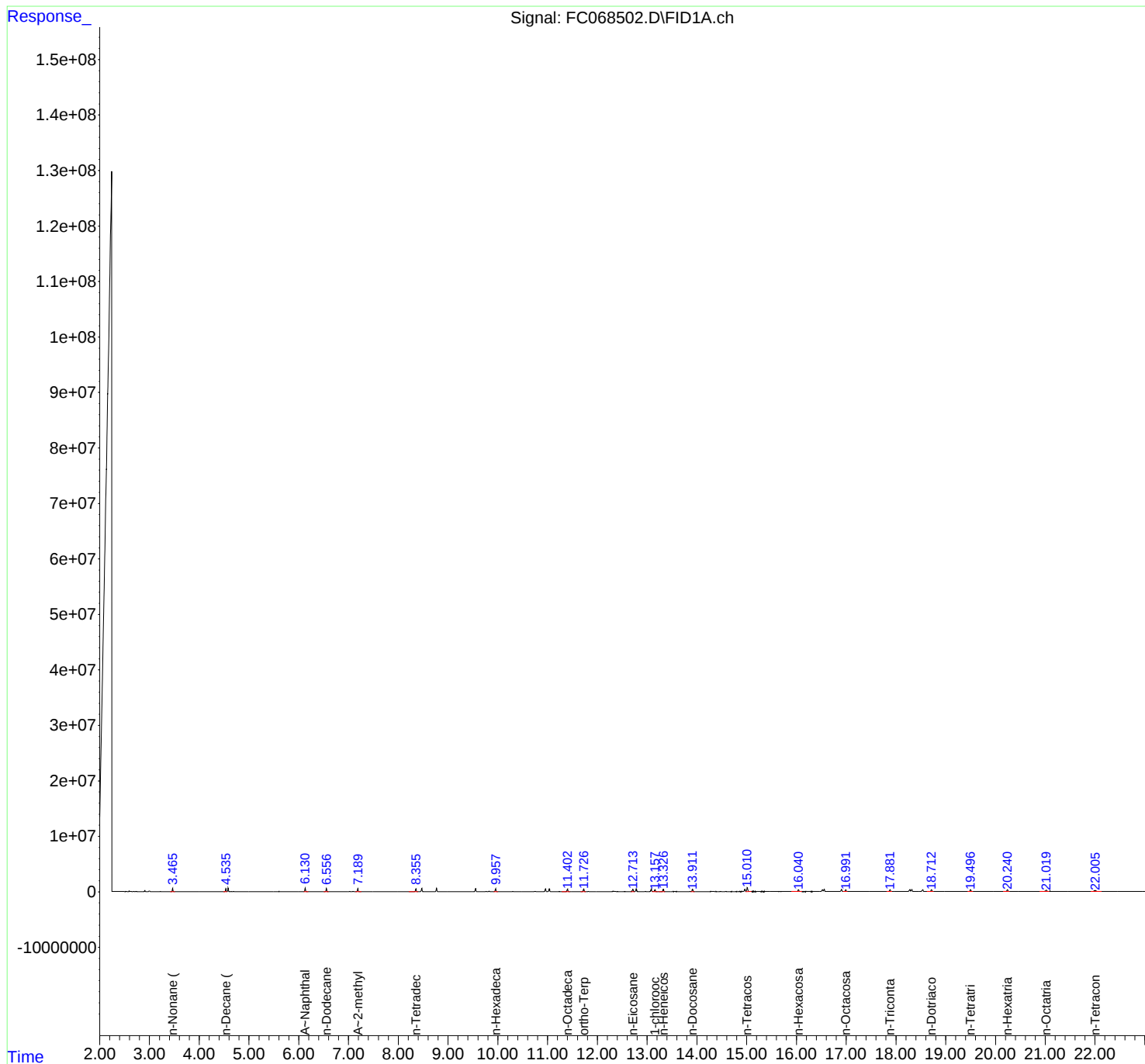
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068502.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 17:30  
Operator : YP/AJ  
Sample : Q1736-02MS  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
GST2MS

Integration File: autoint1.e  
Quant Time: Apr 08 02:35:35 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068502.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 17:30  
 Sample : Q1736-02MS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.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         | 2.381       | 2.321        | 2.407      | BV       | 7453           | 57859        | 0.57%          | 0.026%        |
| 2         | 2.420       | 2.407        | 2.449      | PV       | 8454           | 49149        | 0.48%          | 0.022%        |
| 3         | 2.477       | 2.449        | 2.511      | PV       | 24058          | 204658       | 2.01%          | 0.093%        |
| 4         | 2.535       | 2.511        | 2.553      | PV       | 4384           | 32791        | 0.32%          | 0.015%        |
| 5         | 2.561       | 2.553        | 2.581      | PV       | 402            | 3049         | 0.03%          | 0.001%        |
| 6         | 2.592       | 2.581        | 2.664      | PV       | 93664          | 901695       | 8.84%          | 0.411%        |
| 7         | 2.684       | 2.664        | 2.708      | PV       | 16076          | 130285       | 1.28%          | 0.059%        |
| 8         | 2.731       | 2.708        | 2.774      | VV       | 30626          | 261050       | 2.56%          | 0.119%        |
| 9         | 2.784       | 2.774        | 2.794      | PV       | 219            | 1579         | 0.02%          | 0.001%        |
| 10        | 2.809       | 2.794        | 2.838      | VV       | 1327           | 12602        | 0.12%          | 0.006%        |
| 11        | 2.845       | 2.838        | 2.879      | VV       | 250            | 3878         | 0.04%          | 0.002%        |
| 12        | 2.906       | 2.879        | 2.969      | PV       | 202005         | 1503757      | 14.74%         | 0.685%        |
| 13        | 2.995       | 2.969        | 3.029      | VV       | 114521         | 1350500      | 13.24%         | 0.615%        |
| 14        | 3.046       | 3.029        | 3.081      | VV       | 1528           | 13656        | 0.13%          | 0.006%        |
| 15        | 3.094       | 3.081        | 3.109      | VV       | 111            | 936          | 0.01%          | 0.000%        |
| 16        | 3.131       | 3.109        | 3.142      | VV       | 161            | 1513         | 0.01%          | 0.001%        |
| 17        | 3.156       | 3.142        | 3.165      | VV       | 277            | 2403         | 0.02%          | 0.001%        |
| 18        | 3.171       | 3.165        | 3.193      | VV       | 242            | 2259         | 0.02%          | 0.001%        |
| 19        | 3.220       | 3.193        | 3.243      | VV       | 3877           | 32402        | 0.32%          | 0.015%        |
| 20        | 3.254       | 3.243        | 3.271      | VV       | 469            | 4136         | 0.04%          | 0.002%        |
| 21        | 3.292       | 3.271        | 3.331      | VV       | 265            | 5222         | 0.05%          | 0.002%        |
| 22        | 3.364       | 3.331        | 3.434      | PV       | 618            | 12157        | 0.12%          | 0.006%        |
| 23        | 3.465       | 3.434        | 3.545      | VV       | 583285         | 4880284      | 47.83%         | 2.223%        |
| 24        | 3.592       | 3.545        | 3.631      | PV       | 358            | 6091         | 0.06%          | 0.003%        |
| 25        | 3.667       | 3.631        | 3.694      | VV       | 415            | 8625         | 0.08%          | 0.004%        |
| 26        | 3.713       | 3.694        | 3.722      | VV       | 250            | 2649         | 0.03%          | 0.001%        |
| 27        | 3.760       | 3.722        | 3.821      | VV       | 1830           | 30458        | 0.30%          | 0.014%        |
| 28        | 3.840       | 3.821        | 3.864      | VV       | 186            | 3469         | 0.03%          | 0.002%        |
| 29        | 3.877       | 3.864        | 3.931      | VV       | 166            | 2671         | 0.03%          | 0.001%        |
| 30        | 3.962       | 3.931        | 3.999      | VV       | 419            | 6982         | 0.07%          | 0.003%        |
| 31        | 4.014       | 3.999        | 4.024      | VV       | 123            | 1182         | 0.01%          | 0.001%        |
| 32        | 4.046       | 4.024        | 4.076      | PV       | 329            | 4515         | 0.04%          | 0.002%        |
| 33        | 4.104       | 4.076        | 4.124      | VV       | 3206           | 26041        | 0.26%          | 0.012%        |
| 34        | 4.151       | 4.124        | 4.202      | VV       | 771            | 19352        | 0.19%          | 0.009%        |
| 35        | 4.219       | 4.202        | 4.244      | VV       | 288            | 6027         | 0.06%          | 0.003%        |
| 36        | 4.249       | 4.244        | 4.284      | VV       | 199            | 3399         | 0.03%          | 0.002%        |

|    |       |       |       |    | rteres |         |        |        |
|----|-------|-------|-------|----|--------|---------|--------|--------|
| 37 | 4.301 | 4.284 | 4.317 | VV | 566    | 6305    | 0.06%  | 0.003% |
| 38 | 4.333 | 4.317 | 4.351 | VV | 602    | 6932    | 0.07%  | 0.003% |
| 39 | 4.362 | 4.351 | 4.379 | VV | 471    | 4457    | 0.04%  | 0.002% |
| 40 | 4.397 | 4.379 | 4.412 | VV | 222    | 2831    | 0.03%  | 0.001% |
| 41 | 4.438 | 4.412 | 4.474 | VV | 126    | 2896    | 0.03%  | 0.001% |
| 42 | 4.491 | 4.474 | 4.500 | VV | 100    | 1363    | 0.01%  | 0.001% |
| 43 | 4.536 | 4.500 | 4.558 | VV | 575735 | 5160953 | 50.58% | 2.351% |
| 44 | 4.581 | 4.558 | 4.624 | VV | 640823 | 5579364 | 54.68% | 2.541% |
| 45 | 4.642 | 4.624 | 4.668 | VV | 5630   | 51351   | 0.50%  | 0.023% |
| 46 | 4.688 | 4.668 | 4.728 | VV | 9860   | 89132   | 0.87%  | 0.041% |
| 47 | 4.745 | 4.728 | 4.758 | VV | 228    | 2893    | 0.03%  | 0.001% |
| 48 | 4.765 | 4.758 | 4.773 | VV | 150    | 1427    | 0.01%  | 0.001% |
| 49 | 4.787 | 4.773 | 4.806 | VV | 311    | 4159    | 0.04%  | 0.002% |
| 50 | 4.824 | 4.806 | 4.836 | VV | 325    | 3566    | 0.03%  | 0.002% |
| 51 | 4.870 | 4.836 | 4.897 | VV | 262    | 6637    | 0.07%  | 0.003% |
| 52 | 4.908 | 4.897 | 4.979 | VV | 198    | 5845    | 0.06%  | 0.003% |
| 53 | 5.012 | 4.979 | 5.028 | VV | 198    | 3361    | 0.03%  | 0.002% |
| 54 | 5.040 | 5.028 | 5.055 | VV | 200    | 2018    | 0.02%  | 0.001% |
| 55 | 5.062 | 5.055 | 5.093 | VV | 140    | 2725    | 0.03%  | 0.001% |
| 56 | 5.109 | 5.093 | 5.154 | VV | 223    | 5761    | 0.06%  | 0.003% |
| 57 | 5.174 | 5.154 | 5.204 | VV | 256    | 5185    | 0.05%  | 0.002% |
| 58 | 5.211 | 5.204 | 5.244 | VV | 262    | 3400    | 0.03%  | 0.002% |
| 59 | 5.256 | 5.244 | 5.264 | VV | 200    | 1834    | 0.02%  | 0.001% |
| 60 | 5.281 | 5.264 | 5.324 | VV | 262    | 5236    | 0.05%  | 0.002% |
| 61 | 5.391 | 5.324 | 5.455 | PV | 3226   | 36049   | 0.35%  | 0.016% |
| 62 | 5.466 | 5.455 | 5.481 | VV | 189    | 2210    | 0.02%  | 0.001% |
| 63 | 5.490 | 5.481 | 5.507 | VV | 136    | 1426    | 0.01%  | 0.001% |
| 64 | 5.527 | 5.507 | 5.554 | VV | 166    | 3310    | 0.03%  | 0.002% |
| 65 | 5.571 | 5.554 | 5.588 | VV | 1621   | 16226   | 0.16%  | 0.007% |
| 66 | 5.601 | 5.588 | 5.663 | VV | 3921   | 40959   | 0.40%  | 0.019% |
| 67 | 5.683 | 5.663 | 5.724 | VV | 440    | 7874    | 0.08%  | 0.004% |
| 68 | 5.729 | 5.724 | 5.735 | VV | 171    | 881     | 0.01%  | 0.000% |
| 69 | 5.746 | 5.735 | 5.784 | VV | 149    | 3639    | 0.04%  | 0.002% |
| 70 | 5.804 | 5.784 | 5.829 | VV | 394    | 7267    | 0.07%  | 0.003% |
| 71 | 5.836 | 5.829 | 5.867 | VV | 233    | 4061    | 0.04%  | 0.002% |
| 72 | 5.877 | 5.867 | 5.907 | VV | 295    | 4709    | 0.05%  | 0.002% |
| 73 | 5.944 | 5.907 | 5.954 | VV | 317    | 7505    | 0.07%  | 0.003% |
| 74 | 5.973 | 5.954 | 6.008 | VV | 343    | 8343    | 0.08%  | 0.004% |
| 75 | 6.018 | 6.008 | 6.043 | VV | 251    | 4445    | 0.04%  | 0.002% |
| 76 | 6.085 | 6.043 | 6.100 | VV | 1491   | 21715   | 0.21%  | 0.010% |
| 77 | 6.130 | 6.100 | 6.168 | VV | 652856 | 5886895 | 57.70% | 2.681% |
| 78 | 6.174 | 6.168 | 6.188 | VV | 1073   | 10908   | 0.11%  | 0.005% |
| 79 | 6.198 | 6.188 | 6.251 | VV | 755    | 20469   | 0.20%  | 0.009% |
| 80 | 6.272 | 6.251 | 6.314 | VV | 588    | 15147   | 0.15%  | 0.007% |
| 81 | 6.323 | 6.314 | 6.370 | VV | 379    | 9846    | 0.10%  | 0.004% |
| 82 | 6.400 | 6.370 | 6.421 | VV | 1971   | 27138   | 0.27%  | 0.012% |
| 83 | 6.431 | 6.421 | 6.477 | VV | 555    | 12807   | 0.13%  | 0.006% |
| 84 | 6.497 | 6.477 | 6.524 | VV | 298    | 6423    | 0.06%  | 0.003% |
| 85 | 6.557 | 6.524 | 6.607 | VV | 550974 | 5276894 | 51.72% | 2.404% |
| 86 | 6.626 | 6.607 | 6.661 | VV | 2326   | 26095   | 0.26%  | 0.012% |
| 87 | 6.675 | 6.661 | 6.687 | VV | 217    | 2991    | 0.03%  | 0.001% |
| 88 | 6.706 | 6.687 | 6.739 | VV | 575    | 9355    | 0.09%  | 0.004% |
| 89 | 6.759 | 6.739 | 6.791 | VV | 234    | 5313    | 0.05%  | 0.002% |

