

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092019\  
 Data File : PL052657.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Sep 2019 16:05  
 Operator : SG\AJ  
 Sample : K4662-15MSD  
 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: Sep 20 22:44:37 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL091719.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Sep 17 11:25:25 2019  
 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... | 3.552 | 4.047  | 162.8E6 | 52007889 | 20.883   | 23.868     |
| 2)                          | SA Decachlor... | 8.351 | 9.123  | 158.8E6 | 53195548 | 18.162   | 22.214     |
| Target Compounds            |                 |       |        |         |          |          |            |
| 2)                          | A alpha-BHC     | 3.997 | 4.438  | 804.0E6 | 218.9E6  | 66.874   | 71.620     |
| 3)                          | MA gamma-BHC... | 4.284 | 4.723  | 731.7E6 | 206.6E6  | 64.674   | 71.557     |
| 4)                          | MA Heptachlor   | 4.593 | 5.233  | 750.3E6 | 216.4E6  | 66.402   | 73.736     |
| 5)                          | MB Aldrin       | 4.846 | 5.538  | 716.5E6 | 202.4E6  | 66.350   | 76.413     |
| 6)                          | B beta-BHC      | 4.533 | 4.891  | 305.0E6 | 97526357 | 62.317   | 73.127     |
| 7)                          | B delta-BHC     | 4.743 | 5.109  | 678.9E6 | 195.2E6  | 60.074   | 68.175     |
| 8)                          | B Heptachlo...  | 5.292 | 5.924  | 648.3E6 | 186.4E6  | 63.452   | 71.065     |
| 9)                          | A Endosulfan I  | 5.635 | 6.281  | 608.0E6 | 170.5E6  | 62.318   | 73.129     |
| 10)                         | B gamma-Chl...  | 5.522 | 6.158  | 670.8E6 | 184.3E6  | 63.166   | 72.455     |
| 11)                         | B alpha-Chl...  | 5.580 | 6.230  | 648.2E6 | 181.2E6  | 62.701   | 72.551     |
| 12)                         | B 4,4'-DDE      | 5.745 | 6.386  | 600.8E6 | 181.1E6  | 64.384   | 74.296     |
| 13)                         | MA Dieldrin     | 5.880 | 6.537  | 658.7E6 | 181.2E6  | 63.548   | 74.212     |
| 14)                         | MA Endrin       | 6.139 | 6.755  | 546.8E6 | 138.6E6  | 66.142   | 71.609     |
| 15)                         | B Endosulfa...  | 6.412 | 6.964  | 553.4E6 | 152.7E6  | 57.057   | 68.405     |
| 16)                         | A 4,4'-DDD      | 6.263 | 6.876  | 487.8E6 | 136.5E6  | 63.694   | 74.111     |
| 17)                         | MA 4,4'-DDT     | 6.506 | 7.174  | 505.9E6 | 139.0E6  | 65.181   | 76.002     |
| 18)                         | B Endrin al...  | 6.580 | 7.087  | 457.6E6 | 128.9E6  | 59.188   | 69.465     |
| 19)                         | B Endosulfa...  | 6.794 | 7.310  | 493.2E6 | 149.4E6  | 59.453   | 72.730     |
| 20)                         | A Methoxychlor  | 7.053 | 7.631  | 251.5E6 | 73340559 | 62.218   | 72.377     |
| 21)                         | B Endrin ke...  | 7.289 | 7.781  | 589.4E6 | 158.3E6  | 56.766   | 71.262 #   |
| 22)                         | Mirex           | 7.485 | 8.236  | 407.5E6 | 110.9E6  | 53.288   | 64.827     |
| 24)                         | Chlordane-2     | 0.000 | 5.538f | 0       | 202.4E6  | N.D.     | 2467.985 # |
| 25)                         | Chlordane-3     | 5.522 | 6.158  | 670.8E6 | 184.3E6  | 693.401  | 602.429    |
| 26)                         | Chlordane-4     | 5.580 | 6.230  | 648.2E6 | 181.2E6  | 823.641  | 471.221 #  |
| 27)                         | Chlordane-5     | 6.412 | 0.000  | 553.4E6 | 0        | 1797.258 | N.D. #     |
| -----                       |                 |       |        |         |          |          |            |

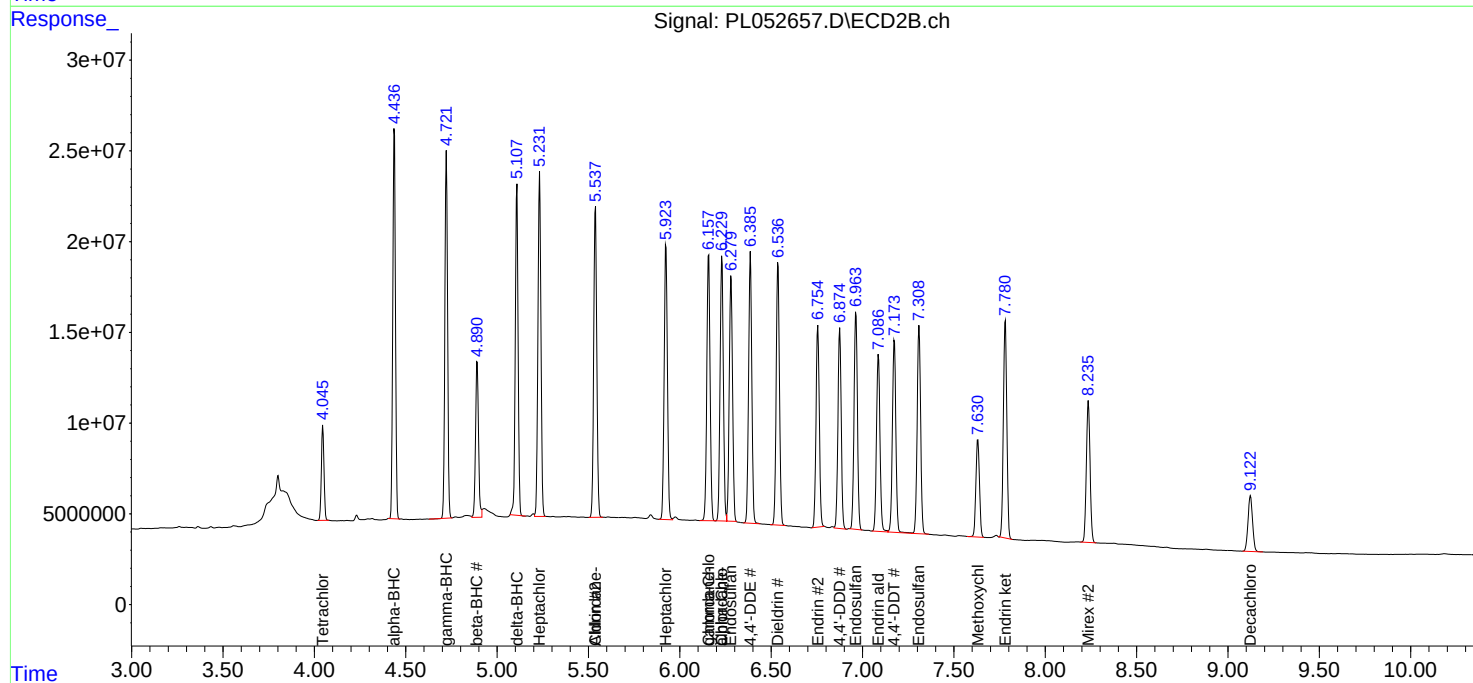
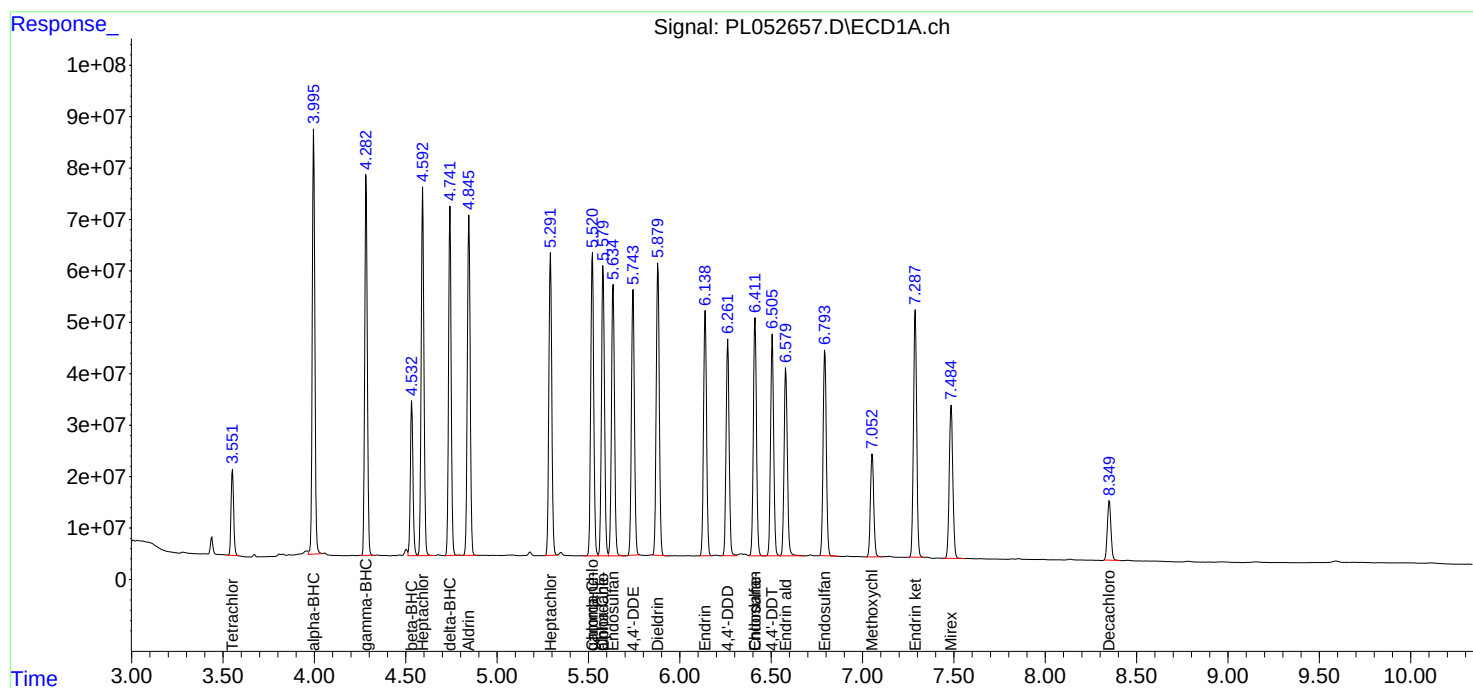
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

