

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080519\  
 Data File : PD054191.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 05 Aug 2019 23:49  
 Operator : SM\AJ  
 Sample : K4143-17  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 EXT-023-SW071-073019

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 06 04:21:28 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD071919.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Jul 19 04:33:23 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm

|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml  | ng/ml    |
|-----------------------------|-----------------|--------|--------|----------|----------|--------|----------|
| -----                       |                 |        |        |          |          |        |          |
| System Monitoring Compounds |                 |        |        |          |          |        |          |
| 1)                          | SA Tetrachlo... | 3.312  | 3.983  | 13644612 | 18719977 | 23.707 | 21.490   |
| 28)                         | SA Decachlor... | 8.006  | 9.024  | 12908626 | 17590053 | 19.176 | 18.974   |
| Target Compounds            |                 |        |        |          |          |        |          |
| 3)                          | MA gamma-BHC... | 4.025  | 4.633f | 942303   | 230163   | 1.149  | 0.188 #  |
| 4)                          | MA Heptachlor   | 4.297  | 5.165  | 64357    | 210528   | 0.088  | 0.168 #  |
| 5)                          | MB Aldrin       | 0.000  | 5.442f | 0        | 92138    | N.D.   | 0.075 #  |
| 6)                          | B beta-BHC      | 4.297f | 0.000  | 64357    | 0        | 0.183  | N.D. #   |
| 7)                          | B delta-BHC     | 4.461  | 5.011f | 359354   | 843197   | 0.429  | 0.651 #  |
| 8)                          | B Heptachlo...  | 4.986  | 0.000  | 551296   | 0        | 0.727  | N.D. #   |
| 9)                          | A Endosulfan I  | 5.346f | 0.000  | 2016658  | 0        | 2.714  | N.D. #   |
| 10)                         | B gamma-Chl...  | 5.230f | 6.067  | 2827613  | 4812739  | 3.476  | 3.654    |
| 11)                         | B alpha-Chl...  | 5.264  | 6.156  | 1412212  | 3121659  | 1.743  | 2.404 #  |
| 12)                         | B 4,4'-DDE      | 5.435  | 6.308  | 10216744 | 11758076 | 12.893 | 9.570 #  |
| 13)                         | MA Dieldrin     | 5.561  | 6.456  | 4563258  | 1238759  | 5.619  | 0.986 #  |
| 14)                         | MA Endrin       | 5.818  | 6.667  | 891676   | 105554   | 1.191  | 0.101 #  |
| 15)                         | B Endosulfa...  | 0.000  | 6.898f | 0        | 721352   | N.D.   | 0.624 #  |
| 16)                         | A 4,4'-DDD      | 5.951  | 6.798  | -293977  | 3372645  | N.D.   | 3.338    |
| 17)                         | MA 4,4'-DDT     | 6.182  | 7.094  | 7622140  | 17045371 | 13.235 | 17.303 # |
| 18)                         | B Endrin al...  | 6.280f | 7.019  | 674209   | 505943   | 1.061  | 0.509 #  |
| 19)                         | B Endosulfa...  | 6.461  | 7.229  | 289401   | 1137148  | 0.412  | 1.046 #  |
| 20)                         | A Methoxychlor  | 0.000  | 7.523f | 0        | 705536   | N.D.   | 1.315 #  |
| 22)                         | Mirex           | 0.000  | 8.156  | 0        | 3707212  | N.D.   | 4.022 #  |
| 23)                         | Chlordane-1     | 4.186f | 4.965  | 846997   | 400545   | 42.806 | 10.692 # |
| 24)                         | Chlordane-2     | 4.628f | 5.442  | 589297   | 92138    | 22.768 | 2.174 #  |
| 25)                         | Chlordane-3     | 5.230f | 6.067  | 2827613  | 4812739  | 35.553 | 27.483   |
| 26)                         | Chlordane-4     | 5.264  | 6.156  | 1412212  | 3121659  | 20.519 | 14.747 # |
| -----                       |                 |        |        |          |          |        |          |

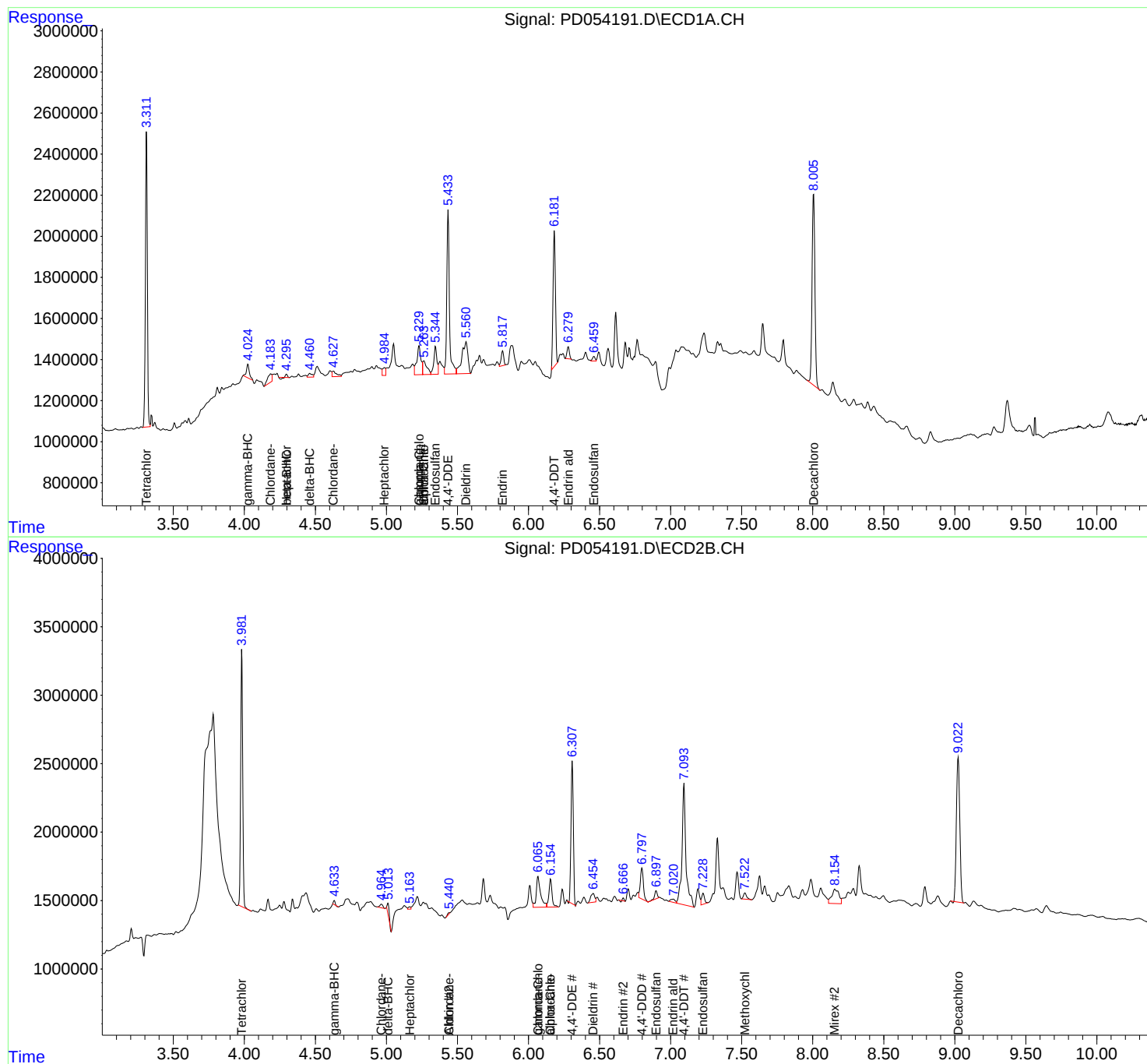
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

