

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD112122\  
 Data File : PD073182.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Nov 2022 15:17  
 Operator : AR\AJ  
 Sample : N4955-02  
 Misc : PEST LOQ 5PPB  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 21 23:50:35 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD111622.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Nov 17 03:26:54 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation

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... | 2.704 | 3.457  | 37021755 | 1145.4E6 | 17.446  | 20.675    |
| 2)                          | SA Decachlor... | 7.834 | 8.912  | 42412978 | 278.8E6  | 20.591  | 21.815    |
| Target Compounds            |                 |       |        |          |          |         |           |
| 2)                          | A alpha-BHC     | 3.208 | 3.921  | 13637658 | 422.2E6  | 3.955   | 5.746 #   |
| 3)                          | MA gamma-BHC... | 3.539 | 4.254  | 13179242 | 305.0E6  | 4.752   | 5.383     |
| 4)                          | MA Heptachlor   | 3.871 | 4.821  | 14130759 | 230.8E6  | 4.798   | 6.153 #   |
| 5)                          | MB Aldrin       | 4.150 | 5.160  | 13509249 | 203.3E6  | 4.540   | 6.296 #   |
| 6)                          | B beta-BHC      | 3.841 | 4.470  | 6570794  | 118.2E6  | 5.130   | 5.642     |
| 7)                          | B delta-BHC     | 4.071 | 4.714  | 12719759 | 260.0E6  | 4.102   | 6.388 #   |
| 8)                          | B Heptachlo...  | 4.655 | 5.592  | 13335891 | 166.3E6  | 4.991   | 6.208     |
| 9)                          | A Endosulfan I  | 5.024 | 5.977  | 12476777 | 152.2E6  | 4.986   | 6.188     |
| 10)                         | B gamma-Chl...  | 4.904 | 5.846  | 13595208 | 163.4E6  | 4.959   | 6.162     |
| 11)                         | B alpha-Chl...  | 4.966 | 5.922  | 13690514 | 159.3E6  | 5.092   | 6.168     |
| 12)                         | B 4,4'-DDE      | 5.155 | 6.095  | 12011402 | 148.0E6  | 4.693   | 5.956 #   |
| 13)                         | MA Dieldrin     | 5.290 | 6.254  | 13122553 | 156.1E6  | 4.970   | 6.204     |
| 14)                         | MA Endrin       | 5.567 | 6.486  | 11935774 | 132.7E6  | 4.926   | 6.126     |
| 15)                         | B Endosulfa...  | 5.865 | 6.716  | 11774435 | 124.3E6  | 5.446   | 6.336     |
| 16)                         | A 4,4'-DDD      | 5.713 | 6.620  | 11864396 | 131.6E6  | 5.562   | 6.716     |
| 17)                         | MA 4,4'-DDT     | 5.962 | 6.928  | 9797112  | 108.9E6  | 5.115   | 5.829     |
| 18)                         | B Endrin al...  | 6.046 | 6.848  | 10054052 | 101.2E6  | 5.846   | 6.790     |
| 19)                         | B Endosulfa...  | 6.269 | 7.080  | 11969130 | 108.6E6  | 5.443   | 6.205     |
| 20)                         | A Methoxychlor  | 6.545 | 7.408  | 7086193  | 59043017 | 6.162   | 6.744     |
| 21)                         | B Endrin ke...  | 6.778 | 7.570  | 13890768 | 119.8E6  | 5.551   | 6.415     |
| 22)                         | Mirex           | 6.943 | 8.018  | 11423358 | 72986728 | 6.224   | 6.133     |
| 23)                         | Chlordane-1     | 3.682 | 0.000  | 232926   | 0        | 2.805   | N.D. #    |
| 24)                         | Chlordane-2     | 0.000 | 5.160f | 0        | 203.3E6  | N.D.    | 165.681 # |
| 25)                         | Chlordane-3     | 4.904 | 5.846  | 13595208 | 163.4E6  | 46.619  | 42.887    |
| 26)                         | Chlordane-4     | 4.966 | 5.922  | 13690514 | 159.3E6  | 47.089  | 36.123    |
| 27)                         | Chlordane-5     | 5.865 | 0.000  | 11774435 | 0        | 121.878 | N.D. #    |
| -----                       |                 |       |        |          |          |         |           |

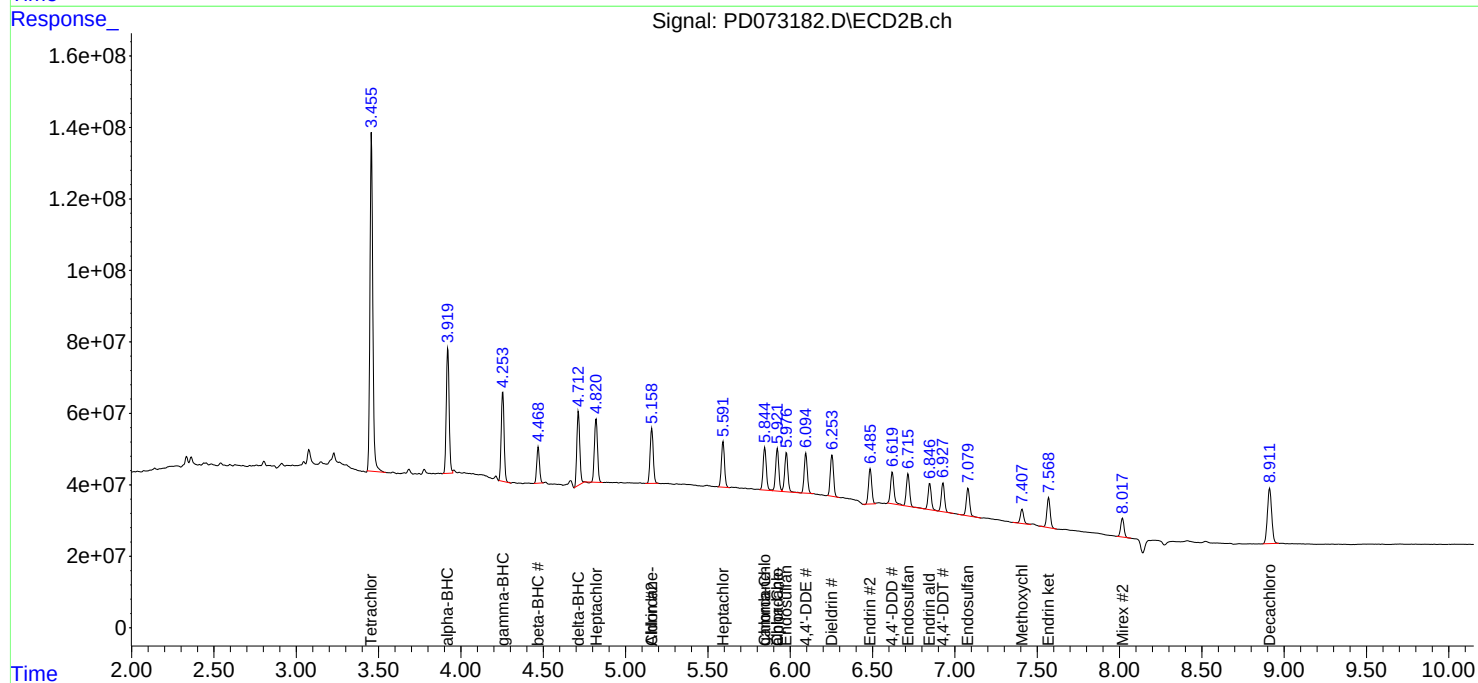
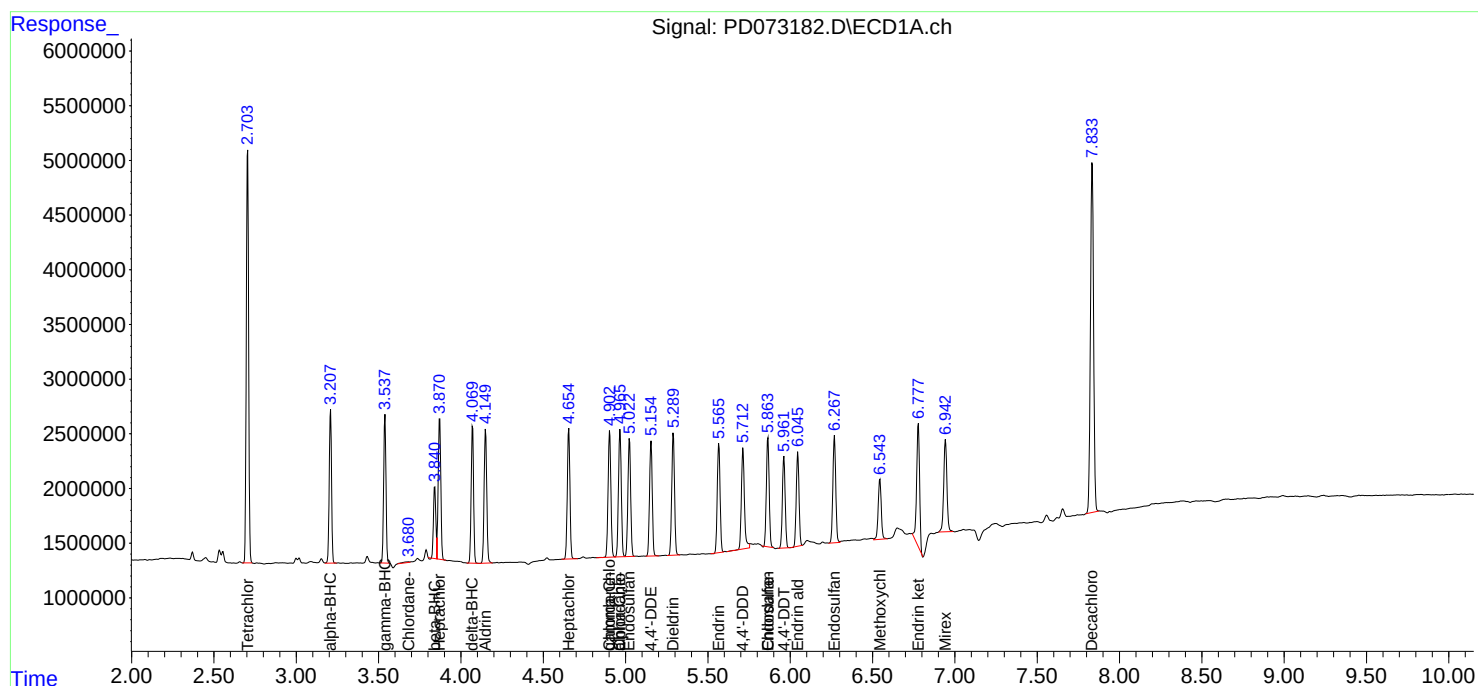
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

