

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051023\  
 Data File : PL082604.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 May 2023 09:07  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 10 21:02:07 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042023.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Apr 21 03:12:31 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... | 3.322  | 2.643  | 53222966 | 44624070 | 19.925  | 19.262  |
| 28)                         | SA Decachlor... | 8.740  | 7.752  | 40148605 | 44081470 | 21.030  | 19.313  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.770  | 3.140  | 36767818 | 28911319 | 9.238   | 8.495   |
| 3)                          | MA gamma-BHC... | 4.099  | 3.467  | 36282180 | 27724702 | 9.704   | 8.623   |
| 4)                          | MA Heptachlor   | 4.677  | 0.000  | 78691    | 0        | 0.022   | N.D. #  |
| 5)                          | MB Aldrin       | 5.025  | 4.094  | 817745   | 982379   | 0.248   | 0.312 # |
| 6)                          | B beta-BHC      | 4.302  | 3.767  | 18014386 | 14180633 | 10.563  | 10.393  |
| 7)                          | B delta-BHC     | 4.522f | 3.991  | 898480   | 178568   | 0.250   | 0.058 # |
| 8)                          | B Heptachlo...  | 5.437  | 0.000  | 930718   | 0        | 0.305   | N.D. #  |
| 9)                          | A Endosulfan I  | 5.841f | 4.946  | 427419   | 173587   | 0.154   | 0.065 # |
| 10)                         | B gamma-Chl...  | 5.673f | 4.834  | 1388582  | 1112390  | 0.462   | 0.383   |
| 11)                         | B alpha-Chl...  | 0.000  | 4.893  | 0        | 84614    | N.D.    | 0.029 # |
| 12)                         | B 4,4'-DDE      | 5.952  | 5.078  | 432173   | 603852   | 0.170   | 0.263 # |
| 13)                         | MA Dieldrin     | 0.000  | 5.203  | 0        | 57077    | N.D.    | 0.021 # |
| 14)                         | MA Endrin       | 6.322  | 5.482  | 109.4E6  | 102.6E6  | 45.121  | 41.966  |
| 15)                         | B Endosulfa...  | 6.536  | 5.797  | 1181651  | 902896   | 0.485   | 0.401   |
| 16)                         | A 4,4'-DDD      | 6.466  | 5.633  | 7373190  | 5784055  | 3.637   | 3.092   |
| 17)                         | MA 4,4'-DDT     | 6.778  | 5.881  | 211.2E6  | 205.8E6  | 92.326  | 97.407  |
| 18)                         | B Endrin al...  | 6.675  | 5.959  | 3529259  | 5354380  | 1.873   | 2.861 # |
| 19)                         | B Endosulfa...  | 6.886f | 6.169f | 421123   | 422791   | 0.178   | 0.180   |
| 20)                         | A Methoxychlor  | 7.258  | 6.461  | 278.1E6  | 262.3E6  | 227.884 | 216.424 |
| 21)                         | B Endrin ke...  | 7.388  | 6.685  | 7038840  | 8169622  | 2.940   | 3.219   |
| 22)                         | Mirex           | 7.846  | 0.000  | 54861    | 0        | 0.028   | N.D. #  |
| 23)                         | Chlordane-1     | 0.000  | 3.616f | 0        | 32360    | N.D.    | 0.365 # |
| 24)                         | Chlordane-2     | 0.000  | 4.214  | 0        | 490052   | N.D.    | 4.370 # |
| 25)                         | Chlordane-3     | 5.673f | 4.834  | 1388582  | 1112390  | 3.217   | 3.915   |
| 26)                         | Chlordane-4     | 0.000  | 4.893  | 0        | 84614    | N.D.    | 0.284 # |
| 27)                         | Chlordane-5     | 0.000  | 5.797  | 0        | 902896   | N.D.    | 9.147 # |
| -----                       |                 |        |        |          |          |         |         |

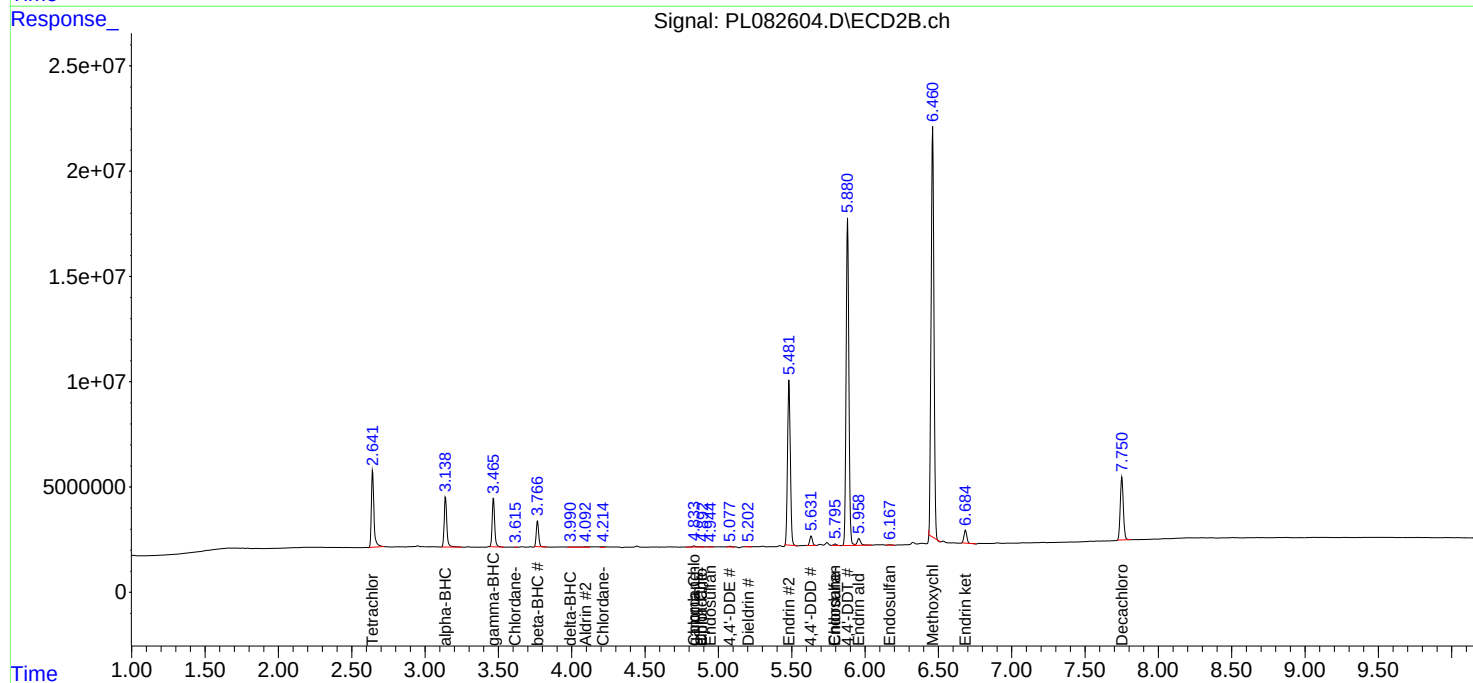
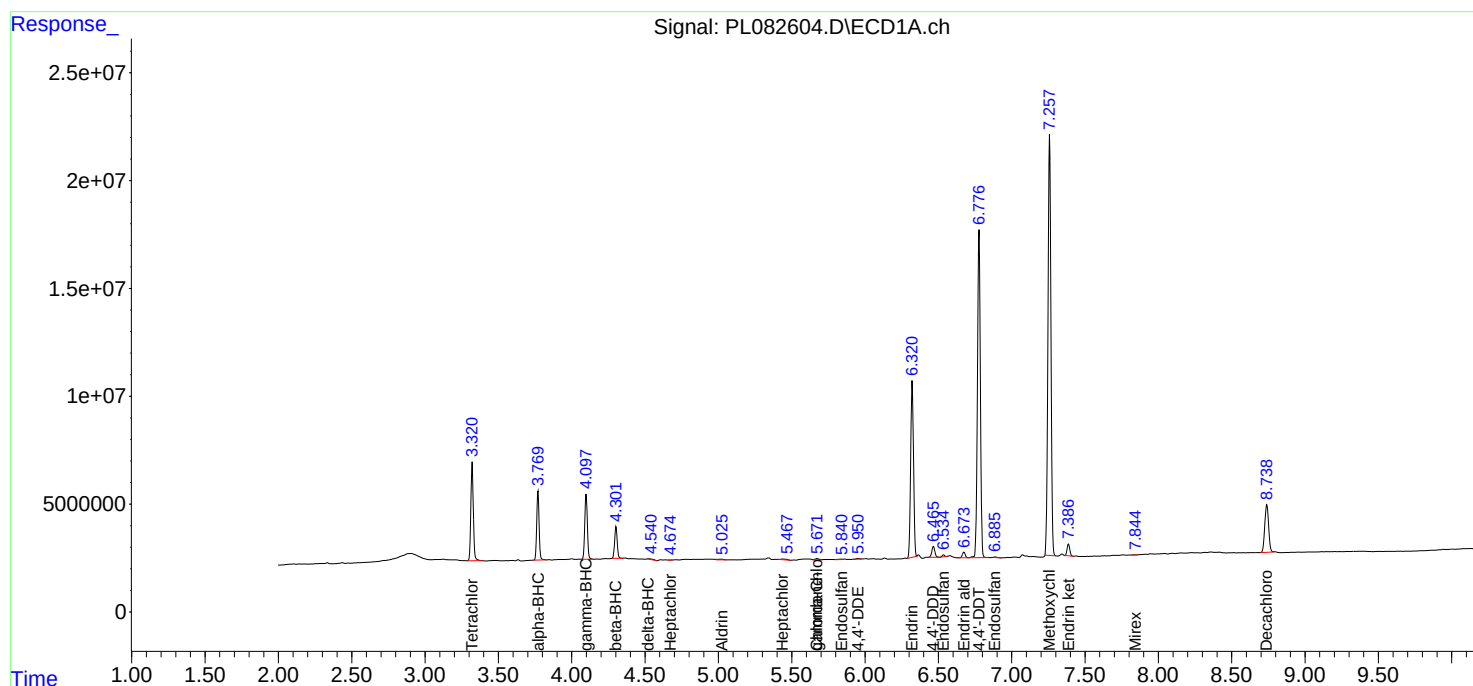
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

