

Initial Calibration Report for SequenceID : FG093024AL

**AreaCount**

| Parameter Range   | FG014356.D    | FG014357.D   | FG014358.D   | FG014359.D   | FG014360.D   |  |
|-------------------|---------------|--------------|--------------|--------------|--------------|--|
| Aliphatic C9-C12  | 37931758.000  | 17938049.000 | 7466577.000  | 3817477.000  | 1947253.000  |  |
| Aliphatic C12-C16 | 25483480.000  | 12028276.000 | 4972664.000  | 2464199.000  | 1171636.000  |  |
| Aliphatic C16-C21 | 37601110.000  | 17785089.000 | 7458191.000  | 3807724.000  | 1938981.000  |  |
| Aliphatic C21-C28 | 47412679.000  | 22722906.000 | 9285033.000  | 4779445.000  | 2521061.000  |  |
| Aliphatic C28-C40 | 52009151.000  | 26752395.000 | 11132912.000 | 5768116.000  | 3154800.000  |  |
| Aliphatic EPH     | 200438178.000 | 97226715.000 | 40315377.000 | 20636961.000 | 10733731.000 |  |

**AVG Response Factor**

| Parameter Range   | AVG RF         | % RSD |  |  |  |  |
|-------------------|----------------|-------|--|--|--|--|
| Aliphatic C9-C12  | 125507.047333  | 3.051 |  |  |  |  |
| Aliphatic C12-C16 | 122478.062     | 3.198 |  |  |  |  |
| Aliphatic C16-C21 | 124879.4019998 | 3.198 |  |  |  |  |
| Aliphatic C21-C28 | 118749.663     | 3.939 |  |  |  |  |
| Aliphatic C28-C40 | 93985.220333   | 7.662 |  |  |  |  |
| Aliphatic EPH     | 113056.9692218 | 3.71  |  |  |  |  |

**Concentration**

| Parameter Range   | FG014356.D | FG014357.D | FG014358.D | FG014359.D | FG014360.D |  |
|-------------------|------------|------------|------------|------------|------------|--|
| Aliphatic C9-C12  | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C12-C16 | 200.000    | 100.000    | 40.000     | 20.000     | 10.000     |  |
| Aliphatic C16-C21 | 300.000    | 150.000    | 60.000     | 30.000     | 15.000     |  |
| Aliphatic C21-C28 | 400.000    | 200.000    | 80.000     | 40.000     | 20.000     |  |
| Aliphatic C28-C40 | 600.000    | 300.000    | 120.000    | 60.000     | 30.000     |  |
| Aliphatic EPH     | 1800.000   | 900.000    | 360.000    | 180.000    | 90.000     |  |

**Response Factor**

| Parameter Range   | FG014356.D    | FG014357.D    | FG014358.D    | FG014359.D    | FG014360.D    |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C9-C12  | 126439.193333 | 119586.993333 | 124442.950000 | 127249.233333 | 129816.866666 |  |
| Aliphatic C12-C16 | 127417.400000 | 120282.760000 | 124316.600000 | 123209.950000 | 117163.600000 |  |
| Aliphatic C16-C21 | 125337.033333 | 118567.260000 | 124303.183333 | 126924.133333 | 129265.400000 |  |

Initial Calibration Report for SequenceID : FG093024AL

|                   |               |               |               |               |               |  |
|-------------------|---------------|---------------|---------------|---------------|---------------|--|
| Aliphatic C21-C28 | 118531.697500 | 113614.530000 | 116062.912500 | 119486.125000 | 126053.050000 |  |
| Aliphatic C28-C40 | 86681.918333  | 89174.650000  | 92774.266666  | 96135.266666  | 105160.000000 |  |
| Aliphatic EPH     | 111354.543333 | 108029.683333 | 111987.158333 | 114649.783333 | 119263.677777 |  |

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
 Data File : FG014356.D  
 Signal(s) : FID1A.ch  
 Acq On : 30 Sep 2024 18:18  
 Operator : YP\AJ  
 Sample : 100 PPM ALIPHATIC HC STD1  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e  
 Quant Time: Oct 01 09:14:18 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 01 09:12:59 2024  
 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)    | 11.819 | 13802767   | 101.159 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 202.32%       |
| 12) S 1-chlorooctadecane (S... | 13.263 | 10135284   | 102.357 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 204.71%       |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.196  | 12501236   | 101.415 ug/ml |
| 2) T n-Decane (C10)            | 4.445  | 12715098   | 101.313 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.145  | 13275031   | 106.544 ug/ml |
| 4) T n-Dodecane (C12)          | 6.617  | 12715424   | 102.084 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.244  | 12644668   | 114.834 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.449  | 12604043   | 103.100 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.060 | 12879437   | 101.908 ug/ml |
| 8) T n-Octadecane (C18)        | 11.509 | 13009516   | 100.726 ug/ml |
| 10) T n-Eicosane (C20)         | 12.821 | 12414103   | 100.895 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.433 | 12177491   | 100.880 ug/ml |
| 13) T n-Docosane (C22)         | 14.022 | 12115358   | 101.687 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.127 | 12068092   | 102.492 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.151 | 11771539   | 102.396 ug/ml |
| 16) T n-Octacosane (C28)       | 17.102 | 11457690   | 101.936 ug/ml |
| 17) T n-Tricontane (C30)       | 17.992 | 11405458   | 99.103 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.827 | 10775403   | 96.747 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.612 | 9297388    | 94.992 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.352 | 7812549    | 88.984 ug/ml  |
| 21) T n-Octatriacontane (C38)  | 21.082 | 6886555    | 90.128 ug/ml  |
| 22) T n-Tetracontane (C40)     | 21.971 | 5831798    | 85.636 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

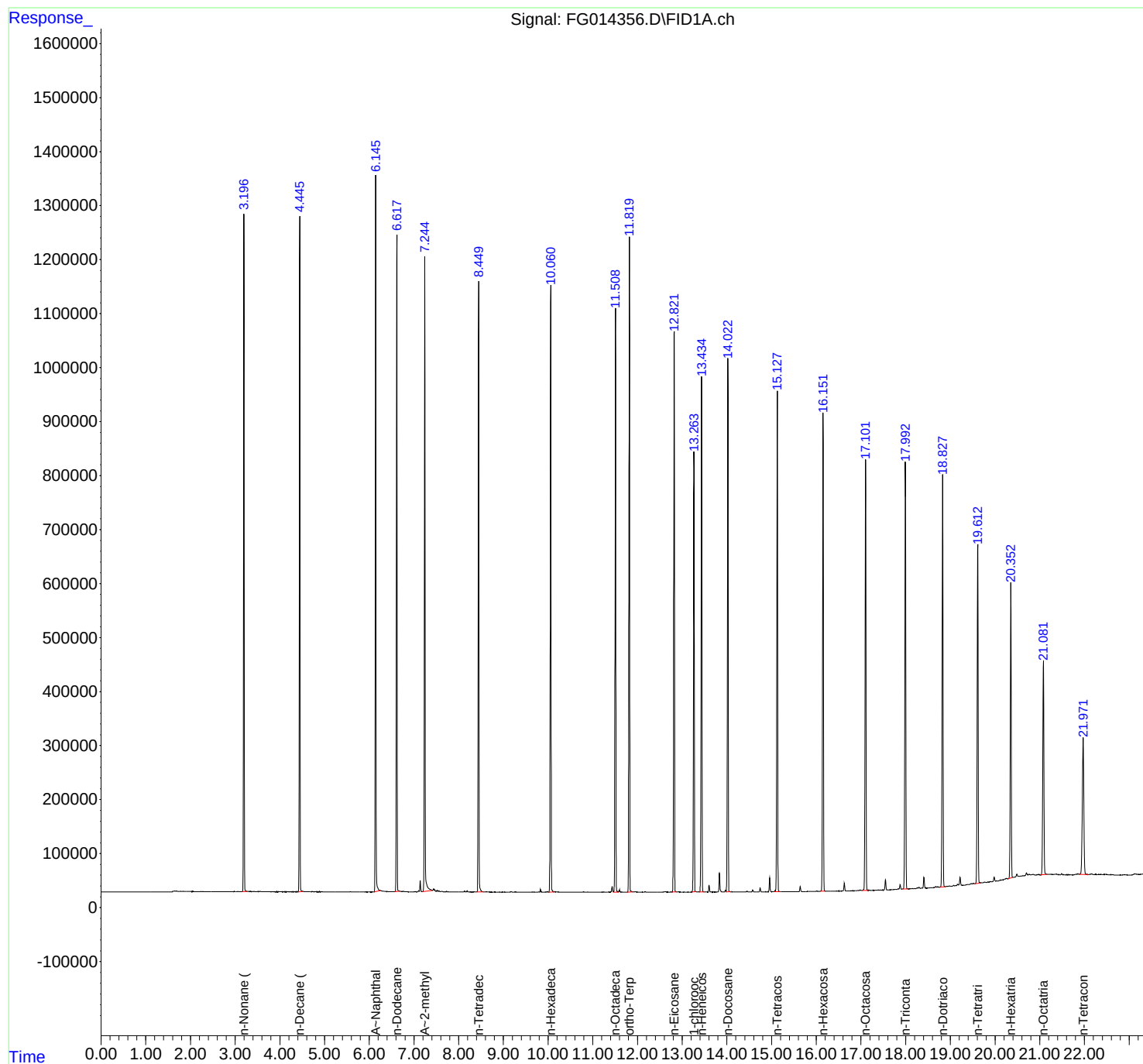
(m)=manual int.

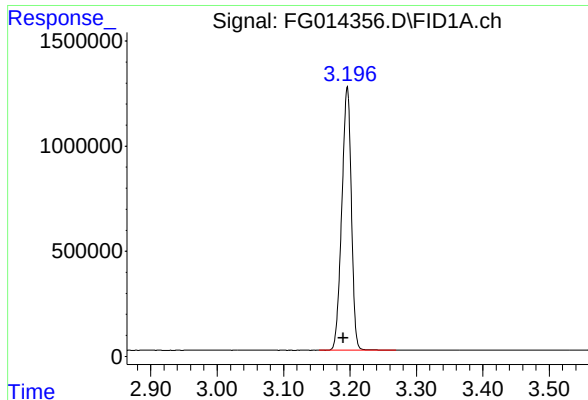
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014356.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 18:18  
Operator : YP\AJ  
Sample : 100 PPM ALIPHATIC HC STD1  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1

Integration File: autoint1.e  
Quant Time: Oct 01 09:14:18 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 01 09:12:59 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

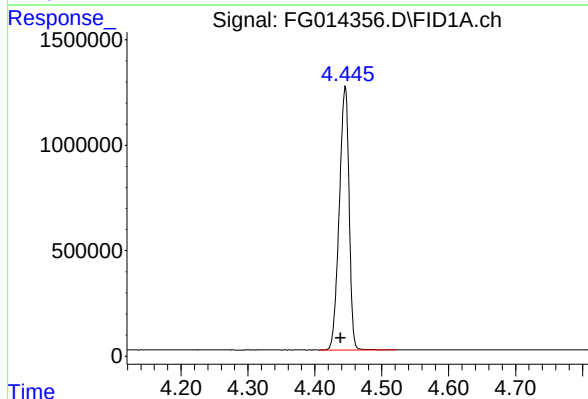




#1 n-Nonane (C9)

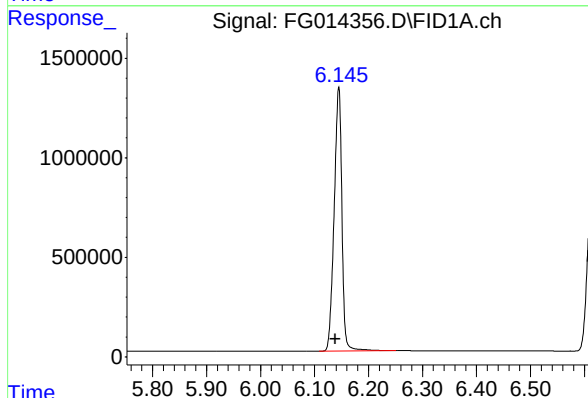
R.T.: 3.196 min  
Delta R.T.: 0.006 min  
Response: 12501236  
Conc: 101.42 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



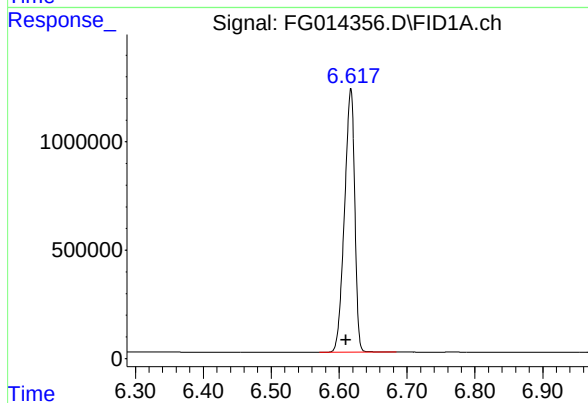
#2 n-Decane (C10)

R.T.: 4.445 min  
Delta R.T.: 0.007 min  
Response: 12715098  
Conc: 101.31 ug/ml



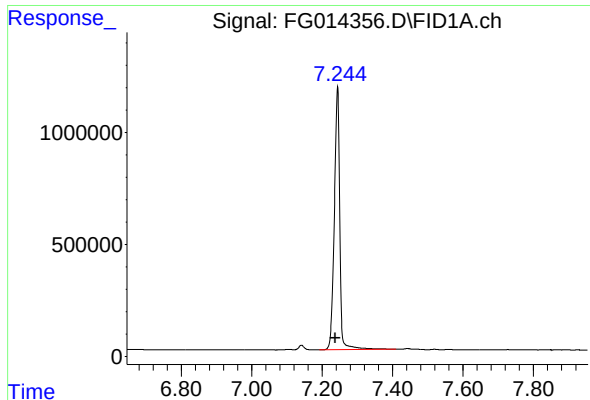
#3 A~Naphthalene (C11.7)

R.T.: 6.145 min  
Delta R.T.: 0.006 min  
Response: 13275031  
Conc: 106.54 ug/ml



#4 n-Dodecane (C12)

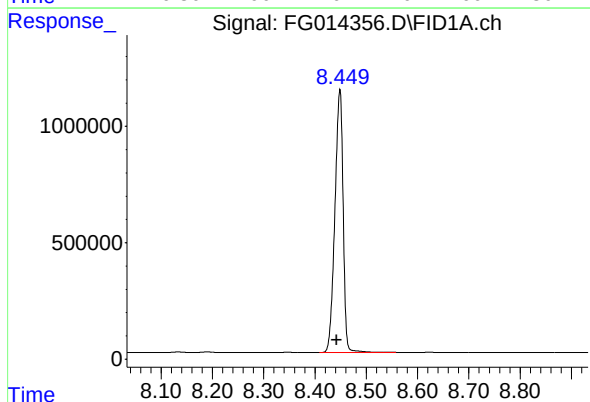
R.T.: 6.617 min  
Delta R.T.: 0.007 min  
Response: 12715424  
Conc: 102.08 ug/ml



#5 A~2-methylnaphthalene (C12.89)

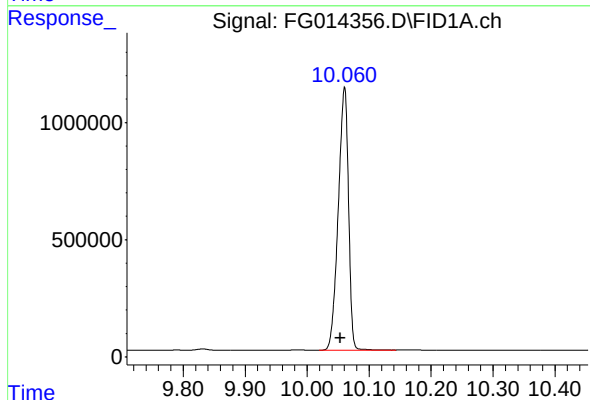
R.T.: 7.244 min  
Delta R.T.: 0.007 min  
Response: 12644668  
Conc: 114.83 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



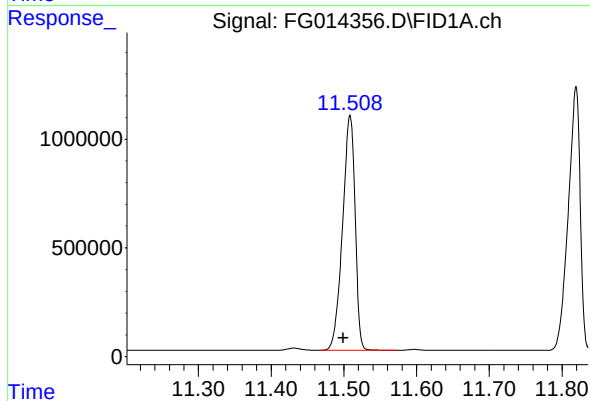
#6 n-Tetradecane (C14)

R.T.: 8.449 min  
Delta R.T.: 0.007 min  
Response: 12604043  
Conc: 103.10 ug/ml



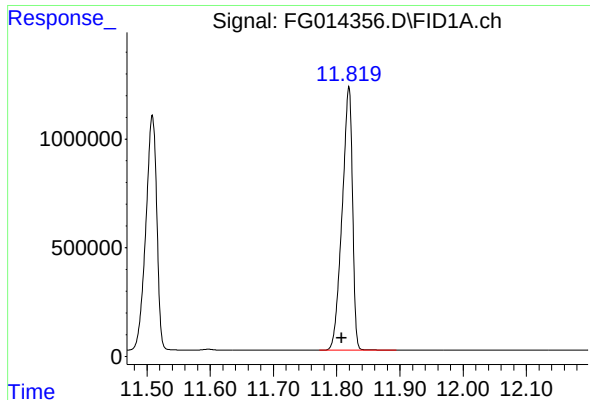
#7 n-Hexadecane (C16)

R.T.: 10.060 min  
Delta R.T.: 0.007 min  
Response: 12879437  
Conc: 101.91 ug/ml



#8 n-Octadecane (C18)

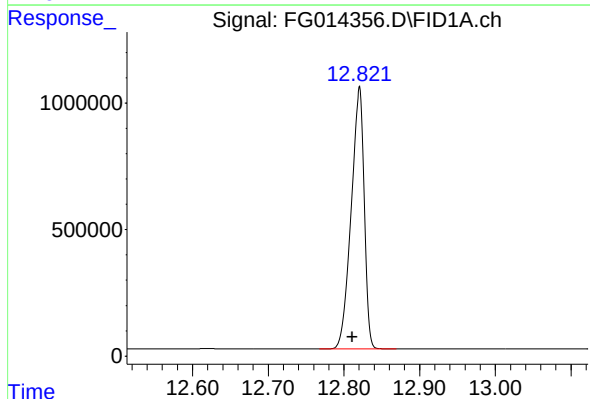
R.T.: 11.509 min  
Delta R.T.: 0.009 min  
Response: 13009516  
Conc: 100.73 ug/ml



#9 ortho-Terphenyl (SURR)

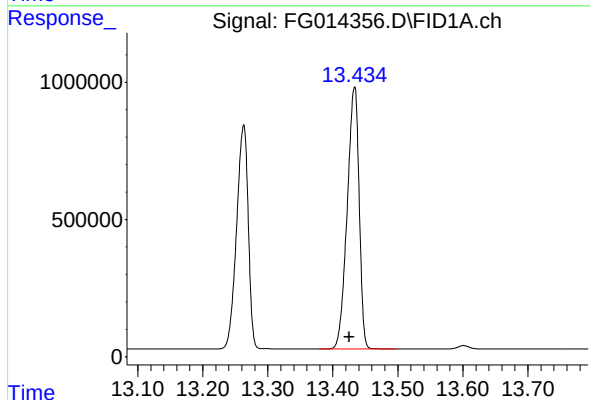
R.T.: 11.819 min  
Delta R.T.: 0.011 min  
Response: 13802767  
Conc: 101.16 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



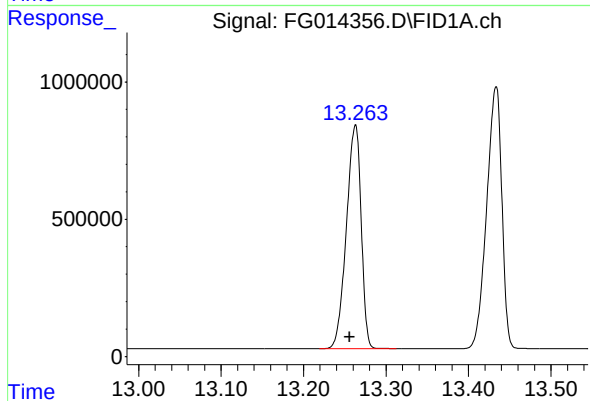
#10 n-Eicosane (C20)

R.T.: 12.821 min  
Delta R.T.: 0.010 min  
Response: 12414103  
Conc: 100.90 ug/ml



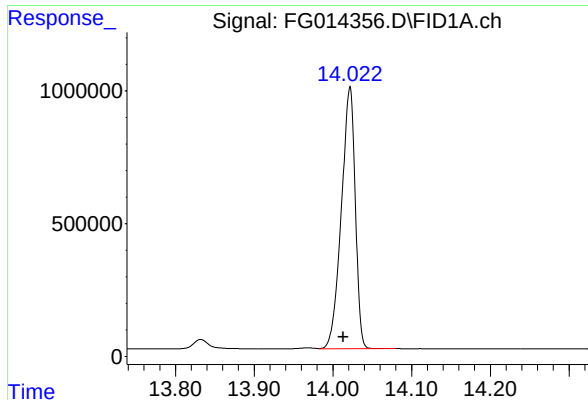
#11 n-Heneicosane (C21)

R.T.: 13.433 min  
Delta R.T.: 0.008 min  
Response: 12177491  
Conc: 100.88 ug/ml



#12 1-chlorooctadecane (SURR)

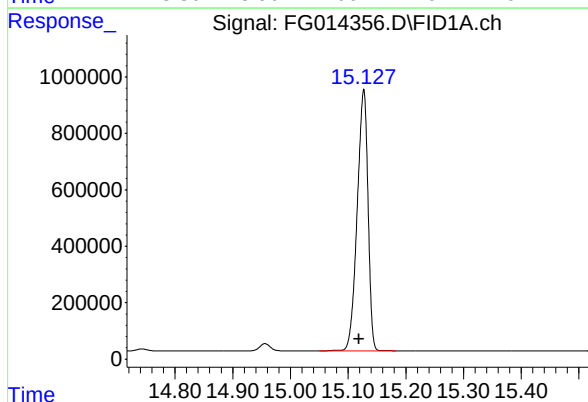
R.T.: 13.263 min  
Delta R.T.: 0.007 min  
Response: 10135284  
Conc: 102.36 ug/ml



#13 n-Docosane (C22)

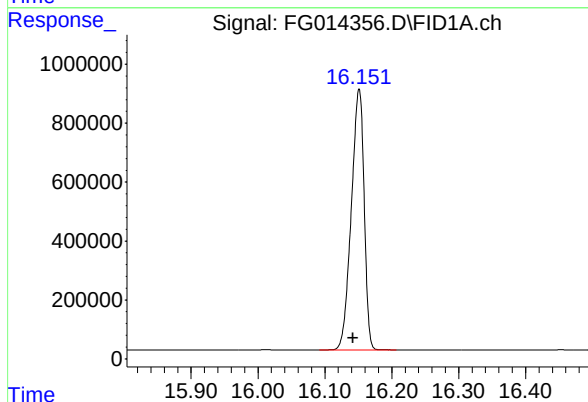
R.T.: 14.022 min  
Delta R.T.: 0.008 min  
Response: 12115358  
Conc: 101.69 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



