

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040119\  
 Data File : PL046803.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 01 Apr 2019 15:04  
 Operator : AJ\SJ  
 Sample : K1560-02  
 Misc : PEST LOQ 10 PPB  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 LOQ-SOIL-02-QT1-2019

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 02 01:23:20 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 22 13:40:08 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2   | Resp#1   | Resp#2   | ng/ml   | ng/ml     |
|-----------------------------|-----------------|-------|--------|----------|----------|---------|-----------|
| -----                       |                 |       |        |          |          |         |           |
| System Monitoring Compounds |                 |       |        |          |          |         |           |
| 1)                          | SA Tetrachlo... | 3.359 | 3.977  | 140.4E6  | 43748795 | 19.305  | 19.108    |
| 28)                         | SA Decachlor... | 8.037 | 9.031  | 191.1E6  | 56730372 | 22.721  | 24.469    |
| Target Compounds            |                 |       |        |          |          |         |           |
| 2)                          | A alpha-BHC     | 3.788 | 4.367  | 100.9E6  | 26213424 | 8.651   | 8.158     |
| 3)                          | MA gamma-BHC... | 4.066 | 4.651  | 91482426 | 25616563 | 8.514   | 8.559     |
| 4)                          | MA Heptachlor   | 4.352 | 5.157  | 103.0E6  | 30564285 | 9.340   | 9.937     |
| 5)                          | MB Aldrin       | 4.592 | 5.461  | 92722351 | 27000379 | 8.989   | 9.424     |
| 6)                          | B beta-BHC      | 4.319 | 4.824  | 42637466 | 12286601 | 9.470   | 9.268     |
| 7)                          | B delta-BHC     | 4.514 | 5.039  | 80855219 | 19173440 | 7.987   | 8.264     |
| 8)                          | B Heptachlor... | 5.030 | 5.848  | 93550702 | 27300334 | 9.591   | 10.352    |
| 9)                          | A Endosulfan I  | 5.362 | 6.204  | 88195572 | 26243189 | 9.380   | 10.055    |
| 10)                         | B gamma-Chl...  | 5.253 | 6.082  | 94688880 | 28264629 | 9.218   | 9.959     |
| 11)                         | B alpha-Chl...  | 5.309 | 6.154  | 95056719 | 28621761 | 9.375   | 10.090    |
| 12)                         | B 4,4'-DDE      | 5.476 | 6.312  | 82275610 | 23523727 | 8.936   | 9.476     |
| 13)                         | MA Dieldrin     | 5.601 | 6.461  | 89589483 | 26122762 | 8.927   | 9.637     |
| 14)                         | MA Endrin       | 5.855 | 6.678  | 83983517 | 23301717 | 8.916   | 9.751     |
| 15)                         | B Endosulfa...  | 6.129 | 6.888  | 84023419 | 24989087 | 9.378   | 10.356    |
| 16)                         | A 4,4'-DDD      | 5.987 | 6.802  | 66756643 | 19569116 | 8.831   | 9.726     |
| 17)                         | MA 4,4'-DDT     | 6.222 | 7.100  | 65211091 | 20434515 | 8.609   | 9.745     |
| 18)                         | B Endrin al...  | 6.296 | 7.013  | 72812477 | 22391666 | 9.715   | 10.542    |
| 19)                         | B Endosulfa...  | 6.507 | 7.235  | 84947880 | 25928062 | 10.345  | 10.991    |
| 20)                         | A Methoxychlor  | 6.768 | 7.559  | 43303227 | 14066657 | 10.189  | 11.035    |
| 21)                         | B Endrin ke...  | 6.991 | 7.705  | 90575496 | 26121041 | 9.795   | 10.513    |
| 22)                         | Mirex           | 7.168 | 8.157  | 80193803 | 24229892 | 11.007  | 12.114    |
| 24)                         | Chlordane-2     | 0.000 | 5.461f | 0        | 27000379 | N.D.    | 231.149 # |
| 25)                         | Chlordane-3     | 5.253 | 6.082  | 94688880 | 28264629 | 85.024  | 74.133    |
| 26)                         | Chlordane-4     | 5.309 | 6.154  | 95056719 | 28621761 | 91.926  | 62.029 #  |
| 27)                         | Chlordane-5     | 6.129 | 0.000  | 84023419 | 0        | 246.210 | N.D. #    |
| -----                       |                 |       |        |          |          |         |           |

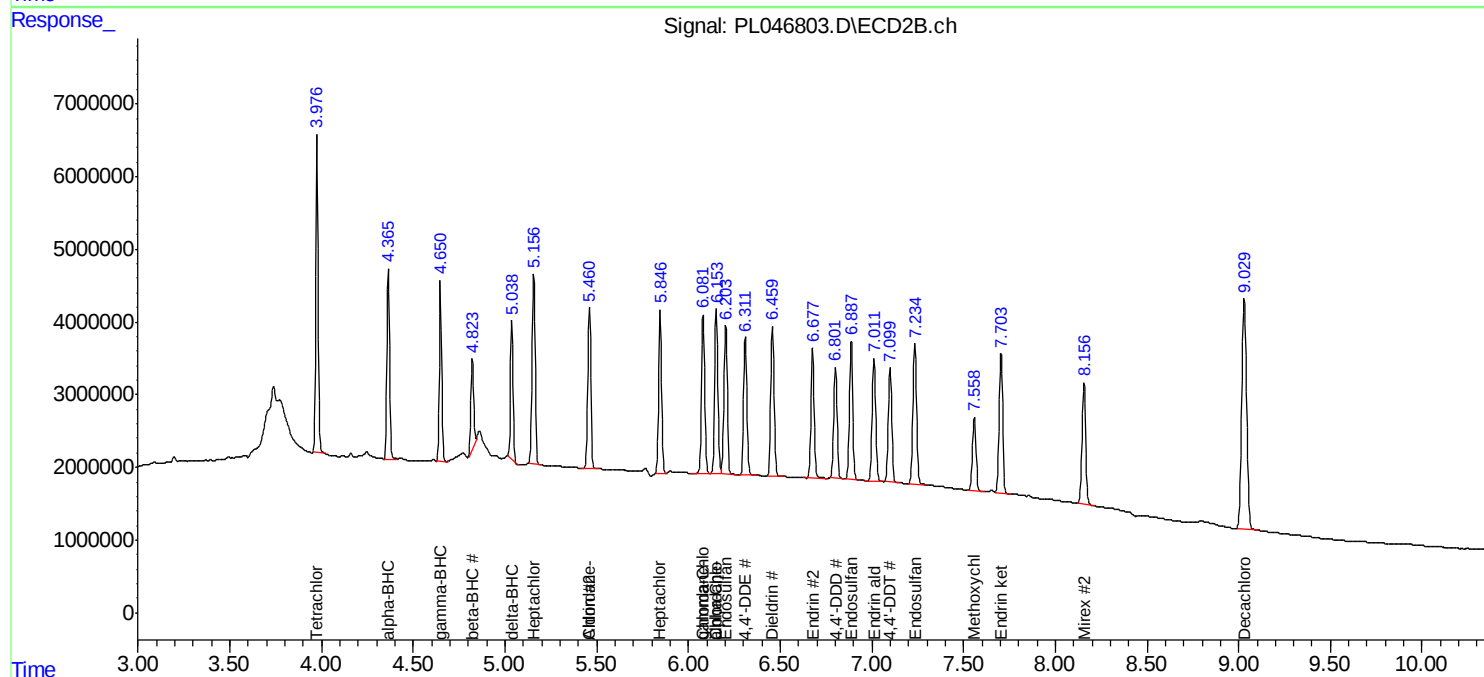
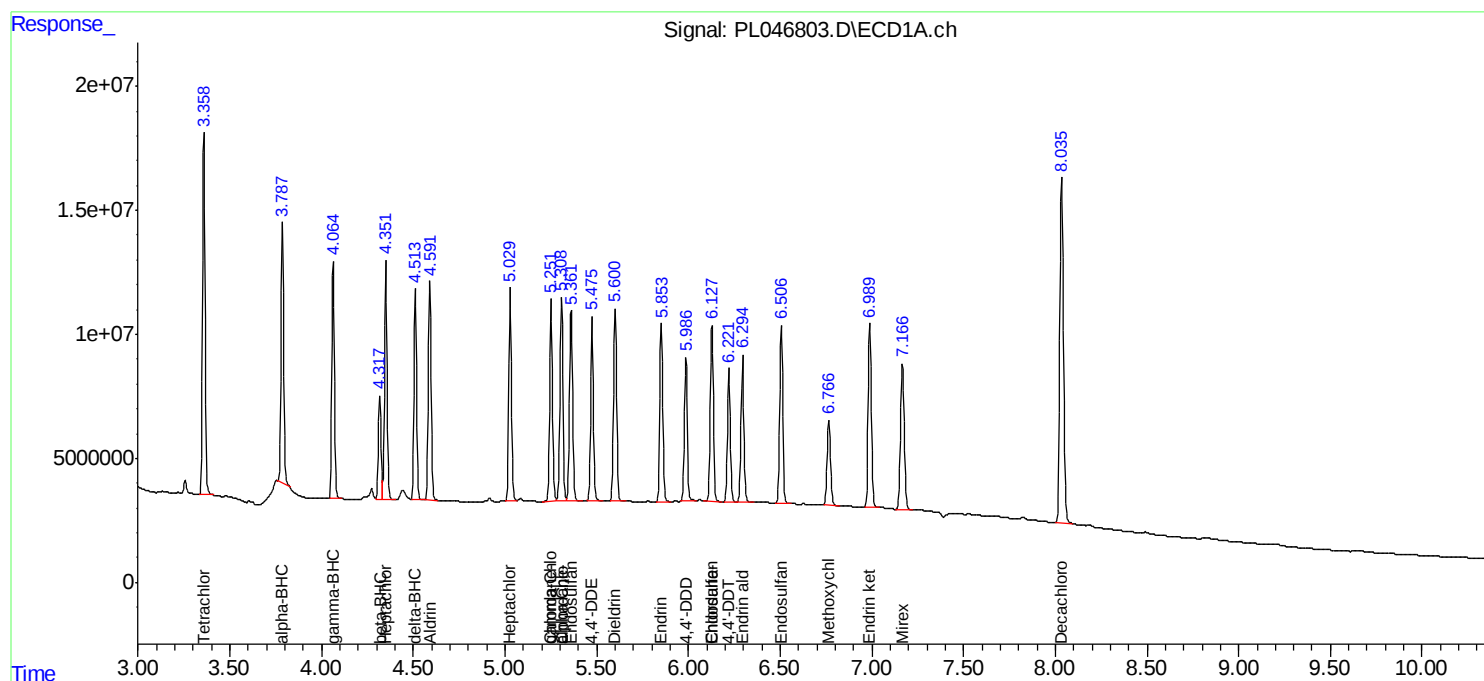
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

