

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_E\Data\FE052325AL\  
 Data File : FE054007.D  
 Signal(s) : FID1B.ch  
 Acq On : 23 May 2025 18:50  
 Operator : YP\AJ  
 Sample : Q2113-01MS  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

**Instrument :**

FID\_E

**ClientSampleId :**

HD-02-05222025MS

**Manual Integrations****APPROVED**

Reviewed By :Yogesh Patel 05/27/2025

Supervised By :mohammad ahmed 05/29/2025

Integration File: autoint1.e

Quant Time: May 23 23:00:56 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)    | 11.849 | 6255996    | 38.496 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 76.99%        |
| 12) S 1-chlorooctadecane (S... | 13.294 | 5203044    | 43.889 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 87.78%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.191  | 2448670    | 18.118 ug/ml  |
| 2) T n-Decane (C10)            | 4.456  | 2706896    | 20.032 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.170  | 3230541    | 22.479 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.638  | 3139043    | 23.013 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.272  | 3247677    | 23.414 ug/ml  |
| 6) T n-Tetradecane (C14)       | 8.474  | 3785034    | 28.048 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.085 | 3993548    | 29.596 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.534 | 3977690    | 29.539 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.848 | 4000279    | 30.437 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.461 | 3861045    | 29.782 ug/ml  |
| 13) T n-Docosane (C22)         | 14.050 | 3773610    | 29.579 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.145 | 7318139    | 58.491 ug/mlm |
| 15) T n-Hexacosane (C26)       | 16.180 | 3551315    | 29.002 ug/mlm |
| 16) T n-Octacosane (C28)       | 17.131 | 3518596    | 28.944 ug/ml  |
| 17) T n-Tricontane (C30)       | 18.022 | 3771910    | 30.281 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.856 | 3588413    | 28.695 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.643 | 3662836    | 30.749 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.384 | 3912922    | 33.794 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.119 | 4462474    | 41.006 ug/ml  |
| 22) T n-Tetracontane (C40)     | 22.023 | 3885303    | 39.154 ug/mlm |
| -----                          |        |            |               |

(f)=RT Delta &gt; 1/2 Window

(m)=manual int.

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