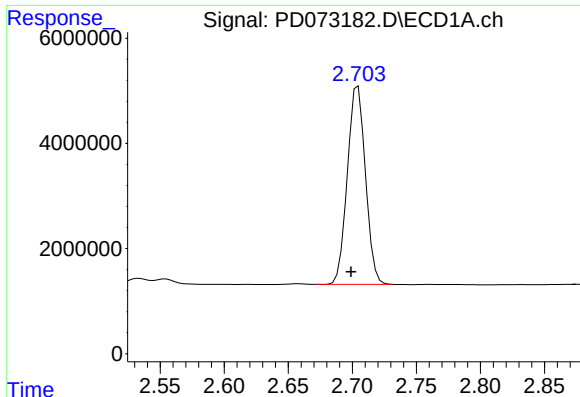
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD112122\  
Data File : PD073182.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Nov 2022 15:17  
Operator : AR\AJ  
Sample : N4955-02  
Misc : PEST LOQ 5PPB  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 21 23:50:35 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD111622.M  
Quant Title : GC Extractables  
QLast Update : Thu Nov 17 03:26:54 2022  
Response via : Initial Calibration  
Integrator: ChemStation

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

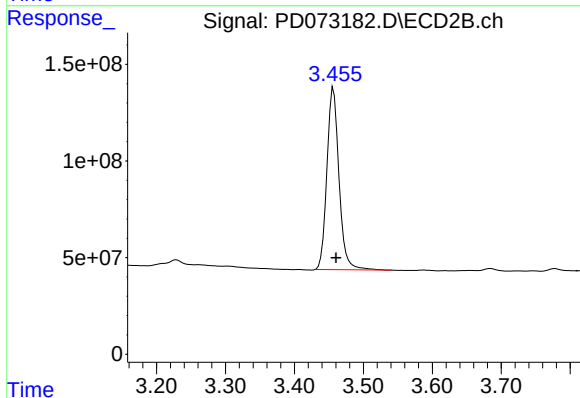




#1 Tetrachloro-m-xylene

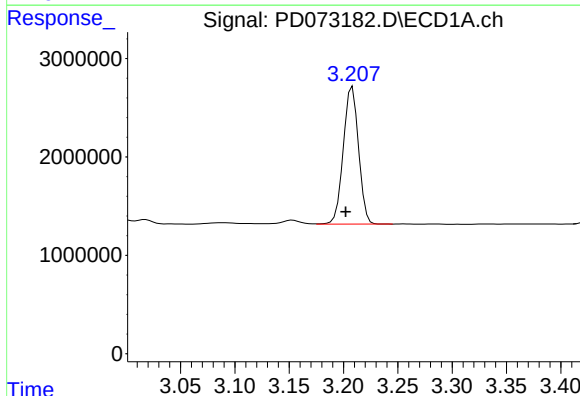
R.T.: 2.704 min  
Delta R.T.: 0.005 min  
Response: 37021755  
Conc: 17.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



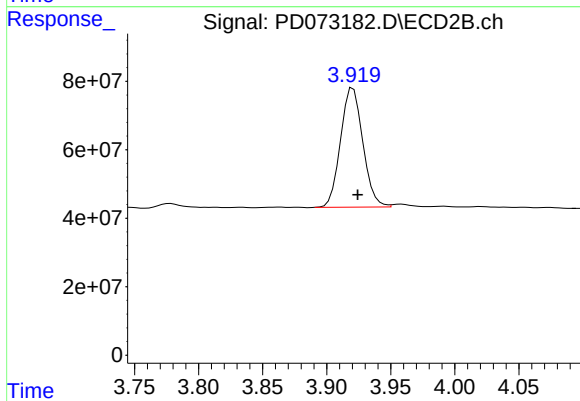
#1 Tetrachloro-m-xylene

R.T.: 3.457 min  
Delta R.T.: -0.004 min  
Response: 1145405767  
Conc: 20.67 ng/ml



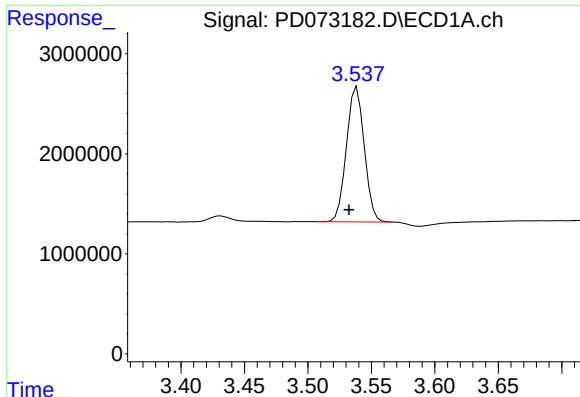
#2 alpha-BHC

R.T.: 3.208 min  
Delta R.T.: 0.006 min  
Response: 13637658  
Conc: 3.96 ng/ml



#2 alpha-BHC

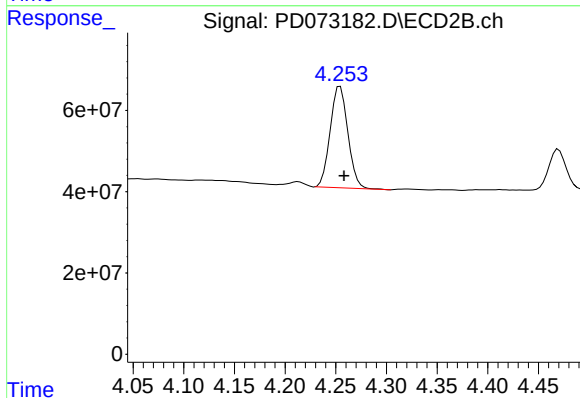
R.T.: 3.921 min  
Delta R.T.: -0.004 min  
Response: 422162667  
Conc: 5.75 ng/ml



