

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL072223\  
 Data File : PL084103.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Jul 2023 16:10  
 Operator : AR\AJ  
 Sample : PB154321BSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 20 21:38:31 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... | 3.484 | 2.689 | 34565739 | 17531517 | 17.284 | 15.786    |
| 28)                         | SA Decachlor... | 9.032 | 7.874 | 26379393 | 21170388 | 20.266 | 19.053    |
| Target Compounds            |                 |       |       |          |          |        |           |
| 2)                          | A alpha-BHC     | 3.942 | 3.195 | 141.9E6  | 72187329 | 48.447 | 44.896    |
| 3)                          | MA gamma-BHC... | 4.276 | 3.526 | 130.8E6  | 67048945 | 46.289 | 44.091    |
| 4)                          | MA Heptachlor   | 4.868 | 3.868 | 145.5E6  | 64879056 | 53.555 | 55.053    |
| 5)                          | MB Aldrin       | 5.211 | 4.148 | 134.0E6  | 64877764 | 46.774 | 43.027    |
| 6)                          | B beta-BHC      | 4.475 | 3.828 | 56783367 | 29855758 | 47.326 | 45.232    |
| 7)                          | B delta-BHC     | 4.722 | 4.057 | 130.4E6  | 67725941 | 48.930 | 44.773    |
| 8)                          | B Heptachlo...  | 5.640 | 4.655 | 126.3E6  | 59569038 | 47.304 | 46.387    |
| 9)                          | A Endosulfan I  | 6.025 | 5.025 | 112.9E6  | 56965767 | 47.664 | 46.445    |
| 10)                         | B gamma-Chl...  | 5.897 | 4.908 | 122.7E6  | 61830149 | 47.526 | 46.413    |
| 11)                         | B alpha-Chl...  | 5.977 | 4.972 | 120.5E6  | 61454032 | 47.413 | 45.618    |
| 12)                         | B 4,4'-DDE      | 6.155 | 5.171 | 100.9E6  | 57101967 | 50.150 | 46.487    |
| 13)                         | MA Dieldrin     | 6.302 | 5.292 | 109.8E6  | 59810821 | 45.964 | 45.925    |
| 14)                         | MA Endrin       | 6.531 | 5.567 | 76958016 | 52609427 | 40.410 | 47.860    |
| 15)                         | B Endosulfa...  | 6.752 | 5.865 | 71044237 | 51174272 | 37.904 | 44.525    |
| 16)                         | A 4,4'-DDD      | 6.673 | 5.729 | 76490964 | 49379049 | 52.087 | 51.472    |
| 17)                         | MA 4,4'-DDT     | 6.990 | 5.980 | 79326213 | 50341531 | 49.741 | 55.272    |
| 18)                         | B Endrin al...  | 6.883 | 6.047 | 69101657 | 42728340 | 47.165 | 47.532    |
| 19)                         | B Endosulfa...  | 7.118 | 6.271 | 76727917 | 53452016 | 44.385 | 48.636    |
| 20)                         | A Methoxychlor  | 7.470 | 6.565 | 34359578 | 27087171 | 43.926 | 56.521 #  |
| 21)                         | B Endrin ke...  | 7.603 | 6.777 | 81920293 | 64667689 | 46.746 | 50.049    |
| 22)                         | Mirex           | 8.078 | 6.958 | 67460748 | 49658913 | 47.144 | 48.653    |
| 24)                         | Chlordane-2     | 0.000 | 4.284 | 0        | 38170    | N.D.   | 0.090 #   |
| 25)                         | Chlordane-3     | 5.897 | 4.908 | 122.7E6  | 61830149 | 34.959 | 45.095 #  |
| 26)                         | Chlordane-4     | 5.977 | 4.972 | 120.5E6  | 61454032 | 29.526 | 42.895 #  |
| 27)                         | Chlordane-5     | 0.000 | 5.865 | 0        | 51174272 | N.D.   | 111.516 # |
| -----                       |                 |       |       |          |          |        |           |

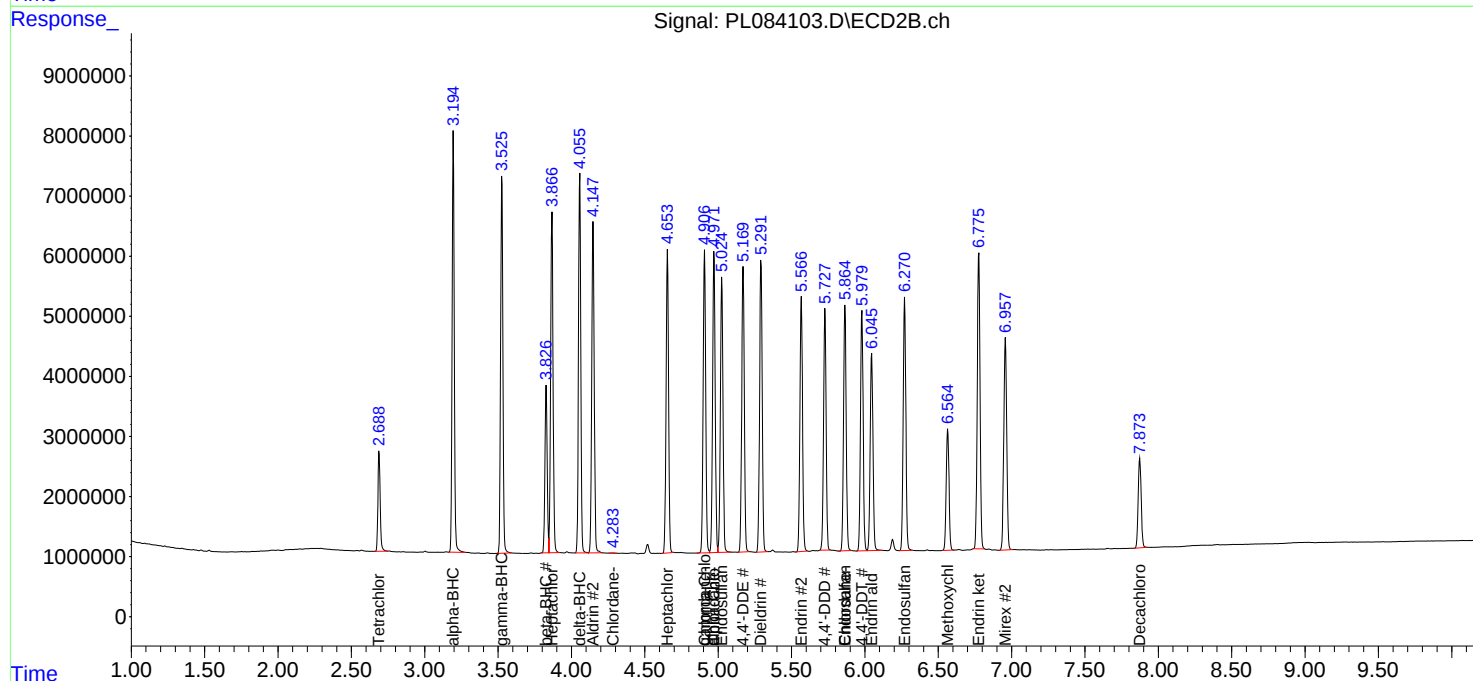
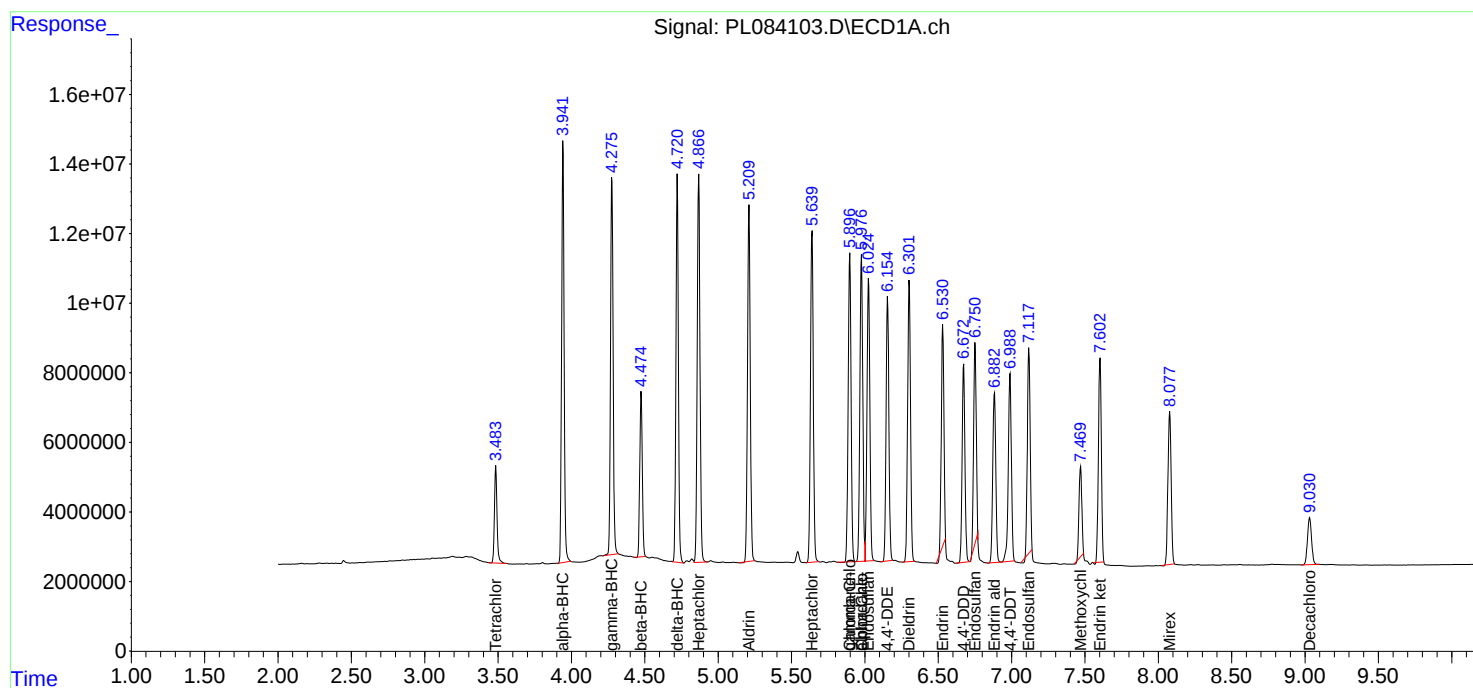
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