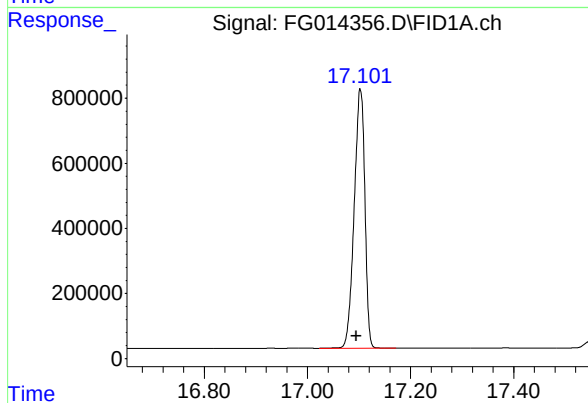
#14 n-Tetracosane (C24)

R.T.: 15.127 min  
Delta R.T.: 0.008 min  
Response: 12068092  
Conc: 102.49 ug/ml



#15 n-Hexacosane (C26)

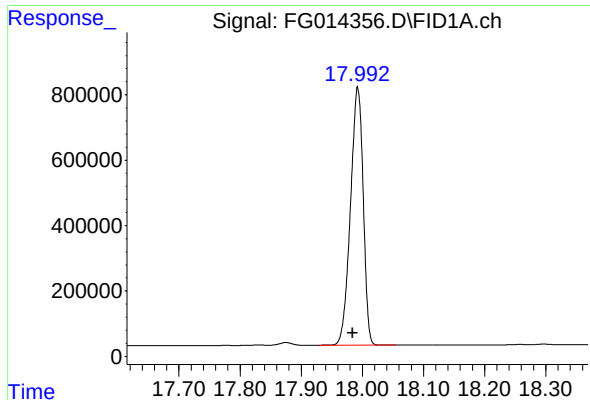
R.T.: 16.151 min  
Delta R.T.: 0.009 min  
Response: 11771539  
Conc: 102.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.102 min  
Delta R.T.: 0.008 min  
Response: 11457690  
Conc: 101.94 ug/ml

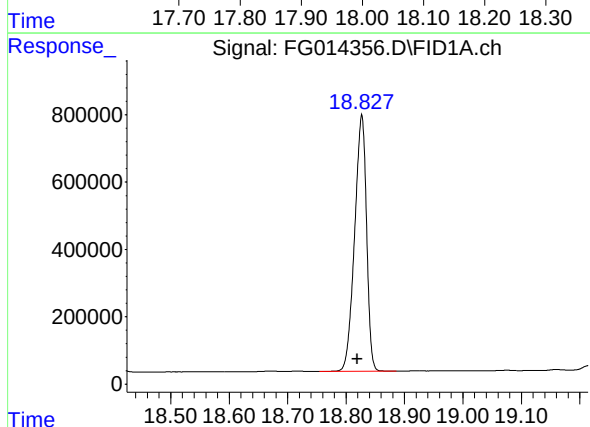




#17 n-Tricontane (C30)

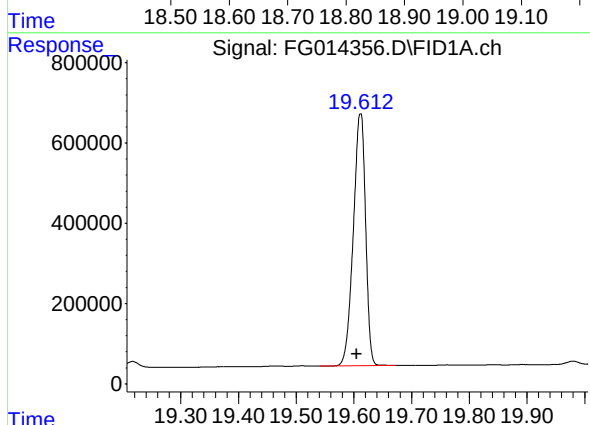
R.T.: 17.992 min  
Delta R.T.: 0.008 min  
Response: 11405458  
Conc: 99.10 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
100 PPM ALIPHATIC HC STD1



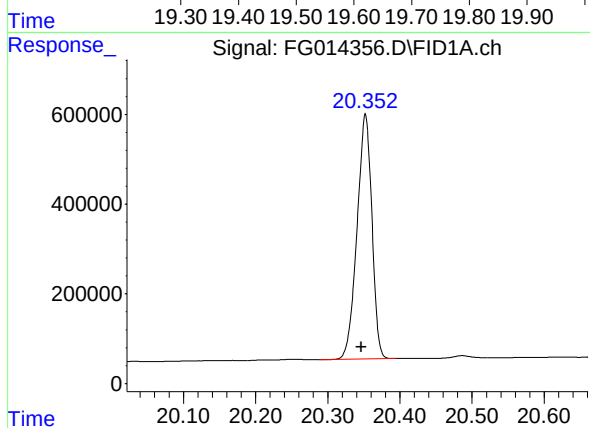
#18 n-Dotriacontane (C32)

R.T.: 18.827 min  
Delta R.T.: 0.008 min  
Response: 10775403  
Conc: 96.75 ug/ml



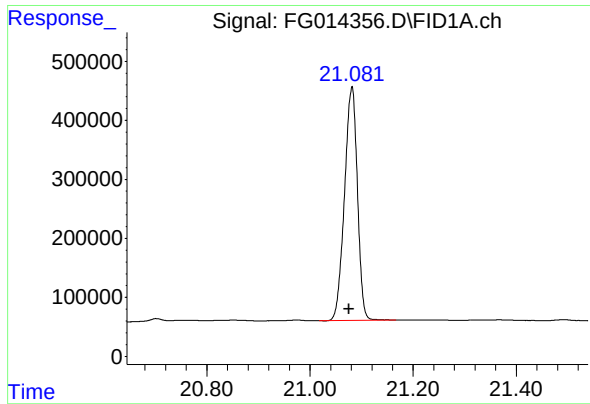
#19 n-Tetatriacontane (C34)

R.T.: 19.612 min  
Delta R.T.: 0.007 min  
Response: 9297388  
Conc: 94.99 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.352 min  
Delta R.T.: 0.006 min  
Response: 7812549  
Conc: 88.98 ug/ml



#21 n-Octatriacontane (C38)

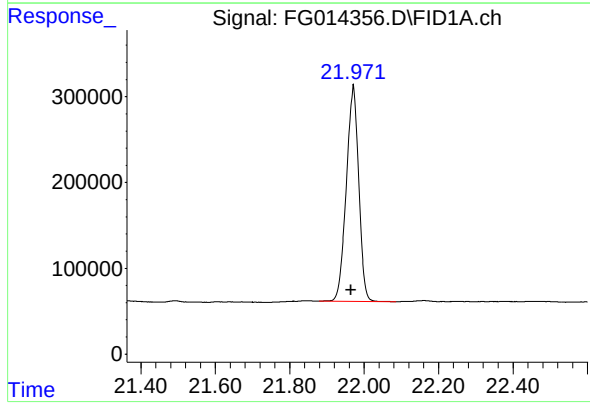
R.T.: 21.082 min  
Delta R.T.: 0.006 min  
Response: 6886555  
Conc: 90.13 ug/ml

Instrument :

FID\_G

ClientSampleId :

100 PPM ALIPHATIC HC STD1



#22 n-Tetracontane (C40)

R.T.: 21.971 min  
Delta R.T.: 0.006 min  
Response: 5831798  
Conc: 85.64 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014356.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 18:18  
Sample : 100 PPM ALIPHATIC HC STD1  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.196       | 3.153        | 3.269      | BB       | 1254064        | 12501236     | 90.57%         | 4.995%        |
| 2                       | 4.445       | 4.407        | 4.522      | BB       | 1248716        | 12715098     | 92.12%         | 5.080%        |
| 3                       | 6.145       | 6.108        | 6.251      | BB       | 1327347        | 13275031     | 96.18%         | 5.304%        |
| 4                       | 6.617       | 6.571        | 6.684      | BB       | 1218239        | 12715424     | 92.12%         | 5.080%        |
| 5                       | 7.244       | 7.192        | 7.410      | BB       | 1175842        | 12644668     | 91.61%         | 5.052%        |
| 6                       | 8.449       | 8.408        | 8.558      | BB       | 1129629        | 12604043     | 91.32%         | 5.036%        |
| 7                       | 10.060      | 10.019       | 10.143     | BB       | 1122762        | 12879437     | 93.31%         | 5.146%        |
| 8                       | 11.509      | 11.466       | 11.572     | VV       | 1081306        | 13009516     | 94.25%         | 5.198%        |
| 9                       | 11.819      | 11.773       | 11.894     | BB       | 1212462        | 13802767     | 100.00%        | 5.515%        |
| 10                      | 12.821      | 12.768       | 12.869     | BB       | 1038420        | 12414103     | 89.94%         | 4.960%        |
| 11                      | 13.263      | 13.219       | 13.313     | BB       | 816521         | 10135284     | 73.43%         | 4.049%        |
| 12                      | 13.433      | 13.379       | 13.498     | BB       | 953613         | 12177491     | 88.23%         | 4.865%        |
| 13                      | 14.022      | 13.982       | 14.080     | VB       | 986713         | 12115358     | 87.77%         | 4.840%        |
| 14                      | 15.127      | 15.050       | 15.183     | BB       | 928182         | 12068092     | 87.43%         | 4.822%        |
| 15                      | 16.151      | 16.092       | 16.207     | BB       | 885532         | 11771539     | 85.28%         | 4.703%        |
| 16                      | 17.102      | 17.023       | 17.172     | BB       | 795139         | 11457690     | 83.01%         | 4.578%        |
| 17                      | 17.992      | 17.929       | 18.055     | BB       | 788673         | 11405458     | 82.63%         | 4.557%        |
| 18                      | 18.827      | 18.754       | 18.886     | BB       | 762760         | 10775403     | 78.07%         | 4.305%        |
| 19                      | 19.612      | 19.540       | 19.673     | BB       | 627398         | 9297388      | 67.36%         | 3.715%        |
| 20                      | 20.352      | 20.288       | 20.395     | BB       | 546310         | 7812549      | 56.60%         | 3.121%        |
| 21                      | 21.082      | 21.018       | 21.167     | BB       | 396788         | 6886555      | 49.89%         | 2.751%        |
| 22                      | 21.971      | 21.879       | 22.085     | BV       | 253135         | 5831798      | 42.25%         | 2.330%        |
| Sum of corrected areas: |             |              |            |          |                | 250295927    |                |               |

Aliphatic EPH 093024.M Tue Oct 01 09:37:42 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
 Data File : FG014357.D  
 Signal(s) : FID1A.ch  
 Acq On : 30 Sep 2024 18:47  
 Operator : YP\AJ  
 Sample : 50 PPM ALIPHATIC HC STD2  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e  
 Quant Time: Oct 01 09:19:51 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 01 09:18:37 2024  
 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)    | 11.812 | 6501644    | 46.760 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 93.52%       |
| 12) S 1-chlorooctadecane (S... | 13.258 | 4814883    | 48.201 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 96.40%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.191  | 5913573    | 46.863 ug/ml |
| 2) T n-Decane (C10)            | 4.441  | 6018805    | 46.966 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.140  | 6205159    | 50.105 ug/ml |
| 4) T n-Dodecane (C12)          | 6.613  | 6005671    | 47.529 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.239  | 5817542    | 55.227 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.444  | 5949048    | 50.017 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.056 | 6079228    | 47.872 ug/ml |
| 8) T n-Octadecane (C18)        | 11.502 | 6154948    | 47.183 ug/ml |
| 10) T n-Eicosane (C20)         | 12.815 | 5873521    | 46.822 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.428 | 5756620    | 46.797 ug/ml |
| 13) T n-Docosane (C22)         | 14.017 | 5741290    | 47.136 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.121 | 5773044    | 47.339 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.146 | 5653902    | 47.407 ug/ml |
| 16) T n-Octacosane (C28)       | 17.098 | 5554670    | 47.134 ug/ml |
| 17) T n-Tricontane (C30)       | 17.988 | 5582938    | 45.913 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.822 | 5335144    | 45.346 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.608 | 4651446    | 45.904 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.349 | 4293184    | 49.443 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.078 | 3655241    | 48.031 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.966 | 3234442    | 49.216 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

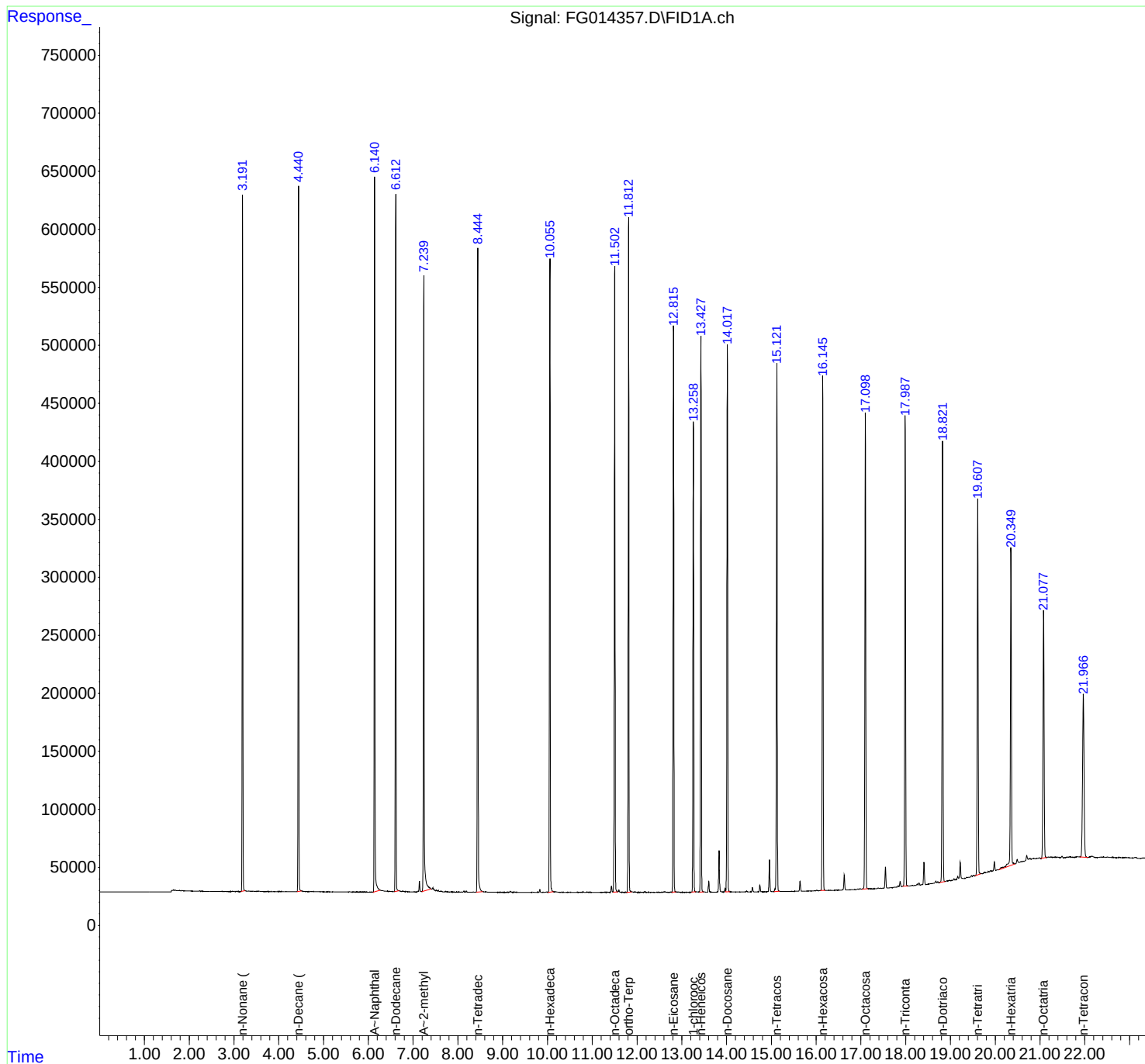
(m)=manual int.

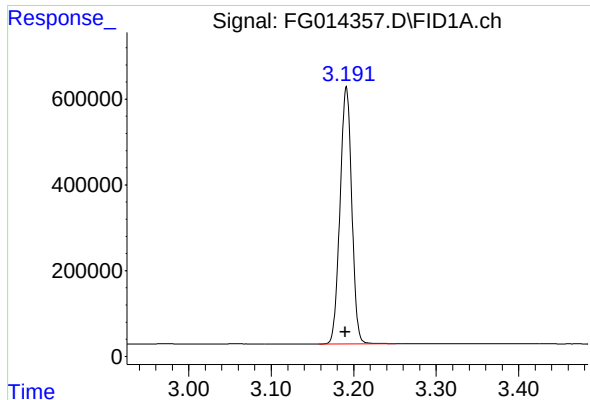
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014357.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 18:47  
Operator : YP\AJ  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2

Integration File: autoint1.e  
Quant Time: Oct 01 09:19:51 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 01 09:18:37 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

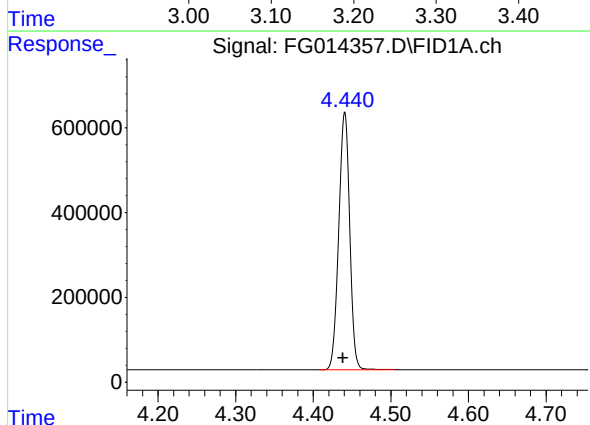




#1 n-Nonane (C9)

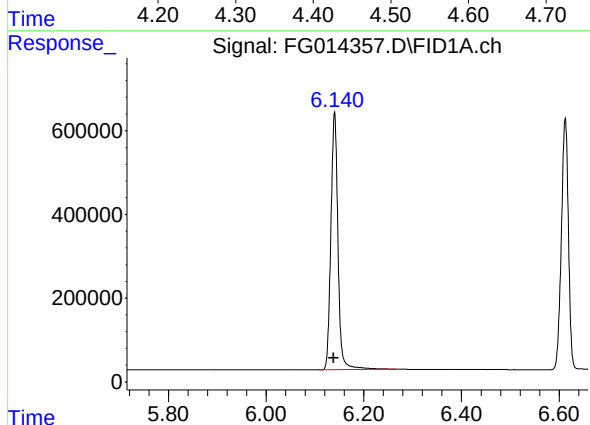
R.T.: 3.191 min  
Delta R.T.: 0.001 min  
Response: 5913573  
Conc: 46.86 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



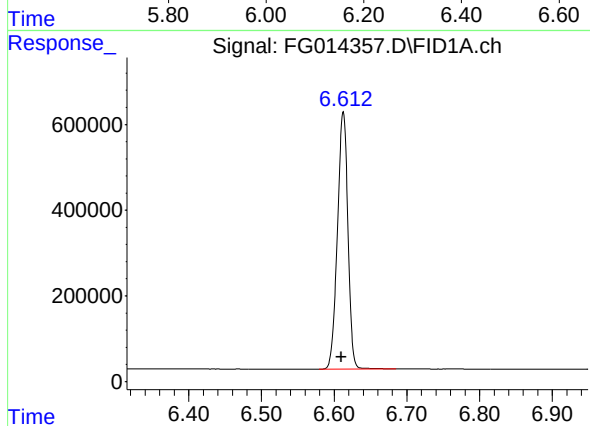
#2 n-Decane (C10)

R.T.: 4.441 min  
Delta R.T.: 0.002 min  
Response: 6018805  
Conc: 46.97 ug/ml



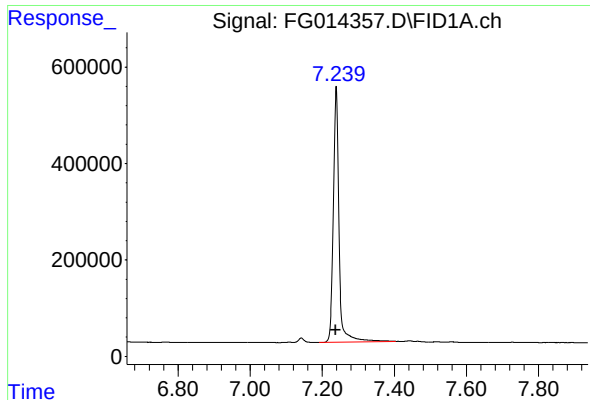
#3 A~Naphthalene (C11.7)

R.T.: 6.140 min  
Delta R.T.: 0.002 min  
Response: 6205159  
Conc: 50.10 ug/ml



#4 n-Dodecane (C12)

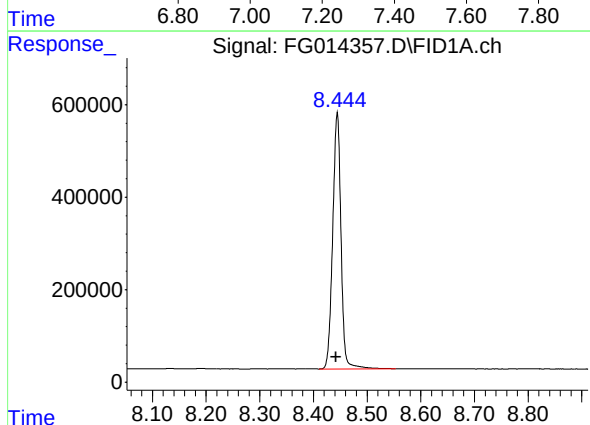
R.T.: 6.613 min  
Delta R.T.: 0.002 min  
Response: 6005671  
Conc: 47.53 ug/ml



#5 A~2-methylnaphthalene (C12.89)

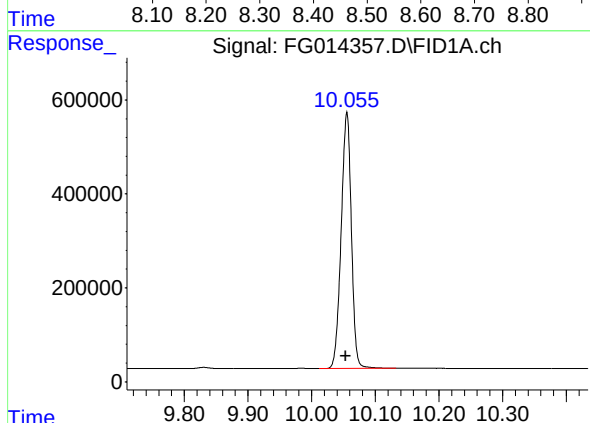
R.T.: 7.239 min  
Delta R.T.: 0.002 min  
Response: 5817542  
Conc: 55.23 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



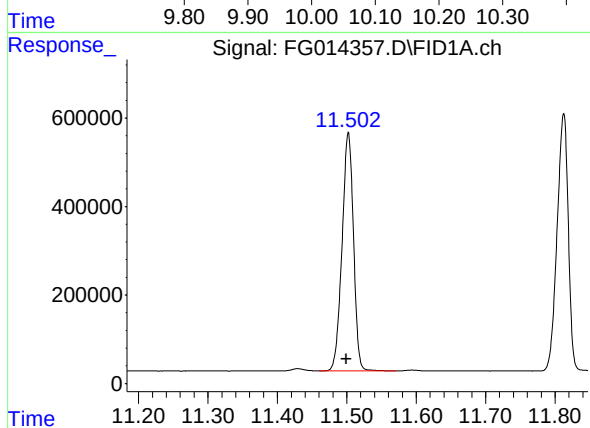
#6 n-Tetradecane (C14)

