

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL110419\  
 Data File : PL054018.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 Nov 2019 14:33  
 Operator : SG\AJ  
 Sample : K5658-03MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-30-SMSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 05 00:11:19 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL101919.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 18 13:56:08 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... | 3.541  | 4.044  | 166.3E6 | 40252546 | 15.344  | 16.086     |
| 28)                         | SA Decachlor... | 8.324  | 9.121  | 140.4E6 | 39415595 | 14.314  | 13.997     |
| Target Compounds            |                 |        |        |         |          |         |            |
| 2)                          | A alpha-BHC     | 3.985  | 4.435  | 790.2E6 | 151.4E6  | 45.317  | 43.789     |
| 3)                          | MA gamma-BHC... | 4.271  | 4.721  | 708.2E6 | 142.2E6  | 45.472  | 44.158     |
| 4)                          | MA Heptachlor   | 4.577  | 5.230  | 697.5E6 | 133.3E6  | 44.192  | 41.372     |
| 5)                          | MB Aldrin       | 4.829  | 5.536  | 662.5E6 | 130.4E6  | 46.346  | 43.746     |
| 6)                          | B beta-BHC      | 4.521  | 4.890  | 268.8E6 | 62784785 | 40.792  | 40.647     |
| 7)                          | B delta-BHC     | 4.729  | 5.108  | 547.9E6 | 109.2E6  | 35.998  | 36.145     |
| 8)                          | B Heptachlo...  | 5.274  | 5.922  | 594.0E6 | 120.9E6  | 44.001  | 41.450     |
| 9)                          | A Endosulfan I  | 5.616  | 6.278  | 477.8E6 | 101.9E6  | 38.873  | 37.602     |
| 10)                         | B gamma-Chl...  | 5.503  | 6.155  | 603.0E6 | 122.5E6  | 44.198  | 41.974     |
| 11)                         | B alpha-Chl...  | 5.561  | 6.228  | 584.2E6 | 124.0E6  | 43.916  | 42.481     |
| 12)                         | B 4,4'-DDE      | 5.724  | 6.384  | 550.9E6 | 121.8E6  | 46.362  | 43.235     |
| 13)                         | MA Dieldrin     | 5.860  | 6.535  | 555.3E6 | 118.6E6  | 42.603  | 41.547     |
| 14)                         | MA Endrin       | 6.119  | 6.753  | 387.9E6 | 80687348 | 33.462  | 33.243     |
| 15)                         | B Endosulfa...  | 6.392  | 6.962  | 342.3E6 | 84039377 | 30.618  | 32.899     |
| 16)                         | A 4,4'-DDD      | 6.242  | 6.874  | 393.5E6 | 94030866 | 44.213  | 45.121     |
| 17)                         | MA 4,4'-DDT     | 6.484  | 7.173  | 359.6E6 | 86546994 | 36.304  | 37.426     |
| 18)                         | B Endrin al...  | 6.561  | 7.086  | 216.5E6 | 56943453 | 23.614  | 25.921     |
| 19)                         | B Endosulfa...  | 6.773  | 7.308  | 231.7E6 | 59323113 | 22.779  | 24.178     |
| 20)                         | A Methoxychlor  | 7.029  | 7.630  | 127.9E6 | 33764751 | 25.951  | 25.995     |
| 21)                         | B Endrin ke...  | 7.268  | 7.780  | 363.8E6 | 87657035 | 33.791  | 33.996     |
| 22)                         | Mirex           | 7.461  | 8.234  | 368.6E6 | 93076096 | 43.099  | 46.007     |
| 23)                         | Chlordane-1     | 4.444f | 0.000  | 5313383 | 0        | 14.981  | N.D. #     |
| 24)                         | Chlordane-2     | 0.000  | 5.536f | 0       | 130.4E6  | N.D.    | 1327.934 # |
| 25)                         | Chlordane-3     | 5.503  | 6.155  | 603.0E6 | 122.5E6  | 523.145 | 335.325 #  |
| 26)                         | Chlordane-4     | 5.561  | 6.228  | 584.2E6 | 124.0E6  | 623.221 | 276.234 #  |
| 27)                         | Chlordane-5     | 6.392f | 0.000  | 342.3E6 | 0        | 936.479 | N.D. #     |
| -----                       |                 |        |        |         |          |         |            |

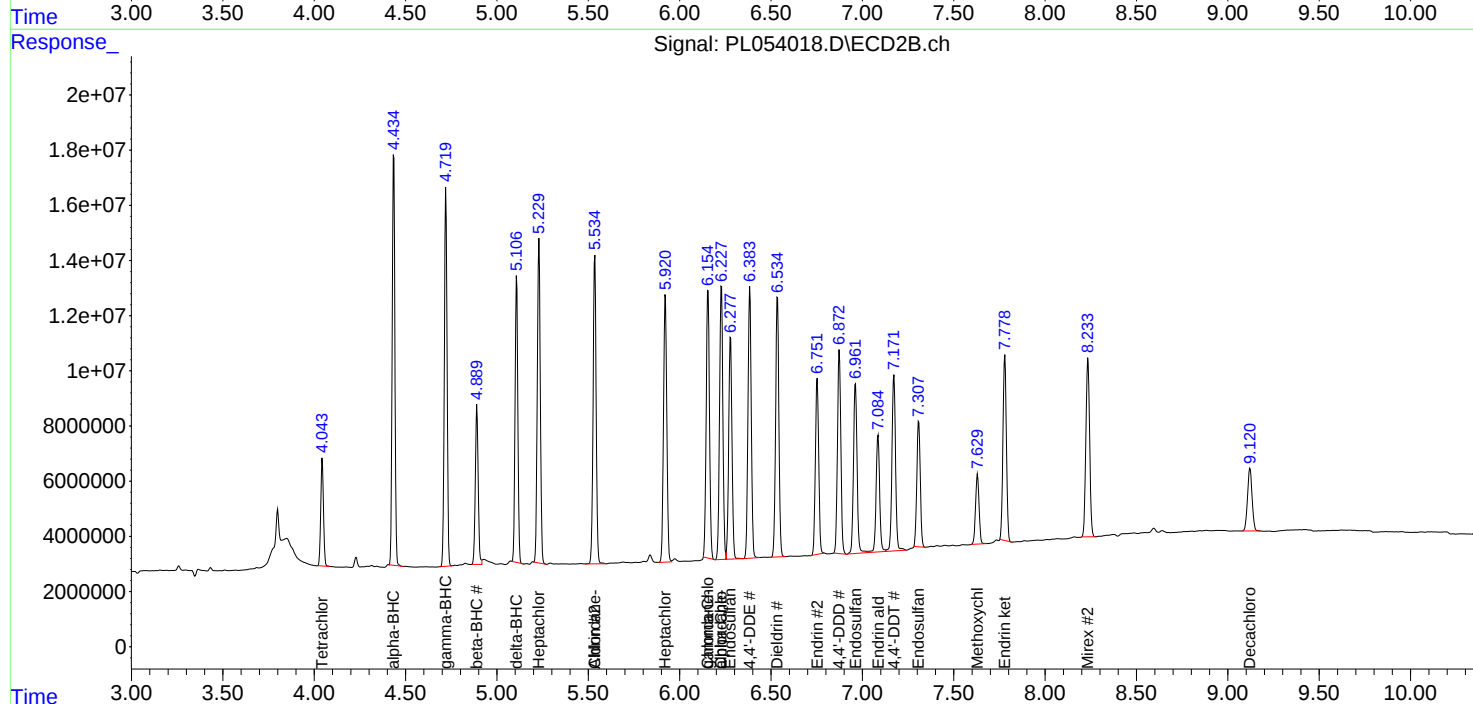
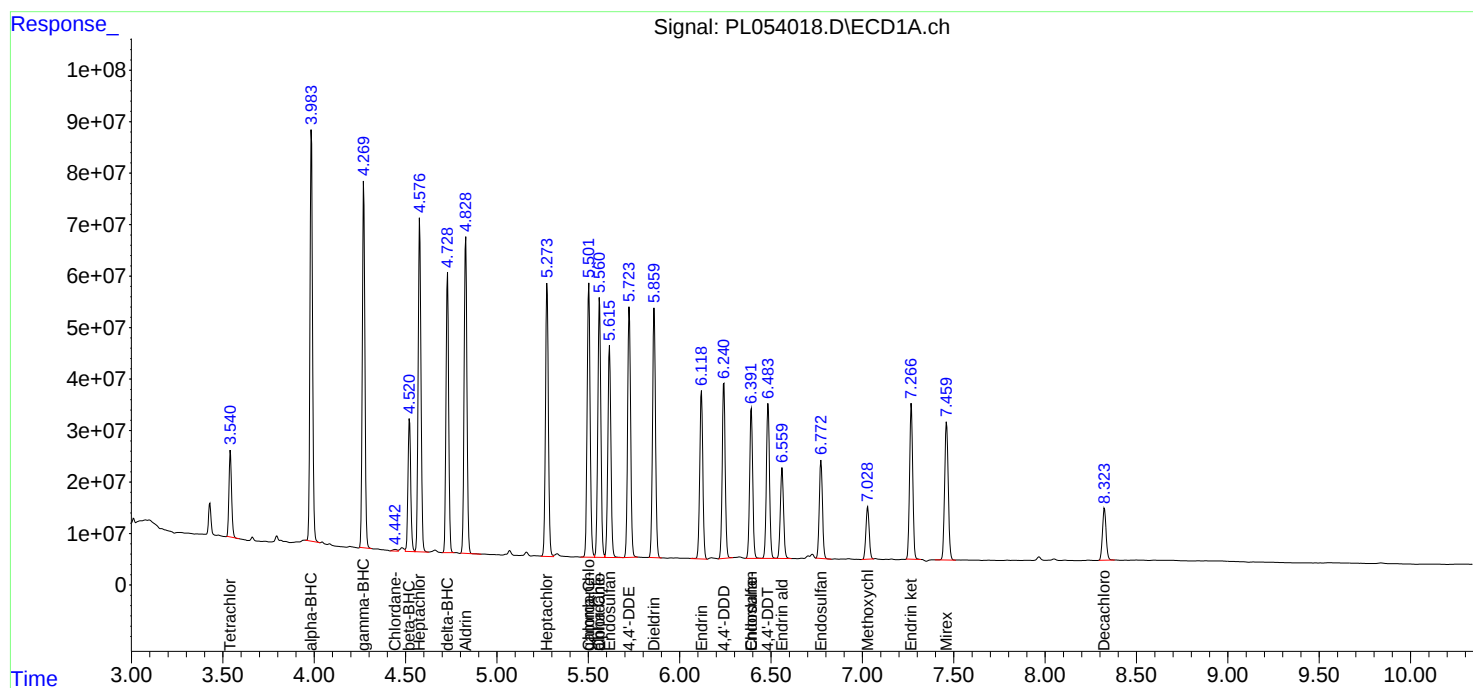
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

