

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL120223\  
 Data File : PL086925.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 01 Dec 2023 14:45  
 Operator : AR\AJ  
 Sample : 05590-01MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 01 21:30:52 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL112923.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Nov 29 06:35:04 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... | 3.342  | 2.610  | 71492224 | 20054635 | 22.361   | 22.051    |
| 28)                         | SA Decachlor... | 8.840  | 7.759  | 58808630 | 23932375 | 22.029   | 21.706    |
| Target Compounds            |                 |        |        |          |          |          |           |
| 2)                          | A alpha-BHC     | 3.796  | 3.108  | 261.5E6  | 71753012 | 56.474   | 56.501    |
| 3)                          | MA gamma-BHC... | 4.127  | 3.435  | 248.4E6  | 68357209 | 56.769   | 55.946    |
| 4)                          | MA Heptachlor   | 4.714  | 3.770  | 252.4E6  | 72823116 | 63.594   | 62.368    |
| 5)                          | MB Aldrin       | 5.053  | 4.046  | 238.8E6  | 69482436 | 56.597   | 56.927    |
| 6)                          | B beta-BHC      | 4.332  | 3.737  | 113.7E6  | 30068824 | 60.778   | 56.831    |
| 7)                          | B delta-BHC     | 4.574  | 3.961  | 234.1E6  | 65414873 | 55.152   | 56.016    |
| 8)                          | B Heptachlo...  | 5.484  | 4.551  | 210.1E6  | 64636611 | 59.318   | 56.780    |
| 9)                          | A Endosulfan I  | 5.868  | 4.918  | 202.3E6  | 62819625 | 56.148   | 49.267    |
| 10)                         | B gamma-Chl...  | 5.742  | 4.803  | 217.4E6  | 65272152 | 57.830   | 56.942    |
| 11)                         | B alpha-Chl...  | 5.821  | 4.867  | 215.6E6  | 66555141 | 57.264   | 50.049    |
| 12)                         | B 4,4'-DDE      | 6.006  | 5.066  | 184.7E6  | 55952381 | 61.081   | 60.945    |
| 13)                         | MA Dieldrin     | 6.145  | 5.185  | 204.0E6  | 62462221 | 58.750   | 58.324    |
| 14)                         | MA Endrin       | 6.373  | 5.458  | 172.7E6  | 56449378 | 66.999   | 66.978    |
| 15)                         | B Endosulfa...  | 6.597  | 5.756  | 157.4E6  | 53615566 | 55.166   | 57.741    |
| 16)                         | A 4,4'-DDD      | 6.524  | 5.622  | 142.9E6  | 45584453 | 61.026   | 59.022    |
| 17)                         | MA 4,4'-DDT     | 6.839  | 5.872  | 159.4E6  | 51937082 | 62.095   | 64.401    |
| 18)                         | B Endrin al...  | 6.728  | 5.937  | 110.9E6  | 43042145 | 51.972   | 61.611    |
| 19)                         | B Endosulfa...  | 6.964  | 6.162  | 165.3E6  | 58178171 | 57.875   | 61.316    |
| 20)                         | A Methoxychlor  | 7.326  | 6.457  | 79444968 | 30577794 | 60.164   | 59.407    |
| 21)                         | B Endrin ke...  | 7.446  | 6.663  | 170.4E6  | 64779352 | 56.981   | 56.750    |
| 22)                         | Mirex           | 7.918  | 6.839  | 138.6E6  | 54520901 | 54.188   | 52.532    |
| 23)                         | Chlordane-1     | 0.000  | 3.624f | 0        | 2732219  | N.D.     | 79.662 #  |
| 24)                         | Chlordane-2     | 5.053f | 4.158f | 238.8E6  | 110452   | 1693.090 | 2.689 #   |
| 25)                         | Chlordane-3     | 5.742  | 4.803  | 217.4E6  | 65272152 | 410.859  | 596.042 # |
| 26)                         | Chlordane-4     | 5.821  | 4.867  | 215.6E6  | 66555141 | 323.339  | 489.710 # |
| 27)                         | Chlordane-5     | 0.000  | 5.537  | 0        | 179112   | N.D.     | 5.768 #   |
| -----                       |                 |        |        |          |          |          |           |

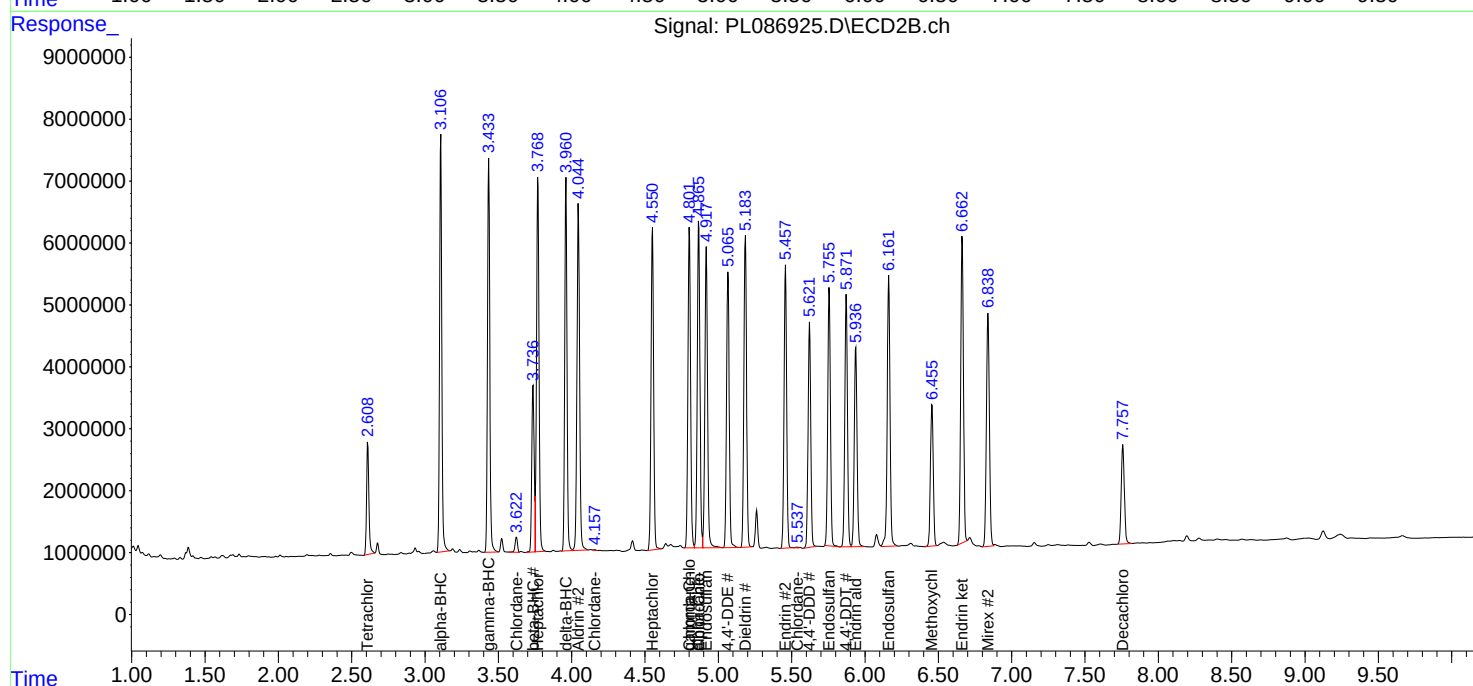
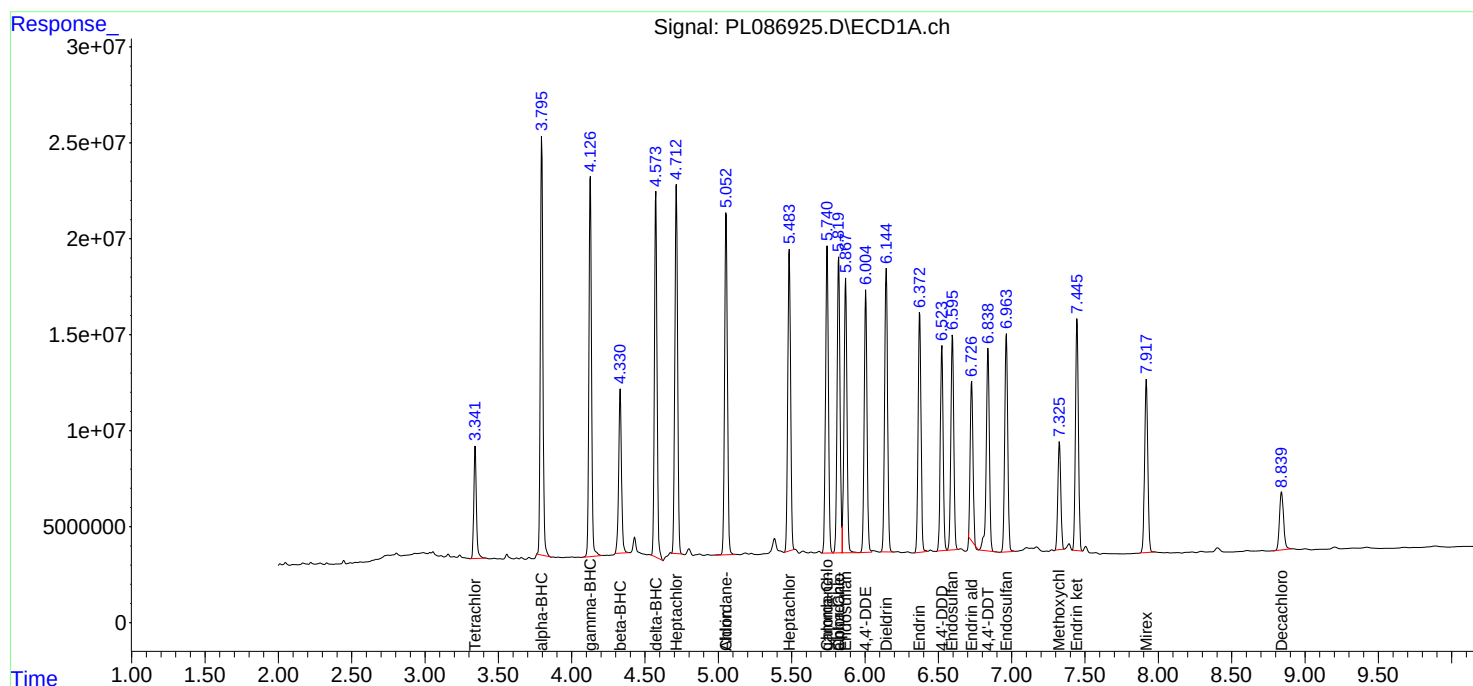
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

