

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD082825\  
 Data File : PD090054.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Aug 2025 10:37  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 28 23:24:45 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081825.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Aug 19 13:16:54 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 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... | 3.549  | 2.877  | 49805359 | 417.6E6  | 16.970  | 18.936  |
| 28)                         | SA Decachlor... | 9.069  | 8.064  | 79639793 | 440.3E6  | 18.452  | 17.009  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.998  | 3.389  | 51023748 | 294.6E6  | 8.501   | 8.680   |
| 3)                          | MA gamma-BHC... | 4.328  | 3.725  | 47387525 | 249.4E6  | 8.275   | 8.001   |
| 4)                          | MA Heptachlor   | 4.946f | 4.072  | 373491   | 1029823  | 0.067   | 0.033 # |
| 5)                          | MB Aldrin       | 5.250f | 4.360  | 542761   | 1774347  | 0.100   | 0.058 # |
| 6)                          | B beta-BHC      | 4.515  | 4.021  | 20263505 | 120.7E6  | 9.034   | 9.052   |
| 7)                          | B delta-BHC     | 4.758  | 4.249  | 530106   | 10579923 | 0.102   | 0.335 # |
| 8)                          | B Heptachlo...  | 5.703f | 4.862  | 533488   | 4561557  | 0.109   | 0.165 # |
| 9)                          | A Endosulfan I  | 6.063  | 5.239  | 826835   | 1535090  | 0.179   | 0.059 # |
| 10)                         | B gamma-Chl...  | 5.936  | 5.120  | 929101   | 15731257 | 0.190   | 0.531 # |
| 11)                         | B alpha-Chl...  | 6.029  | 5.190  | 1972369  | 9768127  | 0.401   | 0.342   |
| 12)                         | B 4,4'-DDE      | 6.192  | 5.389f | 372843   | 3487831  | 0.085   | 0.121 # |
| 13)                         | MA Dieldrin     | 6.324f | 5.502  | 1681921  | 170072   | 0.344   | 0.006 # |
| 14)                         | MA Endrin       | 6.572  | 5.783  | 185.7E6  | 1040.5E6 | 44.811  | 39.068  |
| 15)                         | B Endosulfa...  | 6.795  | 6.079  | 2999935  | 8186210  | 0.711   | 0.324 # |
| 16)                         | A 4,4'-DDD      | 6.703  | 5.923  | 10542708 | 58558822 | 3.048   | 2.436   |
| 17)                         | MA 4,4'-DDT     | 7.019  | 6.177  | 321.6E6  | 1830.0E6 | 84.424  | 72.997  |
| 18)                         | B Endrin al...  | 6.916  | 6.252  | 1003291  | 11840952 | 0.350   | 0.688 # |
| 19)                         | B Endosulfa...  | 7.140  | 6.478  | 127931   | 3921537  | 0.033   | 0.161 # |
| 20)                         | A Methoxychlor  | 7.491  | 6.747  | 404.6E6  | 1987.3E6 | 201.737 | 154.104 |
| 21)                         | B Endrin ke...  | 7.628  | 6.984  | 3336105  | 36778207 | 0.805   | 1.380 # |
| 22)                         | Mirex           | 8.114  | 7.164f | 252971   | 7004863  | 0.080   | 0.339 # |
| 23)                         | Chlordane-1     | 4.704  | 3.887  | -69281   | 9311091  | N.D.    | 10.474  |
| 24)                         | Chlordane-2     | 5.250  | 4.499  | 542761   | 2698643  | 3.083   | 2.817   |
| 25)                         | Chlordane-3     | 5.936  | 5.120  | 929101   | 15731257 | 1.370   | 5.677 # |
| 26)                         | Chlordane-4     | 6.029  | 5.190  | 1972369  | 9768127  | 2.376   | 4.058 # |
| 27)                         | Chlordane-5     | 6.860  | 6.079  | 204323   | 8186210  | 1.458   | 7.442 # |
| -----                       |                 |        |        |          |          |         |         |