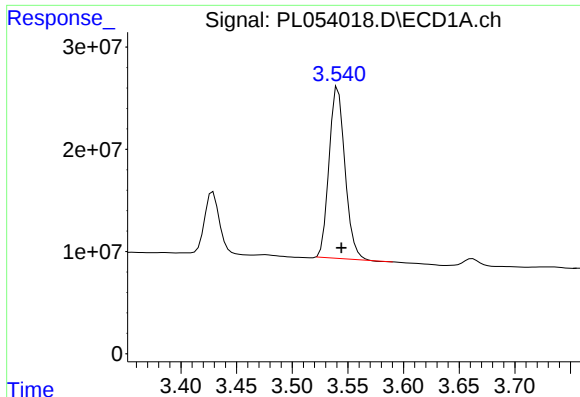
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL110419\  
Data File : PL054018.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 04 Nov 2019 14:33  
Operator : SG\AJ  
Sample : K5658-03MSD  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampled :  
TP-30-SMSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 05 00:11:19 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL101919.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 18 13:56:08 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

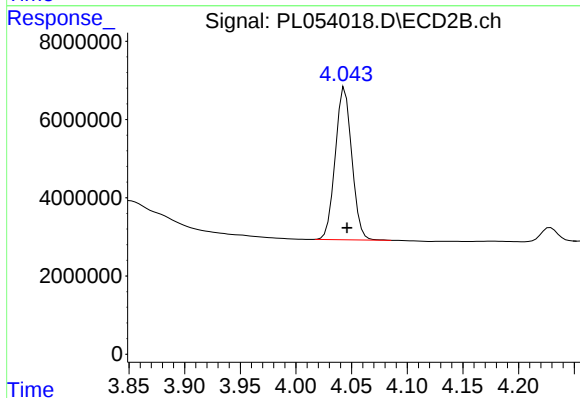




#1 Tetrachloro-m-xylene

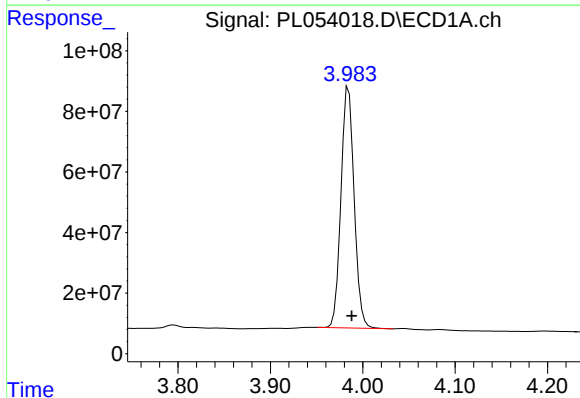
R.T.: 3.541 min  
Delta R.T.: -0.003 min  
Response: 166319193  
Conc: 15.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



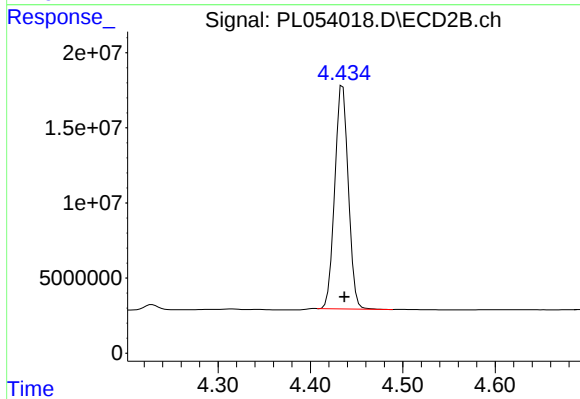
#1 Tetrachloro-m-xylene

R.T.: 4.044 min  
Delta R.T.: -0.002 min  
Response: 40252546  
Conc: 16.09 ng/ml



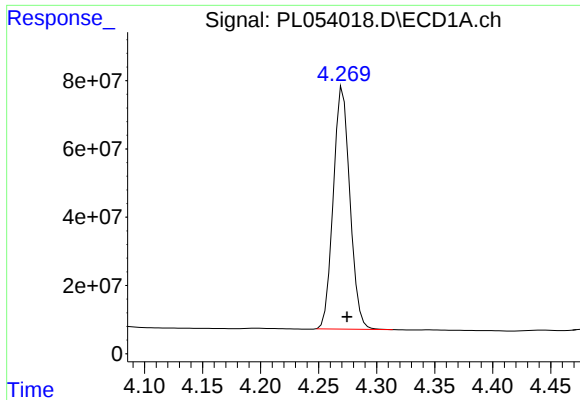
#2 alpha-BHC

R.T.: 3.985 min  
Delta R.T.: -0.003 min  
Response: 790176868  
Conc: 45.32 ng/ml



