

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL072623\  
 Data File : PL084231.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 26 Jul 2023 16:16  
 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: Jul 26 21:30:13 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL071223.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Jul 14 00:03:54 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... | 3.476  | 2.687  | 44514910 | 21584921 | 22.259  | 19.436  |
| 28)                         | SA Decachlor... | 9.025  | 7.869  | 32470426 | 23503071 | 24.945  | 21.152  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.934  | 3.192  | 30234435 | 14441082 | 10.320  | 8.982   |
| 3)                          | MA gamma-BHC... | 4.268  | 3.522  | 28706170 | 13635301 | 10.160  | 8.967   |
| 4)                          | MA Heptachlor   | 4.835f | 0.000  | 129927   | 0        | 0.048   | N.D. #  |
| 5)                          | MB Aldrin       | 0.000  | 4.159  | 0        | 75237    | N.D.    | 0.050 # |
| 6)                          | B beta-BHC      | 4.467  | 3.824  | 15214333 | 7076748  | 12.680  | 10.721  |
| 7)                          | B delta-BHC     | 0.000  | 4.050  | 0        | 29224    | N.D.    | 0.019 # |
| 8)                          | B Heptachlo...  | 5.630  | 0.000  | 4868270  | 0        | 1.824   | N.D. #  |
| 9)                          | A Endosulfan I  | 0.000  | 5.000f | 0        | 16891    | N.D.    | 0.014 # |
| 10)                         | B gamma-Chl...  | 5.866f | 4.916  | 1105549  | 372998   | 0.428   | 0.280 # |
| 11)                         | B alpha-Chl...  | 0.000  | 4.978  | 0        | 26598    | N.D.    | 0.020 # |
| 12)                         | B 4,4'-DDE      | 6.148  | 5.166  | 772721   | 302619   | 0.384   | 0.246 # |
| 14)                         | MA Endrin       | 6.524  | 5.563  | 87494720 | 53321443 | 45.943  | 48.507  |
| 15)                         | B Endosulfa...  | 0.000  | 5.891f | 0        | 882034   | N.D.    | 0.767 # |
| 16)                         | A 4,4'-DDD      | 6.666  | 5.723  | 7261735  | 3951423  | 4.945   | 4.119   |
| 17)                         | MA 4,4'-DDT     | 6.983  | 5.976  | 158.3E6  | 107.3E6  | 99.277  | 117.835 |
| 18)                         | B Endrin al...  | 6.876  | 6.042  | 3556844  | 2282553  | 2.428   | 2.539   |
| 19)                         | B Endosulfa...  | 7.087f | 6.267  | 755550   | 103644   | 0.437   | 0.094 # |
| 20)                         | A Methoxychlor  | 7.464  | 6.560  | 186.6E6  | 135.0E6  | 238.605 | 281.666 |
| 21)                         | B Endrin ke...  | 7.595  | 6.771  | 5494445  | 4451358  | 3.135   | 3.445   |
| 22)                         | Mirex           | 0.000  | 6.926f | 0        | 83397    | N.D.    | 0.082 # |
| 23)                         | Chlordane-1     | 0.000  | 3.691  | 0        | 6998     | N.D.    | 0.018 # |
| 25)                         | Chlordane-3     | 5.866f | 4.916  | 1105549  | 372998   | 0.315   | 0.272   |
| 26)                         | Chlordane-4     | 0.000  | 4.960  | 0        | 19856    | N.D.    | 0.014 # |
| 27)                         | Chlordane-5     | 0.000  | 5.891f | 0        | 882034   | N.D.    | 1.922 # |
| -----                       |                 |        |        |          |          |         |         |

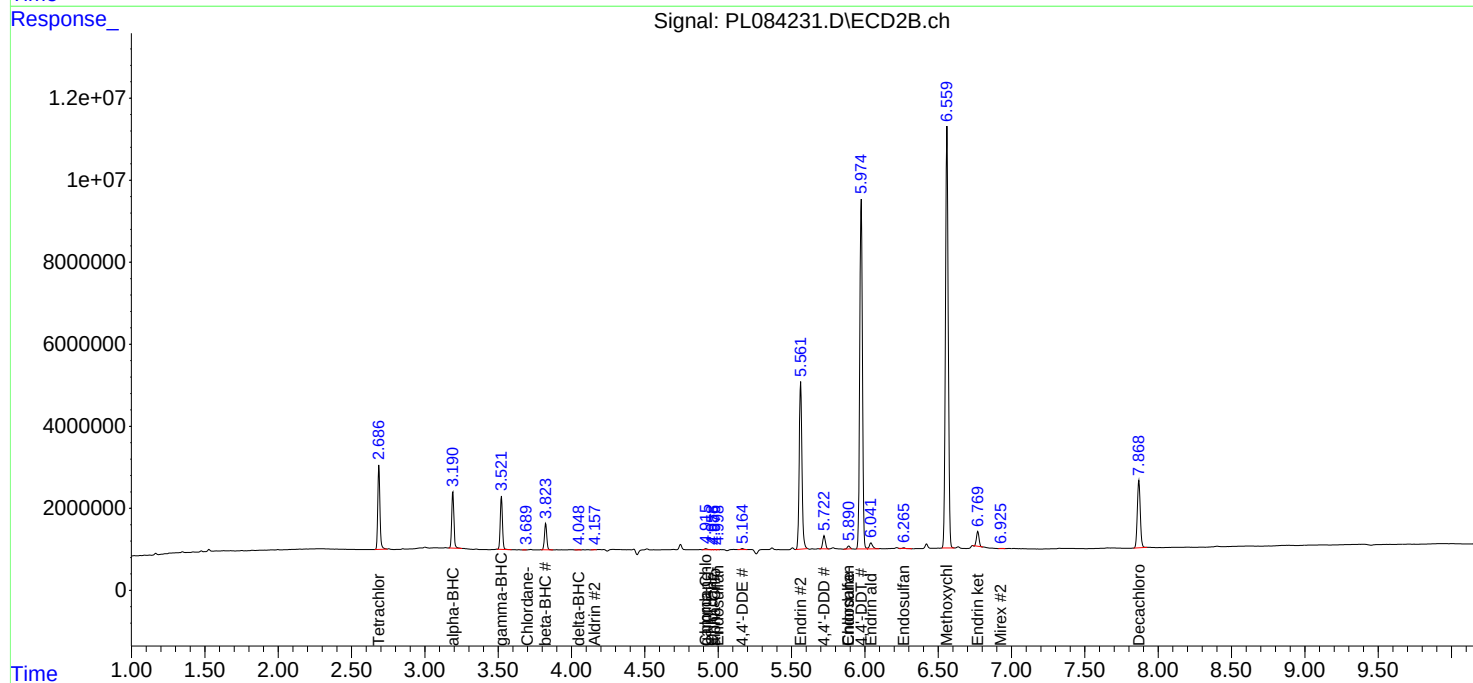
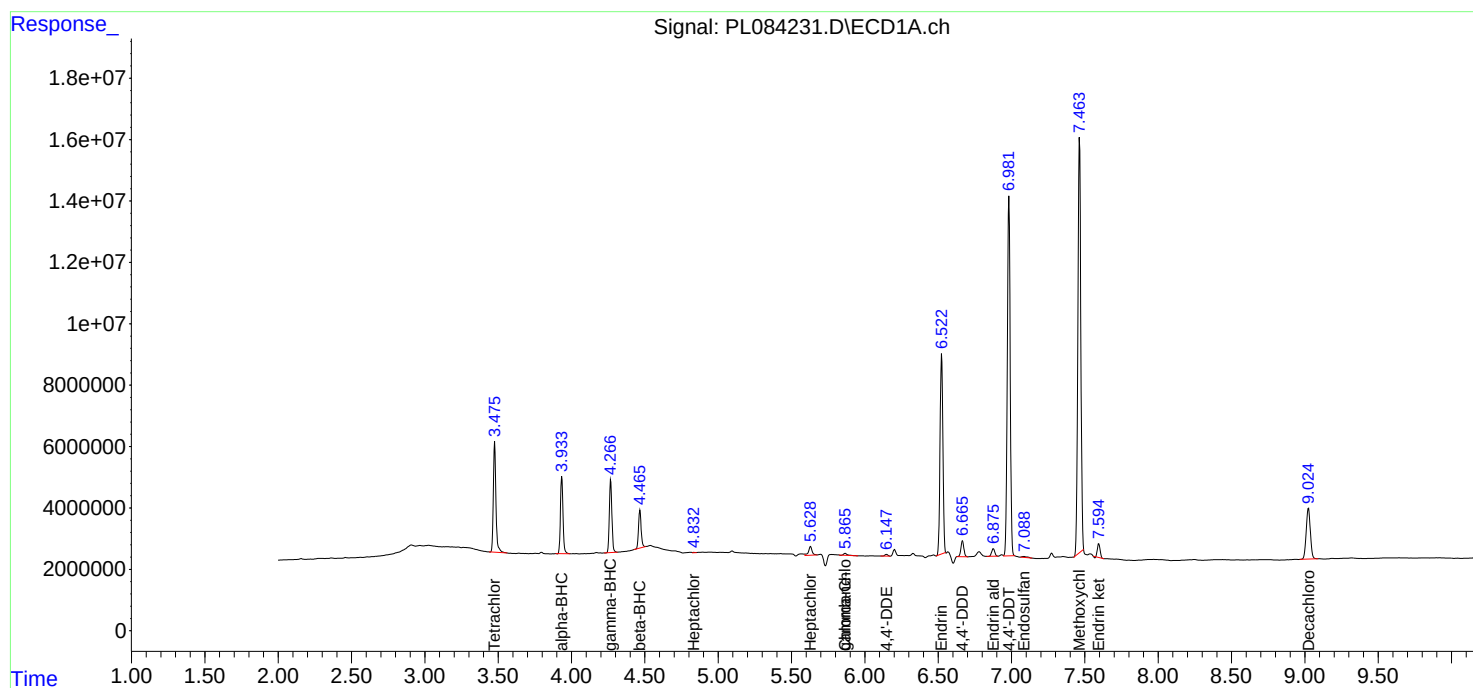
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

