

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD031523\  
 Data File : PD074238.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 15 Mar 2023 14:46  
 Operator : AR\AJ  
 Sample : 01627-01  
 Misc : PEST LOD 1PPB SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 15 21:55:56 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD031423.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Mar 15 12:23:31 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml    |
|-----------------------------|-----------------|--------|-------|----------|----------|--------|----------|
| -----                       |                 |        |       |          |          |        |          |
| System Monitoring Compounds |                 |        |       |          |          |        |          |
| 1)                          | SA Tetrachlo... | 3.551  | 2.772 | 45946442 | 22671501 | 19.697 | 18.629   |
| 2)                          | SA Decachlor... | 9.098  | 7.926 | 53752310 | 25039538 | 20.098 | 20.408   |
| Target Compounds            |                 |        |       |          |          |        |          |
| 2)                          | A alpha-BHC     | 4.007  | 3.275 | 3896300  | 1526718  | 1.004  | 0.822    |
| 3)                          | MA gamma-BHC... | 4.340  | 3.605 | 3463158  | 1611448  | 0.987  | 0.941    |
| 4)                          | MA Heptachlor   | 4.933  | 3.947 | 4004680  | 1657616  | 1.169  | 0.972    |
| 5)                          | MB Aldrin       | 5.276  | 4.228 | 3945823  | 1756207  | 1.172  | 1.041    |
| 6)                          | B beta-BHC      | 4.536  | 3.902 | 2066029  | 949861   | 1.398  | 1.258    |
| 7)                          | B delta-BHC     | 4.782  | 4.132 | 8425358  | 1610424  | 3.070  | 0.946 #  |
| 8)                          | B Heptachlo...  | 5.703  | 4.731 | 5163925  | 1641743  | 1.836  | 1.069 #  |
| 9)                          | A Endosulfan I  | 6.090  | 5.102 | 3581448  | 1476270  | 1.260  | 1.026    |
| 10)                         | B gamma-Chl...  | 5.960  | 4.982 | 3598885  | 1624389  | 1.199  | 1.046    |
| 11)                         | B alpha-Chl...  | 6.040  | 5.046 | 3699214  | 1662616  | 1.227  | 1.080    |
| 12)                         | B 4,4'-DDE      | 6.211  | 5.236 | 3092252  | 1343520  | 1.122  | 0.952    |
| 13)                         | MA Dieldrin     | 6.367  | 5.367 | 3538917  | 1531123  | 1.200  | 1.018    |
| 14)                         | MA Endrin       | 6.597  | 5.642 | 2749972  | 1442025  | 1.107  | 1.103    |
| 15)                         | B Endosulfa...  | 6.816  | 5.936 | 4336914  | 1526097  | 1.684  | 1.213 #  |
| 16)                         | A 4,4'-DDD      | 6.729  | 5.791 | 2539280  | 1170130  | 1.132  | 1.002    |
| 17)                         | MA 4,4'-DDT     | 7.045  | 6.043 | 2890864  | 1176380  | 1.134  | 0.958    |
| 18)                         | B Endrin al...  | 6.945  | 6.117 | 2813176  | 1279737  | 1.407  | 1.260    |
| 19)                         | B Endosulfa...  | 7.181  | 6.339 | 3214093  | 1460344  | 1.302  | 1.196    |
| 20)                         | A Methoxychlor  | 7.521  | 6.619 | 1815089  | 780788   | 1.297  | 1.154    |
| 21)                         | B Endrin ke...  | 7.668  | 6.846 | 3520226  | 1604950  | 1.265  | 1.088    |
| 22)                         | Mirex           | 8.145  | 7.030 | 3170477  | 1382269  | 1.493  | 1.217    |
| 24)                         | Chlordane-2     | 5.276f | 0.000 | 3945823  | 0        | 31.622 | N.D. #   |
| 25)                         | Chlordane-3     | 5.960  | 4.982 | 3598885  | 1624389  | 7.448  | 9.497 #  |
| 26)                         | Chlordane-4     | 6.040  | 5.046 | 3699214  | 1662616  | 6.287  | 10.181 # |
| 27)                         | Chlordane-5     | 0.000  | 5.936 | 0        | 1526097  | N.D.   | 24.786 # |
| -----                       |                 |        |       |          |          |        |          |

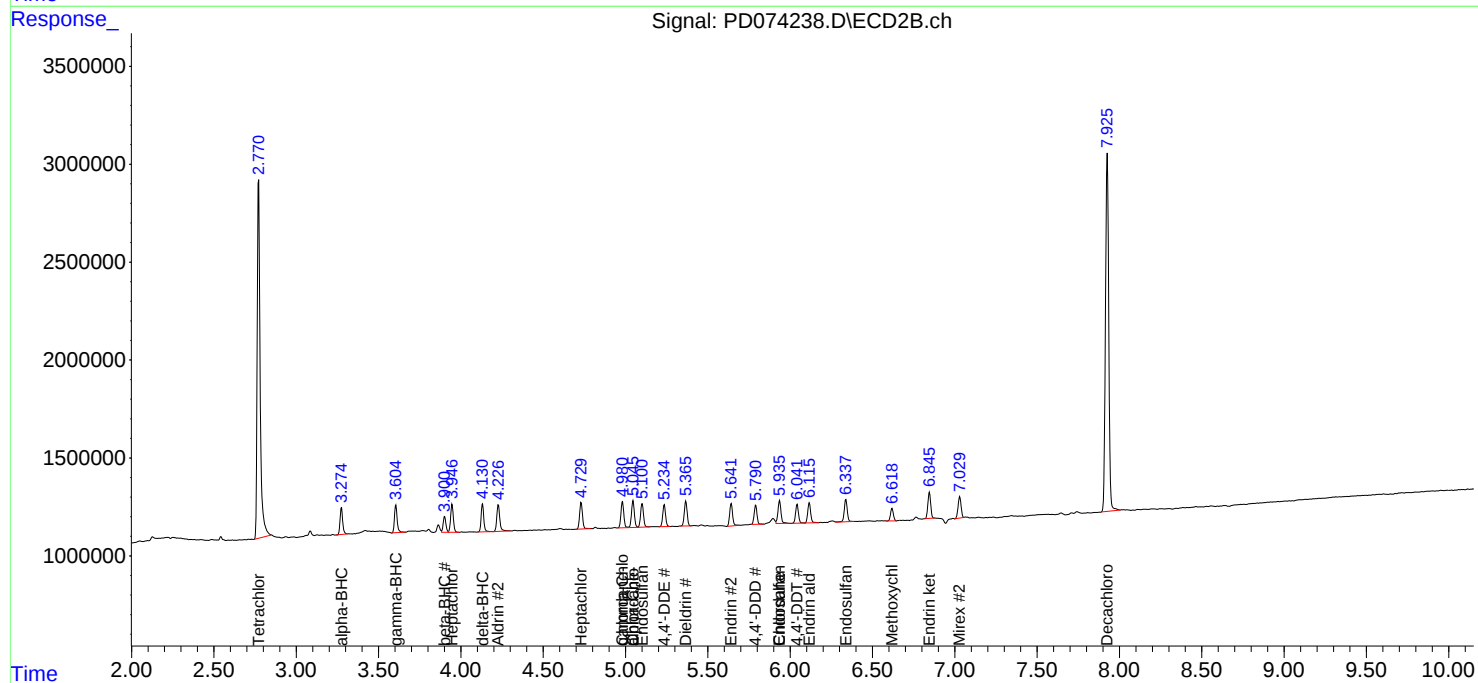
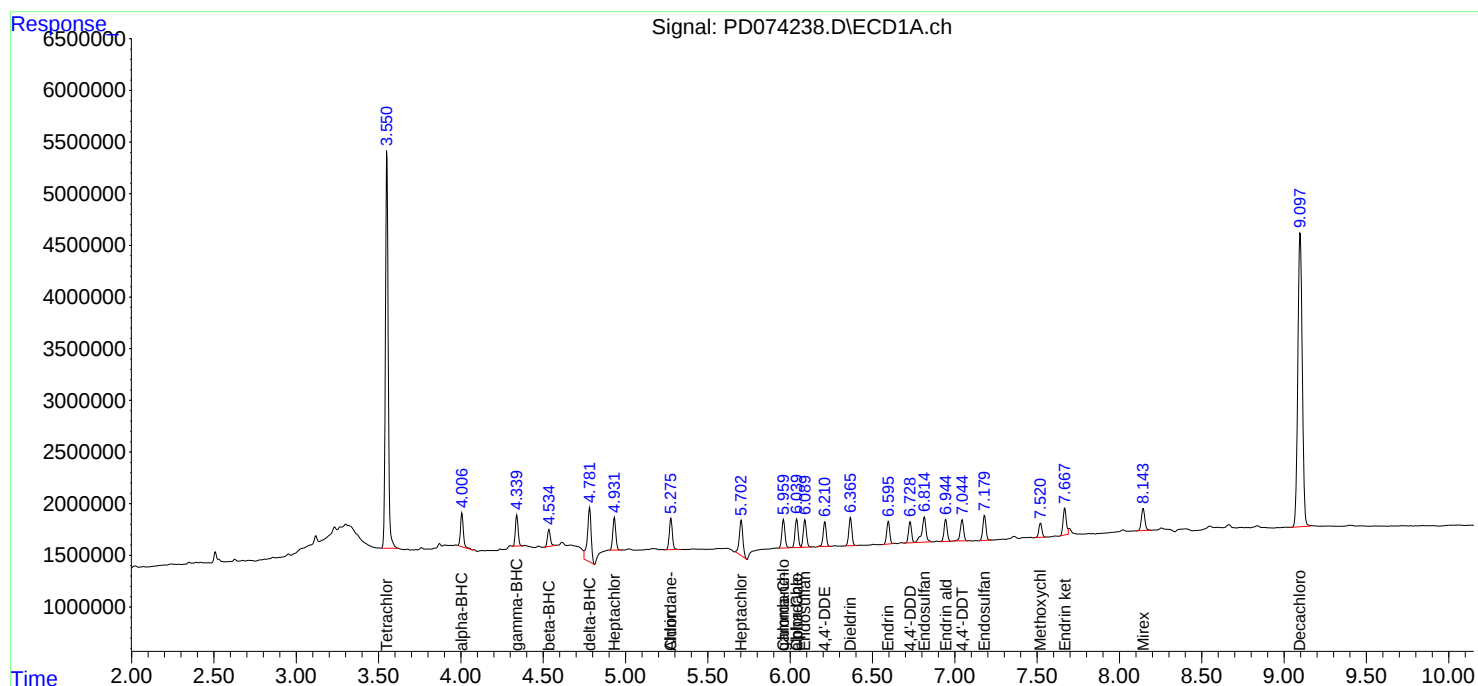
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