#2 alpha-BHC

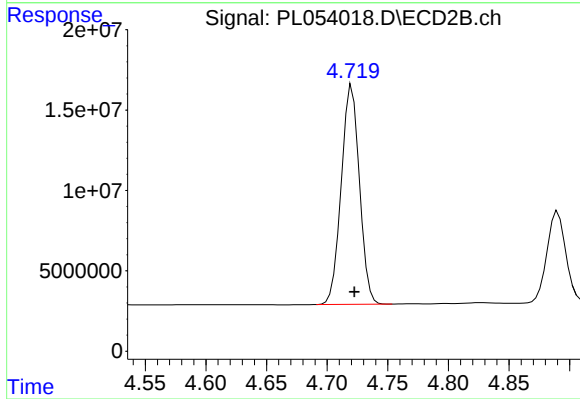
R.T.: 4.435 min  
Delta R.T.: -0.002 min  
Response: 151382335  
Conc: 43.79 ng/ml



#3 gamma-BHC (Lindane)

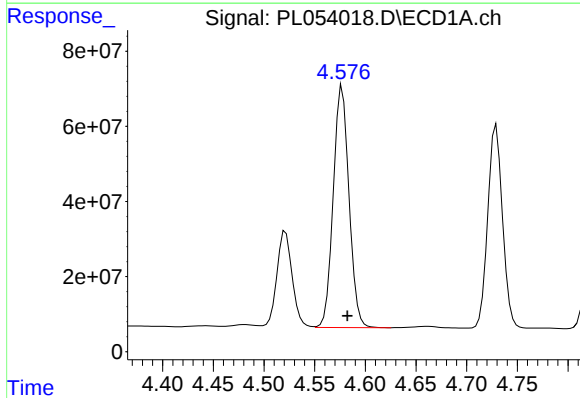
R.T.: 4.271 min  
Delta R.T.: -0.004 min  
Response: 708158915  
Conc: 45.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



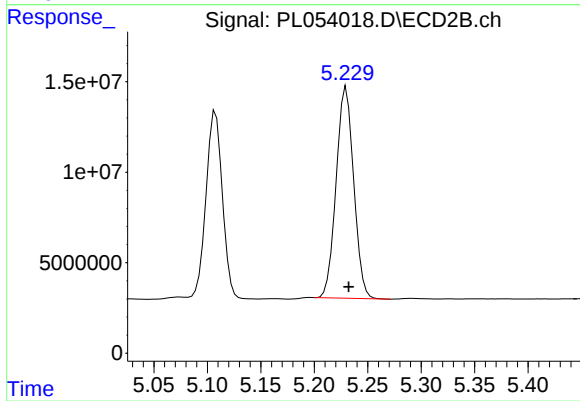
#3 gamma-BHC (Lindane)

R.T.: 4.721 min  
Delta R.T.: -0.002 min  
Response: 142205547  
Conc: 44.16 ng/ml



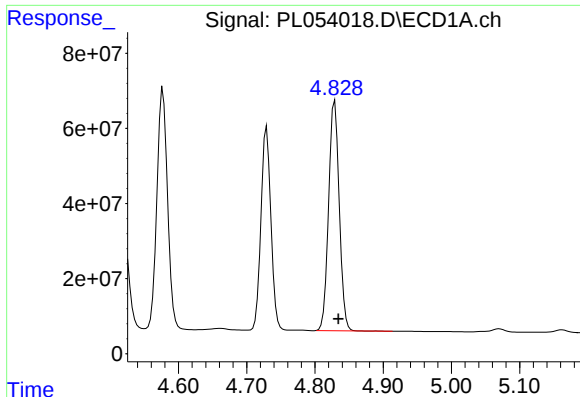
#4 Heptachlor

R.T.: 4.577 min  
Delta R.T.: -0.005 min  
Response: 697485642  
Conc: 44.19 ng/ml



#4 Heptachlor

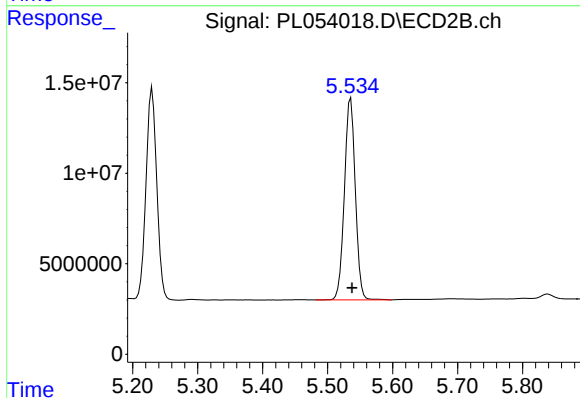
R.T.: 5.230 min  
Delta R.T.: -0.002 min  
Response: 133308356  
Conc: 41.37 ng/ml



#5 Aldrin

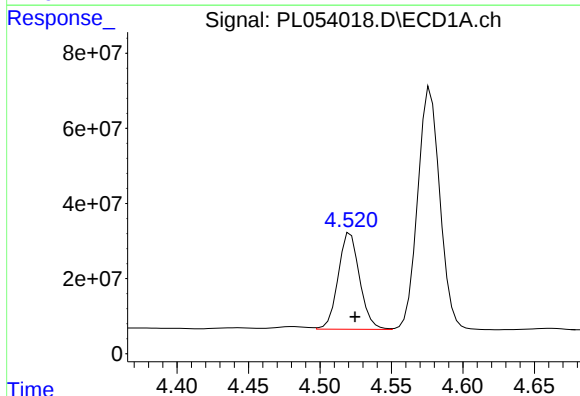
R.T.: 4.829 min  
Delta R.T.: -0.005 min  
Response: 662543698  
Conc: 46.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



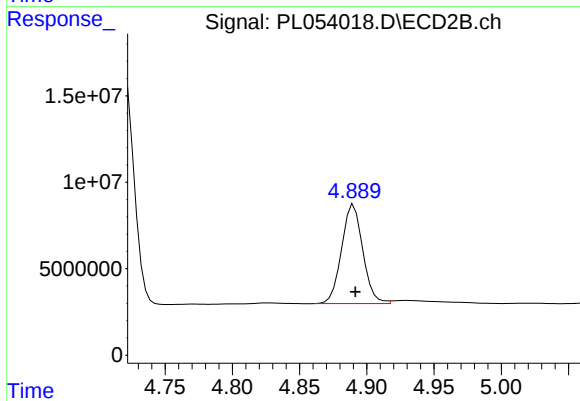
#5 Aldrin

R.T.: 5.536 min  
Delta R.T.: -0.002 min  
Response: 130431575  
Conc: 43.75 ng/ml



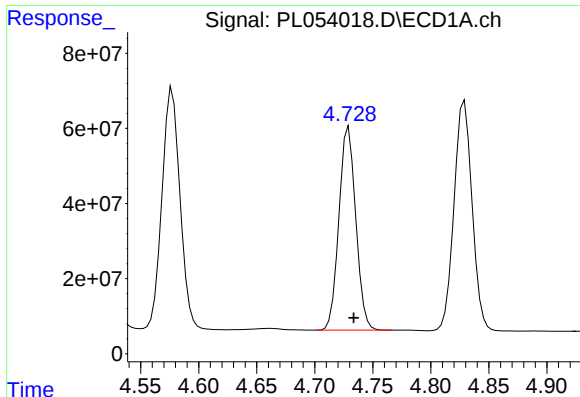
#6 beta-BHC

R.T.: 4.521 min  
Delta R.T.: -0.003 min  
Response: 268814911  
Conc: 40.79 ng/ml



#6 beta-BHC

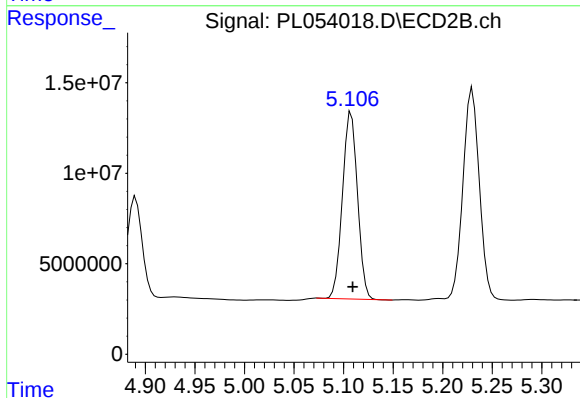
R.T.: 4.890 min  
Delta R.T.: -0.001 min  
Response: 62784785  
Conc: 40.65 ng/ml