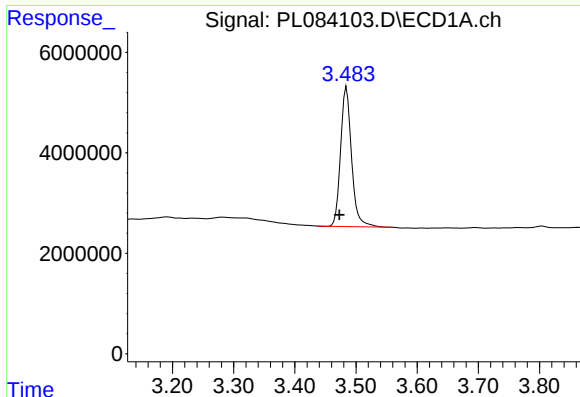
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL072223\  
Data File : PL084103.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Jul 2023 16:10  
Operator : AR\AJ  
Sample : PB154321BSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 20 21:38:31 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

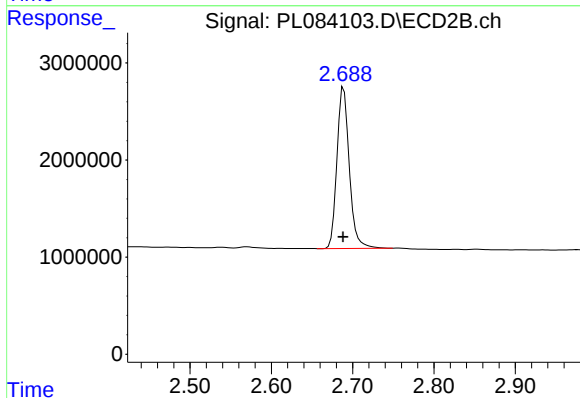




#1 Tetrachloro-m-xylene

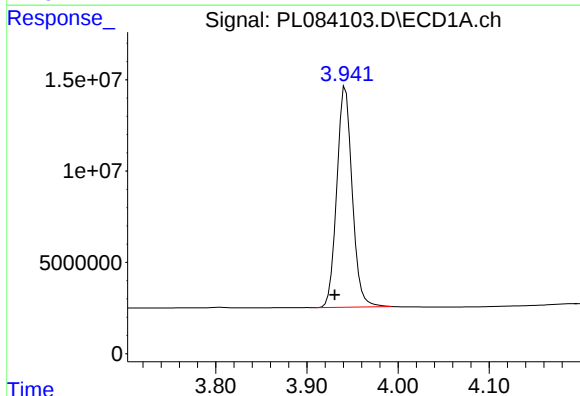
R.T.: 3.484 min  
Delta R.T.: 0.011 min  
Response: 34565739  
Conc: 17.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



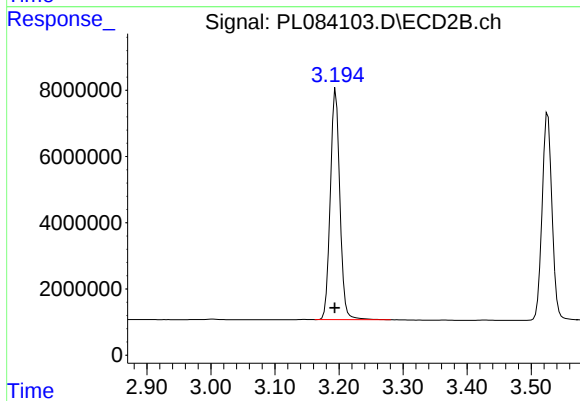
#1 Tetrachloro-m-xylene

R.T.: 2.689 min  
Delta R.T.: 0.000 min  
Response: 17531517  
Conc: 15.79 ng/ml



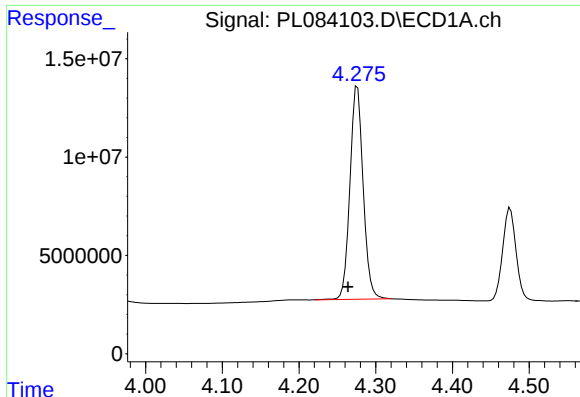
#2 alpha-BHC

R.T.: 3.942 min  
Delta R.T.: 0.012 min  
Response: 141939428  
Conc: 48.45 ng/ml