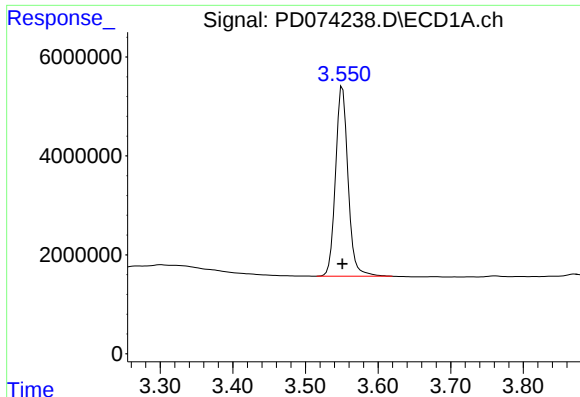
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD031523\  
Data File : PD074238.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 15 Mar 2023 14:46  
Operator : AR\AJ  
Sample : 01627-01  
Misc : PEST LOD 1PPB SOIL  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 15 21:55:56 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD031423.M  
Quant Title : GC Extractables  
QLast Update : Wed Mar 15 12:23:31 2023  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

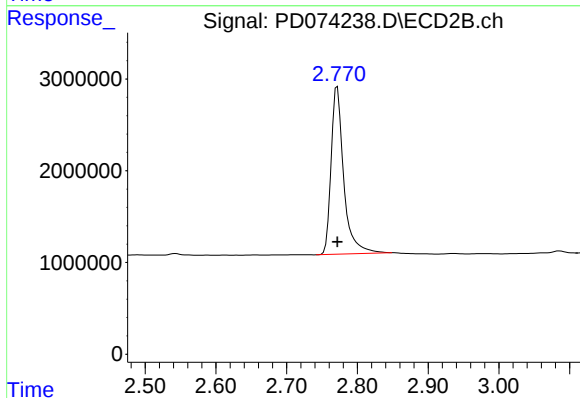




#1 Tetrachloro-m-xylene

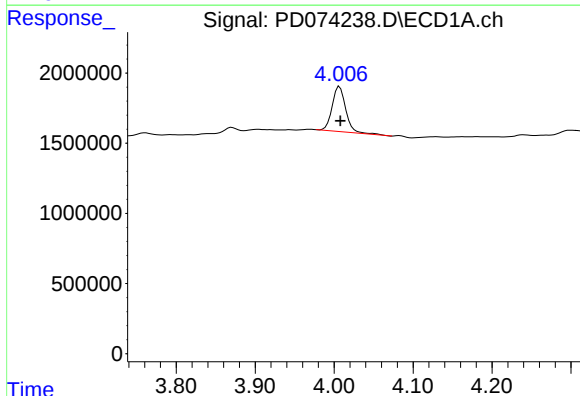
R.T.: 3.551 min  
Delta R.T.: 0.000 min  
Response: 45946442  
Conc: 19.70 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



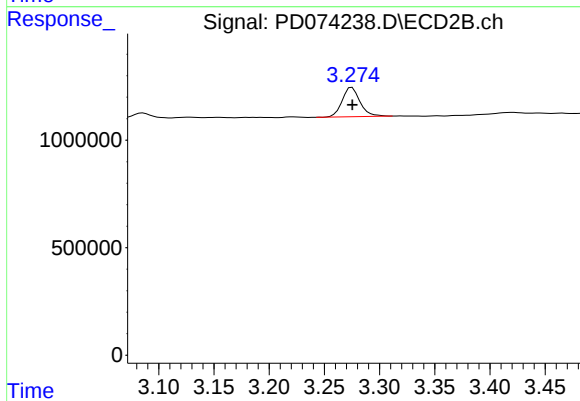
#1 Tetrachloro-m-xylene

R.T.: 2.772 min  
Delta R.T.: 0.000 min  
Response: 22671501  
Conc: 18.63 ng/ml



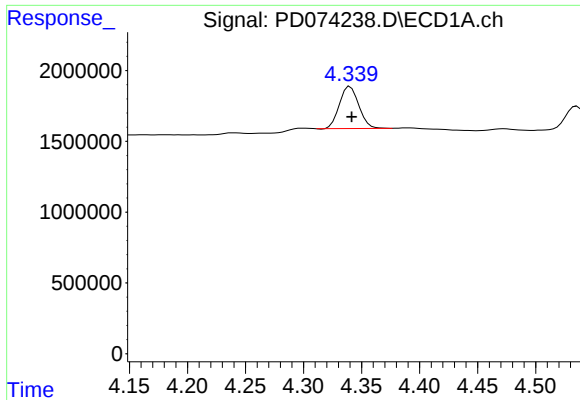
#2 alpha-BHC

R.T.: 4.007 min  
Delta R.T.: 0.000 min  
Response: 3896300  
Conc: 1.00 ng/ml



#2 alpha-BHC

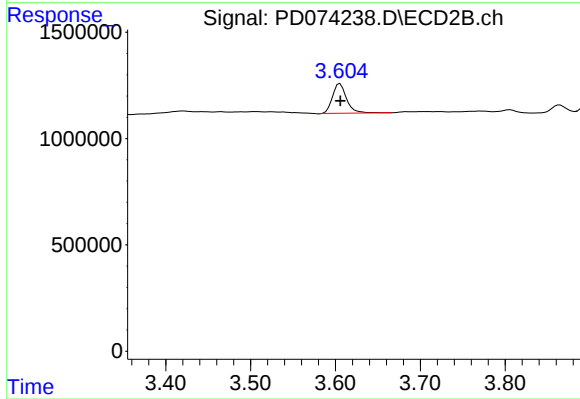
R.T.: 3.275 min  
Delta R.T.: 0.000 min  
Response: 1526718  
Conc: 0.82 ng/ml