#7 delta-BHC

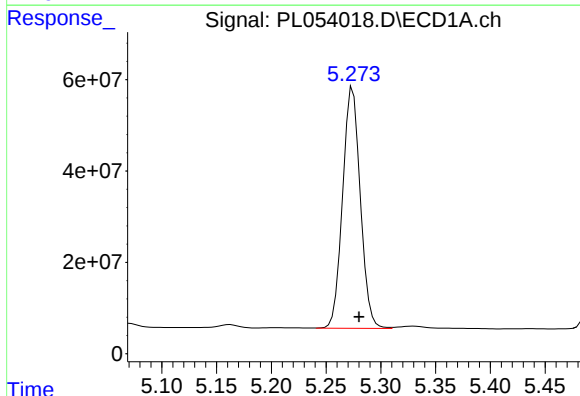
R.T.: 4.729 min  
Delta R.T.: -0.004 min  
Response: 547921538  
Conc: 36.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



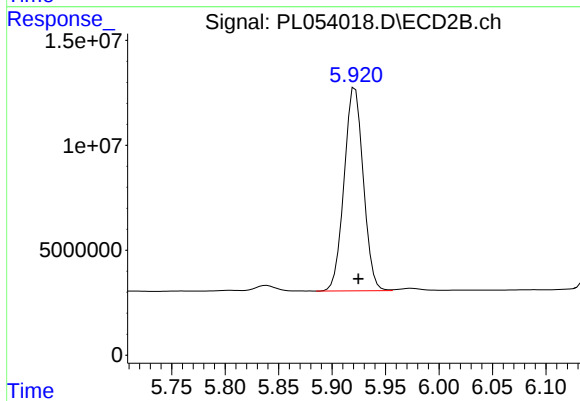
#7 delta-BHC

R.T.: 5.108 min  
Delta R.T.: -0.001 min  
Response: 109179562  
Conc: 36.15 ng/ml



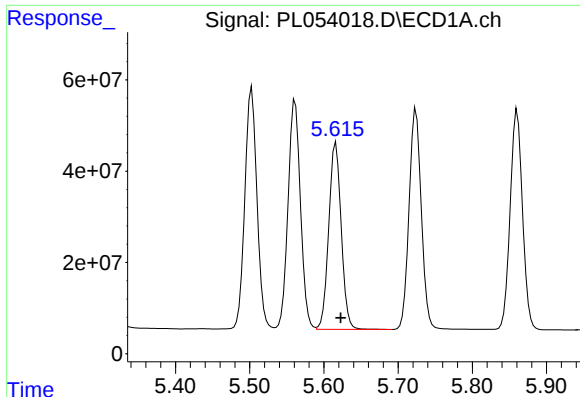
#8 Heptachlor epoxide

R.T.: 5.274 min  
Delta R.T.: -0.006 min  
Response: 593981919  
Conc: 44.00 ng/ml



#8 Heptachlor epoxide

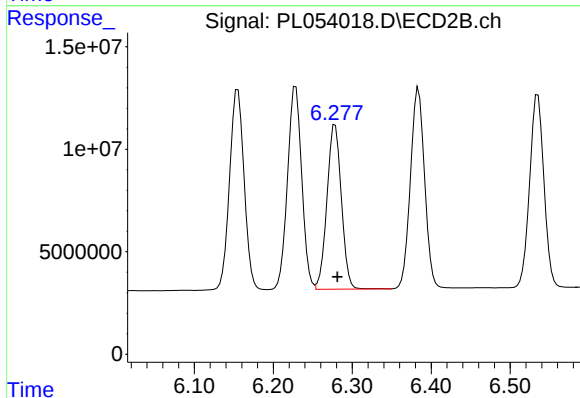
R.T.: 5.922 min  
Delta R.T.: -0.003 min  
Response: 120885305  
Conc: 41.45 ng/ml



#9 Endosulfan I

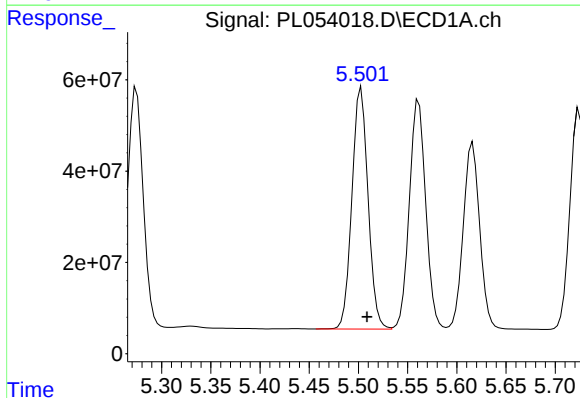
R.T.: 5.616 min  
Delta R.T.: -0.006 min  
Response: 477828529  
Conc: 38.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



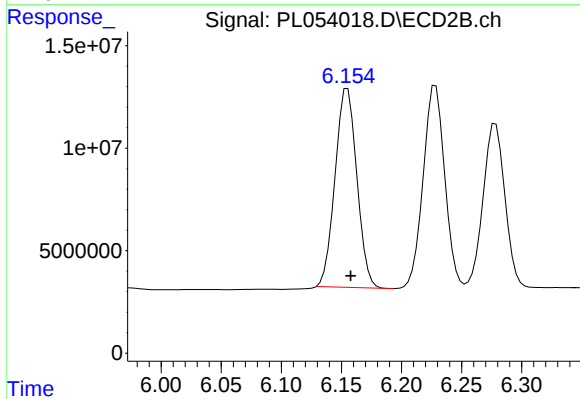
#9 Endosulfan I

R.T.: 6.278 min  
Delta R.T.: -0.003 min  
Response: 101947008  
Conc: 37.60 ng/ml



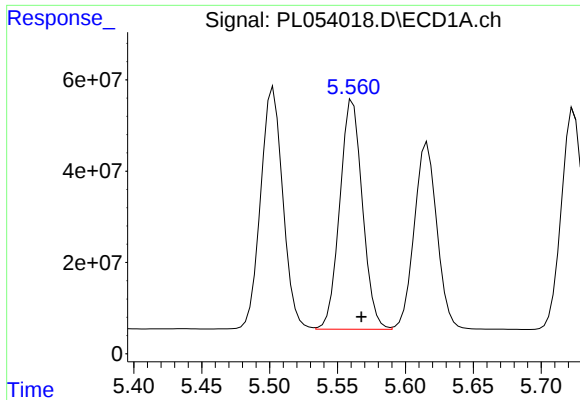
#10 gamma-Chlordane

R.T.: 5.503 min  
Delta R.T.: -0.006 min  
Response: 603021756  
Conc: 44.20 ng/ml



#10 gamma-Chlordane

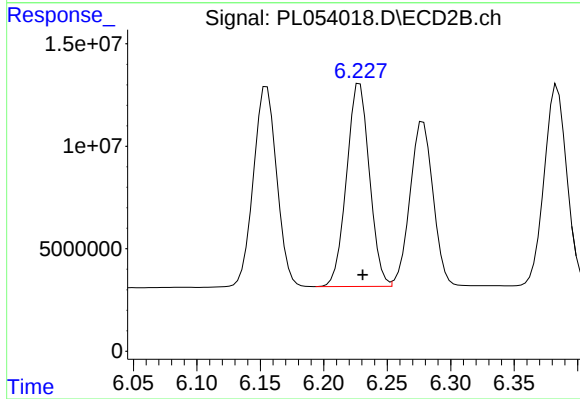
R.T.: 6.155 min  
Delta R.T.: -0.003 min  
Response: 122470958  
Conc: 41.97 ng/ml



