

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC080823AL\
 Data File : FC064347.D
 Signal(s) : FID1A.ch
 Acq On : 08 Aug 2023 11:29
 Operator : YP/AJ
 Sample : 03572-09
 Misc : MDL 2.5 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/09/2023
 Supervised By :Ankita Jodhani 08/09/2023

Integration File: autoint1.e
 Quant Time: Aug 09 02:03:44 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 072323.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 24 01:54:49 2023
 Response via : Initial Calibration
 Integrator: ChemStation

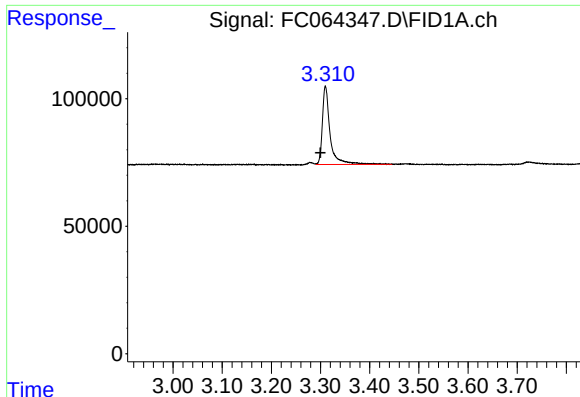
Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
12) S 1-chlorooctadecane (S...	12.950	5355843	42.469 ug/ml
Spiked Amount 50.000		Recovery =	84.94%
Target Compounds			
1) T n-Nonane (C9)	3.310	338352	2.085 ug/mlm
2) T n-Decane (C10)	4.370	316493	1.935 ug/mlm
4) T n-Dodecane (C12)	6.383	301998	1.850 ug/mlm
6) T n-Tetradecane (C14)	8.175	339122	2.160 ug/mlm
7) T n-Hexadecane (C16)	9.771	304406	1.936 ug/mlm
8) T n-Octadecane (C18)	11.204	400277	2.526 ug/mlm
10) T n-Eicosane (C20)	12.509	299617	2.008 ug/ml
11) T n-Heneicosane (C21)	13.118	290755	1.992 ug/ml
13) T n-Docosane (C22)	13.706	282377	1.978 ug/mlm
14) T n-Tetracosane (C24)	14.803	273961	1.950 ug/ml
15) T n-Hexacosane (C26)	15.820	275795	2.008 ug/ml
16) T n-Octacosane (C28)	16.769	281920	2.102 ug/ml
17) T n-Tricontane (C30)	17.650	283429	2.042 ug/ml
18) T n-Dotriacontane (C32)	18.479	288208	2.048 ug/ml
19) T n-Tetratriacontane (C34)	19.259	260031	1.873 ug/ml
20) T n-Hexatriacontane (C36)	19.995	230956	1.702 ug/mlm
21) T n-Octatriacontane (C38)	20.721	161226	1.189 ug/ml
22) T n-Tetracontane (C40)	21.611	121838	0.907 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.



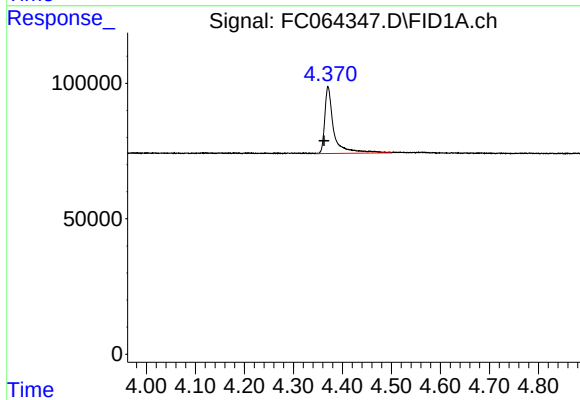
#1 n-Nonane (C9)

