

## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following "Results Qualifiers" are used:

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Value | If the result is a value greater than or equal to the detection limit, report the value                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| U     | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.                                                                                                                                                                                                                                 |
| ND    | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| J     | Indicates an estimated value. This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| B     | Indicates the analyte was found in the blank as well as the sample report as "12 B".                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| E     | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| D     | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| P     | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".                                                                                                                                                                                                                                                                                                                        |
| N     | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.                                                                                                                                                                                                                  |
| A     | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Q     | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## LAB CHRONICLE

|                 |               |                   |                          |
|-----------------|---------------|-------------------|--------------------------|
| <b>OrderID:</b> | Q3466         | <b>OrderDate:</b> | 10/24/2025 3:18:10 PM    |
| <b>Client:</b>  | HDR, Inc.     | <b>Project:</b>   | PVWC Linear Construction |
| <b>Contact:</b> | Andrew Wadden | <b>Location:</b>  | D41,VOA Ref. #2 Soil     |

| LabID           | ClientID                   | Matrix      | Test          | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|----------------------------|-------------|---------------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q3466-02</b> | <b>B8-0.0-1.0-20251023</b> | <b>SOIL</b> |               |        | <b>10/23/25</b> |           |           | <b>10/24/25</b> |
|                 |                            |             | PCB           | 8082A  |                 | 10/28/25  | 10/28/25  |                 |
|                 |                            |             | Pesticide-TCL | 8081B  |                 | 10/28/25  | 10/28/25  |                 |
|                 |                            |             | EPH_NF        | NJEPH  |                 | 10/28/25  | 10/28/25  |                 |
| <b>Q3466-05</b> | <b>B9-0.0-1.0-20251023</b> | <b>SOIL</b> |               |        | <b>10/23/25</b> |           |           | <b>10/24/25</b> |
|                 |                            |             | PCB           | 8082A  |                 | 10/28/25  | 10/28/25  |                 |
|                 |                            |             | Pesticide-TCL | 8081B  |                 | 10/28/25  | 10/28/25  |                 |
|                 |                            |             | EPH_NF        | NJEPH  |                 | 10/28/25  | 10/29/25  |                 |
| <b>Q3466-07</b> | <b>B7-1.0-2.0-20251023</b> | <b>SOIL</b> |               |        | <b>10/23/25</b> |           |           | <b>10/24/25</b> |
|                 |                            |             | PCB           | 8082A  |                 | 10/28/25  | 10/28/25  |                 |
|                 |                            |             | Pesticide-TCL | 8081B  |                 | 10/28/25  | 10/28/25  |                 |
|                 |                            |             | EPH_NF        | NJEPH  |                 | 10/28/25  | 10/28/25  |                 |



# QC SUMMARY



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

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance  
Lab Code: ACE  
Run Number: FC102825AL

Contract: HDRI08  
SDG No.: Q3466

| CLIENT<br>SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) |  | TOT<br>OUT |
|----------------------|---------------------------|------------------------|--|------------|
| PB170266BL           | 76                        | 74                     |  | 0          |
| PB170266BS           | 78                        | 75                     |  | 0          |
| PB170266BSD          | 81                        | 77                     |  | 0          |
| TP-13MS              | 60                        | 56                     |  | 0          |
| TP-13MSD             | 62                        | 58                     |  | 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: Alliance Contract: HDRI08  
Lab Code: ACE SDG No.: Q3466  
Run Number: FE102825AL

| CLIENT<br>SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) |  | TOT<br>OUT |
|----------------------|---------------------------|------------------------|--|------------|
| B8-0.0-1.0-20251023  | 54                        | 52                     |  | 0          |
| B7-1.0-2.0-20251023  | 42                        | 41                     |  | 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: Alliance Contract: HDRI08  
Lab Code: ACE SDG No.: Q3466  
Run Number: FE102925AL

| CLIENT<br>SAMPLE NO. | 1-chlorooctadecane (SURR) | ortho-Terphenyl (SURR) | TOT<br>OUT |
|----------------------|---------------------------|------------------------|------------|
| B9-0.0-1.0-20251023  | 57                        | 74                     | 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\_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY**

|                    |                   |                    |                   |
|--------------------|-------------------|--------------------|-------------------|
| <b>Lab Name:</b>   | <u>Alliance</u>   | <b>Client:</b>     | <u>HDR, Inc.</u>  |
| <b>Lab Code:</b>   | <u>ACE</u>        | <b>SDG No:</b>     | <u>Q3466</u>      |
| <b>Sample No :</b> | <u>Q3469-01MS</u> | <b>Datafile:</b>   | <u>FC070065.D</u> |
|                    |                   | <b>Client ID :</b> | <u>TP-13MS</u>    |

| 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 | 32.9                    | 4.96                             | 27.5                             | 68    |      | (40-140)      |
| Aliphatic C9-C28  | 109.6                   | 3.38                             | 61.2                             | 53    |      | (40-140)      |

| COMPOUND                     | SPIKE<br>ADDED<br>mg/kg | SAMPLE<br>CONCENTRATION<br>mg/kg | MS/MSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC<br>LIMITS (%) |
|------------------------------|-------------------------|----------------------------------|----------------------------------|-------|------|------------------|
| n-Nonane (C9)                | 3.7                     | 0.0031                           | 1.6750                           | 45    |      | (40-140)         |
| n-Decane (C10)               | 3.7                     | 0.0092                           | 3.9220                           | 106   |      | (40-140)         |
| Naphthalene (C11.7)          | 3.7                     | 0.0145                           | 2.1382                           | 57    |      | (40-140)         |
| n-Dodecane (C12)             | 3.7                     | 0.0033                           | 1.9778                           | 53    |      | (40-140)         |
| 2-methylnaphthalene (C12.89) | 3.7                     | 0.0063                           | 2.0784                           | 56    |      | (40-140)         |
| n-Tetradecane (C14)          | 3.7                     | 0.0107                           | 2.1359                           | 57    |      | (40-140)         |
| n-Hexadecane (C16)           | 3.7                     | 0.0057                           | 2.1631                           | 58    |      | (40-140)         |
| n-Octadecane (C18)           | 3.7                     | 0.0055                           | 2.1524                           | 58    |      | (40-140)         |
| n-Eicosane (C20)             | 3.7                     | 0.0064                           | 2.2529                           | 61    |      | (40-140)         |
| n-Heneicosane (C21)          | 3.7                     | 0.0100                           | 2.2783                           | 61    |      | (40-140)         |
| n-Docosane (C22)             | 3.7                     | 0.0113                           | 2.2582                           | 61    |      | (40-140)         |
| n-Tetracosane (C24)          | 7.3                     | 0.0422                           | 6.6772                           | 91    |      | (40-140)         |
| n-Hexacosane (C26)           | 3.7                     | 0.0165                           | 2.1813                           | 59    |      | (40-140)         |
| n-Octacosane (C28)           | 3.7                     | 0.0471                           | 2.2362                           | 59    |      | (40-140)         |
| n-Tricontane (C30)           | 3.7                     | 0.0712                           | 2.1325                           | 56    |      | (40-140)         |
| n-Dotriacontane (C32)        | 3.7                     | 0.1018                           | 2.2041                           | 57    |      | (40-140)         |
| n-Tetratriacontane (C34)     | 3.7                     | 0.1178                           | 2.4596                           | 63    |      | (40-140)         |
| n-Hexatriacontane (C36)      | 3.7                     | 0.2506                           | 2.8854                           | 71    |      | (40-140)         |
| n-Octatriacontane (C38)      | 3.7                     | 0.2830                           | 3.1235                           | 77    |      | (40-140)         |
| n-Tetracontane (C40)         | 3.7                     | 0.2191                           | 3.1332                           | 79    |      | (40-140)         |

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

|                    |                    |                    |                   |
|--------------------|--------------------|--------------------|-------------------|
| <b>Lab Name:</b>   | <u>Alliance</u>    | <b>Client:</b>     | <u>HDR, Inc.</u>  |
| <b>Lab Code:</b>   | <u>ACE</u>         | <b>SDG No:</b>     | <u>Q3466</u>      |
| <b>Sample No :</b> | <u>Q3469-01MSD</u> | <b>Datafile:</b>   | <u>FC070066.D</u> |
|                    |                    | <b>Client ID :</b> | <u>TP-13MSD</u>   |

| 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 | 32.9                    | 4.96                             | 28.1                             | 70    |      | 2.59   (40-140) 50                     |
| Aliphatic C9-C28  | 109.6                   | 3.38                             | 62.6                             | 54    |      | 2.2   (40-140) 50                      |

| 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<br>Of RPD |
|------------------------------|-------------------------|----------------------------------|----------------------------------|-------|------|----------------------------------------|
| n-Nonane (C9)                | 3.7                     | 0.0031                           | 1.7365                           | 47    |      | 4.35   (40-140) 50                     |
| n-Decane (C10)               | 3.7                     | 0.0092                           | 4.0690                           | 110   |      | 3.7   (40-140) 50                      |
| Naphthalene (C11.7)          | 3.7                     | 0.0145                           | 2.1994                           | 59    |      | 3.45   (40-140) 50                     |
| n-Dodecane (C12)             | 3.7                     | 0.0033                           | 2.0541                           | 55    |      | 3.7   (40-140) 50                      |
| 2-methylnaphthalene (C12.89) | 3.7                     | 0.0063                           | 2.1360                           | 58    |      | 3.51   (40-140) 50                     |
| n-Tetradecane (C14)          | 3.7                     | 0.0107                           | 2.2108                           | 59    |      | 3.45   (40-140) 50                     |
| n-Hexadecane (C16)           | 3.7                     | 0.0057                           | 2.2250                           | 60    |      | 3.39   (40-140) 50                     |
| n-Octadecane (C18)           | 3.7                     | 0.0055                           | 2.2091                           | 60    |      | 3.39   (40-140) 50                     |
| n-Eicosane (C20)             | 3.7                     | 0.0064                           | 2.3083                           | 62    |      | 1.63   (40-140) 50                     |
| n-Heneicosane (C21)          | 3.7                     | 0.0100                           | 2.3318                           | 63    |      | 3.23   (40-140) 50                     |
| n-Docosane (C22)             | 3.7                     | 0.0113                           | 2.3080                           | 62    |      | 1.63   (40-140) 50                     |
| n-Tetracosane (C24)          | 7.3                     | 0.0422                           | 4.5284                           | 61    |      | 39.47   (40-140) 50                    |
| n-Hexacosane (C26)           | 3.7                     | 0.0165                           | 2.2292                           | 60    |      | 1.68   (40-140) 50                     |
| n-Octacosane (C28)           | 3.7                     | 0.0471                           | 2.2840                           | 60    |      | 1.68   (40-140) 50                     |
| n-Tricontane (C30)           | 3.7                     | 0.0712                           | 2.1840                           | 57    |      | 1.77   (40-140) 50                     |
| n-Dotriacontane (C32)        | 3.7                     | 0.1018                           | 2.2614                           | 58    |      | 1.74   (40-140) 50                     |
| n-Tetratriacontane (C34)     | 3.7                     | 0.1178                           | 2.5171                           | 65    |      | 3.13   (40-140) 50                     |
| n-Hexatriacontane (C36)      | 3.7                     | 0.2506                           | 2.9192                           | 72    |      | 1.4   (40-140) 50                      |
| n-Octatriacontane (C38)      | 3.7                     | 0.2830                           | 3.1679                           | 78    |      | 1.29   (40-140) 50                     |
| n-Tetracontane (C40)         | 3.7                     | 0.2191                           | 3.2195                           | 81    |      | 2.5   (40-140) 50                      |

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

|                    |                   |                    |                   |
|--------------------|-------------------|--------------------|-------------------|
| <b>Lab Name:</b>   | <u>Alliance</u>   | <b>Client:</b>     | <u>HDR, Inc.</u>  |
| <b>Lab Code:</b>   | <u>ACE</u>        | <b>SDG No:</b>     | <u>Q3466</u>      |
| <b>Sample No :</b> | <u>PB170266BS</u> | <b>Datafile:</b>   | <u>FC070061.D</u> |
|                    |                   | <b>Client ID :</b> | <u>PB170266BS</u> |

| COMPOUND          | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC LIMITS (%) |
|-------------------|-------------------------|------------------------------------|-------|------|---------------|
| Aliphatic C28-C40 | 30.0                    | 28.0                               | 93    |      | (40-140)      |
| Aliphatic C9-C28  | 99.9                    | 68.7                               | 69    |      | (40-140)      |

| COMPOUND                     | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | QC<br>LIMITS(%) |
|------------------------------|-------------------------|------------------------------------|-------|------|-----------------|
| n-Nonane (C9)                | 3.3                     | 2.25552                            | 68    |      | (40-140)        |
| n-Decane (C10)               | 3.3                     | 2.34385                            | 71    |      | (40-140)        |
| Naphthalene (C11.7)          | 3.3                     | 2.53598                            | 77    |      | (40-140)        |
| n-Dodecane (C12)             | 3.3                     | 2.44856                            | 74    |      | (40-140)        |
| 2-methylnaphthalene (C12.89) | 3.3                     | 2.47994                            | 75    |      | (40-140)        |
| n-Tetradecane (C14)          | 3.3                     | 2.55049                            | 77    |      | (40-140)        |
| n-Hexadecane (C16)           | 3.3                     | 2.54647                            | 77    |      | (40-140)        |
| n-Octadecane (C18)           | 3.3                     | 2.53084                            | 77    |      | (40-140)        |
| n-Eicosane (C20)             | 3.3                     | 2.69875                            | 82    |      | (40-140)        |
| n-Heneicosane (C21)          | 3.3                     | 2.66821                            | 81    |      | (40-140)        |
| n-Docosane (C22)             | 3.3                     | 2.63257                            | 80    |      | (40-140)        |
| n-Tetracosane (C24)          | 6.7                     | 5.01553                            | 75    |      | (40-140)        |
| n-Hexacosane (C26)           | 3.3                     | 2.56319                            | 78    |      | (40-140)        |
| n-Octacosane (C28)           | 3.3                     | 2.54539                            | 77    |      | (40-140)        |
| n-Tricontane (C30)           | 3.3                     | 2.55395                            | 77    |      | (40-140)        |
| n-Dotriacontane (C32)        | 3.3                     | 2.63521                            | 80    |      | (40-140)        |
| n-Tetratriacontane (C34)     | 3.3                     | 3.02789                            | 92    |      | (40-140)        |
| n-Hexatriacontane (C36)      | 3.3                     | 3.34275                            | 101   |      | (40-140)        |
| n-Octatriacontane (C38)      | 3.3                     | 3.82757                            | 116   |      | (40-140)        |
| n-Tetracontane (C40)         | 3.3                     | 3.97533                            | 120   |      | (40-140)        |

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

|                    |                    |                    |                    |
|--------------------|--------------------|--------------------|--------------------|
| <b>Lab Name:</b>   | <u>Alliance</u>    | <b>Client:</b>     | <u>HDR, Inc.</u>   |
| <b>Lab Code:</b>   | <u>ACE</u>         | <b>SDG No:</b>     | <u>Q3466</u>       |
| <b>Sample No :</b> | <u>PB170266BSD</u> | <b>Datafile:</b>   | <u>FC070062.D</u>  |
|                    |                    | <b>Client ID :</b> | <u>PB170266BSD</u> |

| 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                    | 28.8                               | 96    |      | 2.8  (40-140)       | 25                 |
| Aliphatic C9-C28  | 99.9                    | 70.8                               | 71    |      | 3  (40-140)         | 25                 |

| COMPOUND                     | SPIKE<br>ADDED<br>mg/kg | LCS/LCSD<br>CONCENTRATION<br>mg/kg | % REC | Qual | RPD   QC LIMITS(%) | QC Limit Of<br>RPD |
|------------------------------|-------------------------|------------------------------------|-------|------|--------------------|--------------------|
| n-Nonane (C9)                | 3.3                     | 2.32995                            | 71    |      | 4.32  (40-140)     | 25                 |
| n-Decane (C10)               | 3.3                     | 2.42819                            | 74    |      | 4.14  (40-140)     | 25                 |
| Naphthalene (C11.7)          | 3.3                     | 2.61804                            | 79    |      | 2.56  (40-140)     | 25                 |
| n-Dodecane (C12)             | 3.3                     | 2.54076                            | 77    |      | 3.97  (40-140)     | 25                 |
| 2-methylnaphthalene (C12.89) | 3.3                     | 2.55783                            | 78    |      | 3.92  (40-140)     | 25                 |
| n-Tetradecane (C14)          | 3.3                     | 2.65714                            | 81    |      | 5.06  (40-140)     | 25                 |
| n-Hexadecane (C16)           | 3.3                     | 2.65385                            | 80    |      | 3.82  (40-140)     | 25                 |
| n-Octadecane (C18)           | 3.3                     | 2.63803                            | 80    |      | 3.82  (40-140)     | 25                 |
| n-Eicosane (C20)             | 3.3                     | 2.81023                            | 85    |      | 3.59  (40-140)     | 25                 |
| n-Heneicosane (C21)          | 3.3                     | 2.77478                            | 84    |      | 3.64  (40-140)     | 25                 |
| n-Docosane (C22)             | 3.3                     | 2.73499                            | 83    |      | 3.68  (40-140)     | 25                 |
| n-Tetracosane (C24)          | 6.7                     | 5.15029                            | 77    |      | 2.63  (40-140)     | 25                 |
| n-Hexacosane (C26)           | 3.3                     | 2.64638                            | 80    |      | 2.53  (40-140)     | 25                 |
| n-Octacosane (C28)           | 3.3                     | 2.62971                            | 80    |      | 3.82  (40-140)     | 25                 |
| n-Tricontane (C30)           | 3.3                     | 2.64328                            | 80    |      | 3.82  (40-140)     | 25                 |
| n-Dotriacontane (C32)        | 3.3                     | 2.73376                            | 83    |      | 3.68  (40-140)     | 25                 |
| n-Tetratriacontane (C34)     | 3.3                     | 3.14251                            | 95    |      | 3.21  (40-140)     | 25                 |
| n-Hexatriacontane (C36)      | 3.3                     | 3.45412                            | 105   |      | 3.88  (40-140)     | 25                 |
| n-Octatriacontane (C38)      | 3.3                     | 3.91055                            | 119   |      | 2.55  (40-140)     | 25                 |
| n-Tetracontane (C40)         | 3.3                     | 4.04431                            | 123   |      | 2.47  (40-140)     | 25                 |

4B  
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170266BL

Lab Name: Alliance

Contract: HDRI08

Lab Code: ACE

SDG NO.: Q3466

Instrument ID: FID\_C

Lab Sample ID: PB170266BL

Matrix: (soil/water) Solid

Date Extracted: 10/28/2025 9:05:00

Level: (low/med) low

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

| CLIENT<br>SAMPLE NO. | LAB<br>SAMPLE ID |
|----------------------|------------------|
| PB170266BS           | PB170266BS       |
| PB170266BSD          | PB170266BSD      |
| B8-0.0-1.0-20251023  | Q3466-02         |
| B9-0.0-1.0-20251023  | Q3466-05         |
| B7-1.0-2.0-20251023  | Q3466-07         |
| TP-13MS              | Q3469-01MS       |
| TP-13MSD             | Q3469-01MSD      |

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



# SAMPLE DATA

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: | 10/23/25 |
| Project:           | PVWC Linear Construction | Date Received:  | 10/24/25 |
| Client Sample ID:  | B8-0.0-1.0-20251023      | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3466-02                 | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 85.3     |
| Sample Wt/Vol:     | 30.05 g                  | Test:           | EPH_NF   |
| Prep Method :      |                          | Final Vol:      | 2000 uL  |
|                    |                          | Prep Date :     | 10/28/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 28.4  |      | 1  | 1.38 | 2.34       | mg/kg | FE056540.D | 10/28/25 15:24 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 6.97  |      | 1  | 1.06 | 4.68       | mg/kg | FE056540.D | 10/28/25 15:24 | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 35.4  |      |    | 2.44 | 7.02       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 35.4  |      |    | 2.44 | 7.02       | mg/kg |            |                |              |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: | 10/23/25 |
| Project:           | PVWC Linear Construction | Date Received:  | 10/24/25 |
| Client Sample ID:  | B8-0.0-1.0-20251023      | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3466-02                 | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 85.3     |
| Sample Wt/Vol:     | 30.05 g                  | Final Vol:      | 2000 uL  |
| Prep Method :      |                          | Prep Date       | 10/28/25 |
|                    |                          | Test:           | EPH_NF   |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 6.97  | 1    |    | 1.06     | 4.68       | mg/kg   | 10/28/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 28.4  | 1    |    | 1.38     | 2.34       | mg/kg   | 10/28/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 26.8  |      |    | 40 - 140 | 54%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 26.0  |      |    | 40 - 140 | 52%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |                     |                    |                   |
|-------------------|---------------------|--------------------|-------------------|
| Lab Sample ID:    | Q3466-02            | Acq On:            | 28 Oct 2025 15:24 |
| Client Sample ID: | B8-0.0-1.0-20251023 | Operator:          | YP\AJ             |
| Data file:        | FE056540.D          | Misc:              |                   |
| Instrument:       | FID_E               | ALS Vial:          | 15                |
| Dilution Factor:  | 1                   | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.240  | 6.866  | 418631   | 2.536   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.867  | 10.314 | 1625526  | 9.531   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.315 | 13.690 | 8054238  | 45.087  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.691 | 17.361 | 5752880  | 32.123  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.362 | 22.315 | 50437749 | 363.377 | 600              | ug/ml |
| Aliphatic EPH             | 3.240  | 22.315 | 66289024 | 452.654 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.986 | 11.986 | 5304696  | 25.97   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.426 | 13.426 | 4090797  | 26.81   |                  | ug/ml |
| Aliphatic C9-C28          | 3.240  | 17.361 | 15851275 | 89.277  | 1200             | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102825AL\  
 Data File : FE056540.D  
 Signal(s) : FID1B.ch  
 Acq On : 28 Oct 2025 15:24  
 Operator : YP\AJ  
 Sample : Q3466-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 B8-0.0-1.0-20251023

Integration File: sample.E  
 Quant Time: Oct 29 04:12:52 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 28 14:34:40 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)    | 11.986 | 5304696    | 25.966 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 51.93%       |
| 12) S 1-chlorooctadecane (S... | 13.426 | 4090797    | 26.811 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 53.62%       |

Target Compounds

(f)=RT Delta > 1/2 Window

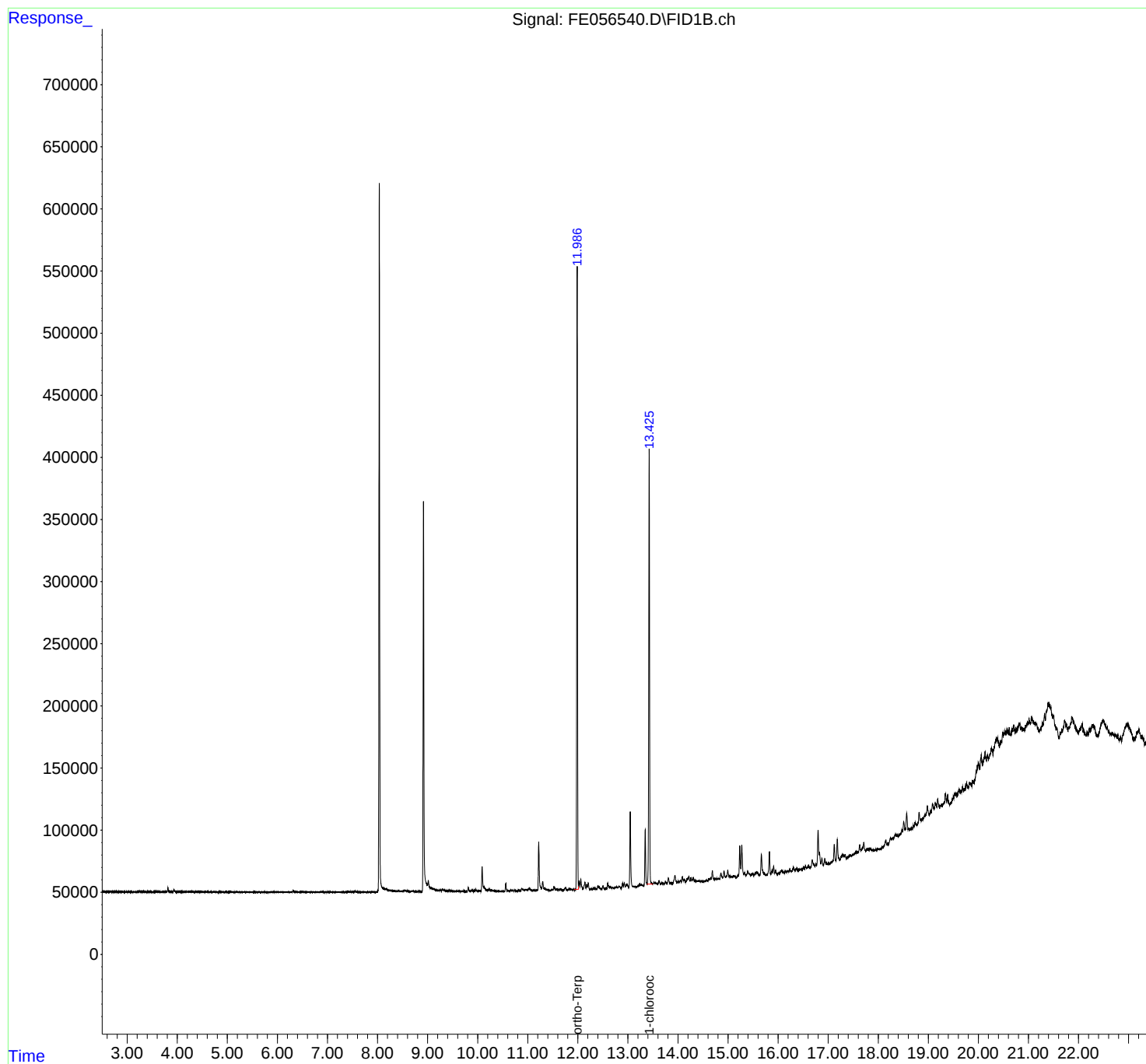
(m)=manual int.

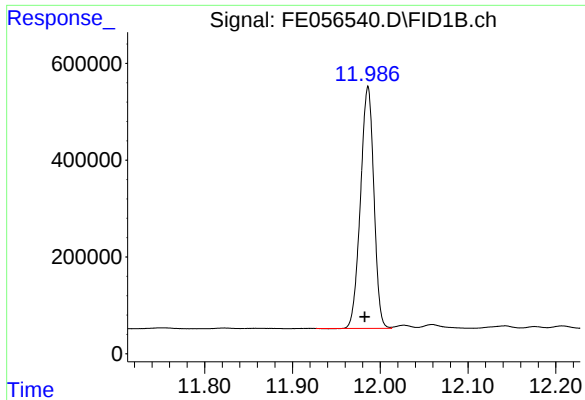
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102825AL\  
Data File : FE056540.D  
Signal(s) : FID1B.ch  
Acq On : 28 Oct 2025 15:24  
Operator : YP\AJ  
Sample : Q3466-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
B8-0.0-1.0-20251023

Integration File: sample.E  
Quant Time: Oct 29 04:12:52 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 28 14:34:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

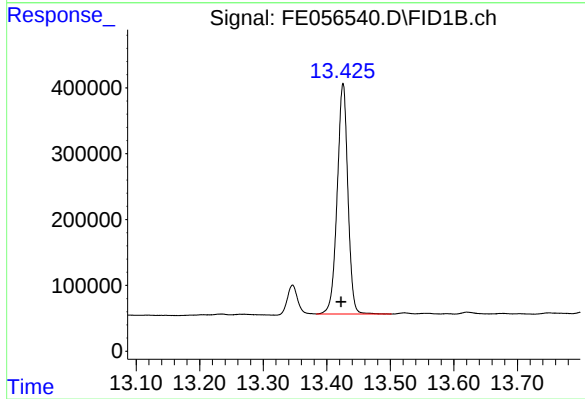




#9 ortho-Terphenyl (SURR)

R.T.: 11.986 min  
Delta R.T.: 0.003 min  
Response: 5304696  
Conc: 25.97 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
B8-0.0-1.0-20251023



#12 1-chlorooctadecane (SURR)

R.T.: 13.426 min  
Delta R.T.: 0.003 min  
Response: 4090797  
Conc: 26.81 ug/ml

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: | 10/23/25 |
| Project:           | PVWC Linear Construction | Date Received:  | 10/24/25 |
| Client Sample ID:  | B9-0.0-1.0-20251023      | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3466-05                 | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 83.2     |
| Sample Wt/Vol:     | 30.01 g                  | Test:           | EPH_NF   |
| Prep Method :      |                          | Final Vol:      | 2000 uL  |
|                    |                          | Prep Date :     | 10/28/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.     | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|---------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |               |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 7.88  |      | 1  | 1.42 | 2.40       | mg/kg | FE056554.D | 10/29/25 8:05 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 6.17  |      | 1  | 1.09 | 4.80       | mg/kg | FE056554.D | 10/29/25 8:05 | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 14.1  |      |    | 2.51 | 7.20       | mg/kg |            |               |              |
| Total EPH          | Total EPH          | 14.1  |      |    | 2.51 | 7.20       | mg/kg |            |               |              |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: | 10/23/25 |
| Project:           | PVWC Linear Construction | Date Received:  | 10/24/25 |
| Client Sample ID:  | B9-0.0-1.0-20251023      | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3466-05                 | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 83.2     |
| Sample Wt/Vol:     | 30.01 g                  | Final Vol:      | 2000 uL  |
| Prep Method :      |                          | Prep Date       | 10/28/25 |
|                    |                          | Test:           | EPH_NF   |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 6.17  | 1    |    | 1.09     | 4.80       | mg/kg   | 10/29/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 7.88  | 1    |    | 1.42     | 2.40       | mg/kg   | 10/29/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 28.4  |      |    | 40 - 140 | 57%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 37.1  |      |    | 40 - 140 | 74%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |                     |                    |                   |
|-------------------|---------------------|--------------------|-------------------|
| Lab Sample ID:    | Q3466-05            | Acq On:            | 29 Oct 2025 08:05 |
| Client Sample ID: | B9-0.0-1.0-20251023 | Operator:          | YP\AJ             |
| Data file:        | FE056554.D          | Misc:              |                   |
| Instrument:       | FID_E               | ALS Vial:          | 11                |
| Dilution Factor:  | 1                   | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.236  | 6.863  | 382413   | 2.317   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.864  | 10.312 | 743348   | 4.359   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.313 | 13.688 | 9207483  | 51.543  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.689 | 17.359 | 3373579  | 18.837  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.360 | 22.313 | 13649036 | 98.334  | 600              | ug/ml |
| Aliphatic EPH             | 3.236  | 22.313 | 27355859 | 175.389 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.988 | 11.988 | 7578616  | 37.1    |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.425 | 13.425 | 4326349  | 28.35   |                  | ug/ml |
| Aliphatic C9-C28          | 3.236  | 17.359 | 13706823 | 77.056  | 1200             | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102925AL\  
 Data File : FE056554.D  
 Signal(s) : FID1B.ch  
 Acq On : 29 Oct 2025 08:05  
 Operator : YP\AJ  
 Sample : Q3466-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 B9-0.0-1.0-20251023

Integration File: sample.E  
 Quant Time: Oct 30 01:23:31 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 28 14:34:40 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)    | 11.988 | 7578616  | 37.097 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 74.19%     |
| 12) S 1-chlorooctadecane (S... | 13.425 | 4326349  | 28.355 ug/ml |
| Spiked Amount                  | 50.000 | Recovery | = 56.71%     |

Target Compounds

(f)=RT Delta > 1/2 Window

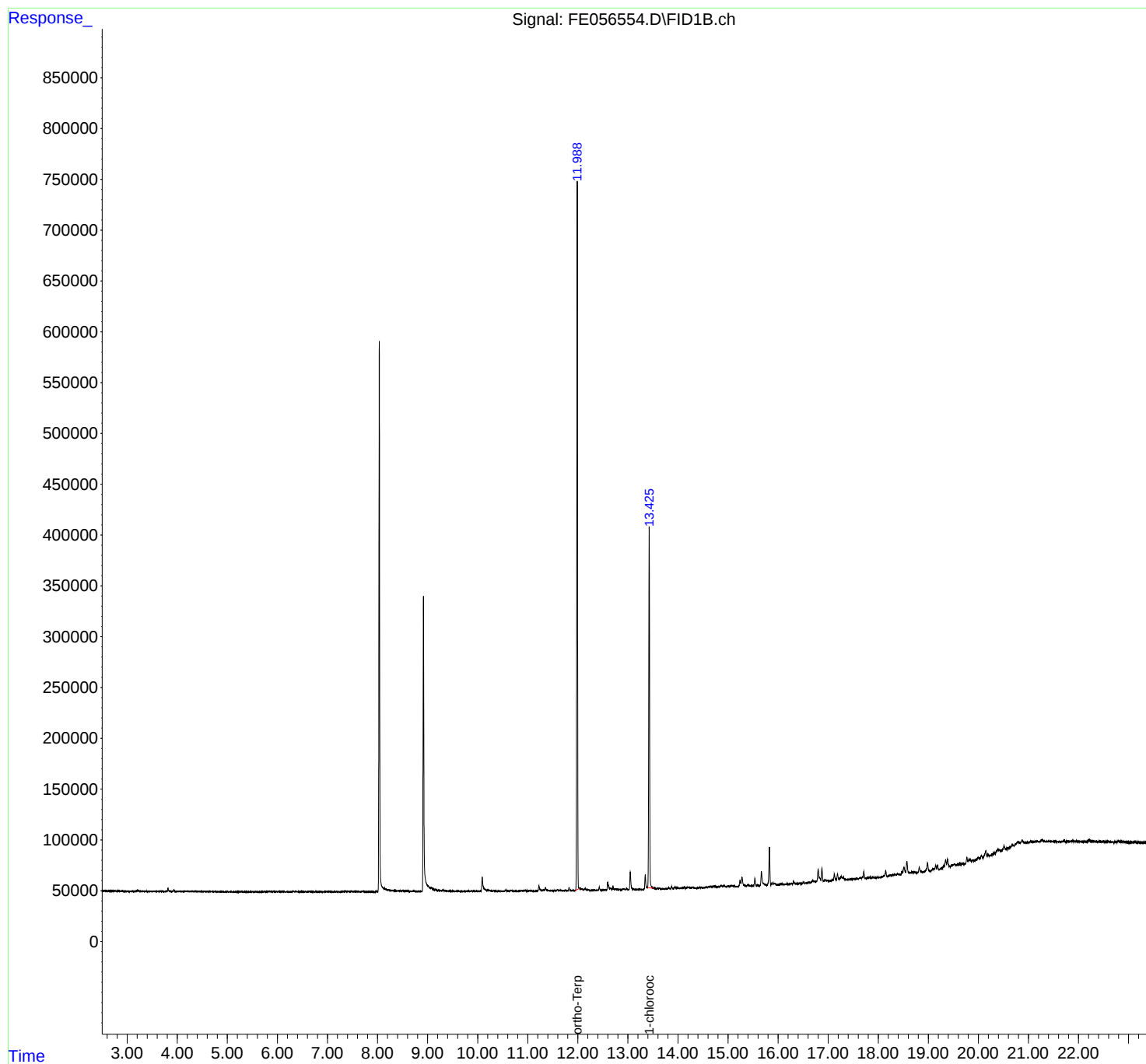
(m)=manual int.

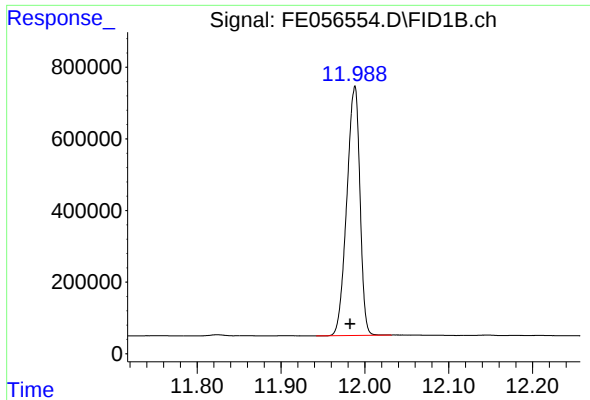
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102925AL\  
Data File : FE056554.D  
Signal(s) : FID1B.ch  
Acq On : 29 Oct 2025 08:05  
Operator : YP\AJ  
Sample : Q3466-05  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
B9-0.0-1.0-20251023

Integration File: sample.E  
Quant Time: Oct 30 01:23:31 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 28 14:34:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

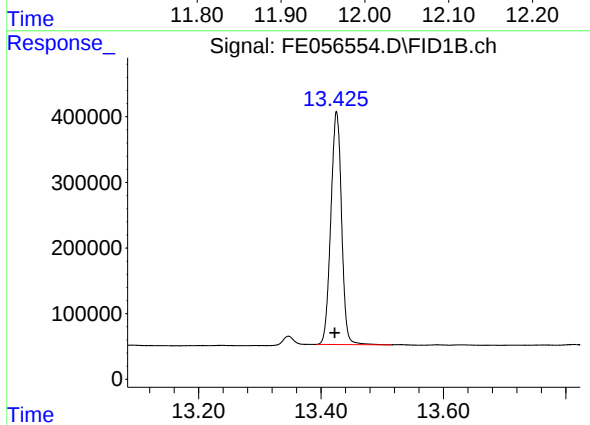




#9 ortho-Terphenyl (SURR)

R.T.: 11.988 min  
Delta R.T.: 0.005 min  
Response: 7578616  
Conc: 37.10 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
B9-0.0-1.0-20251023



#12 1-chlorooctadecane (SURR)

R.T.: 13.425 min  
Delta R.T.: 0.003 min  
Response: 4326349  
Conc: 28.35 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102925AL\  
 Data File : FE056554.D  
 Signal(s) : FID1B.ch  
 Acq On : 29 Oct 2025 08:05  
 Sample : Q3466-05  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Title : GC Extractables

Signal : FID1B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 2.839       | 2.804        | 2.858      | BV       | 171            | 2873         | 0.04%          | 0.009%        |
| 2         | 2.876       | 2.858        | 2.962      | VV       | 178            | 3691         | 0.05%          | 0.012%        |
| 3         | 2.972       | 2.962        | 3.001      | VV       | 108            | 1201         | 0.02%          | 0.004%        |
| 4         | 3.015       | 3.001        | 3.061      | VV       | 174            | 2220         | 0.03%          | 0.007%        |
| 5         | 3.080       | 3.061        | 3.102      | PV       | 113            | 1909         | 0.02%          | 0.006%        |
| 6         | 3.111       | 3.102        | 3.166      | VV       | 157            | 2578         | 0.03%          | 0.008%        |
| 7         | 3.205       | 3.166        | 3.318      | VV       | 799            | 32353        | 0.42%          | 0.101%        |
| 8         | 3.334       | 3.318        | 3.374      | VV       | 245            | 5537         | 0.07%          | 0.017%        |
| 9         | 3.390       | 3.374        | 3.465      | VV       | 214            | 6369         | 0.08%          | 0.020%        |
| 10        | 3.490       | 3.465        | 3.600      | VV       | 241            | 12924        | 0.17%          | 0.041%        |
| 11        | 3.623       | 3.600        | 3.676      | VV       | 212            | 5847         | 0.08%          | 0.018%        |
| 12        | 3.694       | 3.676        | 3.730      | VV       | 530            | 6485         | 0.08%          | 0.020%        |
| 13        | 3.745       | 3.730        | 3.761      | VV       | 122            | 1569         | 0.02%          | 0.005%        |
| 14        | 3.774       | 3.761        | 3.798      | VV       | 270            | 4408         | 0.06%          | 0.014%        |
| 15        | 3.815       | 3.798        | 3.909      | VV       | 3613           | 44528        | 0.58%          | 0.140%        |
| 16        | 3.933       | 3.909        | 3.994      | VV       | 1804           | 24620        | 0.32%          | 0.077%        |
| 17        | 4.021       | 3.994        | 4.051      | VV       | 242            | 4511         | 0.06%          | 0.014%        |
| 18        | 4.059       | 4.051        | 4.091      | VV       | 165            | 2612         | 0.03%          | 0.008%        |
| 19        | 4.097       | 4.091        | 4.109      | VV       | 138            | 1012         | 0.01%          | 0.003%        |
| 20        | 4.151       | 4.109        | 4.202      | VV       | 440            | 17386        | 0.23%          | 0.055%        |
| 21        | 4.210       | 4.202        | 4.231      | VV       | 357            | 5235         | 0.07%          | 0.016%        |
| 22        | 4.255       | 4.231        | 4.306      | VV       | 327            | 11512        | 0.15%          | 0.036%        |
| 23        | 4.345       | 4.306        | 4.403      | VV       | 369            | 17314        | 0.22%          | 0.054%        |
| 24        | 4.413       | 4.403        | 4.504      | VV       | 301            | 12994        | 0.17%          | 0.041%        |
| 25        | 4.508       | 4.504        | 4.524      | VV       | 215            | 1886         | 0.02%          | 0.006%        |
| 26        | 4.538       | 4.524        | 4.551      | VV       | 205            | 2809         | 0.04%          | 0.009%        |
| 27        | 4.555       | 4.551        | 4.571      | VV       | 202            | 1940         | 0.03%          | 0.006%        |
| 28        | 4.595       | 4.571        | 4.615      | VV       | 295            | 5800         | 0.08%          | 0.018%        |
| 29        | 4.629       | 4.615        | 4.645      | VV       | 193            | 3195         | 0.04%          | 0.010%        |
| 30        | 4.661       | 4.645        | 4.702      | VV       | 172            | 5651         | 0.07%          | 0.018%        |
| 31        | 4.710       | 4.702        | 4.740      | VV       | 199            | 2165         | 0.03%          | 0.007%        |
| 32        | 4.762       | 4.740        | 4.798      | PV       | 366            | 5194         | 0.07%          | 0.016%        |
| 33        | 4.822       | 4.798        | 4.837      | VV       | 124            | 1985         | 0.03%          | 0.006%        |
| 34        | 4.847       | 4.837        | 4.934      | VV       | 144            | 5099         | 0.07%          | 0.016%        |
| 35        | 4.943       | 4.934        | 4.971      | VV       | 82             | 1705         | 0.02%          | 0.005%        |
| 36        | 5.032       | 4.971        | 5.086      | VV       | 164            | 6927         | 0.09%          | 0.022%        |

|    |        |        |        |    | rteres |        |       |        |
|----|--------|--------|--------|----|--------|--------|-------|--------|
| 37 | 5.098  | 5.086  | 5.138  | VV | 110    | 2761   | 0.04% | 0.009% |
| 38 | 5.144  | 5.138  | 5.164  | VV | 144    | 1397   | 0.02% | 0.004% |
| 39 | 5.171  | 5.164  | 5.195  | VV | 147    | 1115   | 0.01% | 0.003% |
| 40 | 5.219  | 5.195  | 5.233  | VV | 94     | 1361   | 0.02% | 0.004% |
| 41 | 5.252  | 5.233  | 5.275  | VV | 219    | 2966   | 0.04% | 0.009% |
| 42 | 5.297  | 5.275  | 5.344  | VV | 123    | 2389   | 0.03% | 0.007% |
| 43 | 5.355  | 5.344  | 5.368  | PV | 88     | 693    | 0.01% | 0.002% |
| 44 | 5.376  | 5.368  | 5.398  | VV | 71     | 794    | 0.01% | 0.002% |
| 45 | 5.419  | 5.398  | 5.465  | VV | 119    | 3247   | 0.04% | 0.010% |
| 46 | 5.474  | 5.465  | 5.522  | VV | 103    | 2282   | 0.03% | 0.007% |
| 47 | 5.546  | 5.522  | 5.593  | PV | 292    | 6797   | 0.09% | 0.021% |
| 48 | 5.610  | 5.593  | 5.653  | VV | 147    | 2894   | 0.04% | 0.009% |
| 49 | 5.662  | 5.653  | 5.690  | VV | 95     | 1414   | 0.02% | 0.004% |
| 50 | 5.701  | 5.690  | 5.714  | VV | 77     | 839    | 0.01% | 0.003% |
| 51 | 5.732  | 5.714  | 5.762  | VV | 234    | 4681   | 0.06% | 0.015% |
| 52 | 5.770  | 5.762  | 5.808  | VV | 205    | 3609   | 0.05% | 0.011% |
| 53 | 5.819  | 5.808  | 5.888  | VV | 241    | 10188  | 0.13% | 0.032% |
| 54 | 5.931  | 5.888  | 5.960  | VV | 322    | 8893   | 0.12% | 0.028% |
| 55 | 6.006  | 5.960  | 6.024  | VV | 280    | 7545   | 0.10% | 0.024% |
| 56 | 6.030  | 6.024  | 6.061  | VV | 268    | 3948   | 0.05% | 0.012% |
| 57 | 6.089  | 6.061  | 6.114  | VV | 306    | 7532   | 0.10% | 0.024% |
| 58 | 6.122  | 6.114  | 6.174  | VV | 303    | 6459   | 0.08% | 0.020% |
| 59 | 6.188  | 6.174  | 6.256  | VV | 204    | 6792   | 0.09% | 0.021% |
| 60 | 6.314  | 6.256  | 6.354  | VV | 678    | 16495  | 0.21% | 0.052% |
| 61 | 6.362  | 6.354  | 6.383  | VV | 216    | 3402   | 0.04% | 0.011% |
| 62 | 6.389  | 6.383  | 6.408  | VV | 214    | 2538   | 0.03% | 0.008% |
| 63 | 6.413  | 6.408  | 6.440  | VV | 180    | 2829   | 0.04% | 0.009% |
| 64 | 6.477  | 6.440  | 6.534  | VV | 424    | 10543  | 0.14% | 0.033% |
| 65 | 6.557  | 6.534  | 6.598  | VV | 326    | 7584   | 0.10% | 0.024% |
| 66 | 6.652  | 6.598  | 6.728  | VV | 310    | 13392  | 0.17% | 0.042% |
| 67 | 6.767  | 6.728  | 6.826  | VV | 234    | 5815   | 0.08% | 0.018% |
| 68 | 6.872  | 6.826  | 6.973  | VV | 160    | 9229   | 0.12% | 0.029% |
| 69 | 6.997  | 6.973  | 7.016  | PV | 323    | 4573   | 0.06% | 0.014% |
| 70 | 7.043  | 7.016  | 7.201  | VV | 391    | 16047  | 0.21% | 0.050% |
| 71 | 7.353  | 7.201  | 7.388  | VV | 420    | 22692  | 0.29% | 0.071% |
| 72 | 7.417  | 7.388  | 7.439  | VV | 406    | 9913   | 0.13% | 0.031% |
| 73 | 7.461  | 7.439  | 7.514  | VV | 363    | 13236  | 0.17% | 0.042% |
| 74 | 7.569  | 7.514  | 7.691  | VV | 267    | 20751  | 0.27% | 0.065% |
| 75 | 7.716  | 7.691  | 7.781  | VV | 273    | 7306   | 0.09% | 0.023% |
| 76 | 7.819  | 7.781  | 7.934  | PV | 142    | 6735   | 0.09% | 0.021% |
| 77 | 8.500  | 8.458  | 8.584  | VV | 972    | 57368  | 0.74% | 0.180% |
| 78 | 8.598  | 8.584  | 8.660  | VV | 738    | 22388  | 0.29% | 0.070% |
| 79 | 8.722  | 8.660  | 8.811  | VV | 666    | 35386  | 0.46% | 0.111% |
| 80 | 8.831  | 8.811  | 8.884  | VV | 249    | 7285   | 0.09% | 0.023% |
| 81 | 9.300  | 9.271  | 9.384  | VV | 1275   | 64837  | 0.84% | 0.203% |
| 82 | 9.428  | 9.384  | 9.545  | VV | 798    | 44743  | 0.58% | 0.140% |
| 83 | 9.589  | 9.545  | 9.649  | VV | 368    | 17035  | 0.22% | 0.053% |
| 84 | 9.672  | 9.649  | 9.695  | VV | 192    | 4111   | 0.05% | 0.013% |
| 85 | 9.718  | 9.695  | 9.791  | VV | 208    | 7610   | 0.10% | 0.024% |
| 86 | 9.818  | 9.791  | 9.857  | VV | 526    | 12665  | 0.16% | 0.040% |
| 87 | 9.892  | 9.857  | 9.931  | VV | 588    | 16479  | 0.21% | 0.052% |
| 88 | 9.959  | 9.931  | 10.031 | VV | 369    | 12791  | 0.17% | 0.040% |
| 89 | 10.092 | 10.031 | 10.186 | VV | 13818  | 283005 | 3.66% | 0.888% |

|     |        |        |        |    |        |         |         |         |
|-----|--------|--------|--------|----|--------|---------|---------|---------|
|     |        |        |        |    | rteres |         |         |         |
| 90  | 10.207 | 10.186 | 10.302 | VV | 1188   | 47163   | 0.61%   | 0.148%  |
| 91  | 10.322 | 10.302 | 10.361 | VV | 428    | 10574   | 0.14%   | 0.033%  |
| 92  | 10.377 | 10.361 | 10.408 | VV | 282    | 5877    | 0.08%   | 0.018%  |
| 93  | 10.438 | 10.408 | 10.524 | VV | 223    | 6964    | 0.09%   | 0.022%  |
| 94  | 10.562 | 10.524 | 10.631 | PV | 1703   | 29429   | 0.38%   | 0.092%  |
| 95  | 10.661 | 10.631 | 10.728 | VV | 972    | 25870   | 0.33%   | 0.081%  |
| 96  | 10.742 | 10.728 | 10.798 | VV | 223    | 6135    | 0.08%   | 0.019%  |
| 97  | 10.883 | 10.798 | 10.901 | VV | 469    | 15063   | 0.19%   | 0.047%  |
| 98  | 10.952 | 10.901 | 10.998 | VV | 746    | 20836   | 0.27%   | 0.065%  |
| 99  | 11.050 | 10.998 | 11.114 | VV | 378    | 15986   | 0.21%   | 0.050%  |
| 100 | 11.225 | 11.114 | 11.279 | VV | 5084   | 94481   | 1.22%   | 0.296%  |
| 101 | 11.304 | 11.279 | 11.324 | VV | 1188   | 22194   | 0.29%   | 0.070%  |
| 102 | 11.355 | 11.324 | 11.498 | VV | 3226   | 79465   | 1.03%   | 0.249%  |
| 103 | 11.539 | 11.498 | 11.563 | VV | 230    | 7257    | 0.09%   | 0.023%  |
| 104 | 11.593 | 11.563 | 11.619 | VV | 1575   | 21735   | 0.28%   | 0.068%  |
| 105 | 11.662 | 11.619 | 11.702 | VV | 860    | 18649   | 0.24%   | 0.058%  |
| 106 | 11.755 | 11.702 | 11.788 | PV | 575    | 10481   | 0.14%   | 0.033%  |
| 107 | 11.824 | 11.788 | 11.884 | VV | 3198   | 44470   | 0.58%   | 0.139%  |
| 108 | 11.907 | 11.884 | 11.940 | VV | 546    | 7193    | 0.09%   | 0.023%  |
| 109 | 11.987 | 11.940 | 12.111 | PV | 701884 | 7726816 | 100.00% | 24.234% |
| 110 | 12.145 | 12.111 | 12.251 | VV | 2055   | 79153   | 1.02%   | 0.248%  |
| 111 | 12.272 | 12.251 | 12.296 | VV | 221    | 4099    | 0.05%   | 0.013%  |
| 112 | 12.330 | 12.296 | 12.357 | PV | 668    | 10973   | 0.14%   | 0.034%  |
| 113 | 12.428 | 12.357 | 12.481 | VV | 3364   | 47752   | 0.62%   | 0.150%  |
| 114 | 12.508 | 12.481 | 12.526 | VV | 343    | 6673    | 0.09%   | 0.021%  |
| 115 | 12.597 | 12.526 | 12.677 | VV | 7435   | 187004  | 2.42%   | 0.587%  |
| 116 | 12.701 | 12.677 | 12.738 | VV | 2784   | 58539   | 0.76%   | 0.184%  |
| 117 | 12.783 | 12.738 | 12.808 | VV | 779    | 30645   | 0.40%   | 0.096%  |
| 118 | 12.827 | 12.808 | 12.870 | VV | 652    | 16940   | 0.22%   | 0.053%  |
| 119 | 12.921 | 12.870 | 12.951 | VV | 1012   | 33222   | 0.43%   | 0.104%  |
| 120 | 12.974 | 12.951 | 13.021 | VV | 1212   | 25968   | 0.34%   | 0.081%  |
| 121 | 13.048 | 13.021 | 13.166 | VV | 17497  | 266869  | 3.45%   | 0.837%  |
| 122 | 13.237 | 13.166 | 13.271 | PV | 610    | 15671   | 0.20%   | 0.049%  |
| 123 | 13.347 | 13.271 | 13.391 | VV | 14410  | 216875  | 2.81%   | 0.680%  |
| 124 | 13.425 | 13.391 | 13.568 | VV | 357002 | 4462750 | 57.76%  | 13.997% |
| 125 | 13.590 | 13.568 | 13.610 | VV | 1072   | 18125   | 0.23%   | 0.057%  |
| 126 | 13.630 | 13.610 | 13.668 | VV | 918    | 19500   | 0.25%   | 0.061%  |
| 127 | 13.764 | 13.668 | 13.788 | VV | 434    | 19450   | 0.25%   | 0.061%  |
| 128 | 13.813 | 13.788 | 13.844 | VV | 1202   | 21448   | 0.28%   | 0.067%  |
| 129 | 13.875 | 13.844 | 13.904 | VV | 2296   | 30916   | 0.40%   | 0.097%  |
| 130 | 13.941 | 13.904 | 13.976 | VV | 1792   | 41053   | 0.53%   | 0.129%  |
| 131 | 14.000 | 13.976 | 14.028 | VV | 822    | 16501   | 0.21%   | 0.052%  |
| 132 | 14.054 | 14.028 | 14.070 | VV | 816    | 15358   | 0.20%   | 0.048%  |
| 133 | 14.092 | 14.070 | 14.108 | VV | 1197   | 18571   | 0.24%   | 0.058%  |
| 134 | 14.128 | 14.108 | 14.154 | VV | 1409   | 21669   | 0.28%   | 0.068%  |
| 135 | 14.180 | 14.154 | 14.201 | VV | 1160   | 21014   | 0.27%   | 0.066%  |
| 136 | 14.218 | 14.201 | 14.247 | VV | 1340   | 24651   | 0.32%   | 0.077%  |
| 137 | 14.293 | 14.247 | 14.360 | VV | 1262   | 37956   | 0.49%   | 0.119%  |
| 138 | 14.461 | 14.360 | 14.500 | PV | 977    | 28493   | 0.37%   | 0.089%  |
| 139 | 14.578 | 14.500 | 14.598 | VV | 774    | 21756   | 0.28%   | 0.068%  |
| 140 | 14.617 | 14.598 | 14.636 | VV | 1390   | 21849   | 0.28%   | 0.069%  |
| 141 | 14.654 | 14.636 | 14.672 | VV | 1168   | 18231   | 0.24%   | 0.057%  |

|     |        |        |        |    | rteres |        |       |        |
|-----|--------|--------|--------|----|--------|--------|-------|--------|
| 142 | 14.741 | 14.672 | 14.798 | VV | 1637   | 74028  | 0.96% | 0.232% |
| 143 | 14.816 | 14.798 | 14.831 | VV | 990    | 14852  | 0.19% | 0.047% |
| 144 | 14.868 | 14.831 | 14.897 | VV | 1584   | 42683  | 0.55% | 0.134% |
| 145 | 14.922 | 14.897 | 14.964 | VV | 2293   | 46003  | 0.60% | 0.144% |
|     |        |        |        |    |        |        |       |        |
| 146 | 15.006 | 14.964 | 15.046 | VV | 1015   | 38156  | 0.49% | 0.120% |
| 147 | 15.079 | 15.046 | 15.101 | VV | 1219   | 32257  | 0.42% | 0.101% |
| 148 | 15.122 | 15.101 | 15.171 | VV | 1667   | 27743  | 0.36% | 0.087% |
| 149 | 15.239 | 15.171 | 15.258 | PV | 6169   | 98215  | 1.27% | 0.308% |
| 150 | 15.279 | 15.258 | 15.364 | VV | 9242   | 202165 | 2.62% | 0.634% |
|     |        |        |        |    |        |        |       |        |
| 151 | 15.396 | 15.364 | 15.453 | VV | 1355   | 37238  | 0.48% | 0.117% |
| 152 | 15.475 | 15.453 | 15.500 | VV | 404    | 6774   | 0.09% | 0.021% |
| 153 | 15.536 | 15.500 | 15.571 | VV | 7499   | 99722  | 1.29% | 0.313% |
| 154 | 15.587 | 15.571 | 15.630 | VV | 742    | 13202  | 0.17% | 0.041% |
| 155 | 15.667 | 15.630 | 15.778 | PV | 13623  | 271041 | 3.51% | 0.850% |
|     |        |        |        |    |        |        |       |        |
| 156 | 15.826 | 15.778 | 15.858 | VV | 37825  | 504528 | 6.53% | 1.582% |
| 157 | 15.879 | 15.858 | 15.897 | VV | 2270   | 33041  | 0.43% | 0.104% |
| 158 | 15.918 | 15.897 | 15.981 | VV | 1790   | 56658  | 0.73% | 0.178% |
| 159 | 16.071 | 15.981 | 16.125 | VV | 945    | 40948  | 0.53% | 0.128% |
| 160 | 16.187 | 16.125 | 16.214 | VV | 639    | 19574  | 0.25% | 0.061% |
|     |        |        |        |    |        |        |       |        |
| 161 | 16.309 | 16.214 | 16.361 | VV | 2831   | 72841  | 0.94% | 0.228% |
| 162 | 16.376 | 16.361 | 16.401 | VV | 611    | 11410  | 0.15% | 0.036% |
| 163 | 16.432 | 16.401 | 16.460 | VV | 687    | 16379  | 0.21% | 0.051% |
| 164 | 16.510 | 16.460 | 16.541 | PV | 1281   | 31439  | 0.41% | 0.099% |
| 165 | 16.608 | 16.541 | 16.638 | VV | 1052   | 38574  | 0.50% | 0.121% |
|     |        |        |        |    |        |        |       |        |
| 166 | 16.691 | 16.638 | 16.743 | VV | 2086   | 88925  | 1.15% | 0.279% |
| 167 | 16.800 | 16.743 | 16.849 | VV | 12766  | 296748 | 3.84% | 0.931% |
| 168 | 16.875 | 16.849 | 16.908 | VV | 13781  | 206054 | 2.67% | 0.646% |
| 169 | 16.935 | 16.908 | 17.016 | VV | 2447   | 86353  | 1.12% | 0.271% |
| 170 | 17.124 | 17.016 | 17.157 | VV | 6904   | 171834 | 2.22% | 0.539% |
|     |        |        |        |    |        |        |       |        |
| 171 | 17.187 | 17.157 | 17.218 | VV | 6546   | 128271 | 1.66% | 0.402% |
| 172 | 17.259 | 17.218 | 17.278 | VV | 4336   | 106868 | 1.38% | 0.335% |
| 173 | 17.304 | 17.278 | 17.374 | VV | 3379   | 100139 | 1.30% | 0.314% |
| 174 | 17.438 | 17.374 | 17.471 | VV | 940    | 39144  | 0.51% | 0.123% |
| 175 | 17.507 | 17.471 | 17.534 | VV | 1065   | 28731  | 0.37% | 0.090% |
|     |        |        |        |    |        |        |       |        |
| 176 | 17.561 | 17.534 | 17.611 | VV | 1079   | 34308  | 0.44% | 0.108% |
| 177 | 17.641 | 17.611 | 17.661 | VV | 1481   | 35145  | 0.45% | 0.110% |
| 178 | 17.711 | 17.661 | 17.768 | VV | 7020   | 139498 | 1.81% | 0.438% |
| 179 | 17.843 | 17.768 | 17.870 | VV | 1059   | 49831  | 0.64% | 0.156% |
| 180 | 17.890 | 17.870 | 17.950 | VV | 740    | 21428  | 0.28% | 0.067% |
|     |        |        |        |    |        |        |       |        |
| 181 | 17.994 | 17.950 | 18.020 | PV | 503    | 11177  | 0.14% | 0.035% |
| 182 | 18.150 | 18.020 | 18.178 | PV | 6387   | 128822 | 1.67% | 0.404% |
| 183 | 18.241 | 18.178 | 18.261 | PV | 1635   | 35753  | 0.46% | 0.112% |
| 184 | 18.336 | 18.261 | 18.364 | VV | 1367   | 64616  | 0.84% | 0.203% |
| 185 | 18.385 | 18.364 | 18.431 | VV | 1631   | 39896  | 0.52% | 0.125% |
|     |        |        |        |    |        |        |       |        |
| 186 | 18.513 | 18.431 | 18.543 | VV | 7360   | 202785 | 2.62% | 0.636% |
| 187 | 18.572 | 18.543 | 18.631 | VV | 12679  | 250440 | 3.24% | 0.785% |
| 188 | 18.669 | 18.631 | 18.691 | VV | 2166   | 45411  | 0.59% | 0.142% |
| 189 | 18.704 | 18.691 | 18.778 | VV | 1236   | 38976  | 0.50% | 0.122% |
| 190 | 18.819 | 18.778 | 18.914 | PV | 5500   | 110367 | 1.43% | 0.346% |
|     |        |        |        |    |        |        |       |        |
| 191 | 18.984 | 18.914 | 19.039 | VV | 8369   | 166785 | 2.16% | 0.523% |
| 192 | 19.092 | 19.039 | 19.116 | PV | 1977   | 54197  | 0.70% | 0.170% |
| 193 | 19.146 | 19.116 | 19.168 | VV | 4489   | 83504  | 1.08% | 0.262% |
| 194 | 19.185 | 19.168 | 19.215 | VV | 5105   | 66545  | 0.86% | 0.209% |

|                         |        |        |        |    | rteres   |         |        |        |
|-------------------------|--------|--------|--------|----|----------|---------|--------|--------|
| 195                     | 19.345 | 19.215 | 19.364 | VV | 8780     | 229291  | 2.97%  | 0.719% |
| 196                     | 19.384 | 19.364 | 19.438 | VV | 9017     | 186617  | 2.42%  | 0.585% |
| 197                     | 19.472 | 19.438 | 19.490 | VV | 2266     | 58530   | 0.76%  | 0.184% |
| 198                     | 19.519 | 19.490 | 19.571 | VV | 3331     | 105543  | 1.37%  | 0.331% |
| 199                     | 19.632 | 19.571 | 19.653 | VV | 2480     | 92705   | 1.20%  | 0.291% |
| 200                     | 19.681 | 19.653 | 19.703 | VV | 2073     | 48612   | 0.63%  | 0.152% |
| 201                     | 19.770 | 19.703 | 19.791 | VV | 7352     | 155135  | 2.01%  | 0.487% |
| 202                     | 19.837 | 19.791 | 19.860 | VV | 5432     | 169673  | 2.20%  | 0.532% |
| 203                     | 19.887 | 19.860 | 19.924 | VV | 3540     | 116450  | 1.51%  | 0.365% |
| 204                     | 19.995 | 19.924 | 20.024 | VV | 5055     | 228823  | 2.96%  | 0.718% |
| 205                     | 20.060 | 20.024 | 20.094 | VV | 6580     | 216501  | 2.80%  | 0.679% |
| 206                     | 20.145 | 20.094 | 20.174 | VV | 10269    | 331308  | 4.29%  | 1.039% |
| 207                     | 20.203 | 20.174 | 20.228 | VV | 5815     | 178568  | 2.31%  | 0.560% |
| 208                     | 20.387 | 20.228 | 20.441 | VV | 9542     | 918736  | 11.89% | 2.881% |
| 209                     | 20.512 | 20.441 | 20.541 | VV | 12272    | 559509  | 7.24%  | 1.755% |
| 210                     | 20.675 | 20.541 | 20.714 | VV | 12854    | 1040796 | 13.47% | 3.264% |
| 211                     | 20.792 | 20.714 | 20.848 | VV | 14037    | 1005986 | 13.02% | 3.155% |
| 212                     | 20.873 | 20.848 | 20.951 | VV | 14746    | 788564  | 10.21% | 2.473% |
| 213                     | 21.057 | 20.951 | 21.087 | VV | 11730    | 941365  | 12.18% | 2.952% |
| 214                     | 21.168 | 21.087 | 21.228 | VV | 11012    | 916463  | 11.86% | 2.874% |
| 215                     | 21.270 | 21.228 | 21.369 | VV | 11833    | 857814  | 11.10% | 2.690% |
| 216                     | 21.391 | 21.369 | 21.570 | VV | 9102     | 980433  | 12.69% | 3.075% |
| 217                     | 21.612 | 21.570 | 21.678 | VV | 6985     | 425540  | 5.51%  | 1.335% |
| 218                     | 21.714 | 21.678 | 21.751 | VV | 6666     | 278088  | 3.60%  | 0.872% |
| 219                     | 21.940 | 21.751 | 22.061 | VV | 4554     | 836371  | 10.82% | 2.623% |
| 220                     | 22.106 | 22.061 | 22.138 | VV | 2754     | 119648  | 1.55%  | 0.375% |
| 221                     | 22.219 | 22.138 | 22.278 | VV | 2656     | 175453  | 2.27%  | 0.550% |
| 222                     | 22.295 | 22.278 | 22.334 | VV | 1313     | 39155   | 0.51%  | 0.123% |
| 223                     | 22.354 | 22.334 | 22.398 | VV | 797      | 18936   | 0.25%  | 0.059% |
| Sum of corrected areas: |        |        |        |    | 31884378 |         |        |        |

Aliphatic EPH 101725.M Thu Oct 30 01:57:11 2025

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: | 10/23/25 |
| Project:           | PVWC Linear Construction | Date Received:  | 10/24/25 |
| Client Sample ID:  | B7-1.0-2.0-20251023      | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3466-07                 | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 89.2     |
| Sample Wt/Vol:     | 30.06 g                  | Test:           | EPH_NF   |
| Prep Method :      |                          | Final Vol:      | 2000 uL  |
|                    |                          | Prep Date :     | 10/28/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 20.5  |      | 1  | 1.32 | 2.24       | mg/kg | FE056542.D | 10/28/25 16:25 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 3.02  | J    | 1  | 1.02 | 4.48       | mg/kg | FE056542.D | 10/28/25 16:25 | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 23.5  |      |    | 2.34 | 6.72       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 23.5  |      |    | 2.34 | 6.72       | mg/kg |            |                |              |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: | 10/23/25 |
| Project:           | PVWC Linear Construction | Date Received:  | 10/24/25 |
| Client Sample ID:  | B7-1.0-2.0-20251023      | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3466-07                 | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 89.2     |
| Sample Wt/Vol:     | 30.06 g                  | Final Vol:      | 2000 uL  |
| Prep Method :      |                          | Prep Date       | 10/28/25 |
|                    |                          | Test:           | EPH_NF   |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 3.02  | J    | 1  | 1.02     | 4.48       | mg/kg   | 10/28/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 20.5  |      | 1  | 1.32     | 2.24       | mg/kg   | 10/28/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 21.2  |      |    | 40 - 140 | 42%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 20.7  |      |    | 40 - 140 | 41%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |                     |                    |                   |
|-------------------|---------------------|--------------------|-------------------|
| Lab Sample ID:    | Q3466-07            | Acq On:            | 28 Oct 2025 16:25 |
| Client Sample ID: | B7-1.0-2.0-20251023 | Operator:          | YP\AJ             |
| Data file:        | FE056542.D          | Misc:              |                   |
| Instrument:       | FID_E               | ALS Vial:          | 17                |
| Dilution Factor:  | 1                   | Sample Multiplier: | 1.00              |

| Compound                  | R.T.   |        | Response | Conc    | highest_standard | Units |
|---------------------------|--------|--------|----------|---------|------------------|-------|
| Aliphatic C9-C12          | 3.240  | 6.866  | 334870   | 2.029   | 300              | ug/ml |
| Aliphatic C12-C16         | 6.867  | 10.314 | 579148   | 3.396   | 200              | ug/ml |
| Aliphatic C16-C21         | 10.315 | 13.690 | 4153536  | 23.251  | 300              | ug/ml |
| Aliphatic C21-C28         | 13.691 | 17.361 | 2502753  | 13.975  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.362 | 22.315 | 38194393 | 275.17  | 600              | ug/ml |
| Aliphatic EPH             | 3.240  | 22.315 | 45764700 | 317.821 |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.985 | 11.985 | 4232130  | 20.72   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.425 | 13.425 | 3240916  | 21.24   |                  | ug/ml |
| Aliphatic C9-C28          | 3.240  | 17.361 | 7570307  | 42.651  | 1200             | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102825AL\  
Data File : FE056542.D  
Signal(s) : FID1B.ch  
Acq On : 28 Oct 2025 16:25  
Operator : YP\AJ  
Sample : Q3466-07  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
B7-1.0-2.0-20251023

Integration File: sample.E  
Quant Time: Oct 29 04:15:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 28 14:34:40 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)    | 11.985 | 4232130    | 20.716 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 41.43%       |
| 12) S 1-chlorooctadecane (S... | 13.425 | 3240916    | 21.241 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 42.48%       |

Target Compounds

-----

(f)=RT Delta > 1/2 Window

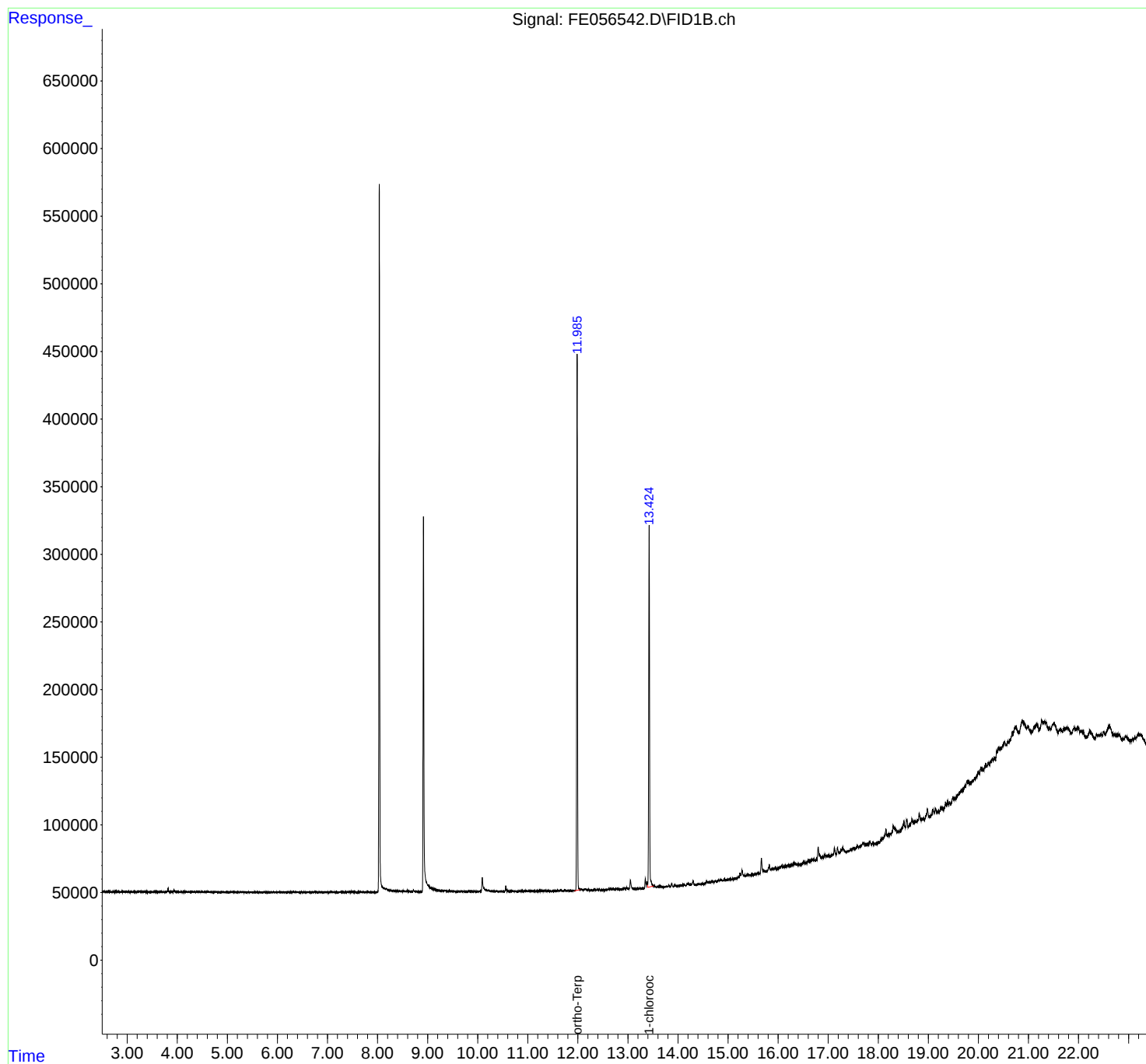
(m)=manual int.

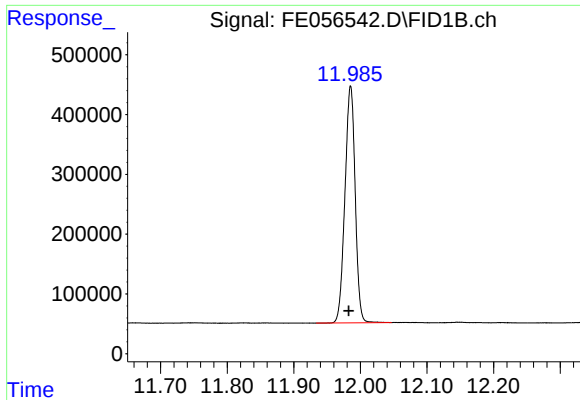
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102825AL\  
Data File : FE056542.D  
Signal(s) : FID1B.ch  
Acq On : 28 Oct 2025 16:25  
Operator : YP\AJ  
Sample : Q3466-07  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
B7-1.0-2.0-20251023

Integration File: sample.E  
Quant Time: Oct 29 04:15:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 28 14:34:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

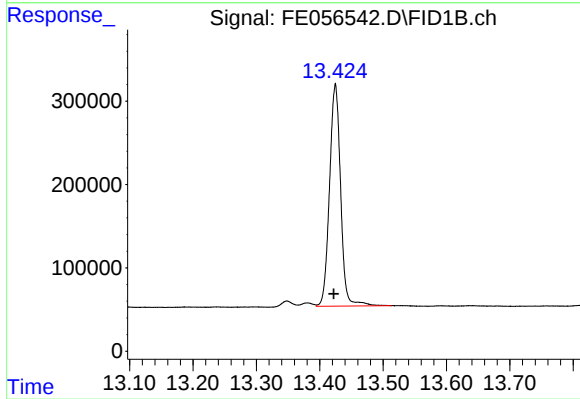




#9 ortho-Terphenyl (SURR)

R.T.: 11.985 min  
Delta R.T.: 0.003 min  
Response: 4232130  
Conc: 20.72 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
B7-1.0-2.0-20251023



#12 1-chlorooctadecane (SURR)

R.T.: 13.425 min  
Delta R.T.: 0.002 min  
Response: 3240916  
Conc: 21.24 ug/ml



# CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FC100725AL

**AreaCount**

| Parameter Range   | FC069937.D    | FC069938.D    | FC069939.D   | FC069940.D   | FC069941.D   |  |
|-------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 43171011.000  | 21250743.000  | 8161064.000  | 4428028.000  | 2320985.000  |  |
| Aliphatic C12-C16 | 33016544.000  | 16243273.000  | 6102029.000  | 3325280.000  | 1725815.000  |  |
| Aliphatic C16-C21 | 48108317.000  | 24065038.000  | 8973438.000  | 4960785.000  | 2610241.000  |  |
| Aliphatic C21-C28 | 55364172.000  | 28241357.000  | 10328099.000 | 6018987.000  | 3530371.000  |  |
| Aliphatic C28-C40 | 59763237.000  | 30083253.000  | 11204955.000 | 6723680.000  | 3980409.000  |  |
| Aliphatic EPH     | 239423281.000 | 119883664.000 | 44769585.000 | 25456760.000 | 14167821.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD  |  |  |  |  |
|-------------------|----------------|--------|--|--|--|--|
| Aliphatic C9-C12  | 144785.1979998 | 4.813  |  |  |  |  |
| Aliphatic C12-C16 | 163782.335     | 4.458  |  |  |  |  |
| Aliphatic C16-C21 | 161945.5019996 | 5.485  |  |  |  |  |
| Aliphatic C21-C28 | 147142.3355    | 12.304 |  |  |  |  |
| Aliphatic C28-C40 | 107599.8326666 | 14.464 |  |  |  |  |
| Aliphatic EPH     | 137884.7282218 | 9.049  |  |  |  |  |

**Concentration**

| Parameter Range   | FC069937.D | FC069938.D | FC069939.D | FC069940.D | FC069941.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   | FC069937.D    | FC069938.D    | FC069939.D    | FC069940.D    | FC069941.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 143903.370000 | 141671.620000 | 136017.733333 | 147600.933333 | 154732.333333 |  |
| Aliphatic C12-C16 | 165082.720000 | 162432.730000 | 152550.725000 | 166264.000000 | 172581.500000 |  |
| Aliphatic C16-C21 | 160361.056666 | 160433.586666 | 149557.300000 | 165359.500000 | 174016.066666 |  |

Initial Calibration Report for SequenceID : FC100725AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 138410.430000 | 141206.785000 | 129101.237500 | 150474.675000 | 176518.550000 |  |
| Aliphatic C28-C40 | 99605.395000  | 100277.510000 | 93374.625000  | 112061.333333 | 132680.300000 |  |
| Aliphatic EPH     | 133012.933888 | 133204.071111 | 124359.958333 | 141426.444444 | 157420.233333 |  |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069937.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 16:17  
 Operator : YP/AJ  
 Sample : 100 PPM ALIPHATIC HC STD1  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e  
 Quant Time: Oct 07 09:27:36 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:26:41 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)    | 11.657 | 17428523   | 107.789 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 215.58%       |
| 12) S 1-chlorooctadecane (S... | 13.088 | 13491128   | 107.925 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 215.85%       |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.388  | 13511792   | 104.492 ug/ml |
| 2) T n-Decane (C10)            | 4.461  | 14269174   | 105.512 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.056  | 16109041   | 106.057 ug/ml |
| 4) T n-Dodecane (C12)          | 6.485  | 15390045   | 107.242 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.116  | 16083838   | 107.576 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.283  | 16089121   | 108.439 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.887  | 16927423   | 108.003 ug/ml |
| 8) T n-Octadecane (C18)        | 11.334 | 16924222   | 107.107 ug/ml |
| 10) T n-Eicosane (C20)         | 12.643 | 15851454   | 107.240 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.256 | 15332641   | 107.336 ug/ml |
| 13) T n-Docosane (C22)         | 13.843 | 14972967   | 107.364 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.946 | 14292557   | 107.227 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.967 | 13453877   | 107.130 ug/ml |
| 16) T n-Octacosane (C28)       | 16.919 | 12644771   | 107.096 ug/ml |
| 17) T n-Tricontane (C30)       | 17.806 | 12335576   | 107.079 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.639 | 11541380   | 106.981 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.422 | 10438103   | 106.669 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.162 | 9085745    | 105.941 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.920 | 8347689    | 106.483 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.873 | 8014744    | 106.647 ug/ml |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

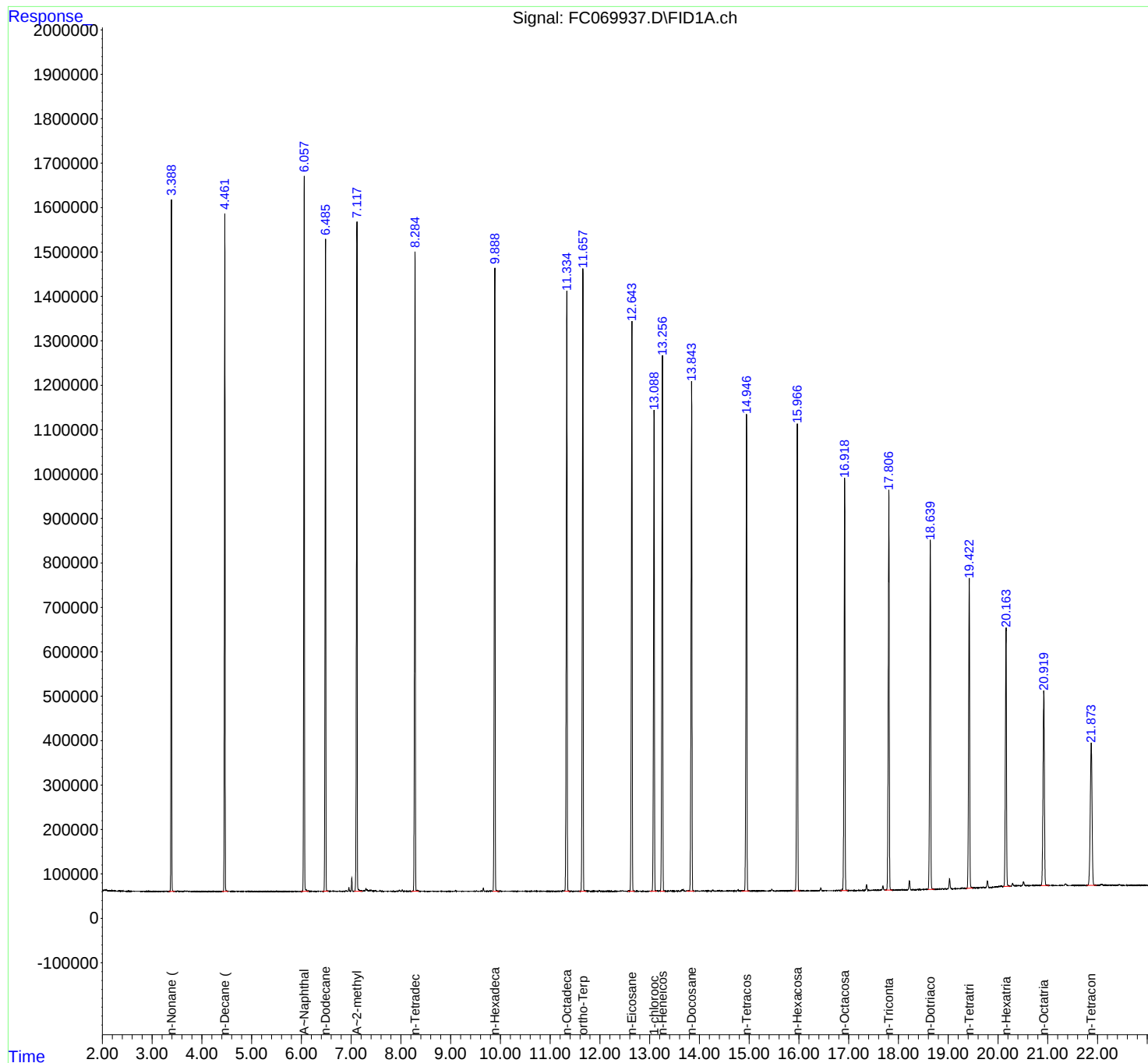
(m)=manual int.

