

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_G\Data\FG051625AL\
 Data File : FG015844.D
 Signal(s) : FID1A.ch
 Acq On : 16 May 2025 10:58
 Operator : YP\AJ
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 FID_G
 ClientSampleId :
 20 PPM ALIPHATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/19/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File: autoint1.e
 Quant Time: May 17 00:41:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_G\Method\Aliphatic EPH 051225.M
 Quant Title : GC Extractables
 QLast Update : Mon May 12 12:44:43 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)	11.889	2900878	19.484 ug/ml
Spiked Amount 50.000		Recovery =	38.97%
12) S 1-chlorooctadecane (S...	13.333	2181401	18.936 ug/ml
Spiked Amount 50.000		Recovery =	37.87%
Target Compounds			
1) T n-Nonane (C9)	3.236	2292389	20.432 ug/ml
2) T n-Decane (C10)	4.495	2314197	20.454 ug/ml
3) T A~Naphthalene (C11.7)	6.208	2402025	20.546 ug/ml
4) T n-Dodecane (C12)	6.675	2364978	20.524 ug/ml
5) T A~2-methylnaphthalene...	7.311	2313341	20.253 ug/ml
6) T n-Tetradecane (C14)	8.512	2348246	20.387 ug/ml
7) T n-Hexadecane (C16)	10.126	2382650	20.146 ug/ml
8) T n-Octadecane (C18)	11.573	2405099	19.786 ug/mlm
10) T n-Eicosane (C20)	12.887	2366974	19.314 ug/ml
11) T n-Heneicosane (C21)	13.501	2346131	19.154 ug/ml
13) T n-Docosane (C22)	14.090	2311049	18.968 ug/ml
14) T n-Tetracosane (C24)	15.196	2264478	18.695 ug/ml
15) T n-Hexacosane (C26)	16.220	2207035	18.437 ug/ml
16) T n-Octacosane (C28)	17.172	2148260	18.219 ug/ml
17) T n-Tricontane (C30)	18.062	2148296	18.079 ug/ml
18) T n-Dotriacontane (C32)	18.896	2194040	18.575 ug/ml
19) T n-Tetratriacontane (C34)	19.681	2053967	18.394 ug/ml
20) T n-Hexatriacontane (C36)	20.423	2060401	19.054 ug/mlm
21) T n-Octatriacontane (C38)	21.161	1958256	18.852 ug/ml
22) T n-Tetracontane (C40)	22.079	2016889	19.778 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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