|     |       |       |       |    | rt     | ret     | area   | %area  |
|-----|-------|-------|-------|----|--------|---------|--------|--------|
| 90  | 6.844 | 6.791 | 6.864 | VV | 456    | 12666   | 0.12%  | 0.006% |
| 91  | 6.880 | 6.864 | 6.901 | VV | 360    | 5786    | 0.06%  | 0.003% |
| 92  | 6.975 | 6.901 | 6.990 | VV | 472    | 12603   | 0.12%  | 0.006% |
| 93  | 7.025 | 6.990 | 7.058 | VV | 6462   | 68357   | 0.67%  | 0.031% |
| 94  | 7.092 | 7.058 | 7.144 | VV | 15017  | 151967  | 1.49%  | 0.069% |
| 95  | 7.188 | 7.144 | 7.298 | VV | 557215 | 5372524 | 52.66% | 2.447% |
| 96  | 7.324 | 7.298 | 7.340 | VV | 2050   | 24522   | 0.24%  | 0.011% |
| 97  | 7.375 | 7.340 | 7.391 | VV | 3034   | 43657   | 0.43%  | 0.020% |
| 98  | 7.401 | 7.391 | 7.435 | VV | 1330   | 19889   | 0.19%  | 0.009% |
| 99  | 7.451 | 7.435 | 7.463 | VV | 1311   | 13582   | 0.13%  | 0.006% |
| 100 | 7.478 | 7.463 | 7.504 | VV | 1868   | 22502   | 0.22%  | 0.010% |
| 101 | 7.524 | 7.504 | 7.535 | VV | 562    | 6763    | 0.07%  | 0.003% |
| 102 | 7.547 | 7.535 | 7.564 | VV | 564    | 7539    | 0.07%  | 0.003% |
| 103 | 7.575 | 7.564 | 7.593 | VV | 566    | 6261    | 0.06%  | 0.003% |
| 104 | 7.604 | 7.593 | 7.618 | VV | 228    | 2564    | 0.03%  | 0.001% |
| 105 | 7.659 | 7.618 | 7.687 | VV | 737    | 12878   | 0.13%  | 0.006% |
| 106 | 7.703 | 7.687 | 7.751 | VV | 481    | 9384    | 0.09%  | 0.004% |
| 107 | 7.775 | 7.751 | 7.796 | VV | 883    | 12800   | 0.13%  | 0.006% |
| 108 | 7.814 | 7.796 | 7.861 | VV | 306    | 8300    | 0.08%  | 0.004% |
| 109 | 7.904 | 7.861 | 7.920 | VV | 545    | 11004   | 0.11%  | 0.005% |
| 110 | 7.938 | 7.920 | 7.952 | VV | 1197   | 14665   | 0.14%  | 0.007% |
| 111 | 7.962 | 7.952 | 8.021 | VV | 685    | 16315   | 0.16%  | 0.007% |
| 112 | 8.047 | 8.021 | 8.081 | VV | 1770   | 24094   | 0.24%  | 0.011% |
| 113 | 8.104 | 8.081 | 8.158 | VV | 1212   | 20000   | 0.20%  | 0.009% |
| 114 | 8.172 | 8.158 | 8.184 | VV | 178    | 2916    | 0.03%  | 0.001% |
| 115 | 8.217 | 8.184 | 8.231 | VV | 295    | 6113    | 0.06%  | 0.003% |
| 116 | 8.248 | 8.231 | 8.277 | VV | 703    | 12812   | 0.13%  | 0.006% |
| 117 | 8.355 | 8.277 | 8.396 | VV | 495285 | 5233933 | 51.30% | 2.384% |
| 118 | 8.415 | 8.396 | 8.431 | VV | 298    | 4601    | 0.05%  | 0.002% |
| 119 | 8.473 | 8.431 | 8.521 | VV | 598693 | 5863816 | 57.47% | 2.671% |
| 120 | 8.540 | 8.521 | 8.555 | VV | 367    | 5341    | 0.05%  | 0.002% |
| 121 | 8.580 | 8.555 | 8.640 | VV | 629    | 11512   | 0.11%  | 0.005% |
| 122 | 8.650 | 8.640 | 8.694 | VV | 120    | 2428    | 0.02%  | 0.001% |
| 123 | 8.718 | 8.694 | 8.738 | PV | 477    | 4837    | 0.05%  | 0.002% |
| 124 | 8.770 | 8.738 | 8.804 | VV | 602958 | 5892336 | 57.75% | 2.684% |
| 125 | 8.827 | 8.804 | 8.867 | VV | 524    | 12001   | 0.12%  | 0.005% |
| 126 | 8.886 | 8.867 | 8.930 | VV | 398    | 7159    | 0.07%  | 0.003% |
| 127 | 8.959 | 8.930 | 8.994 | VV | 873    | 12072   | 0.12%  | 0.005% |
| 128 | 9.037 | 8.994 | 9.055 | VV | 968    | 12719   | 0.12%  | 0.006% |
| 129 | 9.089 | 9.055 | 9.128 | VV | 610    | 12846   | 0.13%  | 0.006% |
| 130 | 9.135 | 9.128 | 9.147 | VV | 183    | 1506    | 0.01%  | 0.001% |
| 131 | 9.174 | 9.147 | 9.238 | VV | 970    | 20561   | 0.20%  | 0.009% |
| 132 | 9.245 | 9.238 | 9.278 | VV | 146    | 3124    | 0.03%  | 0.001% |
| 133 | 9.282 | 9.278 | 9.319 | VV | 166    | 2519    | 0.02%  | 0.001% |
| 134 | 9.371 | 9.335 | 9.398 | PV | 219    | 4421    | 0.04%  | 0.002% |
| 135 | 9.436 | 9.398 | 9.451 | VV | 218    | 4479    | 0.04%  | 0.002% |
| 136 | 9.475 | 9.451 | 9.486 | VV | 290    | 3863    | 0.04%  | 0.002% |
| 137 | 9.509 | 9.486 | 9.519 | VV | 874    | 10785   | 0.11%  | 0.005% |
| 138 | 9.555 | 9.519 | 9.583 | VV | 569751 | 5949691 | 58.31% | 2.710% |
| 139 | 9.594 | 9.583 | 9.631 | VV | 696    | 11963   | 0.12%  | 0.005% |
| 140 | 9.639 | 9.631 | 9.663 | VV | 279    | 4143    | 0.04%  | 0.002% |
| 141 | 9.695 | 9.663 | 9.707 | VV | 484    | 8391    | 0.08%  | 0.004% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.730  | 9.707  | 9.748  | VV | 1814   | 27608   | 0.27%  | 0.013% |
| 143    | 9.765  | 9.748  | 9.800  | VV | 9238   | 98106   | 0.96%  | 0.045% |
| 144    | 9.827  | 9.800  | 9.873  | VV | 64085  | 654300  | 6.41%  | 0.298% |
| 145    | 9.890  | 9.873  | 9.918  | VV | 921    | 12082   | 0.12%  | 0.006% |
| 146    | 9.957  | 9.918  | 10.010 | VV | 496463 | 5293456 | 51.88% | 2.411% |
| 147    | 10.022 | 10.010 | 10.034 | VV | 163    | 1906    | 0.02%  | 0.001% |
| 148    | 10.055 | 10.034 | 10.161 | VV | 414    | 10175   | 0.10%  | 0.005% |
| 149    | 10.174 | 10.161 | 10.201 | VV | 95     | 911     | 0.01%  | 0.000% |
| 150    | 10.237 | 10.201 | 10.264 | PV | 186    | 3406    | 0.03%  | 0.002% |
| 151    | 10.302 | 10.264 | 10.331 | VV | 6115   | 68320   | 0.67%  | 0.031% |
| 152    | 10.369 | 10.331 | 10.381 | VV | 279    | 6150    | 0.06%  | 0.003% |
| 153    | 10.400 | 10.381 | 10.424 | VV | 272    | 5310    | 0.05%  | 0.002% |
| 154    | 10.434 | 10.424 | 10.451 | VV | 184    | 2494    | 0.02%  | 0.001% |
| 155    | 10.470 | 10.451 | 10.497 | VV | 177    | 3165    | 0.03%  | 0.001% |
| 156    | 10.561 | 10.497 | 10.607 | VV | 406    | 10256   | 0.10%  | 0.005% |
| 157    | 10.649 | 10.607 | 10.668 | VV | 842    | 13272   | 0.13%  | 0.006% |
| 158    | 10.691 | 10.668 | 10.716 | VV | 1038   | 16031   | 0.16%  | 0.007% |
| 159    | 10.746 | 10.716 | 10.782 | VV | 11287  | 162207  | 1.59%  | 0.074% |
| 160    | 10.797 | 10.782 | 10.816 | VV | 305    | 4262    | 0.04%  | 0.002% |
| 161    | 10.837 | 10.816 | 10.888 | VV | 249    | 3704    | 0.04%  | 0.002% |
| 162    | 10.960 | 10.888 | 10.996 | PV | 545381 | 5744405 | 56.30% | 2.617% |
| 163    | 11.036 | 10.996 | 11.090 | VV | 534180 | 5622992 | 55.11% | 2.561% |
| 164    | 11.108 | 11.090 | 11.144 | VV | 991    | 14834   | 0.15%  | 0.007% |
| 165    | 11.150 | 11.144 | 11.159 | VV | 204    | 1733    | 0.02%  | 0.001% |
| 166    | 11.203 | 11.159 | 11.218 | VV | 1113   | 15581   | 0.15%  | 0.007% |
| 167    | 11.238 | 11.218 | 11.311 | VV | 3666   | 39715   | 0.39%  | 0.018% |
| 168    | 11.330 | 11.311 | 11.351 | PV | 393    | 5513    | 0.05%  | 0.003% |
| 169    | 11.402 | 11.351 | 11.444 | VV | 455555 | 5232505 | 51.28% | 2.383% |
| 170    | 11.478 | 11.444 | 11.524 | PV | 441    | 7291    | 0.07%  | 0.003% |
| 171    | 11.566 | 11.524 | 11.577 | VV | 316    | 4150    | 0.04%  | 0.002% |
| 172    | 11.591 | 11.577 | 11.626 | VV | 249    | 3373    | 0.03%  | 0.002% |
| 173    | 11.727 | 11.626 | 11.771 | PV | 477697 | 5156217 | 50.54% | 2.349% |
| 174    | 11.818 | 11.771 | 11.871 | VV | 4361   | 94465   | 0.93%  | 0.043% |
| 175    | 11.887 | 11.871 | 11.921 | VV | 1357   | 23601   | 0.23%  | 0.011% |
| 176    | 11.935 | 11.921 | 11.981 | VV | 560    | 13560   | 0.13%  | 0.006% |
| 177    | 12.002 | 11.981 | 12.028 | VV | 1052   | 15753   | 0.15%  | 0.007% |
| 178    | 12.060 | 12.028 | 12.095 | VV | 1054   | 27263   | 0.27%  | 0.012% |
| 179    | 12.111 | 12.095 | 12.139 | VV | 878    | 15636   | 0.15%  | 0.007% |
| 180    | 12.167 | 12.139 | 12.193 | VV | 924    | 19518   | 0.19%  | 0.009% |
| 181    | 12.222 | 12.193 | 12.235 | VV | 532    | 10849   | 0.11%  | 0.005% |
| 182    | 12.318 | 12.235 | 12.388 | VV | 78101  | 1017794 | 9.98%  | 0.464% |
| 183    | 12.404 | 12.388 | 12.425 | VV | 2815   | 47019   | 0.46%  | 0.021% |
| 184    | 12.433 | 12.425 | 12.481 | VV | 1409   | 37478   | 0.37%  | 0.017% |
| 185    | 12.499 | 12.481 | 12.511 | VV | 945    | 16163   | 0.16%  | 0.007% |
| 186    | 12.552 | 12.511 | 12.587 | VV | 2801   | 65511   | 0.64%  | 0.030% |
| 187    | 12.599 | 12.587 | 12.616 | VV | 456    | 6056    | 0.06%  | 0.003% |
| 188    | 12.653 | 12.616 | 12.678 | VV | 928    | 19635   | 0.19%  | 0.009% |
| 189    | 12.713 | 12.678 | 12.745 | VV | 442992 | 5342762 | 52.37% | 2.434% |
| 190    | 12.783 | 12.745 | 12.860 | VV | 511789 | 5721415 | 56.08% | 2.606% |
| 191    | 12.878 | 12.860 | 12.897 | VV | 310    | 4118    | 0.04%  | 0.002% |
| 192    | 12.921 | 12.897 | 12.934 | VV | 180    | 2528    | 0.02%  | 0.001% |
| 193    | 12.964 | 12.934 | 13.006 | VV | 6157   | 70500   | 0.69%  | 0.032% |
| 194    | 13.020 | 13.006 | 13.040 | VV | 287    | 3724    | 0.04%  | 0.002% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 195    | 13.083 | 13.040 | 13.106 | VV | 489743 | 5522206  | 54.12%  | 2.515% |
| 196    | 13.158 | 13.106 | 13.227 | VV | 323893 | 3953979  | 38.75%  | 1.801% |
| 197    | 13.272 | 13.227 | 13.287 | VV | 487    | 8168     | 0.08%   | 0.004% |
| 198    | 13.326 | 13.287 | 13.359 | VV | 423819 | 5104784  | 50.03%  | 2.325% |
| 199    | 13.371 | 13.359 | 13.379 | VV | 749    | 8430     | 0.08%   | 0.004% |
| 200    | 13.402 | 13.379 | 13.439 | VV | 1018   | 28836    | 0.28%   | 0.013% |
| 201    | 13.443 | 13.439 | 13.478 | VV | 744    | 13394    | 0.13%   | 0.006% |
| 202    | 13.550 | 13.478 | 13.651 | VV | 18975  | 327728   | 3.21%   | 0.149% |
| 203    | 13.670 | 13.651 | 13.681 | VV | 737    | 12237    | 0.12%   | 0.006% |
| 204    | 13.699 | 13.681 | 13.721 | VV | 841    | 16132    | 0.16%   | 0.007% |
| 205    | 13.751 | 13.721 | 13.794 | VV | 1213   | 28442    | 0.28%   | 0.013% |
| 206    | 13.805 | 13.794 | 13.827 | VV | 246    | 4739     | 0.05%   | 0.002% |
| 207    | 13.861 | 13.827 | 13.877 | VV | 2798   | 36769    | 0.36%   | 0.017% |
| 208    | 13.912 | 13.877 | 14.012 | VV | 413736 | 5027882  | 49.28%  | 2.290% |
| 209    | 14.038 | 14.012 | 14.062 | PV | 1168   | 14390    | 0.14%   | 0.007% |
| 210    | 14.088 | 14.062 | 14.106 | VV | 606    | 8195     | 0.08%   | 0.004% |
| 211    | 14.141 | 14.106 | 14.161 | VV | 282    | 7202     | 0.07%   | 0.003% |
| 212    | 14.168 | 14.161 | 14.186 | VV | 330    | 3557     | 0.03%   | 0.002% |
| 213    | 14.209 | 14.186 | 14.230 | VV | 567    | 9638     | 0.09%   | 0.004% |
| 214    | 14.310 | 14.230 | 14.384 | VV | 5908   | 189463   | 1.86%   | 0.086% |
| 215    | 14.388 | 14.384 | 14.395 | VV | 1425   | 5781     | 0.06%   | 0.003% |
| 216    | 14.412 | 14.395 | 14.453 | VV | 949    | 29306    | 0.29%   | 0.013% |
| 217    | 14.476 | 14.453 | 14.549 | VV | 2239   | 57825    | 0.57%   | 0.026% |
| 218    | 14.578 | 14.549 | 14.616 | VV | 3016   | 52382    | 0.51%   | 0.024% |
| 219    | 14.639 | 14.616 | 14.660 | VV | 681    | 13971    | 0.14%   | 0.006% |
| 220    | 14.693 | 14.660 | 14.734 | VV | 1478   | 33265    | 0.33%   | 0.015% |
| 221    | 14.790 | 14.734 | 14.824 | VV | 1325   | 45082    | 0.44%   | 0.021% |
| 222    | 14.854 | 14.824 | 14.864 | VV | 1322   | 23505    | 0.23%   | 0.011% |
| 223    | 14.880 | 14.864 | 14.895 | VV | 1242   | 21669    | 0.21%   | 0.010% |
| 224    | 14.964 | 14.895 | 14.983 | VV | 428952 | 5493447  | 53.84%  | 2.502% |
| 225    | 15.011 | 14.983 | 15.114 | VV | 710366 | 10202910 | 100.00% | 4.647% |
| 226    | 15.125 | 15.114 | 15.134 | VV | 849    | 9917     | 0.10%   | 0.005% |
| 227    | 15.158 | 15.134 | 15.178 | VV | 1100   | 23765    | 0.23%   | 0.011% |
| 228    | 15.201 | 15.178 | 15.244 | VV | 2501   | 62082    | 0.61%   | 0.028% |
| 229    | 15.255 | 15.244 | 15.304 | VV | 1114   | 35103    | 0.34%   | 0.016% |
| 230    | 15.325 | 15.304 | 15.338 | VV | 823    | 16015    | 0.16%   | 0.007% |
| 231    | 15.348 | 15.338 | 15.363 | VV | 789    | 10990    | 0.11%   | 0.005% |
| 232    | 15.398 | 15.363 | 15.481 | VV | 16865  | 362188   | 3.55%   | 0.165% |
| 233    | 15.495 | 15.481 | 15.504 | VV | 938    | 12037    | 0.12%   | 0.005% |
| 234    | 15.534 | 15.504 | 15.572 | VV | 2237   | 59319    | 0.58%   | 0.027% |
| 235    | 15.615 | 15.572 | 15.646 | VV | 1729   | 45883    | 0.45%   | 0.021% |
| 236    | 15.666 | 15.646 | 15.694 | VV | 775    | 18990    | 0.19%   | 0.009% |
| 237    | 15.721 | 15.694 | 15.747 | VV | 766    | 21161    | 0.21%   | 0.010% |
| 238    | 15.770 | 15.747 | 15.787 | VV | 733    | 15764    | 0.15%   | 0.007% |
| 239    | 15.802 | 15.787 | 15.821 | VV | 716    | 13082    | 0.13%   | 0.006% |
| 240    | 15.868 | 15.821 | 15.907 | VV | 1602   | 51120    | 0.50%   | 0.023% |
| 241    | 15.928 | 15.907 | 15.977 | VV | 904    | 28246    | 0.28%   | 0.013% |
| 242    | 16.040 | 15.977 | 16.121 | VV | 358419 | 4789930  | 46.95%  | 2.182% |
| 243    | 16.137 | 16.121 | 16.157 | VV | 317    | 4580     | 0.04%   | 0.002% |
| 244    | 16.211 | 16.157 | 16.224 | VV | 672    | 14007    | 0.14%   | 0.006% |
| 245    | 16.246 | 16.224 | 16.305 | VV | 984    | 19792    | 0.19%   | 0.009% |
| 246    | 16.343 | 16.305 | 16.371 | PV | 523    | 11232    | 0.11%   | 0.005% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 247    | 16.418 | 16.371 | 16.471 | VV | 1406   | 38919   | 0.38%  | 0.018% |
| 248    | 16.523 | 16.471 | 16.539 | VV | 343734 | 5166235 | 50.63% | 2.353% |
| 249    | 16.559 | 16.539 | 16.585 | VV | 425913 | 5151867 | 50.49% | 2.347% |
| 250    | 16.601 | 16.585 | 16.634 | VV | 2596   | 38096   | 0.37%  | 0.017% |
| 251    | 16.652 | 16.634 | 16.667 | VV | 335    | 4263    | 0.04%  | 0.002% |
| 252    | 16.697 | 16.667 | 16.735 | VV | 309    | 8503    | 0.08%  | 0.004% |
| 253    | 16.765 | 16.735 | 16.796 | VV | 2380   | 29817   | 0.29%  | 0.014% |
| 254    | 16.906 | 16.796 | 16.938 | PV | 361362 | 4920251 | 48.22% | 2.241% |
| 255    | 16.990 | 16.938 | 17.024 | VV | 361524 | 4669444 | 45.77% | 2.127% |
| 256    | 17.040 | 17.024 | 17.085 | VV | 2458   | 37003   | 0.36%  | 0.017% |
| 257    | 17.195 | 17.085 | 17.206 | PV | 190    | 8741    | 0.09%  | 0.004% |
| 258    | 17.250 | 17.206 | 17.276 | VV | 456    | 10126   | 0.10%  | 0.005% |
| 259    | 17.317 | 17.276 | 17.344 | PV | 1812   | 27131   | 0.27%  | 0.012% |
| 260    | 17.363 | 17.344 | 17.401 | VV | 697    | 13528   | 0.13%  | 0.006% |
| 261    | 17.436 | 17.401 | 17.468 | VV | 2293   | 38076   | 0.37%  | 0.017% |
| 262    | 17.483 | 17.468 | 17.494 | PV | 105    | 817     | 0.01%  | 0.000% |
| 263    | 17.583 | 17.494 | 17.630 | PV | 585    | 21353   | 0.21%  | 0.010% |
| 264    | 17.671 | 17.630 | 17.690 | PV | 451    | 7307    | 0.07%  | 0.003% |
| 265    | 17.719 | 17.690 | 17.727 | PV | 392    | 4447    | 0.04%  | 0.002% |
| 266    | 17.768 | 17.727 | 17.799 | VV | 3853   | 58538   | 0.57%  | 0.027% |
| 267    | 17.880 | 17.799 | 17.921 | VV | 331685 | 4558826 | 44.68% | 2.077% |
| 268    | 17.967 | 17.921 | 17.991 | VV | 726    | 20111   | 0.20%  | 0.009% |
| 269    | 18.035 | 17.991 | 18.056 | VV | 2376   | 38729   | 0.38%  | 0.018% |
| 270    | 18.066 | 18.056 | 18.096 | VV | 1031   | 18768   | 0.18%  | 0.009% |
| 271    | 18.118 | 18.096 | 18.171 | VV | 940    | 26468   | 0.26%  | 0.012% |
| 272    | 18.178 | 18.171 | 18.184 | VV | 632    | 4220    | 0.04%  | 0.002% |
| 273    | 18.280 | 18.184 | 18.296 | VV | 376679 | 5577100 | 54.66% | 2.540% |
| 274    | 18.320 | 18.296 | 18.375 | VV | 385251 | 5013507 | 49.14% | 2.284% |
| 275    | 18.409 | 18.375 | 18.465 | VV | 3605   | 110230  | 1.08%  | 0.050% |
| 276    | 18.539 | 18.465 | 18.645 | VV | 356589 | 5221924 | 51.18% | 2.379% |
| 277    | 18.713 | 18.645 | 18.755 | VV | 313618 | 4568947 | 44.78% | 2.081% |
| 278    | 18.834 | 18.755 | 18.856 | VV | 3934   | 157390  | 1.54%  | 0.072% |
| 279    | 18.878 | 18.856 | 18.918 | VV | 3818   | 114623  | 1.12%  | 0.052% |
| 280    | 18.924 | 18.918 | 18.938 | VV | 2661   | 30509   | 0.30%  | 0.014% |
| 281    | 19.010 | 18.938 | 19.025 | VV | 3169   | 152718  | 1.50%  | 0.070% |
| 282    | 19.072 | 19.025 | 19.098 | VV | 11080  | 283763  | 2.78%  | 0.129% |
| 283    | 19.104 | 19.098 | 19.194 | VV | 7836   | 297774  | 2.92%  | 0.136% |
| 284    | 19.230 | 19.194 | 19.255 | VV | 4651   | 152626  | 1.50%  | 0.070% |
| 285    | 19.305 | 19.255 | 19.324 | VV | 4929   | 184221  | 1.81%  | 0.084% |
| 286    | 19.409 | 19.324 | 19.424 | VV | 5244   | 284974  | 2.79%  | 0.130% |
| 287    | 19.433 | 19.424 | 19.444 | VV | 5052   | 57739   | 0.57%  | 0.026% |
| 288    | 19.498 | 19.444 | 19.551 | VV | 307575 | 4834165 | 47.38% | 2.202% |
| 289    | 19.605 | 19.551 | 19.636 | VV | 8342   | 362188  | 3.55%  | 0.165% |
| 290    | 19.675 | 19.636 | 19.698 | VV | 8364   | 280427  | 2.75%  | 0.128% |
| 291    | 19.745 | 19.698 | 19.758 | VV | 8024   | 273508  | 2.68%  | 0.125% |
| 292    | 19.777 | 19.758 | 19.830 | VV | 8071   | 342360  | 3.36%  | 0.156% |
| 293    | 19.871 | 19.830 | 19.908 | VV | 10323  | 417658  | 4.09%  | 0.190% |
| 294    | 19.914 | 19.908 | 19.939 | VV | 8836   | 157796  | 1.55%  | 0.072% |
| 295    | 19.983 | 19.939 | 19.997 | VV | 9925   | 312641  | 3.06%  | 0.142% |
| 296    | 20.026 | 19.997 | 20.063 | VV | 9543   | 372224  | 3.65%  | 0.170% |
| 297    | 20.101 | 20.063 | 20.118 | VV | 14139  | 336979  | 3.30%  | 0.153% |
| 298    | 20.138 | 20.118 | 20.152 | VV | 11564  | 228533  | 2.24%  | 0.104% |
| 299    | 20.164 | 20.152 | 20.173 | VV | 10929  | 133615  | 1.31%  | 0.061% |

