

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022023\  
 Data File : PL081022.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2023 13:01  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 20 17:11:13 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL022023.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Feb 20 15:51:47 2023  
 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... | 3.352 | 2.688  | 43522022 | 42648191 | 18.671  | 18.533  |
| 28)                         | SA Decachlor... | 8.793 | 7.834  | 38778348 | 45552030 | 19.834  | 19.445  |
| Target Compounds            |                 |       |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.801 | 3.188  | 29808609 | 27945603 | 8.458   | 8.345   |
| 3)                          | MA gamma-BHC... | 4.129 | 3.517  | 29125494 | 26850729 | 8.843   | 8.548   |
| 4)                          | MA Heptachlor   | 0.000 | 3.878f | 0        | 10925    | N.D.    | 0.003 # |
| 5)                          | MB Aldrin       | 0.000 | 4.144  | 0        | 399378   | N.D.    | 0.130 # |
| 6)                          | B beta-BHC      | 4.326 | 3.813  | 14949668 | 12737491 | 10.003  | 9.467   |
| 7)                          | B delta-BHC     | 4.568 | 4.041  | 947337   | 105163   | 0.295   | 0.035 # |
| 8)                          | B Heptachlo...  | 5.479 | 4.618f | 1084986  | 17088    | 0.390   | 0.006 # |
| 9)                          | A Endosulfan I  | 5.853 | 5.009  | 535663   | 90405    | 0.206   | 0.034 # |
| 10)                         | B gamma-Chl...  | 0.000 | 4.899  | 0        | 82353    | N.D.    | 0.028 # |
| 11)                         | B alpha-Chl...  | 0.000 | 4.953  | 0        | 48280    | N.D.    | 0.017 # |
| 12)                         | B 4,4'-DDE      | 0.000 | 5.150  | 0        | 239080   | N.D.    | 0.100 # |
| 13)                         | MA Dieldrin     | 0.000 | 5.277  | 0        | 130628   | N.D.    | 0.047 # |
| 14)                         | MA Endrin       | 6.361 | 5.548  | 101.9E6  | 107.7E6  | 43.057  | 43.552  |
| 15)                         | B Endosulfa...  | 6.569 | 5.863f | 4178614  | -2736717 | 1.882   | N.D. #  |
| 16)                         | A 4,4'-DDD      | 6.506 | 5.701  | 489781   | 507737   | 0.242   | 0.267   |
| 17)                         | MA 4,4'-DDT     | 6.817 | 5.952  | 208.6E6  | 209.8E6  | 92.309  | 96.759  |
| 18)                         | B Endrin al...  | 6.710 | 6.023  | 2436879  | 4687712  | 1.340   | 2.541 # |
| 19)                         | B Endosulfa...  | 0.000 | 6.237  | 0        | 289086   | N.D.    | 0.122 # |
| 20)                         | A Methoxychlor  | 7.295 | 6.530  | 273.7E6  | 272.4E6  | 223.083 | 226.956 |
| 21)                         | B Endrin ke...  | 7.423 | 6.750  | 3533602  | 5168736  | 1.484   | 1.974 # |
| 22)                         | Mirex           | 0.000 | 6.955f | 0        | 38608    | N.D.    | 0.017 # |
| 23)                         | Chlordane-1     | 0.000 | 3.674  | 0        | 32216    | N.D.    | 0.395 # |
| 25)                         | Chlordane-3     | 0.000 | 4.899  | 0        | 82353    | N.D.    | 0.313 # |
| 26)                         | Chlordane-4     | 0.000 | 4.953  | 0        | 48280    | N.D.    | 0.180 # |
| -----                       |                 |       |        |          |          |         |         |

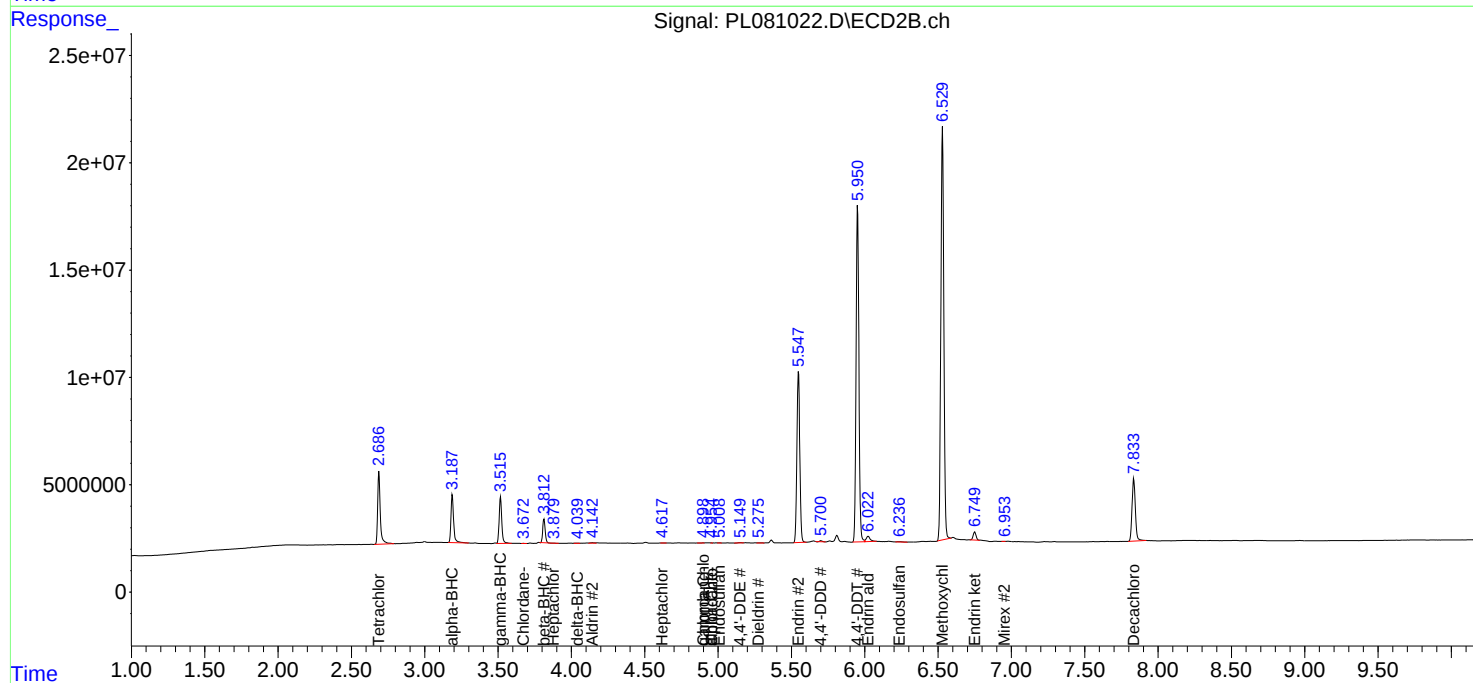
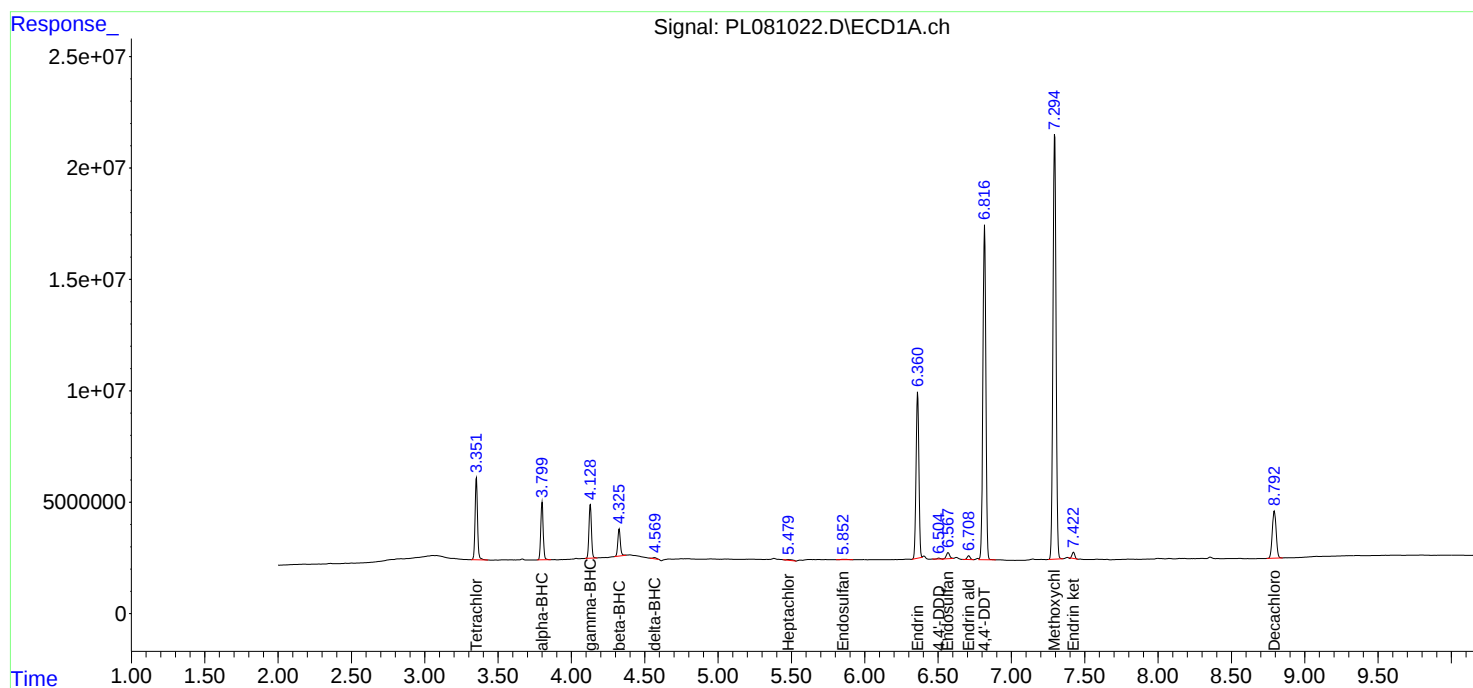
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