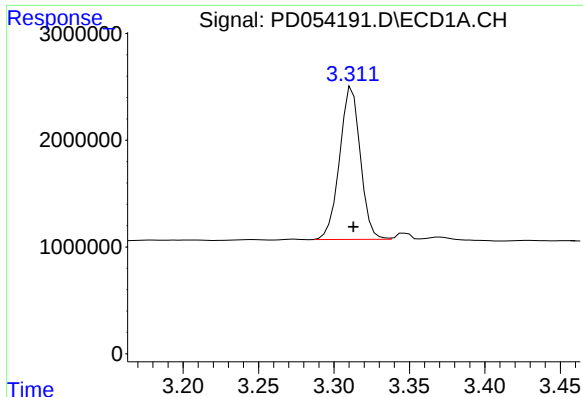
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080519\  
Data File : PD054191.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 05 Aug 2019 23:49  
Operator : SM\AJ  
Sample : K4143-17  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 06 04:21:28 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD071919.M  
Quant Title : GC Extractables  
QLast Update : Fri Jul 19 04:33:23 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

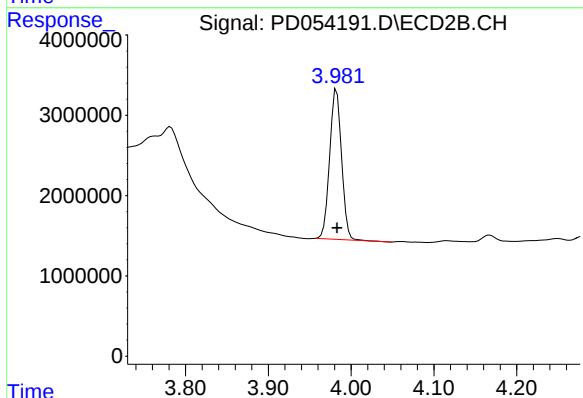




#1 Tetrachloro-m-xylene

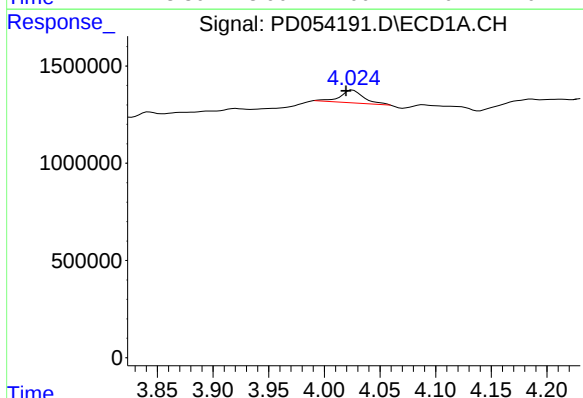
R.T.: 3.312 min  
Delta R.T.: 0.000 min  
Response: 13644612  
Conc: 23.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



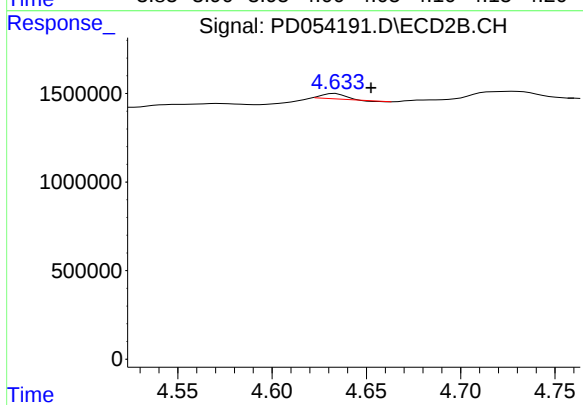
#1 Tetrachloro-m-xylene

R.T.: 3.983 min  
Delta R.T.: 0.000 min  
Response: 18719977  
Conc: 21.49 ng/ml



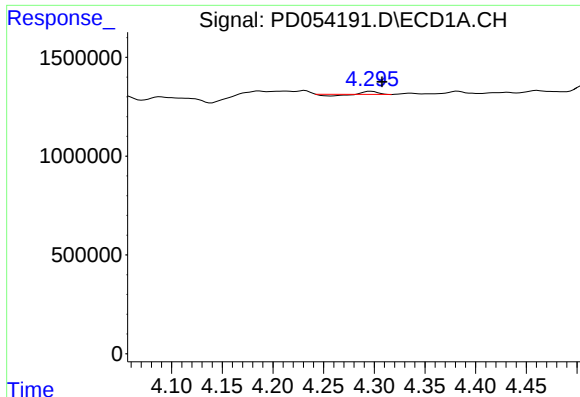
#3 gamma-BHC (Lindane)

R.T.: 4.025 min  
Delta R.T.: 0.006 min  
Response: 942303  
Conc: 1.15 ng/ml



#3 gamma-BHC (Lindane)

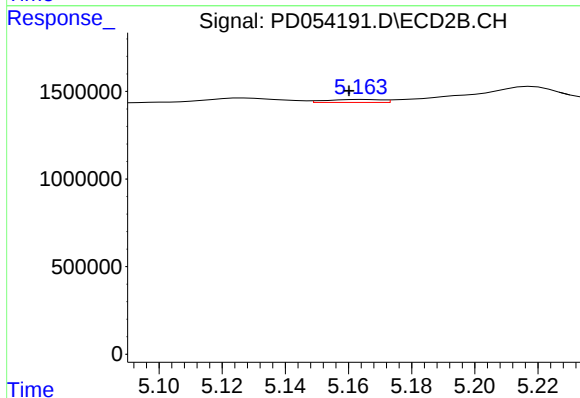
R.T.: 4.633 min  
Delta R.T.: -0.019 min  
Response: 230163  
Conc: 0.19 ng/ml