#3 gamma-BHC (Lindane)

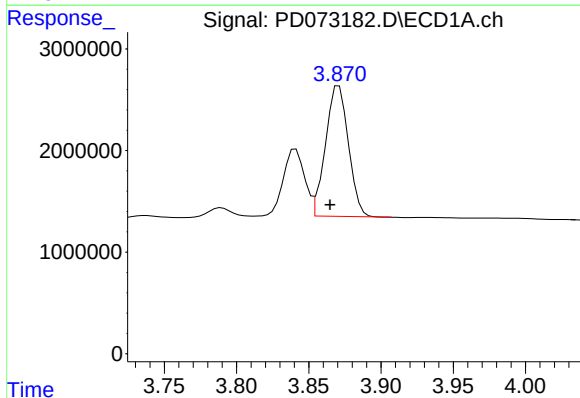
R.T.: 3.539 min  
Delta R.T.: 0.006 min  
Response: 13179242  
Conc: 4.75 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



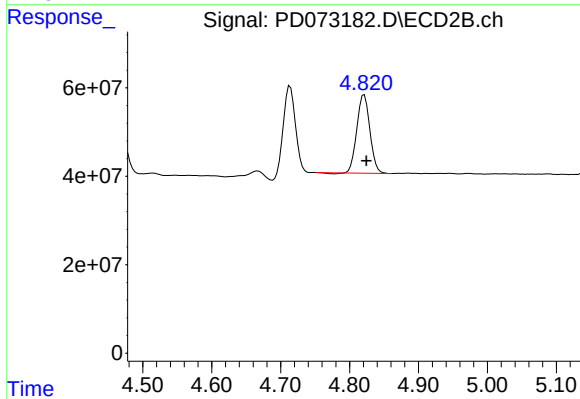
#3 gamma-BHC (Lindane)

R.T.: 4.254 min  
Delta R.T.: -0.004 min  
Response: 304952673  
Conc: 5.38 ng/ml



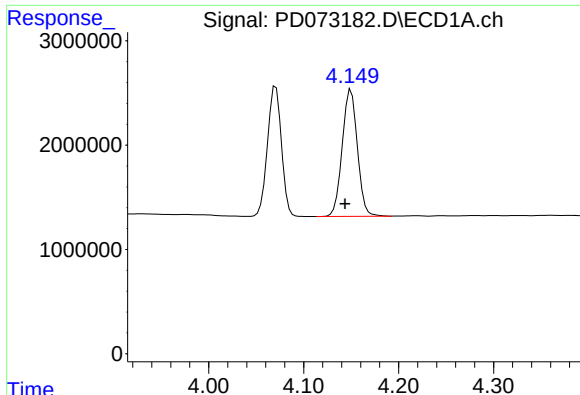
#4 Heptachlor

R.T.: 3.871 min  
Delta R.T.: 0.006 min  
Response: 14130759  
Conc: 4.80 ng/ml



#4 Heptachlor

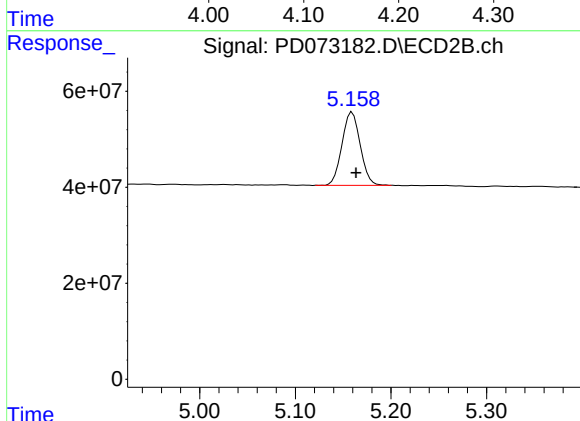
R.T.: 4.821 min  
Delta R.T.: -0.003 min  
Response: 230784092  
Conc: 6.15 ng/ml



#5 Aldrin

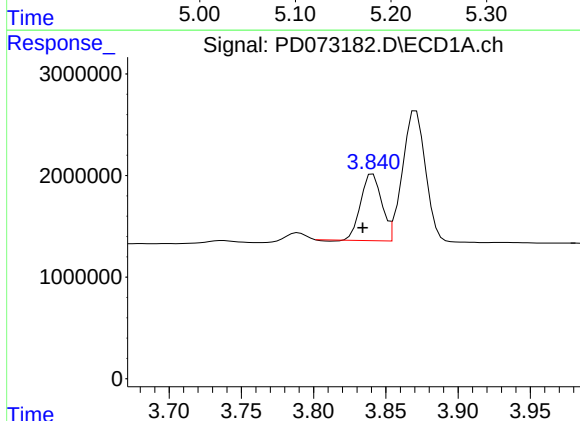
R.T.: 4.150 min  
Delta R.T.: 0.006 min  
Response: 13509249  
Conc: 4.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



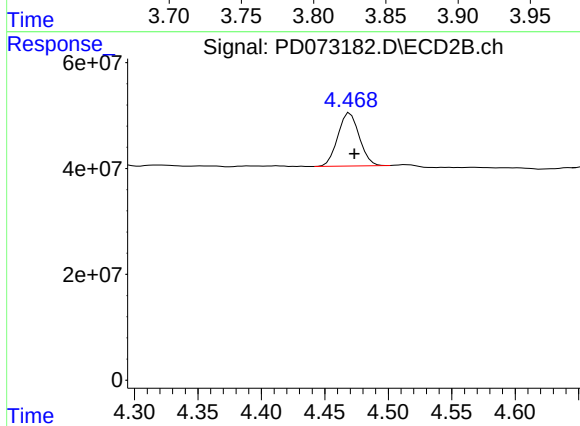
#5 Aldrin

R.T.: 5.160 min  
Delta R.T.: -0.004 min  
Response: 203260084  
Conc: 6.30 ng/ml



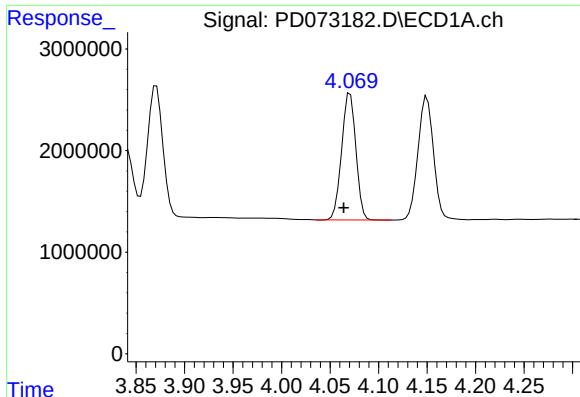
#6 beta-BHC

R.T.: 3.841 min  
Delta R.T.: 0.007 min  
Response: 6570794  
Conc: 5.13 ng/ml



#6 beta-BHC

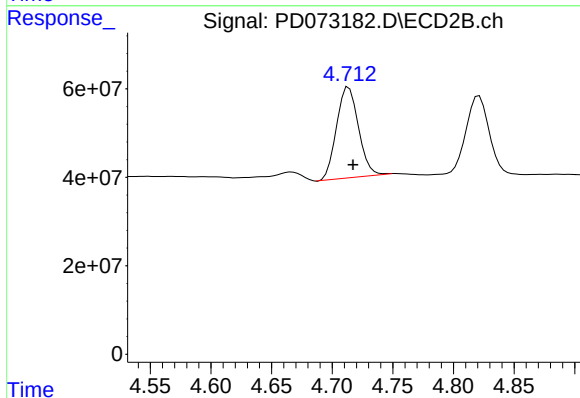
R.T.: 4.470 min  
Delta R.T.: -0.004 min  
Response: 118180885  
Conc: 5.64 ng/ml