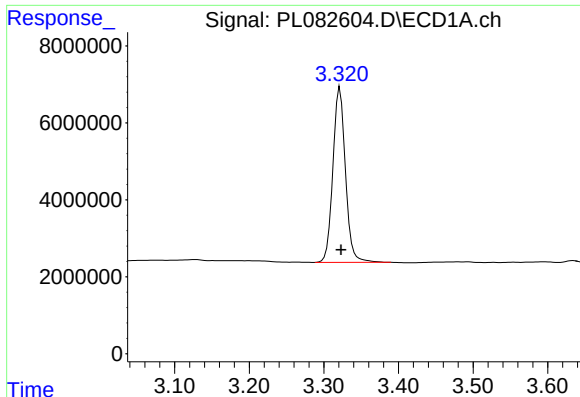
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051023\  
Data File : PL082604.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 10 May 2023 09:07  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 10 21:02:07 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042023.M  
Quant Title : GC Extractables  
QLast Update : Fri Apr 21 03:12:31 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

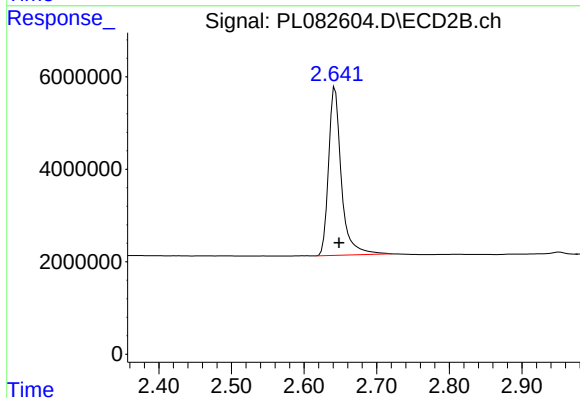




#1 Tetrachloro-m-xylene

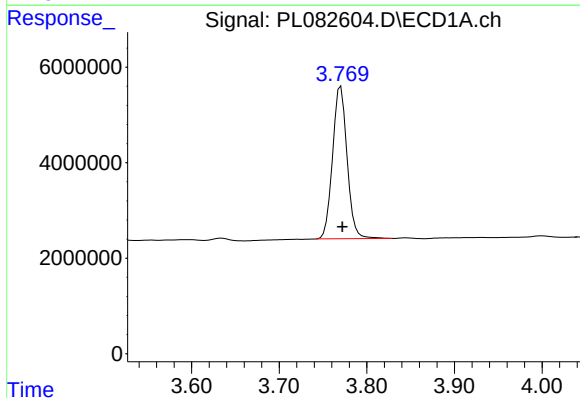
R.T.: 3.322 min  
Delta R.T.: -0.001 min  
Response: 53222966  
Conc: 19.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



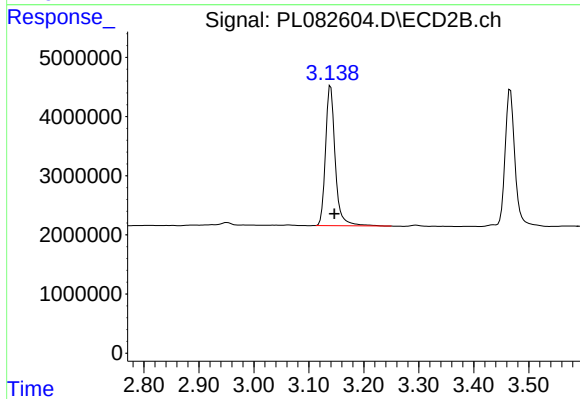
#1 Tetrachloro-m-xylene

R.T.: 2.643 min  
Delta R.T.: -0.006 min  
Response: 44624070  
Conc: 19.26 ng/ml



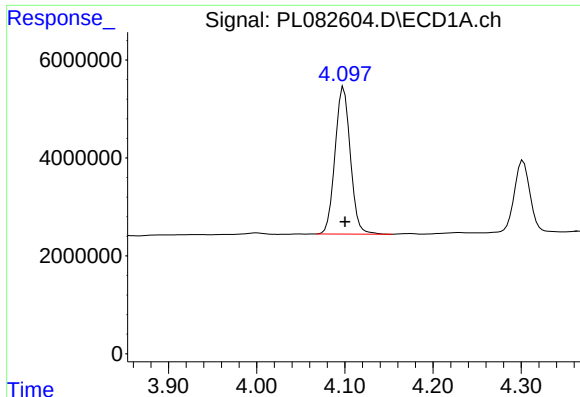
#2 alpha-BHC

R.T.: 3.770 min  
Delta R.T.: -0.002 min  
Response: 36767818  
Conc: 9.24 ng/ml



#2 alpha-BHC

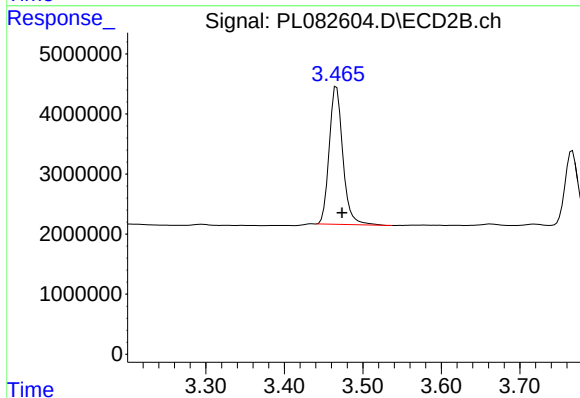
R.T.: 3.140 min  
Delta R.T.: -0.007 min  
Response: 28911319  
Conc: 8.49 ng/ml