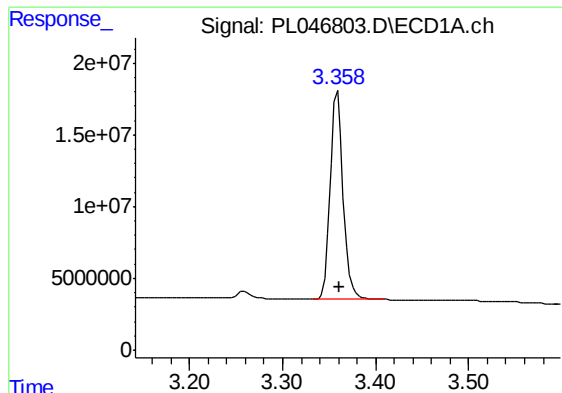
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040119\  
Data File : PL046803.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 01 Apr 2019 15:04  
Operator : AJ\SJ  
Sample : K1560-02  
Misc : PEST LOQ 10 PPB  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 02 01:23:20 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
Quant Title : GC Extractables  
QLast Update : Fri Mar 22 13:40:08 2019  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

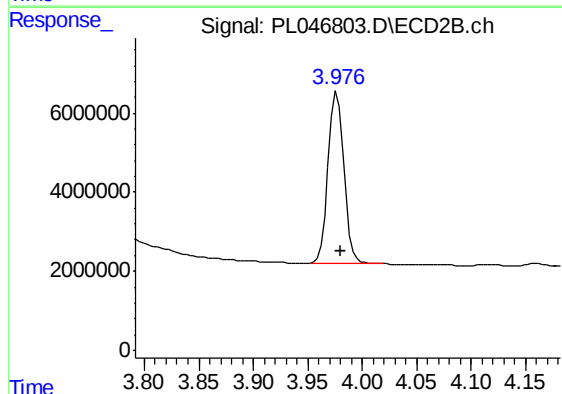




#1 Tetrachloro-m-xylene

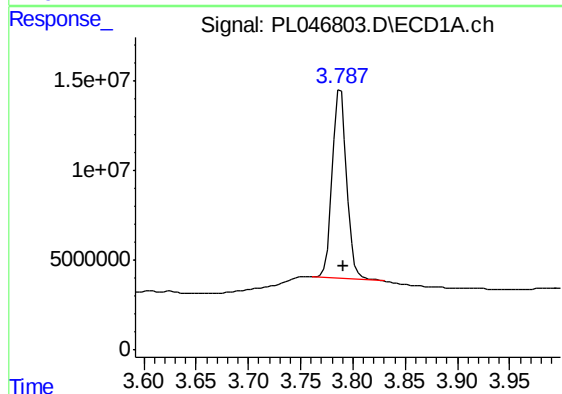
R.T.: 3.359 min  
Delta R.T.: -0.002 min  
Response: 140439120  
Conc: 19.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



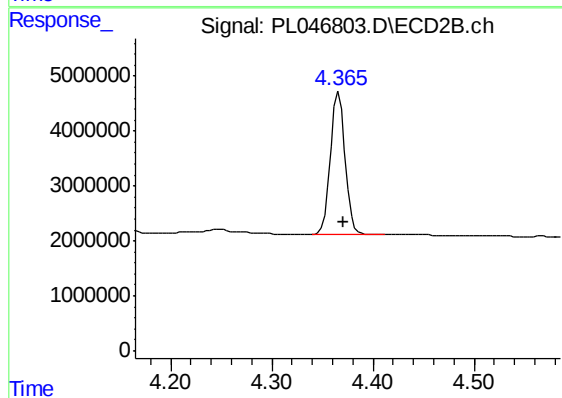
#1 Tetrachloro-m-xylene

R.T.: 3.977 min  
Delta R.T.: -0.004 min  
Response: 43748795  
Conc: 19.11 ng/ml



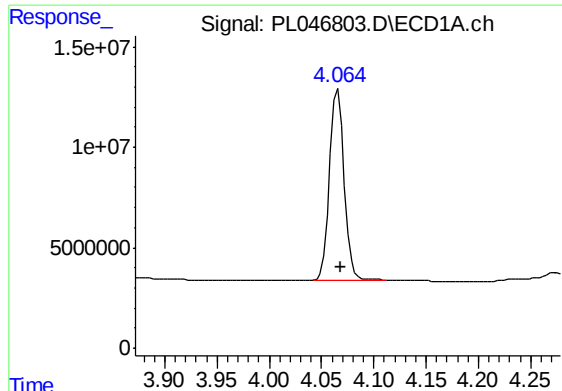
#2 alpha-BHC

R.T.: 3.788 min  
Delta R.T.: -0.002 min  
Response: 100883849  
Conc: 8.65 ng/ml