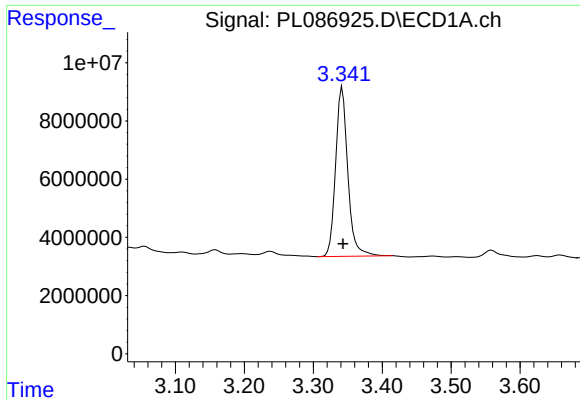
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL120223\  
Data File : PL086925.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 01 Dec 2023 14:45  
Operator : AR\AJ  
Sample : 05590-01MSD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 01 21:30:52 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL112923.M  
Quant Title : GC Extractables  
QLast Update : Wed Nov 29 06:35:04 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

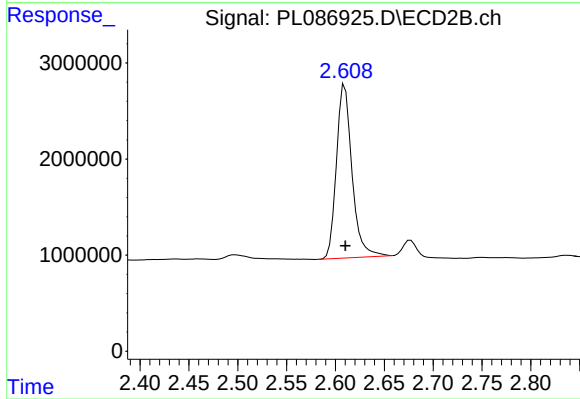




#1 Tetrachloro-m-xylene

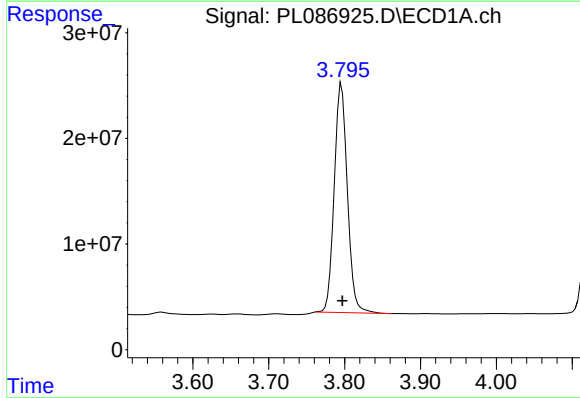
R.T.: 3.342 min  
Delta R.T.: -0.001 min  
Response: 71492224  
Conc: 22.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



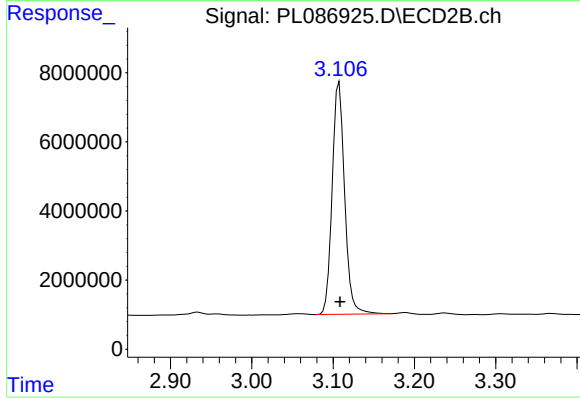
#1 Tetrachloro-m-xylene

R.T.: 2.610 min  
Delta R.T.: 0.000 min  
Response: 20054635  
Conc: 22.05 ng/ml



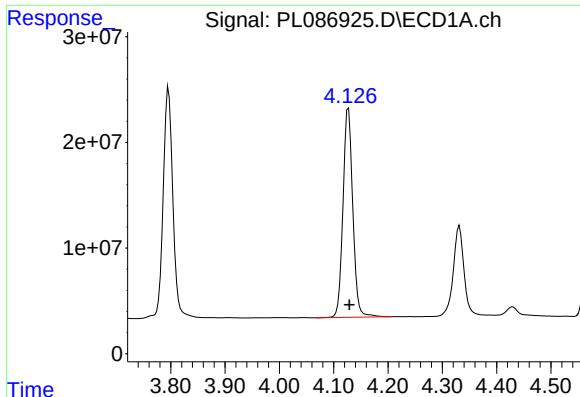
#2 alpha-BHC

R.T.: 3.796 min  
Delta R.T.: -0.001 min  
Response: 261481636  
Conc: 56.47 ng/ml



#2 alpha-BHC

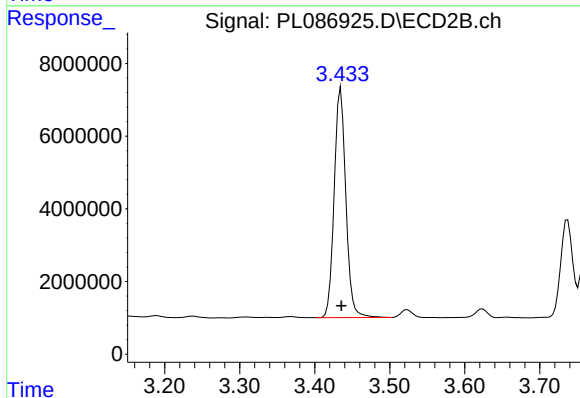
R.T.: 3.108 min  
Delta R.T.: 0.000 min  
Response: 71753012  
Conc: 56.50 ng/ml