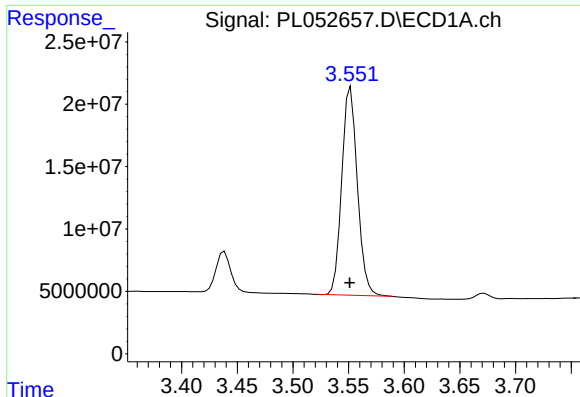
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092019\  
Data File : PL052657.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Sep 2019 16:05  
Operator : SG\AJ  
Sample : K4662-15MSD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 20 22:44:37 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL091719.M  
Quant Title : GC Extractables  
QLast Update : Tue Sep 17 11:25:25 2019  
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

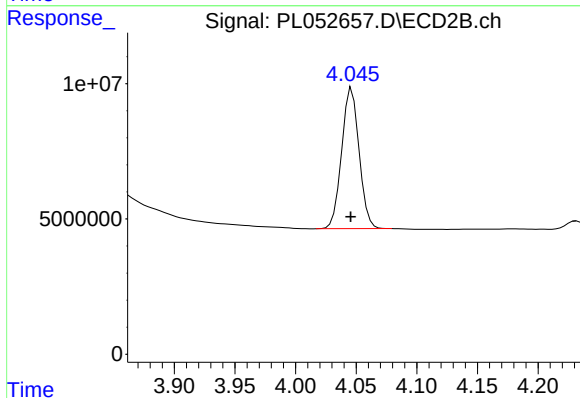




#1 Tetrachloro-m-xylene

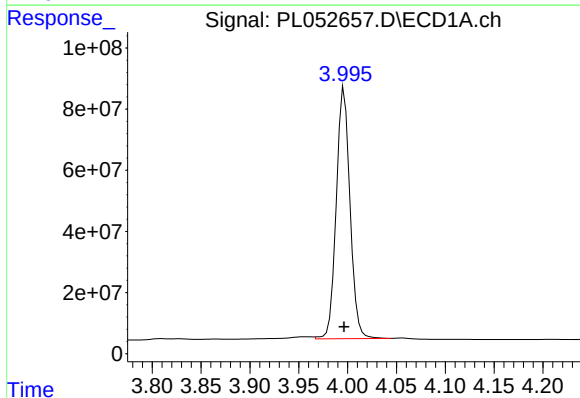
R.T.: 3.552 min  
Delta R.T.: 0.000 min  
Response: 162842107  
Conc: 20.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



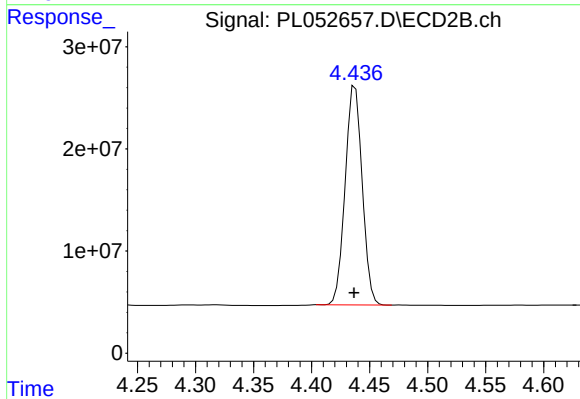
#1 Tetrachloro-m-xylene

R.T.: 4.047 min  
Delta R.T.: 0.001 min  
Response: 52007889  
Conc: 23.87 ng/ml



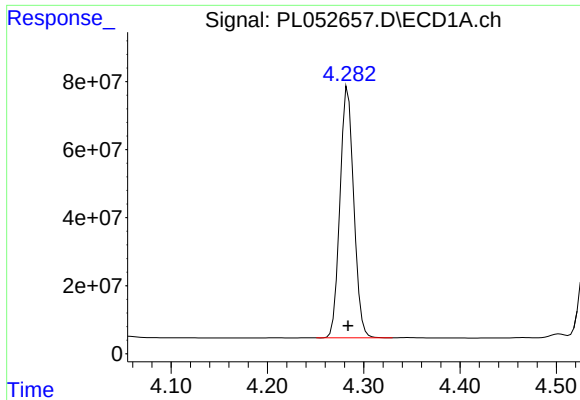
#2 alpha-BHC

R.T.: 3.997 min  
Delta R.T.: 0.000 min  
Response: 803994488  
Conc: 66.87 ng/ml