#4 Heptachlor

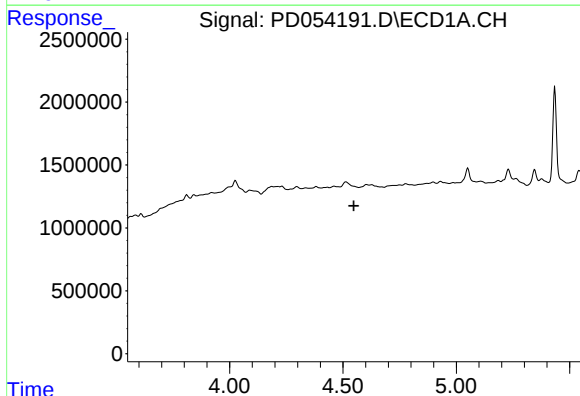
R.T.: 4.297 min  
Delta R.T.: -0.011 min  
Response: 64357  
Conc: 0.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



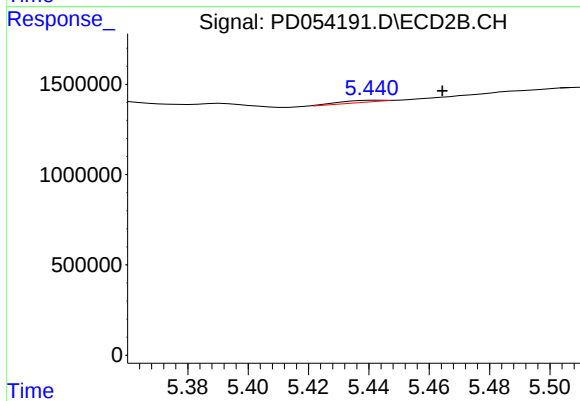
#4 Heptachlor

R.T.: 5.165 min  
Delta R.T.: 0.004 min  
Response: 210528  
Conc: 0.17 ng/ml



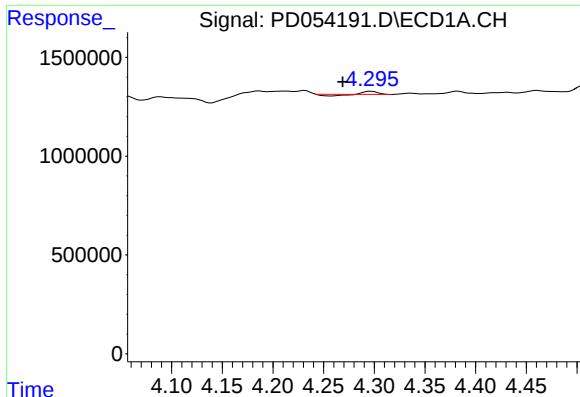
#5 Aldrin

R.T.: 0.000 min  
Exp R.T. : 4.548 min  
Response: 0  
Conc: N.D.



#5 Aldrin

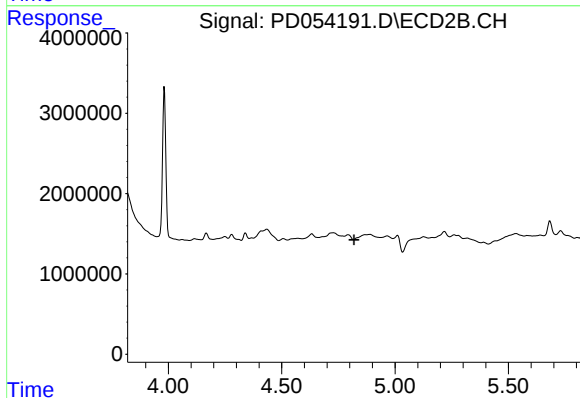
R.T.: 5.442 min  
Delta R.T.: -0.022 min  
Response: 92138  
Conc: 0.07 ng/ml



#6 beta-BHC

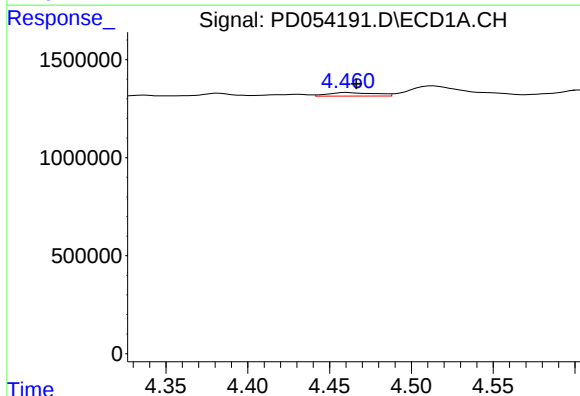
R.T.: 4.297 min  
Delta R.T.: 0.028 min  
Response: 64357  
Conc: 0.18 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



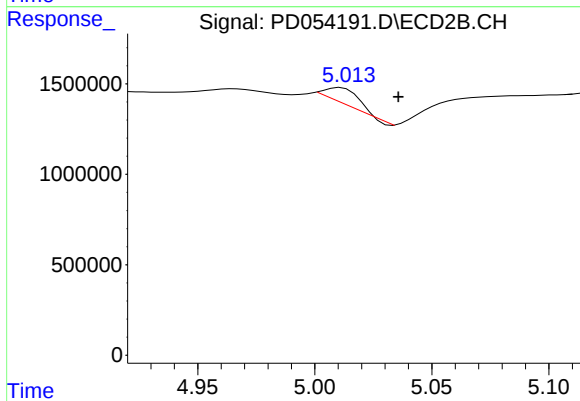
#6 beta-BHC

R.T.: 0.000 min  
Exp R.T. : 4.819 min  
Response: 0  
Conc: N.D.



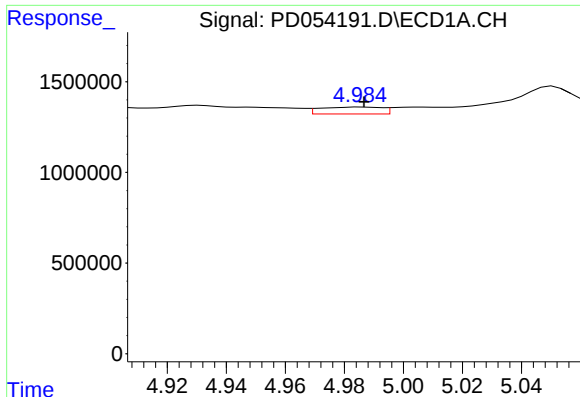
#7 delta-BHC

R.T.: 4.461 min  
Delta R.T.: -0.005 min  
Response: 359354  
Conc: 0.43 ng/ml



#7 delta-BHC

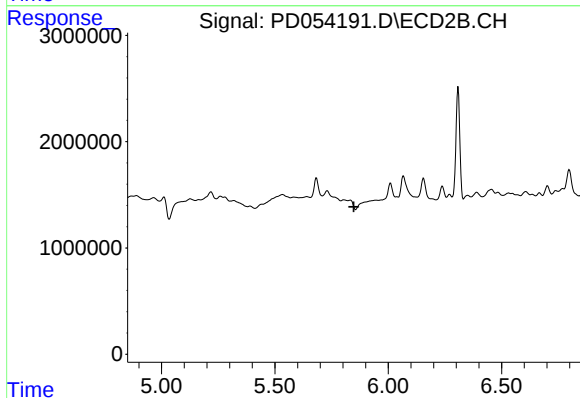
R.T.: 5.011 min  
Delta R.T.: -0.024 min  
Response: 843197  
Conc: 0.65 ng/ml