#3 gamma-BHC (Lindane)

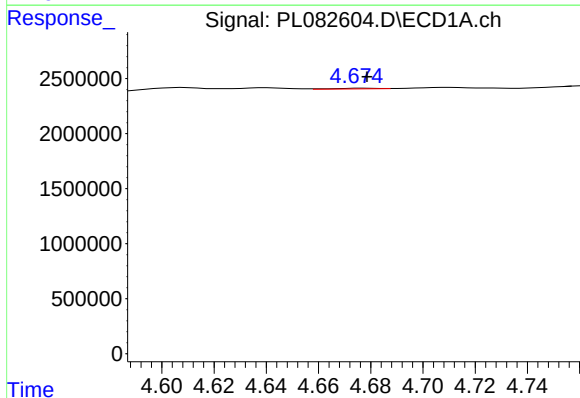
R.T.: 4.099 min  
Delta R.T.: -0.002 min  
Response: 36282180  
Conc: 9.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



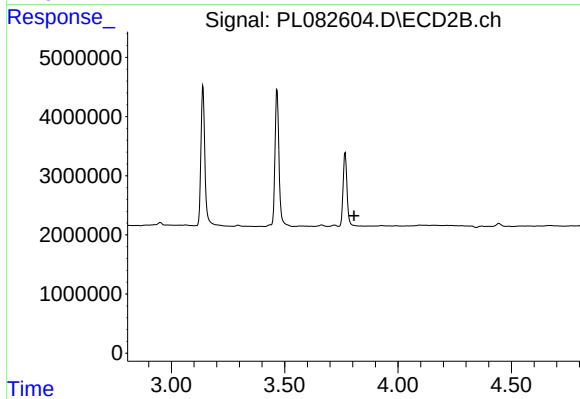
#3 gamma-BHC (Lindane)

R.T.: 3.467 min  
Delta R.T.: -0.007 min  
Response: 27724702  
Conc: 8.62 ng/ml



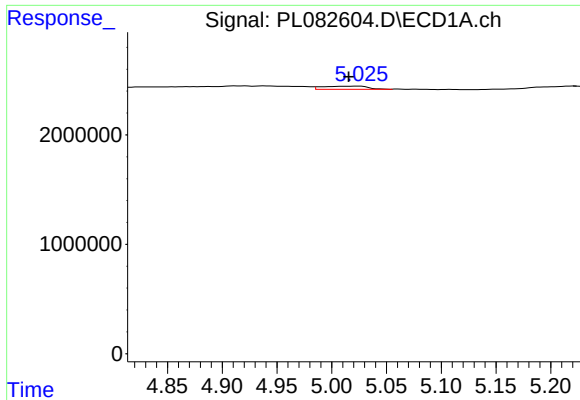
#4 Heptachlor

R.T.: 4.677 min  
Delta R.T.: -0.002 min  
Response: 78691  
Conc: 0.02 ng/ml



#4 Heptachlor

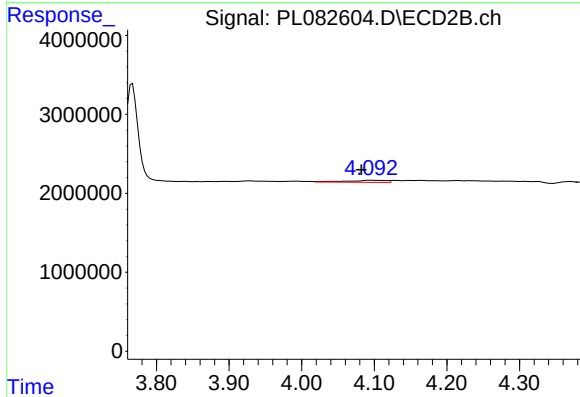
R.T.: 0.000 min  
Exp R.T. : 3.806 min  
Response: 0  
Conc: N.D.



#5 Aldrin

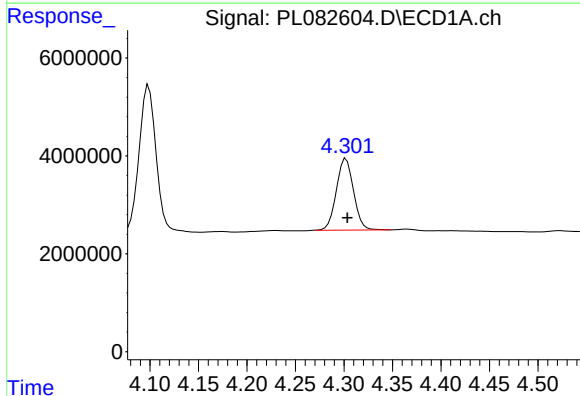
R.T.: 5.025 min  
Delta R.T.: 0.010 min  
Response: 817745  
Conc: 0.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



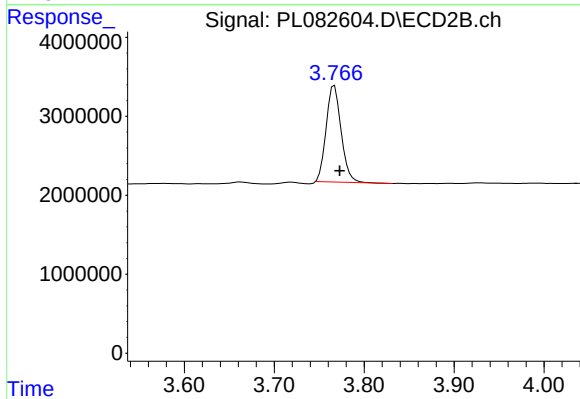
#5 Aldrin

R.T.: 4.094 min  
Delta R.T.: 0.011 min  
Response: 982379  
Conc: 0.31 ng/ml



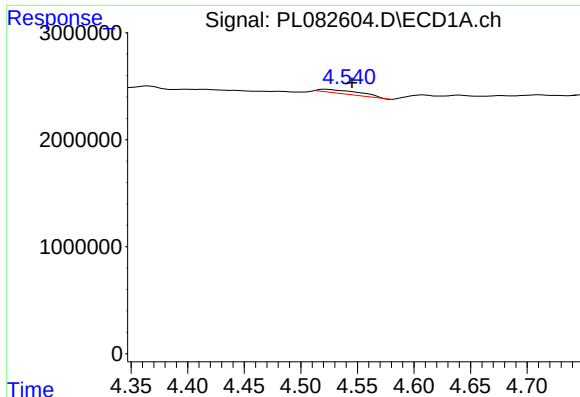
#6 beta-BHC

R.T.: 4.302 min  
Delta R.T.: -0.001 min  
Response: 18014386  
Conc: 10.56 ng/ml



#6 beta-BHC

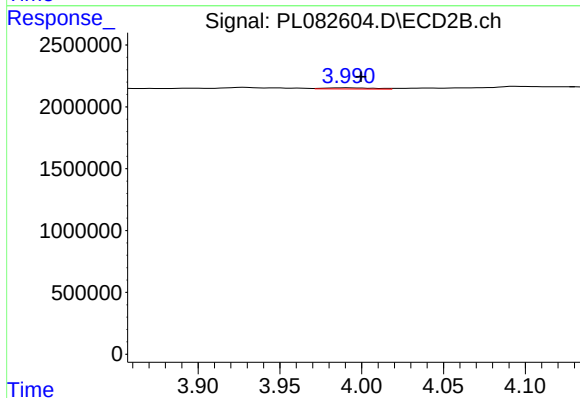
R.T.: 3.767 min  
Delta R.T.: -0.006 min  
Response: 14180633  
Conc: 10.39 ng/ml