#3 gamma-BHC (Lindane)

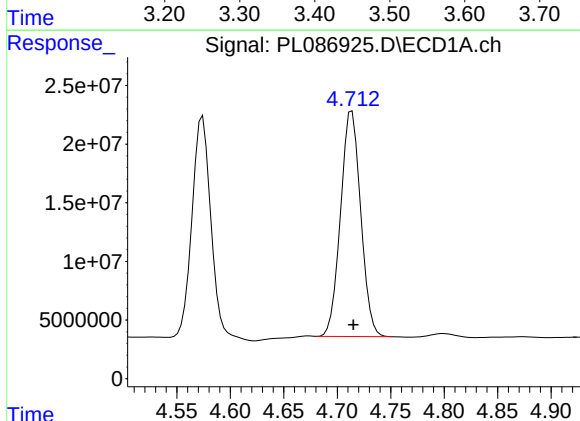
R.T.: 4.127 min  
Delta R.T.: -0.002 min  
Response: 248353136  
Conc: 56.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



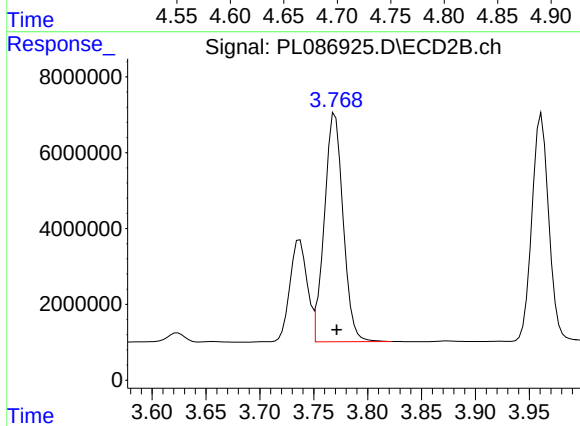
#3 gamma-BHC (Lindane)

R.T.: 3.435 min  
Delta R.T.: 0.000 min  
Response: 68357209  
Conc: 55.95 ng/ml



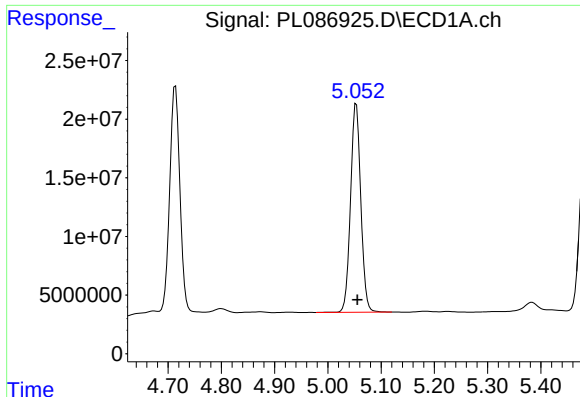
#4 Heptachlor

R.T.: 4.714 min  
Delta R.T.: -0.001 min  
Response: 252387483  
Conc: 63.59 ng/ml



#4 Heptachlor

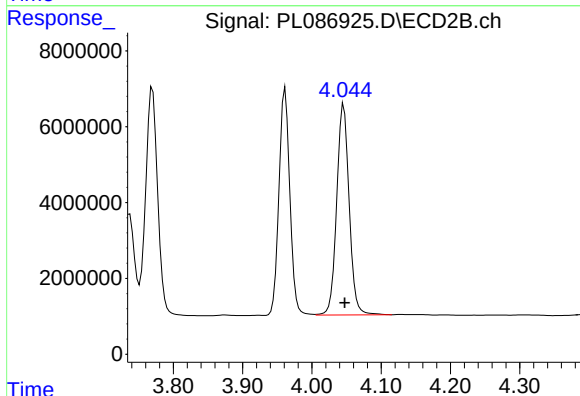
R.T.: 3.770 min  
Delta R.T.: -0.001 min  
Response: 72823116  
Conc: 62.37 ng/ml



#5 Aldrin

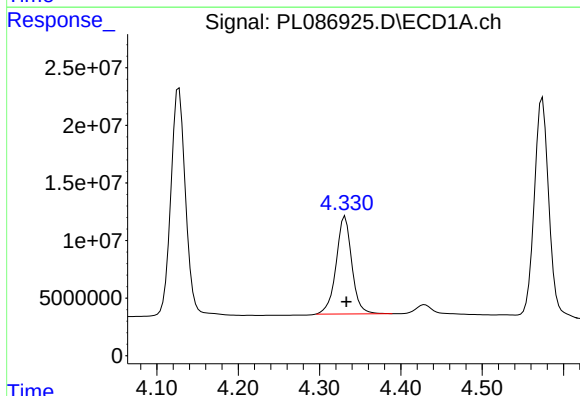
R.T.: 5.053 min  
Delta R.T.: -0.002 min  
Response: 238847042  
Conc: 56.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



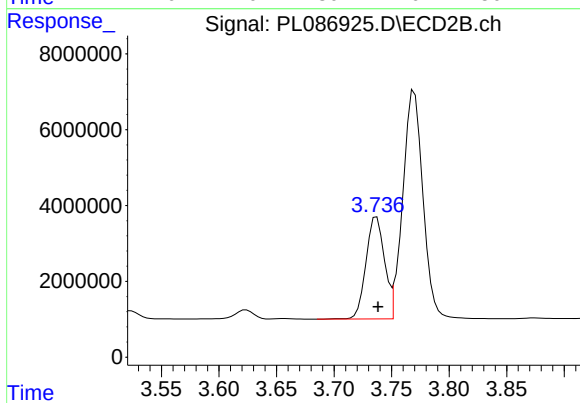
#5 Aldrin

R.T.: 4.046 min  
Delta R.T.: -0.002 min  
Response: 69482436  
Conc: 56.93 ng/ml



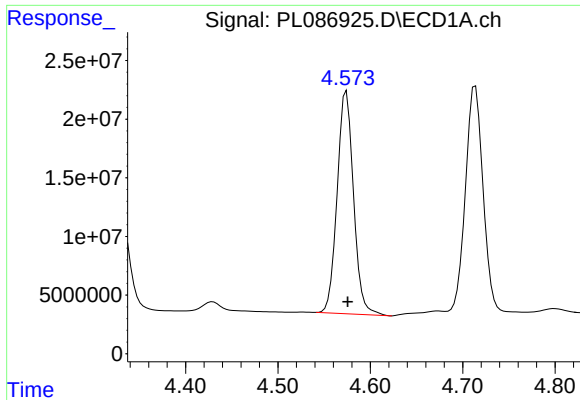
#6 beta-BHC

R.T.: 4.332 min  
Delta R.T.: -0.002 min  
Response: 113694806  
Conc: 60.78 ng/ml



#6 beta-BHC

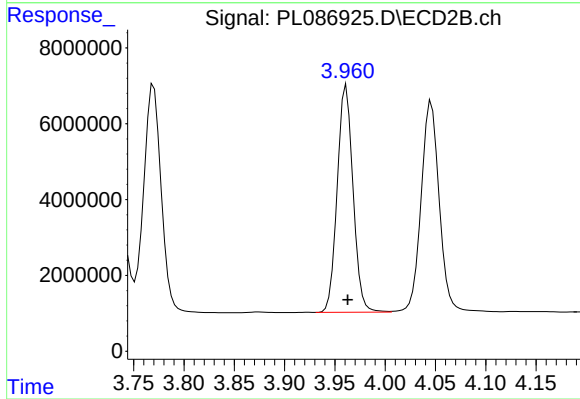
R.T.: 3.737 min  
Delta R.T.: -0.001 min  
Response: 30068824  
Conc: 56.83 ng/ml