#2 alpha-BHC

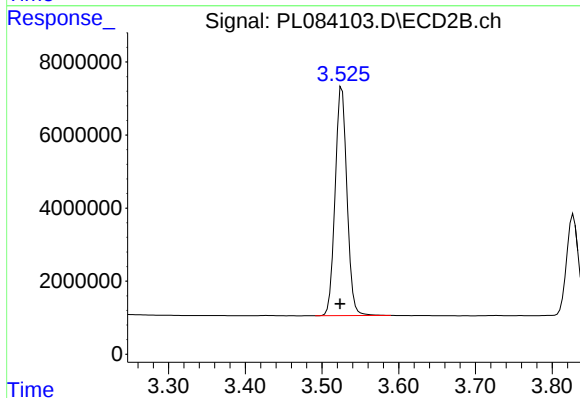
R.T.: 3.195 min  
Delta R.T.: 0.002 min  
Response: 72187329  
Conc: 44.90 ng/ml



#3 gamma-BHC (Lindane)

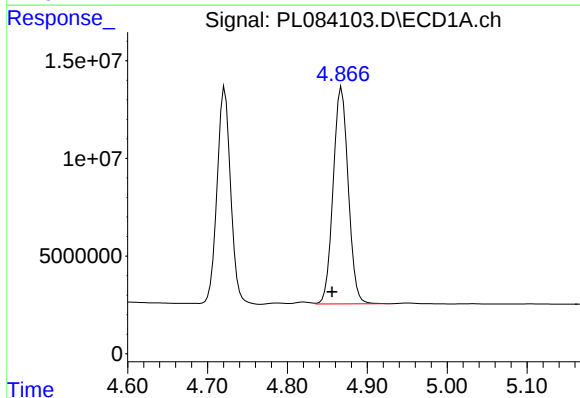
R.T.: 4.276 min  
Delta R.T.: 0.012 min  
Response: 130782022  
Conc: 46.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



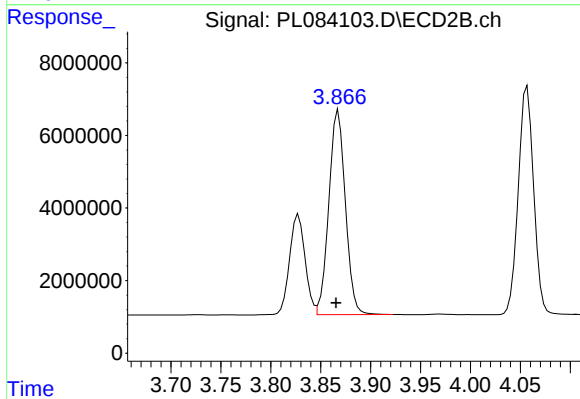
#3 gamma-BHC (Lindane)

R.T.: 3.526 min  
Delta R.T.: 0.002 min  
Response: 67048945  
Conc: 44.09 ng/ml



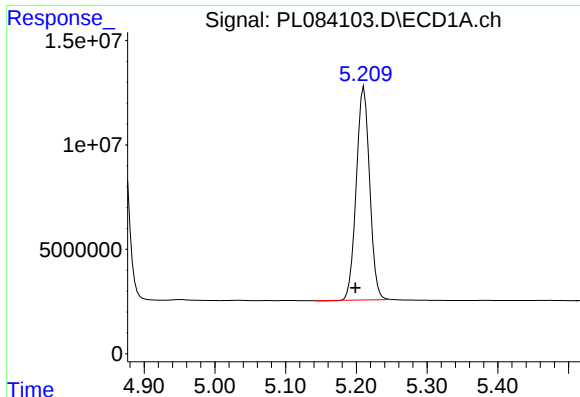
#4 Heptachlor

R.T.: 4.868 min  
Delta R.T.: 0.012 min  
Response: 145539662  
Conc: 53.55 ng/ml



#4 Heptachlor

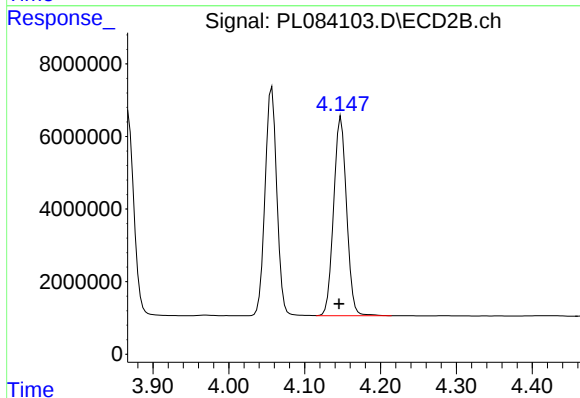
R.T.: 3.868 min  
Delta R.T.: 0.002 min  
Response: 64879056  
Conc: 55.05 ng/ml



#5 Aldrin

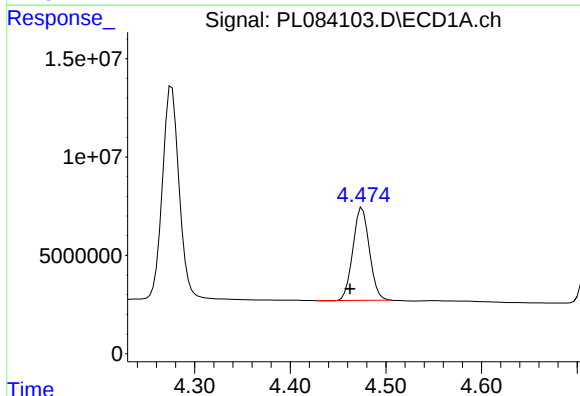
R.T.: 5.211 min  
Delta R.T.: 0.012 min  
Response: 133970695  
Conc: 46.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



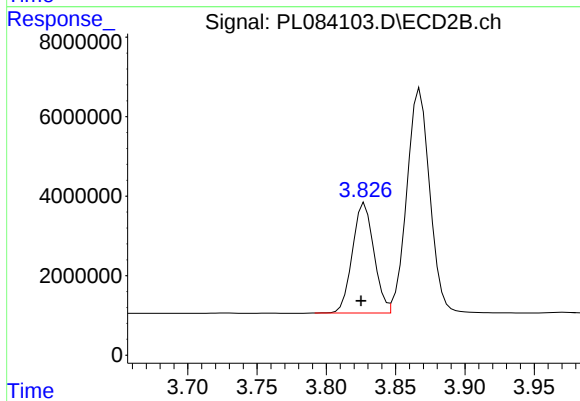
#5 Aldrin

R.T.: 4.148 min  
Delta R.T.: 0.002 min  
Response: 64877764  
Conc: 43.03 ng/ml



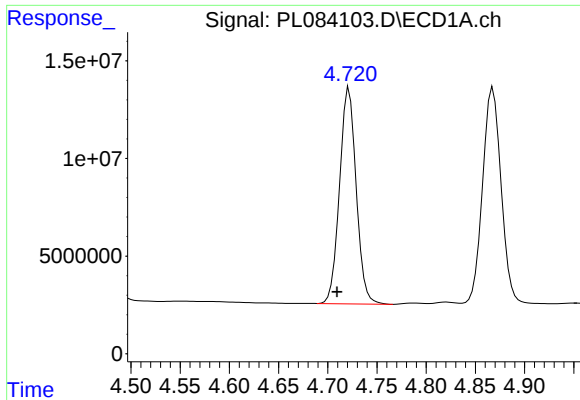
#6 beta-BHC

R.T.: 4.475 min  
Delta R.T.: 0.013 min  
Response: 56783367  
Conc: 47.33 ng/ml



#6 beta-BHC

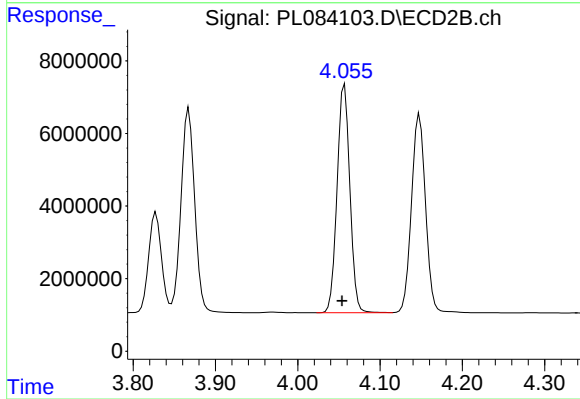
R.T.: 3.828 min  
Delta R.T.: 0.003 min  
Response: 29855758  
Conc: 45.23 ng/ml