R.T.: 8.444 min  
Delta R.T.: 0.002 min  
Response: 5949048  
Conc: 50.02 ug/ml



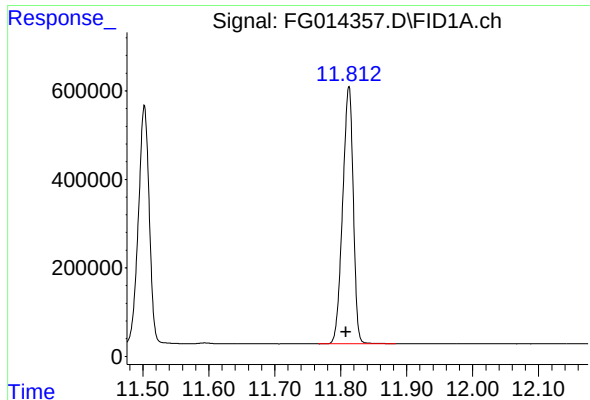
#7 n-Hexadecane (C16)

R.T.: 10.056 min  
Delta R.T.: 0.002 min  
Response: 6079228  
Conc: 47.87 ug/ml



#8 n-Octadecane (C18)

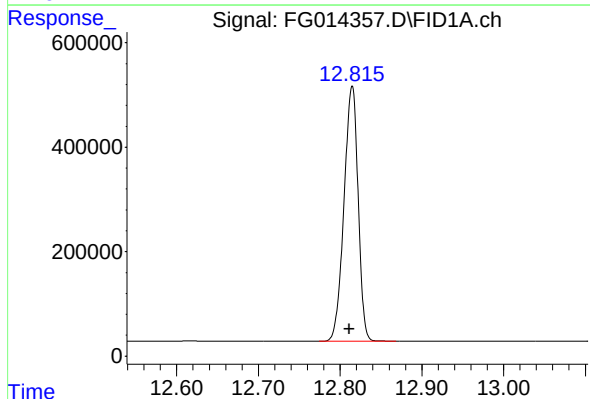
R.T.: 11.502 min  
Delta R.T.: 0.003 min  
Response: 6154948  
Conc: 47.18 ug/ml



#9 ortho-Terphenyl (SURR)

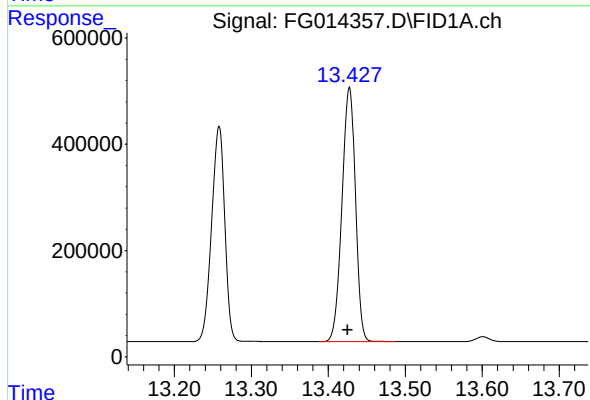
R.T.: 11.812 min  
Delta R.T.: 0.004 min  
Response: 6501644  
Conc: 46.76 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



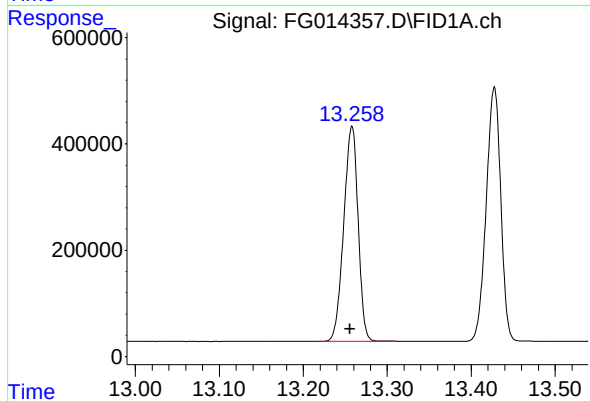
#10 n-Eicosane (C20)

R.T.: 12.815 min  
Delta R.T.: 0.004 min  
Response: 5873521  
Conc: 46.82 ug/ml



#11 n-Heneicosane (C21)

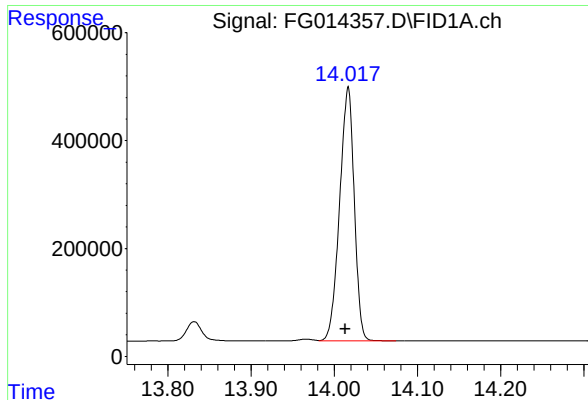
R.T.: 13.428 min  
Delta R.T.: 0.002 min  
Response: 5756620  
Conc: 46.80 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.258 min  
Delta R.T.: 0.002 min  
Response: 4814883  
Conc: 48.20 ug/ml

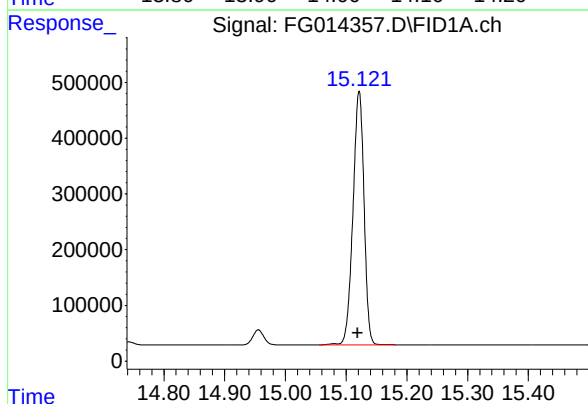




#13 n-Docosane (C22)

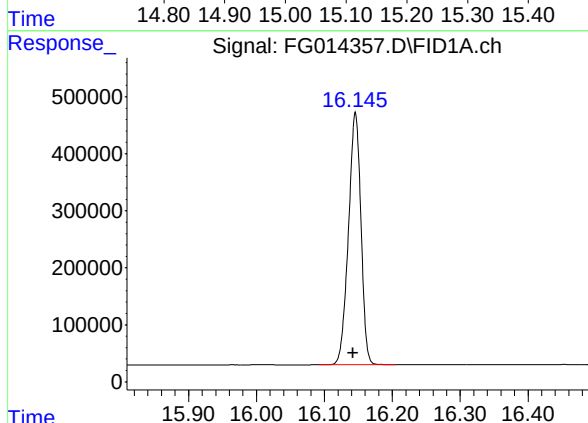
R.T.: 14.017 min  
Delta R.T.: 0.003 min  
Response: 5741290  
Conc: 47.14 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



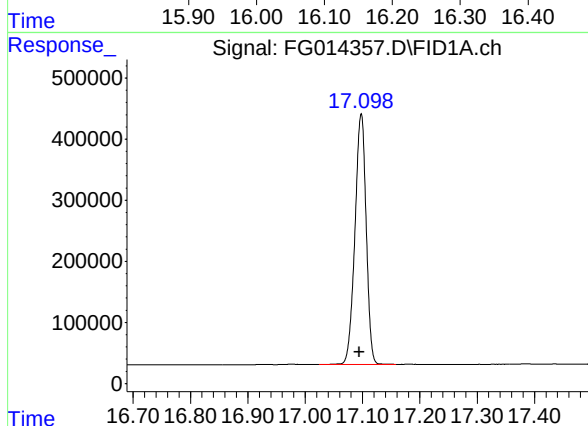
#14 n-Tetracosane (C24)

R.T.: 15.121 min  
Delta R.T.: 0.003 min  
Response: 5773044  
Conc: 47.34 ug/ml



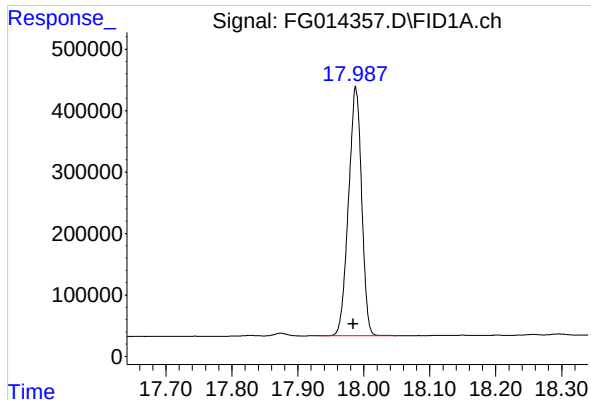
#15 n-Hexacosane (C26)

R.T.: 16.146 min  
Delta R.T.: 0.003 min  
Response: 5653902  
Conc: 47.41 ug/ml



#16 n-Octacosane (C28)

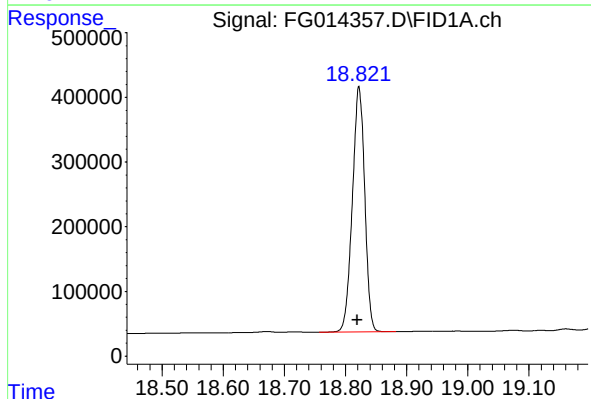
R.T.: 17.098 min  
Delta R.T.: 0.003 min  
Response: 5554670  
Conc: 47.13 ug/ml



#17 n-Tricontane (C30)

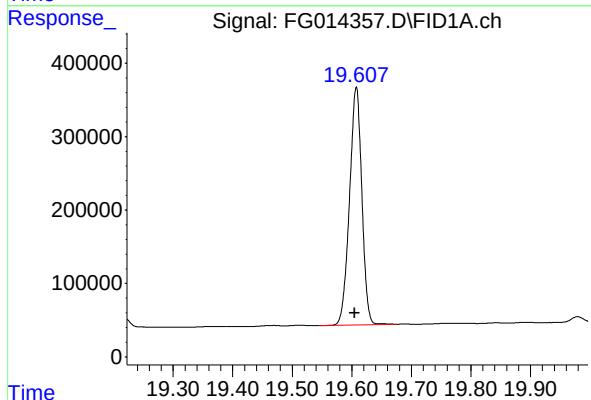
R.T.: 17.988 min  
Delta R.T.: 0.003 min  
Response: 5582938  
Conc: 45.91 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



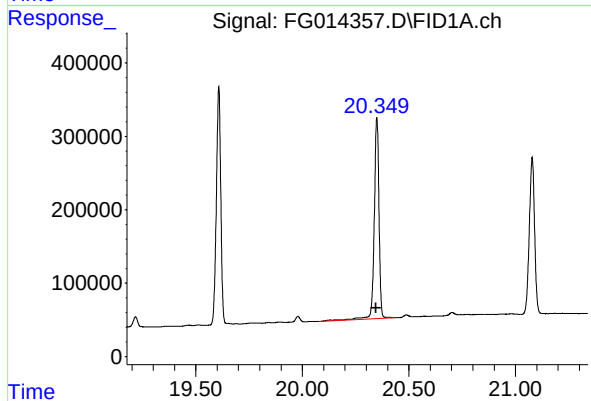
#18 n-Dotriacontane (C32)

R.T.: 18.822 min  
Delta R.T.: 0.003 min  
Response: 5335144  
Conc: 45.35 ug/ml



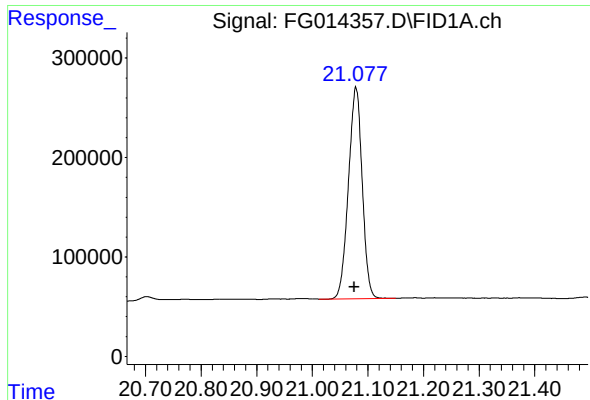
#19 n-Tetatriacontane (C34)

R.T.: 19.608 min  
Delta R.T.: 0.003 min  
Response: 4651446  
Conc: 45.90 ug/ml



#20 n-Hexatriacontane (C36)

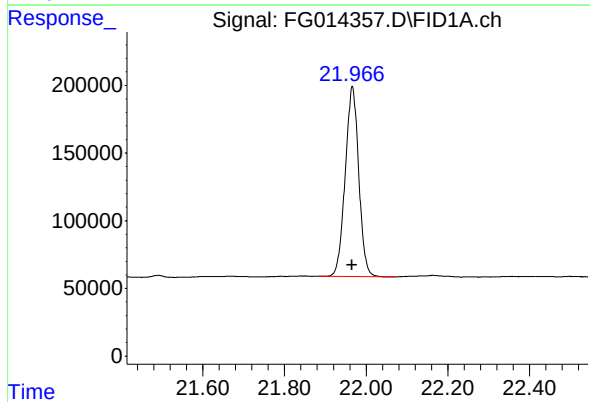
R.T.: 20.349 min  
Delta R.T.: 0.003 min  
Response: 4293184  
Conc: 49.44 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.078 min  
Delta R.T.: 0.003 min  
Response: 3655241  
Conc: 48.03 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
50 PPM ALIPHATIC HC STD2



#22 n-Tetracontane (C40)

R.T.: 21.966 min  
Delta R.T.: 0.000 min  
Response: 3234442  
Conc: 49.22 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014357.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 18:47  
Sample : 50 PPM ALIPHATIC HC STD2  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.191       | 3.158        | 3.251      | BB       | 599675         | 5913573      | 90.96%         | 4.905%        |
| 2                       | 4.441       | 4.408        | 4.507      | BB       | 608510         | 6018805      | 92.57%         | 4.992%        |
| 3                       | 6.140       | 6.108        | 6.266      | BB       | 615274         | 6205159      | 95.44%         | 5.147%        |
| 4                       | 6.613       | 6.579        | 6.685      | BB       | 600899         | 6005671      | 92.37%         | 4.981%        |
| 5                       | 7.239       | 7.191        | 7.404      | BB       | 531539         | 5817542      | 89.48%         | 4.825%        |
| 6                       | 8.444       | 8.410        | 8.553      | BB       | 554434         | 5949048      | 91.50%         | 4.934%        |
| 7                       | 10.056      | 10.012       | 10.133     | BB       | 545494         | 6079228      | 93.50%         | 5.042%        |
| 8                       | 11.502      | 11.460       | 11.571     | VV       | 539664         | 6154948      | 94.67%         | 5.105%        |
| 9                       | 11.812      | 11.767       | 11.883     | BB       | 581416         | 6501644      | 100.00%        | 5.393%        |
| 10                      | 12.815      | 12.774       | 12.868     | BB       | 488709         | 5873521      | 90.34%         | 4.872%        |
| 11                      | 13.258      | 13.218       | 13.310     | BB       | 405093         | 4814883      | 74.06%         | 3.994%        |
| 12                      | 13.428      | 13.388       | 13.488     | BB       | 478917         | 5756620      | 88.54%         | 4.775%        |
| 13                      | 14.017      | 13.982       | 14.074     | VB       | 471048         | 5741290      | 88.31%         | 4.762%        |
| 14                      | 15.121      | 15.055       | 15.182     | BB       | 455254         | 5773044      | 88.79%         | 4.788%        |
| 15                      | 16.146      | 16.092       | 16.205     | BB       | 443175         | 5653902      | 86.96%         | 4.689%        |
| 16                      | 17.098      | 17.024       | 17.158     | BB       | 410319         | 5554670      | 85.43%         | 4.607%        |
| 17                      | 17.988      | 17.932       | 18.048     | BB       | 404313         | 5582938      | 85.87%         | 4.631%        |
| 18                      | 18.822      | 18.757       | 18.883     | BB       | 380000         | 5335144      | 82.06%         | 4.425%        |
| 19                      | 19.608      | 19.545       | 19.674     | BB       | 324167         | 4651446      | 71.54%         | 3.858%        |
| 20                      | 20.349      | 20.078       | 20.439     | BB       | 273882         | 4293184      | 66.03%         | 3.561%        |
| 21                      | 21.078      | 21.012       | 21.150     | BB       | 212765         | 3655241      | 56.22%         | 3.032%        |
| 22                      | 21.966      | 21.885       | 22.073     | BV       | 140667         | 3234442      | 49.75%         | 2.683%        |
| Sum of corrected areas: |             |              |            |          |                | 120565942    |                |               |

Aliphatic EPH 093024.M Tue Oct 01 09:38:35 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
 Data File : FG014358.D  
 Signal(s) : FID1A.ch  
 Acq On : 30 Sep 2024 19:17  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD3  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e  
 Quant Time: Oct 01 09:12:03 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 01 09:11:42 2024  
 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)    | 11.808 | 2728931    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| 12) S 1-chlorooctadecane (S... | 13.256 | 1980372    | 20.000 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 40.00%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.190  | 2465356    | 20.000 ug/ml |
| 2) T n-Decane (C10)            | 4.439  | 2510052    | 20.000 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.139  | 2491943    | 20.000 ug/ml |
| 4) T n-Dodecane (C12)          | 6.610  | 2491169    | 20.000 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.237  | 2202245    | 20.000 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.442  | 2445002    | 20.000 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.053 | 2527662    | 20.000 ug/ml |
| 8) T n-Octadecane (C18)        | 11.499 | 2583144    | 20.000 ug/ml |
| 10) T n-Eicosane (C20)         | 12.811 | 2460793    | 20.000 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.425 | 2414254    | 20.000 ug/ml |
| 13) T n-Docosane (C22)         | 14.013 | 2382876    | 20.000 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.119 | 2354924    | 20.000 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.142 | 2299221    | 20.000 ug/ml |
| 16) T n-Octacosane (C28)       | 17.094 | 2248012    | 20.000 ug/ml |
| 17) T n-Tricontane (C30)       | 17.984 | 2301746    | 20.000 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.819 | 2227538    | 20.000 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.605 | 1957512    | 20.000 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.346 | 1755941    | 20.000 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.075 | 1528172    | 20.000 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.965 | 1362003    | 20.000 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

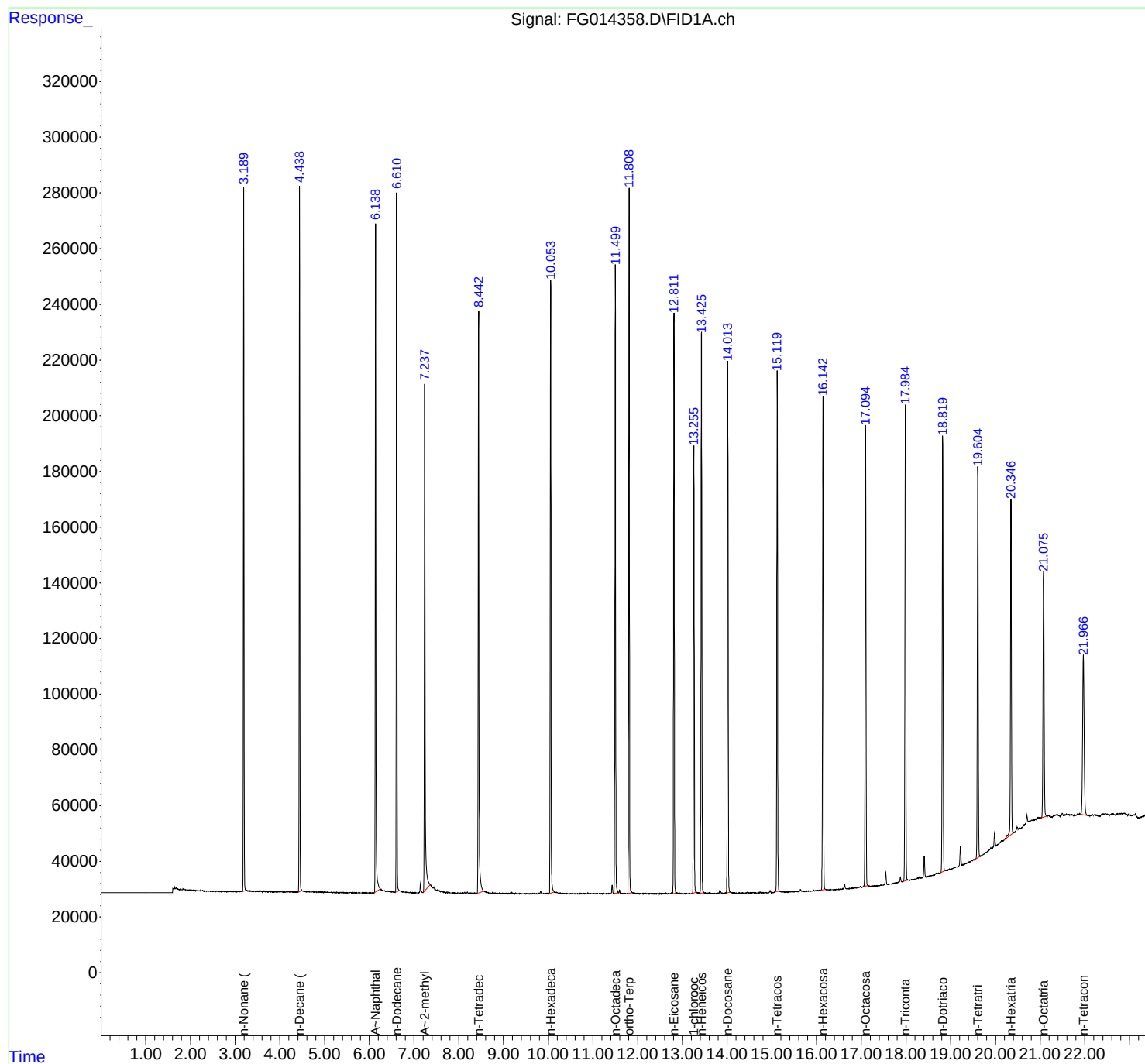
(m)=manual int.