#2 alpha-BHC

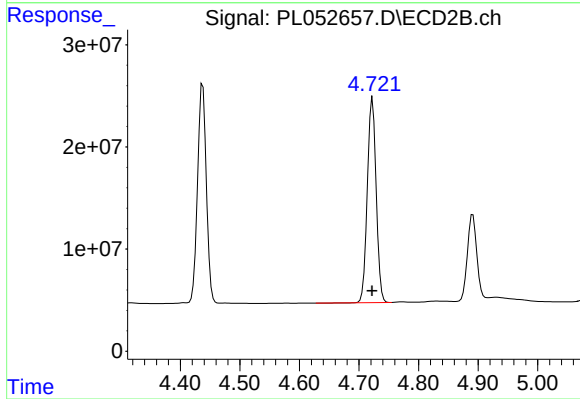
R.T.: 4.438 min  
Delta R.T.: 0.001 min  
Response: 218914396  
Conc: 71.62 ng/ml



#3 gamma-BHC (Lindane)

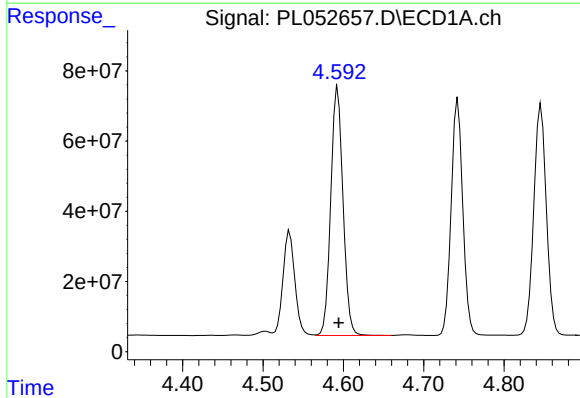
R.T.: 4.284 min  
Delta R.T.: 0.000 min  
Response: 731739244  
Conc: 64.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



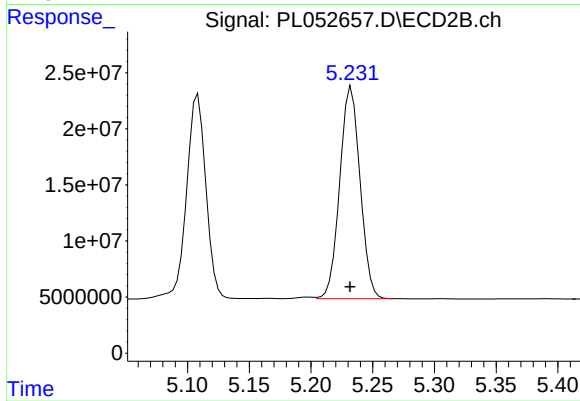
#3 gamma-BHC (Lindane)

R.T.: 4.723 min  
Delta R.T.: 0.000 min  
Response: 206621457  
Conc: 71.56 ng/ml



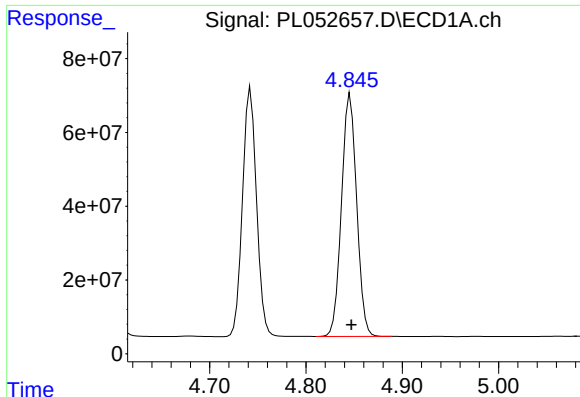
#4 Heptachlor

R.T.: 4.593 min  
Delta R.T.: -0.001 min  
Response: 750275625  
Conc: 66.40 ng/ml



#4 Heptachlor

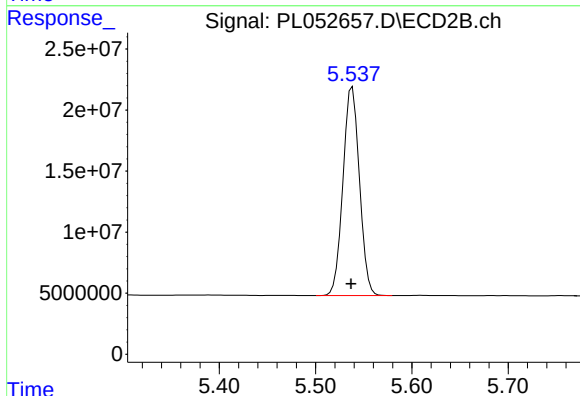
R.T.: 5.233 min  
Delta R.T.: 0.001 min  
Response: 216400458  
Conc: 73.74 ng/ml



#5 Aldrin

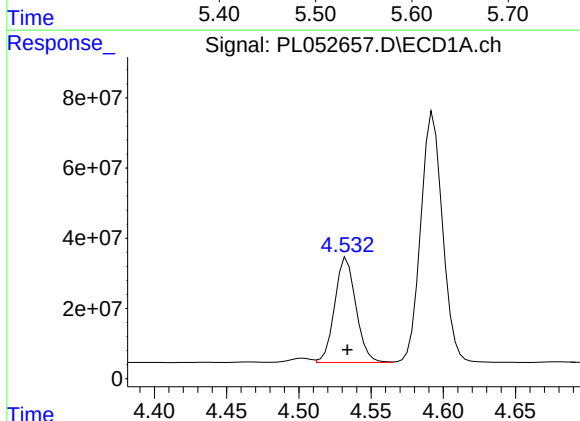
R.T.: 4.846 min  
Delta R.T.: -0.001 min  
Response: 716488250  
Conc: 66.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



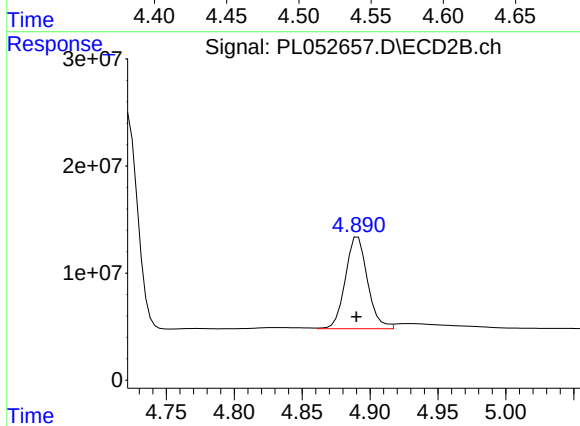
#5 Aldrin

R.T.: 5.538 min  
Delta R.T.: 0.001 min  
Response: 202400871  
Conc: 76.41 ng/ml



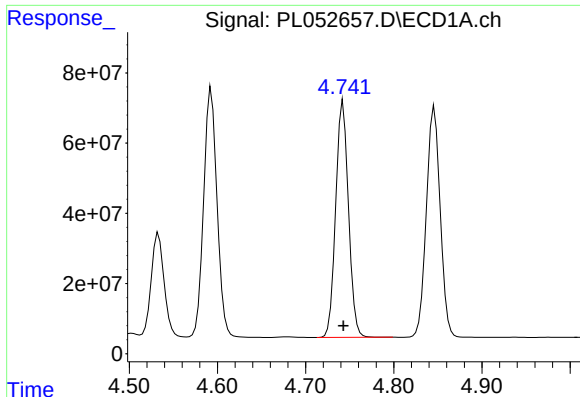
#6 beta-BHC

R.T.: 4.533 min  
Delta R.T.: 0.000 min  
Response: 304967151  
Conc: 62.32 ng/ml