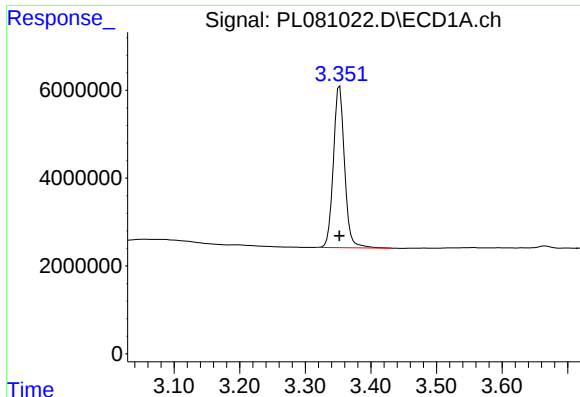
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022023\  
Data File : PL081022.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Feb 2023 13:01  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 20 17:11:13 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL022023.M  
Quant Title : GC Extractables  
QLast Update : Mon Feb 20 15:51:47 2023  
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

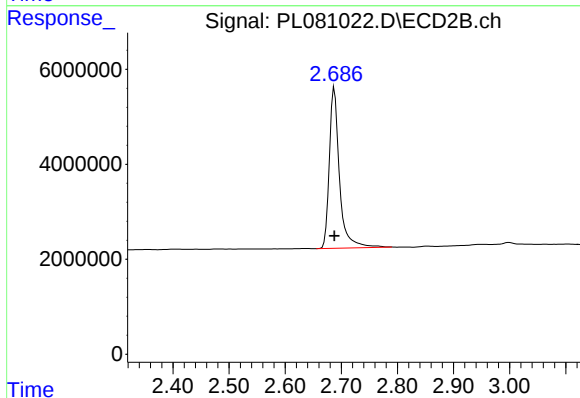




#1 Tetrachloro-m-xylene

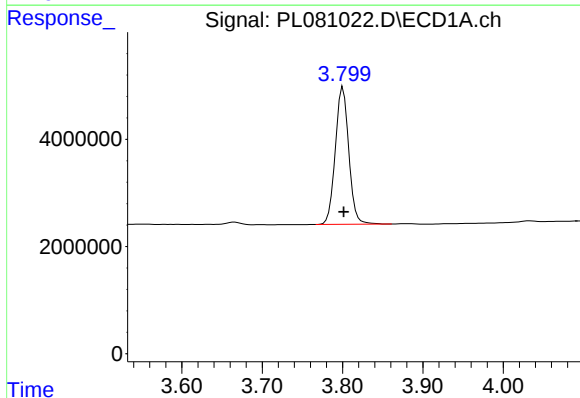
R.T.: 3.352 min  
Delta R.T.: 0.000 min  
Response: 43522022  
Conc: 18.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



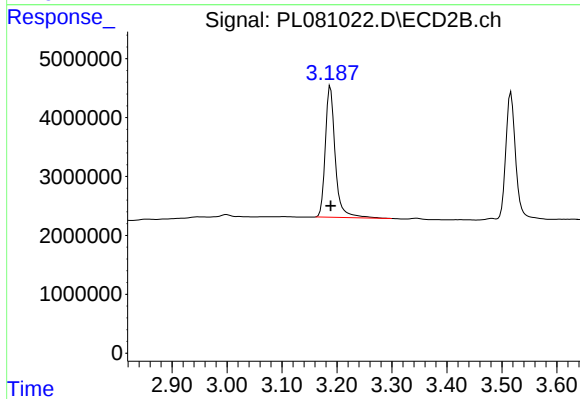
#1 Tetrachloro-m-xylene

R.T.: 2.688 min  
Delta R.T.: 0.000 min  
Response: 42648191  
Conc: 18.53 ng/ml



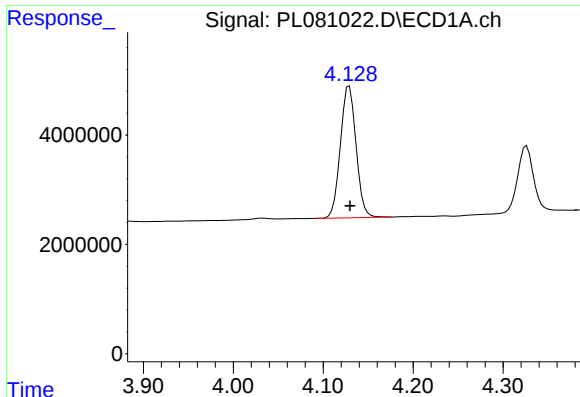
#2 alpha-BHC

R.T.: 3.801 min  
Delta R.T.: 0.000 min  
Response: 29808609  
Conc: 8.46 ng/ml



#2 alpha-BHC

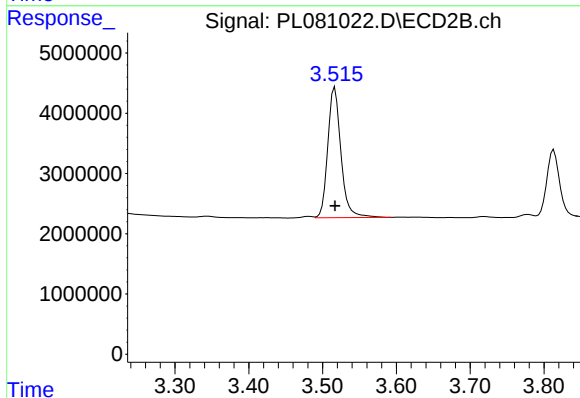
R.T.: 3.188 min  
Delta R.T.: 0.000 min  
Response: 27945603  
Conc: 8.34 ng/ml