#3 gamma-BHC (Lindane)

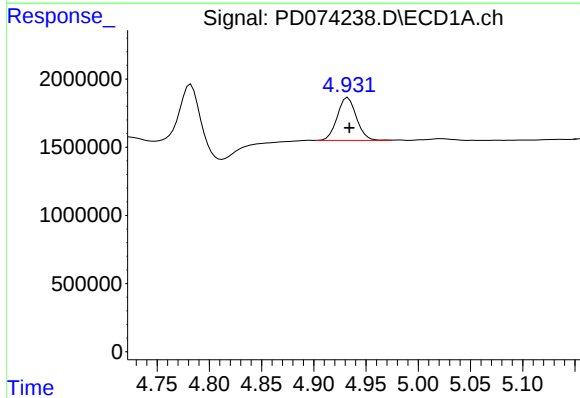
R.T.: 4.340 min  
Delta R.T.: -0.001 min  
Response: 3463158  
Conc: 0.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



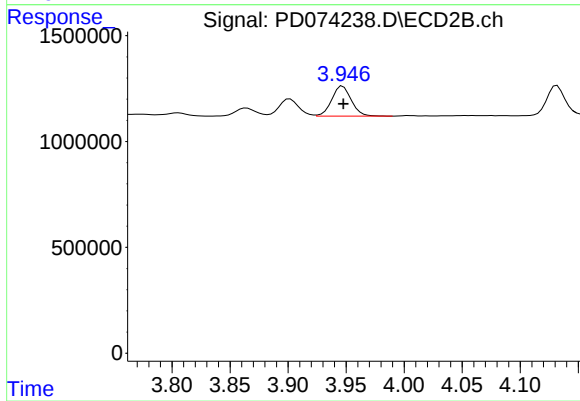
#3 gamma-BHC (Lindane)

R.T.: 3.605 min  
Delta R.T.: 0.000 min  
Response: 1611448  
Conc: 0.94 ng/ml



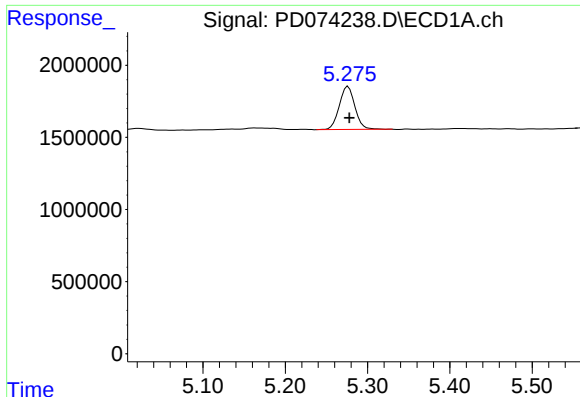
#4 Heptachlor

R.T.: 4.933 min  
Delta R.T.: -0.001 min  
Response: 4004680  
Conc: 1.17 ng/ml



#4 Heptachlor

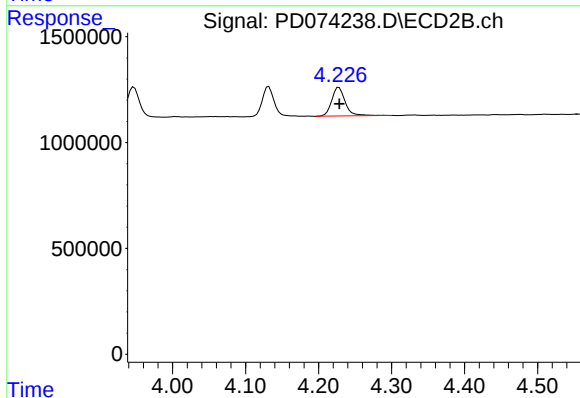
R.T.: 3.947 min  
Delta R.T.: 0.000 min  
Response: 1657616  
Conc: 0.97 ng/ml



#5 Aldrin

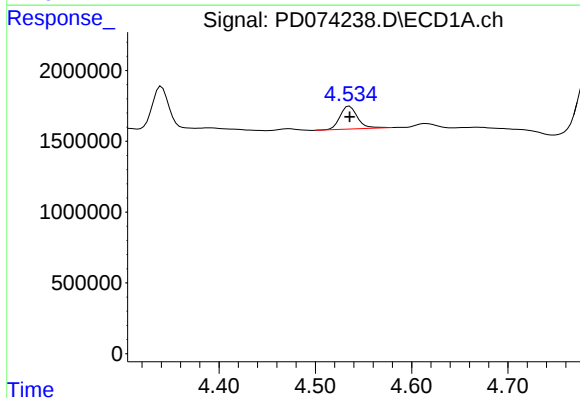
R.T.: 5.276 min  
Delta R.T.: -0.002 min  
Response: 3945823  
Conc: 1.17 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



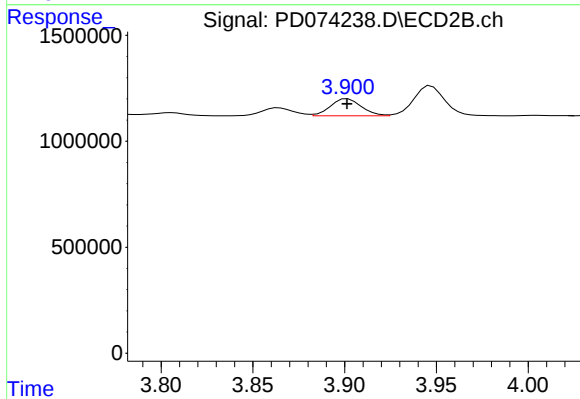
#5 Aldrin

R.T.: 4.228 min  
Delta R.T.: 0.000 min  
Response: 1756207  
Conc: 1.04 ng/ml



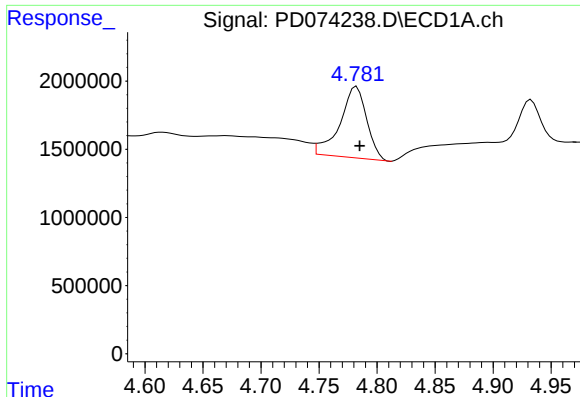
#6 beta-BHC

R.T.: 4.536 min  
Delta R.T.: 0.000 min  
Response: 2066029  
Conc: 1.40 ng/ml



#6 beta-BHC

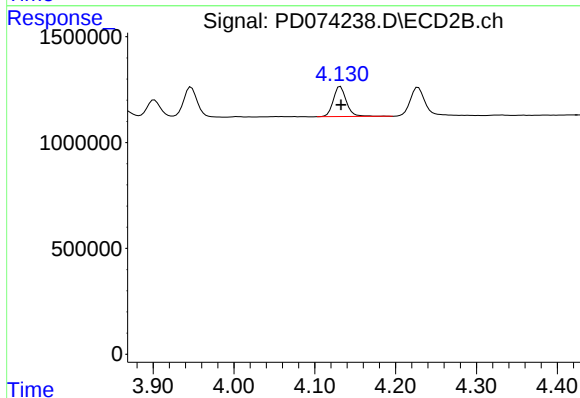
R.T.: 3.902 min  
Delta R.T.: 0.000 min  
Response: 949861  
Conc: 1.26 ng/ml