#7 delta-BHC

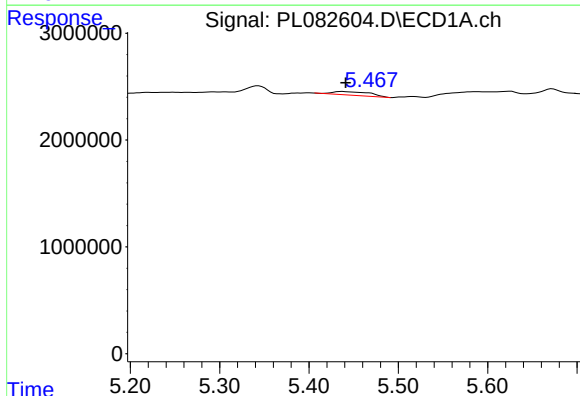
R.T.: 4.522 min  
Delta R.T.: -0.023 min  
Response: 898480  
Conc: 0.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



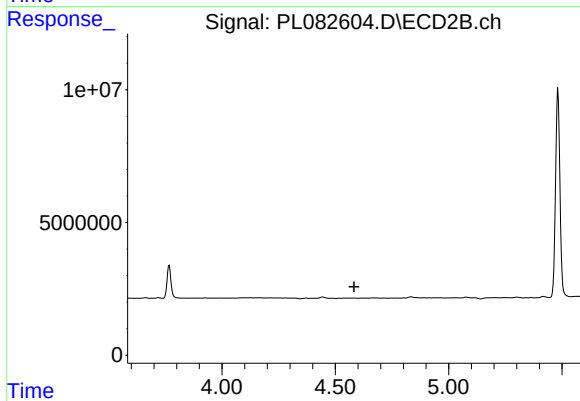
#7 delta-BHC

R.T.: 3.991 min  
Delta R.T.: -0.009 min  
Response: 178568  
Conc: 0.06 ng/ml



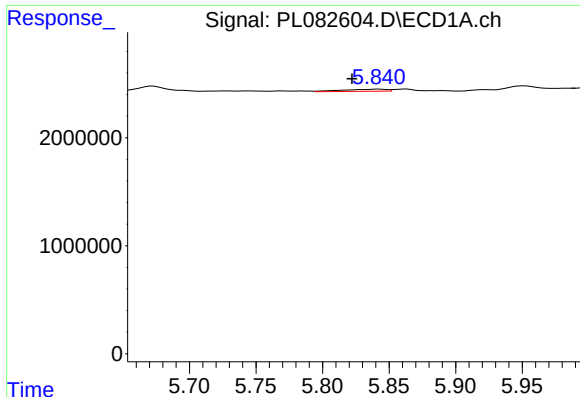
#8 Heptachlor epoxide

R.T.: 5.437 min  
Delta R.T.: -0.004 min  
Response: 930718  
Conc: 0.31 ng/ml



#8 Heptachlor epoxide

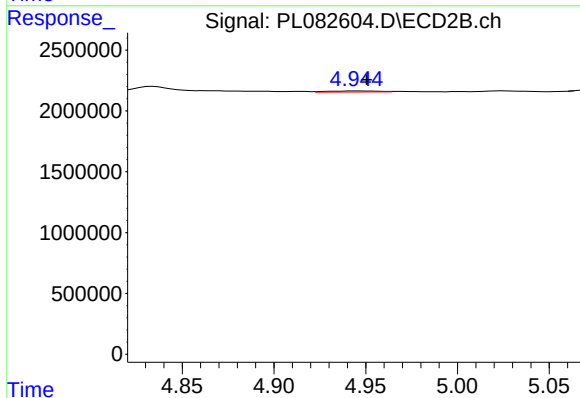
R.T.: 0.000 min  
Exp R.T.: 4.583 min  
Response: 0  
Conc: N.D.



#9 Endosulfan I

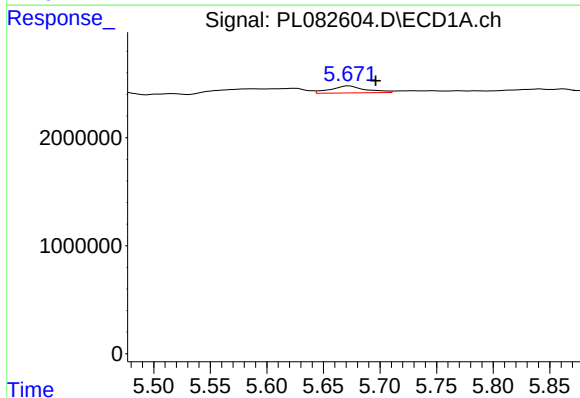
R.T.: 5.841 min  
Delta R.T.: 0.019 min  
Response: 427419  
Conc: 0.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



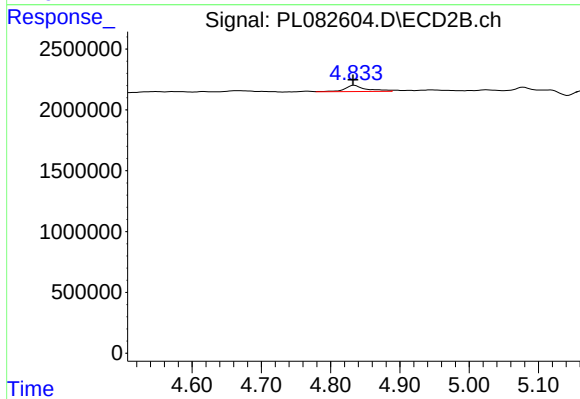
#9 Endosulfan I

R.T.: 4.946 min  
Delta R.T.: -0.005 min  
Response: 173587  
Conc: 0.07 ng/ml



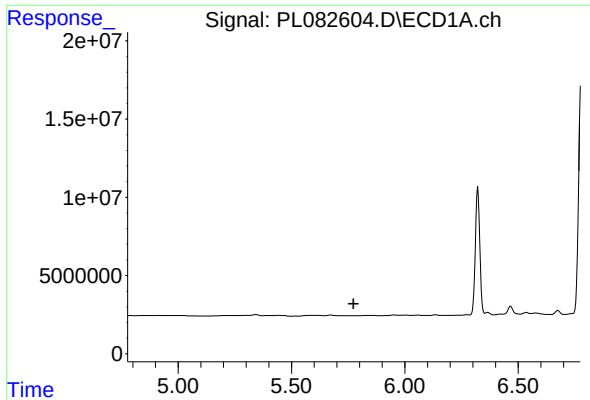
#10 gamma-Chlordane

R.T.: 5.673 min  
Delta R.T.: -0.024 min  
Response: 1388582  
Conc: 0.46 ng/ml



#10 gamma-Chlordane

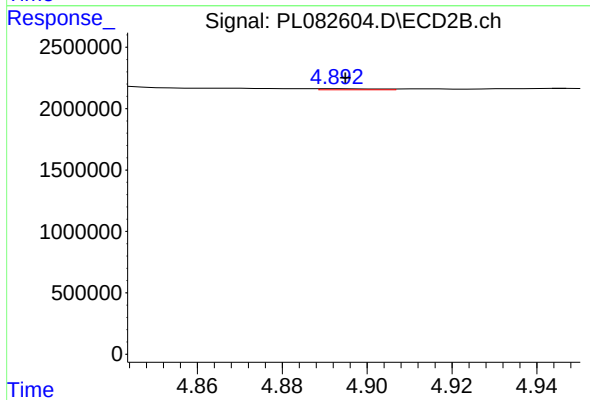
R.T.: 4.834 min  
Delta R.T.: 0.002 min  
Response: 1112390  
Conc: 0.38 ng/ml



#11 alpha-Chlordane

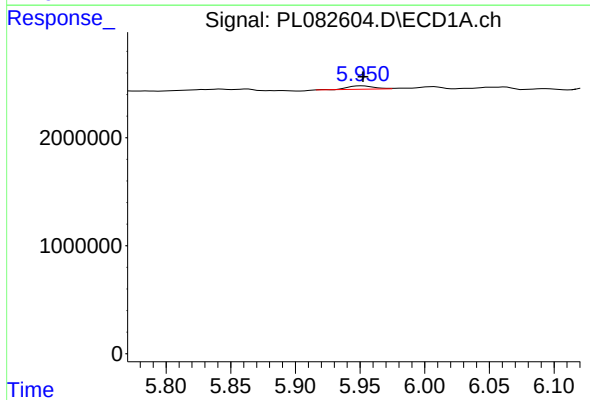
R.T.: 0.000 min  
Exp R.T.: 5.774 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