#2 alpha-BHC

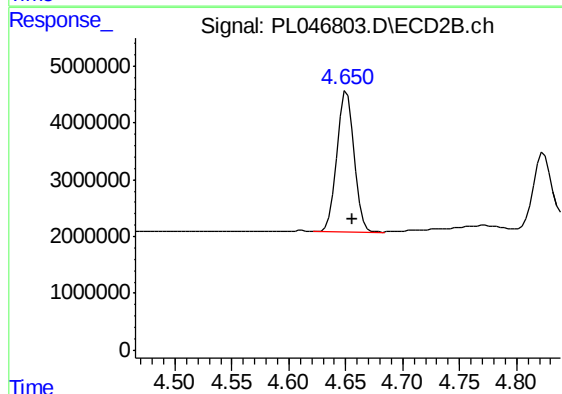
R.T.: 4.367 min  
Delta R.T.: -0.004 min  
Response: 26213424  
Conc: 8.16 ng/ml



#3 gamma-BHC (Lindane)

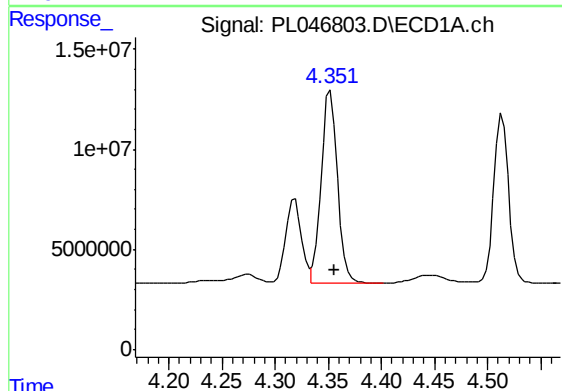
R.T.: 4.066 min  
Delta R.T.: -0.002 min  
Response: 91482426  
Conc: 8.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



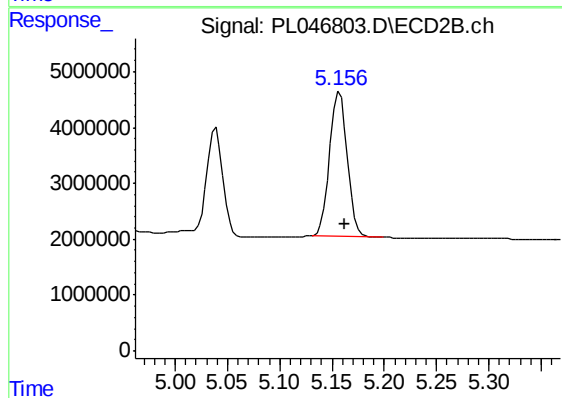
#3 gamma-BHC (Lindane)

R.T.: 4.651 min  
Delta R.T.: -0.005 min  
Response: 25616563  
Conc: 8.56 ng/ml



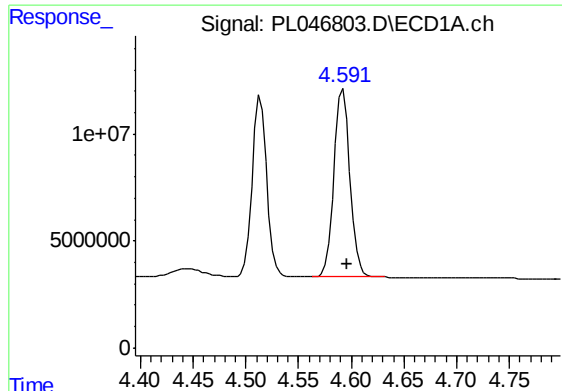
#4 Heptachlor

R.T.: 4.352 min  
Delta R.T.: -0.004 min  
Response: 102980431  
Conc: 9.34 ng/ml



#4 Heptachlor

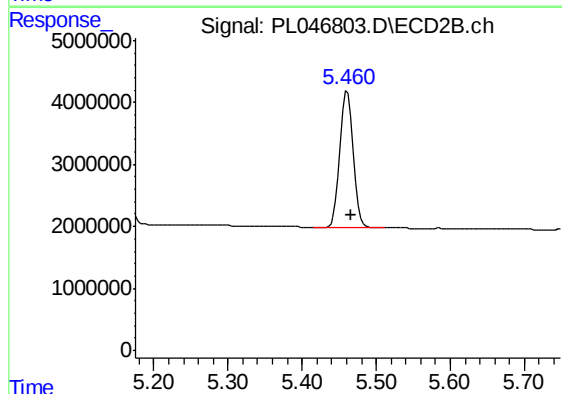
R.T.: 5.157 min  
Delta R.T.: -0.005 min  
Response: 30564285  
Conc: 9.94 ng/ml



#5 Aldrin

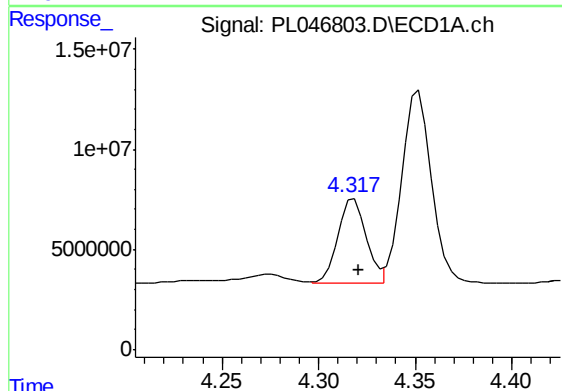
R.T.: 4.592 min  
Delta R.T.: -0.003 min  
Response: 92722351  
Conc: 8.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



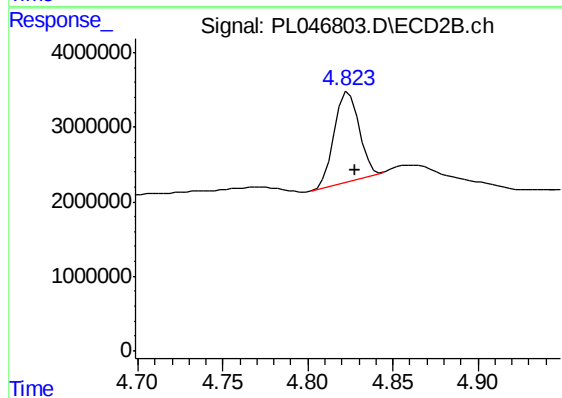
#5 Aldrin

R.T.: 5.461 min  
Delta R.T.: -0.005 min  
Response: 27000379  
Conc: 9.42 ng/ml



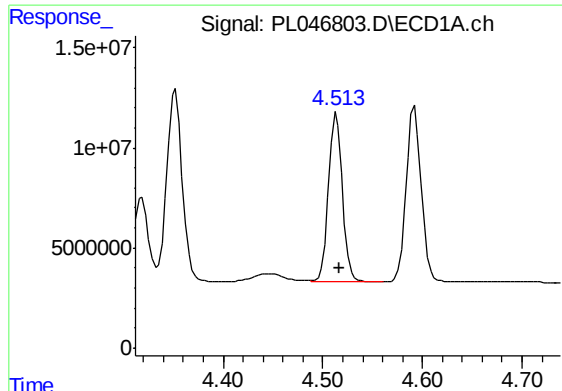
#6 beta-BHC

R.T.: 4.319 min  
Delta R.T.: -0.003 min  
Response: 42637466  
Conc: 9.47 ng/ml



#6 beta-BHC

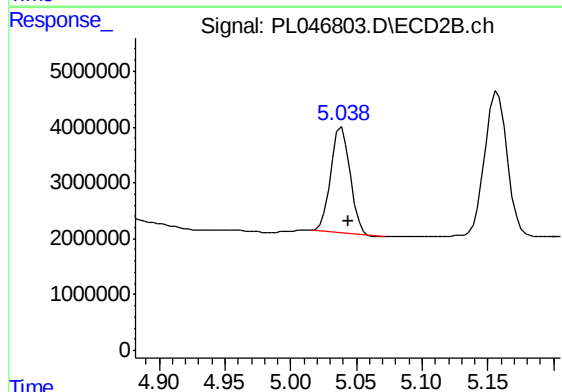
R.T.: 4.824 min  
Delta R.T.: -0.004 min  
Response: 12286601  
Conc: 9.27 ng/ml