#11 alpha-Chlordane

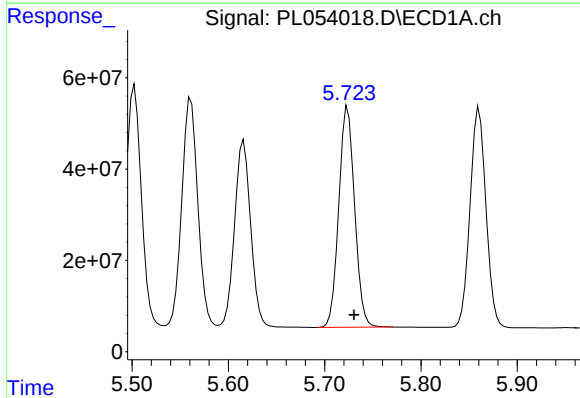
R.T.: 5.561 min  
Delta R.T.: -0.006 min  
Response: 584239323  
Conc: 43.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



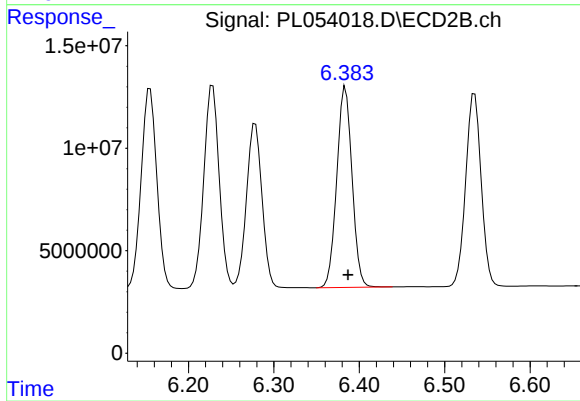
#11 alpha-Chlordane

R.T.: 6.228 min  
Delta R.T.: -0.002 min  
Response: 124011565  
Conc: 42.48 ng/ml



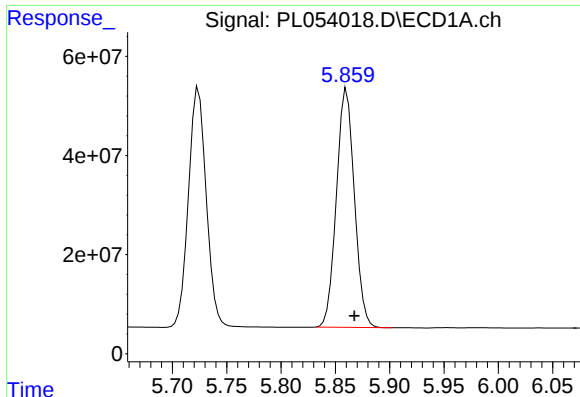
#12 4,4'-DDE

R.T.: 5.724 min  
Delta R.T.: -0.007 min  
Response: 550884355  
Conc: 46.36 ng/ml



#12 4,4'-DDE

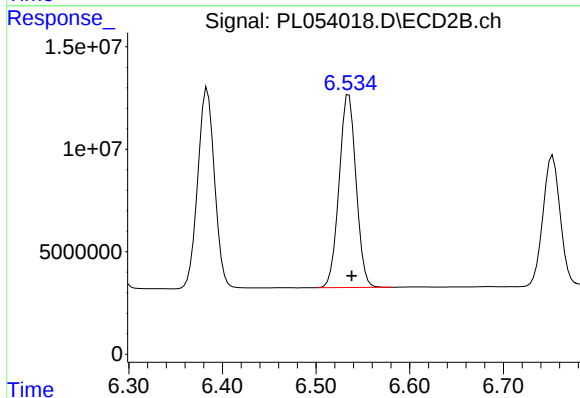
R.T.: 6.384 min  
Delta R.T.: -0.003 min  
Response: 121766060  
Conc: 43.24 ng/ml



#13 Dieldrin

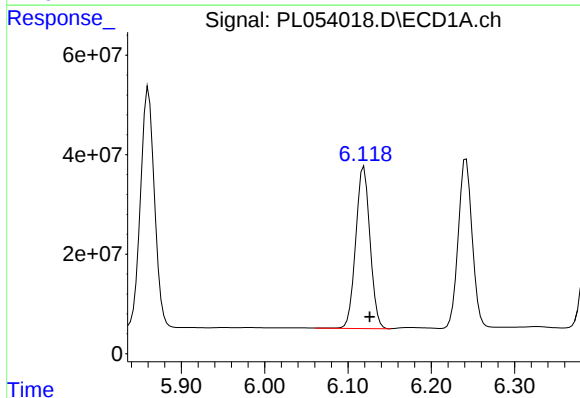
R.T.: 5.860 min  
Delta R.T.: -0.007 min  
Response: 555273244  
Conc: 42.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



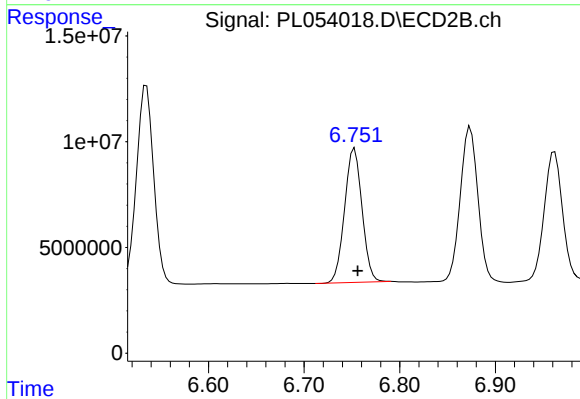
#13 Dieldrin

R.T.: 6.535 min  
Delta R.T.: -0.003 min  
Response: 118559720  
Conc: 41.55 ng/ml



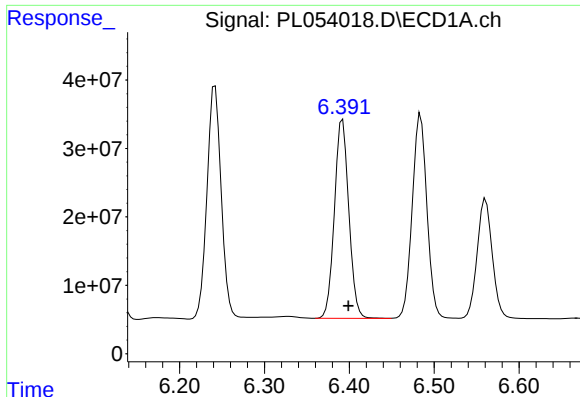
#14 Endrin

R.T.: 6.119 min  
Delta R.T.: -0.007 min  
Response: 387865865  
Conc: 33.46 ng/ml



#14 Endrin

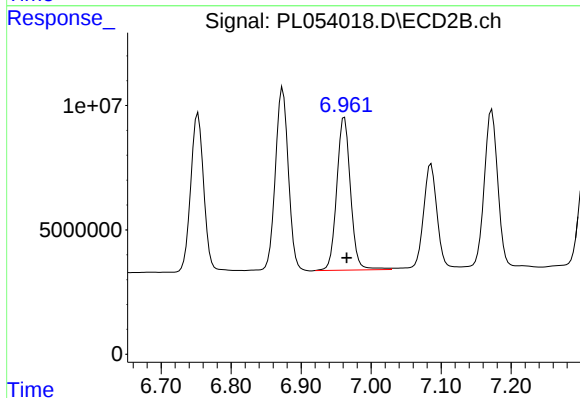
R.T.: 6.753 min  
Delta R.T.: -0.003 min  
Response: 80687348  
Conc: 33.24 ng/ml



#15 Endosulfan II

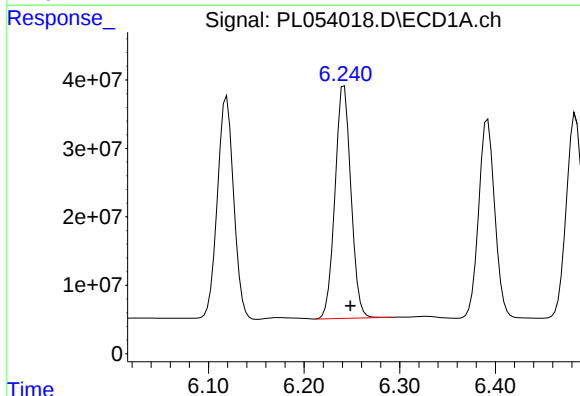
R.T.: 6.392 min  
Delta R.T.: -0.007 min  
Response: 342324677  
Conc: 30.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