#3 gamma-BHC (Lindane)

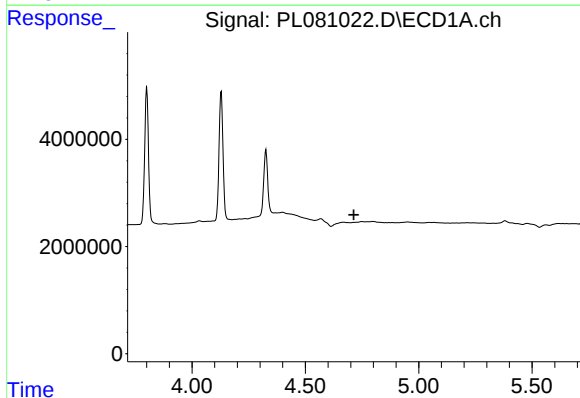
R.T.: 4.129 min  
Delta R.T.: 0.000 min  
Response: 29125494  
Conc: 8.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



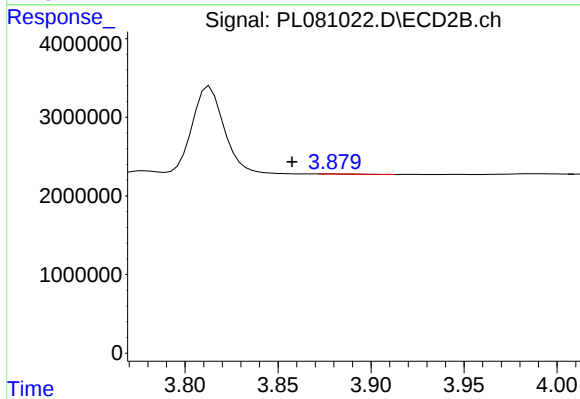
#3 gamma-BHC (Lindane)

R.T.: 3.517 min  
Delta R.T.: 0.000 min  
Response: 26850729  
Conc: 8.55 ng/ml



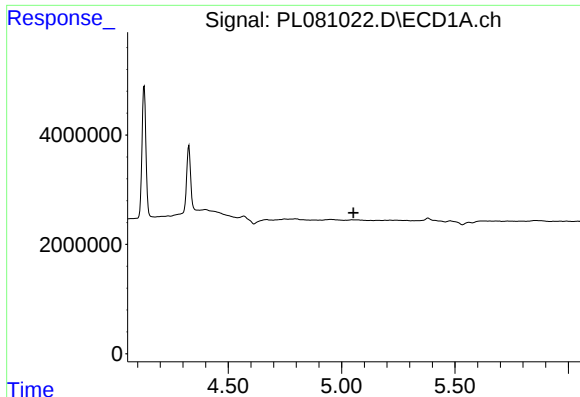
#4 Heptachlor

R.T.: 0.000 min  
Exp R.T. : 4.714 min  
Response: 0  
Conc: N.D.



#4 Heptachlor

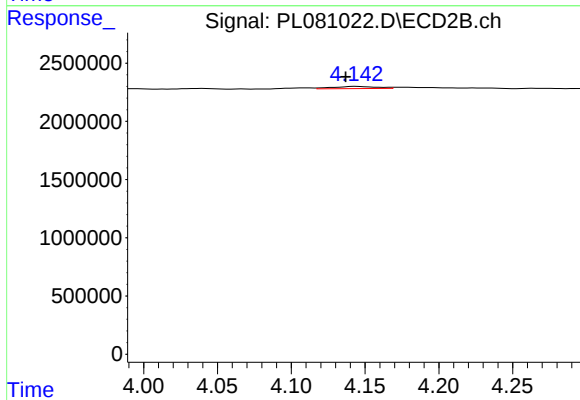
R.T.: 3.878 min  
Delta R.T.: 0.020 min  
Response: 10925  
Conc: 0.00 ng/ml



#5 Aldrin

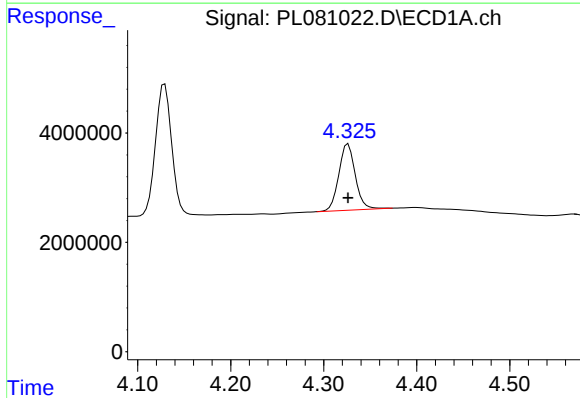
R.T.: 0.000 min  
Exp R.T.: 5.052 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



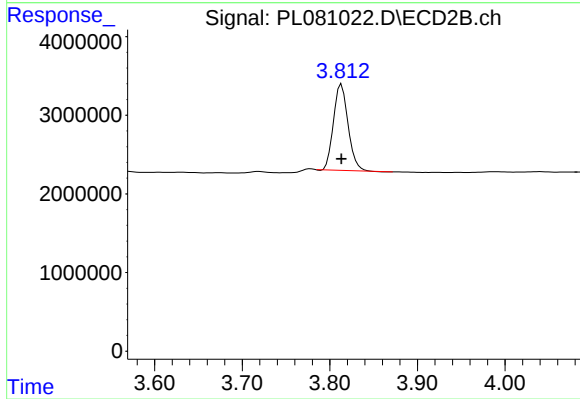
#5 Aldrin

R.T.: 4.144 min  
Delta R.T.: 0.007 min  
Response: 399378  
Conc: 0.13 ng/ml



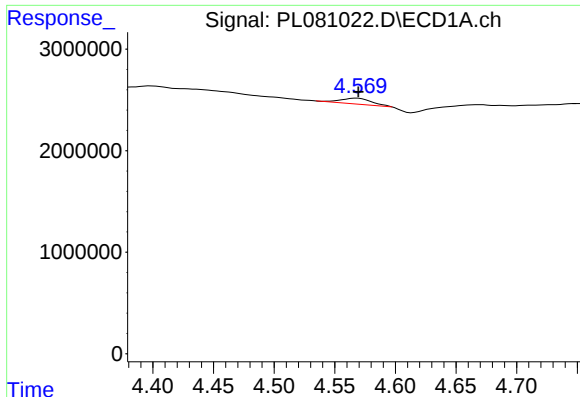
#6 beta-BHC

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 14949668  
Conc: 10.00 ng/ml