| rteres                  |        |        |        |    |           |         |        |        |
|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|
| 300                     | 20.240 | 20.173 | 20.284 | VV | 308902    | 5089919 | 49.89% | 2.318% |
| 301                     | 20.300 | 20.284 | 20.311 | VV | 11429     | 180471  | 1.77%  | 0.082% |
| 302                     | 20.344 | 20.311 | 20.358 | VV | 11865     | 320997  | 3.15%  | 0.146% |
| 303                     | 20.378 | 20.358 | 20.394 | VV | 14464     | 295371  | 2.89%  | 0.135% |
| 304                     | 20.402 | 20.394 | 20.442 | VV | 13912     | 365314  | 3.58%  | 0.166% |
| 305                     | 20.457 | 20.442 | 20.501 | VV | 12266     | 405820  | 3.98%  | 0.185% |
| 306                     | 20.526 | 20.501 | 20.539 | VV | 10555     | 230106  | 2.26%  | 0.105% |
| 307                     | 20.548 | 20.539 | 20.564 | VV | 9860      | 151765  | 1.49%  | 0.069% |
| 308                     | 20.633 | 20.564 | 20.662 | VV | 12950     | 665460  | 6.52%  | 0.303% |
| 309                     | 20.708 | 20.662 | 20.801 | VV | 11443     | 853218  | 8.36%  | 0.389% |
| 310                     | 20.809 | 20.801 | 20.819 | VV | 8767      | 96509   | 0.95%  | 0.044% |
| 311                     | 20.858 | 20.819 | 20.912 | VV | 9113      | 471181  | 4.62%  | 0.215% |
| 312                     | 20.937 | 20.912 | 20.950 | VV | 8612      | 186339  | 1.83%  | 0.085% |
| 313                     | 21.020 | 20.950 | 21.084 | VV | 241821    | 5053159 | 49.53% | 2.302% |
| 314                     | 21.095 | 21.084 | 21.121 | VV | 24945     | 198609  | 1.95%  | 0.090% |
| 315                     | 21.139 | 21.121 | 21.201 | VV | 7401      | 322542  | 3.16%  | 0.147% |
| 316                     | 21.237 | 21.201 | 21.250 | VV | 7194      | 196868  | 1.93%  | 0.090% |
| 317                     | 21.263 | 21.250 | 21.278 | VV | 6867      | 110565  | 1.08%  | 0.050% |
| 318                     | 21.297 | 21.278 | 21.320 | VV | 6804      | 164661  | 1.61%  | 0.075% |
| 319                     | 21.387 | 21.378 | 21.403 | VV | 5594      | 77928   | 0.76%  | 0.035% |
| 320                     | 21.454 | 21.403 | 21.467 | VV | 5190      | 191214  | 1.87%  | 0.087% |
| 321                     | 21.476 | 21.467 | 21.530 | VV | 4847      | 158308  | 1.55%  | 0.072% |
| 322                     | 21.747 | 21.738 | 21.774 | VV | 2658      | 53852   | 0.53%  | 0.025% |
| 323                     | 21.820 | 21.774 | 21.831 | VV | 2616      | 80726   | 0.79%  | 0.037% |
| 324                     | 21.850 | 21.831 | 21.871 | VV | 2410      | 51837   | 0.51%  | 0.024% |
| 325                     | 21.889 | 21.871 | 21.907 | VV | 2094      | 36557   | 0.36%  | 0.017% |
| 326                     | 22.005 | 21.907 | 22.133 | VV | 172603    | 4547026 | 44.57% | 2.071% |
| Sum of corrected areas: |        |        |        |    | 219542653 |         |        |        |

