

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE032825AL\  
 Data File : FE053054.D  
 Signal(s) : FID1B.ch  
 Acq On : 28 Mar 2025 20:38  
 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 03/31/2025  
 Supervised By :mohammad ahmed 04/01/2025

Integration File: autoint1.e  
 Quant Time: Mar 28 22:57:28 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 030325.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Mar 03 13:39:39 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)    | 11.895 | 2872812    | 17.041 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 34.08%        |
| 12) S 1-chlorooctadecane (S... | 13.340 | 2146784    | 17.680 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.36%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.240  | 2576515    | 16.617 ug/ml  |
| 2) T n-Decane (C10)            | 4.502  | 2749805    | 17.504 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.214  | 2947154    | 17.378 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.682  | 2753416    | 17.684 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.316  | 2827158    | 17.445 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.518  | 2704488    | 17.874 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.132 | 2762985    | 18.072 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.580 | 2728875    | 17.936 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.894 | 2573878    | 17.730 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.508 | 2499700    | 17.563 ug/ml  |
| 13) T n-Docosane (C22)         | 14.096 | 2491438    | 17.507 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.203 | 2525805    | 17.650 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.226 | 2520111    | 17.723 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.177 | 2640691    | 18.571 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.067 | 2961773    | 20.053 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.903 | 3046460    | 20.984 ug/mlm |
| 19) T n-Tetratriacontane (C34) | 19.687 | 2710196    | 20.108 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.427 | 2353364    | 19.806 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.166 | 2227158    | 20.076 ug/mlm |
| 22) T n-Tetracontane (C40)     | 22.079 | 2074966    | 19.192 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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