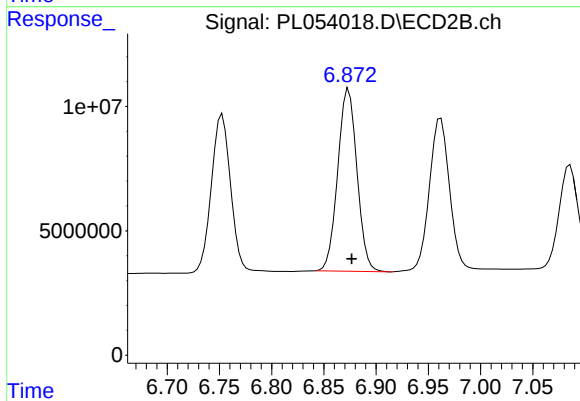
#15 Endosulfan II

R.T.: 6.962 min  
Delta R.T.: -0.003 min  
Response: 84039377  
Conc: 32.90 ng/ml



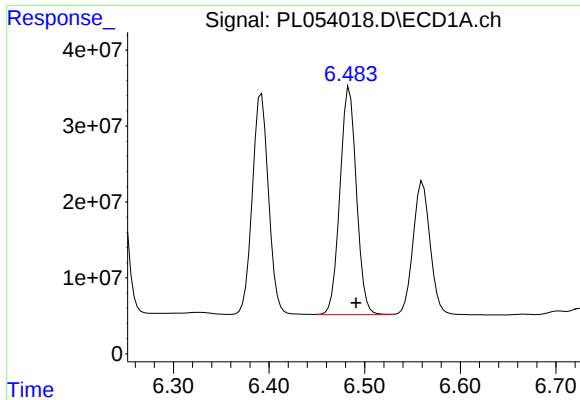
#16 4,4'-DDD

R.T.: 6.242 min  
Delta R.T.: -0.007 min  
Response: 393491932  
Conc: 44.21 ng/ml



#16 4,4'-DDD

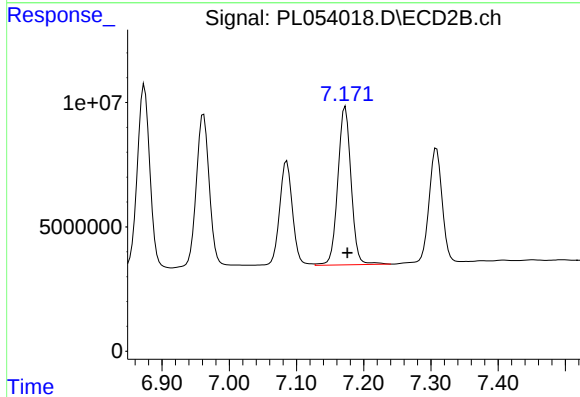
R.T.: 6.874 min  
Delta R.T.: -0.003 min  
Response: 94030866  
Conc: 45.12 ng/ml



#17 4,4'-DDT

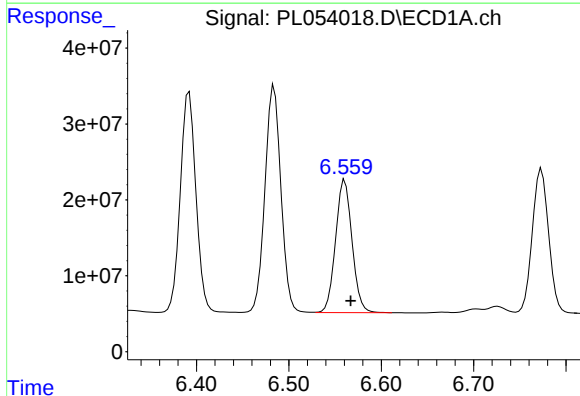
R.T.: 6.484 min  
Delta R.T.: -0.007 min  
Response: 359634882  
Conc: 36.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



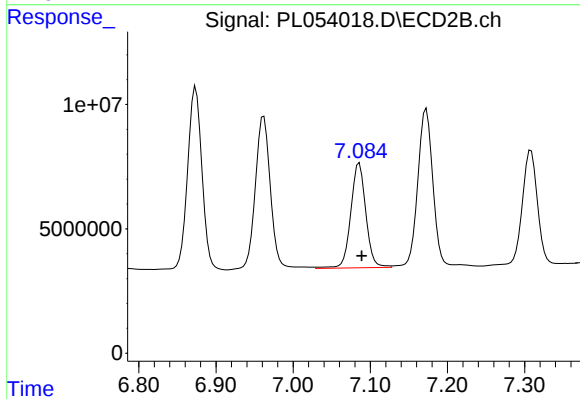
#17 4,4'-DDT

R.T.: 7.173 min  
Delta R.T.: -0.003 min  
Response: 86546994  
Conc: 37.43 ng/ml



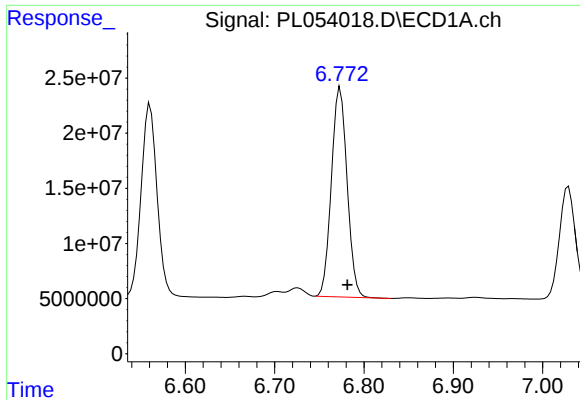
#18 Endrin aldehyde

R.T.: 6.561 min  
Delta R.T.: -0.006 min  
Response: 216523196  
Conc: 23.61 ng/ml



#18 Endrin aldehyde

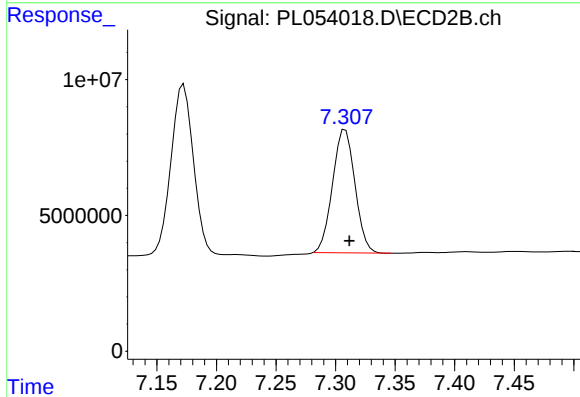
R.T.: 7.086 min  
Delta R.T.: -0.003 min  
Response: 56943453  
Conc: 25.92 ng/ml



#19 Endosulfan Sulfate

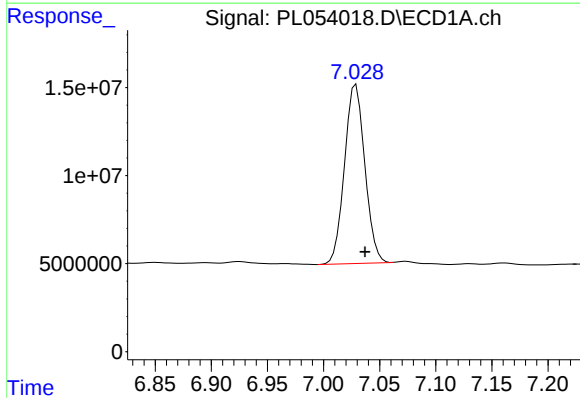
R.T.: 6.773 min  
Delta R.T.: -0.008 min  
Response: 231701985  
Conc: 22.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