#8 Heptachlor epoxide

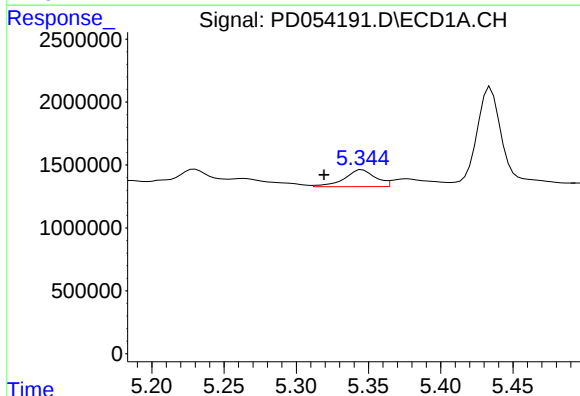
R.T.: 4.986 min  
Delta R.T.: 0.000 min  
Response: 551296  
Conc: 0.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



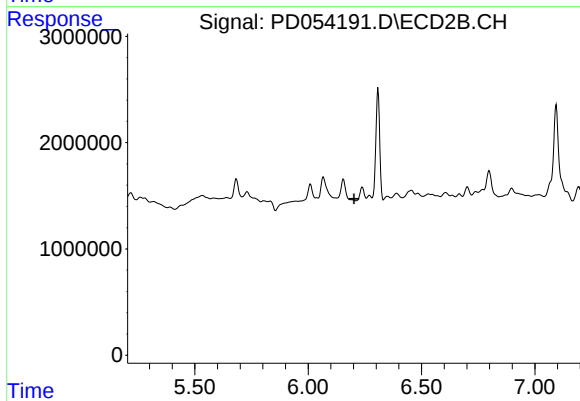
#8 Heptachlor epoxide

R.T.: 0.000 min  
Exp R.T. : 5.848 min  
Response: 0  
Conc: N.D.



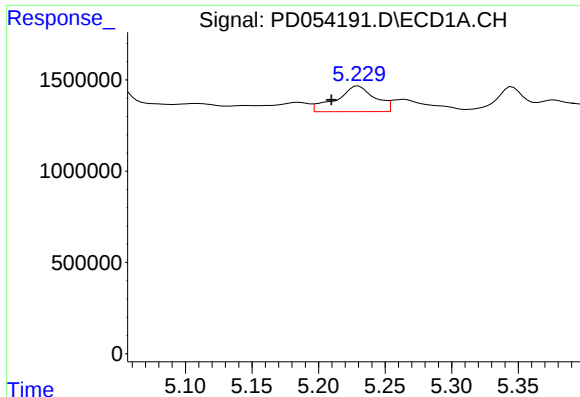
#9 Endosulfan I

R.T.: 5.346 min  
Delta R.T.: 0.026 min  
Response: 2016658  
Conc: 2.71 ng/ml



#9 Endosulfan I

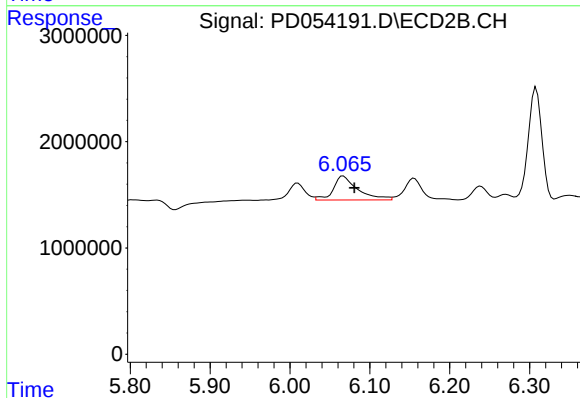
R.T.: 0.000 min  
Exp R.T. : 6.203 min  
Response: 0  
Conc: N.D.



#10 gamma-Chlordane

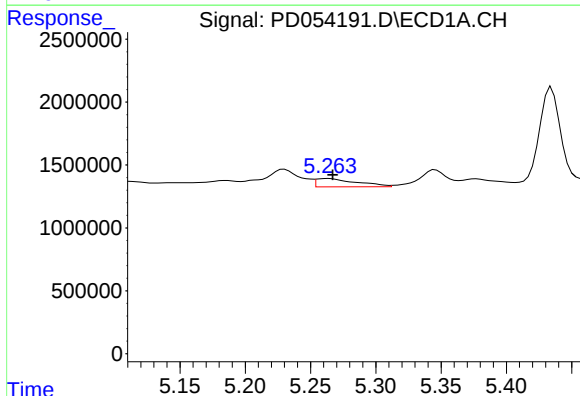
R.T.: 5.230 min  
Delta R.T.: 0.020 min  
Response: 2827613  
Conc: 3.48 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



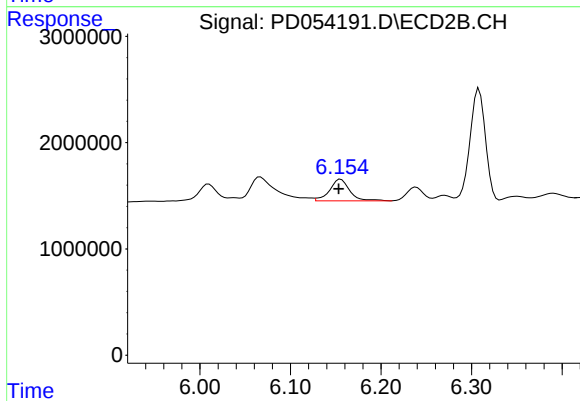
#10 gamma-Chlordane

R.T.: 6.067 min  
Delta R.T.: -0.014 min  
Response: 4812739  
Conc: 3.65 ng/ml



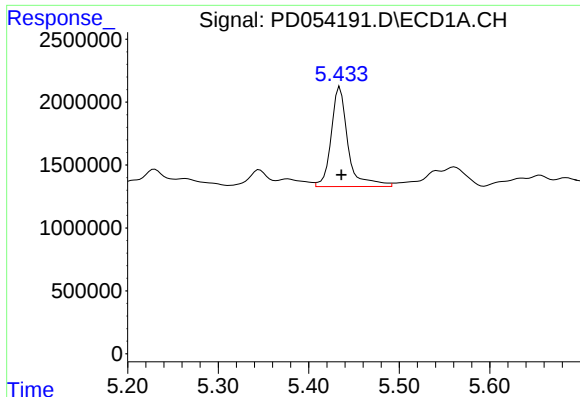
#11 alpha-Chlordane

R.T.: 5.264 min  
Delta R.T.: -0.003 min  
Response: 1412212  
Conc: 1.74 ng/ml



#11 alpha-Chlordane

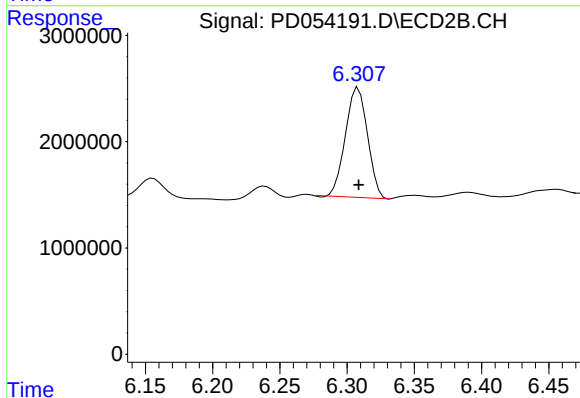
R.T.: 6.156 min  
Delta R.T.: 0.002 min  
Response: 3121659  
Conc: 2.40 ng/ml



