

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE042225AL\  
 Data File : FE053489.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 Apr 2025 03:49  
 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 04/23/2025  
 Supervised By :mohammad ahmed 04/24/2025

Integration File: autoint1.e  
 Quant Time: Apr 23 04:31:42 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 041725.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Apr 16 18:29:18 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)    | 11.872 | 3208622    | 17.790 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.58%        |
| 12) S 1-chlorooctadecane (S... | 13.316 | 2375692    | 17.575 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.15%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.220  | 2613621    | 19.063 ug/ml  |
| 2) T n-Decane (C10)            | 4.481  | 2666859    | 19.278 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.193  | 2905297    | 19.247 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.661  | 2694580    | 19.213 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.295  | 2874263    | 19.251 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.497  | 2663454    | 18.985 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.110 | 2661284    | 18.569 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.557 | 2610971    | 17.916 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.871 | 2578932    | 17.723 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.485 | 2548731    | 17.596 ug/ml  |
| 13) T n-Docosane (C22)         | 14.072 | 2517784    | 17.448 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.178 | 2486304    | 17.309 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.201 | 2443940    | 17.256 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.152 | 2437542    | 17.520 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.042 | 2514850    | 18.067 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.875 | 2542965    | 18.520 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.659 | 2419238    | 18.568 ug/mlm |
| 20) T n-Hexatriacontane (C36)  | 20.401 | 2426900    | 19.224 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.136 | 2373820    | 19.485 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.042 | 2354845    | 19.719 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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