#7 delta-BHC

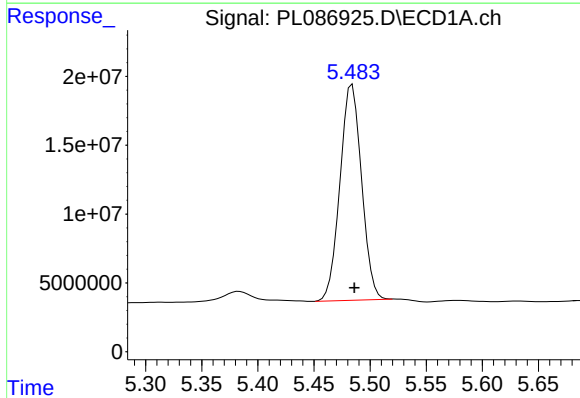
R.T.: 4.574 min  
Delta R.T.: -0.002 min  
Response: 234129889  
Conc: 55.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



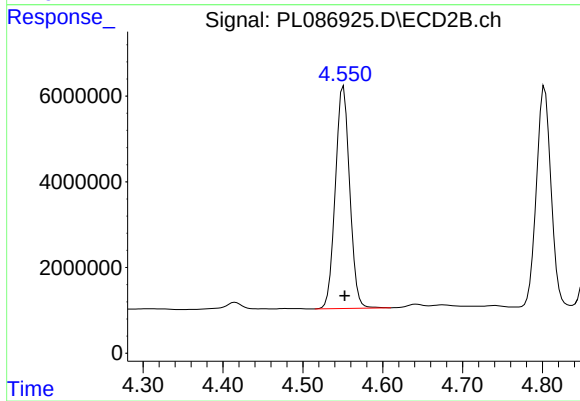
#7 delta-BHC

R.T.: 3.961 min  
Delta R.T.: -0.001 min  
Response: 65414873  
Conc: 56.02 ng/ml



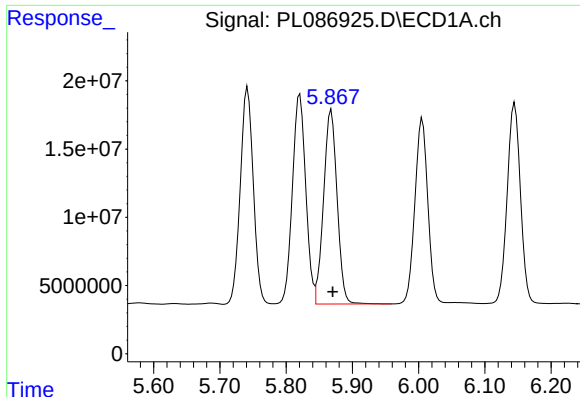
#8 Heptachlor epoxide

R.T.: 5.484 min  
Delta R.T.: -0.002 min  
Response: 210122991  
Conc: 59.32 ng/ml



#8 Heptachlor epoxide

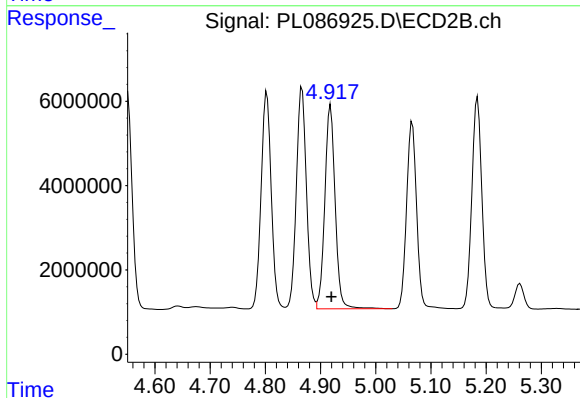
R.T.: 4.551 min  
Delta R.T.: -0.002 min  
Response: 64636611  
Conc: 56.78 ng/ml



#9 Endosulfan I

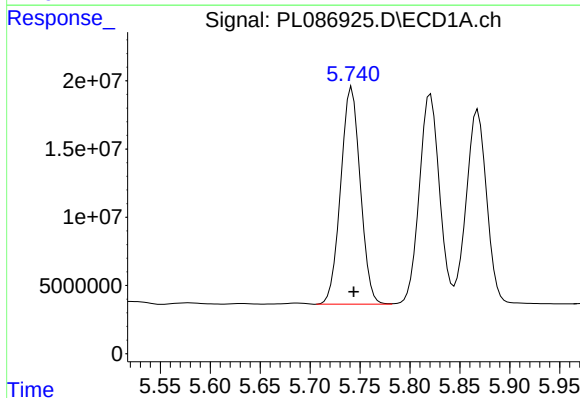
R.T.: 5.868 min  
Delta R.T.: -0.002 min  
Response: 202293051  
Conc: 56.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



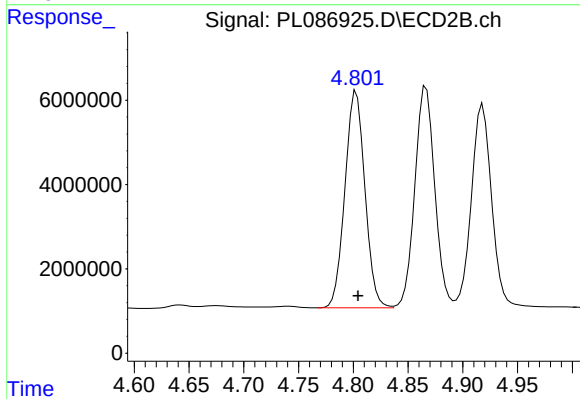
#9 Endosulfan I

R.T.: 4.918 min  
Delta R.T.: -0.001 min  
Response: 62819625  
Conc: 49.27 ng/ml



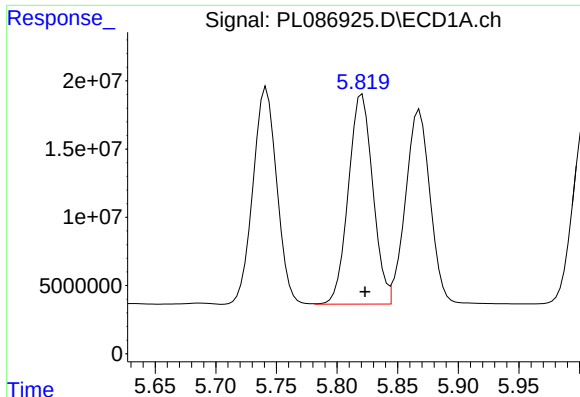
#10 gamma-Chlordane

R.T.: 5.742 min  
Delta R.T.: -0.002 min  
Response: 217434561  
Conc: 57.83 ng/ml



#10 gamma-Chlordane

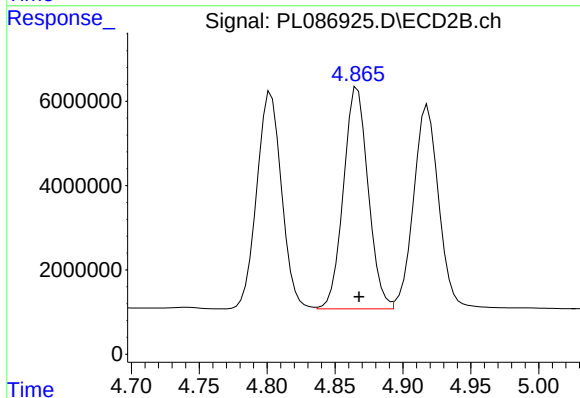
R.T.: 4.803 min  
Delta R.T.: -0.002 min  
Response: 65272152  
Conc: 56.94 ng/ml