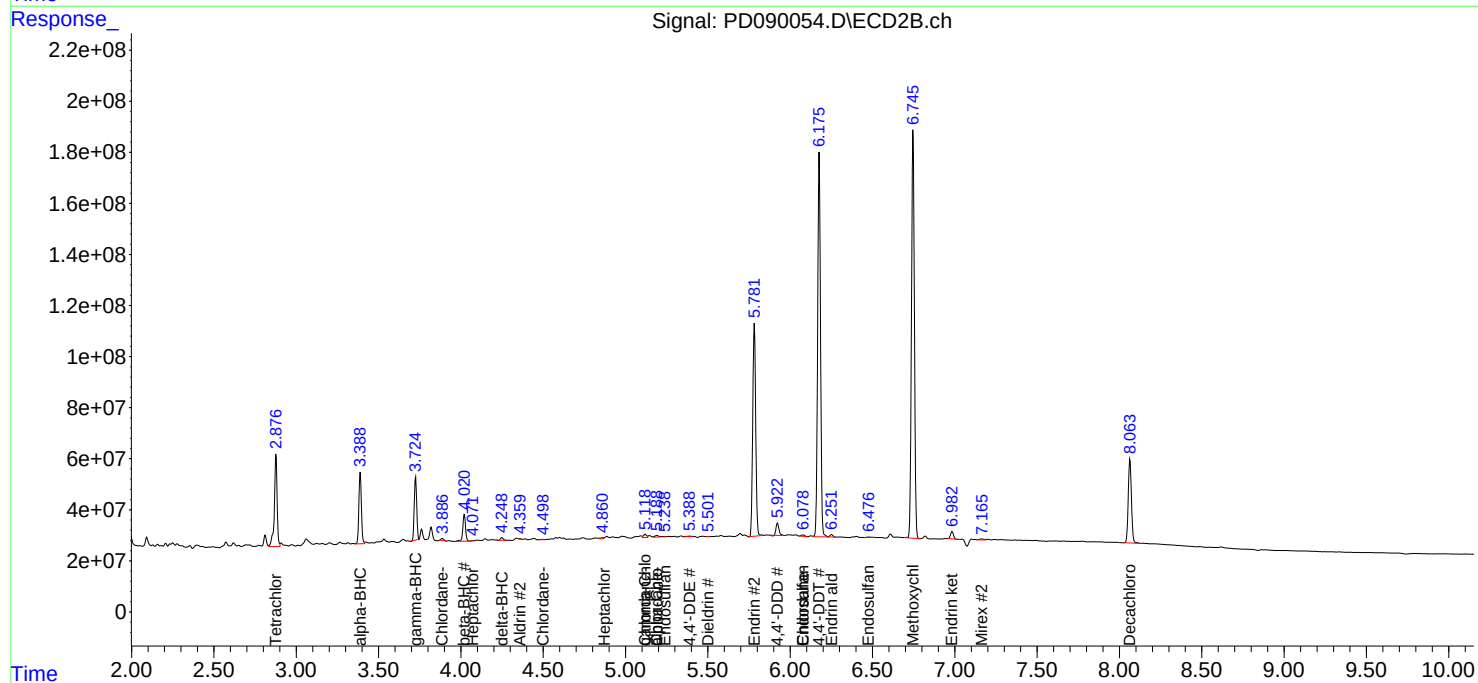
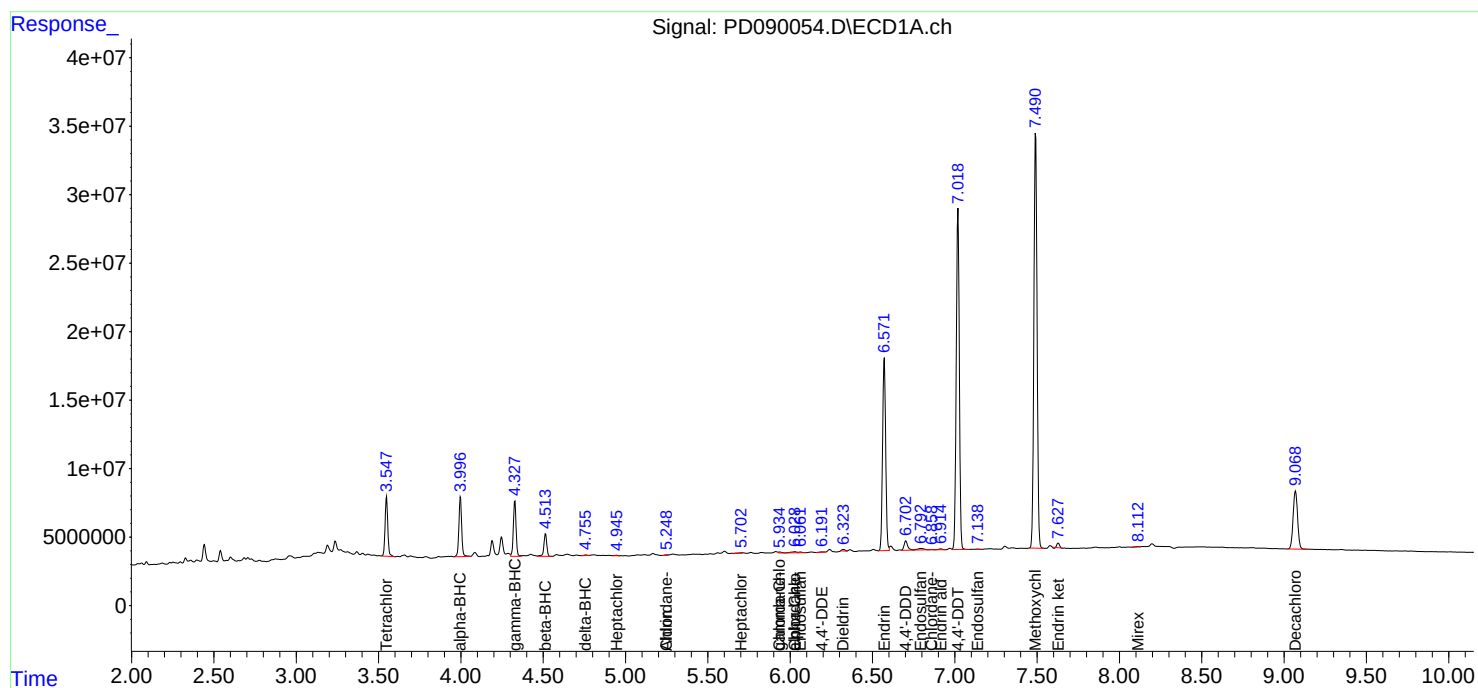
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