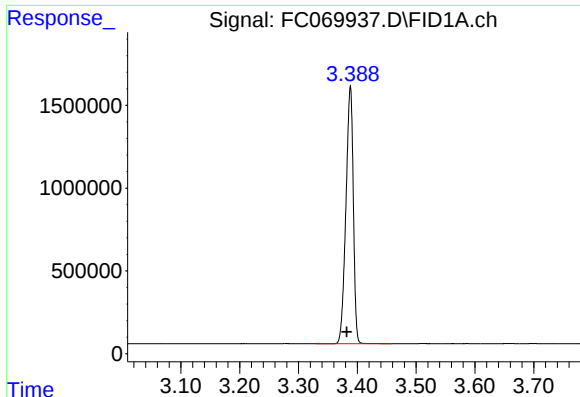
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Data File : FC069937.D  
Signal(s) : FID1A.ch  
Acq On : 06 Oct 2025 16:17  
Operator : YP/AJ  
Sample : 100 PPM ALIPHATIC HC STD1  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e  
Quant Time: Oct 07 09:27:36 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:26:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

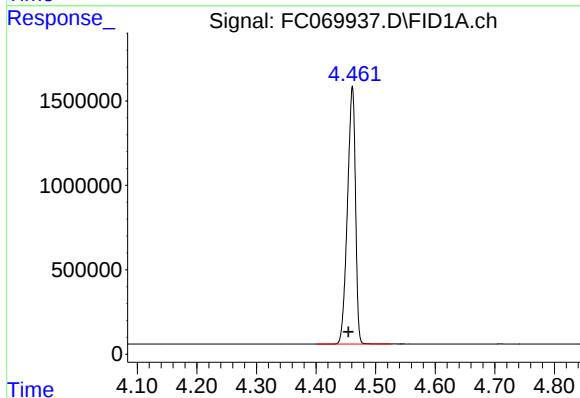




#1 n-Nonane (C9)

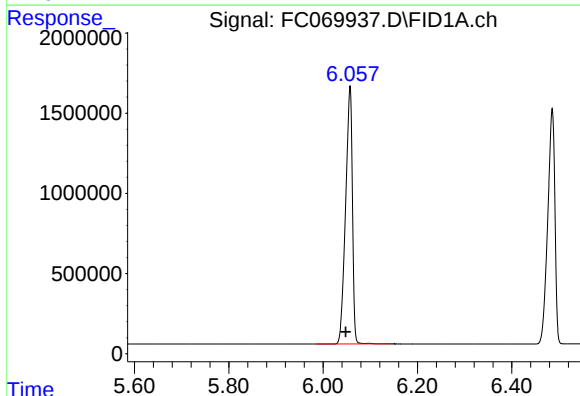
R.T.: 3.388 min  
Delta R.T.: 0.006 min  
Response: 13511792  
Conc: 104.49 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



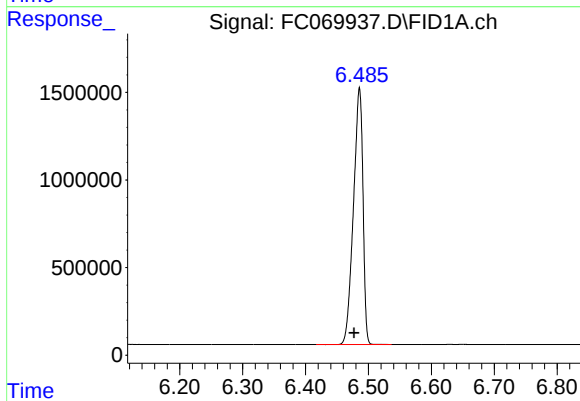
#2 n-Decane (C10)

R.T.: 4.461 min  
Delta R.T.: 0.006 min  
Response: 14269174  
Conc: 105.51 ug/ml



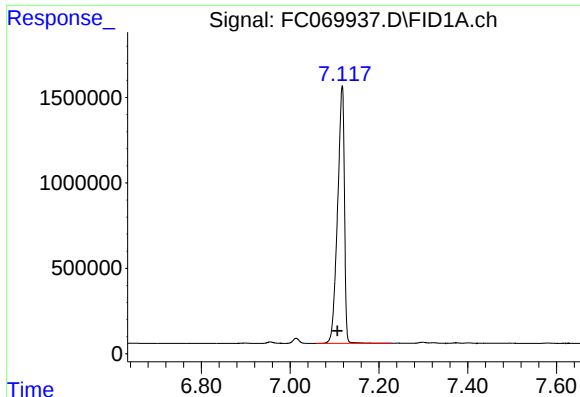
#3 A~Naphthalene (C11.7)

R.T.: 6.056 min  
Delta R.T.: 0.008 min  
Response: 16109041  
Conc: 106.06 ug/ml



#4 n-Dodecane (C12)

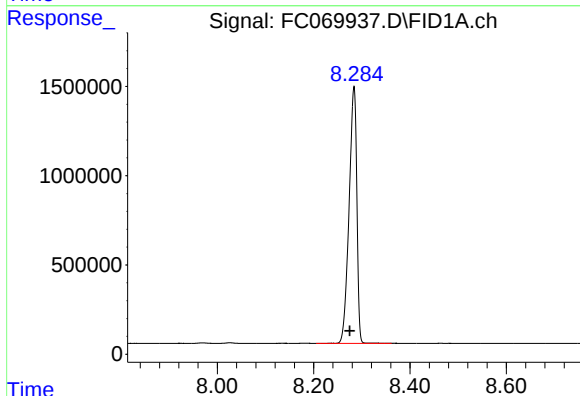
R.T.: 6.485 min  
Delta R.T.: 0.008 min  
Response: 15390045  
Conc: 107.24 ug/ml



#5 A~2-methylnaphthalene (C12.89)

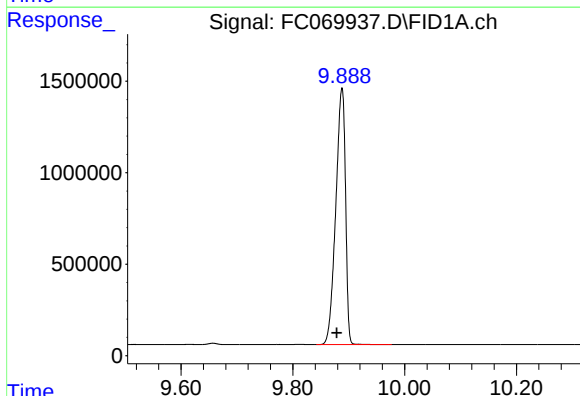
R.T.: 7.116 min  
Delta R.T.: 0.010 min  
Response: 16083838  
Conc: 107.58 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



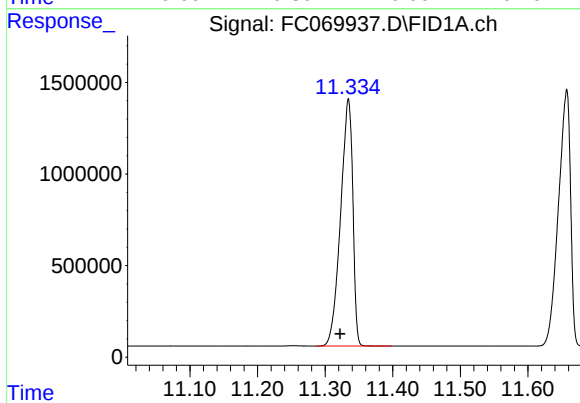
#6 n-Tetradecane (C14)

R.T.: 8.283 min  
Delta R.T.: 0.008 min  
Response: 16089121  
Conc: 108.44 ug/ml



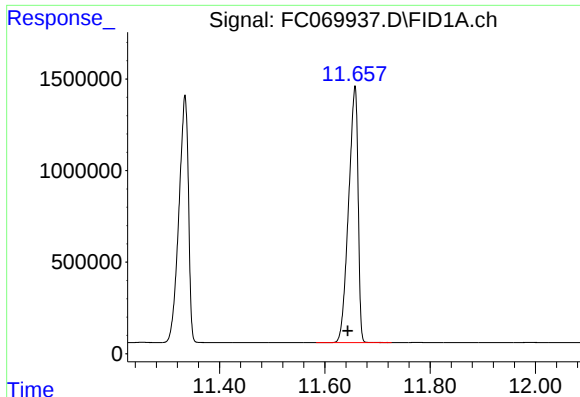
#7 n-Hexadecane (C16)

R.T.: 9.887 min  
Delta R.T.: 0.009 min  
Response: 16927423  
Conc: 108.00 ug/ml



#8 n-Octadecane (C18)

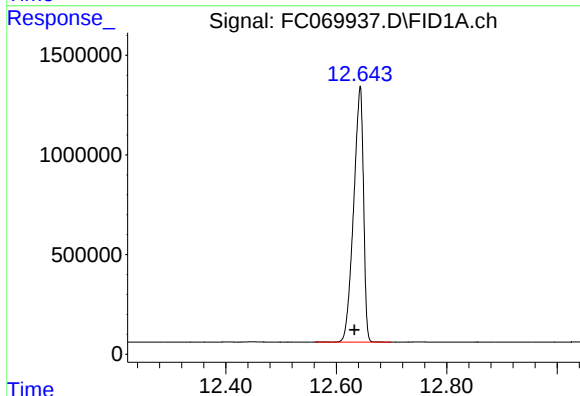
R.T.: 11.334 min  
Delta R.T.: 0.012 min  
Response: 16924222  
Conc: 107.11 ug/ml



#9 ortho-Terphenyl (SURR)

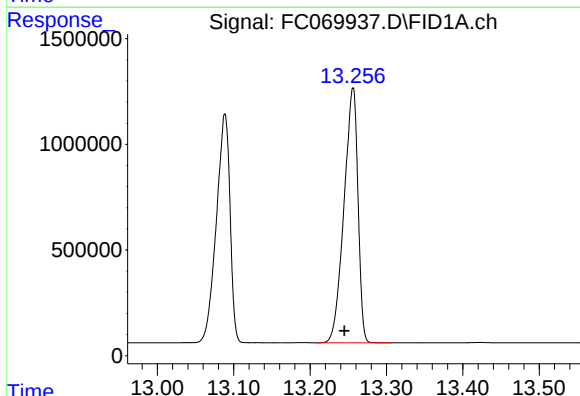
R.T.: 11.657 min  
Delta R.T.: 0.013 min  
Response: 17428523  
Conc: 107.79 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



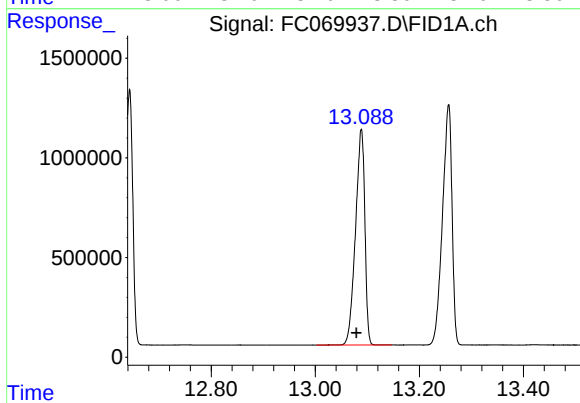
#10 n-Eicosane (C20)

R.T.: 12.643 min  
Delta R.T.: 0.010 min  
Response: 15851454  
Conc: 107.24 ug/ml



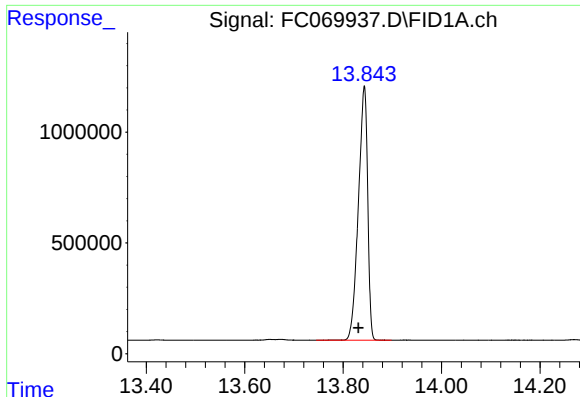
#11 n-Heneicosane (C21)

R.T.: 13.256 min  
Delta R.T.: 0.011 min  
Response: 15332641  
Conc: 107.34 ug/ml



#12 1-chlorooctadecane (SURR)

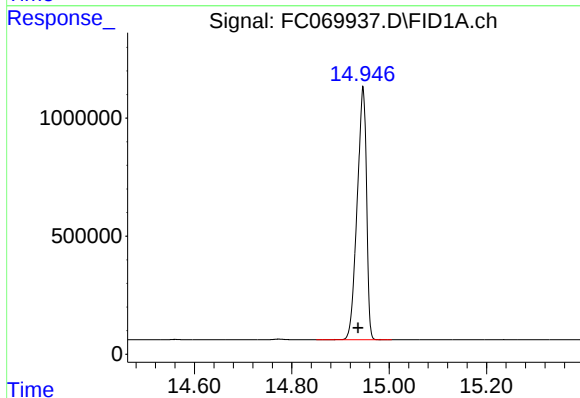
R.T.: 13.088 min  
Delta R.T.: 0.009 min  
Response: 13491128  
Conc: 107.92 ug/ml



#13 n-Docosane (C22)

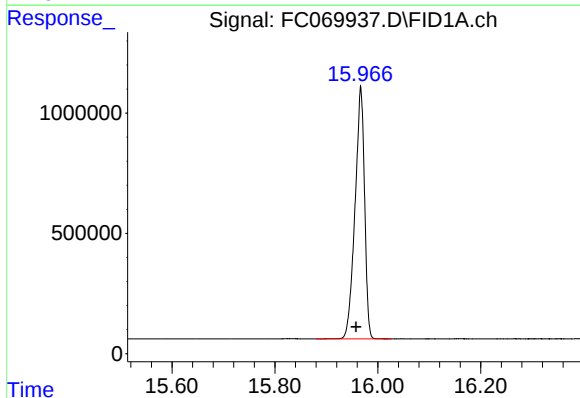
R.T.: 13.843 min  
Delta R.T.: 0.012 min  
Response: 14972967  
Conc: 107.36 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



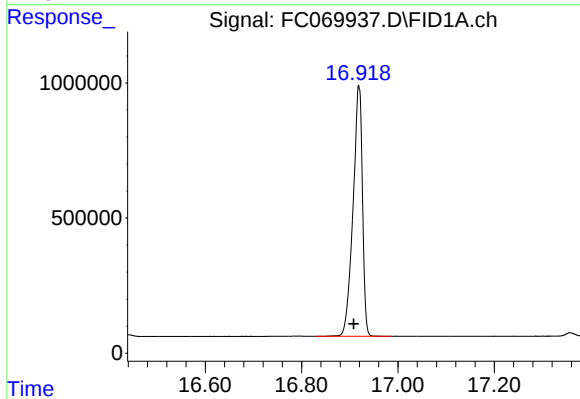
#14 n-Tetracosane (C24)

R.T.: 14.946 min  
Delta R.T.: 0.010 min  
Response: 14292557  
Conc: 107.23 ug/ml



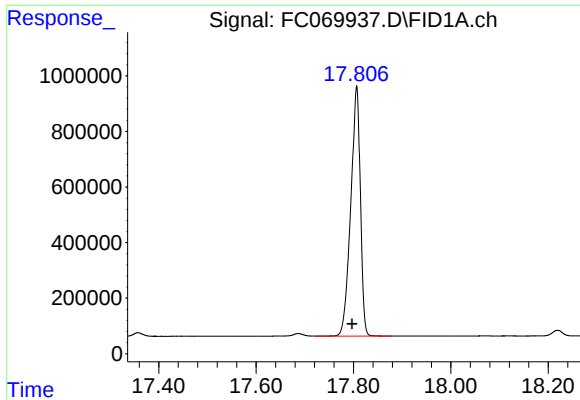
#15 n-Hexacosane (C26)

R.T.: 15.967 min  
Delta R.T.: 0.009 min  
Response: 13453877  
Conc: 107.13 ug/ml



#16 n-Octacosane (C28)

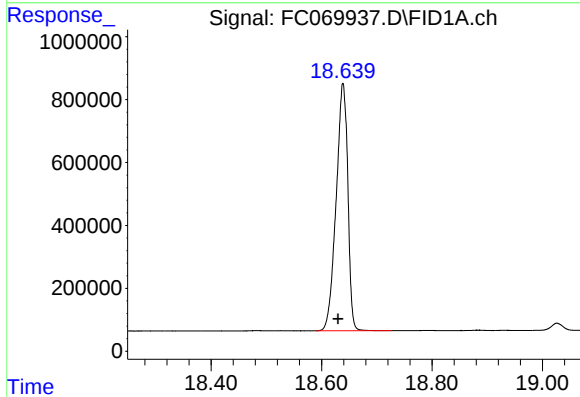
R.T.: 16.919 min  
Delta R.T.: 0.011 min  
Response: 12644771  
Conc: 107.10 ug/ml



#17 n-Tricontane (C30)

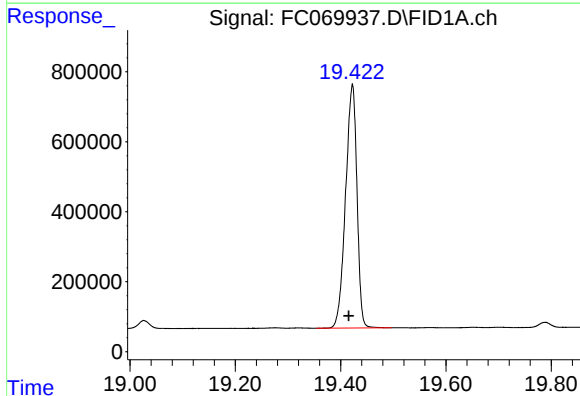
R.T.: 17.806 min  
Delta R.T.: 0.009 min  
Response: 12335576  
Conc: 107.08 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



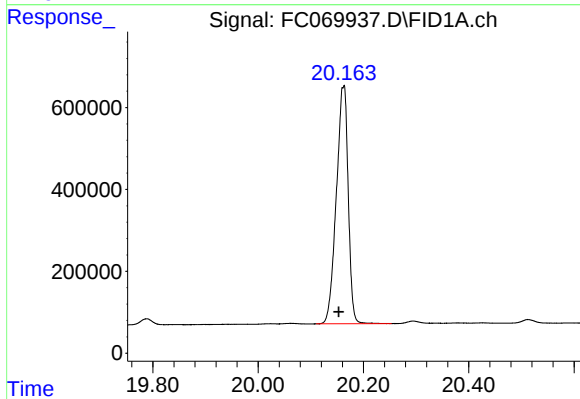
#18 n-Dotriacontane (C32)

R.T.: 18.639 min  
Delta R.T.: 0.009 min  
Response: 11541380  
Conc: 106.98 ug/ml



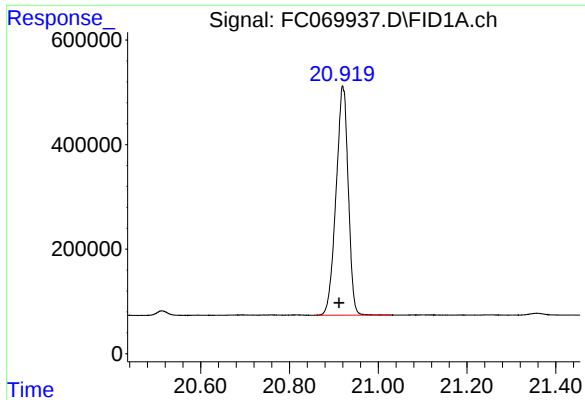
#19 n-Tetratriacontane (C34)

R.T.: 19.422 min  
Delta R.T.: 0.007 min  
Response: 10438103  
Conc: 106.67 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.162 min  
Delta R.T.: 0.008 min  
Response: 9085745  
Conc: 105.94 ug/ml



#21 n-Octatriacontane (C38)

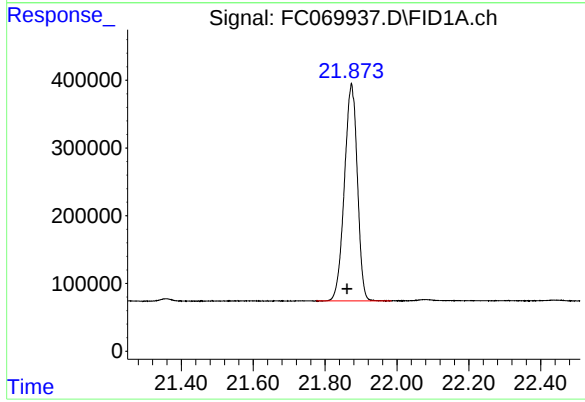
R.T.: 20.920 min  
Delta R.T.: 0.009 min  
Response: 8347689  
Conc: 106.48 ug/ml

Instrument :

FID\_C

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.873 min  
Delta R.T.: 0.012 min  
Response: 8014744  
Conc: 106.65 ug/ml

rteres

# Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069937.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 16:17  
 Sample : 100 PPM ALIPHATIC HC STD1  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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                       | 3.388       | 3.330        | 3.458      | BB       | 1566610        | 13511792     | 77.53%         | 4.466%        |
| 2                       | 4.461       | 4.400        | 4.527      | BB       | 1518640        | 14269174     | 81.87%         | 4.717%        |
| 3                       | 6.056       | 5.985        | 6.145      | BB       | 1611621        | 16109041     | 92.43%         | 5.325%        |
| 4                       | 6.485       | 6.417        | 6.537      | BB       | 1464377        | 15390045     | 88.30%         | 5.087%        |
| 5                       | 7.116       | 7.058        | 7.228      | BV       | 1506266        | 16083838     | 92.28%         | 5.316%        |
| 6                       | 8.283       | 8.205        | 8.362      | BB       | 1437784        | 16089121     | 92.31%         | 5.318%        |
| 7                       | 9.887       | 9.842        | 9.977      | PB       | 1398162        | 16927423     | 97.12%         | 5.595%        |
| 8                       | 11.334      | 11.287       | 11.398     | BB       | 1347994        | 16924222     | 97.11%         | 5.594%        |
| 9                       | 11.657      | 11.583       | 11.727     | BB       | 1396107        | 17428523     | 100.00%        | 5.761%        |
| 10                      | 12.643      | 12.563       | 12.700     | BB       | 1292543        | 15851454     | 90.95%         | 5.240%        |
| 11                      | 13.088      | 13.002       | 13.147     | BB       | 1084327        | 13491128     | 77.41%         | 4.459%        |
| 12                      | 13.256      | 13.208       | 13.307     | PB       | 1204698        | 15332641     | 87.97%         | 5.068%        |
| 13                      | 13.843      | 13.745       | 13.898     | BB       | 1152336        | 14972967     | 85.91%         | 4.949%        |
| 14                      | 14.946      | 14.850       | 15.005     | BB       | 1071747        | 14292557     | 82.01%         | 4.724%        |
| 15                      | 15.967      | 15.880       | 16.027     | BB       | 1049540        | 13453877     | 77.19%         | 4.447%        |
| 16                      | 16.919      | 16.830       | 16.987     | BB       | 929151         | 12644771     | 72.55%         | 4.180%        |
| 17                      | 17.806      | 17.723       | 17.878     | VB       | 901911         | 12335576     | 70.78%         | 4.077%        |
| 18                      | 18.639      | 18.590       | 18.727     | BB       | 786911         | 11541380     | 66.22%         | 3.815%        |
| 19                      | 19.422      | 19.353       | 19.497     | BB       | 695978         | 10438103     | 59.89%         | 3.450%        |
| 20                      | 20.162      | 20.110       | 20.253     | BV       | 577405         | 9085745      | 52.13%         | 3.003%        |
| 21                      | 20.920      | 20.860       | 21.030     | BB       | 437337         | 8347689      | 47.90%         | 2.759%        |
| 22                      | 21.873      | 21.775       | 21.985     | BB       | 321349         | 8014744      | 45.99%         | 2.649%        |
| Sum of corrected areas: |             |              |            |          |                | 302535810    |                |               |

Aliphatic EPH 100725.M Tue Oct 07 09:55:43 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069938.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 17:03  
 Operator : YP/AJ  
 Sample : 50 PPM ALIPHATIC HC STD2  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e  
 Quant Time: Oct 07 09:27:56 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:26:41 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)    | 11.649 | 8639976    | 53.435 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 106.87%      |
| 12) S 1-chlorooctadecane (S... | 13.083 | 6744188    | 53.951 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 107.90%      |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.384  | 6696096    | 51.784 ug/ml |
| 2) T n-Decane (C10)            | 4.457  | 7033350    | 52.008 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.051  | 7918701    | 52.135 ug/ml |
| 4) T n-Dodecane (C12)          | 6.480  | 7521297    | 52.411 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.110  | 7871197    | 52.646 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.278  | 7874446    | 53.073 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.882  | 8368827    | 53.396 ug/ml |
| 8) T n-Octadecane (C18)        | 11.327 | 8439359    | 53.410 ug/ml |
| 10) T n-Eicosane (C20)         | 12.637 | 7941237    | 53.725 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.250 | 7684442    | 53.795 ug/ml |
| 13) T n-Docosane (C22)         | 13.836 | 7552504    | 54.156 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.941 | 7307291    | 54.822 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.962 | 6889242    | 54.857 ug/ml |
| 16) T n-Octacosane (C28)       | 16.912 | 6492320    | 54.987 ug/ml |
| 17) T n-Tricontane (C30)       | 17.800 | 6323170    | 54.888 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.634 | 5890021    | 54.597 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.418 | 5271042    | 53.866 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.157 | 4546558    | 53.013 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.915 | 4117294    | 52.520 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.868 | 3935168    | 52.363 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

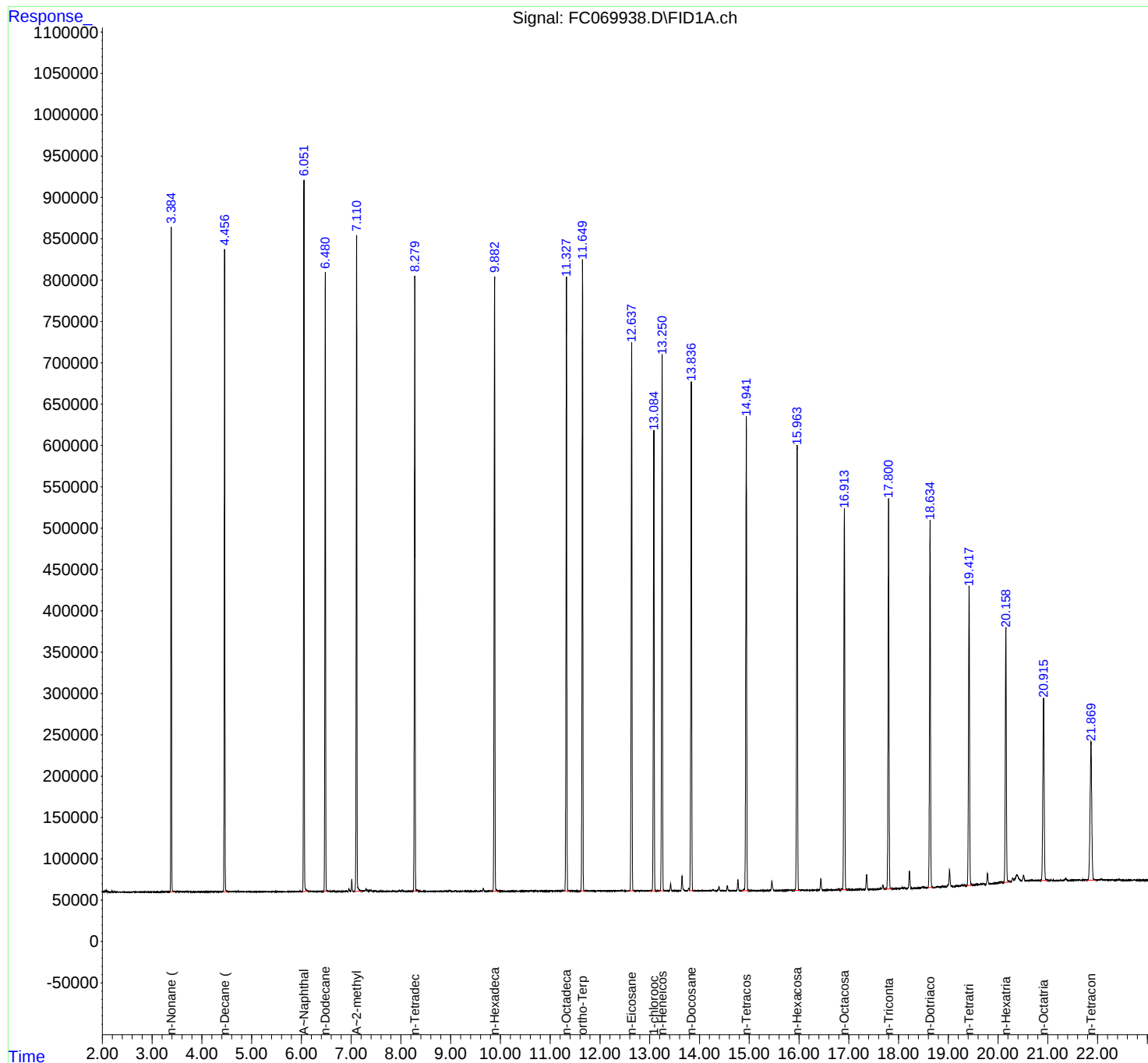
(m)=manual int.

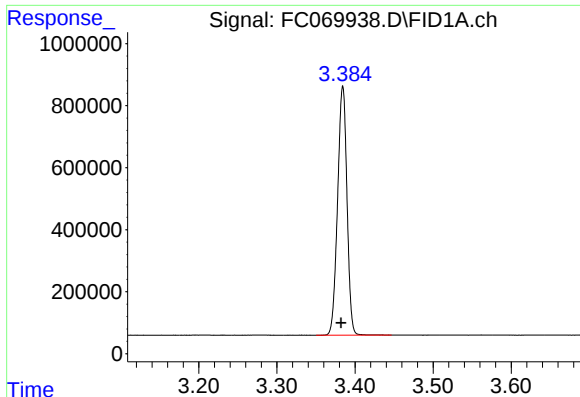
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
Data File : FC069938.D  
Signal(s) : FID1A.ch  
Acq On : 06 Oct 2025 17:03  
Operator : YP/AJ  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e  
Quant Time: Oct 07 09:27:56 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:26:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

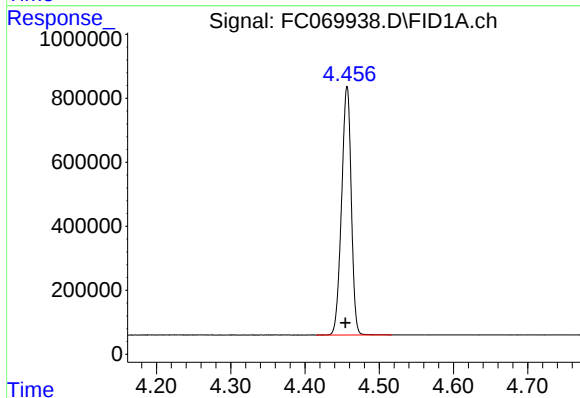




#1 n-Nonane (C9)

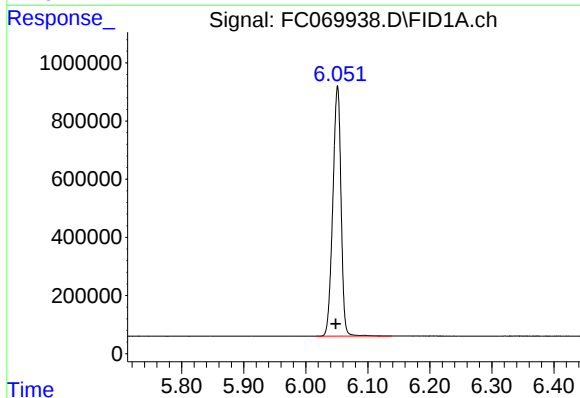
R.T.: 3.384 min  
Delta R.T.: 0.002 min  
Response: 6696096  
Conc: 51.78 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



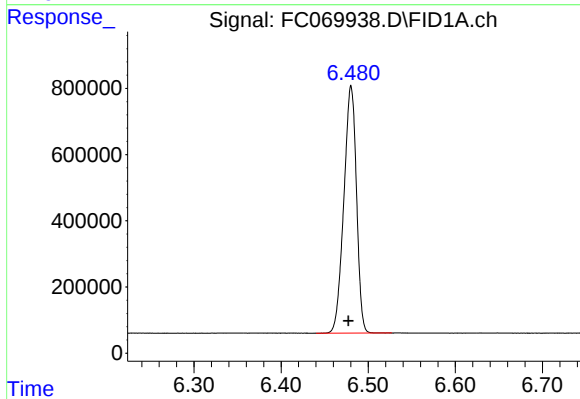
#2 n-Decane (C10)

R.T.: 4.457 min  
Delta R.T.: 0.002 min  
Response: 7033350  
Conc: 52.01 ug/ml



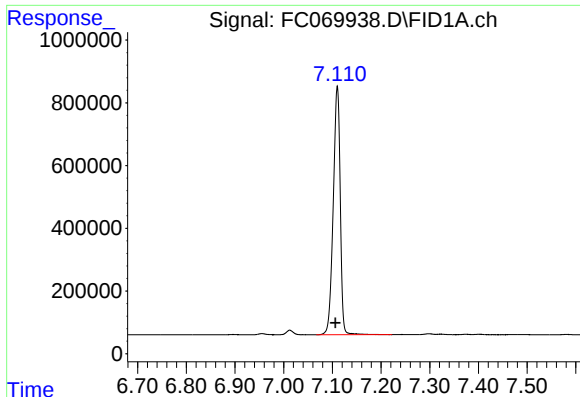
#3 A~Naphthalene (C11.7)

R.T.: 6.051 min  
Delta R.T.: 0.003 min  
Response: 7918701  
Conc: 52.13 ug/ml



#4 n-Dodecane (C12)

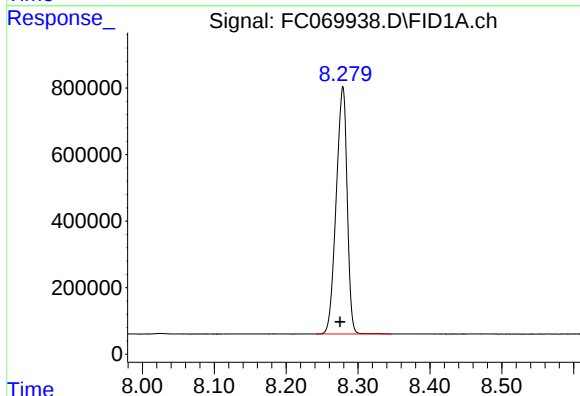
R.T.: 6.480 min  
Delta R.T.: 0.003 min  
Response: 7521297  
Conc: 52.41 ug/ml



#5 A~2-methylnaphthalene (C12.89)

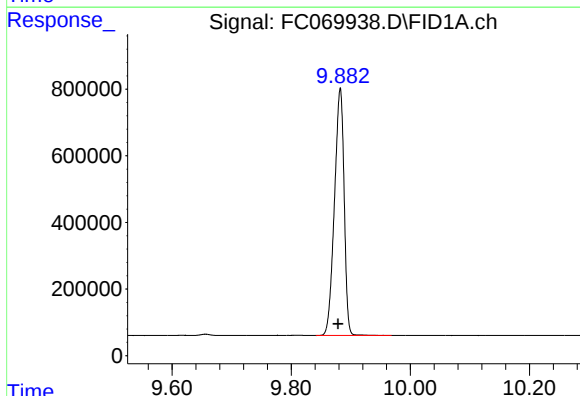
R.T.: 7.110 min  
Delta R.T.: 0.004 min  
Response: 7871197  
Conc: 52.65 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



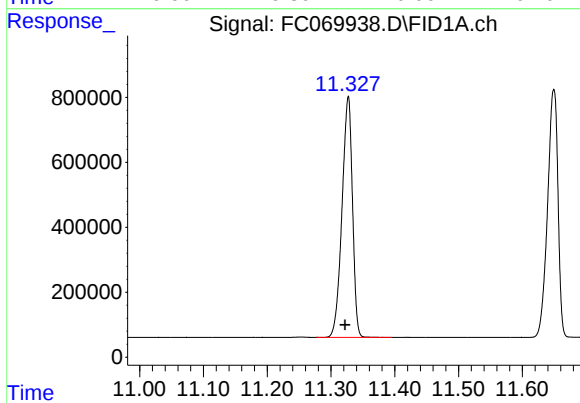
#6 n-Tetradecane (C14)

R.T.: 8.278 min  
Delta R.T.: 0.004 min  
Response: 7874446  
Conc: 53.07 ug/ml



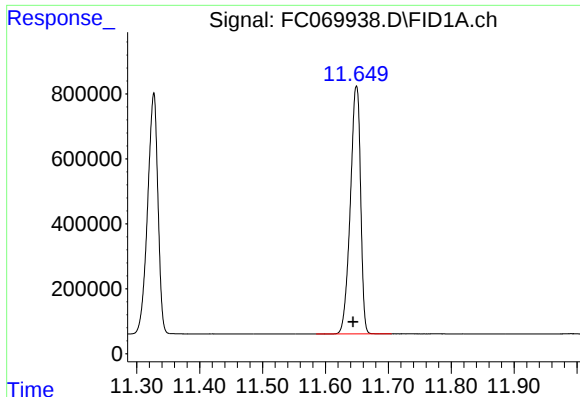
#7 n-Hexadecane (C16)

R.T.: 9.882 min  
Delta R.T.: 0.004 min  
Response: 8368827  
Conc: 53.40 ug/ml



#8 n-Octadecane (C18)

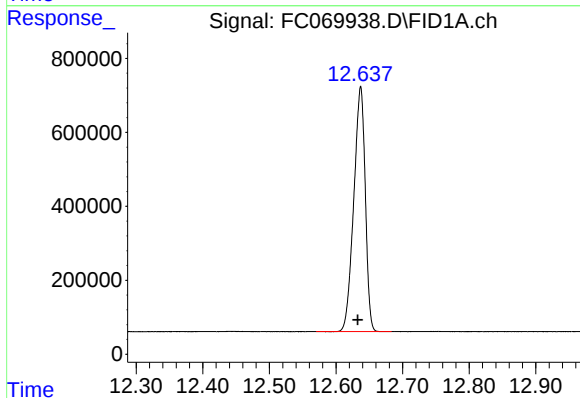
R.T.: 11.327 min  
Delta R.T.: 0.005 min  
Response: 8439359  
Conc: 53.41 ug/ml



#9 ortho-Terphenyl (SURR)

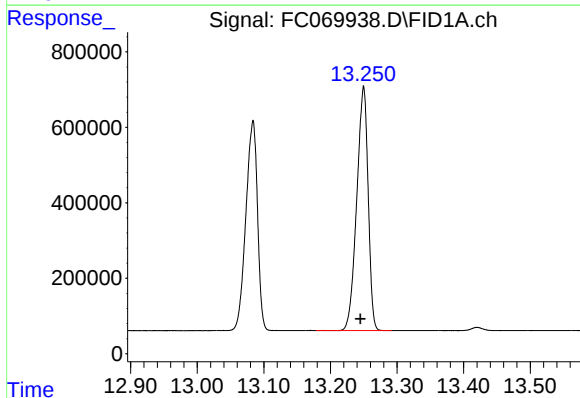
R.T.: 11.649 min  
Delta R.T.: 0.005 min  
Response: 8639976  
Conc: 53.43 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



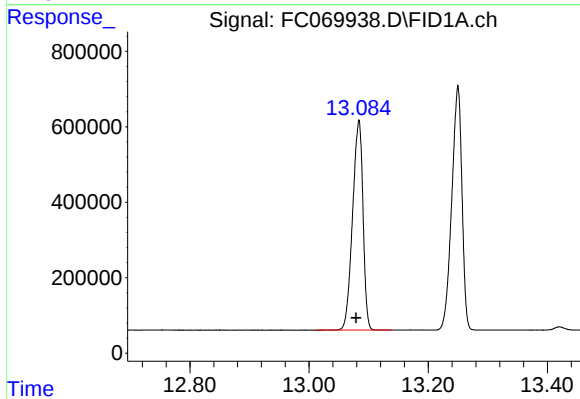
#10 n-Eicosane (C20)

R.T.: 12.637 min  
Delta R.T.: 0.004 min  
Response: 7941237  
Conc: 53.72 ug/ml



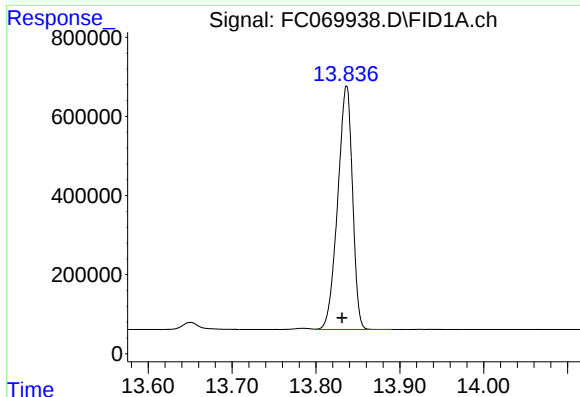
#11 n-Heneicosane (C21)

R.T.: 13.250 min  
Delta R.T.: 0.004 min  
Response: 7684442  
Conc: 53.80 ug/ml



#12 1-chlorooctadecane (SURR)

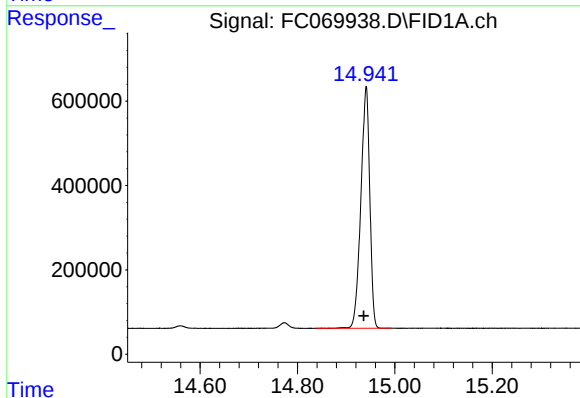
R.T.: 13.083 min  
Delta R.T.: 0.004 min  
Response: 6744188  
Conc: 53.95 ug/ml



#13 n-Docosane (C22)

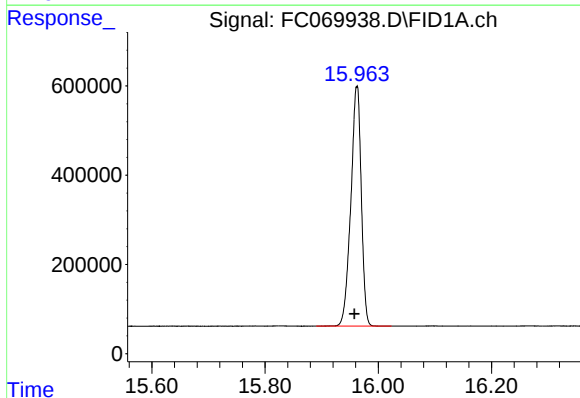
R.T.: 13.836 min  
Delta R.T.: 0.005 min  
Response: 7552504  
Conc: 54.16 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



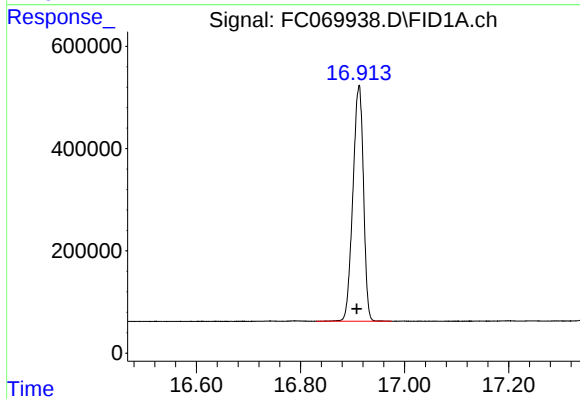
#14 n-Tetracosane (C24)

R.T.: 14.941 min  
Delta R.T.: 0.005 min  
Response: 7307291  
Conc: 54.82 ug/ml



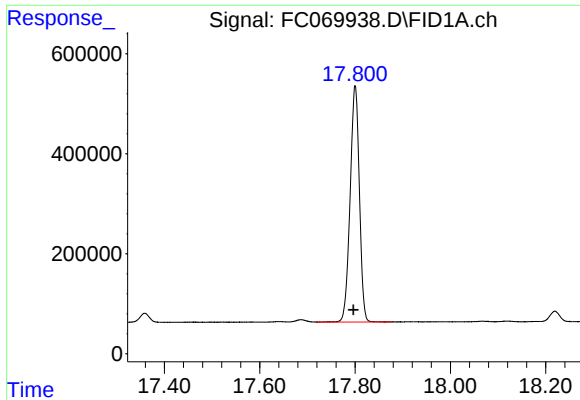
#15 n-Hexacosane (C26)

R.T.: 15.962 min  
Delta R.T.: 0.004 min  
Response: 6889242  
Conc: 54.86 ug/ml



#16 n-Octacosane (C28)

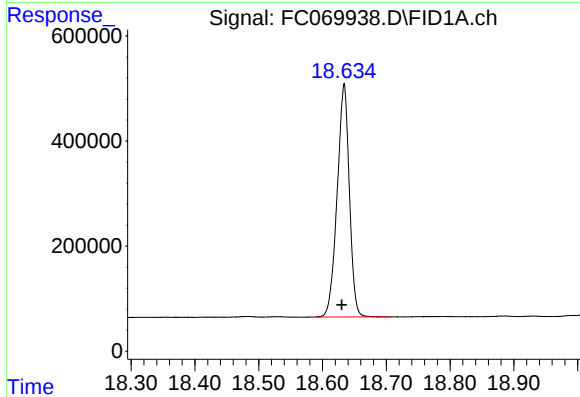
R.T.: 16.912 min  
Delta R.T.: 0.004 min  
Response: 6492320  
Conc: 54.99 ug/ml



#17 n-Tricontane (C30)

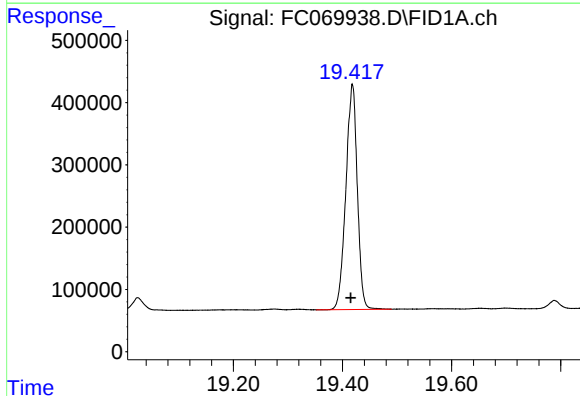
R.T.: 17.800 min  
Delta R.T.: 0.003 min  
Response: 6323170  
Conc: 54.89 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



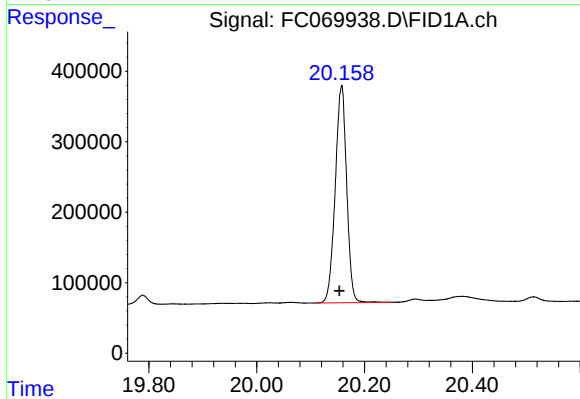
#18 n-Dotriacontane (C32)

R.T.: 18.634 min  
Delta R.T.: 0.004 min  
Response: 5890021  
Conc: 54.60 ug/ml



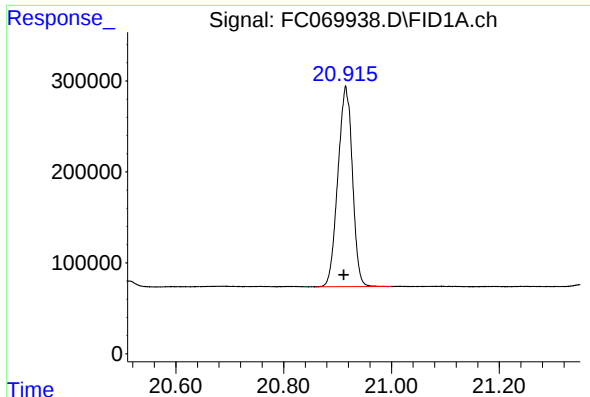
#19 n-Tetratriacontane (C34)

R.T.: 19.418 min  
Delta R.T.: 0.003 min  
Response: 5271042  
Conc: 53.87 ug/ml



#20 n-Hexatriacontane (C36)

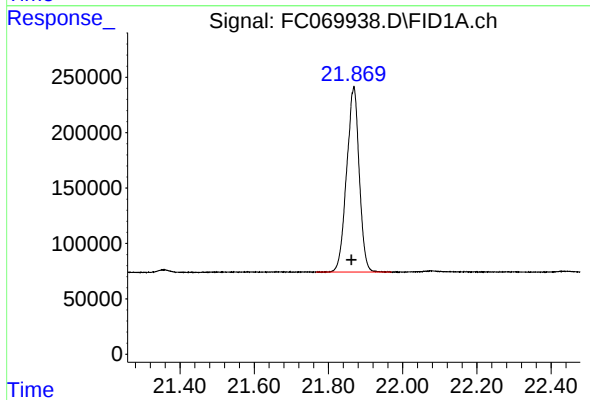
R.T.: 20.157 min  
Delta R.T.: 0.004 min  
Response: 4546558  
Conc: 53.01 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.915 min  
Delta R.T.: 0.004 min  
Response: 4117294  
Conc: 52.52 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.868 min  
Delta R.T.: 0.006 min  
Response: 3935168  
Conc: 52.36 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
Data File : FC069938.D  
Signal(s) : FID1A.ch  
Acq On : 06 Oct 2025 17:03  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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                       | 3.384       | 3.350        | 3.447      | BB       | 801570         | 6696096      | 77.50%         | 4.433%        |
| 2                       | 4.457       | 4.415        | 4.517      | BB       | 779306         | 7033350      | 81.40%         | 4.656%        |
| 3                       | 6.051       | 6.017        | 6.138      | BB       | 866132         | 7918701      | 91.65%         | 5.242%        |
| 4                       | 6.480       | 6.440        | 6.527      | BB       | 748366         | 7521297      | 87.05%         | 4.979%        |
| 5                       | 7.110       | 7.067        | 7.222      | BV       | 794441         | 7871197      | 91.10%         | 5.211%        |
| 6                       | 8.279       | 8.242        | 8.347      | BB       | 744209         | 7874446      | 91.14%         | 5.213%        |
| 7                       | 9.882       | 9.842        | 9.968      | BB       | 741300         | 8368827      | 96.86%         | 5.540%        |
| 8                       | 11.327      | 11.277       | 11.395     | BB       | 742837         | 8439359      | 97.68%         | 5.587%        |
| 9                       | 11.649      | 11.585       | 11.705     | BB       | 764057         | 8639976      | 100.00%        | 5.720%        |
| 10                      | 12.637      | 12.570       | 12.683     | BB       | 664039         | 7941237      | 91.91%         | 5.257%        |
| 11                      | 13.083      | 13.012       | 13.138     | BB       | 556995         | 6744188      | 78.06%         | 4.465%        |
| 12                      | 13.250      | 13.178       | 13.292     | BB       | 650441         | 7684442      | 88.94%         | 5.087%        |
| 13                      | 13.836      | 13.800       | 13.890     | VB       | 618103         | 7552504      | 87.41%         | 5.000%        |
| 14                      | 14.941      | 14.838       | 14.993     | BB       | 570910         | 7307291      | 84.58%         | 4.837%        |
| 15                      | 15.962      | 15.890       | 16.023     | BB       | 537205         | 6889242      | 79.74%         | 4.561%        |
| 16                      | 16.912      | 16.830       | 16.975     | BB       | 458574         | 6492320      | 75.14%         | 4.298%        |
| 17                      | 17.800      | 17.718       | 17.877     | PB       | 472780         | 6323170      | 73.19%         | 4.186%        |
| 18                      | 18.634      | 18.590       | 18.708     | BB       | 443374         | 5890021      | 68.17%         | 3.899%        |
| 19                      | 19.418      | 19.352       | 19.490     | BB       | 361847         | 5271042      | 61.01%         | 3.489%        |
| 20                      | 20.157      | 20.110       | 20.250     | BB       | 306826         | 4546558      | 52.62%         | 3.010%        |
| 21                      | 20.915      | 20.860       | 21.000     | BB       | 220293         | 4117294      | 47.65%         | 2.726%        |
| 22                      | 21.868      | 21.767       | 21.970     | BB       | 167406         | 3935168      | 45.55%         | 2.605%        |
| Sum of corrected areas: |             |              |            |          |                | 151057725    |                |               |

Aliphatic EPH 100725.M Tue Oct 07 09:56:29 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069939.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 17:50  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD3  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e  
 Quant Time: Oct 07 09:28:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:26:41 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)    | 11.644 | 3233829    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| 12) S 1-chlorooctadecane (S... | 13.079 | 2500104    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.382  | 2586179    | 20.000 ug/ml |
| 2) T n-Decane (C10)            | 4.455  | 2704739    | 20.000 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.048  | 3037797    | 20.000 ug/ml |
| 4) T n-Dodecane (C12)          | 6.477  | 2870146    | 20.000 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.106  | 2990239    | 20.000 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.275  | 2967400    | 20.000 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.879  | 3134629    | 20.000 ug/ml |
| 8) T n-Octadecane (C18)        | 11.322 | 3160241    | 20.000 ug/ml |
| 10) T n-Eicosane (C20)         | 12.633 | 2956263    | 20.000 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.245 | 2856934    | 20.000 ug/ml |
| 13) T n-Docosane (C22)         | 13.831 | 2789185    | 20.000 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.936 | 2665846    | 20.000 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.958 | 2511687    | 20.000 ug/ml |
| 16) T n-Octacosane (C28)       | 16.908 | 2361381    | 20.000 ug/ml |
| 17) T n-Tricontane (C30)       | 17.797 | 2304010    | 20.000 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.630 | 2157650    | 20.000 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.415 | 1957095    | 20.000 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.153 | 1715254    | 20.000 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.912 | 1567899    | 20.000 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.862 | 1503047    | 20.000 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

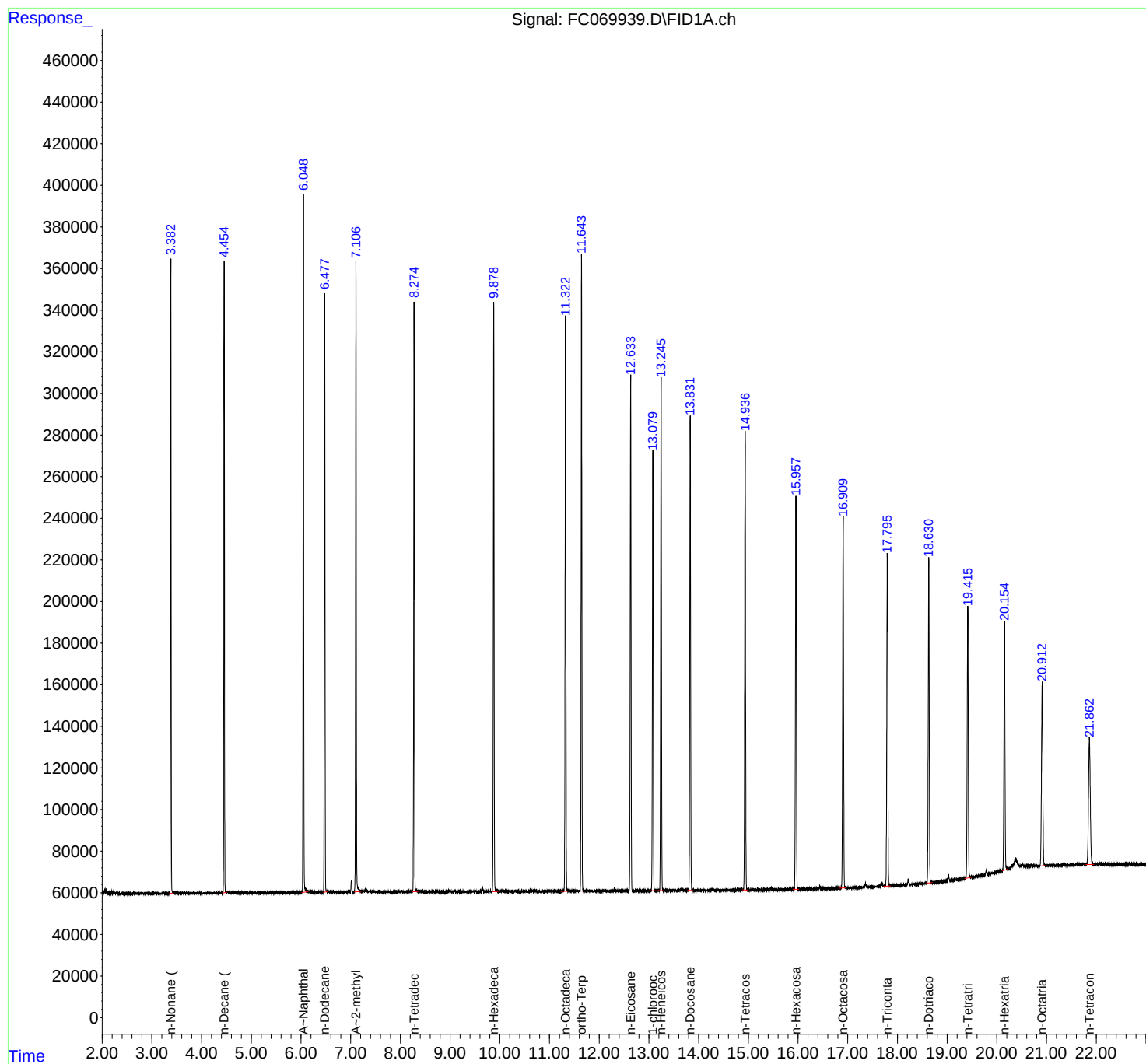
(m)=manual int.

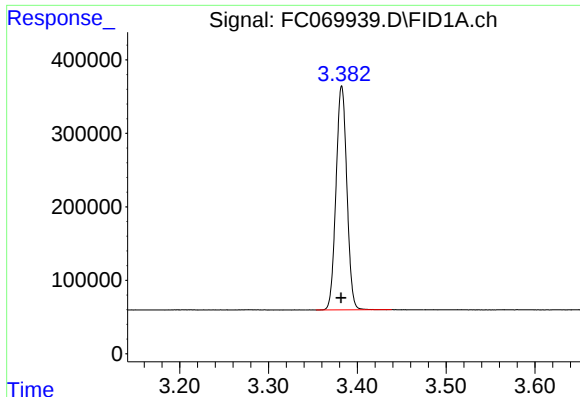
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
Data File : FC069939.D  
Signal(s) : FID1A.ch  
Acq On : 06 Oct 2025 17:50  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD3  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e  
Quant Time: Oct 07 09:28:17 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:26:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

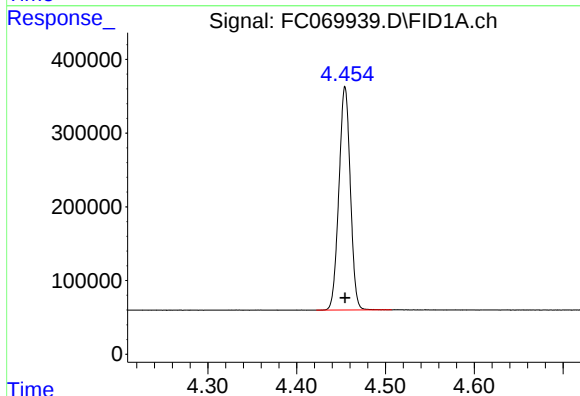




#1 n-Nonane (C9)

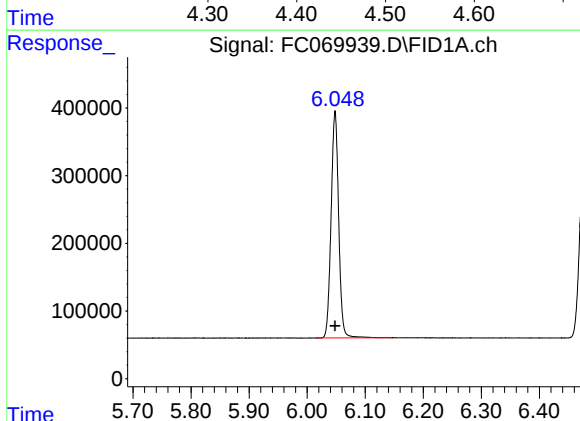
R.T.: 3.382 min  
Delta R.T.: 0.000 min  
Response: 2586179  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



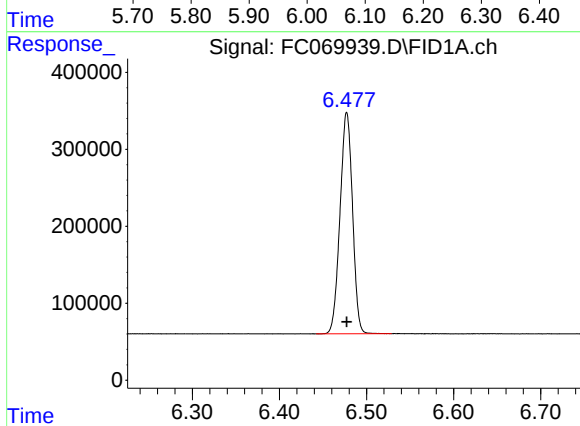
#2 n-Decane (C10)

R.T.: 4.455 min  
Delta R.T.: 0.000 min  
Response: 2704739  
Conc: 20.00 ug/ml



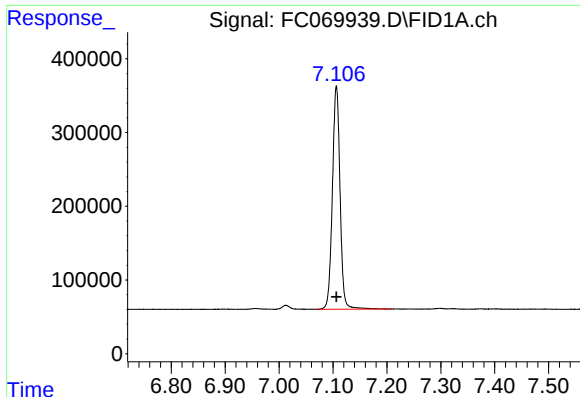
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min  
Delta R.T.: 0.000 min  
Response: 3037797  
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

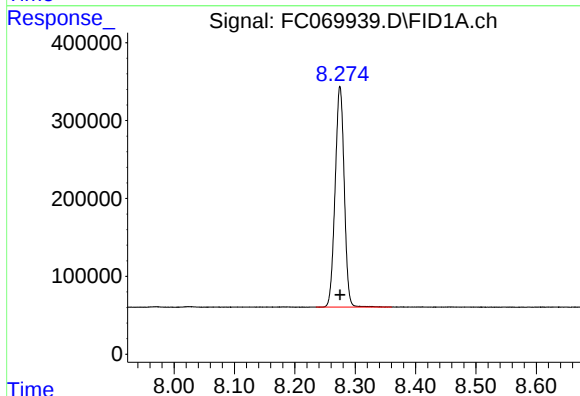
R.T.: 6.477 min  
Delta R.T.: 0.000 min  
Response: 2870146  
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

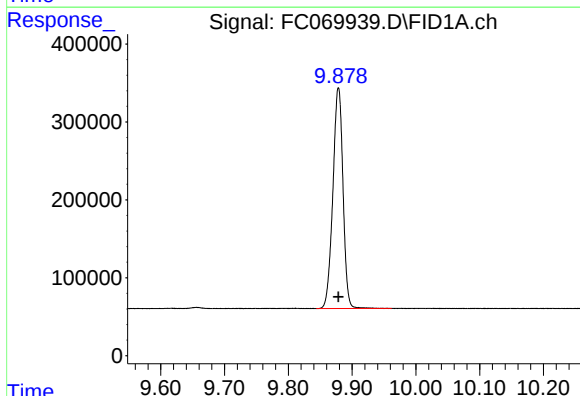
R.T.: 7.106 min  
Delta R.T.: 0.000 min  
Response: 2990239  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



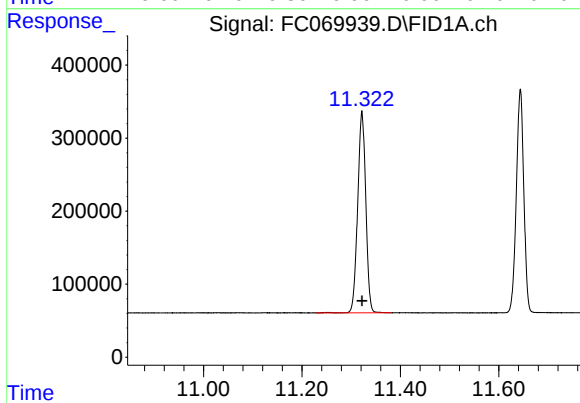
#6 n-Tetradecane (C14)

R.T.: 8.275 min  
Delta R.T.: 0.000 min  
Response: 2967400  
Conc: 20.00 ug/ml



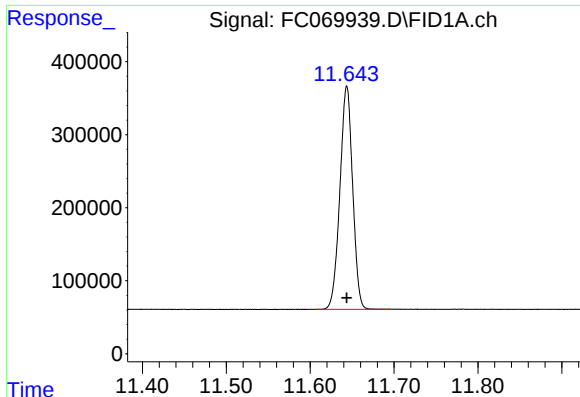
#7 n-Hexadecane (C16)

R.T.: 9.879 min  
Delta R.T.: 0.000 min  
Response: 3134629  
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

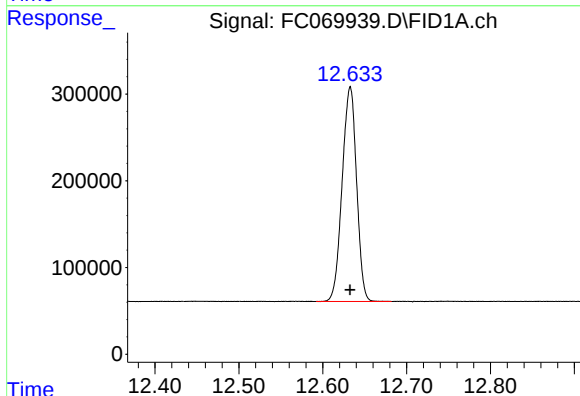
R.T.: 11.322 min  
Delta R.T.: 0.000 min  
Response: 3160241  
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

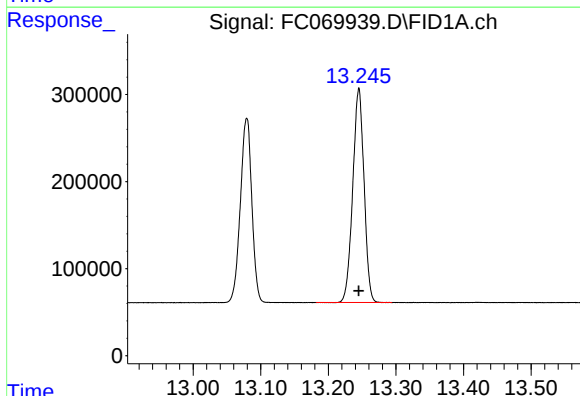
R.T.: 11.644 min  
Delta R.T.: 0.000 min  
Response: 3233829  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



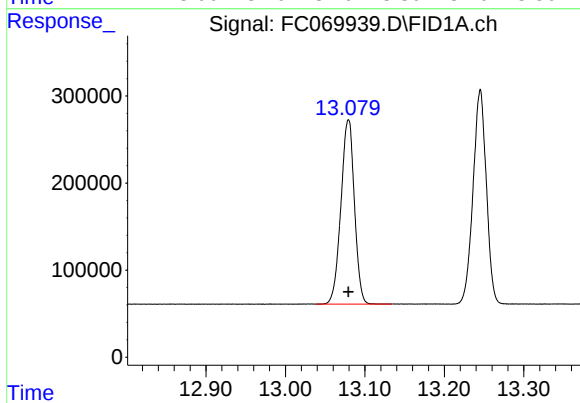
#10 n-Eicosane (C20)

R.T.: 12.633 min  
Delta R.T.: 0.000 min  
Response: 2956263  
Conc: 20.00 ug/ml



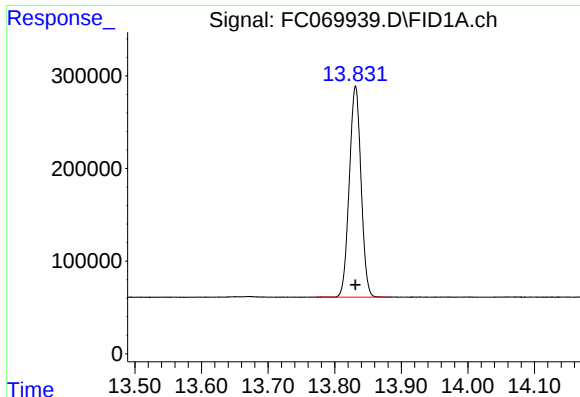
#11 n-Heneicosane (C21)

R.T.: 13.245 min  
Delta R.T.: 0.000 min  
Response: 2856934  
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

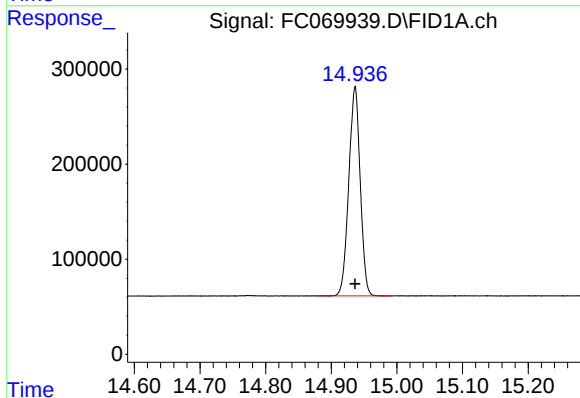
R.T.: 13.079 min  
Delta R.T.: 0.000 min  
Response: 2500104  
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

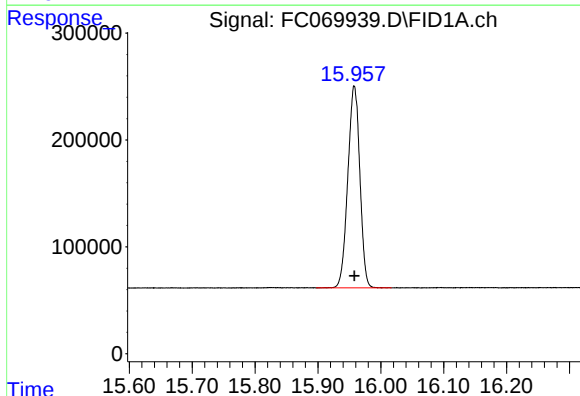
R.T.: 13.831 min  
Delta R.T.: 0.000 min  
Response: 2789185  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



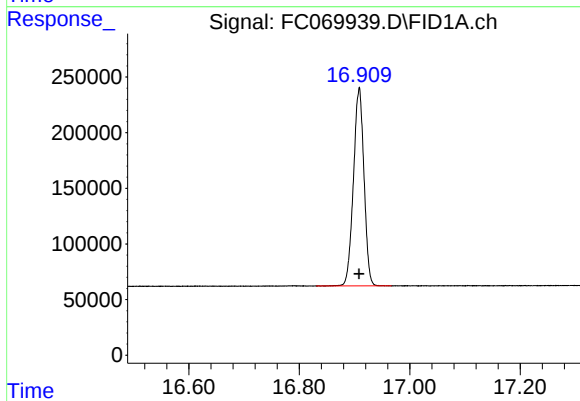
#14 n-Tetracosane (C24)

R.T.: 14.936 min  
Delta R.T.: 0.000 min  
Response: 2665846  
Conc: 20.00 ug/ml



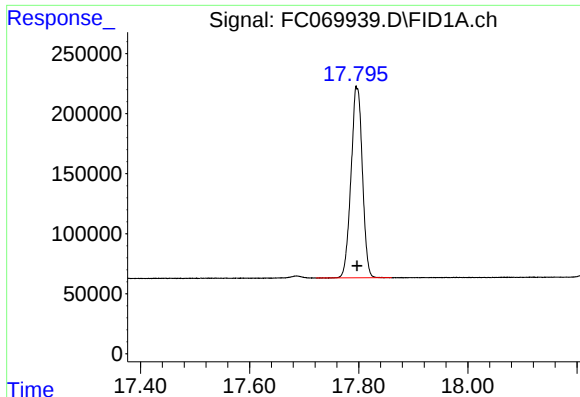
#15 n-Hexacosane (C26)

R.T.: 15.958 min  
Delta R.T.: 0.000 min  
Response: 2511687  
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

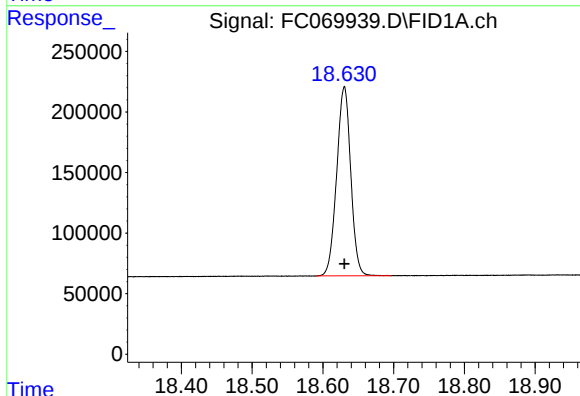
R.T.: 16.908 min  
Delta R.T.: 0.000 min  
Response: 2361381  
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

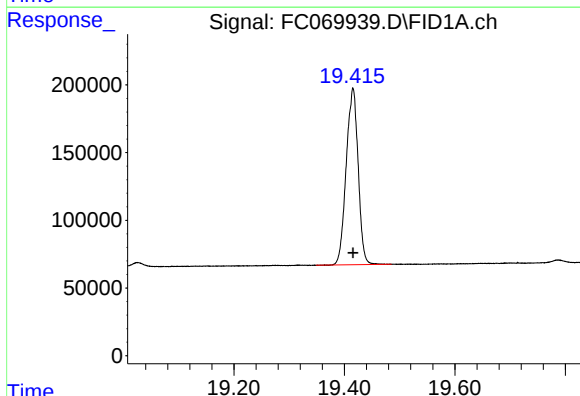
R.T.: 17.797 min  
Delta R.T.: 0.000 min  
Response: 2304010  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



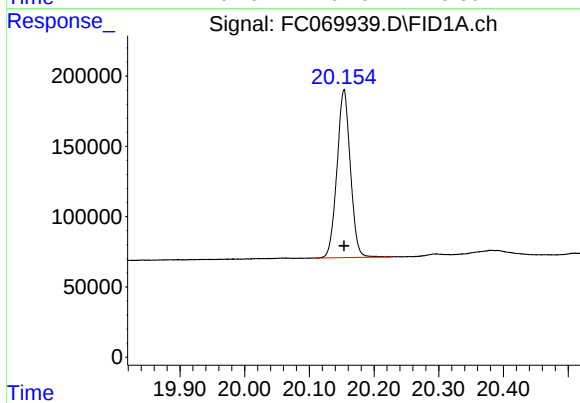
#18 n-Dotriacontane (C32)

R.T.: 18.630 min  
Delta R.T.: 0.000 min  
Response: 2157650  
Conc: 20.00 ug/ml



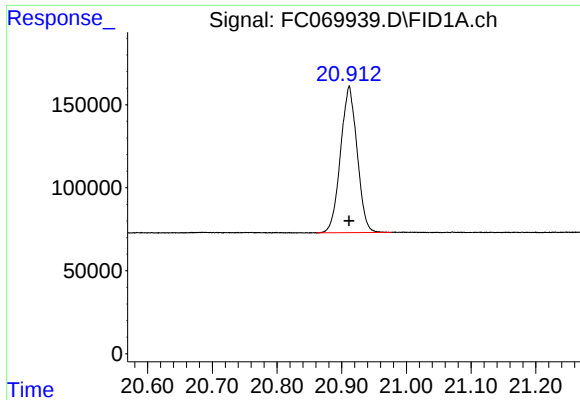
#19 n-Tetratriacontane (C34)

R.T.: 19.415 min  
Delta R.T.: 0.000 min  
Response: 1957095  
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

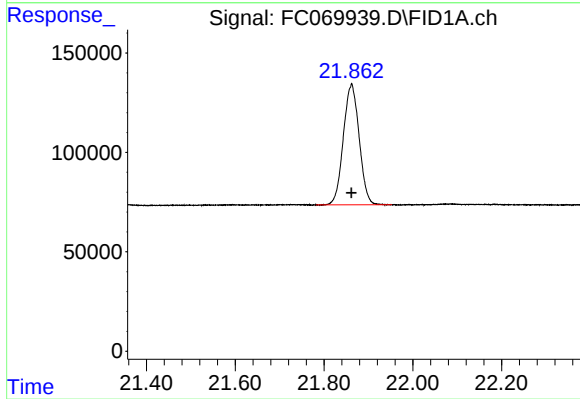
R.T.: 20.153 min  
Delta R.T.: 0.000 min  
Response: 1715254  
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.912 min  
Delta R.T.: 0.000 min  
Response: 1567899  
Conc: 20.00 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.862 min  
Delta R.T.: 0.000 min  
Response: 1503047  
Conc: 20.00 ug/ml

rteres

# Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069939.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 17:50  
 Sample : 20 PPM ALIPHATIC HC STD3  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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                       | 3.383       | 3.354        | 3.439      | BB       | 304942         | 2586179      | 79.97%         | 4.575%        |
| 2                       | 4.455       | 4.422        | 4.507      | BB       | 303233         | 2704739      | 83.64%         | 4.784%        |
| 3                       | 6.048       | 6.015        | 6.145      | BB       | 336136         | 3037797      | 93.94%         | 5.374%        |
| 4                       | 6.477       | 6.442        | 6.529      | BB       | 288019         | 2870146      | 88.75%         | 5.077%        |
| 5                       | 7.106       | 7.069        | 7.209      | BB       | 302692         | 2990239      | 92.47%         | 5.290%        |
| 6                       | 8.275       | 8.235        | 8.360      | BB       | 283402         | 2967400      | 91.76%         | 5.249%        |
| 7                       | 9.879       | 9.844        | 9.962      | BB       | 283622         | 3134629      | 96.93%         | 5.545%        |
| 8                       | 11.322      | 11.229       | 11.382     | BB       | 275975         | 3160241      | 97.72%         | 5.590%        |
| 9                       | 11.644      | 11.607       | 11.697     | BB       | 306418         | 3233829      | 100.00%        | 5.720%        |
| 10                      | 12.633      | 12.592       | 12.682     | BB       | 247337         | 2956263      | 91.42%         | 5.229%        |
| 11                      | 13.079      | 13.039       | 13.134     | BB       | 211975         | 2500104      | 77.31%         | 4.422%        |
| 12                      | 13.245      | 13.182       | 13.294     | BB       | 247074         | 2856934      | 88.35%         | 5.054%        |
| 13                      | 13.831      | 13.772       | 13.885     | BB       | 228326         | 2789185      | 86.25%         | 4.934%        |
| 14                      | 14.936      | 14.877       | 14.992     | BB       | 219421         | 2665846      | 82.44%         | 4.716%        |
| 15                      | 15.958      | 15.897       | 16.017     | BB       | 189463         | 2511687      | 77.67%         | 4.443%        |
| 16                      | 16.908      | 16.830       | 16.967     | BB       | 179015         | 2361381      | 73.02%         | 4.177%        |
| 17                      | 17.797      | 17.722       | 17.860     | BB       | 157250         | 2304010      | 71.25%         | 4.076%        |
| 18                      | 18.630      | 18.590       | 18.697     | BB       | 156475         | 2157650      | 66.72%         | 3.817%        |
| 19                      | 19.415      | 19.349       | 19.485     | BB       | 130941         | 1957095      | 60.52%         | 3.462%        |
| 20                      | 20.153      | 20.110       | 20.227     | BB       | 119849         | 1715254      | 53.04%         | 3.034%        |
| 21                      | 20.912      | 20.860       | 20.977     | BB       | 88544          | 1567899      | 48.48%         | 2.773%        |
| 22                      | 21.862      | 21.782       | 21.952     | BB       | 61121          | 1503047      | 46.48%         | 2.659%        |
| Sum of corrected areas: |             |              |            |          |                |              | 56531551       |               |

Aliphatic EPH 100725.M Tue Oct 07 09:56:50 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069940.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 18:35  
 Operator : YP/AJ  
 Sample : 10 PPM ALIPHATIC HC STD4  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 10 PPM ALIPHATIC HC STD4

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/07/2025  
 Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e  
 Quant Time: Oct 07 09:28:37 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:26:41 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)    | 11.643 | 1801769    | 11.143 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 22.29%        |
| 12) S 1-chlorooctadecane (S... | 13.078 | 1388999    | 11.112 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 22.22%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.383  | 1405419    | 10.869 ug/ml  |
| 2) T n-Decane (C10)            | 4.454  | 1465951    | 10.840 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.048  | 1651182    | 10.871 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.477  | 1556658    | 10.847 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.106  | 1621428    | 10.845 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.274  | 1614710    | 10.883 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.877  | 1710570    | 10.914 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.321 | 1731363    | 10.957 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.632 | 1640453    | 11.098 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.244 | 1588969    | 11.124 ug/ml  |
| 13) T n-Docosane (C22)         | 13.831 | 1574378    | 11.289 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.935 | 1554075    | 11.659 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.957 | 1477357    | 11.764 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.908 | 1413177    | 11.969 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.796 | 1411056    | 12.249 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.630 | 1341453    | 12.434 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.413 | 1188034    | 12.141 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.154 | 1002661    | 11.691 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.911 | 914301     | 11.663 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.862 | 866175     | 11.526 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
Data File : FC069940.D  
Signal(s) : FID1A.ch  
Acq On : 06 Oct 2025 18:35  
Operator : YP/AJ  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