Aliphatic EPH 040225.M Tue Apr 08 03:40:24 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068503.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 18:08  
 Operator : YP/AJ  
 Sample : Q1736-02MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 GST2MSD

Integration File: autoint1.e  
 Quant Time: Apr 08 02:36:19 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Apr 07 16:09:59 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)    | 11.727 | 5069084    | 39.310 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 78.62%       |
| 12) S 1-chlorooctadecane (S... | 13.159 | 3889005    | 42.277 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 84.55%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.465  | 4737387    | 42.513 ug/ml |
| 2) T n-Decane (C10)            | 4.536  | 5003949    | 42.973 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.130  | 5698233    | 45.561 ug/ml |
| 4) T n-Dodecane (C12)          | 6.557  | 5094992    | 45.052 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.188  | 5191429    | 43.382 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.355  | 5065625    | 45.389 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.958  | 5114334    | 44.734 ug/ml |
| 8) T n-Octadecane (C18)        | 11.402 | 5070721    | 44.226 ug/ml |
| 10) T n-Eicosane (C20)         | 12.713 | 5180022    | 47.354 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.325 | 4954719    | 46.455 ug/ml |
| 13) T n-Docosane (C22)         | 13.913 | 4896287    | 45.351 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.011 | 9986153    | 89.583 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.040 | 4708871    | 42.337 ug/ml |
| 16) T n-Octacosane (C28)       | 16.990 | 4595493    | 41.504 ug/ml |
| 17) T n-Tricontane (C30)       | 17.881 | 4519854    | 40.888 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.714 | 4438837    | 42.641 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.499 | 4497802    | 50.089 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.239 | 4371394    | 58.393 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.020 | 4443413    | 71.072 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.003 | 4356763    | 93.252 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

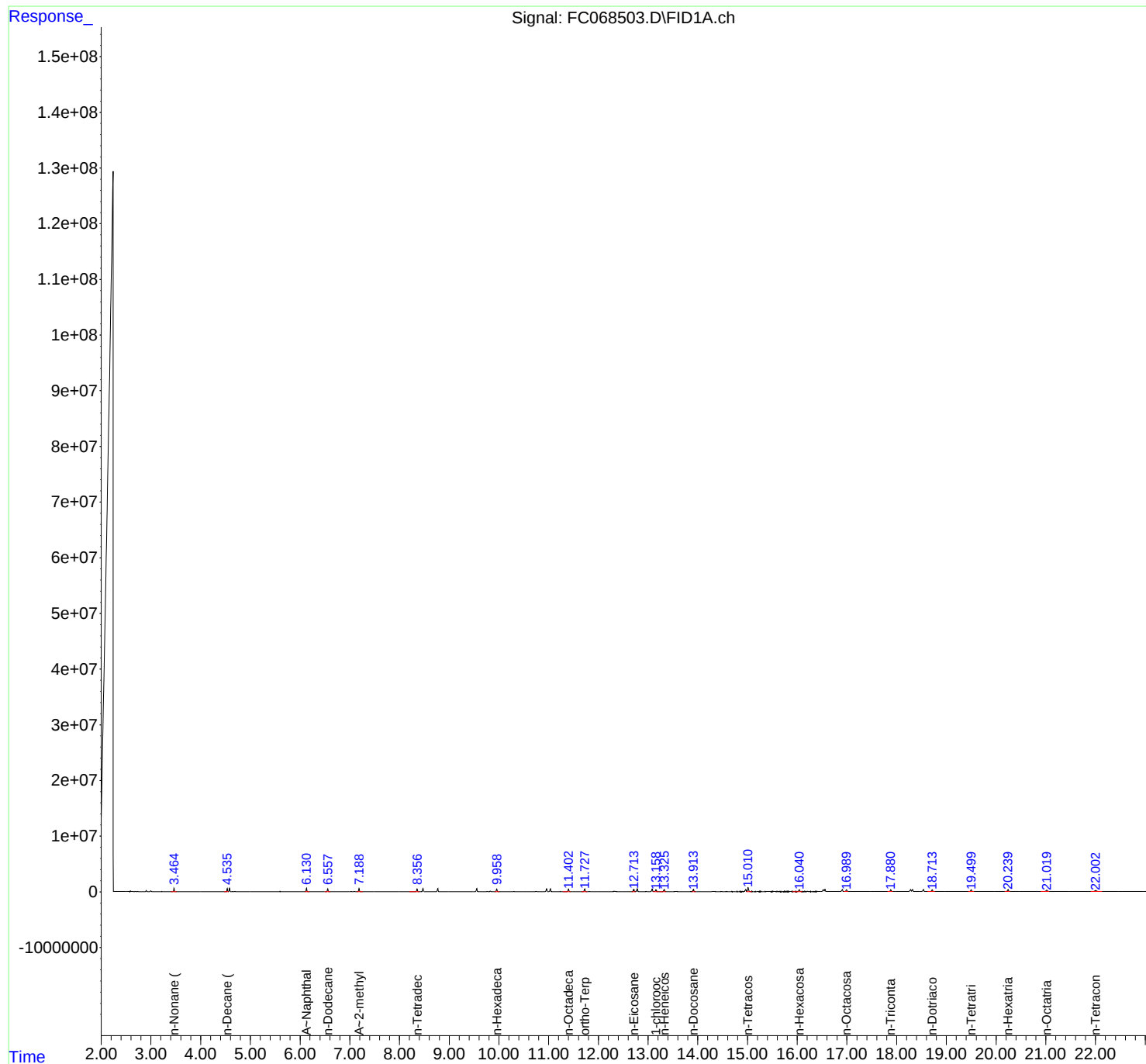
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
Data File : FC068503.D  
Signal(s) : FID1A.ch  
Acq On : 07 Apr 2025 18:08  
Operator : YP/AJ  
Sample : Q1736-02MSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
GST2MSD