R.T.: 3.310 min
Delta R.T.: 0.010 min
Response: 338352
Conc: 2.09 ug/ml

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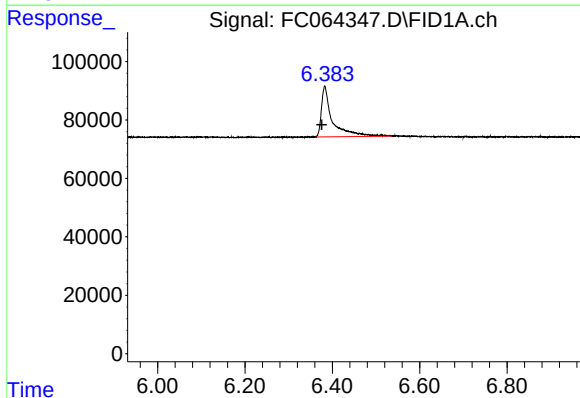
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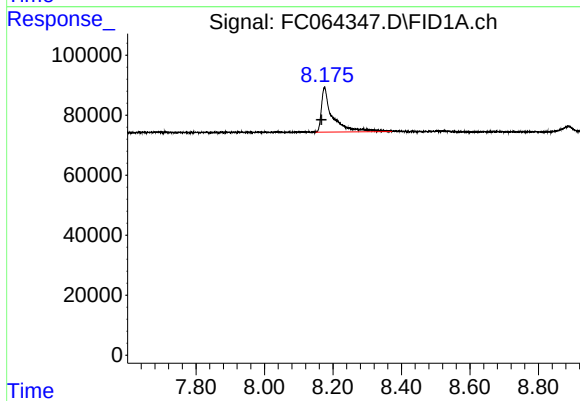
#2 n-Decane (C10)

R.T.: 4.370 min
Delta R.T.: 0.007 min
Response: 316493
Conc: 1.94 ug/ml m



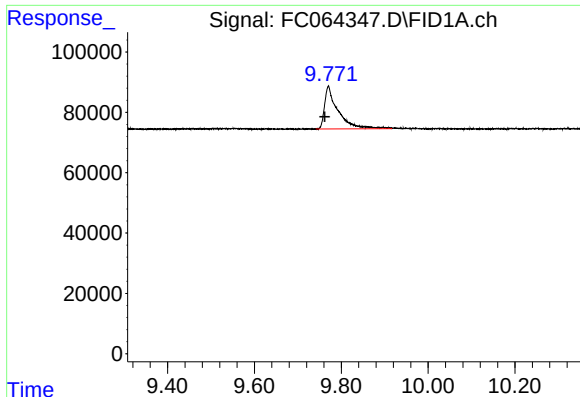
#4 n-Dodecane (C12)

R.T.: 6.383 min
Delta R.T.: 0.007 min
Response: 301998
Conc: 1.85 ug/ml m



#6 n-Tetradecane (C14)

R.T.: 8.175 min
Delta R.T.: 0.009 min
Response: 339122
Conc: 2.16 ug/ml m



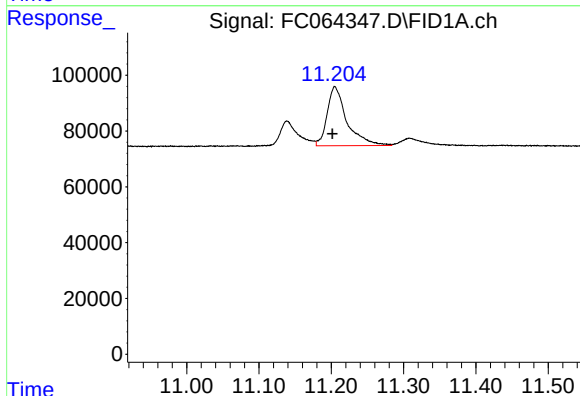
#7 n-Hexadecane (C16)