#11 alpha-Chlordane

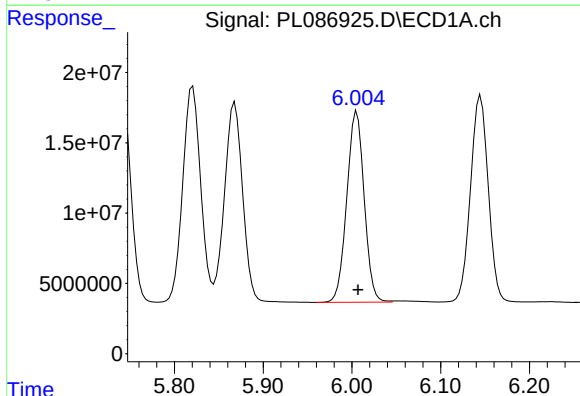
R.T.: 5.821 min  
Delta R.T.: -0.002 min  
Response: 215574264  
Conc: 57.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



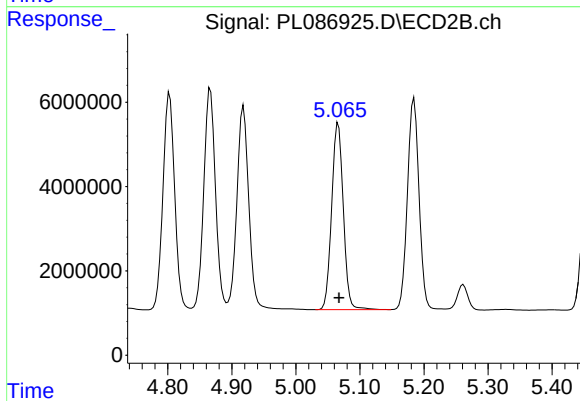
#11 alpha-Chlordane

R.T.: 4.867 min  
Delta R.T.: -0.001 min  
Response: 66555141  
Conc: 50.05 ng/ml



#12 4,4'-DDE

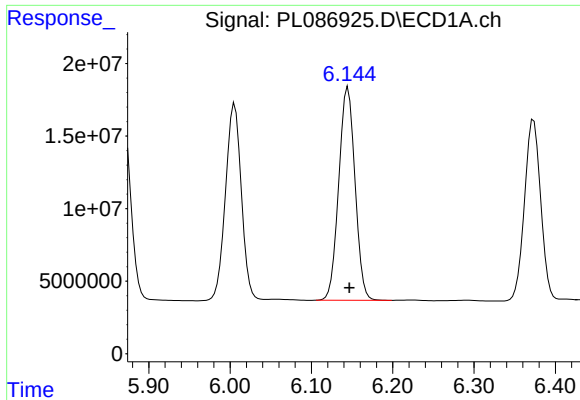
R.T.: 6.006 min  
Delta R.T.: -0.002 min  
Response: 184671491  
Conc: 61.08 ng/ml



#12 4,4'-DDE

R.T.: 5.066 min  
Delta R.T.: -0.001 min  
Response: 55952381  
Conc: 60.95 ng/ml

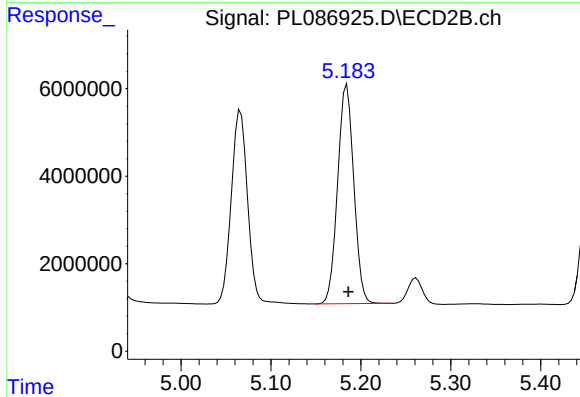




#13 Dieldrin

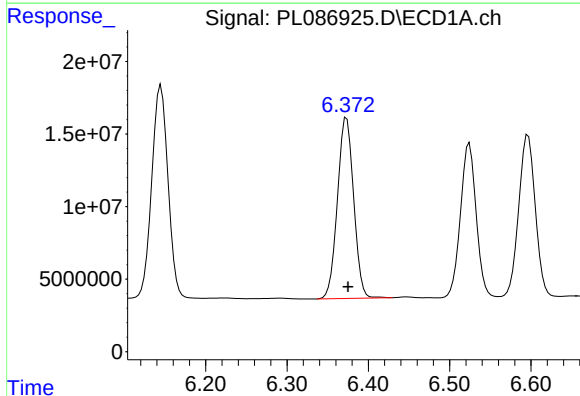
R.T.: 6.145 min  
Delta R.T.: -0.002 min  
Response: 203958910  
Conc: 58.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



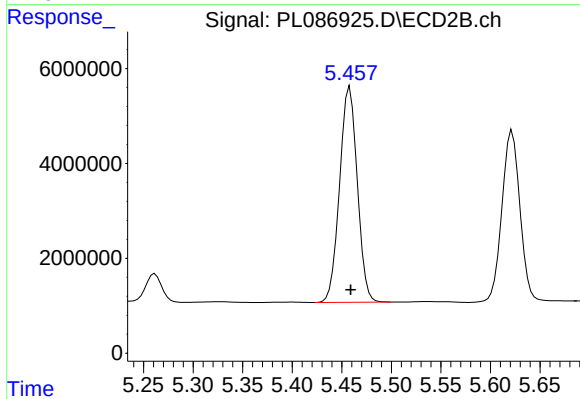
#13 Dieldrin

R.T.: 5.185 min  
Delta R.T.: -0.002 min  
Response: 62462221  
Conc: 58.32 ng/ml



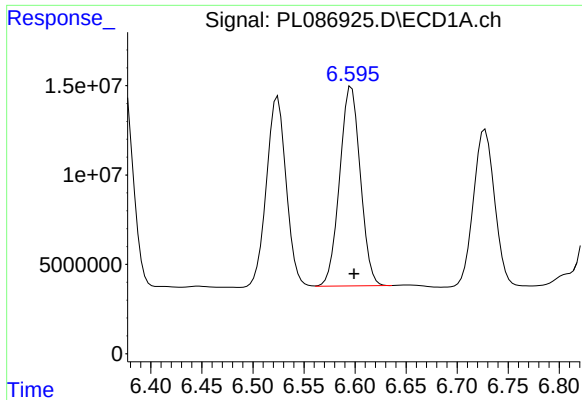
#14 Endrin

R.T.: 6.373 min  
Delta R.T.: -0.002 min  
Response: 172701072  
Conc: 67.00 ng/ml



#14 Endrin

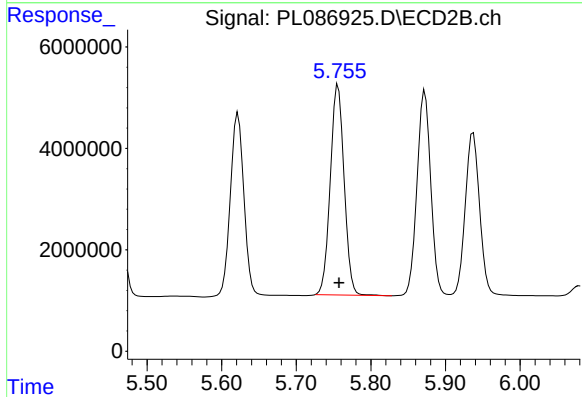
R.T.: 5.458 min  
Delta R.T.: 0.000 min  
Response: 56449378  
Conc: 66.98 ng/ml



#15 Endosulfan II

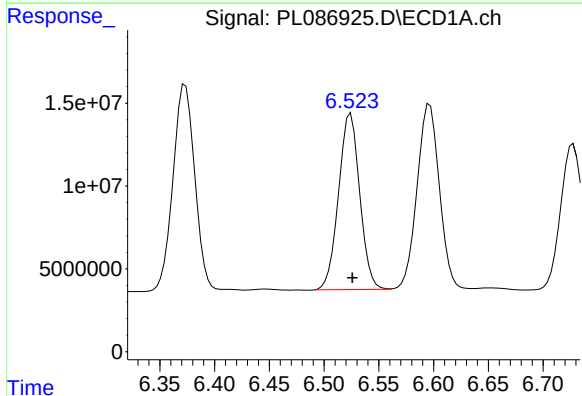
R.T.: 6.597 min  
Delta R.T.: -0.003 min  
Response: 157422268  
Conc: 55.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