#7 delta-BHC

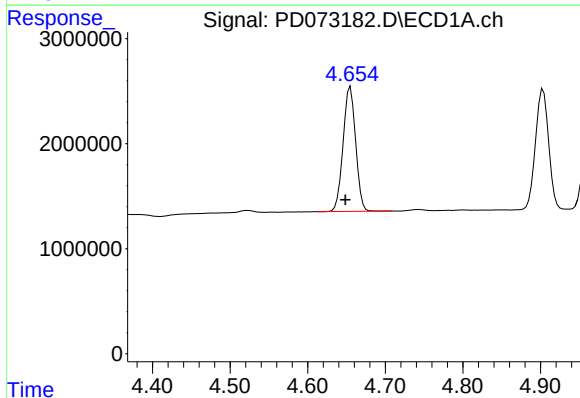
R.T.: 4.071 min  
Delta R.T.: 0.007 min  
Response: 12719759  
Conc: 4.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



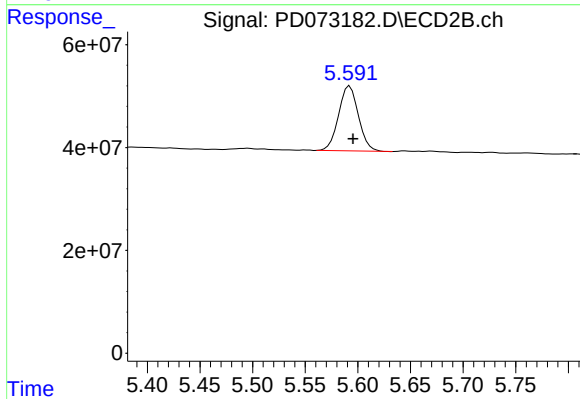
#7 delta-BHC

R.T.: 4.714 min  
Delta R.T.: -0.004 min  
Response: 260015527  
Conc: 6.39 ng/ml



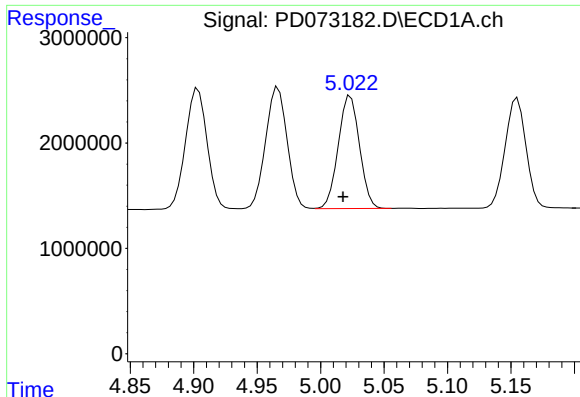
#8 Heptachlor epoxide

R.T.: 4.655 min  
Delta R.T.: 0.007 min  
Response: 13335891  
Conc: 4.99 ng/ml



#8 Heptachlor epoxide

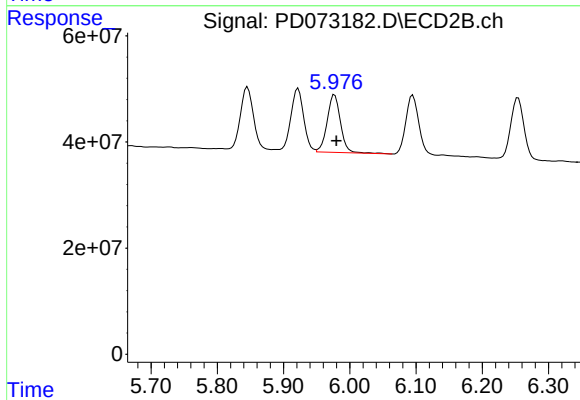
R.T.: 5.592 min  
Delta R.T.: -0.003 min  
Response: 166316018  
Conc: 6.21 ng/ml



#9 Endosulfan I

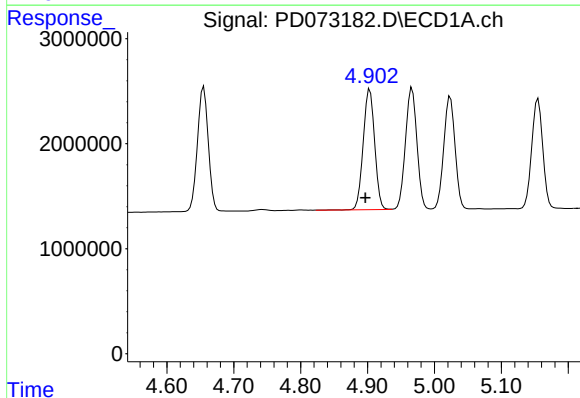
R.T.: 5.024 min  
Delta R.T.: 0.006 min  
Response: 12476777  
Conc: 4.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



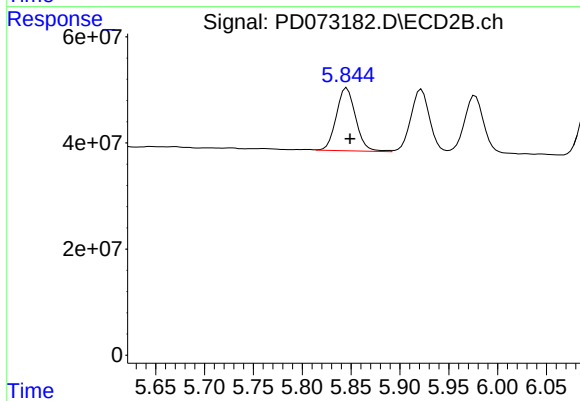
#9 Endosulfan I

R.T.: 5.977 min  
Delta R.T.: -0.003 min  
Response: 152181268  
Conc: 6.19 ng/ml



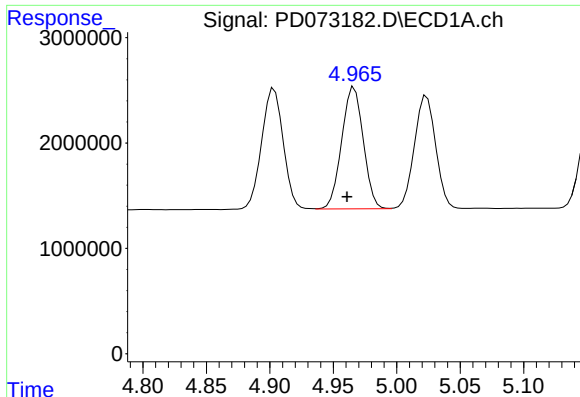
#10 gamma-Chlordane

R.T.: 4.904 min  
Delta R.T.: 0.007 min  
Response: 13595208  
Conc: 4.96 ng/ml



#10 gamma-Chlordane

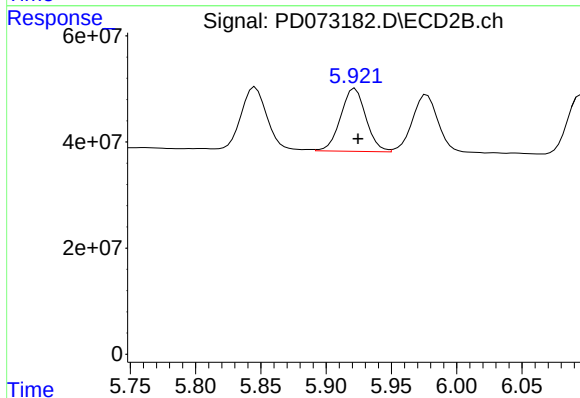
R.T.: 5.846 min  
Delta R.T.: -0.003 min  
Response: 163438410  
Conc: 6.16 ng/ml



