

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE052125AL\  
 Data File : FE053964.D  
 Signal(s) : FID1B.ch  
 Acq On : 22 May 2025 00:53  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/22/2025  
 Supervised By :mohammad ahmed 05/23/2025

Integration File: autoint1.e  
 Quant Time: May 22 03:21:20 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 051425.M  
 Quant Title : GC Extractables  
 QLast Update : Wed May 14 12:15:41 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)    | 11.842 | 3024232    | 18.609 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.22%        |
| 12) S 1-chlorooctadecane (S... | 13.287 | 2240334    | 18.898 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.80%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.194  | 2413646    | 17.859 ug/ml  |
| 2) T n-Decane (C10)            | 4.455  | 2446058    | 18.101 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.168  | 2614134    | 18.190 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.635  | 2490541    | 18.258 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.270  | 2576372    | 18.574 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.470  | 2482938    | 18.399 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.082 | 2511190    | 18.610 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.529 | 2494522    | 18.525 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.842 | 2459009    | 18.710 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.455 | 2428253    | 18.730 ug/ml  |
| 13) T n-Docosane (C22)         | 14.043 | 2410695    | 18.896 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.148 | 2373163    | 18.968 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.171 | 2331673    | 19.042 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.122 | 2325352    | 19.129 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.012 | 2415185    | 19.389 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.845 | 2447322    | 19.570 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.630 | 2339516    | 19.640 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.372 | 2339414    | 20.204 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.102 | 2234464    | 20.533 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.995 | 2226753    | 22.440 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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