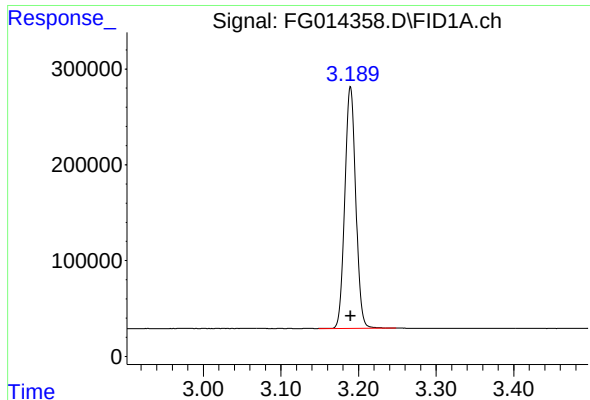
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014358.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 19:17  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD3  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3

Integration File: autoint1.e  
Quant Time: Oct 01 09:12:03 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 01 09:11:42 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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

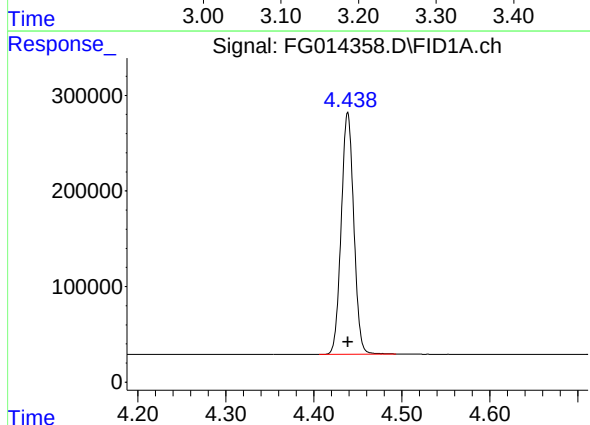




#1 n-Nonane (C9)

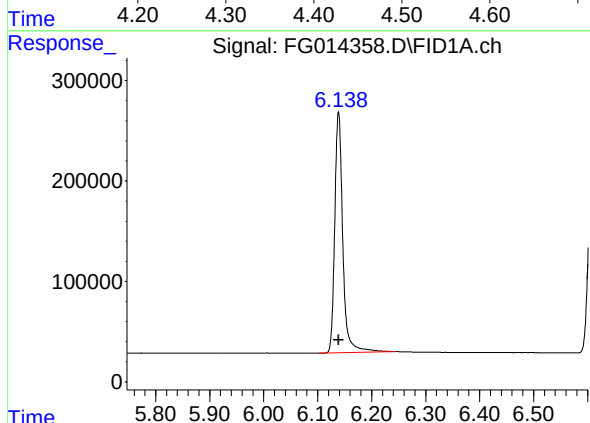
R.T.: 3.190 min  
Delta R.T.: 0.000 min  
Response: 2465356  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



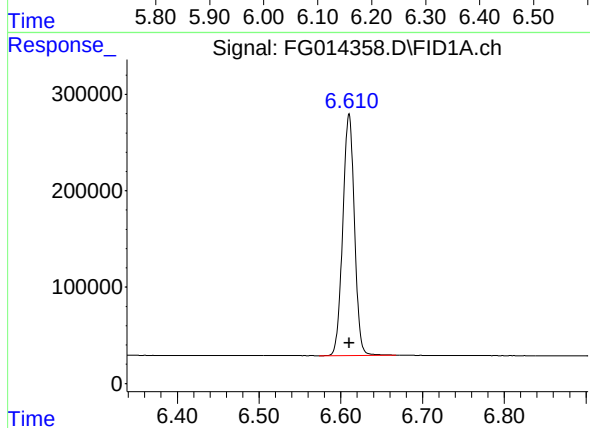
#2 n-Decane (C10)

R.T.: 4.439 min  
Delta R.T.: 0.000 min  
Response: 2510052  
Conc: 20.00 ug/ml



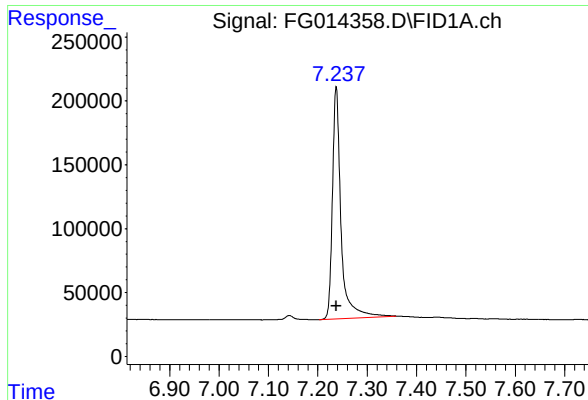
#3 A~Naphthalene (C11.7)

R.T.: 6.139 min  
Delta R.T.: 0.000 min  
Response: 2491943  
Conc: 20.00 ug/ml



#4 n-Dodecane (C12)

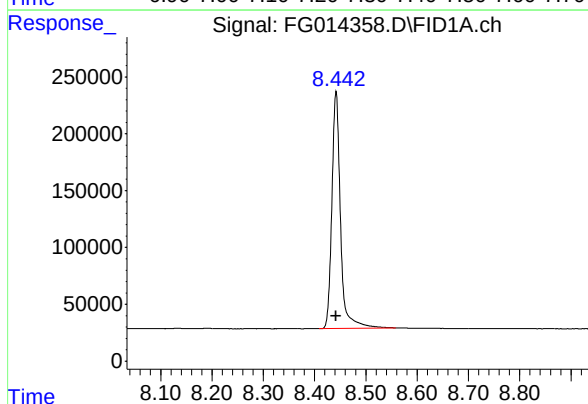
R.T.: 6.610 min  
Delta R.T.: 0.000 min  
Response: 2491169  
Conc: 20.00 ug/ml



#5 A~2-methylnaphthalene (C12.89)

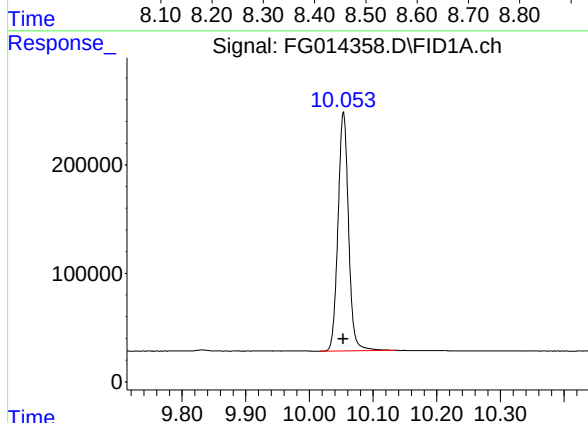
R.T.: 7.237 min  
Delta R.T.: 0.000 min  
Response: 2202245  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



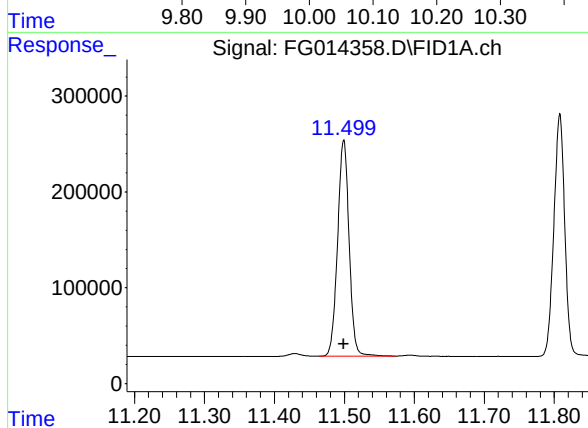
#6 n-Tetradecane (C14)

R.T.: 8.442 min  
Delta R.T.: 0.000 min  
Response: 2445002  
Conc: 20.00 ug/ml



#7 n-Hexadecane (C16)

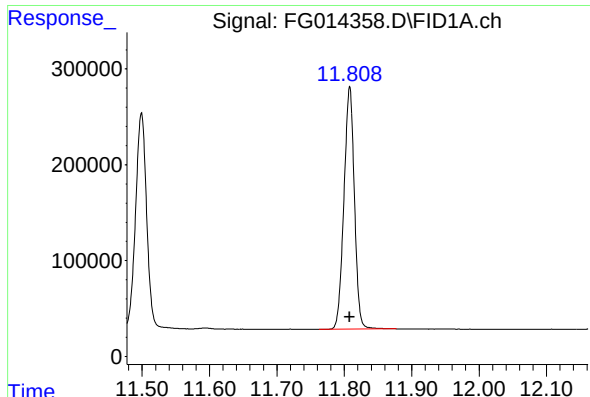
R.T.: 10.053 min  
Delta R.T.: 0.000 min  
Response: 2527662  
Conc: 20.00 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.499 min  
Delta R.T.: 0.000 min  
Response: 2583144  
Conc: 20.00 ug/ml

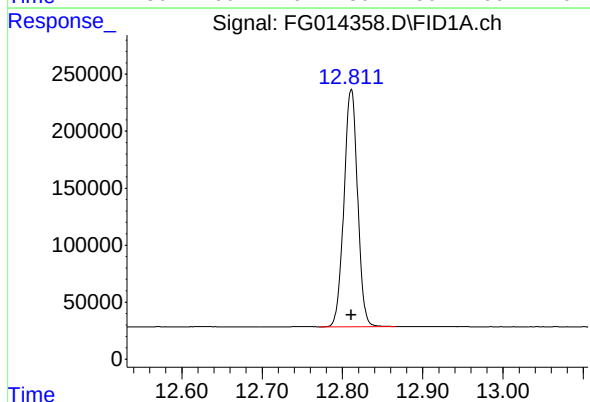




#9 ortho-Terphenyl (SURR)

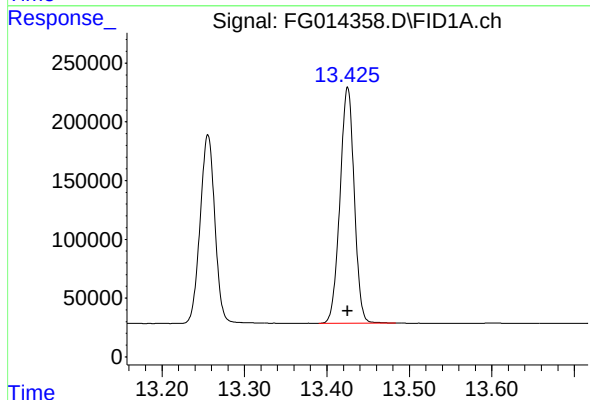
R.T.: 11.808 min  
Delta R.T.: 0.000 min  
Response: 2728931  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



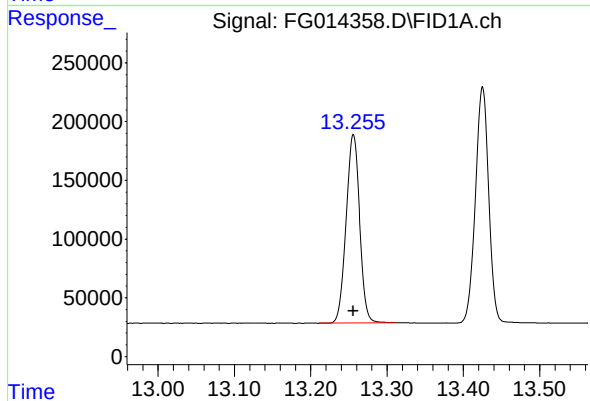
#10 n-Eicosane (C20)

R.T.: 12.811 min  
Delta R.T.: 0.000 min  
Response: 2460793  
Conc: 20.00 ug/ml



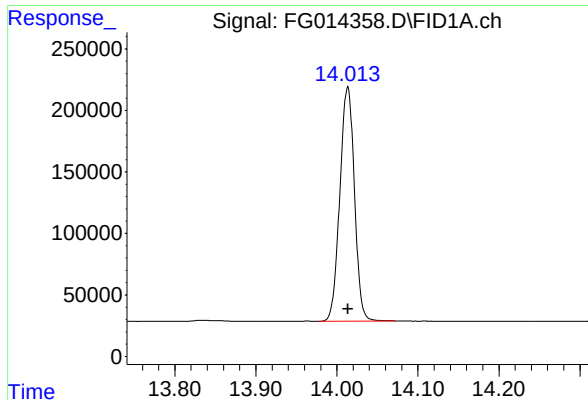
#11 n-Heneicosane (C21)

R.T.: 13.425 min  
Delta R.T.: 0.000 min  
Response: 2414254  
Conc: 20.00 ug/ml



#12 1-chlorooctadecane (SURR)

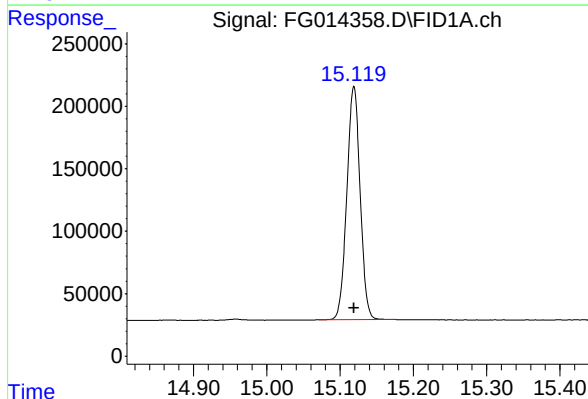
R.T.: 13.256 min  
Delta R.T.: 0.000 min  
Response: 1980372  
Conc: 20.00 ug/ml



#13 n-Docosane (C22)

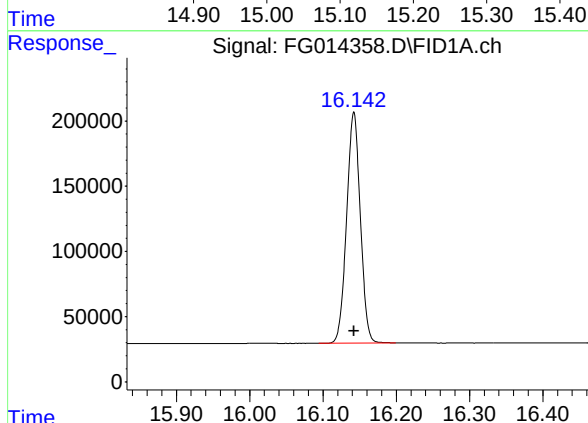
R.T.: 14.013 min  
Delta R.T.: 0.000 min  
Response: 2382876  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



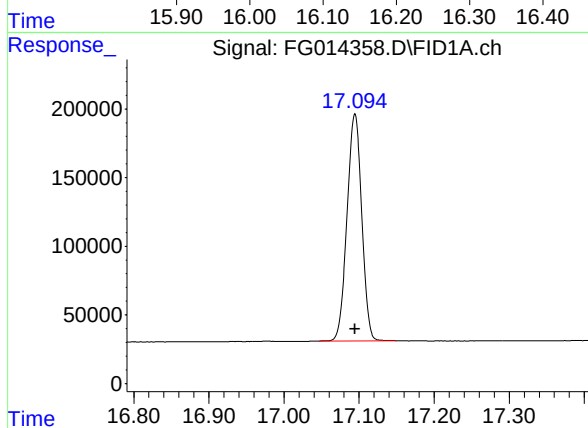
#14 n-Tetracosane (C24)

R.T.: 15.119 min  
Delta R.T.: 0.000 min  
Response: 2354924  
Conc: 20.00 ug/ml



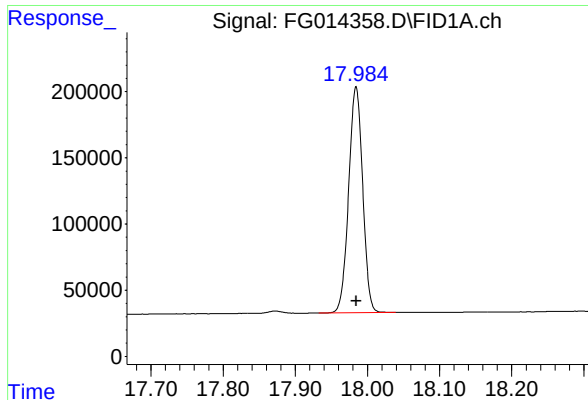
#15 n-Hexacosane (C26)

R.T.: 16.142 min  
Delta R.T.: 0.000 min  
Response: 2299221  
Conc: 20.00 ug/ml



#16 n-Octacosane (C28)

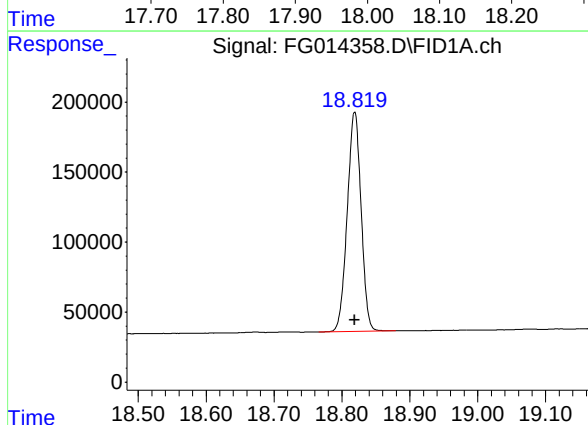
R.T.: 17.094 min  
Delta R.T.: 0.000 min  
Response: 2248012  
Conc: 20.00 ug/ml



#17 n-Tricontane (C30)

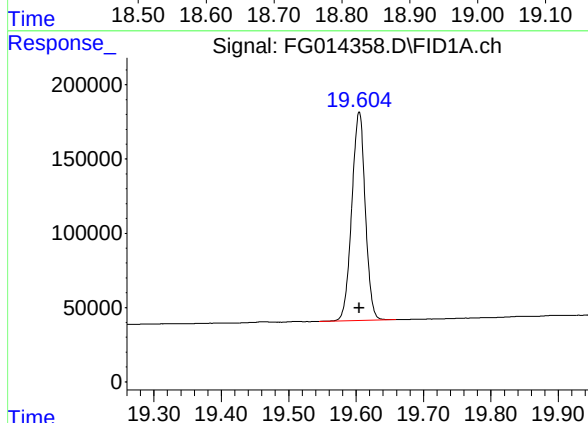
R.T.: 17.984 min  
Delta R.T.: 0.000 min  
Response: 2301746  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



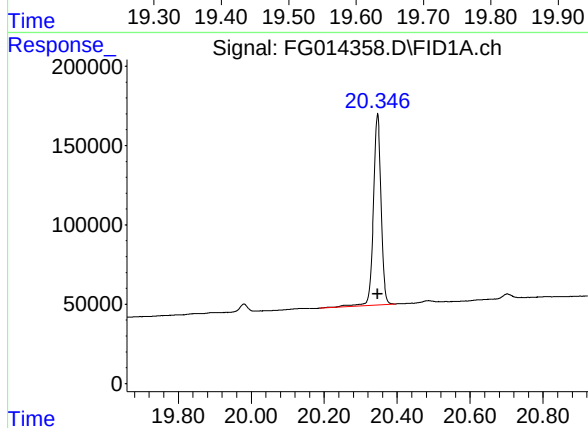
#18 n-Dotriacontane (C32)

R.T.: 18.819 min  
Delta R.T.: 0.000 min  
Response: 2227538  
Conc: 20.00 ug/ml



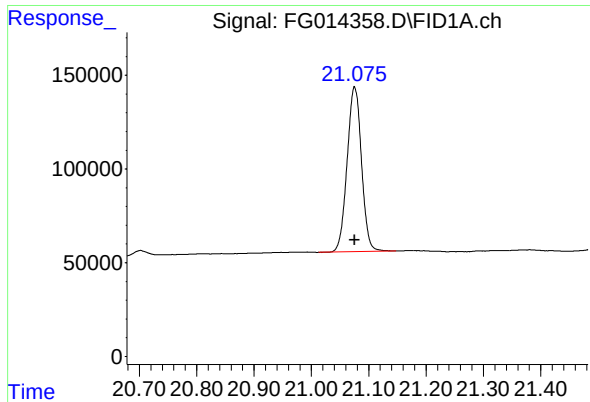
#19 n-Tetatriacontane (C34)

R.T.: 19.605 min  
Delta R.T.: 0.000 min  
Response: 1957512  
Conc: 20.00 ug/ml



#20 n-Hexatriacontane (C36)

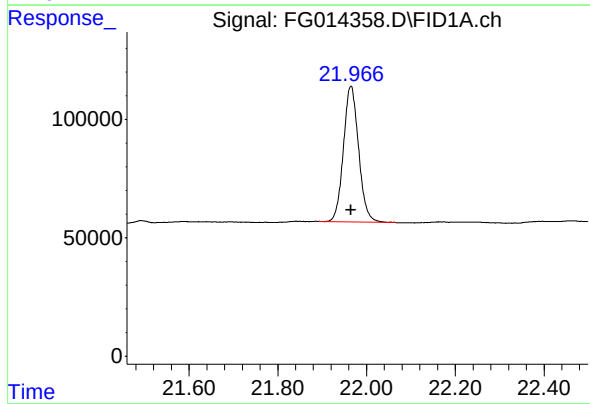
R.T.: 20.346 min  
Delta R.T.: 0.000 min  
Response: 1755941  
Conc: 20.00 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.075 min  
Delta R.T.: 0.000 min  
Response: 1528172  
Conc: 20.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD3



#22 n-Tetracontane (C40)

R.T.: 21.965 min  
Delta R.T.: 0.000 min  
Response: 1362003  
Conc: 20.00 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014358.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 19:17  
Sample : 20 PPM ALIPHATIC HC STD3  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.190       | 3.149        | 3.248      | BB       | 252338         | 2465356      | 90.34%         | 4.959%        |
| 2                       | 4.439       | 4.406        | 4.493      | BB       | 253118         | 2510052      | 91.98%         | 5.048%        |
| 3                       | 6.139       | 6.103        | 6.245      | BB       | 239668         | 2491943      | 91.32%         | 5.012%        |
| 4                       | 6.610       | 6.573        | 6.668      | BB       | 250801         | 2491169      | 91.29%         | 5.011%        |
| 5                       | 7.237       | 7.203        | 7.358      | BB       | 182029         | 2202245      | 80.70%         | 4.429%        |
| 6                       | 8.442       | 8.408        | 8.558      | BB       | 208539         | 2445002      | 89.60%         | 4.918%        |
| 7                       | 10.053      | 10.015       | 10.136     | BB       | 220300         | 2527662      | 92.62%         | 5.084%        |
| 8                       | 11.499      | 11.463       | 11.573     | BV       | 225707         | 2583144      | 94.66%         | 5.196%        |
| 9                       | 11.808      | 11.763       | 11.877     | BB       | 253303         | 2728931      | 100.00%        | 5.489%        |
| 10                      | 12.811      | 12.771       | 12.867     | BB       | 208227         | 2460793      | 90.17%         | 4.949%        |
| 11                      | 13.256      | 13.211       | 13.312     | BB       | 160483         | 1980372      | 72.57%         | 3.983%        |
| 12                      | 13.425      | 13.390       | 13.483     | BB       | 201206         | 2414254      | 88.47%         | 4.856%        |
| 13                      | 14.013      | 13.978       | 14.073     | BB       | 190600         | 2382876      | 87.32%         | 4.793%        |
| 14                      | 15.119      | 15.071       | 15.176     | BB       | 187087         | 2354924      | 86.29%         | 4.736%        |
| 15                      | 16.142      | 16.094       | 16.199     | BB       | 177333         | 2299221      | 84.25%         | 4.624%        |
| 16                      | 17.094      | 17.047       | 17.149     | BB       | 165409         | 2248012      | 82.38%         | 4.521%        |
| 17                      | 17.984      | 17.933       | 18.039     | BB       | 170914         | 2301746      | 84.35%         | 4.630%        |
| 18                      | 18.819      | 18.766       | 18.879     | BB       | 156632         | 2227538      | 81.63%         | 4.480%        |
| 19                      | 19.605      | 19.545       | 19.659     | BB       | 140417         | 1957512      | 71.73%         | 3.937%        |
| 20                      | 20.346      | 20.186       | 20.397     | BB       | 120745         | 1755941      | 64.35%         | 3.532%        |
| 21                      | 21.075      | 21.013       | 21.148     | BB       | 88208          | 1528172      | 56.00%         | 3.074%        |
| 22                      | 21.965      | 21.893       | 22.066     | BB       | 57306          | 1362003      | 49.91%         | 2.739%        |
| Sum of corrected areas: |             |              |            |          |                |              | 49718868       |               |

