

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE062425AL\  
 Data File : FE054559.D  
 Signal(s) : FID1B.ch  
 Acq On : 24 Jun 2025 06:53  
 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 06/25/2025  
 Supervised By :mohammad ahmed 06/26/2025

Integration File: autoint1.e  
 Quant Time: Jun 24 07:58:11 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_E\methods\Aliphatic EPH 061025.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jun 10 07:24:04 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)    | 11.824 | 3098670    | 18.753 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 37.51%        |
| 12) S 1-chlorooctadecane (S... | 13.269 | 2162361    | 17.732 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 35.46%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.171  | 2271429    | 18.291 ug/ml  |
| 2) T n-Decane (C10)            | 4.435  | 2336826    | 18.807 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.151  | 2454265    | 18.161 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.617  | 2417479    | 18.986 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.254  | 2445611    | 18.464 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.452  | 2472927    | 19.101 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.064 | 2498139    | 18.806 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.510 | 2542814    | 18.831 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.824 | 2512612    | 18.782 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.438 | 2494519    | 18.760 ug/ml  |
| 13) T n-Docosane (C22)         | 14.025 | 2492545    | 19.009 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.131 | 2484740    | 19.262 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.156 | 2445407    | 19.481 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.108 | 2523953    | 20.582 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.999 | 2812782    | 22.694 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.833 | 2856417    | 22.734 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.618 | 2425968    | 19.500 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.359 | 2210512    | 17.172 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.087 | 2005059    | 15.185 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.975 | 2045221    | 15.183 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

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