

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC051225AL\  
 Data File : FC068840.D  
 Signal(s) : FID1A.ch  
 Acq On : 12 May 2025 22:02  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/13/2025  
 Supervised By :mohammad ahmed 05/14/2025

Integration File: sample.E  
 Quant Time: May 13 07:45:59 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 050625.M  
 Quant Title : GC Extractables  
 QLast Update : Wed May 07 08:52:03 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)    | 11.708 | 2054983    | 18.004 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 36.01%        |
| 12) S 1-chlorooctadecane (S... | 13.140 | 1523199    | 18.986 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.97%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.441  | 1673647    | 16.640 ug/ml  |
| 2) T n-Decane (C10)            | 4.516  | 1713395    | 17.196 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.113  | 1870553    | 16.965 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.541  | 1715217    | 17.650 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.171  | 1866175    | 17.387 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.338  | 1687068    | 18.253 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.941  | 1684839    | 18.816 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.384 | 1667807    | 19.013 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.694 | 1631049    | 19.140 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.306 | 1613660    | 19.132 ug/ml  |
| 13) T n-Docosane (C22)         | 13.893 | 1607045    | 19.210 ug/ml  |
| 14) T n-Tetracosane (C24)      | 14.997 | 1616095    | 19.423 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.019 | 1610615    | 19.439 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.969 | 1706830    | 20.652 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.859 | 1945246    | 22.990 ug/mlm |
| 18) T n-Dotriacontane (C32)    | 18.692 | 2048419    | 23.781 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.477 | 1930788    | 22.662 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.217 | 1827354    | 21.261 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 20.991 | 1749975    | 20.862 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.964 | 1711925    | 20.888 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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