#12 4,4'-DDE

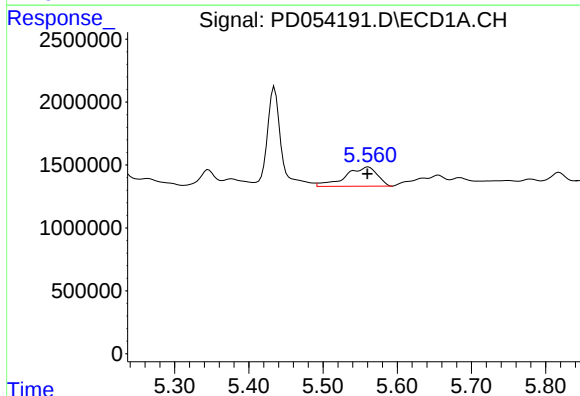
R.T.: 5.435 min  
Delta R.T.: -0.001 min  
Response: 10216744  
Conc: 12.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



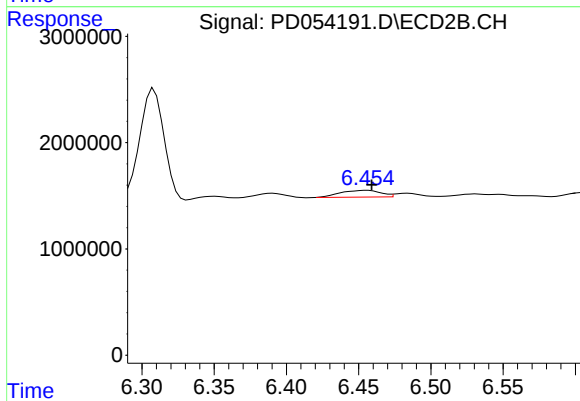
#12 4,4'-DDE

R.T.: 6.308 min  
Delta R.T.: 0.000 min  
Response: 11758076  
Conc: 9.57 ng/ml



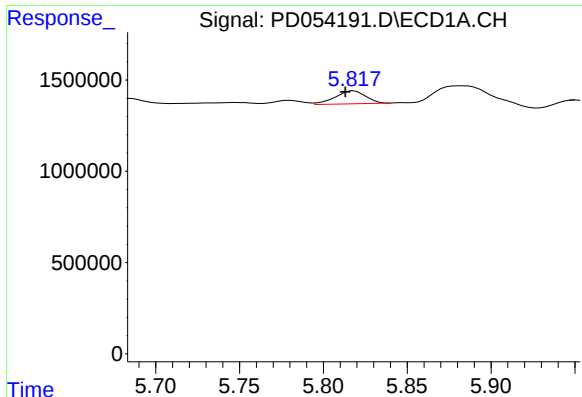
#13 Dieldrin

R.T.: 5.561 min  
Delta R.T.: 0.001 min  
Response: 4563258  
Conc: 5.62 ng/ml



#13 Dieldrin

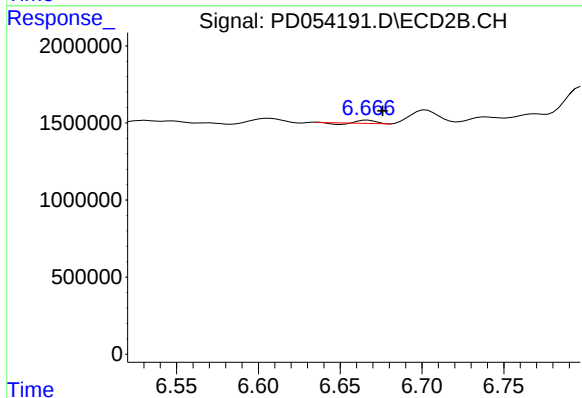
R.T.: 6.456 min  
Delta R.T.: -0.003 min  
Response: 1238759  
Conc: 0.99 ng/ml



#14 Endrin

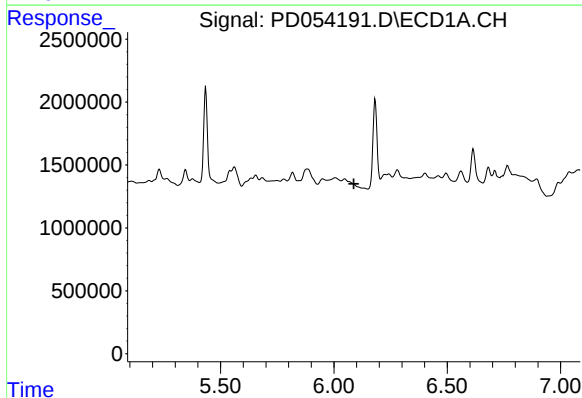
R.T.: 5.818 min  
Delta R.T.: 0.005 min  
Response: 891676  
Conc: 1.19 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



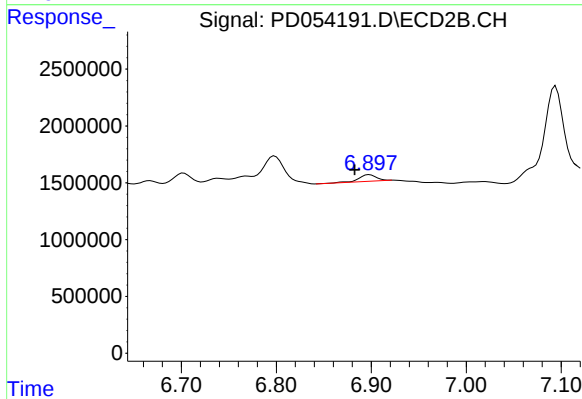
#14 Endrin

R.T.: 6.667 min  
Delta R.T.: -0.009 min  
Response: 105554  
Conc: 0.10 ng/ml



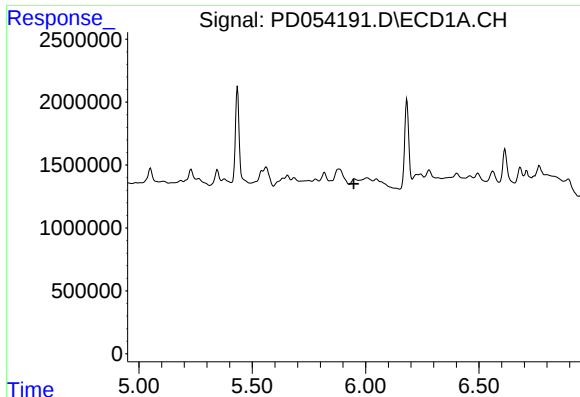
#15 Endosulfan II

R.T.: 0.000 min  
Exp R.T. : 6.088 min  
Response: 0  
Conc: N.D.