#6 beta-BHC

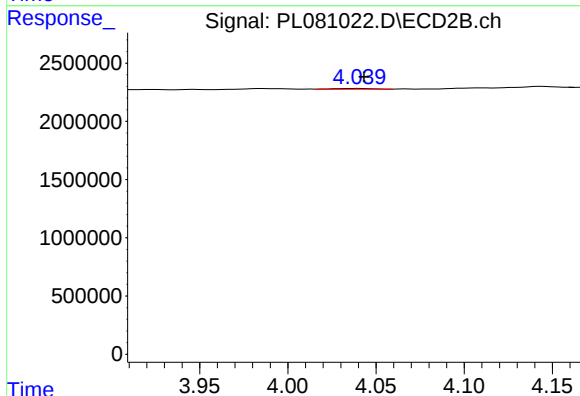
R.T.: 3.813 min  
Delta R.T.: 0.000 min  
Response: 12737491  
Conc: 9.47 ng/ml



#7 delta-BHC

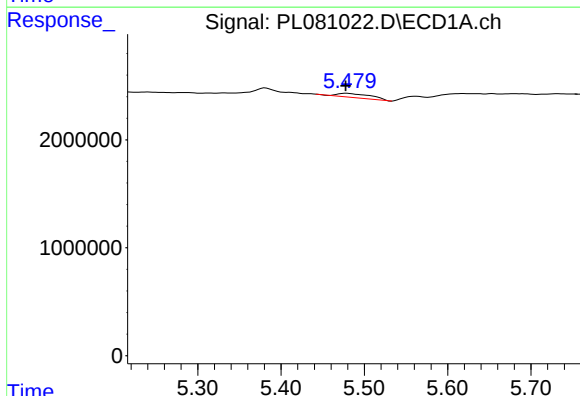
R.T.: 4.568 min  
Delta R.T.: -0.001 min  
Response: 947337  
Conc: 0.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



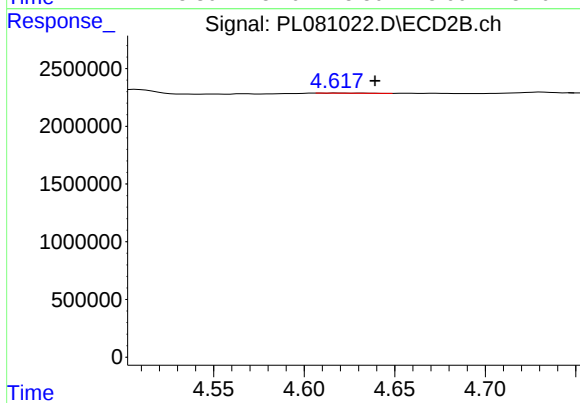
#7 delta-BHC

R.T.: 4.041 min  
Delta R.T.: -0.002 min  
Response: 105163  
Conc: 0.03 ng/ml



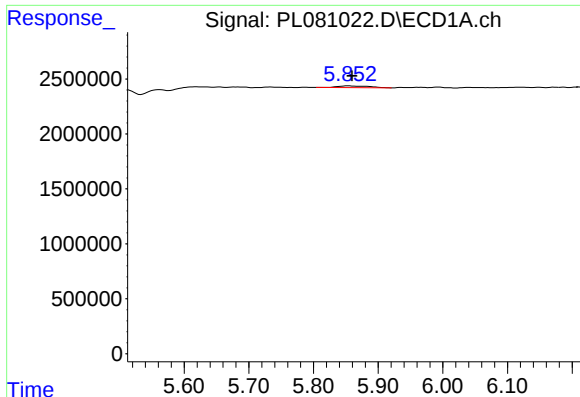
#8 Heptachlor epoxide

R.T.: 5.479 min  
Delta R.T.: 0.001 min  
Response: 1084986  
Conc: 0.39 ng/ml



#8 Heptachlor epoxide

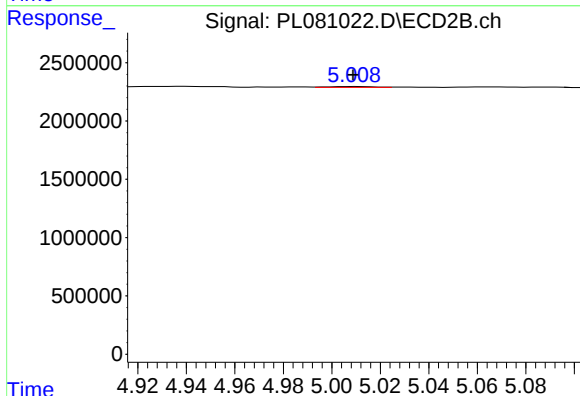
R.T.: 4.618 min  
Delta R.T.: -0.021 min  
Response: 17088  
Conc: 0.01 ng/ml



#9 Endosulfan I

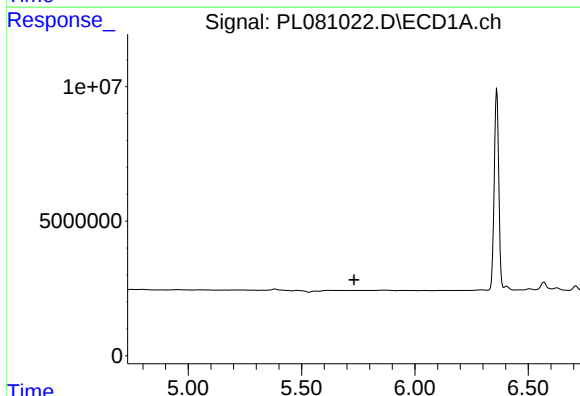
R.T.: 5.853 min  
Delta R.T.: -0.007 min  
Response: 535663  
Conc: 0.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



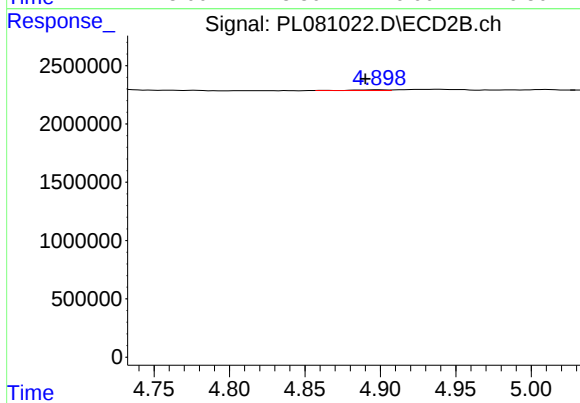
#9 Endosulfan I

R.T.: 5.009 min  
Delta R.T.: 0.000 min  
Response: 90405  
Conc: 0.03 ng/ml



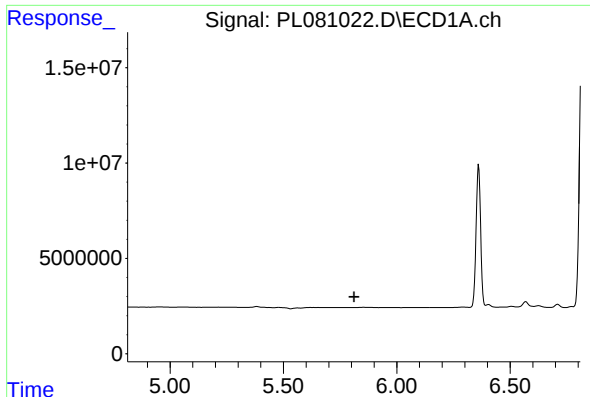
#10 gamma-Chlordane

R.T.: 0.000 min  
Exp R.T. : 5.732 min  
Response: 0  
Conc: N.D.