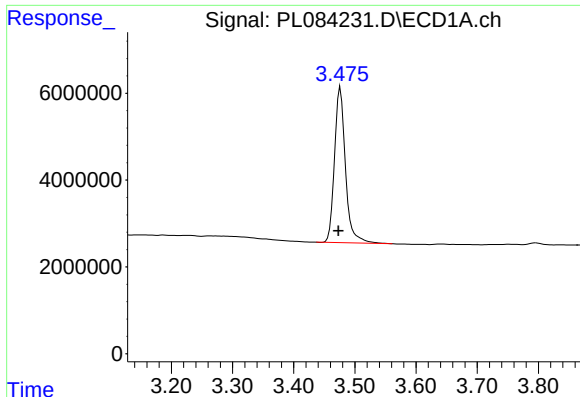
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL072623\  
Data File : PL084231.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 26 Jul 2023 16:16  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 26 21:30:13 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL071223.M  
Quant Title : GC Extractables  
QLast Update : Fri Jul 14 00:03:54 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

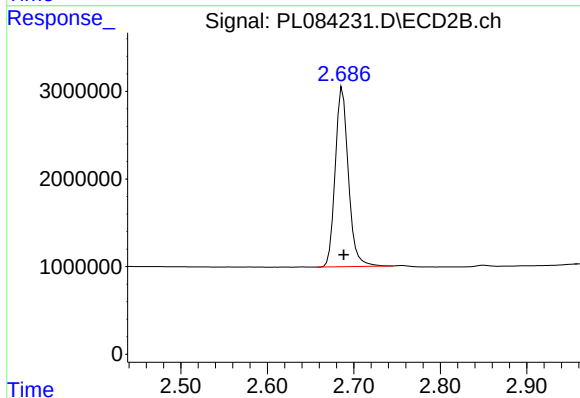




#1 Tetrachloro-m-xylene

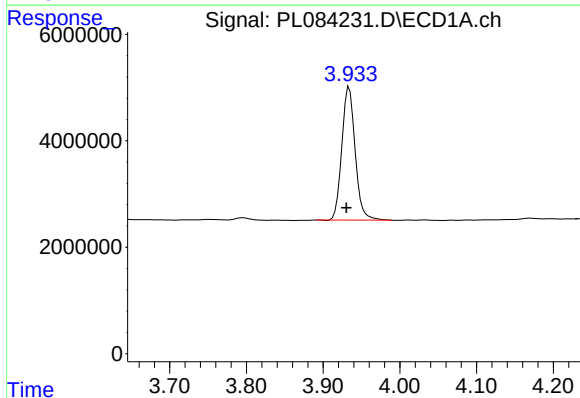
R.T.: 3.476 min  
Delta R.T.: 0.003 min  
Response: 44514910  
Conc: 22.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



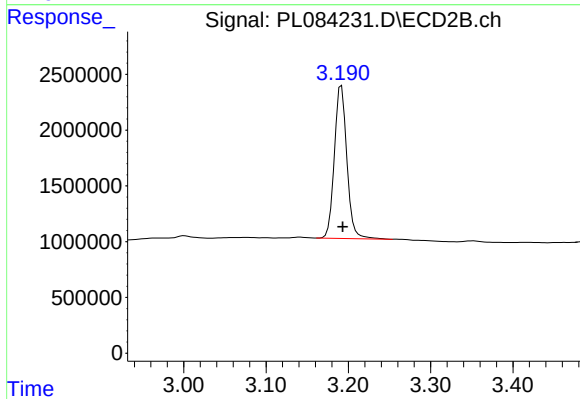
#1 Tetrachloro-m-xylene

R.T.: 2.687 min  
Delta R.T.: -0.001 min  
Response: 21584921  
Conc: 19.44 ng/ml



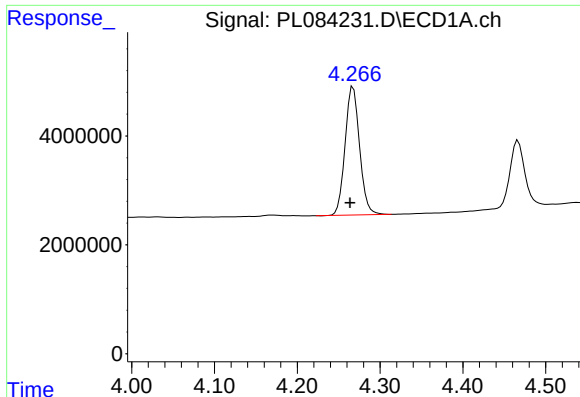
#2 alpha-BHC

R.T.: 3.934 min  
Delta R.T.: 0.003 min  
Response: 30234435  
Conc: 10.32 ng/ml



#2 alpha-BHC

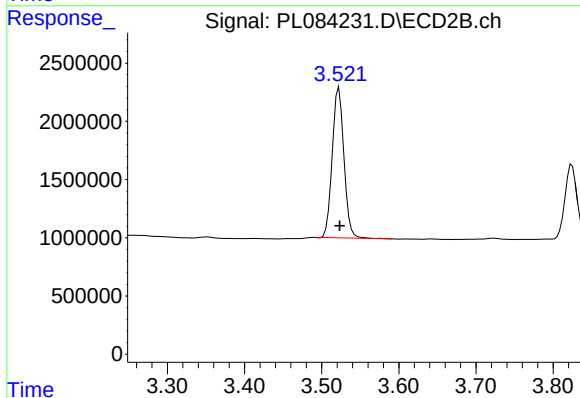
R.T.: 3.192 min  
Delta R.T.: -0.002 min  
Response: 14441082  
Conc: 8.98 ng/ml