R.T.: 9.771 min
Delta R.T.: 0.009 min
Response: 304406
Conc: 1.94 ug/ml

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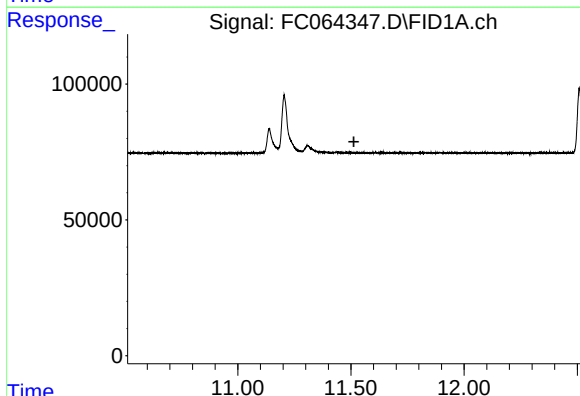
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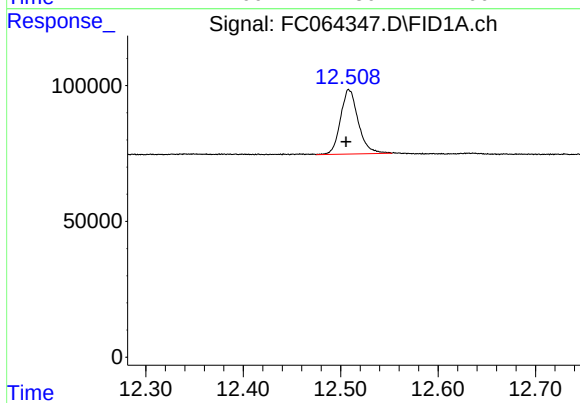
#8 n-Octadecane (C18)

R.T.: 11.204 min
Delta R.T.: 0.002 min
Response: 400277
Conc: 2.53 ug/ml m



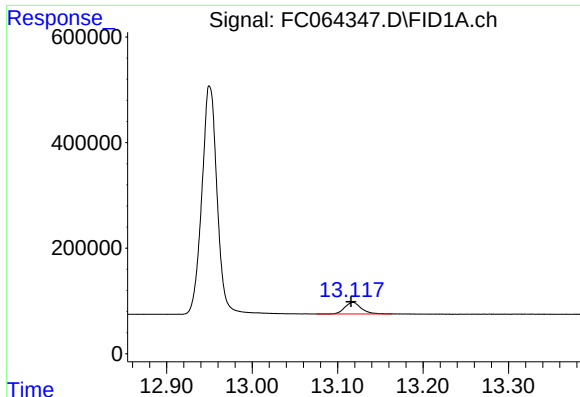
#9 ortho-Terphenyl (SURR)

R.T.: 0.000 min
Exp R.T. : 11.513 min
Response: 0
Conc: N.D.



#10 n-Eicosane (C20)

R.T.: 12.509 min
Delta R.T.: 0.003 min
Response: 299617
Conc: 2.01 ug/ml



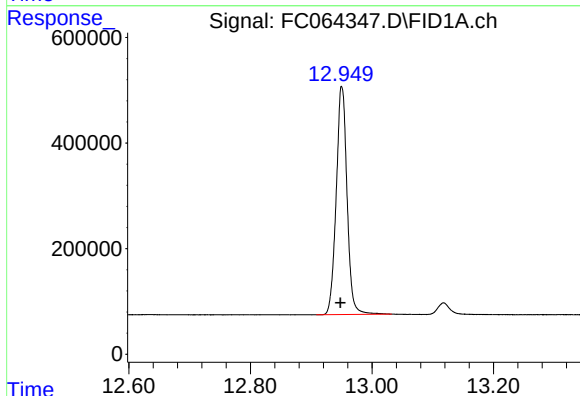
#11 n-Heneicosane (C21)

R.T.: 13.118 min
Delta R.T.: 0.002 min
Response: 290755
Conc: 1.99 ug/ml

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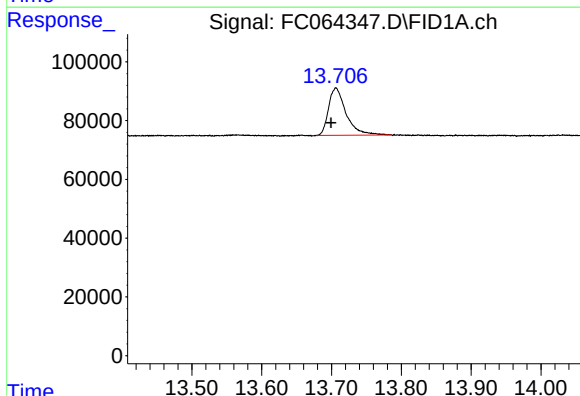
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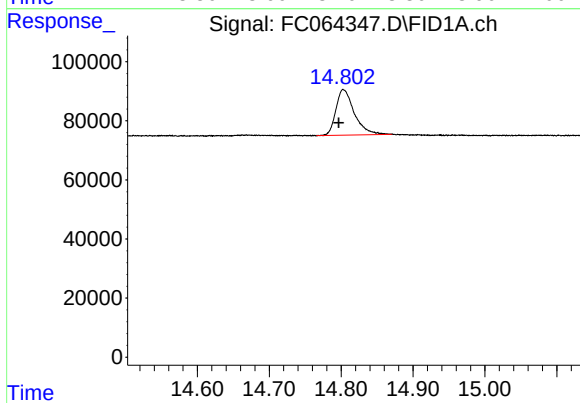
#12 1-chlorooctadecane (SURR)