#10 gamma-Chlordane

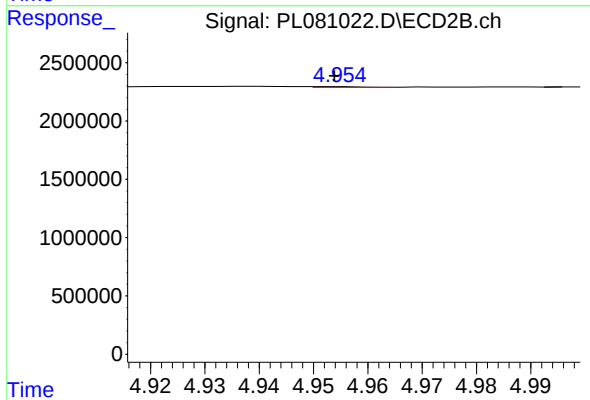
R.T.: 4.899 min  
Delta R.T.: 0.009 min  
Response: 82353  
Conc: 0.03 ng/ml



#11 alpha-Chlordane

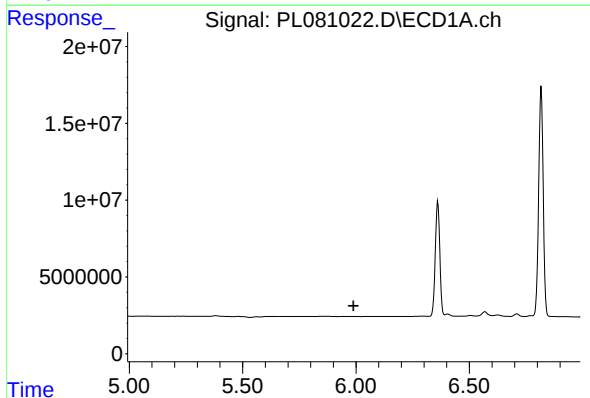
R.T.: 0.000 min  
Exp R.T.: 5.812 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



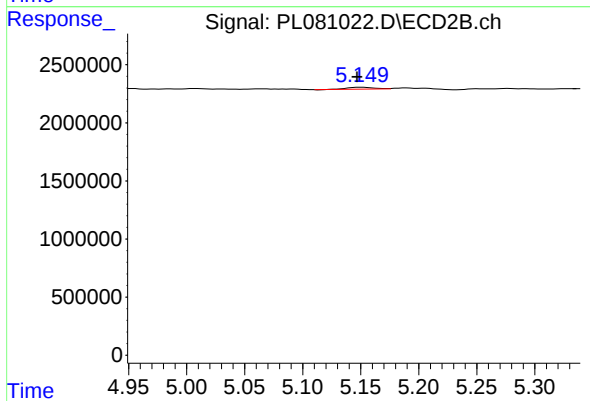
#11 alpha-Chlordane

R.T.: 4.953 min  
Delta R.T.: 0.000 min  
Response: 48280  
Conc: 0.02 ng/ml



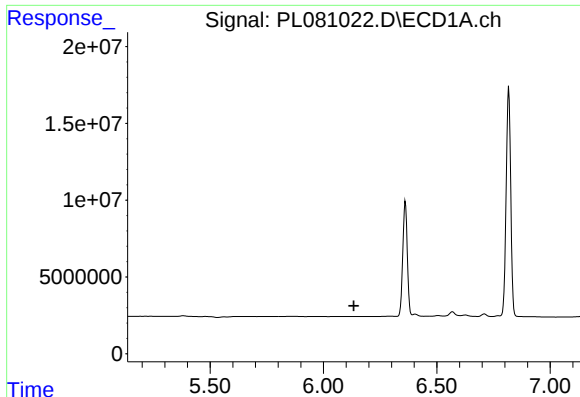
#12 4,4'-DDE

R.T.: 0.000 min  
Exp R.T.: 5.989 min  
Response: 0  
Conc: N.D.



#12 4,4'-DDE

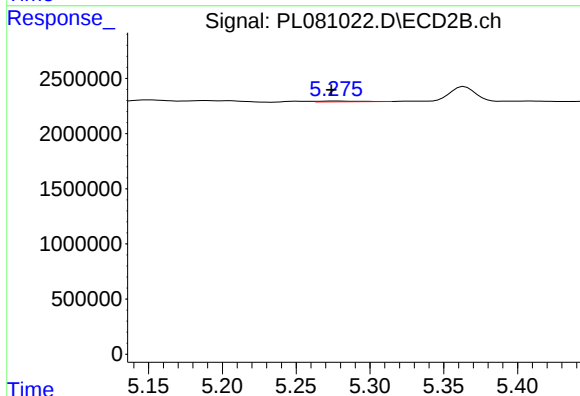
R.T.: 5.150 min  
Delta R.T.: 0.004 min  
Response: 239080  
Conc: 0.10 ng/ml



#13 Dieldrin

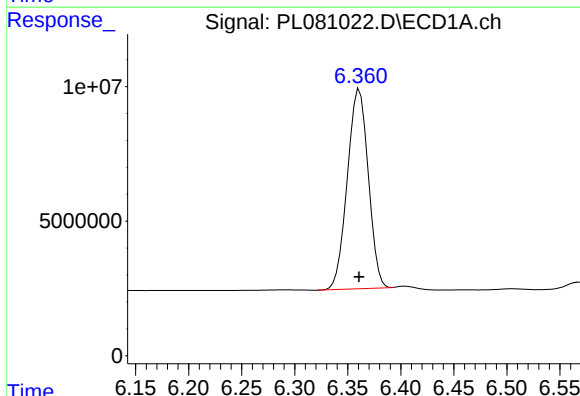
R.T.: 0.000 min  
Exp R.T.: 6.134 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



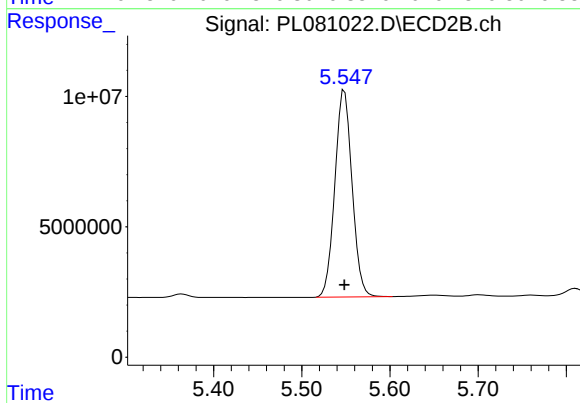
#13 Dieldrin

R.T.: 5.277 min  
Delta R.T.: 0.003 min  
Response: 130628  
Conc: 0.05 ng/ml



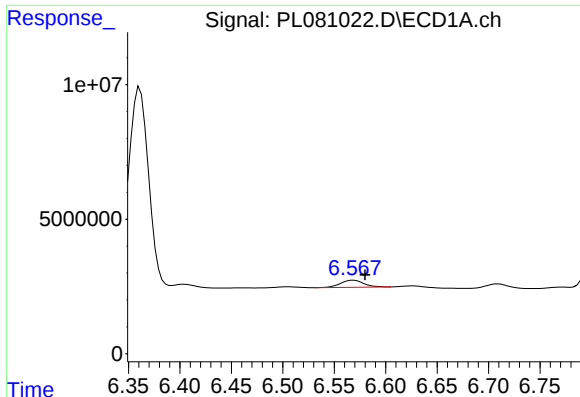
#14 Endrin

R.T.: 6.361 min  
Delta R.T.: 0.000 min  
Response: 101936619  
Conc: 43.06 ng/ml