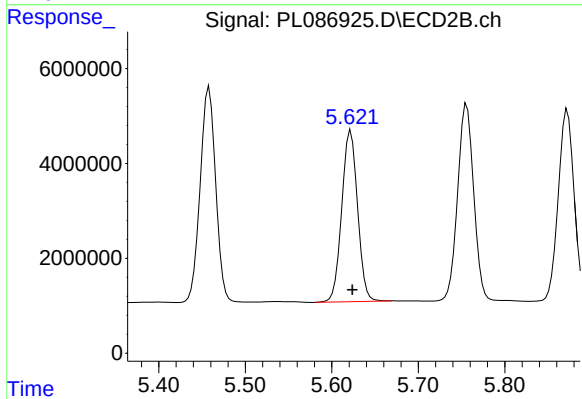
#15 Endosulfan II

R.T.: 5.756 min  
Delta R.T.: -0.001 min  
Response: 53615566  
Conc: 57.74 ng/ml



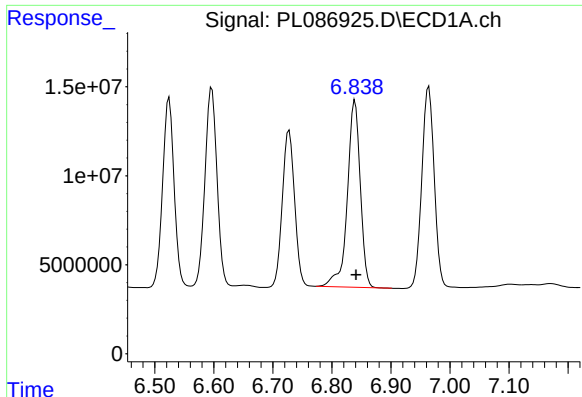
#16 4,4'-DDD

R.T.: 6.524 min  
Delta R.T.: -0.001 min  
Response: 142897348  
Conc: 61.03 ng/ml



#16 4,4'-DDD

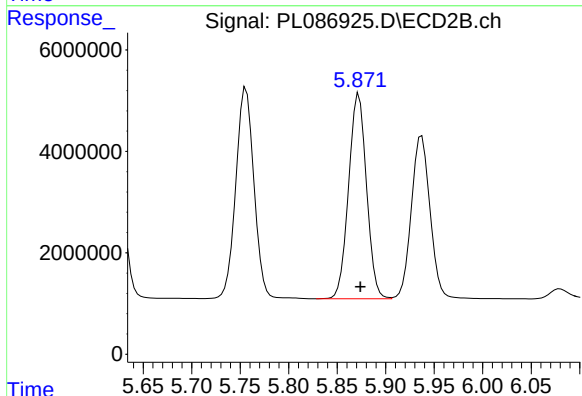
R.T.: 5.622 min  
Delta R.T.: -0.002 min  
Response: 45584453  
Conc: 59.02 ng/ml



#17 4,4'-DDT

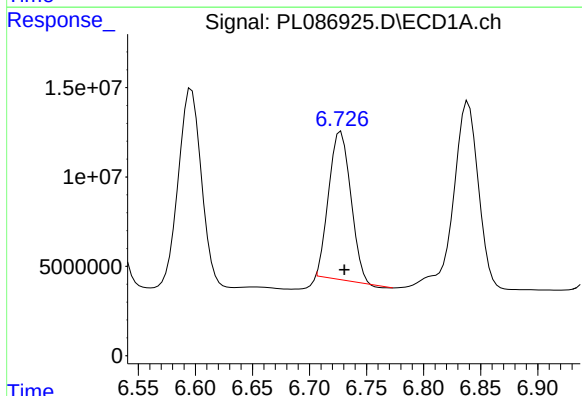
R.T.: 6.839 min  
Delta R.T.: -0.002 min  
Response: 159377213  
Conc: 62.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



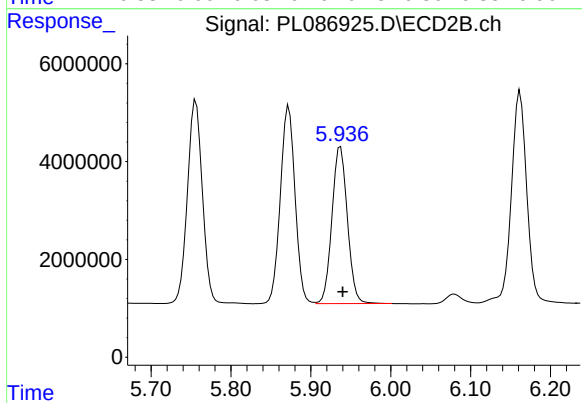
#17 4,4'-DDT

R.T.: 5.872 min  
Delta R.T.: -0.002 min  
Response: 51937082  
Conc: 64.40 ng/ml



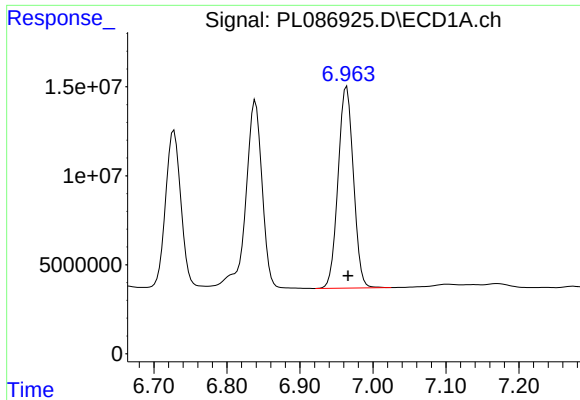
#18 Endrin aldehyde

R.T.: 6.728 min  
Delta R.T.: -0.003 min  
Response: 110867638  
Conc: 51.97 ng/ml



#18 Endrin aldehyde

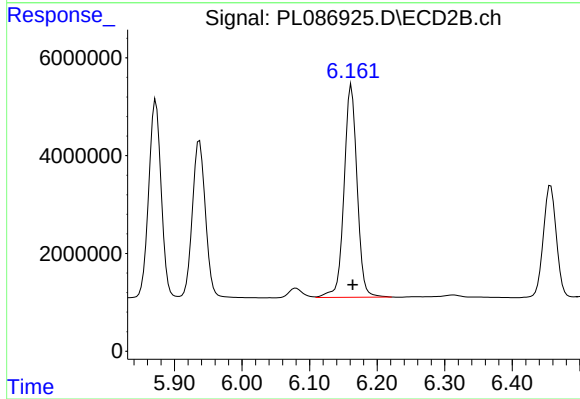
R.T.: 5.937 min  
Delta R.T.: -0.003 min  
Response: 43042145  
Conc: 61.61 ng/ml



#19 Endosulfan Sulfate

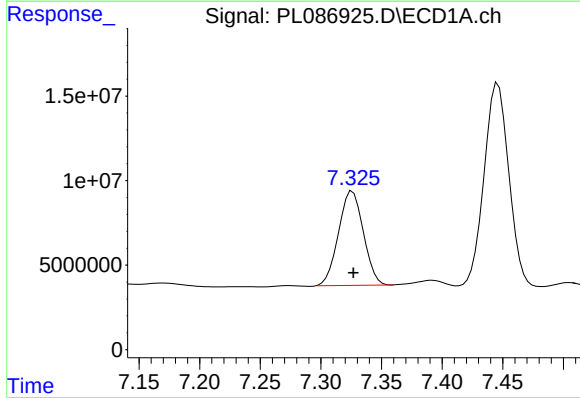
R.T.: 6.964 min  
Delta R.T.: -0.002 min  
Response: 165275330  
Conc: 57.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