Aliphatic EPH 093024.M Tue Oct 01 09:39:04 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
 Data File : FG014359.D  
 Signal(s) : FID1A.ch  
 Acq On : 30 Sep 2024 19:46  
 Operator : YP\AJ  
 Sample : 10 PPM ALIPHATIC HC STD4  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 10 PPM ALIPHATIC HC STD4

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
 Supervised By :Ankita Jodhani 10/02/2024

Integration File: autoint1.e  
 Quant Time: Oct 01 09:25:16 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 01 09:21:52 2024  
 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)    | 11.807 | 1395362    | 10.201 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 20.40%        |
| 12) S 1-chlorooctadecane (S... | 13.255 | 994730     | 10.048 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 20.10%        |
| Target Compounds               |        |            |               |
| 1) T n-Nonane (C9)             | 3.190  | 1267207    | 10.202 ug/ml  |
| 2) T n-Decane (C10)            | 4.438  | 1288563    | 10.210 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.139  | 1213008    | 9.790 ug/ml   |
| 4) T n-Dodecane (C12)          | 6.609  | 1261707    | 10.110 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.238  | 1110597    | 10.275 ug/mlm |
| 6) T n-Tetradecane (C14)       | 8.442  | 1194752    | 10.044 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.053 | 1269447    | 10.104 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.498 | 1316280    | 10.235 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.810 | 1259624    | 10.204 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.424 | 1231820    | 10.177 ug/ml  |
| 13) T n-Docosane (C22)         | 14.012 | 1217601    | 10.142 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.117 | 1208268    | 10.041 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.141 | 1185834    | 10.074 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.094 | 1167742    | 10.053 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.984 | 1209055    | 10.150 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.818 | 1175291    | 10.227 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.605 | 1026611    | 10.343 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.345 | 880585     | 10.170 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.073 | 784933     | 10.417 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.967 | 691641     | 10.566 ug/ml  |
| -----                          |        |            |               |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014359.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 19:46  
Operator : YP\AJ  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

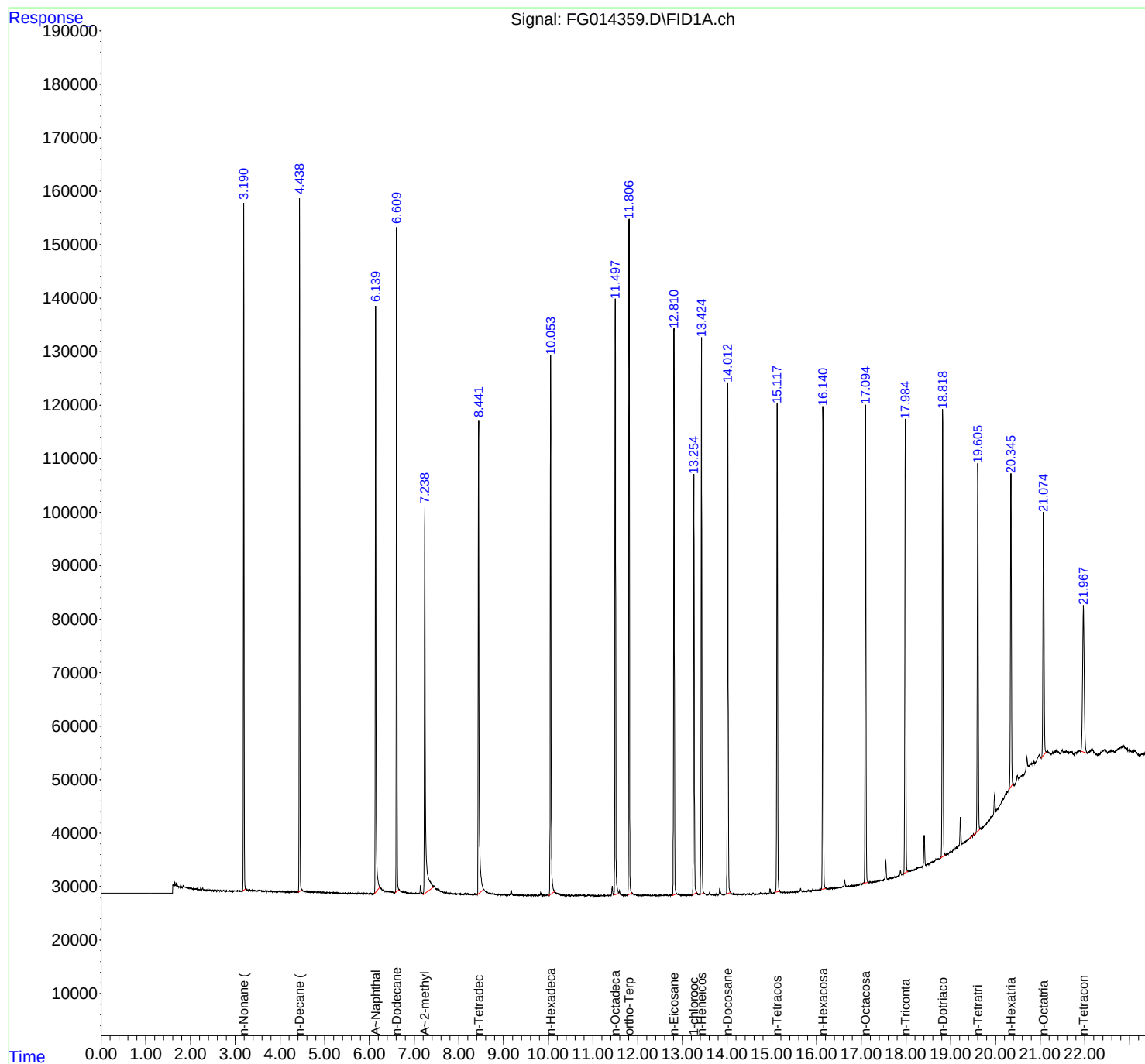
Instrument :  
FID\_G  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

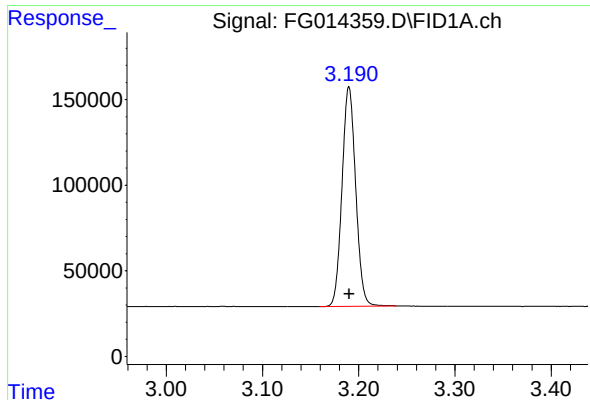
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024

Integration File: autoint1.e  
Quant Time: Oct 01 09:25:16 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 01 09:21:52 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





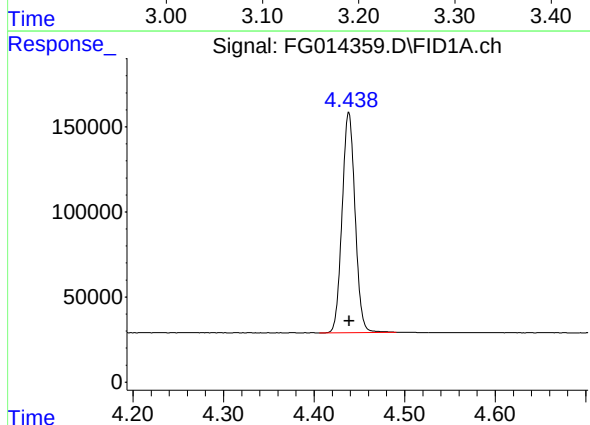
#1 n-Nonane (C9)

R.T.: 3.190 min  
Delta R.T.: 0.000 min  
Response: 1267207  
Conc: 10.20 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

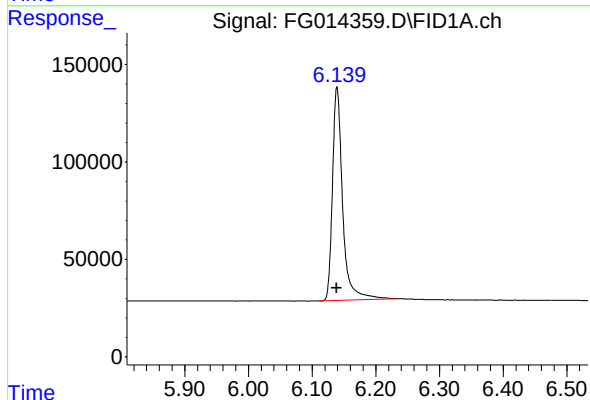
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



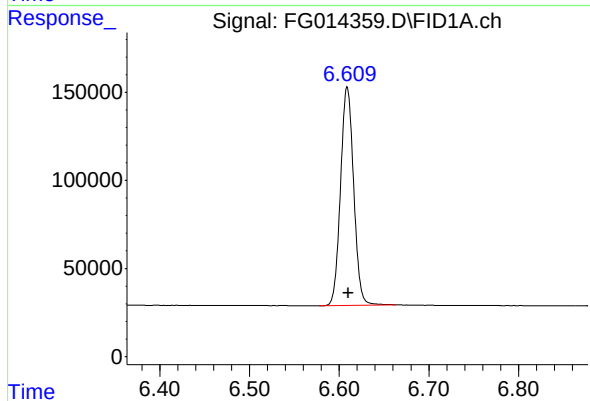
#2 n-Decane (C10)

R.T.: 4.438 min  
Delta R.T.: 0.000 min  
Response: 1288563  
Conc: 10.21 ug/ml



#3 A~Naphthalene (C11.7)

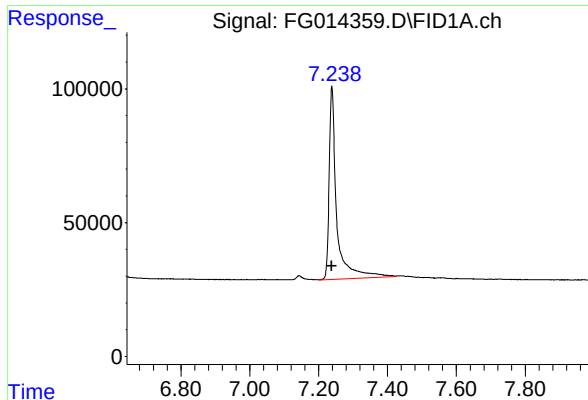
R.T.: 6.139 min  
Delta R.T.: 0.000 min  
Response: 1213008  
Conc: 9.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.609 min  
Delta R.T.: -0.001 min  
Response: 1261707  
Conc: 10.11 ug/ml





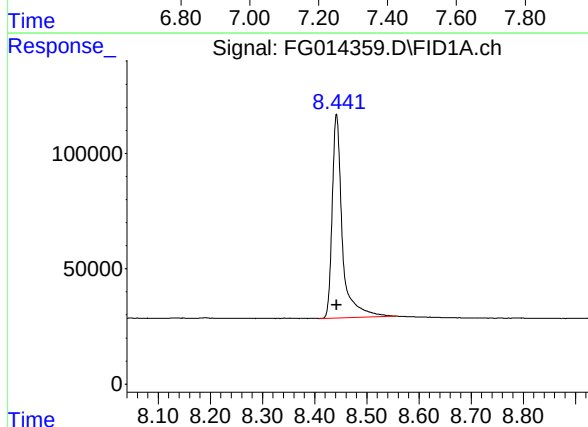
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.238 min  
Delta R.T.: 0.000 min  
Response: 1110597  
Conc: 10.27 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

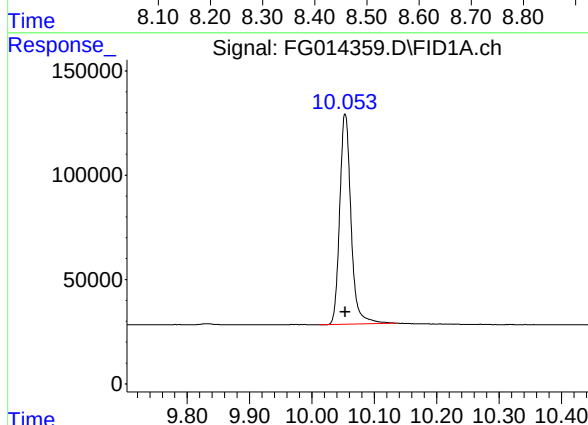
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



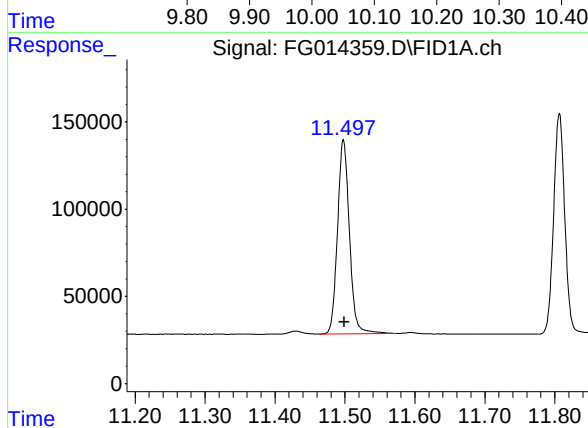
#6 n-Tetradecane (C14)

R.T.: 8.442 min  
Delta R.T.: 0.000 min  
Response: 1194752  
Conc: 10.04 ug/ml



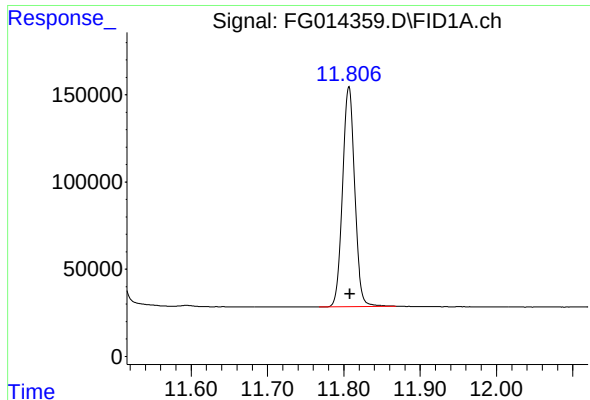
#7 n-Hexadecane (C16)

R.T.: 10.053 min  
Delta R.T.: 0.000 min  
Response: 1269447  
Conc: 10.10 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.498 min  
Delta R.T.: -0.001 min  
Response: 1316280  
Conc: 10.23 ug/ml



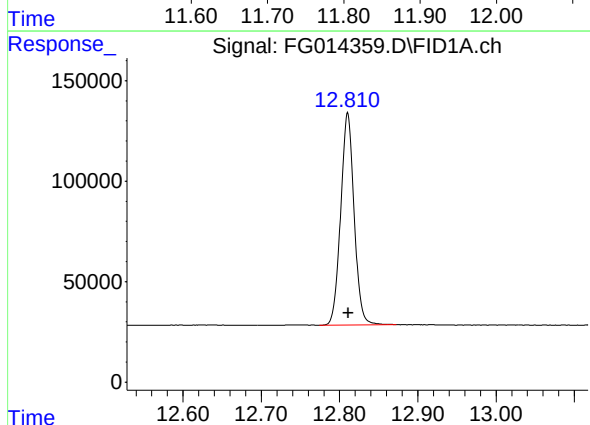
#9 ortho-Terphenyl (SURR)

R.T.: 11.807 min  
Delta R.T.: -0.001 min  
Response: 1395362  
Conc: 10.20 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

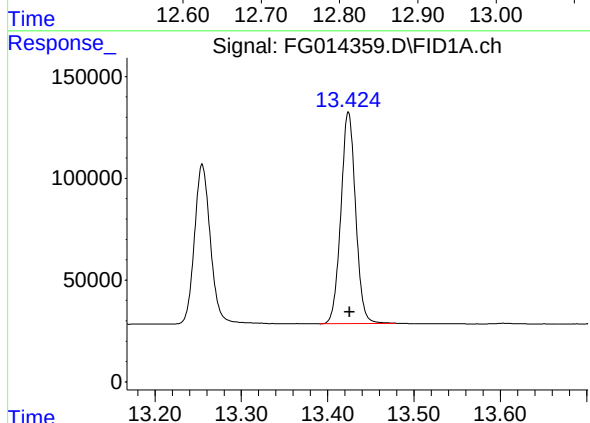
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



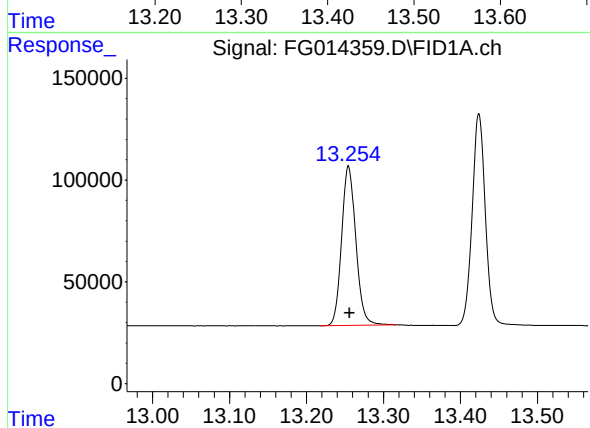
#10 n-Eicosane (C20)

R.T.: 12.810 min  
Delta R.T.: 0.000 min  
Response: 1259624  
Conc: 10.20 ug/ml



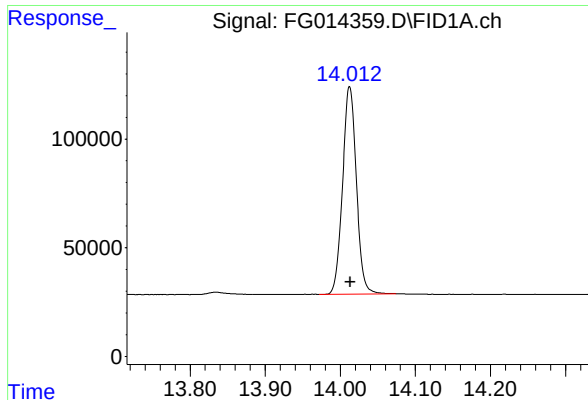
#11 n-Heneicosane (C21)

R.T.: 13.424 min  
Delta R.T.: -0.001 min  
Response: 1231820  
Conc: 10.18 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.255 min  
Delta R.T.: -0.001 min  
Response: 994730  
Conc: 10.05 ug/ml



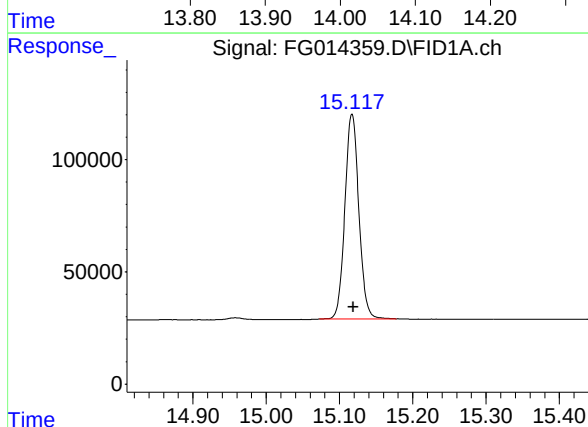
#13 n-Docosane (C22)

R.T.: 14.012 min  
Delta R.T.: 0.000 min  
Response: 1217601  
Conc: 10.14 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

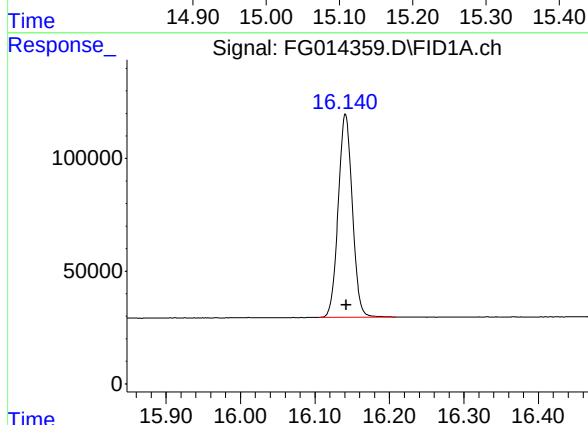
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



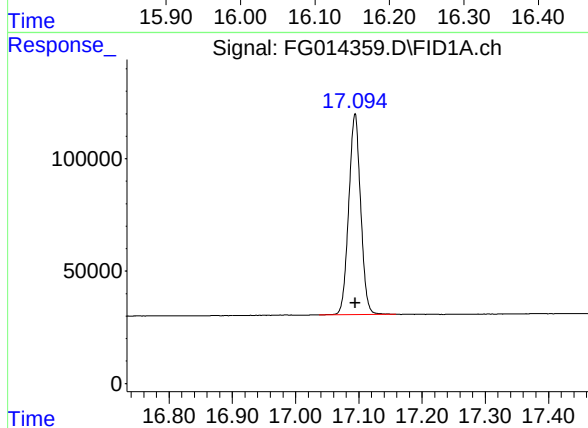
#14 n-Tetracosane (C24)

R.T.: 15.117 min  
Delta R.T.: -0.002 min  
Response: 1208268  
Conc: 10.04 ug/ml



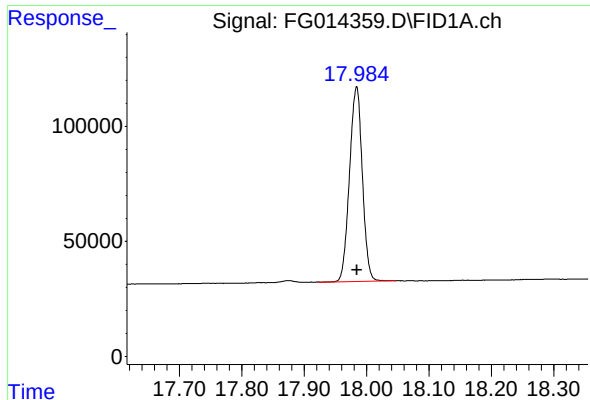
#15 n-Hexacosane (C26)

R.T.: 16.141 min  
Delta R.T.: -0.001 min  
Response: 1185834  
Conc: 10.07 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.094 min  
Delta R.T.: 0.000 min  
Response: 1167742  
Conc: 10.05 ug/ml



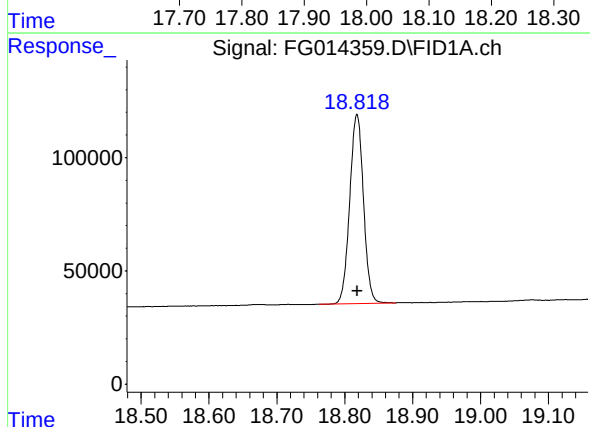
#17 n-Tricontane (C30)

R.T.: 17.984 min  
Delta R.T.: 0.000 min  
Response: 1209055  
Conc: 10.15 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

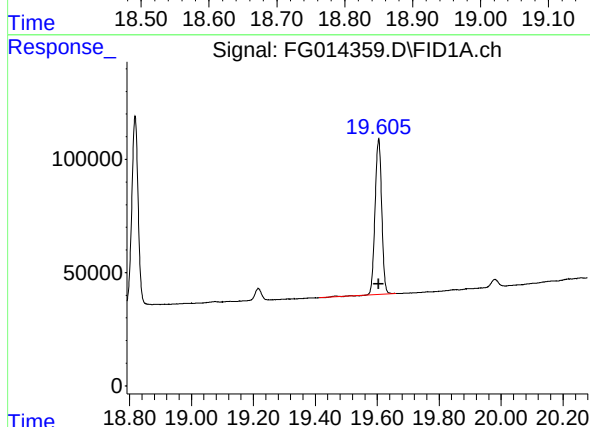
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