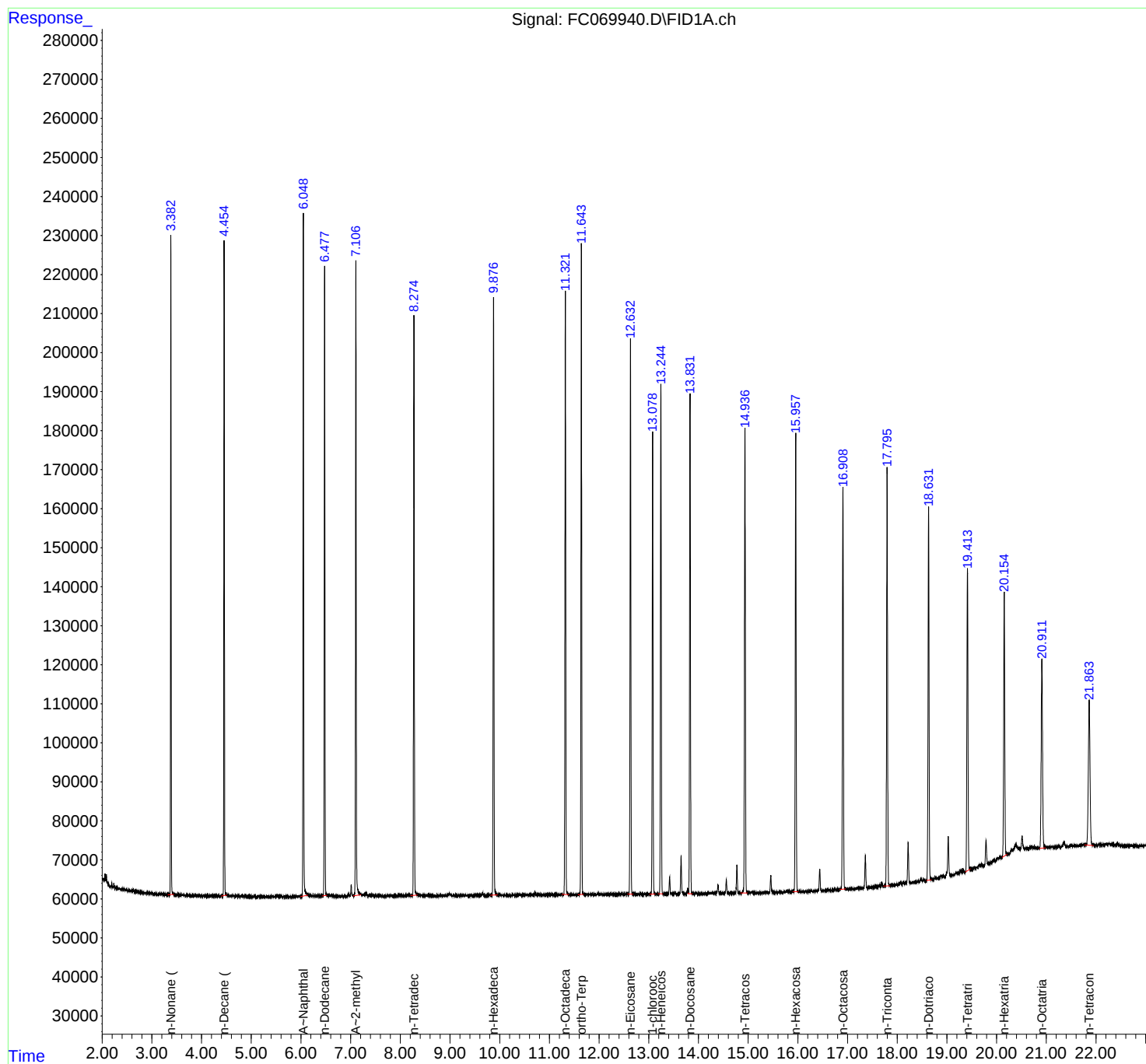
Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

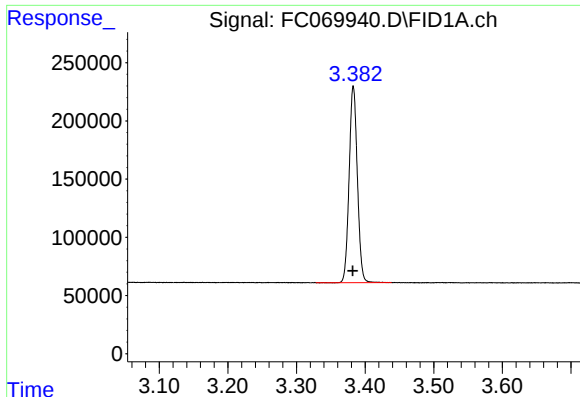
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e  
Quant Time: Oct 07 09:28:37 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:26:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





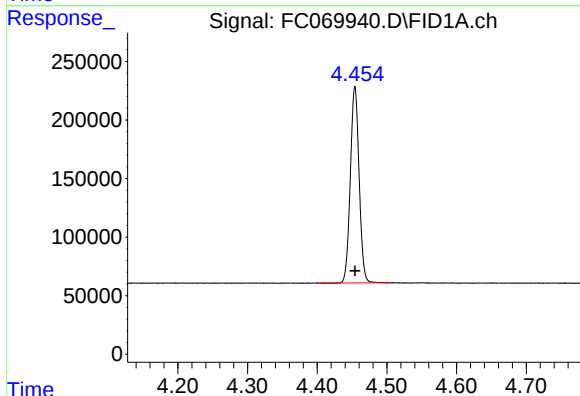
#1 n-Nonane (C9)

R.T.: 3.383 min  
Delta R.T.: 0.000 min  
Response: 1405419  
Conc: 10.87 ug/ml

Instrument : FID\_C  
ClientSampleId : 10 PPM ALIPHATIC HC STD4

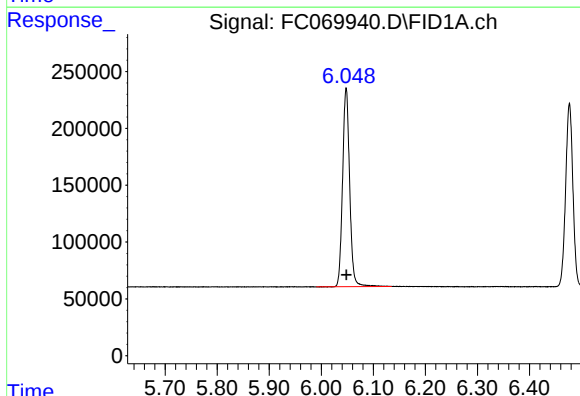
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



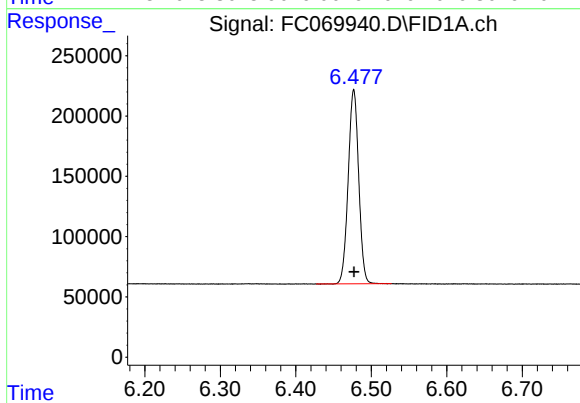
#2 n-Decane (C10)

R.T.: 4.454 min  
Delta R.T.: 0.000 min  
Response: 1465951  
Conc: 10.84 ug/ml



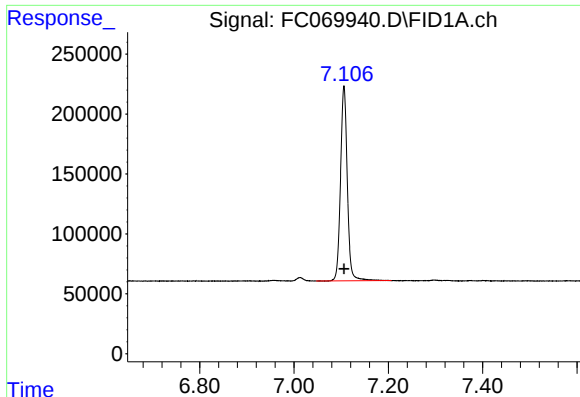
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min  
Delta R.T.: 0.000 min  
Response: 1651182  
Conc: 10.87 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.477 min  
Delta R.T.: 0.000 min  
Response: 1556658  
Conc: 10.85 ug/ml



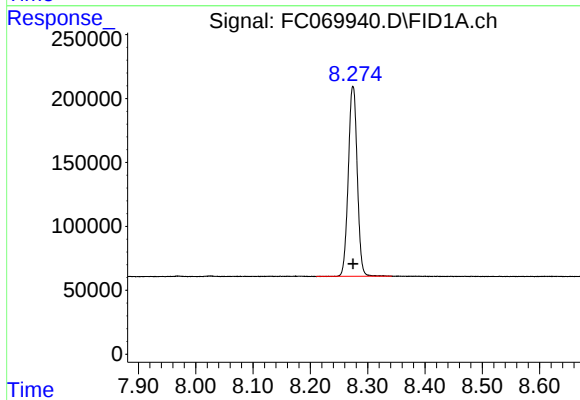
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.106 min  
Delta R.T.: 0.000 min  
Response: 1621428  
Conc: 10.84 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

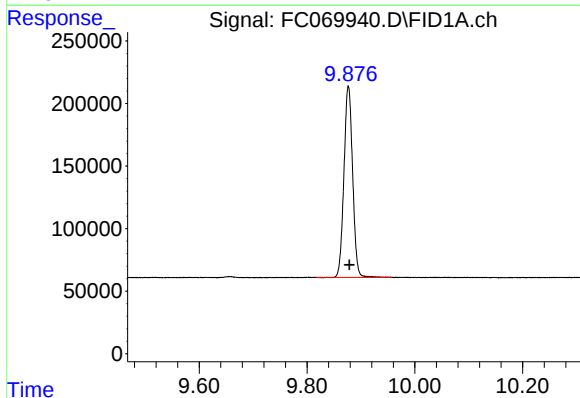
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



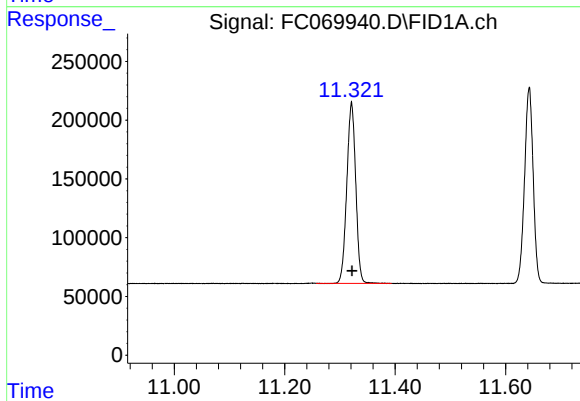
#6 n-Tetradecane (C14)

R.T.: 8.274 min  
Delta R.T.: 0.000 min  
Response: 1614710  
Conc: 10.88 ug/ml



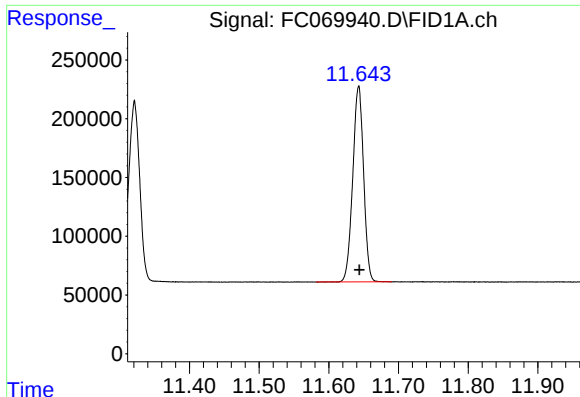
#7 n-Hexadecane (C16)

R.T.: 9.877 min  
Delta R.T.: -0.002 min  
Response: 1710570  
Conc: 10.91 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.321 min  
Delta R.T.: 0.000 min  
Response: 1731363  
Conc: 10.96 ug/ml



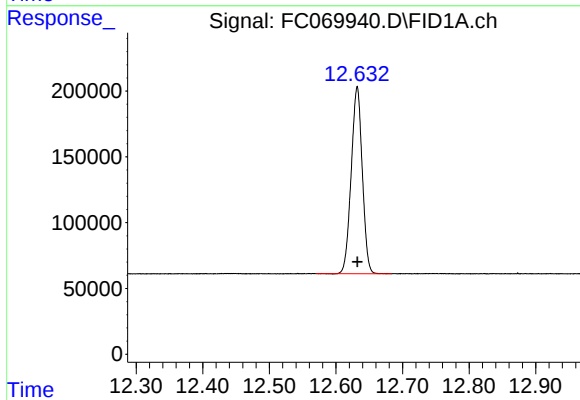
#9 ortho-Terphenyl (SURR)

R.T.: 11.643 min  
Delta R.T.: 0.000 min  
Response: 1801769  
Conc: 11.14 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

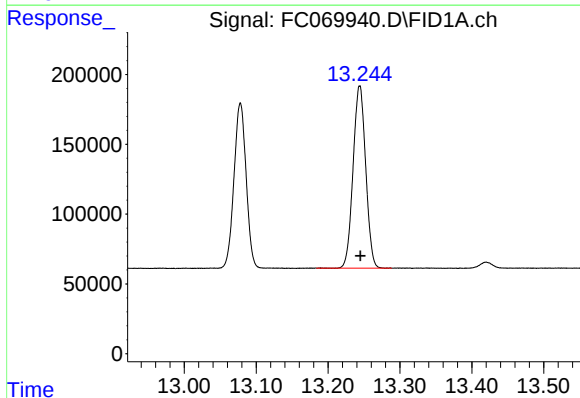
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



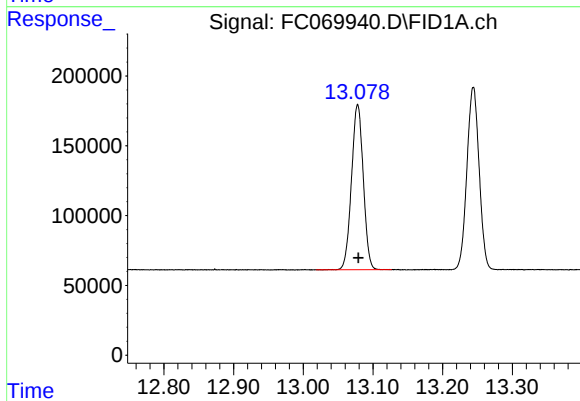
#10 n-Eicosane (C20)

R.T.: 12.632 min  
Delta R.T.: 0.000 min  
Response: 1640453  
Conc: 11.10 ug/ml



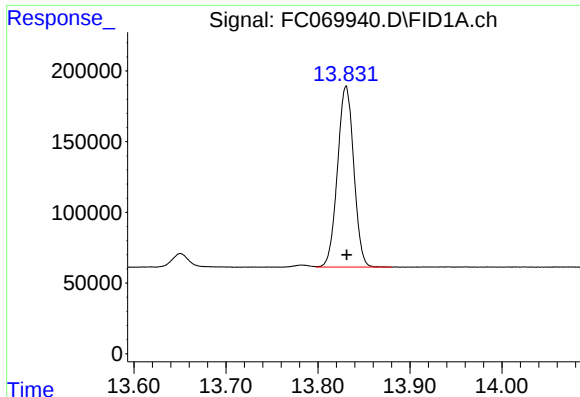
#11 n-Heneicosane (C21)

R.T.: 13.244 min  
Delta R.T.: -0.001 min  
Response: 1588969  
Conc: 11.12 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.078 min  
Delta R.T.: -0.001 min  
Response: 1388999  
Conc: 11.11 ug/ml



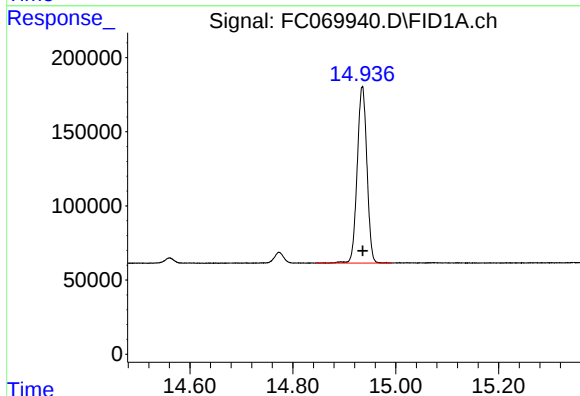
#13 n-Docosane (C22)

R.T.: 13.831 min  
Delta R.T.: 0.000 min  
Response: 1574378  
Conc: 11.29 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

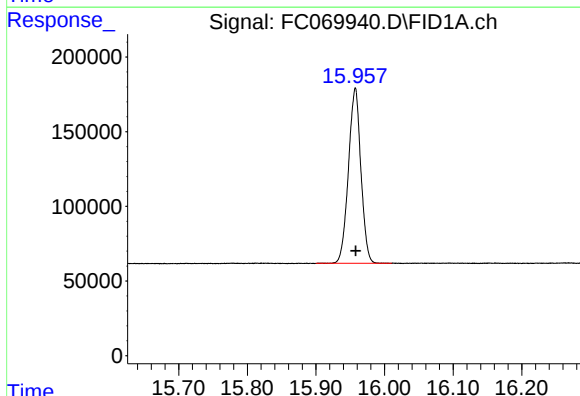
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



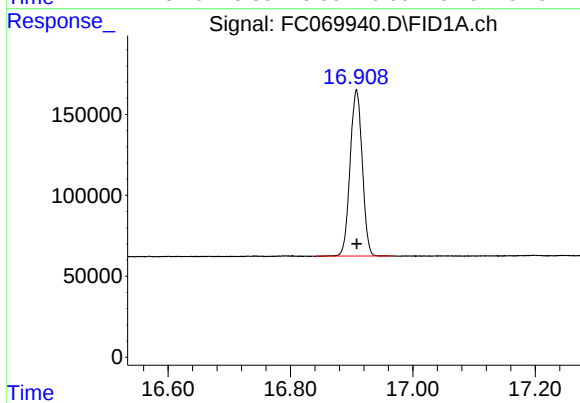
#14 n-Tetracosane (C24)

R.T.: 14.935 min  
Delta R.T.: -0.001 min  
Response: 1554075  
Conc: 11.66 ug/ml



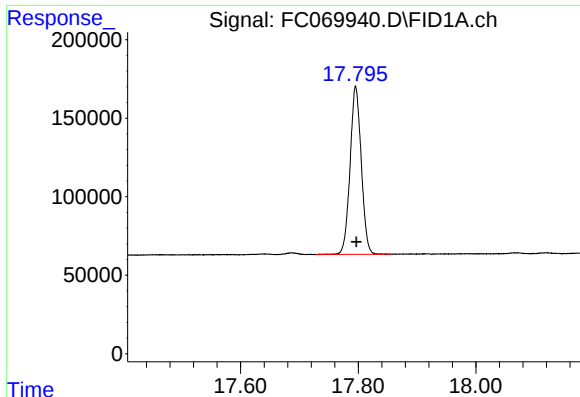
#15 n-Hexacosane (C26)

R.T.: 15.957 min  
Delta R.T.: 0.000 min  
Response: 1477357  
Conc: 11.76 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.908 min  
Delta R.T.: 0.000 min  
Response: 1413177  
Conc: 11.97 ug/ml



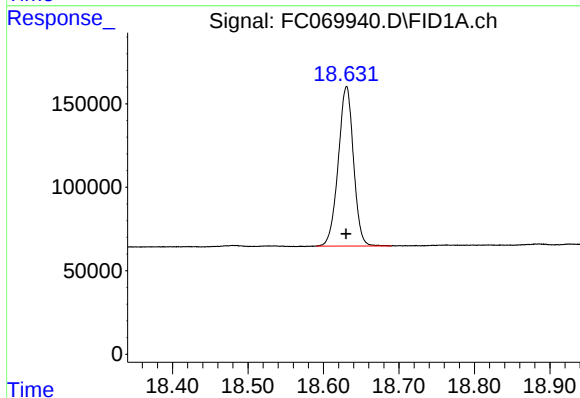
#17 n-Tricontane (C30)

R.T.: 17.796 min  
Delta R.T.: -0.001 min  
Response: 1411056  
Conc: 12.25 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

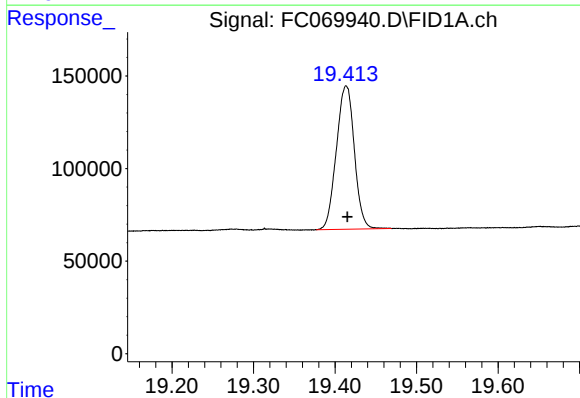
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



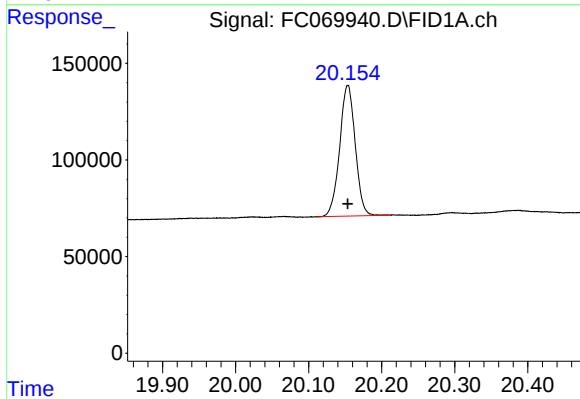
#18 n-Dotriacontane (C32)

R.T.: 18.630 min  
Delta R.T.: 0.000 min  
Response: 1341453  
Conc: 12.43 ug/ml



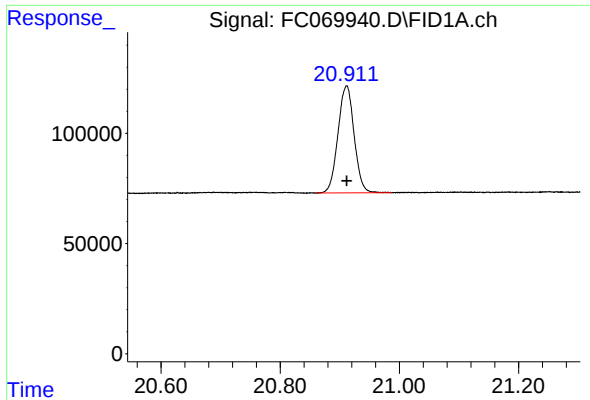
#19 n-Tetratriacontane (C34)

R.T.: 19.413 min  
Delta R.T.: -0.002 min  
Response: 1188034  
Conc: 12.14 ug/ml m



#20 n-Hexatriacontane (C36)

R.T.: 20.154 min  
Delta R.T.: 0.000 min  
Response: 1002661  
Conc: 11.69 ug/ml



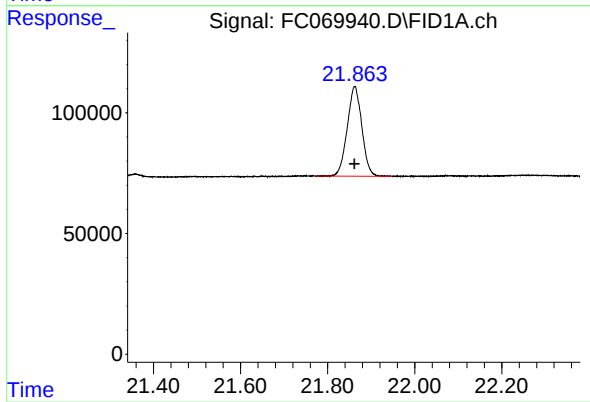
#21 n-Octatriacontane (C38)

R.T.: 20.911 min  
Delta R.T.: 0.000 min  
Response: 914301  
Conc: 11.66 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



#22 n-Tetracontane (C40)

R.T.: 21.862 min  
Delta R.T.: 0.000 min  
Response: 866175  
Conc: 11.53 ug/ml

rteres

Instrument :  
FID\_C  
LabSampleId :  
10 PPM ALIPHATIC HC STD4  
Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725  
Data File : FC069940.D  
Signal(s) : FID1A.ch  
Acq On : 06 Oct 2025 18:35  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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                       | 3.383       | 3.329        | 3.439      | BB       | 168169         | 1405419      | 78.00%         | 4.403%        |
| 2                       | 4.454       | 4.399        | 4.507      | BB       | 167388         | 1465951      | 81.36%         | 4.593%        |
| 3                       | 6.048       | 5.990        | 6.135      | BB       | 175506         | 1651182      | 91.64%         | 5.173%        |
| 4                       | 6.477       | 6.427        | 6.527      | BB       | 161264         | 1556658      | 86.40%         | 4.877%        |
| 5                       | 7.106       | 7.047        | 7.207      | BB       | 162945         | 1621428      | 89.99%         | 5.080%        |
| 6                       | 8.274       | 8.210        | 8.342      | BB       | 148764         | 1614710      | 89.62%         | 5.059%        |
| 7                       | 9.877       | 9.817        | 9.957      | BB       | 152925         | 1710570      | 94.94%         | 5.360%        |
| 8                       | 11.321      | 11.257       | 11.394     | BB       | 153863         | 1731363      | 96.09%         | 5.425%        |
| 9                       | 11.643      | 11.582       | 11.690     | BB       | 166069         | 1801769      | 100.00%        | 5.645%        |
| 10                      | 12.632      | 12.570       | 12.684     | BB       | 142405         | 1640453      | 91.05%         | 5.140%        |
| 11                      | 13.078      | 13.019       | 13.127     | BB       | 118480         | 1388999      | 77.09%         | 4.352%        |
| 12                      | 13.244      | 13.184       | 13.289     | BB       | 130906         | 1588969      | 88.19%         | 4.979%        |
| 13                      | 13.831      | 13.798       | 13.880     | VB       | 127858         | 1574378      | 87.38%         | 4.933%        |
| 14                      | 14.935      | 14.845       | 14.992     | BB       | 118885         | 1554075      | 86.25%         | 4.869%        |
| 15                      | 15.957      | 15.900       | 16.010     | BB       | 117520         | 1477357      | 81.99%         | 4.629%        |
| 16                      | 16.908      | 16.842       | 16.965     | BB       | 102815         | 1413177      | 78.43%         | 4.428%        |
| 17                      | 17.796      | 17.729       | 17.857     | BB       | 107103         | 1411056      | 78.32%         | 4.421%        |
| 18                      | 18.630      | 18.590       | 18.690     | BB       | 95648          | 1341453      | 74.45%         | 4.203%        |
| 19                      | 19.414      | 19.305       | 19.470     | BB       | 77410          | 1184171      | 65.72%         | 3.710%        |
| 20                      | 20.154      | 20.110       | 20.214     | BB       | 67689          | 1002661      | 55.65%         | 3.142%        |
| 21                      | 20.911      | 20.860       | 20.987     | BB       | 48675          | 914301       | 50.74%         | 2.865%        |
| 22                      | 21.862      | 21.774       | 21.947     | BB       | 37160          | 866175       | 48.07%         | 2.714%        |
| Sum of corrected areas: |             |              |            |          |                | 31916275     |                |               |

Aliphatic EPH 100725.M Tue Oct 07 09:57:22 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069941.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 19:19  
 Operator : YP/AJ  
 Sample : 5 PPM ALIPHATIC HC STD5  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e  
 Quant Time: Oct 07 09:28:58 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:26:41 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)    | 11.642 | 945317     | 5.846 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 11.69%      |
| 12) S 1-chlorooctadecane (S... | 13.077 | 725060     | 5.800 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 11.60%      |
| Target Compounds               |        |            |             |
| 1) T n-Nonane (C9)             | 3.384  | 738481     | 5.711 ug/ml |
| 2) T n-Decane (C10)            | 4.455  | 768097     | 5.680 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.048  | 858039     | 5.649 ug/ml |
| 4) T n-Dodecane (C12)          | 6.477  | 814407     | 5.675 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.106  | 839181     | 5.613 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.274  | 834987     | 5.628 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.877  | 890828     | 5.684 ug/ml |
| 8) T n-Octadecane (C18)        | 11.320 | 907348     | 5.742 ug/ml |
| 10) T n-Eicosane (C20)         | 12.631 | 864853     | 5.851 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.243 | 838040     | 5.867 ug/ml |
| 13) T n-Docosane (C22)         | 13.831 | 859000     | 6.160 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.934 | 901906     | 6.766 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.957 | 890282     | 7.089 ug/ml |
| 16) T n-Octacosane (C28)       | 16.906 | 879183     | 7.446 ug/ml |
| 17) T n-Tricontane (C30)       | 17.796 | 882722     | 7.662 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.628 | 847118     | 7.852 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.412 | 720186     | 7.360 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.152 | 578690     | 6.748 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.910 | 500729     | 6.387 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.856 | 450964     | 6.001 ug/ml |
| -----                          |        |            |             |

(f)=RT Delta > 1/2 Window

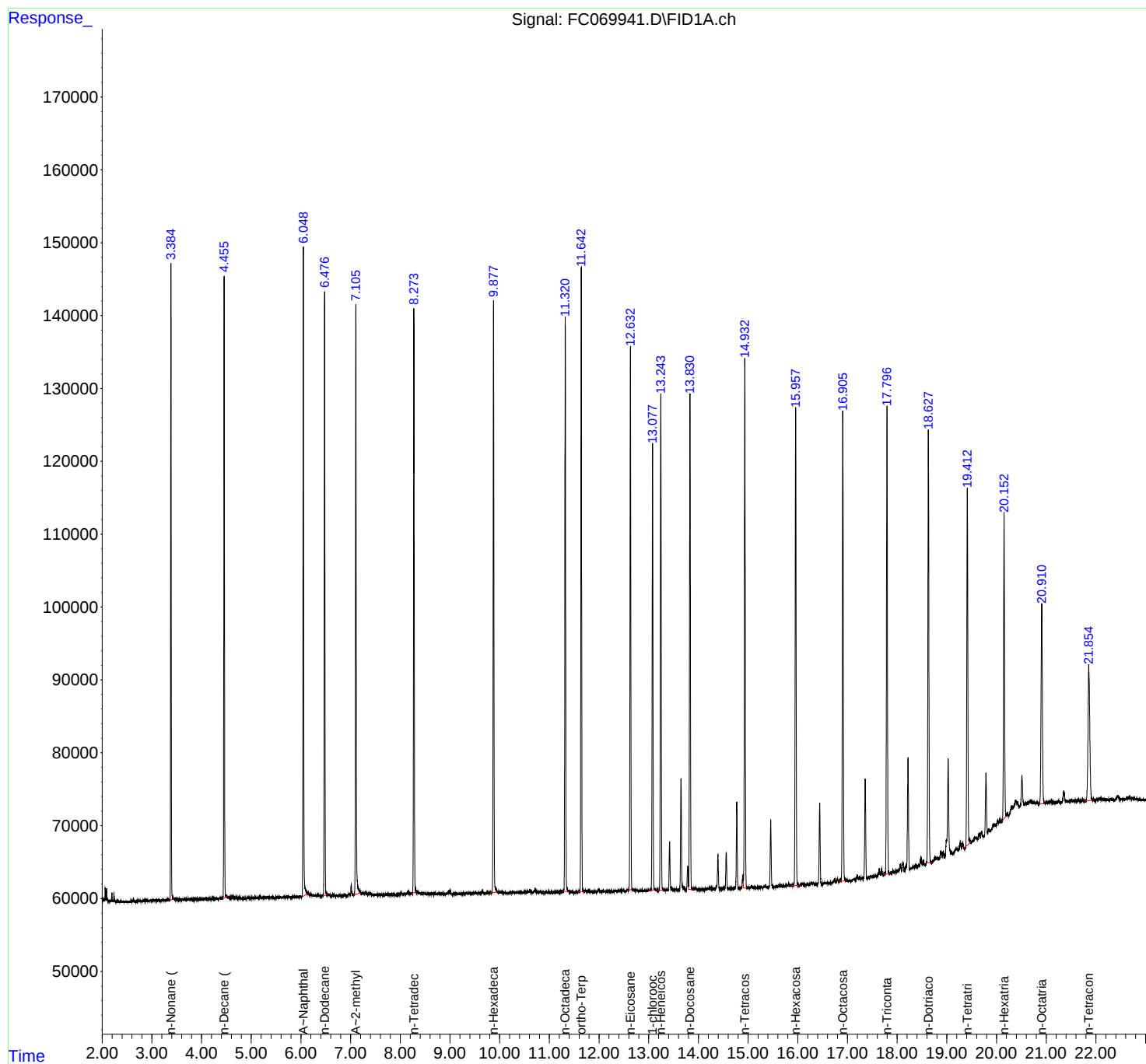
(m)=manual int.

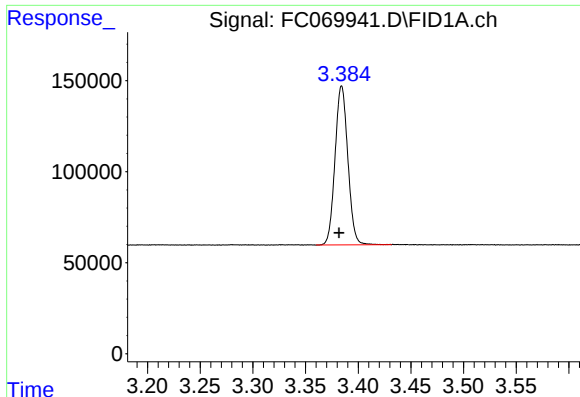
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
Data File : FC069941.D  
Signal(s) : FID1A.ch  
Acq On : 06 Oct 2025 19:19  
Operator : YP/AJ  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e  
Quant Time: Oct 07 09:28:58 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:26:41 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

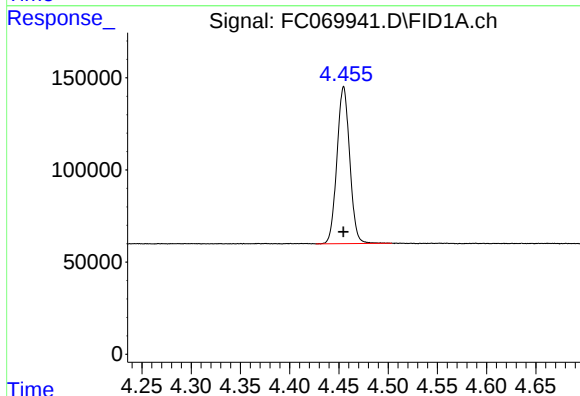




#1 n-Nonane (C9)

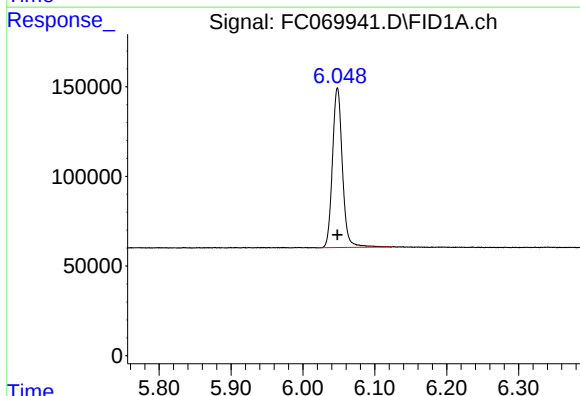
R.T.: 3.384 min  
Delta R.T.: 0.002 min  
Response: 738481  
Conc: 5.71 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



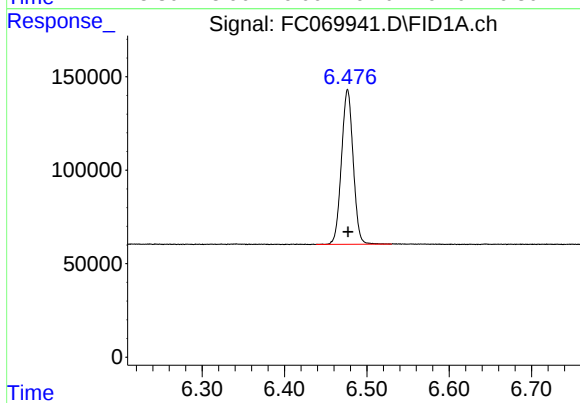
#2 n-Decane (C10)

R.T.: 4.455 min  
Delta R.T.: 0.000 min  
Response: 768097  
Conc: 5.68 ug/ml



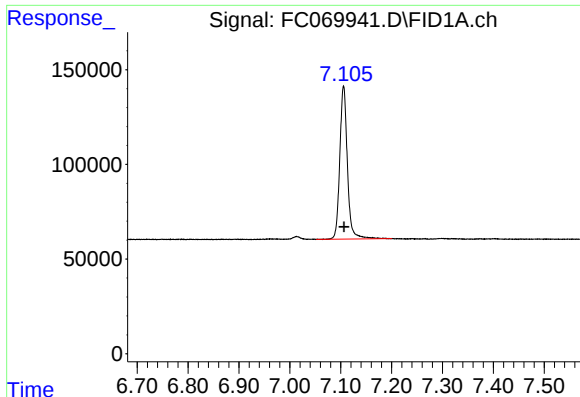
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min  
Delta R.T.: 0.000 min  
Response: 858039  
Conc: 5.65 ug/ml



#4 n-Dodecane (C12)

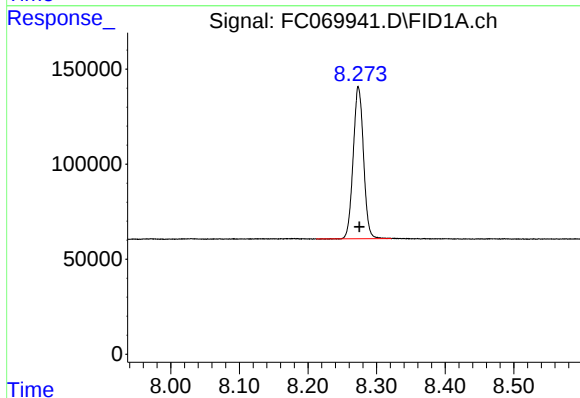
R.T.: 6.477 min  
Delta R.T.: 0.000 min  
Response: 814407  
Conc: 5.68 ug/ml



#5 A~2-methylnaphthalene (C12.89)

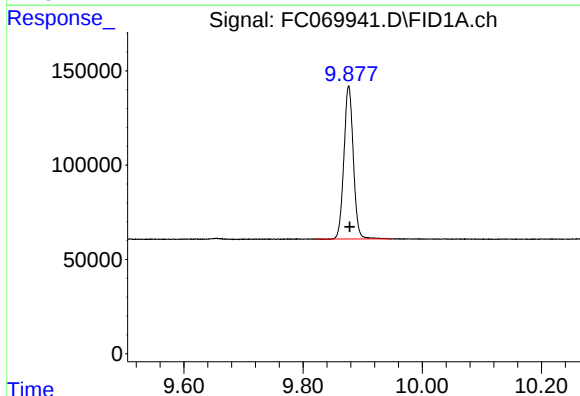
R.T.: 7.106 min  
Delta R.T.: 0.000 min  
Response: 839181  
Conc: 5.61 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



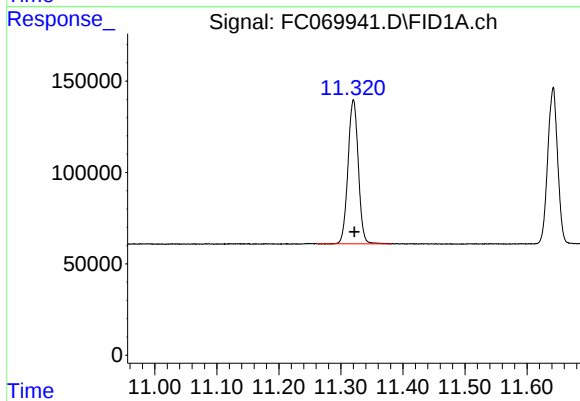
#6 n-Tetradecane (C14)

R.T.: 8.274 min  
Delta R.T.: -0.001 min  
Response: 834987  
Conc: 5.63 ug/ml



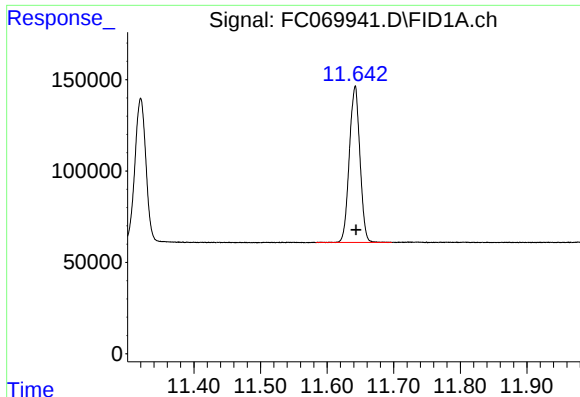
#7 n-Hexadecane (C16)

R.T.: 9.877 min  
Delta R.T.: -0.002 min  
Response: 890828  
Conc: 5.68 ug/ml



#8 n-Octadecane (C18)

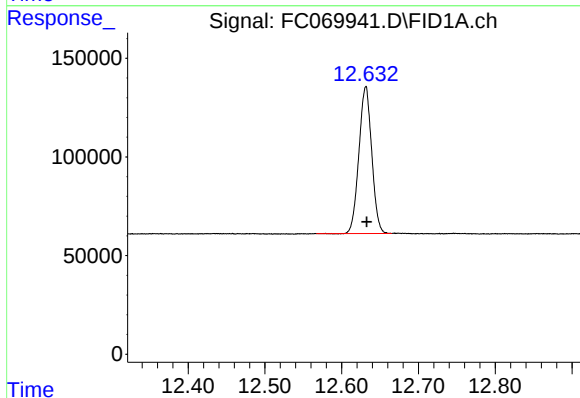
R.T.: 11.320 min  
Delta R.T.: -0.002 min  
Response: 907348  
Conc: 5.74 ug/ml



#9 ortho-Terphenyl (SURR)

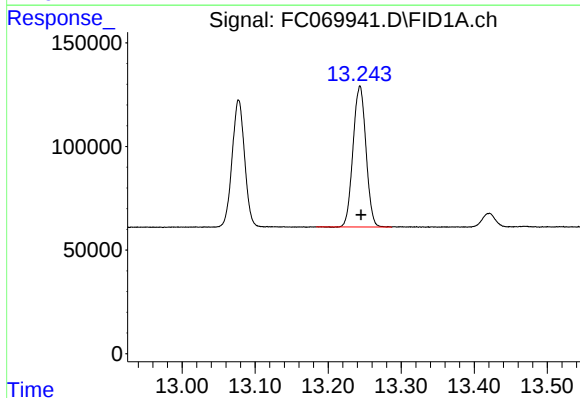
R.T.: 11.642 min  
Delta R.T.: -0.002 min  
Response: 945317  
Conc: 5.85 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



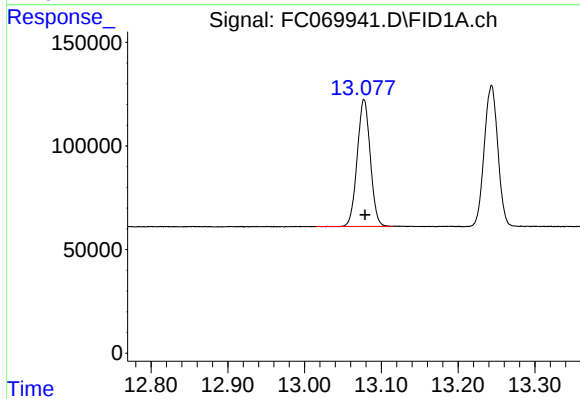
#10 n-Eicosane (C20)

R.T.: 12.631 min  
Delta R.T.: -0.001 min  
Response: 864853  
Conc: 5.85 ug/ml



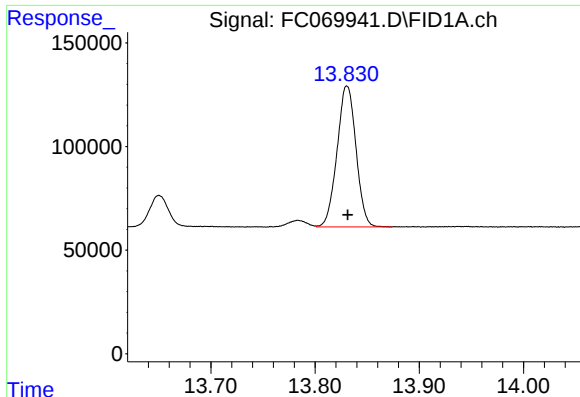
#11 n-Heneicosane (C21)

R.T.: 13.243 min  
Delta R.T.: -0.002 min  
Response: 838040  
Conc: 5.87 ug/ml



#12 1-chlorooctadecane (SURR)

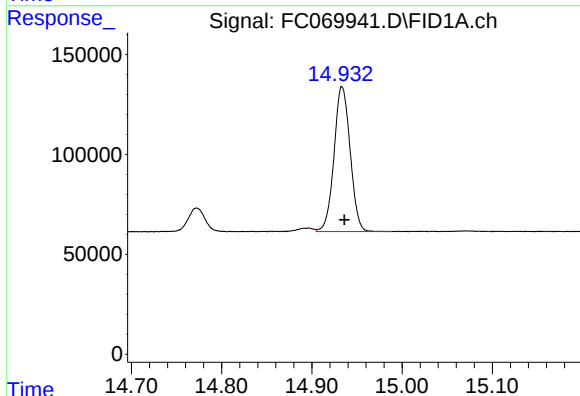
R.T.: 13.077 min  
Delta R.T.: -0.002 min  
Response: 725060  
Conc: 5.80 ug/ml



#13 n-Docosane (C22)

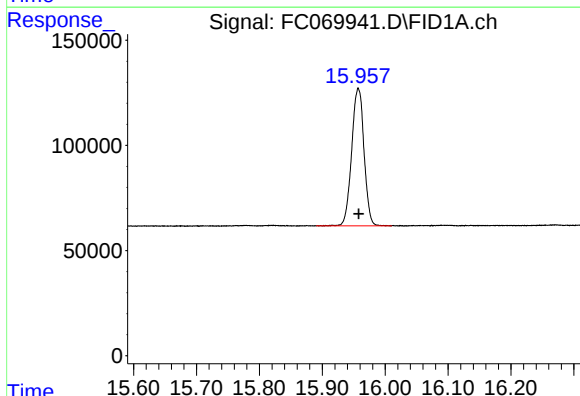
R.T.: 13.831 min  
Delta R.T.: 0.000 min  
Response: 859000  
Conc: 6.16 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



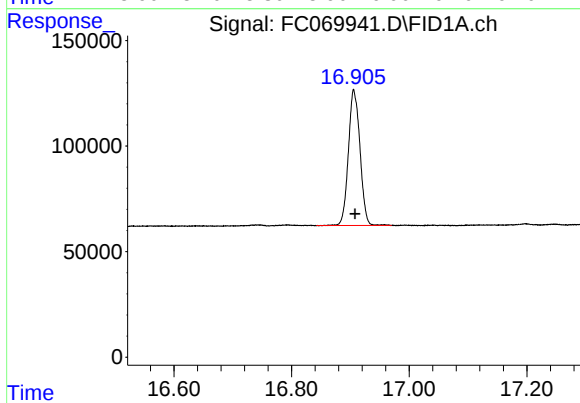
#14 n-Tetracosane (C24)

R.T.: 14.934 min  
Delta R.T.: -0.003 min  
Response: 901906  
Conc: 6.77 ug/ml



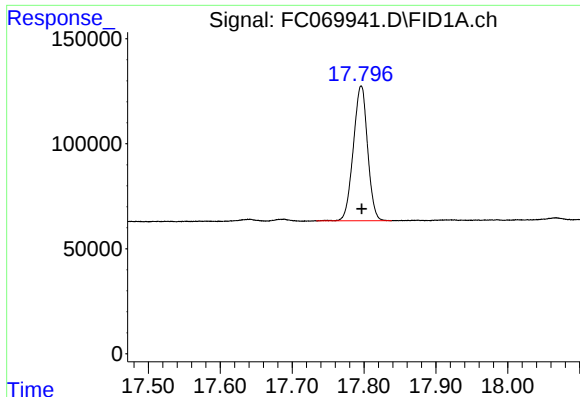
#15 n-Hexacosane (C26)

R.T.: 15.957 min  
Delta R.T.: 0.000 min  
Response: 890282  
Conc: 7.09 ug/ml



#16 n-Octacosane (C28)

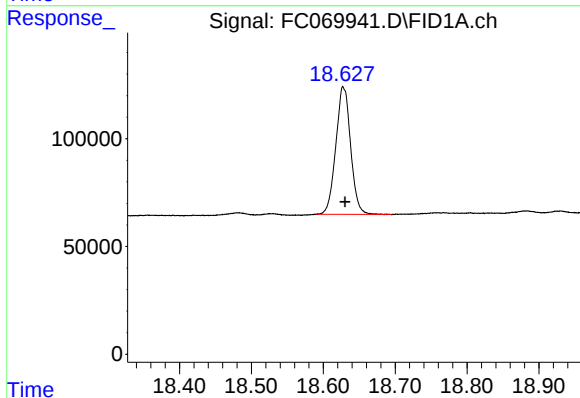
R.T.: 16.906 min  
Delta R.T.: -0.002 min  
Response: 879183  
Conc: 7.45 ug/ml



#17 n-Tricontane (C30)

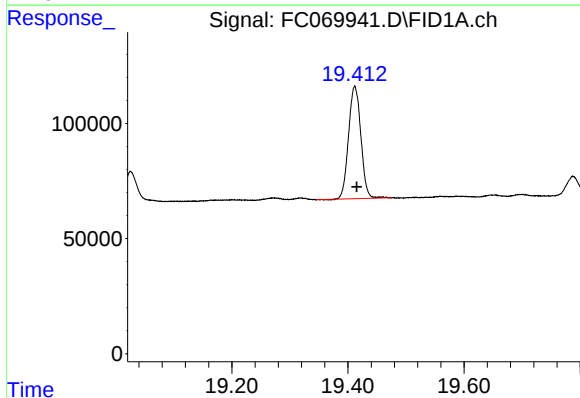
R.T.: 17.796 min  
Delta R.T.: -0.001 min  
Response: 882722  
Conc: 7.66 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



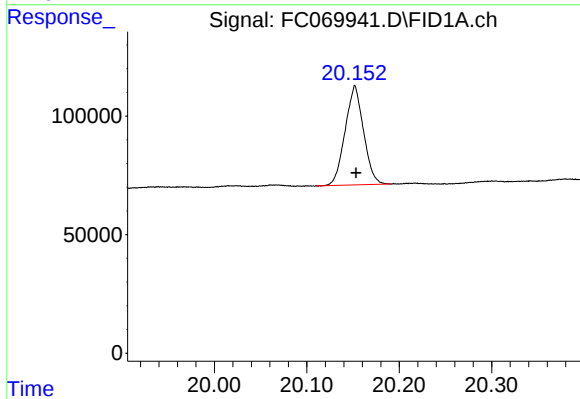
#18 n-Dotriacontane (C32)

R.T.: 18.628 min  
Delta R.T.: -0.002 min  
Response: 847118  
Conc: 7.85 ug/ml



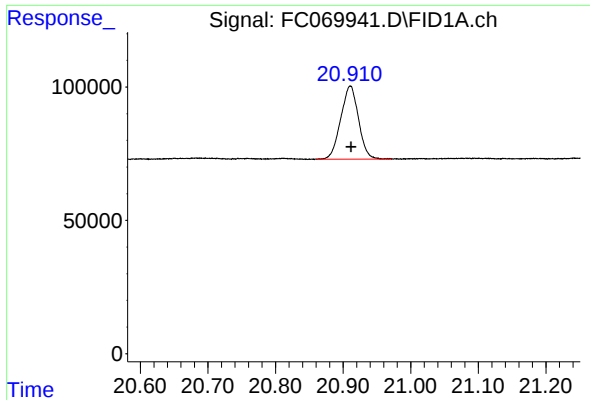
#19 n-Tetratriacontane (C34)

R.T.: 19.412 min  
Delta R.T.: -0.003 min  
Response: 720186  
Conc: 7.36 ug/ml



#20 n-Hexatriacontane (C36)

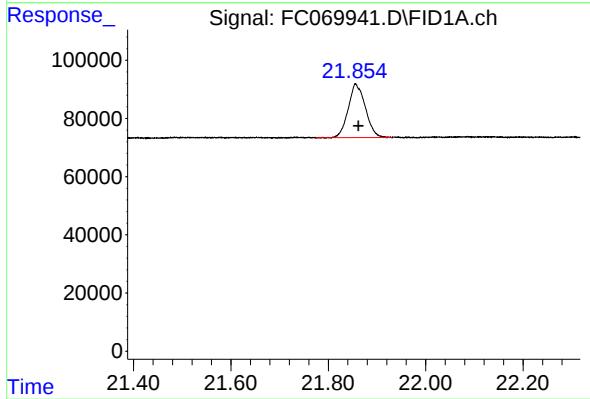
R.T.: 20.152 min  
Delta R.T.: -0.001 min  
Response: 578690  
Conc: 6.75 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.910 min  
Delta R.T.: -0.001 min  
Response: 500729  
Conc: 6.39 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 21.856 min  
Delta R.T.: -0.005 min  
Response: 450964  
Conc: 6.00 ug/ml

rteres

# Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069941.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 19:19  
 Sample : 5 PPM ALIPHATIC HC STD5  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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                       | 3.384       | 3.360        | 3.432      | BB       | 87399          | 738481       | 78.12%         | 4.211%        |
| 2                       | 4.455       | 4.427        | 4.503      | BB       | 85389          | 768097       | 81.25%         | 4.380%        |
| 3                       | 6.048       | 6.018        | 6.123      | BB       | 89131          | 858039       | 90.77%         | 4.893%        |
| 4                       | 6.477       | 6.438        | 6.530      | BB       | 82846          | 814407       | 86.15%         | 4.644%        |
| 5                       | 7.106       | 7.052        | 7.200      | BB       | 80824          | 839181       | 88.77%         | 4.786%        |
| 6                       | 8.274       | 8.212        | 8.322      | BB       | 79816          | 834987       | 88.33%         | 4.762%        |
| 7                       | 9.877       | 9.822        | 9.948      | BB       | 81191          | 890828       | 94.24%         | 5.080%        |
| 8                       | 11.320      | 11.260       | 11.382     | BB       | 78919          | 907348       | 95.98%         | 5.174%        |
| 9                       | 11.642      | 11.583       | 11.697     | BB       | 85468          | 945317       | 100.00%        | 5.391%        |
| 10                      | 12.631      | 12.567       | 12.665     | BB       | 74880          | 864853       | 91.49%         | 4.932%        |
| 11                      | 13.077      | 13.015       | 13.113     | BB       | 61432          | 725060       | 76.70%         | 4.135%        |
| 12                      | 13.243      | 13.183       | 13.287     | BB       | 68289          | 838040       | 88.65%         | 4.779%        |
| 13                      | 13.831      | 13.801       | 13.873     | VB       | 68032          | 859000       | 90.87%         | 4.899%        |
| 14                      | 14.934      | 14.905       | 14.988     | VB       | 72431          | 901906       | 95.41%         | 5.143%        |
| 15                      | 15.957      | 15.890       | 16.010     | BB       | 65508          | 890282       | 94.18%         | 5.077%        |
| 16                      | 16.906      | 16.842       | 16.970     | BB       | 63384          | 879183       | 93.00%         | 5.014%        |
| 17                      | 17.796      | 17.733       | 17.838     | BB       | 64281          | 882722       | 93.38%         | 5.034%        |
| 18                      | 18.628      | 18.590       | 18.695     | BB       | 58574          | 847118       | 89.61%         | 4.831%        |
| 19                      | 19.412      | 19.345       | 19.475     | BB       | 48804          | 720186       | 76.18%         | 4.107%        |
| 20                      | 20.152      | 20.110       | 20.192     | BV       | 41987          | 578690       | 61.22%         | 3.300%        |
| 21                      | 20.910      | 20.860       | 20.972     | BB       | 27441          | 500729       | 52.97%         | 2.856%        |
| 22                      | 21.856      | 21.775       | 21.930     | BB       | 18425          | 450964       | 47.71%         | 2.572%        |
| Sum of corrected areas: |             |              |            |          |                |              | 17535417       |               |

Aliphatic EPH 100725.M Tue Oct 07 09:57:59 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069942.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 20:02  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD ICV  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e  
 Quant Time: Oct 07 09:37:44 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:35:40 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)    | 11.643 | 3426826    | 19.515 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 39.03%       |
| 12) S 1-chlorooctadecane (S... | 13.078 | 2637598    | 19.431 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 38.86%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.384  | 2690163    | 19.591 ug/ml |
| 2) T n-Decane (C10)            | 4.455  | 2807684    | 19.530 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.048  | 3180233    | 19.678 ug/ml |
| 4) T n-Dodecane (C12)          | 6.477  | 2978686    | 19.433 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.106  | 3136946    | 19.661 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.275  | 3069732    | 19.301 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.878  | 3247204    | 19.269 ug/ml |
| 8) T n-Octadecane (C18)        | 11.322 | 3293110    | 19.356 ug/ml |
| 10) T n-Eicosane (C20)         | 12.632 | 3100336    | 19.325 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.245 | 3008707    | 19.377 ug/ml |
| 13) T n-Docosane (C22)         | 13.832 | 2942368    | 19.119 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.936 | 2823498    | 18.621 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.957 | 2666763    | 18.425 ug/ml |
| 16) T n-Octacosane (C28)       | 16.908 | 2509230    | 18.143 ug/ml |
| 17) T n-Tricontane (C30)       | 17.796 | 2433398    | 17.823 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.630 | 2267655    | 17.588 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.413 | 2049192    | 17.960 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.154 | 1789545    | 18.504 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.913 | 1635409    | 18.764 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.863 | 1551501    | 18.883 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

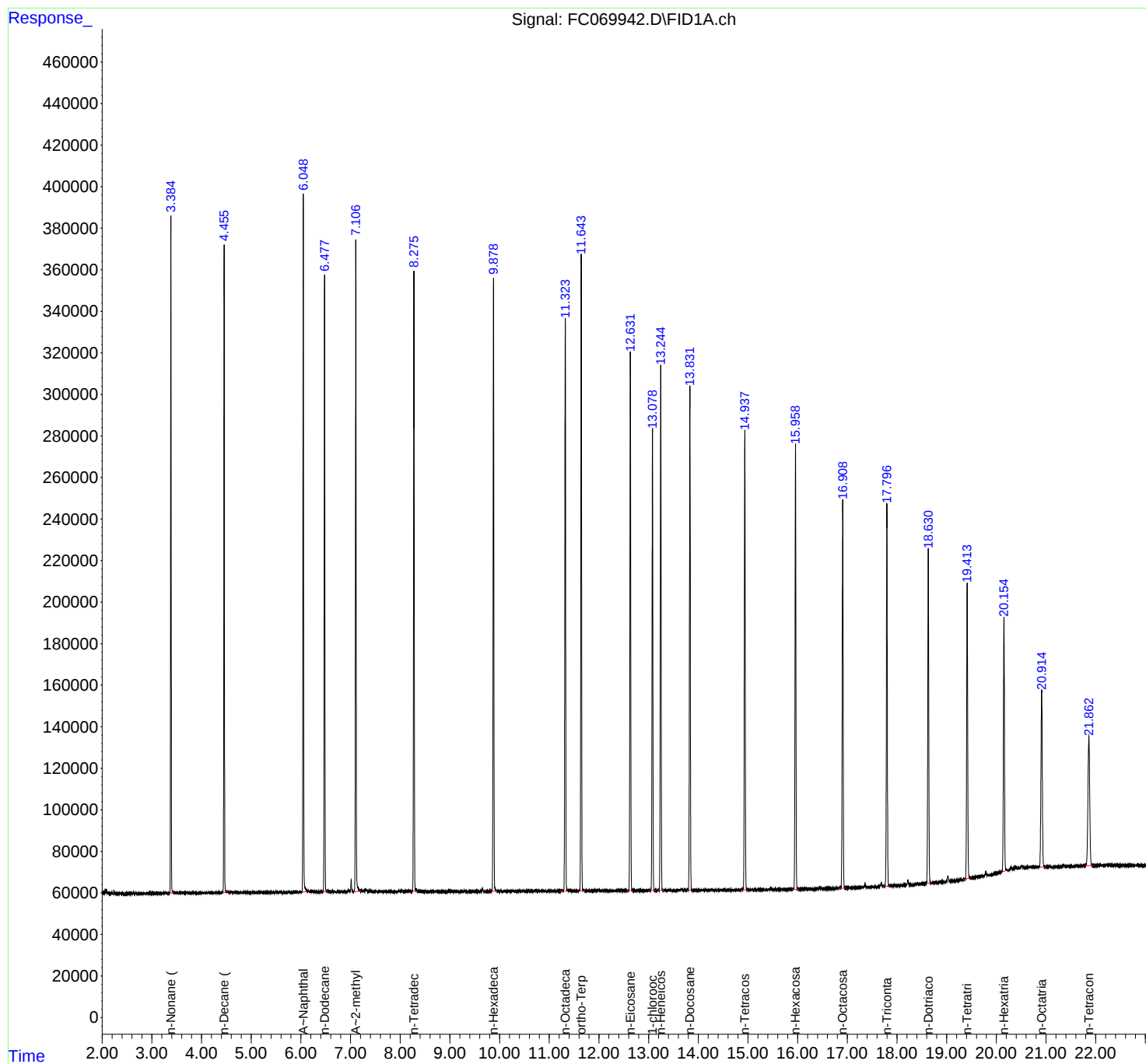
(m)=manual int.

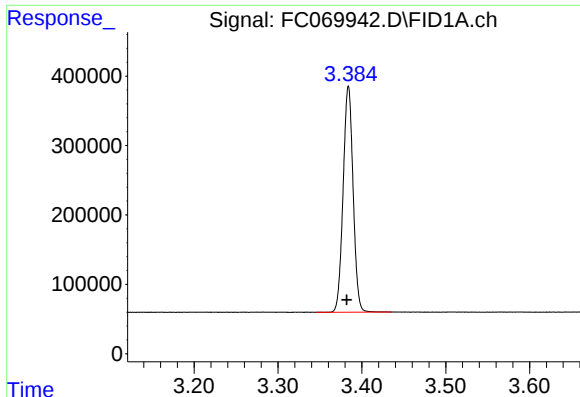
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
Data File : FC069942.D  
Signal(s) : FID1A.ch  
Acq On : 06 Oct 2025 20:02  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD ICV  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e  
Quant Time: Oct 07 09:37:44 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:35:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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





#1 n-Nonane (C9)

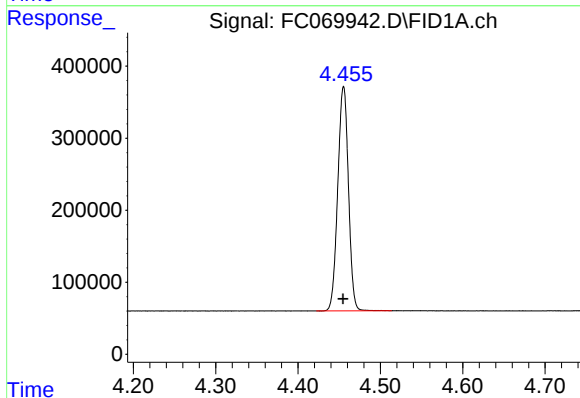
R.T.: 3.384 min  
Delta R.T.: 0.002 min  
Response: 2690163  
Conc: 19.59 ug/ml

Instrument :

FID\_C

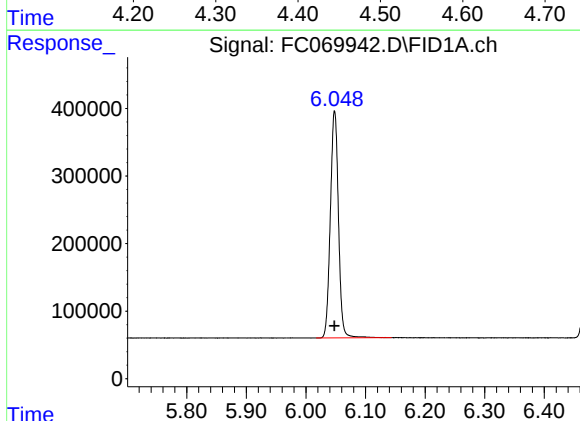
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



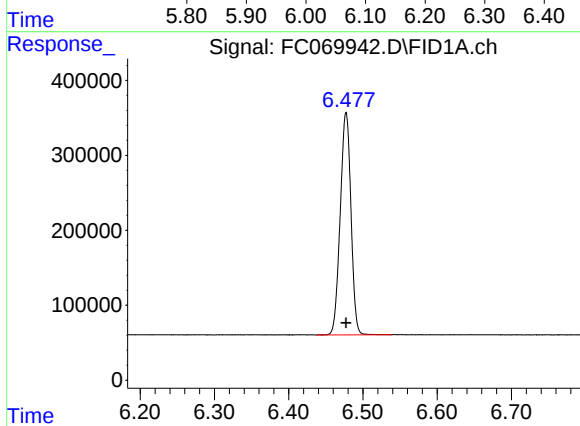
#2 n-Decane (C10)

R.T.: 4.455 min  
Delta R.T.: 0.000 min  
Response: 2807684  
Conc: 19.53 ug/ml



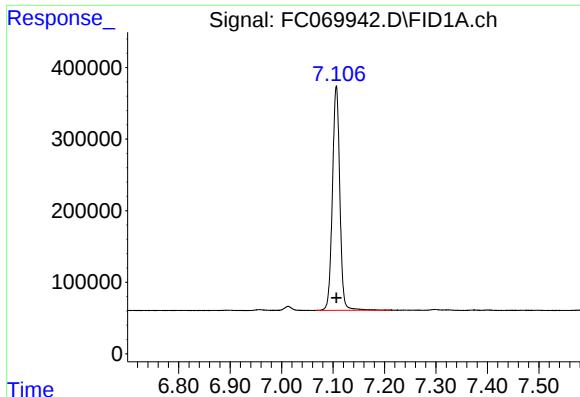
#3 A~Naphthalene (C11.7)

R.T.: 6.048 min  
Delta R.T.: 0.000 min  
Response: 3180233  
Conc: 19.68 ug/ml



#4 n-Dodecane (C12)

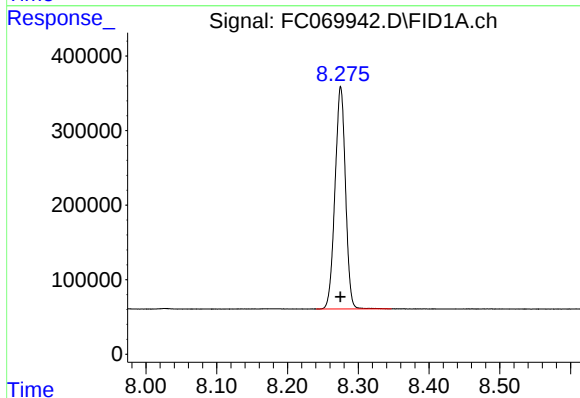
R.T.: 6.477 min  
Delta R.T.: 0.000 min  
Response: 2978686  
Conc: 19.43 ug/ml



#5 A~2-methylnaphthalene (C12.89)

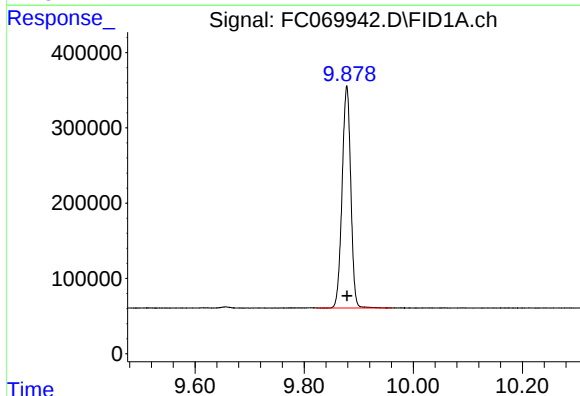
R.T.: 7.106 min  
Delta R.T.: 0.000 min  
Response: 3136946  
Conc: 19.66 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



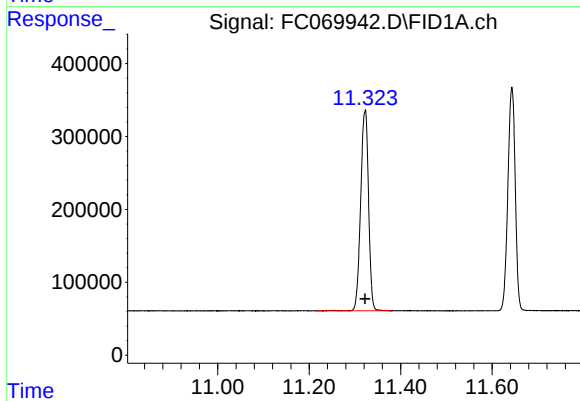
#6 n-Tetradecane (C14)

R.T.: 8.275 min  
Delta R.T.: 0.000 min  
Response: 3069732  
Conc: 19.30 ug/ml



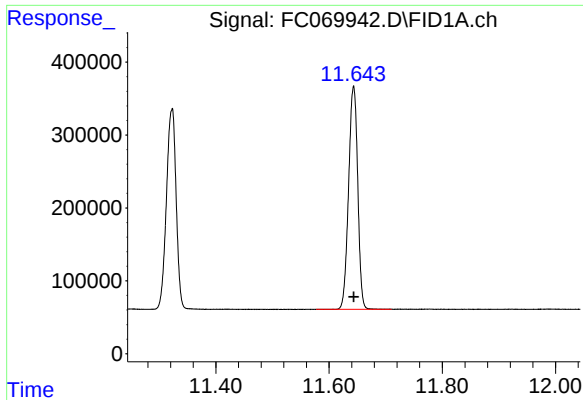
#7 n-Hexadecane (C16)

R.T.: 9.878 min  
Delta R.T.: 0.000 min  
Response: 3247204  
Conc: 19.27 ug/ml



#8 n-Octadecane (C18)

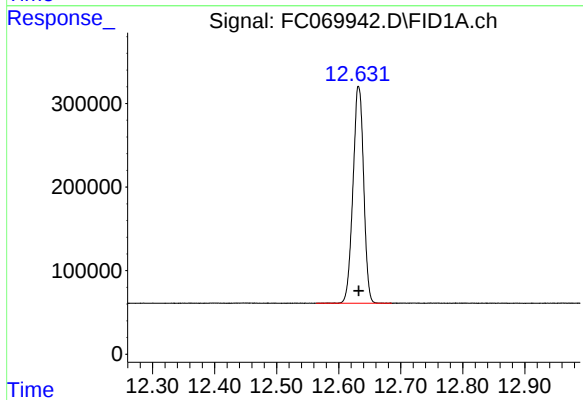
R.T.: 11.322 min  
Delta R.T.: 0.000 min  
Response: 3293110  
Conc: 19.36 ug/ml



#9 ortho-Terphenyl (SURR)

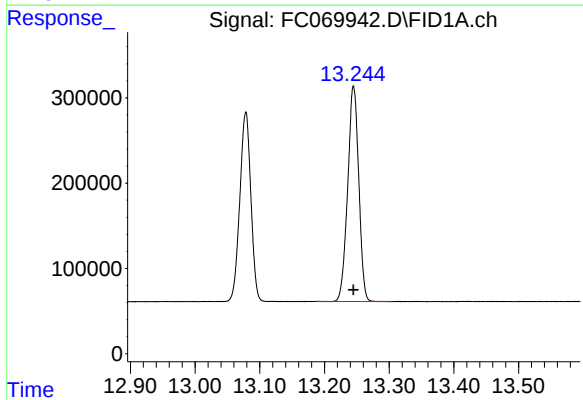
R.T.: 11.643 min  
Delta R.T.: 0.000 min  
Response: 3426826  
Conc: 19.51 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



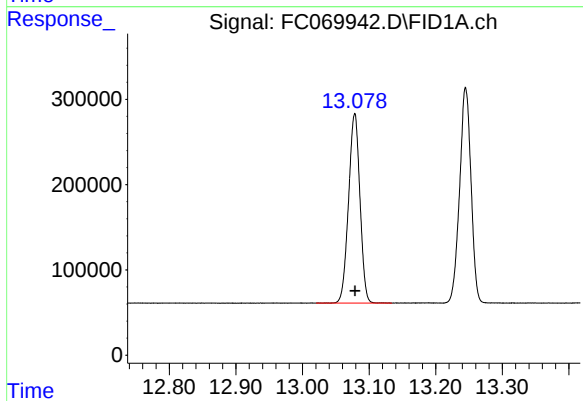
#10 n-Eicosane (C20)

R.T.: 12.632 min  
Delta R.T.: 0.000 min  
Response: 3100336  
Conc: 19.32 ug/ml



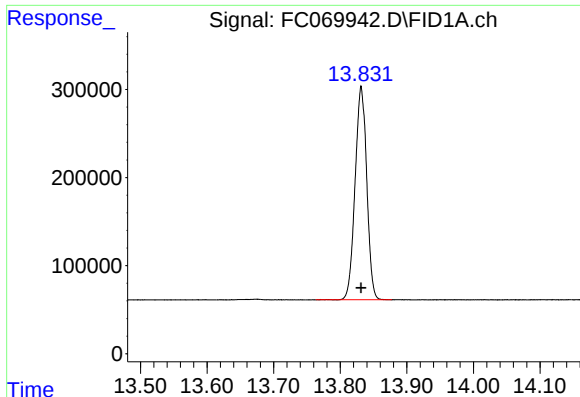
#11 n-Heneicosane (C21)

R.T.: 13.245 min  
Delta R.T.: 0.000 min  
Response: 3008707  
Conc: 19.38 ug/ml



#12 1-chlorooctadecane (SURR)

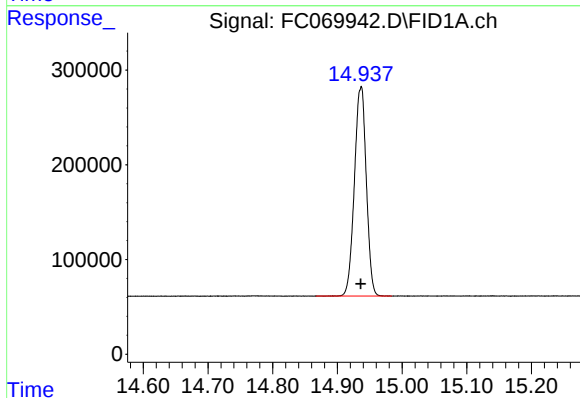
R.T.: 13.078 min  
Delta R.T.: 0.000 min  
Response: 2637598  
Conc: 19.43 ug/ml



#13 n-Docosane (C22)

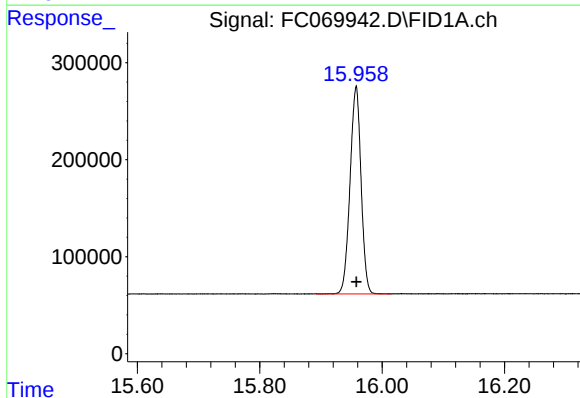
R.T.: 13.832 min  
Delta R.T.: 0.000 min  
Response: 2942368  
Conc: 19.12 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



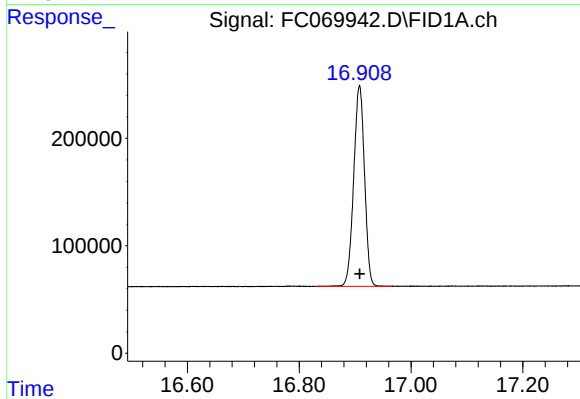
#14 n-Tetracosane (C24)

R.T.: 14.936 min  
Delta R.T.: 0.000 min  
Response: 2823498  
Conc: 18.62 ug/ml



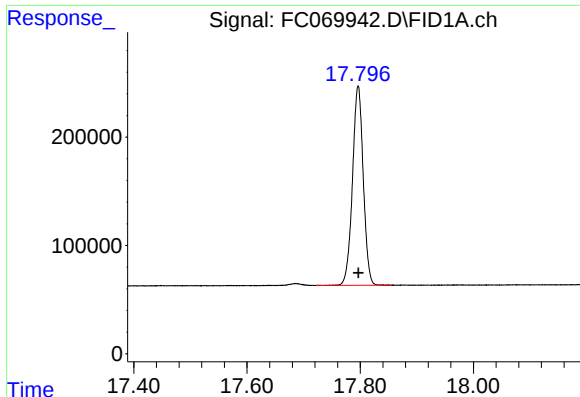
#15 n-Hexacosane (C26)

R.T.: 15.957 min  
Delta R.T.: 0.000 min  
Response: 2666763  
Conc: 18.42 ug/ml



#16 n-Octacosane (C28)

R.T.: 16.908 min  
Delta R.T.: 0.000 min  
Response: 2509230  
Conc: 18.14 ug/ml



#17 n-Tricontane (C30)

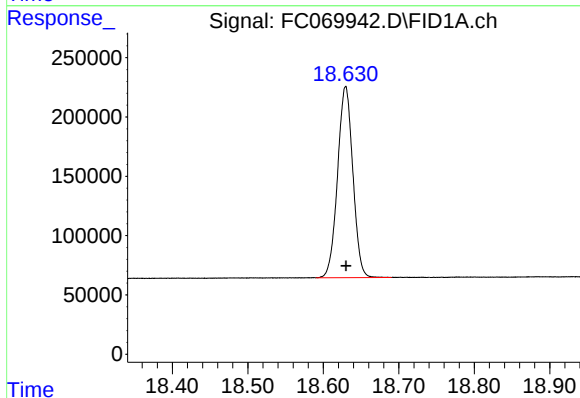
R.T.: 17.796 min  
Delta R.T.: 0.000 min  
Response: 2433398  
Conc: 17.82 ug/ml

Instrument :

FID\_C

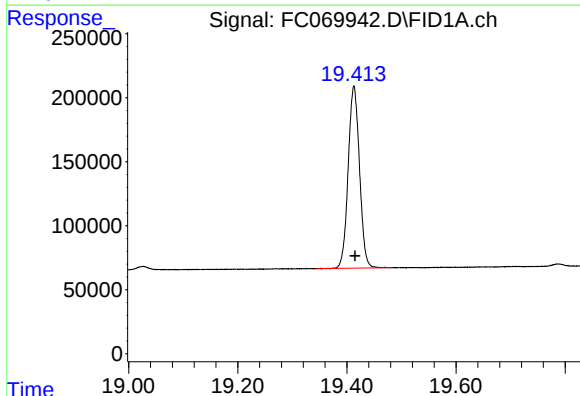
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



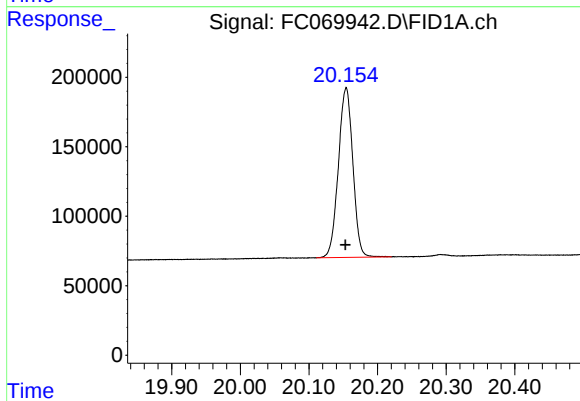
#18 n-Dotriacontane (C32)

R.T.: 18.630 min  
Delta R.T.: 0.000 min  
Response: 2267655  
Conc: 17.59 ug/ml



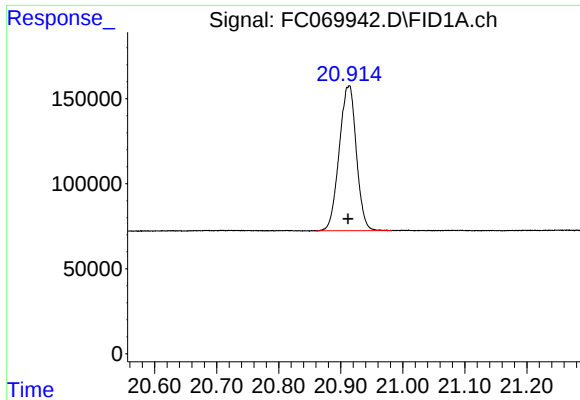
#19 n-Tetatriacontane (C34)

R.T.: 19.413 min  
Delta R.T.: -0.002 min  
Response: 2049192  
Conc: 17.96 ug/ml



#20 n-Hexatriacontane (C36)

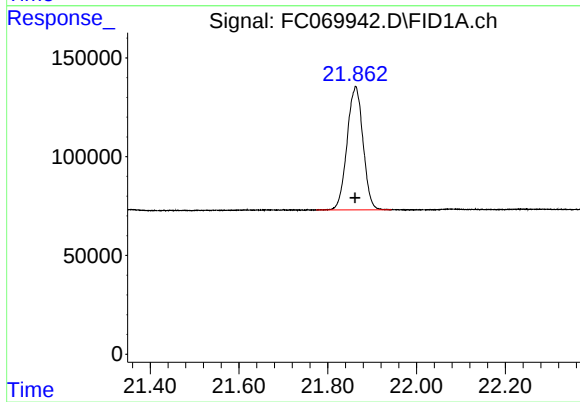
R.T.: 20.154 min  
Delta R.T.: 0.000 min  
Response: 1789545  
Conc: 18.50 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 20.913 min  
Delta R.T.: 0.001 min  
Response: 1635409  
Conc: 18.76 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.863 min  
Delta R.T.: 0.001 min  
Response: 1551501  
Conc: 18.88 ug/ml

rteres

# Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC100725AL\  
 Data File : FC069942.D  
 Signal(s) : FID1A.ch  
 Acq On : 06 Oct 2025 20:02  
 Sample : 20 PPM ALIPHATIC HC STD ICV  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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                       | 3.384       | 3.345        | 3.435      | BB       | 326047         | 2690163      | 78.50%         | 4.541%        |
| 2                       | 4.455       | 4.422        | 4.514      | BB       | 312168         | 2807684      | 81.93%         | 4.739%        |
| 3                       | 6.048       | 6.017        | 6.144      | BB       | 335724         | 3180233      | 92.80%         | 5.368%        |
| 4                       | 6.477       | 6.437        | 6.539      | BB       | 296904         | 2978686      | 86.92%         | 5.028%        |
| 5                       | 7.106       | 7.067        | 7.214      | BB       | 314883         | 3136946      | 91.54%         | 5.295%        |
| 6                       | 8.275       | 8.240        | 8.347      | BB       | 298279         | 3069732      | 89.58%         | 5.181%        |
| 7                       | 9.878       | 9.822        | 9.960      | BB       | 295818         | 3247204      | 94.76%         | 5.481%        |
| 8                       | 11.322      | 11.215       | 11.380     | BB       | 274076         | 3293110      | 96.10%         | 5.558%        |
| 9                       | 11.643      | 11.577       | 11.710     | BB       | 306886         | 3426826      | 100.00%        | 5.784%        |
| 10                      | 12.632      | 12.564       | 12.685     | BB       | 259116         | 3100336      | 90.47%         | 5.233%        |
| 11                      | 13.078      | 13.020       | 13.134     | BB       | 222898         | 2637598      | 76.97%         | 4.452%        |
| 12                      | 13.245      | 13.187       | 13.304     | BB       | 252002         | 3008707      | 87.80%         | 5.078%        |
| 13                      | 13.832      | 13.764       | 13.877     | BB       | 241087         | 2942368      | 85.86%         | 4.966%        |
| 14                      | 14.936      | 14.867       | 14.984     | BB       | 219598         | 2823498      | 82.39%         | 4.766%        |
| 15                      | 15.957      | 15.892       | 16.015     | BB       | 213617         | 2666763      | 77.82%         | 4.501%        |
| 16                      | 16.908      | 16.830       | 16.965     | BB       | 186423         | 2509230      | 73.22%         | 4.235%        |
| 17                      | 17.796      | 17.722       | 17.855     | BB       | 184577         | 2433398      | 71.01%         | 4.107%        |
| 18                      | 18.630      | 18.590       | 18.690     | BB       | 161232         | 2267655      | 66.17%         | 3.828%        |
| 19                      | 19.413      | 19.344       | 19.482     | BB       | 142309         | 2049192      | 59.80%         | 3.459%        |
| 20                      | 20.154      | 20.110       | 20.220     | BB       | 121981         | 1789545      | 52.22%         | 3.021%        |
| 21                      | 20.913      | 20.860       | 20.982     | BB       | 84630          | 1635409      | 47.72%         | 2.760%        |
| 22                      | 21.863      | 21.774       | 21.944     | BB       | 62588          | 1551501      | 45.28%         | 2.619%        |
| Sum of corrected areas: |             |              |            |          |                |              | 59245785       |               |

Aliphatic EPH 100725.M Tue Oct 07 09:58:19 2025

Initial Calibration Report for SequenceID : FE101725AL

**AreaCount**

| Parameter Range   | FE056351.D    | FE056352.D    | FE056353.D   | FE056354.D   | FE056355.D   |  |
|-------------------|---------------|---------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 51362304.000  | 24484485.000  | 9331252.000  | 4992223.000  | 2535328.000  |  |
| Aliphatic C12-C16 | 35984562.000  | 17024793.000  | 6419212.000  | 3420807.000  | 1710363.000  |  |
| Aliphatic C16-C21 | 54557902.000  | 26111407.000  | 10017652.000 | 5459302.000  | 2824749.000  |  |
| Aliphatic C21-C28 | 69668452.000  | 33858844.000  | 12770130.000 | 7257411.000  | 4218376.000  |  |
| Aliphatic C28-C40 | 72014023.000  | 39678481.000  | 14821782.000 | 8648098.000  | 5222376.000  |  |
| Aliphatic EPH     | 283587243.000 | 141158010.000 | 53360028.000 | 29777841.000 | 16511192.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD  |  |  |  |  |
|-------------------|----------------|--------|--|--|--|--|
| Aliphatic C9-C12  | 165077.549333  | 3.705  |  |  |  |  |
| Aliphatic C12-C16 | 170545.538     | 4.039  |  |  |  |  |
| Aliphatic C16-C21 | 178637.9839996 | 4.619  |  |  |  |  |
| Aliphatic C21-C28 | 179089.21      | 10.876 |  |  |  |  |
| Aliphatic C28-C40 | 138802.798333  | 15.71  |  |  |  |  |
| Aliphatic EPH     | 162300.6281108 | 8.197  |  |  |  |  |

**Concentration**

| Parameter Range   | FE056351.D | FE056352.D | FE056353.D | FE056354.D | FE056355.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   | FE056351.D    | FE056352.D    | FE056353.D    | FE056354.D    | FE056355.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 171207.680000 | 163229.900000 | 155520.866666 | 166407.433333 | 169021.866666 |  |
| Aliphatic C12-C16 | 179922.810000 | 170247.930000 | 160480.300000 | 171040.350000 | 171036.300000 |  |
| Aliphatic C16-C21 | 181859.673333 | 174076.046666 | 166960.866666 | 181976.733333 | 188316.600000 |  |

Initial Calibration Report for SequenceID : FE101725AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 174171.130000 | 169294.220000 | 159626.625000 | 181435.275000 | 210918.800000 |  |
| Aliphatic C28-C40 | 120023.371666 | 132261.603333 | 123514.850000 | 144134.966666 | 174079.200000 |  |
| Aliphatic EPH     | 157548.468333 | 156842.233333 | 148222.300000 | 165432.450000 | 183457.688888 |  |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
 Data File : FE056351.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Oct 2025 17:30  
 Operator : YP\AJ  
 Sample : 100 PPM ALIPHATIC HC STD1  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e  
 Quant Time: Oct 17 08:22:21 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 08:21:56 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)    | 12.064 | 20852864   | 108.984 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 217.97%       |
| 12) S 1-chlorooctadecane (S... | 13.498 | 15819424   | 110.343 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 220.69%       |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.403  | 16701525   | 108.675 ug/ml |
| 2) T n-Decane (C10)            | 4.658  | 17110103   | 110.237 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.375  | 18882703   | 112.318 ug/ml |
| 4) T n-Dodecane (C12)          | 6.832  | 17550676   | 111.314 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.477  | 18456816   | 115.415 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.669  | 17622151   | 112.804 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.285 | 18362411   | 111.462 ug/ml |
| 8) T n-Octadecane (C18)        | 11.736 | 18690483   | 109.385 ug/ml |
| 10) T n-Eicosane (C20)         | 13.050 | 18055108   | 108.766 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.665 | 17812311   | 108.602 ug/ml |
| 13) T n-Docosane (C22)         | 14.253 | 17739457   | 109.132 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.360 | 17696970   | 109.148 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.384 | 17350154   | 109.075 ug/ml |
| 16) T n-Octacosane (C28)       | 17.336 | 16881871   | 109.090 ug/ml |
| 17) T n-Tricontane (C30)       | 18.225 | 16886172   | 107.821 ug/ml |
| 18) T n-Dotriacontane (C32)    | 19.060 | 15916843   | 106.136 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.844 | 13701503   | 101.361 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.583 | 10404717   | 90.355 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.354 | 8143025    | 82.504 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.329 | 6961763    | 81.441 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

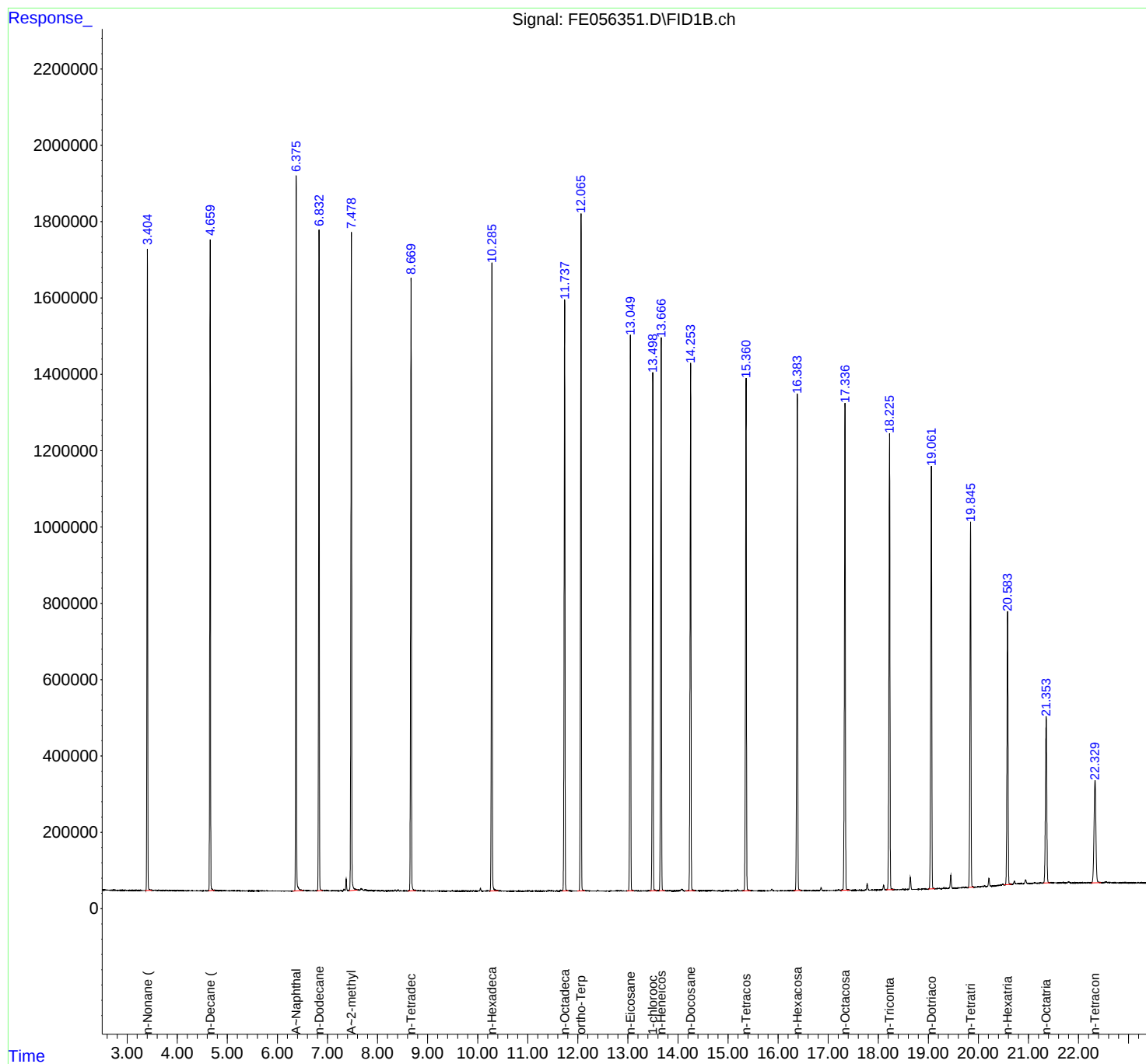
(m)=manual int.