#6 beta-BHC

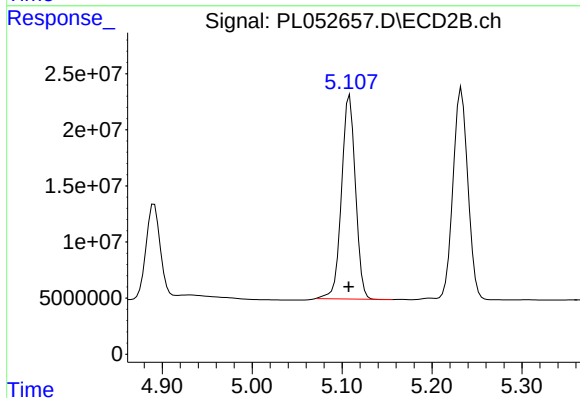
R.T.: 4.891 min  
Delta R.T.: 0.001 min  
Response: 97526357  
Conc: 73.13 ng/ml



#7 delta-BHC

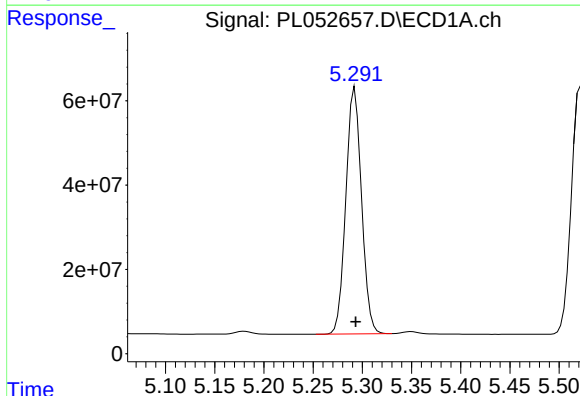
R.T.: 4.743 min  
Delta R.T.: 0.000 min  
Response: 678869090  
Conc: 60.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



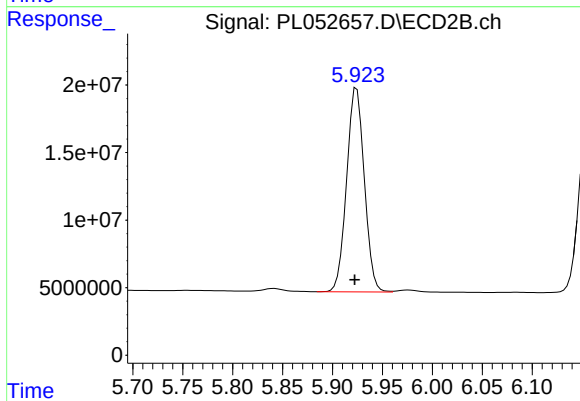
#7 delta-BHC

R.T.: 5.109 min  
Delta R.T.: 0.001 min  
Response: 195175009  
Conc: 68.18 ng/ml



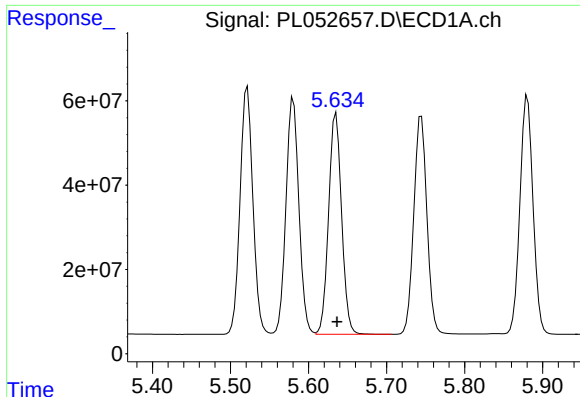
#8 Heptachlor epoxide

R.T.: 5.292 min  
Delta R.T.: 0.000 min  
Response: 648304906  
Conc: 63.45 ng/ml



#8 Heptachlor epoxide

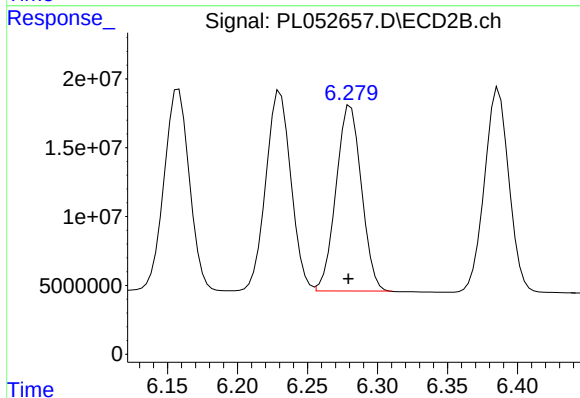
R.T.: 5.924 min  
Delta R.T.: 0.002 min  
Response: 186365598  
Conc: 71.06 ng/ml



#9 Endosulfan I

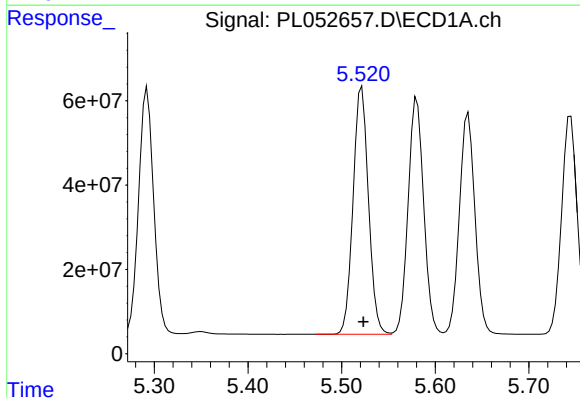
R.T.: 5.635 min  
Delta R.T.: -0.001 min  
Response: 607950916  
Conc: 62.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



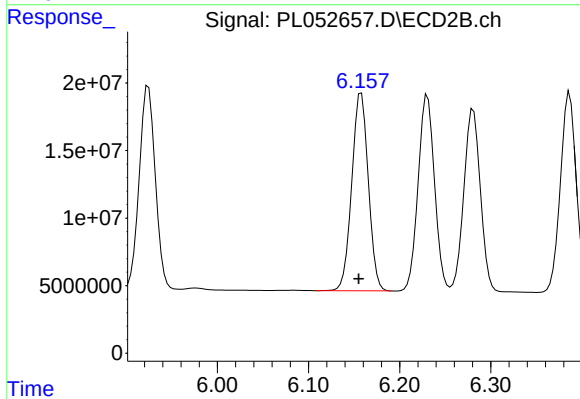
#9 Endosulfan I

R.T.: 6.281 min  
Delta R.T.: 0.002 min  
Response: 170479783  
Conc: 73.13 ng/ml



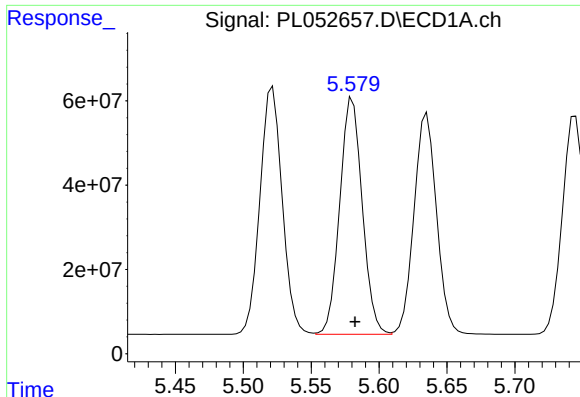
#10 gamma-Chlordane

R.T.: 5.522 min  
Delta R.T.: -0.002 min  
Response: 670837126  
Conc: 63.17 ng/ml