#7 delta-BHC

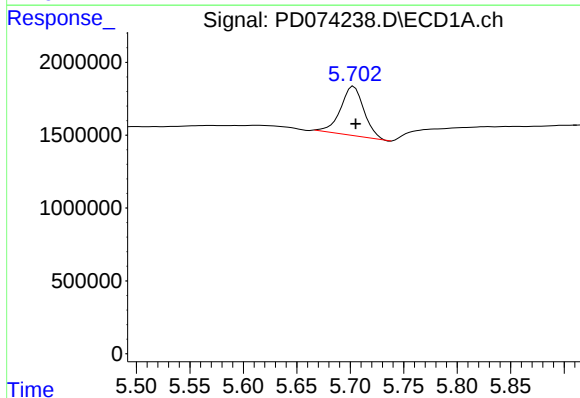
R.T.: 4.782 min  
Delta R.T.: -0.003 min  
Response: 8425358  
Conc: 3.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



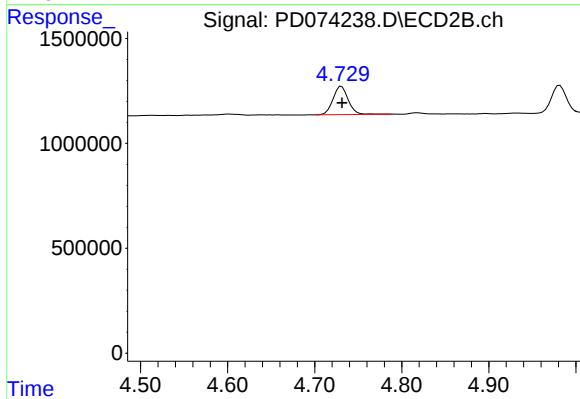
#7 delta-BHC

R.T.: 4.132 min  
Delta R.T.: 0.000 min  
Response: 1610424  
Conc: 0.95 ng/ml



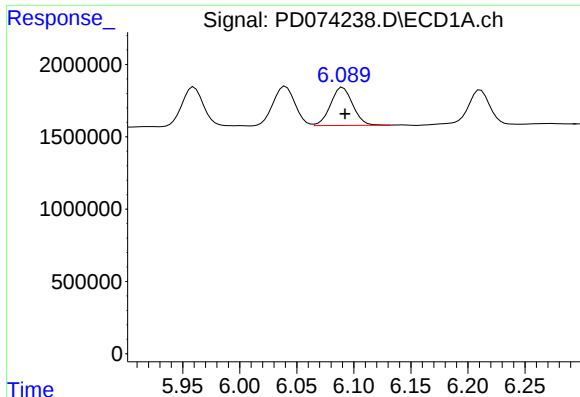
#8 Heptachlor epoxide

R.T.: 5.703 min  
Delta R.T.: -0.002 min  
Response: 5163925  
Conc: 1.84 ng/ml



#8 Heptachlor epoxide

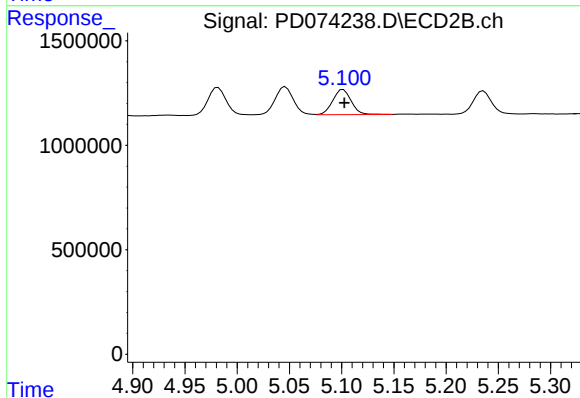
R.T.: 4.731 min  
Delta R.T.: 0.000 min  
Response: 1641743  
Conc: 1.07 ng/ml



#9 Endosulfan I

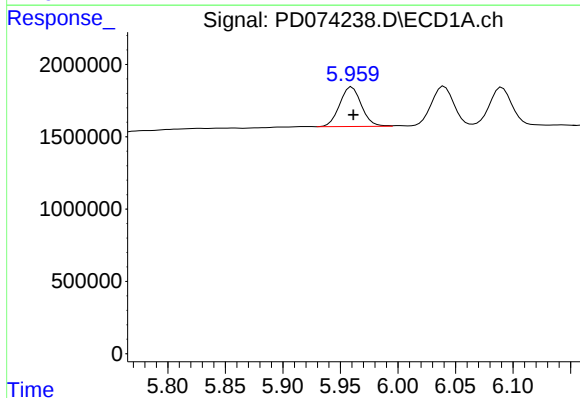
R.T.: 6.090 min  
Delta R.T.: -0.002 min  
Response: 3581448  
Conc: 1.26 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



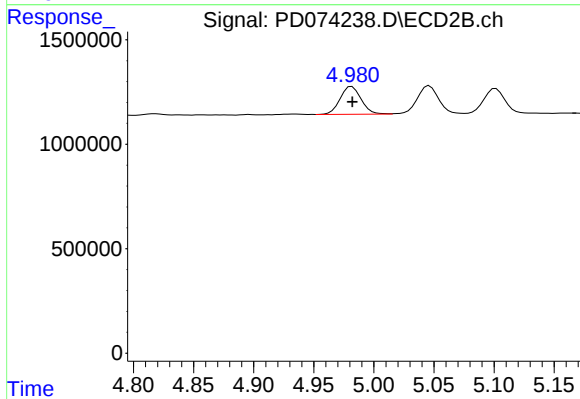
#9 Endosulfan I

R.T.: 5.102 min  
Delta R.T.: 0.000 min  
Response: 1476270  
Conc: 1.03 ng/ml



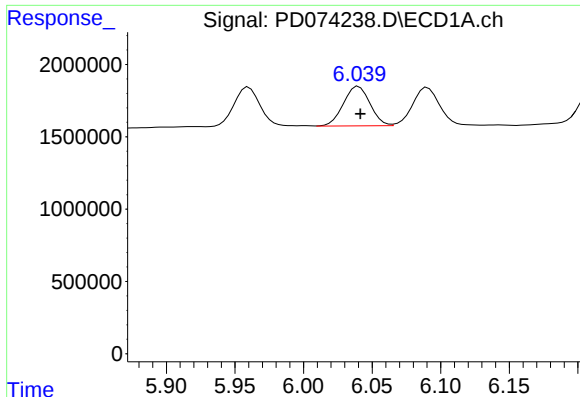
#10 gamma-Chlordane

R.T.: 5.960 min  
Delta R.T.: -0.002 min  
Response: 3598885  
Conc: 1.20 ng/ml



#10 gamma-Chlordane

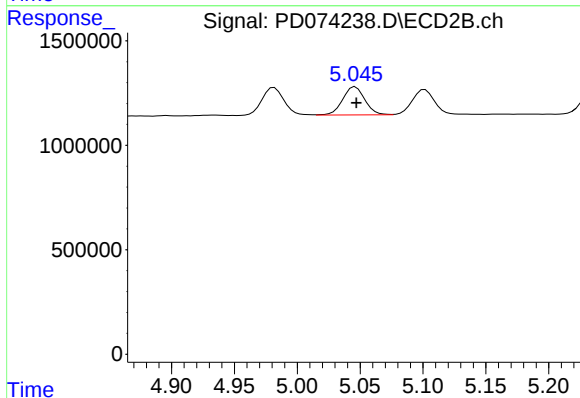
R.T.: 4.982 min  
Delta R.T.: 0.000 min  
Response: 1624389  
Conc: 1.05 ng/ml