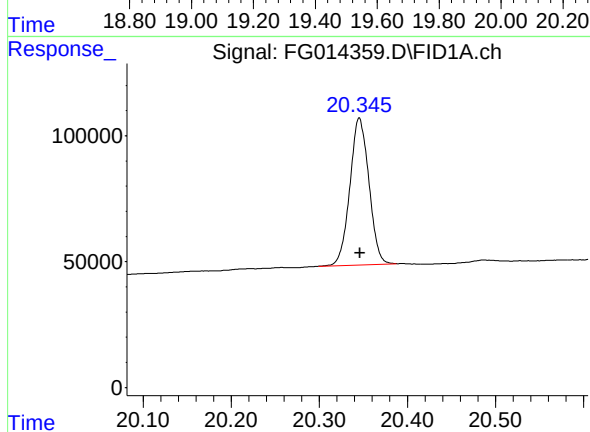
#18 n-Dotriacontane (C32)

R.T.: 18.818 min  
Delta R.T.: 0.000 min  
Response: 1175291  
Conc: 10.23 ug/ml



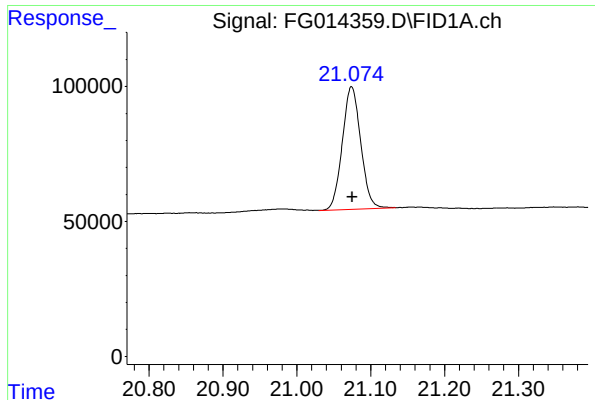
#19 n-Tetratriacontane (C34)

R.T.: 19.605 min  
Delta R.T.: 0.000 min  
Response: 1026611  
Conc: 10.34 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.345 min  
Delta R.T.: -0.001 min  
Response: 880585  
Conc: 10.17 ug/ml m



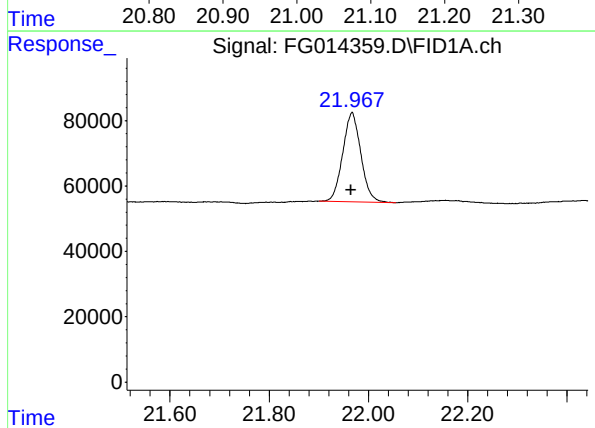
#21 n-Octatriacontane (C38)

R.T.: 21.073 min  
Delta R.T.: -0.002 min  
Response: 784933  
Conc: 10.42 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
10 PPM ALIPHATIC HC STD4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



#22 n-Tetracontane (C40)

R.T.: 21.967 min  
Delta R.T.: 0.002 min  
Response: 691641  
Conc: 10.57 ug/ml

rters

Instrument :  
FID\_G  
LabSampleId :  
10 PPM ALIPHATIC HC STD4  
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024  
Data File : FG014359.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 19:46  
Sample : 10 PPM ALIPHATIC HC STD4  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.190       | 3.159        | 3.239      | BB       | 128471         | 1267207      | 90.82%         | 5.007%        |
| 2                       | 4.438       | 4.406        | 4.491      | BB       | 129618         | 1288563      | 92.35%         | 5.091%        |
| 3                       | 6.139       | 6.111        | 6.232      | BB       | 109676         | 1213008      | 86.93%         | 4.792%        |
| 4                       | 6.609       | 6.578        | 6.663      | BB       | 124080         | 1261707      | 90.42%         | 4.985%        |
| 5                       | 7.239       | 7.200        | 7.339      | BB       | 71534          | 977617       | 70.06%         | 3.862%        |
| 6                       | 8.442       | 8.408        | 8.556      | BB       | 88349          | 1194752      | 85.62%         | 4.720%        |
| 7                       | 10.053      | 10.012       | 10.135     | BB       | 100719         | 1269447      | 90.98%         | 5.015%        |
| 8                       | 11.498      | 11.463       | 11.573     | BB       | 111301         | 1316280      | 94.33%         | 5.201%        |
| 9                       | 11.807      | 11.768       | 11.868     | BB       | 126273         | 1395362      | 100.00%        | 5.513%        |
| 10                      | 12.810      | 12.774       | 12.873     | BB       | 105805         | 1259624      | 90.27%         | 4.977%        |
| 11                      | 13.255      | 13.217       | 13.317     | BB       | 78364          | 994730       | 71.29%         | 3.930%        |
| 12                      | 13.424      | 13.390       | 13.479     | BB       | 104073         | 1231820      | 88.28%         | 4.867%        |
| 13                      | 14.012      | 13.972       | 14.074     | BB       | 95486          | 1217601      | 87.26%         | 4.811%        |
| 14                      | 15.117      | 15.073       | 15.178     | BB       | 91371          | 1208268      | 86.59%         | 4.774%        |
| 15                      | 16.141      | 16.105       | 16.209     | BB       | 90251          | 1185834      | 84.98%         | 4.685%        |
| 16                      | 17.094      | 17.037       | 17.159     | BB       | 89265          | 1167742      | 83.69%         | 4.614%        |
| 17                      | 17.984      | 17.924       | 18.047     | BB       | 84777          | 1209055      | 86.65%         | 4.777%        |
| 18                      | 18.818      | 18.762       | 18.875     | BB       | 83584          | 1175291      | 84.23%         | 4.643%        |
| 19                      | 19.605      | 19.412       | 19.660     | BB       | 68914          | 1026611      | 73.57%         | 4.056%        |
| 20                      | 20.345      | 20.015       | 20.425     | PV       | 59235          | 980736       | 70.29%         | 3.875%        |
| 21                      | 21.074      | 21.012       | 21.137     | BV       | 45382          | 777647       | 55.73%         | 3.072%        |
| 22                      | 21.967      | 21.900       | 22.055     | BB       | 27429          | 691641       | 49.57%         | 2.733%        |
| Sum of corrected areas: |             |              |            |          |                |              | 25310541       |               |

Aliphatic EPH 093024.M Tue Oct 01 09:54:28 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
 Data File : FG014360.D  
 Signal(s) : FID1A.ch  
 Acq On : 30 Sep 2024 20:15  
 Operator : YP\AJ  
 Sample : 5 PPM ALIPHATIC HC STD5  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 5 PPM ALIPHATIC HC STD5

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
 Supervised By :Ankita Jodhani 10/02/2024

Integration File: autoint1.e  
 Quant Time: Oct 01 09:16:55 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 01 09:16:03 2024  
 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)    | 11.806 | 713281     | 5.197 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 10.39%       |
| 12) S 1-chlorooctadecane (S... | 13.257 | 496516     | 4.956 ug/ml  |
| Spiked Amount 50.000           |        | Recovery = | 9.91%        |
|                                |        |            |              |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.190  | 651436     | 5.248 ug/ml  |
| 2) T n-Decane (C10)            | 4.439  | 658998     | 5.217 ug/ml  |
| 3) T A~Naphthalene (C11.7)     | 6.140  | 570926     | 4.437 ug/ml  |
| 4) T n-Dodecane (C12)          | 6.609  | 636819     | 5.060 ug/ml  |
| 5) T A~2-methylnaphthalene...  | 7.240  | 478293     | 4.044 ug/mlm |
| 6) T n-Tetradecane (C14)       | 8.443  | 542666     | 4.371 ug/ml  |
| 7) T n-Hexadecane (C16)        | 10.054 | 628970     | 4.930 ug/ml  |
| 8) T n-Octadecane (C18)        | 11.498 | 660484     | 5.095 ug/ml  |
| 10) T n-Eicosane (C20)         | 12.811 | 645732     | 5.225 ug/ml  |
| 11) T n-Heneicosane (C21)      | 13.424 | 632765     | 5.219 ug/ml  |
| 13) T n-Docosane (C22)         | 14.013 | 625543     | 5.206 ug/ml  |
| 14) T n-Tetracosane (C24)      | 15.119 | 637127     | 5.344 ug/ml  |
| 15) T n-Hexacosane (C26)       | 16.143 | 625562     | 5.377 ug/ml  |
| 16) T n-Octacosane (C28)       | 17.095 | 632829     | 5.576 ug/ml  |
| 17) T n-Tricontane (C30)       | 17.984 | 678266     | 5.920 ug/ml  |
| 18) T n-Dotriacontane (C32)    | 18.818 | 669155     | 6.107 ug/ml  |
| 19) T n-Tetratriacontane (C34) | 19.603 | 565691     | 5.928 ug/ml  |
| 20) T n-Hexatriacontane (C36)  | 20.345 | 472841     | 5.700 ug/mlm |
| 21) T n-Octatriacontane (C38)  | 21.077 | 415151     | 5.715 ug/mlm |
| 22) T n-Tetracontane (C40)     | 21.969 | 353696     | 5.596 ug/ml  |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014360.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 20:15  
Operator : YP\AJ  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

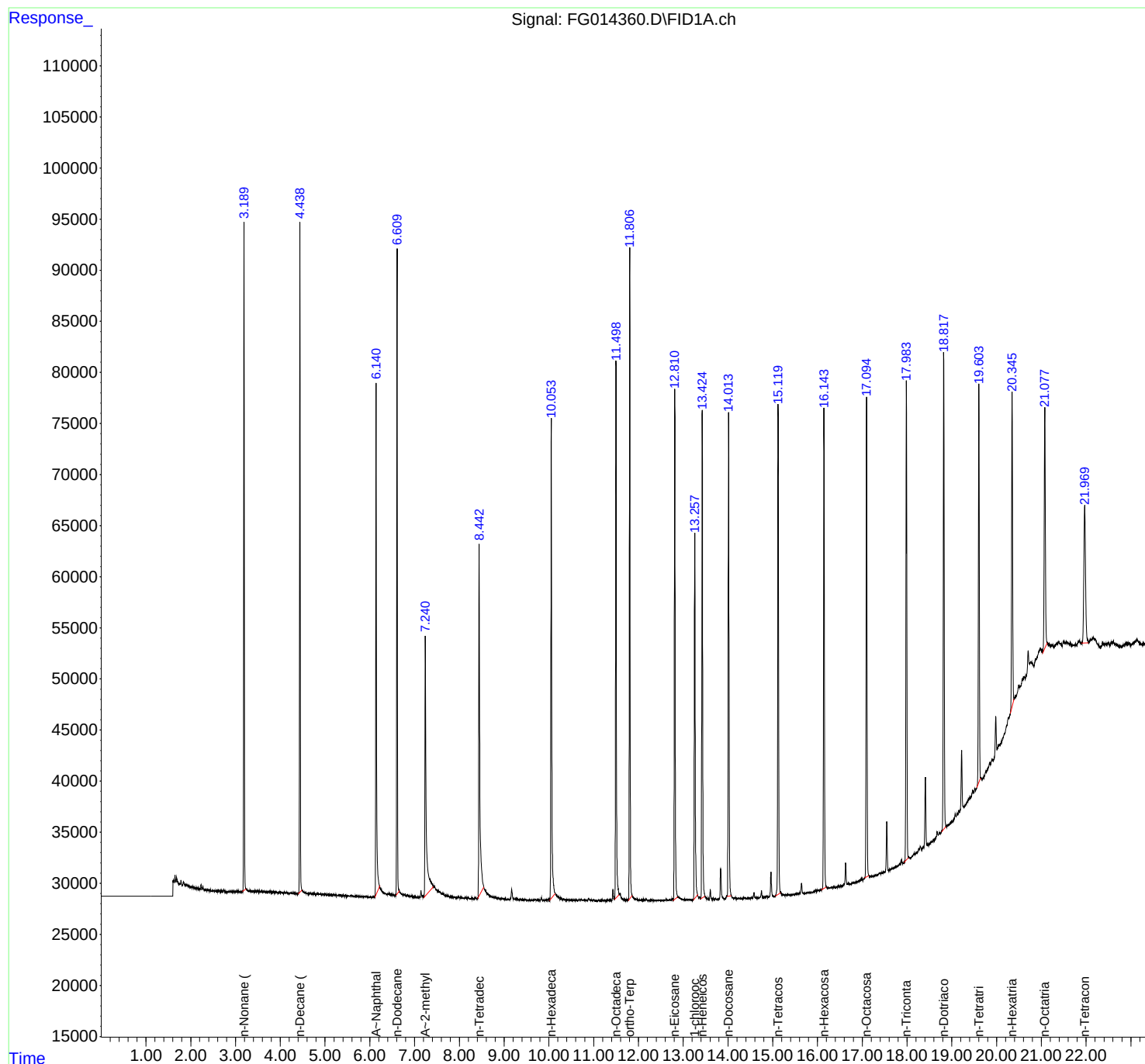
Instrument :  
FID\_G  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

Manual Integrations  
APPROVED

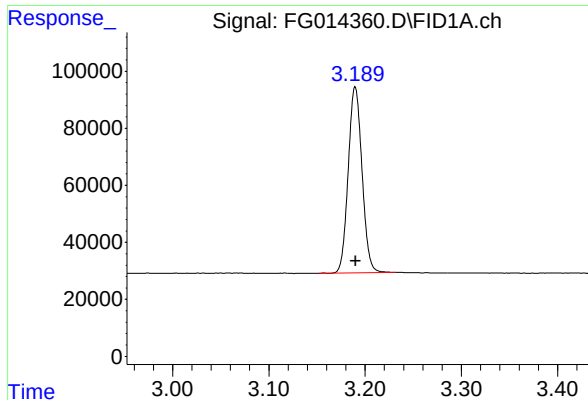
Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024

Integration File: autoint1.e  
Quant Time: Oct 01 09:16:55 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 01 09:16:03 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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







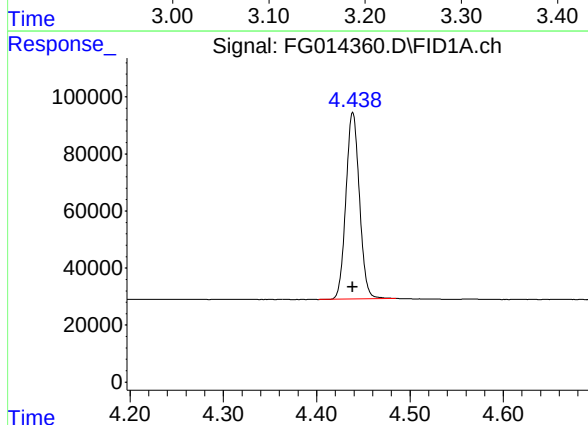
#1 n-Nonane (C9)

R.T.: 3.190 min  
Delta R.T.: 0.000 min  
Response: 651436  
Conc: 5.25 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

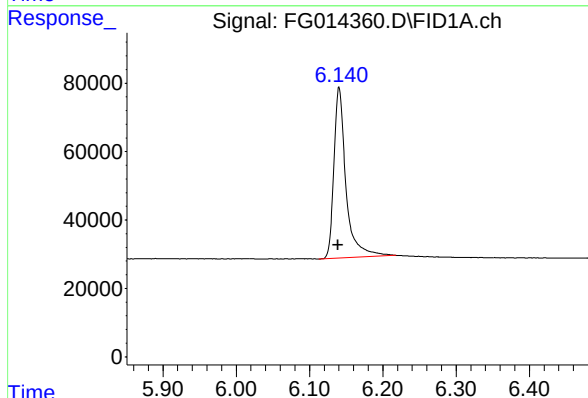
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



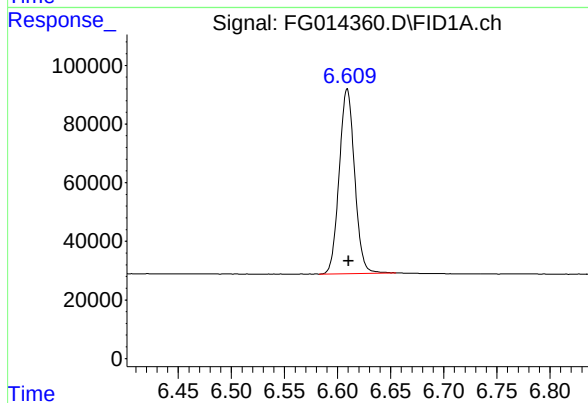
#2 n-Decane (C10)

R.T.: 4.439 min  
Delta R.T.: 0.000 min  
Response: 658998  
Conc: 5.22 ug/ml



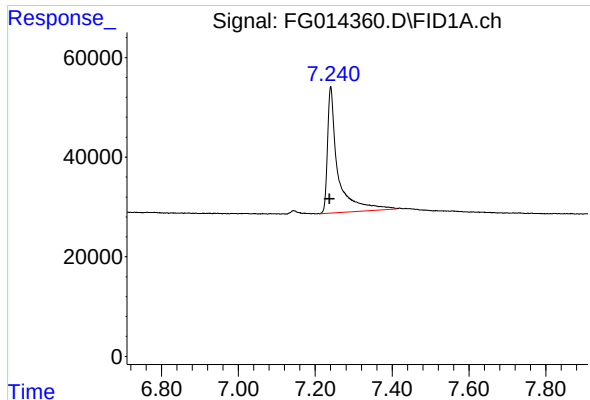
#3 A~Naphthalene (C11.7)

R.T.: 6.140 min  
Delta R.T.: 0.002 min  
Response: 570926  
Conc: 4.44 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.609 min  
Delta R.T.: -0.001 min  
Response: 636819  
Conc: 5.06 ug/ml



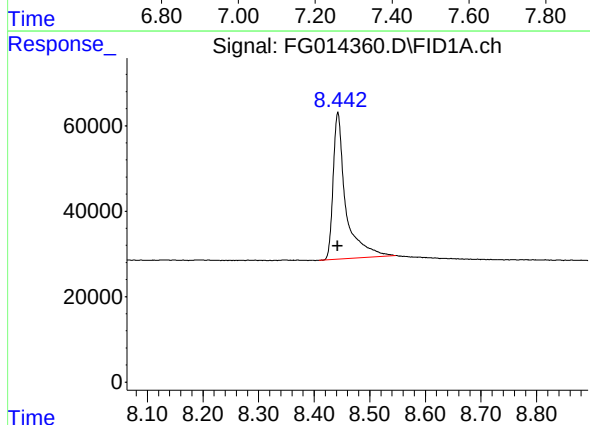
#5 A~2-methylnaphthalene (C12.89)

R.T.: 7.240 min  
Delta R.T.: 0.003 min  
Response: 478293  
Conc: 4.04 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

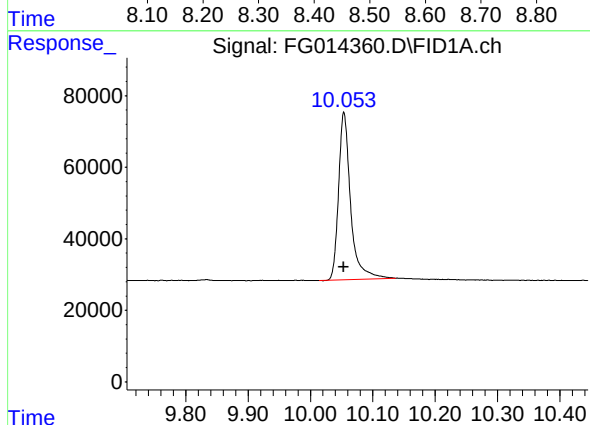
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



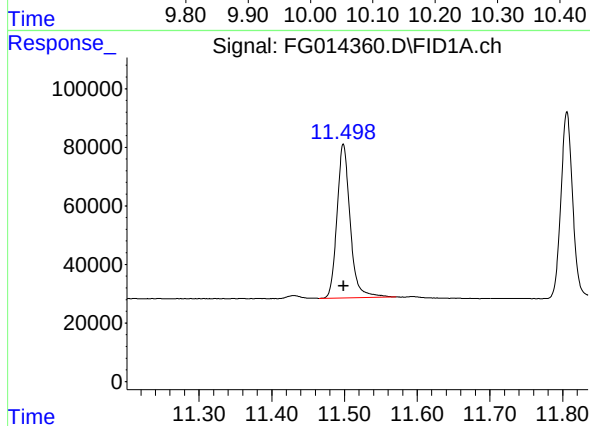
#6 n-Tetradecane (C14)

R.T.: 8.443 min  
Delta R.T.: 0.000 min  
Response: 542666  
Conc: 4.37 ug/ml



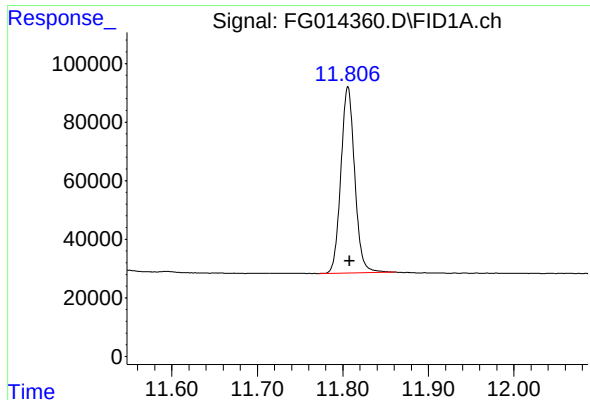
#7 n-Hexadecane (C16)

R.T.: 10.054 min  
Delta R.T.: 0.000 min  
Response: 628970  
Conc: 4.93 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.498 min  
Delta R.T.: 0.000 min  
Response: 660484  
Conc: 5.10 ug/ml



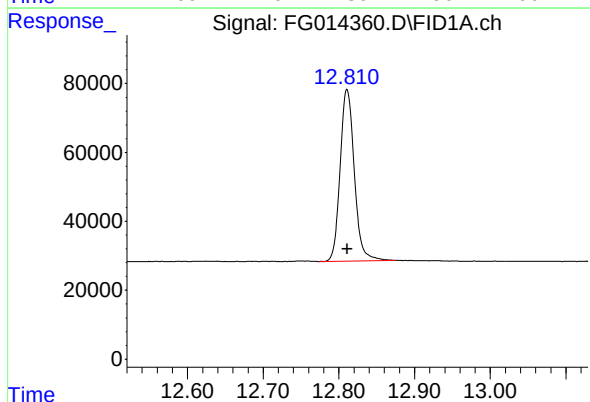
#9 ortho-Terphenyl (SURR)

R.T.: 11.806 min  
Delta R.T.: -0.002 min  
Response: 713281  
Conc: 5.20 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

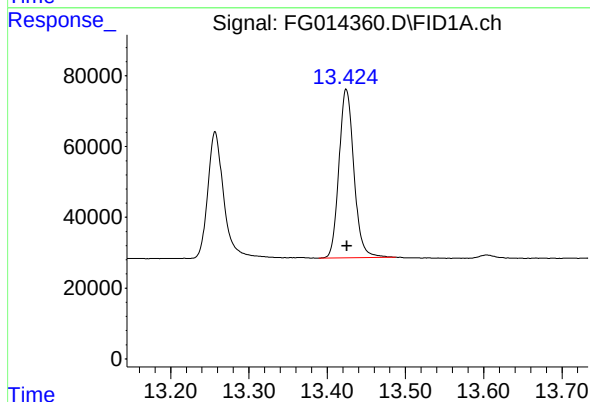
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