#11 alpha-Chlordane

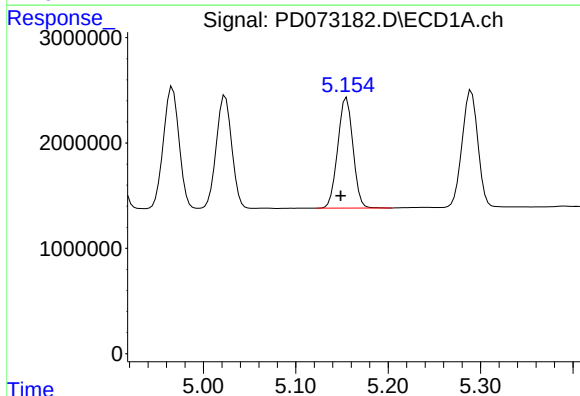
R.T.: 4.966 min  
Delta R.T.: 0.006 min  
Response: 13690514  
Conc: 5.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



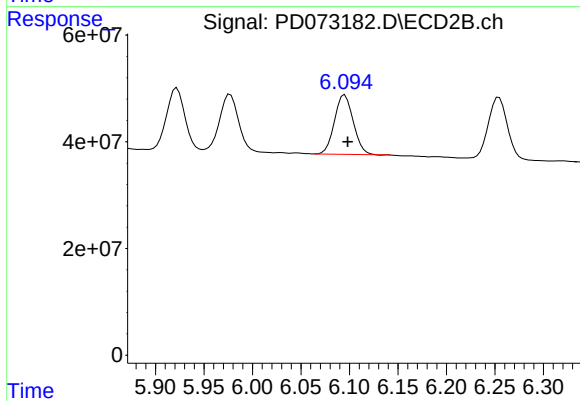
#11 alpha-Chlordane

R.T.: 5.922 min  
Delta R.T.: -0.002 min  
Response: 159335768  
Conc: 6.17 ng/ml



#12 4,4'-DDE

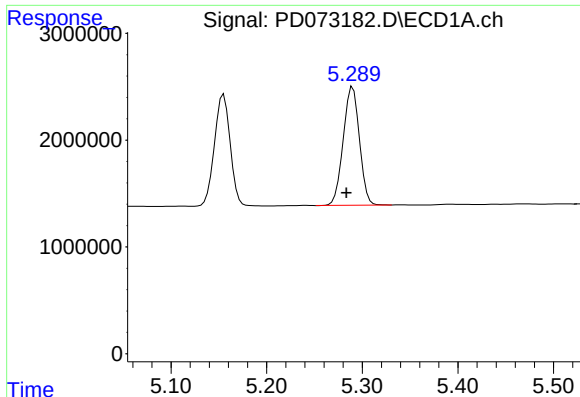
R.T.: 5.155 min  
Delta R.T.: 0.007 min  
Response: 12011402  
Conc: 4.69 ng/ml



#12 4,4'-DDE

R.T.: 6.095 min  
Delta R.T.: -0.003 min  
Response: 147984218  
Conc: 5.96 ng/ml

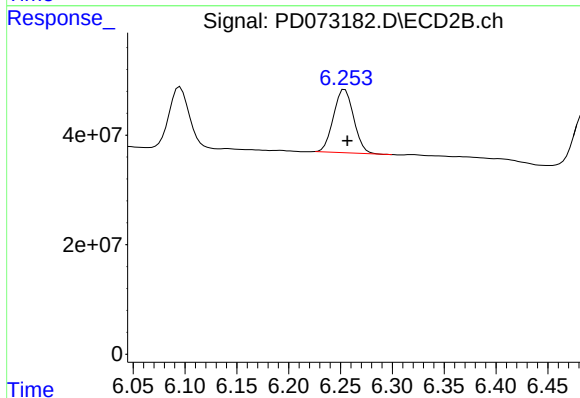




#13 Dieldrin

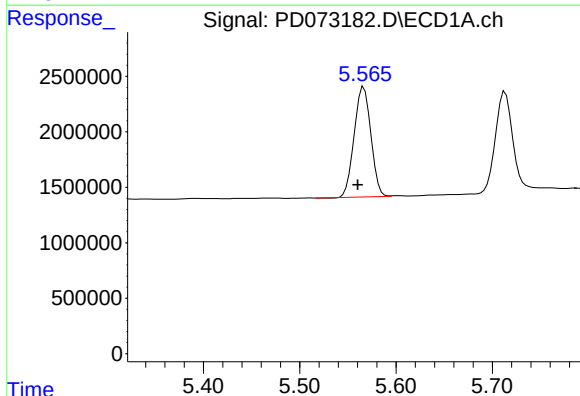
R.T.: 5.290 min  
Delta R.T.: 0.007 min  
Response: 13122553  
Conc: 4.97 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



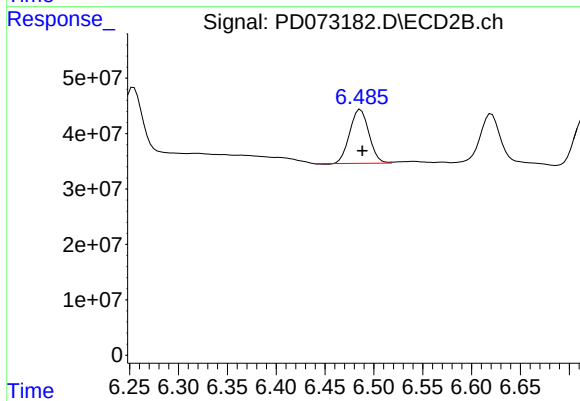
#13 Dieldrin

R.T.: 6.254 min  
Delta R.T.: -0.002 min  
Response: 156142131  
Conc: 6.20 ng/ml



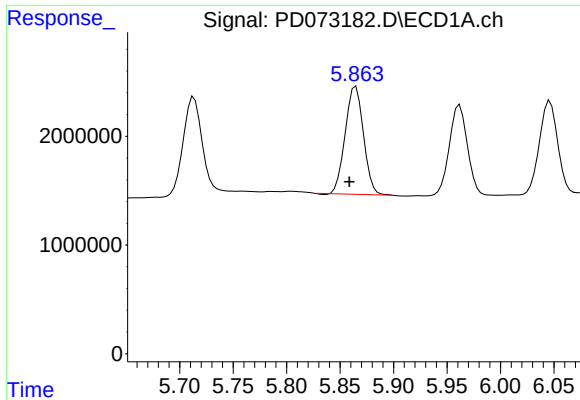
#14 Endrin

R.T.: 5.567 min  
Delta R.T.: 0.006 min  
Response: 11935774  
Conc: 4.93 ng/ml



#14 Endrin

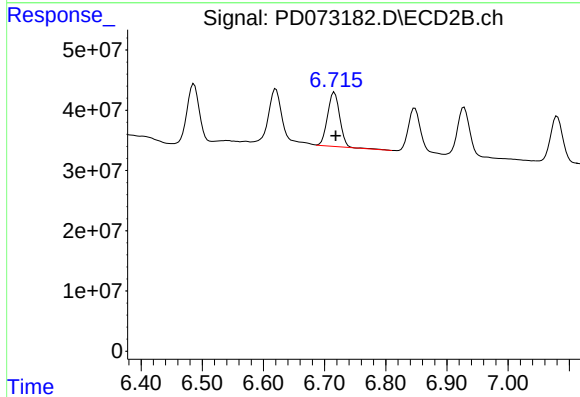
R.T.: 6.486 min  
Delta R.T.: -0.002 min  
Response: 132672442  
Conc: 6.13 ng/ml



#15 Endosulfan II

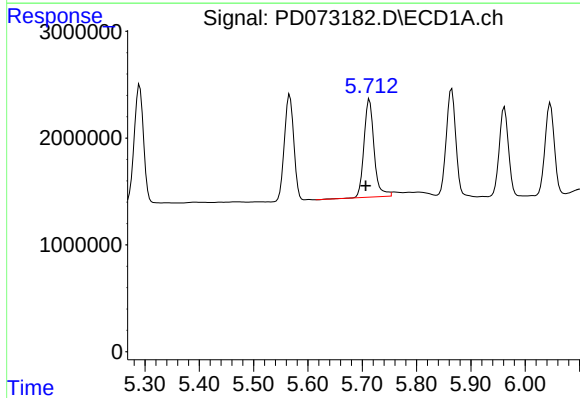
R.T.: 5.865 min  
Delta R.T.: 0.006 min  
Response: 11774435  
Conc: 5.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