#3 gamma-BHC (Lindane)

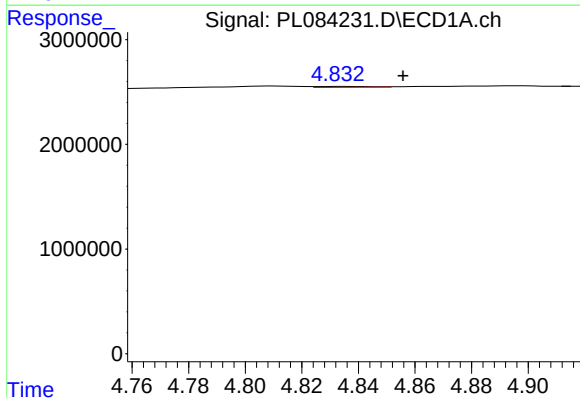
R.T.: 4.268 min  
Delta R.T.: 0.004 min  
Response: 28706170  
Conc: 10.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



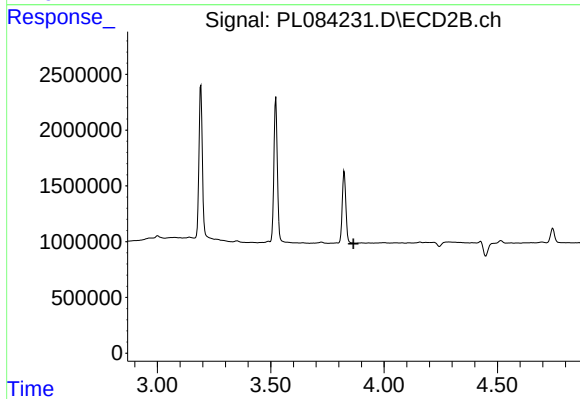
#3 gamma-BHC (Lindane)

R.T.: 3.522 min  
Delta R.T.: -0.001 min  
Response: 13635301  
Conc: 8.97 ng/ml



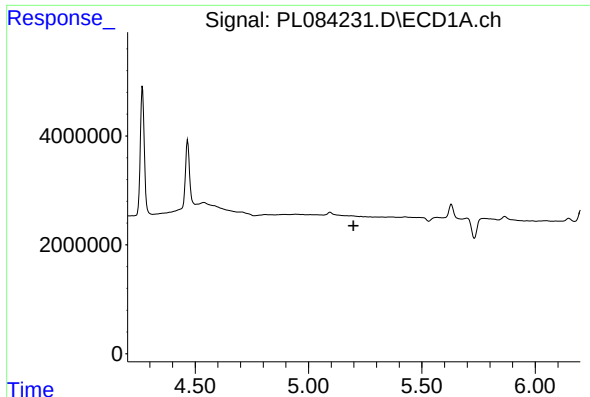
#4 Heptachlor

R.T.: 4.835 min  
Delta R.T.: -0.021 min  
Response: 129927  
Conc: 0.05 ng/ml



#4 Heptachlor

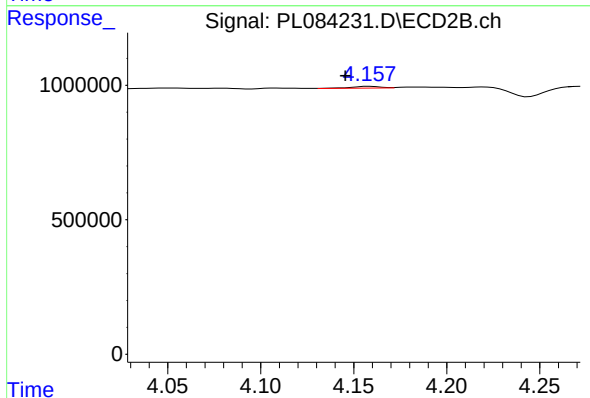
R.T.: 0.000 min  
Exp R.T. : 3.865 min  
Response: 0  
Conc: N.D.



#5 Aldrin

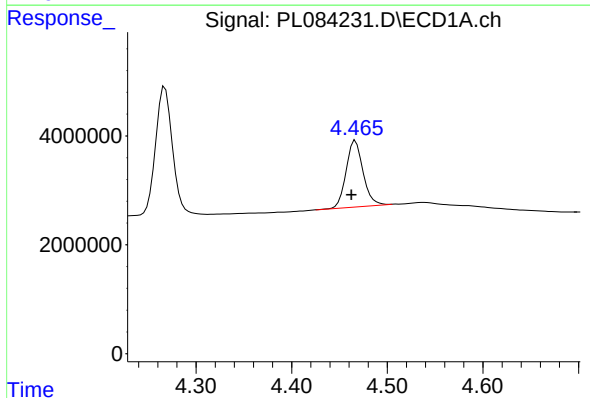
R.T.: 0.000 min  
Exp R.T.: 5.199 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



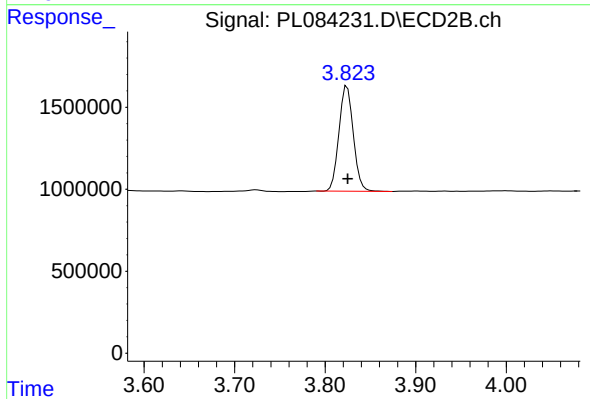
#5 Aldrin

R.T.: 4.159 min  
Delta R.T.: 0.013 min  
Response: 75237  
Conc: 0.05 ng/ml



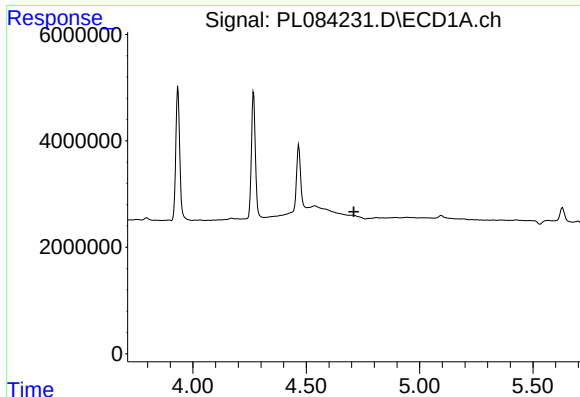
#6 beta-BHC

R.T.: 4.467 min  
Delta R.T.: 0.004 min  
Response: 15214333  
Conc: 12.68 ng/ml



#6 beta-BHC

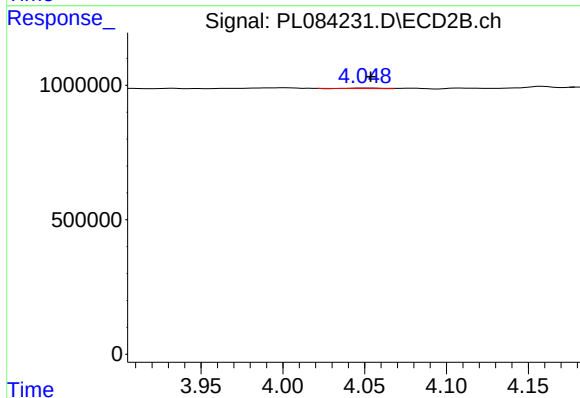
R.T.: 3.824 min  
Delta R.T.: 0.000 min  
Response: 7076748  
Conc: 10.72 ng/ml