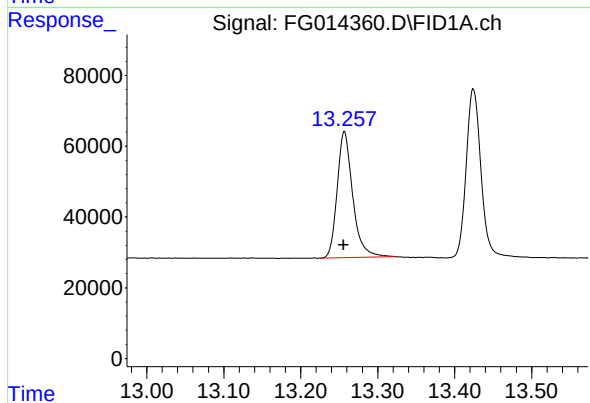
#10 n-Eicosane (C20)

R.T.: 12.811 min  
Delta R.T.: 0.000 min  
Response: 645732  
Conc: 5.22 ug/ml



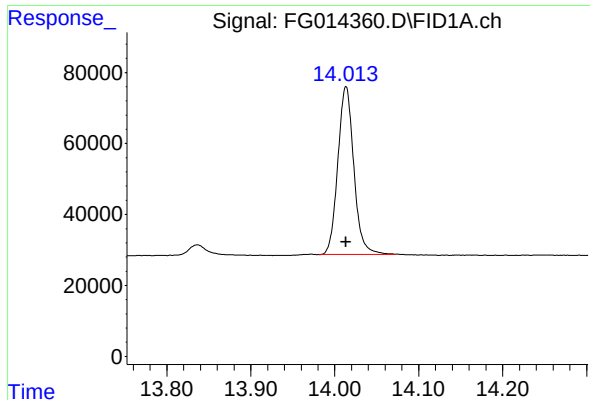
#11 n-Heneicosane (C21)

R.T.: 13.424 min  
Delta R.T.: 0.000 min  
Response: 632765  
Conc: 5.22 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.257 min  
Delta R.T.: 0.001 min  
Response: 496516  
Conc: 4.96 ug/ml



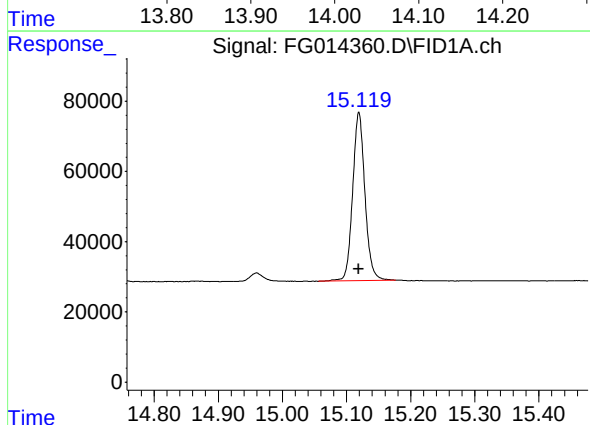
#13 n-Docosane (C22)

R.T.: 14.013 min  
Delta R.T.: 0.000 min  
Response: 625543  
Conc: 5.21 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

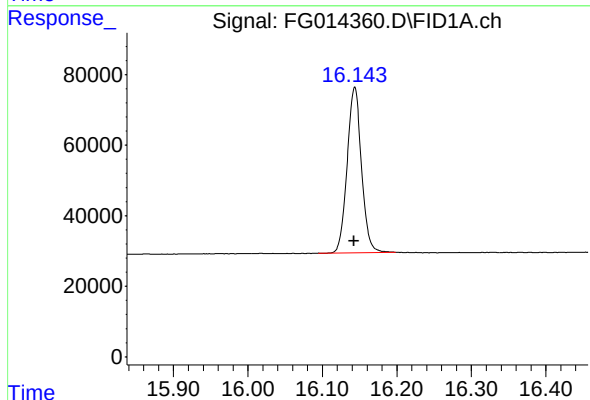
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



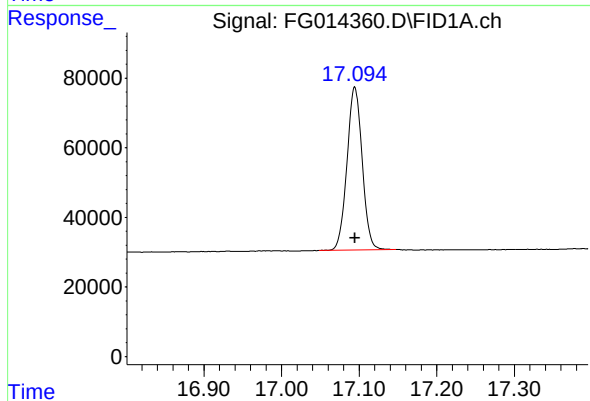
#14 n-Tetracosane (C24)

R.T.: 15.119 min  
Delta R.T.: 0.000 min  
Response: 637127  
Conc: 5.34 ug/ml



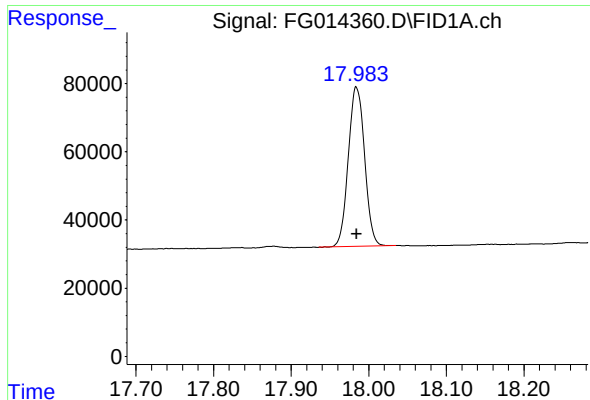
#15 n-Hexacosane (C26)

R.T.: 16.143 min  
Delta R.T.: 0.001 min  
Response: 625562  
Conc: 5.38 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.095 min  
Delta R.T.: 0.000 min  
Response: 632829  
Conc: 5.58 ug/ml



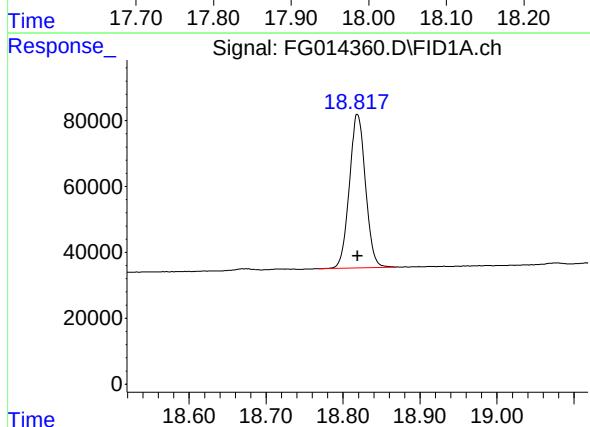
#17 n-Tricontane (C30)

R.T.: 17.984 min  
Delta R.T.: 0.000 min  
Response: 678266  
Conc: 5.92 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

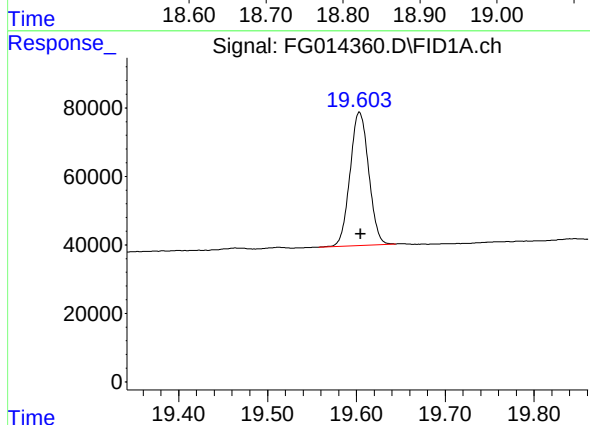
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



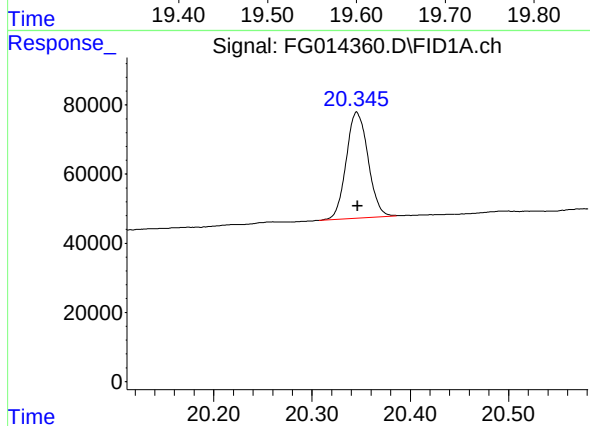
#18 n-Dotriacontane (C32)

R.T.: 18.818 min  
Delta R.T.: 0.000 min  
Response: 669155  
Conc: 6.11 ug/ml



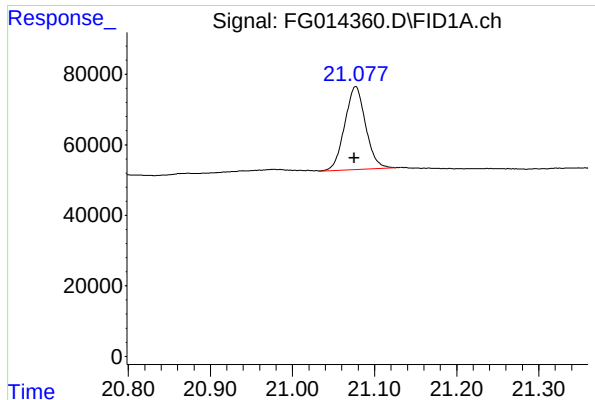
#19 n-Tetratriacontane (C34)

R.T.: 19.603 min  
Delta R.T.: -0.001 min  
Response: 565691  
Conc: 5.93 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 20.345 min  
Delta R.T.: -0.001 min  
Response: 472841  
Conc: 5.70 ug/ml m



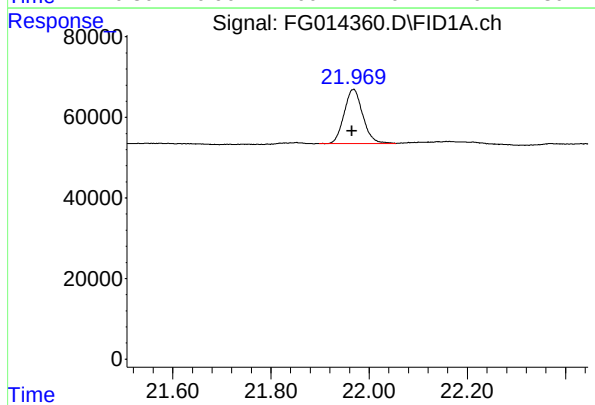
#21 n-Octatriacontane (C38)

R.T.: 21.077 min  
Delta R.T.: 0.002 min  
Response: 415151  
Conc: 5.72 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
5 PPM ALIPHATIC HC STD5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024



#22 n-Tetracontane (C40)

R.T.: 21.969 min  
Delta R.T.: 0.004 min  
Response: 353696  
Conc: 5.60 ug/ml

nteres

Instrument :  
FID\_G  
LabSampleId :  
5 PPM ALIPHATIC HC STD5  
Area Percent Report

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/01/2024  
Supervised By :Ankita Jodhani 10/02/2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024.M  
Data File : FG014360.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 20:15  
Sample : 5 PPM ALIPHATIC HC STD5  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.190       | 3.152        | 3.232      | BB       | 65276          | 651436       | 91.33%         | 5.050%        |
| 2                       | 4.439       | 4.402        | 4.485      | BB       | 65439          | 658998       | 92.39%         | 5.109%        |
| 3                       | 6.140       | 6.113        | 6.218      | BB       | 50012          | 570926       | 80.04%         | 4.426%        |
| 4                       | 6.609       | 6.583        | 6.655      | BB       | 63148          | 636819       | 89.28%         | 4.937%        |
| 5                       | 7.241       | 7.211        | 7.328      | BB       | 25115          | 397284       | 55.70%         | 3.080%        |
| 6                       | 8.443       | 8.408        | 8.547      | BB       | 34403          | 542666       | 76.08%         | 4.207%        |
| 7                       | 10.054      | 10.013       | 10.137     | BB       | 46937          | 628970       | 88.18%         | 4.876%        |
| 8                       | 11.498      | 11.465       | 11.571     | BB       | 52583          | 660484       | 92.60%         | 5.120%        |
| 9                       | 11.806      | 11.772       | 11.862     | BB       | 63663          | 713281       | 100.00%        | 5.529%        |
| 10                      | 12.811      | 12.773       | 12.875     | BB       | 49909          | 645732       | 90.53%         | 5.006%        |
| 11                      | 13.257      | 13.223       | 13.323     | BB       | 35762          | 496516       | 69.61%         | 3.849%        |
| 12                      | 13.424      | 13.389       | 13.488     | BB       | 47708          | 632765       | 88.71%         | 4.905%        |
| 13                      | 14.013      | 13.981       | 14.073     | BB       | 47355          | 625543       | 87.70%         | 4.849%        |
| 14                      | 15.119      | 15.057       | 15.177     | BB       | 47994          | 637127       | 89.32%         | 4.939%        |
| 15                      | 16.143      | 16.095       | 16.198     | BB       | 47038          | 625562       | 87.70%         | 4.849%        |
| 16                      | 17.095      | 17.048       | 17.148     | BB       | 46962          | 632829       | 88.72%         | 4.906%        |
| 17                      | 17.984      | 17.936       | 18.035     | BB       | 46784          | 678266       | 95.09%         | 5.258%        |
| 18                      | 18.818      | 18.768       | 18.868     | BB       | 46596          | 669155       | 93.81%         | 5.187%        |
| 19                      | 19.603      | 19.558       | 19.644     | BB       | 39014          | 565691       | 79.31%         | 4.385%        |
| 20                      | 20.345      | 20.226       | 20.387     | BB       | 30739          | 471283       | 66.07%         | 3.653%        |
| 21                      | 21.077      | 21.017       | 21.125     | BB       | 23386          | 404621       | 56.73%         | 3.137%        |
| 22                      | 21.969      | 21.898       | 22.055     | BB       | 13470          | 353696       | 49.59%         | 2.742%        |
| Sum of corrected areas: |             |              |            |          |                |              | 12899648       |               |

Aliphatic EPH 093024.M Tue Oct 01 09:55:03 2024

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
 Data File : FG014361.D  
 Signal(s) : FID1A.ch  
 Acq On : 30 Sep 2024 20:44  
 Operator : YP\AJ  
 Sample : 20 PPM ALIPHATIC HC STD ICV  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 FID\_G  
 ClientSampleId :  
 20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e  
 Quant Time: Oct 01 09:48:50 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 01 09:55:30 2024  
 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)    | 11.808 | 2558199    | 18.627 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 37.25%       |
| 12) S 1-chlorooctadecane (S... | 13.255 | 1879812    | 18.971 ug/ml |
| Spiked Amount 50.000           |        | Recovery = | 37.94%       |
| Target Compounds               |        |            |              |
| 1) T n-Nonane (C9)             | 3.189  | 2318857    | 18.594 ug/ml |
| 2) T n-Decane (C10)            | 4.439  | 2353079    | 18.567 ug/ml |
| 3) T A~Naphthalene (C11.7)     | 6.138  | 2318857    | 18.793 ug/ml |
| 4) T n-Dodecane (C12)          | 6.610  | 2332752    | 18.651 ug/ml |
| 5) T A~2-methylnaphthalene...  | 7.237  | 2023228    | 18.077 ug/ml |
| 6) T n-Tetradecane (C14)       | 8.441  | 2294960    | 19.276 ug/ml |
| 7) T n-Hexadecane (C16)        | 10.053 | 2372049    | 18.841 ug/ml |
| 8) T n-Octadecane (C18)        | 11.499 | 2436951    | 18.860 ug/ml |
| 10) T n-Eicosane (C20)         | 12.811 | 2338423    | 18.866 ug/ml |
| 11) T n-Heneicosane (C21)      | 13.425 | 2281931    | 18.786 ug/ml |
| 13) T n-Docosane (C22)         | 14.013 | 2318864    | 19.260 ug/ml |
| 14) T n-Tetracosane (C24)      | 15.118 | 2392649    | 19.868 ug/ml |
| 15) T n-Hexacosane (C26)       | 16.142 | 2405491    | 20.405 ug/ml |
| 16) T n-Octacosane (C28)       | 17.094 | 2418773    | 20.801 ug/ml |
| 17) T n-Tricontane (C30)       | 17.984 | 2459037    | 20.583 ug/ml |
| 18) T n-Dotriacontane (C32)    | 18.818 | 2364657    | 20.484 ug/ml |
| 19) T n-Tetratriacontane (C34) | 19.603 | 1946481    | 19.477 ug/ml |
| 20) T n-Hexatriacontane (C36)  | 20.346 | 1637145    | 18.843 ug/ml |
| 21) T n-Octatriacontane (C38)  | 21.073 | 1443760    | 19.002 ug/ml |
| 22) T n-Tetracontane (C40)     | 21.963 | 1265434    | 19.115 ug/ml |
| -----                          |        |            |              |

(f)=RT Delta > 1/2 Window

(m)=manual int.

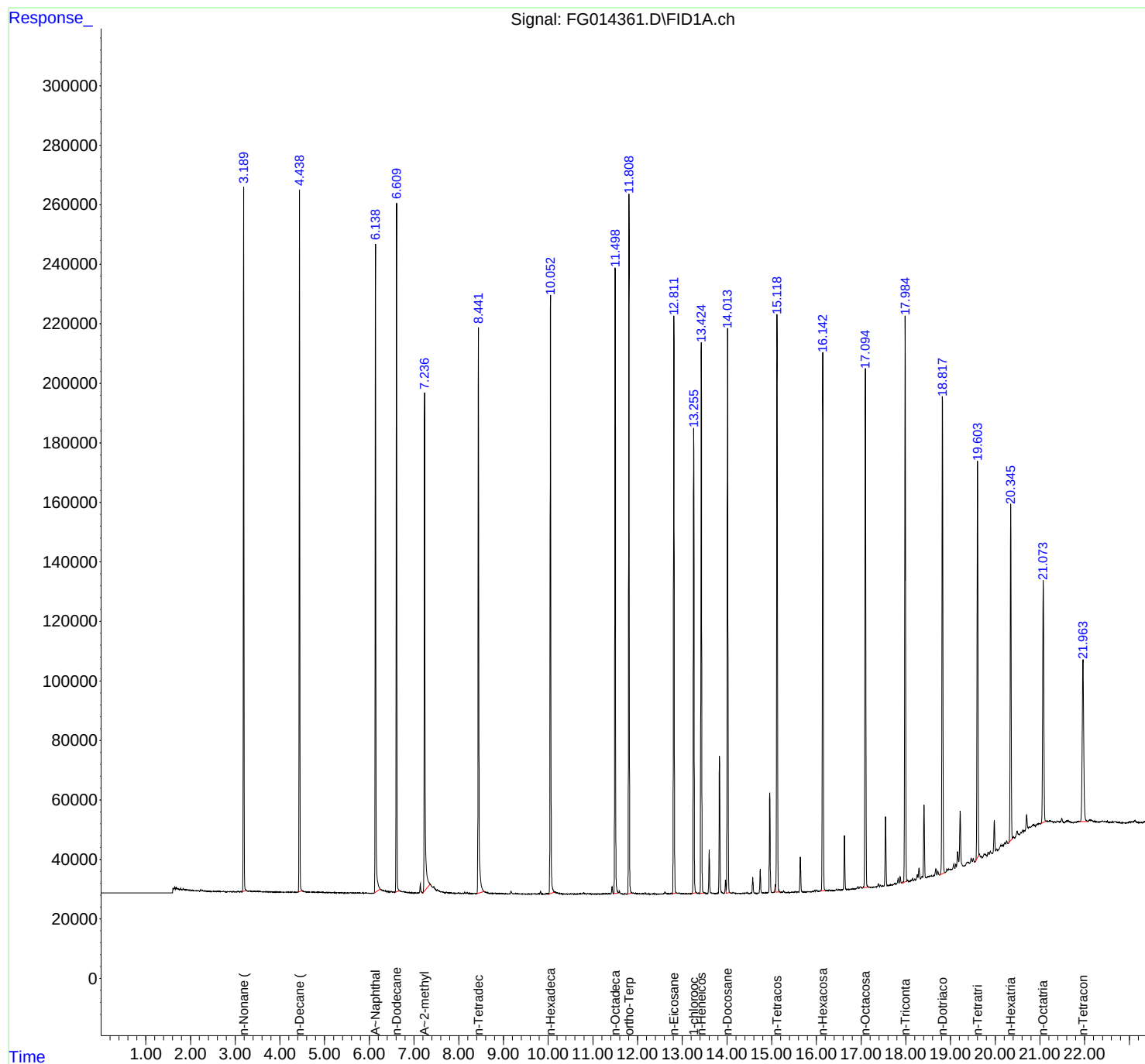


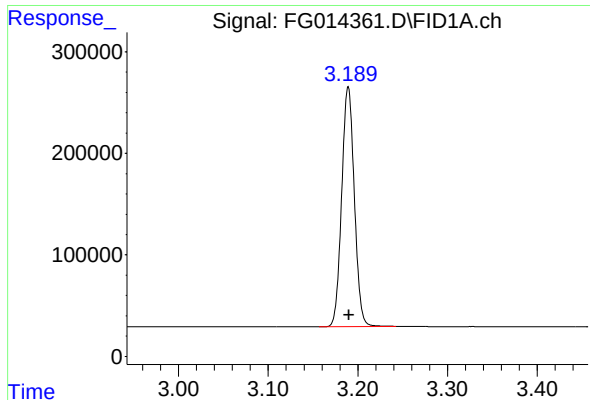
Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014361.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 20:44  
Operator : YP\AJ  
Sample : 20 PPM ALIPHATIC HC STD ICV  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV

Integration File: autoint1.e  
Quant Time: Oct 01 09:48:50 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 01 09:55:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

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





#1 n-Nonane (C9)

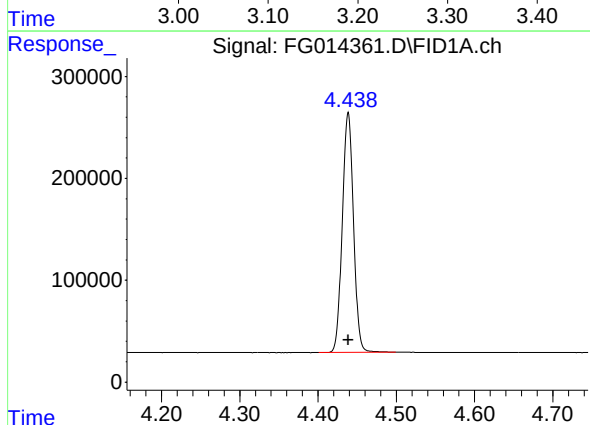
R.T.: 3.189 min  
Delta R.T.: 0.000 min  
Response: 2318857  
Conc: 18.59 ug/ml

Instrument :