#7 delta-BHC

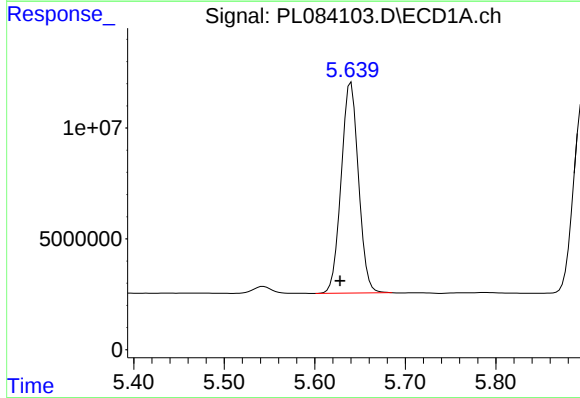
R.T.: 4.722 min  
Delta R.T.: 0.012 min  
Response: 130436567  
Conc: 48.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



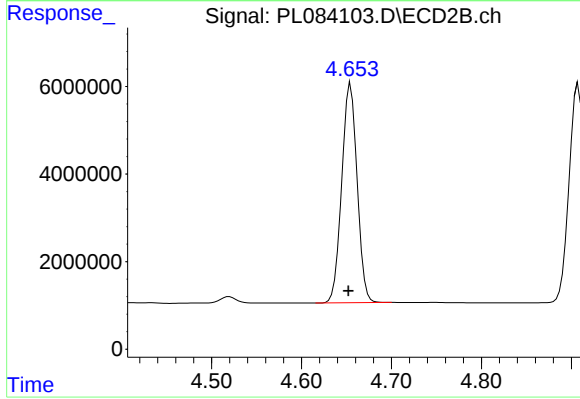
#7 delta-BHC

R.T.: 4.057 min  
Delta R.T.: 0.003 min  
Response: 67725941  
Conc: 44.77 ng/ml



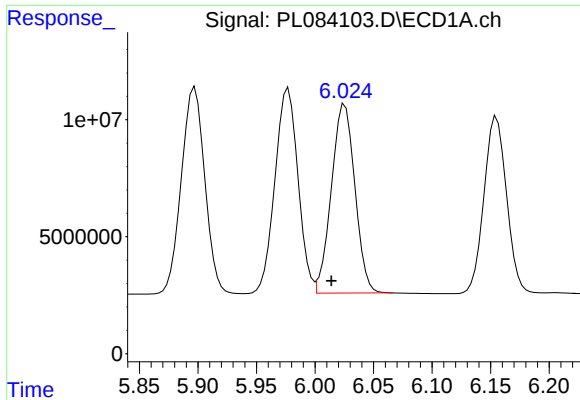
#8 Heptachlor epoxide

R.T.: 5.640 min  
Delta R.T.: 0.012 min  
Response: 126282367  
Conc: 47.30 ng/ml



#8 Heptachlor epoxide

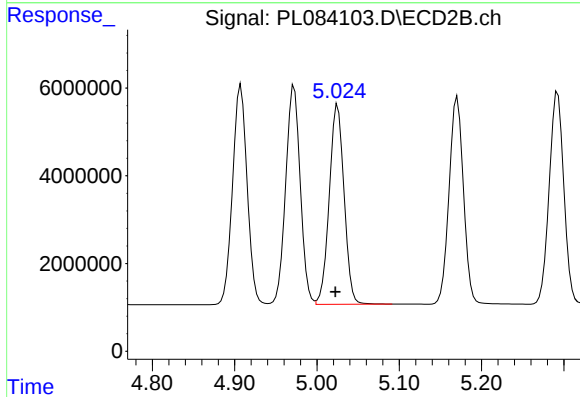
R.T.: 4.655 min  
Delta R.T.: 0.002 min  
Response: 59569038  
Conc: 46.39 ng/ml



#9 Endosulfan I

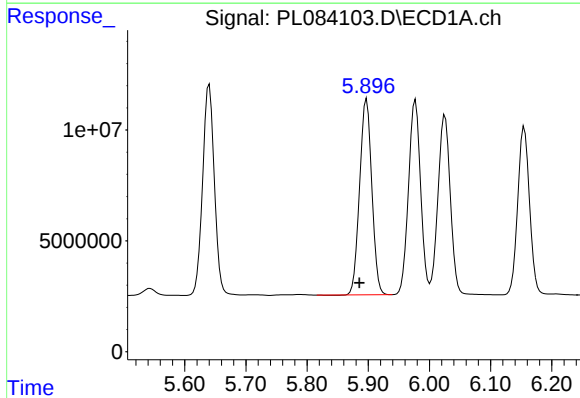
R.T.: 6.025 min  
Delta R.T.: 0.012 min  
Response: 112878241  
Conc: 47.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



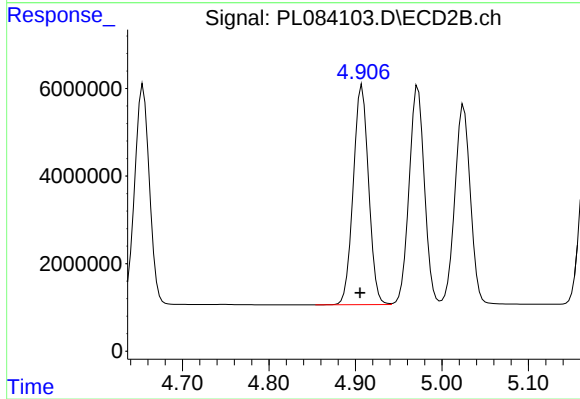
#9 Endosulfan I

R.T.: 5.025 min  
Delta R.T.: 0.003 min  
Response: 56965767  
Conc: 46.44 ng/ml



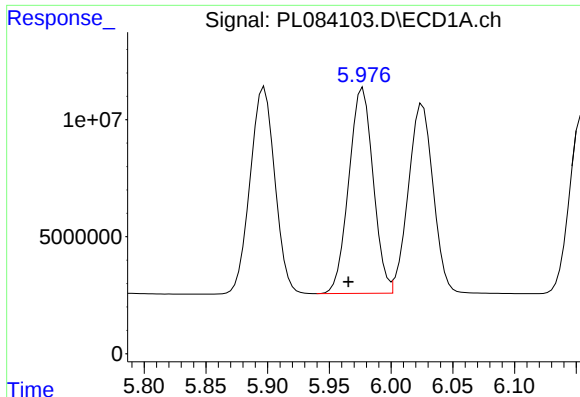
#10 gamma-Chlordane

R.T.: 5.897 min  
Delta R.T.: 0.012 min  
Response: 122710098  
Conc: 47.53 ng/ml



#10 gamma-Chlordane

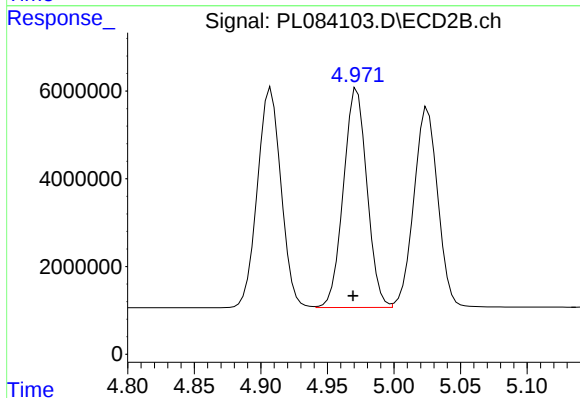
R.T.: 4.908 min  
Delta R.T.: 0.002 min  
Response: 61830149  
Conc: 46.41 ng/ml