#10 gamma-Chlordane

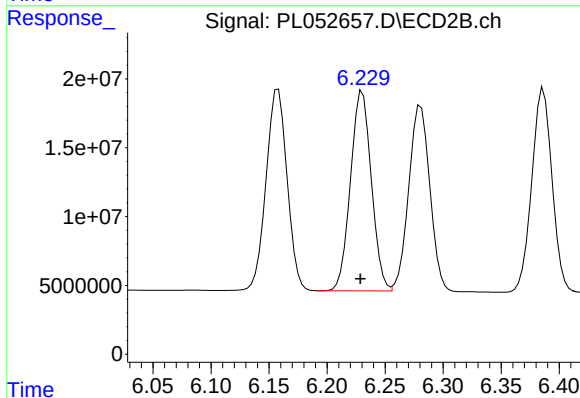
R.T.: 6.158 min  
Delta R.T.: 0.003 min  
Response: 184324787  
Conc: 72.45 ng/ml



#11 alpha-Chlordane

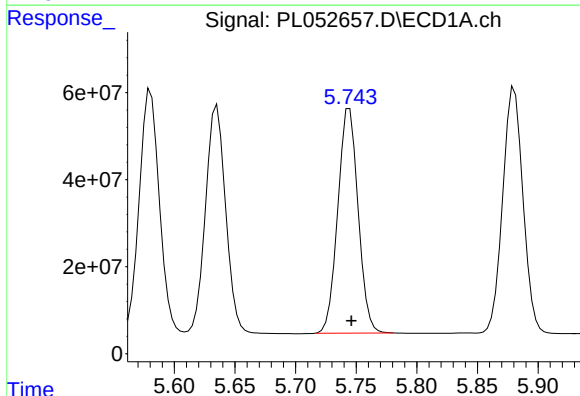
R.T.: 5.580 min  
Delta R.T.: -0.002 min  
Response: 648159847  
Conc: 62.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



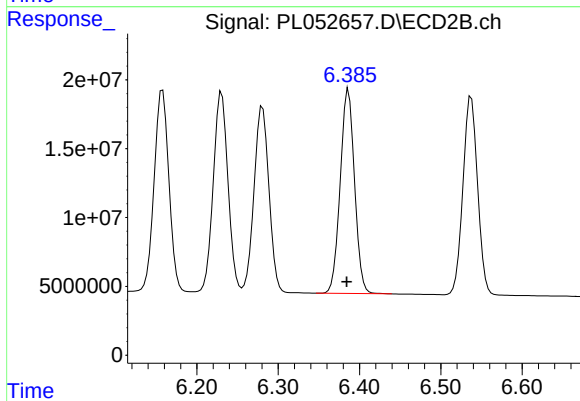
#11 alpha-Chlordane

R.T.: 6.230 min  
Delta R.T.: 0.002 min  
Response: 181237103  
Conc: 72.55 ng/ml



#12 4,4'-DDE

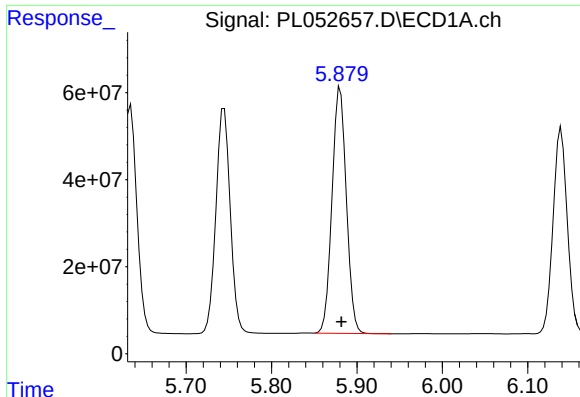
R.T.: 5.745 min  
Delta R.T.: -0.002 min  
Response: 600775650  
Conc: 64.38 ng/ml



#12 4,4'-DDE

R.T.: 6.386 min  
Delta R.T.: 0.002 min  
Response: 181135364  
Conc: 74.30 ng/ml

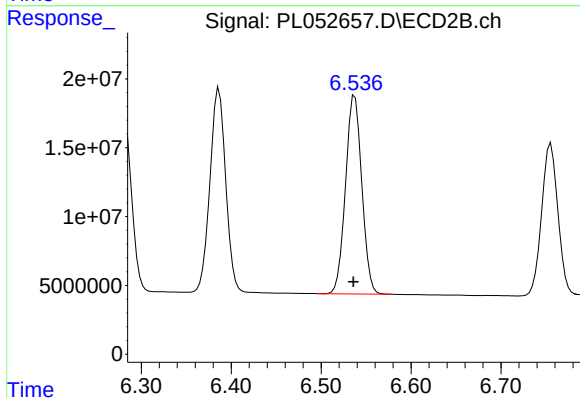




#13 Dieldrin

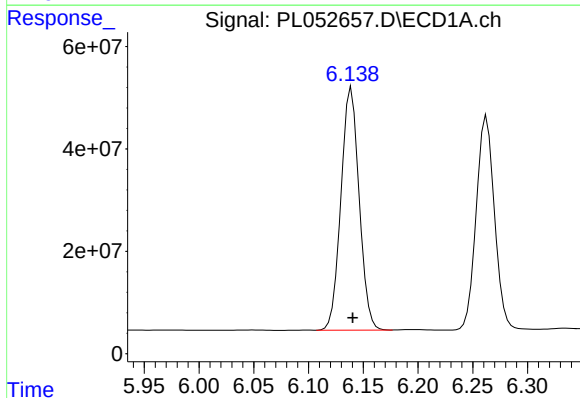
R.T.: 5.880 min  
Delta R.T.: -0.002 min  
Response: 658740627  
Conc: 63.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



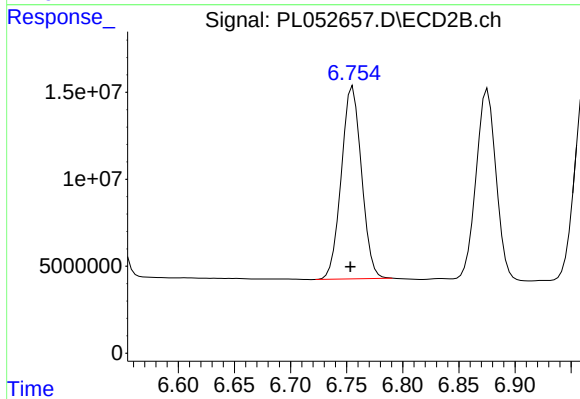
#13 Dieldrin

R.T.: 6.537 min  
Delta R.T.: 0.001 min  
Response: 181232623  
Conc: 74.21 ng/ml



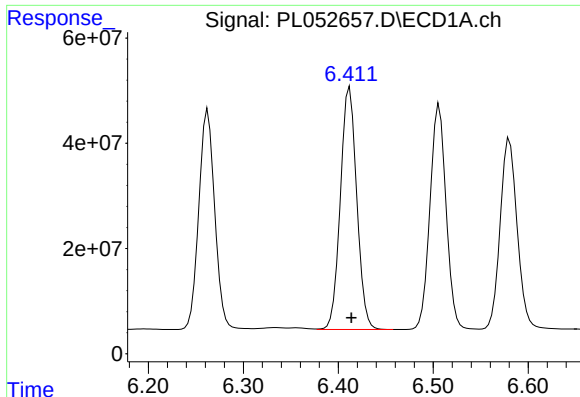
#14 Endrin

R.T.: 6.139 min  
Delta R.T.: -0.001 min  
Response: 546841742  
Conc: 66.14 ng/ml



#14 Endrin

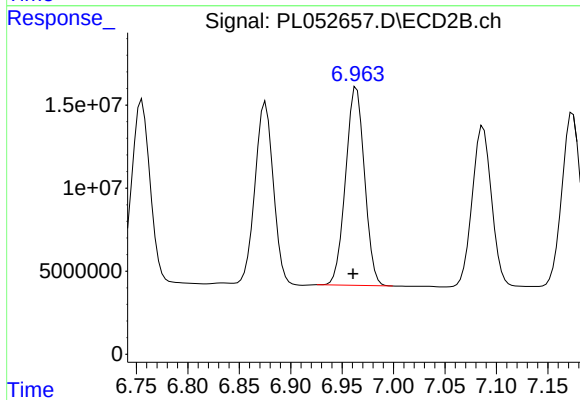
R.T.: 6.755 min  
Delta R.T.: 0.002 min  
Response: 138604004  
Conc: 71.61 ng/ml