#7 delta-BHC

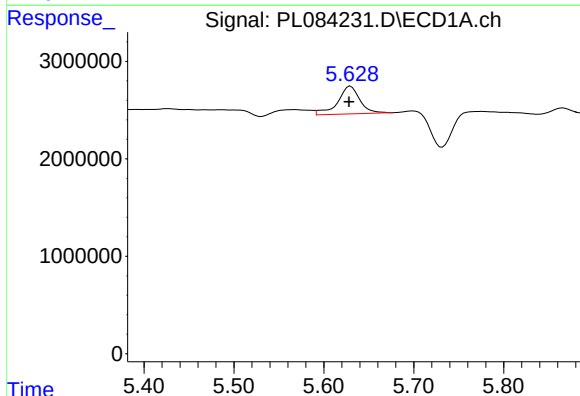
R.T.: 0.000 min  
Exp R.T.: 4.709 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



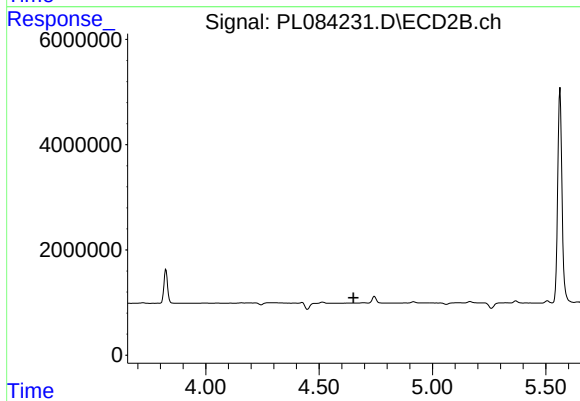
#7 delta-BHC

R.T.: 4.050 min  
Delta R.T.: -0.004 min  
Response: 29224  
Conc: 0.02 ng/ml



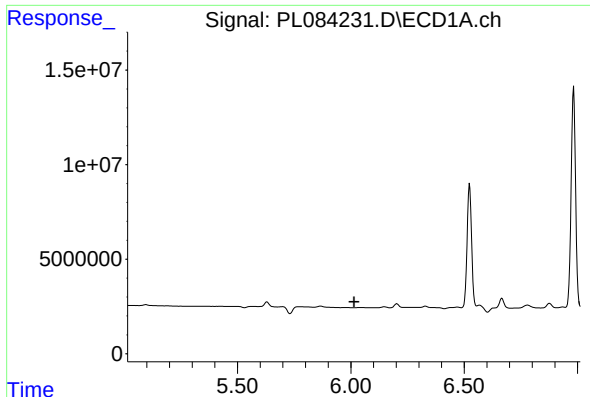
#8 Heptachlor epoxide

R.T.: 5.630 min  
Delta R.T.: 0.002 min  
Response: 4868270  
Conc: 1.82 ng/ml



#8 Heptachlor epoxide

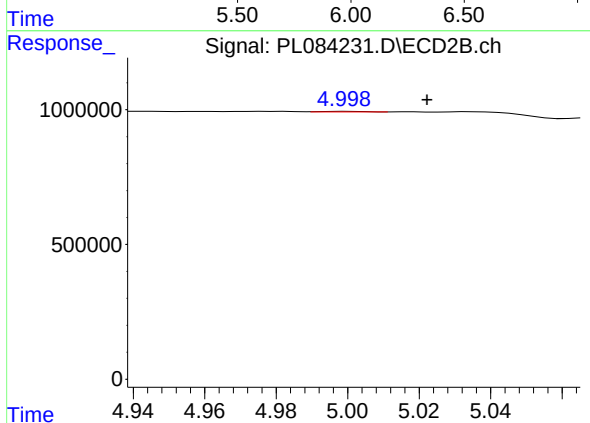
R.T.: 0.000 min  
Exp R.T.: 4.652 min  
Response: 0  
Conc: N.D.



#9 Endosulfan I

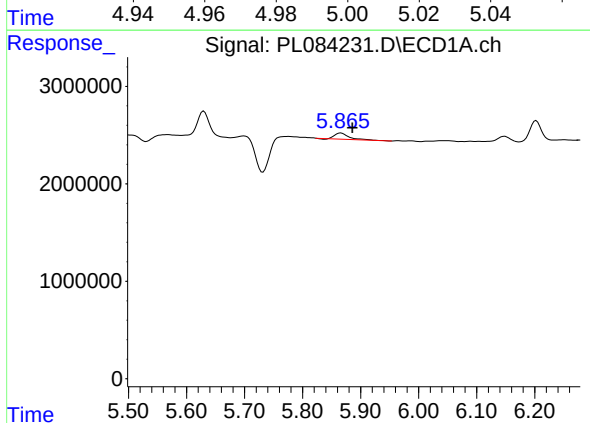
R.T.: 0.000 min  
Exp R.T.: 6.014 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