#11 alpha-Chlordane

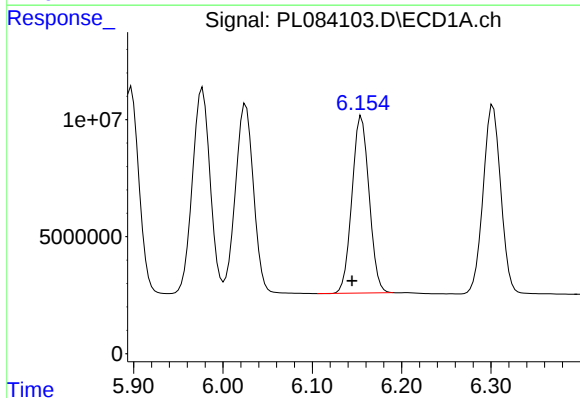
R.T.: 5.977 min  
Delta R.T.: 0.012 min  
Response: 120527431  
Conc: 47.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



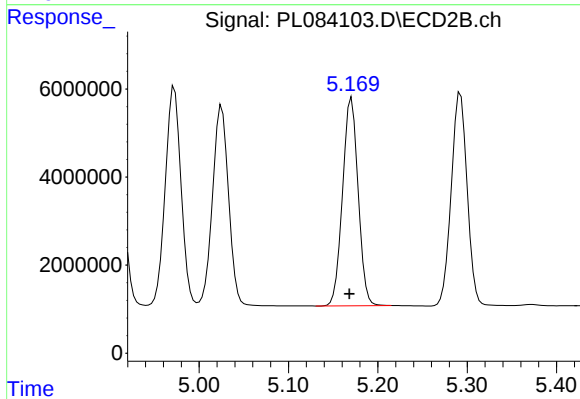
#11 alpha-Chlordane

R.T.: 4.972 min  
Delta R.T.: 0.003 min  
Response: 61454032  
Conc: 45.62 ng/ml



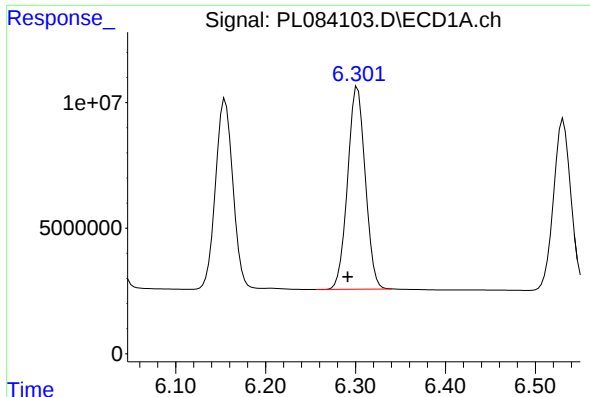
#12 4,4'-DDE

R.T.: 6.155 min  
Delta R.T.: 0.011 min  
Response: 100901854  
Conc: 50.15 ng/ml



#12 4,4'-DDE

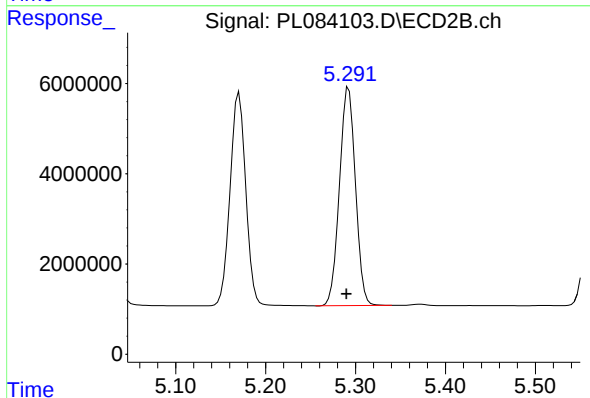
R.T.: 5.171 min  
Delta R.T.: 0.003 min  
Response: 57101967  
Conc: 46.49 ng/ml



#13 Dieldrin

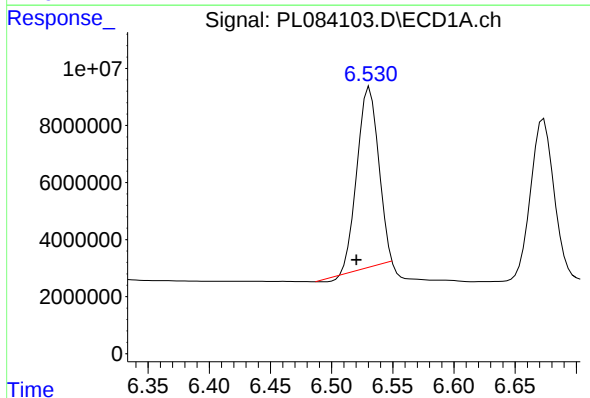
R.T.: 6.302 min  
Delta R.T.: 0.011 min  
Response: 109834193  
Conc: 45.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



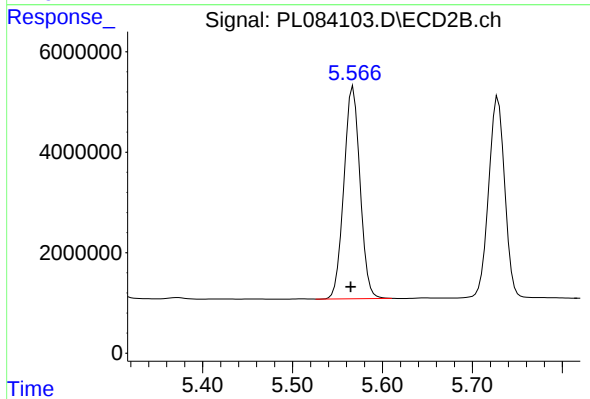
#13 Dieldrin

R.T.: 5.292 min  
Delta R.T.: 0.003 min  
Response: 59810821  
Conc: 45.93 ng/ml



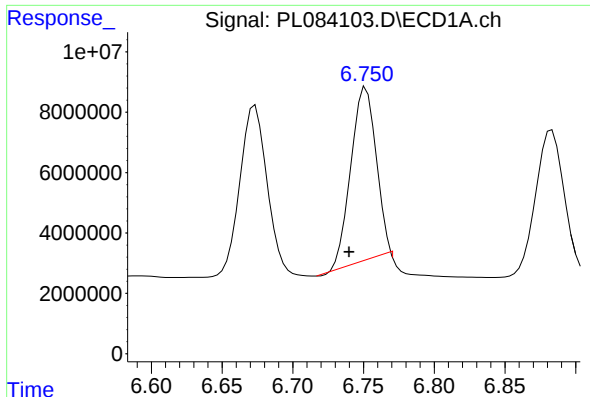
#14 Endrin

R.T.: 6.531 min  
Delta R.T.: 0.011 min  
Response: 76958016  
Conc: 40.41 ng/ml



#14 Endrin

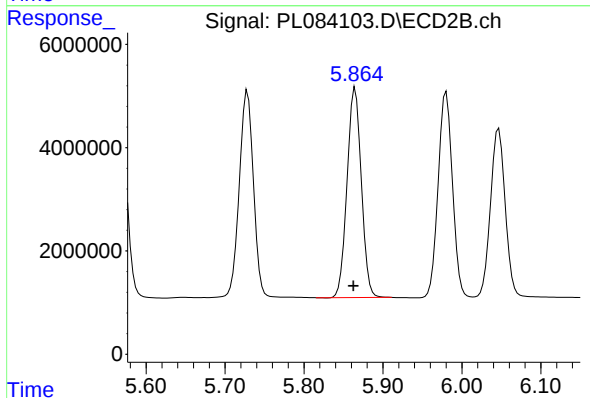
R.T.: 5.567 min  
Delta R.T.: 0.003 min  
Response: 52609427  
Conc: 47.86 ng/ml