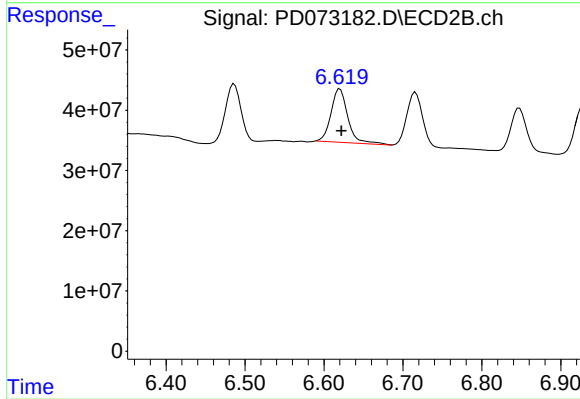
#15 Endosulfan II

R.T.: 6.716 min  
Delta R.T.: -0.002 min  
Response: 124304632  
Conc: 6.34 ng/ml



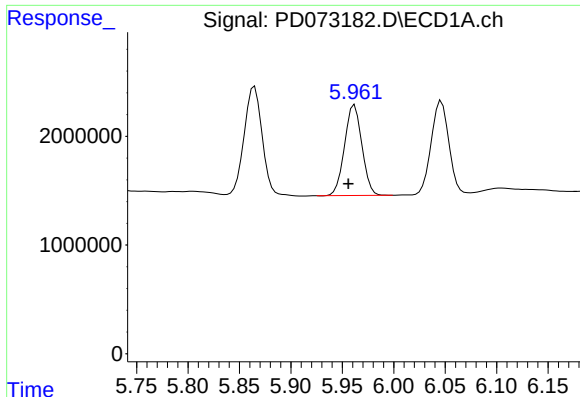
#16 4,4'-DDD

R.T.: 5.713 min  
Delta R.T.: 0.007 min  
Response: 11864396  
Conc: 5.56 ng/ml



#16 4,4'-DDD

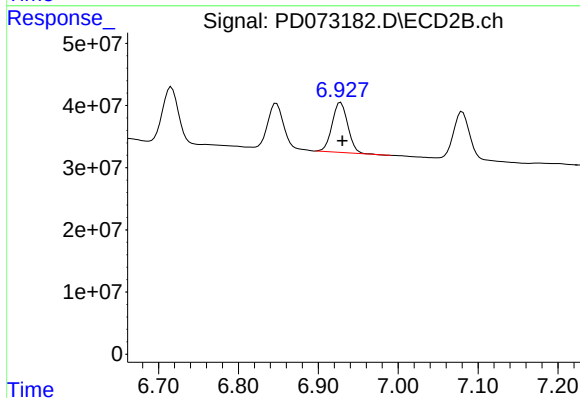
R.T.: 6.620 min  
Delta R.T.: -0.002 min  
Response: 131571801  
Conc: 6.72 ng/ml



#17 4,4'-DDT

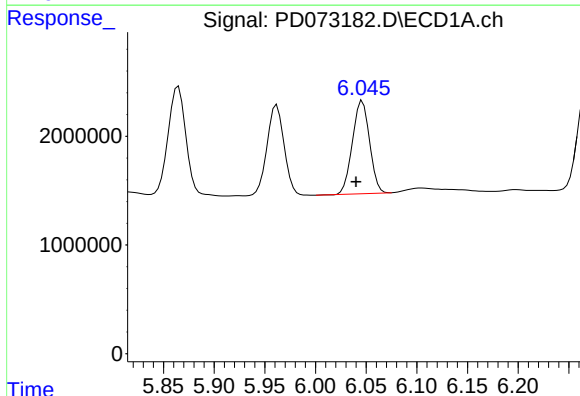
R.T.: 5.962 min  
Delta R.T.: 0.006 min  
Response: 9797112  
Conc: 5.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



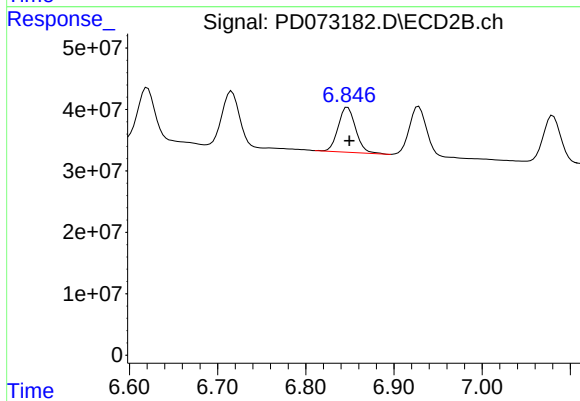
#17 4,4'-DDT

R.T.: 6.928 min  
Delta R.T.: -0.002 min  
Response: 108871208  
Conc: 5.83 ng/ml



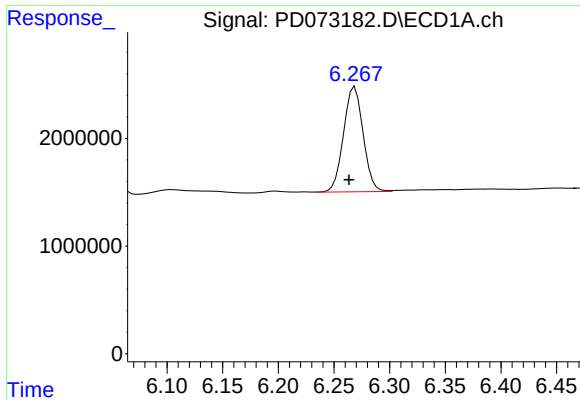
#18 Endrin aldehyde

R.T.: 6.046 min  
Delta R.T.: 0.006 min  
Response: 10054052  
Conc: 5.85 ng/ml



#18 Endrin aldehyde

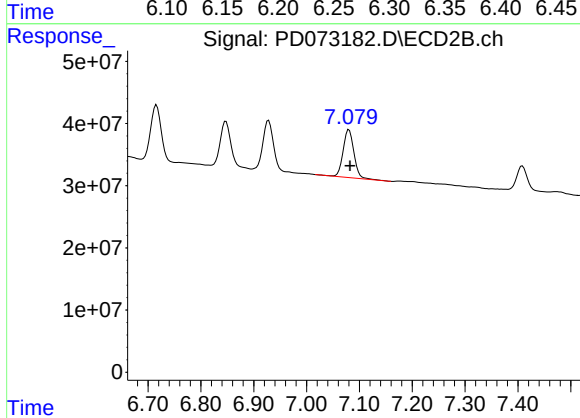
R.T.: 6.848 min  
Delta R.T.: -0.002 min  
Response: 101243445  
Conc: 6.79 ng/ml



#19 Endosulfan Sulfate

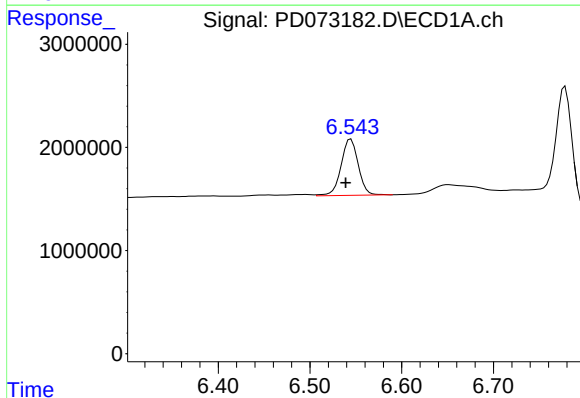
R.T.: 6.269 min  
Delta R.T.: 0.005 min  
Response: 11969130  
Conc: 5.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