#15 Endosulfan II

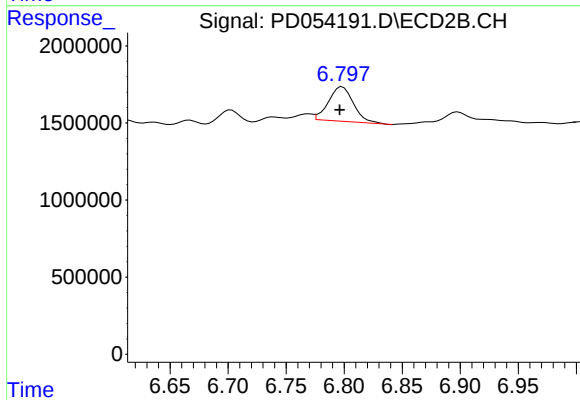
R.T.: 6.898 min  
Delta R.T.: 0.016 min  
Response: 721352  
Conc: 0.62 ng/ml



#16 4,4'-DDD

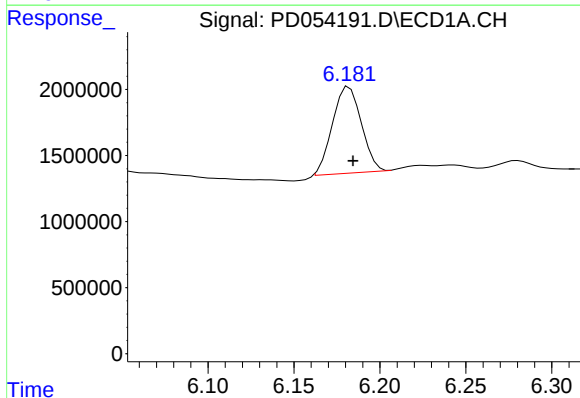
R.T.: 5.951 min  
Delta R.T.: 0.003 min  
Response: -293977  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



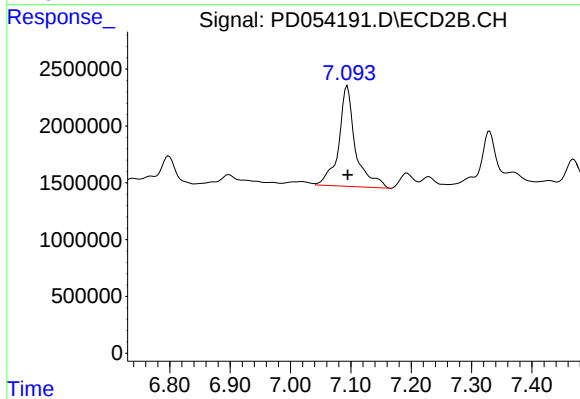
#16 4,4'-DDD

R.T.: 6.798 min  
Delta R.T.: 0.002 min  
Response: 3372645  
Conc: 3.34 ng/ml



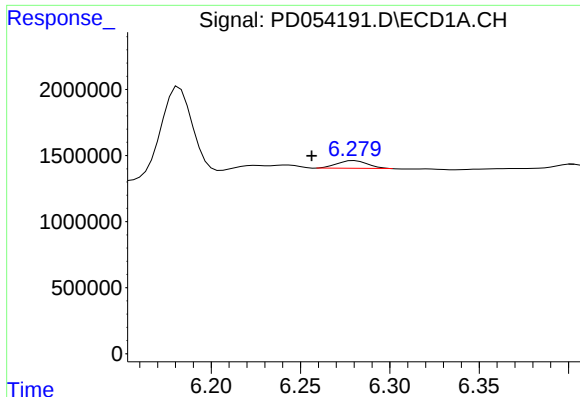
#17 4,4'-DDT

R.T.: 6.182 min  
Delta R.T.: -0.002 min  
Response: 7622140  
Conc: 13.24 ng/ml



#17 4,4'-DDT

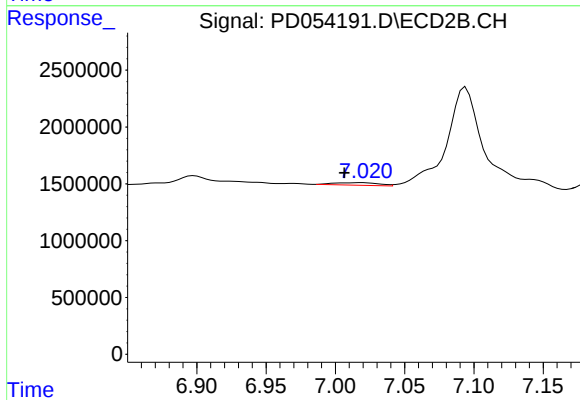
R.T.: 7.094 min  
Delta R.T.: 0.000 min  
Response: 17045371  
Conc: 17.30 ng/ml



#18 Endrin aldehyde

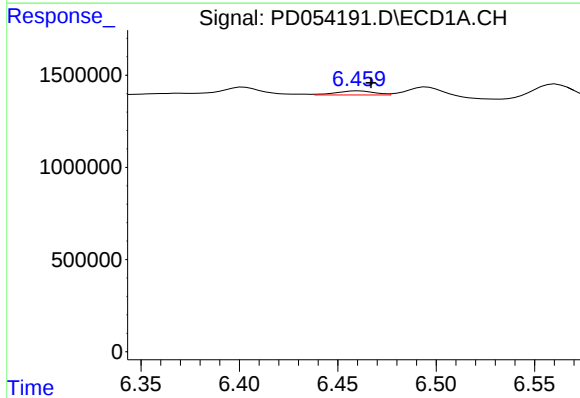
R.T.: 6.280 min  
Delta R.T.: 0.024 min  
Response: 674209  
Conc: 1.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