#11 alpha-Chlordane

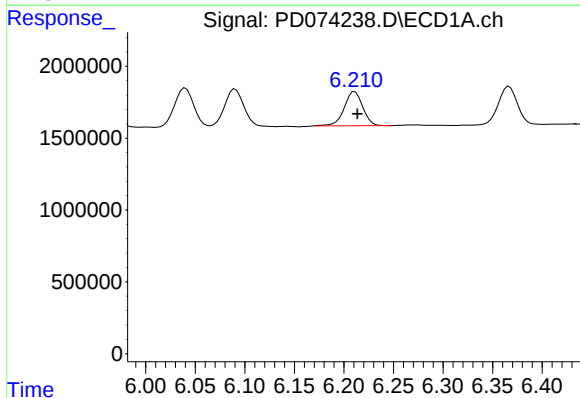
R.T.: 6.040 min  
Delta R.T.: -0.001 min  
Response: 3699214  
Conc: 1.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



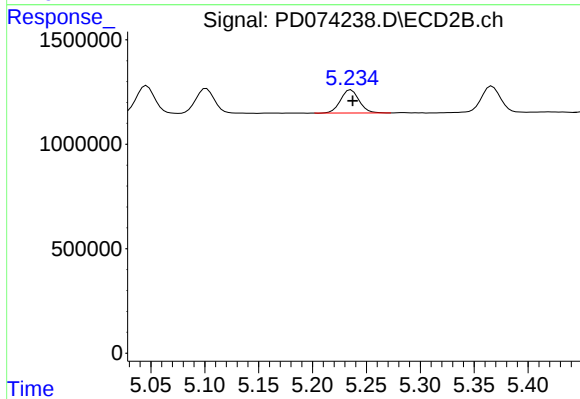
#11 alpha-Chlordane

R.T.: 5.046 min  
Delta R.T.: 0.000 min  
Response: 1662616  
Conc: 1.08 ng/ml



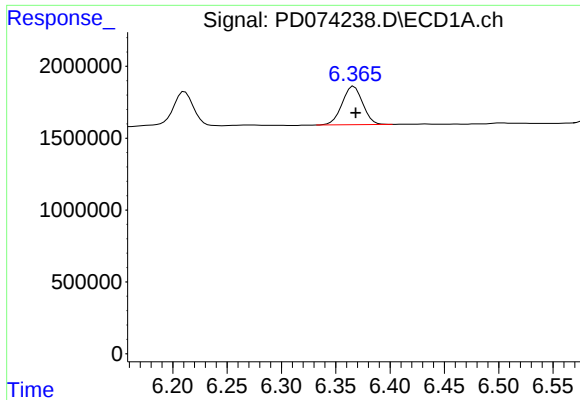
#12 4,4'-DDE

R.T.: 6.211 min  
Delta R.T.: -0.003 min  
Response: 3092252  
Conc: 1.12 ng/ml



#12 4,4'-DDE

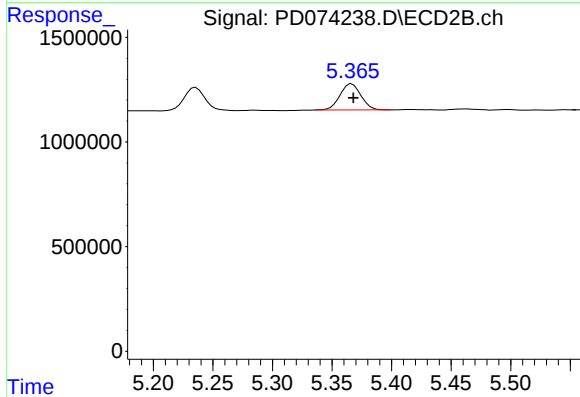
R.T.: 5.236 min  
Delta R.T.: -0.002 min  
Response: 1343520  
Conc: 0.95 ng/ml



#13 Dieldrin

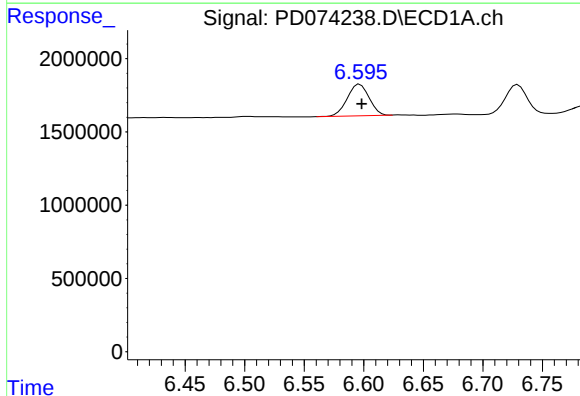
R.T.: 6.367 min  
Delta R.T.: -0.002 min  
Response: 3538917  
Conc: 1.20 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



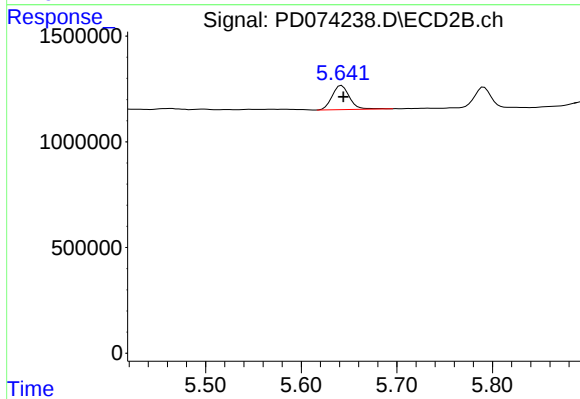
#13 Dieldrin

R.T.: 5.367 min  
Delta R.T.: -0.001 min  
Response: 1531123  
Conc: 1.02 ng/ml



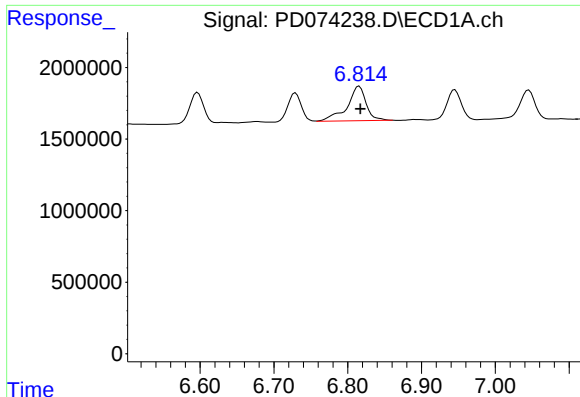
#14 Endrin

R.T.: 6.597 min  
Delta R.T.: -0.002 min  
Response: 2749972  
Conc: 1.11 ng/ml



#14 Endrin

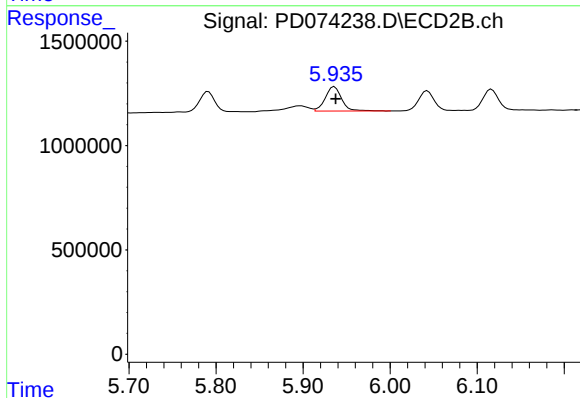
R.T.: 5.642 min  
Delta R.T.: -0.002 min  
Response: 1442025  
Conc: 1.10 ng/ml