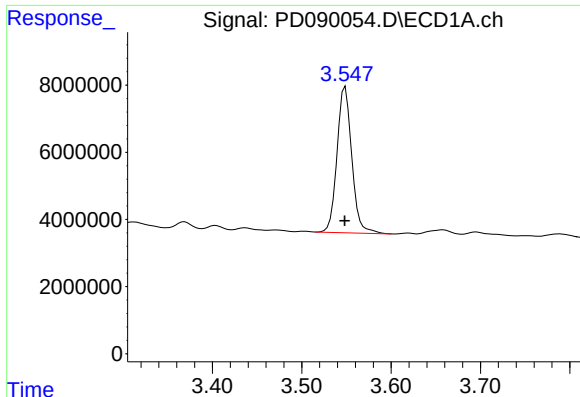
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD082825\  
Data File : PD090054.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Aug 2025 10:37  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 28 23:24:45 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081825.M  
Quant Title : GC Extractables  
QLast Update : Tue Aug 19 13:16:54 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 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

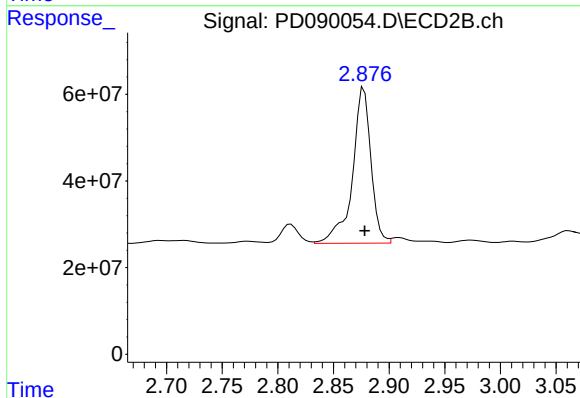




#1 Tetrachloro-m-xylene

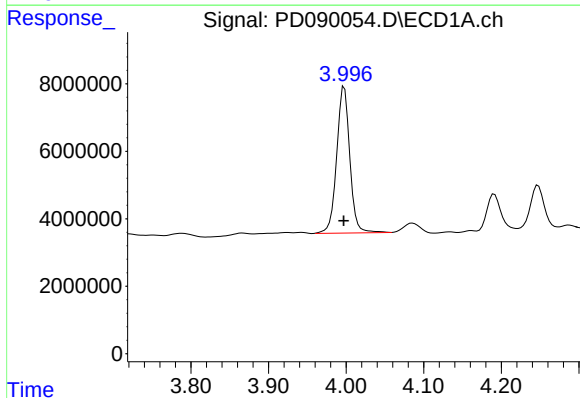
R.T.: 3.549 min  
Delta R.T.: 0.000 min  
Response: 49805359  
Conc: 16.97 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



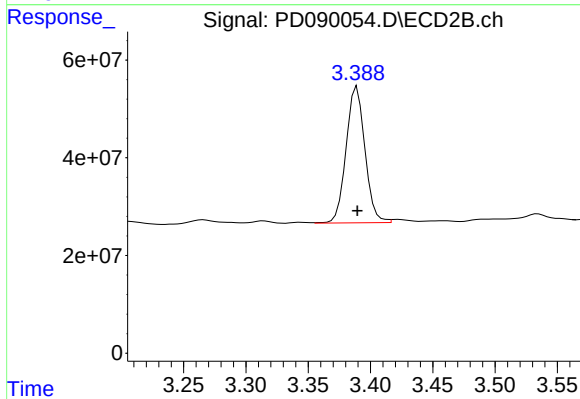
#1 Tetrachloro-m-xylene

R.T.: 2.877 min  
Delta R.T.: 0.000 min  
Response: 417557610  
Conc: 18.94 ng/ml



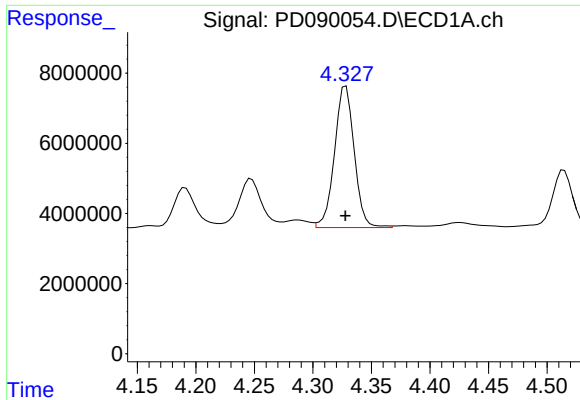
#2 alpha-BHC

R.T.: 3.998 min  
Delta R.T.: 0.000 min  
Response: 51023748  
Conc: 8.50 ng/ml



#2 alpha-BHC

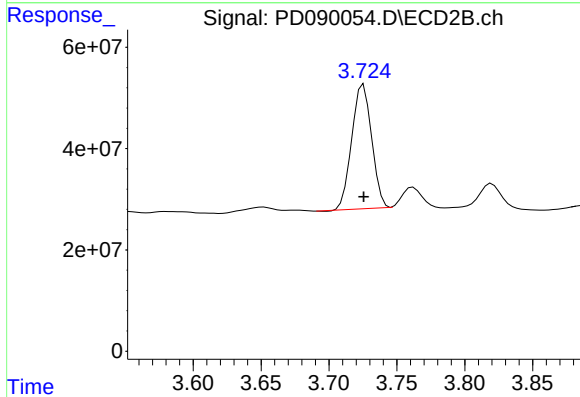
R.T.: 3.389 min  
Delta R.T.: 0.000 min  
Response: 294587684  
Conc: 8.68 ng/ml