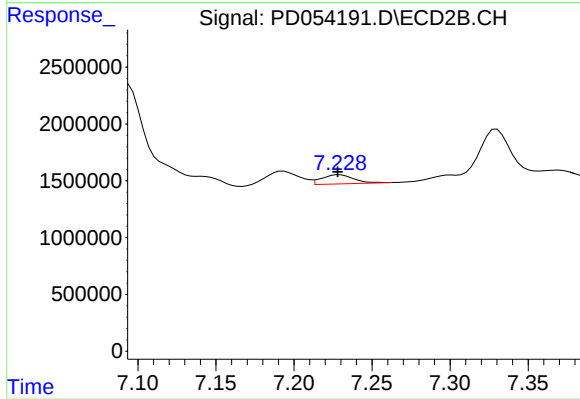
#18 Endrin aldehyde

R.T.: 7.019 min  
Delta R.T.: 0.013 min  
Response: 505943  
Conc: 0.51 ng/ml



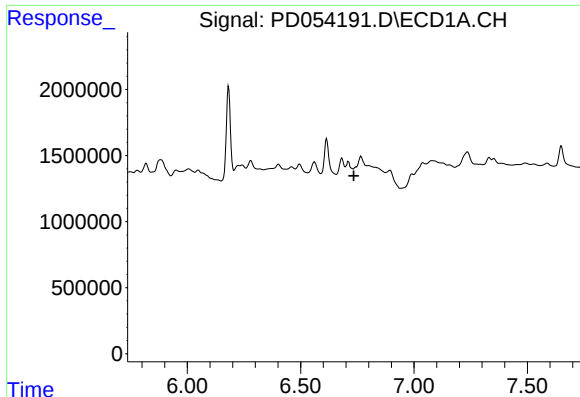
#19 Endosulfan Sulfate

R.T.: 6.461 min  
Delta R.T.: -0.006 min  
Response: 289401  
Conc: 0.41 ng/ml



#19 Endosulfan Sulfate

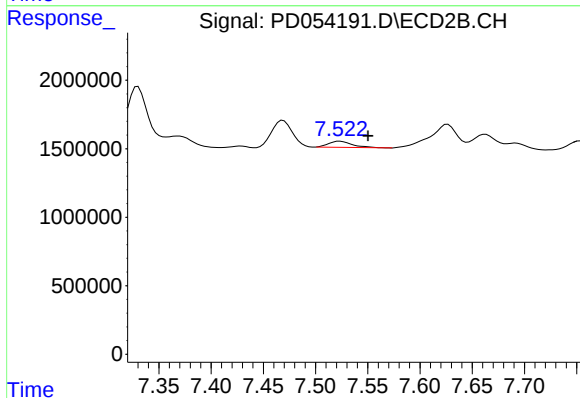
R.T.: 7.229 min  
Delta R.T.: 0.001 min  
Response: 1137148  
Conc: 1.05 ng/ml



#20 Methoxychlor

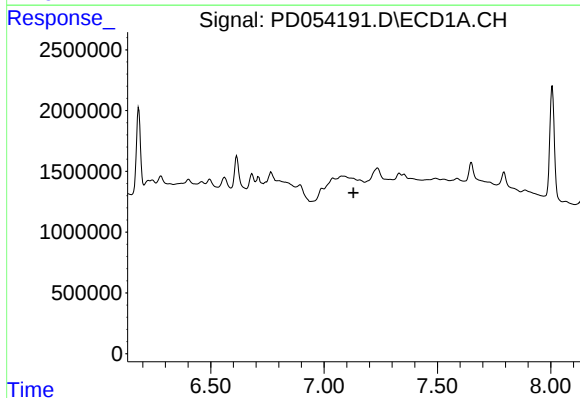
R.T.: 0.000 min  
Exp R.T.: 6.734 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



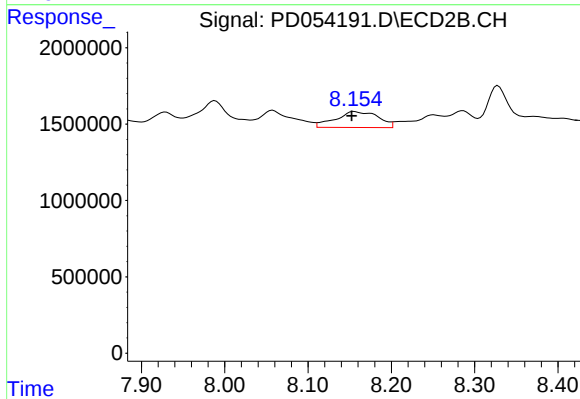
#20 Methoxychlor

R.T.: 7.523 min  
Delta R.T.: -0.027 min  
Response: 705536  
Conc: 1.31 ng/ml



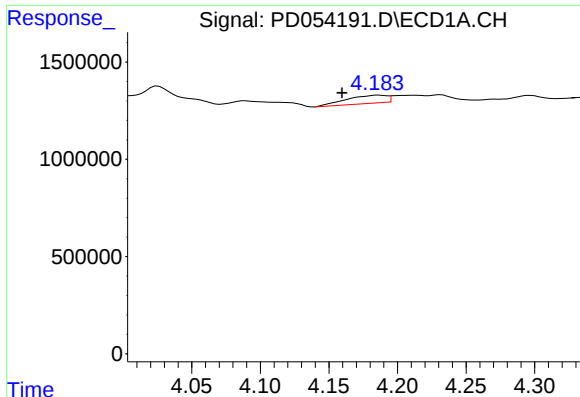
#22 Mirex

R.T.: 0.000 min  
Exp R.T.: 7.130 min  
Response: 0  
Conc: N.D.



#22 Mirex

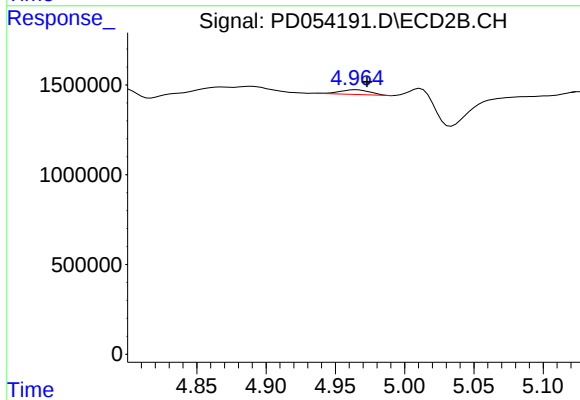
R.T.: 8.156 min  
Delta R.T.: 0.003 min  
Response: 3707212  
Conc: 4.02 ng/ml



#23 Chlordane-1

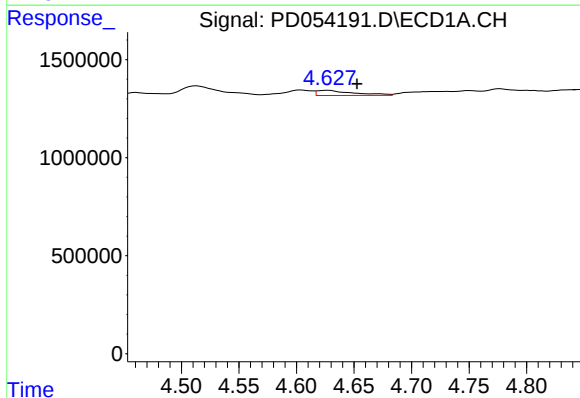
R.T.: 4.186 min  
Delta R.T.: 0.027 min  
Response: 846997  
Conc: 42.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