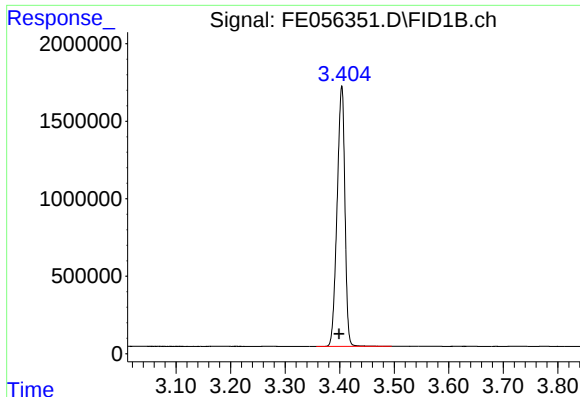
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056351.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 17:30  
Operator : YP\AJ  
Sample : 100 PPM ALIPHATIC HC STD1  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e  
Quant Time: Oct 17 08:22:21 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 08:21:56 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

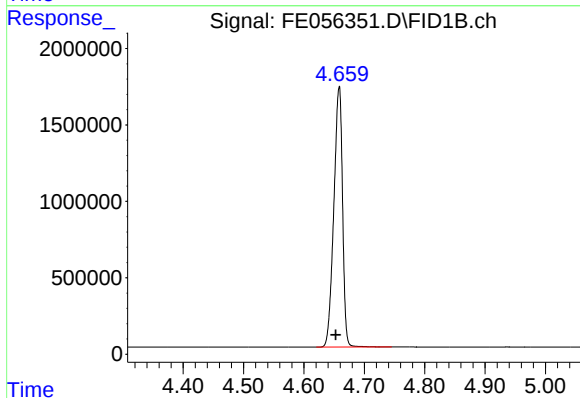




#1 n-Nonane (C9)

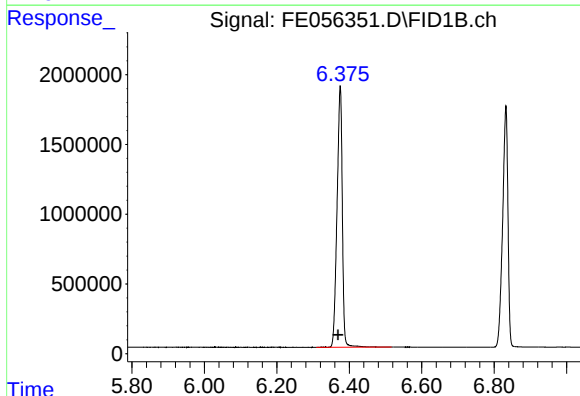
R.T.: 3.403 min  
Delta R.T.: 0.004 min  
Response: 16701525  
Conc: 108.68 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



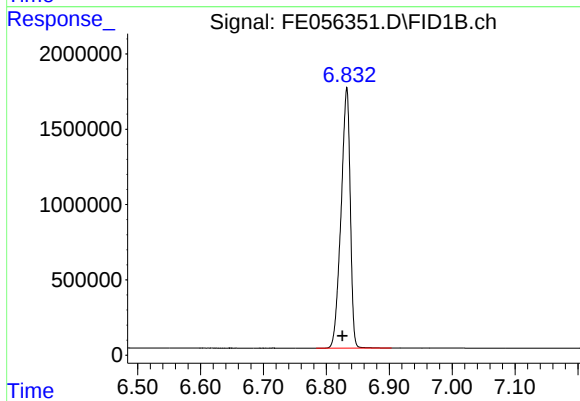
#2 n-Decane (C10)

R.T.: 4.658 min  
Delta R.T.: 0.006 min  
Response: 17110103  
Conc: 110.24 ug/ml



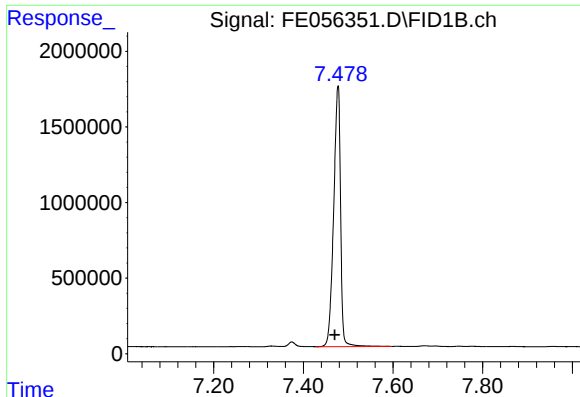
#3 A~Naphthalene (C11.7)

R.T.: 6.375 min  
Delta R.T.: 0.006 min  
Response: 18882703  
Conc: 112.32 ug/ml



#4 n-Dodecane (C12)

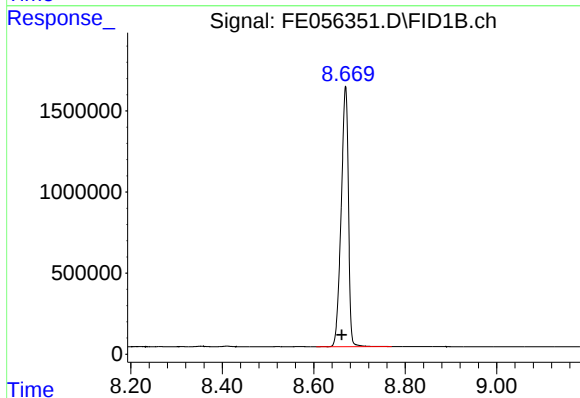
R.T.: 6.832 min  
Delta R.T.: 0.007 min  
Response: 17550676  
Conc: 111.31 ug/ml



#5 A~2-methylnaphthalene (C12.89)

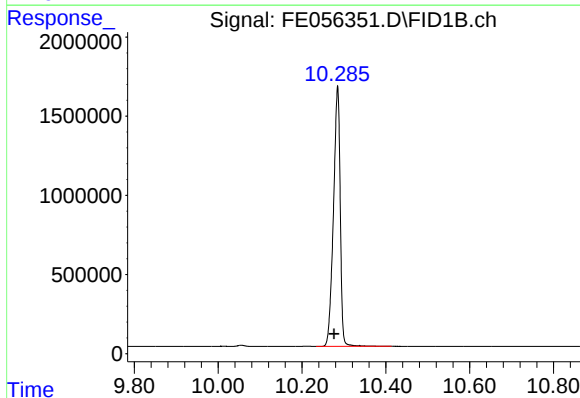
R.T.: 7.477 min  
Delta R.T.: 0.007 min  
Response: 18456816  
Conc: 115.41 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



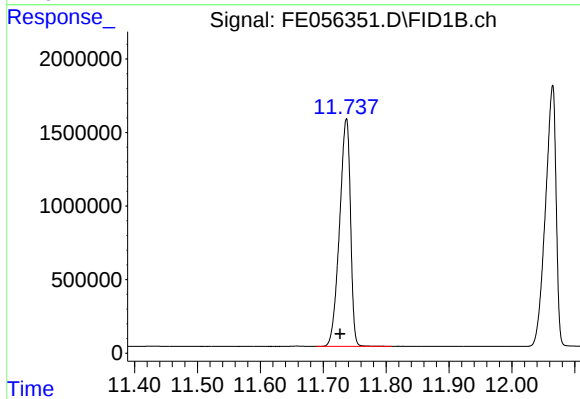
#6 n-Tetradecane (C14)

R.T.: 8.669 min  
Delta R.T.: 0.008 min  
Response: 17622151  
Conc: 112.80 ug/ml



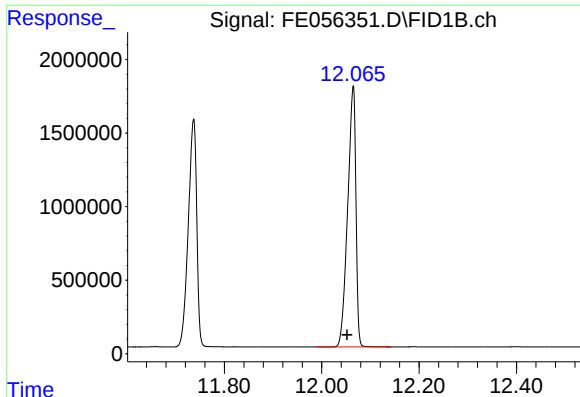
#7 n-Hexadecane (C16)

R.T.: 10.285 min  
Delta R.T.: 0.008 min  
Response: 18362411  
Conc: 111.46 ug/ml



#8 n-Octadecane (C18)

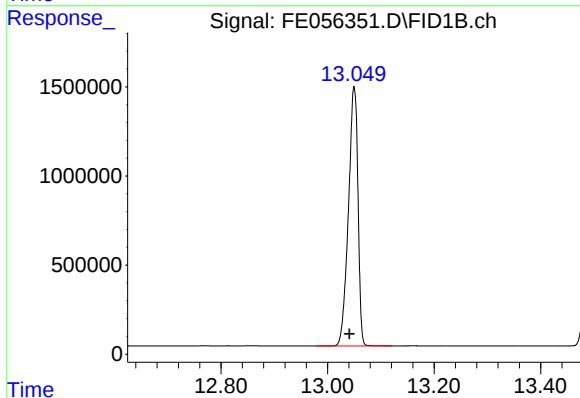
R.T.: 11.736 min  
Delta R.T.: 0.010 min  
Response: 18690483  
Conc: 109.39 ug/ml



#9 ortho-Terphenyl (SURR)

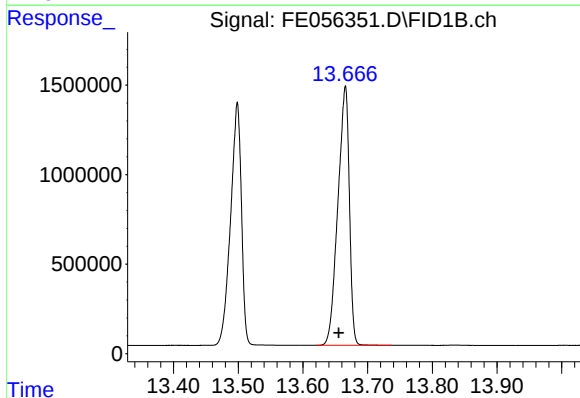
R.T.: 12.064 min  
Delta R.T.: 0.012 min  
Response: 20852864  
Conc: 108.98 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



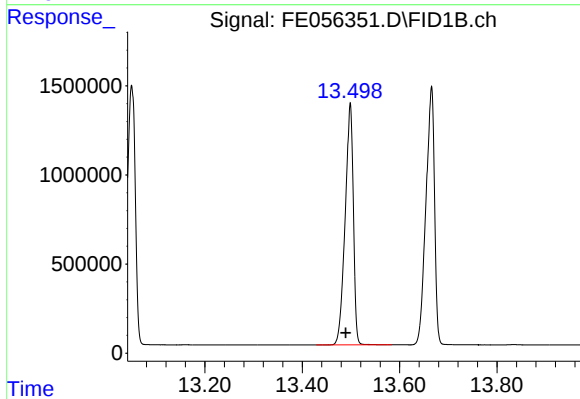
#10 n-Eicosane (C20)

R.T.: 13.050 min  
Delta R.T.: 0.009 min  
Response: 18055108  
Conc: 108.77 ug/ml



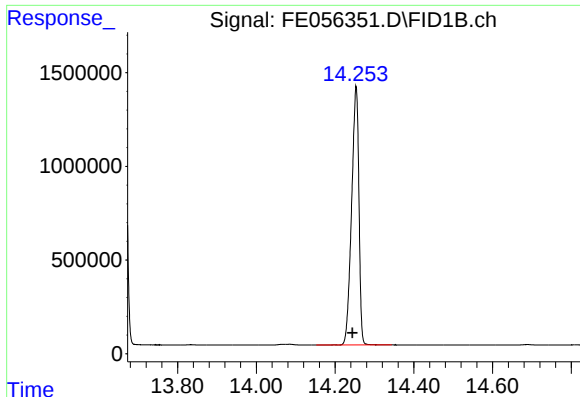
#11 n-Heneicosane (C21)

R.T.: 13.665 min  
Delta R.T.: 0.010 min  
Response: 17812311  
Conc: 108.60 ug/ml



#12 1-chlorooctadecane (SURR)

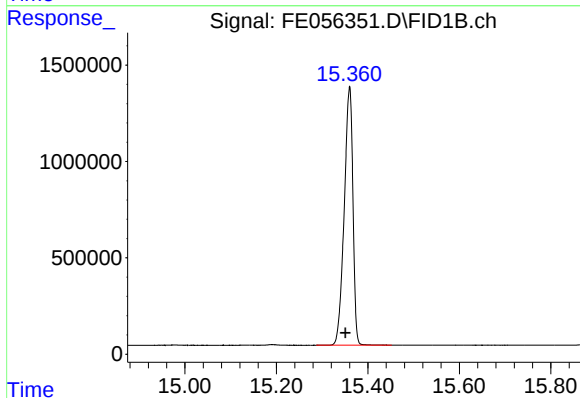
R.T.: 13.498 min  
Delta R.T.: 0.009 min  
Response: 15819424  
Conc: 110.34 ug/ml



#13 n-Docosane (C22)

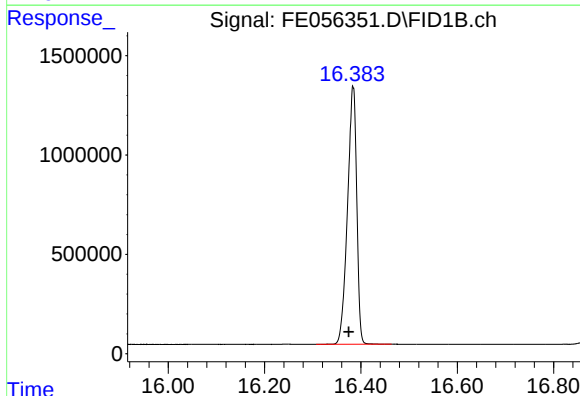
R.T.: 14.253 min  
Delta R.T.: 0.009 min  
Response: 17739457  
Conc: 109.13 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



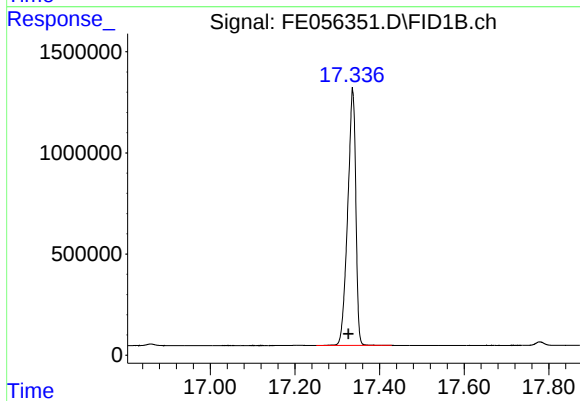
#14 n-Tetracosane (C24)

R.T.: 15.360 min  
Delta R.T.: 0.009 min  
Response: 17696970  
Conc: 109.15 ug/ml



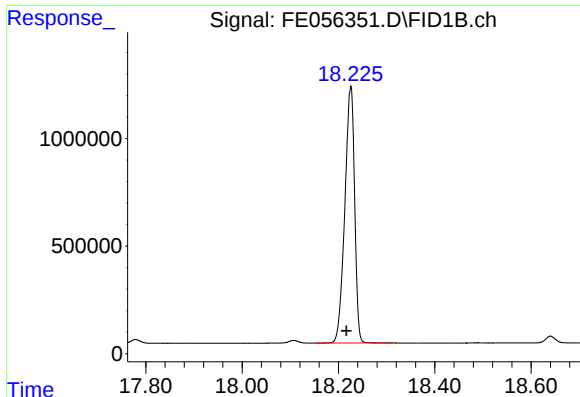
#15 n-Hexacosane (C26)

R.T.: 16.384 min  
Delta R.T.: 0.009 min  
Response: 17350154  
Conc: 109.08 ug/ml



#16 n-Octacosane (C28)

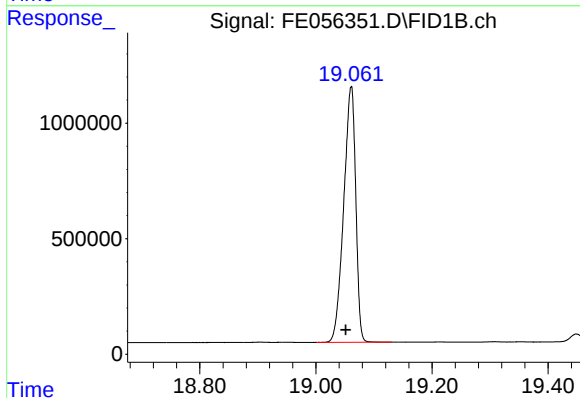
R.T.: 17.336 min  
Delta R.T.: 0.010 min  
Response: 16881871  
Conc: 109.09 ug/ml



#17 n-Tricontane (C30)

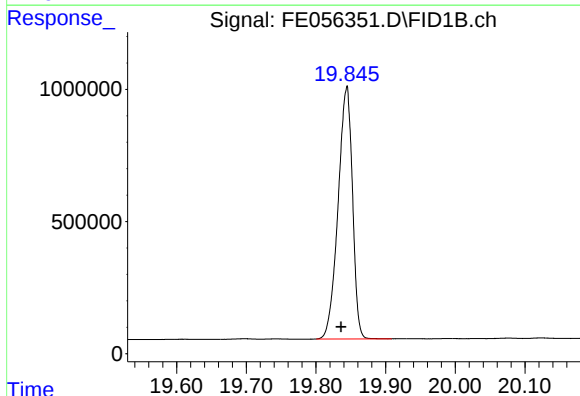
R.T.: 18.225 min  
Delta R.T.: 0.008 min  
Response: 16886172  
Conc: 107.82 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



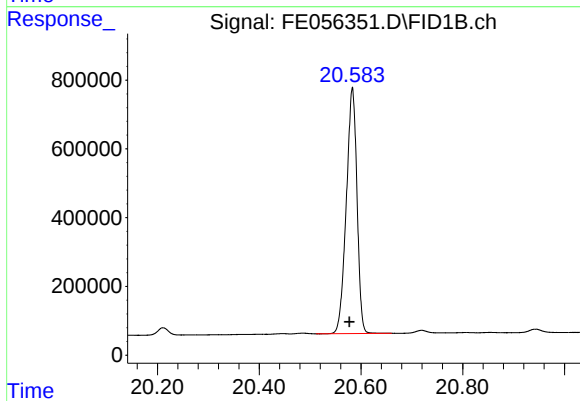
#18 n-Dotriacontane (C32)

R.T.: 19.060 min  
Delta R.T.: 0.009 min  
Response: 15916843  
Conc: 106.14 ug/ml



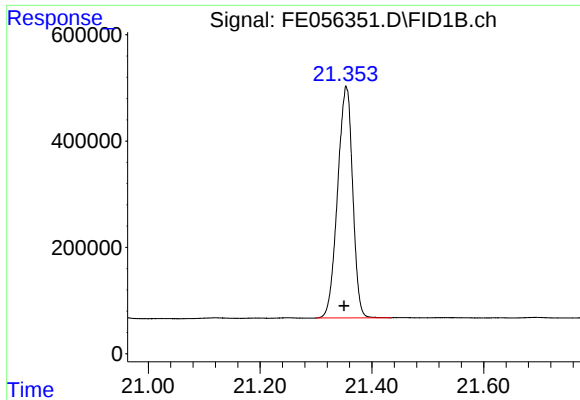
#19 n-Tetratriacontane (C34)

R.T.: 19.844 min  
Delta R.T.: 0.008 min  
Response: 13701503  
Conc: 101.36 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.583 min  
Delta R.T.: 0.005 min  
Response: 10404717  
Conc: 90.35 ug/ml



#21 n-Octatriacontane (C38)

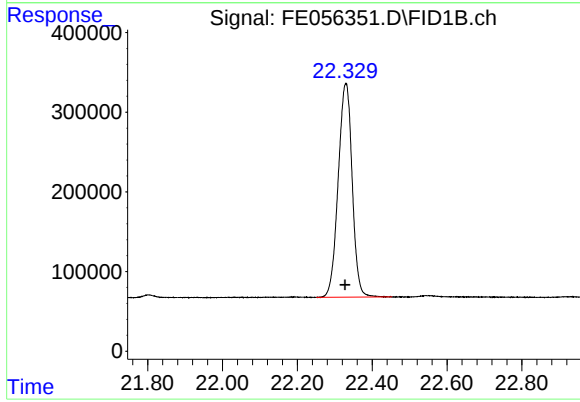
R.T.: 21.354 min  
Delta R.T.: 0.004 min  
Response: 8143025  
Conc: 82.50 ug/ml

Instrument :

FID\_E

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 22.329 min  
Delta R.T.: 0.002 min  
Response: 6961763  
Conc: 81.44 ug/ml

rteres

# Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
 Data File : FE056351.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Oct 2025 17:30  
 Sample : 100 PPM ALIPHATIC HC STD1  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Title : GC Extractables

Signal : FID1B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.403       | 3.357        | 3.495      | BB       | 1683786        | 16701525     | 80.09%         | 4.670%        |
| 2                       | 4.658       | 4.620        | 4.745      | BB       | 1714211        | 17110103     | 82.05%         | 4.785%        |
| 3                       | 6.375       | 6.309        | 6.517      | BB       | 1884447        | 18882703     | 90.55%         | 5.280%        |
| 4                       | 6.832       | 6.784        | 6.904      | BB       | 1725004        | 17550676     | 84.16%         | 4.908%        |
| 5                       | 7.477       | 7.429        | 7.597      | PV       | 1726114        | 18456816     | 88.51%         | 5.161%        |
| 6                       | 8.669       | 8.605        | 8.770      | BB       | 1605496        | 17622151     | 84.51%         | 4.928%        |
| 7                       | 10.285      | 10.234       | 10.414     | BB       | 1654045        | 18362411     | 88.06%         | 5.135%        |
| 8                       | 11.736      | 11.689       | 11.809     | BB       | 1552371        | 18690483     | 89.63%         | 5.227%        |
| 9                       | 12.064      | 11.989       | 12.144     | BB       | 1762902        | 20852864     | 100.00%        | 5.831%        |
| 10                      | 13.050      | 12.979       | 13.120     | BB       | 1453303        | 18055108     | 86.58%         | 5.049%        |
| 11                      | 13.498      | 13.429       | 13.584     | BB       | 1362035        | 15819424     | 75.86%         | 4.424%        |
| 12                      | 13.665      | 13.620       | 13.737     | BB       | 1451960        | 17812311     | 85.42%         | 4.981%        |
| 13                      | 14.253      | 14.152       | 14.344     | BB       | 1383139        | 17739457     | 85.07%         | 4.961%        |
| 14                      | 15.360      | 15.287       | 15.452     | BB       | 1349086        | 17696970     | 84.87%         | 4.949%        |
| 15                      | 16.384      | 16.307       | 16.464     | BB       | 1297583        | 17350154     | 83.20%         | 4.852%        |
| 16                      | 17.336      | 17.250       | 17.429     | BB       | 1261168        | 16881871     | 80.96%         | 4.721%        |
| 17                      | 18.225      | 18.154       | 18.310     | BB       | 1192334        | 16886172     | 80.98%         | 4.722%        |
| 18                      | 19.060      | 19.000       | 19.130     | BB       | 1107431        | 15916843     | 76.33%         | 4.451%        |
| 19                      | 19.844      | 19.800       | 19.909     | BB       | 948672         | 13701503     | 65.71%         | 3.832%        |
| 20                      | 20.583      | 20.512       | 20.660     | BB       | 716890         | 10404717     | 49.90%         | 2.910%        |
| 21                      | 21.354      | 21.300       | 21.435     | BB       | 436151         | 8143025      | 39.05%         | 2.277%        |
| 22                      | 22.329      | 22.250       | 22.452     | BB       | 268062         | 6961763      | 33.39%         | 1.947%        |
| Sum of corrected areas: |             |              |            |          |                | 357599050    |                |               |

Aliphatic EPH 101725.M Fri Oct 17 08:32:47 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
 Data File : FE056352.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Oct 2025 18:00  
 Operator : YP\AJ  
 Sample : 50 PPM ALIPHATIC HC STD2  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e  
 Quant Time: Oct 17 08:22:51 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 08:21:56 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)    | 12.057 | 9944859    | 51.975 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 103.95%      |
| 12) S 1-chlorooctadecane (S... | 13.493 | 7535401    | 52.561 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 105.12%      |
|                                |        |            |              |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.401  | 8027434    | 52.234 ug/ml |
| 2) T n-Decane (C10)            | 4.654  | 8151590    | 52.519 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.371  | 8930796    | 53.122 ug/ml |
| 4) T n-Dodecane (C12)          | 6.828  | 8305461    | 52.677 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.472  | 8709305    | 54.461 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.665  | 8312944    | 53.213 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.280 | 8711849    | 52.882 ug/ml |
| 8) T n-Octadecane (C18)        | 11.730 | 8942054    | 52.333 ug/ml |
| 10) T n-Eicosane (C20)         | 13.044 | 8645421    | 52.081 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.659 | 8523932    | 51.971 ug/ml |
| 13) T n-Docosane (C22)         | 14.247 | 8531126    | 52.483 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.353 | 8610842    | 53.108 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.378 | 8452135    | 53.136 ug/ml |
| 16) T n-Octacosane (C28)       | 17.330 | 8264741    | 53.406 ug/ml |
| 17) T n-Tricontane (C30)       | 18.220 | 8292000    | 52.946 ug/ml |
| 18) T n-Dotriacontane (C32)    | 19.054 | 7932430    | 52.895 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.840 | 7118725    | 52.663 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.580 | 6063460    | 52.655 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.350 | 5354430    | 54.251 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.327 | 4917436    | 57.525 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

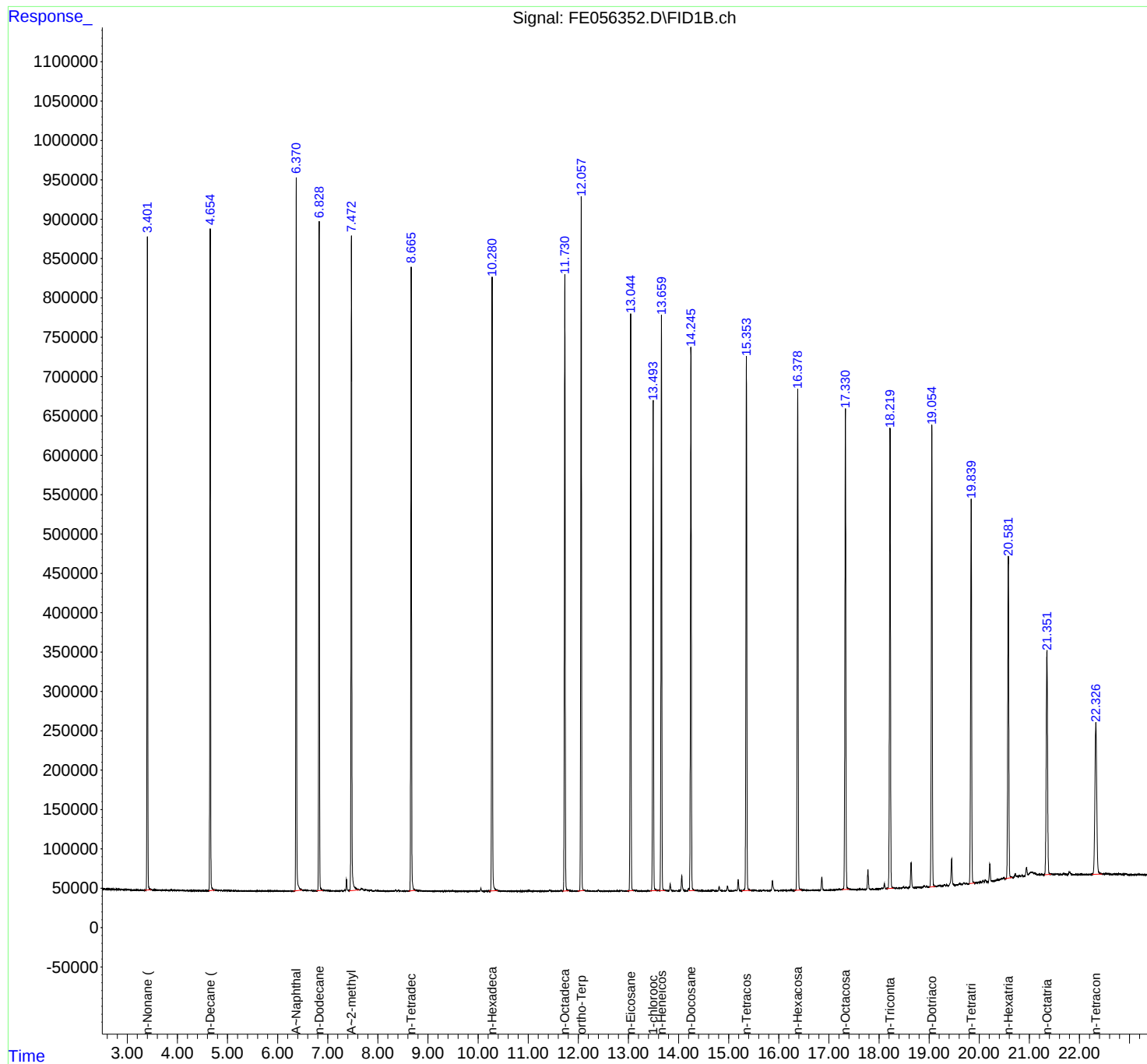
(m)=manual int.

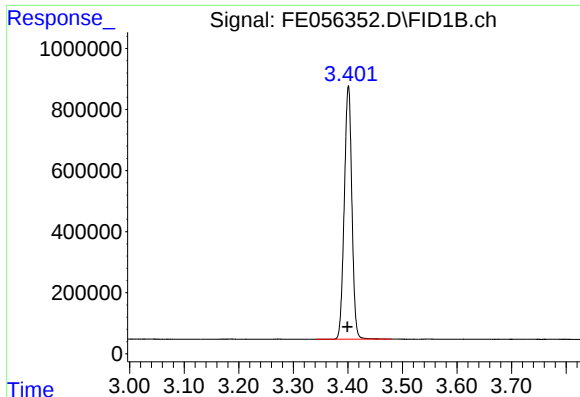
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056352.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 18:00  
Operator : YP\AJ  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e  
Quant Time: Oct 17 08:22:51 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 08:21:56 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

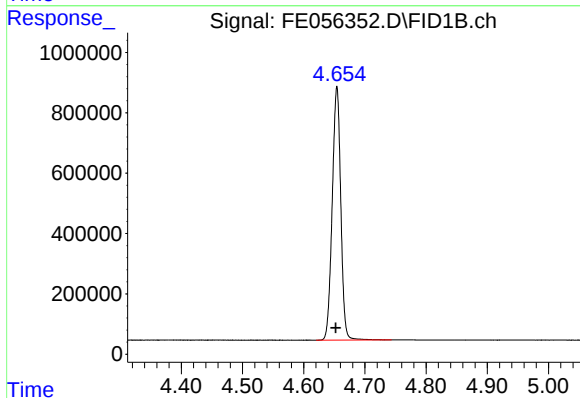




#1 n-Nonane (C9)

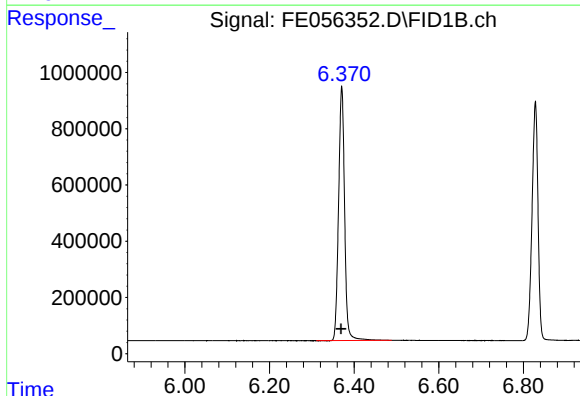
R.T.: 3.401 min  
Delta R.T.: 0.002 min  
Response: 8027434  
Conc: 52.23 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



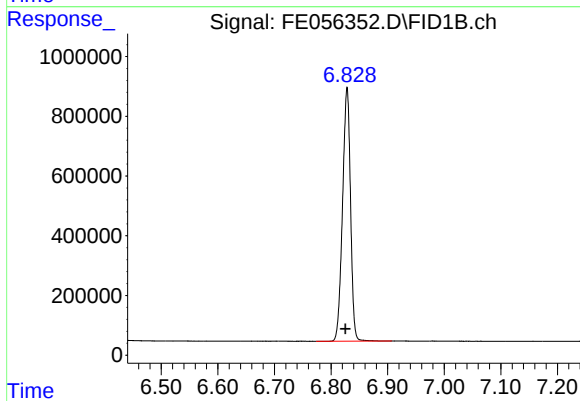
#2 n-Decane (C10)

R.T.: 4.654 min  
Delta R.T.: 0.002 min  
Response: 8151590  
Conc: 52.52 ug/ml



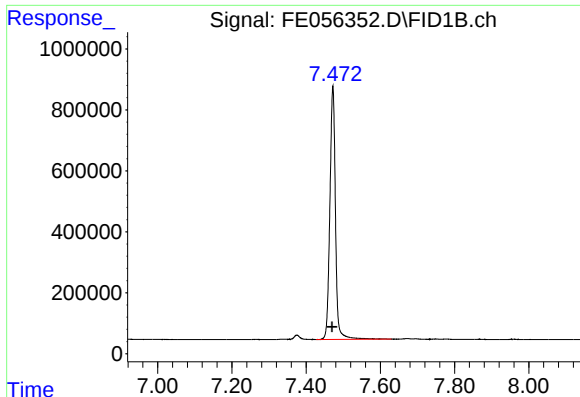
#3 A~Naphthalene (C11.7)

R.T.: 6.371 min  
Delta R.T.: 0.002 min  
Response: 8930796  
Conc: 53.12 ug/ml



#4 n-Dodecane (C12)

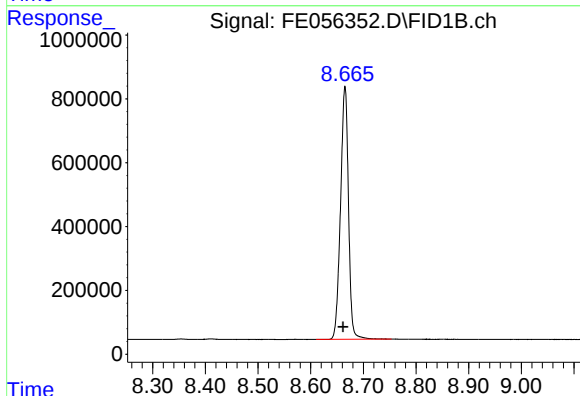
R.T.: 6.828 min  
Delta R.T.: 0.003 min  
Response: 8305461  
Conc: 52.68 ug/ml



#5 A~2-methylnaphthalene (C12.89)

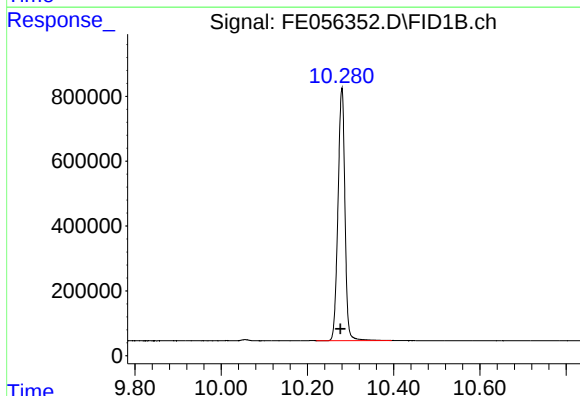
R.T.: 7.472 min  
Delta R.T.: 0.002 min  
Response: 8709305  
Conc: 54.46 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



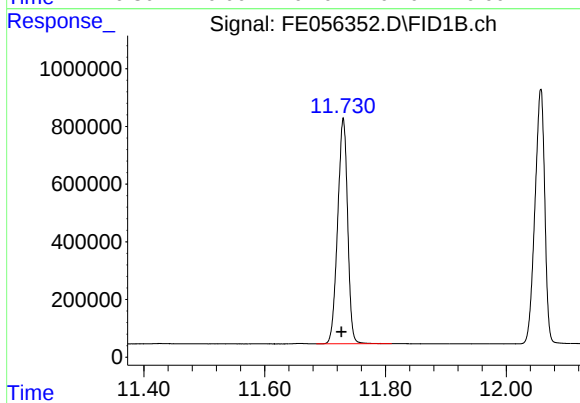
#6 n-Tetradecane (C14)

R.T.: 8.665 min  
Delta R.T.: 0.003 min  
Response: 8312944  
Conc: 53.21 ug/ml



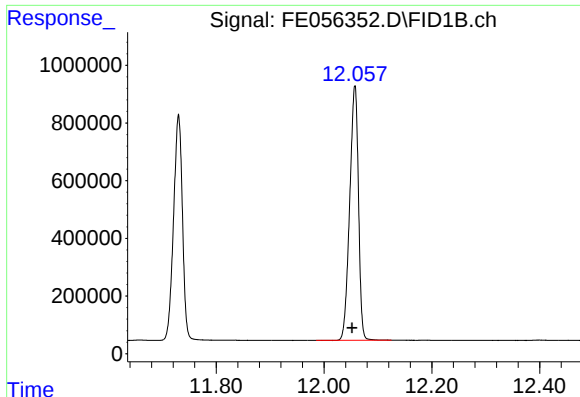
#7 n-Hexadecane (C16)

R.T.: 10.280 min  
Delta R.T.: 0.003 min  
Response: 8711849  
Conc: 52.88 ug/ml



#8 n-Octadecane (C18)

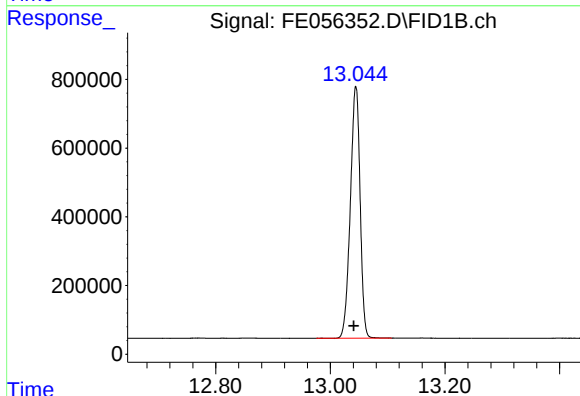
R.T.: 11.730 min  
Delta R.T.: 0.003 min  
Response: 8942054  
Conc: 52.33 ug/ml



#9 ortho-Terphenyl (SURR)

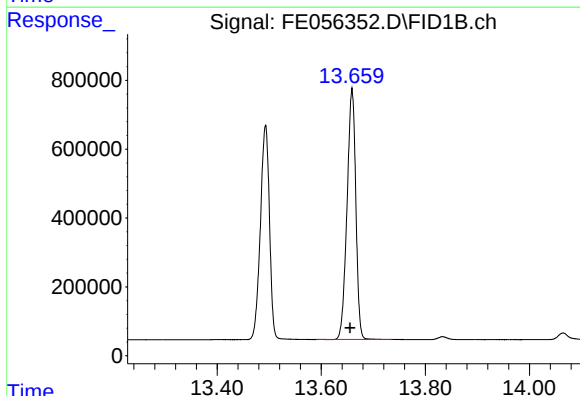
R.T.: 12.057 min  
Delta R.T.: 0.005 min  
Response: 9944859  
Conc: 51.98 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



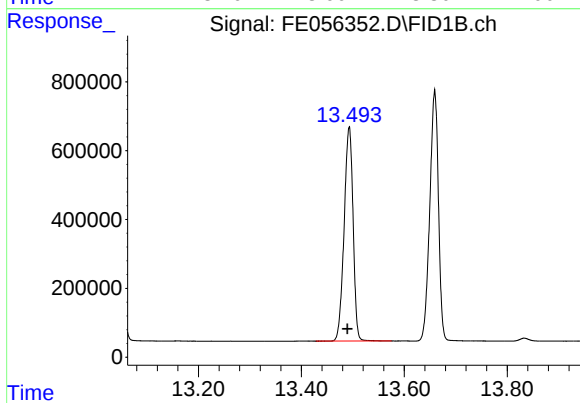
#10 n-Eicosane (C20)

R.T.: 13.044 min  
Delta R.T.: 0.003 min  
Response: 8645421  
Conc: 52.08 ug/ml



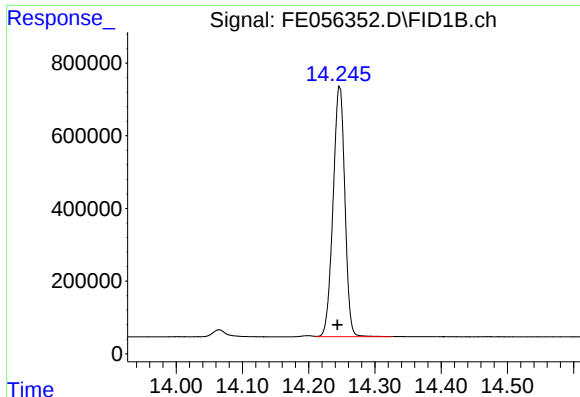
#11 n-Heneicosane (C21)

R.T.: 13.659 min  
Delta R.T.: 0.004 min  
Response: 8523932  
Conc: 51.97 ug/ml



#12 1-chlorooctadecane (SURR)

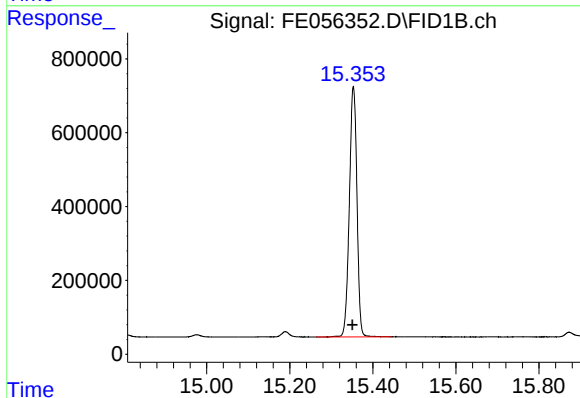
R.T.: 13.493 min  
Delta R.T.: 0.003 min  
Response: 7535401  
Conc: 52.56 ug/ml



#13 n-Docosane (C22)

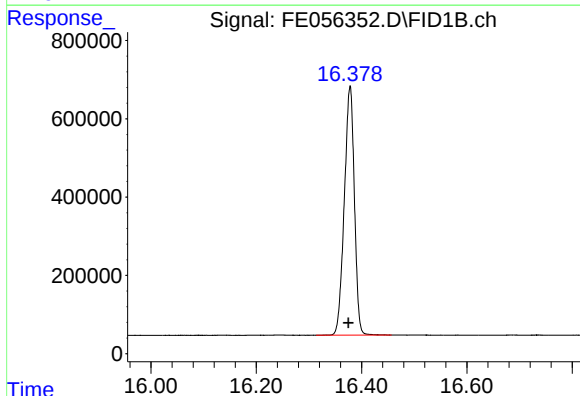
R.T.: 14.247 min  
Delta R.T.: 0.003 min  
Response: 8531126  
Conc: 52.48 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



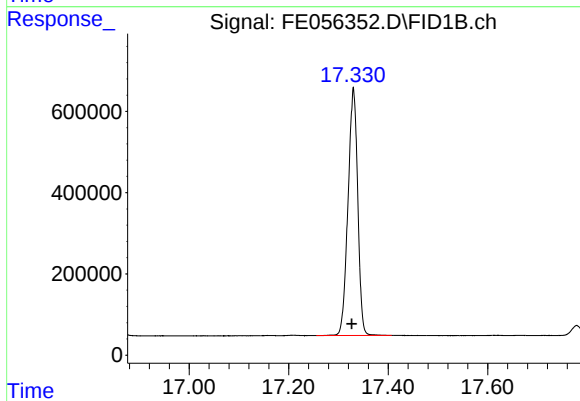
#14 n-Tetracosane (C24)

R.T.: 15.353 min  
Delta R.T.: 0.003 min  
Response: 8610842  
Conc: 53.11 ug/ml



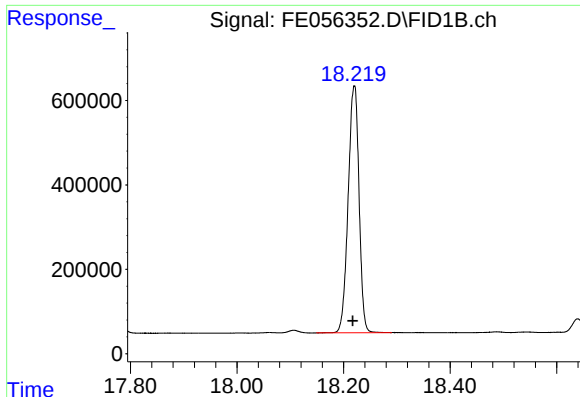
#15 n-Hexacosane (C26)

R.T.: 16.378 min  
Delta R.T.: 0.003 min  
Response: 8452135  
Conc: 53.14 ug/ml



#16 n-Octacosane (C28)

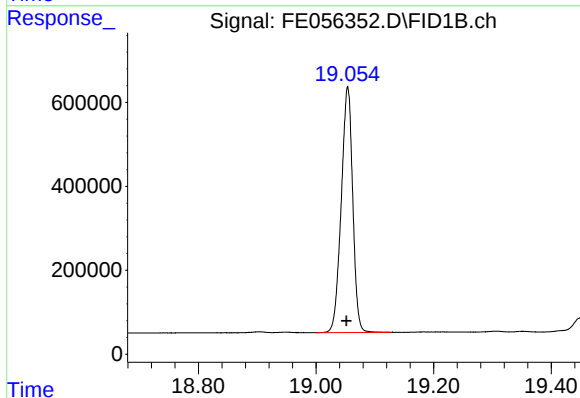
R.T.: 17.330 min  
Delta R.T.: 0.003 min  
Response: 8264741  
Conc: 53.41 ug/ml



#17 n-Tricontane (C30)

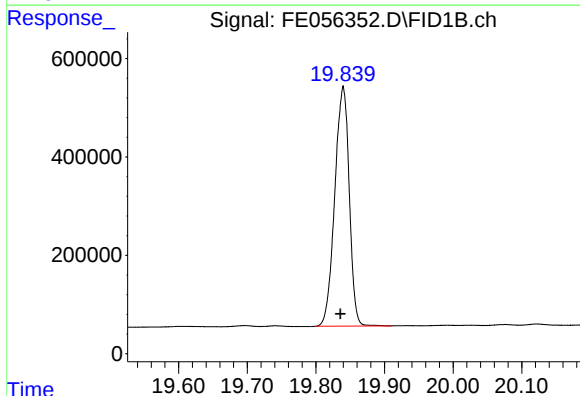
R.T.: 18.220 min  
Delta R.T.: 0.003 min  
Response: 8292000  
Conc: 52.95 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



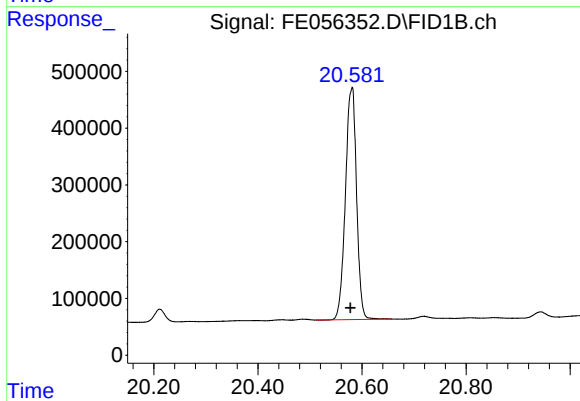
#18 n-Dotriacontane (C32)

R.T.: 19.054 min  
Delta R.T.: 0.002 min  
Response: 7932430  
Conc: 52.89 ug/ml



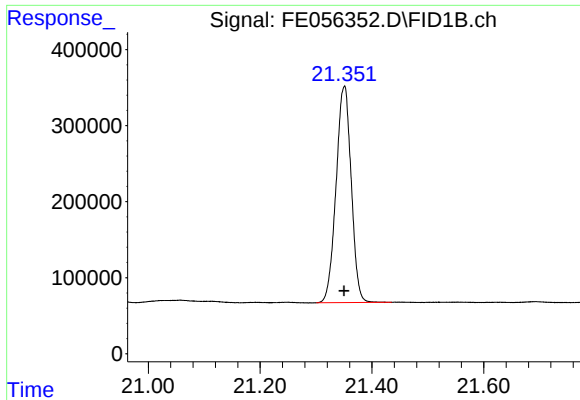
#19 n-Tetratriacontane (C34)

R.T.: 19.840 min  
Delta R.T.: 0.004 min  
Response: 7118725  
Conc: 52.66 ug/ml



#20 n-Hexatriacontane (C36)

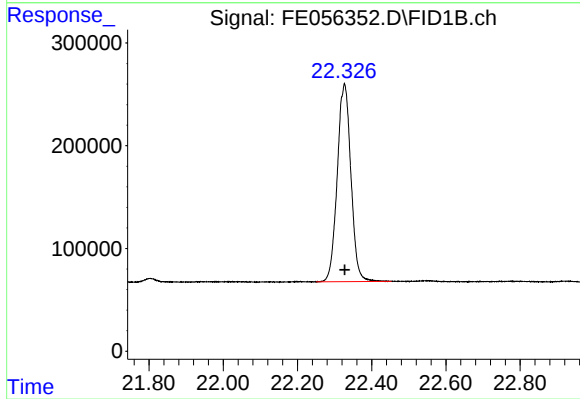
R.T.: 20.580 min  
Delta R.T.: 0.002 min  
Response: 6063460  
Conc: 52.66 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.350 min  
Delta R.T.: 0.000 min  
Response: 5354430  
Conc: 54.25 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 22.327 min  
Delta R.T.: 0.000 min  
Response: 4917436  
Conc: 57.53 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056352.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 18:00  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Title : GC Extractables

Signal : FID1B.ch

| peak<br># | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-----------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1         | 3.401       | 3.342        | 3.480      | BB       | 828928         | 8027434      | 80.72%         | 4.554%        |
| 2         | 4.654       | 4.620        | 4.744      | BB       | 838506         | 8151590      | 81.97%         | 4.624%        |
| 3         | 6.371       | 6.310        | 6.489      | BB       | 904873         | 8930796      | 89.80%         | 5.066%        |
| 4         | 6.828       | 6.774        | 6.907      | BB       | 852789         | 8305461      | 83.52%         | 4.712%        |
| 5         | 7.472       | 7.427        | 7.630      | BB       | 830812         | 8709305      | 87.58%         | 4.941%        |
| 6         | 8.665       | 8.610        | 8.754      | BB       | 794171         | 8312944      | 83.59%         | 4.716%        |
| 7         | 10.280      | 10.220       | 10.395     | BB       | 782719         | 8711849      | 87.60%         | 4.942%        |
| 8         | 11.730      | 11.685       | 11.810     | BB       | 783459         | 8942054      | 89.92%         | 5.073%        |
| 9         | 12.057      | 11.985       | 12.125     | BB       | 884029         | 9944859      | 100.00%        | 5.642%        |
| 10        | 13.044      | 12.975       | 13.107     | BB       | 733724         | 8645421      | 86.93%         | 4.904%        |
| 11        | 13.493      | 13.429       | 13.575     | BB       | 622761         | 7535401      | 75.77%         | 4.275%        |
| 12        | 13.659      | 13.590       | 13.735     | BB       | 726177         | 8523932      | 85.71%         | 4.835%        |
| 13        | 14.247      | 14.211       | 14.325     | VB       | 686649         | 8531126      | 85.78%         | 4.840%        |
| 14        | 15.353      | 15.264       | 15.445     | BB       | 677307         | 8610842      | 86.59%         | 4.885%        |
| 15        | 16.378      | 16.314       | 16.457     | BB       | 639959         | 8452135      | 84.99%         | 4.795%        |
| 16        | 17.330      | 17.255       | 17.407     | BB       | 609802         | 8264741      | 83.11%         | 4.688%        |
| 17        | 18.220      | 18.149       | 18.290     | BB       | 585126         | 8292000      | 83.38%         | 4.704%        |
| 18        | 19.054      | 19.000       | 19.129     | BB       | 586257         | 7932430      | 79.76%         | 4.500%        |
| 19        | 19.840      | 19.800       | 19.910     | BB       | 488157         | 7118725      | 71.58%         | 4.038%        |
| 20        | 20.580      | 20.512       | 20.657     | BB       | 407193         | 6063460      | 60.97%         | 3.440%        |
| 21        | 21.350      | 21.300       | 21.435     | BB       | 284486         | 5354430      | 53.84%         | 3.037%        |
| 22        | 22.327      | 22.250       | 22.454     | BB       | 192878         | 4917436      | 49.45%         | 2.790%        |

Sum of corrected areas: 176278372

Aliphatic EPH 101725.M Fri Oct 17 08:33:53 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
 Data File : FE056353.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Oct 2025 18:30  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD3  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e  
 Quant Time: Oct 17 08:23:19 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 08:21:56 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)    | 12.052 | 3826772    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| 12) S 1-chlorooctadecane (S... | 13.489 | 2867313    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.399  | 3073653    | 20.000 ug/ml |
| 2) T n-Decane (C10)            | 4.652  | 3104239    | 20.000 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.369  | 3362356    | 20.000 ug/ml |
| 4) T n-Dodecane (C12)          | 6.826  | 3153360    | 20.000 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.470  | 3198353    | 20.000 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.662  | 3124392    | 20.000 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.277 | 3294820    | 20.000 ug/ml |
| 8) T n-Octadecane (C18)        | 11.727 | 3417372    | 20.000 ug/ml |
| 10) T n-Eicosane (C20)         | 13.041 | 3319985    | 20.000 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.655 | 3280295    | 20.000 ug/ml |
| 13) T n-Docosane (C22)         | 14.244 | 3251010    | 20.000 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.351 | 3242751    | 20.000 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.375 | 3181322    | 20.000 ug/ml |
| 16) T n-Octacosane (C28)       | 17.327 | 3095047    | 20.000 ug/ml |
| 17) T n-Tricontane (C30)       | 18.217 | 3132258    | 20.000 ug/ml |
| 18) T n-Dotriacontane (C32)    | 19.052 | 2999317    | 20.000 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.836 | 2703510    | 20.000 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.578 | 2303077    | 20.000 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.350 | 1973965    | 20.000 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.327 | 1709655    | 20.000 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

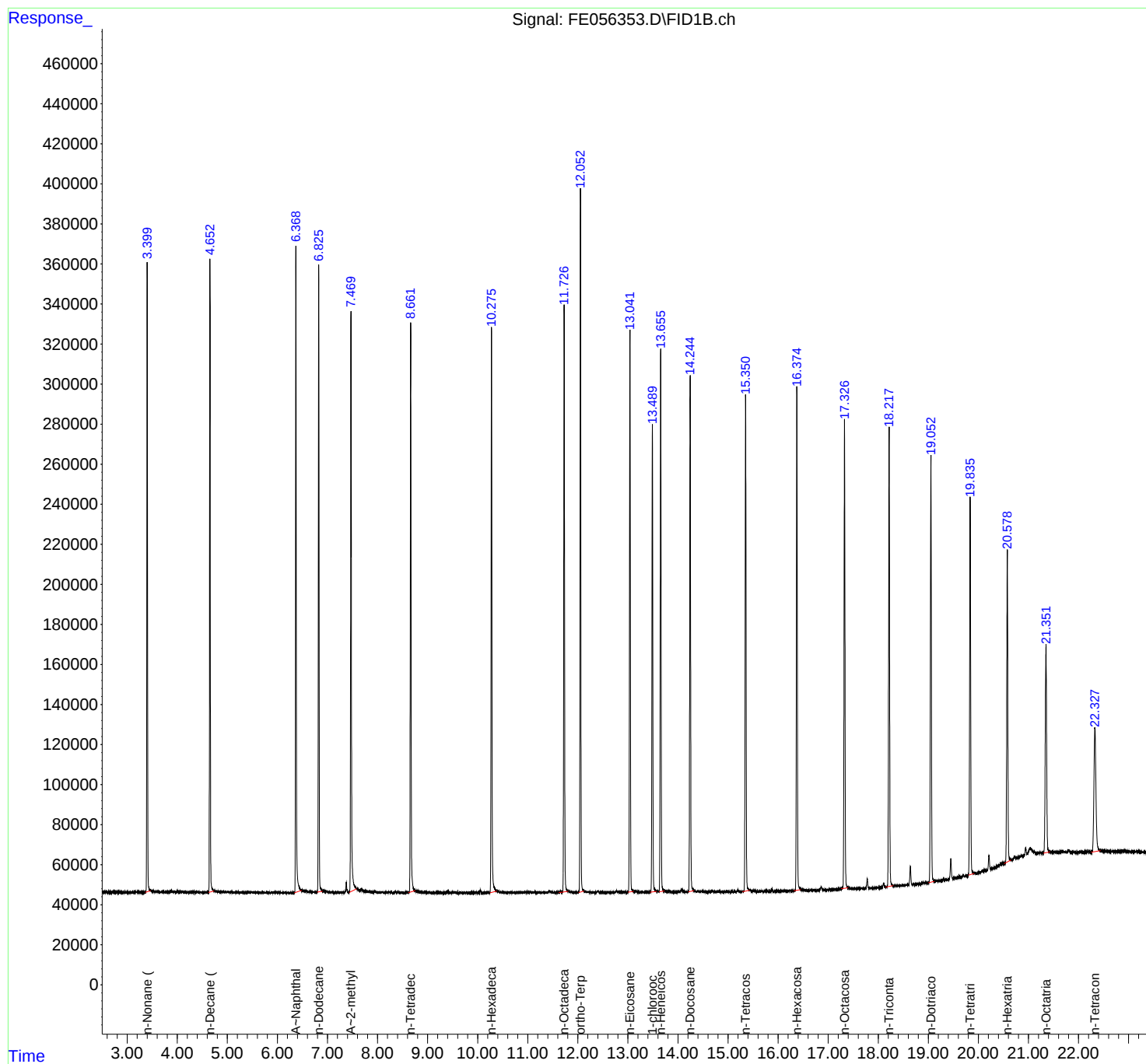
(m)=manual int.

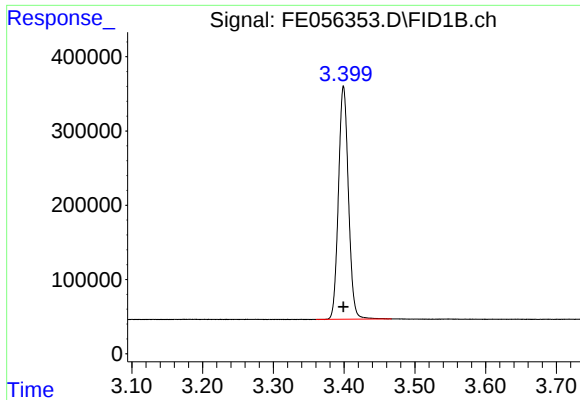
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056353.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 18:30  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD3  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e  
Quant Time: Oct 17 08:23:19 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 08:21:56 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

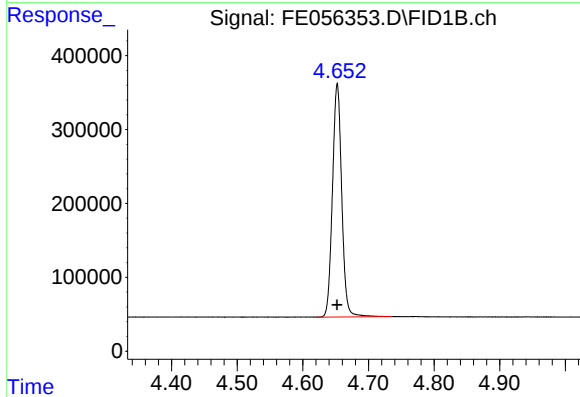




#1 n-Nonane (C9)

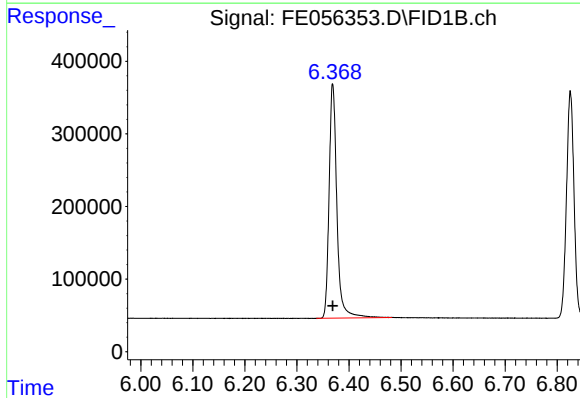
R.T.: 3.399 min  
Delta R.T.: 0.000 min  
Response: 3073653  
Conc: 20.00 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



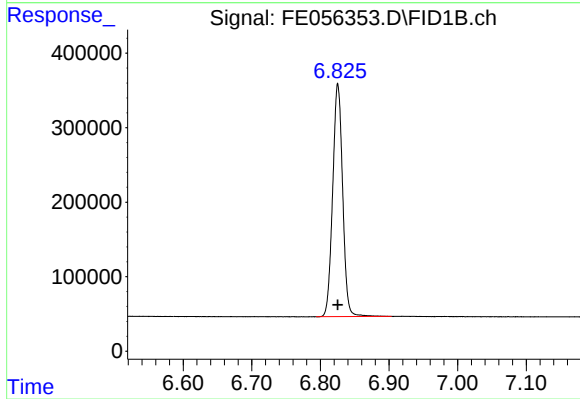
#2 n-Decane (C10)

R.T.: 4.652 min  
Delta R.T.: 0.000 min  
Response: 3104239  
Conc: 20.00 ug/ml



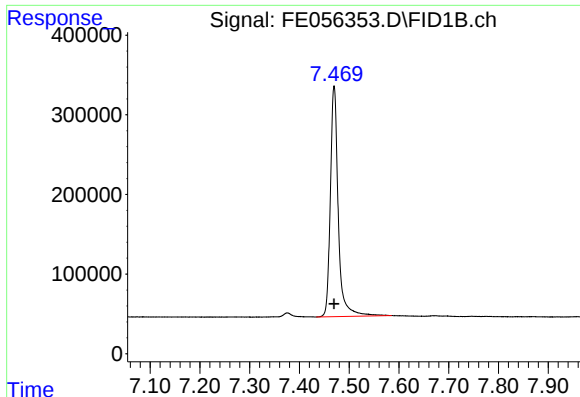
#3 A~Naphthalene (C11.7)

R.T.: 6.369 min  
Delta R.T.: 0.000 min  
Response: 3362356  
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

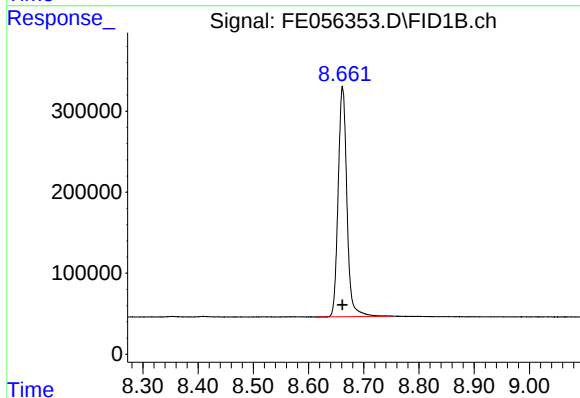
R.T.: 6.826 min  
Delta R.T.: 0.000 min  
Response: 3153360  
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

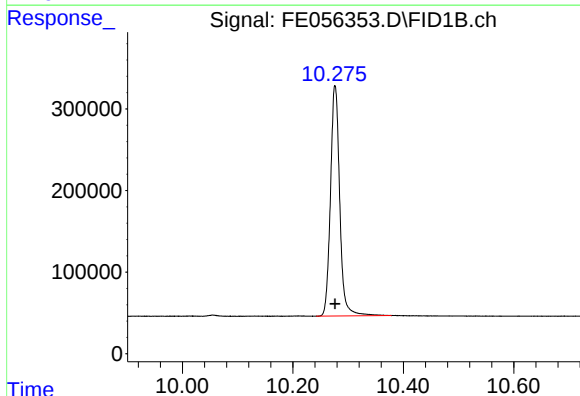
R.T.: 7.470 min  
Delta R.T.: 0.000 min  
Response: 3198353  
Conc: 20.00 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



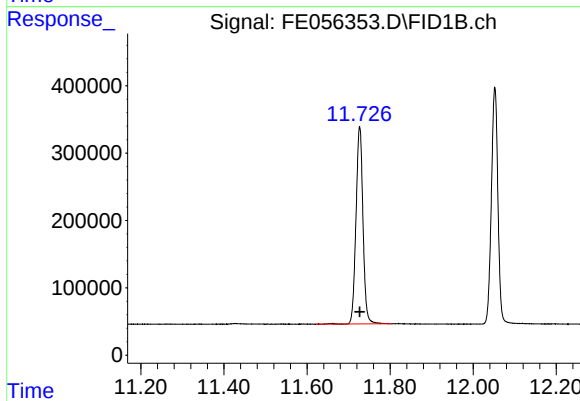
#6 n-Tetradecane (C14)

R.T.: 8.662 min  
Delta R.T.: 0.000 min  
Response: 3124392  
Conc: 20.00 ug/ml



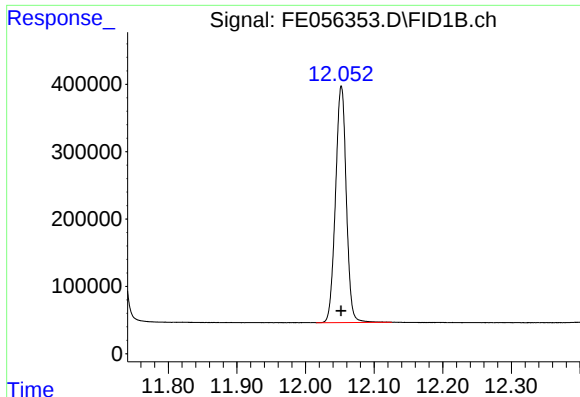
#7 n-Hexadecane (C16)

R.T.: 10.277 min  
Delta R.T.: 0.000 min  
Response: 3294820  
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

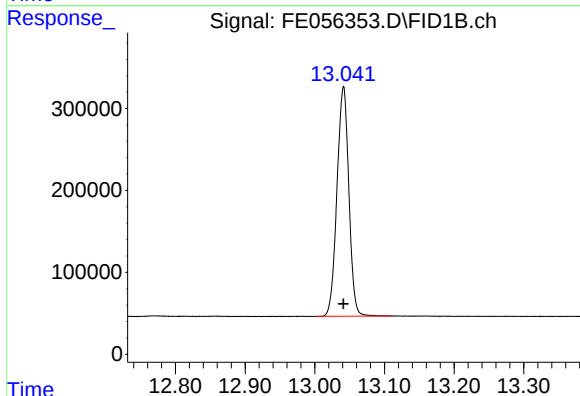
R.T.: 11.727 min  
Delta R.T.: 0.000 min  
Response: 3417372  
Conc: 20.00 ug/ml



#9 ortho-Terphenyl (SURR)

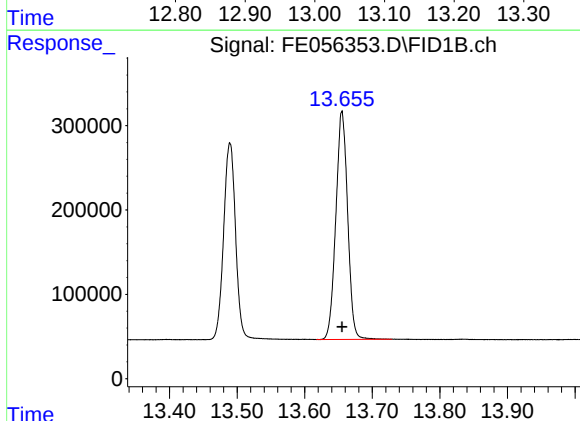
R.T.: 12.052 min  
Delta R.T.: 0.000 min  
Response: 3826772  
Conc: 20.00 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



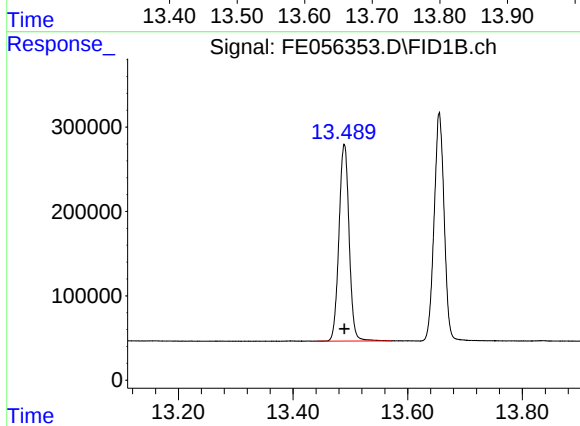
#10 n-Eicosane (C20)

R.T.: 13.041 min  
Delta R.T.: 0.000 min  
Response: 3319985  
Conc: 20.00 ug/ml



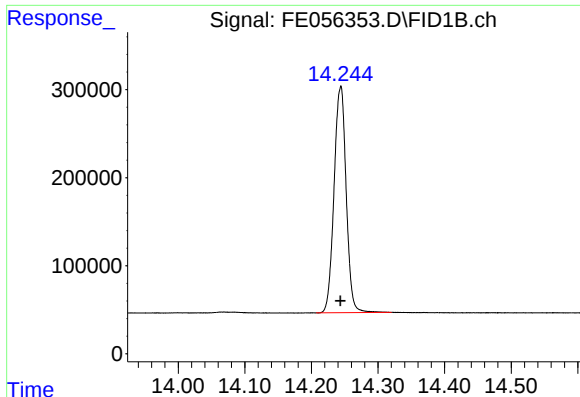
#11 n-Heneicosane (C21)

R.T.: 13.655 min  
Delta R.T.: 0.000 min  
Response: 3280295  
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

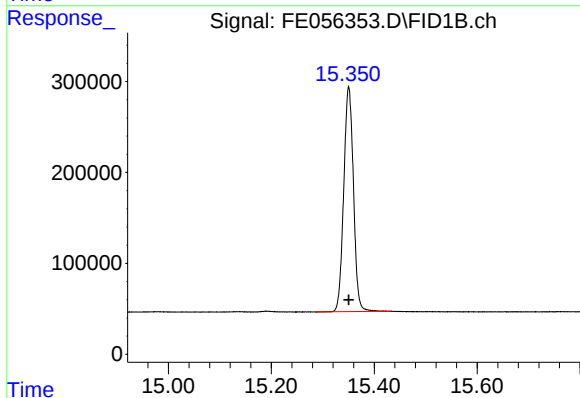
R.T.: 13.489 min  
Delta R.T.: 0.000 min  
Response: 2867313  
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

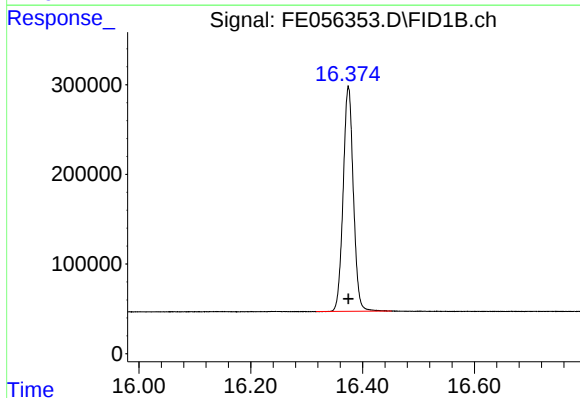
R.T.: 14.244 min  
Delta R.T.: 0.000 min  
Response: 3251010  
Conc: 20.00 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