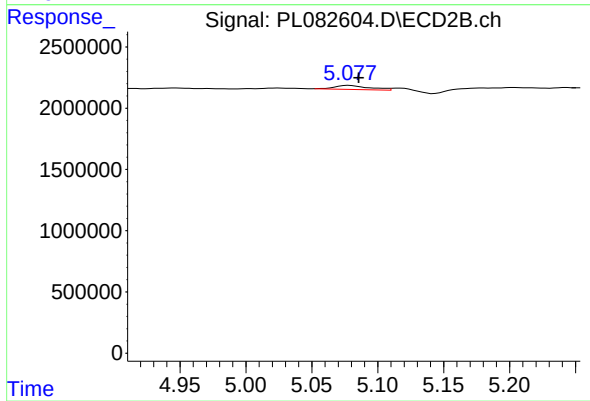
#11 alpha-Chlordane

R.T.: 4.893 min  
Delta R.T.: -0.002 min  
Response: 84614  
Conc: 0.03 ng/ml



#12 4,4'-DDE

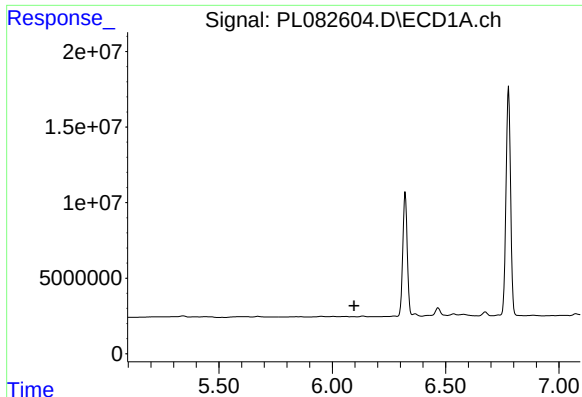
R.T.: 5.952 min  
Delta R.T.: 0.000 min  
Response: 432173  
Conc: 0.17 ng/ml



#12 4,4'-DDE

R.T.: 5.078 min  
Delta R.T.: -0.007 min  
Response: 603852  
Conc: 0.26 ng/ml

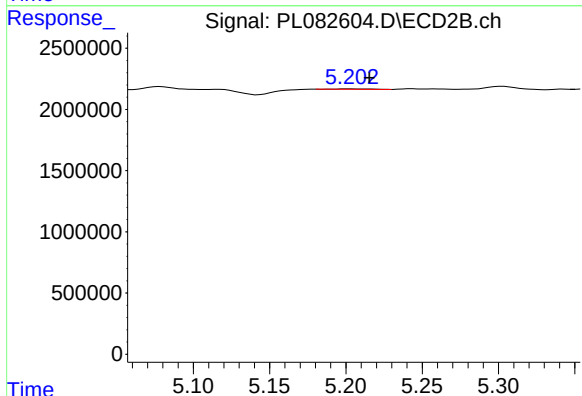




#13 Dieldrin

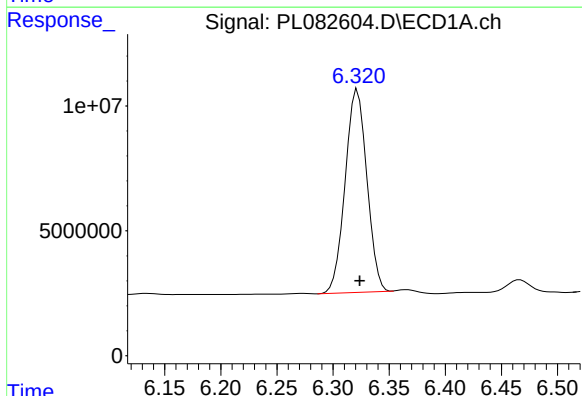
R.T.: 0.000 min  
Exp R.T.: 6.097 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



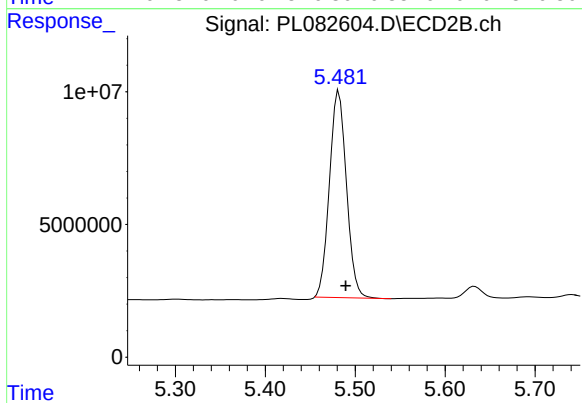
#13 Dieldrin

R.T.: 5.203 min  
Delta R.T.: -0.012 min  
Response: 57077  
Conc: 0.02 ng/ml



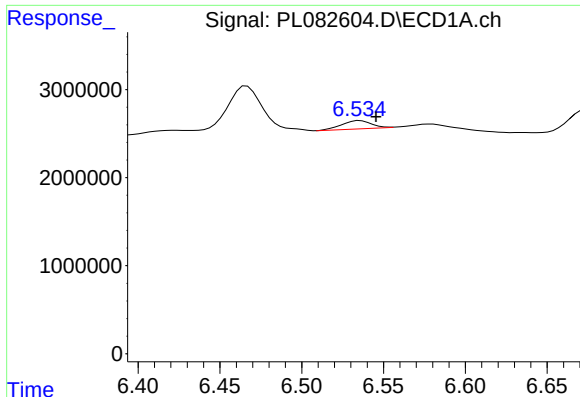
#14 Endrin

R.T.: 6.322 min  
Delta R.T.: -0.002 min  
Response: 109398376  
Conc: 45.12 ng/ml



#14 Endrin

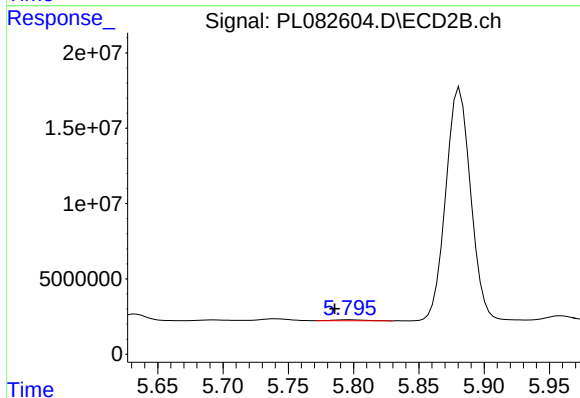
R.T.: 5.482 min  
Delta R.T.: -0.008 min  
Response: 102647797  
Conc: 41.97 ng/ml



#15 Endosulfan II

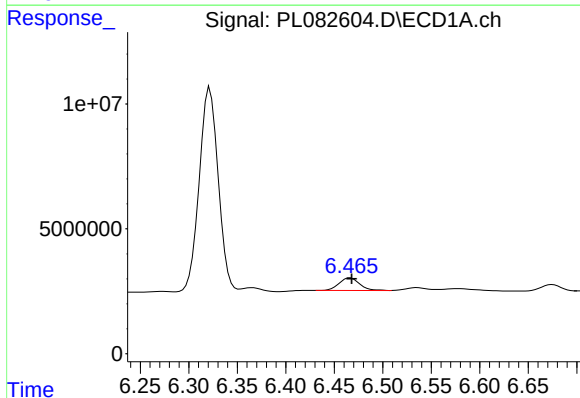
R.T.: 6.536 min  
Delta R.T.: -0.010 min  
Response: 1181651  
Conc: 0.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