R.T.: 12.950 min
Delta R.T.: 0.002 min
Response: 5355843
Conc: 42.47 ug/ml



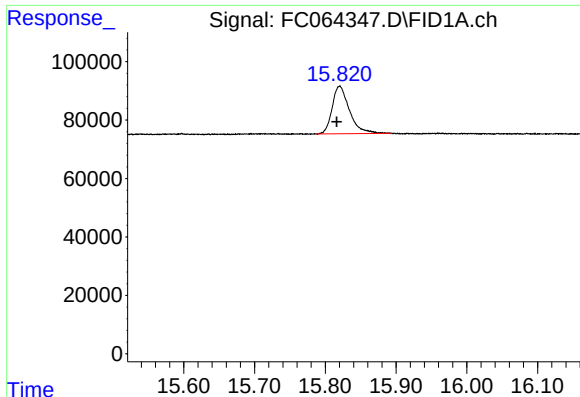
#13 n-Docosane (C22)

R.T.: 13.706 min
Delta R.T.: 0.007 min
Response: 282377
Conc: 1.98 ug/ml m



#14 n-Tetracosane (C24)

R.T.: 14.803 min
Delta R.T.: 0.006 min
Response: 273961
Conc: 1.95 ug/ml



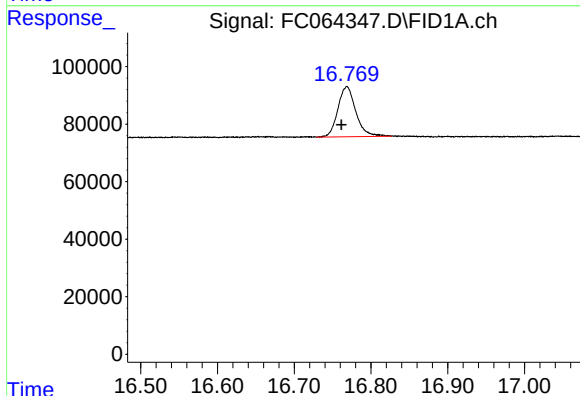
#15 n-Hexacosane (C26)

R.T.: 15.820 min
Delta R.T.: 0.004 min
Response: 275795
Conc: 2.01 ug/ml

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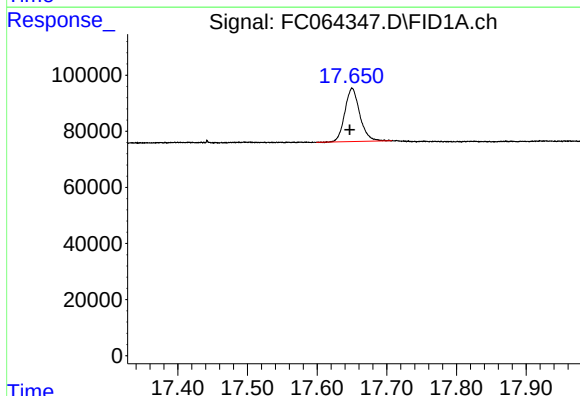
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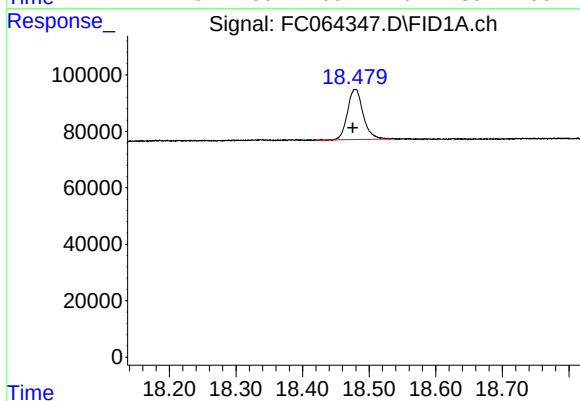
#16 n-Octacosane (C28)