#15 Endosulfan II

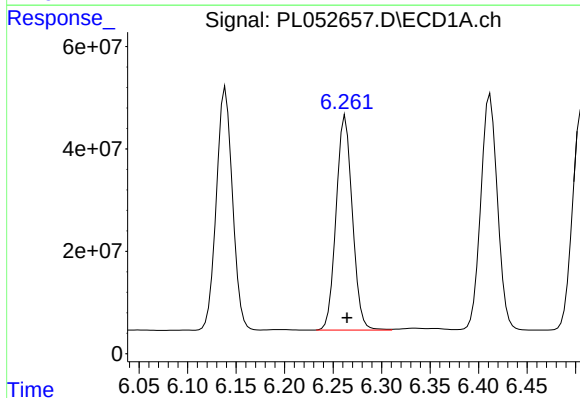
R.T.: 6.412 min  
Delta R.T.: -0.002 min  
Response: 553448919  
Conc: 57.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



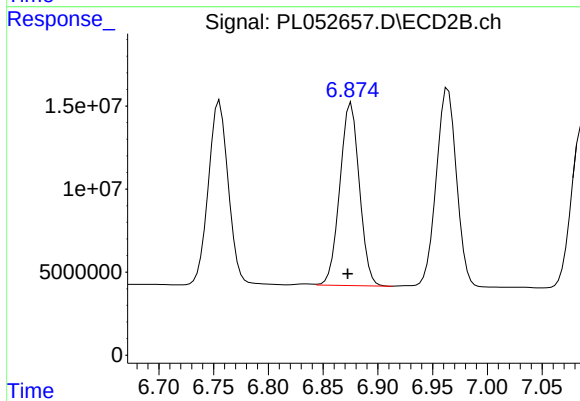
#15 Endosulfan II

R.T.: 6.964 min  
Delta R.T.: 0.003 min  
Response: 152693025  
Conc: 68.40 ng/ml



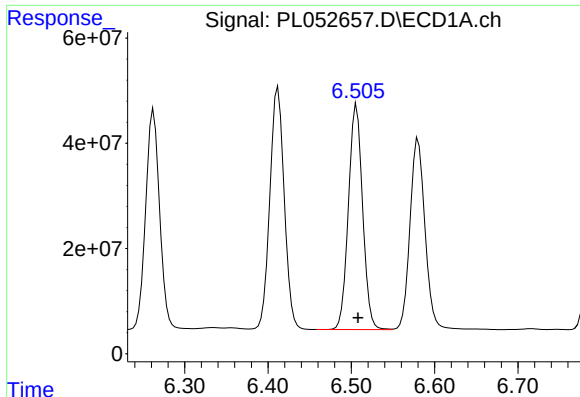
#16 4,4'-DDD

R.T.: 6.263 min  
Delta R.T.: -0.002 min  
Response: 487831345  
Conc: 63.69 ng/ml



#16 4,4'-DDD

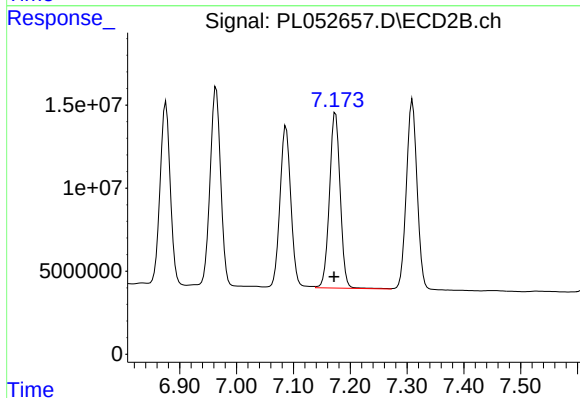
R.T.: 6.876 min  
Delta R.T.: 0.003 min  
Response: 136498145  
Conc: 74.11 ng/ml



#17 4,4'-DDT

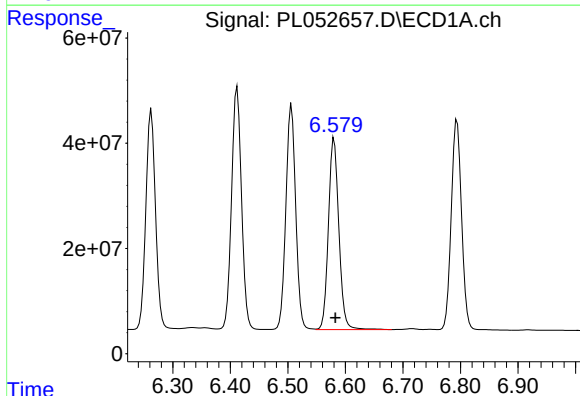
R.T.: 6.506 min  
Delta R.T.: -0.002 min  
Response: 505889974  
Conc: 65.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



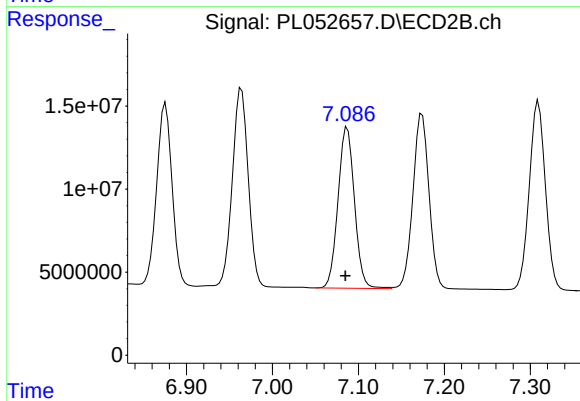
#17 4,4'-DDT

R.T.: 7.174 min  
Delta R.T.: 0.003 min  
Response: 139012934  
Conc: 76.00 ng/ml



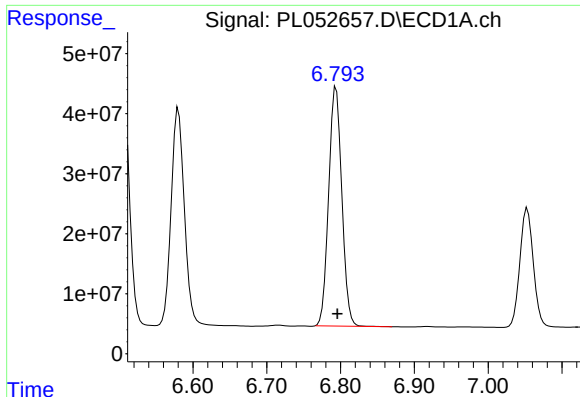
#18 Endrin aldehyde

R.T.: 6.580 min  
Delta R.T.: -0.003 min  
Response: 457628065  
Conc: 59.19 ng/ml



#18 Endrin aldehyde

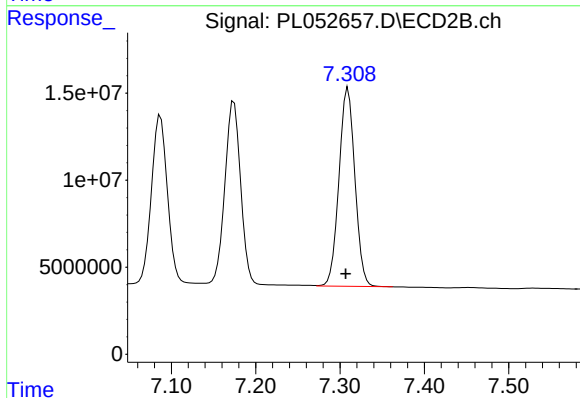
R.T.: 7.087 min  
Delta R.T.: 0.002 min  
Response: 128860823  
Conc: 69.47 ng/ml