#7 delta-BHC

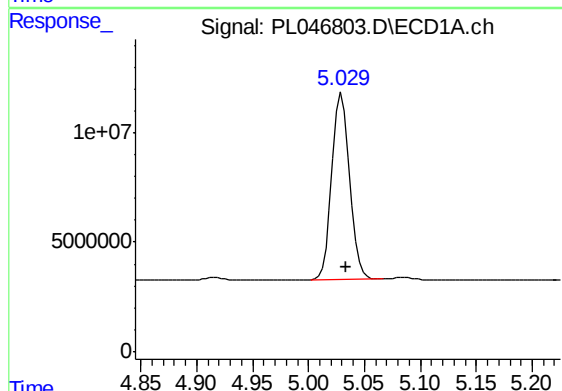
R.T.: 4.514 min  
Delta R.T.: -0.003 min  
Response: 80855219  
Conc: 7.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



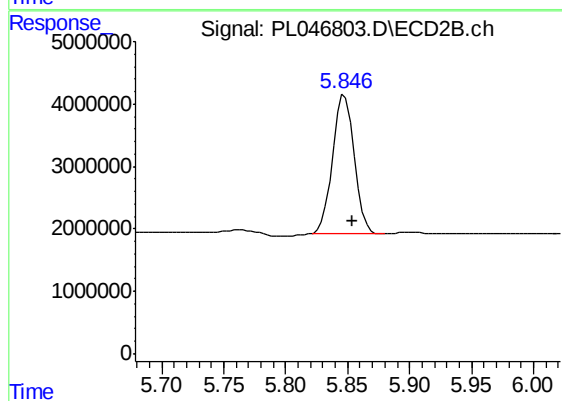
#7 delta-BHC

R.T.: 5.039 min  
Delta R.T.: -0.005 min  
Response: 19173440  
Conc: 8.26 ng/ml



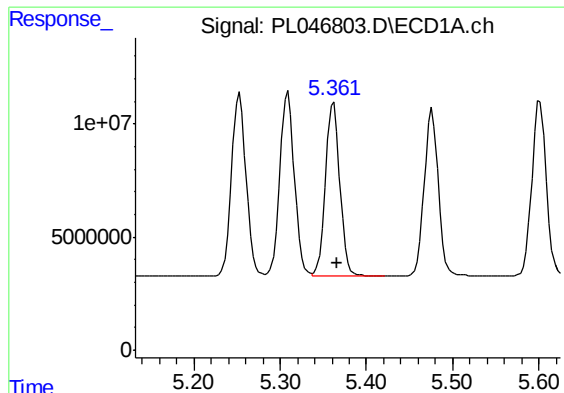
#8 Heptachlor epoxide

R.T.: 5.030 min  
Delta R.T.: -0.004 min  
Response: 93550702  
Conc: 9.59 ng/ml



#8 Heptachlor epoxide

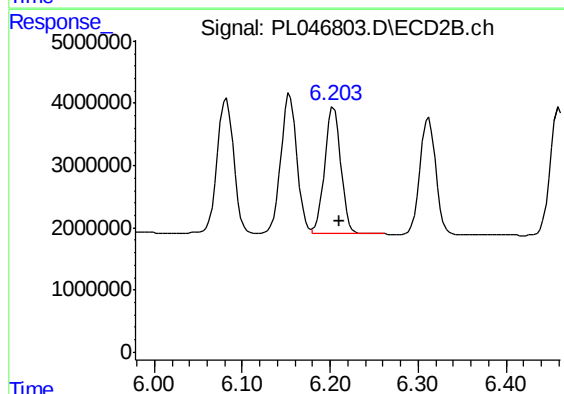
R.T.: 5.848 min  
Delta R.T.: -0.006 min  
Response: 27300334  
Conc: 10.35 ng/ml



#9 Endosulfan I

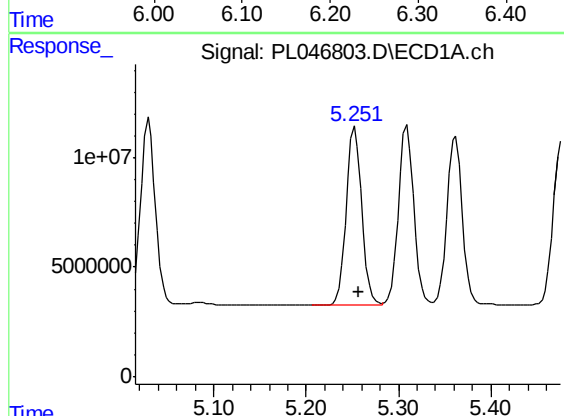
R.T.: 5.362 min  
Delta R.T.: -0.004 min  
Response: 88195572  
Conc: 9.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



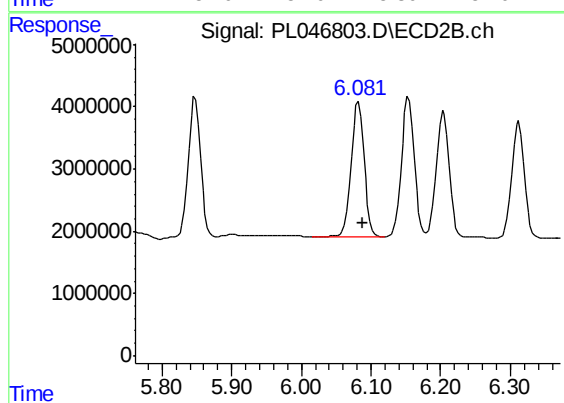
#9 Endosulfan I

R.T.: 6.204 min  
Delta R.T.: -0.006 min  
Response: 26243189  
Conc: 10.06 ng/ml



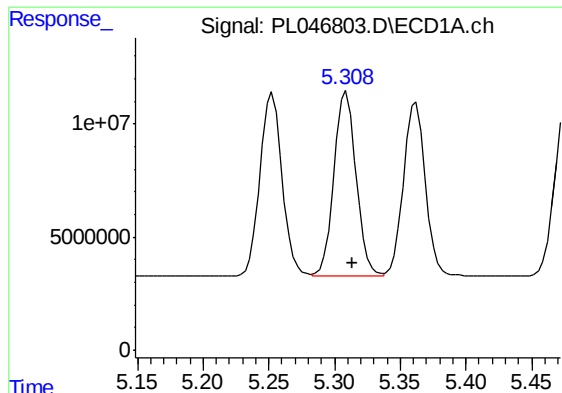
#10 gamma-Chlordane

R.T.: 5.253 min  
Delta R.T.: -0.004 min  
Response: 94688880  
Conc: 9.22 ng/ml



#10 gamma-Chlordane

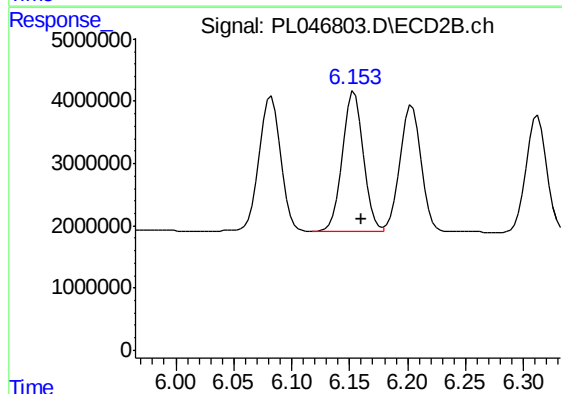
R.T.: 6.082 min  
Delta R.T.: -0.005 min  
Response: 28264629  
Conc: 9.96 ng/ml