Integration File: autoint1.e  
Quant Time: Apr 08 02:36:19 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 07 16:09:59 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC040725AL\  
 Data File : FC068503.D  
 Signal(s) : FID1A.ch  
 Acq On : 07 Apr 2025 18:08  
 Sample : Q1736-02MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040225.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         | 2.380       | 2.363        | 2.406      | PV       | 7966           | 72187        | 0.72%          | 0.033%        |
| 2         | 2.418       | 2.406        | 2.448      | PV       | 8233           | 49085        | 0.49%          | 0.023%        |
| 3         | 2.476       | 2.448        | 2.512      | PV       | 22757          | 199045       | 1.98%          | 0.092%        |
| 4         | 2.534       | 2.512        | 2.552      | PV       | 4291           | 31626        | 0.31%          | 0.015%        |
| 5         | 2.560       | 2.552        | 2.576      | VV       | 414            | 3240         | 0.03%          | 0.002%        |
| 6         | 2.591       | 2.576        | 2.665      | PV       | 81838          | 884055       | 8.78%          | 0.410%        |
| 7         | 2.682       | 2.665        | 2.707      | PV       | 15490          | 126283       | 1.25%          | 0.058%        |
| 8         | 2.730       | 2.707        | 2.793      | VV       | 29576          | 252930       | 2.51%          | 0.117%        |
| 9         | 2.808       | 2.793        | 2.881      | PV       | 1232           | 15240        | 0.15%          | 0.007%        |
| 10        | 2.905       | 2.881        | 2.975      | PV       | 198220         | 1462739      | 14.54%         | 0.678%        |
| 11        | 2.995       | 2.975        | 3.029      | VV       | 109004         | 1312416      | 13.04%         | 0.608%        |
| 12        | 3.045       | 3.029        | 3.070      | VV       | 1523           | 13479        | 0.13%          | 0.006%        |
| 13        | 3.089       | 3.070        | 3.110      | PV       | 584            | 3162         | 0.03%          | 0.001%        |
| 14        | 3.128       | 3.110        | 3.145      | VV       | 147            | 2344         | 0.02%          | 0.001%        |
| 15        | 3.155       | 3.145        | 3.191      | VV       | 305            | 5085         | 0.05%          | 0.002%        |
| 16        | 3.219       | 3.191        | 3.241      | VV       | 3680           | 31687        | 0.31%          | 0.015%        |
| 17        | 3.253       | 3.241        | 3.271      | VV       | 444            | 4228         | 0.04%          | 0.002%        |
| 18        | 3.294       | 3.271        | 3.306      | VV       | 283            | 3182         | 0.03%          | 0.001%        |
| 19        | 3.319       | 3.306        | 3.335      | VV       | 98             | 1277         | 0.01%          | 0.001%        |
| 20        | 3.363       | 3.335        | 3.408      | VV       | 566            | 10488        | 0.10%          | 0.005%        |
| 21        | 3.422       | 3.408        | 3.433      | PV       | 132            | 1420         | 0.01%          | 0.001%        |
| 22        | 3.465       | 3.433        | 3.538      | VV       | 584071         | 4740028      | 47.10%         | 2.196%        |
| 23        | 3.592       | 3.538        | 3.630      | VV       | 372            | 7825         | 0.08%          | 0.004%        |
| 24        | 3.664       | 3.630        | 3.694      | VV       | 321            | 7759         | 0.08%          | 0.004%        |
| 25        | 3.712       | 3.694        | 3.725      | VV       | 288            | 3101         | 0.03%          | 0.001%        |
| 26        | 3.759       | 3.725        | 3.867      | VV       | 1809           | 31080        | 0.31%          | 0.014%        |
| 27        | 3.878       | 3.867        | 3.895      | VV       | 153            | 1386         | 0.01%          | 0.001%        |
| 28        | 3.902       | 3.895        | 3.948      | PV       | 47             | 1064         | 0.01%          | 0.000%        |
| 29        | 3.962       | 3.948        | 4.027      | VV       | 399            | 6425         | 0.06%          | 0.003%        |
| 30        | 4.044       | 4.027        | 4.085      | PV       | 301            | 4484         | 0.04%          | 0.002%        |
| 31        | 4.104       | 4.085        | 4.126      | VV       | 3066           | 24849        | 0.25%          | 0.012%        |
| 32        | 4.152       | 4.126        | 4.196      | VV       | 650            | 14961        | 0.15%          | 0.007%        |
| 33        | 4.205       | 4.196        | 4.212      | VV       | 276            | 2197         | 0.02%          | 0.001%        |
| 34        | 4.219       | 4.212        | 4.241      | VV       | 253            | 4064         | 0.04%          | 0.002%        |
| 35        | 4.247       | 4.241        | 4.285      | VV       | 184            | 3664         | 0.04%          | 0.002%        |
| 36        | 4.301       | 4.285        | 4.321      | VV       | 550            | 6407         | 0.06%          | 0.003%        |

|    |       |       |       |    | rteres |         |        |        |
|----|-------|-------|-------|----|--------|---------|--------|--------|
| 37 | 4.333 | 4.321 | 4.355 | VV | 536    | 6479    | 0.06%  | 0.003% |
| 38 | 4.363 | 4.355 | 4.382 | VV | 420    | 3965    | 0.04%  | 0.002% |
| 39 | 4.400 | 4.382 | 4.429 | VV | 169    | 2676    | 0.03%  | 0.001% |
| 40 | 4.441 | 4.429 | 4.467 | PV | 478    | 2547    | 0.03%  | 0.001% |
| 41 | 4.486 | 4.467 | 4.500 | VV | 110    | 1298    | 0.01%  | 0.001% |
| 42 | 4.536 | 4.500 | 4.558 | VV | 564276 | 5005387 | 49.74% | 2.319% |
| 43 | 4.581 | 4.558 | 4.624 | VV | 623215 | 5410841 | 53.77% | 2.507% |
| 44 | 4.642 | 4.624 | 4.668 | VV | 5401   | 49234   | 0.49%  | 0.023% |
| 45 | 4.688 | 4.668 | 4.728 | VV | 9537   | 85815   | 0.85%  | 0.040% |
| 46 | 4.737 | 4.728 | 4.748 | VV | 185    | 1524    | 0.02%  | 0.001% |
| 47 | 4.752 | 4.748 | 4.759 | VV | 221    | 1019    | 0.01%  | 0.000% |
| 48 | 4.788 | 4.759 | 4.808 | VV | 297    | 5268    | 0.05%  | 0.002% |
| 49 | 4.823 | 4.808 | 4.846 | VV | 318    | 3585    | 0.04%  | 0.002% |
| 50 | 4.856 | 4.846 | 4.861 | VV | 230    | 1413    | 0.01%  | 0.001% |
| 51 | 4.871 | 4.861 | 4.931 | VV | 317    | 6277    | 0.06%  | 0.003% |
| 52 | 4.956 | 4.931 | 5.005 | VV | 152    | 4458    | 0.04%  | 0.002% |
| 53 | 5.019 | 5.005 | 5.029 | VV | 185    | 1775    | 0.02%  | 0.001% |
| 54 | 5.036 | 5.029 | 5.055 | VV | 114    | 1454    | 0.01%  | 0.001% |
| 55 | 5.073 | 5.055 | 5.091 | VV | 150    | 1519    | 0.02%  | 0.001% |
| 56 | 5.112 | 5.091 | 5.161 | PV | 158    | 3810    | 0.04%  | 0.002% |
| 57 | 5.168 | 5.161 | 5.228 | VV | 155    | 4116    | 0.04%  | 0.002% |
| 58 | 5.235 | 5.228 | 5.243 | VV | 90     | 786     | 0.01%  | 0.000% |
| 59 | 5.254 | 5.243 | 5.268 | VV | 170    | 1370    | 0.01%  | 0.001% |
| 60 | 5.278 | 5.268 | 5.301 | VV | 240    | 2424    | 0.02%  | 0.001% |
| 61 | 5.311 | 5.301 | 5.342 | VV | 97     | 1198    | 0.01%  | 0.001% |
| 62 | 5.356 | 5.342 | 5.365 | PV | 70     | 364     | 0.00%  | 0.000% |
| 63 | 5.392 | 5.365 | 5.438 | VV | 3017   | 28102   | 0.28%  | 0.013% |
| 64 | 5.459 | 5.438 | 5.502 | VV | 86     | 1736    | 0.02%  | 0.001% |
| 65 | 5.509 | 5.502 | 5.545 | VV | 36     | 731     | 0.01%  | 0.000% |
| 66 | 5.572 | 5.545 | 5.588 | PV | 1547   | 14764   | 0.15%  | 0.007% |
| 67 | 5.601 | 5.588 | 5.658 | VV | 3603   | 34494   | 0.34%  | 0.016% |
| 68 | 5.684 | 5.658 | 5.782 | VV | 320    | 6463    | 0.06%  | 0.003% |
| 69 | 5.799 | 5.782 | 5.851 | PV | 287    | 6714    | 0.07%  | 0.003% |
| 70 | 5.863 | 5.851 | 5.869 | VV | 148    | 1299    | 0.01%  | 0.001% |
| 71 | 5.878 | 5.869 | 5.898 | VV | 217    | 2274    | 0.02%  | 0.001% |
| 72 | 5.949 | 5.898 | 5.975 | VV | 271    | 7530    | 0.07%  | 0.003% |
| 73 | 5.987 | 5.975 | 6.048 | VV | 248    | 6022    | 0.06%  | 0.003% |
| 74 | 6.085 | 6.048 | 6.100 | VV | 1456   | 18585   | 0.18%  | 0.009% |
| 75 | 6.130 | 6.100 | 6.168 | VV | 631092 | 5706818 | 56.71% | 2.644% |
| 76 | 6.174 | 6.168 | 6.189 | VV | 992    | 9970    | 0.10%  | 0.005% |
| 77 | 6.198 | 6.189 | 6.253 | VV | 613    | 15584   | 0.15%  | 0.007% |
| 78 | 6.271 | 6.253 | 6.318 | VV | 482    | 11213   | 0.11%  | 0.005% |
| 79 | 6.328 | 6.318 | 6.338 | VV | 329    | 3027    | 0.03%  | 0.001% |
| 80 | 6.347 | 6.338 | 6.358 | VV | 252    | 2713    | 0.03%  | 0.001% |
| 81 | 6.401 | 6.358 | 6.428 | VV | 1926   | 27615   | 0.27%  | 0.013% |
| 82 | 6.436 | 6.428 | 6.474 | VV | 410    | 7319    | 0.07%  | 0.003% |
| 83 | 6.494 | 6.474 | 6.521 | VV | 188    | 3934    | 0.04%  | 0.002% |
| 84 | 6.557 | 6.521 | 6.607 | VV | 528209 | 5100665 | 50.69% | 2.363% |
| 85 | 6.626 | 6.607 | 6.665 | VV | 2188   | 22298   | 0.22%  | 0.010% |
| 86 | 6.707 | 6.665 | 6.728 | VV | 423    | 7037    | 0.07%  | 0.003% |
| 87 | 6.733 | 6.728 | 6.743 | VV | 128    | 1011    | 0.01%  | 0.000% |
| 88 | 6.758 | 6.743 | 6.774 | VV | 156    | 1906    | 0.02%  | 0.001% |
| 89 | 6.841 | 6.774 | 6.875 | VV | 370    | 9973    | 0.10%  | 0.005% |

|     |       |       |       |    | rteres |         |        |        |
|-----|-------|-------|-------|----|--------|---------|--------|--------|
| 90  | 6.879 | 6.875 | 6.908 | VV | 214    | 2698    | 0.03%  | 0.001% |
| 91  | 6.914 | 6.908 | 6.931 | VV | 150    | 1706    | 0.02%  | 0.001% |
| 92  | 6.938 | 6.931 | 6.949 | VV | 178    | 1200    | 0.01%  | 0.001% |
| 93  | 6.975 | 6.949 | 6.994 | VV | 318    | 4386    | 0.04%  | 0.002% |
| 94  | 7.026 | 6.994 | 7.064 | VV | 6328   | 67161   | 0.67%  | 0.031% |
| 95  | 7.093 | 7.064 | 7.144 | VV | 14404  | 141398  | 1.41%  | 0.066% |
| 96  | 7.188 | 7.144 | 7.301 | VV | 550699 | 5204356 | 51.72% | 2.411% |
| 97  | 7.324 | 7.301 | 7.341 | VV | 1850   | 20859   | 0.21%  | 0.010% |
| 98  | 7.376 | 7.341 | 7.392 | VV | 2809   | 38836   | 0.39%  | 0.018% |
| 99  | 7.402 | 7.392 | 7.438 | VV | 1277   | 17832   | 0.18%  | 0.008% |
| 100 | 7.452 | 7.438 | 7.463 | VV | 1188   | 11344   | 0.11%  | 0.005% |
| 101 | 7.478 | 7.463 | 7.505 | VV | 1748   | 20058   | 0.20%  | 0.009% |
| 102 | 7.525 | 7.505 | 7.535 | VV | 476    | 5362    | 0.05%  | 0.002% |
| 103 | 7.548 | 7.535 | 7.564 | VV | 458    | 5954    | 0.06%  | 0.003% |
| 104 | 7.576 | 7.564 | 7.598 | VV | 388    | 4991    | 0.05%  | 0.002% |
| 105 | 7.609 | 7.598 | 7.625 | VV | 158    | 1822    | 0.02%  | 0.001% |
| 106 | 7.632 | 7.625 | 7.642 | VV | 182    | 1331    | 0.01%  | 0.001% |
| 107 | 7.661 | 7.642 | 7.683 | VV | 704    | 7726    | 0.08%  | 0.004% |
| 108 | 7.702 | 7.683 | 7.749 | VV | 351    | 7064    | 0.07%  | 0.003% |
| 109 | 7.775 | 7.749 | 7.861 | VV | 808    | 16265   | 0.16%  | 0.008% |
| 110 | 7.903 | 7.861 | 7.918 | VV | 509    | 7877    | 0.08%  | 0.004% |
| 111 | 7.939 | 7.918 | 8.024 | VV | 1050   | 23983   | 0.24%  | 0.011% |
| 112 | 8.047 | 8.024 | 8.080 | VV | 1569   | 20604   | 0.20%  | 0.010% |
| 113 | 8.104 | 8.080 | 8.158 | VV | 1094   | 16573   | 0.16%  | 0.008% |
| 114 | 8.168 | 8.158 | 8.196 | VV | 189    | 2659    | 0.03%  | 0.001% |
| 115 | 8.215 | 8.196 | 8.225 | VV | 247    | 2896    | 0.03%  | 0.001% |
| 116 | 8.248 | 8.225 | 8.278 | VV | 678    | 12400   | 0.12%  | 0.006% |
| 117 | 8.355 | 8.278 | 8.398 | VV | 486442 | 5060786 | 50.29% | 2.344% |
| 118 | 8.412 | 8.398 | 8.430 | VV | 233    | 3473    | 0.03%  | 0.002% |
| 119 | 8.473 | 8.430 | 8.521 | VV | 579793 | 5690171 | 56.54% | 2.636% |
| 120 | 8.540 | 8.521 | 8.554 | VV | 345    | 4559    | 0.05%  | 0.002% |
| 121 | 8.582 | 8.554 | 8.632 | VV | 540    | 10059   | 0.10%  | 0.005% |
| 122 | 8.645 | 8.632 | 8.659 | PV | 90     | 951     | 0.01%  | 0.000% |
| 123 | 8.724 | 8.659 | 8.738 | VV | 273    | 5454    | 0.05%  | 0.003% |
| 124 | 8.771 | 8.738 | 8.806 | VV | 570376 | 5718421 | 56.82% | 2.649% |
| 125 | 8.828 | 8.806 | 8.874 | VV | 504    | 11720   | 0.12%  | 0.005% |
| 126 | 8.888 | 8.874 | 8.931 | VV | 347    | 5580    | 0.06%  | 0.003% |
| 127 | 8.960 | 8.931 | 8.995 | VV | 790    | 11754   | 0.12%  | 0.005% |
| 128 | 9.012 | 8.995 | 9.020 | VV | 180    | 1835    | 0.02%  | 0.001% |
| 129 | 9.037 | 9.020 | 9.056 | VV | 945    | 9882    | 0.10%  | 0.005% |
| 130 | 9.091 | 9.056 | 9.119 | VV | 521    | 10039   | 0.10%  | 0.005% |
| 131 | 9.128 | 9.119 | 9.158 | VV | 154    | 1937    | 0.02%  | 0.001% |
| 132 | 9.175 | 9.158 | 9.278 | VV | 938    | 19966   | 0.20%  | 0.009% |
| 133 | 9.304 | 9.278 | 9.328 | VV | 205    | 3215    | 0.03%  | 0.001% |
| 134 | 9.378 | 9.328 | 9.401 | VV | 183    | 4700    | 0.05%  | 0.002% |
| 135 | 9.433 | 9.401 | 9.448 | VV | 260    | 4363    | 0.04%  | 0.002% |
| 136 | 9.475 | 9.448 | 9.485 | VV | 236    | 3545    | 0.04%  | 0.002% |
| 137 | 9.511 | 9.485 | 9.520 | VV | 818    | 10766   | 0.11%  | 0.005% |
| 138 | 9.555 | 9.520 | 9.584 | VV | 563992 | 5780996 | 57.45% | 2.678% |
| 139 | 9.593 | 9.584 | 9.621 | VV | 671    | 10283   | 0.10%  | 0.005% |
| 140 | 9.631 | 9.621 | 9.661 | VV | 296    | 5619    | 0.06%  | 0.003% |
| 141 | 9.695 | 9.661 | 9.707 | VV | 488    | 8587    | 0.09%  | 0.004% |