#15 Endosulfan II

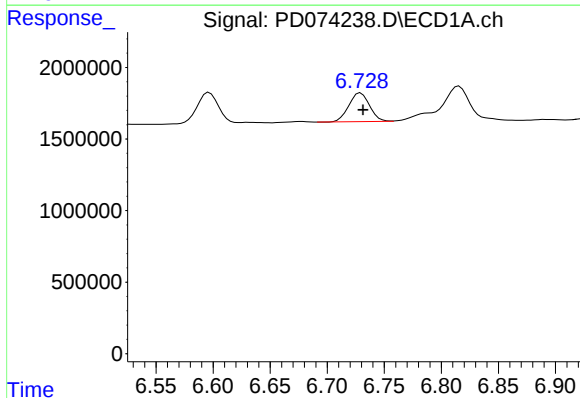
R.T.: 6.816 min  
Delta R.T.: -0.001 min  
Response: 4336914  
Conc: 1.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



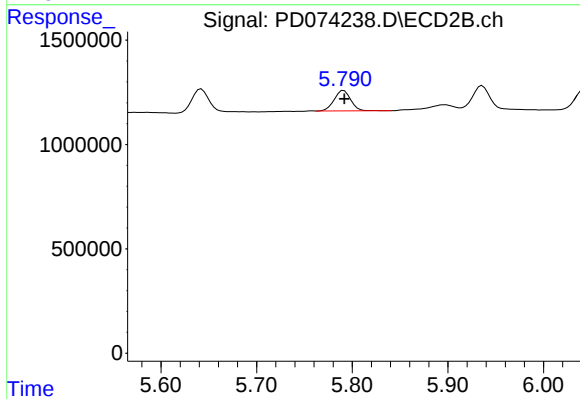
#15 Endosulfan II

R.T.: 5.936 min  
Delta R.T.: -0.001 min  
Response: 1526097  
Conc: 1.21 ng/ml



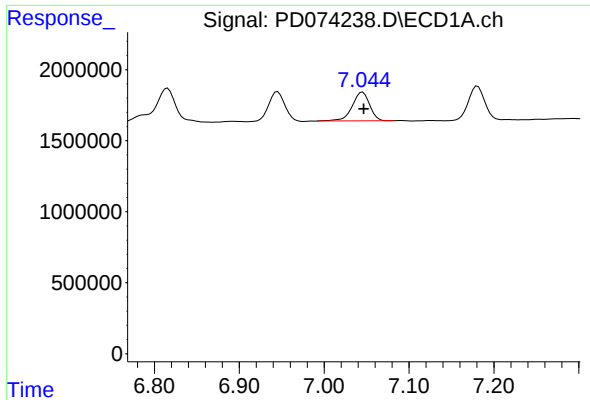
#16 4,4'-DDD

R.T.: 6.729 min  
Delta R.T.: -0.002 min  
Response: 2539280  
Conc: 1.13 ng/ml



#16 4,4'-DDD

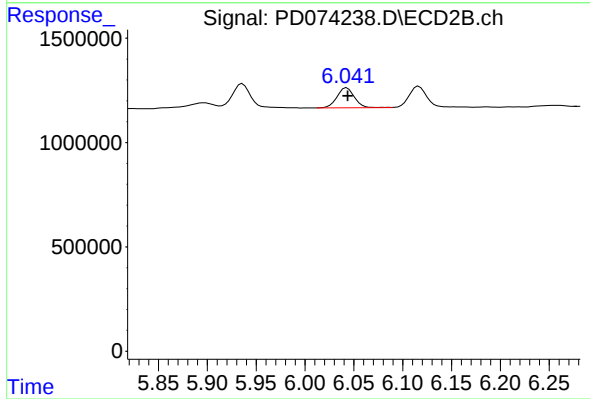
R.T.: 5.791 min  
Delta R.T.: 0.000 min  
Response: 1170130  
Conc: 1.00 ng/ml



#17 4,4'-DDT

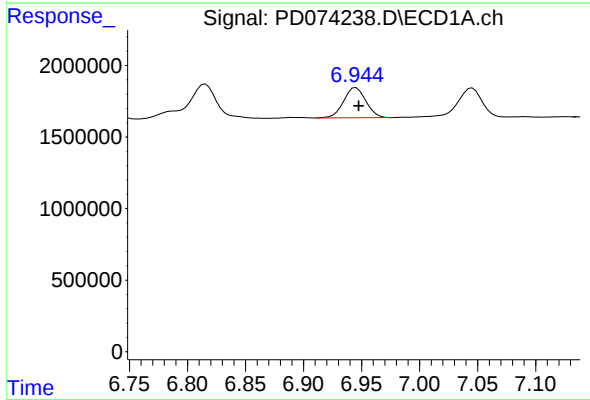
R.T.: 7.045 min  
Delta R.T.: -0.001 min  
Response: 2890864  
Conc: 1.13 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



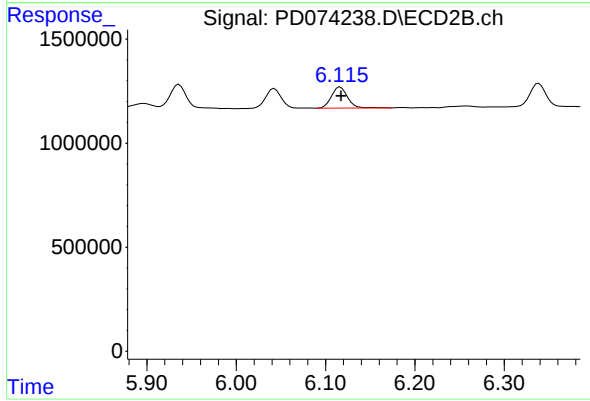
#17 4,4'-DDT

R.T.: 6.043 min  
Delta R.T.: -0.001 min  
Response: 1176380  
Conc: 0.96 ng/ml



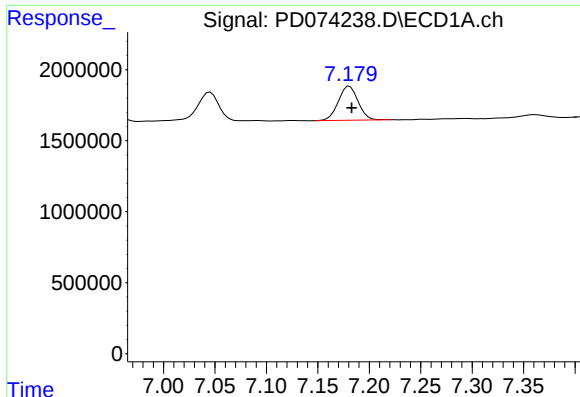
#18 Endrin aldehyde

R.T.: 6.945 min  
Delta R.T.: -0.002 min  
Response: 2813176  
Conc: 1.41 ng/ml



#18 Endrin aldehyde

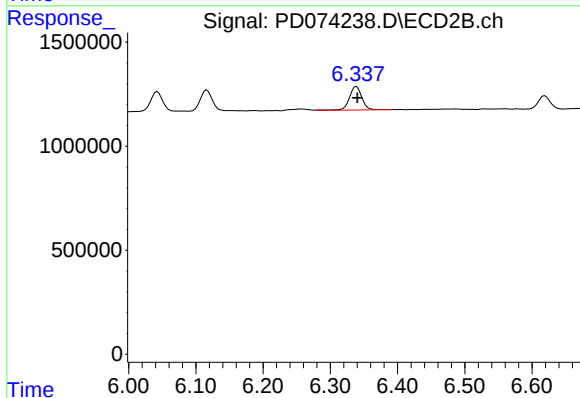
R.T.: 6.117 min  
Delta R.T.: 0.000 min  
Response: 1279737  
Conc: 1.26 ng/ml