#11 alpha-Chlordane

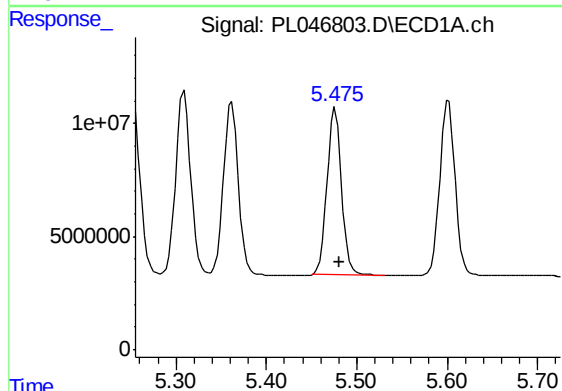
R.T.: 5.309 min  
Delta R.T.: -0.005 min  
Response: 95056719  
Conc: 9.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



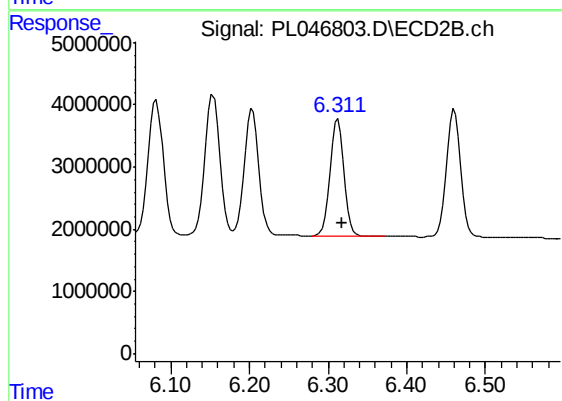
#11 alpha-Chlordane

R.T.: 6.154 min  
Delta R.T.: -0.006 min  
Response: 28621761  
Conc: 10.09 ng/ml



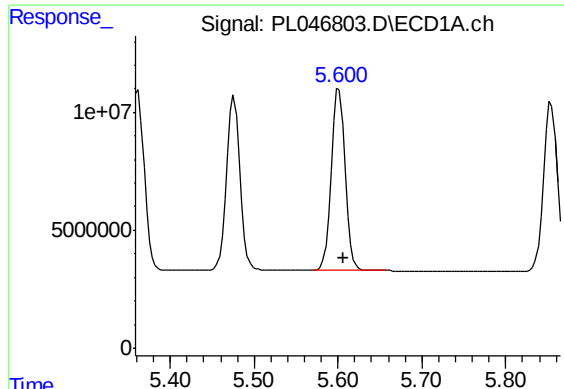
#12 4,4'-DDE

R.T.: 5.476 min  
Delta R.T.: -0.004 min  
Response: 82275610  
Conc: 8.94 ng/ml



#12 4,4'-DDE

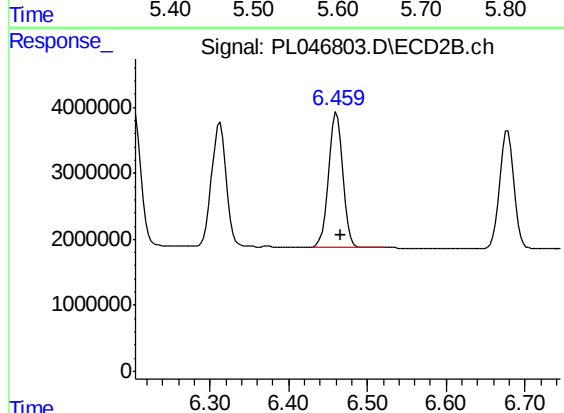
R.T.: 6.312 min  
Delta R.T.: -0.006 min  
Response: 23523727  
Conc: 9.48 ng/ml



#13 Dielddrin

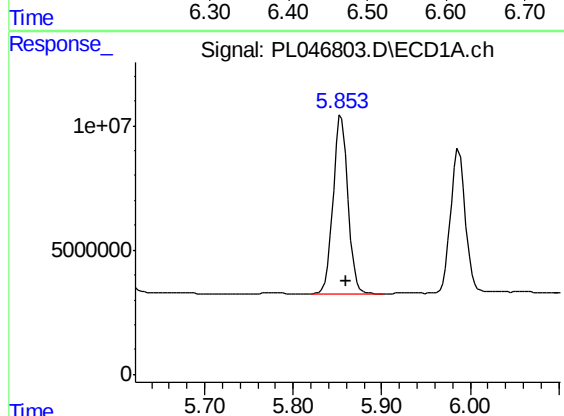
R.T.: 5.601 min  
Delta R.T.: -0.005 min  
Response: 89589483  
Conc: 8.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



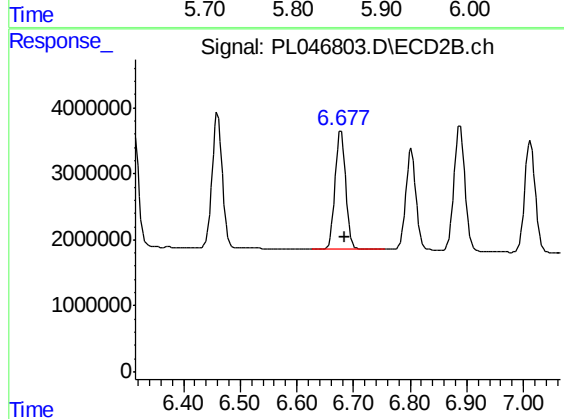
#13 Dielddrin

R.T.: 6.461 min  
Delta R.T.: -0.006 min  
Response: 26122762  
Conc: 9.64 ng/ml



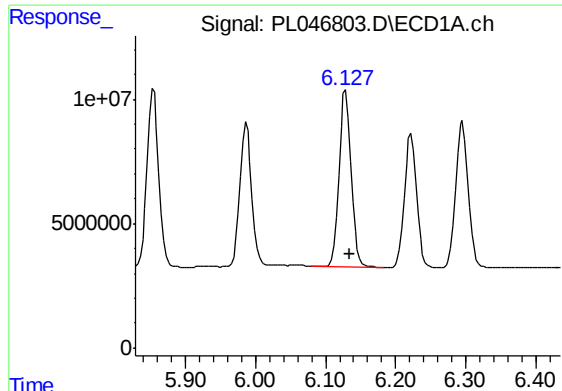
#14 Endrin

R.T.: 5.855 min  
Delta R.T.: -0.005 min  
Response: 83983517  
Conc: 8.92 ng/ml



#14 Endrin

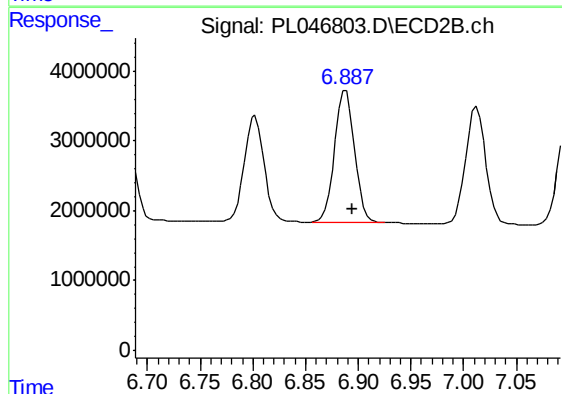
R.T.: 6.678 min  
Delta R.T.: -0.006 min  
Response: 23301717  
Conc: 9.75 ng/ml