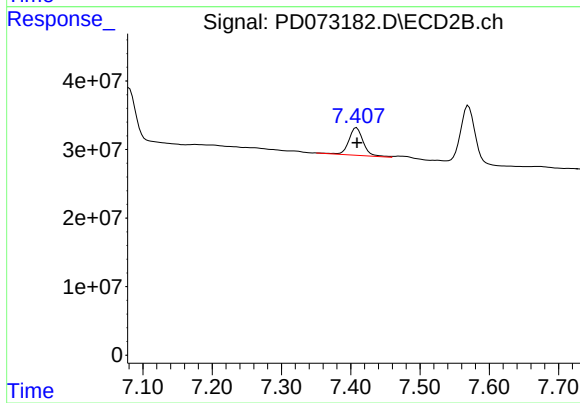
#19 Endosulfan Sulfate

R.T.: 7.080 min  
Delta R.T.: -0.002 min  
Response: 108555136  
Conc: 6.21 ng/ml



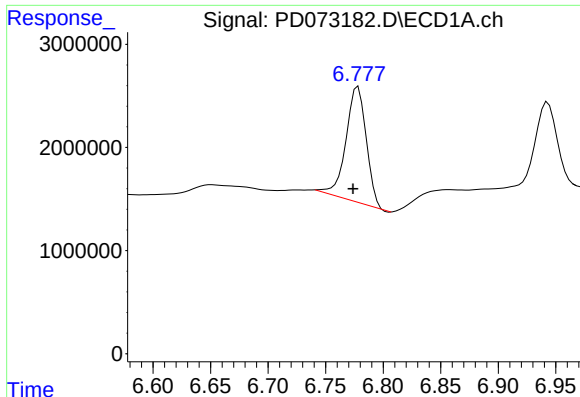
#20 Methoxychlor

R.T.: 6.545 min  
Delta R.T.: 0.006 min  
Response: 7086193  
Conc: 6.16 ng/ml



#20 Methoxychlor

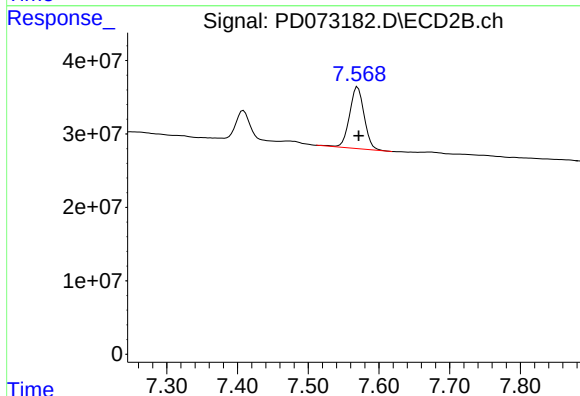
R.T.: 7.408 min  
Delta R.T.: 0.000 min  
Response: 59043017  
Conc: 6.74 ng/ml



#21 Endrin ketone

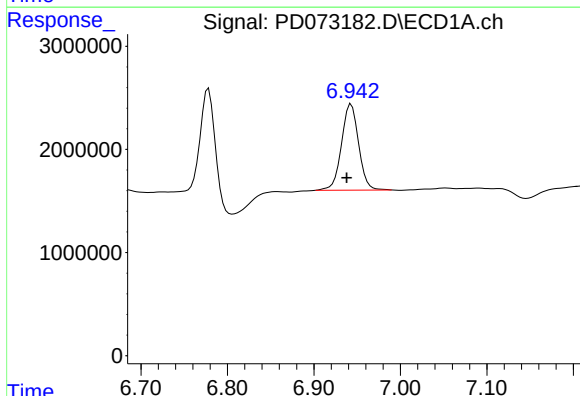
R.T.: 6.778 min  
Delta R.T.: 0.004 min  
Response: 13890768  
Conc: 5.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



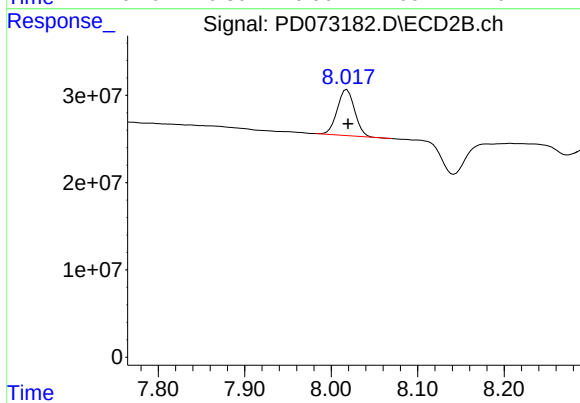
#21 Endrin ketone

R.T.: 7.570 min  
Delta R.T.: -0.002 min  
Response: 119779388  
Conc: 6.42 ng/ml



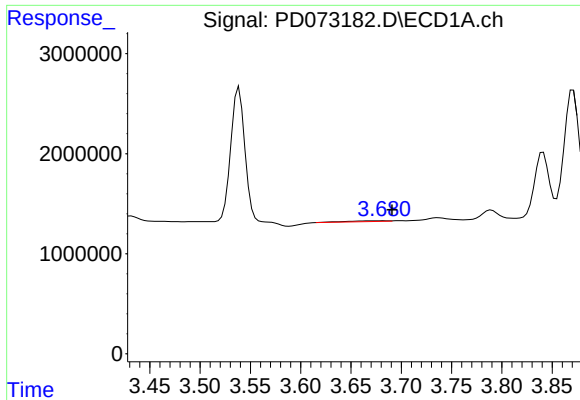
#22 Mirex

R.T.: 6.943 min  
Delta R.T.: 0.005 min  
Response: 11423358  
Conc: 6.22 ng/ml



#22 Mirex

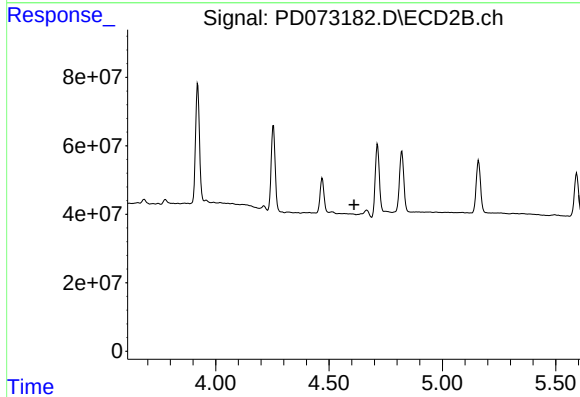
R.T.: 8.018 min  
Delta R.T.: -0.001 min  
Response: 72986728  
Conc: 6.13 ng/ml



#23 Chlordane-1

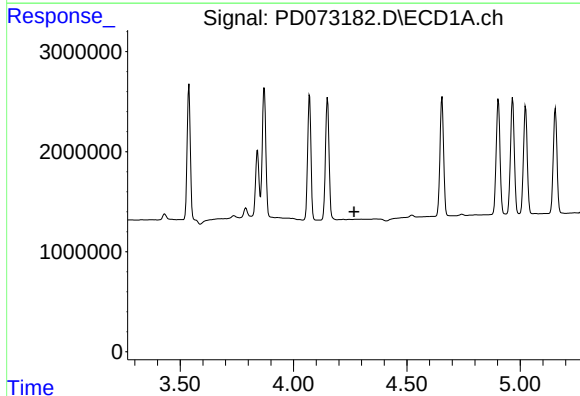
R.T.: 3.682 min  
Delta R.T.: -0.009 min  
Response: 232926  
Conc: 2.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



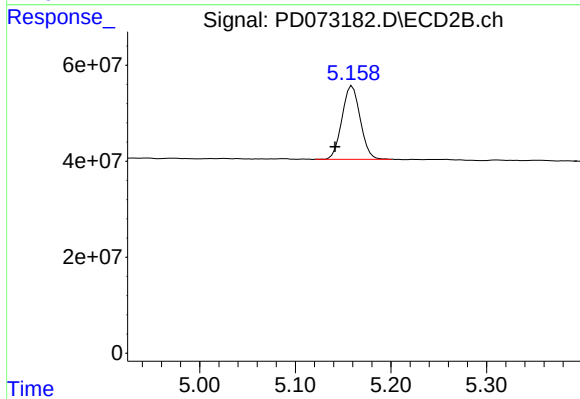
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T. : 4.610 min  
Response: 0  
Conc: N.D.