#3 gamma-BHC (Lindane)

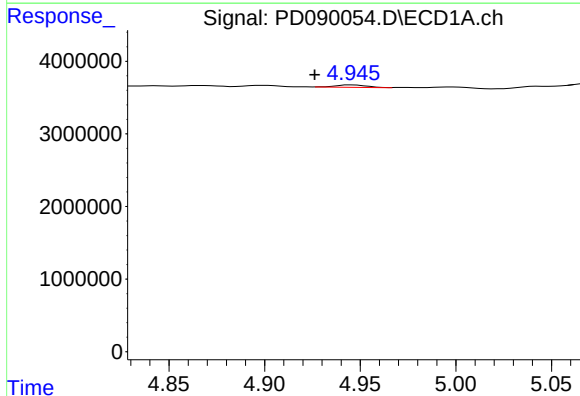
R.T.: 4.328 min  
Delta R.T.: 0.000 min  
Response: 47387525  
Conc: 8.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



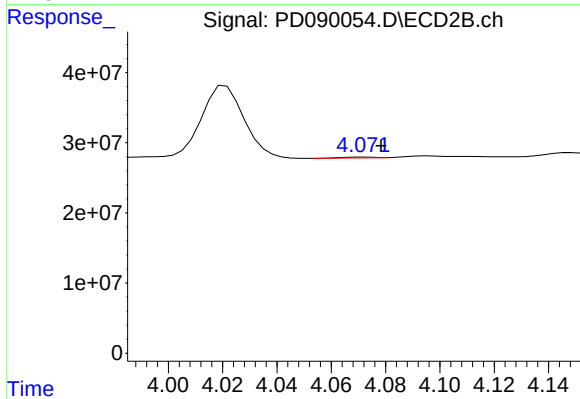
#3 gamma-BHC (Lindane)

R.T.: 3.725 min  
Delta R.T.: 0.000 min  
Response: 249387933  
Conc: 8.00 ng/ml



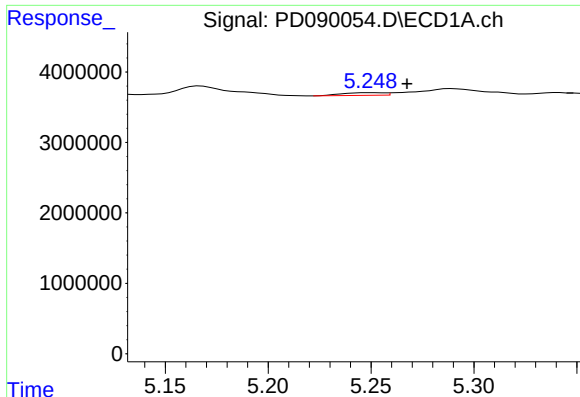
#4 Heptachlor

R.T.: 4.946 min  
Delta R.T.: 0.020 min  
Response: 373491  
Conc: 0.07 ng/ml



#4 Heptachlor

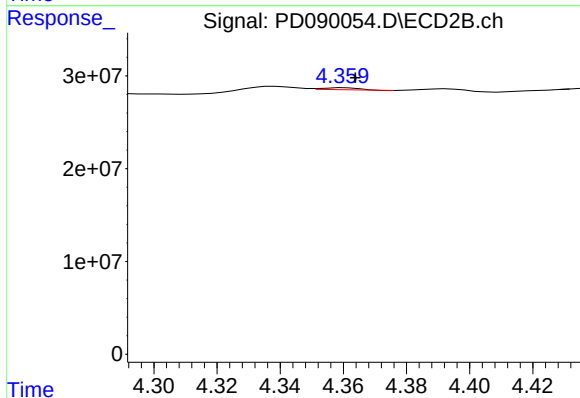
R.T.: 4.072 min  
Delta R.T.: -0.006 min  
Response: 1029823  
Conc: 0.03 ng/ml