#15 Endosulfan II

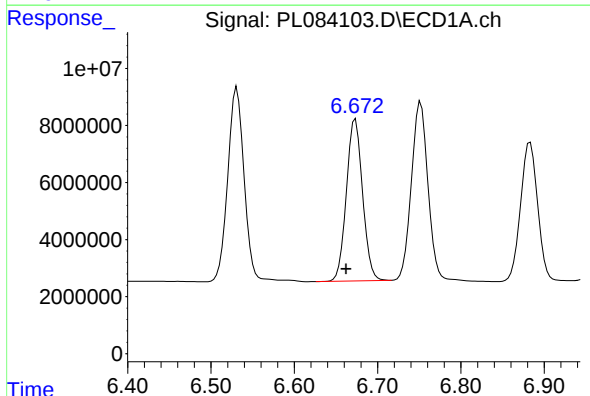
R.T.: 6.752 min  
Delta R.T.: 0.012 min  
Response: 71044237  
Conc: 37.90 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



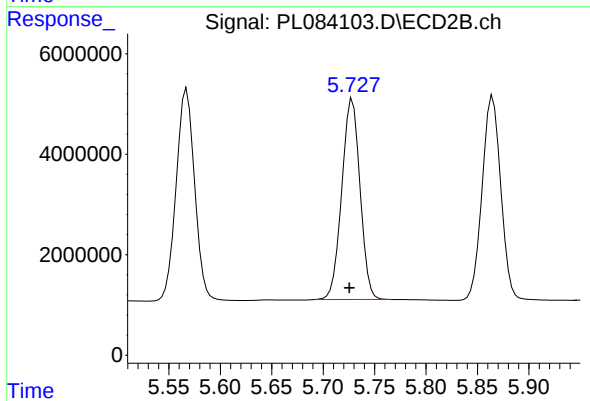
#15 Endosulfan II

R.T.: 5.865 min  
Delta R.T.: 0.002 min  
Response: 51174272  
Conc: 44.52 ng/ml



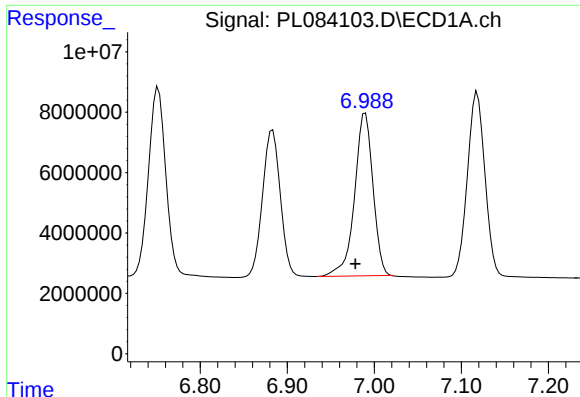
#16 4,4'-DDD

R.T.: 6.673 min  
Delta R.T.: 0.011 min  
Response: 76490964  
Conc: 52.09 ng/ml



#16 4,4'-DDD

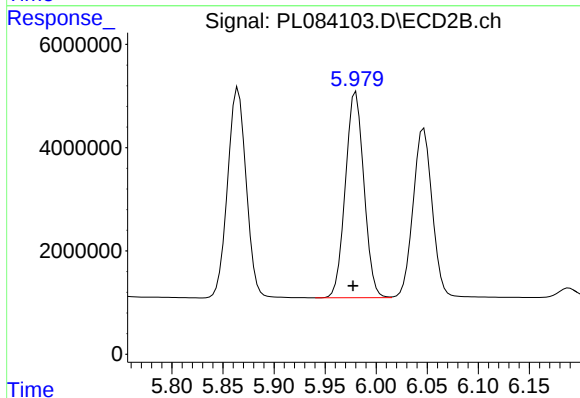
R.T.: 5.729 min  
Delta R.T.: 0.003 min  
Response: 49379049  
Conc: 51.47 ng/ml



#17 4,4'-DDT

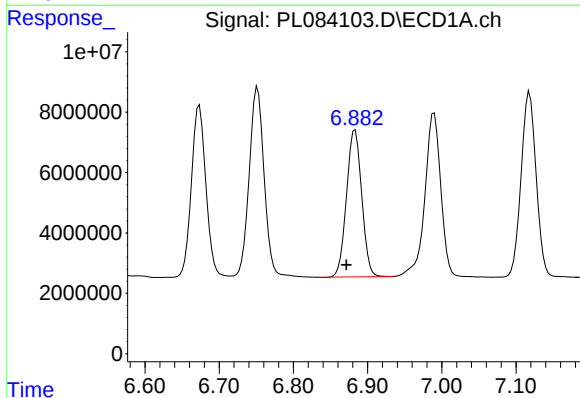
R.T.: 6.990 min  
Delta R.T.: 0.011 min  
Response: 79326213  
Conc: 49.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



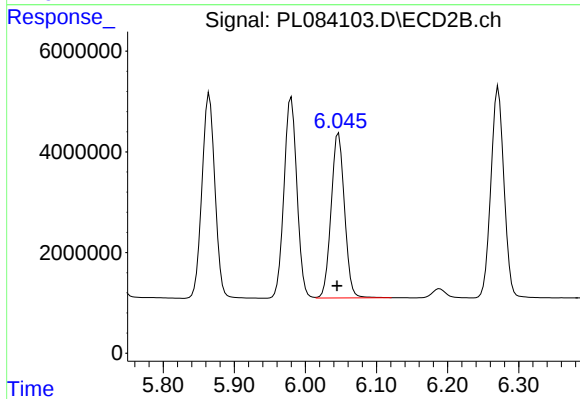
#17 4,4'-DDT

R.T.: 5.980 min  
Delta R.T.: 0.003 min  
Response: 50341531  
Conc: 55.27 ng/ml



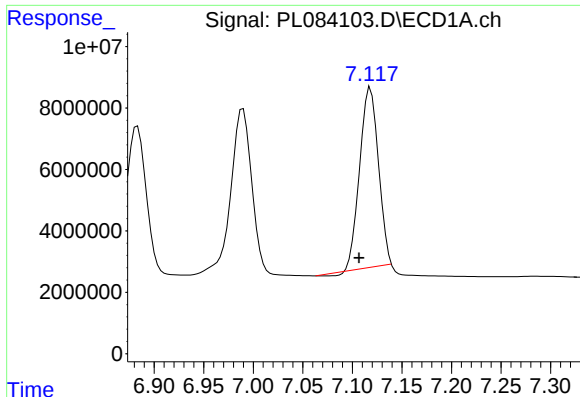
#18 Endrin aldehyde

R.T.: 6.883 min  
Delta R.T.: 0.012 min  
Response: 69101657  
Conc: 47.17 ng/ml



#18 Endrin aldehyde

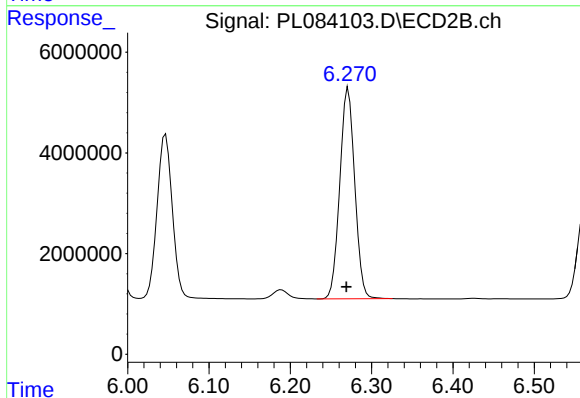
R.T.: 6.047 min  
Delta R.T.: 0.003 min  
Response: 42728340  
Conc: 47.53 ng/ml