#15 Endosulfan II

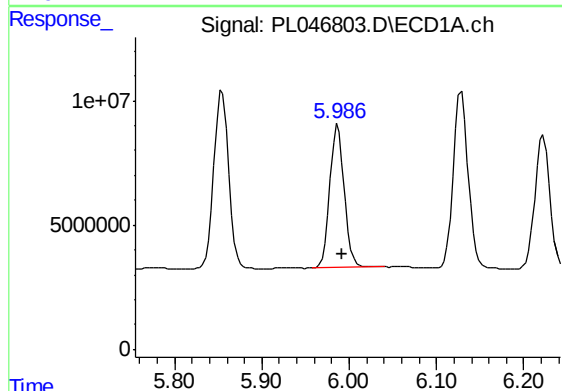
R.T.: 6.129 min  
Delta R.T.: -0.005 min  
Response: 84023419  
Conc: 9.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



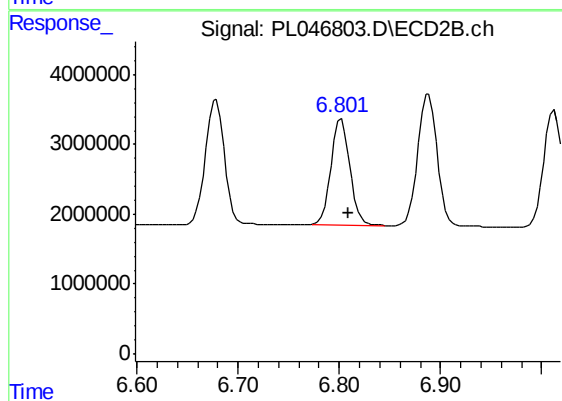
#15 Endosulfan II

R.T.: 6.888 min  
Delta R.T.: -0.006 min  
Response: 24989087  
Conc: 10.36 ng/ml



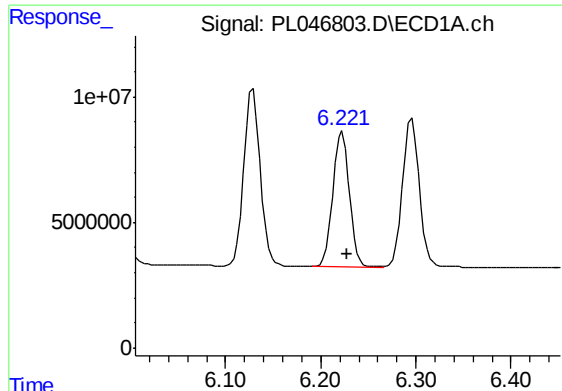
#16 4,4'-DDD

R.T.: 5.987 min  
Delta R.T.: -0.005 min  
Response: 66756643  
Conc: 8.83 ng/ml



#16 4,4'-DDD

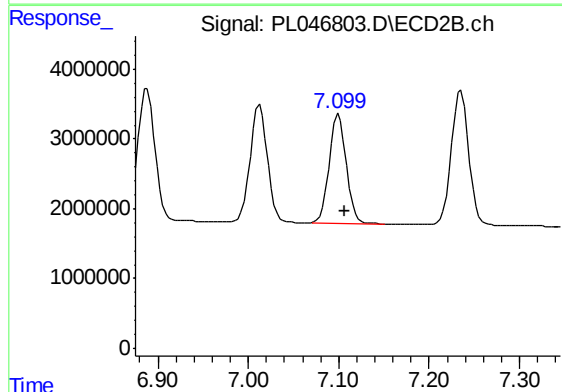
R.T.: 6.802 min  
Delta R.T.: -0.006 min  
Response: 19569116  
Conc: 9.73 ng/ml



#17 4,4'-DDT

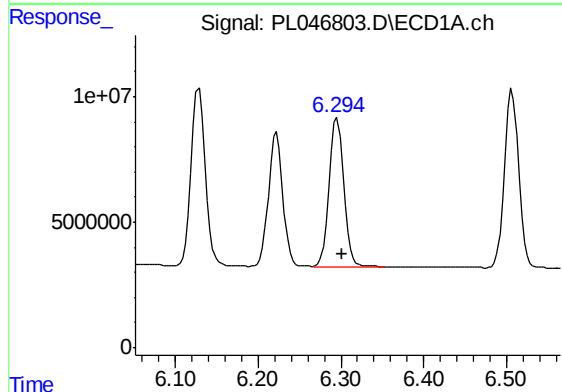
R.T.: 6.222 min  
Delta R.T.: -0.005 min  
Response: 65211091  
Conc: 8.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



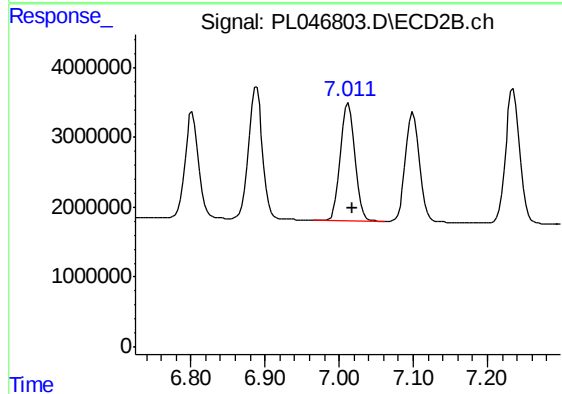
#17 4,4'-DDT

R.T.: 7.100 min  
Delta R.T.: -0.007 min  
Response: 20434515  
Conc: 9.74 ng/ml



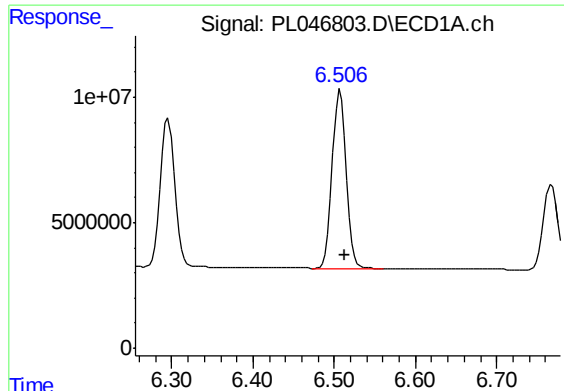
#18 Endrin aldehyde

R.T.: 6.296 min  
Delta R.T.: -0.006 min  
Response: 72812477  
Conc: 9.71 ng/ml



#18 Endrin aldehyde

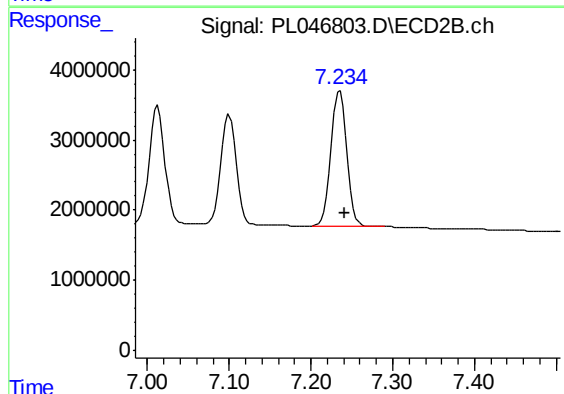
R.T.: 7.013 min  
Delta R.T.: -0.006 min  
Response: 22391666  
Conc: 10.54 ng/ml