FID\_G

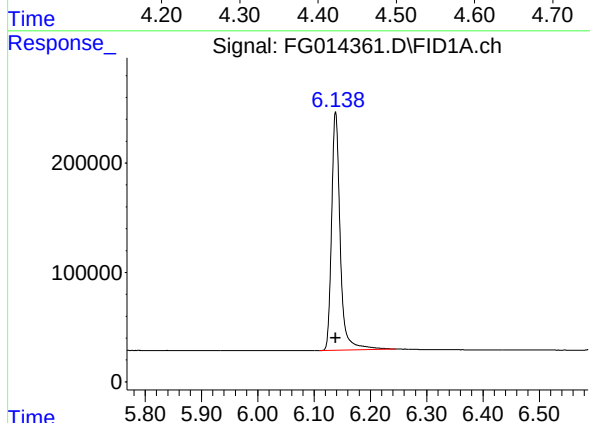
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



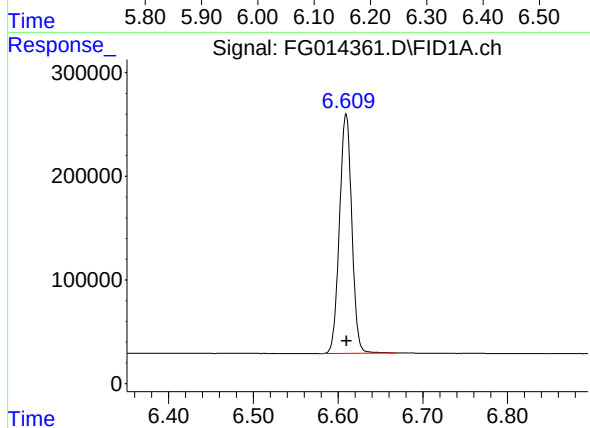
#2 n-Decane (C10)

R.T.: 4.439 min  
Delta R.T.: 0.000 min  
Response: 2353079  
Conc: 18.57 ug/ml



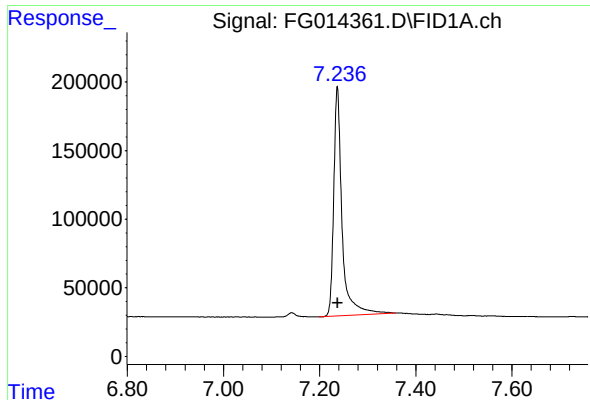
#3 A~Naphthalene (C11.7)

R.T.: 6.138 min  
Delta R.T.: 0.000 min  
Response: 2318857  
Conc: 18.79 ug/ml



#4 n-Dodecane (C12)

R.T.: 6.610 min  
Delta R.T.: 0.000 min  
Response: 2332752  
Conc: 18.65 ug/ml



#5 A~2-methylnaphthalene (C12.89)

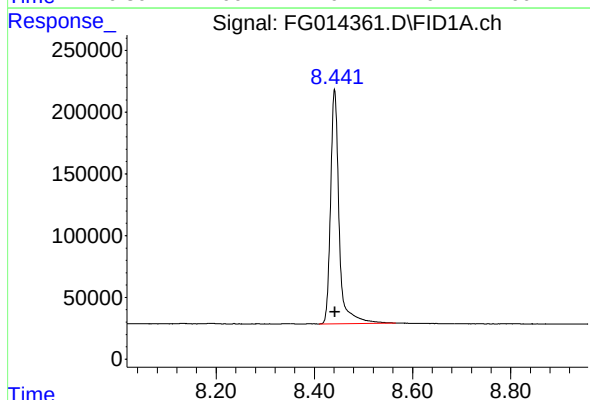
R.T.: 7.237 min  
Delta R.T.: 0.000 min  
Response: 2023228  
Conc: 18.08 ug/ml

Instrument :

FID\_G

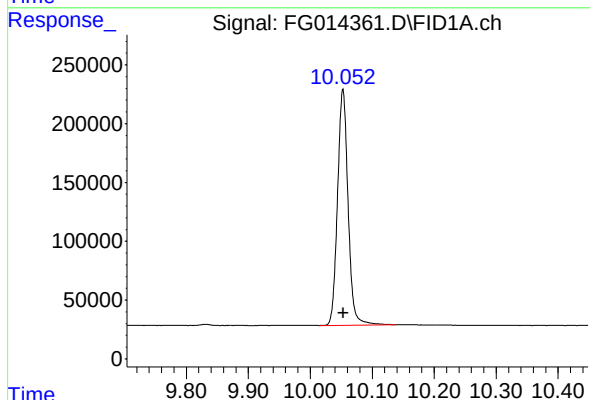
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



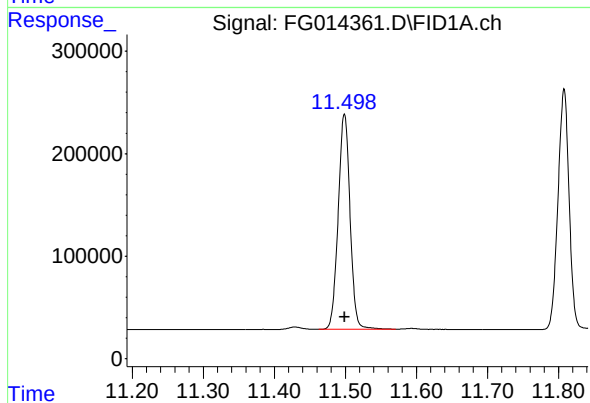
#6 n-Tetradecane (C14)

R.T.: 8.441 min  
Delta R.T.: 0.000 min  
Response: 2294960  
Conc: 19.28 ug/ml



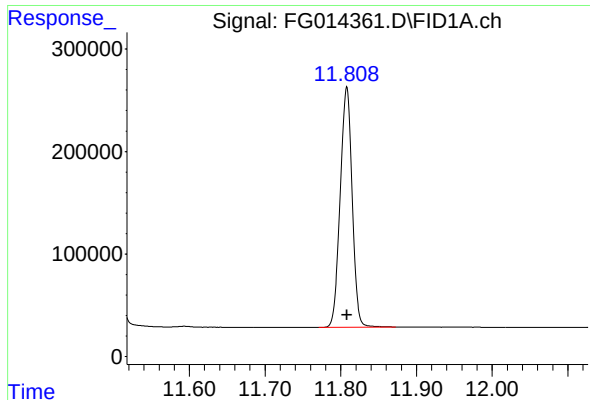
#7 n-Hexadecane (C16)

R.T.: 10.053 min  
Delta R.T.: 0.000 min  
Response: 2372049  
Conc: 18.84 ug/ml



#8 n-Octadecane (C18)

R.T.: 11.499 min  
Delta R.T.: 0.000 min  
Response: 2436951  
Conc: 18.86 ug/ml



#9 ortho-Terphenyl (SURR)

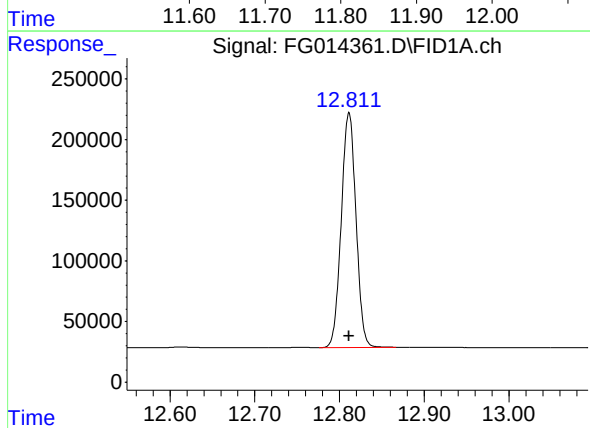
R.T.: 11.808 min  
Delta R.T.: 0.000 min  
Response: 2558199  
Conc: 18.63 ug/ml

Instrument :

FID\_G

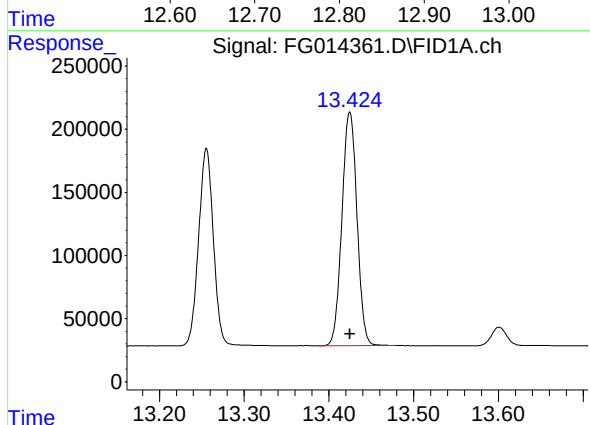
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



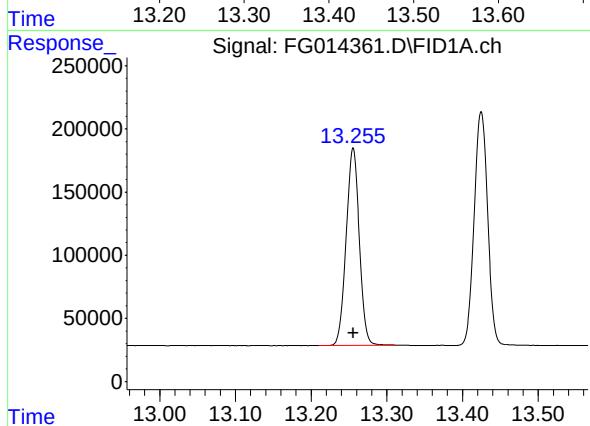
#10 n-Eicosane (C20)

R.T.: 12.811 min  
Delta R.T.: 0.000 min  
Response: 2338423  
Conc: 18.87 ug/ml



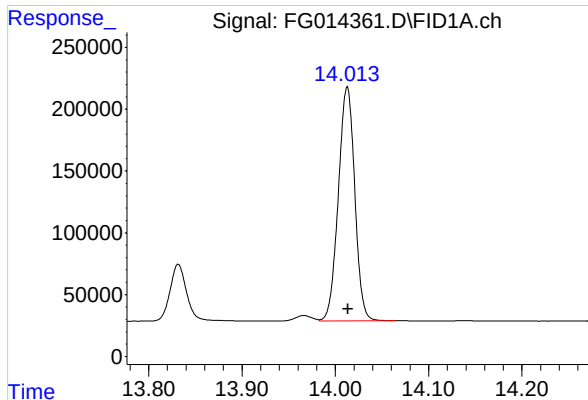
#11 n-Heneicosane (C21)

R.T.: 13.425 min  
Delta R.T.: 0.000 min  
Response: 2281931  
Conc: 18.79 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 13.255 min  
Delta R.T.: 0.000 min  
Response: 1879812  
Conc: 18.97 ug/ml



#13 n-Docosane (C22)

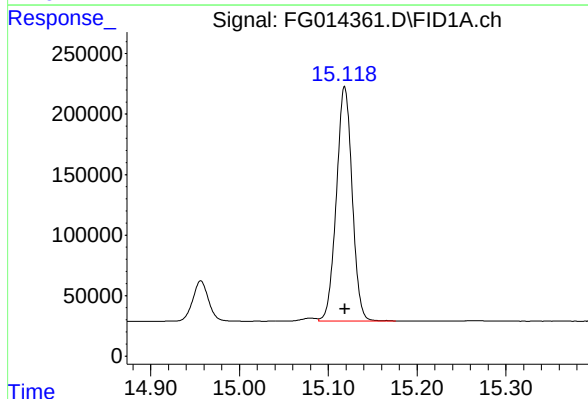
R.T.: 14.013 min  
Delta R.T.: 0.000 min  
Response: 2318864  
Conc: 19.26 ug/ml

Instrument :

FID\_G

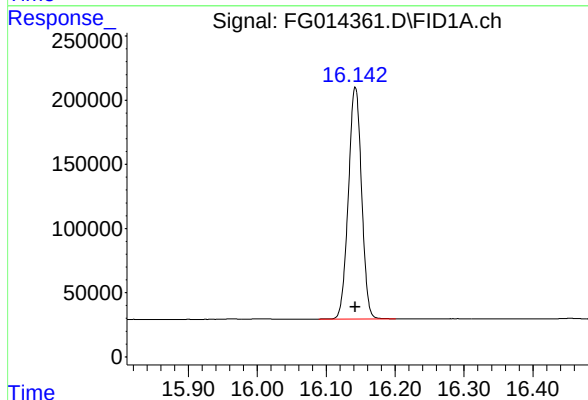
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



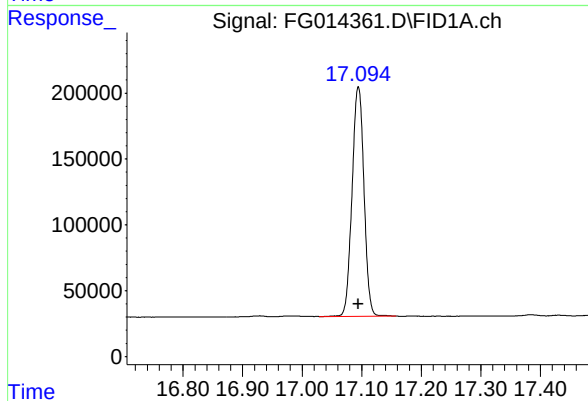
#14 n-Tetracosane (C24)

R.T.: 15.118 min  
Delta R.T.: 0.000 min  
Response: 2392649  
Conc: 19.87 ug/ml



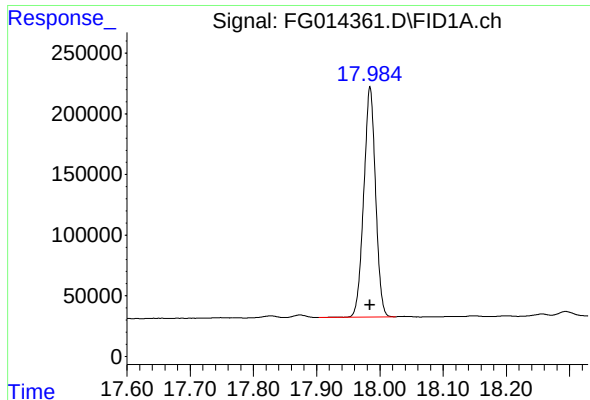
#15 n-Hexacosane (C26)

R.T.: 16.142 min  
Delta R.T.: 0.000 min  
Response: 2405491  
Conc: 20.40 ug/ml



#16 n-Octacosane (C28)

R.T.: 17.094 min  
Delta R.T.: 0.000 min  
Response: 2418773  
Conc: 20.80 ug/ml



#17 n-Tricontane (C30)

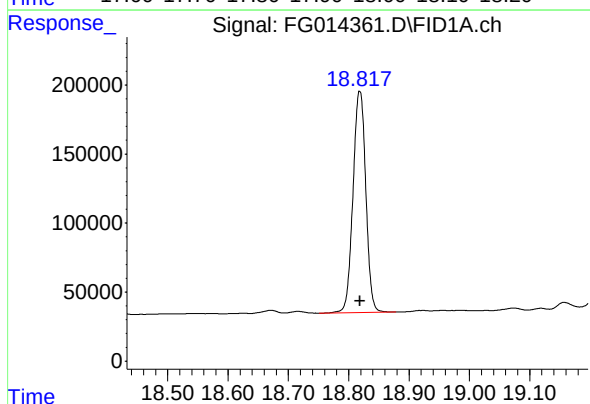
R.T.: 17.984 min  
Delta R.T.: 0.000 min  
Response: 2459037  
Conc: 20.58 ug/ml

Instrument :

FID\_G

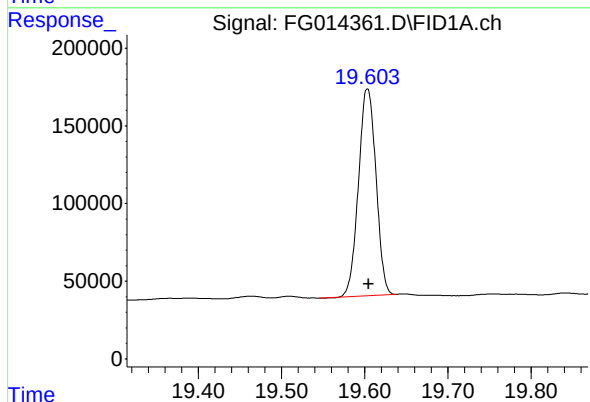
ClientSampleId :

20 PPM ALIPHATIC HC STD ICV



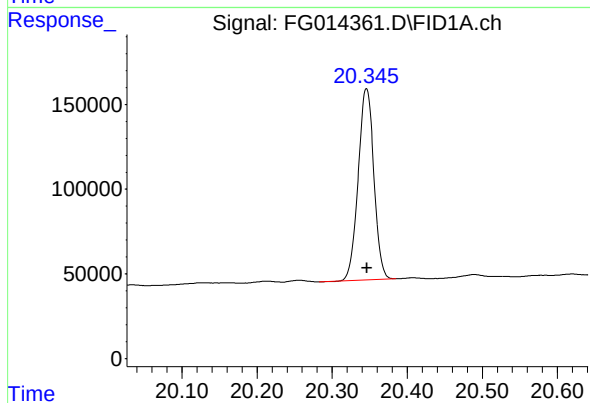
#18 n-Dotriacontane (C32)

R.T.: 18.818 min  
Delta R.T.: 0.000 min  
Response: 2364657  
Conc: 20.48 ug/ml



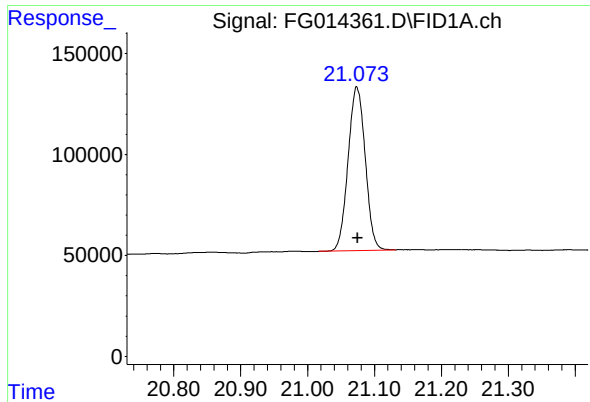
#19 n-Tetatriacontane (C34)

R.T.: 19.603 min  
Delta R.T.: -0.002 min  
Response: 1946481  
Conc: 19.48 ug/ml



#20 n-Hexatriacontane (C36)

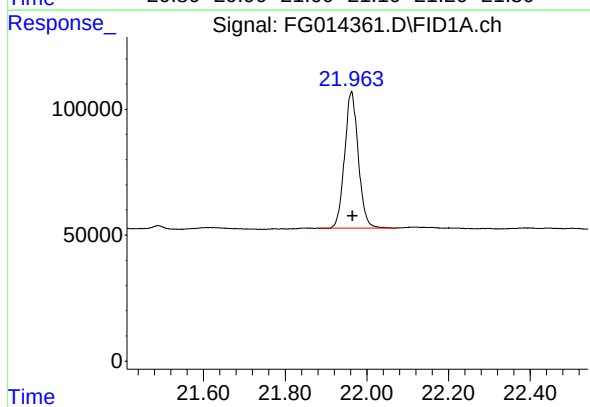
R.T.: 20.346 min  
Delta R.T.: 0.000 min  
Response: 1637145  
Conc: 18.84 ug/ml



#21 n-Octatriacontane (C38)

R.T.: 21.073 min  
Delta R.T.: -0.002 min  
Response: 1443760  
Conc: 19.00 ug/ml

Instrument :  
FID\_G  
ClientSampleId :  
20 PPM ALIPHATIC HC STD ICV



#22 n-Tetracontane (C40)

R.T.: 21.963 min  
Delta R.T.: -0.003 min  
Response: 1265434  
Conc: 19.11 ug/ml

rteres

## Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID\_G\Data\FG093024AL\  
Data File : FG014361.D  
Signal(s) : FID1A.ch  
Acq On : 30 Sep 2024 20:44  
Sample : 20 PPM ALIPHATIC HC STD ICV  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID\_G\Method\Aliphatic EPH 093024.M  
Title : GC Extractables

Signal : FID1A.ch

| peak<br>#               | R.T.<br>min | Start<br>min | End<br>min | PK<br>TY | peak<br>height | peak<br>area | peak<br>% max. | % of<br>total |
|-------------------------|-------------|--------------|------------|----------|----------------|--------------|----------------|---------------|
| 1                       | 3.189       | 3.157        | 3.243      | BB       | 236538         | 2318857      | 90.64%         | 4.815%        |
| 2                       | 4.439       | 4.401        | 4.499      | BB       | 235481         | 2353079      | 91.98%         | 4.886%        |
| 3                       | 6.138       | 6.108        | 6.245      | BB       | 217964         | 2318857      | 90.64%         | 4.815%        |
| 4                       | 6.610       | 6.578        | 6.668      | BB       | 231258         | 2332752      | 91.19%         | 4.844%        |
| 5                       | 7.237       | 7.198        | 7.358      | BB       | 167335         | 2023228      | 79.09%         | 4.201%        |
| 6                       | 8.441       | 8.409        | 8.566      | BB       | 189545         | 2294960      | 89.71%         | 4.765%        |
| 7                       | 10.053      | 10.014       | 10.138     | BB       | 200947         | 2372049      | 92.72%         | 4.925%        |
| 8                       | 11.499      | 11.463       | 11.571     | BB       | 209954         | 2436951      | 95.26%         | 5.060%        |
| 9                       | 11.808      | 11.771       | 11.873     | BB       | 235033         | 2558199      | 100.00%        | 5.312%        |
| 10                      | 12.811      | 12.776       | 12.867     | BB       | 194027         | 2338423      | 91.41%         | 4.855%        |
| 11                      | 13.255      | 13.210       | 13.312     | BB       | 156320         | 1879812      | 73.48%         | 3.903%        |
| 12                      | 13.425      | 13.388       | 13.479     | BB       | 185204         | 2281931      | 89.20%         | 4.738%        |
| 13                      | 14.013      | 13.983       | 14.065     | VB       | 189460         | 2318864      | 90.64%         | 4.815%        |
| 14                      | 15.118      | 15.089       | 15.176     | VB       | 194096         | 2392649      | 93.53%         | 4.968%        |
| 15                      | 16.142      | 16.089       | 16.201     | BB       | 180598         | 2405491      | 94.03%         | 4.995%        |
| 16                      | 17.094      | 17.028       | 17.158     | BB       | 174362         | 2418773      | 94.55%         | 5.022%        |
| 17                      | 17.984      | 17.903       | 18.025     | BB       | 190101         | 2459037      | 96.12%         | 5.106%        |
| 18                      | 18.818      | 18.751       | 18.878     | BB       | 160164         | 2364657      | 92.43%         | 4.910%        |
| 19                      | 19.603      | 19.545       | 19.637     | BV       | 133249         | 1946481      | 76.09%         | 4.042%        |
| 20                      | 20.346      | 20.283       | 20.385     | BV       | 113044         | 1637145      | 64.00%         | 3.399%        |
| 21                      | 21.073      | 21.017       | 21.132     | BB       | 81255          | 1443760      | 56.44%         | 2.998%        |
| 22                      | 21.963      | 21.883       | 22.071     | BB       | 54462          | 1265434      | 49.47%         | 2.627%        |
| Sum of corrected areas: |             |              |            |          |                |              | 48161389       |               |

Aliphatic EPH 093024.M Tue Oct 01 09:55:44 2024