#19 Endosulfan Sulfate

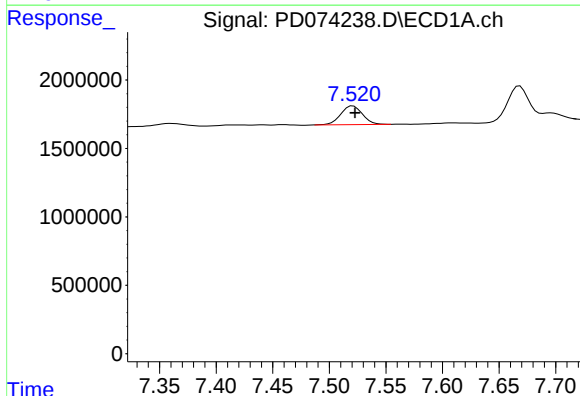
R.T.: 7.181 min  
Delta R.T.: -0.002 min  
Response: 3214093  
Conc: 1.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



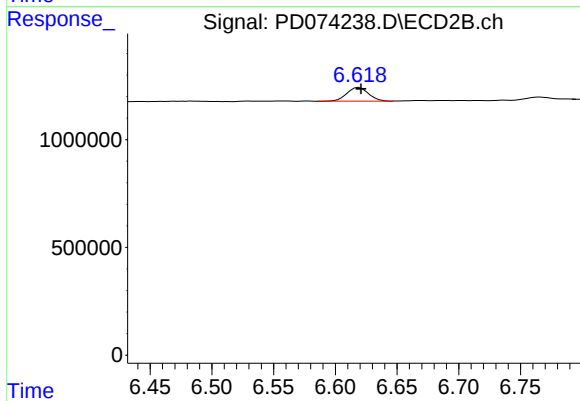
#19 Endosulfan Sulfate

R.T.: 6.339 min  
Delta R.T.: -0.001 min  
Response: 1460344  
Conc: 1.20 ng/ml



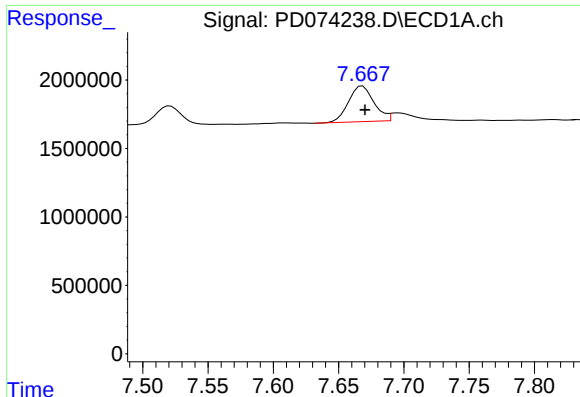
#20 Methoxychlor

R.T.: 7.521 min  
Delta R.T.: -0.002 min  
Response: 1815089  
Conc: 1.30 ng/ml



#20 Methoxychlor

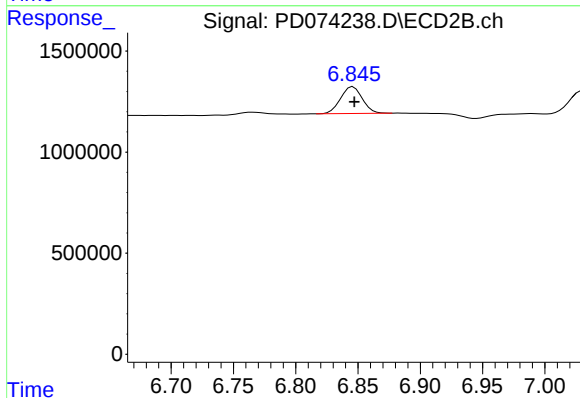
R.T.: 6.619 min  
Delta R.T.: -0.002 min  
Response: 780788  
Conc: 1.15 ng/ml



#21 Endrin ketone

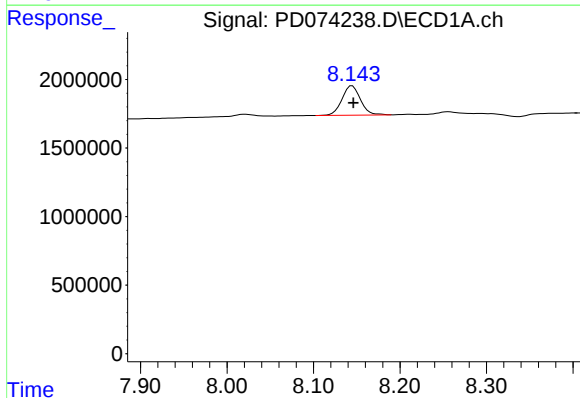
R.T.: 7.668 min  
Delta R.T.: -0.002 min  
Response: 3520226  
Conc: 1.26 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



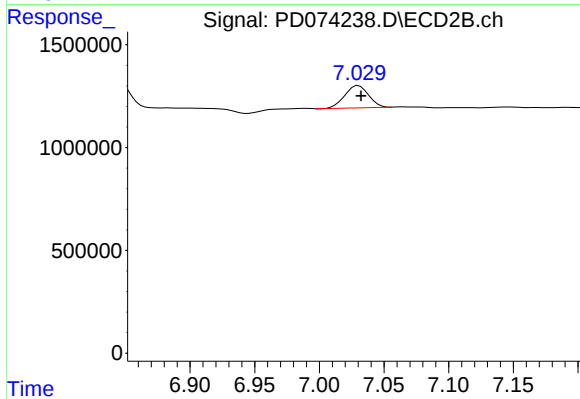
#21 Endrin ketone

R.T.: 6.846 min  
Delta R.T.: -0.001 min  
Response: 1604950  
Conc: 1.09 ng/ml



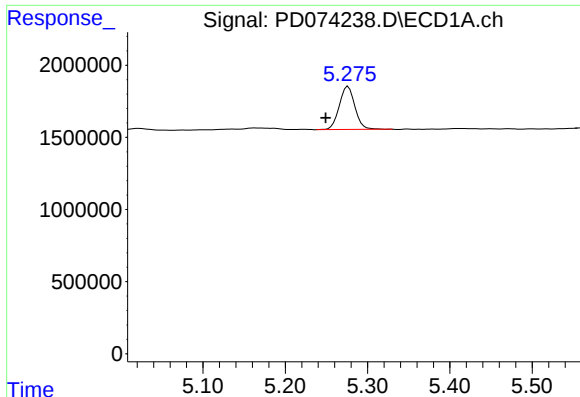
#22 Mirex

R.T.: 8.145 min  
Delta R.T.: -0.001 min  
Response: 3170477  
Conc: 1.49 ng/ml



#22 Mirex

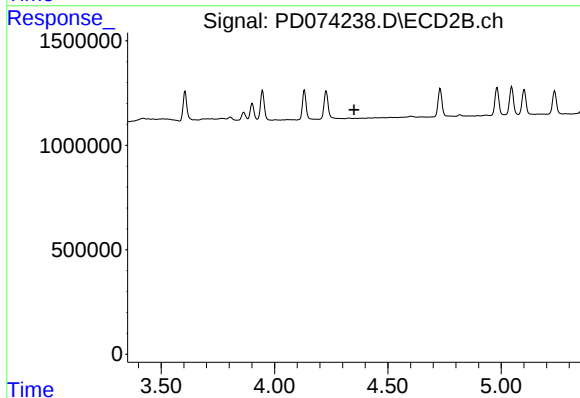
R.T.: 7.030 min  
Delta R.T.: -0.002 min  
Response: 1382269  
Conc: 1.22 ng/ml