| rteres |        |        |        |    |        |         |        |        |
|--------|--------|--------|--------|----|--------|---------|--------|--------|
| 142    | 9.731  | 9.707  | 9.748  | VV | 1855   | 27340   | 0.27%  | 0.013% |
| 143    | 9.765  | 9.748  | 9.800  | VV | 8877   | 96029   | 0.95%  | 0.044% |
| 144    | 9.828  | 9.800  | 9.872  | VV | 60340  | 617248  | 6.13%  | 0.286% |
| 145    | 9.891  | 9.872  | 9.913  | VV | 829    | 12430   | 0.12%  | 0.006% |
| 146    | 9.958  | 9.913  | 10.024 | VV | 472382 | 5121073 | 50.89% | 2.372% |
| 147    | 10.059 | 10.024 | 10.091 | VV | 424    | 9729    | 0.10%  | 0.005% |
| 148    | 10.107 | 10.091 | 10.205 | VV | 194    | 5773    | 0.06%  | 0.003% |
| 149    | 10.237 | 10.205 | 10.266 | PV | 201    | 3751    | 0.04%  | 0.002% |
| 150    | 10.302 | 10.266 | 10.338 | VV | 5891   | 64946   | 0.65%  | 0.030% |
| 151    | 10.345 | 10.338 | 10.361 | VV | 235    | 2223    | 0.02%  | 0.001% |
| 152    | 10.375 | 10.361 | 10.387 | VV | 206    | 2720    | 0.03%  | 0.001% |
| 153    | 10.401 | 10.387 | 10.424 | VV | 260    | 3944    | 0.04%  | 0.002% |
| 154    | 10.471 | 10.424 | 10.495 | VV | 247    | 5774    | 0.06%  | 0.003% |
| 155    | 10.501 | 10.495 | 10.531 | VV | 167    | 1610    | 0.02%  | 0.001% |
| 156    | 10.565 | 10.531 | 10.616 | VV | 383    | 10347   | 0.10%  | 0.005% |
| 157    | 10.650 | 10.616 | 10.669 | VV | 792    | 12090   | 0.12%  | 0.006% |
| 158    | 10.691 | 10.669 | 10.721 | VV | 1003   | 16087   | 0.16%  | 0.007% |
| 159    | 10.747 | 10.721 | 10.821 | VV | 11156  | 164180  | 1.63%  | 0.076% |
| 160    | 10.833 | 10.821 | 10.882 | VV | 218    | 3753    | 0.04%  | 0.002% |
| 161    | 10.893 | 10.882 | 10.897 | PV | 114    | 522     | 0.01%  | 0.000% |
| 162    | 10.961 | 10.897 | 10.998 | VV | 524559 | 5598870 | 55.64% | 2.594% |
| 163    | 11.036 | 10.998 | 11.087 | VV | 516303 | 5492429 | 54.58% | 2.544% |
| 164    | 11.108 | 11.087 | 11.165 | VV | 995    | 16947   | 0.17%  | 0.008% |
| 165    | 11.172 | 11.165 | 11.180 | VV | 158    | 1120    | 0.01%  | 0.001% |
| 166    | 11.202 | 11.180 | 11.218 | VV | 1079   | 12855   | 0.13%  | 0.006% |
| 167    | 11.237 | 11.218 | 11.278 | VV | 3716   | 39021   | 0.39%  | 0.018% |
| 168    | 11.328 | 11.278 | 11.351 | PV | 386    | 6194    | 0.06%  | 0.003% |
| 169    | 11.401 | 11.351 | 11.439 | VV | 465562 | 5064136 | 50.32% | 2.346% |
| 170    | 11.477 | 11.439 | 11.508 | VV | 454    | 8184    | 0.08%  | 0.004% |
| 171    | 11.565 | 11.508 | 11.579 | VV | 322    | 5070    | 0.05%  | 0.002% |
| 172    | 11.591 | 11.579 | 11.621 | VV | 311    | 3728    | 0.04%  | 0.002% |
| 173    | 11.727 | 11.621 | 11.772 | PV | 462175 | 5079482 | 50.47% | 2.353% |
| 174    | 11.819 | 11.772 | 11.873 | VV | 4265   | 86540   | 0.86%  | 0.040% |
| 175    | 11.886 | 11.873 | 11.920 | VV | 854    | 15777   | 0.16%  | 0.007% |
| 176    | 11.932 | 11.920 | 11.977 | VV | 492    | 7641    | 0.08%  | 0.004% |
| 177    | 12.002 | 11.977 | 12.025 | VV | 894    | 10168   | 0.10%  | 0.005% |
| 178    | 12.060 | 12.025 | 12.095 | PV | 756    | 14561   | 0.14%  | 0.007% |
| 179    | 12.112 | 12.095 | 12.138 | VV | 589    | 8306    | 0.08%  | 0.004% |
| 180    | 12.165 | 12.138 | 12.201 | VV | 607    | 9634    | 0.10%  | 0.004% |
| 181    | 12.318 | 12.201 | 12.388 | VV | 76515  | 959208  | 9.53%  | 0.444% |
| 182    | 12.404 | 12.388 | 12.468 | VV | 2517   | 63783   | 0.63%  | 0.030% |
| 183    | 12.478 | 12.468 | 12.484 | VV | 800    | 7390    | 0.07%  | 0.003% |
| 184    | 12.495 | 12.484 | 12.511 | VV | 822    | 12139   | 0.12%  | 0.006% |
| 185    | 12.552 | 12.511 | 12.591 | VV | 2604   | 58008   | 0.58%  | 0.027% |
| 186    | 12.601 | 12.591 | 12.623 | VV | 332    | 4157    | 0.04%  | 0.002% |
| 187    | 12.653 | 12.623 | 12.674 | VV | 787    | 13469   | 0.13%  | 0.006% |
| 188    | 12.713 | 12.674 | 12.745 | VV | 446665 | 5186113 | 51.53% | 2.402% |
| 189    | 12.783 | 12.745 | 12.840 | VV | 505809 | 5596212 | 55.61% | 2.592% |
| 190    | 12.873 | 12.840 | 12.903 | VV | 180    | 2978    | 0.03%  | 0.001% |
| 191    | 12.917 | 12.903 | 12.932 | VV | 139    | 1229    | 0.01%  | 0.001% |
| 192    | 12.965 | 12.932 | 13.011 | PV | 5851   | 66670   | 0.66%  | 0.031% |
| 193    | 13.023 | 13.011 | 13.037 | VV | 132    | 1737    | 0.02%  | 0.001% |
| 194    | 13.084 | 13.037 | 13.107 | VV | 489853 | 5419988 | 53.86% | 2.511% |

| rteres |        |        |        |    |        |          |         |        |
|--------|--------|--------|--------|----|--------|----------|---------|--------|
| 195    | 13.159 | 13.107 | 13.232 | VV | 323577 | 3892187  | 38.68%  | 1.803% |
| 196    | 13.273 | 13.232 | 13.286 | PV | 467    | 6077     | 0.06%   | 0.003% |
| 197    | 13.325 | 13.286 | 13.359 | VV | 399269 | 4970238  | 49.39%  | 2.302% |
| 198    | 13.399 | 13.359 | 13.438 | VV | 1054   | 38308    | 0.38%   | 0.018% |
| 199    | 13.445 | 13.438 | 13.475 | VV | 766    | 14235    | 0.14%   | 0.007% |
| 200    | 13.550 | 13.475 | 13.657 | VV | 18534  | 339216   | 3.37%   | 0.157% |
| 201    | 13.668 | 13.657 | 13.684 | VV | 841    | 12443    | 0.12%   | 0.006% |
| 202    | 13.699 | 13.684 | 13.718 | VV | 983    | 16474    | 0.16%   | 0.008% |
| 203    | 13.750 | 13.718 | 13.808 | VV | 1507   | 40613    | 0.40%   | 0.019% |
| 204    | 13.862 | 13.808 | 13.877 | VV | 2967   | 46895    | 0.47%   | 0.022% |
| 205    | 13.913 | 13.877 | 13.958 | VV | 407486 | 4913428  | 48.82%  | 2.276% |
| 206    | 13.963 | 13.958 | 13.991 | VV | 417    | 6230     | 0.06%   | 0.003% |
| 207    | 13.997 | 13.991 | 14.018 | VV | 246    | 2991     | 0.03%   | 0.001% |
| 208    | 14.039 | 14.018 | 14.065 | VV | 1184   | 16773    | 0.17%   | 0.008% |
| 209    | 14.087 | 14.065 | 14.111 | VV | 707    | 11506    | 0.11%   | 0.005% |
| 210    | 14.142 | 14.111 | 14.187 | VV | 351    | 13540    | 0.13%   | 0.006% |
| 211    | 14.210 | 14.187 | 14.238 | VV | 581    | 11934    | 0.12%   | 0.006% |
| 212    | 14.309 | 14.238 | 14.383 | VV | 5633   | 185378   | 1.84%   | 0.086% |
| 213    | 14.418 | 14.383 | 14.450 | VV | 898    | 31260    | 0.31%   | 0.014% |
| 214    | 14.476 | 14.450 | 14.527 | VV | 2198   | 51004    | 0.51%   | 0.024% |
| 215    | 14.540 | 14.527 | 14.552 | VV | 644    | 9431     | 0.09%   | 0.004% |
| 216    | 14.577 | 14.552 | 14.617 | VV | 3019   | 51058    | 0.51%   | 0.024% |
| 217    | 14.636 | 14.617 | 14.662 | VV | 722    | 15212    | 0.15%   | 0.007% |
| 218    | 14.693 | 14.662 | 14.725 | VV | 1422   | 31249    | 0.31%   | 0.014% |
| 219    | 14.791 | 14.725 | 14.816 | VV | 1193   | 41824    | 0.42%   | 0.019% |
| 220    | 14.855 | 14.816 | 14.896 | VV | 1232   | 49268    | 0.49%   | 0.023% |
| 221    | 14.963 | 14.896 | 14.983 | VV | 394348 | 5428466  | 53.94%  | 2.515% |
| 222    | 15.011 | 14.983 | 15.131 | VV | 732236 | 10063431 | 100.00% | 4.662% |
| 223    | 15.157 | 15.131 | 15.175 | VV | 1075   | 22136    | 0.22%   | 0.010% |
| 224    | 15.201 | 15.175 | 15.248 | VV | 2467   | 61728    | 0.61%   | 0.029% |
| 225    | 15.264 | 15.248 | 15.341 | VV | 1018   | 43940    | 0.44%   | 0.020% |
| 226    | 15.398 | 15.341 | 15.501 | VV | 16819  | 367372   | 3.65%   | 0.170% |
| 227    | 15.534 | 15.501 | 15.578 | VV | 2012   | 57056    | 0.57%   | 0.026% |
| 228    | 15.616 | 15.578 | 15.648 | VV | 1703   | 41510    | 0.41%   | 0.019% |
| 229    | 15.671 | 15.648 | 15.698 | VV | 720    | 17749    | 0.18%   | 0.008% |
| 230    | 15.778 | 15.698 | 15.823 | VV | 704    | 40903    | 0.41%   | 0.019% |
| 231    | 15.867 | 15.823 | 15.905 | VV | 1530   | 45669    | 0.45%   | 0.021% |
| 232    | 15.925 | 15.905 | 15.985 | VV | 834    | 29312    | 0.29%   | 0.014% |
| 233    | 16.040 | 15.985 | 16.148 | VV | 361582 | 4733358  | 47.04%  | 2.193% |
| 234    | 16.166 | 16.148 | 16.188 | VV | 286    | 5340     | 0.05%   | 0.002% |
| 235    | 16.246 | 16.188 | 16.296 | VV | 891    | 25522    | 0.25%   | 0.012% |
| 236    | 16.345 | 16.296 | 16.384 | PV | 474    | 11407    | 0.11%   | 0.005% |
| 237    | 16.418 | 16.384 | 16.462 | VV | 1419   | 30910    | 0.31%   | 0.014% |
| 238    | 16.522 | 16.462 | 16.539 | VV | 343297 | 5153537  | 51.21%  | 2.387% |
| 239    | 16.557 | 16.539 | 16.636 | VV | 432132 | 5099950  | 50.68%  | 2.363% |
| 240    | 16.709 | 16.636 | 16.728 | VV | 280    | 7261     | 0.07%   | 0.003% |
| 241    | 16.767 | 16.728 | 16.813 | PV | 2356   | 29717    | 0.30%   | 0.014% |
| 242    | 16.904 | 16.813 | 16.939 | VV | 369698 | 4880643  | 48.50%  | 2.261% |
| 243    | 16.990 | 16.939 | 17.084 | VV | 344601 | 4679114  | 46.50%  | 2.168% |
| 244    | 17.130 | 17.084 | 17.171 | VV | 257    | 10888    | 0.11%   | 0.005% |
| 245    | 17.246 | 17.171 | 17.285 | VV | 444    | 15829    | 0.16%   | 0.007% |
| 246    | 17.316 | 17.285 | 17.344 | PV | 1834   | 26147    | 0.26%   | 0.012% |