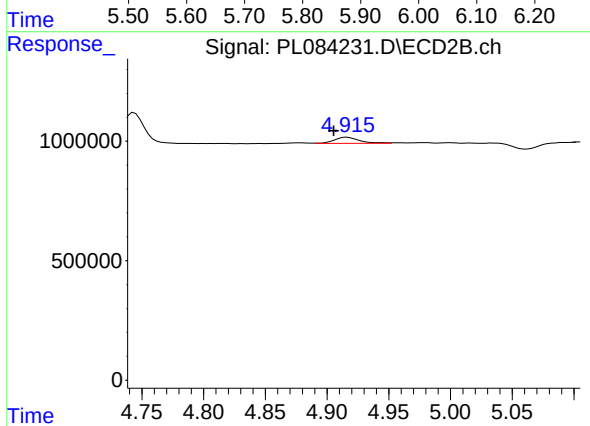
#9 Endosulfan I

R.T.: 5.000 min  
Delta R.T.: -0.023 min  
Response: 16891  
Conc: 0.01 ng/ml



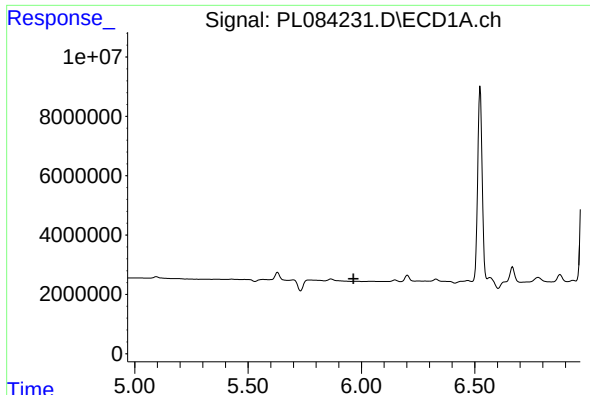
#10 gamma-Chlordane

R.T.: 5.866 min  
Delta R.T.: -0.020 min  
Response: 1105549  
Conc: 0.43 ng/ml



#10 gamma-Chlordane

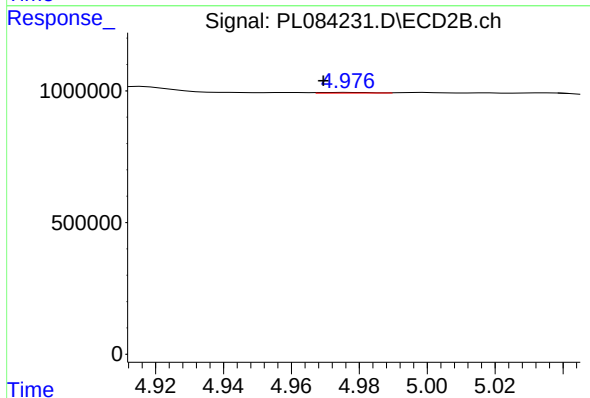
R.T.: 4.916 min  
Delta R.T.: 0.011 min  
Response: 372998  
Conc: 0.28 ng/ml



#11 alpha-Chlordane

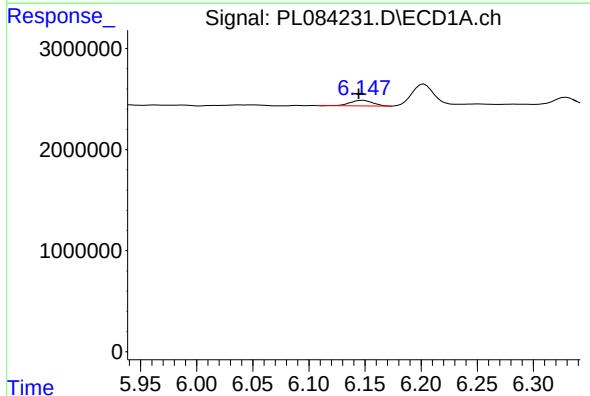
R.T.: 0.000 min  
Exp R.T.: 5.965 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



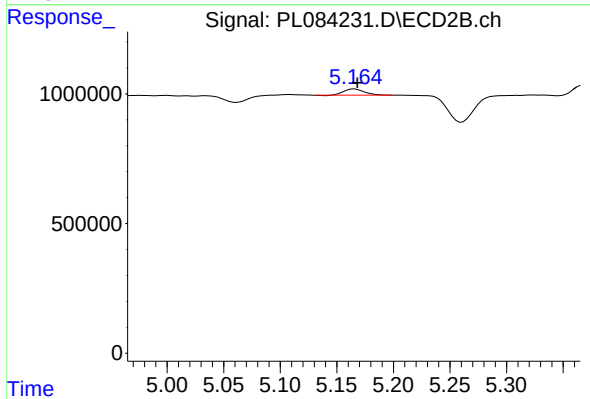
#11 alpha-Chlordane

R.T.: 4.978 min  
Delta R.T.: 0.008 min  
Response: 26598  
Conc: 0.02 ng/ml



#12 4,4'-DDE

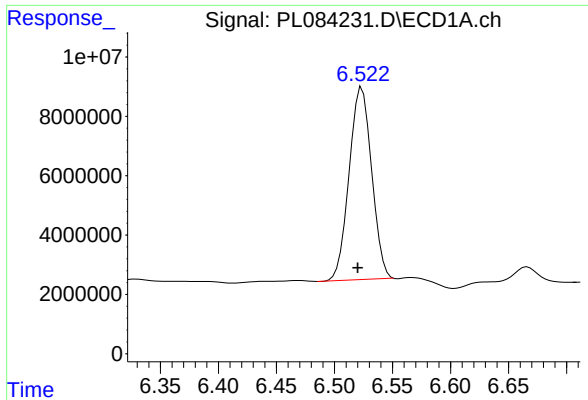
R.T.: 6.148 min  
Delta R.T.: 0.004 min  
Response: 772721  
Conc: 0.38 ng/ml



#12 4,4'-DDE

R.T.: 5.166 min  
Delta R.T.: -0.002 min  
Response: 302619  
Conc: 0.25 ng/ml

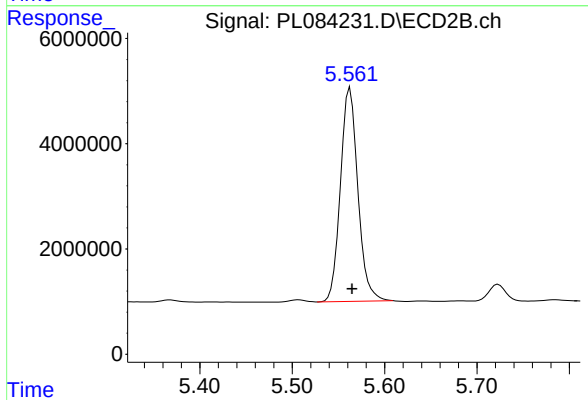




#14 Endrin

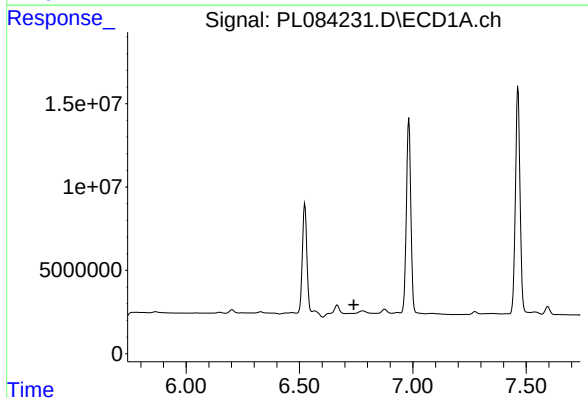
R.T.: 6.524 min  
Delta R.T.: 0.004 min  
Response: 87494720  
Conc: 45.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



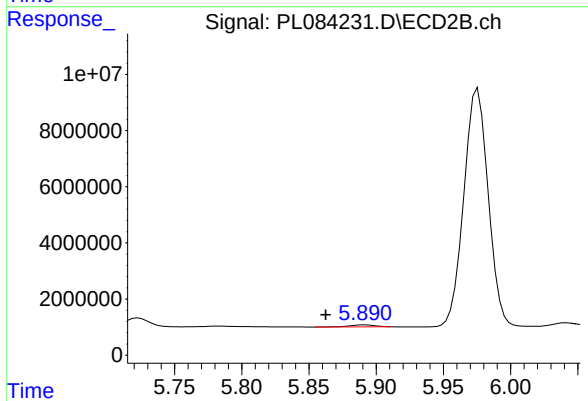
#14 Endrin

R.T.: 5.563 min  
Delta R.T.: -0.002 min  
Response: 53321443  
Conc: 48.51 ng/ml



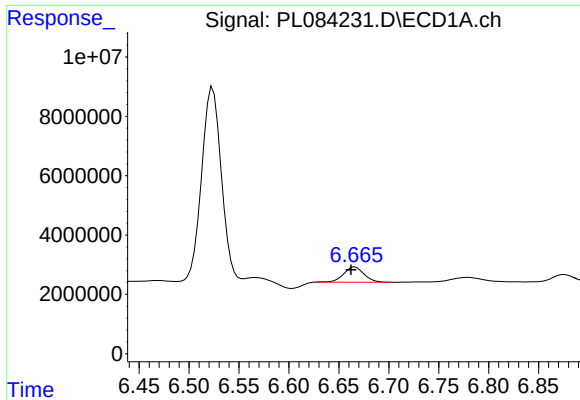
#15 Endosulfan II

R.T.: 0.000 min  
Exp R.T. : 6.740 min  
Response: 0  
Conc: N.D.