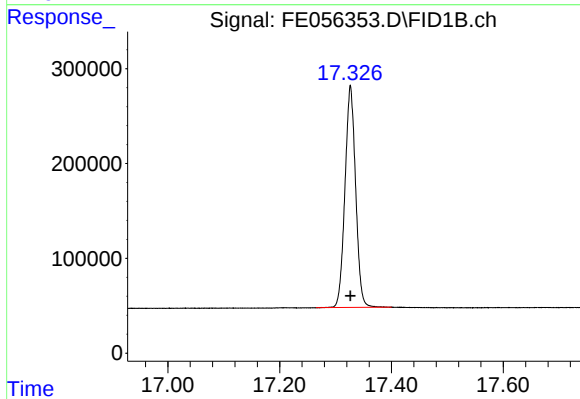
#14 n-Tetracosane (C24)

R.T.: 15.351 min  
Delta R.T.: 0.000 min  
Response: 3242751  
Conc: 20.00 ug/ml



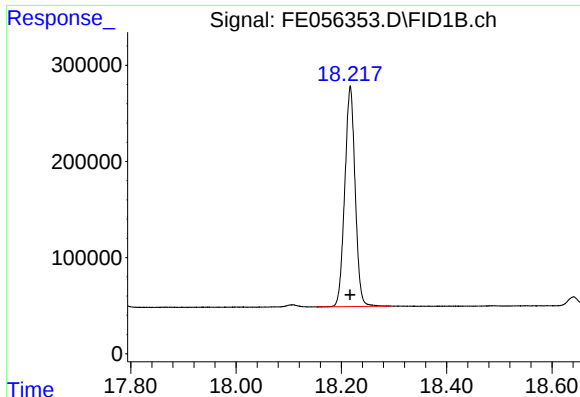
#15 n-Hexacosane (C26)

R.T.: 16.375 min  
Delta R.T.: 0.000 min  
Response: 3181322  
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

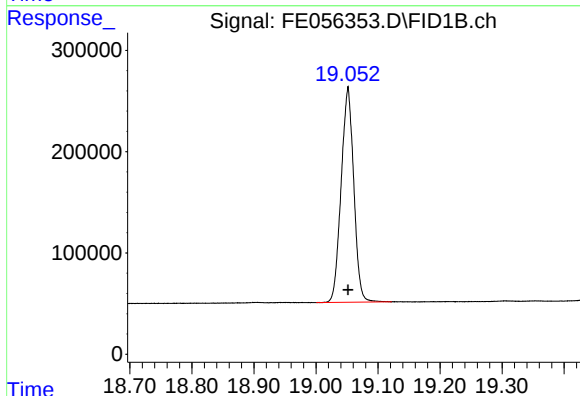
R.T.: 17.327 min  
Delta R.T.: 0.000 min  
Response: 3095047  
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

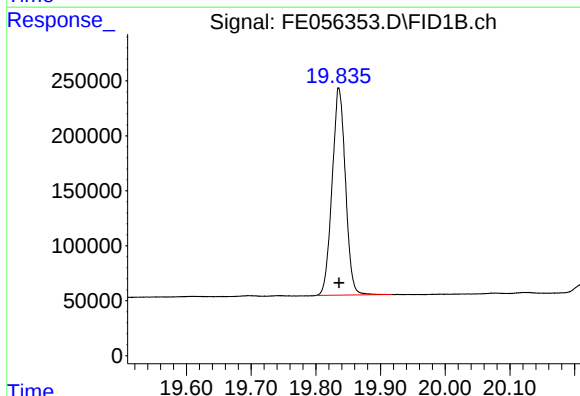
R.T.: 18.217 min  
Delta R.T.: 0.000 min  
Response: 3132258  
Conc: 20.00 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



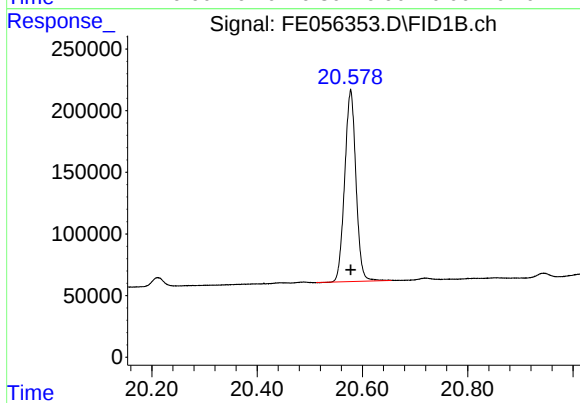
#18 n-Dotriacontane (C32)

R.T.: 19.052 min  
Delta R.T.: 0.000 min  
Response: 2999317  
Conc: 20.00 ug/ml



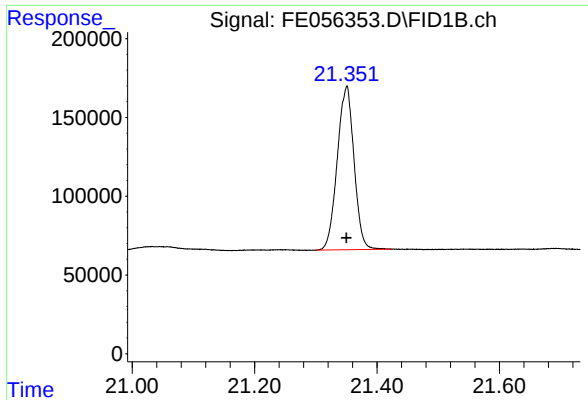
#19 n-Tetratriacontane (C34)

R.T.: 19.836 min  
Delta R.T.: 0.000 min  
Response: 2703510  
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

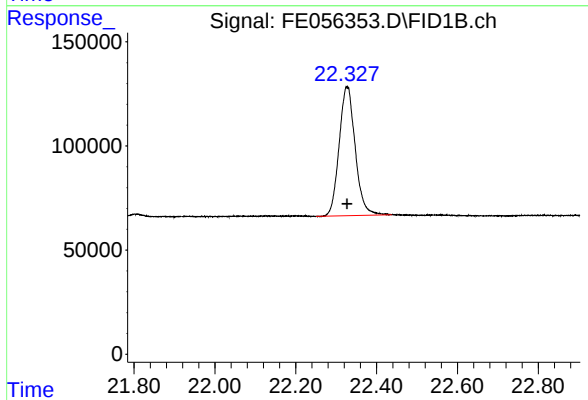
R.T.: 20.578 min  
Delta R.T.: 0.000 min  
Response: 2303077  
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.350 min  
Delta R.T.: 0.000 min  
Response: 1973965  
Conc: 20.00 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 22.327 min  
Delta R.T.: 0.000 min  
Response: 1709655  
Conc: 20.00 ug/ml

rteres

# Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
 Data File : FE056353.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Oct 2025 18:30  
 Sample : 20 PPM ALIPHATIC HC STD3  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Title : GC Extractables

Signal : FID1B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.399       | 3.360        | 3.467      | BB       | 314168         | 3073653      | 80.32%         | 4.614%        |
| 2                       | 4.652       | 4.620        | 4.735      | BB       | 315135         | 3104239      | 81.12%         | 4.660%        |
| 3                       | 6.369       | 6.337        | 6.482      | BB       | 322349         | 3362356      | 87.86%         | 5.047%        |
| 4                       | 6.826       | 6.794        | 6.904      | BB       | 312429         | 3153360      | 82.40%         | 4.734%        |
| 5                       | 7.470       | 7.434        | 7.585      | BB       | 289227         | 3198353      | 83.58%         | 4.801%        |
| 6                       | 8.662       | 8.614        | 8.750      | BB       | 282172         | 3124392      | 81.65%         | 4.690%        |
| 7                       | 10.277      | 10.242       | 10.379     | BB       | 282342         | 3294820      | 86.10%         | 4.946%        |
| 8                       | 11.727      | 11.622       | 11.804     | BB       | 292965         | 3417372      | 89.30%         | 5.130%        |
| 9                       | 12.052      | 12.015       | 12.125     | BB       | 351680         | 3826772      | 100.00%        | 5.745%        |
| 10                      | 13.041      | 13.002       | 13.110     | BB       | 279975         | 3319985      | 86.76%         | 4.984%        |
| 11                      | 13.489      | 13.440       | 13.572     | BB       | 233341         | 2867313      | 74.93%         | 4.304%        |
| 12                      | 13.655      | 13.617       | 13.729     | BB       | 269871         | 3280295      | 85.72%         | 4.924%        |
| 13                      | 14.244      | 14.207       | 14.320     | BB       | 256630         | 3251010      | 84.95%         | 4.880%        |
| 14                      | 15.351      | 15.287       | 15.434     | BB       | 247613         | 3242751      | 84.74%         | 4.868%        |
| 15                      | 16.375      | 16.317       | 16.452     | BB       | 250277         | 3181322      | 83.13%         | 4.776%        |
| 16                      | 17.327      | 17.265       | 17.400     | BB       | 233886         | 3095047      | 80.88%         | 4.646%        |
| 17                      | 18.217      | 18.152       | 18.295     | BB       | 229979         | 3132258      | 81.85%         | 4.702%        |
| 18                      | 19.052      | 19.000       | 19.122     | BB       | 213371         | 2999317      | 78.38%         | 4.502%        |
| 19                      | 19.836      | 19.800       | 19.917     | BB       | 188149         | 2703510      | 70.65%         | 4.058%        |
| 20                      | 20.578      | 20.512       | 20.655     | BB       | 155054         | 2303077      | 60.18%         | 3.457%        |
| 21                      | 21.350      | 21.300       | 21.424     | BB       | 103890         | 1973965      | 51.58%         | 2.963%        |
| 22                      | 22.327      | 22.250       | 22.437     | BB       | 61787          | 1709655      | 44.68%         | 2.566%        |
| Sum of corrected areas: |             |              |            |          |                | 66614822     |                |               |

Aliphatic EPH 101725.M Fri Oct 17 08:34:26 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
 Data File : FE056354.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Oct 2025 19:00  
 Operator : YP\AJ  
 Sample : 10 PPM ALIPHATIC HC STD4  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e  
 Quant Time: Oct 17 08:23:48 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 08:21:56 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)    | 12.051 | 2078091    | 10.861 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 21.72%       |
| 12) S 1-chlorooctadecane (S... | 13.488 | 1545743    | 10.782 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 21.56%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.399  | 1646705    | 10.715 ug/ml |
| 2) T n-Decane (C10)            | 4.652  | 1655109    | 10.664 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.370  | 1752100    | 10.422 ug/ml |
| 4) T n-Dodecane (C12)          | 6.825  | 1690409    | 10.721 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.470  | 1629274    | 10.188 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.661  | 1662323    | 10.641 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.276 | 1758484    | 10.674 ug/ml |
| 8) T n-Octadecane (C18)        | 11.725 | 1854119    | 10.851 ug/ml |
| 10) T n-Eicosane (C20)         | 13.040 | 1816244    | 10.941 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.654 | 1788939    | 10.907 ug/ml |
| 13) T n-Docosane (C22)         | 14.243 | 1812465    | 11.150 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.350 | 1832865    | 11.304 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.374 | 1812019    | 11.392 ug/ml |
| 16) T n-Octacosane (C28)       | 17.327 | 1800062    | 11.632 ug/ml |
| 17) T n-Tricontane (C30)       | 18.217 | 1850780    | 11.818 ug/ml |
| 18) T n-Dotriacontane (C32)    | 19.051 | 1808728    | 12.061 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.835 | 1598424    | 11.825 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.577 | 1302225    | 11.309 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.348 | 1117621    | 11.324 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.327 | 970320     | 11.351 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

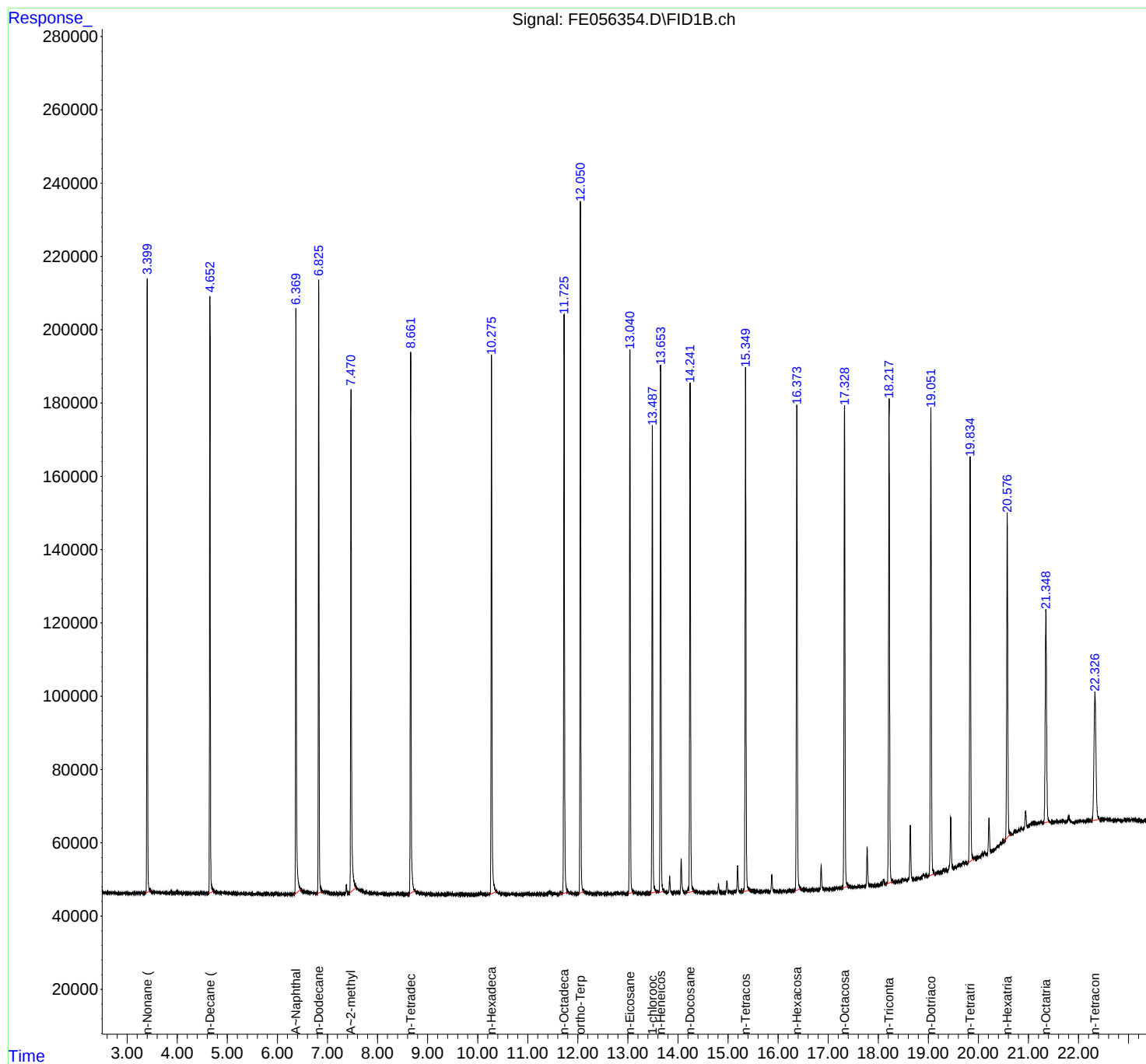
(m)=manual int.

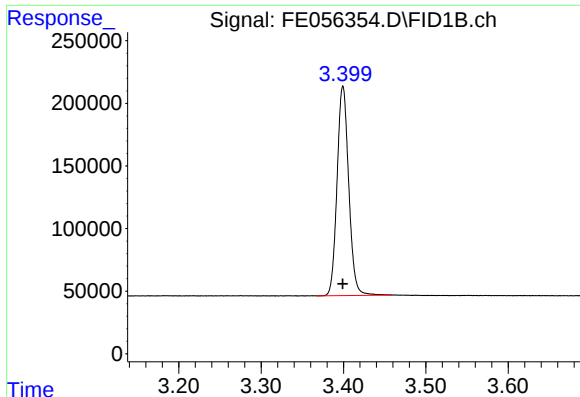
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056354.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 19:00  
Operator : YP\AJ  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

Integration File: autoint1.e  
Quant Time: Oct 17 08:23:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 08:21:56 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

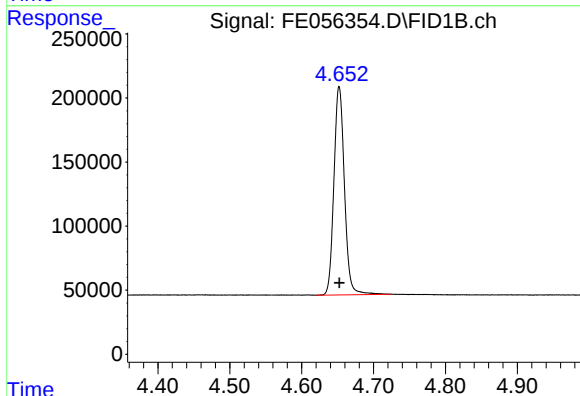




#1 n-Nonane (C9)

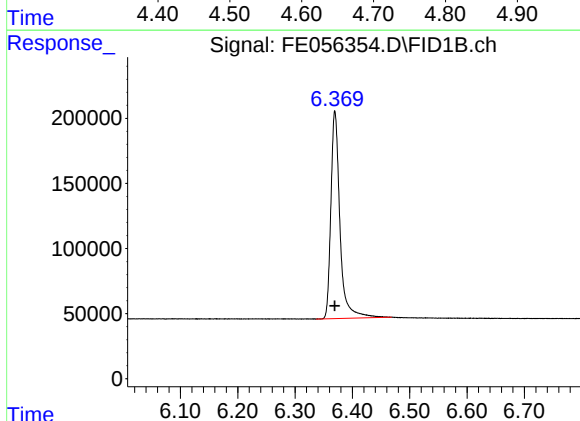
R.T.: 3.399 min  
Delta R.T.: 0.000 min  
Response: 1646705  
Conc: 10.71 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



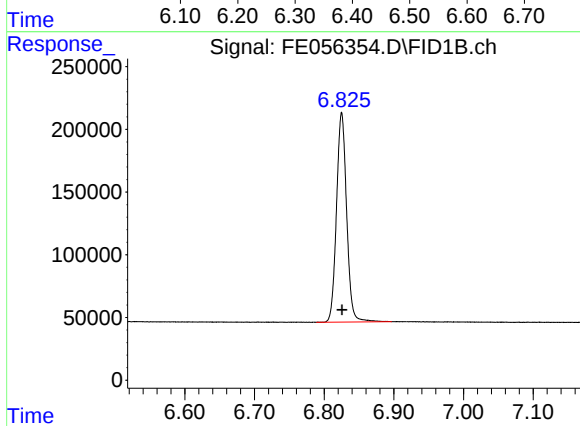
#2 n-Decane (C10)

R.T.: 4.652 min  
Delta R.T.: 0.000 min  
Response: 1655109  
Conc: 10.66 ug/ml



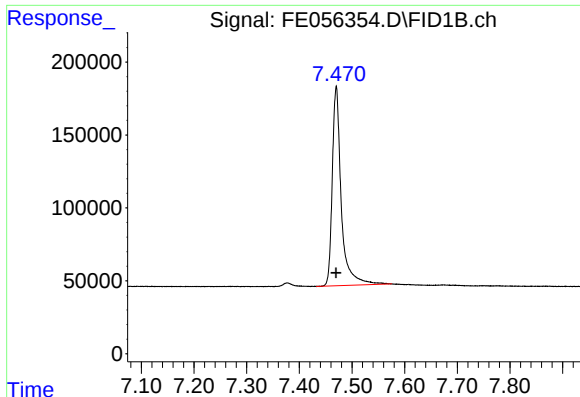
#3 A~Naphthalene (C11.7)

R.T.: 6.370 min  
Delta R.T.: 0.000 min  
Response: 1752100  
Conc: 10.42 ug/ml



#4 n-Dodecane (C12)

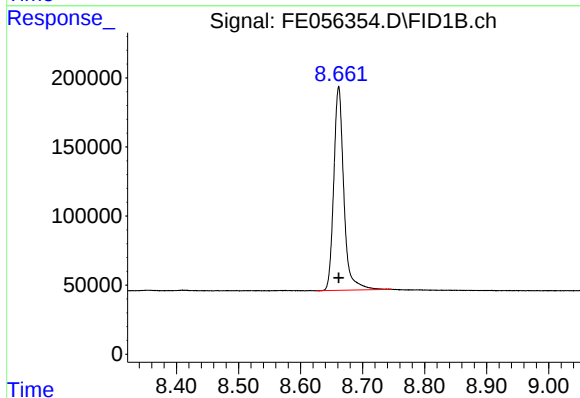
R.T.: 6.825 min  
Delta R.T.: 0.000 min  
Response: 1690409  
Conc: 10.72 ug/ml



#5 A~2-methylnaphthalene (C12.89)

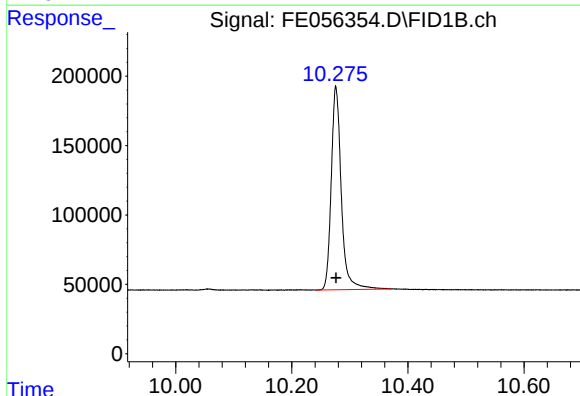
R.T.: 7.470 min  
Delta R.T.: 0.000 min  
Response: 1629274  
Conc: 10.19 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



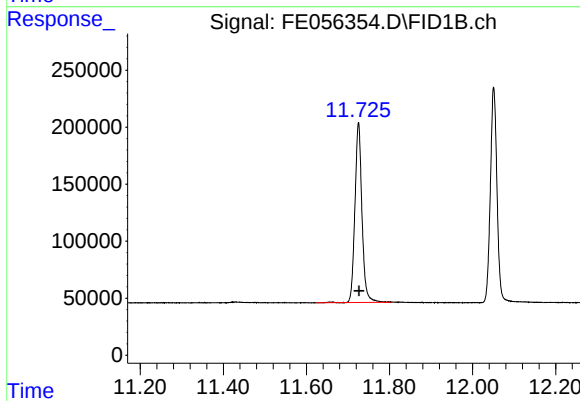
#6 n-Tetradecane (C14)

R.T.: 8.661 min  
Delta R.T.: 0.000 min  
Response: 1662323  
Conc: 10.64 ug/ml



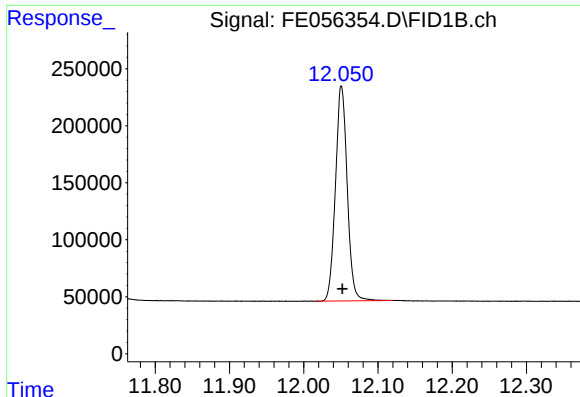
#7 n-Hexadecane (C16)

R.T.: 10.276 min  
Delta R.T.: 0.000 min  
Response: 1758484  
Conc: 10.67 ug/ml



#8 n-Octadecane (C18)

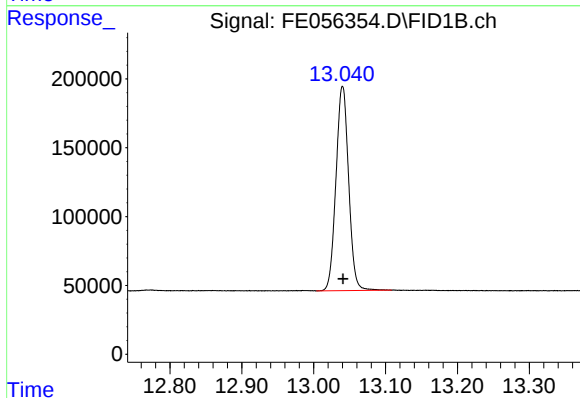
R.T.: 11.725 min  
Delta R.T.: -0.001 min  
Response: 1854119  
Conc: 10.85 ug/ml



#9 ortho-Terphenyl (SURR)

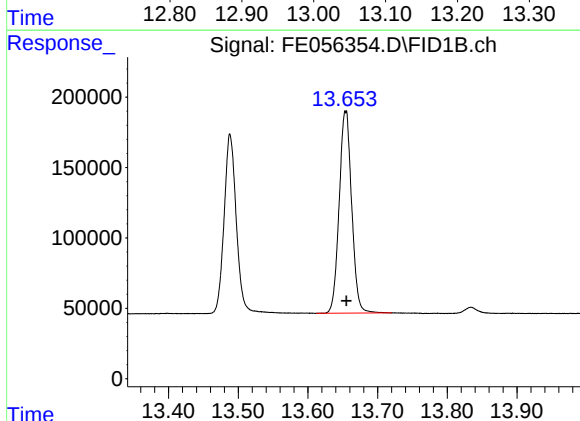
R.T.: 12.051 min  
Delta R.T.: -0.001 min  
Response: 2078091  
Conc: 10.86 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



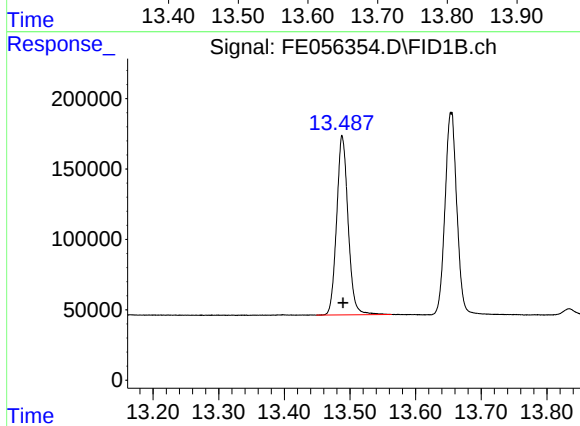
#10 n-Eicosane (C20)

R.T.: 13.040 min  
Delta R.T.: 0.000 min  
Response: 1816244  
Conc: 10.94 ug/ml



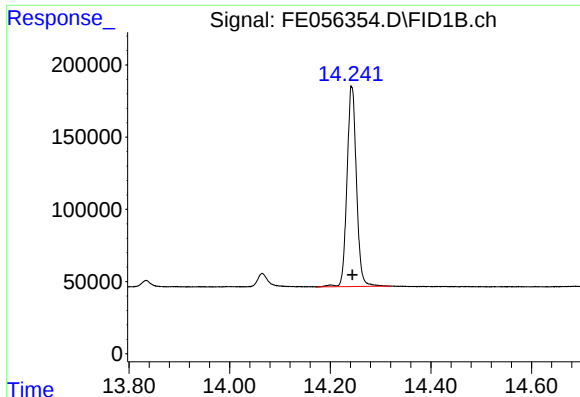
#11 n-Heneicosane (C21)

R.T.: 13.654 min  
Delta R.T.: -0.001 min  
Response: 1788939  
Conc: 10.91 ug/ml



#12 1-chlorooctadecane (SURR)

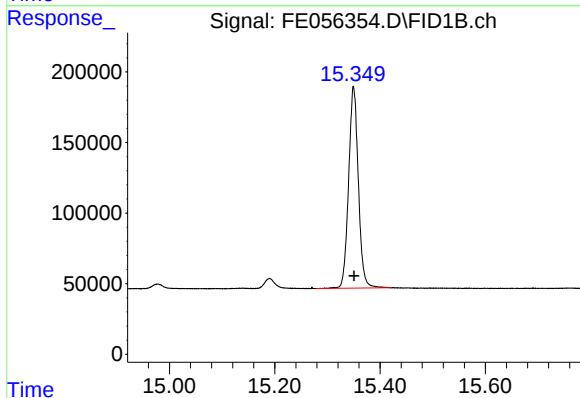
R.T.: 13.488 min  
Delta R.T.: 0.000 min  
Response: 1545743  
Conc: 10.78 ug/ml



#13 n-Docosane (C22)

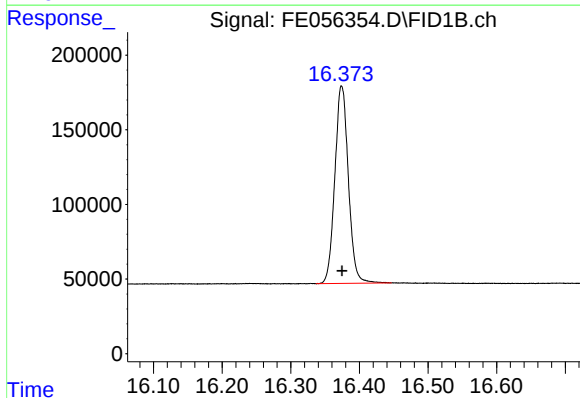
R.T.: 14.243 min  
Delta R.T.: 0.000 min  
Response: 1812465  
Conc: 11.15 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



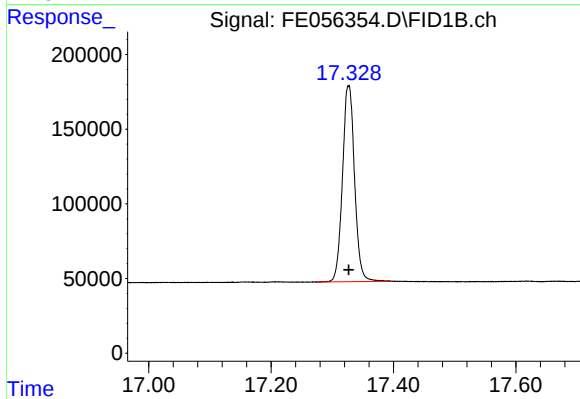
#14 n-Tetracosane (C24)

R.T.: 15.350 min  
Delta R.T.: 0.000 min  
Response: 1832865  
Conc: 11.30 ug/ml



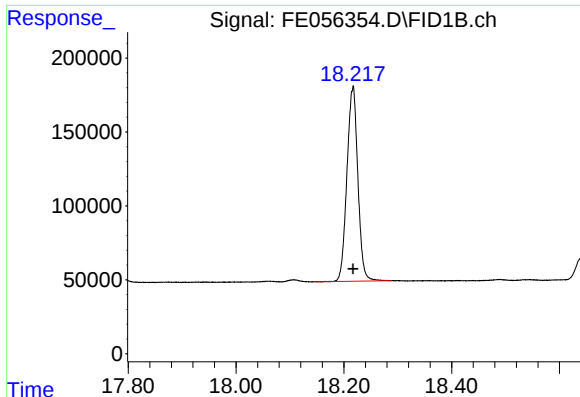
#15 n-Hexacosane (C26)

R.T.: 16.374 min  
Delta R.T.: 0.000 min  
Response: 1812019  
Conc: 11.39 ug/ml



#16 n-Octacosane (C28)

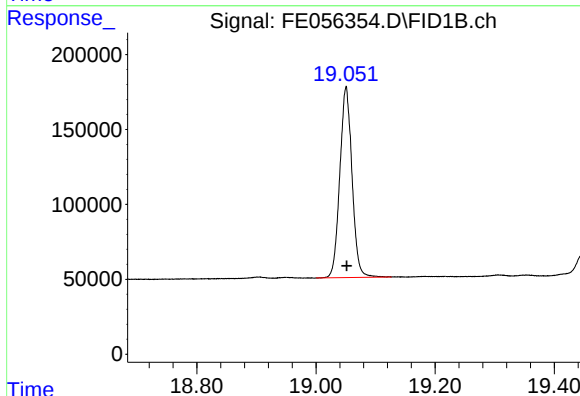
R.T.: 17.327 min  
Delta R.T.: 0.000 min  
Response: 1800062  
Conc: 11.63 ug/ml



#17 n-Tricontane (C30)

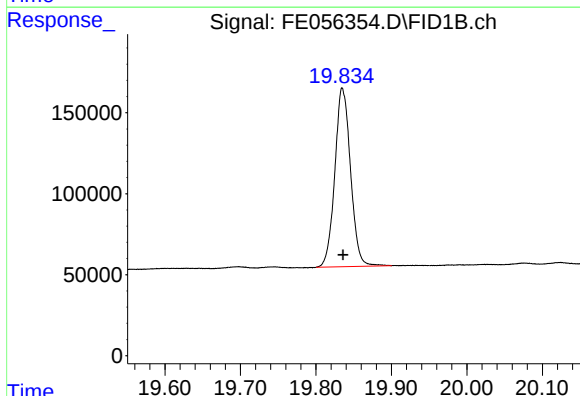
R.T.: 18.217 min  
Delta R.T.: 0.000 min  
Response: 1850780  
Conc: 11.82 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



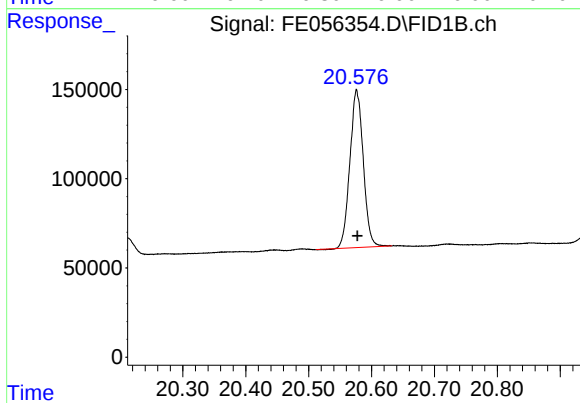
#18 n-Dotriacontane (C32)

R.T.: 19.051 min  
Delta R.T.: -0.001 min  
Response: 1808728  
Conc: 12.06 ug/ml



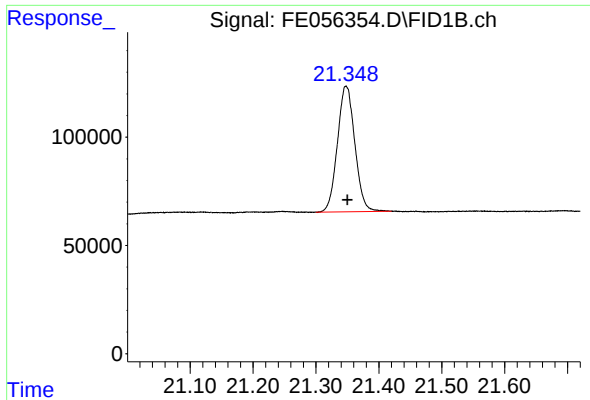
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min  
Delta R.T.: 0.000 min  
Response: 1598424  
Conc: 11.82 ug/ml



#20 n-Hexatriacontane (C36)

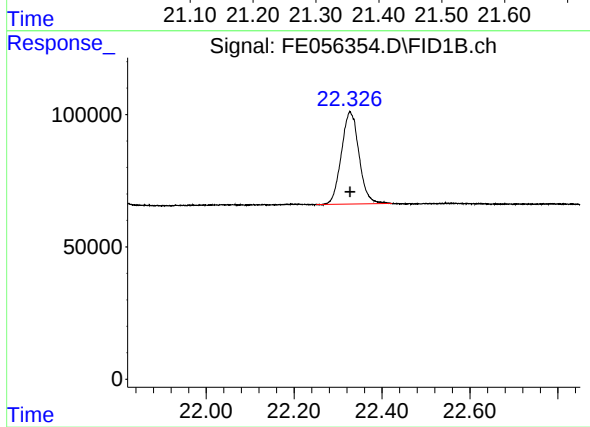
R.T.: 20.577 min  
Delta R.T.: -0.001 min  
Response: 1302225  
Conc: 11.31 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.348 min  
Delta R.T.: -0.002 min  
Response: 1117621  
Conc: 11.32 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4



#22 n-Tetracontane (C40)

R.T.: 22.327 min  
Delta R.T.: 0.000 min  
Response: 970320  
Conc: 11.35 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056354.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 19:00  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Title : GC Extractables

Signal : FID1B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.399       | 3.367        | 3.459      | BB       | 167629         | 1646705      | 79.24%         | 4.477%        |
| 2                       | 4.652       | 4.620        | 4.725      | BB       | 162847         | 1655109      | 79.65%         | 4.500%        |
| 3                       | 6.370       | 6.337        | 6.469      | BB       | 158505         | 1752100      | 84.31%         | 4.763%        |
| 4                       | 6.825       | 6.789        | 6.897      | BB       | 167223         | 1690409      | 81.34%         | 4.596%        |
| 5                       | 7.470       | 7.432        | 7.575      | BB       | 136944         | 1629274      | 78.40%         | 4.429%        |
| 6                       | 8.661       | 8.625        | 8.747      | BB       | 147886         | 1662323      | 79.99%         | 4.519%        |
| 7                       | 10.276      | 10.242       | 10.372     | BB       | 144929         | 1758484      | 84.62%         | 4.781%        |
| 8                       | 11.725      | 11.624       | 11.805     | BB       | 157967         | 1854119      | 89.22%         | 5.041%        |
| 9                       | 12.051      | 12.017       | 12.119     | BB       | 188969         | 2078091      | 100.00%        | 5.650%        |
| 10                      | 13.040      | 13.004       | 13.109     | BB       | 148520         | 1816244      | 87.40%         | 4.938%        |
| 11                      | 13.488      | 13.449       | 13.564     | BB       | 126739         | 1545743      | 74.38%         | 4.202%        |
| 12                      | 13.654      | 13.612       | 13.720     | BB       | 143859         | 1788939      | 86.09%         | 4.863%        |
| 13                      | 14.243      | 14.172       | 14.322     | BB       | 137935         | 1812465      | 87.22%         | 4.927%        |
| 14                      | 15.350      | 15.279       | 15.422     | BB       | 141816         | 1832865      | 88.20%         | 4.983%        |
| 15                      | 16.374      | 16.337       | 16.447     | BB       | 132410         | 1812019      | 87.20%         | 4.926%        |
| 16                      | 17.327      | 17.274       | 17.397     | BB       | 130903         | 1800062      | 86.62%         | 4.894%        |
| 17                      | 18.217      | 18.149       | 18.289     | BB       | 131211         | 1850780      | 89.06%         | 5.032%        |
| 18                      | 19.051      | 19.000       | 19.127     | BB       | 127187         | 1808728      | 87.04%         | 4.917%        |
| 19                      | 19.835      | 19.800       | 19.900     | BB       | 109970         | 1598424      | 76.92%         | 4.346%        |
| 20                      | 20.577      | 20.512       | 20.632     | BB       | 88050          | 1302225      | 62.66%         | 3.540%        |
| 21                      | 21.348      | 21.300       | 21.420     | BB       | 58045          | 1117621      | 53.78%         | 3.038%        |
| 22                      | 22.327      | 22.250       | 22.422     | BB       | 34978          | 970320       | 46.69%         | 2.638%        |
| Sum of corrected areas: |             |              |            |          |                | 36783049     |                |               |

Aliphatic EPH 101725.M Fri Oct 17 08:35:02 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
 Data File : FE056355.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Oct 2025 19:31  
 Operator : YP\AJ  
 Sample : 5 PPM ALIPHATIC HC STD5  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e  
 Quant Time: Oct 17 08:24:14 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 08:21:56 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)    | 12.050 | 1074413    | 5.615 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 11.23%      |
| 12) S 1-chlorooctadecane (S... | 13.489 | 780302     | 5.443 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 10.89%      |
| Target Compounds               |        |            |             |
| 1) T n-Nonane (C9)             | 3.400  | 845403     | 5.501 ug/ml |
| 2) T n-Decane (C10)            | 4.652  | 837010     | 5.393 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.371  | 865601     | 5.149 ug/ml |
| 4) T n-Dodecane (C12)          | 6.825  | 852915     | 5.410 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.471  | 757610     | 4.737 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.662  | 828658     | 5.304 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.277 | 881705     | 5.352 ug/ml |
| 8) T n-Octadecane (C18)        | 11.725 | 950205     | 5.561 ug/ml |
| 10) T n-Eicosane (C20)         | 13.040 | 945832     | 5.698 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.654 | 928712     | 5.662 ug/ml |
| 13) T n-Docosane (C22)         | 14.243 | 966258     | 5.944 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.349 | 1075389    | 6.633 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.373 | 1073648    | 6.750 ug/ml |
| 16) T n-Octacosane (C28)       | 17.325 | 1103081    | 7.128 ug/ml |
| 17) T n-Tricontane (C30)       | 18.215 | 1157061    | 7.388 ug/ml |
| 18) T n-Dotriacontane (C32)    | 19.049 | 1164202    | 7.763 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.835 | 997955     | 7.383 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.576 | 769876     | 6.686 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.348 | 617112     | 6.253 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.326 | 516170     | 6.038 ug/ml |
| -----                          |        |            |             |

(f)=RT Delta > 1/2 Window

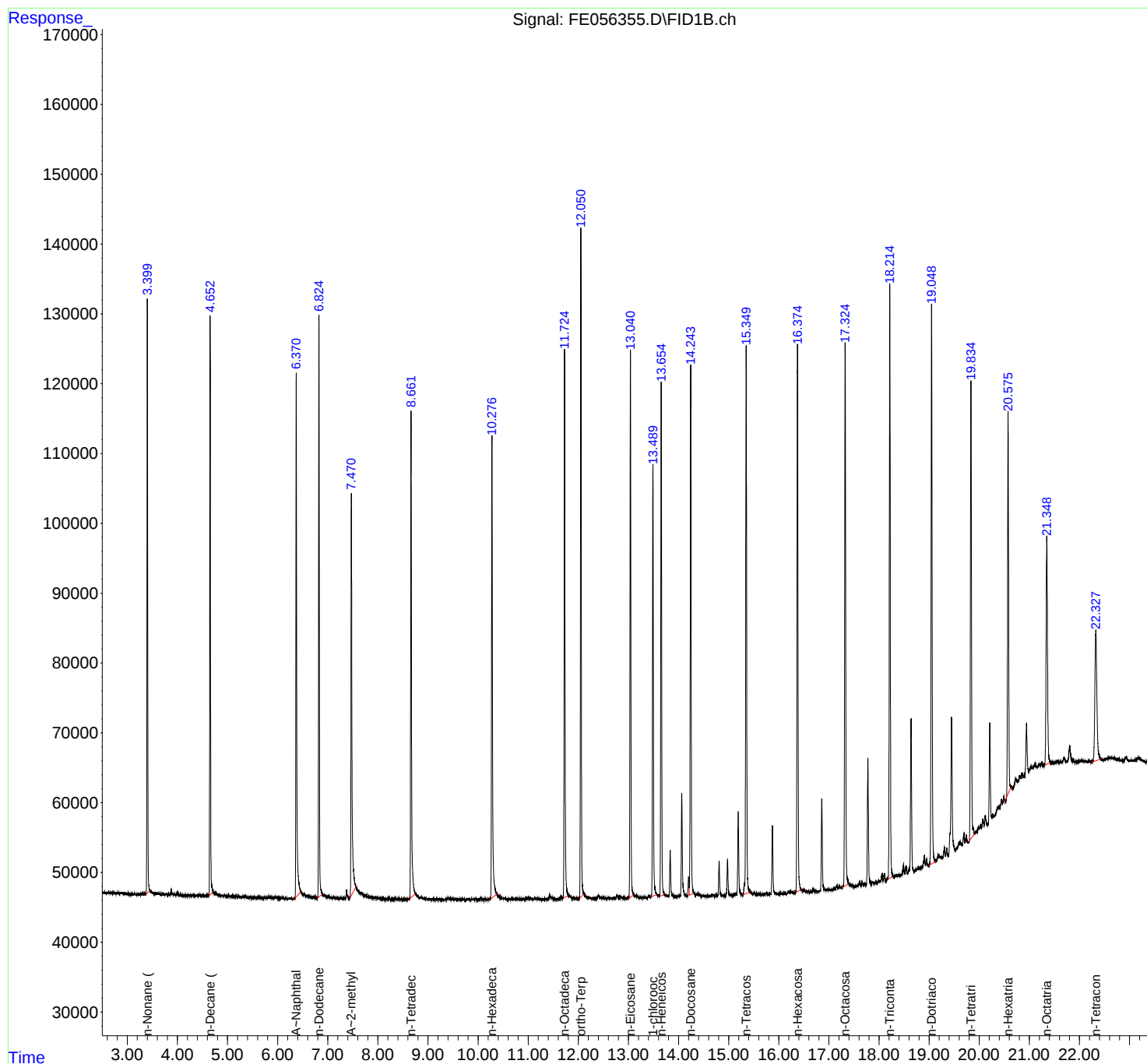
(m)=manual int.

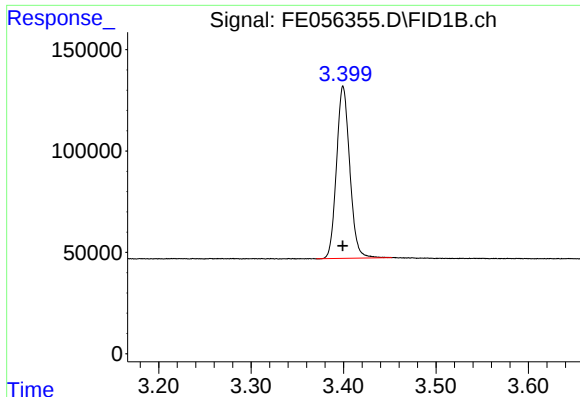
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056355.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 19:31  
Operator : YP\AJ  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

Integration File: autoint1.e  
Quant Time: Oct 17 08:24:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 08:21:56 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

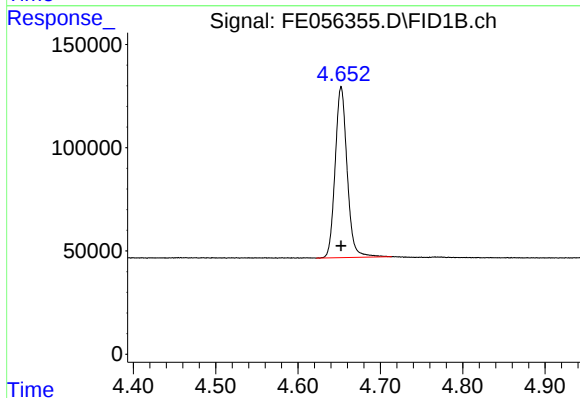




#1 n-Nonane (C9)

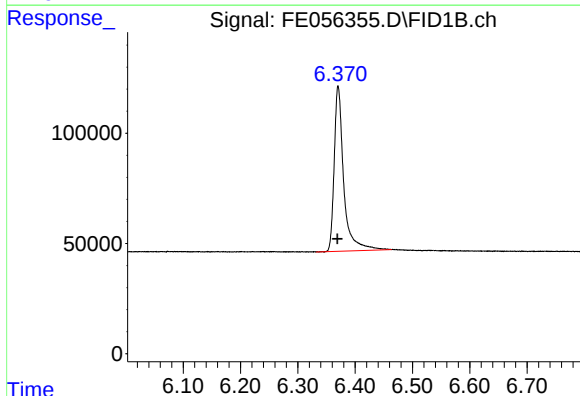
R.T.: 3.400 min  
Delta R.T.: 0.000 min  
Response: 845403  
Conc: 5.50 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



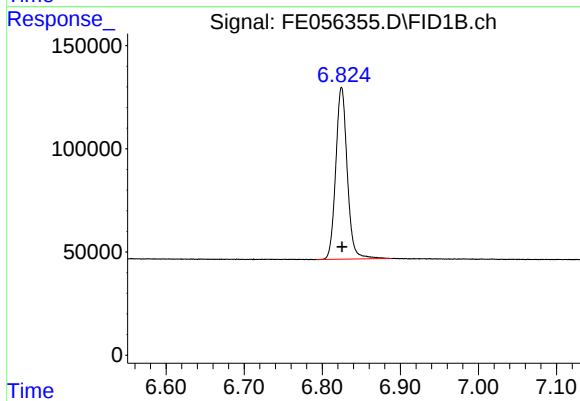
#2 n-Decane (C10)

R.T.: 4.652 min  
Delta R.T.: 0.000 min  
Response: 837010  
Conc: 5.39 ug/ml



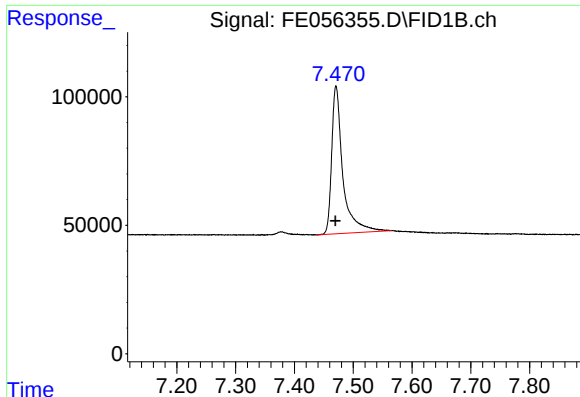
#3 A~Naphthalene (C11.7)

R.T.: 6.371 min  
Delta R.T.: 0.002 min  
Response: 865601  
Conc: 5.15 ug/ml



#4 n-Dodecane (C12)

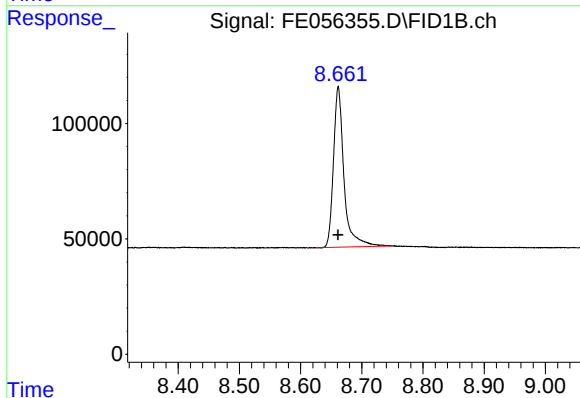
R.T.: 6.825 min  
Delta R.T.: 0.000 min  
Response: 852915  
Conc: 5.41 ug/ml



#5 A~2-methylnaphthalene (C12.89)

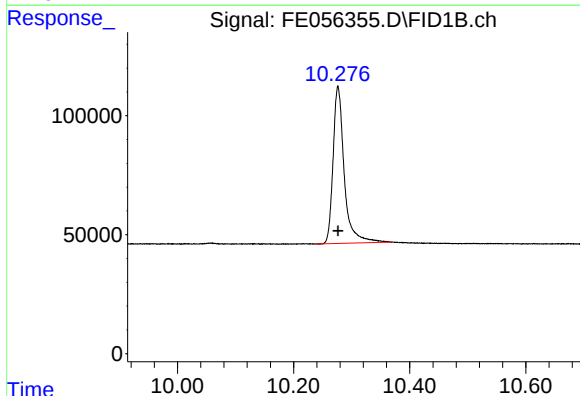
R.T.: 7.471 min  
Delta R.T.: 0.001 min  
Response: 757610  
Conc: 4.74 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



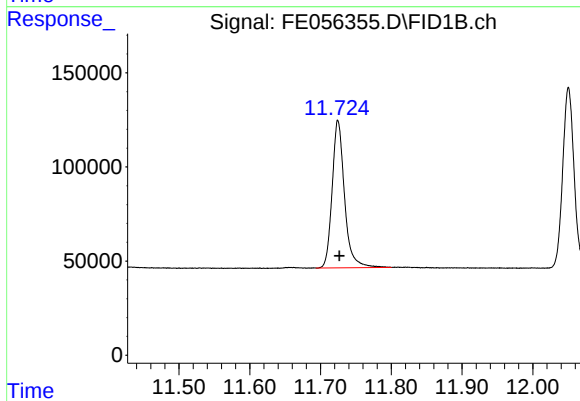
#6 n-Tetradecane (C14)

R.T.: 8.662 min  
Delta R.T.: 0.000 min  
Response: 828658  
Conc: 5.30 ug/ml



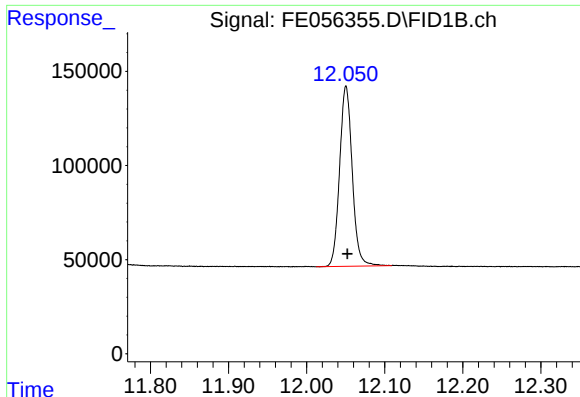
#7 n-Hexadecane (C16)

R.T.: 10.277 min  
Delta R.T.: 0.000 min  
Response: 881705  
Conc: 5.35 ug/ml



#8 n-Octadecane (C18)

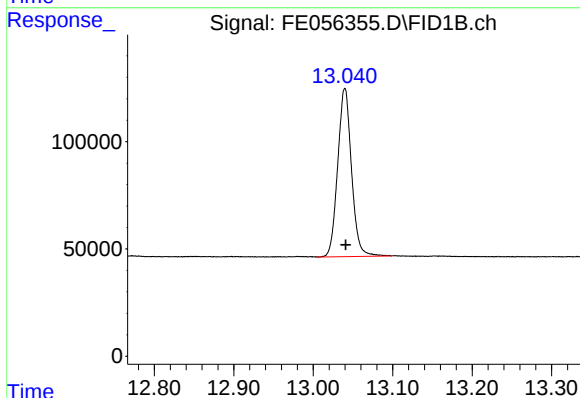
R.T.: 11.725 min  
Delta R.T.: -0.002 min  
Response: 950205  
Conc: 5.56 ug/ml



#9 ortho-Terphenyl (SURR)

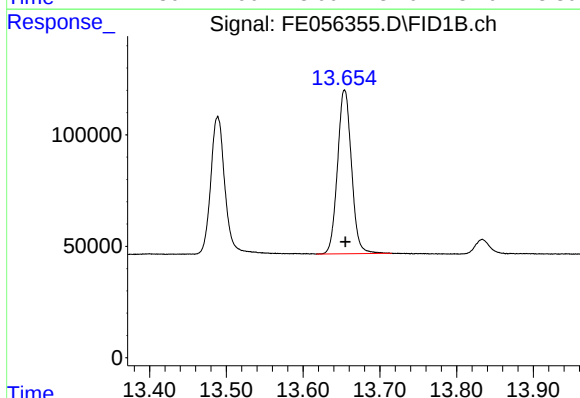
R.T.: 12.050 min  
Delta R.T.: -0.002 min  
Response: 1074413  
Conc: 5.62 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



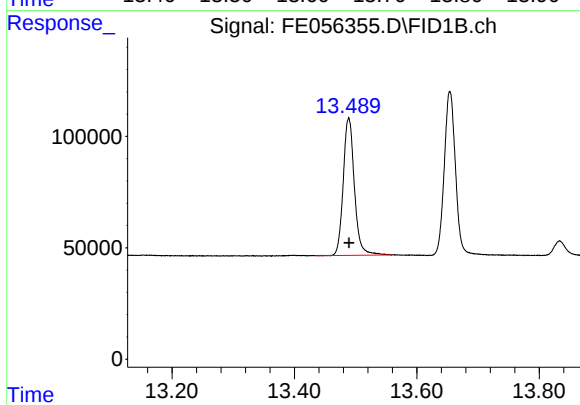
#10 n-Eicosane (C20)

R.T.: 13.040 min  
Delta R.T.: -0.001 min  
Response: 945832  
Conc: 5.70 ug/ml



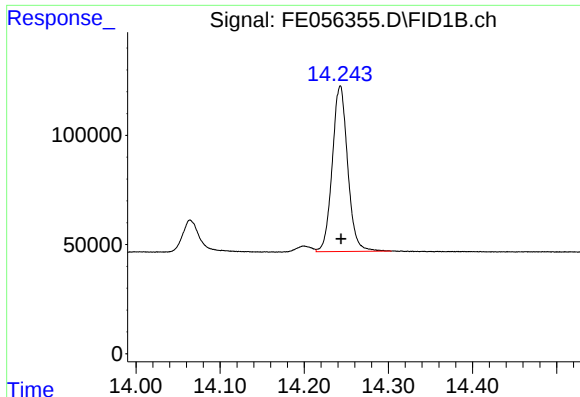
#11 n-Heneicosane (C21)

R.T.: 13.654 min  
Delta R.T.: -0.001 min  
Response: 928712  
Conc: 5.66 ug/ml



#12 1-chlorooctadecane (SURR)

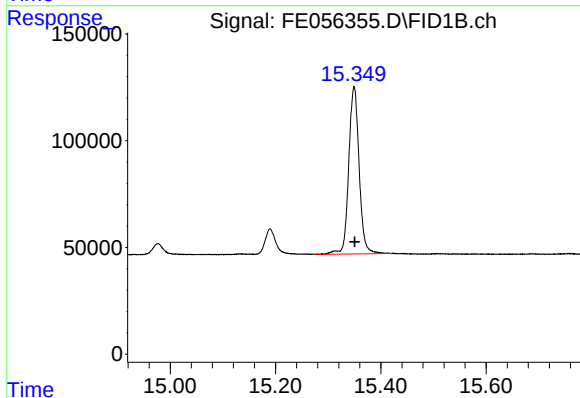
R.T.: 13.489 min  
Delta R.T.: 0.000 min  
Response: 780302  
Conc: 5.44 ug/ml



#13 n-Docosane (C22)

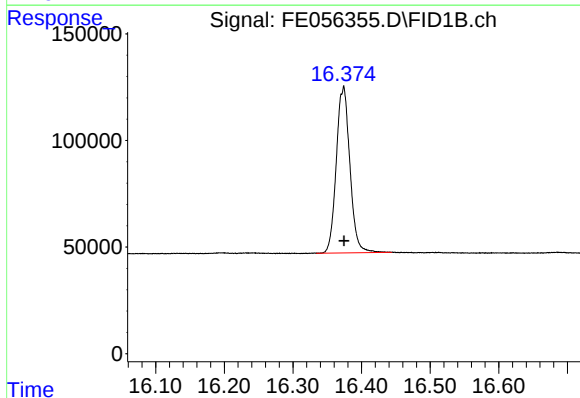
R.T.: 14.243 min  
Delta R.T.: -0.001 min  
Response: 966258  
Conc: 5.94 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



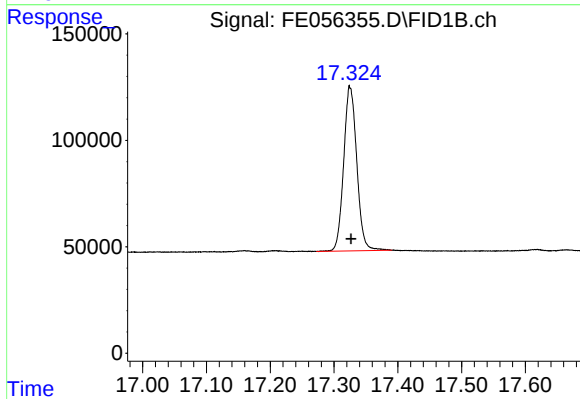
#14 n-Tetracosane (C24)

R.T.: 15.349 min  
Delta R.T.: -0.001 min  
Response: 1075389  
Conc: 6.63 ug/ml



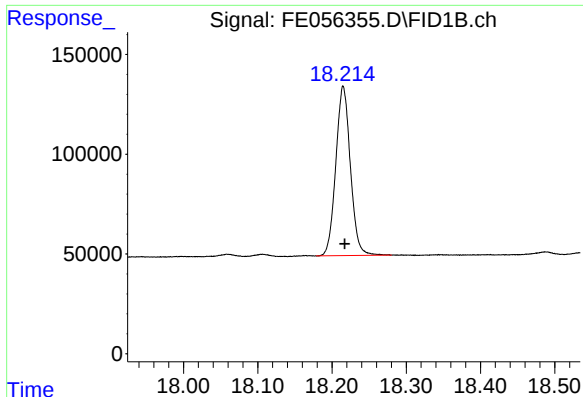
#15 n-Hexacosane (C26)

R.T.: 16.373 min  
Delta R.T.: -0.001 min  
Response: 1073648  
Conc: 6.75 ug/ml



#16 n-Octacosane (C28)

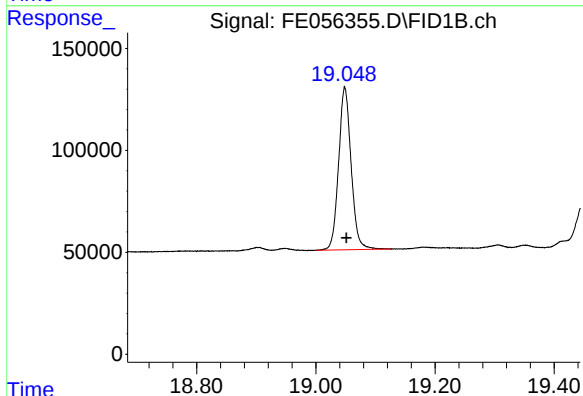
R.T.: 17.325 min  
Delta R.T.: -0.001 min  
Response: 1103081  
Conc: 7.13 ug/ml



#17 n-Tricontane (C30)

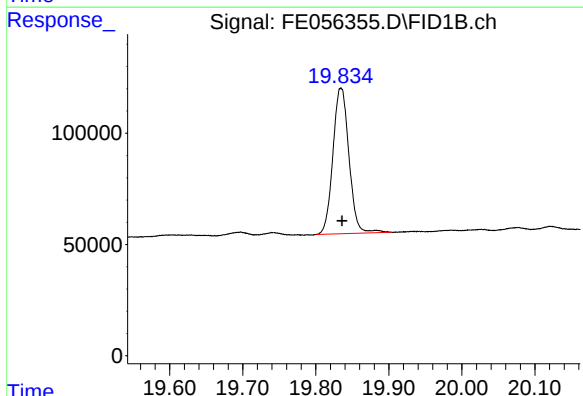
R.T.: 18.215 min  
Delta R.T.: -0.002 min  
Response: 1157061  
Conc: 7.39 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



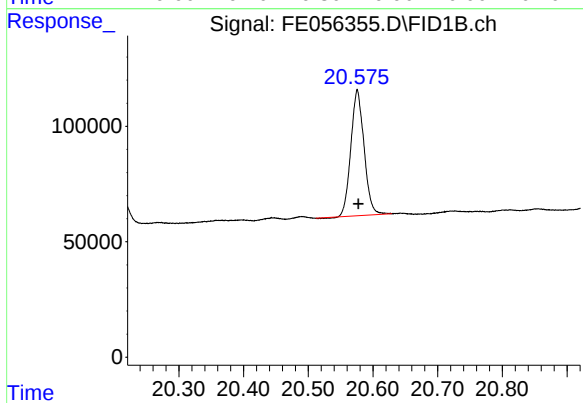
#18 n-Dotriacontane (C32)

R.T.: 19.049 min  
Delta R.T.: -0.003 min  
Response: 1164202  
Conc: 7.76 ug/ml



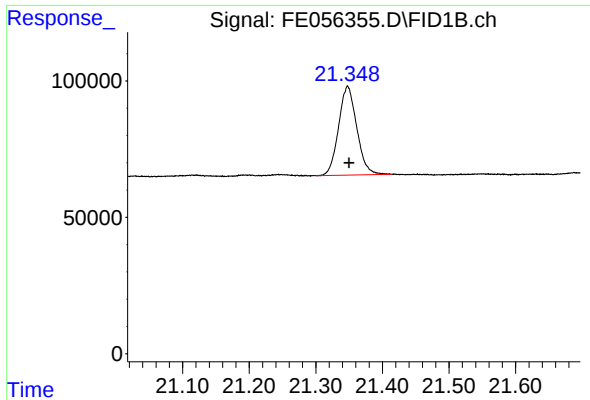
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min  
Delta R.T.: -0.001 min  
Response: 997955  
Conc: 7.38 ug/ml



#20 n-Hexatriacontane (C36)

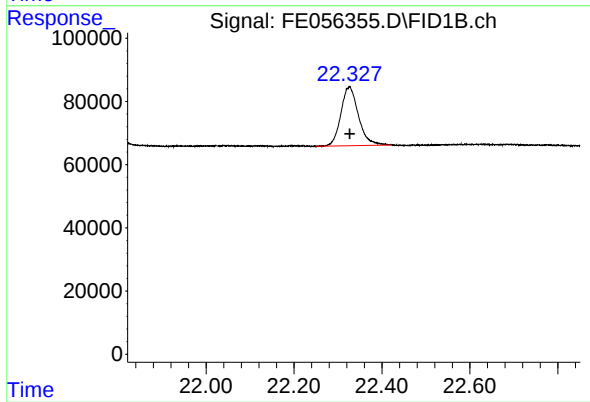
R.T.: 20.576 min  
Delta R.T.: -0.002 min  
Response: 769876  
Conc: 6.69 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.348 min  
Delta R.T.: -0.002 min  
Response: 617112  
Conc: 6.25 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5



#22 n-Tetracontane (C40)

R.T.: 22.326 min  
Delta R.T.: -0.002 min  
Response: 516170  
Conc: 6.04 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056355.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 19:31  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Title : GC Extractables

Signal : FID1B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.400       | 3.370        | 3.452      | BB       | 84573          | 845403       | 72.62%         | 4.229%        |
| 2                       | 4.652       | 4.622        | 4.714      | BB       | 82659          | 837010       | 71.90%         | 4.187%        |
| 3                       | 6.371       | 6.332        | 6.464      | BB       | 74821          | 865601       | 74.35%         | 4.330%        |
| 4                       | 6.825       | 6.792        | 6.889      | BB       | 83405          | 852915       | 73.26%         | 4.267%        |
| 5                       | 7.471       | 7.437        | 7.565      | BB       | 57573          | 757610       | 65.08%         | 3.790%        |
| 6                       | 8.662       | 8.625        | 8.749      | BB       | 69512          | 828658       | 71.18%         | 4.146%        |
| 7                       | 10.277      | 10.239       | 10.369     | BB       | 65933          | 881705       | 75.73%         | 4.411%        |
| 8                       | 11.725      | 11.694       | 11.800     | BB       | 77863          | 950205       | 81.62%         | 4.754%        |
| 9                       | 12.050      | 12.012       | 12.109     | BB       | 95775          | 1074413      | 92.29%         | 5.375%        |
| 10                      | 13.040      | 13.004       | 13.099     | BB       | 78642          | 945832       | 81.24%         | 4.732%        |
| 11                      | 13.489      | 13.435       | 13.559     | BB       | 61563          | 780302       | 67.02%         | 3.904%        |
| 12                      | 13.654      | 13.617       | 13.715     | BB       | 73520          | 928712       | 79.77%         | 4.646%        |
| 13                      | 14.243      | 14.214       | 14.304     | VB       | 75724          | 966258       | 83.00%         | 4.834%        |
| 14                      | 15.349      | 15.277       | 15.420     | BB       | 78509          | 1075389      | 92.37%         | 5.380%        |
| 15                      | 16.373      | 16.334       | 16.444     | BB       | 78130          | 1073648      | 92.22%         | 5.371%        |
| 16                      | 17.325      | 17.272       | 17.390     | BB       | 76319          | 1103081      | 94.75%         | 5.518%        |
| 17                      | 18.215      | 18.179       | 18.280     | BB       | 84928          | 1157061      | 99.39%         | 5.788%        |
| 18                      | 19.049      | 19.000       | 19.127     | BB       | 79842          | 1164202      | 100.00%        | 5.824%        |
| 19                      | 19.835      | 19.800       | 19.904     | BB       | 65419          | 997955       | 85.72%         | 4.992%        |
| 20                      | 20.576      | 20.512       | 20.629     | BB       | 54672          | 769876       | 66.13%         | 3.851%        |
| 21                      | 21.348      | 21.300       | 21.414     | BB       | 32615          | 617112       | 53.01%         | 3.087%        |
| 22                      | 22.326      | 22.250       | 22.422     | BB       | 18646          | 516170       | 44.34%         | 2.582%        |
| Sum of corrected areas: |             |              |            |          |                |              | 19989119       |               |

Aliphatic EPH 101725.M Fri Oct 17 08:35:55 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
 Data File : FE056356.D  
 Signal(s) : FID1B.ch  
 Acq On : 16 Oct 2025 20:01  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD ICV  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e  
 Quant Time: Oct 17 08:38:25 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 08:31:49 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)    | 12.052 | 3949794    | 19.334 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 38.67%       |
| 12) S 1-chlorooctadecane (S... | 13.489 | 2945133    | 19.302 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 38.60%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.399  | 3229626    | 19.814 ug/ml |
| 2) T n-Decane (C10)            | 4.652  | 3251290    | 19.771 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.369  | 3508004    | 19.844 ug/ml |
| 4) T n-Dodecane (C12)          | 6.825  | 3303881    | 19.692 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.470  | 3357383    | 20.149 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.662  | 3263139    | 19.642 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.277 | 3411575    | 19.499 ug/ml |
| 8) T n-Octadecane (C18)        | 11.726 | 3525888    | 19.329 ug/ml |
| 10) T n-Eicosane (C20)         | 13.040 | 3421073    | 19.214 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.654 | 3380745    | 19.269 ug/ml |
| 13) T n-Docosane (C22)         | 14.243 | 3347619    | 18.912 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.350 | 3333057    | 18.320 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.374 | 3273041    | 18.233 ug/ml |
| 16) T n-Octacosane (C28)       | 17.326 | 3193103    | 17.949 ug/ml |
| 17) T n-Tricontane (C30)       | 18.216 | 3242704    | 17.860 ug/ml |
| 18) T n-Dotriacontane (C32)    | 19.050 | 3153184    | 17.885 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.835 | 2883877    | 18.630 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.578 | 2529671    | 20.248 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.347 | 2185918    | 20.922 ug/ml |
| 22) T n-Tetracontane (C40)     | 22.324 | 1935013    | 21.324 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

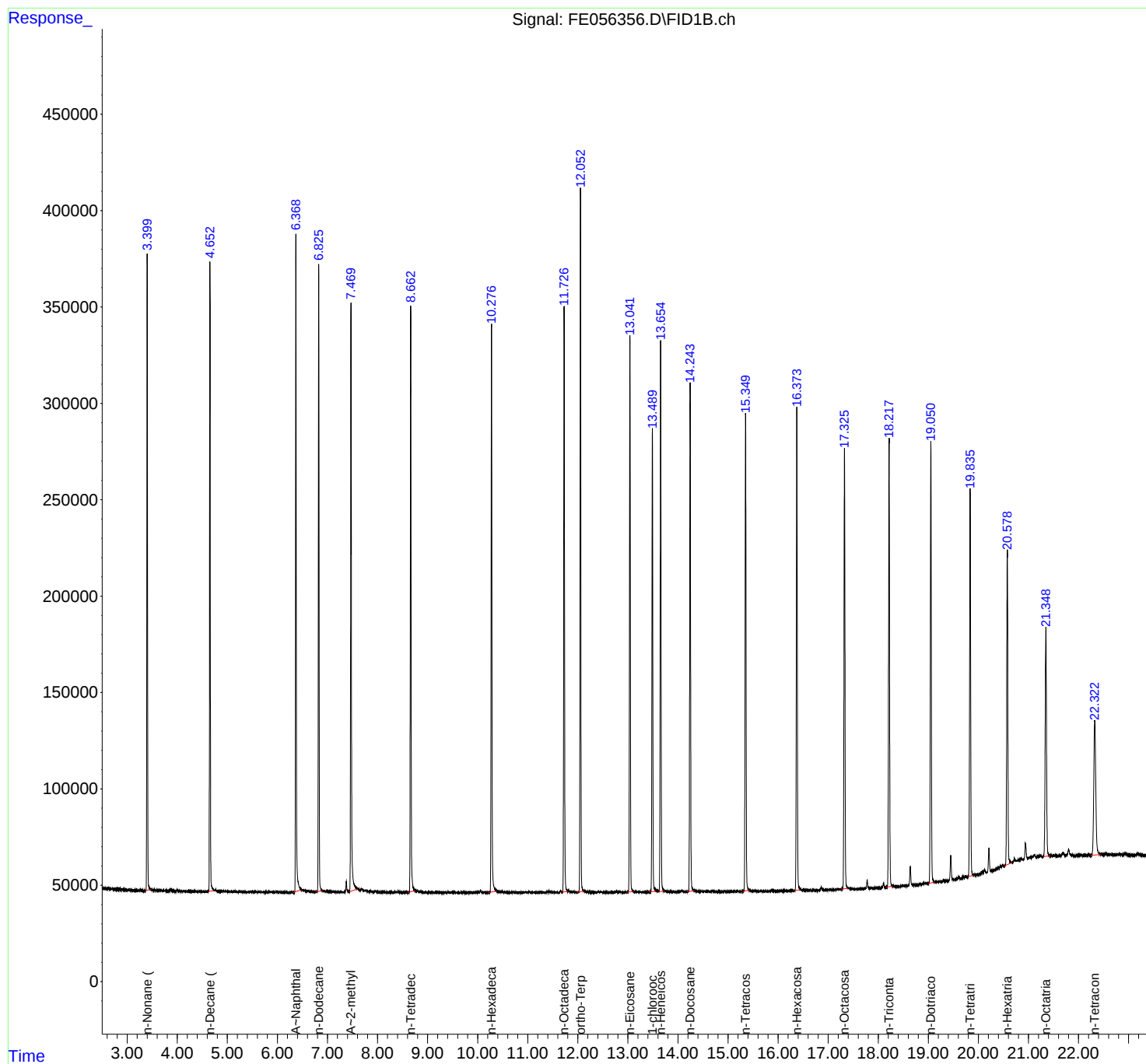
(m)=manual int.