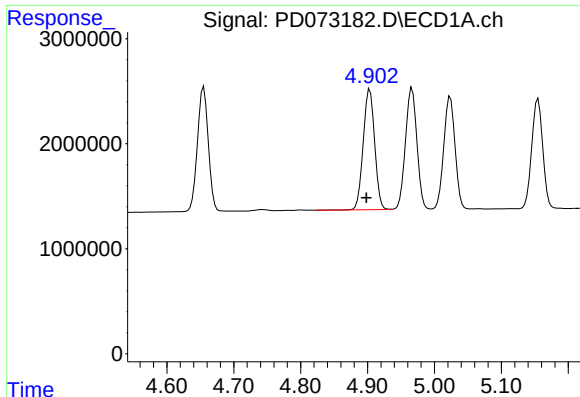
#24 Chlordane-2

R.T.: 0.000 min  
Exp R.T. : 4.267 min  
Response: 0  
Conc: N.D.



#24 Chlordane-2

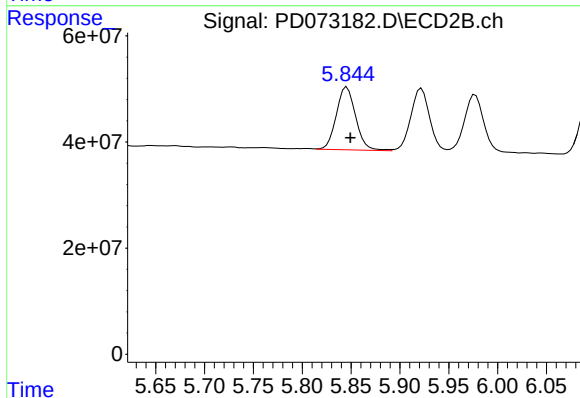
R.T.: 5.160 min  
Delta R.T.: 0.018 min  
Response: 203260084  
Conc: 165.68 ng/ml



#25 Chlordane-3

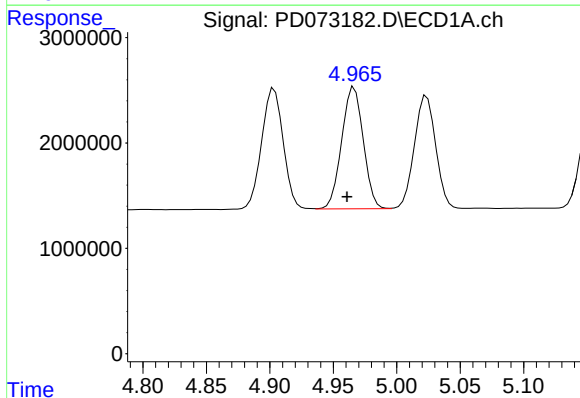
R.T.: 4.904 min  
Delta R.T.: 0.005 min  
Response: 13595208  
Conc: 46.62 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



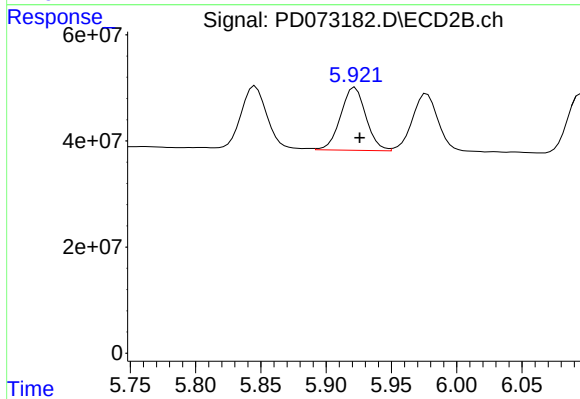
#25 Chlordane-3

R.T.: 5.846 min  
Delta R.T.: -0.004 min  
Response: 163438410  
Conc: 42.89 ng/ml



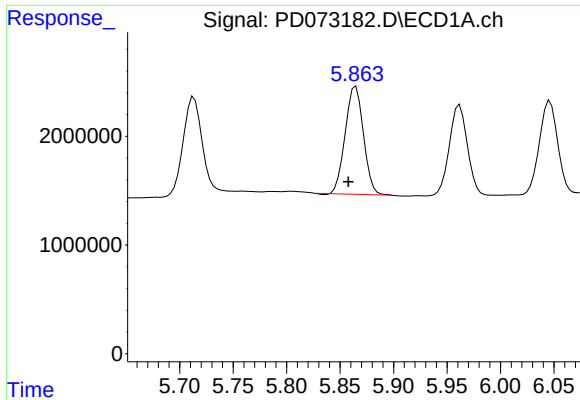
#26 Chlordane-4

R.T.: 4.966 min  
Delta R.T.: 0.006 min  
Response: 13690514  
Conc: 47.09 ng/ml



#26 Chlordane-4

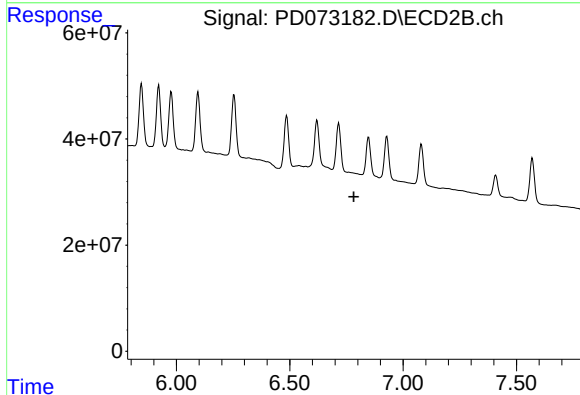
R.T.: 5.922 min  
Delta R.T.: -0.004 min  
Response: 159335768  
Conc: 36.12 ng/ml



#27 Chlordane-5

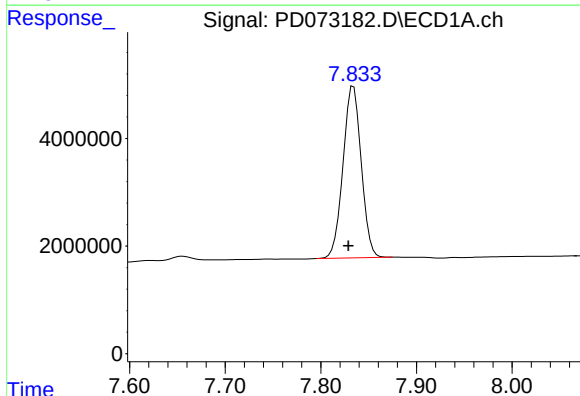
R.T.: 5.865 min  
Delta R.T.: 0.007 min  
Response: 11774435  
Conc: 121.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



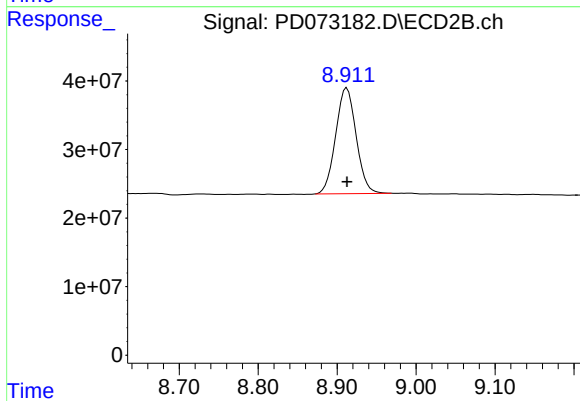
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T. : 6.783 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 7.834 min  
Delta R.T.: 0.005 min  
Response: 42412978  
Conc: 20.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.912 min  
Delta R.T.: 0.000 min  
Response: 278829217  
Conc: 21.82 ng/ml