#15 Endosulfan II

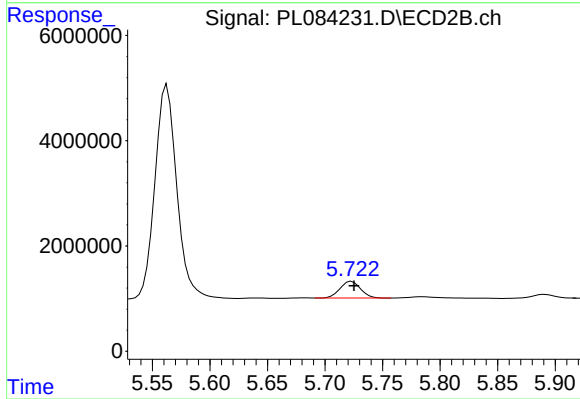
R.T.: 5.891 min  
Delta R.T.: 0.029 min  
Response: 882034  
Conc: 0.77 ng/ml



#16 4,4'-DDD

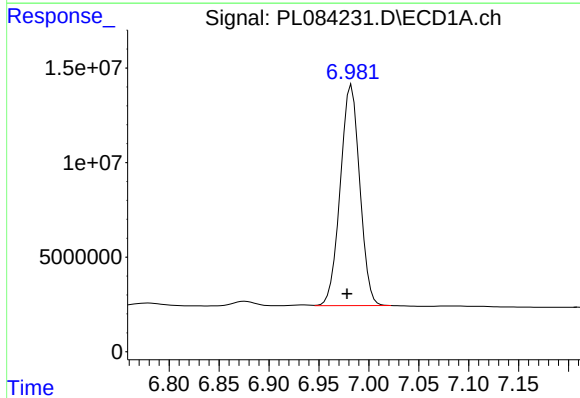
R.T.: 6.666 min  
Delta R.T.: 0.004 min  
Response: 7261735  
Conc: 4.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



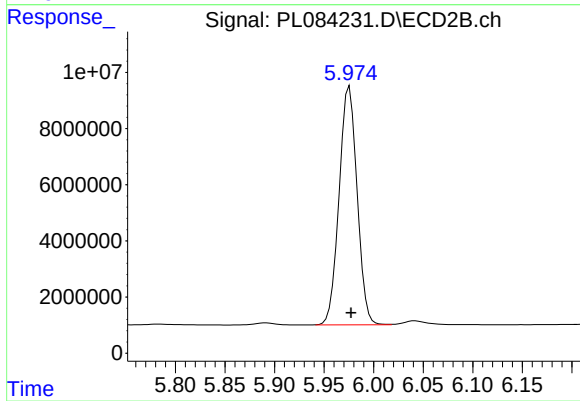
#16 4,4'-DDD

R.T.: 5.723 min  
Delta R.T.: -0.002 min  
Response: 3951423  
Conc: 4.12 ng/ml



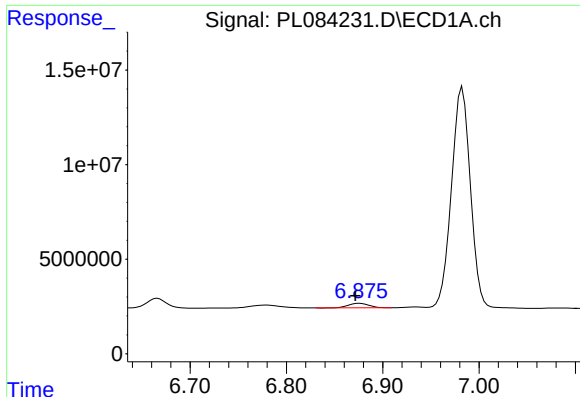
#17 4,4'-DDT

R.T.: 6.983 min  
Delta R.T.: 0.004 min  
Response: 158326971  
Conc: 99.28 ng/ml



#17 4,4'-DDT

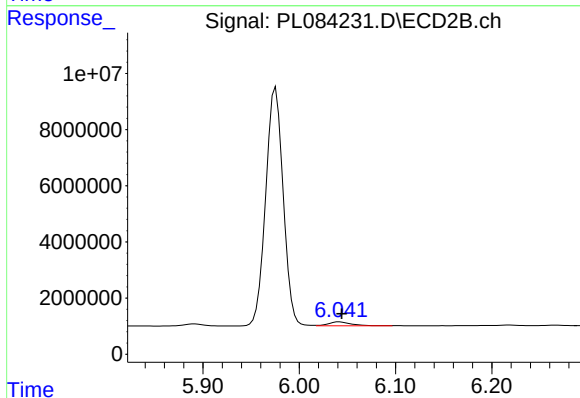
R.T.: 5.976 min  
Delta R.T.: -0.002 min  
Response: 107323693  
Conc: 117.84 ng/ml



#18 Endrin aldehyde

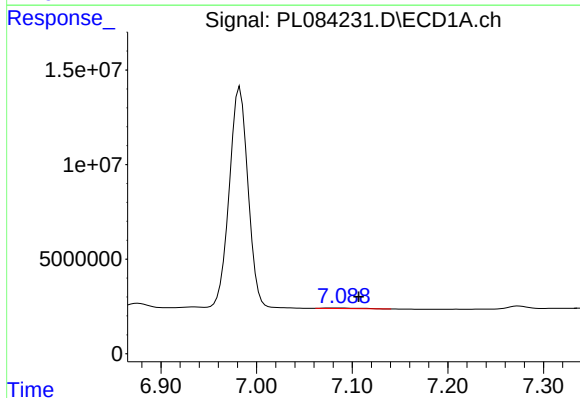
R.T.: 6.876 min  
Delta R.T.: 0.005 min  
Response: 3556844  
Conc: 2.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