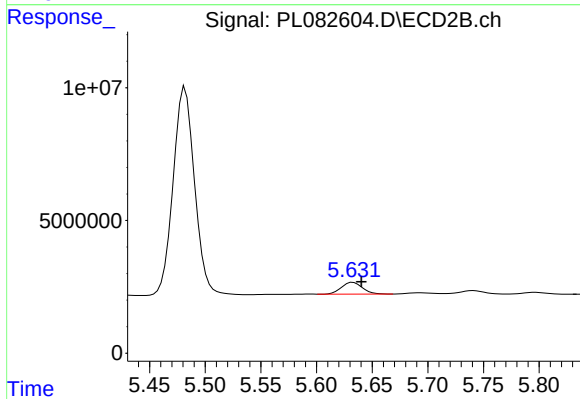
#15 Endosulfan II

R.T.: 5.797 min  
Delta R.T.: 0.011 min  
Response: 902896  
Conc: 0.40 ng/ml



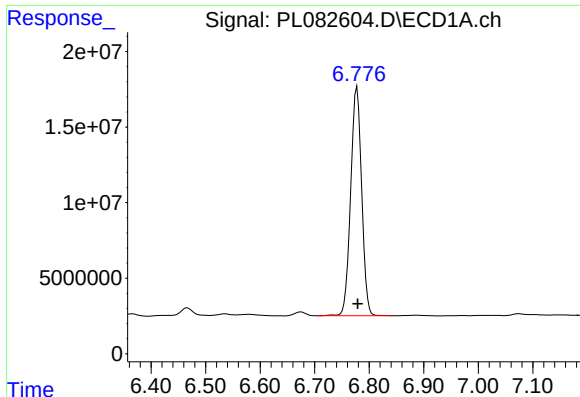
#16 4,4'-DDD

R.T.: 6.466 min  
Delta R.T.: -0.002 min  
Response: 7373190  
Conc: 3.64 ng/ml



#16 4,4'-DDD

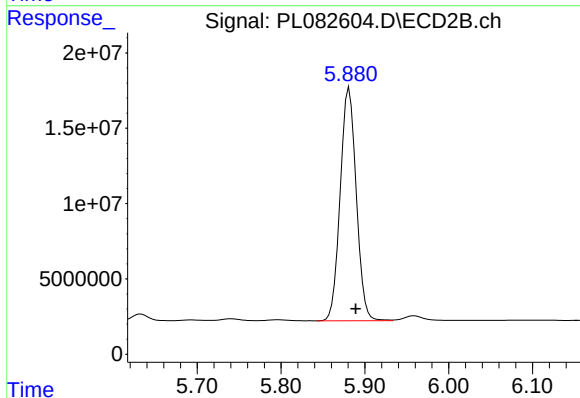
R.T.: 5.633 min  
Delta R.T.: -0.008 min  
Response: 5784055  
Conc: 3.09 ng/ml



#17 4,4'-DDT

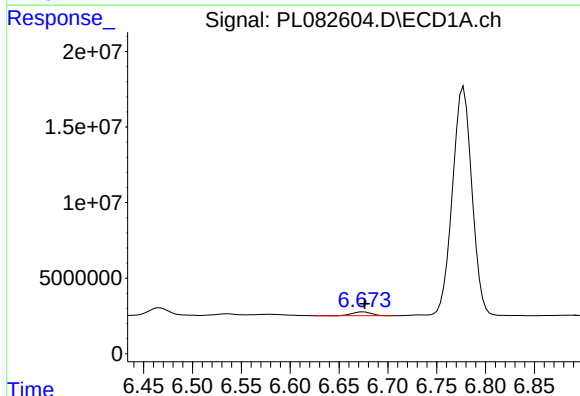
R.T.: 6.778 min  
Delta R.T.: -0.001 min  
Response: 211215193  
Conc: 92.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



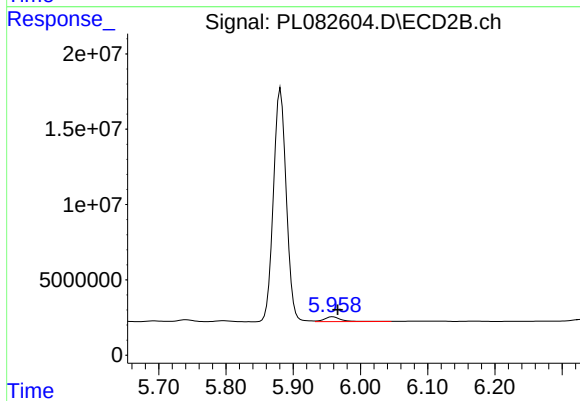
#17 4,4'-DDT

R.T.: 5.881 min  
Delta R.T.: -0.008 min  
Response: 205781989  
Conc: 97.41 ng/ml



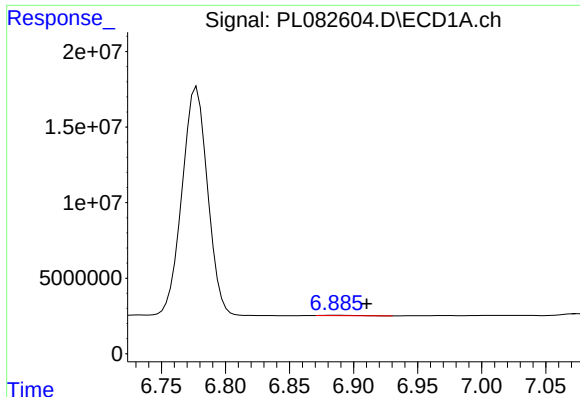
#18 Endrin aldehyde

R.T.: 6.675 min  
Delta R.T.: -0.002 min  
Response: 3529259  
Conc: 1.87 ng/ml



#18 Endrin aldehyde

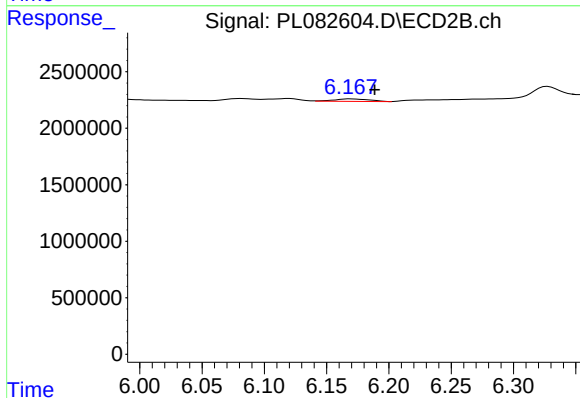
R.T.: 5.959 min  
Delta R.T.: -0.007 min  
Response: 5354380  
Conc: 2.86 ng/ml



#19 Endosulfan Sulfate

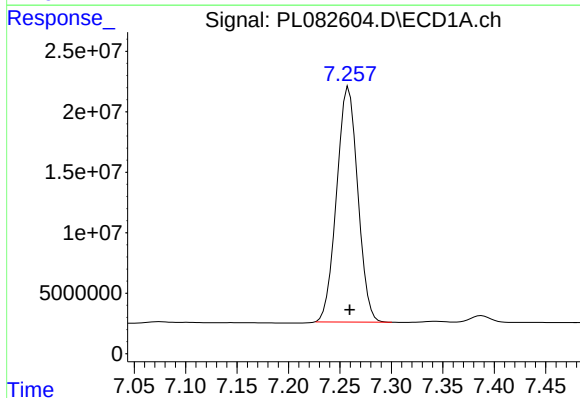
R.T.: 6.886 min  
Delta R.T.: -0.024 min  
Response: 421123  
Conc: 0.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