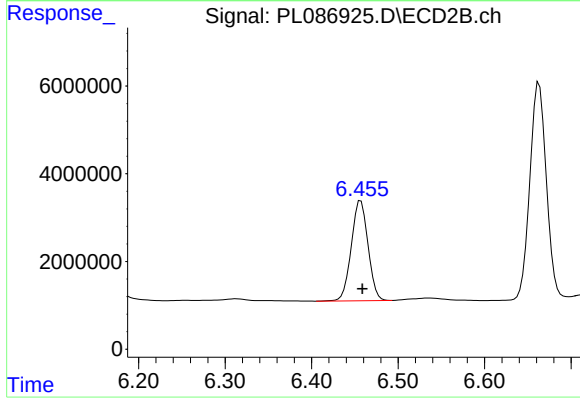
#19 Endosulfan Sulfate

R.T.: 6.162 min  
Delta R.T.: -0.002 min  
Response: 58178171  
Conc: 61.32 ng/ml



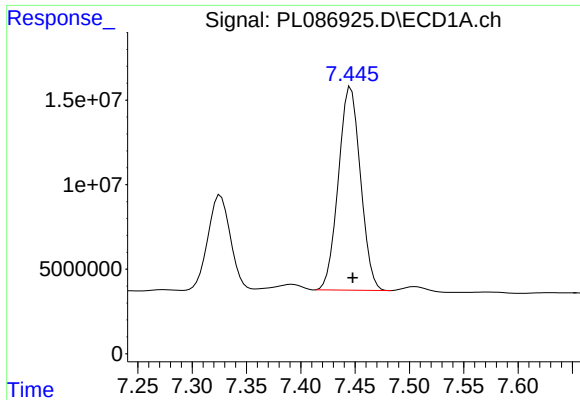
#20 Methoxychlor

R.T.: 7.326 min  
Delta R.T.: 0.000 min  
Response: 79444968  
Conc: 60.16 ng/ml



#20 Methoxychlor

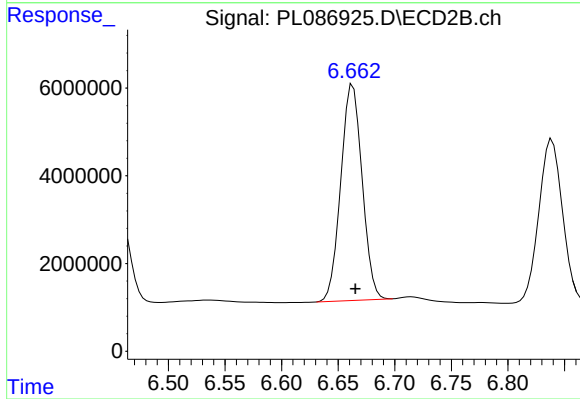
R.T.: 6.457 min  
Delta R.T.: -0.002 min  
Response: 30577794  
Conc: 59.41 ng/ml



#21 Endrin ketone

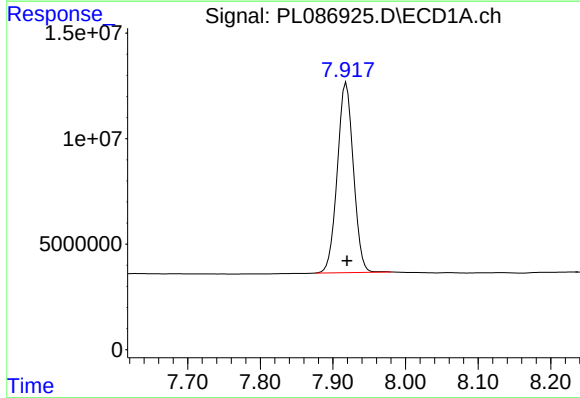
R.T.: 7.446 min  
Delta R.T.: -0.002 min  
Response: 170353936  
Conc: 56.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



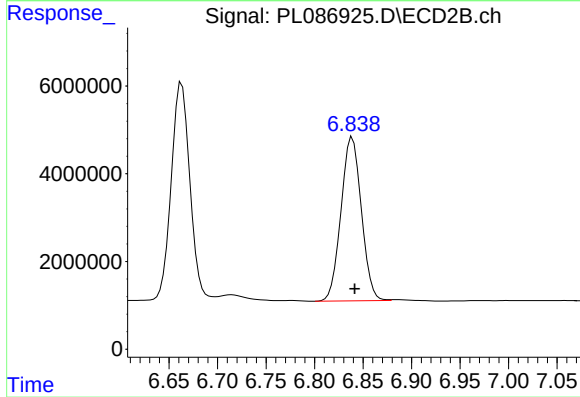
#21 Endrin ketone

R.T.: 6.663 min  
Delta R.T.: -0.002 min  
Response: 64779352  
Conc: 56.75 ng/ml



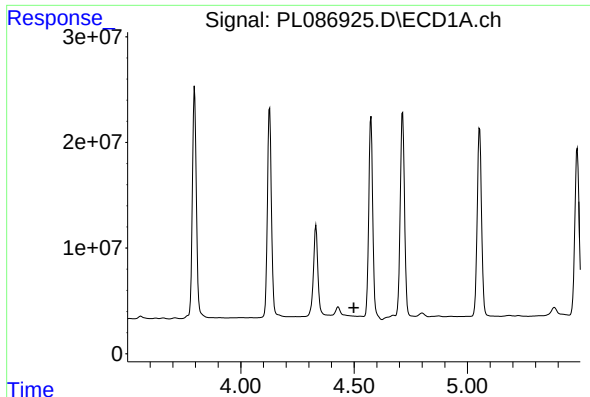
#22 Mirex

R.T.: 7.918 min  
Delta R.T.: -0.001 min  
Response: 138598270  
Conc: 54.19 ng/ml



#22 Mirex

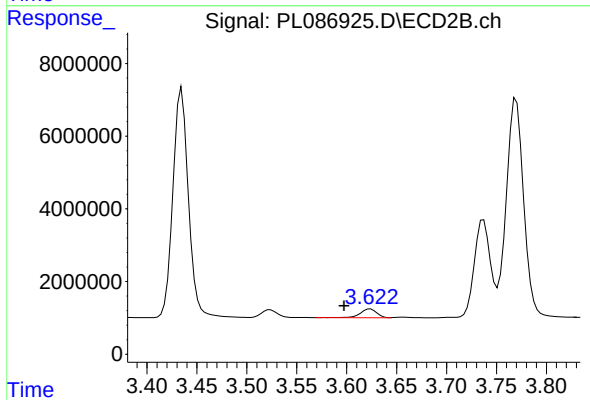
R.T.: 6.839 min  
Delta R.T.: -0.002 min  
Response: 54520901  
Conc: 52.53 ng/ml



#23 Chlordane-1

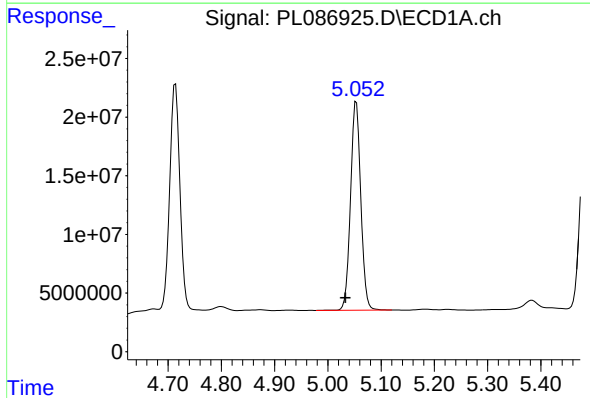
R.T.: 0.000 min  
Exp R.T.: 4.499 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