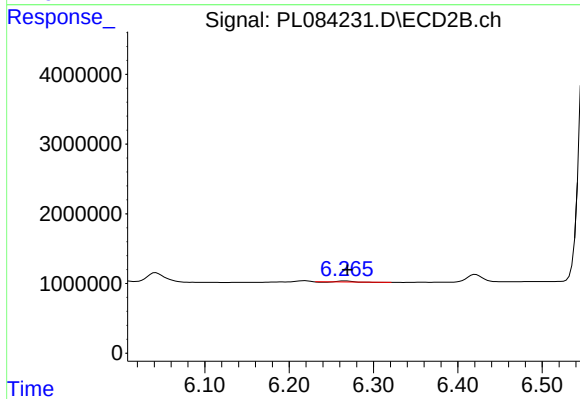
#18 Endrin aldehyde

R.T.: 6.042 min  
Delta R.T.: -0.002 min  
Response: 2282553  
Conc: 2.54 ng/ml



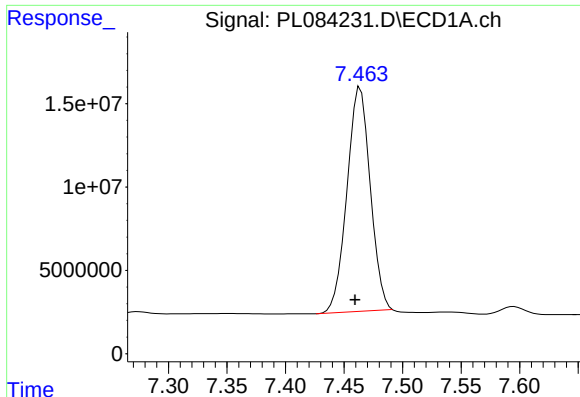
#19 Endosulfan Sulfate

R.T.: 7.087 min  
Delta R.T.: -0.020 min  
Response: 755550  
Conc: 0.44 ng/ml



#19 Endosulfan Sulfate

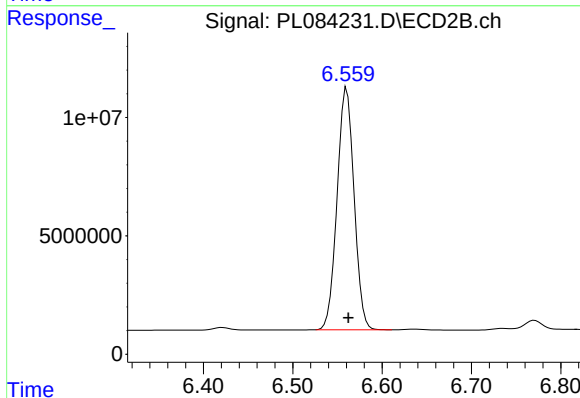
R.T.: 6.267 min  
Delta R.T.: -0.002 min  
Response: 103644  
Conc: 0.09 ng/ml



#20 Methoxychlor

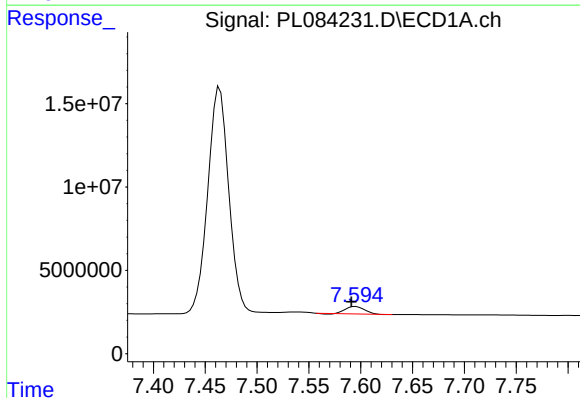
R.T.: 7.464 min  
Delta R.T.: 0.004 min  
Response: 186642114  
Conc: 238.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



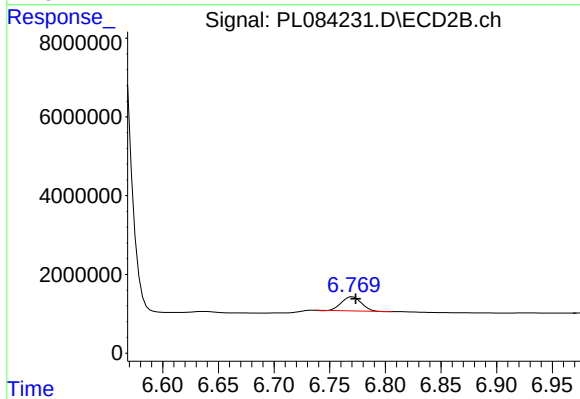
#20 Methoxychlor

R.T.: 6.560 min  
Delta R.T.: -0.002 min  
Response: 134986216  
Conc: 281.67 ng/ml



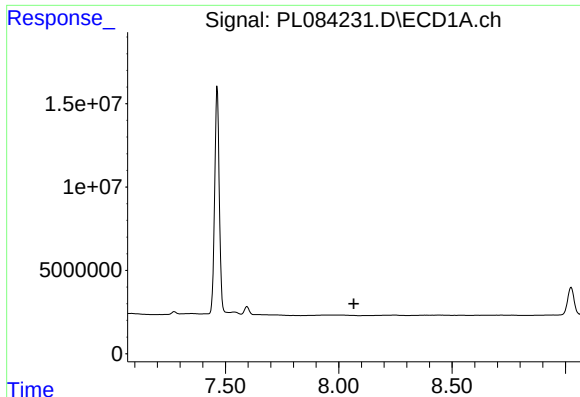
#21 Endrin ketone

R.T.: 7.595 min  
Delta R.T.: 0.004 min  
Response: 5494445  
Conc: 3.14 ng/ml



#21 Endrin ketone

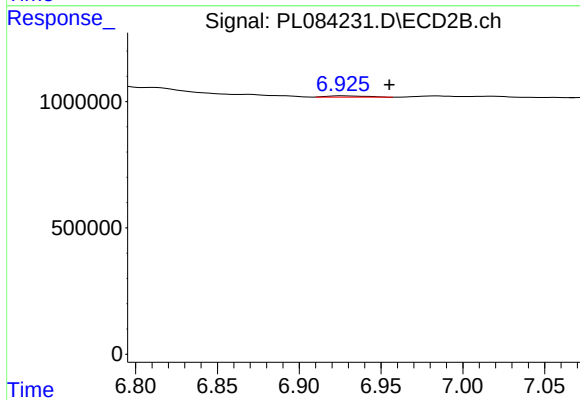
R.T.: 6.771 min  
Delta R.T.: -0.003 min  
Response: 4451358  
Conc: 3.45 ng/ml



#22 Mirex

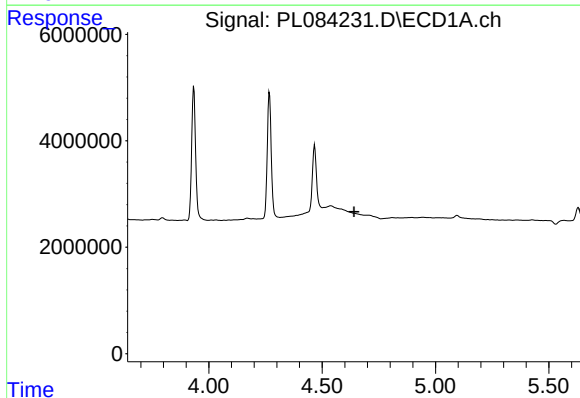
R.T.: 0.000 min  
Exp R.T.: 8.066 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



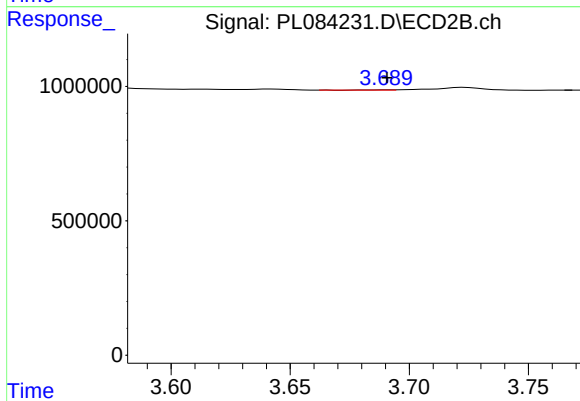
#22 Mirex

R.T.: 6.926 min  
Delta R.T.: -0.029 min  
Response: 83397  
Conc: 0.08 ng/ml



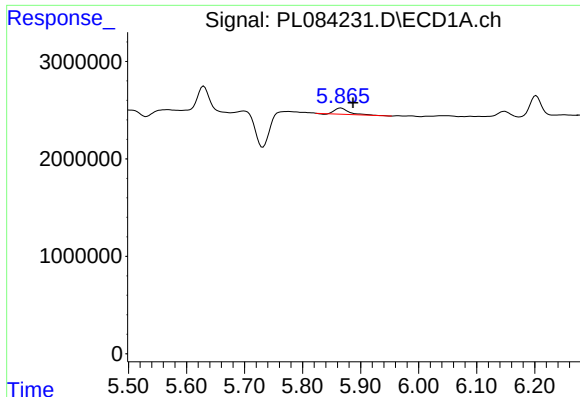
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T.: 4.641 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