#19 Endosulfan Sulfate

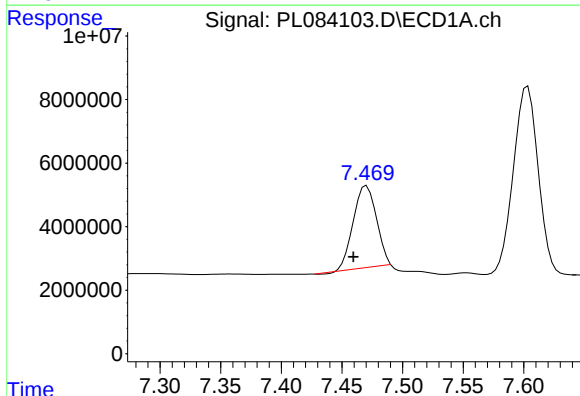
R.T.: 7.118 min  
Delta R.T.: 0.012 min  
Response: 76727917  
Conc: 44.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



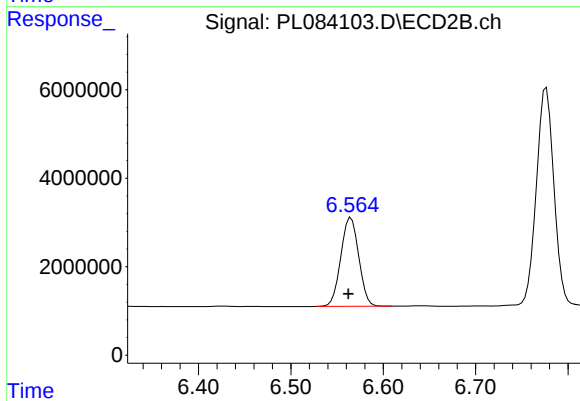
#19 Endosulfan Sulfate

R.T.: 6.271 min  
Delta R.T.: 0.002 min  
Response: 53452016  
Conc: 48.64 ng/ml



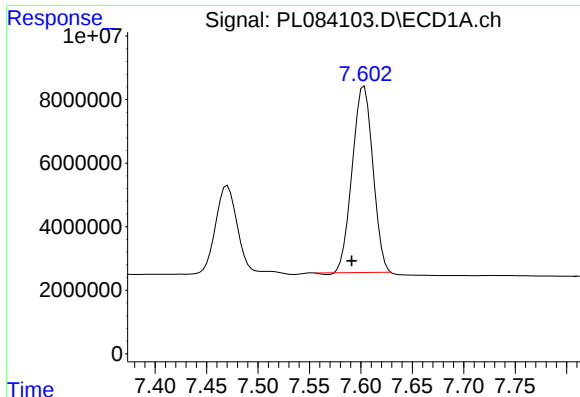
#20 Methoxychlor

R.T.: 7.470 min  
Delta R.T.: 0.011 min  
Response: 34359578  
Conc: 43.93 ng/ml



#20 Methoxychlor

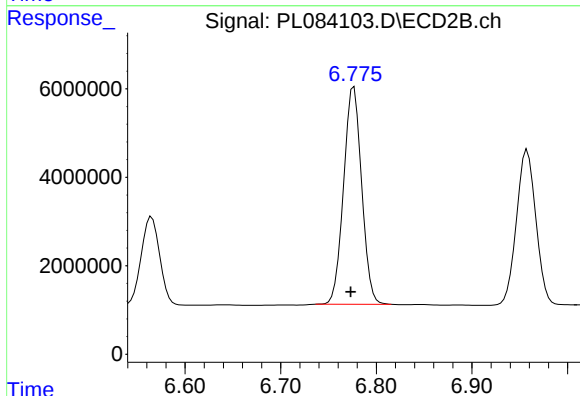
R.T.: 6.565 min  
Delta R.T.: 0.003 min  
Response: 27087171  
Conc: 56.52 ng/ml



#21 Endrin ketone

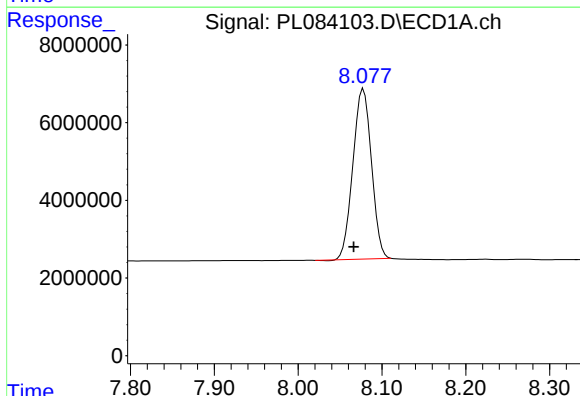
R.T.: 7.603 min  
Delta R.T.: 0.012 min  
Response: 81920293  
Conc: 46.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



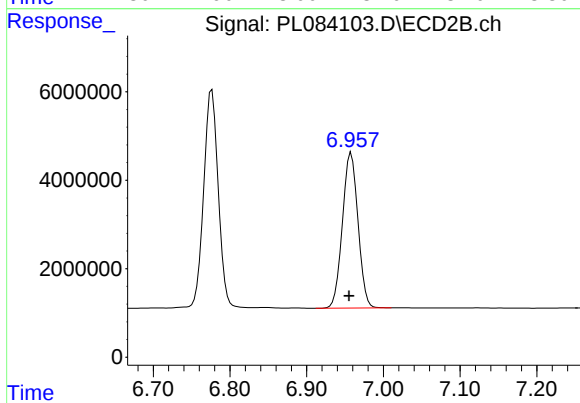
#21 Endrin ketone

R.T.: 6.777 min  
Delta R.T.: 0.003 min  
Response: 64667689  
Conc: 50.05 ng/ml



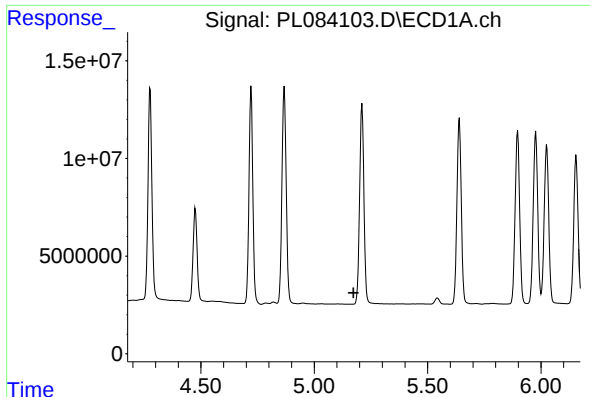
#22 Mirex

R.T.: 8.078 min  
Delta R.T.: 0.012 min  
Response: 67460748  
Conc: 47.14 ng/ml



#22 Mirex

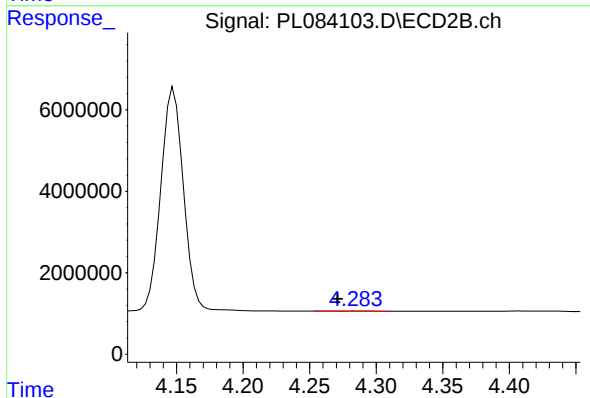
R.T.: 6.958 min  
Delta R.T.: 0.003 min  
Response: 49658913  
Conc: 48.65 ng/ml