#19 Endosulfan Sulfate

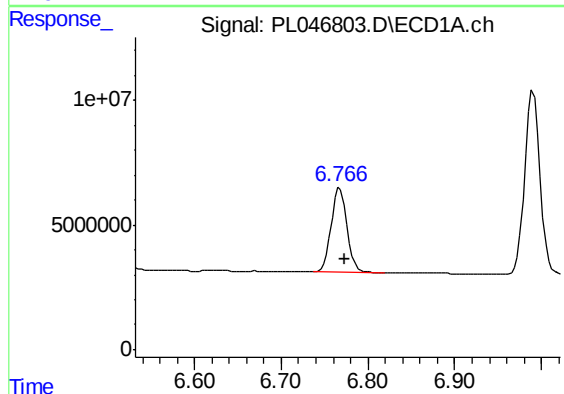
R.T.: 6.507 min  
Delta R.T.: -0.006 min  
Response: 84947880  
Conc: 10.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



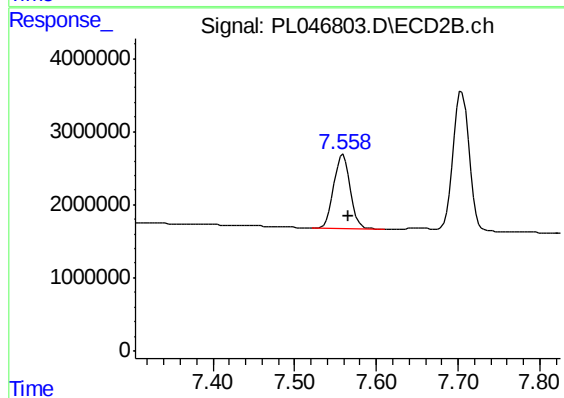
#19 Endosulfan Sulfate

R.T.: 7.235 min  
Delta R.T.: -0.006 min  
Response: 25928062  
Conc: 10.99 ng/ml



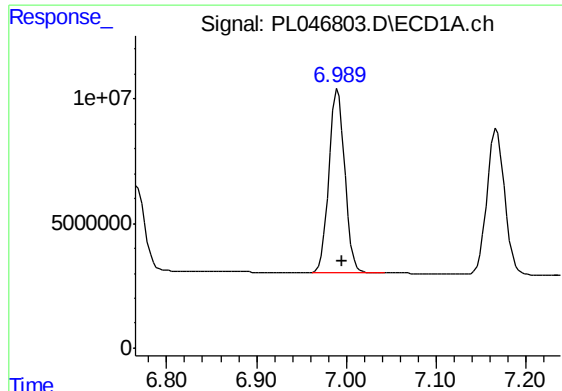
#20 Methoxychlor

R.T.: 6.768 min  
Delta R.T.: -0.006 min  
Response: 43303227  
Conc: 10.19 ng/ml



#20 Methoxychlor

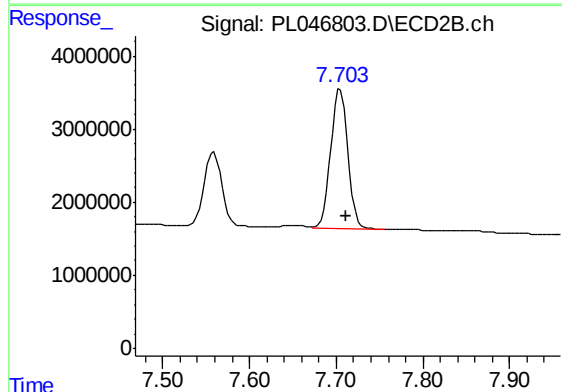
R.T.: 7.559 min  
Delta R.T.: -0.006 min  
Response: 14066657  
Conc: 11.03 ng/ml



#21 Endrin ketone

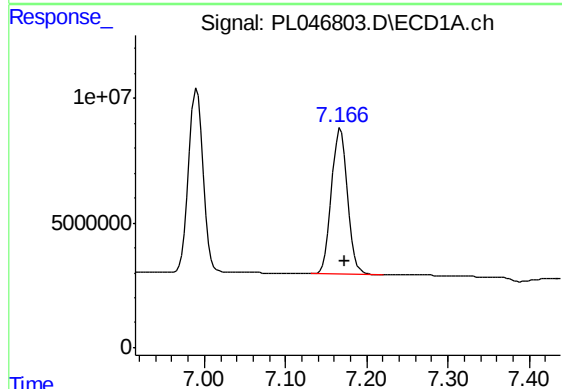
R.T.: 6.991 min  
Delta R.T.: -0.005 min  
Response: 90575496  
Conc: 9.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



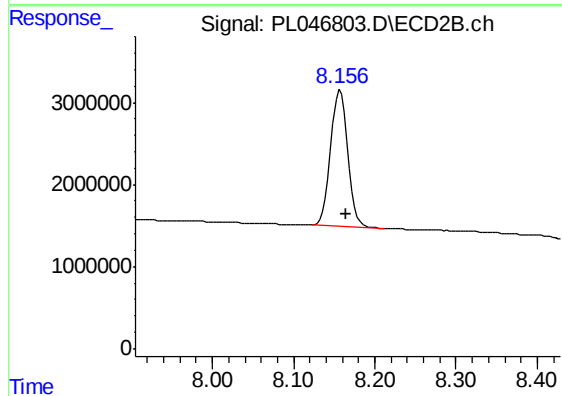
#21 Endrin ketone

R.T.: 7.705 min  
Delta R.T.: -0.007 min  
Response: 26121041  
Conc: 10.51 ng/ml



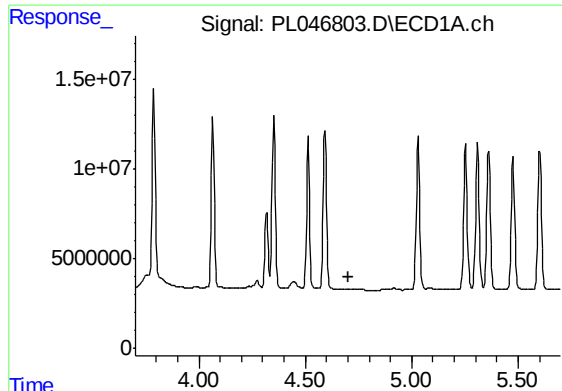
#22 Mirex

R.T.: 7.168 min  
Delta R.T.: -0.006 min  
Response: 80193803  
Conc: 11.01 ng/ml



#22 Mirex

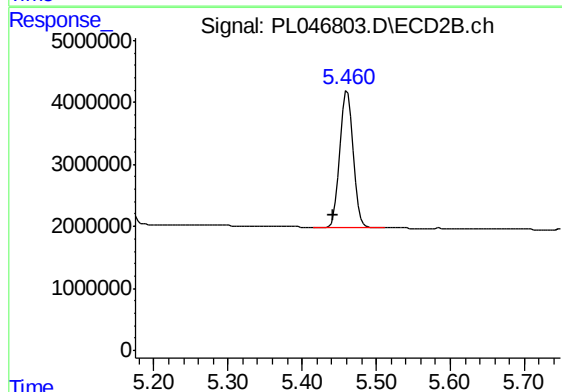
R.T.: 8.157 min  
Delta R.T.: -0.008 min  
Response: 24229892  
Conc: 12.11 ng/ml