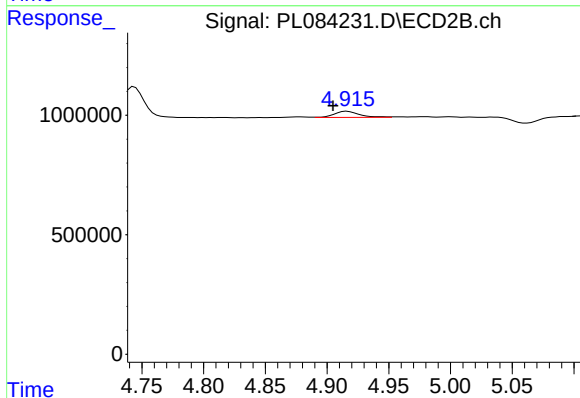
R.T.: 3.691 min  
Delta R.T.: 0.000 min  
Response: 6998  
Conc: 0.02 ng/ml



#25 Chlordane-3

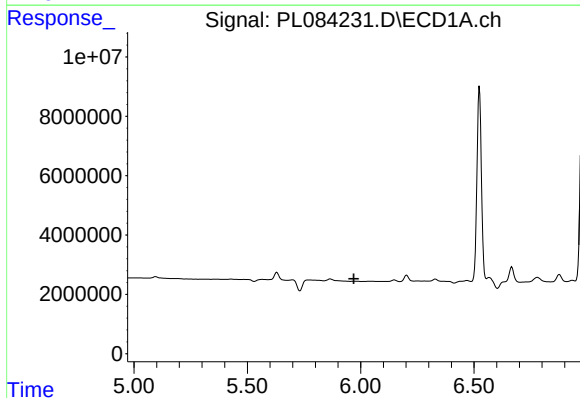
R.T.: 5.866 min  
Delta R.T.: -0.021 min  
Response: 1105549  
Conc: 0.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



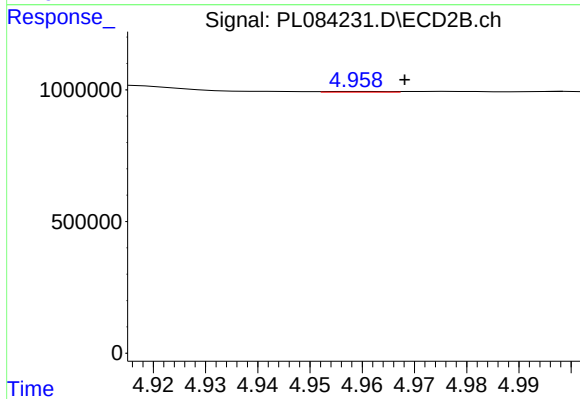
#25 Chlordane-3

R.T.: 4.916 min  
Delta R.T.: 0.011 min  
Response: 372998  
Conc: 0.27 ng/ml



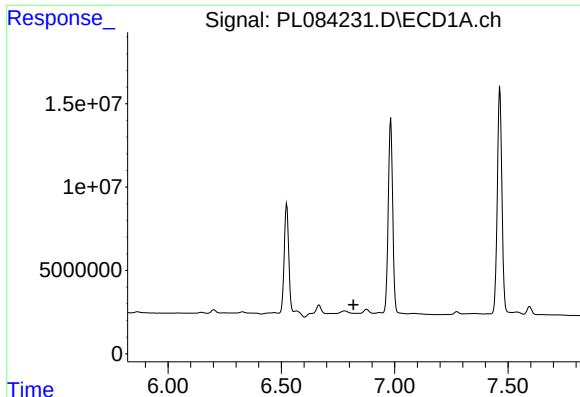
#26 Chlordane-4

R.T.: 0.000 min  
Exp R.T. : 5.970 min  
Response: 0  
Conc: N.D.



#26 Chlordane-4

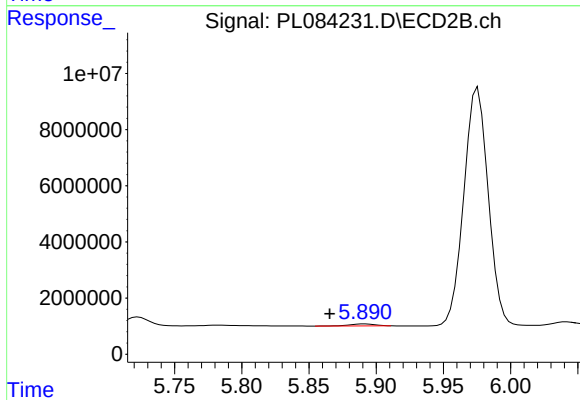
R.T.: 4.960 min  
Delta R.T.: -0.009 min  
Response: 19856  
Conc: 0.01 ng/ml



#27 Chlordane-5

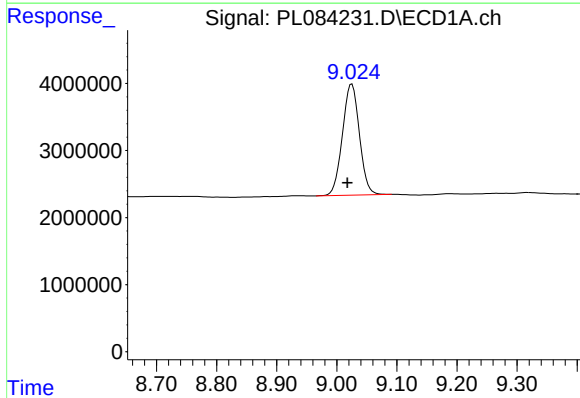
R.T.: 0.000 min  
Exp R.T.: 6.819 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



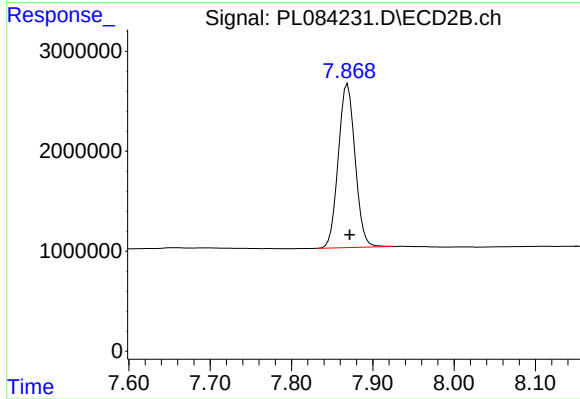
#27 Chlordane-5

R.T.: 5.891 min  
Delta R.T.: 0.026 min  
Response: 882034  
Conc: 1.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.025 min  
Delta R.T.: 0.008 min  
Response: 32470426  
Conc: 24.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.869 min  
Delta R.T.: -0.002 min  
Response: 23503071  
Conc: 21.15 ng/ml