#19 Endosulfan Sulfate

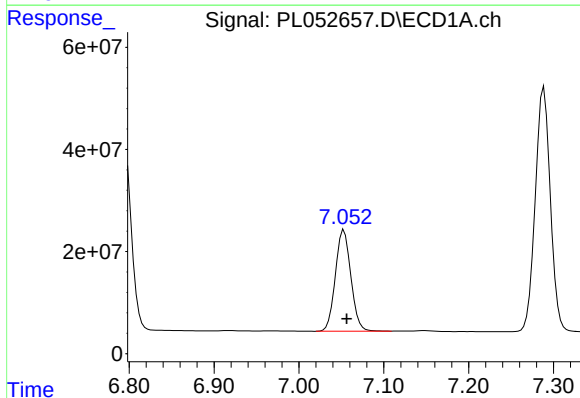
R.T.: 6.794 min  
Delta R.T.: -0.002 min  
Response: 493158419  
Conc: 59.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



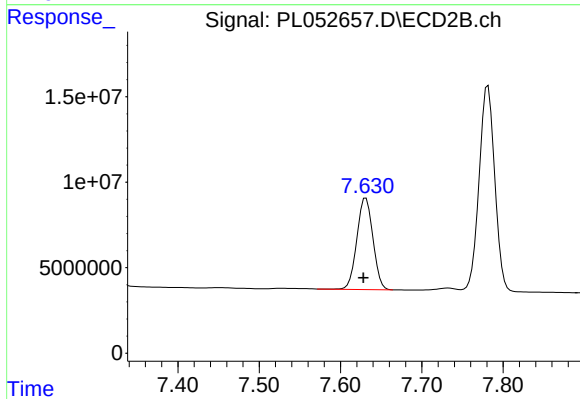
#19 Endosulfan Sulfate

R.T.: 7.310 min  
Delta R.T.: 0.003 min  
Response: 149379165  
Conc: 72.73 ng/ml



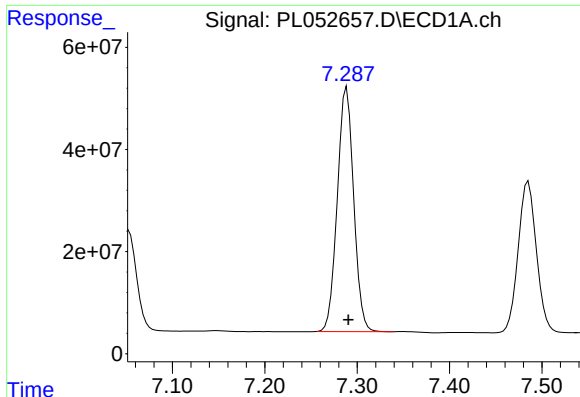
#20 Methoxychlor

R.T.: 7.053 min  
Delta R.T.: -0.003 min  
Response: 251548681  
Conc: 62.22 ng/ml



#20 Methoxychlor

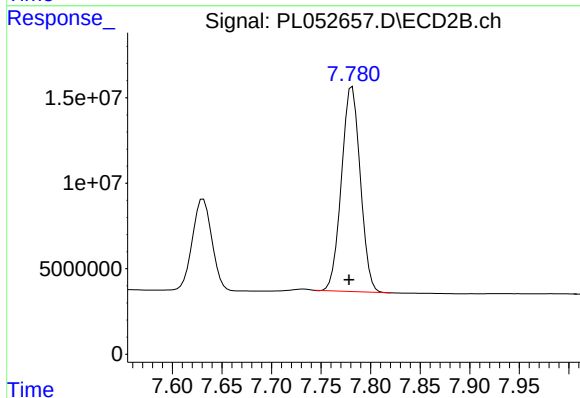
R.T.: 7.631 min  
Delta R.T.: 0.003 min  
Response: 73340559  
Conc: 72.38 ng/ml



#21 Endrin ketone

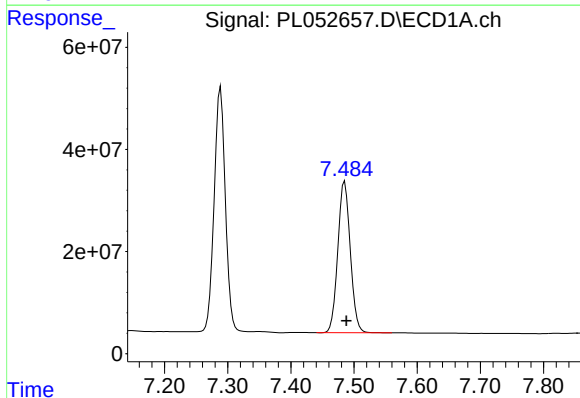
R.T.: 7.289 min  
Delta R.T.: -0.002 min  
Response: 589416750  
Conc: 56.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



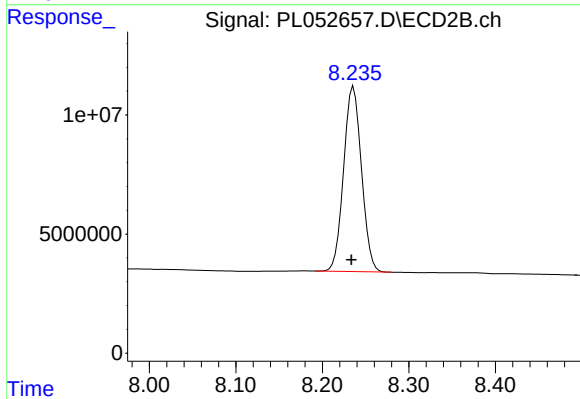
#21 Endrin ketone

R.T.: 7.781 min  
Delta R.T.: 0.003 min  
Response: 158251973  
Conc: 71.26 ng/ml



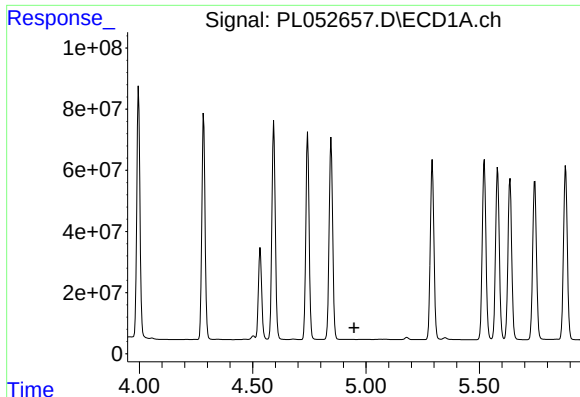
#22 Mirex

R.T.: 7.485 min  
Delta R.T.: -0.003 min  
Response: 407534764  
Conc: 53.29 ng/ml



#22 Mirex

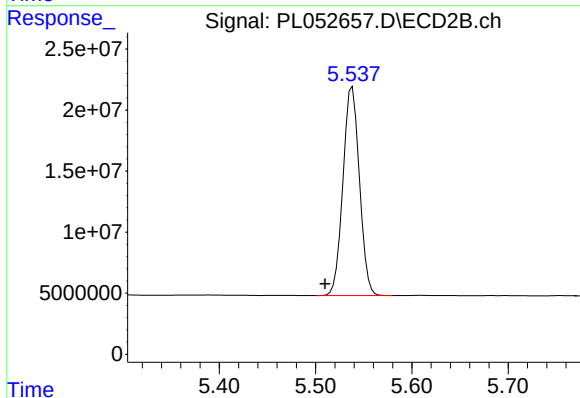
R.T.: 8.236 min  
Delta R.T.: 0.002 min  
Response: 110946749  
Conc: 64.83 ng/ml