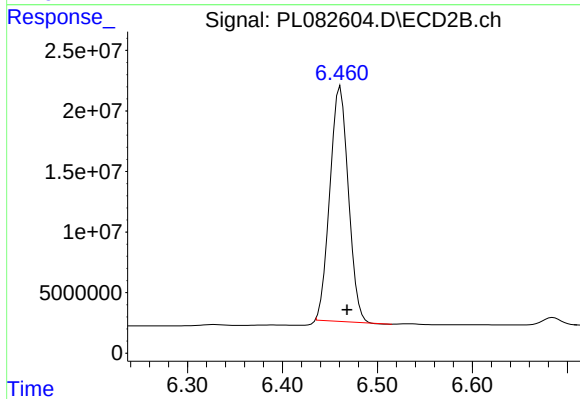
#19 Endosulfan Sulfate

R.T.: 6.169 min  
Delta R.T.: -0.020 min  
Response: 422791  
Conc: 0.18 ng/ml



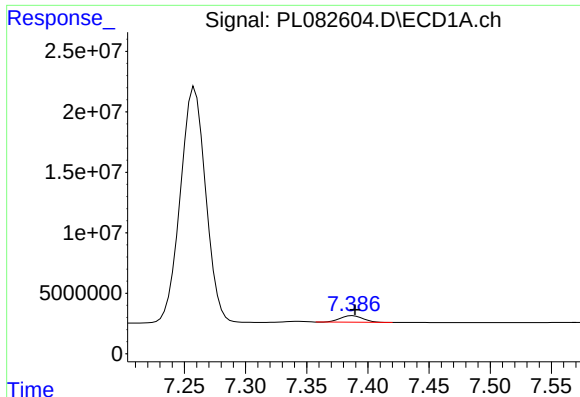
#20 Methoxychlor

R.T.: 7.258 min  
Delta R.T.: -0.001 min  
Response: 278093339  
Conc: 227.88 ng/ml



#20 Methoxychlor

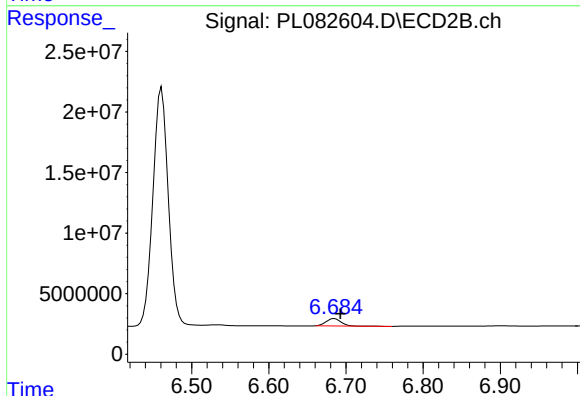
R.T.: 6.461 min  
Delta R.T.: -0.007 min  
Response: 262270586  
Conc: 216.42 ng/ml



#21 Endrin ketone

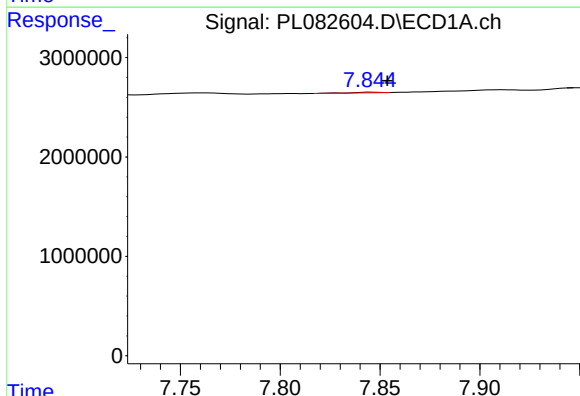
R.T.: 7.388 min  
Delta R.T.: -0.002 min  
Response: 7038840  
Conc: 2.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



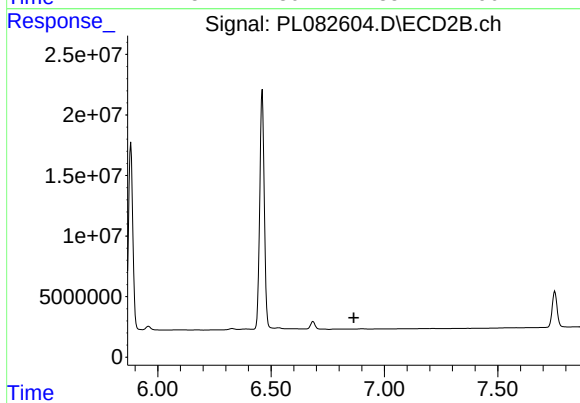
#21 Endrin ketone

R.T.: 6.685 min  
Delta R.T.: -0.008 min  
Response: 8169622  
Conc: 3.22 ng/ml



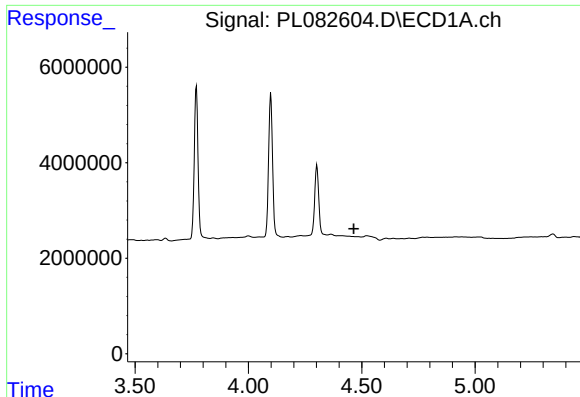
#22 Mirex

R.T.: 7.846 min  
Delta R.T.: -0.008 min  
Response: 54861  
Conc: 0.03 ng/ml



#22 Mirex

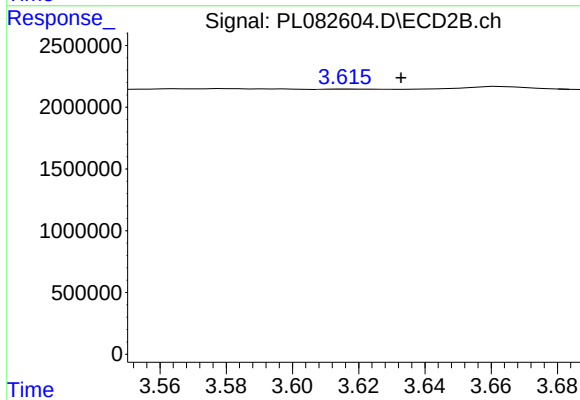
R.T.: 0.000 min  
Exp R.T. : 6.865 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

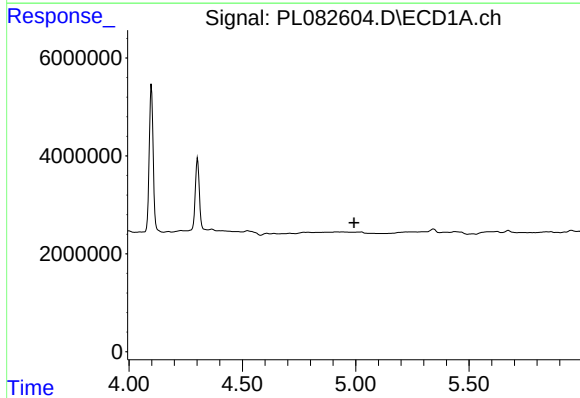
R.T.: 0.000 min  
Exp R.T. : 4.466 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



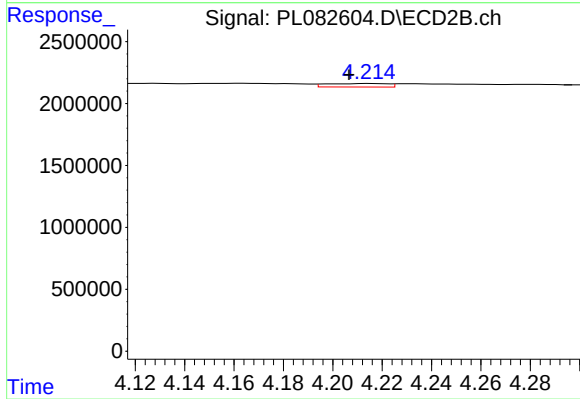
#23 Chlordane-1

R.T.: 3.616 min  
Delta R.T.: -0.016 min  
Response: 32360  
Conc: 0.36 ng/ml



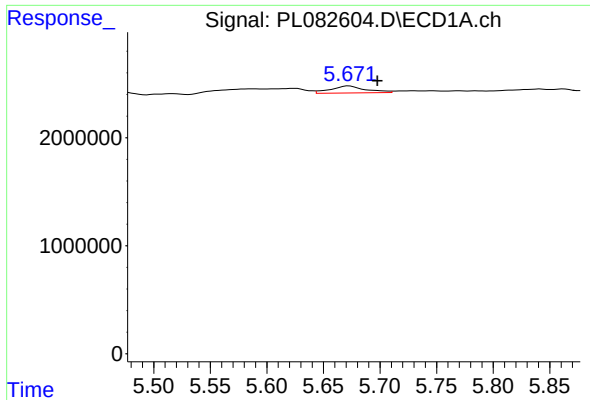
#24 Chlordane-2

R.T.: 0.000 min  
Exp R.T. : 4.992 min  
Response: 0  
Conc: N.D.