| rterres                 |        |        |        |    |           |         |        |        |
|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|
| 247                     | 17.368 | 17.344 | 17.399 | VV | 695       | 13558   | 0.13%  | 0.006% |
| 248                     | 17.437 | 17.399 | 17.471 | VV | 2202      | 35110   | 0.35%  | 0.016% |
| 249                     | 17.579 | 17.471 | 17.638 | PV | 504       | 17955   | 0.18%  | 0.008% |
| 250                     | 17.666 | 17.638 | 17.695 | VV | 339       | 5985    | 0.06%  | 0.003% |
| 251                     | 17.768 | 17.695 | 17.800 | PV | 3787      | 63730   | 0.63%  | 0.030% |
| 252                     | 17.881 | 17.800 | 17.922 | VV | 321534    | 4538456 | 45.10% | 2.102% |
| 253                     | 17.969 | 17.922 | 17.991 | VV | 803       | 24636   | 0.24%  | 0.011% |
| 254                     | 18.040 | 17.991 | 18.098 | VV | 1705      | 62243   | 0.62%  | 0.029% |
| 255                     | 18.120 | 18.098 | 18.151 | VV | 1019      | 20105   | 0.20%  | 0.009% |
| 256                     | 18.279 | 18.151 | 18.298 | VV | 356760    | 5614998 | 55.80% | 2.601% |
| 257                     | 18.318 | 18.298 | 18.371 | VV | 377344    | 4903991 | 48.73% | 2.272% |
| 258                     | 18.411 | 18.371 | 18.481 | VV | 3486      | 125884  | 1.25%  | 0.058% |
| 259                     | 18.538 | 18.481 | 18.637 | VV | 367533    | 5171644 | 51.39% | 2.396% |
| 260                     | 18.713 | 18.637 | 18.771 | VV | 315185    | 4574475 | 45.46% | 2.119% |
| 261                     | 18.833 | 18.771 | 18.854 | VV | 3810      | 129326  | 1.29%  | 0.060% |
| 262                     | 18.875 | 18.854 | 18.930 | VV | 4808      | 127647  | 1.27%  | 0.059% |
| 263                     | 19.007 | 18.930 | 19.035 | VV | 2797      | 162554  | 1.62%  | 0.075% |
| 264                     | 19.073 | 19.035 | 19.171 | VV | 10923     | 487424  | 4.84%  | 0.226% |
| 265                     | 19.189 | 19.171 | 19.204 | VV | 3615      | 70260   | 0.70%  | 0.033% |
| 266                     | 19.230 | 19.204 | 19.258 | VV | 4629      | 125466  | 1.25%  | 0.058% |
| 267                     | 19.302 | 19.258 | 19.324 | VV | 4516      | 162378  | 1.61%  | 0.075% |
| 268                     | 19.498 | 19.324 | 19.558 | VV | 312002    | 5159878 | 51.27% | 2.390% |
| 269                     | 19.605 | 19.558 | 19.641 | VV | 7852      | 337565  | 3.35%  | 0.156% |
| 270                     | 19.676 | 19.641 | 19.701 | VV | 7764      | 260349  | 2.59%  | 0.121% |
| 271                     | 19.732 | 19.701 | 19.768 | VV | 8059      | 305948  | 3.04%  | 0.142% |
| 272                     | 19.789 | 19.768 | 19.810 | VV | 8692      | 204007  | 2.03%  | 0.095% |
| 273                     | 19.867 | 19.810 | 19.902 | VV | 10004     | 492079  | 4.89%  | 0.228% |
| 274                     | 19.930 | 19.902 | 19.947 | VV | 9049      | 243662  | 2.42%  | 0.113% |
| 275                     | 20.098 | 19.947 | 20.114 | VV | 10844     | 949840  | 9.44%  | 0.440% |
| 276                     | 20.140 | 20.114 | 20.175 | VV | 11632     | 397375  | 3.95%  | 0.184% |
| 277                     | 20.239 | 20.175 | 20.311 | VV | 300297    | 5240419 | 52.07% | 2.428% |
| 278                     | 20.382 | 20.311 | 20.544 | VV | 15308     | 1680025 | 16.69% | 0.778% |
| 279                     | 20.632 | 20.544 | 20.696 | VV | 15451     | 1162179 | 11.55% | 0.538% |
| 280                     | 20.711 | 20.696 | 20.788 | VV | 11808     | 576060  | 5.72%  | 0.267% |
| 281                     | 20.800 | 20.788 | 20.818 | VV | 9068      | 161770  | 1.61%  | 0.075% |
| 282                     | 20.835 | 20.818 | 20.857 | VV | 9097      | 205095  | 2.04%  | 0.095% |
| 283                     | 20.873 | 20.857 | 20.928 | VV | 8741      | 349175  | 3.47%  | 0.162% |
| 284                     | 21.019 | 20.928 | 21.071 | VV | 248977    | 5067603 | 50.36% | 2.348% |
| 285                     | 21.126 | 21.071 | 21.183 | VV | 7478      | 461132  | 4.58%  | 0.214% |
| 286                     | 21.202 | 21.183 | 21.241 | VV | 6348      | 206873  | 2.06%  | 0.096% |
| 287                     | 21.261 | 21.241 | 21.308 | VV | 5971      | 232205  | 2.31%  | 0.108% |
| 288                     | 21.350 | 21.308 | 21.391 | VV | 5767      | 264522  | 2.63%  | 0.123% |
| 289                     | 21.449 | 21.391 | 21.513 | VV | 5567      | 358760  | 3.56%  | 0.166% |
| 290                     | 21.594 | 21.513 | 21.664 | VV | 4671      | 395864  | 3.93%  | 0.183% |
| 291                     | 21.690 | 21.664 | 21.821 | VV | 3922      | 288403  | 2.87%  | 0.134% |
| 292                     | 21.840 | 21.821 | 21.928 | VV | 2462      | 110781  | 1.10%  | 0.051% |
| 293                     | 22.003 | 21.928 | 22.148 | VV | 175678    | 4434435 | 44.06% | 2.054% |
| Sum of corrected areas: |        |        |        |    | 215869701 |         |        |        |

Aliphatic EPH 040225.M Tue Apr 08 03:38:42 2025

## Manual Integration Report

Sequence:

FC040225AL

Instrument

FID\_c

| Sample ID             | File ID    | Parameter            | Review By | Review On              | Supervised By | Supervised On    | Reason                      |
|-----------------------|------------|----------------------|-----------|------------------------|---------------|------------------|-----------------------------|
| 5 PPM<br>ALIPHATIC HC | FC068491.D | n-Octacosane (C28)   | yogesh    | 4/3/2025 7:45:42<br>AM | mohammad      | 4/4/2025 7:54:14 | Peak Integrated by Software |
| 5 PPM<br>ALIPHATIC HC | FC068491.D | n-Octadecane (C18)   | yogesh    | 4/3/2025 7:45:42<br>AM | mohammad      | 4/4/2025 7:54:14 | Peak Integrated by Software |
| 5 PPM<br>ALIPHATIC HC | FC068491.D | n-Tetracontane (C40) | yogesh    | 4/3/2025 7:45:42<br>AM | mohammad      | 4/4/2025 7:54:14 | Peak Integrated by Software |
| 5 PPM<br>ALIPHATIC HC | FC068491.D | n-Tricontane (C30)   | yogesh    | 4/3/2025 7:45:42<br>AM | mohammad      | 4/4/2025 7:54:14 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FC040725AL

Instrument

FID\_c

| Sample ID              | File ID    | Parameter                  | Review By | Review On              | Supervised By | Supervised On    | Reason                      |
|------------------------|------------|----------------------------|-----------|------------------------|---------------|------------------|-----------------------------|
| 20 PPM<br>ALIPHATIC HC | FC068497.D | n-Octatriacontane (C38)    | yogesh    | 4/8/2025 7:51:49<br>AM | mohammad      | 4/9/2025 2:58:48 | Peak Integrated by Software |
| PB167477BS             | FC068499.D | n-Tetracontane (C40)       | yogesh    | 4/8/2025 7:51:55<br>AM | mohammad      | 4/9/2025 2:58:48 | Peak Integrated by Software |
| 20 PPM<br>ALIPHATIC HC | FC068506.D | n-Hexatriacontane<br>(C36) | yogesh    | 4/8/2025 7:51:53<br>AM | mohammad      | 4/9/2025 2:58:48 | Peak Integrated by Software |
| 20 PPM<br>ALIPHATIC HC | FC068506.D | n-Octatriacontane (C38)    | yogesh    | 4/8/2025 7:51:53<br>AM | mohammad      | 4/9/2025 2:58:48 | Peak Integrated by Software |



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

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FC040825AL | Instrument | FID_c |
|-----------|------------|------------|-------|

| Sample ID              | File ID    | Parameter               | Review By | Review On              | Supervised By | Supervised On     | Reason                      |
|------------------------|------------|-------------------------|-----------|------------------------|---------------|-------------------|-----------------------------|
| 20 PPM<br>ALIPHATIC HC | FC068509.D | n-Octatriacontane (C38) | yogesh    | 4/9/2025 1:39:58<br>PM | mohammad      | 4/10/2025 5:30:40 | Peak Integrated by Software |

