

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_C\Data\FC041425AL\  
 Data File : FC068590.D  
 Signal(s) : FID1A.ch  
 Acq On : 14 Apr 2025 13:56  
 Operator : YP/AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/15/2025  
 Supervised By :mohammad ahmed 04/16/2025

Integration File: autoint1.e  
 Quant Time: Apr 15 01:15:09 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_C\Method\Aliphatic EPH 040925.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Apr 08 17:31:27 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)    | 11.715 | 2276174    | 17.875 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.75%        |
| 12) S 1-chlorooctadecane (S... | 13.148 | 1661151    | 17.882 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.76%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.445  | 2159461    | 20.503 ug/ml  |
| 2) T n-Decane (C10)            | 4.520  | 2181007    | 20.701 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.118  | 2380203    | 20.438 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.546  | 2130785    | 20.262 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.177  | 2273395    | 19.683 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.343  | 2033597    | 19.781 ug/ml  |
| 7) T n-Hexadecane (C16)        | 9.947  | 2034487    | 19.977 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.391 | 2005744    | 19.931 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.702 | 1908727    | 19.406 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.314 | 1874335    | 19.232 ug/ml  |
| 13) T n-Docosane (C22)         | 13.901 | 1866611    | 19.324 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.006 | 1866067    | 19.605 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.028 | 1852037    | 19.828 ug/ml  |
| 16) T n-Octacosane (C28)       | 16.980 | 1839271    | 20.089 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.870 | 1882961    | 20.482 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.704 | 1863710    | 20.318 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.490 | 1677022    | 18.771 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.234 | 1555534    | 17.365 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.005 | 1694969    | 19.171 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.988 | 1747863    | 19.793 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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