#24 Chlordane-2

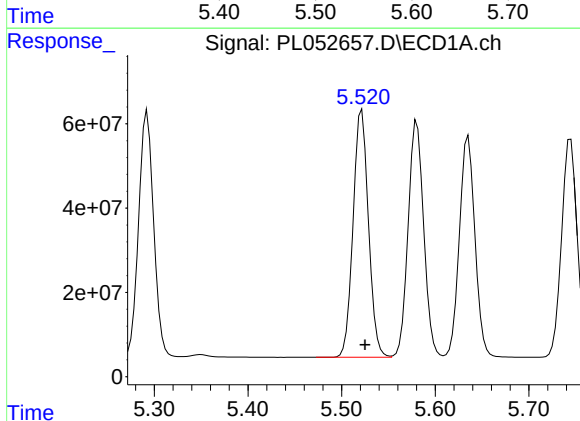
R.T.: 0.000 min  
Exp R.T.: 4.948 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



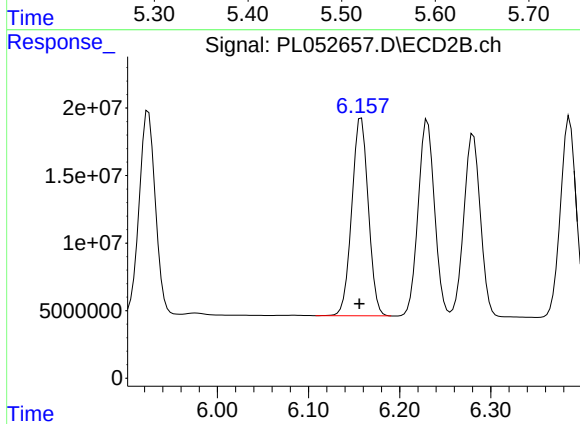
#24 Chlordane-2

R.T.: 5.538 min  
Delta R.T.: 0.028 min  
Response: 202400871  
Conc: 2467.99 ng/ml



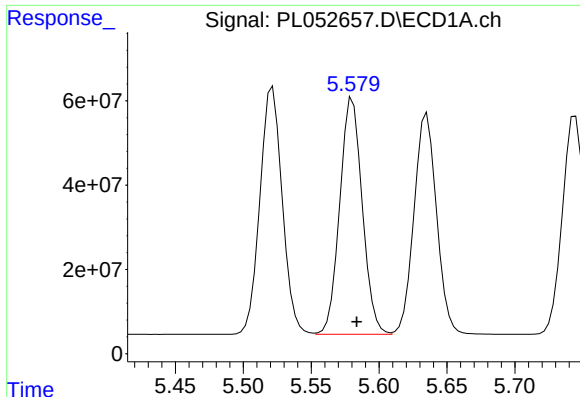
#25 Chlordane-3

R.T.: 5.522 min  
Delta R.T.: -0.003 min  
Response: 670837126  
Conc: 693.40 ng/ml



#25 Chlordane-3

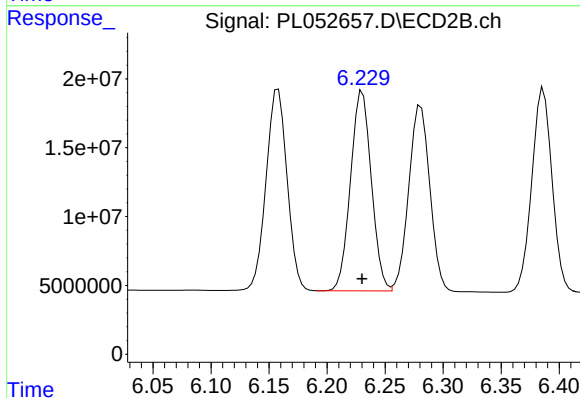
R.T.: 6.158 min  
Delta R.T.: 0.002 min  
Response: 184324787  
Conc: 602.43 ng/ml



#26 Chlordane-4

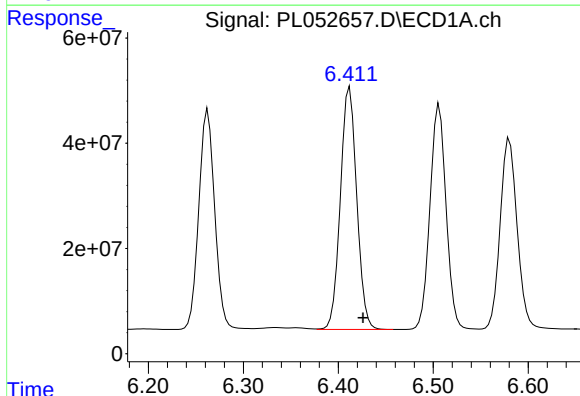
R.T.: 5.580 min  
Delta R.T.: -0.003 min  
Response: 648159847  
Conc: 823.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



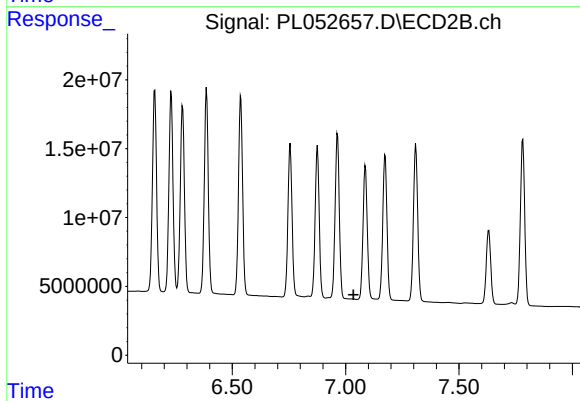
#26 Chlordane-4

R.T.: 6.230 min  
Delta R.T.: 0.000 min  
Response: 181237103  
Conc: 471.22 ng/ml



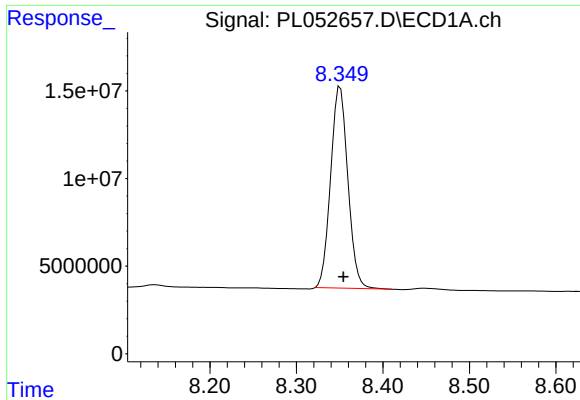
#27 Chlordane-5

R.T.: 6.412 min  
Delta R.T.: -0.014 min  
Response: 553448919  
Conc: 1797.26 ng/ml



#27 Chlordane-5

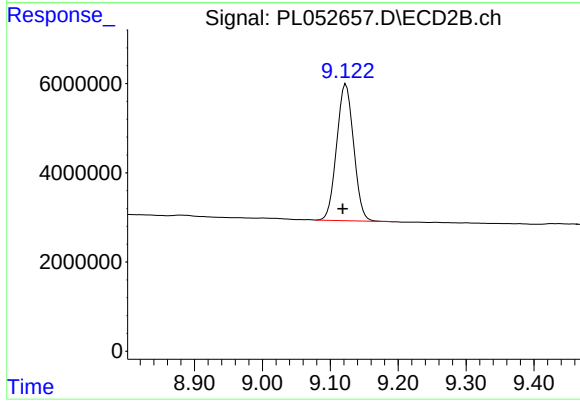
R.T.: 0.000 min  
Exp R.T.: 7.035 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.351 min  
Delta R.T.: -0.004 min  
Response: 158818020  
Conc: 18.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 9.123 min  
Delta R.T.: 0.005 min  
Response: 53195548  
Conc: 22.21 ng/ml