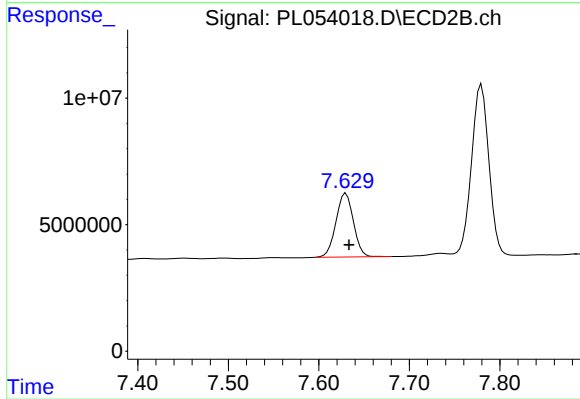
#19 Endosulfan Sulfate

R.T.: 7.308 min  
Delta R.T.: -0.003 min  
Response: 59323113  
Conc: 24.18 ng/ml



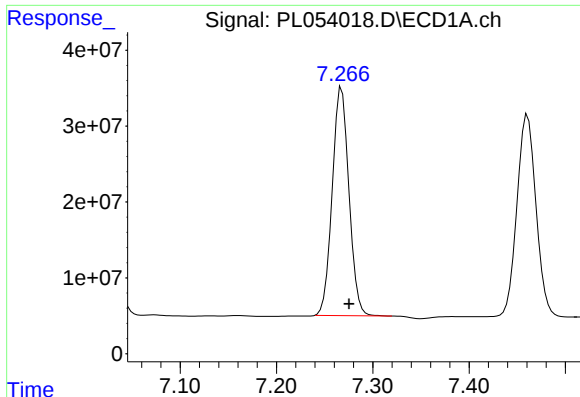
#20 Methoxychlor

R.T.: 7.029 min  
Delta R.T.: -0.008 min  
Response: 127946191  
Conc: 25.95 ng/ml



#20 Methoxychlor

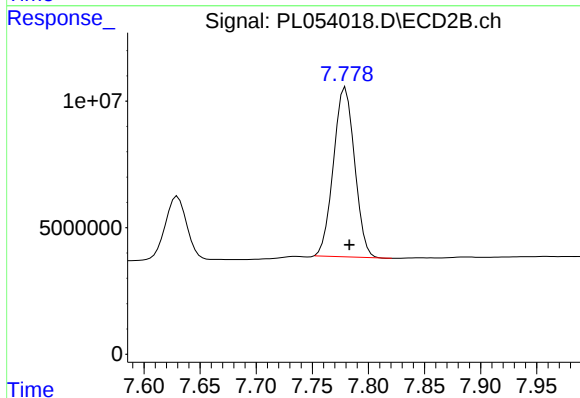
R.T.: 7.630 min  
Delta R.T.: -0.003 min  
Response: 33764751  
Conc: 25.99 ng/ml



#21 Endrin ketone

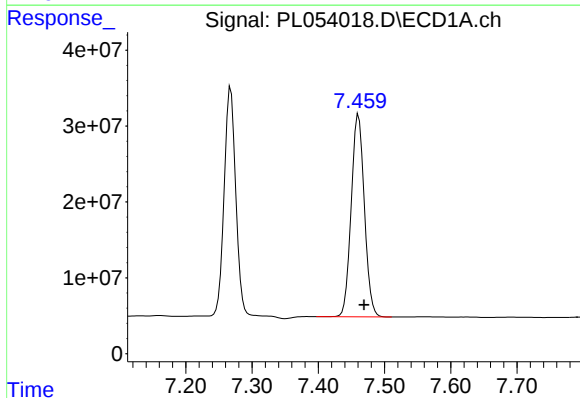
R.T.: 7.268 min  
Delta R.T.: -0.007 min  
Response: 363765792  
Conc: 33.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



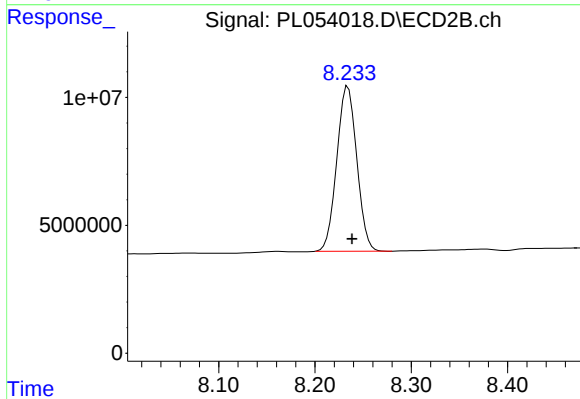
#21 Endrin ketone

R.T.: 7.780 min  
Delta R.T.: -0.004 min  
Response: 87657035  
Conc: 34.00 ng/ml



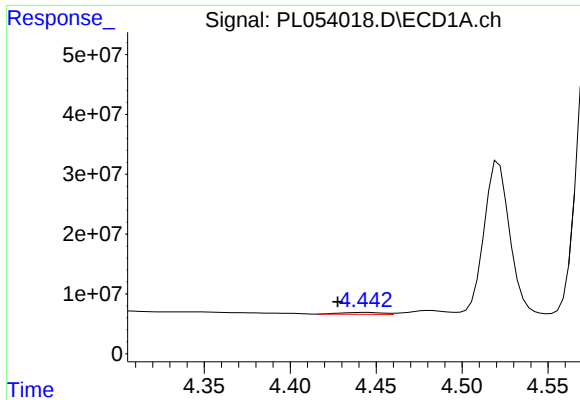
#22 Mirex

R.T.: 7.461 min  
Delta R.T.: -0.008 min  
Response: 368629426  
Conc: 43.10 ng/ml



#22 Mirex

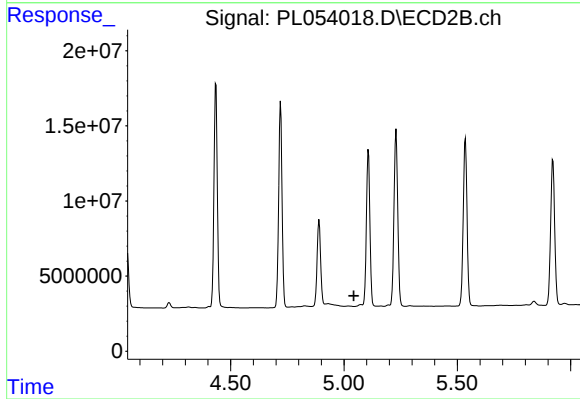
R.T.: 8.234 min  
Delta R.T.: -0.004 min  
Response: 93076096  
Conc: 46.01 ng/ml



#23 Chlordane-1

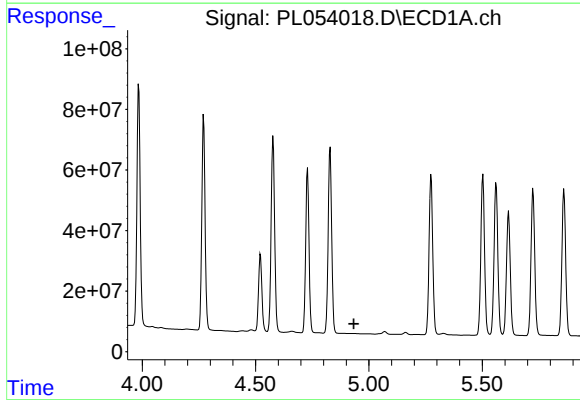
R.T.: 4.444 min  
Delta R.T.: 0.016 min  
Response: 5313383  
Conc: 14.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



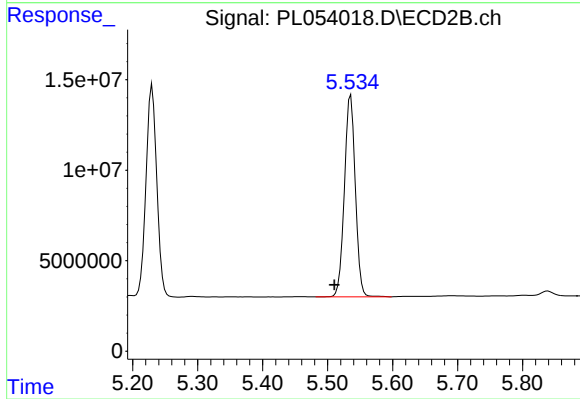
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T. : 5.043 min  
Response: 0  
Conc: N.D.