#24 Chlordane-2

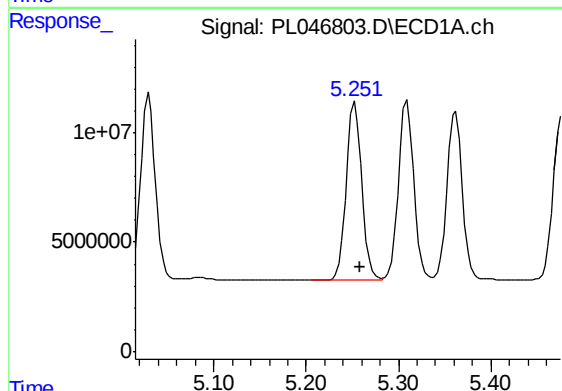
R.T.: 0.000 min  
Exp R.T.: 4.701 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



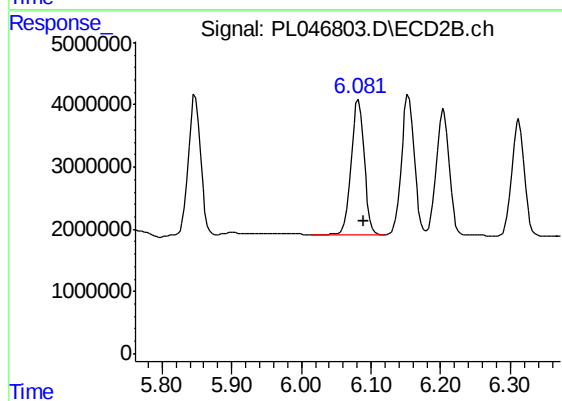
#24 Chlordane-2

R.T.: 5.461 min  
Delta R.T.: 0.019 min  
Response: 27000379  
Conc: 231.15 ng/ml



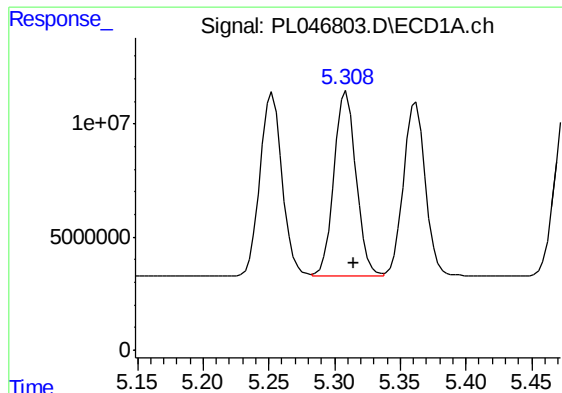
#25 Chlordane-3

R.T.: 5.253 min  
Delta R.T.: -0.005 min  
Response: 94688880  
Conc: 85.02 ng/ml



#25 Chlordane-3

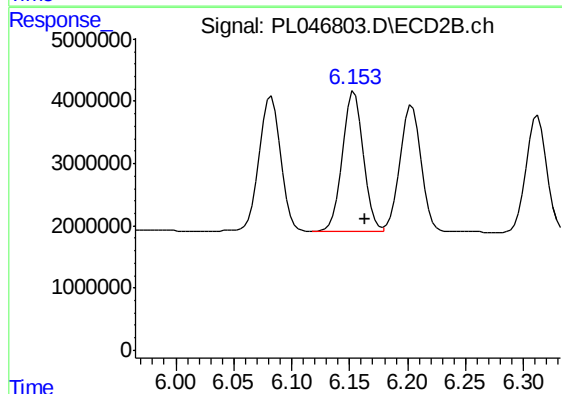
R.T.: 6.082 min  
Delta R.T.: -0.007 min  
Response: 28264629  
Conc: 74.13 ng/ml



#26 Chlordane-4

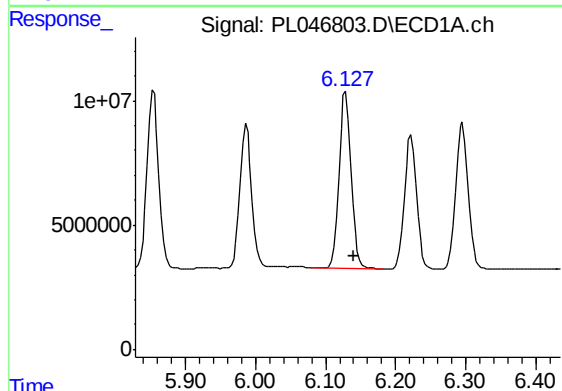
R.T.: 5.309 min  
Delta R.T.: -0.005 min  
Response: 95056719  
Conc: 91.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



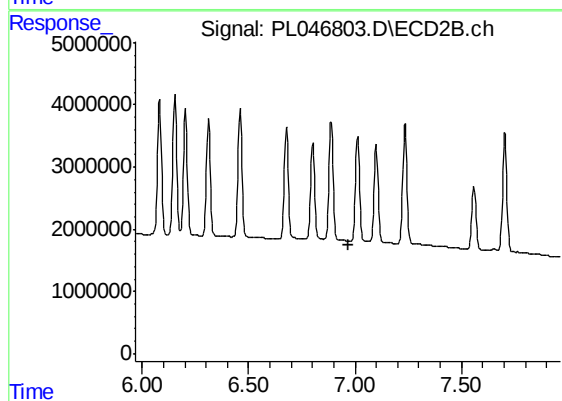
#26 Chlordane-4

R.T.: 6.154 min  
Delta R.T.: -0.009 min  
Response: 28621761  
Conc: 62.03 ng/ml



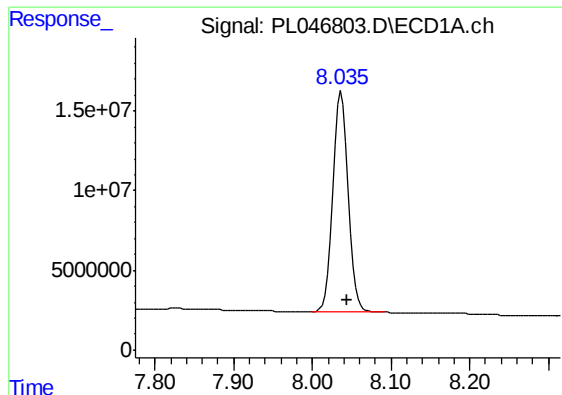
#27 Chlordane-5

R.T.: 6.129 min  
Delta R.T.: -0.011 min  
Response: 84023419  
Conc: 246.21 ng/ml



#27 Chlordane-5

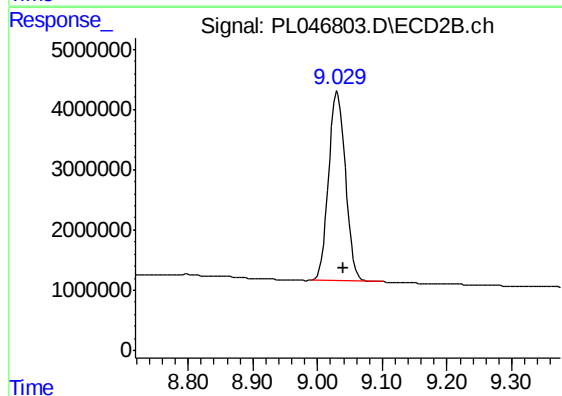
R.T.: 0.000 min  
Exp R.T. : 6.967 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.037 min  
Delta R.T.: -0.007 min  
Response: 191110108  
Conc: 22.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT1-2019



#28 Decachlorobiphenyl

R.T.: 9.031 min  
Delta R.T.: -0.009 min  
Response: 56730372  
Conc: 24.47 ng/ml