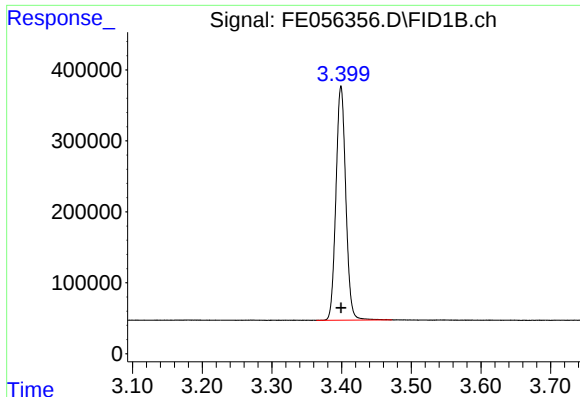
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056356.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 20:01  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD ICV  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e  
Quant Time: Oct 17 08:38:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 08:31:49 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

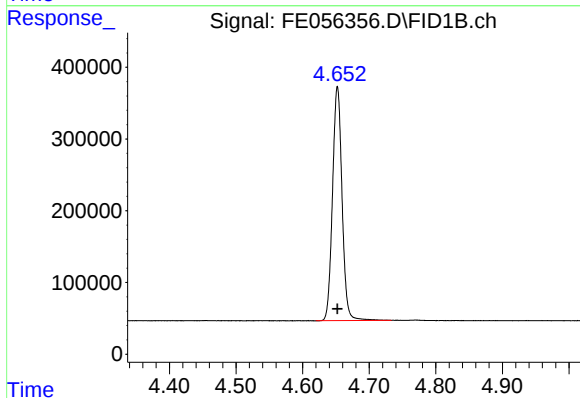




#1 n-Nonane (C9)

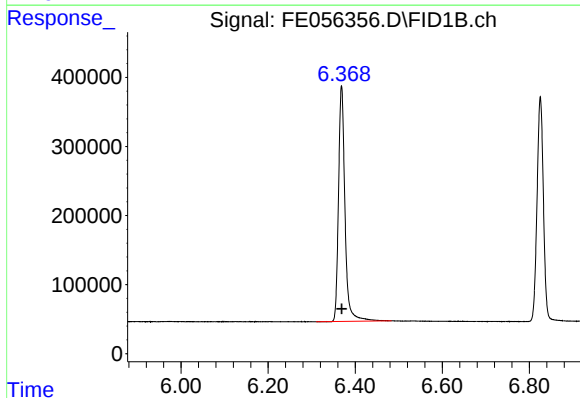
R.T.: 3.399 min  
Delta R.T.: 0.000 min  
Response: 3229626  
Conc: 19.81 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



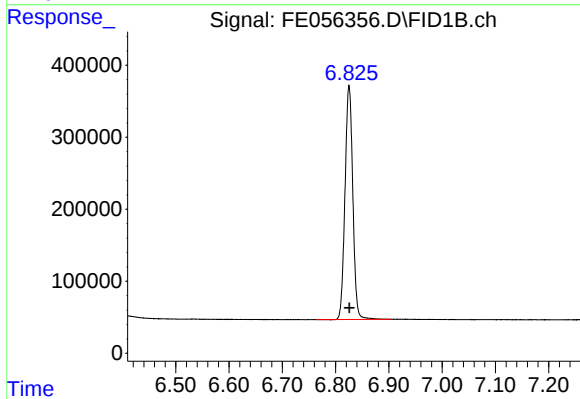
#2 n-Decane (C10)

R.T.: 4.652 min  
Delta R.T.: 0.000 min  
Response: 3251290  
Conc: 19.77 ug/ml



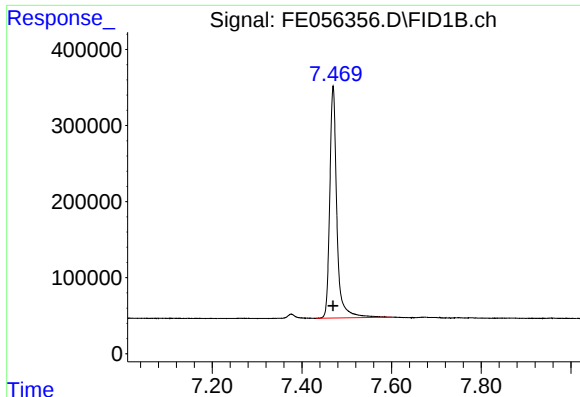
#3 A~Naphthalene (C11.7)

R.T.: 6.369 min  
Delta R.T.: 0.000 min  
Response: 3508004  
Conc: 19.84 ug/ml



#4 n-Dodecane (C12)

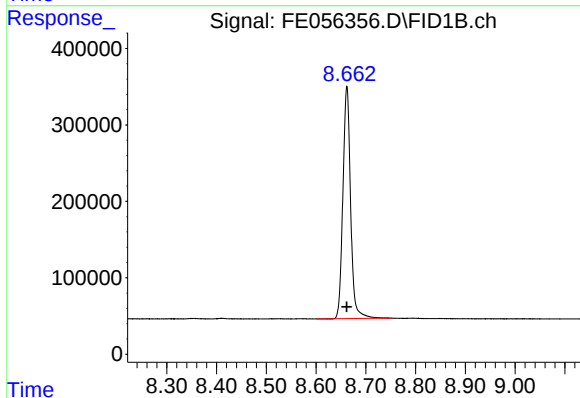
R.T.: 6.825 min  
Delta R.T.: 0.000 min  
Response: 3303881  
Conc: 19.69 ug/ml



#5 A~2-methylnaphthalene (C12.89)

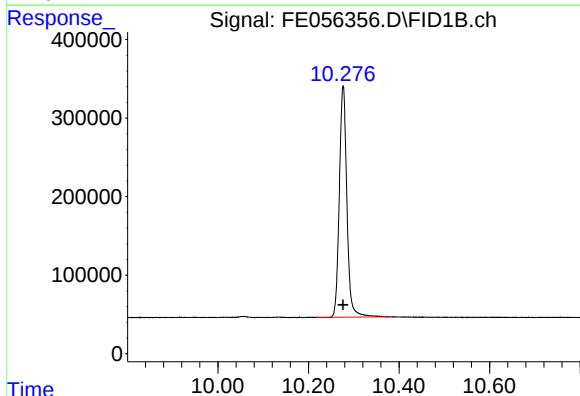
R.T.: 7.470 min  
Delta R.T.: 0.000 min  
Response: 3357383  
Conc: 20.15 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



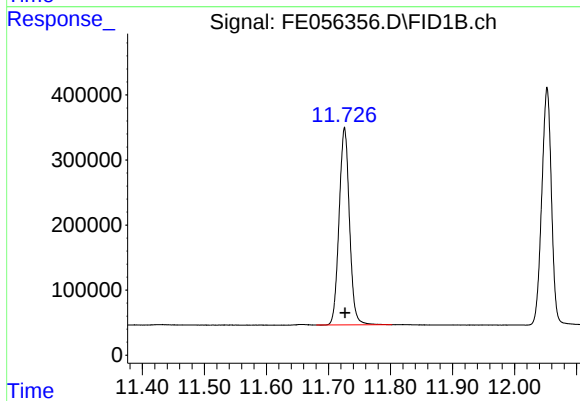
#6 n-Tetradecane (C14)

R.T.: 8.662 min  
Delta R.T.: 0.000 min  
Response: 3263139  
Conc: 19.64 ug/ml



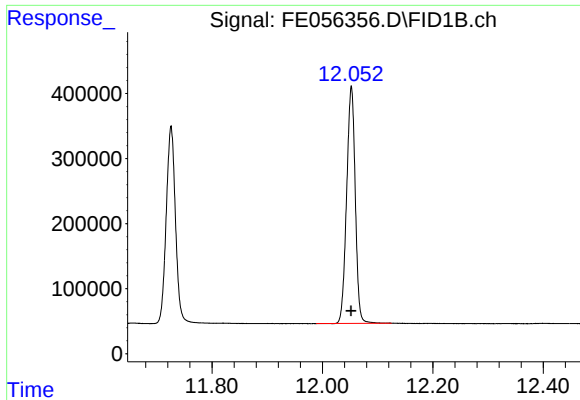
#7 n-Hexadecane (C16)

R.T.: 10.277 min  
Delta R.T.: 0.000 min  
Response: 3411575  
Conc: 19.50 ug/ml



#8 n-Octadecane (C18)

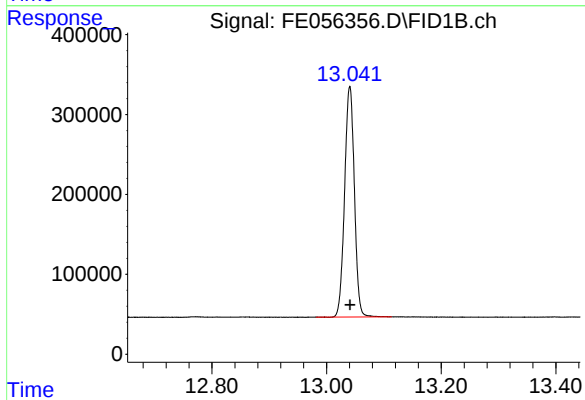
R.T.: 11.726 min  
Delta R.T.: 0.000 min  
Response: 3525888  
Conc: 19.33 ug/ml



#9 ortho-Terphenyl (SURR)

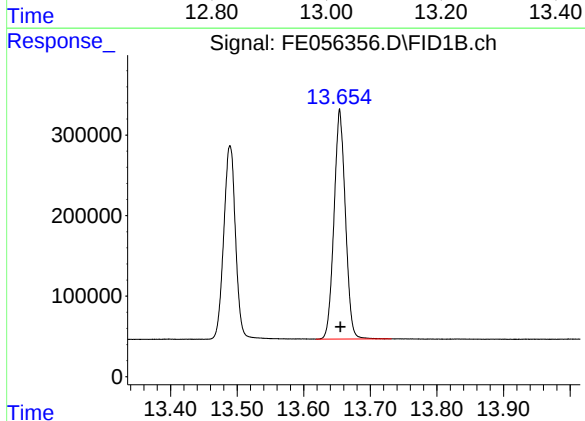
R.T.: 12.052 min  
Delta R.T.: 0.000 min  
Response: 3949794  
Conc: 19.33 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



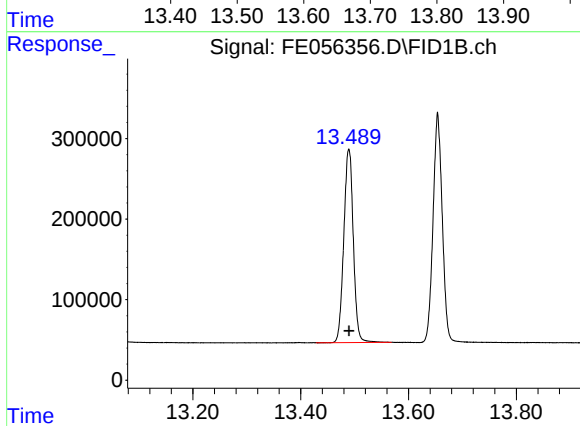
#10 n-Eicosane (C20)

R.T.: 13.040 min  
Delta R.T.: 0.000 min  
Response: 3421073  
Conc: 19.21 ug/ml



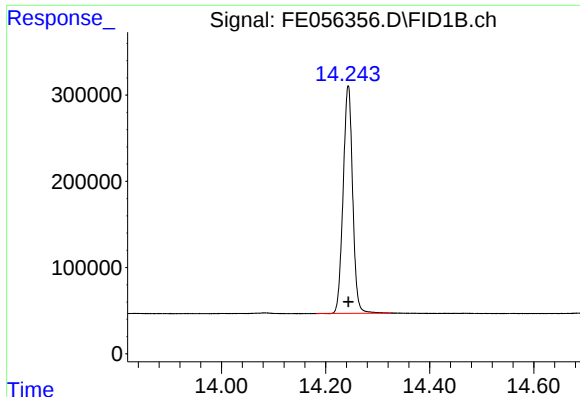
#11 n-Heneicosane (C21)

R.T.: 13.654 min  
Delta R.T.: -0.001 min  
Response: 3380745  
Conc: 19.27 ug/ml



#12 1-chlorooctadecane (SURR)

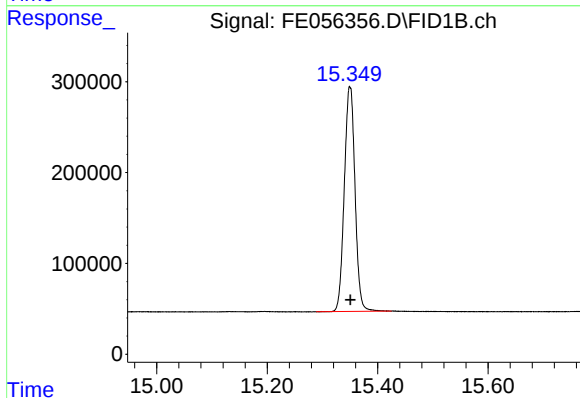
R.T.: 13.489 min  
Delta R.T.: 0.000 min  
Response: 2945133  
Conc: 19.30 ug/ml



#13 n-Docosane (C22)

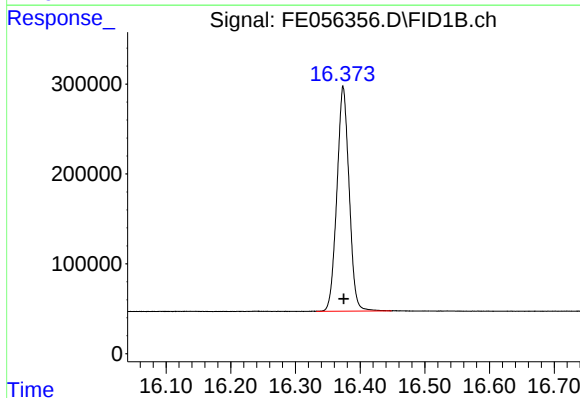
R.T.: 14.243 min  
Delta R.T.: 0.000 min  
Response: 3347619  
Conc: 18.91 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



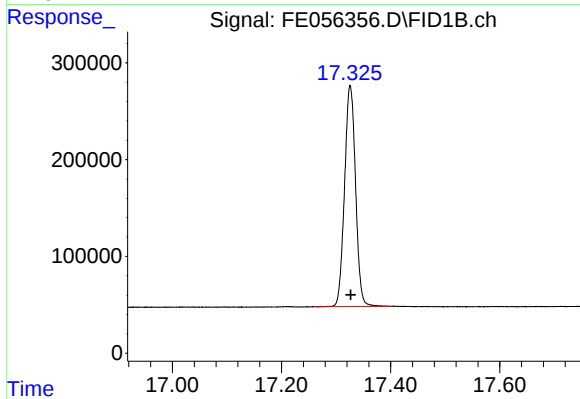
#14 n-Tetracosane (C24)

R.T.: 15.350 min  
Delta R.T.: 0.000 min  
Response: 3333057  
Conc: 18.32 ug/ml



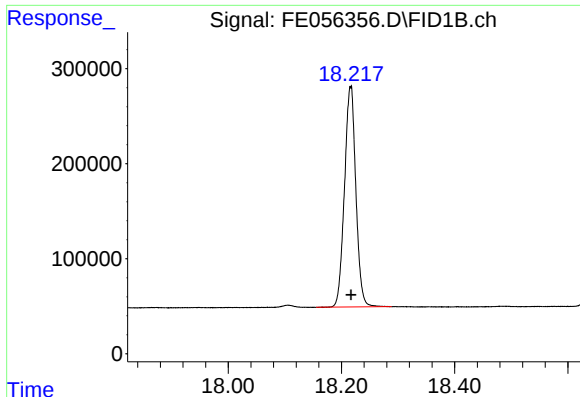
#15 n-Hexacosane (C26)

R.T.: 16.374 min  
Delta R.T.: 0.000 min  
Response: 3273041  
Conc: 18.23 ug/ml



#16 n-Octacosane (C28)

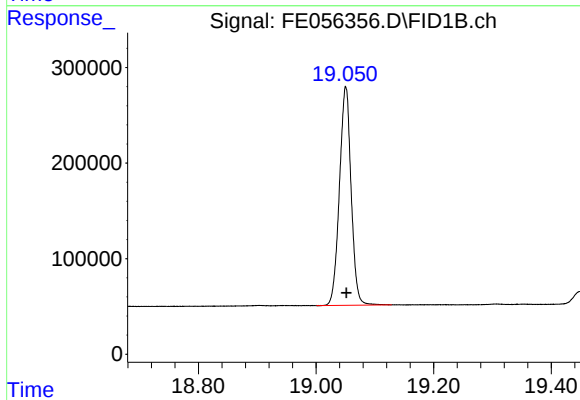
R.T.: 17.326 min  
Delta R.T.: 0.000 min  
Response: 3193103  
Conc: 17.95 ug/ml



#17 n-Tricontane (C30)

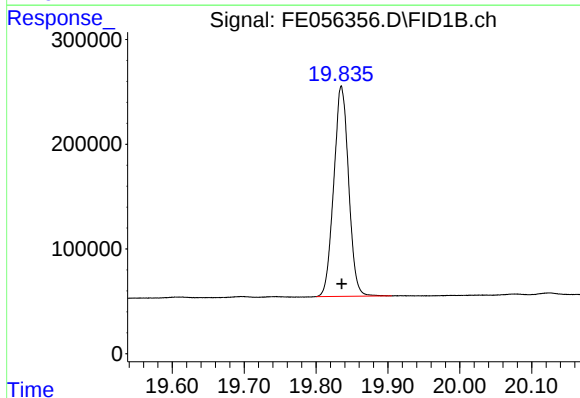
R.T.: 18.216 min  
Delta R.T.: 0.000 min  
Response: 3242704  
Conc: 17.86 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



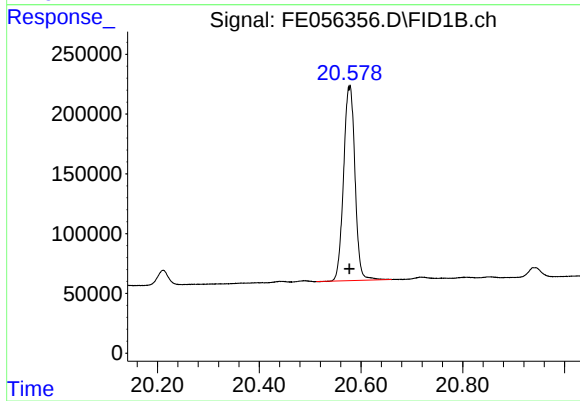
#18 n-Dotriacontane (C32)

R.T.: 19.050 min  
Delta R.T.: -0.001 min  
Response: 3153184  
Conc: 17.89 ug/ml



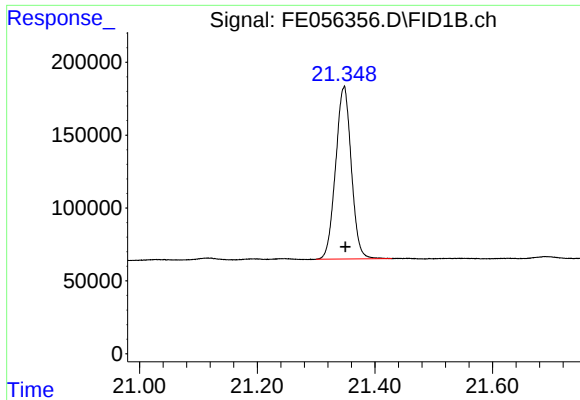
#19 n-Tetratriacontane (C34)

R.T.: 19.835 min  
Delta R.T.: 0.000 min  
Response: 2883877  
Conc: 18.63 ug/ml



#20 n-Hexatriacontane (C36)

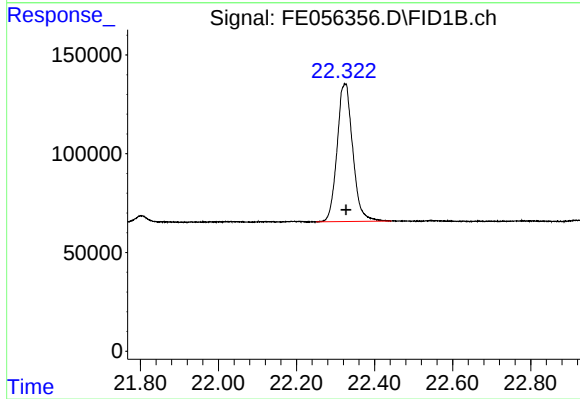
R.T.: 20.578 min  
Delta R.T.: 0.000 min  
Response: 2529671  
Conc: 20.25 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.347 min  
Delta R.T.: -0.003 min  
Response: 2185918  
Conc: 20.92 ug/ml

Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 22.324 min  
Delta R.T.: -0.003 min  
Response: 1935013  
Conc: 21.32 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE101725AL\  
Data File : FE056356.D  
Signal(s) : FID1B.ch  
Acq On : 16 Oct 2025 20:01  
Sample : 20 PPM ALIPHATIC HC STD ICV  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Title : GC Extractables

Signal : FID1B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.399       | 3.364        | 3.472      | BB       | 329383         | 3229626      | 81.77%         | 4.639%        |
| 2                       | 4.652       | 4.620        | 4.734      | BB       | 326792         | 3251290      | 82.32%         | 4.670%        |
| 3                       | 6.369       | 6.310        | 6.484      | BB       | 340988         | 3508004      | 88.81%         | 5.038%        |
| 4                       | 6.825       | 6.764        | 6.905      | BB       | 325042         | 3303881      | 83.65%         | 4.745%        |
| 5                       | 7.470       | 7.432        | 7.600      | BB       | 305406         | 3357383      | 85.00%         | 4.822%        |
| 6                       | 8.662       | 8.600        | 8.752      | BB       | 303744         | 3263139      | 82.62%         | 4.687%        |
| 7                       | 10.277      | 10.217       | 10.384     | BB       | 295339         | 3411575      | 86.37%         | 4.900%        |
| 8                       | 11.726      | 11.680       | 11.802     | BB       | 303036         | 3525888      | 89.27%         | 5.064%        |
| 9                       | 12.052      | 11.989       | 12.125     | BB       | 364645         | 3949794      | 100.00%        | 5.673%        |
| 10                      | 13.040      | 12.982       | 13.114     | BB       | 288511         | 3421073      | 86.61%         | 4.914%        |
| 11                      | 13.489      | 13.429       | 13.569     | BB       | 239866         | 2945133      | 74.56%         | 4.230%        |
| 12                      | 13.654      | 13.619       | 13.732     | BB       | 284673         | 3380745      | 85.59%         | 4.856%        |
| 13                      | 14.243      | 14.182       | 14.327     | BB       | 264305         | 3347619      | 84.75%         | 4.808%        |
| 14                      | 15.350      | 15.289       | 15.425     | BB       | 246764         | 3333057      | 84.39%         | 4.787%        |
| 15                      | 16.374      | 16.332       | 16.449     | BB       | 250306         | 3273041      | 82.87%         | 4.701%        |
| 16                      | 17.326      | 17.264       | 17.402     | BB       | 228409         | 3193103      | 80.84%         | 4.586%        |
| 17                      | 18.216      | 18.155       | 18.289     | BB       | 232756         | 3242704      | 82.10%         | 4.657%        |
| 18                      | 19.050      | 19.000       | 19.129     | BB       | 229356         | 3153184      | 79.83%         | 4.529%        |
| 19                      | 19.835      | 19.800       | 19.905     | BB       | 200556         | 2883877      | 73.01%         | 4.142%        |
| 20                      | 20.578      | 20.512       | 20.660     | BB       | 160867         | 2529671      | 64.05%         | 3.633%        |
| 21                      | 21.347      | 21.300       | 21.429     | BB       | 117716         | 2185918      | 55.34%         | 3.140%        |
| 22                      | 22.324      | 22.250       | 22.444     | BB       | 69158          | 1935013      | 48.99%         | 2.779%        |
| Sum of corrected areas: |             |              |            |          |                | 69624716     |                |               |

Aliphatic EPH 101725.M Fri Oct 17 08:49:01 2025

Continuing Calibration Report for SequenceID : FC102825AL

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

File ID : FC070059.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 7996857.000  | 60.000  | 3.277  | 6.572  | 133280.950 | 144785.198 | 7.946  |
| Aliphatic C12-C16 | 5964236.000  | 40.000  | 6.573  | 9.973  | 149105.900 | 163782.335 | 8.961  |
| Aliphatic C16-C21 | 8931229.000  | 60.000  | 9.974  | 13.340 | 148853.817 | 161945.502 | 8.084  |
| Aliphatic C21-C28 | 10881486.000 | 80.000  | 13.341 | 17.005 | 136018.575 | 147142.336 | 7.560  |
| Aliphatic C28-C40 | 13484302.000 | 120.000 | 17.006 | 21.959 | 112369.183 | 107599.833 | -4.432 |
| Aliphatic EPH     | 47258110.000 | 360.000 | 3.277  | 21.959 | 131272.528 | 137884.728 | 4.795  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 28 Oct 2025 11:59 |
| Client Sample ID: |                       | Operator:          | YP/AJ             |
| Data file:        | FC070059.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 3                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.277  | 6.572  | 7996857.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.573  | 9.973  | 5964236.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 9.974  | 13.340 | 8931229.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.341 | 17.005 | 10881486.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.006 | 21.959 | 13484302.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.277  | 21.959 | 47258110.000 | 360.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
 Data File : FC070059.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 11:59  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Integration File: autoint1.e  
 Quant Time: Oct 29 03:45:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:35:40 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)    | 11.639 | 3243042    | 18.468 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 36.94%       |
| 12) S 1-chlorooctadecane (S... | 13.074 | 2497183    | 18.396 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 36.79%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.377  | 2501892    | 18.220 ug/ml |
| 2) T n-Decane (C10)            | 4.449  | 2680247    | 18.644 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.044  | 2954563    | 18.281 ug/ml |
| 4) T n-Dodecane (C12)          | 6.472  | 2814718    | 18.364 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.103  | 2904882    | 18.207 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.270  | 2902965    | 18.253 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.873  | 3061271    | 18.166 ug/ml |
| 8) T n-Octadecane (C18)        | 11.317 | 3114110    | 18.304 ug/ml |
| 10) T n-Eicosane (C20)         | 12.627 | 2951485    | 18.397 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.240 | 2865634    | 18.455 ug/ml |
| 13) T n-Docosane (C22)         | 13.827 | 2835316    | 18.424 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.932 | 2787500    | 18.384 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.954 | 2661271    | 18.387 ug/ml |
| 16) T n-Octacosane (C28)       | 16.905 | 2597399    | 18.780 ug/ml |
| 17) T n-Tricontane (C30)       | 17.794 | 2770012    | 20.288 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.627 | 2749646    | 21.326 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.410 | 2481732    | 21.751 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.151 | 2033537    | 21.027 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.909 | 1803927    | 20.697 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.859 | 1645448    | 20.027 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

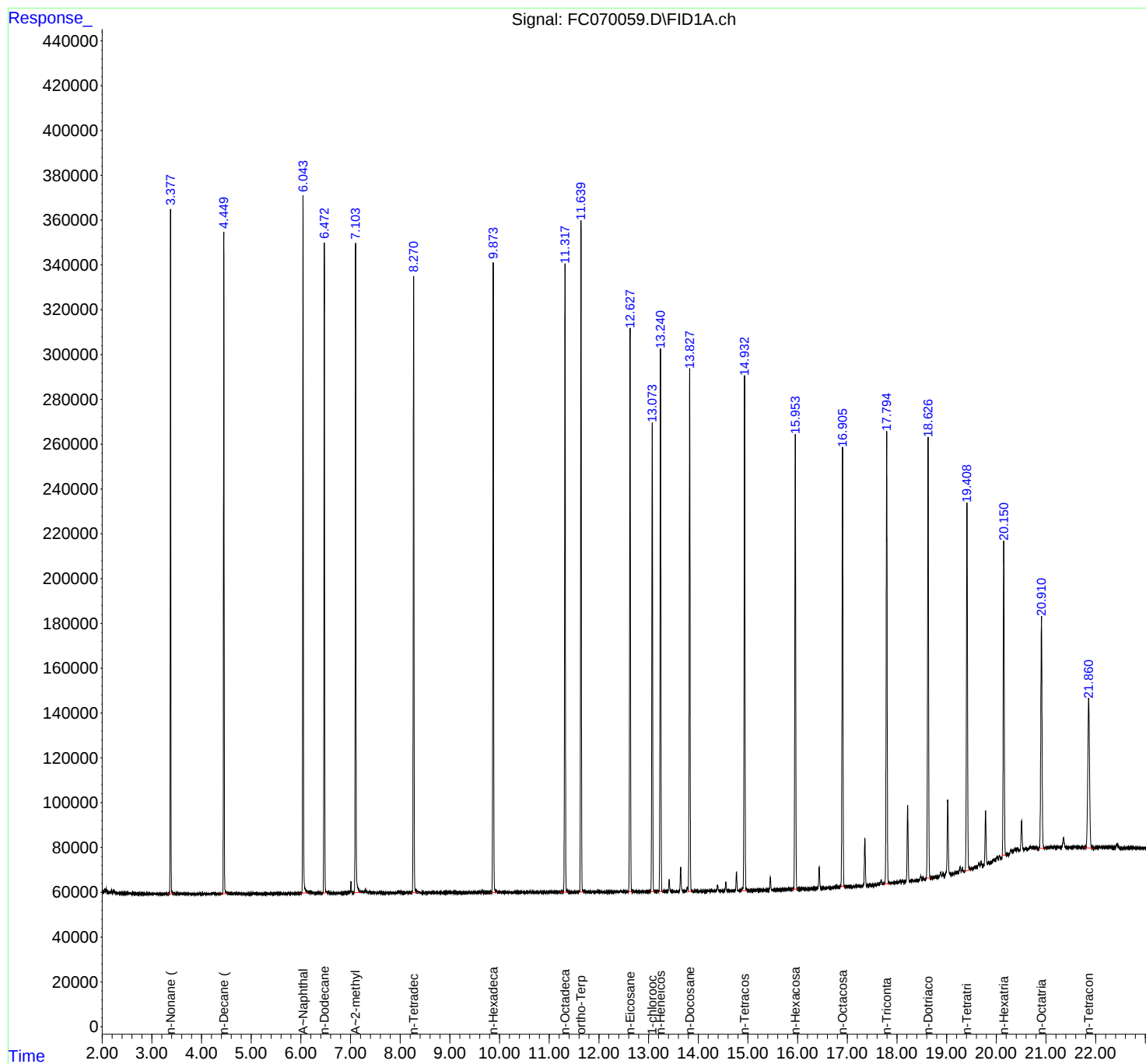
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
Data File : FC070059.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 11:59  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

Integration File: autoint1.e  
Quant Time: Oct 29 03:45:13 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:35:40 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\FC102825AL\  
 Data File : FC070059.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 11:59  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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                       | 3.377       | 3.319        | 3.439      | BB       | 305536         | 2501892      | 77.15%         | 4.249%        |
| 2                       | 4.449       | 4.387        | 4.520      | BB       | 295475         | 2680247      | 82.65%         | 4.552%        |
| 3                       | 6.044       | 5.990        | 6.144      | BB       | 311585         | 2954563      | 91.10%         | 5.018%        |
| 4                       | 6.472       | 6.439        | 6.525      | BB       | 289519         | 2814718      | 86.79%         | 4.780%        |
| 5                       | 7.103       | 7.062        | 7.224      | BB       | 289317         | 2904882      | 89.57%         | 4.933%        |
| 6                       | 8.270       | 8.230        | 8.365      | BB       | 276454         | 2902965      | 89.51%         | 4.930%        |
| 7                       | 9.873       | 9.835        | 9.955      | BB       | 280480         | 3061271      | 94.40%         | 5.199%        |
| 8                       | 11.317      | 11.224       | 11.389     | BB       | 280426         | 3114110      | 96.02%         | 5.289%        |
| 9                       | 11.639      | 11.589       | 11.699     | BB       | 299461         | 3243042      | 100.00%        | 5.507%        |
| 10                      | 12.627      | 12.590       | 12.682     | BB       | 250892         | 2951485      | 91.01%         | 5.012%        |
| 11                      | 13.074      | 13.034       | 13.130     | BB       | 209715         | 2497183      | 77.00%         | 4.241%        |
| 12                      | 13.240      | 13.199       | 13.299     | BB       | 241943         | 2865634      | 88.36%         | 4.867%        |
| 13                      | 13.827      | 13.795       | 13.885     | VB       | 233068         | 2835316      | 87.43%         | 4.815%        |
| 14                      | 14.932      | 14.864       | 14.989     | BB       | 229999         | 2787500      | 85.95%         | 4.734%        |
| 15                      | 15.954      | 15.890       | 16.010     | BB       | 203106         | 2661271      | 82.06%         | 4.520%        |
| 16                      | 16.905      | 16.870       | 16.967     | BB       | 195840         | 2597399      | 80.09%         | 4.411%        |
| 17                      | 17.794      | 17.719       | 17.854     | BB       | 201007         | 2770012      | 85.41%         | 4.704%        |
| 18                      | 18.627      | 18.590       | 18.692     | BB       | 195920         | 2749646      | 84.79%         | 4.670%        |
| 19                      | 19.410      | 19.349       | 19.482     | BB       | 163198         | 2481732      | 76.52%         | 4.215%        |
| 20                      | 20.150      | 20.112       | 20.194     | M        | 141020         | 2059873      | 63.52%         | 3.498%        |
| 21                      | 20.909      | 20.860       | 20.982     | BB       | 103014         | 1803927      | 55.62%         | 3.064%        |
| 22                      | 21.859      | 21.765       | 21.962     | BB       | 66524          | 1645448      | 50.74%         | 2.794%        |
| Sum of corrected areas: |             |              |            |          |                |              | 58884113       |               |

Aliphatic EPH 100725.M Wed Oct 29 05:03:52 2025

Continuing Calibration Report for SequenceID : FC102825AL

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

File ID : FC070069.D

|                   |              |         |        |        |            |            |         |
|-------------------|--------------|---------|--------|--------|------------|------------|---------|
| Aliphatic C9-C12  | 8739229.000  | 60.000  | 3.277  | 6.572  | 145653.817 | 144785.198 | -0.600  |
| Aliphatic C12-C16 | 6704236.000  | 40.000  | 6.573  | 9.973  | 167605.900 | 163782.335 | -2.335  |
| Aliphatic C16-C21 | 10274461.000 | 60.000  | 9.974  | 13.340 | 171241.017 | 161945.502 | -5.740  |
| Aliphatic C21-C28 | 12726090.000 | 80.000  | 13.341 | 17.005 | 159076.125 | 147142.336 | -8.110  |
| Aliphatic C28-C40 | 15506732.000 | 120.000 | 17.006 | 21.959 | 129222.767 | 107599.833 | -20.096 |
| Aliphatic EPH     | 53950748.000 | 360.000 | 3.277  | 21.959 | 149863.189 | 137884.728 | -8.687  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 28 Oct 2025 20:03 |
| Client Sample ID: |                       | Operator:          | YP/AJ             |
| Data file:        | FC070069.D            | Misc:              |                   |
| Instrument:       | FID_C                 | ALS Vial:          | 3                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.277  | 6.572  | 8739229.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.573  | 9.973  | 6704236.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 9.974  | 13.340 | 10274461.000 | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.341 | 17.005 | 12726090.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.006 | 21.959 | 15506732.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.277  | 21.959 | 53950748.000 | 360.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
 Data File : FC070069.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 20:03  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/29/2025  
 Supervised By :Sohil Jodhani 10/29/2025

Integration File: autoint1.e  
 Quant Time: Oct 29 07:49:54 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:35:40 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)    | 11.639 | 3639258    | 20.724 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 41.45%        |
| 12) S 1-chlorooctadecane (S... | 13.074 | 2878784    | 21.208 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 42.42%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.379  | 2706831    | 19.712 ug/ml  |
| 2) T n-Decane (C10)            | 4.450  | 2917678    | 20.295 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.043  | 3228357    | 19.975 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.472  | 3114720    | 20.321 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.102  | 3184749    | 19.961 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.270  | 3243685    | 20.395 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.873  | 3460551    | 20.535 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.317 | 3559020    | 20.919 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.627 | 3405462    | 21.227 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.240 | 3309979    | 21.317 ug/ml  |
| 13) T n-Docosane (C22)         | 13.827 | 3296121    | 21.418 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.931 | 3254433    | 21.463 ug/ml  |
| 15) T n-Hexacosane (C26)       | 15.954 | 3120513    | 21.559 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.905 | 3055023    | 22.089 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.794 | 3269745    | 23.948 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.627 | 3214076    | 24.928 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.411 | 2846171    | 24.945 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.152 | 2324139    | 24.032 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.909 | 2029295    | 23.283 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.858 | 1823306    | 22.191 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
Data File : FC070069.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 20:03  
Operator : YP/AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

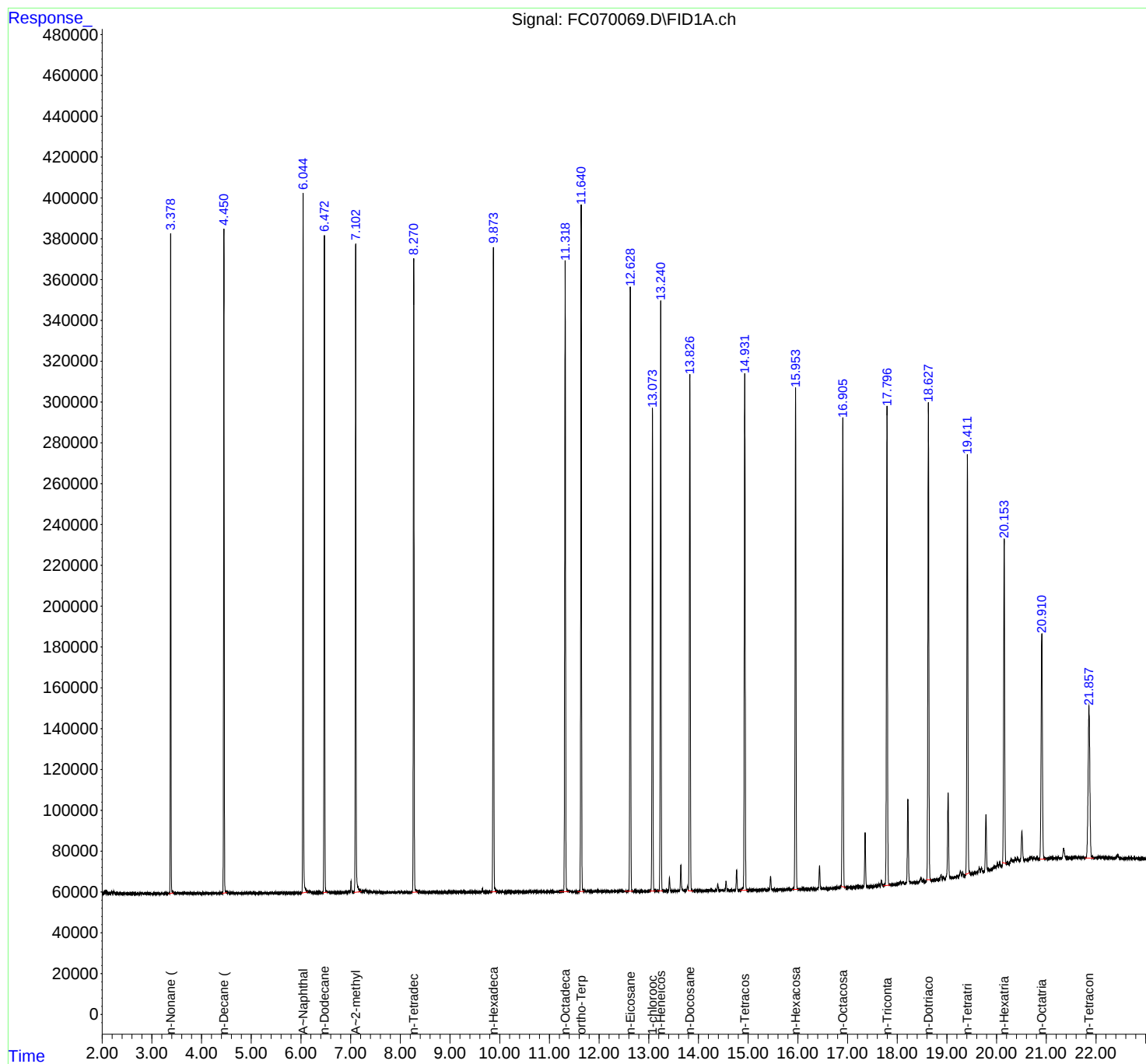
Instrument :  
FID\_C  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025

Integration File: autoint1.e  
Quant Time: Oct 29 07:49:54 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:35:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



rtres

Instrument :  
FID\_C  
LabSampleId :  
20 PPM ALIPHATIC HC STD  
Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC10282  
Data File : FC070069.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 20:03  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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                       | 3.379       | 3.347        | 3.440      | BB       | 323139         | 2706831      | 74.38%         | 4.043%        |
| 2                       | 4.450       | 4.413        | 4.512      | BB       | 326240         | 2917678      | 80.17%         | 4.358%        |
| 3                       | 6.043       | 6.013        | 6.140      | BB       | 341854         | 3228357      | 88.71%         | 4.822%        |
| 4                       | 6.472       | 6.437        | 6.533      | BB       | 321804         | 3114720      | 85.59%         | 4.652%        |
| 5                       | 7.102       | 7.062        | 7.215      | BB       | 317868         | 3184749      | 87.51%         | 4.757%        |
| 6                       | 8.270       | 8.235        | 8.355      | BB       | 310697         | 3243685      | 89.13%         | 4.845%        |
| 7                       | 9.873       | 9.815        | 9.940      | BB       | 315836         | 3460551      | 95.09%         | 5.169%        |
| 8                       | 11.317      | 11.198       | 11.393     | BB       | 307561         | 3559020      | 97.80%         | 5.316%        |
| 9                       | 11.639      | 11.570       | 11.703     | BB       | 337964         | 3639258      | 100.00%        | 5.436%        |
| 10                      | 12.627      | 12.522       | 12.682     | BB       | 296675         | 3405462      | 93.58%         | 5.086%        |
| 11                      | 13.074      | 13.015       | 13.130     | BB       | 234021         | 2878784      | 79.10%         | 4.300%        |
| 12                      | 13.240      | 13.170       | 13.285     | BB       | 288581         | 3309979      | 90.95%         | 4.944%        |
| 13                      | 13.827      | 13.795       | 13.888     | VB       | 252907         | 3296121      | 90.57%         | 4.923%        |
| 14                      | 14.931      | 14.843       | 14.995     | BB       | 253514         | 3254433      | 89.43%         | 4.861%        |
| 15                      | 15.954      | 15.892       | 16.010     | BB       | 245303         | 3120513      | 85.75%         | 4.661%        |
| 16                      | 16.905      | 16.870       | 16.967     | BB       | 230021         | 3055023      | 83.95%         | 4.563%        |
| 17                      | 17.794      | 17.720       | 17.855     | BB       | 234930         | 3269745      | 89.85%         | 4.884%        |
| 18                      | 18.627      | 18.590       | 18.700     | BB       | 233995         | 3236312      | 88.93%         | 4.834%        |
| 19                      | 19.412      | 19.352       | 19.492     | BB       | 205525         | 2893396      | 79.51%         | 4.322%        |
| 20                      | 20.152      | 20.120       | 20.198     | BV       | 158099         | 2324139      | 63.86%         | 3.471%        |
| 21                      | 20.909      | 20.860       | 20.983     | BB       | 110049         | 2029295      | 55.76%         | 3.031%        |
| 22                      | 21.858      | 21.773       | 21.960     | BB       | 74247          | 1823306      | 50.10%         | 2.723%        |
| Sum of corrected areas: |             |              |            |          |                | 66951357     |                |               |

Aliphatic EPH 100725.M Wed Oct 29 08:09:47 2025

Continuing Calibration Report for SequenceID : FE102825AL

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

File ID : FE056535.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 8834642.000  | 60.000  | 3.240  | 6.866  | 147244.033 | 165077.549 | 10.803 |
| Aliphatic C12-C16 | 6204014.000  | 40.000  | 6.867  | 10.314 | 155100.350 | 170545.538 | 9.056  |
| Aliphatic C16-C21 | 9180601.000  | 60.000  | 10.315 | 13.690 | 153010.017 | 178637.984 | 14.346 |
| Aliphatic C21-C28 | 11664918.000 | 80.000  | 13.691 | 17.361 | 145811.475 | 179089.210 | 18.582 |
| Aliphatic C28-C40 | 15384362.000 | 120.000 | 17.362 | 22.315 | 128203.017 | 138802.798 | 7.637  |
| Aliphatic EPH     | 51268537.000 | 360.000 | 3.240  | 22.315 | 142412.603 | 162300.628 | 12.254 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 28 Oct 2025 12:49 |
| Client Sample ID: |                       | Operator:          | YP\AJ             |
| Data file:        | FE056535.D            | Misc:              |                   |
| Instrument:       | FID_E                 | ALS Vial:          | 4                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.240  | 6.866  | 8834642.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.867  | 10.314 | 6204014.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.315 | 13.690 | 9180601.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.691 | 17.361 | 11664918.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.362 | 22.315 | 15384362.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.240  | 22.315 | 51268537.000 | 360.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102825AL\  
 Data File : FE056535.D  
 Signal(s) : FID1B.ch  
 Acq On : 28 Oct 2025 12:49  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/29/2025  
 Supervised By :Sohil Jodhani 10/29/2025

Integration File: sample.E  
 Quant Time: Oct 29 04:07:11 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 Qlast Update : Tue Oct 28 14:34:40 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)    | 11.982 | 3448368    | 16.880 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 33.76%        |
| 12) S 1-chlorooctadecane (S... | 13.422 | 2555657    | 16.750 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 33.50%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.339  | 2729136    | 16.743 ug/ml  |
| 2) T n-Decane (C10)            | 4.592  | 2990171    | 18.183 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.305  | 3126080    | 17.684 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.765  | 3115335    | 18.568 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.405  | 2997862    | 17.992 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.599  | 3058698    | 18.411 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.213 | 3145316    | 17.978 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.661 | 3189250    | 17.484 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.975 | 3033134    | 17.035 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.589 | 2958217    | 16.861 ug/ml  |
| 13) T n-Docosane (C22)         | 14.176 | 2948359    | 16.656 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.283 | 2953291    | 16.232 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.307 | 2896945    | 16.138 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.260 | 2866323    | 16.112 ug/mlm |
| 17) T n-Tricontane (C30)       | 18.148 | 3053784    | 16.820 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.982 | 3092706    | 17.542 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.768 | 2732577    | 17.652 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.510 | 2350791    | 18.816 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.264 | 2125238    | 20.341 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.210 | 2029266    | 22.363 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102825AL\  
Data File : FE056535.D  
Signal(s) : FID1B.ch  
Acq On : 28 Oct 2025 12:49  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

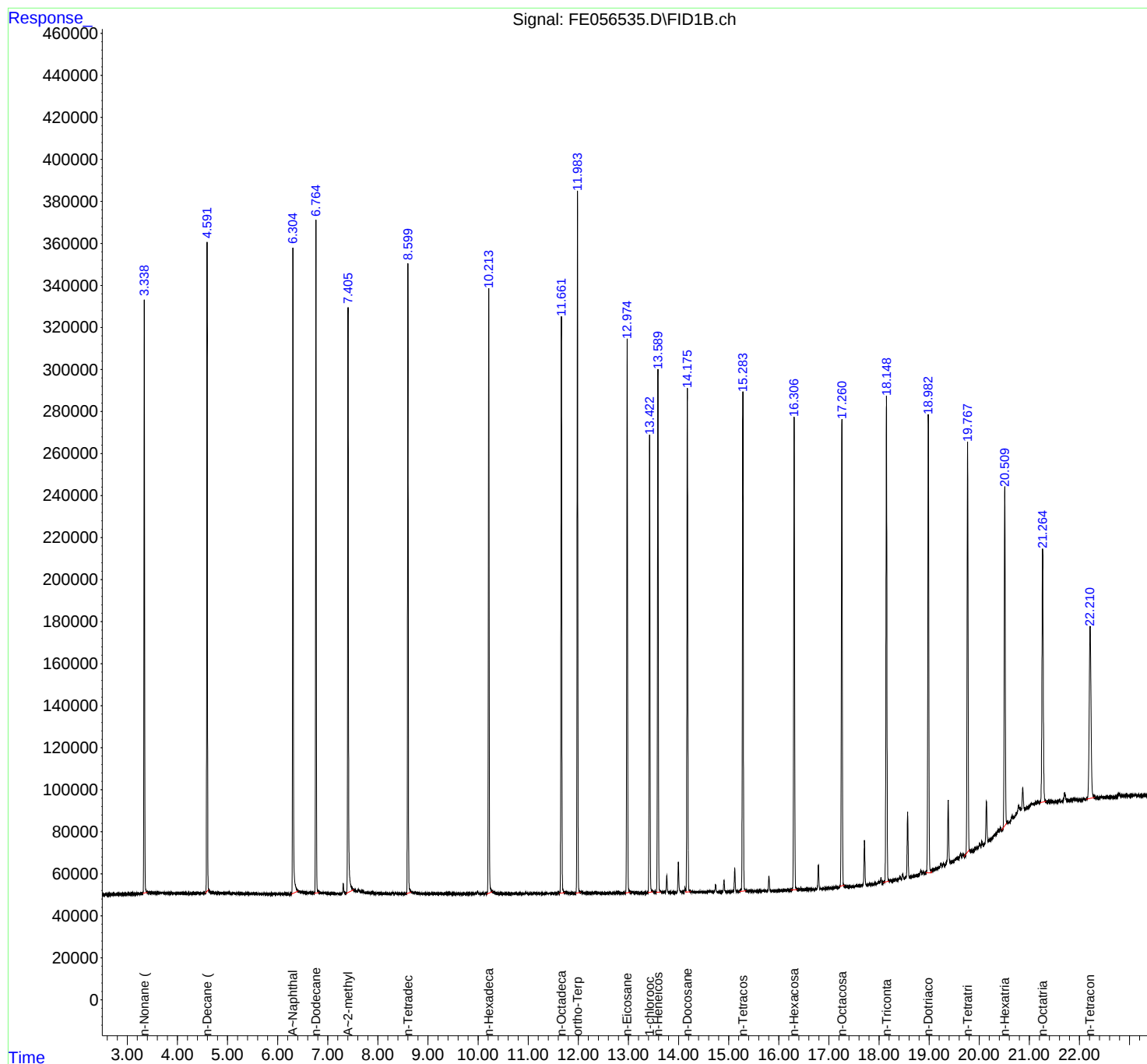
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/29/2025  
Supervised By :Sohil Jodhani 10/29/2025

Integration File: sample.E  
Quant Time: Oct 29 04:07:11 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 28 14:34:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Continuing Calibration Report for SequenceID : FE102825AL

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

File ID : FE056550.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 9003004.000  | 60.000  | 3.240  | 6.866  | 150050.067 | 165077.549 | 9.103  |
| Aliphatic C12-C16 | 6242994.000  | 40.000  | 6.867  | 10.314 | 156074.850 | 170545.538 | 8.485  |
| Aliphatic C16-C21 | 9090420.000  | 60.000  | 10.315 | 13.690 | 151507.000 | 178637.984 | 15.188 |
| Aliphatic C21-C28 | 11600360.000 | 80.000  | 13.691 | 17.361 | 145004.500 | 179089.210 | 19.032 |
| Aliphatic C28-C40 | 15724890.000 | 120.000 | 17.362 | 22.315 | 131040.750 | 138802.798 | 5.592  |
| Aliphatic EPH     | 51661668.000 | 360.000 | 3.240  | 22.315 | 143504.633 | 162300.628 | 11.581 |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 28 Oct 2025 21:27 |
| Client Sample ID: |                       | Operator:          | YP\AJ             |
| Data file:        | FE056550.D            | Misc:              |                   |
| Instrument:       | FID_E                 | ALS Vial:          | 4                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.240  | 6.866  | 9003004.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.867  | 10.314 | 6242994.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.315 | 13.690 | 9090420.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.691 | 17.361 | 11600360.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.362 | 22.315 | 15724890.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.240  | 22.315 | 51661668.000 | 360.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102825AL\  
 Data File : FE056550.D  
 Signal(s) : FID1B.ch  
 Acq On : 28 Oct 2025 21:27  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/29/2025  
 Supervised By :Sohil Jodhani 10/29/2025

Integration File: sample.E  
 Quant Time: Oct 29 04:24:33 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 Qlast Update : Tue Oct 28 14:34:40 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)    | 11.982 | 3396318    | 16.625 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 33.25%        |
| 12) S 1-chlorooctadecane (S... | 13.422 | 2552046    | 16.726 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 33.45%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.338  | 2777587    | 17.040 ug/ml  |
| 2) T n-Decane (C10)            | 4.591  | 3065438    | 18.640 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.304  | 3176624    | 17.970 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.764  | 3159979    | 18.834 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.404  | 3048337    | 18.295 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.599  | 3085961    | 18.575 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.213 | 3157033    | 18.044 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.660 | 3173350    | 17.396 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.974 | 2999920    | 16.849 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.588 | 2917150    | 16.627 ug/ml  |
| 13) T n-Docosane (C22)         | 14.176 | 2905811    | 16.416 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.283 | 2935958    | 16.137 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.307 | 2884013    | 16.066 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.259 | 2874578    | 16.159 ug/mlm |
| 17) T n-Tricontane (C30)       | 18.149 | 3079640    | 16.962 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.982 | 3106010    | 17.618 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.769 | 2788347    | 18.013 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.509 | 2430703    | 19.456 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.264 | 2200803    | 21.064 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.210 | 2119387    | 23.356 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102825AL\  
Data File : FE056550.D  
Signal(s) : FID1B.ch  
Acq On : 28 Oct 2025 21:27  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

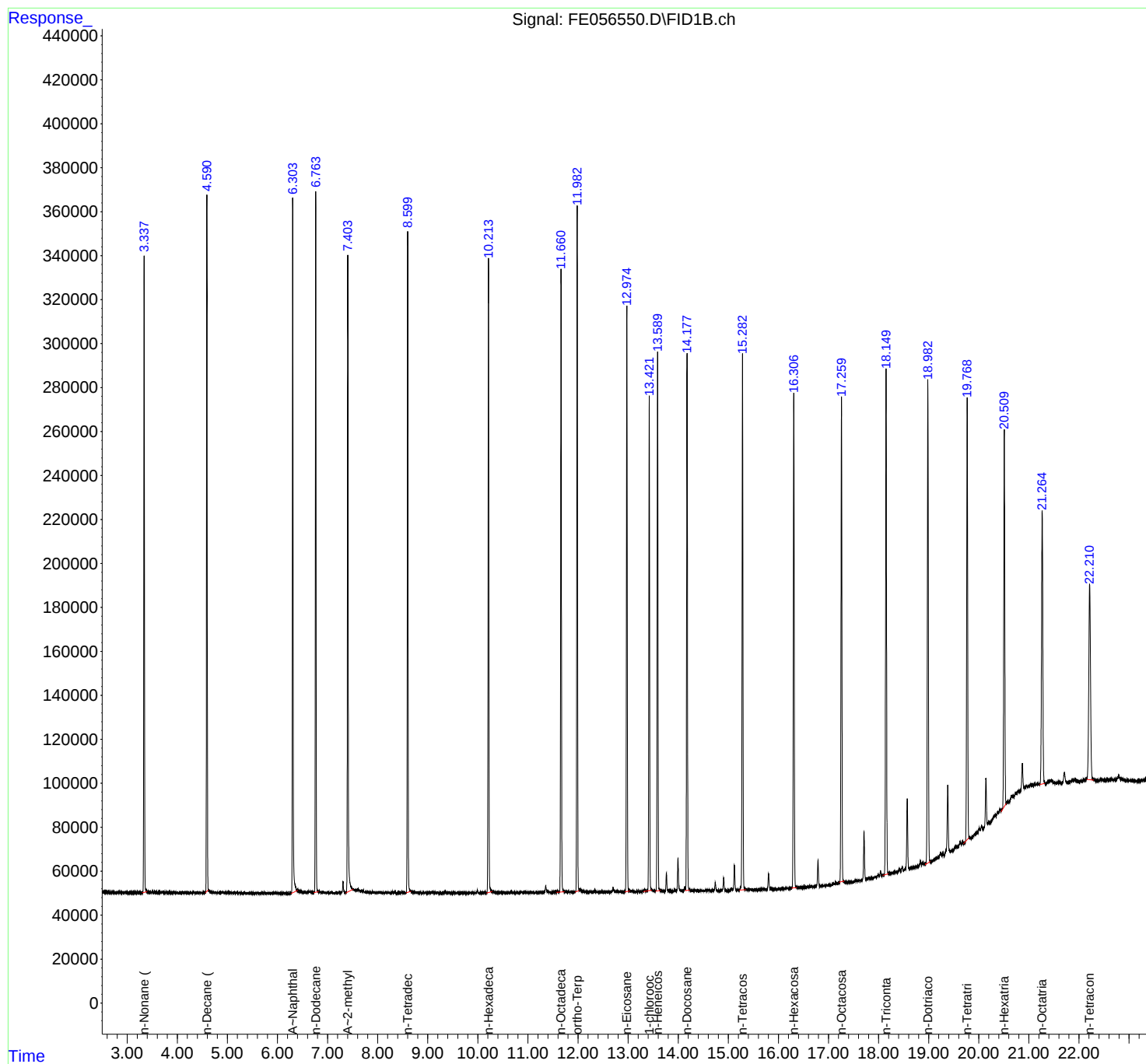
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 10/29/2025  
Supervised By : Sohil Jodhani 10/29/2025

Integration File: sample.E  
Quant Time: Oct 29 04:24:33 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 28 14:34:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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



Continuing Calibration Report for SequenceID : FE102925AL

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

File ID : FE056553.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 9228143.000  | 60.000  | 3.236  | 6.863  | 153802.383 | 165077.549 | 6.830  |
| Aliphatic C12-C16 | 6410010.000  | 40.000  | 6.864  | 10.312 | 160250.250 | 170545.538 | 6.037  |
| Aliphatic C16-C21 | 9399409.000  | 60.000  | 10.313 | 13.688 | 156656.817 | 178637.984 | 12.305 |
| Aliphatic C21-C28 | 12031721.000 | 80.000  | 13.689 | 17.359 | 150396.513 | 179089.210 | 16.021 |
| Aliphatic C28-C40 | 16094269.000 | 120.000 | 17.360 | 22.313 | 134118.908 | 138802.798 | 3.374  |
| Aliphatic EPH     | 53163552.000 | 360.000 | 3.236  | 22.313 | 147676.533 | 162300.628 | 9.010  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 29 Oct 2025 07:23 |
| Client Sample ID: |                       | Operator:          | YP\AJ             |
| Data file:        | FE056553.D            | Misc:              |                   |
| Instrument:       | FID_E                 | ALS Vial:          | 4                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.236  | 6.863  | 9228143.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.864  | 10.312 | 6410010.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.313 | 13.688 | 9399409.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.689 | 17.359 | 12031721.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.360 | 22.313 | 16094269.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.236  | 22.313 | 53163552.000 | 360.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102925AL\  
 Data File : FE056553.D  
 Signal(s) : FID1B.ch  
 Acq On : 29 Oct 2025 07:23  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/30/2025  
 Supervised By :Sohil Jodhani 10/30/2025

Integration File: sample.E  
 Quant Time: Oct 30 01:23:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 28 14:34:40 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)    | 11.981 | 3522336    | 17.242 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.48%        |
| 12) S 1-chlorooctadecane (S... | 13.421 | 2619265    | 17.166 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.33%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.336  | 2843948    | 17.448 ug/ml  |
| 2) T n-Decane (C10)            | 4.589  | 3142152    | 19.107 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.303  | 3260690    | 18.445 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.763  | 3242043    | 19.323 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.403  | 3125929    | 18.760 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.598  | 3167016    | 19.063 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.212 | 3242994    | 18.536 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.660 | 3272196    | 17.938 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.974 | 3102786    | 17.426 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.588 | 3024427    | 17.238 ug/ml  |
| 13) T n-Docosane (C22)         | 14.176 | 3018296    | 17.051 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.282 | 3036176    | 16.688 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.306 | 2989119    | 16.652 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.259 | 2988130    | 16.797 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.148 | 3174195    | 17.483 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.983 | 3194119    | 18.118 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.768 | 2853951    | 18.436 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.509 | 2463377    | 19.717 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.266 | 2239163    | 21.431 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.213 | 2169464    | 23.908 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102925AL\  
Data File : FE056553.D  
Signal(s) : FID1B.ch  
Acq On : 29 Oct 2025 07:23  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

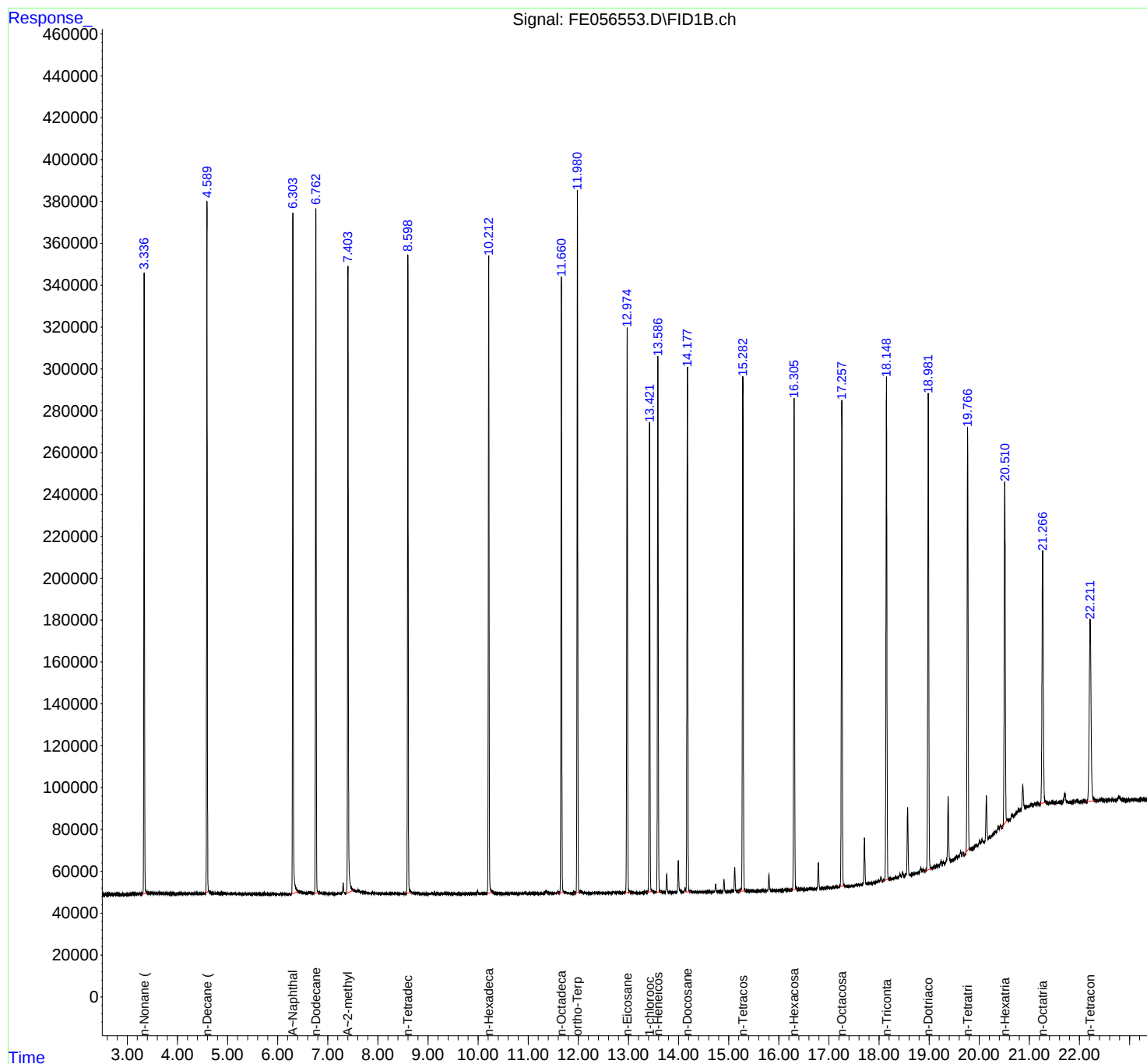
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/30/2025  
Supervised By :Sohil Jodhani 10/30/2025

Integration File: sample.E  
Quant Time: Oct 30 01:23:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 28 14:34:40 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

Instrument :  
FID\_E  
LabSampleId :  
20 PPM ALIPHATIC HC STD  
Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE10292  
Data File : FE056553.D  
Signal(s) : FID1B.ch  
Acq On : 29 Oct 2025 07:23  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/30/2025  
Supervised By :Sohil Jodhani 10/30/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Title : GC Extractables

Signal : FID1B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.336       | 3.295        | 3.395      | BB       | 295988         | 2843948      | 80.74%         | 4.328%        |
| 2                       | 4.589       | 4.557        | 4.619      | BBA      | 329152         | 3142152      | 89.21%         | 4.781%        |
| 3                       | 6.303       | 6.273        | 6.405      | BB       | 325525         | 3260690      | 92.57%         | 4.962%        |
| 4                       | 6.763       | 6.722        | 6.820      | BB       | 326176         | 3242043      | 92.04%         | 4.933%        |
| 5                       | 7.403       | 7.362        | 7.512      | BB       | 298586         | 3125929      | 88.75%         | 4.757%        |
| 6                       | 8.598       | 8.563        | 8.660      | BB       | 304606         | 3167016      | 89.91%         | 4.819%        |
| 7                       | 10.212      | 10.177       | 10.285     | BB       | 304433         | 3242994      | 92.07%         | 4.935%        |
| 8                       | 11.660      | 11.565       | 11.718     | BB       | 294099         | 3272196      | 92.90%         | 4.979%        |
| 9                       | 11.981      | 11.922       | 12.030     | BB       | 334842         | 3522336      | 100.00%        | 5.360%        |
| 10                      | 12.974      | 12.935       | 13.028     | BB       | 267910         | 3102786      | 88.09%         | 4.722%        |
| 11                      | 13.421      | 13.367       | 13.477     | BB       | 224765         | 2619265      | 74.36%         | 3.986%        |
| 12                      | 13.588      | 13.550       | 13.643     | BB       | 256422         | 3024427      | 85.86%         | 4.602%        |
| 13                      | 14.176      | 14.145       | 14.237     | VB       | 250301         | 3018296      | 85.69%         | 4.593%        |
| 14                      | 15.282      | 15.200       | 15.340     | BB       | 243625         | 3036176      | 86.20%         | 4.620%        |
| 15                      | 16.306      | 16.242       | 16.372     | BB       | 233185         | 2989119      | 84.86%         | 4.549%        |
| 16                      | 17.259      | 17.200       | 17.299     | BBA      | 231859         | 2988130      | 84.83%         | 4.547%        |
| 17                      | 18.148      | 18.085       | 18.198     | BB       | 240246         | 3174195      | 90.12%         | 4.830%        |
| 18                      | 18.983      | 18.920       | 19.042     | BB       | 225518         | 3194119      | 90.68%         | 4.860%        |
| 19                      | 19.768      | 19.700       | 19.799     | BBA      | 197965         | 2853951      | 81.02%         | 4.343%        |
| 20                      | 20.509      | 20.450       | 20.549     | BBA      | 162817         | 2463377      | 69.94%         | 3.749%        |
| 21                      | 21.266      | 21.212       | 21.327     | M        | 121160         | 2263500      | 64.26%         | 3.444%        |
| 22                      | 22.213      | 22.128       | 22.317     | BB       | 86548          | 2169464      | 61.59%         | 3.301%        |
| Sum of corrected areas: |             |              |            |          |                |              | 65716111       |               |

Aliphatic EPH 101725.M Thu Oct 30 01:54:54 2025

Continuing Calibration Report for SequenceID : FE102925AL

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

File ID : FE056563.D

|                   |              |         |        |        |            |            |        |
|-------------------|--------------|---------|--------|--------|------------|------------|--------|
| Aliphatic C9-C12  | 9392853.000  | 60.000  | 3.236  | 6.863  | 156547.550 | 165077.549 | 5.167  |
| Aliphatic C12-C16 | 6554095.000  | 40.000  | 6.864  | 10.312 | 163852.375 | 170545.538 | 3.925  |
| Aliphatic C16-C21 | 9578653.000  | 60.000  | 10.313 | 13.688 | 159644.217 | 178637.984 | 10.633 |
| Aliphatic C21-C28 | 12186283.000 | 80.000  | 13.689 | 17.359 | 152328.538 | 179089.210 | 14.943 |
| Aliphatic C28-C40 | 16383631.000 | 120.000 | 17.360 | 22.313 | 136530.258 | 138802.798 | 1.637  |
| Aliphatic EPH     | 54095515.000 | 360.000 | 3.236  | 22.313 | 150265.319 | 162300.628 | 7.415  |

|                   |                       |                    |                   |
|-------------------|-----------------------|--------------------|-------------------|
| Lab Sample ID:    | 20 PPM ALIPHATIC HC 9 | Acq On:            | 29 Oct 2025 13:07 |
| Client Sample ID: |                       | Operator:          | YP\AJ             |
| Data file:        | FE056563.D            | Misc:              |                   |
| Instrument:       | FID_E                 | ALS Vial:          | 4                 |
| Dilution Factor:  | 1                     | Sample Multiplier: | 1.00              |

| Compound          | R.T.   |        | Response     | Conc    | Units |
|-------------------|--------|--------|--------------|---------|-------|
| Aliphatic C9-C12  | 3.236  | 6.863  | 9392853.000  | 60.000  | ug/ml |
| Aliphatic C12-C16 | 6.864  | 10.312 | 6554095.000  | 40.000  | ug/ml |
| Aliphatic C16-C21 | 10.313 | 13.688 | 9578653.000  | 60.000  | ug/ml |
| Aliphatic C21-C28 | 13.689 | 17.359 | 12186283.000 | 80.000  | ug/ml |
| Aliphatic C28-C40 | 17.360 | 22.313 | 16383631.000 | 120.000 | ug/ml |
| Aliphatic EPH     | 3.236  | 22.313 | 54095515.000 | 360.000 | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102925AL\  
 Data File : FE056563.D  
 Signal(s) : FID1B.ch  
 Acq On : 29 Oct 2025 13:07  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 FID\_E  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/30/2025  
 Supervised By :Sohil Jodhani 10/30/2025

Integration File: sample.E  
 Quant Time: Oct 30 01:26:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 28 14:34:40 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)    | 11.980 | 3575020    | 17.500 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.00%        |
| 12) S 1-chlorooctadecane (S... | 13.419 | 2670512    | 17.502 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.00%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.336  | 2884572    | 17.697 ug/ml  |
| 2) T n-Decane (C10)            | 4.589  | 3196658    | 19.438 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.302  | 3323179    | 18.799 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.761  | 3311623    | 19.738 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.402  | 3195022    | 19.175 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.597  | 3235943    | 19.478 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.210 | 3318152    | 18.965 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.658 | 3347051    | 18.349 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.972 | 3157422    | 17.733 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.587 | 3074180    | 17.522 ug/ml  |
| 13) T n-Docosane (C22)         | 14.174 | 3061119    | 17.293 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.281 | 3072409    | 16.887 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.305 | 3025314    | 16.853 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.257 | 3027441    | 17.018 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.146 | 3224060    | 17.757 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.981 | 3243991    | 18.400 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.766 | 2921811    | 18.875 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.508 | 2518010    | 20.155 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.263 | 2280863    | 21.831 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.211 | 2194896    | 24.188 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE102925AL\  
Data File : FE056563.D  
Signal(s) : FID1B.ch  
Acq On : 29 Oct 2025 13:07  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

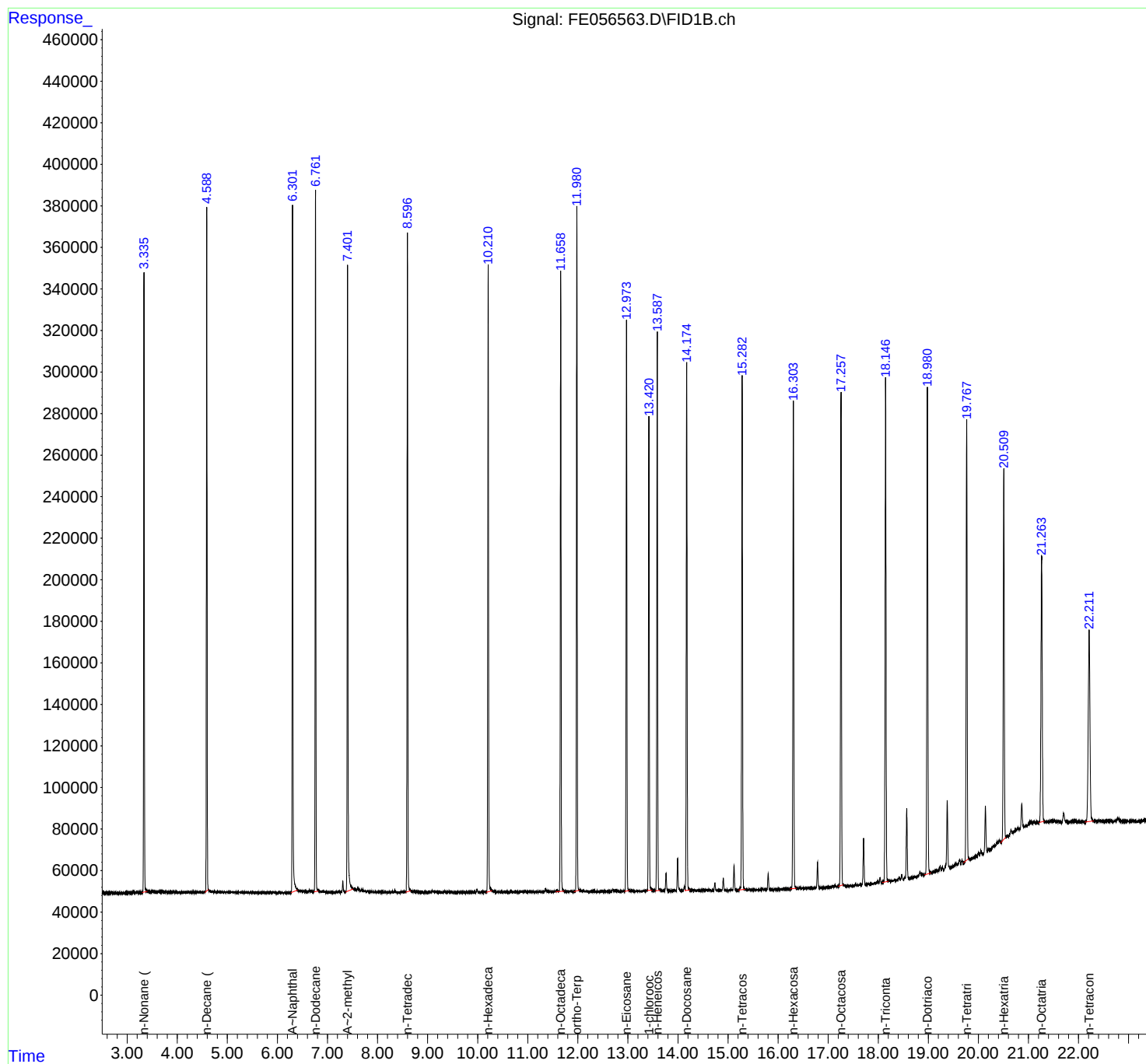
Instrument :  
FID\_E  
ClientSampleId :  
20 PPM ALIPHATIC HC STD

Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 10/30/2025  
Supervised By : Sohil Jodhani 10/30/2025

Integration File: sample.E  
Quant Time: Oct 30 01:26:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 28 14:34:40 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

Instrument :  
FID\_E  
LabSampleId :  
20 PPM ALIPHATIC HC STD  
Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE10292  
Data File : FE056563.D  
Signal(s) : FID1B.ch  
Acq On : 29 Oct 2025 13:07  
Sample : 20 PPM ALIPHATIC HC STD  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/30/2025  
Supervised By :Sohil Jodhani 10/30/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 101725.M  
Title : GC Extractables

Signal : FID1B.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.336       | 3.302        | 3.397      | BB       | 298237         | 2884572      | 80.69%         | 4.313%        |
| 2                       | 4.589       | 4.550        | 4.620      | BBA      | 328941         | 3196658      | 89.42%         | 4.779%        |
| 3                       | 6.302       | 6.265        | 6.405      | BB       | 330620         | 3323179      | 92.96%         | 4.968%        |
| 4                       | 6.761       | 6.729        | 6.819      | BB       | 337361         | 3311623      | 92.63%         | 4.951%        |
| 5                       | 7.402       | 7.364        | 7.514      | BB       | 300127         | 3195022      | 89.37%         | 4.777%        |
| 6                       | 8.597       | 8.559        | 8.664      | BB       | 316284         | 3235943      | 90.52%         | 4.838%        |
| 7                       | 10.210      | 10.167       | 10.285     | BB       | 302279         | 3318152      | 92.81%         | 4.961%        |
| 8                       | 11.658      | 11.562       | 11.725     | BB       | 297448         | 3347051      | 93.62%         | 5.004%        |
| 9                       | 11.980      | 11.920       | 12.032     | BB       | 329274         | 3575020      | 100.00%        | 5.345%        |
| 10                      | 12.972      | 12.934       | 13.030     | BB       | 274117         | 3157422      | 88.32%         | 4.721%        |
| 11                      | 13.419      | 13.382       | 13.482     | BB       | 225554         | 2670512      | 74.70%         | 3.993%        |
| 12                      | 13.587      | 13.547       | 13.642     | BB       | 269962         | 3074180      | 85.99%         | 4.596%        |
| 13                      | 14.174      | 14.142       | 14.234     | VB       | 254010         | 3061119      | 85.63%         | 4.577%        |
| 14                      | 15.281      | 15.215       | 15.339     | BB       | 248392         | 3072409      | 85.94%         | 4.594%        |
| 15                      | 16.305      | 16.242       | 16.369     | BB       | 235130         | 3025314      | 84.62%         | 4.523%        |
| 16                      | 17.257      | 17.200       | 17.300     | BBA      | 236905         | 3027441      | 84.68%         | 4.526%        |
| 17                      | 18.146      | 18.080       | 18.200     | BB       | 240439         | 3224060      | 90.18%         | 4.820%        |
| 18                      | 18.981      | 18.920       | 19.045     | BB       | 233835         | 3243991      | 90.74%         | 4.850%        |
| 19                      | 19.766      | 19.700       | 19.800     | BBA      | 208594         | 2921811      | 81.73%         | 4.368%        |
| 20                      | 20.508      | 20.447       | 20.550     | BBA      | 179092         | 2518010      | 70.43%         | 3.765%        |
| 21                      | 21.263      | 21.217       | 21.331     | M        | 128567         | 2307519      | 64.55%         | 3.450%        |
| 22                      | 22.211      | 22.129       | 22.302     | BB       | 92211          | 2194896      | 61.40%         | 3.282%        |
| Sum of corrected areas: |             |              |            |          |                | 66885904     |                |               |

Aliphatic EPH 101725.M Thu Oct 30 01:55:59 2025



# QC SAMPLE DATA

## Report of Analysis

|                    |                          |                 |        |
|--------------------|--------------------------|-----------------|--------|
| Client:            | HDR, Inc.                | Date Collected: |        |
| Project:           | PVWC Linear Construction | Date Received:  |        |
| Client Sample ID:  | PB170266BL               | SDG No.:        | Q3466  |
| Lab Sample ID:     | PB170266BL               | Matrix:         | Solid  |
| Analytical Method: | NJEPH                    | % Solid:        | 100    |
| Sample Wt/Vol:     | 30.01 g                  | Test:           | EPH_NF |
| Prep Method :      |                          |                 |        |
|                    | Final Vol: 2000 uL       |                 |        |
|                    | Prep Date : 10/28/25     |                 |        |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 1.18  | U    | 1  | 1.18 | 2.00       | mg/kg | FC070060.D | 10/28/25 13:19 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 0.91  | U    | 1  | 0.91 | 4.00       | mg/kg | FC070060.D | 10/28/25 13:19 | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 2.09  | U    |    | 2.09 | 6.00       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 2.09  | U    |    | 2.09 | 6.00       | mg/kg |            |                |              |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: |          |
| Project:           | PVWC Linear Construction | Date Received:  |          |
| Client Sample ID:  | PB170266BL               | SDG No.:        | Q3466    |
| Lab Sample ID:     | PB170266BL               | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 100      |
| Sample Wt/Vol:     | 30.01 g                  | Final Vol:      | 2000 uL  |
| Prep Method :      |                          | Prep Date       | 10/28/25 |
|                    |                          | Test:           | EPH_NF   |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 0.91  | U    | 1  | 0.91     | 4.00       | mg/kg   | 10/28/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 1.18  | U    | 1  | 1.18     | 2.00       | mg/kg   | 10/28/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 38.0  |      |    | 40 - 140 | 76%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 37.2  |      |    | 40 - 140 | 74%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB170266BL | Acq On:            | 28 Oct 2025 13:19 |
| Client Sample ID: | PB170266BL | Operator:          | YP/AJ             |
| Data file:        | FC070060.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          | 3.277  | 6.572  | 0        | 0     | 300              | ug/ml |
| Aliphatic C12-C16         | 6.573  | 9.973  | 0        | 0     | 200              | ug/ml |
| Aliphatic C16-C21         | 9.974  | 13.340 | 0        | 0     | 300              | ug/ml |
| Aliphatic C21-C28         | 13.341 | 17.005 | 0        | 0     | 400              | ug/ml |
| Aliphatic C28-C40         | 17.006 | 21.959 | 0        | 0     | 600              | ug/ml |
| Aliphatic EPH             | 3.277  | 21.959 | 0        | 0     |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.642 | 11.642 | 6533927  | 37.21 |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.077 | 13.077 | 5156082  | 37.98 |                  | ug/ml |
| Aliphatic C9-C28          | 3.277  | 17.005 | 0        | 0     | 1200             | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
 Data File : FC070060.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 13:19  
 Operator : YP/AJ  
 Sample : PB170266BL  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 PB170266BL

Integration File: autoint1.e  
 Quant Time: Oct 29 03:45:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:35:40 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)    | 11.642 | 6533927    | 37.208 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 74.42%       |
| 12) S 1-chlorooctadecane (S... | 13.077 | 5156082    | 37.984 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 75.97%       |

Target Compounds

(f)=RT Delta > 1/2 Window

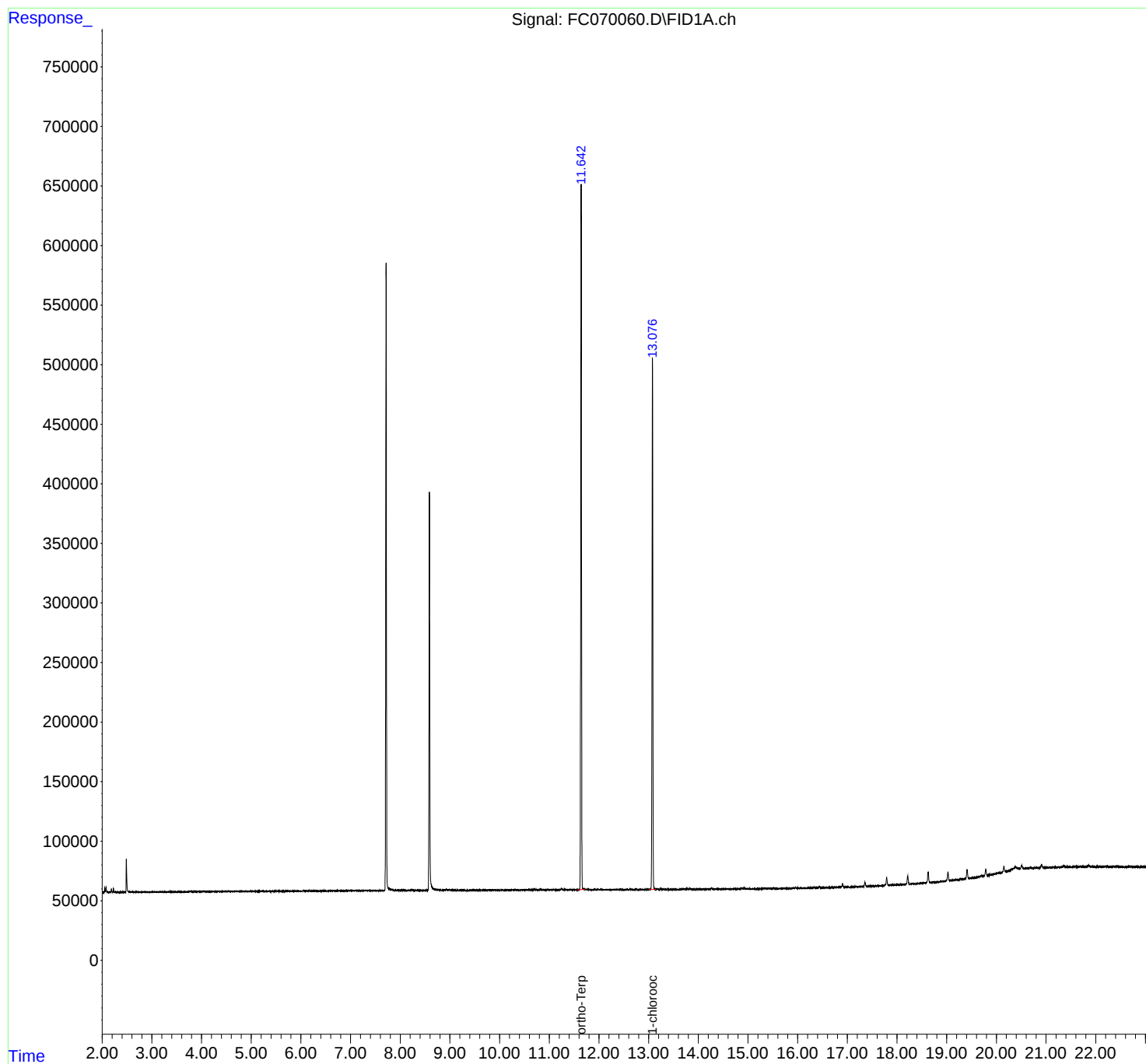
(m)=manual int.