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC040225AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 4/2/2025 1:54:54 PM             |
| Supervise By                                                       | mohammad                                | Supervise On      | 4/4/2025 7:54:14 AM             |
| SubDirectory                                                       | FC040225AL                              | HP Acquire Method | HP Processing Method FC040225AL |
| <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                       | FC068485.D     | 02 Apr 2025 14:05 | YP/AJ    | Ok     |
| 2   | I.BLK                       | FC068486.D     | 02 Apr 2025 14:42 | YP/AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC STD1   | FC068487.D     | 02 Apr 2025 15:55 | YP/AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC STD2    | FC068488.D     | 02 Apr 2025 16:32 | YP/AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC STD3    | FC068489.D     | 02 Apr 2025 17:09 | YP/AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC STD4    | FC068490.D     | 02 Apr 2025 17:45 | YP/AJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC STD5     | FC068491.D     | 02 Apr 2025 19:00 | YP/AJ    | Ok,M   |
| 8   | 20 PPM ALIPHATIC HC STD ICV | FC068492.D     | 02 Apr 2025 20:13 | YP/AJ    | Ok     |
| 9   | I.BLK                       | FC068493.D     | 02 Apr 2025 21:26 | YP/AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC STD     | FC068494.D     | 02 Apr 2025 22:04 | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC040725AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 4/7/2025 3:21:12 PM             |
| Supervise By                                                       | mohammad                                | Supervise On      | 4/9/2025 2:58:48 AM             |
| SubDirectory                                                       | FC040725AL                              | HP Acquire Method | HP Processing Method FC040225AL |
| <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                   | FC068495.D     | 07 Apr 2025 10:25 | YP/AJ    | Ok       |
| 2   | I.BLK                   | FC068496.D     | 07 Apr 2025 11:03 | YP/AJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC STD | FC068497.D     | 07 Apr 2025 14:23 | YP/AJ    | Ok,M     |
| 4   | PB167477BL              | FC068498.D     | 07 Apr 2025 15:00 | YP/AJ    | Ok       |
| 5   | PB167477BS              | FC068499.D     | 07 Apr 2025 15:38 | YP/AJ    | Ok,M     |
| 6   | PB167477BSD             | FC068500.D     | 07 Apr 2025 16:15 | YP/AJ    | Ok       |
| 7   | Q1736-02                | FC068501.D     | 07 Apr 2025 16:52 | YP/AJ    | Ok       |
| 8   | Q1736-02MS              | FC068502.D     | 07 Apr 2025 17:30 | YP/AJ    | Ok       |
| 9   | Q1736-02MSD             | FC068503.D     | 07 Apr 2025 18:08 | YP/AJ    | Ok       |
| 10  | Q1736-01                | FC068504.D     | 07 Apr 2025 18:45 | YP/AJ    | Dilution |
| 11  | I.BLK                   | FC068505.D     | 07 Apr 2025 20:37 | YP/AJ    | Ok       |
| 12  | 20 PPM ALIPHATIC HC STD | FC068506.D     | 07 Apr 2025 21:15 | YP/AJ    | Ok,M     |

M : Manual Integration

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC040825AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 4/8/2025 10:07:57 AM            |
| Supervise By                                                       | mohammad                                | Supervise On      | 4/10/2025 5:30:40 AM            |
| SubDirectory                                                       | FC040825AL                              | HP Acquire Method | HP Processing Method FC040225AL |
| <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                   | FC068507.D     | 08 Apr 2025 07:39 | YP/AJ    | Ok     |
| 2   | I.BLK                   | FC068508.D     | 08 Apr 2025 08:15 | YP/AJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC STD | FC068509.D     | 08 Apr 2025 08:52 | YP/AJ    | Ok,M   |
| 4   | Q1736-01DL              | FC068510.D     | 08 Apr 2025 09:30 | YP/AJ    | Ok     |
| 5   | I.BLK                   | FC068511.D     | 08 Apr 2025 10:46 | YP/AJ    | Ok     |
| 6   | 20 PPM ALIPHATIC HC STD | FC068512.D     | 08 Apr 2025 11:24 | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC040225AL**

|              |            |                   |                                 |
|--------------|------------|-------------------|---------------------------------|
| Review By    | yogesh     | Review On         | 4/2/2025 1:54:54 PM             |
| Supervise By | mohammad   | Supervise On      | 4/4/2025 7:54:14 AM             |
| SubDirectory | FC040225AL | HP Acquire Method | HP Processing Method FC040225AL |

| STD. NAME                                                          | STD REF.#                               |
|--------------------------------------------------------------------|-----------------------------------------|
| 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             | ClientID             | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|----------------------|----------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2                | MECL2                | FC068485.D     | 02 Apr 2025 14:05 |         | YP/AJ    | Ok     |
| 2   | I.BLK                | I.BLK                | FC068486.D     | 02 Apr 2025 14:42 |         | YP/AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC | 100 PPM ALIPHATIC HC | FC068487.D     | 02 Apr 2025 15:55 |         | YP/AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC  | 50 PPM ALIPHATIC HC  | FC068488.D     | 02 Apr 2025 16:32 |         | YP/AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC068489.D     | 02 Apr 2025 17:09 |         | YP/AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC  | 10 PPM ALIPHATIC HC  | FC068490.D     | 02 Apr 2025 17:45 |         | YP/AJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC   | 5 PPM ALIPHATIC HC   | FC068491.D     | 02 Apr 2025 19:00 |         | YP/AJ    | Ok,M   |
| 8   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC068492.D     | 02 Apr 2025 20:13 |         | YP/AJ    | Ok     |
| 9   | I.BLK                | I.BLK                | FC068493.D     | 02 Apr 2025 21:26 |         | YP/AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC068494.D     | 02 Apr 2025 22:04 |         | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC040725AL**

|              |            |                   |                                 |
|--------------|------------|-------------------|---------------------------------|
| Review By    | yogesh     | Review On         | 4/7/2025 3:21:12 PM             |
| Supervise By | mohammad   | Supervise On      | 4/9/2025 2:58:48 AM             |
| SubDirectory | FC040725AL | HP Acquire Method | HP Processing Method FC040225AL |

| 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          |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment               | Operator | Status   |
|-----|---------------------|---------------------|----------------|-------------------|-----------------------|----------|----------|
| 1   | MECL2               | MECL2               | FC068495.D     | 07 Apr 2025 10:25 |                       | YP/AJ    | Ok       |
| 2   | I.BLK               | I.BLK               | FC068496.D     | 07 Apr 2025 11:03 |                       | YP/AJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC068497.D     | 07 Apr 2025 14:23 |                       | YP/AJ    | Ok,M     |
| 4   | PB167477BL          | PB167477BL          | FC068498.D     | 07 Apr 2025 15:00 |                       | YP/AJ    | Ok       |
| 5   | PB167477BS          | PB167477BS          | FC068499.D     | 07 Apr 2025 15:38 |                       | YP/AJ    | Ok,M     |
| 6   | PB167477BSD         | PB167477BSD         | FC068500.D     | 07 Apr 2025 16:15 |                       | YP/AJ    | Ok       |
| 7   | Q1736-02            | GST2                | FC068501.D     | 07 Apr 2025 16:52 |                       | YP/AJ    | Ok       |
| 8   | Q1736-02MS          | GST2MS              | FC068502.D     | 07 Apr 2025 17:30 | FC068501.D            | YP/AJ    | Ok       |
| 9   | Q1736-02MSD         | GST2MSD             | FC068503.D     | 07 Apr 2025 18:08 | FC068501.D!FC068502.D | YP/AJ    | Ok       |
| 10  | Q1736-01            | GST1                | FC068504.D     | 07 Apr 2025 18:45 | need 2x dilution      | YP/AJ    | Dilution |
| 11  | I.BLK               | I.BLK               | FC068505.D     | 07 Apr 2025 20:37 |                       | YP/AJ    | Ok       |
| 12  | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC068506.D     | 07 Apr 2025 21:15 |                       | YP/AJ    | Ok,M     |

M : Manual Integration

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC040825AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 4/8/2025 10:07:57 AM            |
| Supervise By                            | mohammad                                | Supervise On      | 4/10/2025 5:30:40 AM            |
| SubDirectory                            | FC040825AL                              | HP Acquire Method | HP Processing Method FC040225AL |
| <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               | FC068507.D     | 08 Apr 2025 07:39 |         | YP/AJ    | Ok     |
| 2   | I.BLK               | I.BLK               | FC068508.D     | 08 Apr 2025 08:15 |         | YP/AJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC068509.D     | 08 Apr 2025 08:52 |         | YP/AJ    | Ok,M   |
| 4   | Q1736-01DL          | GST1DL              | FC068510.D     | 08 Apr 2025 09:30 |         | YP/AJ    | Ok     |
| 5   | I.BLK               | I.BLK               | FC068511.D     | 08 Apr 2025 10:46 |         | YP/AJ    | Ok     |
| 6   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC068512.D     | 08 Apr 2025 11:24 |         | YP/AJ    | Ok     |

M : Manual Integration

SOP ID: MNJDEP-EPH-7

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date: 04/07/2025

Extraction Start Time: 09:40

Extraction End Date: 04/07/2025

Extraction End Time: 12:40

Concentration By: EH

Supervisor By: rajesh

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

| Standard Name           | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-------------------------|----------|---------------------|---------------------|
| Spike Sol 1             | 1.0ML    | 100 PPM             | PP24207             |
| 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            | EP2591     |
| Baked Na2SO4      | N/A            | EP2597     |
| 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        |
| N/A               | N/A            | N/A        |
| N/A               | N/A            | N/A        |

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 04/07/25    | RP (Ext. 265)                           | Y-P Pest IP CB.      |
| 12:45       | Preparation Group                       | Analysis Group       |

Analytical Method: MNJDEP-EPH-7

Concentration Date: 04/07/2025

| Sample ID       | Client Sample ID | Test   | g / mL | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|--------|--------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |        |        |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB167477BL      | PB167477BL       | EPH_F2 | 30.01  | N/A | ritesh         | Evelyn     | 2                  |       |          | U3-1        |
| PB167477BS      | PB167477BS       | EPH_F2 | 30.02  | N/A | ritesh         | Evelyn     | 2                  |       |          | 2           |
| PB167477BSD     | PB167477BSD      | EPH_F2 | 30.02  | N/A | ritesh         | Evelyn     | 2                  |       |          | 3           |
| Q1736-01        | GST1             | EPH_F2 | 30.03  | N/A | ritesh         | Evelyn     | 2                  |       |          | 4           |
| Q1736-02        | GST2             | EPH_F2 | 30.01  | N/A | ritesh         | Evelyn     | 2                  |       |          | 5           |
| Q1736-02MS      | GST2MS           | EPH_F2 | 30.05  | N/A | ritesh         | Evelyn     | 2                  |       |          | 6           |
| Q1736-02MS<br>D | GST2MSD          | EPH_F2 | 30.04  | N/A | ritesh         | Evelyn     | 2                  |       |          | U2-1        |

\* Extracts relinquished on the same date as received.



167477  
9-41

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1736

WorkList ID : 188762

Department : Extraction

Date : 04-07-2025 08:19:46

| Sample   | Customer Sample | Matrix | Test   | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|--------|--------------|----------|-----------------------------|--------------|--------|
| Q1732-01 | TT-8            | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                         | 04/04/2025   | NJEPH  |
| Q1732-02 | TT-8-EPH        | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                         | 04/04/2025   | NJEPH  |
| Q1733-01 | ETGI-328        | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | I31                         | 04/04/2025   | NJEPH  |
| Q1733-02 | ETGI-328-E2     | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | I31                         | 04/04/2025   | NJEPH  |
| Q1736-01 | GST1            | Solid  | EPH_F2 | Cool 4 deg C | GENV01   | L21                         | 04/04/2025   | NJEPH  |
| Q1736-02 | GST2            | Solid  | EPH_F2 | Cool 4 deg C | GENV01   | L21                         | 04/04/2025   | NJEPH  |
| Q1737-01 | RT3069          | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | L31                         | 04/04/2025   | NJEPH  |
| Q1738-01 | OK-02-040425    | Solid  | EPH_NF | Cool 4 deg C | PSEG05   | L31                         | 04/04/2025   | NJEPH  |
| Q1738-02 | OK-02-040425-E2 | Solid  | EPH_NF | Cool 4 deg C | PSEG05   | L31                         | 04/04/2025   | NJEPH  |

Date/Time 04/07/25 9:35

Raw Sample Received by: RJ (Sent Log)

Raw Sample Relinquished by: CR SM

Date/Time 04/07/25 10:00

Raw Sample Received by: CP SM

Raw Sample Relinquished by: RJ (Sent Log)

## LAB CHRONICLE

|                 |                 |                   |                     |
|-----------------|-----------------|-------------------|---------------------|
| <b>OrderID:</b> | Q1736           | <b>OrderDate:</b> | 4/4/2025 1:39:00 PM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Stockton            |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | L21                 |

| LabID      | ClientID | Matrix | Test   | Method | Sample Date | Prep Date | Anal Date | Received |
|------------|----------|--------|--------|--------|-------------|-----------|-----------|----------|
| Q1736-01   | GST1     | SOIL   | PCB    | 8082A  | 04/04/25    | 04/07/25  | 04/07/25  | 04/04/25 |
|            |          |        | EPH_F2 | NJEPH  |             | 04/07/25  | 04/07/25  |          |
| Q1736-01DL | GST1DL   | Solid  | EPH_F2 | NJEPH  | 04/04/25    | 04/07/25  | 04/08/25  | 04/04/25 |
|            |          |        |        |        |             |           |           |          |
| Q1736-02   | GST2     | SOIL   | PCB    | 8082A  | 04/04/25    | 04/07/25  | 04/07/25  | 04/04/25 |
|            |          |        | EPH_F2 | NJEPH  |             | 04/07/25  | 04/07/25  |          |