#24 Chlordane-2

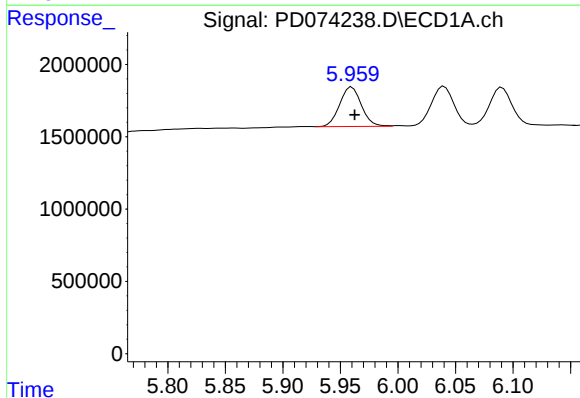
R.T.: 5.276 min  
Delta R.T.: 0.027 min  
Response: 3945823  
Conc: 31.62 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



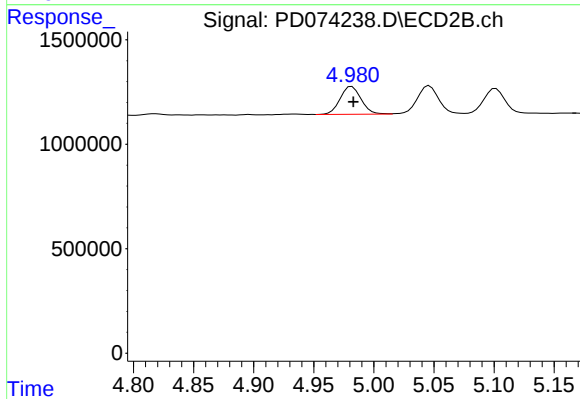
#24 Chlordane-2

R.T.: 0.000 min  
Exp R.T. : 4.352 min  
Response: 0  
Conc: N.D.



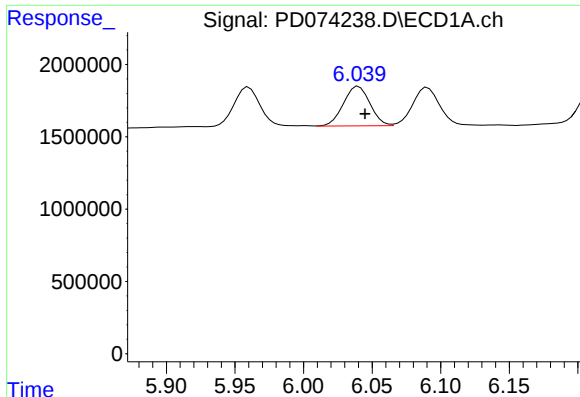
#25 Chlordane-3

R.T.: 5.960 min  
Delta R.T.: -0.003 min  
Response: 3598885  
Conc: 7.45 ng/ml



#25 Chlordane-3

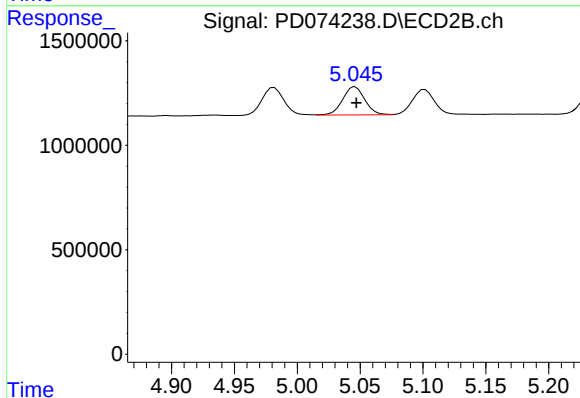
R.T.: 4.982 min  
Delta R.T.: -0.002 min  
Response: 1624389  
Conc: 9.50 ng/ml



#26 Chlordane-4

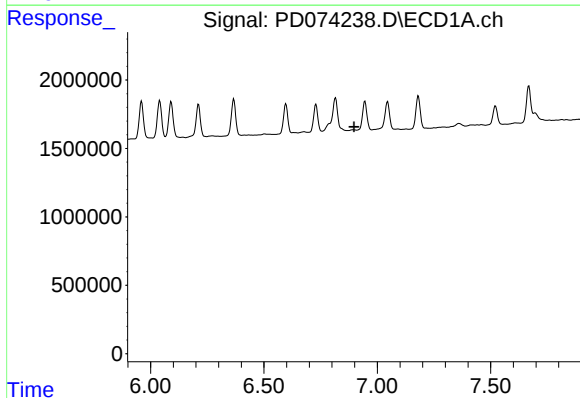
R.T.: 6.040 min  
Delta R.T.: -0.005 min  
Response: 3699214  
Conc: 6.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



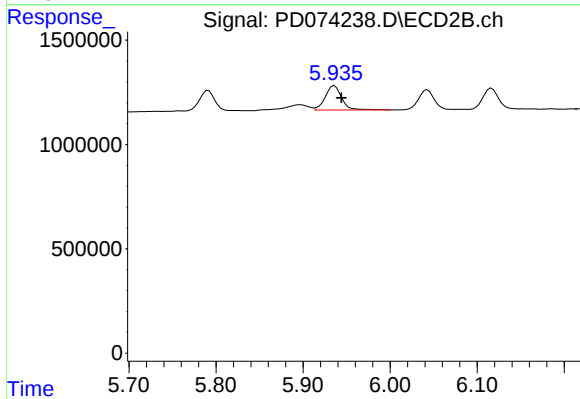
#26 Chlordane-4

R.T.: 5.046 min  
Delta R.T.: 0.000 min  
Response: 1662616  
Conc: 10.18 ng/ml



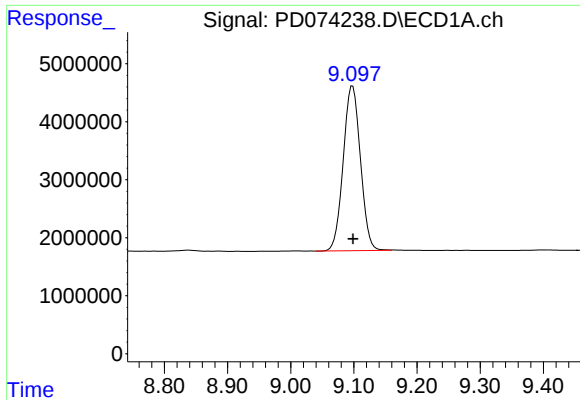
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T. : 6.898 min  
Response: 0  
Conc: N.D.



#27 Chlordane-5

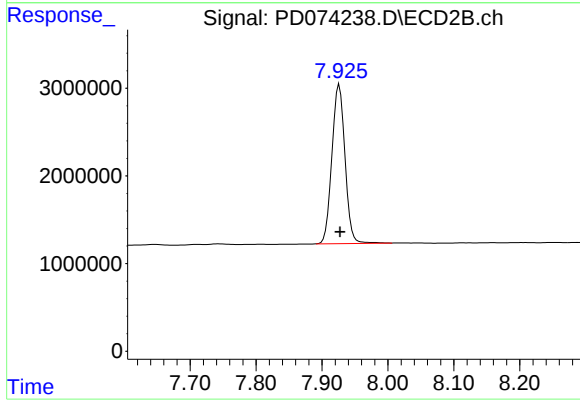
R.T.: 5.936 min  
Delta R.T.: -0.008 min  
Response: 1526097  
Conc: 24.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min  
Delta R.T.: -0.001 min  
Response: 53752310  
Conc: 20.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 7.926 min  
Delta R.T.: 0.000 min  
Response: 25039538  
Conc: 20.41 ng/ml