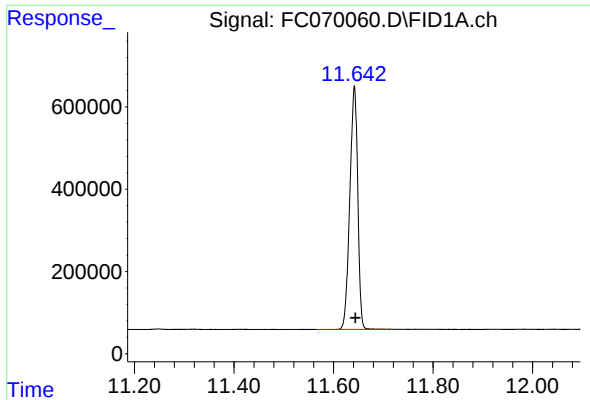
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
Data File : FC070060.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 13:19  
Operator : YP/AJ  
Sample : PB170266BL  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB170266BL

Integration File: autoint1.e  
Quant Time: Oct 29 03:45:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:35:40 2025  
Response via : Initial Calibration  
Integrator: ChemStation

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

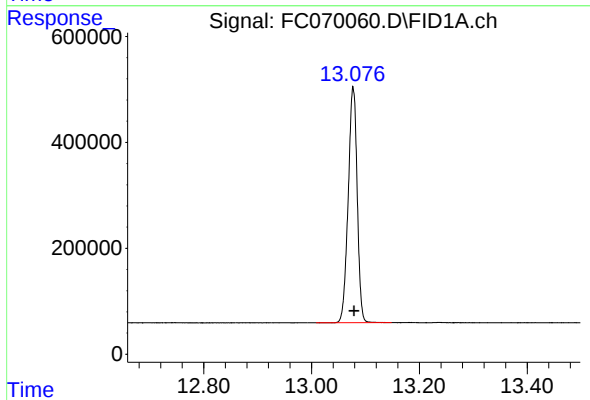




#9 ortho-Terphenyl (SURR)

R.T.: 11.642 min  
Delta R.T.: -0.002 min  
Response: 6533927  
Conc: 37.21 ug/ml

Instrument :  
FID\_C  
ClientSampleId :  
PB170266BL



#12 1-chlorooctadecane (SURR)

R.T.: 13.077 min  
Delta R.T.: -0.002 min  
Response: 5156082  
Conc: 37.98 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
Data File : FC070060.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 13:19  
Sample : PB170266BL  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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                       | 11.642      | 11.565       | 11.717     | BB       | 592865         | 6533927      | 100.00%        | 55.893%       |
| 2                       | 13.077      | 13.008       | 13.148     | BB       | 445378         | 5156082      | 78.91%         | 44.107%       |
| Sum of corrected areas: |             |              |            |          |                |              | 11690009       |               |

Aliphatic EPH 100725.M Wed Oct 29 05:04:23 2025

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: |          |
| Project:           | PVWC Linear Construction | Date Received:  |          |
| Client Sample ID:  | PB170266BS               | SDG No.:        | Q3466    |
| Lab Sample ID:     | PB170266BS               | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 100      |
| Sample Wt/Vol:     | 30.03 g                  | Test:           | EPH_NF   |
| Prep Method :      |                          | Final Vol:      | 2000 uL  |
|                    |                          | Prep Date :     | 10/28/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 28.0  |      | 1  | 1.18 | 2.00       | mg/kg | FC070061.D | 10/28/25 13:58 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 68.7  |      | 1  | 0.91 | 3.99       | mg/kg | FC070061.D | 10/28/25 13:58 | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 96.7  |      |    | 2.09 | 5.99       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 96.7  |      |    | 2.09 | 5.99       | mg/kg |            |                |              |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                          |            |                 |        |
|--------------------|--------------------------|------------|-----------------|--------|
| Client:            | HDR, Inc.                |            | Date Collected: |        |
| Project:           | PVWC Linear Construction |            | Date Received:  |        |
| Client Sample ID:  | PB170266BS               |            | SDG No.:        | Q3466  |
| Lab Sample ID:     | PB170266BS               |            | Matrix:         | Solid  |
| Analytical Method: | NJEPH                    |            | % Solid:        | 100    |
| Sample Wt/Vol:     | 30.03 g                  | Final Vol: | 2000 uL         | Test:  |
| Prep Method :      |                          | Prep Date  | 10/28/25        | EPH_NF |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 68.7  | 1    |    | 0.91     | 3.99       | mg/kg   | 10/28/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 28.0  | 1    |    | 1.18     | 2.00       | mg/kg   | 10/28/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 38.9  |      |    | 40 - 140 | 78%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 37.5  |      |    | 40 - 140 | 75%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | PB170266BS | Acq On:            | 28 Oct 2025 13:58 |
| Client Sample ID: | PB170266BS | Operator:          | YP/AJ             |
| Data file:        | FC070061.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          | 3.277  | 6.572  | 27086070  | 187.078 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.573  | 9.973  | 38554021  | 235.398 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.974  | 13.340 | 43992052  | 271.647 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.341 | 17.005 | 49567846  | 336.87  | 400              | ug/ml |
| Aliphatic C28-C40         | 17.006 | 21.959 | 45168703  | 419.784 | 600              | ug/ml |
| Aliphatic EPH             | 3.277  | 21.959 | 204368692 | 1450    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.643 | 11.643 | 6583185   | 37.49   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.076 | 13.076 | 5277309   | 38.88   |                  | ug/ml |
| Aliphatic C9-C28          | 3.277  | 17.005 | 159199989 | 1030    | 1200             | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
 Data File : FC070061.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 13:58  
 Operator : YP/AJ  
 Sample : PB170266BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 PB170266BS

Integration File: autoint1.e  
 Quant Time: Oct 29 03:46:06 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:35:40 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)    | 11.643 | 6583185    | 37.489 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 74.98%       |
| 12) S 1-chlorooctadecane (S... | 13.076 | 5277309    | 38.877 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 77.75%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.387  | 4650479    | 33.867 ug/ml |
| 2) T n-Decane (C10)            | 4.455  | 5059400    | 35.193 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.046  | 6153980    | 38.078 ug/ml |
| 4) T n-Dodecane (C12)          | 6.474  | 5635226    | 36.765 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.105  | 5941085    | 37.236 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.274  | 6090686    | 38.296 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.875  | 6443448    | 38.235 ug/ml |
| 8) T n-Octadecane (C18)        | 11.320 | 6465010    | 38.001 ug/ml |
| 10) T n-Eicosane (C20)         | 12.631 | 6501061    | 40.522 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.244 | 6220754    | 40.063 ug/ml |
| 13) T n-Docosane (C22)         | 13.831 | 6083189    | 39.528 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.931 | 11419021   | 75.308 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.958 | 5570515    | 38.486 ug/ml |
| 16) T n-Octacosane (C28)       | 16.908 | 5285816    | 38.219 ug/ml |
| 17) T n-Tricontane (C30)       | 17.797 | 5235733    | 38.347 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.629 | 5101590    | 39.568 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.414 | 5187390    | 45.464 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.155 | 4854069    | 50.191 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.912 | 5009101    | 57.471 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.863 | 4904253    | 59.690 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

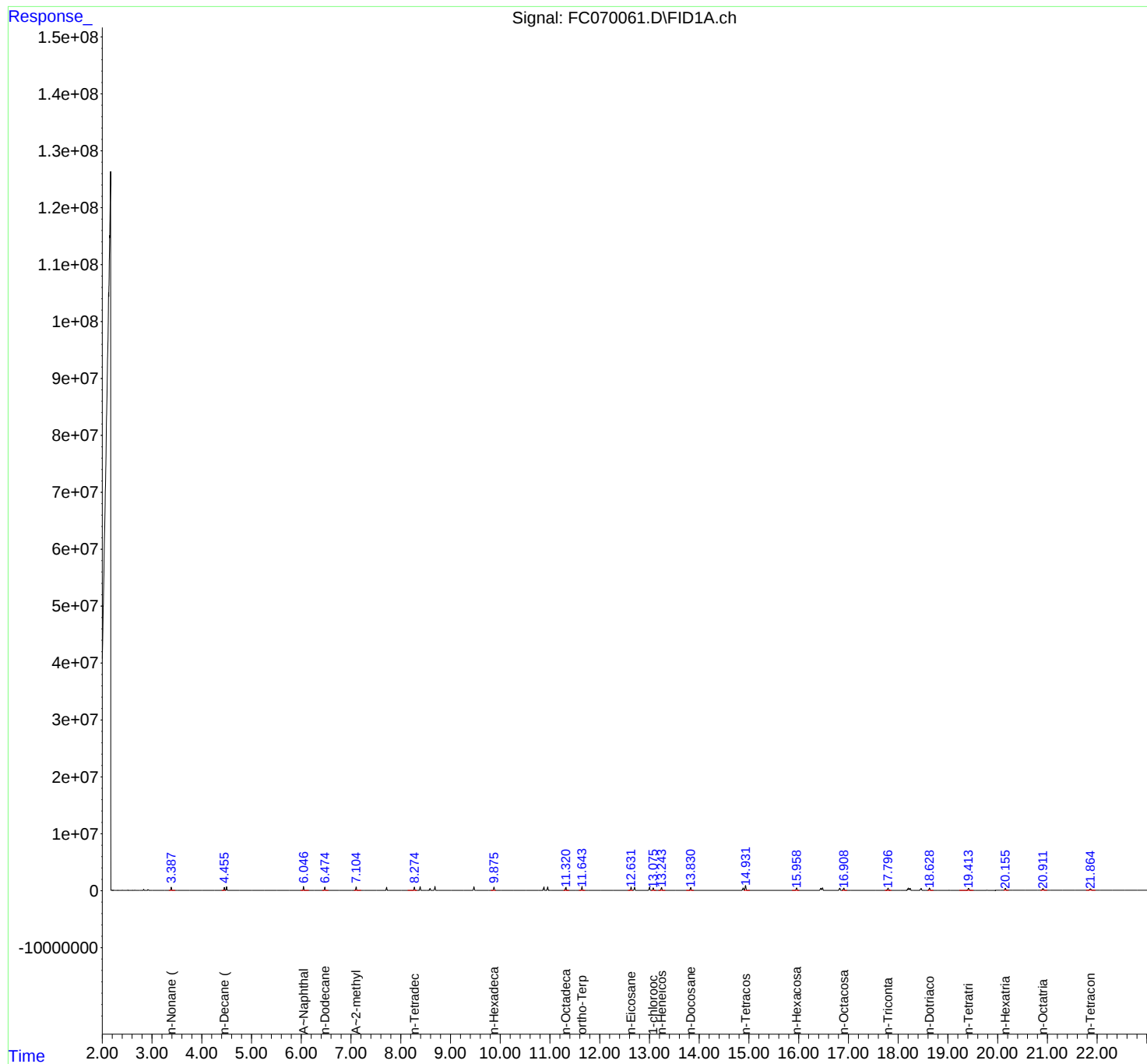
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
Data File : FC070061.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 13:58  
Operator : YP/AJ  
Sample : PB170266BS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB170266BS

Integration File: autoint1.e  
Quant Time: Oct 29 03:46:06 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:35:40 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\FC102825AL\  
 Data File : FC070061.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 13:58  
 Sample : PB170266BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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         | 3.387       | 3.337        | 3.467      | BB       | 558475         | 4650479      | 40.73%         | 2.151%        |
| 2         | 4.455       | 4.402        | 4.477      | BV       | 565217         | 5059400      | 44.31%         | 2.340%        |
| 3         | 4.500       | 4.477        | 4.543      | VV       | 636800         | 5586985      | 48.93%         | 2.584%        |
| 4         | 6.046       | 5.985        | 6.152      | BB       | 664107         | 6153980      | 53.89%         | 2.846%        |
| 5         | 6.474       | 6.420        | 6.547      | BB       | 577243         | 5635226      | 49.35%         | 2.606%        |
| 6         | 7.105       | 7.059        | 7.205      | BB       | 602491         | 5941085      | 52.03%         | 2.748%        |
| 7         | 8.274       | 8.140        | 8.327      | BB       | 565703         | 6090686      | 53.34%         | 2.817%        |
| 8         | 8.390       | 8.327        | 8.474      | BB       | 651603         | 6612135      | 57.90%         | 3.058%        |
| 9         | 8.688       | 8.655        | 8.787      | VB       | 661309         | 6711613      | 58.78%         | 3.104%        |
| 10        | 9.473       | 9.414        | 9.575      | BB       | 618682         | 6755054      | 59.16%         | 3.124%        |
| 11        | 9.875       | 9.809        | 9.909      | BV       | 583012         | 6443448      | 56.43%         | 2.980%        |
| 12        | 10.879      | 10.795       | 10.920     | BV       | 597536         | 6408272      | 56.12%         | 2.964%        |
| 13        | 10.955      | 10.920       | 11.054     | VB       | 580075         | 6363879      | 55.73%         | 2.943%        |
| 14        | 11.320      | 11.270       | 11.387     | BB       | 567160         | 6465010      | 56.62%         | 2.990%        |
| 15        | 11.643      | 11.580       | 11.709     | BB       | 597465         | 6583185      | 57.65%         | 3.045%        |
| 16        | 12.631      | 12.565       | 12.664     | BV       | 567190         | 6501061      | 56.93%         | 3.007%        |
| 17        | 12.701      | 12.664       | 12.789     | VB       | 533707         | 6044081      | 52.93%         | 2.795%        |
| 18        | 13.002      | 12.930       | 13.035     | BV       | 525382         | 5988995      | 52.45%         | 2.770%        |
| 19        | 13.076      | 13.035       | 13.135     | VB       | 445144         | 5277309      | 46.22%         | 2.441%        |
| 20        | 13.244      | 13.179       | 13.319     | BB       | 490391         | 6220754      | 54.48%         | 2.877%        |
| 21        | 13.831      | 13.740       | 13.892     | BB       | 511350         | 6083189      | 53.27%         | 2.813%        |
| 22        | 14.884      | 14.812       | 14.903     | BV       | 415063         | 5488473      | 48.06%         | 2.538%        |
| 23        | 14.931      | 14.903       | 15.020     | VB       | 856441         | 11419021     | 100.00%        | 5.281%        |
| 24        | 15.958      | 15.865       | 16.010     | BB       | 419343         | 5570515      | 48.78%         | 2.576%        |
| 25        | 16.446      | 16.370       | 16.461     | BV       | 369234         | 5307897      | 46.48%         | 2.455%        |
| 26        | 16.480      | 16.461       | 16.572     | VB       | 436828         | 5345003      | 46.81%         | 2.472%        |
| 27        | 16.827      | 16.754       | 16.869     | BBA      | 370479         | 5067932      | 44.38%         | 2.344%        |
| 28        | 16.908      | 16.870       | 16.974     | BB       | 397809         | 5285816      | 46.29%         | 2.445%        |
| 29        | 17.797      | 17.732       | 17.865     | BB       | 396781         | 5235733      | 45.85%         | 2.421%        |
| 30        | 18.205      | 18.120       | 18.219     | BV       | 365526         | 5187899      | 45.43%         | 2.399%        |
| 31        | 18.239      | 18.219       | 18.367     | VB       | 346456         | 4891594      | 42.84%         | 2.262%        |
| 32        | 18.462      | 18.380       | 18.572     | BB       | 331725         | 4797074      | 42.01%         | 2.219%        |
| 33        | 18.629      | 18.590       | 18.709     | BB       | 351973         | 5101590      | 44.68%         | 2.359%        |
| 34        | 19.414      | 19.229       | 19.515     | BB       | 351121         | 5187390      | 45.43%         | 2.399%        |
| 35        | 20.155      | 20.120       | 20.222     | BB       | 331684         | 4854069      | 42.51%         | 2.245%        |
| 36        | 20.912      | 20.860       | 20.995     | BB       | 274385         | 5009101      | 43.87%         | 2.317%        |

37 21.863 21.775 21.967 BB 192289 4904253 42.95% 2.268%  
Sum of corrected areas: 216229185

Aliphatic EPH 100725.M Wed Oct 29 05:05:41 2025

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: |          |
| Project:           | PVWC Linear Construction | Date Received:  |          |
| Client Sample ID:  | PB170266BSD              | SDG No.:        | Q3466    |
| Lab Sample ID:     | PB170266BSD              | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 100      |
| Sample Wt/Vol:     | 30.02 g                  | Test:           | EPH_NF   |
| Prep Method :      |                          | Final Vol:      | 2000 uL  |
|                    |                          | Prep Date :     | 10/28/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 28.8  |      | 1  | 1.18 | 2.00       | mg/kg | FC070062.D | 10/28/25 14:38 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 70.8  |      | 1  | 0.91 | 3.99       | mg/kg | FC070062.D | 10/28/25 14:38 | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 99.6  |      |    | 2.09 | 5.99       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 99.6  |      |    | 2.09 | 5.99       | mg/kg |            |                |              |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                          |            |                 |        |
|--------------------|--------------------------|------------|-----------------|--------|
| Client:            | HDR, Inc.                |            | Date Collected: |        |
| Project:           | PVWC Linear Construction |            | Date Received:  |        |
| Client Sample ID:  | PB170266BSD              |            | SDG No.:        | Q3466  |
| Lab Sample ID:     | PB170266BSD              |            | Matrix:         | Solid  |
| Analytical Method: | NJEPH                    |            | % Solid:        | 100    |
| Sample Wt/Vol:     | 30.02 g                  | Final Vol: | 2000 uL         | Test:  |
| Prep Method :      |                          | Prep Date  | 10/28/25        | EPH_NF |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 70.8  | 1    |    | 0.91     | 3.99       | mg/kg   | 10/28/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 28.8  | 1    |    | 1.18     | 2.00       | mg/kg   | 10/28/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 40.4  |      |    | 40 - 140 | 81%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 38.7  |      |    | 40 - 140 | 77%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | PB170266BSD | Acq On:            | 28 Oct 2025 14:38 |
| Client Sample ID: | PB170266BSD | Operator:          | YP/AJ             |
| Data file:        | FC070062.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          | 3.277  | 6.572  | 28002737  | 193.409 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.573  | 9.973  | 39866210  | 243.41  | 200              | ug/ml |
| Aliphatic C16-C21         | 9.974  | 13.340 | 45355285  | 280.065 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.341 | 17.005 | 50818993  | 345.373 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.006 | 21.959 | 46536620  | 432.497 | 600              | ug/ml |
| Aliphatic EPH             | 3.277  | 21.959 | 210579845 | 1490    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.643 | 11.643 | 6788843   | 38.66   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.078 | 13.078 | 5478491   | 40.36   |                  | ug/ml |
| Aliphatic C9-C28          | 3.277  | 17.005 | 164043225 | 1060    | 1200             | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
 Data File : FC070062.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 14:38  
 Operator : YP/AJ  
 Sample : PB170266BSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 PB170266BSD

Integration File: autoint1.e  
 Quant Time: Oct 29 03:46:39 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:35:40 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)    | 11.643 | 6788843    | 38.660 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 77.32%       |
| 12) S 1-chlorooctadecane (S... | 13.078 | 5478491    | 40.359 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 80.72%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.388  | 4802337    | 34.973 ug/ml |
| 2) T n-Decane (C10)            | 4.456  | 5239712    | 36.447 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.047  | 6350997    | 39.297 ug/ml |
| 4) T n-Dodecane (C12)          | 6.475  | 5845462    | 38.137 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.105  | 6125621    | 38.393 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.274  | 6343256    | 39.884 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.876  | 6712913    | 39.834 ug/ml |
| 8) T n-Octadecane (C18)        | 11.320 | 6736591    | 39.597 ug/ml |
| 10) T n-Eicosane (C20)         | 12.632 | 6767348    | 42.182 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.244 | 6467043    | 41.649 ug/ml |
| 13) T n-Docosane (C22)         | 13.831 | 6317736    | 41.052 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.931 | 11721933   | 77.306 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.958 | 5749384    | 39.722 ug/ml |
| 16) T n-Octacosane (C28)       | 16.907 | 5459099    | 39.472 ug/ml |
| 17) T n-Tricontane (C30)       | 17.798 | 5417062    | 39.676 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.630 | 5290602    | 41.034 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.415 | 5381965    | 47.169 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.156 | 5014123    | 51.846 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.913 | 5115981    | 58.697 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.867 | 4987694    | 60.705 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

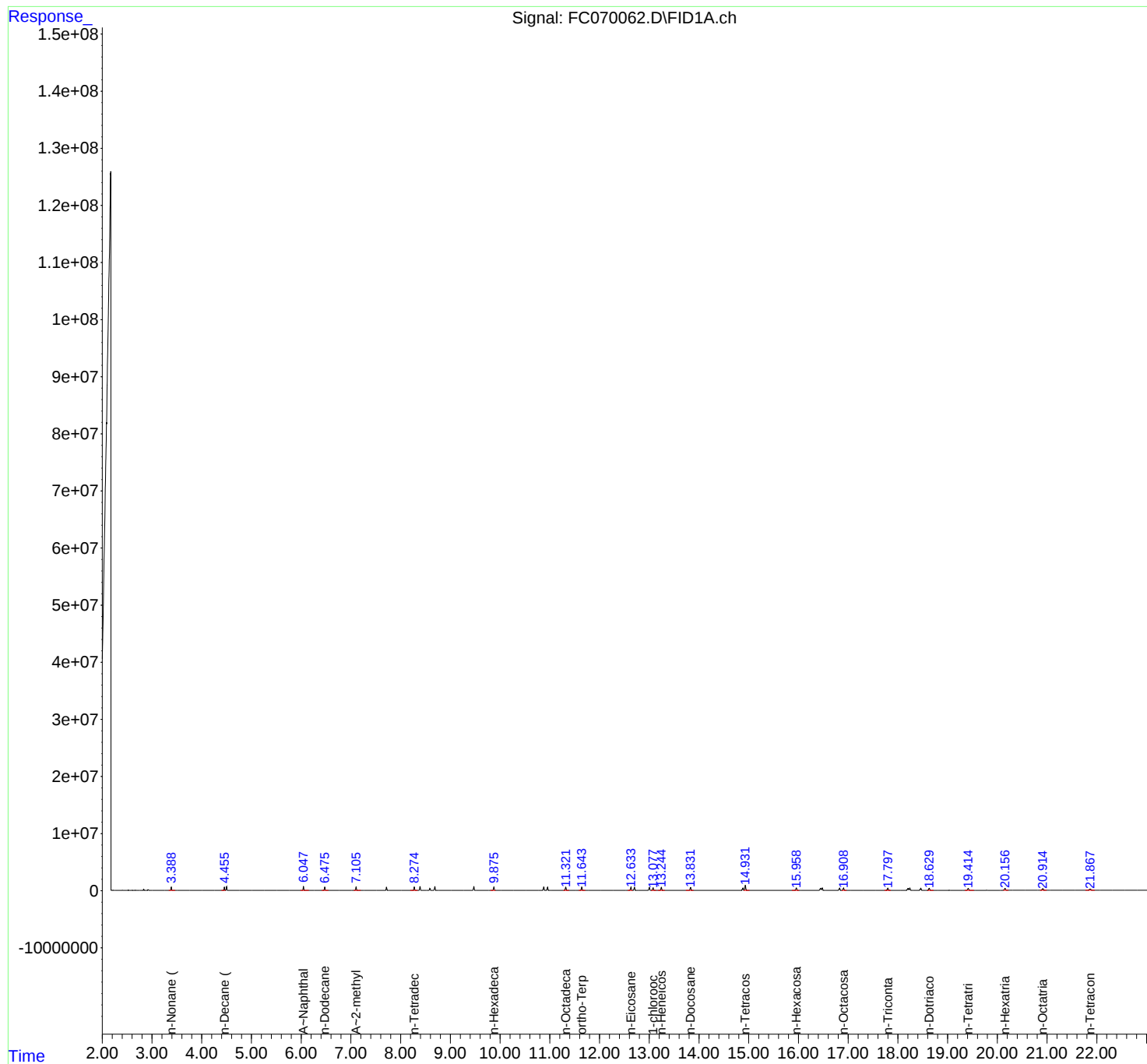
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
Data File : FC070062.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 14:38  
Operator : YP/AJ  
Sample : PB170266BSD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
PB170266BSD

Integration File: autoint1.e  
Quant Time: Oct 29 03:46:39 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:35:40 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\FC102825AL\  
Data File : FC070062.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 14:38  
Sample : PB170266BSD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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         | 3.388       | 3.337        | 3.465      | BB       | 586480         | 4802337      | 40.97%         | 2.155%        |
| 2         | 4.456       | 4.399        | 4.477      | BV       | 589167         | 5239712      | 44.70%         | 2.351%        |
| 3         | 4.500       | 4.477        | 4.543      | VV       | 658008         | 5764229      | 49.17%         | 2.587%        |
| 4         | 6.047       | 5.985        | 6.155      | BB       | 693006         | 6350997      | 54.18%         | 2.850%        |
| 5         | 6.475       | 6.415        | 6.547      | BB       | 601050         | 5845462      | 49.87%         | 2.623%        |
| 6         | 7.105       | 7.057        | 7.200      | BB       | 615853         | 6125621      | 52.26%         | 2.749%        |
| 7         | 8.274       | 8.194        | 8.342      | BB       | 609153         | 6343256      | 54.11%         | 2.846%        |
| 8         | 8.390       | 8.342        | 8.477      | BB       | 669072         | 6814280      | 58.13%         | 3.058%        |
| 9         | 8.689       | 8.655        | 8.789      | VB       | 665425         | 6916914      | 59.01%         | 3.104%        |
| 10        | 9.473       | 9.414        | 9.579      | BB       | 654808         | 6953226      | 59.32%         | 3.120%        |
| 11        | 9.876       | 9.809        | 9.909      | BV       | 608576         | 6712913      | 57.27%         | 3.012%        |
| 12        | 10.879      | 10.794       | 10.922     | BV       | 589457         | 6571809      | 56.06%         | 2.949%        |
| 13        | 10.956      | 10.922       | 11.072     | VB       | 567505         | 6529509      | 55.70%         | 2.930%        |
| 14        | 11.320      | 11.274       | 11.389     | BB       | 569730         | 6736591      | 57.47%         | 3.023%        |
| 15        | 11.643      | 11.580       | 11.714     | BB       | 602018         | 6788843      | 57.92%         | 3.046%        |
| 16        | 12.632      | 12.565       | 12.664     | BV       | 584119         | 6767348      | 57.73%         | 3.037%        |
| 17        | 12.703      | 12.664       | 12.797     | VB       | 556082         | 6172453      | 52.66%         | 2.770%        |
| 18        | 13.003      | 12.930       | 13.036     | BV       | 532776         | 6110532      | 52.13%         | 2.742%        |
| 19        | 13.078      | 13.036       | 13.142     | VB       | 466486         | 5478491      | 46.74%         | 2.458%        |
| 20        | 13.244      | 13.170       | 13.312     | BB       | 552785         | 6467043      | 55.17%         | 2.902%        |
| 21        | 13.831      | 13.737       | 13.892     | BB       | 506729         | 6317736      | 53.90%         | 2.835%        |
| 22        | 14.884      | 14.819       | 14.904     | BV       | 417359         | 5595880      | 47.74%         | 2.511%        |
| 23        | 14.931      | 14.904       | 15.017     | VB       | 901870         | 11721933     | 100.00%        | 5.260%        |
| 24        | 15.958      | 15.869       | 16.014     | BB       | 439279         | 5749384      | 49.05%         | 2.580%        |
| 25        | 16.446      | 16.370       | 16.461     | BV       | 375872         | 5408867      | 46.14%         | 2.427%        |
| 26        | 16.480      | 16.461       | 16.565     | VB       | 443009         | 5417489      | 46.22%         | 2.431%        |
| 27        | 16.828      | 16.750       | 16.869     | BBA      | 411793         | 5148605      | 43.92%         | 2.310%        |
| 28        | 16.907      | 16.870       | 16.967     | BB       | 404043         | 5459099      | 46.57%         | 2.450%        |
| 29        | 17.798      | 17.730       | 17.859     | BB       | 392556         | 5417062      | 46.21%         | 2.431%        |
| 30        | 18.205      | 18.120       | 18.220     | BV       | 360844         | 5379958      | 45.90%         | 2.414%        |
| 31        | 18.241      | 18.220       | 18.374     | VB       | 380205         | 5064465      | 43.21%         | 2.273%        |
| 32        | 18.461      | 18.389       | 18.577     | BB       | 335520         | 4884770      | 41.67%         | 2.192%        |
| 33        | 18.630      | 18.590       | 18.717     | BB       | 368216         | 5290602      | 45.13%         | 2.374%        |
| 34        | 19.415      | 19.345       | 19.529     | BB       | 349415         | 5381965      | 45.91%         | 2.415%        |
| 35        | 20.156      | 20.120       | 20.224     | BB       | 341196         | 5014123      | 42.78%         | 2.250%        |
| 36        | 20.913      | 20.860       | 20.992     | BB       | 281939         | 5115981      | 43.64%         | 2.296%        |

37 21.867 21.770 21.960 BB 200855 4987694 42.55% 2.238%  
Sum of corrected areas: 222847176

Aliphatic EPH 100725.M Wed Oct 29 05:07:02 2025

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: |          |
| Project:           | PVWC Linear Construction | Date Received:  |          |
| Client Sample ID:  | TP-13MS                  | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3469-01MS               | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 91.1     |
| Sample Wt/Vol:     | 30.03 g                  | Test:           | EPH_NF   |
| Prep Method :      |                          | Final Vol:      | 2000 uL  |
|                    |                          | Prep Date :     | 10/28/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 27.5  |      | 1  | 1.29 | 2.19       | mg/kg | FC070065.D | 10/28/25 16:39 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 61.2  |      | 1  | 1.00 | 4.39       | mg/kg | FC070065.D | 10/28/25 16:39 | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 88.7  |      |    | 2.29 | 6.58       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 88.7  |      |    | 2.29 | 6.58       | mg/kg |            |                |              |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: |          |
| Project:           | PVWC Linear Construction | Date Received:  |          |
| Client Sample ID:  | TP-13MS                  | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3469-01MS               | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 91.1     |
| Sample Wt/Vol:     | 30.03 g                  | Final Vol:      | 2000 uL  |
| Prep Method :      |                          | Prep Date       | 10/28/25 |
|                    |                          | Test:           | EPH_NF   |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 61.2  | 1    |    | 1.00     | 4.39       | mg/kg   | 10/28/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 27.5  | 1    |    | 1.29     | 2.19       | mg/kg   | 10/28/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 30.2  |      |    | 40 - 140 | 60%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.2  |      |    | 40 - 140 | 56%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |            |                    |                   |
|-------------------|------------|--------------------|-------------------|
| Lab Sample ID:    | Q3469-01MS | Acq On:            | 28 Oct 2025 16:39 |
| Client Sample ID: | TP-13MS    | Operator:          | YP/AJ             |
| Data file:        | FC070065.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          | 3.277  | 6.572  | 20253426  | 139.886 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.573  | 9.973  | 31495479  | 192.301 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.974  | 13.340 | 36192526  | 223.486 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.341 | 17.005 | 41412790  | 281.447 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.006 | 21.959 | 40417941  | 375.632 | 600              | ug/ml |
| Aliphatic EPH             | 3.277  | 21.959 | 169772162 | 1210    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.641 | 11.641 | 4959543   | 28.24   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.076 | 13.076 | 4099935   | 30.2    |                  | ug/ml |
| Aliphatic C9-C28          | 3.277  | 17.005 | 129354221 | 837.12  | 1200             | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
 Data File : FC070065.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 16:39  
 Operator : YP/AJ  
 Sample : Q3469-01MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 TP-13MS

Integration File: autoint1.e  
 Quant Time: Oct 29 07:48:26 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:35:40 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)    | 11.641 | 4959543    | 28.243 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 56.49%       |
| 12) S 1-chlorooctadecane (S... | 13.076 | 4099935    | 30.204 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 60.41%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.378  | 3116026    | 22.692 ug/ml |
| 2) T n-Decane (C10)            | 4.451  | 3586581    | 24.948 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.045  | 4684147    | 28.983 ug/ml |
| 4) T n-Dodecane (C12)          | 6.473  | 4126061    | 26.919 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.103  | 4496838    | 28.184 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.273  | 4623674    | 29.072 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.874  | 4957225    | 29.416 ug/ml |
| 8) T n-Octadecane (C18)        | 11.319 | 4993173    | 29.349 ug/ml |
| 10) T n-Eicosane (C20)         | 12.629 | 4937253    | 30.774 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.242 | 4820586    | 31.046 ug/ml |
| 13) T n-Docosane (C22)         | 13.829 | 4718752    | 30.662 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.928 | 9207348    | 60.722 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.957 | 4307926    | 29.763 ug/ml |
| 16) T n-Octacosane (C28)       | 16.906 | 4111065    | 29.725 ug/ml |
| 17) T n-Tricontane (C30)       | 17.796 | 3976203    | 29.122 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.628 | 3819775    | 29.626 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.412 | 3762941    | 32.979 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.152 | 3389119    | 35.044 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.909 | 3364543    | 38.602 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.861 | 3288985    | 40.030 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

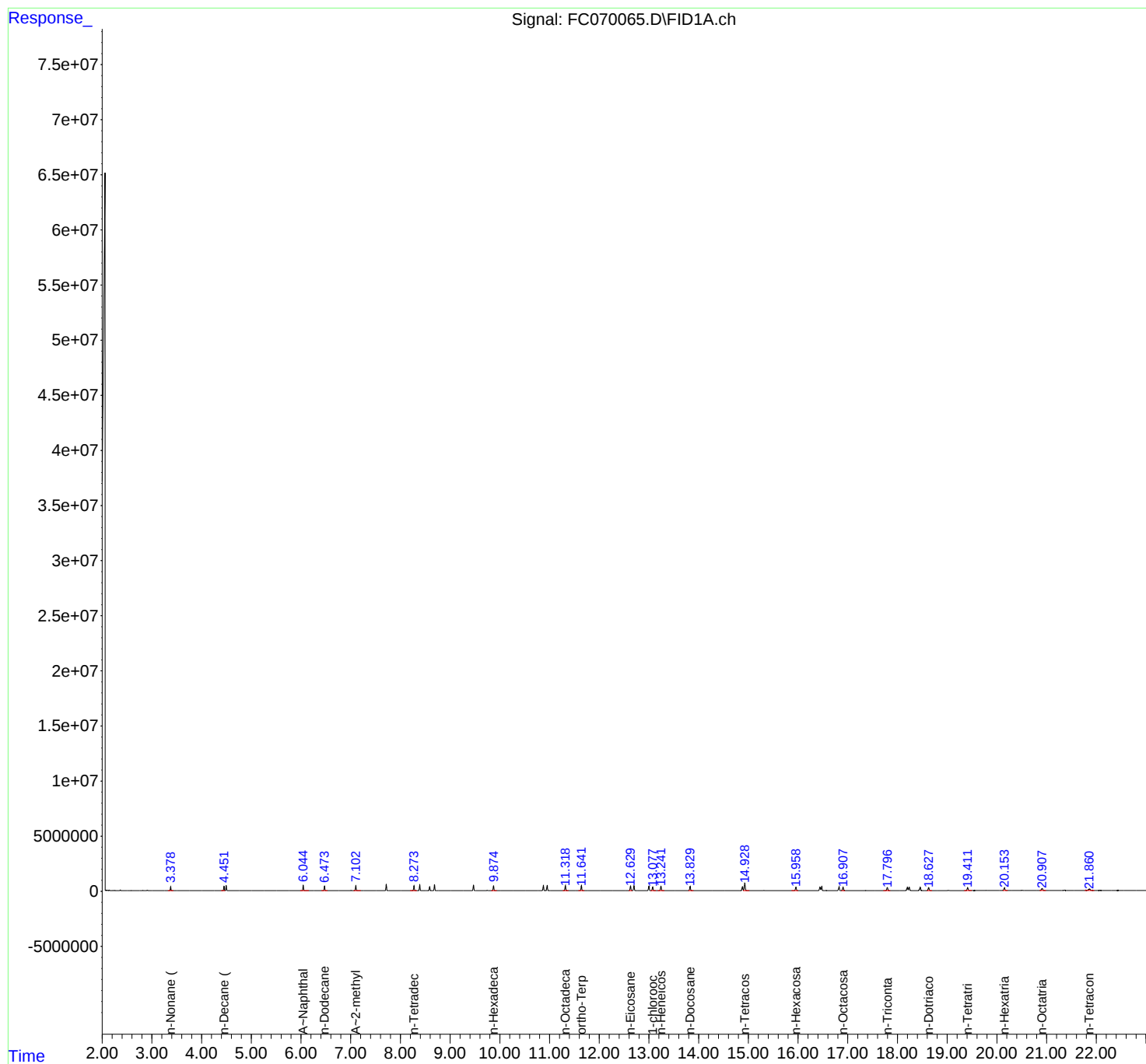
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
Data File : FC070065.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 16:39  
Operator : YP/AJ  
Sample : Q3469-01MS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
TP-13MS

Integration File: autoint1.e  
Quant Time: Oct 29 07:48:26 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:35:40 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\FC102825AL\  
 Data File : FC070065.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 16:39  
 Sample : Q3469-01MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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         | 3.237       | 3.204        | 3.251      | BV       | 276            | 2064         | 0.02%          | 0.001%        |
| 2         | 3.266       | 3.251        | 3.328      | VV       | 578            | 9837         | 0.11%          | 0.005%        |
| 3         | 3.334       | 3.328        | 3.354      | PV       | 35             | 502          | 0.01%          | 0.000%        |
| 4         | 3.378       | 3.354        | 3.489      | PV       | 372733         | 3145662      | 34.03%         | 1.757%        |
| 5         | 3.503       | 3.489        | 3.516      | VV       | 325            | 4220         | 0.05%          | 0.002%        |
| 6         | 3.529       | 3.516        | 3.551      | VV       | 338            | 4233         | 0.05%          | 0.002%        |
| 7         | 3.559       | 3.551        | 3.609      | VV       | 179            | 3512         | 0.04%          | 0.002%        |
| 8         | 3.621       | 3.609        | 3.630      | PV       | 130            | 889          | 0.01%          | 0.000%        |
| 9         | 3.656       | 3.630        | 3.668      | VV       | 306            | 4337         | 0.05%          | 0.002%        |
| 10        | 3.689       | 3.668        | 3.720      | VV       | 550            | 10933        | 0.12%          | 0.006%        |
| 11        | 3.734       | 3.720        | 3.751      | VV       | 625            | 6509         | 0.07%          | 0.004%        |
| 12        | 3.768       | 3.751        | 3.840      | VV       | 5975           | 56871        | 0.62%          | 0.032%        |
| 13        | 3.866       | 3.840        | 3.909      | VV       | 4695           | 45797        | 0.50%          | 0.026%        |
| 14        | 3.924       | 3.909        | 3.934      | VV       | 258            | 2441         | 0.03%          | 0.001%        |
| 15        | 3.952       | 3.934        | 4.014      | VV       | 366            | 8248         | 0.09%          | 0.005%        |
| 16        | 4.053       | 4.014        | 4.095      | PV       | 452            | 13058        | 0.14%          | 0.007%        |
| 17        | 4.108       | 4.095        | 4.119      | VV       | 213            | 1974         | 0.02%          | 0.001%        |
| 18        | 4.144       | 4.119        | 4.158      | VV       | 275            | 3962         | 0.04%          | 0.002%        |
| 19        | 4.191       | 4.158        | 4.207      | VV       | 266            | 5887         | 0.06%          | 0.003%        |
| 20        | 4.217       | 4.207        | 4.277      | VV       | 333            | 8452         | 0.09%          | 0.005%        |
| 21        | 4.290       | 4.277        | 4.328      | VV       | 210            | 4096         | 0.04%          | 0.002%        |
| 22        | 4.345       | 4.328        | 4.371      | VV       | 127            | 2180         | 0.02%          | 0.001%        |
| 23        | 4.375       | 4.371        | 4.391      | VV       | 198            | 1385         | 0.01%          | 0.001%        |
| 24        | 4.405       | 4.391        | 4.418      | VV       | 118            | 1658         | 0.02%          | 0.001%        |
| 25        | 4.451       | 4.418        | 4.473      | VV       | 411654         | 3591070      | 38.85%         | 2.005%        |
| 26        | 4.495       | 4.473        | 4.540      | VV       | 464790         | 4119761      | 44.57%         | 2.301%        |
| 27        | 4.557       | 4.540        | 4.581      | VV       | 4613           | 53827        | 0.58%          | 0.030%        |
| 28        | 4.603       | 4.581        | 4.693      | VV       | 7177           | 87039        | 0.94%          | 0.049%        |
| 29        | 4.704       | 4.693        | 4.788      | VV       | 312            | 10783        | 0.12%          | 0.006%        |
| 30        | 4.803       | 4.788        | 4.819      | VV       | 157            | 2480         | 0.03%          | 0.001%        |
| 31        | 4.828       | 4.819        | 4.851      | VV       | 144            | 1905         | 0.02%          | 0.001%        |
| 32        | 4.865       | 4.851        | 4.877      | VV       | 118            | 1266         | 0.01%          | 0.001%        |
| 33        | 4.887       | 4.877        | 4.915      | VV       | 147            | 2153         | 0.02%          | 0.001%        |
| 34        | 4.924       | 4.915        | 4.953      | VV       | 126            | 1459         | 0.02%          | 0.001%        |
| 35        | 4.974       | 4.953        | 5.000      | VV       | 101            | 2045         | 0.02%          | 0.001%        |
| 36        | 5.040       | 5.000        | 5.068      | VV       | 223            | 4675         | 0.05%          | 0.003%        |

|    |       |       |       |    | rteres |         |        |        |
|----|-------|-------|-------|----|--------|---------|--------|--------|
| 37 | 5.082 | 5.068 | 5.098 | VV | 181    | 2456    | 0.03%  | 0.001% |
| 38 | 5.107 | 5.098 | 5.158 | VV | 160    | 4545    | 0.05%  | 0.003% |
| 39 | 5.208 | 5.158 | 5.245 | VV | 240    | 5833    | 0.06%  | 0.003% |
| 40 | 5.309 | 5.245 | 5.368 | VV | 357    | 11033   | 0.12%  | 0.006% |
| 41 | 5.387 | 5.368 | 5.409 | VV | 167    | 2309    | 0.02%  | 0.001% |
| 42 | 5.452 | 5.409 | 5.460 | PV | 163    | 2998    | 0.03%  | 0.002% |
| 43 | 5.488 | 5.460 | 5.510 | VV | 1330   | 15697   | 0.17%  | 0.009% |
| 44 | 5.528 | 5.510 | 5.587 | VV | 532    | 13512   | 0.15%  | 0.008% |
| 45 | 5.599 | 5.587 | 5.636 | VV | 259    | 6138    | 0.07%  | 0.003% |
| 46 | 5.649 | 5.636 | 5.696 | VV | 343    | 5596    | 0.06%  | 0.003% |
| 47 | 5.725 | 5.696 | 5.773 | VV | 206    | 6894    | 0.07%  | 0.004% |
| 48 | 5.785 | 5.773 | 5.814 | VV | 228    | 3677    | 0.04%  | 0.002% |
| 49 | 5.835 | 5.814 | 5.891 | VV | 332    | 7869    | 0.09%  | 0.004% |
| 50 | 5.900 | 5.891 | 5.958 | VV | 181    | 4592    | 0.05%  | 0.003% |
| 51 | 5.965 | 5.958 | 5.977 | VV | 162    | 1686    | 0.02%  | 0.001% |
| 52 | 5.991 | 5.977 | 5.999 | VV | 177    | 1762    | 0.02%  | 0.001% |
| 53 | 6.045 | 5.999 | 6.173 | VV | 484821 | 4726987 | 51.13% | 2.640% |
| 54 | 6.189 | 6.173 | 6.258 | VV | 789    | 21087   | 0.23%  | 0.012% |
| 55 | 6.321 | 6.258 | 6.365 | VV | 457    | 18975   | 0.21%  | 0.011% |
| 56 | 6.380 | 6.365 | 6.418 | VV | 314    | 7673    | 0.08%  | 0.004% |
| 57 | 6.431 | 6.418 | 6.440 | VV | 264    | 2758    | 0.03%  | 0.002% |
| 58 | 6.473 | 6.440 | 6.534 | VV | 425140 | 4143993 | 44.83% | 2.314% |
| 59 | 6.550 | 6.534 | 6.601 | VV | 878    | 20087   | 0.22%  | 0.011% |
| 60 | 6.621 | 6.601 | 6.656 | VV | 479    | 10395   | 0.11%  | 0.006% |
| 61 | 6.677 | 6.656 | 6.708 | VV | 447    | 8820    | 0.10%  | 0.005% |
| 62 | 6.724 | 6.708 | 6.781 | VV | 526    | 12287   | 0.13%  | 0.007% |
| 63 | 6.795 | 6.781 | 6.848 | VV | 250    | 6071    | 0.07%  | 0.003% |
| 64 | 6.896 | 6.848 | 6.928 | VV | 339    | 8732    | 0.09%  | 0.005% |
| 65 | 6.957 | 6.928 | 6.986 | VV | 3559   | 52767   | 0.57%  | 0.029% |
| 66 | 7.009 | 6.986 | 7.059 | VV | 12072  | 133844  | 1.45%  | 0.075% |
| 67 | 7.103 | 7.059 | 7.219 | VV | 448908 | 4535948 | 49.07% | 2.533% |
| 68 | 7.239 | 7.219 | 7.273 | VV | 1562   | 30596   | 0.33%  | 0.017% |
| 69 | 7.295 | 7.273 | 7.354 | VV | 2387   | 55453   | 0.60%  | 0.031% |
| 70 | 7.370 | 7.354 | 7.383 | VV | 1199   | 14909   | 0.16%  | 0.008% |
| 71 | 7.397 | 7.383 | 7.424 | VV | 1357   | 17972   | 0.19%  | 0.010% |
| 72 | 7.460 | 7.424 | 7.480 | VV | 705    | 14404   | 0.16%  | 0.008% |
| 73 | 7.491 | 7.480 | 7.514 | VV | 491    | 6474    | 0.07%  | 0.004% |
| 74 | 7.524 | 7.514 | 7.547 | VV | 249    | 4050    | 0.04%  | 0.002% |
| 75 | 7.575 | 7.547 | 7.592 | VV | 748    | 10267   | 0.11%  | 0.006% |
| 76 | 7.621 | 7.592 | 7.671 | VV | 386    | 11604   | 0.13%  | 0.006% |
| 77 | 7.815 | 7.793 | 7.844 | VV | 1028   | 26978   | 0.29%  | 0.015% |
| 78 | 7.852 | 7.844 | 7.912 | VV | 873    | 21557   | 0.23%  | 0.012% |
| 79 | 7.925 | 7.912 | 7.948 | VV | 383    | 6560    | 0.07%  | 0.004% |
| 80 | 7.965 | 7.948 | 7.996 | VV | 520    | 10995   | 0.12%  | 0.006% |
| 81 | 8.021 | 7.996 | 8.058 | VV | 630    | 12027   | 0.13%  | 0.007% |
| 82 | 8.090 | 8.058 | 8.108 | VV | 281    | 6410    | 0.07%  | 0.004% |
| 83 | 8.119 | 8.108 | 8.128 | VV | 240    | 2494    | 0.03%  | 0.001% |
| 84 | 8.134 | 8.128 | 8.148 | VV | 311    | 3074    | 0.03%  | 0.002% |
| 85 | 8.172 | 8.148 | 8.215 | VV | 404    | 10303   | 0.11%  | 0.006% |
| 86 | 8.273 | 8.215 | 8.351 | VV | 456961 | 4646579 | 50.26% | 2.595% |
| 87 | 8.389 | 8.351 | 8.534 | VV | 529670 | 5340270 | 57.77% | 2.982% |
| 88 | 8.546 | 8.534 | 8.553 | VV | 290    | 2997    | 0.03%  | 0.002% |
| 89 | 8.686 | 8.653 | 8.848 | VV | 524216 | 5389719 | 58.30% | 3.010% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 90  | 8.860  | 8.848  | 8.895  | VV | 399    | 9349    | 0.10%  | 0.005% |
| 91  | 8.905  | 8.895  | 8.940  | VV | 379    | 7690    | 0.08%  | 0.004% |
| 92  | 8.964  | 8.940  | 9.058  | VV | 745    | 29091   | 0.31%  | 0.016% |
| 93  | 9.092  | 9.058  | 9.121  | VV | 1073   | 16675   | 0.18%  | 0.009% |
| 94  | 9.149  | 9.121  | 9.180  | VV | 333    | 8706    | 0.09%  | 0.005% |
| 95  | 9.195  | 9.180  | 9.234  | VV | 307    | 5203    | 0.06%  | 0.003% |
| 96  | 9.244  | 9.234  | 9.253  | VV | 156    | 1394    | 0.02%  | 0.001% |
| 97  | 9.282  | 9.253  | 9.303  | VV | 180    | 4023    | 0.04%  | 0.002% |
| 98  | 9.328  | 9.303  | 9.353  | VV | 219    | 4030    | 0.04%  | 0.002% |
| 99  | 9.368  | 9.353  | 9.410  | VV | 176    | 3044    | 0.03%  | 0.002% |
| 100 | 9.471  | 9.410  | 9.638  | PV | 506291 | 5534880 | 59.87% | 3.091% |
| 101 | 9.683  | 9.638  | 9.720  | VV | 7291   | 103716  | 1.12%  | 0.058% |
| 102 | 9.746  | 9.720  | 9.836  | VV | 28408  | 366822  | 3.97%  | 0.205% |
| 103 | 9.874  | 9.836  | 9.908  | VV | 444192 | 4968558 | 53.75% | 2.775% |
| 104 | 9.918  | 9.908  | 9.958  | VV | 807    | 17742   | 0.19%  | 0.010% |
| 105 | 9.978  | 9.958  | 10.074 | VV | 485    | 16794   | 0.18%  | 0.009% |
| 106 | 10.098 | 10.074 | 10.138 | VV | 1062   | 14728   | 0.16%  | 0.008% |
| 107 | 10.156 | 10.138 | 10.194 | VV | 364    | 6303    | 0.07%  | 0.004% |
| 108 | 10.219 | 10.194 | 10.247 | VV | 3343   | 40257   | 0.44%  | 0.022% |
| 109 | 10.259 | 10.247 | 10.284 | VV | 304    | 4664    | 0.05%  | 0.003% |
| 110 | 10.318 | 10.284 | 10.335 | VV | 357    | 6315    | 0.07%  | 0.004% |
| 111 | 10.347 | 10.335 | 10.377 | VV | 234    | 3628    | 0.04%  | 0.002% |
| 112 | 10.397 | 10.377 | 10.437 | PV | 217    | 4956    | 0.05%  | 0.003% |
| 113 | 10.445 | 10.437 | 10.453 | VV | 119    | 864     | 0.01%  | 0.000% |
| 114 | 10.498 | 10.453 | 10.507 | VV | 205    | 4040    | 0.04%  | 0.002% |
| 115 | 10.530 | 10.507 | 10.554 | VV | 311    | 5678    | 0.06%  | 0.003% |
| 116 | 10.567 | 10.554 | 10.578 | VV | 247    | 2642    | 0.03%  | 0.001% |
| 117 | 10.611 | 10.578 | 10.651 | VV | 535    | 10618   | 0.11%  | 0.006% |
| 118 | 10.679 | 10.651 | 10.751 | VV | 3923   | 56670   | 0.61%  | 0.032% |
| 119 | 10.762 | 10.751 | 10.798 | VV | 160    | 2498    | 0.03%  | 0.001% |
| 120 | 10.877 | 10.798 | 10.919 | VV | 480421 | 5307206 | 57.41% | 2.964% |
| 121 | 10.953 | 10.919 | 11.098 | VV | 485837 | 5325705 | 57.61% | 2.974% |
| 122 | 11.119 | 11.098 | 11.150 | VV | 2869   | 40073   | 0.43%  | 0.022% |
| 123 | 11.175 | 11.150 | 11.222 | VV | 2515   | 45257   | 0.49%  | 0.025% |
| 124 | 11.246 | 11.222 | 11.274 | VV | 739    | 13901   | 0.15%  | 0.008% |
| 125 | 11.319 | 11.274 | 11.379 | VV | 437971 | 5008876 | 54.18% | 2.797% |
| 126 | 11.404 | 11.379 | 11.444 | VV | 595    | 13342   | 0.14%  | 0.007% |
| 127 | 11.478 | 11.444 | 11.496 | VV | 422    | 7223    | 0.08%  | 0.004% |
| 128 | 11.510 | 11.496 | 11.589 | VV | 246    | 7819    | 0.08%  | 0.004% |
| 129 | 11.641 | 11.589 | 11.701 | VV | 453455 | 4978406 | 53.85% | 2.780% |
| 130 | 11.735 | 11.701 | 11.756 | VV | 744    | 20102   | 0.22%  | 0.011% |
| 131 | 11.779 | 11.756 | 11.816 | VV | 948    | 25004   | 0.27%  | 0.014% |
| 132 | 11.830 | 11.816 | 11.845 | VV | 542    | 7372    | 0.08%  | 0.004% |
| 133 | 11.859 | 11.845 | 11.893 | VV | 514    | 8232    | 0.09%  | 0.005% |
| 134 | 11.928 | 11.893 | 11.938 | VV | 229    | 3432    | 0.04%  | 0.002% |
| 135 | 11.984 | 11.938 | 12.024 | VV | 395    | 11686   | 0.13%  | 0.007% |
| 136 | 12.045 | 12.024 | 12.068 | VV | 466    | 7619    | 0.08%  | 0.004% |
| 137 | 12.078 | 12.068 | 12.104 | VV | 508    | 6430    | 0.07%  | 0.004% |
| 138 | 12.113 | 12.104 | 12.188 | VV | 202    | 3849    | 0.04%  | 0.002% |
| 139 | 12.195 | 12.188 | 12.220 | VV | 202    | 2172    | 0.02%  | 0.001% |
| 140 | 12.238 | 12.220 | 12.301 | VV | 4174   | 67181   | 0.73%  | 0.038% |
| 141 | 12.344 | 12.301 | 12.406 | VV | 1292   | 44383   | 0.48%  | 0.025% |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 142 | 12.451 | 12.406 | 12.518 | VV | 1158   | 27610   | 0.30%   | 0.015% |
| 143 | 12.537 | 12.518 | 12.547 | VV | 384    | 4380    | 0.05%   | 0.002% |
| 144 | 12.573 | 12.547 | 12.594 | VV | 625    | 12077   | 0.13%   | 0.007% |
| 145 | 12.629 | 12.594 | 12.663 | VV | 429757 | 4944058 | 53.48%  | 2.761% |
| 146 | 12.700 | 12.663 | 12.818 | VV | 448408 | 5110263 | 55.28%  | 2.854% |
| 147 | 12.835 | 12.818 | 12.857 | VV | 839    | 11970   | 0.13%   | 0.007% |
| 148 | 12.882 | 12.857 | 12.921 | VV | 5258   | 63811   | 0.69%   | 0.036% |
| 149 | 12.942 | 12.921 | 12.959 | VV | 357    | 5259    | 0.06%   | 0.003% |
| 150 | 12.999 | 12.959 | 13.035 | VV | 432109 | 5000442 | 54.09%  | 2.792% |
| 151 | 13.076 | 13.035 | 13.156 | VV | 335379 | 4117566 | 44.54%  | 2.299% |
| 152 | 13.181 | 13.156 | 13.208 | VV | 534    | 12147   | 0.13%   | 0.007% |
| 153 | 13.242 | 13.208 | 13.318 | VV | 407870 | 4838880 | 52.34%  | 2.702% |
| 154 | 13.331 | 13.318 | 13.351 | VV | 287    | 4110    | 0.04%   | 0.002% |
| 155 | 13.459 | 13.384 | 13.541 | PV | 547    | 18640   | 0.20%   | 0.010% |
| 156 | 13.588 | 13.541 | 13.607 | VV | 884    | 18169   | 0.20%   | 0.010% |
| 157 | 13.616 | 13.607 | 13.641 | VV | 607    | 8405    | 0.09%   | 0.005% |
| 158 | 13.667 | 13.641 | 13.685 | VV | 969    | 16449   | 0.18%   | 0.009% |
| 159 | 13.694 | 13.685 | 13.716 | VV | 636    | 7999    | 0.09%   | 0.004% |
| 160 | 13.738 | 13.716 | 13.754 | VV | 571    | 9142    | 0.10%   | 0.005% |
| 161 | 13.777 | 13.754 | 13.791 | VV | 953    | 13049   | 0.14%   | 0.007% |
| 162 | 13.829 | 13.791 | 13.897 | VV | 386565 | 4740652 | 51.28%  | 2.647% |
| 163 | 13.907 | 13.897 | 13.930 | VV | 490    | 6816    | 0.07%   | 0.004% |
| 164 | 13.954 | 13.930 | 13.981 | VV | 1066   | 15612   | 0.17%   | 0.009% |
| 165 | 14.009 | 13.981 | 14.124 | VV | 683    | 19222   | 0.21%   | 0.011% |
| 166 | 14.135 | 14.124 | 14.144 | VV | 116    | 964     | 0.01%   | 0.001% |
| 167 | 14.221 | 14.144 | 14.241 | VV | 665    | 16330   | 0.18%   | 0.009% |
| 168 | 14.265 | 14.241 | 14.312 | VV | 988    | 20665   | 0.22%   | 0.012% |
| 169 | 14.330 | 14.312 | 14.364 | VV | 455    | 9506    | 0.10%   | 0.005% |
| 170 | 14.389 | 14.364 | 14.441 | VV | 948    | 20502   | 0.22%   | 0.011% |
| 171 | 14.456 | 14.441 | 14.474 | VV | 338    | 4992    | 0.05%   | 0.003% |
| 172 | 14.504 | 14.474 | 14.542 | VV | 524    | 13918   | 0.15%   | 0.008% |
| 173 | 14.565 | 14.542 | 14.602 | VV | 940    | 15975   | 0.17%   | 0.009% |
| 174 | 14.623 | 14.602 | 14.662 | VV | 506    | 12353   | 0.13%   | 0.007% |
| 175 | 14.678 | 14.662 | 14.718 | VV | 209    | 5098    | 0.06%   | 0.003% |
| 176 | 14.784 | 14.718 | 14.807 | VV | 481    | 14749   | 0.16%   | 0.008% |
| 177 | 14.832 | 14.807 | 14.841 | PV | 606    | 7168    | 0.08%   | 0.004% |
| 178 | 14.882 | 14.841 | 14.901 | VV | 369472 | 4604804 | 49.81%  | 2.571% |
| 179 | 14.928 | 14.901 | 15.020 | VV | 675485 | 9244384 | 100.00% | 5.162% |
| 180 | 15.039 | 15.020 | 15.090 | VV | 1090   | 28508   | 0.31%   | 0.016% |
| 181 | 15.107 | 15.090 | 15.168 | VV | 548    | 15782   | 0.17%   | 0.009% |
| 182 | 15.228 | 15.168 | 15.271 | VV | 722    | 18949   | 0.20%   | 0.011% |
| 183 | 15.312 | 15.271 | 15.394 | VV | 11284  | 210296  | 2.27%   | 0.117% |
| 184 | 15.408 | 15.394 | 15.421 | VV | 351    | 4834    | 0.05%   | 0.003% |
| 185 | 15.451 | 15.421 | 15.494 | VV | 2003   | 33761   | 0.37%   | 0.019% |
| 186 | 15.528 | 15.494 | 15.538 | VV | 640    | 10718   | 0.12%   | 0.006% |
| 187 | 15.553 | 15.538 | 15.578 | VV | 897    | 13763   | 0.15%   | 0.008% |
| 188 | 15.590 | 15.578 | 15.619 | VV | 460    | 6646    | 0.07%   | 0.004% |
| 189 | 15.640 | 15.619 | 15.668 | VV | 435    | 6217    | 0.07%   | 0.003% |
| 190 | 15.715 | 15.668 | 15.774 | VV | 520    | 17059   | 0.18%   | 0.010% |
| 191 | 15.785 | 15.774 | 15.807 | VV | 193    | 3513    | 0.04%   | 0.002% |
| 192 | 15.829 | 15.807 | 15.860 | VV | 481    | 7842    | 0.08%   | 0.004% |
| 193 | 15.957 | 15.860 | 16.002 | VV | 332738 | 4318743 | 46.72%  | 2.412% |
| 194 | 16.017 | 16.002 | 16.071 | VV | 179    | 4090    | 0.04%   | 0.002% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 16.077 | 16.071 | 16.121 | VV | 117    | 1730    | 0.02%  | 0.001% |
| 196 | 16.156 | 16.121 | 16.207 | PV | 820    | 13643   | 0.15%  | 0.008% |
| 197 | 16.264 | 16.207 | 16.278 | PV | 237    | 6763    | 0.07%  | 0.004% |
| 198 | 16.292 | 16.278 | 16.301 | VV | 193    | 2245    | 0.02%  | 0.001% |
| 199 | 16.332 | 16.301 | 16.376 | VV | 1035   | 23620   | 0.26%  | 0.013% |
| 200 | 16.442 | 16.376 | 16.458 | VV | 313123 | 4491408 | 48.59% | 2.508% |
| 201 | 16.477 | 16.458 | 16.542 | VV | 383948 | 4498027 | 48.66% | 2.512% |
| 202 | 16.570 | 16.542 | 16.663 | VV | 10469  | 165182  | 1.79%  | 0.092% |
| 203 | 16.692 | 16.663 | 16.716 | VV | 2178   | 32195   | 0.35%  | 0.018% |
| 204 | 16.760 | 16.716 | 16.782 | VV | 2548   | 50716   | 0.55%  | 0.028% |
| 205 | 16.826 | 16.782 | 16.866 | VV | 342057 | 4330526 | 46.84% | 2.418% |
| 206 | 16.906 | 16.866 | 17.010 | VV | 329764 | 4230451 | 45.76% | 2.362% |
| 207 | 17.061 | 17.010 | 17.112 | VV | 386    | 15034   | 0.16%  | 0.008% |
| 208 | 17.123 | 17.112 | 17.148 | VV | 180    | 2775    | 0.03%  | 0.002% |
| 209 | 17.193 | 17.148 | 17.257 | PV | 519    | 19557   | 0.21%  | 0.011% |
| 210 | 17.278 | 17.257 | 17.300 | VV | 484    | 9171    | 0.10%  | 0.005% |
| 211 | 17.354 | 17.300 | 17.391 | VV | 7565   | 114564  | 1.24%  | 0.064% |
| 212 | 17.440 | 17.391 | 17.457 | PV | 440    | 7592    | 0.08%  | 0.004% |
| 213 | 17.481 | 17.457 | 17.498 | VV | 373    | 5611    | 0.06%  | 0.003% |
| 214 | 17.520 | 17.498 | 17.568 | VV | 323    | 6107    | 0.07%  | 0.003% |
| 215 | 17.584 | 17.568 | 17.619 | PV | 147    | 2167    | 0.02%  | 0.001% |
| 216 | 17.685 | 17.619 | 17.718 | PV | 791    | 15094   | 0.16%  | 0.008% |
| 217 | 17.796 | 17.718 | 17.858 | PV | 279556 | 3982573 | 43.08% | 2.224% |
| 218 | 17.883 | 17.858 | 17.942 | VV | 811    | 14699   | 0.16%  | 0.008% |
| 219 | 17.989 | 17.942 | 18.018 | PV | 366    | 8209    | 0.09%  | 0.005% |
| 220 | 18.062 | 18.018 | 18.081 | VV | 272    | 5094    | 0.06%  | 0.003% |
| 221 | 18.200 | 18.081 | 18.216 | PV | 298272 | 4307847 | 46.60% | 2.406% |
| 222 | 18.236 | 18.216 | 18.344 | VV | 311483 | 4233618 | 45.80% | 2.364% |
| 223 | 18.356 | 18.344 | 18.409 | VV | 1232   | 31030   | 0.34%  | 0.017% |
| 224 | 18.458 | 18.409 | 18.554 | VV | 295772 | 4238701 | 45.85% | 2.367% |
| 225 | 18.627 | 18.554 | 18.693 | VV | 283210 | 3887166 | 42.05% | 2.171% |
| 226 | 18.726 | 18.693 | 18.758 | VV | 729    | 16409   | 0.18%  | 0.009% |
| 227 | 18.785 | 18.758 | 18.815 | VV | 278    | 5991    | 0.06%  | 0.003% |
| 228 | 18.885 | 18.815 | 18.907 | PV | 667    | 10872   | 0.12%  | 0.006% |
| 229 | 18.937 | 18.907 | 18.958 | VV | 517    | 10786   | 0.12%  | 0.006% |
| 230 | 18.984 | 18.958 | 18.995 | VV | 2511   | 38172   | 0.41%  | 0.021% |
| 231 | 19.022 | 18.995 | 19.078 | VV | 11371  | 188298  | 2.04%  | 0.105% |
| 232 | 19.119 | 19.078 | 19.175 | VV | 609    | 24049   | 0.26%  | 0.013% |
| 233 | 19.222 | 19.175 | 19.241 | VV | 757    | 18098   | 0.20%  | 0.010% |
| 234 | 19.270 | 19.241 | 19.297 | VV | 1150   | 23047   | 0.25%  | 0.013% |
| 235 | 19.319 | 19.297 | 19.348 | VV | 988    | 18767   | 0.20%  | 0.010% |
| 236 | 19.412 | 19.348 | 19.496 | VV | 260431 | 3838758 | 41.53% | 2.144% |
| 237 | 19.516 | 19.496 | 19.546 | VV | 1496   | 38896   | 0.42%  | 0.022% |
| 238 | 19.619 | 19.546 | 19.628 | VV | 1633   | 65982   | 0.71%  | 0.037% |
| 239 | 19.648 | 19.628 | 19.666 | VV | 1922   | 39607   | 0.43%  | 0.022% |
| 240 | 19.694 | 19.666 | 19.729 | VV | 2580   | 73779   | 0.80%  | 0.041% |
| 241 | 19.783 | 19.729 | 19.814 | VV | 9286   | 206500  | 2.23%  | 0.115% |
| 242 | 19.843 | 19.814 | 19.865 | VV | 2262   | 63904   | 0.69%  | 0.036% |
| 243 | 20.012 | 19.865 | 20.041 | VV | 3995   | 300638  | 3.25%  | 0.168% |
| 244 | 20.060 | 20.041 | 20.082 | VV | 3863   | 89582   | 0.97%  | 0.050% |
| 245 | 20.152 | 20.082 | 20.241 | VV | 240219 | 3817071 | 41.29% | 2.132% |
| 246 | 20.292 | 20.241 | 20.301 | VV | 6274   | 178082  | 1.93%  | 0.099% |

|                         |        |        |        |    | rteres    |         |        |        |
|-------------------------|--------|--------|--------|----|-----------|---------|--------|--------|
| 247                     | 20.312 | 20.301 | 20.351 | VV | 6296      | 161773  | 1.75%  | 0.090% |
| 248                     | 20.385 | 20.351 | 20.395 | VV | 5173      | 132715  | 1.44%  | 0.074% |
| 249                     | 20.420 | 20.395 | 20.448 | VV | 5375      | 160499  | 1.74%  | 0.090% |
| 250                     | 20.508 | 20.448 | 20.568 | VV | 9025      | 423527  | 4.58%  | 0.237% |
| 251                     | 20.592 | 20.568 | 20.611 | VV | 4925      | 126340  | 1.37%  | 0.071% |
| 252                     | 20.685 | 20.611 | 20.736 | VV | 5004      | 362627  | 3.92%  | 0.203% |
| 253                     | 20.759 | 20.736 | 20.787 | VV | 4745      | 139867  | 1.51%  | 0.078% |
| 254                     | 20.808 | 20.787 | 20.850 | VV | 4552      | 168597  | 1.82%  | 0.094% |
| 255                     | 20.909 | 20.850 | 20.994 | VV | 181093    | 3723848 | 40.28% | 2.079% |
| 256                     | 21.012 | 20.994 | 21.044 | VV | 4117      | 122095  | 1.32%  | 0.068% |
| 257                     | 21.110 | 21.044 | 21.132 | VV | 3999      | 208580  | 2.26%  | 0.116% |
| 258                     | 21.157 | 21.132 | 21.191 | VV | 3855      | 132316  | 1.43%  | 0.074% |
| 259                     | 21.246 | 21.191 | 21.310 | VV | 3723      | 255009  | 2.76%  | 0.142% |
| 260                     | 21.353 | 21.310 | 21.419 | VV | 4858      | 248071  | 2.68%  | 0.139% |
| 261                     | 21.429 | 21.419 | 21.434 | VV | 3159      | 27925   | 0.30%  | 0.016% |
| 262                     | 21.443 | 21.434 | 21.454 | VV | 3131      | 36778   | 0.40%  | 0.021% |
| 263                     | 21.469 | 21.454 | 21.481 | VV | 3137      | 50100   | 0.54%  | 0.028% |
| 264                     | 21.507 | 21.481 | 21.518 | VV | 2973      | 65382   | 0.71%  | 0.037% |
| 265                     | 21.557 | 21.518 | 21.604 | VV | 2864      | 142643  | 1.54%  | 0.080% |
| 266                     | 21.615 | 21.604 | 21.637 | VV | 2629      | 51420   | 0.56%  | 0.029% |
| 267                     | 21.673 | 21.637 | 21.697 | VV | 2622      | 89116   | 0.96%  | 0.050% |
| 268                     | 21.720 | 21.697 | 21.764 | VV | 2374      | 93486   | 1.01%  | 0.052% |
| 269                     | 21.861 | 21.764 | 21.979 | VV | 139718    | 3521330 | 38.09% | 1.966% |
| 270                     | 21.990 | 21.979 | 22.024 | VV | 1487      | 37197   | 0.40%  | 0.021% |
| 271                     | 22.071 | 22.024 | 22.128 | VV | 1714      | 86201   | 0.93%  | 0.048% |
| 272                     | 22.138 | 22.128 | 22.188 | VV | 992       | 30616   | 0.33%  | 0.017% |
| 273                     | 22.204 | 22.188 | 22.267 | VV | 737       | 26340   | 0.28%  | 0.015% |
| 274                     | 22.278 | 22.267 | 22.291 | VV | 490       | 5664    | 0.06%  | 0.003% |
| 275                     | 22.296 | 22.291 | 22.348 | VV | 397       | 7027    | 0.08%  | 0.004% |
| 276                     | 22.360 | 22.348 | 22.374 | VV | 159       | 1287    | 0.01%  | 0.001% |
| Sum of corrected areas: |        |        |        |    | 179074367 |         |        |        |

Aliphatic EPH 100725.M Wed Oct 29 08:14:17 2025

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: |          |
| Project:           | PVWC Linear Construction | Date Received:  |          |
| Client Sample ID:  | TP-13MSD                 | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3469-01MSD              | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 91.1     |
| Sample Wt/Vol:     | 30.04 g                  | Test:           | EPH_NF   |
| Prep Method :      |                          | Final Vol:      | 2000 uL  |
|                    |                          | Prep Date :     | 10/28/25 |

| CAS Number         | Parameter          | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Datafile   | Date Ana.      | Prep BatchID |
|--------------------|--------------------|-------|------|----|------|------------|-------|------------|----------------|--------------|
| <b>TARGETS</b>     |                    |       |      |    |      |            |       |            |                |              |
| Aliphatic C28-C40  | Aliphatic C28-C40  | 28.1  |      | 1  | 1.29 | 2.19       | mg/kg | FC070066.D | 10/28/25 17:20 | PB170266     |
| Aliphatic C9-C28   | Aliphatic C9-C28   | 62.6  |      | 1  | 1.00 | 4.39       | mg/kg | FC070066.D | 10/28/25 17:20 | PB170266     |
| Total AliphaticEPH | Total AliphaticEPH | 90.7  |      |    | 2.29 | 6.58       | mg/kg |            |                |              |
| Total EPH          | Total EPH          | 90.7  |      |    | 2.29 | 6.58       | mg/kg |            |                |              |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | HDR, Inc.                | Date Collected: |          |
| Project:           | PVWC Linear Construction | Date Received:  |          |
| Client Sample ID:  | TP-13MSD                 | SDG No.:        | Q3466    |
| Lab Sample ID:     | Q3469-01MSD              | Matrix:         | Solid    |
| Analytical Method: | NJEPH                    | % Solid:        | 91.1     |
| Sample Wt/Vol:     | 30.04 g                  | Final Vol:      | 2000 uL  |
| Prep Method :      |                          | Prep Date       | 10/28/25 |
|                    |                          | Test:           | EPH_NF   |

| CAS Number        | Parameter                 | Conc. | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana. | Prep BatchID |
|-------------------|---------------------------|-------|------|----|----------|------------|---------|-----------|--------------|
| <b>TARGETS</b>    |                           |       |      |    |          |            |         |           |              |
| Aliphatic C9-C28  | Aliphatic C9-C28          | 62.6  | 1    |    | 1.00     | 4.39       | mg/kg   | 10/28/25  | PB170266     |
| Aliphatic C28-C40 | Aliphatic C28-C40         | 28.1  | 1    |    | 1.29     | 2.19       | mg/kg   | 10/28/25  | PB170266     |
| <b>SURROGATES</b> |                           |       |      |    |          |            |         |           |              |
| 3383-33-2         | 1-chlorooctadecane (SURR) | 31.0  |      |    | 40 - 140 | 62%        | SPK: 50 |           |              |
| 84-15-1           | ortho-Terphenyl (SURR)    | 28.9  |      |    | 40 - 140 | 58%        | SPK: 50 |           |              |

## Quantitation Report For Aliphatic EPH Range.

|                   |             |                    |                   |
|-------------------|-------------|--------------------|-------------------|
| Lab Sample ID:    | Q3469-01MSD | Acq On:            | 28 Oct 2025 17:20 |
| Client Sample ID: | TP-13MSD    | Operator:          | YP/AJ             |
| Data file:        | FC070066.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          | 3.277  | 6.572  | 21023509  | 145.205 | 300              | ug/ml |
| Aliphatic C12-C16         | 6.573  | 9.973  | 32328594  | 197.388 | 200              | ug/ml |
| Aliphatic C16-C21         | 9.974  | 13.340 | 36901594  | 227.864 | 300              | ug/ml |
| Aliphatic C21-C28         | 13.341 | 17.005 | 42064279  | 285.875 | 400              | ug/ml |
| Aliphatic C28-C40         | 17.006 | 21.959 | 41376676  | 384.542 | 600              | ug/ml |
| Aliphatic EPH             | 3.277  | 21.959 | 173694652 | 1240    |                  | ug/ml |
| ortho-Terphenyl (SURR)    | 11.641 | 11.641 | 5084075   | 28.95   |                  | ug/ml |
| 1-chlorooctadecane (SURR) | 13.075 | 13.075 | 4213167   | 31.04   |                  | ug/ml |
| Aliphatic C9-C28          | 3.277  | 17.005 | 132317976 | 856.332 | 1200             | ug/ml |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
 Data File : FC070066.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 17:20  
 Operator : YP/AJ  
 Sample : Q3469-01MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 FID\_C  
 ClientSampleId :  
 TP-13MSD

Integration File: autoint1.e  
 Quant Time: Oct 29 07:48:53 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 07 09:35:40 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)    | 11.641 | 5084075    | 28.952 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 57.90%       |
| 12) S 1-chlorooctadecane (S... | 13.075 | 4213167    | 31.038 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 62.08%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.378  | 3242709    | 23.615 ug/ml |
| 2) T n-Decane (C10)            | 4.451  | 3732234    | 25.961 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.045  | 4824004    | 29.849 ug/ml |
| 4) T n-Dodecane (C12)          | 6.473  | 4287539    | 27.973 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.104  | 4620728    | 28.961 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.273  | 4788295    | 30.107 ug/ml |
| 7) T n-Hexadecane (C16)        | 9.874  | 5107307    | 30.307 ug/ml |
| 8) T n-Octadecane (C18)        | 11.319 | 5125206    | 30.125 ug/ml |
| 10) T n-Eicosane (C20)         | 12.630 | 5069086    | 31.596 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.242 | 4936650    | 31.793 ug/ml |
| 13) T n-Docosane (C22)         | 13.829 | 4831521    | 31.395 ug/ml |
| 14) T n-Tetracosane (C24)      | 14.928 | 9358370    | 61.718 ug/ml |
| 15) T n-Hexacosane (C26)       | 15.957 | 4404523    | 30.431 ug/ml |
| 16) T n-Octacosane (C28)       | 16.906 | 4218447    | 30.501 ug/ml |
| 17) T n-Tricontane (C30)       | 17.796 | 4071402    | 29.820 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.628 | 3919298    | 30.398 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.413 | 3880168    | 34.007 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.153 | 3468003    | 35.859 ug/ml |
| 21) T n-Octatriacontane (C38)  | 20.910 | 3413736    | 39.167 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.861 | 3323968    | 40.456 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

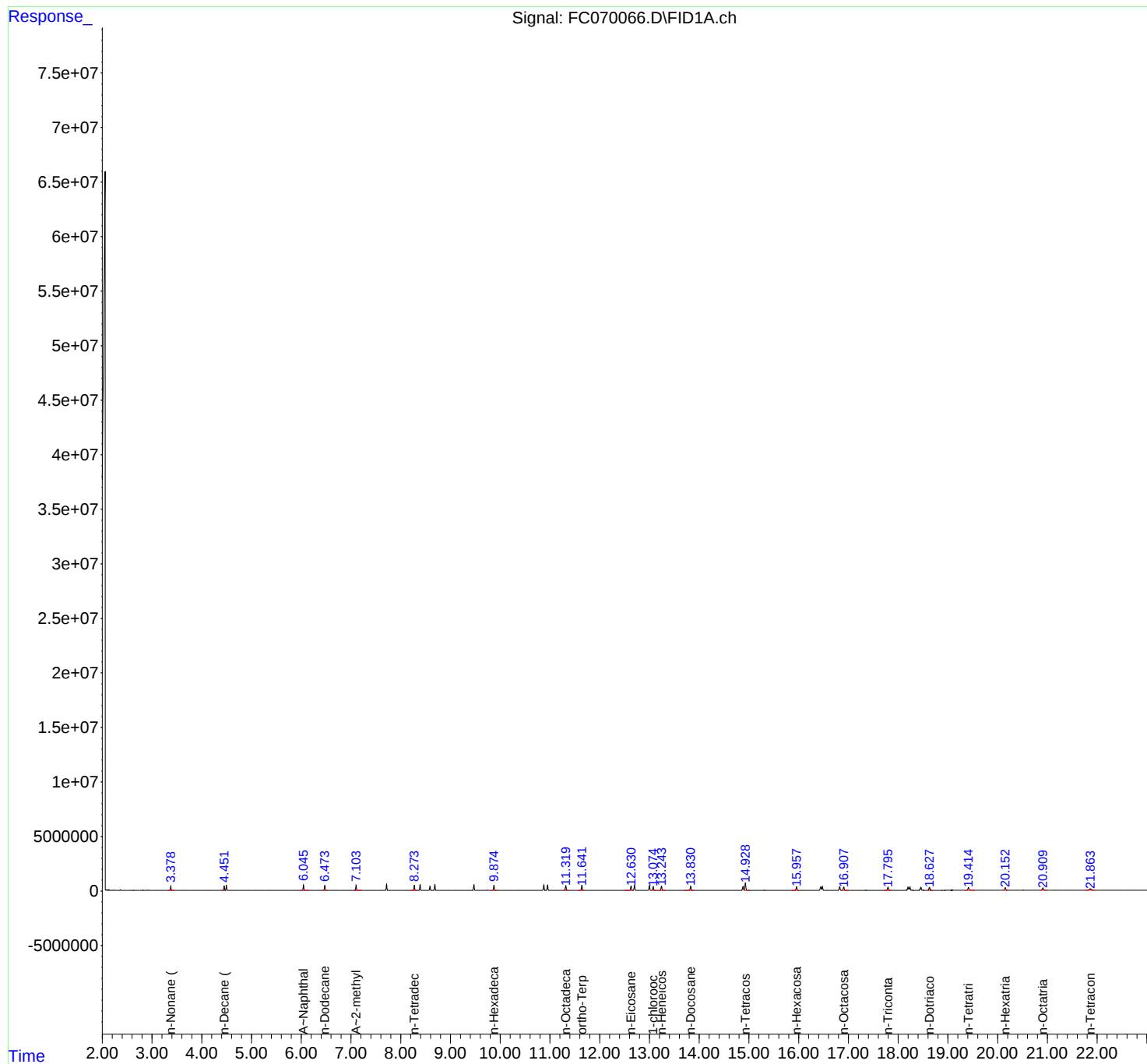
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC102825AL\  
Data File : FC070066.D  
Signal(s) : FID1A.ch  
Acq On : 28 Oct 2025 17:20  
Operator : YP/AJ  
Sample : Q3469-01MSD  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
FID\_C  
ClientSampleId :  
TP-13MSD