#24 Chlordane-2

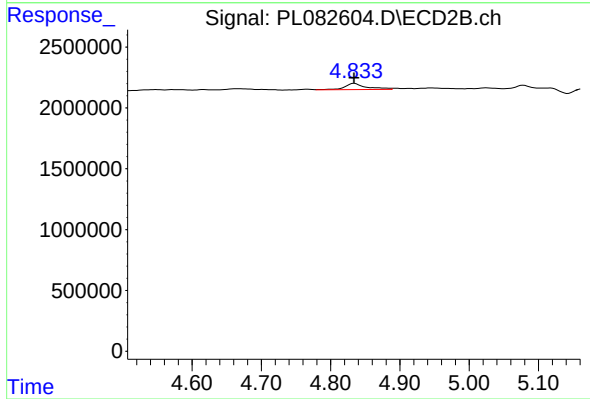
R.T.: 4.214 min  
Delta R.T.: 0.008 min  
Response: 490052  
Conc: 4.37 ng/ml



#25 Chlordane-3

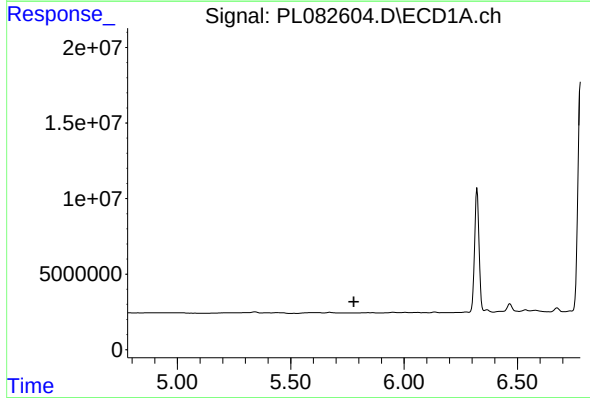
R.T.: 5.673 min  
Delta R.T.: -0.025 min  
Response: 1388582  
Conc: 3.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



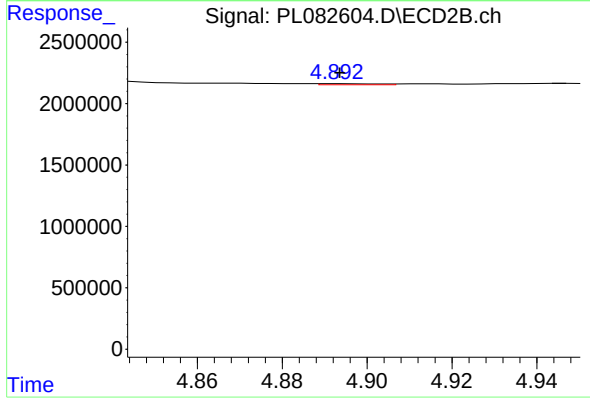
#25 Chlordane-3

R.T.: 4.834 min  
Delta R.T.: 0.000 min  
Response: 1112390  
Conc: 3.92 ng/ml



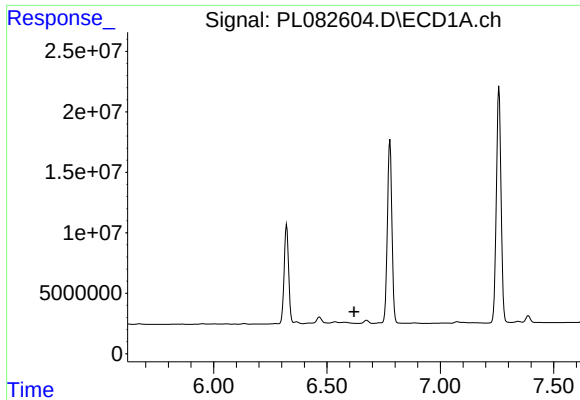
#26 Chlordane-4

R.T.: 0.000 min  
Exp R.T. : 5.778 min  
Response: 0  
Conc: N.D.



#26 Chlordane-4

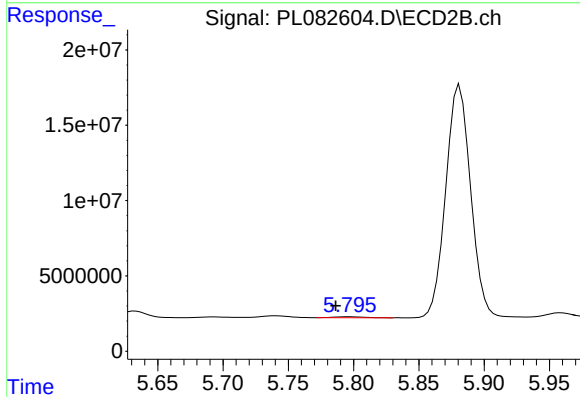
R.T.: 4.893 min  
Delta R.T.: 0.000 min  
Response: 84614  
Conc: 0.28 ng/ml



#27 Chlordane-5

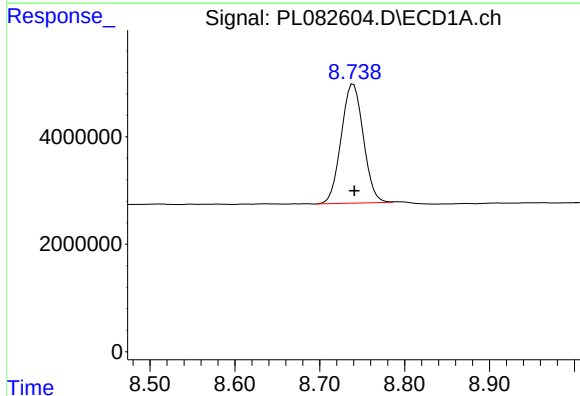
R.T.: 0.000 min  
Exp R.T.: 6.619 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



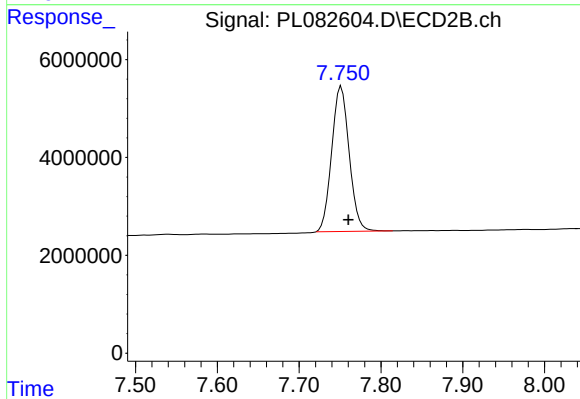
#27 Chlordane-5

R.T.: 5.797 min  
Delta R.T.: 0.010 min  
Response: 902896  
Conc: 9.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.740 min  
Delta R.T.: -0.001 min  
Response: 40148605  
Conc: 21.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.752 min  
Delta R.T.: -0.008 min  
Response: 44081470  
Conc: 19.31 ng/ml