#24 Chlordane-2

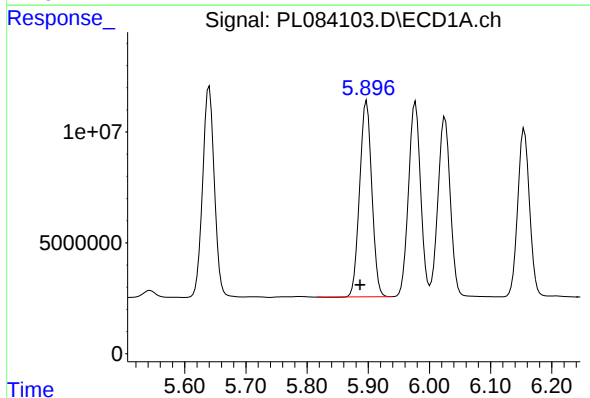
R.T.: 0.000 min  
Exp R.T.: 5.174 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



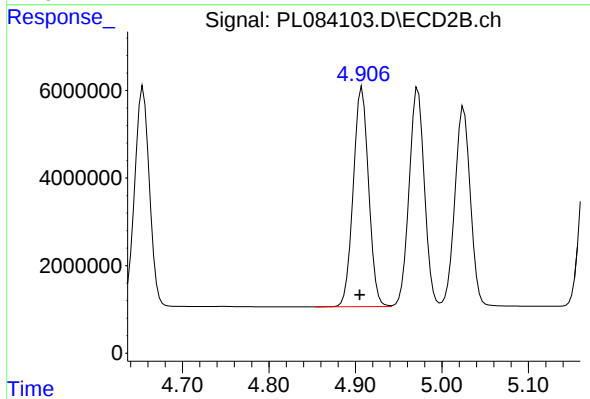
#24 Chlordane-2

R.T.: 4.284 min  
Delta R.T.: 0.013 min  
Response: 38170  
Conc: 0.09 ng/ml



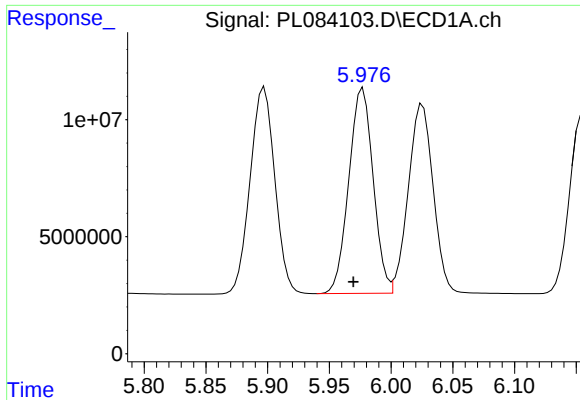
#25 Chlordane-3

R.T.: 5.897 min  
Delta R.T.: 0.011 min  
Response: 122710098  
Conc: 34.96 ng/ml



#25 Chlordane-3

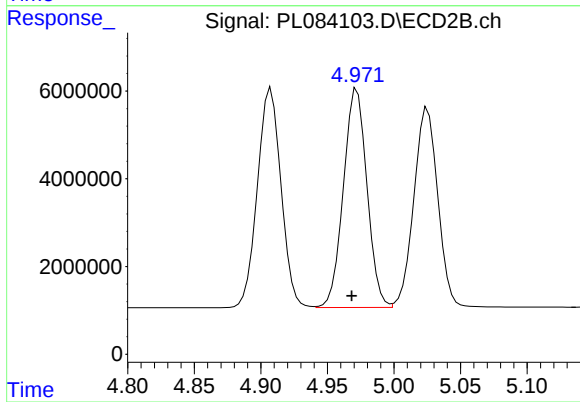
R.T.: 4.908 min  
Delta R.T.: 0.003 min  
Response: 61830149  
Conc: 45.10 ng/ml



#26 Chlordane-4

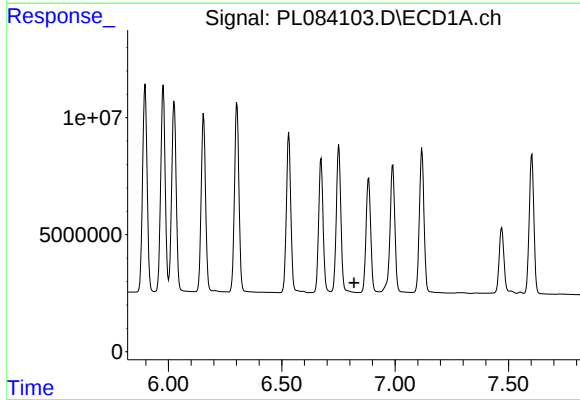
R.T.: 5.977 min  
Delta R.T.: 0.008 min  
Response: 120527431  
Conc: 29.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



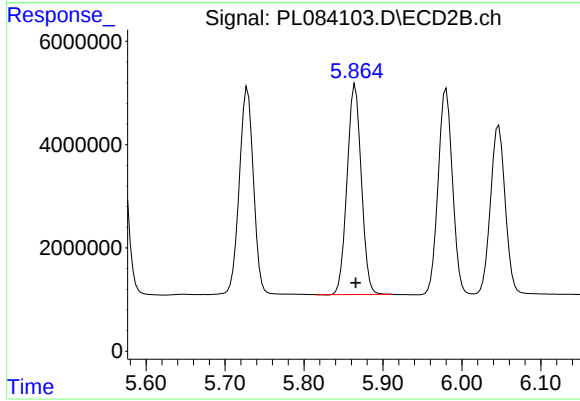
#26 Chlordane-4

R.T.: 4.972 min  
Delta R.T.: 0.004 min  
Response: 61454032  
Conc: 42.89 ng/ml



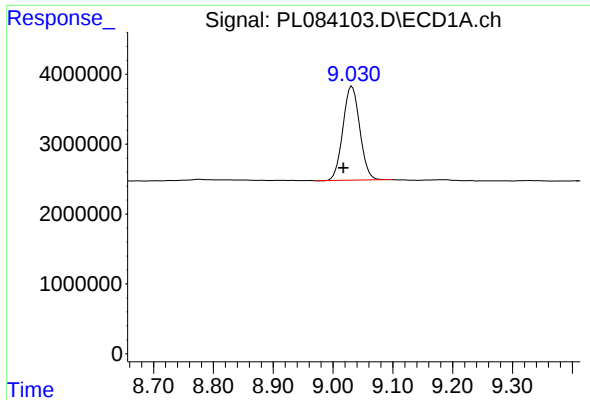
#27 Chlordane-5

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



#27 Chlordane-5

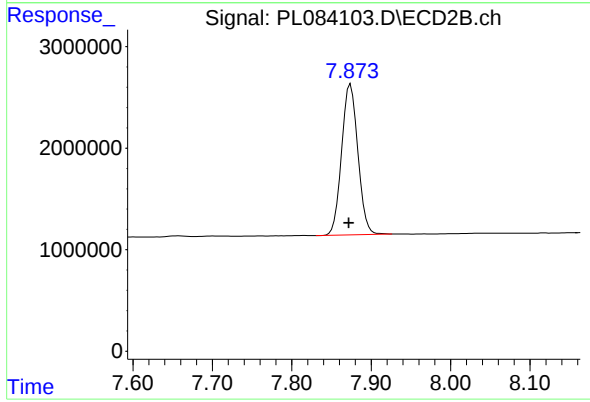
R.T.: 5.865 min  
Delta R.T.: 0.000 min  
Response: 51174272  
Conc: 111.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.032 min  
Delta R.T.: 0.014 min  
Response: 26379393  
Conc: 20.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 7.874 min  
Delta R.T.: 0.002 min  
Response: 21170388  
Conc: 19.05 ng/ml