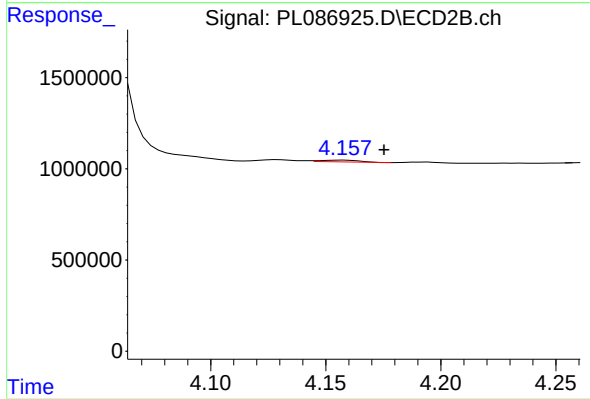
#23 Chlordane-1

R.T.: 3.624 min  
Delta R.T.: 0.026 min  
Response: 2732219  
Conc: 79.66 ng/ml



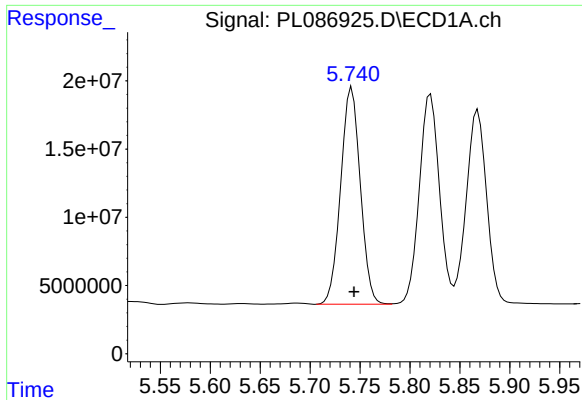
#24 Chlordane-2

R.T.: 5.053 min  
Delta R.T.: 0.021 min  
Response: 238847042  
Conc: 1693.09 ng/ml



#24 Chlordane-2

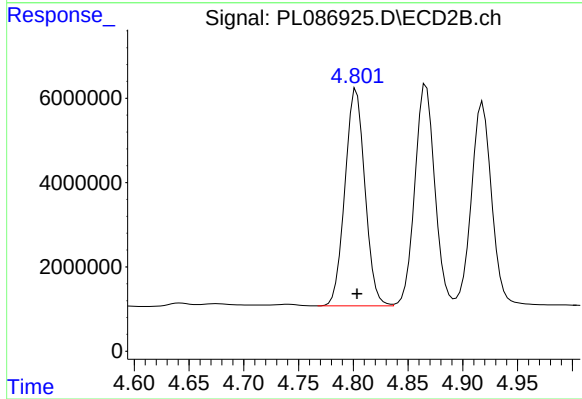
R.T.: 4.158 min  
Delta R.T.: -0.018 min  
Response: 110452  
Conc: 2.69 ng/ml



#25 Chlordane-3

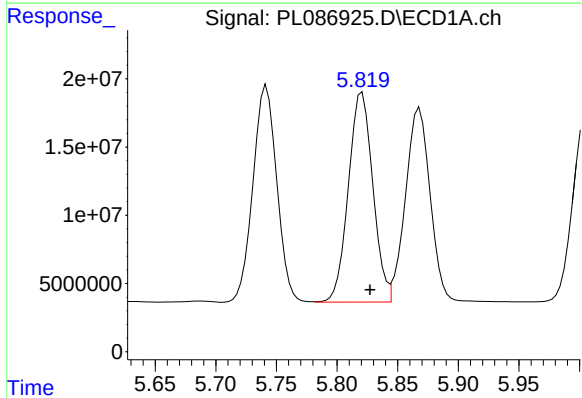
R.T.: 5.742 min  
Delta R.T.: -0.002 min  
Response: 217434561  
Conc: 410.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



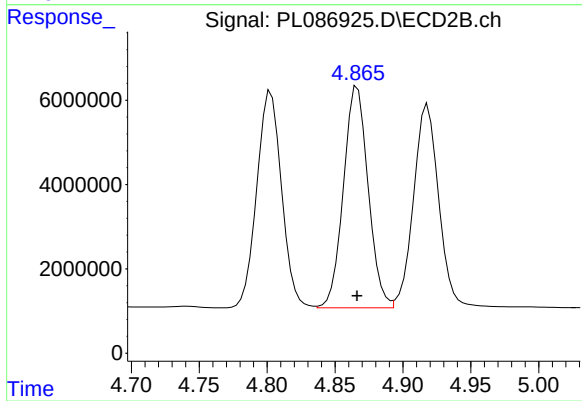
#25 Chlordane-3

R.T.: 4.803 min  
Delta R.T.: 0.000 min  
Response: 65272152  
Conc: 596.04 ng/ml



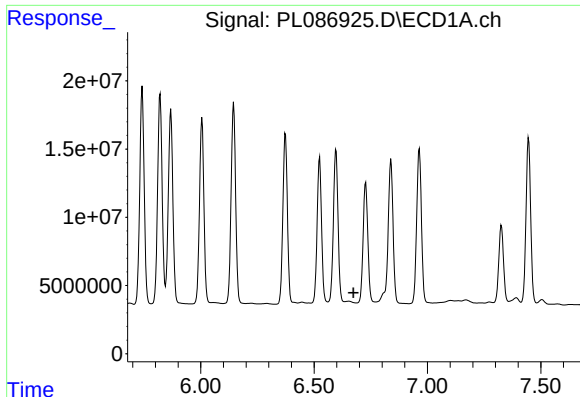
#26 Chlordane-4

R.T.: 5.821 min  
Delta R.T.: -0.007 min  
Response: 215574264  
Conc: 323.34 ng/ml



#26 Chlordane-4

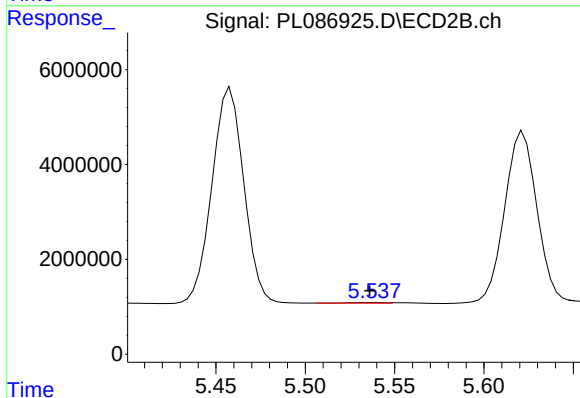
R.T.: 4.867 min  
Delta R.T.: 0.000 min  
Response: 66555141  
Conc: 489.71 ng/ml



#27 Chlordane-5

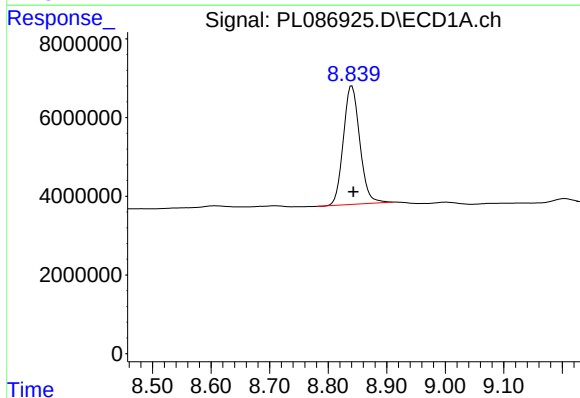
R.T.: 0.000 min  
Exp R.T.: 6.675 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



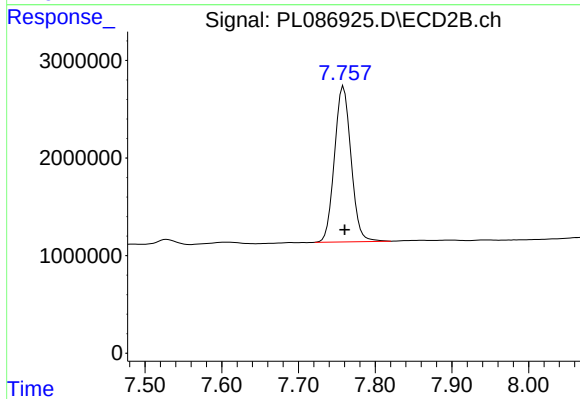
#27 Chlordane-5

R.T.: 5.537 min  
Delta R.T.: 0.001 min  
Response: 179112  
Conc: 5.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.840 min  
Delta R.T.: -0.002 min  
Response: 58808630  
Conc: 22.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.759 min  
Delta R.T.: -0.002 min  
Response: 23932375  
Conc: 21.71 ng/ml