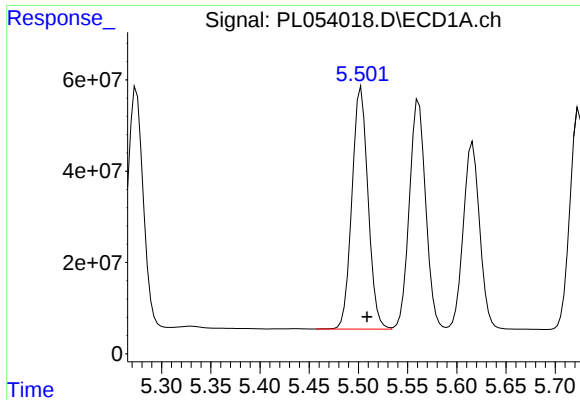
#24 Chlordane-2

R.T.: 0.000 min  
Exp R.T. : 4.934 min  
Response: 0  
Conc: N.D.



#24 Chlordane-2

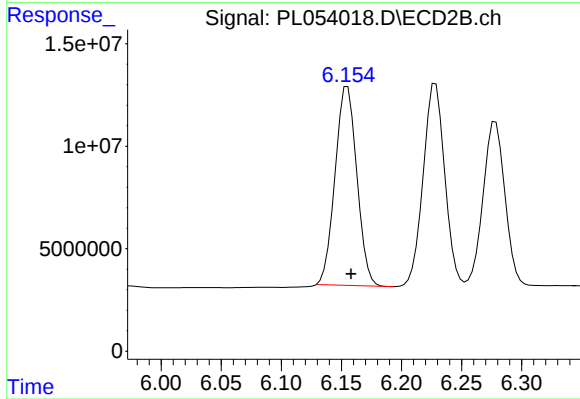
R.T.: 5.536 min  
Delta R.T.: 0.025 min  
Response: 130431575  
Conc: 1327.93 ng/ml



#25 Chlordane-3

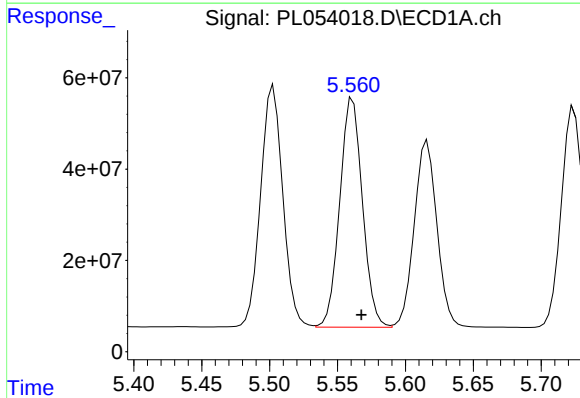
R.T.: 5.503 min  
Delta R.T.: -0.006 min  
Response: 603021756  
Conc: 523.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



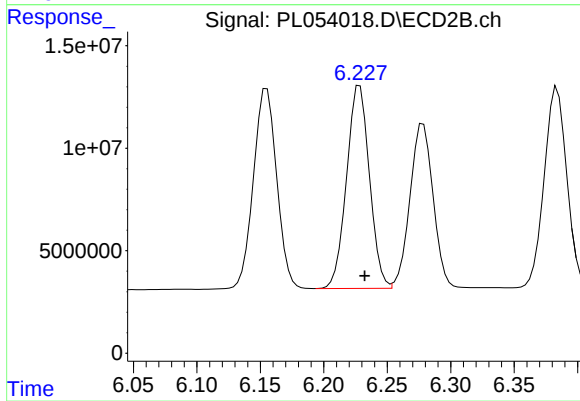
#25 Chlordane-3

R.T.: 6.155 min  
Delta R.T.: -0.003 min  
Response: 122470958  
Conc: 335.33 ng/ml



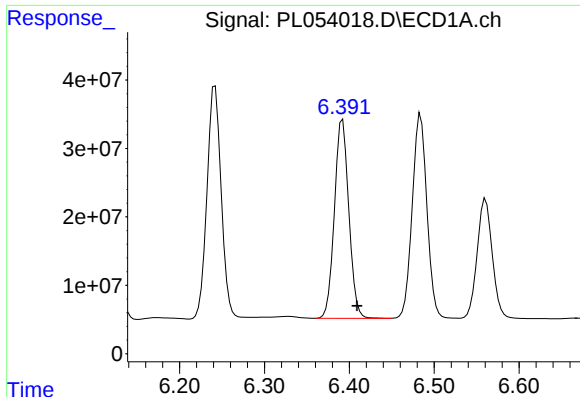
#26 Chlordane-4

R.T.: 5.561 min  
Delta R.T.: -0.006 min  
Response: 584239323  
Conc: 623.22 ng/ml



#26 Chlordane-4

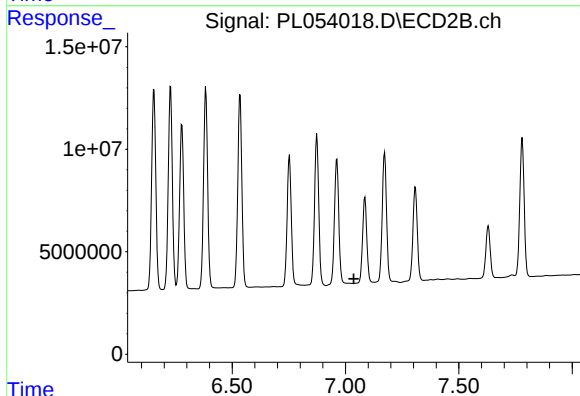
R.T.: 6.228 min  
Delta R.T.: -0.004 min  
Response: 124011565  
Conc: 276.23 ng/ml



#27 Chlordane-5

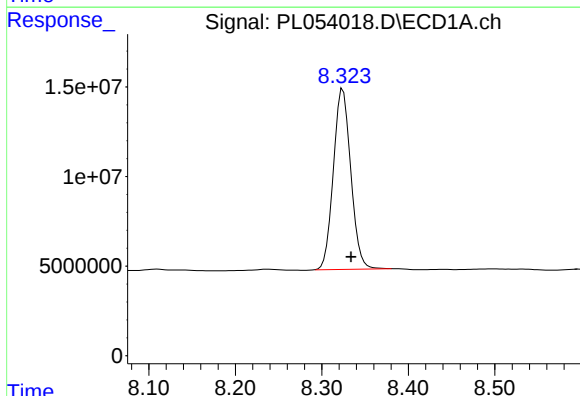
R.T.: 6.392 min  
Delta R.T.: -0.017 min  
Response: 342324677  
Conc: 936.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-30-SMSD



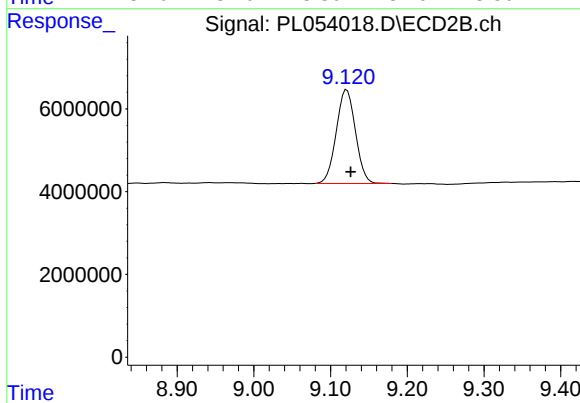
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T.: 7.037 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.324 min  
Delta R.T.: -0.010 min  
Response: 140441734  
Conc: 14.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min  
Delta R.T.: -0.005 min  
Response: 39415595  
Conc: 14.00 ng/ml