#14 Endrin

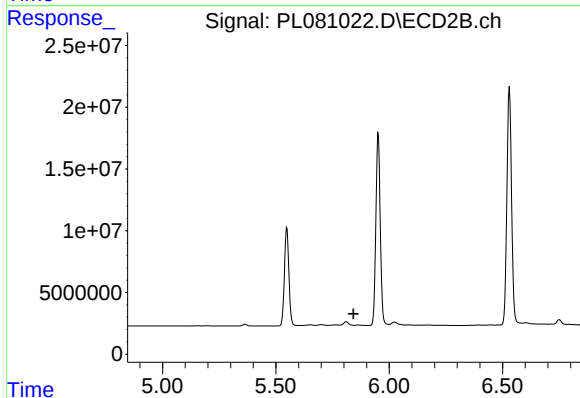
R.T.: 5.548 min  
Delta R.T.: 0.000 min  
Response: 107683240  
Conc: 43.55 ng/ml



#15 Endosulfan II

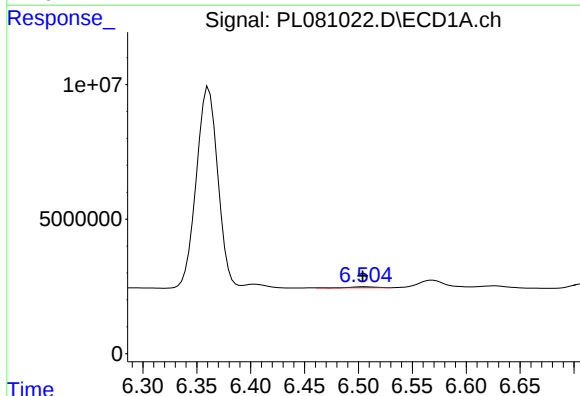
R.T.: 6.569 min  
Delta R.T.: -0.011 min  
Response: 4178614  
Conc: 1.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



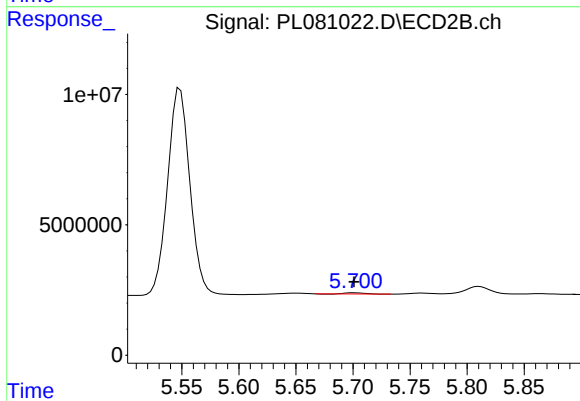
#15 Endosulfan II

R.T.: 5.863 min  
Delta R.T.: 0.020 min  
Response: -2736717  
Conc: N.D.



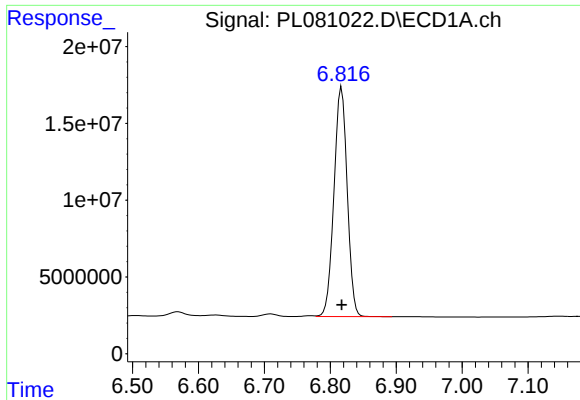
#16 4,4'-DDD

R.T.: 6.506 min  
Delta R.T.: 0.002 min  
Response: 489781  
Conc: 0.24 ng/ml



#16 4,4'-DDD

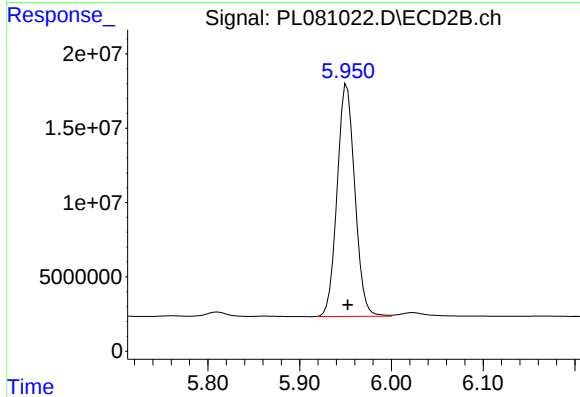
R.T.: 5.701 min  
Delta R.T.: 0.000 min  
Response: 507737  
Conc: 0.27 ng/ml



#17 4,4'-DDT

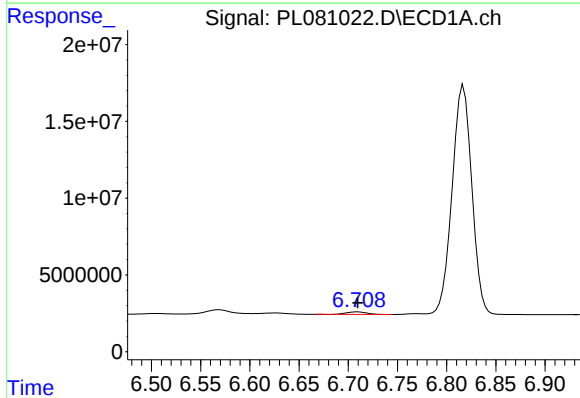
R.T.: 6.817 min  
Delta R.T.: 0.000 min  
Response: 208560225  
Conc: 92.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



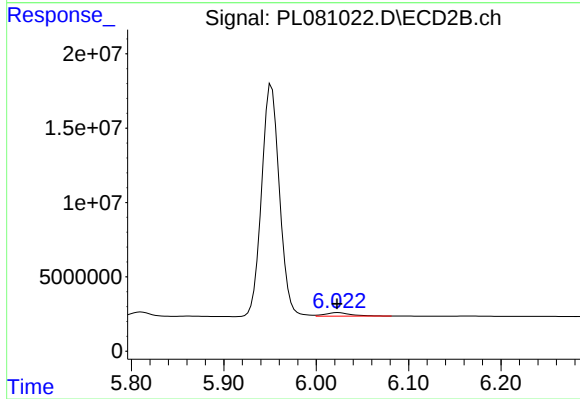
#17 4,4'-DDT

R.T.: 5.952 min  
Delta R.T.: 0.000 min  
Response: 209783287  
Conc: 96.76 ng/ml