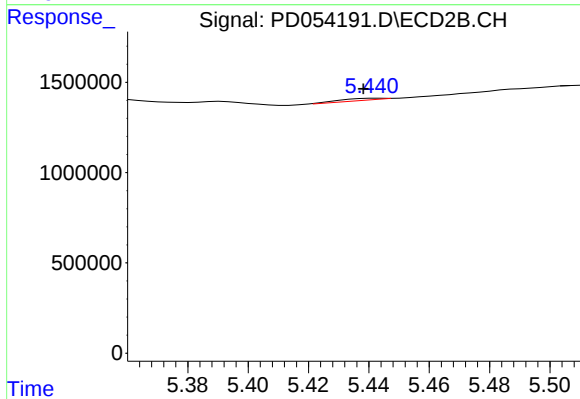
#23 Chlordane-1

R.T.: 4.965 min  
Delta R.T.: -0.008 min  
Response: 400545  
Conc: 10.69 ng/ml



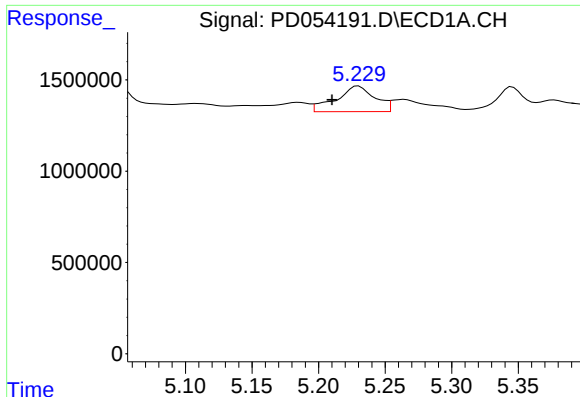
#24 Chlordane-2

R.T.: 4.628 min  
Delta R.T.: -0.024 min  
Response: 589297  
Conc: 22.77 ng/ml



#24 Chlordane-2

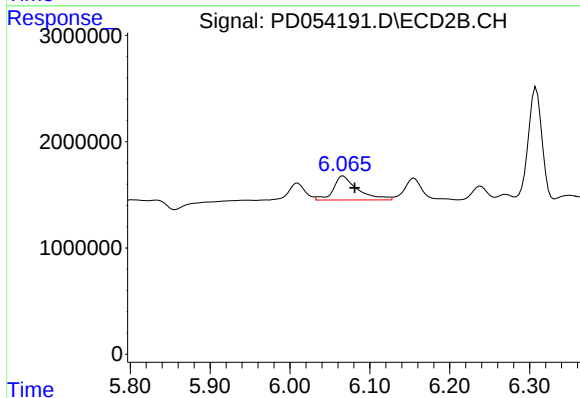
R.T.: 5.442 min  
Delta R.T.: 0.004 min  
Response: 92138  
Conc: 2.17 ng/ml



#25 Chlordane-3

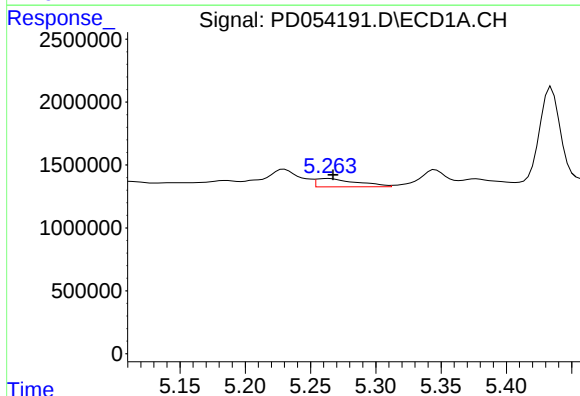
R.T.: 5.230 min  
Delta R.T.: 0.020 min  
Response: 2827613  
Conc: 35.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



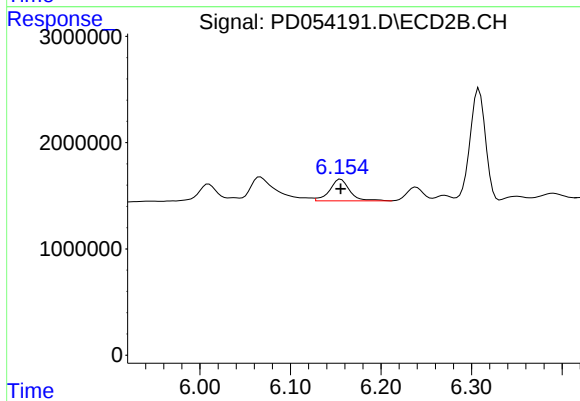
#25 Chlordane-3

R.T.: 6.067 min  
Delta R.T.: -0.015 min  
Response: 4812739  
Conc: 27.48 ng/ml



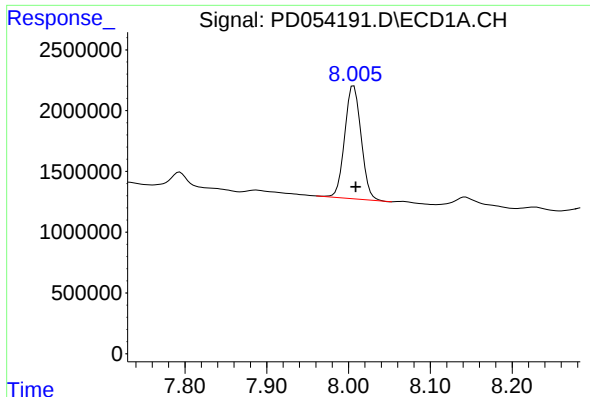
#26 Chlordane-4

R.T.: 5.264 min  
Delta R.T.: -0.003 min  
Response: 1412212  
Conc: 20.52 ng/ml



#26 Chlordane-4

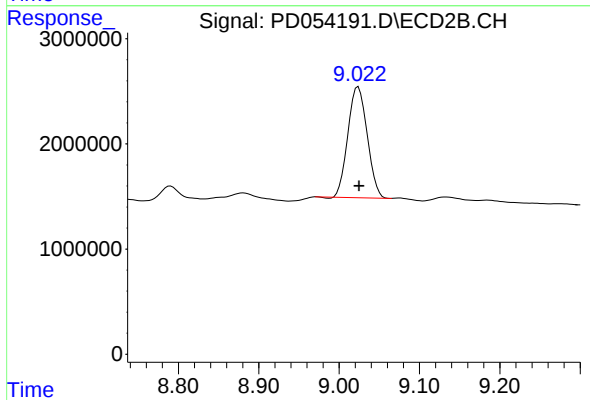
R.T.: 6.156 min  
Delta R.T.: 0.000 min  
Response: 3121659  
Conc: 14.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.006 min  
Delta R.T.: -0.002 min  
Response: 12908626  
Conc: 19.18 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
EXT-023-SW071-073019



#28 Decachlorobiphenyl

R.T.: 9.024 min  
Delta R.T.: -0.001 min  
Response: 17590053  
Conc: 18.97 ng/ml