R.T.: 16.769 min
Delta R.T.: 0.007 min
Response: 281920
Conc: 2.10 ug/ml



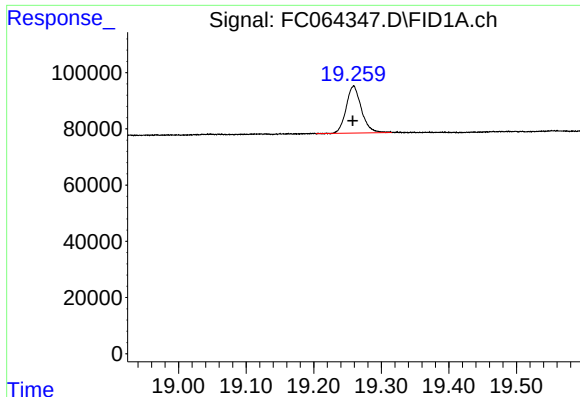
#17 n-Tricontane (C30)

R.T.: 17.650 min
Delta R.T.: 0.003 min
Response: 283429
Conc: 2.04 ug/ml



#18 n-Dotriacontane (C32)

R.T.: 18.479 min
Delta R.T.: 0.004 min
Response: 288208
Conc: 2.05 ug/ml



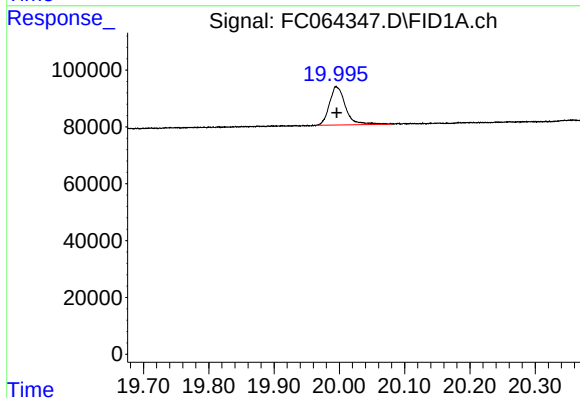
#19 n-Tetratriacontane (C34)

R.T.: 19.259 min
Delta R.T.: 0.001 min
Response: 260031
Conc: 1.87 ug/ml

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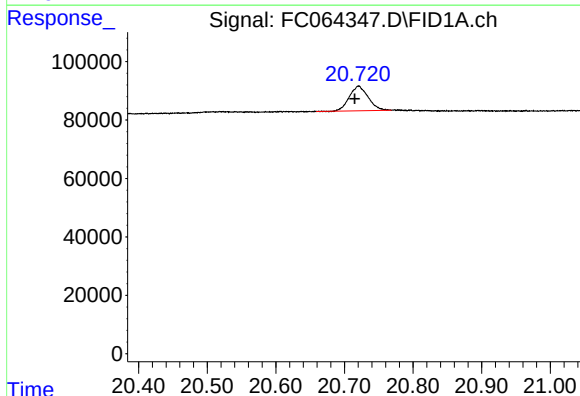
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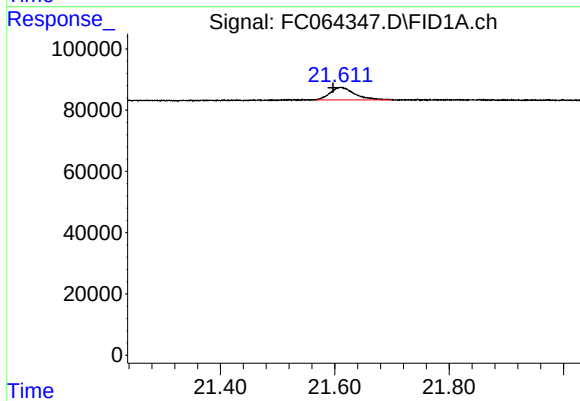
#20 n-Hexatriacontane (C36)

R.T.: 19.995 min
Delta R.T.: -0.001 min
Response: 230956
Conc: 1.70 ug/ml m



#21 n-Octatriacontane (C38)

R.T.: 20.721 min
Delta R.T.: 0.006 min
Response: 161226
Conc: 1.19 ug/ml



#22 n-Tetracontane (C40)

R.T.: 21.611 min
Delta R.T.: 0.014 min
Response: 121838
Conc: 0.91 ug/ml m