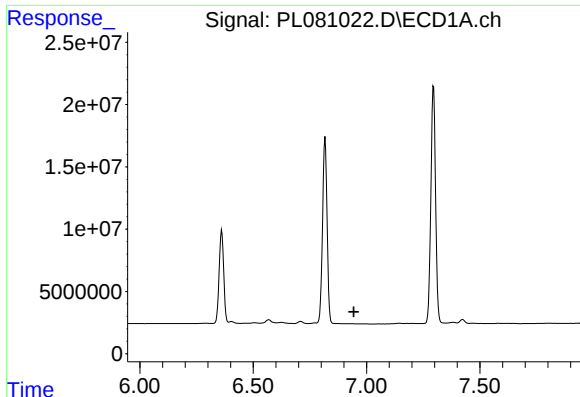
#18 Endrin aldehyde

R.T.: 6.710 min  
Delta R.T.: 0.000 min  
Response: 2436879  
Conc: 1.34 ng/ml



#18 Endrin aldehyde

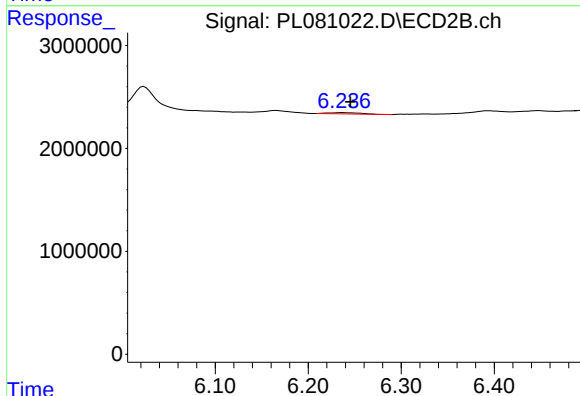
R.T.: 6.023 min  
Delta R.T.: 0.000 min  
Response: 4687712  
Conc: 2.54 ng/ml



#19 Endosulfan Sulfate

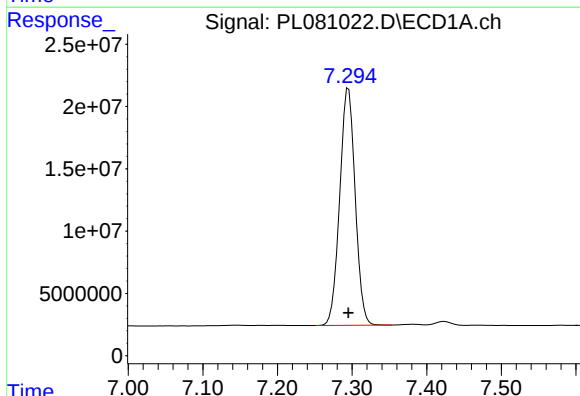
R.T.: 0.000 min  
Exp R.T.: 6.944 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



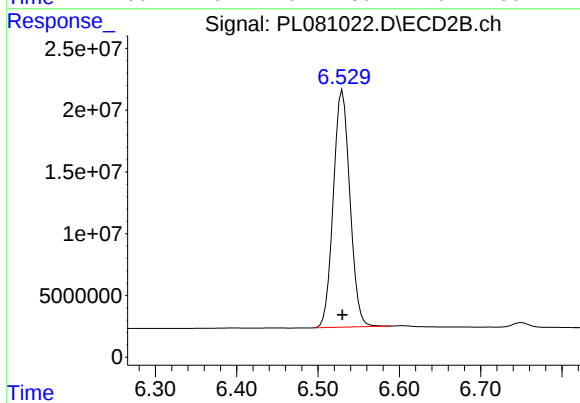
#19 Endosulfan Sulfate

R.T.: 6.237 min  
Delta R.T.: -0.008 min  
Response: 289086  
Conc: 0.12 ng/ml



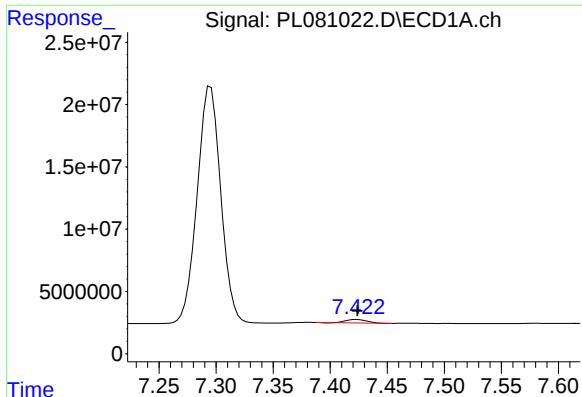
#20 Methoxychlor

R.T.: 7.295 min  
Delta R.T.: 0.000 min  
Response: 273743470  
Conc: 223.08 ng/ml



#20 Methoxychlor

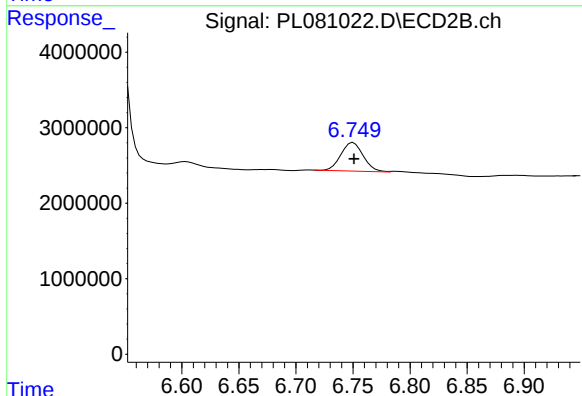
R.T.: 6.530 min  
Delta R.T.: 0.000 min  
Response: 272406619  
Conc: 226.96 ng/ml



#21 Endrin ketone

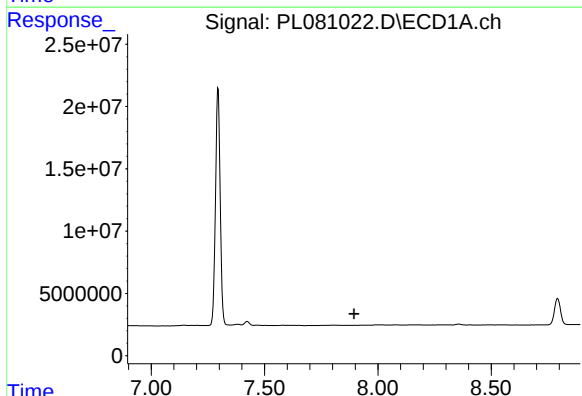
R.T.: 7.423 min  
Delta R.T.: 0.000 min  
Response: 3533602  
Conc: 1.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



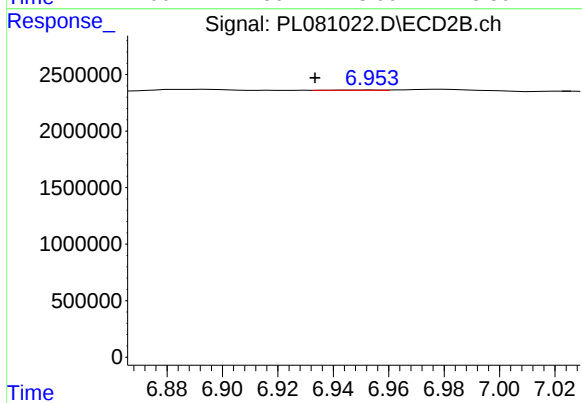
#21 Endrin ketone

R.T.: 6.750 min  
Delta R.T.: 0.000 min  
Response: 5168736  
Conc: 1.97 ng/ml



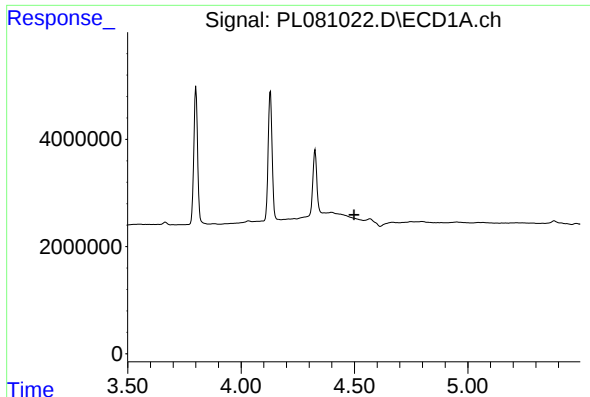
#22 Mirex

R.T.: 0.000 min  
Exp R.T. : 7.895 min  
Response: 0  
Conc: N.D.