Integration File: autoint1.e  
Quant Time: Oct 29 07:48:53 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 07 09:35:40 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\FC102825AL\  
 Data File : FC070066.D  
 Signal(s) : FID1A.ch  
 Acq On : 28 Oct 2025 17:20  
 Sample : Q3469-01MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 100725.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         | 3.265       | 3.204        | 3.321      | BV       | 751            | 15777        | 0.17%          | 0.009%        |
| 2         | 3.333       | 3.321        | 3.347      | VV       | 134            | 908          | 0.01%          | 0.000%        |
| 3         | 3.378       | 3.347        | 3.473      | PV       | 387635         | 3261944      | 34.72%         | 1.780%        |
| 4         | 3.504       | 3.473        | 3.519      | VV       | 378            | 8403         | 0.09%          | 0.005%        |
| 5         | 3.530       | 3.519        | 3.545      | VV       | 459            | 4764         | 0.05%          | 0.003%        |
| 6         | 3.558       | 3.545        | 3.569      | VV       | 226            | 2790         | 0.03%          | 0.002%        |
| 7         | 3.581       | 3.569        | 3.608      | VV       | 269            | 3647         | 0.04%          | 0.002%        |
| 8         | 3.620       | 3.608        | 3.633      | VV       | 227            | 2443         | 0.03%          | 0.001%        |
| 9         | 3.657       | 3.633        | 3.667      | VV       | 261            | 4620         | 0.05%          | 0.003%        |
| 10        | 3.688       | 3.667        | 3.720      | VV       | 693            | 13319        | 0.14%          | 0.007%        |
| 11        | 3.734       | 3.720        | 3.748      | VV       | 775            | 8508         | 0.09%          | 0.005%        |
| 12        | 3.768       | 3.748        | 3.837      | VV       | 7777           | 72853        | 0.78%          | 0.040%        |
| 13        | 3.865       | 3.837        | 3.911      | VV       | 6033           | 59381        | 0.63%          | 0.032%        |
| 14        | 3.926       | 3.911        | 3.935      | VV       | 337            | 3612         | 0.04%          | 0.002%        |
| 15        | 3.951       | 3.935        | 4.004      | VV       | 500            | 11929        | 0.13%          | 0.007%        |
| 16        | 4.052       | 4.004        | 4.071      | VV       | 546            | 11420        | 0.12%          | 0.006%        |
| 17        | 4.076       | 4.071        | 4.121      | VV       | 418            | 6740         | 0.07%          | 0.004%        |
| 18        | 4.144       | 4.121        | 4.162      | VV       | 377            | 5428         | 0.06%          | 0.003%        |
| 19        | 4.229       | 4.162        | 4.248      | VV       | 404            | 13743        | 0.15%          | 0.008%        |
| 20        | 4.258       | 4.248        | 4.268      | VV       | 291            | 3103         | 0.03%          | 0.002%        |
| 21        | 4.290       | 4.268        | 4.333      | VV       | 285            | 6879         | 0.07%          | 0.004%        |
| 22        | 4.368       | 4.333        | 4.388      | PV       | 219            | 5651         | 0.06%          | 0.003%        |
| 23        | 4.393       | 4.388        | 4.420      | VV       | 206            | 3282         | 0.03%          | 0.002%        |
| 24        | 4.451       | 4.420        | 4.473      | VV       | 416550         | 3739138      | 39.80%         | 2.041%        |
| 25        | 4.495       | 4.473        | 4.540      | VV       | 479417         | 4265137      | 45.40%         | 2.328%        |
| 26        | 4.556       | 4.540        | 4.580      | VV       | 4816           | 55316        | 0.59%          | 0.030%        |
| 27        | 4.603       | 4.580        | 4.658      | VV       | 7336           | 84732        | 0.90%          | 0.046%        |
| 28        | 4.668       | 4.658        | 4.724      | VV       | 429            | 12052        | 0.13%          | 0.007%        |
| 29        | 4.734       | 4.724        | 4.775      | VV       | 294            | 6631         | 0.07%          | 0.004%        |
| 30        | 4.784       | 4.775        | 4.860      | VV       | 257            | 7946         | 0.08%          | 0.004%        |
| 31        | 4.870       | 4.860        | 4.894      | VV       | 121            | 2233         | 0.02%          | 0.001%        |
| 32        | 4.906       | 4.894        | 4.964      | VV       | 156            | 4074         | 0.04%          | 0.002%        |
| 33        | 4.971       | 4.964        | 5.034      | VV       | 123            | 3896         | 0.04%          | 0.002%        |
| 34        | 5.042       | 5.034        | 5.059      | VV       | 163            | 2009         | 0.02%          | 0.001%        |
| 35        | 5.107       | 5.059        | 5.119      | PV       | 191            | 4310         | 0.05%          | 0.002%        |
| 36        | 5.129       | 5.119        | 5.174      | VV       | 177            | 3245         | 0.03%          | 0.002%        |

|    |       |       |       |    | rteres |         |        |        |
|----|-------|-------|-------|----|--------|---------|--------|--------|
| 37 | 5.182 | 5.174 | 5.188 | VV | 124    | 741     | 0.01%  | 0.000% |
| 38 | 5.196 | 5.188 | 5.243 | VV | 138    | 2486    | 0.03%  | 0.001% |
| 39 | 5.259 | 5.243 | 5.268 | VV | 112    | 1124    | 0.01%  | 0.001% |
| 40 | 5.278 | 5.268 | 5.288 | VV | 100    | 969     | 0.01%  | 0.001% |
|    |       |       |       |    |        |         |        |        |
| 41 | 5.312 | 5.288 | 5.361 | VV | 327    | 6660    | 0.07%  | 0.004% |
| 42 | 5.391 | 5.361 | 5.403 | VV | 109    | 2027    | 0.02%  | 0.001% |
| 43 | 5.488 | 5.403 | 5.511 | VV | 1433   | 17259   | 0.18%  | 0.009% |
| 44 | 5.527 | 5.511 | 5.564 | VV | 549    | 10112   | 0.11%  | 0.006% |
| 45 | 5.603 | 5.564 | 5.634 | VV | 227    | 6765    | 0.07%  | 0.004% |
|    |       |       |       |    |        |         |        |        |
| 46 | 5.647 | 5.634 | 5.706 | VV | 172    | 3992    | 0.04%  | 0.002% |
| 47 | 5.741 | 5.706 | 5.774 | VV | 159    | 4057    | 0.04%  | 0.002% |
| 48 | 5.788 | 5.774 | 5.813 | VV | 252    | 3002    | 0.03%  | 0.002% |
| 49 | 5.835 | 5.813 | 5.891 | VV | 258    | 6125    | 0.07%  | 0.003% |
| 50 | 5.899 | 5.891 | 5.911 | VV | 171    | 1246    | 0.01%  | 0.001% |
|    |       |       |       |    |        |         |        |        |
| 51 | 5.923 | 5.911 | 5.971 | VV | 185    | 3772    | 0.04%  | 0.002% |
| 52 | 5.991 | 5.971 | 6.014 | VV | 168    | 2587    | 0.03%  | 0.001% |
| 53 | 6.045 | 6.014 | 6.171 | VV | 515090 | 4863739 | 51.77% | 2.654% |
| 54 | 6.189 | 6.171 | 6.254 | VV | 719    | 21974   | 0.23%  | 0.012% |
| 55 | 6.264 | 6.254 | 6.305 | VV | 328    | 7747    | 0.08%  | 0.004% |
|    |       |       |       |    |        |         |        |        |
| 56 | 6.321 | 6.305 | 6.388 | VV | 500    | 14945   | 0.16%  | 0.008% |
| 57 | 6.411 | 6.388 | 6.438 | VV | 323    | 7526    | 0.08%  | 0.004% |
| 58 | 6.473 | 6.438 | 6.533 | VV | 451235 | 4308019 | 45.85% | 2.351% |
| 59 | 6.549 | 6.533 | 6.604 | VV | 897    | 20549   | 0.22%  | 0.011% |
| 60 | 6.621 | 6.604 | 6.664 | VV | 426    | 10513   | 0.11%  | 0.006% |
|    |       |       |       |    |        |         |        |        |
| 61 | 6.677 | 6.664 | 6.703 | VV | 535    | 7935    | 0.08%  | 0.004% |
| 62 | 6.723 | 6.703 | 6.744 | VV | 549    | 8536    | 0.09%  | 0.005% |
| 63 | 6.762 | 6.744 | 6.785 | VV | 322    | 5889    | 0.06%  | 0.003% |
| 64 | 6.793 | 6.785 | 6.849 | VV | 234    | 6400    | 0.07%  | 0.003% |
| 65 | 6.893 | 6.849 | 6.934 | VV | 311    | 11098   | 0.12%  | 0.006% |
|    |       |       |       |    |        |         |        |        |
| 66 | 6.957 | 6.934 | 6.986 | VV | 3750   | 55385   | 0.59%  | 0.030% |
| 67 | 7.009 | 6.986 | 7.063 | VV | 12599  | 140487  | 1.50%  | 0.077% |
| 68 | 7.104 | 7.063 | 7.219 | VV | 469323 | 4663174 | 49.63% | 2.545% |
| 69 | 7.239 | 7.219 | 7.273 | VV | 1673   | 31760   | 0.34%  | 0.017% |
| 70 | 7.294 | 7.273 | 7.347 | VV | 2539   | 56173   | 0.60%  | 0.031% |
|    |       |       |       |    |        |         |        |        |
| 71 | 7.369 | 7.347 | 7.382 | VV | 1215   | 16605   | 0.18%  | 0.009% |
| 72 | 7.398 | 7.382 | 7.426 | VV | 1402   | 19147   | 0.20%  | 0.010% |
| 73 | 7.462 | 7.426 | 7.480 | VV | 705    | 14855   | 0.16%  | 0.008% |
| 74 | 7.490 | 7.480 | 7.513 | VV | 518    | 7030    | 0.07%  | 0.004% |
| 75 | 7.525 | 7.513 | 7.552 | VV | 272    | 4998    | 0.05%  | 0.003% |
|    |       |       |       |    |        |         |        |        |
| 76 | 7.576 | 7.552 | 7.601 | VV | 776    | 12030   | 0.13%  | 0.007% |
| 77 | 7.614 | 7.601 | 7.664 | VV | 357    | 10545   | 0.11%  | 0.006% |
| 78 | 7.817 | 7.791 | 7.844 | VV | 1016   | 29478   | 0.31%  | 0.016% |
| 79 | 7.851 | 7.844 | 7.924 | VV | 922    | 25766   | 0.27%  | 0.014% |
| 80 | 7.965 | 7.946 | 7.992 | VV | 569    | 11521   | 0.12%  | 0.006% |
|    |       |       |       |    |        |         |        |        |
| 81 | 8.021 | 7.992 | 8.102 | VV | 623    | 21476   | 0.23%  | 0.012% |
| 82 | 8.131 | 8.102 | 8.148 | VV | 278    | 6148    | 0.07%  | 0.003% |
| 83 | 8.172 | 8.148 | 8.201 | VV | 393    | 9541    | 0.10%  | 0.005% |
| 84 | 8.273 | 8.201 | 8.336 | VV | 474827 | 4811149 | 51.21% | 2.626% |
| 85 | 8.348 | 8.336 | 8.354 | VV | 473    | 4363    | 0.05%  | 0.002% |
|    |       |       |       |    |        |         |        |        |
| 86 | 8.389 | 8.354 | 8.553 | VV | 531467 | 5467224 | 58.19% | 2.984% |
| 87 | 8.687 | 8.653 | 8.863 | VV | 548368 | 5513313 | 58.68% | 3.009% |
| 88 | 8.904 | 8.863 | 8.936 | VV | 404    | 13719   | 0.15%  | 0.007% |
| 89 | 8.963 | 8.936 | 8.984 | VV | 750    | 14505   | 0.15%  | 0.008% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 90  | 8.992  | 8.984  | 9.067  | VV | 568    | 16088   | 0.17%  | 0.009% |
| 91  | 9.093  | 9.067  | 9.126  | VV | 1108   | 17898   | 0.19%  | 0.010% |
| 92  | 9.150  | 9.126  | 9.185  | VV | 382    | 9827    | 0.10%  | 0.005% |
| 93  | 9.195  | 9.185  | 9.261  | VV | 341    | 8857    | 0.09%  | 0.005% |
| 94  | 9.280  | 9.261  | 9.317  | VV | 257    | 5301    | 0.06%  | 0.003% |
| 95  | 9.338  | 9.317  | 9.358  | VV | 275    | 3683    | 0.04%  | 0.002% |
| 96  | 9.375  | 9.358  | 9.418  | PV | 132    | 3001    | 0.03%  | 0.002% |
| 97  | 9.472  | 9.418  | 9.584  | VV | 527956 | 5623264 | 59.85% | 3.069% |
| 98  | 9.588  | 9.584  | 9.611  | VV | 491    | 7105    | 0.08%  | 0.004% |
| 99  | 9.620  | 9.611  | 9.640  | VV | 449    | 7272    | 0.08%  | 0.004% |
| 100 | 9.683  | 9.640  | 9.721  | VV | 7412   | 106204  | 1.13%  | 0.058% |
| 101 | 9.747  | 9.721  | 9.838  | VV | 29502  | 378711  | 4.03%  | 0.207% |
| 102 | 9.874  | 9.838  | 9.909  | VV | 472259 | 5114102 | 54.43% | 2.791% |
| 103 | 9.918  | 9.909  | 9.958  | VV | 855    | 16518   | 0.18%  | 0.009% |
| 104 | 9.974  | 9.958  | 10.078 | VV | 521    | 18479   | 0.20%  | 0.010% |
| 105 | 10.098 | 10.078 | 10.132 | VV | 1234   | 15013   | 0.16%  | 0.008% |
| 106 | 10.159 | 10.132 | 10.191 | VV | 440    | 6970    | 0.07%  | 0.004% |
| 107 | 10.219 | 10.191 | 10.245 | VV | 3544   | 41180   | 0.44%  | 0.022% |
| 108 | 10.263 | 10.245 | 10.277 | VV | 351    | 5002    | 0.05%  | 0.003% |
| 109 | 10.286 | 10.277 | 10.299 | VV | 217    | 2360    | 0.03%  | 0.001% |
| 110 | 10.318 | 10.299 | 10.342 | VV | 348    | 5465    | 0.06%  | 0.003% |
| 111 | 10.358 | 10.342 | 10.380 | VV | 194    | 3062    | 0.03%  | 0.002% |
| 112 | 10.395 | 10.380 | 10.454 | PV | 229    | 5183    | 0.06%  | 0.003% |
| 113 | 10.469 | 10.454 | 10.481 | VV | 432    | 3043    | 0.03%  | 0.002% |
| 114 | 10.487 | 10.481 | 10.510 | VV | 233    | 3881    | 0.04%  | 0.002% |
| 115 | 10.532 | 10.510 | 10.557 | VV | 352    | 7046    | 0.07%  | 0.004% |
| 116 | 10.569 | 10.557 | 10.593 | VV | 299    | 5028    | 0.05%  | 0.003% |
| 117 | 10.611 | 10.593 | 10.645 | VV | 444    | 7784    | 0.08%  | 0.004% |
| 118 | 10.679 | 10.645 | 10.761 | VV | 3946   | 59433   | 0.63%  | 0.032% |
| 119 | 10.770 | 10.761 | 10.782 | VV | 138    | 1146    | 0.01%  | 0.001% |
| 120 | 10.792 | 10.782 | 10.799 | VV | 93     | 714     | 0.01%  | 0.000% |
| 121 | 10.877 | 10.799 | 10.918 | VV | 490998 | 5387166 | 57.34% | 2.940% |
| 122 | 10.953 | 10.918 | 11.092 | VV | 490767 | 5403180 | 57.51% | 2.949% |
| 123 | 11.119 | 11.092 | 11.154 | VV | 3024   | 42237   | 0.45%  | 0.023% |
| 124 | 11.176 | 11.154 | 11.228 | VV | 2554   | 45868   | 0.49%  | 0.025% |
| 125 | 11.246 | 11.228 | 11.271 | VV | 728    | 12773   | 0.14%  | 0.007% |
| 126 | 11.319 | 11.271 | 11.381 | VV | 448512 | 5142620 | 54.74% | 2.807% |
| 127 | 11.402 | 11.381 | 11.458 | VV | 640    | 16151   | 0.17%  | 0.009% |
| 128 | 11.480 | 11.458 | 11.495 | VV | 474    | 6290    | 0.07%  | 0.003% |
| 129 | 11.512 | 11.495 | 11.544 | VV | 298    | 5325    | 0.06%  | 0.003% |
| 130 | 11.574 | 11.544 | 11.585 | VV | 180    | 2872    | 0.03%  | 0.002% |
| 131 | 11.641 | 11.585 | 11.698 | VV | 468702 | 5109563 | 54.38% | 2.789% |
| 132 | 11.712 | 11.698 | 11.725 | VV | 809    | 11131   | 0.12%  | 0.006% |
| 133 | 11.736 | 11.725 | 11.756 | VV | 813    | 11438   | 0.12%  | 0.006% |
| 134 | 11.797 | 11.756 | 11.818 | VV | 1141   | 30216   | 0.32%  | 0.016% |
| 135 | 11.829 | 11.818 | 11.844 | VV | 624    | 7839    | 0.08%  | 0.004% |
| 136 | 11.861 | 11.844 | 11.896 | VV | 610    | 10130   | 0.11%  | 0.006% |
| 137 | 11.919 | 11.896 | 11.942 | VV | 210    | 4131    | 0.04%  | 0.002% |
| 138 | 11.981 | 11.942 | 12.024 | VV | 506    | 13900   | 0.15%  | 0.008% |
| 139 | 12.048 | 12.024 | 12.064 | VV | 494    | 8616    | 0.09%  | 0.005% |
| 140 | 12.079 | 12.064 | 12.129 | VV | 679    | 9628    | 0.10%  | 0.005% |
| 141 | 12.160 | 12.129 | 12.188 | PV | 228    | 3920    | 0.04%  | 0.002% |

|     |        |        |        |    | rteres |         |         |        |
|-----|--------|--------|--------|----|--------|---------|---------|--------|
| 142 | 12.203 | 12.188 | 12.214 | VV | 176    | 2082    | 0.02%   | 0.001% |
| 143 | 12.238 | 12.214 | 12.300 | VV | 4092   | 67361   | 0.72%   | 0.037% |
| 144 | 12.344 | 12.300 | 12.408 | VV | 1330   | 46195   | 0.49%   | 0.025% |
| 145 | 12.452 | 12.408 | 12.505 | VV | 1223   | 27982   | 0.30%   | 0.015% |
| 146 | 12.533 | 12.505 | 12.546 | VV | 390    | 6209    | 0.07%   | 0.003% |
| 147 | 12.574 | 12.546 | 12.591 | VV | 674    | 13826   | 0.15%   | 0.008% |
| 148 | 12.630 | 12.591 | 12.663 | VV | 416001 | 5067330 | 53.93%  | 2.766% |
| 149 | 12.700 | 12.663 | 12.814 | VV | 470496 | 5180055 | 55.13%  | 2.827% |
| 150 | 12.835 | 12.814 | 12.858 | VV | 851    | 13331   | 0.14%   | 0.007% |
| 151 | 12.882 | 12.858 | 12.920 | VV | 5320   | 65503   | 0.70%   | 0.036% |
| 152 | 12.940 | 12.920 | 12.959 | VV | 386    | 6640    | 0.07%   | 0.004% |
| 153 | 13.000 | 12.959 | 13.038 | VV | 447938 | 5066253 | 53.92%  | 2.765% |
| 154 | 13.075 | 13.038 | 13.148 | VV | 351833 | 4233763 | 45.06%  | 2.311% |
| 155 | 13.181 | 13.148 | 13.204 | VV | 555    | 12702   | 0.14%   | 0.007% |
| 156 | 13.242 | 13.204 | 13.321 | VV | 390053 | 4954140 | 52.73%  | 2.704% |
| 157 | 13.336 | 13.321 | 13.375 | VV | 255    | 5765    | 0.06%   | 0.003% |
| 158 | 13.419 | 13.375 | 13.431 | VV | 209    | 5272    | 0.06%   | 0.003% |
| 159 | 13.455 | 13.431 | 13.501 | VV | 539    | 11588   | 0.12%   | 0.006% |
| 160 | 13.588 | 13.501 | 13.606 | VV | 961    | 19110   | 0.20%   | 0.010% |
| 161 | 13.618 | 13.606 | 13.637 | VV | 616    | 7940    | 0.08%   | 0.004% |
| 162 | 13.668 | 13.637 | 13.686 | VV | 1020   | 17574   | 0.19%   | 0.010% |
| 163 | 13.695 | 13.686 | 13.721 | VV | 580    | 8636    | 0.09%   | 0.005% |
| 164 | 13.740 | 13.721 | 13.758 | VV | 569    | 8712    | 0.09%   | 0.005% |
| 165 | 13.777 | 13.758 | 13.791 | VV | 821    | 11858   | 0.13%   | 0.006% |
| 166 | 13.829 | 13.791 | 13.895 | VV | 390753 | 4848383 | 51.60%  | 2.646% |
| 167 | 13.907 | 13.895 | 13.932 | VV | 555    | 8625    | 0.09%   | 0.005% |
| 168 | 13.955 | 13.932 | 13.987 | VV | 1070   | 16148   | 0.17%   | 0.009% |
| 169 | 14.009 | 13.987 | 14.121 | VV | 658    | 18552   | 0.20%   | 0.010% |
| 170 | 14.125 | 14.121 | 14.141 | VV | 112    | 919     | 0.01%   | 0.001% |
| 171 | 14.151 | 14.141 | 14.159 | VV | 107    | 795     | 0.01%   | 0.000% |
| 172 | 14.223 | 14.159 | 14.244 | PV | 785    | 15118   | 0.16%   | 0.008% |
| 173 | 14.264 | 14.244 | 14.314 | VV | 971    | 19356   | 0.21%   | 0.011% |
| 174 | 14.331 | 14.314 | 14.361 | VV | 524    | 9153    | 0.10%   | 0.005% |
| 175 | 14.391 | 14.361 | 14.440 | VV | 1026   | 20888   | 0.22%   | 0.011% |
| 176 | 14.455 | 14.440 | 14.478 | VV | 337    | 5697    | 0.06%   | 0.003% |
| 177 | 14.501 | 14.478 | 14.541 | VV | 555    | 13565   | 0.14%   | 0.007% |
| 178 | 14.565 | 14.541 | 14.601 | VV | 855    | 15888   | 0.17%   | 0.009% |
| 179 | 14.624 | 14.601 | 14.661 | VV | 475    | 12350   | 0.13%   | 0.007% |
| 180 | 14.672 | 14.661 | 14.707 | VV | 199    | 4741    | 0.05%   | 0.003% |
| 181 | 14.780 | 14.707 | 14.806 | VV | 419    | 14588   | 0.16%   | 0.008% |
| 182 | 14.833 | 14.806 | 14.841 | VV | 581    | 7189    | 0.08%   | 0.004% |
| 183 | 14.881 | 14.841 | 14.901 | VV | 360860 | 4658970 | 49.59%  | 2.543% |
| 184 | 14.928 | 14.901 | 15.021 | VV | 685650 | 9395479 | 100.00% | 5.128% |
| 185 | 15.040 | 15.021 | 15.088 | VV | 1021   | 27050   | 0.29%   | 0.015% |
| 186 | 15.107 | 15.088 | 15.165 | VV | 597    | 15921   | 0.17%   | 0.009% |
| 187 | 15.230 | 15.165 | 15.271 | VV | 704    | 18908   | 0.20%   | 0.010% |
| 188 | 15.312 | 15.271 | 15.391 | VV | 11810  | 215905  | 2.30%   | 0.118% |
| 189 | 15.408 | 15.391 | 15.428 | VV | 331    | 5835    | 0.06%   | 0.003% |
| 190 | 15.451 | 15.428 | 15.491 | VV | 1874   | 32585   | 0.35%   | 0.018% |
| 191 | 15.512 | 15.491 | 15.536 | VV | 543    | 9479    | 0.10%   | 0.005% |
| 192 | 15.553 | 15.536 | 15.578 | VV | 971    | 14143   | 0.15%   | 0.008% |
| 193 | 15.587 | 15.578 | 15.613 | VV | 478    | 6729    | 0.07%   | 0.004% |
| 194 | 15.641 | 15.613 | 15.667 | VV | 499    | 7397    | 0.08%   | 0.004% |

|     |        |        |        |    |        |         |        |        |
|-----|--------|--------|--------|----|--------|---------|--------|--------|
|     |        |        |        |    | rteres |         |        |        |
| 195 | 15.714 | 15.667 | 15.764 | VV | 547    | 16235   | 0.17%  | 0.009% |
| 196 | 15.782 | 15.764 | 15.801 | VV | 215    | 3832    | 0.04%  | 0.002% |
| 197 | 15.830 | 15.801 | 15.861 | VV | 519    | 9220    | 0.10%  | 0.005% |
| 198 | 15.957 | 15.861 | 16.034 | VV | 332940 | 4414985 | 46.99% | 2.410% |
| 199 | 16.046 | 16.034 | 16.064 | VV | 190    | 2593    | 0.03%  | 0.001% |
| 200 | 16.079 | 16.064 | 16.106 | VV | 135    | 2219    | 0.02%  | 0.001% |
| 201 | 16.156 | 16.106 | 16.211 | PV | 773    | 14876   | 0.16%  | 0.008% |
| 202 | 16.229 | 16.211 | 16.238 | PV | 222    | 2334    | 0.02%  | 0.001% |
| 203 | 16.262 | 16.238 | 16.280 | VV | 308    | 5654    | 0.06%  | 0.003% |
| 204 | 16.332 | 16.280 | 16.369 | VV | 1144   | 27049   | 0.29%  | 0.015% |
| 205 | 16.442 | 16.369 | 16.459 | VV | 321043 | 4528270 | 48.20% | 2.471% |
| 206 | 16.477 | 16.459 | 16.544 | VV | 383618 | 4555800 | 48.49% | 2.486% |
| 207 | 16.570 | 16.544 | 16.662 | VV | 10466  | 169598  | 1.81%  | 0.093% |
| 208 | 16.692 | 16.662 | 16.718 | VV | 2120   | 33412   | 0.36%  | 0.018% |
| 209 | 16.759 | 16.718 | 16.783 | VV | 2577   | 49537   | 0.53%  | 0.027% |
| 210 | 16.825 | 16.783 | 16.867 | VV | 335061 | 4375296 | 46.57% | 2.388% |
| 211 | 16.906 | 16.867 | 17.015 | VV | 310639 | 4322323 | 46.00% | 2.359% |
| 212 | 17.072 | 17.015 | 17.105 | VV | 372    | 13904   | 0.15%  | 0.008% |
| 213 | 17.114 | 17.105 | 17.150 | VV | 138    | 3224    | 0.03%  | 0.002% |
| 214 | 17.189 | 17.150 | 17.224 | VV | 540    | 14034   | 0.15%  | 0.008% |
| 215 | 17.243 | 17.224 | 17.253 | VV | 308    | 4661    | 0.05%  | 0.003% |
| 216 | 17.279 | 17.253 | 17.299 | VV | 561    | 11165   | 0.12%  | 0.006% |
| 217 | 17.354 | 17.299 | 17.391 | VV | 8609   | 130677  | 1.39%  | 0.071% |
| 218 | 17.439 | 17.391 | 17.464 | VV | 373    | 9349    | 0.10%  | 0.005% |
| 219 | 17.482 | 17.464 | 17.498 | VV | 338    | 4849    | 0.05%  | 0.003% |
| 220 | 17.522 | 17.498 | 17.563 | VV | 350    | 5556    | 0.06%  | 0.003% |
| 221 | 17.578 | 17.563 | 17.591 | PV | 170    | 2001    | 0.02%  | 0.001% |
| 222 | 17.685 | 17.591 | 17.710 | VV | 913    | 18375   | 0.20%  | 0.010% |
| 223 | 17.796 | 17.710 | 17.861 | VV | 292381 | 4080233 | 43.43% | 2.227% |
| 224 | 17.884 | 17.861 | 17.934 | VV | 873    | 16863   | 0.18%  | 0.009% |
| 225 | 17.995 | 17.934 | 18.041 | VV | 407    | 13972   | 0.15%  | 0.008% |
| 226 | 18.063 | 18.041 | 18.081 | VV | 315    | 4769    | 0.05%  | 0.003% |
| 227 | 18.101 | 18.081 | 18.113 | PV | 494    | 7263    | 0.08%  | 0.004% |
| 228 | 18.200 | 18.113 | 18.216 | VV | 298994 | 4375345 | 46.57% | 2.388% |
| 229 | 18.237 | 18.216 | 18.379 | VV | 319380 | 4387886 | 46.70% | 2.395% |
| 230 | 18.387 | 18.379 | 18.411 | VV | 764    | 12731   | 0.14%  | 0.007% |
| 231 | 18.457 | 18.411 | 18.553 | VV | 299417 | 4274364 | 45.49% | 2.333% |
| 232 | 18.628 | 18.553 | 18.695 | VV | 275464 | 3989656 | 42.46% | 2.177% |
| 233 | 18.728 | 18.695 | 18.755 | VV | 870    | 18333   | 0.20%  | 0.010% |
| 234 | 18.785 | 18.755 | 18.817 | VV | 338    | 7949    | 0.08%  | 0.004% |
| 235 | 18.883 | 18.817 | 18.907 | PV | 817    | 15246   | 0.16%  | 0.008% |
| 236 | 18.938 | 18.907 | 18.954 | VV | 597    | 12181   | 0.13%  | 0.007% |
| 237 | 18.987 | 18.954 | 18.997 | VV | 2635   | 41970   | 0.45%  | 0.023% |
| 238 | 19.022 | 18.997 | 19.077 | VV | 13228  | 220181  | 2.34%  | 0.120% |
| 239 | 19.106 | 19.077 | 19.154 | VV | 637    | 21554   | 0.23%  | 0.012% |
| 240 | 19.225 | 19.154 | 19.243 | VV | 841    | 26785   | 0.29%  | 0.015% |
| 241 | 19.272 | 19.243 | 19.298 | VV | 1328   | 27561   | 0.29%  | 0.015% |
| 242 | 19.318 | 19.298 | 19.352 | VV | 1028   | 22796   | 0.24%  | 0.012% |
| 243 | 19.413 | 19.352 | 19.499 | VV | 254128 | 3929797 | 41.83% | 2.145% |
| 244 | 19.519 | 19.499 | 19.546 | VV | 1651   | 38964   | 0.41%  | 0.021% |
| 245 | 19.652 | 19.546 | 19.665 | VV | 2058   | 115822  | 1.23%  | 0.063% |
| 246 | 19.696 | 19.665 | 19.725 | VV | 2700   | 78856   | 0.84%  | 0.043% |

| rteres                  |        |        |        |    |        |           |        |        |
|-------------------------|--------|--------|--------|----|--------|-----------|--------|--------|
| 247                     | 19.785 | 19.725 | 19.818 | VV | 11136  | 243378    | 2.59%  | 0.133% |
| 248                     | 19.844 | 19.818 | 19.861 | VV | 2346   | 56797     | 0.60%  | 0.031% |
| 249                     | 20.013 | 19.861 | 20.041 | VV | 4263   | 318793    | 3.39%  | 0.174% |
| 250                     | 20.061 | 20.041 | 20.088 | VV | 4025   | 103698    | 1.10%  | 0.057% |
| 251                     | 20.153 | 20.088 | 20.238 | VV | 241397 | 3862980   | 41.12% | 2.108% |
| 252                     | 20.314 | 20.238 | 20.334 | VV | 7363   | 331756    | 3.53%  | 0.181% |
| 253                     | 20.378 | 20.334 | 20.456 | VV | 8135   | 472792    | 5.03%  | 0.258% |
| 254                     | 20.466 | 20.456 | 20.471 | VV | 4992   | 44684     | 0.48%  | 0.024% |
| 255                     | 20.510 | 20.471 | 20.567 | VV | 9748   | 363745    | 3.87%  | 0.199% |
| 256                     | 20.588 | 20.567 | 20.640 | VV | 4942   | 210235    | 2.24%  | 0.115% |
| 257                     | 20.691 | 20.640 | 20.726 | VV | 5084   | 250120    | 2.66%  | 0.137% |
| 258                     | 20.756 | 20.726 | 20.788 | VV | 4783   | 171294    | 1.82%  | 0.093% |
| 259                     | 20.811 | 20.788 | 20.851 | VV | 4629   | 168266    | 1.79%  | 0.092% |
| 260                     | 20.910 | 20.851 | 21.000 | VV | 198879 | 3778083   | 40.21% | 2.062% |
| 261                     | 21.010 | 21.000 | 21.034 | VV | 4105   | 84118     | 0.90%  | 0.046% |
| 262                     | 21.079 | 21.034 | 21.103 | VV | 4042   | 162647    | 1.73%  | 0.089% |
| 263                     | 21.114 | 21.103 | 21.157 | VV | 3923   | 121477    | 1.29%  | 0.066% |
| 264                     | 21.186 | 21.157 | 21.205 | VV | 3692   | 104746    | 1.11%  | 0.057% |
| 265                     | 21.235 | 21.205 | 21.300 | VV | 3750   | 203275    | 2.16%  | 0.111% |
| 266                     | 21.353 | 21.300 | 21.423 | VV | 5069   | 273410    | 2.91%  | 0.149% |
| 267                     | 21.434 | 21.423 | 21.447 | VV | 3099   | 43773     | 0.47%  | 0.024% |
| 268                     | 21.473 | 21.447 | 21.524 | VV | 3073   | 133504    | 1.42%  | 0.073% |
| 269                     | 21.532 | 21.524 | 21.544 | VV | 2770   | 33996     | 0.36%  | 0.019% |
| 270                     | 21.585 | 21.544 | 21.636 | VV | 2722   | 141771    | 1.51%  | 0.077% |
| 271                     | 21.664 | 21.636 | 21.721 | VV | 2484   | 118891    | 1.27%  | 0.065% |
| 272                     | 21.861 | 21.721 | 22.001 | VV | 129902 | 3619575   | 38.52% | 1.975% |
| 273                     | 22.076 | 22.001 | 22.242 | VV | 1783   | 154854    | 1.65%  | 0.085% |
| 274                     | 22.250 | 22.242 | 22.328 | VV | 524    | 18561     | 0.20%  | 0.010% |
| 275                     | 22.338 | 22.328 | 22.349 | VV | 202    | 1904      | 0.02%  | 0.001% |
| 276                     | 22.354 | 22.349 | 22.374 | VV | 124    | 972       | 0.01%  | 0.001% |
| Sum of corrected areas: |        |        |        |    |        | 183230043 |        |        |

Aliphatic EPH 100725.M Wed Oct 29 08:14:48 2025



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

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FC100725AL | Instrument | FID_c |
|-----------|------------|------------|-------|

| Sample ID              | File ID    | Parameter                   | Review By | Review On                | Supervised By | Supervised On     | Reason                      |
|------------------------|------------|-----------------------------|-----------|--------------------------|---------------|-------------------|-----------------------------|
| 10 PPM<br>ALIPHATIC HC | FC069940.D | n-Tetratriacontane<br>(C34) | yogesh    | 10/7/2025<br>10:33:24 AM | mohammad      | 10/8/2025 3:35:18 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FC102825AL

Instrument

FID\_c

| Sample ID              | File ID    | Parameter                   | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------------------|------------|-----------------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| 20 PPM<br>ALIPHATIC HC | FC070069.D | n-Dotriacontane (C32)       | yogesh    | 10/29/2025<br>8:59:43 AM | Sohil         | 10/29/2025<br>4:08:32 | Peak Integrated by Software |
| 20 PPM<br>ALIPHATIC HC | FC070069.D | n-Tetratriacontane<br>(C34) | yogesh    | 10/29/2025<br>8:59:43 AM | Sohil         | 10/29/2025<br>4:08:32 | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

FE101725AL

Instrument

FID\_e

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FE102825AL | Instrument | FID_e |
|-----------|------------|------------|-------|

| Sample ID           | File ID    | Parameter               | Review By | Review On             | Supervised By | Supervised On      | Reason                      |
|---------------------|------------|-------------------------|-----------|-----------------------|---------------|--------------------|-----------------------------|
| 20 PPM ALIPHATIC HC | FE056532.D | n-Dotriacontane (C32)   | yogesh    | 10/29/2025 8:33:32 AM | Sohil         | 10/29/2025 4:07:42 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE056532.D | n-Octacosane (C28)      | yogesh    | 10/29/2025 8:33:32 AM | Sohil         | 10/29/2025 4:07:42 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE056532.D | n-Octatriacontane (C38) | yogesh    | 10/29/2025 8:33:32 AM | Sohil         | 10/29/2025 4:07:42 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE056532.D | n-Tetracontane (C40)    | yogesh    | 10/29/2025 8:33:32 AM | Sohil         | 10/29/2025 4:07:42 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE056535.D | n-Dotriacontane (C32)   | yogesh    | 10/29/2025 8:33:34 AM | Sohil         | 10/29/2025 4:07:44 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE056535.D | n-Octacosane (C28)      | yogesh    | 10/29/2025 8:33:34 AM | Sohil         | 10/29/2025 4:07:44 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE056535.D | n-Octatriacontane (C38) | yogesh    | 10/29/2025 8:33:34 AM | Sohil         | 10/29/2025 4:07:44 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE056535.D | n-Tetracontane (C40)    | yogesh    | 10/29/2025 8:33:34 AM | Sohil         | 10/29/2025 4:07:44 | Peak Integrated by Software |
| Q3452-02            | FE056537.D | ortho-Terphenyl (SURR)  | yogesh    | 10/29/2025 8:33:35 AM | Sohil         | 10/29/2025 4:07:45 | Peak Integrated by Software |
| Q3465-01            | FE056538.D | ortho-Terphenyl (SURR)  | yogesh    | 10/29/2025 8:33:37 AM | Sohil         | 10/29/2025 4:07:47 | Peak Integrated by Software |
| Q3465-02            | FE056539.D | ortho-Terphenyl (SURR)  | yogesh    | 10/29/2025 8:33:38 AM | Sohil         | 10/29/2025 4:07:49 | Peak Integrated by Software |
| Q3472-12            | FE056547.D | ortho-Terphenyl (SURR)  | yogesh    | 10/29/2025 8:33:40 AM | Sohil         | 10/29/2025 4:07:51 | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE056550.D | n-Dotriacontane (C32)   | yogesh    | 10/29/2025 8:33:42 AM | Sohil         | 10/29/2025 4:07:53 | Peak Integrated by Software |

## Manual Integration Report

Sequence:

FE102825AL

Instrument

FID\_e

| Sample ID              | File ID    | Parameter               | Review By | Review On                | Supervised By | Supervised On         | Reason                      |
|------------------------|------------|-------------------------|-----------|--------------------------|---------------|-----------------------|-----------------------------|
| 20 PPM<br>ALIPHATIC HC | FE056550.D | n-Octacosane (C28)      | yogesh    | 10/29/2025<br>8:33:42 AM | Sohil         | 10/29/2025<br>4:07:53 | Peak Integrated by Software |
| 20 PPM<br>ALIPHATIC HC | FE056550.D | n-Octatriacontane (C38) | yogesh    | 10/29/2025<br>8:33:42 AM | Sohil         | 10/29/2025<br>4:07:53 | Peak Integrated by Software |
| 20 PPM<br>ALIPHATIC HC | FE056550.D | n-Tetracontane (C40)    | yogesh    | 10/29/2025<br>8:33:42 AM | Sohil         | 10/29/2025<br>4:07:53 | Peak Integrated by Software |

## Manual Integration Report

|           |            |            |       |
|-----------|------------|------------|-------|
| Sequence: | FE102925AL | Instrument | FID_e |
|-----------|------------|------------|-------|

| Sample ID           | File ID    | Parameter                | Review By | Review On             | Supervised By | Supervised On | Reason                      |
|---------------------|------------|--------------------------|-----------|-----------------------|---------------|---------------|-----------------------------|
| 20 PPM ALIPHATIC HC | FE056553.D | n-Octatriacontane (C38)  | yogesh    | 10/30/2025 7:19:52 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q3472-12DL          | FE056559.D | ortho-Terphenyl (SURR)   | yogesh    | 10/30/2025 7:19:53 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| 20 PPM ALIPHATIC HC | FE056563.D | n-Octatriacontane (C38)  | yogesh    | 10/30/2025 7:19:55 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PB170307BS          | FE056565.D | n-Decane (C10)           | yogesh    | 10/30/2025 7:19:56 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PB170307BS          | FE056565.D | n-Octacosane (C28)       | yogesh    | 10/30/2025 7:19:56 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PB170307BS          | FE056565.D | n-Tetratriacontane (C34) | yogesh    | 10/30/2025 7:19:56 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PB170307BSD         | FE056566.D | n-Decane (C10)           | yogesh    | 10/30/2025 7:19:58 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PB170307BSD         | FE056566.D | n-Octacosane (C28)       | yogesh    | 10/30/2025 7:19:58 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q3480-01MS          | FE056569.D | n-Decane (C10)           | yogesh    | 10/30/2025 7:20:00 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q3480-01MS          | FE056569.D | n-Octacosane (C28)       | yogesh    | 10/30/2025 7:20:00 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q3480-01MS          | FE056569.D | n-Tetratriacontane (C34) | yogesh    | 10/30/2025 7:20:00 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q3480-01MSD         | FE056570.D | n-Decane (C10)           | yogesh    | 10/30/2025 7:20:01 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q3480-01MSD         | FE056570.D | n-Hexatriacontane (C36)  | yogesh    | 10/30/2025 7:20:01 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

FE102925AL

Instrument

FID\_e

| Sample ID   | File ID    | Parameter          | Review By | Review On                | Supervised By | Supervised On | Reason                      |
|-------------|------------|--------------------|-----------|--------------------------|---------------|---------------|-----------------------------|
| Q3480-01MSD | FE056570.D | n-Octacosane (C28) | yogesh    | 10/30/2025<br>7:20:01 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC100725AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 10/7/2025 10:33:30 AM           |
| Supervise By                                                       | mohammad                                | Supervise On      | 10/8/2025 3:35:18 AM            |
| SubDirectory                                                       | FC100725AL                              | HP Acquire Method | HP Processing Method FC100725AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24771                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24769,PP24774                         |                   |                                 |

| Sr# | SampleId                    | Data File Name | Date-Time         | Operator | Status |
|-----|-----------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                       | FC069935.D     | 06 Oct 2025 14:47 | YP/AJ    | Ok     |
| 2   | I.BLK                       | FC069936.D     | 06 Oct 2025 15:31 | YP/AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC STD1   | FC069937.D     | 06 Oct 2025 16:17 | YP/AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC STD2    | FC069938.D     | 06 Oct 2025 17:03 | YP/AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC STD3    | FC069939.D     | 06 Oct 2025 17:50 | YP/AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC STD4    | FC069940.D     | 06 Oct 2025 18:35 | YP/AJ    | Ok,M   |
| 7   | 5 PPM ALIPHATIC HC STD5     | FC069941.D     | 06 Oct 2025 19:19 | YP/AJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC STD ICV | FC069942.D     | 06 Oct 2025 20:02 | YP/AJ    | Ok     |
| 9   | I.BLK                       | FC069943.D     | 06 Oct 2025 21:29 | YP/AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC STD     | FC069944.D     | 06 Oct 2025 22:12 | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC102825AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 10/28/2025 11:27:07 AM          |
| Supervise By                                                       | Sohil                                   | Supervise On      | 10/29/2025 4:08:37 PM           |
| SubDirectory                                                       | FC102825AL                              | HP Acquire Method | HP Processing Method FC100725AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24771                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24769,PP24774                         |                   |                                 |

| Sr# | SampleId                | Data File Name | Date-Time         | Operator | Status |
|-----|-------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                   | FC070057.D     | 28 Oct 2025 08:33 | YP/AJ    | Ok     |
| 2   | I.BLK                   | FC070058.D     | 28 Oct 2025 11:20 | YP/AJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC STD | FC070059.D     | 28 Oct 2025 11:59 | YP/AJ    | Ok     |
| 4   | PB170266BL              | FC070060.D     | 28 Oct 2025 13:19 | YP/AJ    | Ok     |
| 5   | PB170266BS              | FC070061.D     | 28 Oct 2025 13:58 | YP/AJ    | Ok     |
| 6   | PB170266BSD             | FC070062.D     | 28 Oct 2025 14:38 | YP/AJ    | Ok     |
| 7   | Q3469-01                | FC070063.D     | 28 Oct 2025 15:18 | YP/AJ    | Ok     |
| 8   | Q3469-01D               | FC070064.D     | 28 Oct 2025 15:59 | YP/AJ    | Ok     |
| 9   | Q3469-01MS              | FC070065.D     | 28 Oct 2025 16:39 | YP/AJ    | Ok     |
| 10  | Q3469-01MSD             | FC070066.D     | 28 Oct 2025 17:20 | YP/AJ    | Ok     |
| 11  | Q3469-02                | FC070067.D     | 28 Oct 2025 18:01 | YP/AJ    | Ok     |
| 12  | I.BLK                   | FC070068.D     | 28 Oct 2025 19:22 | YP/AJ    | Ok     |
| 13  | 20 PPM ALIPHATIC HC STD | FC070069.D     | 28 Oct 2025 20:03 | YP/AJ    | Ok,M   |

M : Manual Integration

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE101725AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 10/16/2025 2:50:14 PM           |
| Supervise By                                                       | Sohil                                   | Supervise On      | 10/17/2025 1:12:44 PM           |
| SubDirectory                                                       | FE101725AL                              | HP Acquire Method | HP Processing Method FE101725AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24771                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24769,PP24774                         |                   |                                 |

| Sr# | SampleId                    | Data File Name | Date-Time         | Operator | Status |
|-----|-----------------------------|----------------|-------------------|----------|--------|
| 1   | MECL2                       | FE056349.D     | 16 Oct 2025 16:29 | YP\AJ    | Ok     |
| 2   | I.BLK                       | FE056350.D     | 16 Oct 2025 16:59 | YP\AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC STD1   | FE056351.D     | 16 Oct 2025 17:30 | YP\AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC STD2    | FE056352.D     | 16 Oct 2025 18:00 | YP\AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC STD3    | FE056353.D     | 16 Oct 2025 18:30 | YP\AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC STD4    | FE056354.D     | 16 Oct 2025 19:00 | YP\AJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC STD5     | FE056355.D     | 16 Oct 2025 19:31 | YP\AJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC STD ICV | FE056356.D     | 16 Oct 2025 20:01 | YP\AJ    | Ok     |
| 9   | I.BLK                       | FE056357.D     | 16 Oct 2025 21:01 | YP\AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC STD     | FE056358.D     | 16 Oct 2025 21:32 | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE102825AL**

|                                                                                                    |                                         |                   |                                 |
|----------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                                                          | yogesh                                  | Review On         | 10/28/2025 10:23:15 AM          |
| Supervise By                                                                                       | Sohil                                   | Supervise On      | 10/29/2025 4:08:02 PM           |
| SubDirectory                                                                                       | FE102825AL                              | HP Acquire Method | HP Processing Method FE101725AL |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                                                            | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24771<br><br>PP24769,PP24774          |                   |                                 |

| Sr# | SampleId                | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------------------|----------------|-------------------|----------|----------|
| 1   | MECL2                   | FE056530.D     | 28 Oct 2025 08:07 | YP\AJ    | Ok       |
| 2   | I.BLK                   | FE056531.D     | 28 Oct 2025 08:37 | YP\AJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC STD | FE056532.D     | 28 Oct 2025 09:08 | YP\AJ    | Ok,M     |
| 4   | PP25012                 | FE056533.D     | 28 Oct 2025 09:45 | YP\AJ    | Ok       |
| 5   | I.BLK                   | FE056534.D     | 28 Oct 2025 11:49 | YP\AJ    | Ok       |
| 6   | 20 PPM ALIPHATIC HC STD | FE056535.D     | 28 Oct 2025 12:49 | YP\AJ    | Ok,M     |
| 7   | Q3452-01                | FE056536.D     | 28 Oct 2025 13:24 | YP\AJ    | Ok       |
| 8   | Q3452-02                | FE056537.D     | 28 Oct 2025 13:54 | YP\AJ    | Ok,M     |
| 9   | Q3465-01                | FE056538.D     | 28 Oct 2025 14:24 | YP\AJ    | Ok,M     |
| 10  | Q3465-02                | FE056539.D     | 28 Oct 2025 14:54 | YP\AJ    | Ok,M     |
| 11  | Q3466-02                | FE056540.D     | 28 Oct 2025 15:24 | YP\AJ    | Ok       |
| 12  | Q3466-05                | FE056541.D     | 28 Oct 2025 15:55 | YP\AJ    | ReRun    |
| 13  | Q3466-07                | FE056542.D     | 28 Oct 2025 16:25 | YP\AJ    | Ok       |
| 14  | Q3472-04DL              | FE056543.D     | 28 Oct 2025 16:55 | YP\AJ    | Ok       |
| 15  | Q3472-06                | FE056544.D     | 28 Oct 2025 17:25 | YP\AJ    | Dilution |
| 16  | Q3472-08                | FE056545.D     | 28 Oct 2025 17:55 | YP\AJ    | Dilution |
| 17  | Q3472-10                | FE056546.D     | 28 Oct 2025 18:26 | YP\AJ    | Dilution |
| 18  | Q3472-12                | FE056547.D     | 28 Oct 2025 18:56 | YP\AJ    | Dilution |
| 19  | Q3472-14                | FE056548.D     | 28 Oct 2025 19:26 | YP\AJ    | Dilution |
| 20  | I.BLK                   | FE056549.D     | 28 Oct 2025 20:57 | YP\AJ    | Ok       |
| 21  | 20 PPM ALIPHATIC HC STD | FE056550.D     | 28 Oct 2025 21:27 | YP\AJ    | Ok,M     |

M : Manual Integration

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE102925AL**

|                                                                    |                                         |                   |                                 |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                                                          | yogesh                                  | Review On         | 10/29/2025 9:43:07 AM           |
| Supervise By                                                       |                                         | Supervise On      |                                 |
| SubDirectory                                                       | FE102925AL                              | HP Acquire Method | HP Processing Method FE101725AL |
| <b>STD. NAME</b>                                                   | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24771                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24769,PP24774                         |                   |                                 |

| Sr# | SampleId                | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------------------|----------------|-------------------|----------|----------|
| 1   | MECL2                   | FE056551.D     | 29 Oct 2025 06:23 | YP\AJ    | Ok       |
| 2   | I.BLK                   | FE056552.D     | 29 Oct 2025 06:53 | YP\AJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC STD | FE056553.D     | 29 Oct 2025 07:23 | YP\AJ    | Ok,NS    |
| 4   | Q3466-05                | FE056554.D     | 29 Oct 2025 08:05 | YP\AJ    | Ok       |
| 5   | Q3472-04                | FE056555.D     | 29 Oct 2025 08:35 | YP\AJ    | Dilution |
| 6   | Q3472-06DL              | FE056556.D     | 29 Oct 2025 09:05 | YP\AJ    | Ok       |
| 7   | Q3472-08DL              | FE056557.D     | 29 Oct 2025 09:35 | YP\AJ    | Ok       |
| 8   | Q3472-10DL              | FE056558.D     | 29 Oct 2025 10:06 | YP\AJ    | Ok       |
| 9   | Q3472-12DL              | FE056559.D     | 29 Oct 2025 10:36 | YP\AJ    | Ok,NS    |
| 10  | Q3472-14DL              | FE056560.D     | 29 Oct 2025 11:06 | YP\AJ    | Ok       |
| 11  | Q3472-14DL2             | FE056561.D     | 29 Oct 2025 11:36 | YP\AJ    | Ok       |
| 12  | I.BLK                   | FE056562.D     | 29 Oct 2025 12:37 | YP\AJ    | Ok       |
| 13  | 20 PPM ALIPHATIC HC STD | FE056563.D     | 29 Oct 2025 13:07 | YP\AJ    | Ok,NS    |
| 14  | PB170307BL              | FE056564.D     | 29 Oct 2025 13:37 | YP\AJ    | Ok       |
| 15  | PB170307BS              | FE056565.D     | 29 Oct 2025 14:08 | YP\AJ    | Ok,NS    |
| 16  | PB170307BSD             | FE056566.D     | 29 Oct 2025 14:38 | YP\AJ    | Ok,NS    |
| 17  | Q3480-01                | FE056567.D     | 29 Oct 2025 15:08 | YP\AJ    | Ok       |
| 18  | Q3480-01D               | FE056568.D     | 29 Oct 2025 15:38 | YP\AJ    | Ok       |
| 19  | Q3480-01MS              | FE056569.D     | 29 Oct 2025 16:09 | YP\AJ    | Ok,NS    |
| 20  | Q3480-01MSD             | FE056570.D     | 29 Oct 2025 16:39 | YP\AJ    | Ok,NS    |
| 21  | I.BLK                   | FE056571.D     | 29 Oct 2025 17:39 | YP\AJ    | Ok       |

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE102925AL**

| Review By                                                          | yogesh                                  | Review On         | 10/29/2025 9:43:07 AM           |
|--------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Supervise By                                                       |                                         | Supervise On      |                                 |
| SubDirectory                                                       | FE102925AL                              | HP Acquire Method | HP Processing Method FE101725AL |
| STD. NAME                                                          | STD REF.#                               |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds                            | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC<br>Internal Standard/PEM                                       | PP24771                                 |                   |                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24769,PP24774                         |                   |                                 |

|    |                         |            |                   |       |    |
|----|-------------------------|------------|-------------------|-------|----|
| 22 | 20 PPM ALIPHATIC HC STD | FE056572.D | 29 Oct 2025 18:09 | YP\AJ | Ok |
|----|-------------------------|------------|-------------------|-------|----|

M : Manual Integration

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC100725AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 10/7/2025 10:33:30 AM           |
| Supervise By                            | mohammad                                | Supervise On      | 10/8/2025 3:35:18 AM            |
| SubDirectory                            | FC100725AL                              | HP Acquire Method | HP Processing Method FC100725AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC                                     | PP24771                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP24769,PP24774                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID             | ClientID             | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|----------------------|----------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2                | MECL2                | FC069935.D     | 06 Oct 2025 14:47 |         | YP/AJ    | Ok     |
| 2   | I.BLK                | I.BLK                | FC069936.D     | 06 Oct 2025 15:31 |         | YP/AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC | 100 PPM ALIPHATIC HC | FC069937.D     | 06 Oct 2025 16:17 |         | YP/AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC  | 50 PPM ALIPHATIC HC  | FC069938.D     | 06 Oct 2025 17:03 |         | YP/AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC069939.D     | 06 Oct 2025 17:50 |         | YP/AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC  | 10 PPM ALIPHATIC HC  | FC069940.D     | 06 Oct 2025 18:35 |         | YP/AJ    | Ok,M   |
| 7   | 5 PPM ALIPHATIC HC   | 5 PPM ALIPHATIC HC   | FC069941.D     | 06 Oct 2025 19:19 |         | YP/AJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC069942.D     | 06 Oct 2025 20:02 |         | YP/AJ    | Ok     |
| 9   | I.BLK                | I.BLK                | FC069943.D     | 06 Oct 2025 21:29 |         | YP/AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FC069944.D     | 06 Oct 2025 22:12 |         | YP/AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_C

**Daily Analysis Runlog For Sequence/QC Batch ID # FC102825AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 10/28/2025 11:27:07 AM          |
| Supervise By                            | Sohil                                   | Supervise On      | 10/29/2025 4:08:37 PM           |
| SubDirectory                            | FC102825AL                              | HP Acquire Method | HP Processing Method FC100725AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC                                     | PP24771                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP24769,PP24774                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment               | Operator | Status |
|-----|---------------------|---------------------|----------------|-------------------|-----------------------|----------|--------|
| 1   | MECL2               | MECL2               | FC070057.D     | 28 Oct 2025 08:33 |                       | YP/AJ    | Ok     |
| 2   | I.BLK               | I.BLK               | FC070058.D     | 28 Oct 2025 11:20 |                       | YP/AJ    | Ok     |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC070059.D     | 28 Oct 2025 11:59 |                       | YP/AJ    | Ok     |
| 4   | PB170266BL          | PB170266BL          | FC070060.D     | 28 Oct 2025 13:19 |                       | YP/AJ    | Ok     |
| 5   | PB170266BS          | PB170266BS          | FC070061.D     | 28 Oct 2025 13:58 |                       | YP/AJ    | Ok     |
| 6   | PB170266BSD         | PB170266BSD         | FC070062.D     | 28 Oct 2025 14:38 |                       | YP/AJ    | Ok     |
| 7   | Q3469-01            | TP-13               | FC070063.D     | 28 Oct 2025 15:18 |                       | YP/AJ    | Ok     |
| 8   | Q3469-01D           | Q3469-01D           | FC070064.D     | 28 Oct 2025 15:59 |                       | YP/AJ    | Ok     |
| 9   | Q3469-01MS          | TP-13MS             | FC070065.D     | 28 Oct 2025 16:39 | FC070063.D            | YP/AJ    | Ok     |
| 10  | Q3469-01MSD         | TP-13MSD            | FC070066.D     | 28 Oct 2025 17:20 | FC070063.D!FC070065.D | YP/AJ    | Ok     |
| 11  | Q3469-02            | TP-13-EPH           | FC070067.D     | 28 Oct 2025 18:01 |                       | YP/AJ    | Ok     |
| 12  | I.BLK               | I.BLK               | FC070068.D     | 28 Oct 2025 19:22 |                       | YP/AJ    | Ok     |
| 13  | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FC070069.D     | 28 Oct 2025 20:03 |                       | YP/AJ    | Ok,M   |

M : Manual Integration

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE101725AL**

|              |            |                   |                                 |
|--------------|------------|-------------------|---------------------------------|
| Review By    | yogesh     | Review On         | 10/16/2025 2:50:14 PM           |
| Supervise By | Sohil      | Supervise On      | 10/17/2025 1:12:44 PM           |
| SubDirectory | FE101725AL | HP Acquire Method | HP Processing Method FE101725AL |

| STD. NAME                               | STD REF.#                               |
|-----------------------------------------|-----------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC                                     | PP24771                                 |
| Internal Standard/PEM                   |                                         |
| ICV/I.BLK                               | PP24769,PP24774                         |
| Surrogate Standard                      |                                         |
| MS/MSD Standard                         |                                         |
| LCS Standard                            |                                         |

| Sr# | SampleID             | ClientID             | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|----------------------|----------------------|----------------|-------------------|---------|----------|--------|
| 1   | MECL2                | MECL2                | FE056349.D     | 16 Oct 2025 16:29 |         | YP\AJ    | Ok     |
| 2   | I.BLK                | I.BLK                | FE056350.D     | 16 Oct 2025 16:59 |         | YP\AJ    | Ok     |
| 3   | 100 PPM ALIPHATIC HC | 100 PPM ALIPHATIC HC | FE056351.D     | 16 Oct 2025 17:30 |         | YP\AJ    | Ok     |
| 4   | 50 PPM ALIPHATIC HC  | 50 PPM ALIPHATIC HC  | FE056352.D     | 16 Oct 2025 18:00 |         | YP\AJ    | Ok     |
| 5   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FE056353.D     | 16 Oct 2025 18:30 |         | YP\AJ    | Ok     |
| 6   | 10 PPM ALIPHATIC HC  | 10 PPM ALIPHATIC HC  | FE056354.D     | 16 Oct 2025 19:00 |         | YP\AJ    | Ok     |
| 7   | 5 PPM ALIPHATIC HC   | 5 PPM ALIPHATIC HC   | FE056355.D     | 16 Oct 2025 19:31 |         | YP\AJ    | Ok     |
| 8   | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FE056356.D     | 16 Oct 2025 20:01 |         | YP\AJ    | Ok     |
| 9   | I.BLK                | I.BLK                | FE056357.D     | 16 Oct 2025 21:01 |         | YP\AJ    | Ok     |
| 10  | 20 PPM ALIPHATIC HC  | 20 PPM ALIPHATIC HC  | FE056358.D     | 16 Oct 2025 21:32 |         | YP\AJ    | Ok     |

M : Manual Integration

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE102825AL**

|              |            |                   |                                 |
|--------------|------------|-------------------|---------------------------------|
| Review By    | yogesh     | Review On         | 10/28/2025 10:23:15 AM          |
| Supervise By | Sohil      | Supervise On      | 10/29/2025 4:08:02 PM           |
| SubDirectory | FE102825AL | HP Acquire Method | HP Processing Method FE101725AL |

| STD. NAME                                                          | STD REF.#                               |
|--------------------------------------------------------------------|-----------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                            | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC<br>Internal Standard/PEM                                       | PP24771                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24769,PP24774                         |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment          | Operator | Status   |
|-----|---------------------|---------------------|----------------|-------------------|------------------|----------|----------|
| 1   | MECL2               | MECL2               | FE056530.D     | 28 Oct 2025 08:07 |                  | YPIAJ    | Ok       |
| 2   | I.BLK               | I.BLK               | FE056531.D     | 28 Oct 2025 08:37 |                  | YPIAJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE056532.D     | 28 Oct 2025 09:08 |                  | YPIAJ    | Ok,M     |
| 4   | PP25012             | PP25012             | FE056533.D     | 28 Oct 2025 09:45 |                  | YPIAJ    | Ok       |
| 5   | I.BLK               | I.BLK               | FE056534.D     | 28 Oct 2025 11:49 |                  | YPIAJ    | Ok       |
| 6   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE056535.D     | 28 Oct 2025 12:49 |                  | YPIAJ    | Ok,M     |
| 7   | Q3452-01            | JB-1                | FE056536.D     | 28 Oct 2025 13:24 |                  | YPIAJ    | Ok       |
| 8   | Q3452-02            | JB-1-EPH            | FE056537.D     | 28 Oct 2025 13:54 |                  | YPIAJ    | Ok,M     |
| 9   | Q3465-01            | SU-03-10242025      | FE056538.D     | 28 Oct 2025 14:24 |                  | YPIAJ    | Ok,M     |
| 10  | Q3465-02            | SU-03-10242025-E2   | FE056539.D     | 28 Oct 2025 14:54 |                  | YPIAJ    | Ok,M     |
| 11  | Q3466-02            | B8-0.0-1.0-20251023 | FE056540.D     | 28 Oct 2025 15:24 |                  | YPIAJ    | Ok       |
| 12  | Q3466-05            | Q3466-05            | FE056541.D     | 28 Oct 2025 15:55 | Surrogate fail   | YPIAJ    | ReRun    |
| 13  | Q3466-07            | B7-1.0-2.0-20251023 | FE056542.D     | 28 Oct 2025 16:25 |                  | YPIAJ    | Ok       |
| 14  | Q3472-04DL          | COMP-1DL            | FE056543.D     | 28 Oct 2025 16:55 |                  | YPIAJ    | Ok       |
| 15  | Q3472-06            | COMP-2              | FE056544.D     | 28 Oct 2025 17:25 | Need Further 50X | YPIAJ    | Dilution |
| 16  | Q3472-08            | COMP-3              | FE056545.D     | 28 Oct 2025 17:55 | Need further 10X | YPIAJ    | Dilution |
| 17  | Q3472-10            | COMP-4              | FE056546.D     | 28 Oct 2025 18:26 | Need Further 50X | YPIAJ    | Dilution |
| 18  | Q3472-12            | COMP-5              | FE056547.D     | 28 Oct 2025 18:56 | Need Further 5X  | YPIAJ    | Dilution |

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE102825AL**

|              |            |                   |                                 |
|--------------|------------|-------------------|---------------------------------|
| Review By    | yogesh     | Review On         | 10/28/2025 10:23:15 AM          |
| Supervise By | Sohil      | Supervise On      | 10/29/2025 4:08:02 PM           |
| SubDirectory | FE102825AL | HP Acquire Method | HP Processing Method FE101725AL |

| STD. NAME                                                          | STD REF.#                               |
|--------------------------------------------------------------------|-----------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                            | PP24768,PP24770,PP24771,PP24772,PP24773 |
| CCC<br>Internal Standard/PEM                                       | PP24771                                 |
| ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | PP24769,PP24774                         |

|    |                     |                     |            |                   |                      |       |          |
|----|---------------------|---------------------|------------|-------------------|----------------------|-------|----------|
| 19 | Q3472-14            | 155                 | FE056548.D | 28 Oct 2025 19:26 | Need Further 20X,50X | YP\AJ | Dilution |
| 20 | I.BLK               | I.BLK               | FE056549.D | 28 Oct 2025 20:57 |                      | YP\AJ | Ok       |
| 21 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE056550.D | 28 Oct 2025 21:27 |                      | YP\AJ | Ok,M     |

M : Manual Integration

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE102925AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 10/29/2025 9:43:07 AM           |
| Supervise By                            |                                         | Supervise On      |                                 |
| SubDirectory                            | FE102925AL                              | HP Acquire Method | HP Processing Method FE101725AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC                                     | PP24771                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP24769,PP24774                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

| Sr# | SampleID            | ClientID            | Data File Name | Date-Time         | Comment  | Operator | Status   |
|-----|---------------------|---------------------|----------------|-------------------|----------|----------|----------|
| 1   | MECL2               | MECL2               | FE056551.D     | 29 Oct 2025 06:23 |          | YPIAJ    | Ok       |
| 2   | I.BLK               | I.BLK               | FE056552.D     | 29 Oct 2025 06:53 |          | YPIAJ    | Ok       |
| 3   | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE056553.D     | 29 Oct 2025 07:23 |          | YPIAJ    | Ok,NS    |
| 4   | Q3466-05            | B9-0.0-1.0-20251023 | FE056554.D     | 29 Oct 2025 08:05 |          | YPIAJ    | Ok       |
| 5   | Q3472-04            | COMP-1              | FE056555.D     | 29 Oct 2025 08:35 | Need 10X | YPIAJ    | Dilution |
| 6   | Q3472-06DL          | COMP-2DL            | FE056556.D     | 29 Oct 2025 09:05 |          | YPIAJ    | Ok       |
| 7   | Q3472-08DL          | COMP-3DL            | FE056557.D     | 29 Oct 2025 09:35 |          | YPIAJ    | Ok       |
| 8   | Q3472-10DL          | COMP-4DL            | FE056558.D     | 29 Oct 2025 10:06 |          | YPIAJ    | Ok       |
| 9   | Q3472-12DL          | COMP-5DL            | FE056559.D     | 29 Oct 2025 10:36 |          | YPIAJ    | Ok,NS    |
| 10  | Q3472-14DL          | 155DL               | FE056560.D     | 29 Oct 2025 11:06 |          | YPIAJ    | Ok       |
| 11  | Q3472-14DL2         | 155DL2              | FE056561.D     | 29 Oct 2025 11:36 |          | YPIAJ    | Ok       |
| 12  | I.BLK               | I.BLK               | FE056562.D     | 29 Oct 2025 12:37 |          | YPIAJ    | Ok       |
| 13  | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE056563.D     | 29 Oct 2025 13:07 |          | YPIAJ    | Ok,NS    |
| 14  | PB170307BL          | PB170307BL          | FE056564.D     | 29 Oct 2025 13:37 |          | YPIAJ    | Ok       |
| 15  | PB170307BS          | PB170307BS          | FE056565.D     | 29 Oct 2025 14:08 |          | YPIAJ    | Ok,NS    |
| 16  | PB170307BSD         | PB170307BSD         | FE056566.D     | 29 Oct 2025 14:38 |          | YPIAJ    | Ok,NS    |
| 17  | Q3480-01            | RT3449              | FE056567.D     | 29 Oct 2025 15:08 |          | YPIAJ    | Ok       |
| 18  | Q3480-01D           | Q3480-01D           | FE056568.D     | 29 Oct 2025 15:38 |          | YPIAJ    | Ok       |

Instrument ID: FID\_E

**Daily Analysis Runlog For Sequence/QC Batch ID # FE102925AL**

|                                         |                                         |                   |                                 |
|-----------------------------------------|-----------------------------------------|-------------------|---------------------------------|
| Review By                               | yogesh                                  | Review On         | 10/29/2025 9:43:07 AM           |
| Supervise By                            |                                         | Supervise On      |                                 |
| SubDirectory                            | FE102925AL                              | HP Acquire Method | HP Processing Method FE101725AL |
| <b>STD. NAME</b>                        | <b>STD REF.#</b>                        |                   |                                 |
| Tune/Reschk<br>Initial Calibration Stds | PP24768,PP24770,PP24771,PP24772,PP24773 |                   |                                 |
| CCC                                     | PP24771                                 |                   |                                 |
| Internal Standard/PEM                   |                                         |                   |                                 |
| ICV/I.BLK                               | PP24769,PP24774                         |                   |                                 |
| Surrogate Standard                      |                                         |                   |                                 |
| MS/MSD Standard                         |                                         |                   |                                 |
| LCS Standard                            |                                         |                   |                                 |

|    |                     |                     |            |                   |                       |       |       |
|----|---------------------|---------------------|------------|-------------------|-----------------------|-------|-------|
| 19 | Q3480-01MS          | RT3449MS            | FE056569.D | 29 Oct 2025 16:09 | FE056567.D            | YP\AJ | Ok,NS |
| 20 | Q3480-01MSD         | RT3449MSD           | FE056570.D | 29 Oct 2025 16:39 | FE056567.D!FE056569.D | YP\AJ | Ok,NS |
| 21 | I.BLK               | I.BLK               | FE056571.D | 29 Oct 2025 17:39 |                       | YP\AJ | Ok    |
| 22 | 20 PPM ALIPHATIC HC | 20 PPM ALIPHATIC HC | FE056572.D | 29 Oct 2025 18:09 |                       | YP\AJ | Ok    |

M : Manual Integration

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/28/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:40  
In Date: 10/27/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:27  
Out Date: 10/28/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137661

| Lab ID   | Client SampleID     | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|----------|---------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|----------|
| Q3459-01 | Y2404-0071-END-1-1  | 1      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-02 | Y2404-0071-END-1-2  | 2      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-03 | Y2404-0071-END-2-1  | 3      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-04 | Y2404-0071-END-2-2  | 4      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-05 | BC259240LOK-END-1-1 | 5      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-06 | BC259240LOK-END-1-2 | 6      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-07 | BC271327-END-1-1    | 7      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-08 | BC271327-END-1-2    | 8      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-09 | BC271327-END-2-1    | 9      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-10 | BC271327-END-2-2    | 10     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-11 | BC283118LOK-END-1-1 | 11     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-12 | BC283118LOK-END-1-2 | 12     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-13 | BC283118LOK-END-2-1 | 13     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-14 | BC283118LOK-END-2-2 | 14     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-15 | BC283118LOK-END-3-1 | 15     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-16 | BC283118LOK-END-3-2 | 16     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-17 | BC283118LOK-END-4-1 | 17     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3459-18 | BC283118LOK-END-4-2 | 18     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC     |
| Q3461-01 | SS-9R(4.5-5.0)      | 19     | 1.18           | 10.38        | 11.56                   | 10.34                     | 88.2    |          |
| Q3461-02 | SS-9R(5.0-5.5)      | 20     | 1.19           | 10.46        | 11.65                   | 10.07                     | 84.9    |          |
| Q3461-03 | SS-25(4.5-5.0)      | 21     | 1.19           | 10.39        | 11.58                   | 9.76                      | 82.5    |          |
| Q3461-04 | SS-25(5.0-5.5)      | 22     | 1.12           | 11.10        | 12.22                   | 10.89                     | 88.0    |          |
| Q3465-01 | SU-03-10242025      | 23     | 1.16           | 10.29        | 11.45                   | 10.74                     | 93.1    |          |
| Q3465-02 | SU-03-10242025-E2   | 24     | 1.18           | 10.49        | 11.67                   | 10.23                     | 86.3    |          |
| Q3466-01 | B8-0.5-1.0-20251023 | 25     | 1.17           | 10.34        | 11.51                   | 9.6                       | 81.5    |          |
| Q3466-02 | B8-0.0-1.0-20251023 | 26     | 1.16           | 10.36        | 11.52                   | 10.00                     | 85.3    |          |
| Q3466-04 | B9-0.5-1.0-20251023 | 27     | 1.17           | 10.38        | 11.55                   | 9.85                      | 83.6    |          |
| Q3466-05 | B9-0.0-1.0-20251023 | 28     | 1.18           | 10.42        | 11.6                    | 9.85                      | 83.2    |          |



# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/28/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:40  
In Date: 10/27/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:27  
Out Date: 10/28/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137661

| Lab ID   | Client SampleID     | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments    |
|----------|---------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|-------------|
| Q3466-06 | B7-1.5-2.0-20251023 | 29     | 1.14           | 10.35        | 11.49                   | 10.57                     | 91.1    |             |
| Q3466-07 | B7-1.0-2.0-20251023 | 30     | 1.16           | 10.65        | 11.81                   | 10.66                     | 89.2    |             |
| Q3469-01 | TP-13               | 31     | 1.18           | 10.10        | 11.28                   | 10.38                     | 91.1    |             |
| Q3469-02 | TP-13-EPH           | 32     | 1.12           | 11.10        | 12.22                   | 10.21                     | 81.9    |             |
| Q3469-03 | TP-13-VOC           | 33     | 1.11           | 10.41        | 11.52                   | 10.52                     | 90.4    |             |
| Q3470-01 | PILC-1              | 34     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3470-02 | PILC-2              | 35     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3472-04 | COMP-1              | 36     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-06 | COMP-2              | 37     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-08 | COMP-3              | 38     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-10 | COMP-4              | 39     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-12 | COMP-5              | 40     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3472-14 | 155                 | 41     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | debris      |
| Q3472-16 | 142                 | 42     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample  |
| Q3472-18 | 137                 | 43     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample  |
| Q3474-01 | WASTE               | 44     | 1.18           | 10.39        | 11.57                   | 10.24                     | 87.2    |             |
| Q3474-02 | VOC                 | 45     | 1.11           | 10.43        | 11.54                   | 10.14                     | 86.6    |             |
| Q3474-03 | 1                   | 46     | 1.18           | 10.32        | 11.5                    | 9.87                      | 84.2    |             |
| Q3474-04 | 2                   | 47     | 1.19           | 10.47        | 11.66                   | 9.97                      | 83.9    |             |
| Q3474-05 | 3                   | 48     | 1.16           | 10.56        | 11.72                   | 10.32                     | 86.7    |             |
| Q3474-06 | 4                   | 49     | 1.18           | 10.27        | 11.45                   | 10.1                      | 86.9    |             |
| Q3474-07 | 5                   | 50     | 1.16           | 10.61        | 11.77                   | 10.27                     | 85.9    |             |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

10/27/25

WorkList Name : %1-102725      WorkList ID : 192686      Department : Wet-Chemistry      Date : 10-27-2025 08:17:32

| Sample   | Customer Sample     | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|---------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3459-01 | Y2404-0071-END-1-1  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-02 | Y2404-0071-END-1-2  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-03 | Y2404-0071-END-2-1  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-04 | Y2404-0071-END-2-2  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-05 | BC259240LOK-END-1-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-06 | BC259240LOK-END-1-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-07 | BC271327-END-1-1    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-08 | BC271327-END-1-2    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-09 | BC271327-END-2-1    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-10 | BC271327-END-2-2    | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-11 | BC283118LOK-END-1-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-12 | BC283118LOK-END-1-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-13 | BC283118LOK-END-2-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-14 | BC283118LOK-END-2-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-15 | BC283118LOK-END-3-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-16 | BC283118LOK-END-3-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-17 | BC283118LOK-END-4-1 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3459-18 | BC283118LOK-END-4-2 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3461-01 | SS-9R(4.5-5.0)      | Solid  | Percent Solids | Cool 4 deg C | MATR02   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3461-02 | SS-9R(5.0-5.5)      | Solid  | Percent Solids | Cool 4 deg C | MATR02   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3461-03 | SS-25(4.5-5.0)      | Solid  | Percent Solids | Cool 4 deg C | MATR02   | D41                         | 10/24/2025   | Chemtech -SO |

Date/Time 10/27/25 17:45  
 Raw Sample Received by: JH WOC  
 Raw Sample Relinquished by: JH WOC

# WORKLIST(Hardcopy Internal Chain)

137661

WorkList Name : %1-102725      WorkList ID : 192686      Department : Wet-Chemistry      Date : 10-27-2025 08:17:32

| Sample   | Customer Sample     | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|---------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3461-04 | SS-25(5.0-5.5)      | Solid  | Percent Solids | Cool 4 deg C | MATR02   | D41                         | 10/24/2025   | Chemtech -SO |
| Q3465-01 | SU-03-10242025      | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D31                         | 10/24/2025   | Chemtech -SO |
| Q3465-02 | SU-03-10242025-E2   | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D31                         | 10/24/2025   | Chemtech -SO |
| Q3466-01 | B8-0.5-1.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-02 | B8-0.0-1.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-04 | B9-0.5-1.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-05 | B9-0.0-1.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-06 | B7-1.5-2.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3466-07 | B7-1.0-2.0-20251023 | Solid  | Percent Solids | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | Chemtech -SO |
| Q3469-01 | TP-13               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/25/2025   | Chemtech -SO |
| Q3469-02 | TP-13-EPH           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/25/2025   | Chemtech -SO |
| Q3469-03 | TP-13-VOC           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/25/2025   | Chemtech -SO |
| Q3470-01 | PILC-1              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3470-02 | PILC-2              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-04 | COMP-1              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-06 | COMP-2              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-08 | COMP-3              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-10 | COMP-4              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-12 | COMP-5              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-14 | 155                 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3472-16 | 142                 | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |

Date/Time 10/27/25 15:30  
 Raw Sample Received by: 88 WOC  
 Raw Sample Relinquished by: CP8

Date/Time 10/27/25 17:45  
 Raw Sample Received by: CP8  
 Raw Sample Relinquished by: 88 WOC

# WORKLIST(Hardcopy Internal Chain)

VB 137661

WorkList Name : %1-102725      WorkList ID : 192686      Department : Wet-Chemistry      Date : 10-27-2025 08:17:32

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3472-18 | 137             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | Chemtech -SO |
| Q3474-01 | WASTE           | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-02 | VOC             | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-03 | 1               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-04 | 2               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-05 | 3               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-06 | 4               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |
| Q3474-07 | 5               | Solid  | Percent Solids | Cool 4 deg C | SCIA01   | J31                         | 10/27/2025   | Chemtech -SO |

Date/Time 10/27/25 13:30

Raw Sample Received by: gg wec

Raw Sample Relinquished by: gg wec

Date/Time 10/27/25 17:45

Raw Sample Received by: gg wec

Raw Sample Relinquished by: gg wec

**SOP ID:** MNJDEP-EPH-8

**Clean Up SOP #:** N/A

**Matrix :** Solid

**Weigh By:** EH **Extraction By:** RJ

**Balance check:** EH **Filter By:** RJ

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

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

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

**Extraction Start Date :** 10/28/2025

**Extraction Start Time :** 09:05

**Extraction End Date :** 10/28/2025

**Extraction End Time :** 13:10

**Concentration By:** EH

**Supervisor By :** RUPESH

| Standard Name           | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-------------------------|----------|---------------------|---------------------|
| Spike Sol 1             | 1.0ML    | 100 PPM             | PP25005             |
| Surrogate               | 1.0ML    | 100 PPM             | PP24941             |
| Fractionation Surrogate | 1.0ML    | 100 PPM             | PP24994             |
| 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            | EP2641     |
| Baked Na2SO4      | N/A            | EP2655     |
| Sand              | N/A            | E3951      |
| Hexane            | N/A            | E3978      |
| 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:**

Q3472 all samples used Limited volume as samples are Oily Debris.

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

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

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 10/28/25    | RSCEB lab                               | RUPESH / PUB Lab     |
| 13:15       | Preparation Group                       | Analysis Group       |

Analytical Method: MNJDEP-EPH-8

Concentration Date: 10/28/2025

| Sample ID   | Client Sample ID    | Test   | g/ mL | PH  | Surr/Spike By: |            | Final Vol. (mL) | JarID | Comments    | Prep Pos |
|-------------|---------------------|--------|-------|-----|----------------|------------|-----------------|-------|-------------|----------|
|             |                     |        |       |     | AddedBy        | VerifiedBy |                 |       |             |          |
| PB170266BL  | PB170266BL          | EPH_NF | 30.01 | N/A | ritesh         | Evelyn     | 2               |       |             | U1-1     |
| PB170266BS  | PB170266BS          | EPH_NF | 30.03 | N/A | ritesh         | Evelyn     | 2               |       |             | 2        |
| PB170266BSD | PB170266BSD         | EPH_NF | 30.02 | N/A | ritesh         | Evelyn     | 2               |       |             | 3        |
| Q3452-01    | JB-1                | EPH_NF | 30.04 | N/A | ritesh         | Evelyn     | 2               | D     |             | 4        |
| Q3452-02    | JB-1-EPH            | EPH_NF | 30.08 | N/A | ritesh         | Evelyn     | 2               |       |             | 5        |
| Q3465-01    | SU-03-10242025      | EPH_NF | 30.07 | N/A | ritesh         | Evelyn     | 2               | E     |             | 6        |
| Q3465-02    | SU-03-10242025-E2   | EPH_NF | 30.02 | N/A | ritesh         | Evelyn     | 2               |       |             | U2-1     |
| Q3466-02    | B8-0.0-1.0-20251023 | EPH_NF | 30.05 | N/A | ritesh         | Evelyn     | 2               | B     |             | 2        |
| Q3466-05    | B9-0.0-1.0-20251023 | EPH_NF | 30.01 | N/A | ritesh         | Evelyn     | 2               | A     |             | 3        |
| Q3466-07    | B7-1.0-2.0-20251023 | EPH_NF | 30.06 | N/A | ritesh         | Evelyn     | 2               | B     |             | 4        |
| Q3469-01    | TP-13               | EPH_NF | 30.09 | N/A | ritesh         | Evelyn     | 2               | B     |             | 5        |
| Q3469-01DUP | TP-13DUP            | EPH_NF | 30.06 | N/A | ritesh         | Evelyn     | 2               | B     |             | 6        |
| Q3469-01MS  | TP-13MS             | EPH_NF | 30.03 | N/A | ritesh         | Evelyn     | 2               | B     |             | U3-1     |
| Q3469-01MSD | TP-13MSD            | EPH_NF | 30.04 | N/A | ritesh         | Evelyn     | 2               | B     |             | 2        |
| Q3469-02    | TP-13-EPH           | EPH_NF | 30.05 | N/A | ritesh         | Evelyn     | 2               |       |             | 3        |
| Q3472-04    | COMP-1              | EPH_NF | 5.02  | N/A | ritesh         | Evelyn     | 2               | C     | Oily Debris | 4        |
| Q3472-06    | COMP-2              | EPH_NF | 5.06  | N/A | ritesh         | Evelyn     | 2               | B     | Oily Debris | 5        |
| Q3472-08    | COMP-3              | EPH_NF | 5.07  | N/A | ritesh         | Evelyn     | 2               | B     | Oily Debris | 6        |
| Q3472-10    | COMP-4              | EPH_NF | 5.05  | N/A | ritesh         | Evelyn     | 2               | B     | Oily Debris | U4-1     |
| Q3472-12    | COMP-5              | EPH_NF | 5.03  | N/A | ritesh         | Evelyn     | 2               | B     | Oily Debris | 2        |
| Q3472-14    | 155                 | EPH_NF | 5.04  | N/A | ritesh         | Evelyn     | 2               | B     | Oily Debris | 3        |

\* Extracts relinquished on the same date as received.



# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3465      WorkList ID : 192724      Department : Extraction      Date : 10-28-2025 08:33:47

| Sample   | Customer Sample     | Matrix | Test   | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|---------------------|--------|--------|--------------|----------|-----------------------------|--------------|--------|
| Q3452-01 | JB-1                | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D31                         | 10/24/2025   | NJEPH  |
| Q3452-02 | JB-1-EPH            | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D31                         | 10/24/2025   | NJEPH  |
| Q3465-01 | SU-03-10242025      | Solid  | EPH_NF | Cool 4 deg C | PSEG05   | D31                         | 10/24/2025   | NJEPH  |
| Q3465-02 | SU-03-10242025-E2   | Solid  | EPH_NF | Cool 4 deg C | PSEG05   | D31                         | 10/24/2025   | NJEPH  |
| Q3466-02 | B8-0.0-1.0-20251023 | Solid  | EPH_NF | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | NJEPH  |
| Q3466-05 | B9-0.0-1.0-20251023 | Solid  | EPH_NF | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | NJEPH  |
| Q3466-07 | B7-1.0-2.0-20251023 | Solid  | EPH_NF | Cool 4 deg C | HDR108   | D41                         | 10/23/2025   | NJEPH  |
| Q3469-01 | TP-13               | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D41                         | 10/25/2025   | NJEPH  |
| Q3469-02 | TP-13-EPH           | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D41                         | 10/25/2025   | NJEPH  |
| Q3472-04 | COMP-1              | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | NJEPH  |
| Q3472-06 | COMP-2              | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | NJEPH  |
| Q3472-08 | COMP-3              | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | NJEPH  |
| Q3472-10 | COMP-4              | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | NJEPH  |
| Q3472-12 | COMP-5              | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | NJEPH  |
| Q3472-14 | 155                 | Solid  | EPH_NF | Cool 4 deg C | PSEG03   | D41                         | 10/27/2025   | NJEPH  |

Date/Time 10/28/25 9:00  
 Raw Sample Received by: RJ (Ext-646)  
 Raw Sample Relinquished by: [Signature]

Date/Time 10/28/25 9:30  
 Raw Sample Received by: [Signature]  
 Raw Sample Relinquished by: RJ (Ext-646)



# SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: HDR  
ADDRESS: 50 Tice Blvd Suite 210  
CITY: Woodcliff Lake STATE: NJ ZIP: 07677  
ATTENTION: Andrew Wadden  
PHONE: 201-312-0752 FAX: N/A

CLIENT PROJECT INFORMATION

PROJECT NAME: PVWC  
PROJECT NO.: 10367568 LOCATION: Passaic, NJ  
PROJECT MANAGER: Andrew Wadden  
e-mail: Andrew.Wadden@HDRInc.com  
PHONE: 201-312-0752 FAX: N/A

CLIENT BILLING INFORMATION

BILL TO: HDR PO#:   
ADDRESS: 50 Tice Blvd Suite 210  
CITY: Woodcliff Lake STATE: NJ ZIP: 07677  
ATTENTION: Andrew Wadden PHONE: 201-312-0752

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) \_\_\_\_\_ DAYS\*  
HARDCOPY (DATA PACKAGE): STANDARD TAT DAYS\*  
EDD: \_\_\_\_\_ DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

1. TCL VOCs  
2. TCL SVOCs  
3. Pesticides, Cyanide  
4. Polychlorinated Biphenyls  
5. PCBs  
6. Hexavalent Chromium  
7. Mercury, EPH, Salt Solubility  
8. Reactive Cyanide and Sulfide, Corrosivity  
9. 2,3,7,8-Tetrachloro-dioxin  
Paint filter

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|---|---|---|---|---|---|---|----------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | E             | E | E | E | E | E | E | E | E |          |
| 1.                       | B8-0.5-1.0-20251023              | S                |                | X    | 10/23                | 1015 | 4            | X             |   |   |   |   |   |   |   |   |          |
| 2.                       | B8-0.0-1.0-20251023              |                  | X              | X    |                      | 1030 | 6            |               | X | X | X | X | X | X | X | X |          |
| 3.                       | B9-0.5-1.0-20251023              |                  |                | X    |                      | 1140 | 4            | X             |   |   |   |   |   |   |   |   |          |
| 4.                       | B9-0.0-1.0-20251023              |                  | X              | X    |                      | 1150 | 3            |               | X | X | X |   |   |   |   |   |          |
| 5.                       | B7-1.5-2.0-20251023              |                  |                | X    |                      | 1340 | 4            | X             |   |   |   |   |   |   |   |   |          |
| 6.                       | B7-1.0-2.0-20251023              |                  | X              | X    |                      | 1350 | 3            |               | X | X | X |   |   |   |   |   |          |
| 7.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 8.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 9.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |
| 10.                      |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |          |

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

|                          |                 |              |          |                                                                                                                                                                     |
|--------------------------|-----------------|--------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER: | DATE/TIME: 1417 | RECEIVED BY: | 1417     | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP: 2.5 °C |
| 1. [Signature]           | 10-24-25        | [Signature]  | 10-24-25 | Comments:                                                                                                                                                           |
| RELINQUISHED BY SAMPLER: | DATE/TIME:      | RECEIVED BY: |          |                                                                                                                                                                     |
| 2.                       |                 | 2.           |          |                                                                                                                                                                     |
| RELINQUISHED BY SAMPLER: | DATE/TIME: 1444 | RECEIVED BY: |          |                                                                                                                                                                     |
| 3. [Signature]           | 10-24-25        | 3.           |          |                                                                                                                                                                     |

### Laboratory Certification

| Certified By    | License No.      |
|-----------------|------------------|
|                 |                  |
| Connecticut     | PH-0830          |
|                 |                  |
| DOD ELAP (ANAB) | L2219            |
|                 |                  |
| Maine           | 2024021          |
|                 |                  |
| Maryland        | 296              |
|                 |                  |
| New Hampshire   | 255425           |
|                 |                  |
| New Jersey      | 20012            |
|                 |                  |
| New York        | 11376            |
|                 |                  |
| Pennsylvania    | 68-00548         |
|                 |                  |
| Soil Permit     | 525-24-234-08441 |
|                 |                  |
| Texas           | TX-C25-00189     |
|                 |                  |
| Virginia        | 460312           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                        |               |                                                  |                                 |
|----------------------------------------|---------------|--------------------------------------------------|---------------------------------|
| <b>Order ID :</b> Q3466                | <b>HDRIO8</b> | <b>Order Date :</b> 10/24/2025 3:18:10 PM        | <b>Project Mgr :</b>            |
| <b>Client Name :</b> HDR, Inc.         |               | <b>Project Name :</b> PVWC Linear Construction   | <b>Report Type :</b> NJ Reduced |
| <b>Client Contact :</b> Andrew Wadden  |               | <b>Receive DateTime :</b> 10/24/2025 12:00:00 AM | <b>EDD Type :</b> Excel NJ      |
| <b>Invoice Name :</b> HDR, Inc.        |               | <b>Purchase Order :</b> 7:49 PM                  | <b>Hard Copy Date :</b>         |
| <b>Invoice Contact :</b> Andrew Wadden |               |                                                  | <b>Date Signoff :</b>           |

| LAB ID   | CLIENT ID           | MATRIX | SAMPLE DATE | SAMPLE TIME               | TEST          | TEST GROUP | METHOD | FAX DATE     | DUE DATES |
|----------|---------------------|--------|-------------|---------------------------|---------------|------------|--------|--------------|-----------|
| Q3466-01 | B8-0.5-1.0-20251023 | Solid  | 10/23/2025  | 10:15                     |               |            |        |              |           |
|          |                     |        |             |                           | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q3466-04 | B9-0.5-1.0-20251023 | Solid  | 10/23/2025  | 11:40<br><del>10:15</del> |               |            |        |              |           |
|          |                     |        |             |                           | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q3466-06 | B7-1.5-2.0-20251023 | Solid  | 10/23/2025  | 13:40<br><del>10:15</del> |               |            |        |              |           |
|          |                     |        |             |                           | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |

Relinquished By : 

Date / Time : 10/27/25 0855

Received By : 

Date / Time : 10/27/25 2:55

Storage Area : VOA Refridgerator Room

  
F22