#22 Mirex

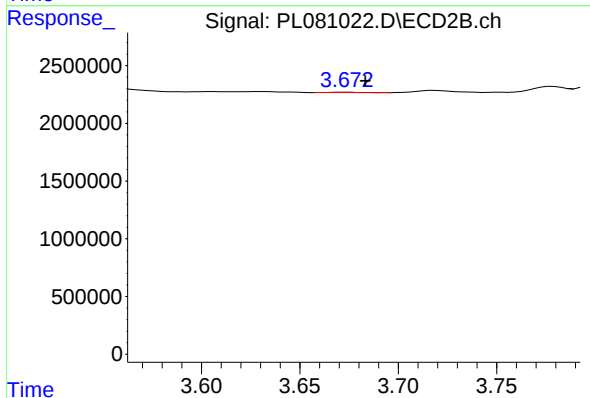
R.T.: 6.955 min  
Delta R.T.: 0.021 min  
Response: 38608  
Conc: 0.02 ng/ml



#23 Chlordane-1

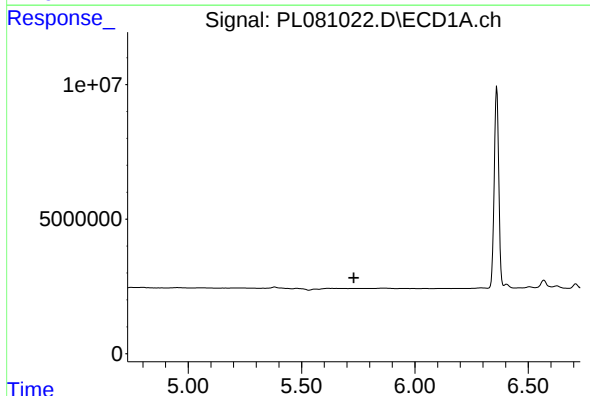
R.T.: 0.000 min  
Exp R.T. : 4.499 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



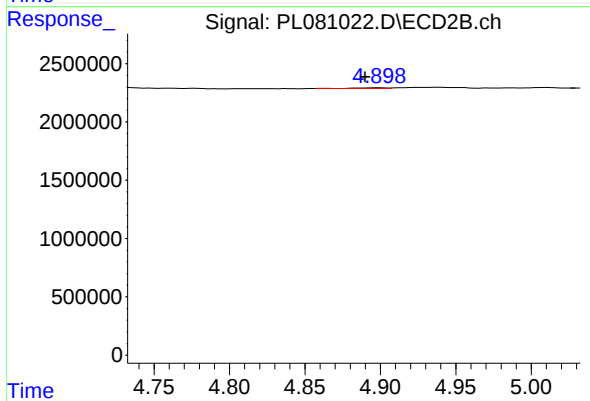
#23 Chlordane-1

R.T.: 3.674 min  
Delta R.T.: -0.010 min  
Response: 32216  
Conc: 0.40 ng/ml



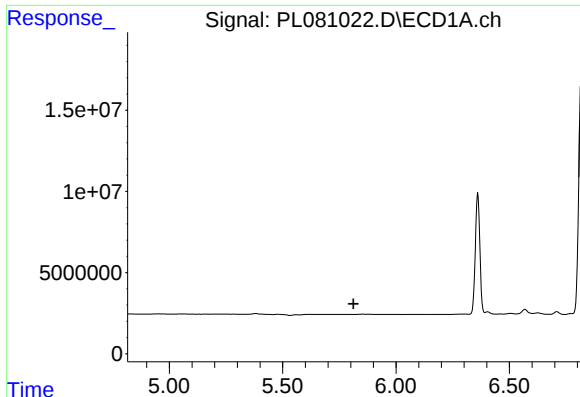
#25 Chlordane-3

R.T.: 0.000 min  
Exp R.T. : 5.731 min  
Response: 0  
Conc: N.D.



#25 Chlordane-3

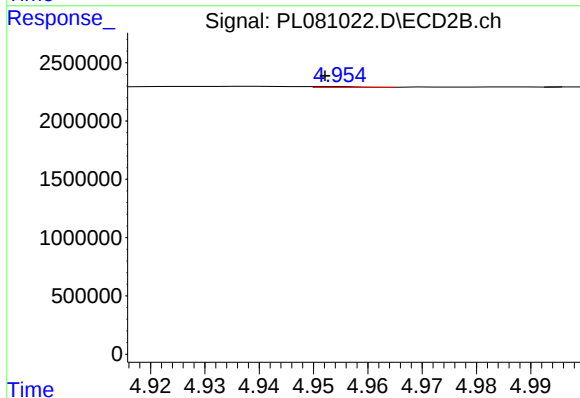
R.T.: 4.899 min  
Delta R.T.: 0.009 min  
Response: 82353  
Conc: 0.31 ng/ml



#26 Chlordane-4

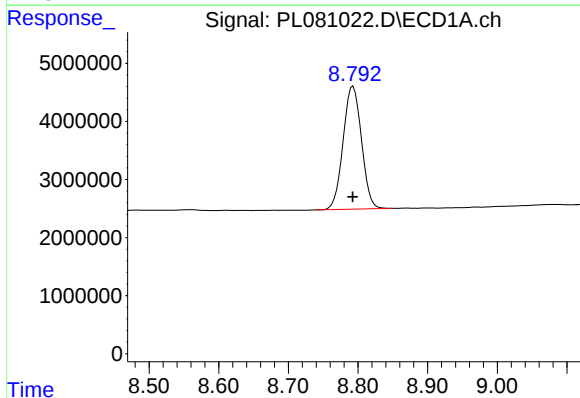
R.T.: 0.000 min  
Exp R.T.: 5.813 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



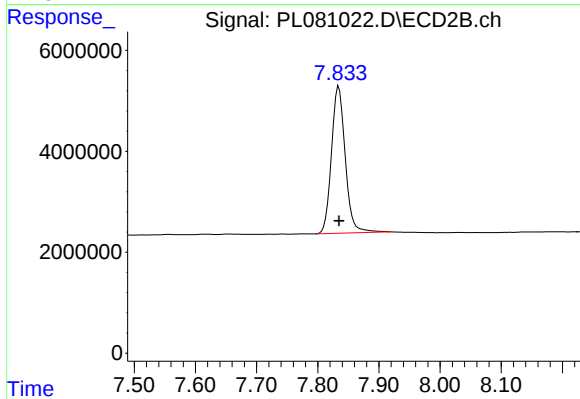
#26 Chlordane-4

R.T.: 4.953 min  
Delta R.T.: 0.001 min  
Response: 48280  
Conc: 0.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.793 min  
Delta R.T.: 0.000 min  
Response: 38778348  
Conc: 19.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.834 min  
Delta R.T.: 0.000 min  
Response: 45552030  
Conc: 19.44 ng/ml