#5 Aldrin

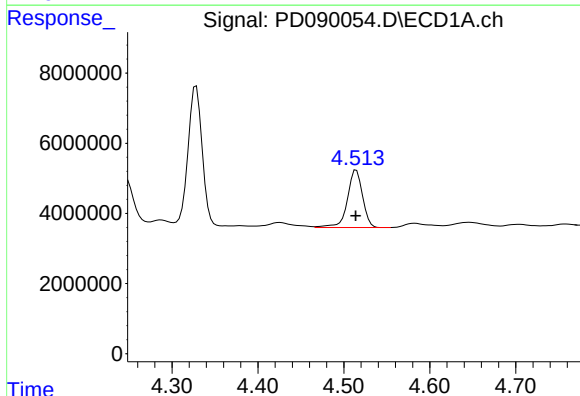
R.T.: 5.250 min  
Delta R.T.: -0.018 min  
Response: 542761  
Conc: 0.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



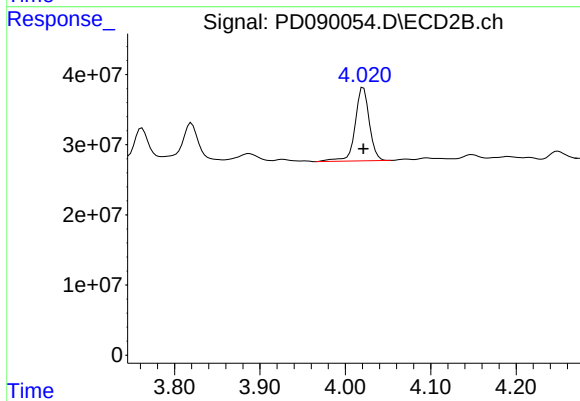
#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: -0.004 min  
Response: 1774347  
Conc: 0.06 ng/ml



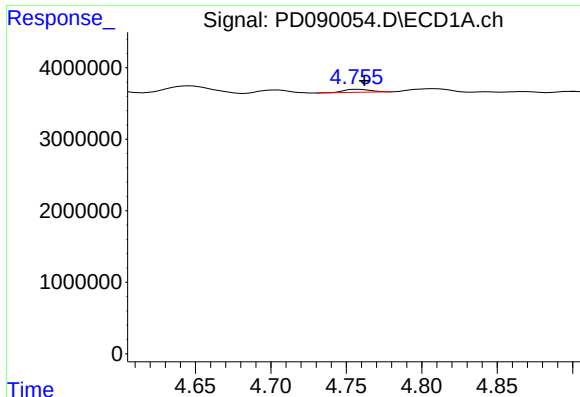
#6 beta-BHC

R.T.: 4.515 min  
Delta R.T.: 0.000 min  
Response: 20263505  
Conc: 9.03 ng/ml



#6 beta-BHC

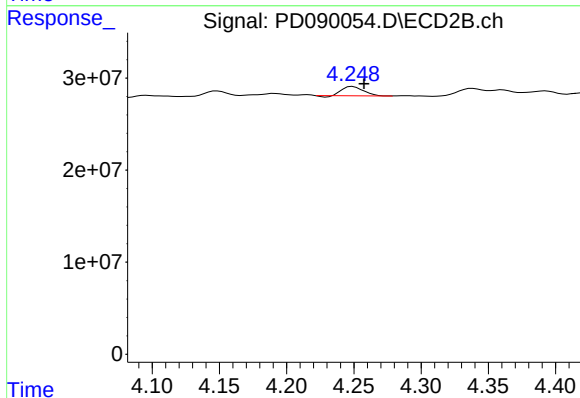
R.T.: 4.021 min  
Delta R.T.: 0.000 min  
Response: 120659754  
Conc: 9.05 ng/ml



#7 delta-BHC

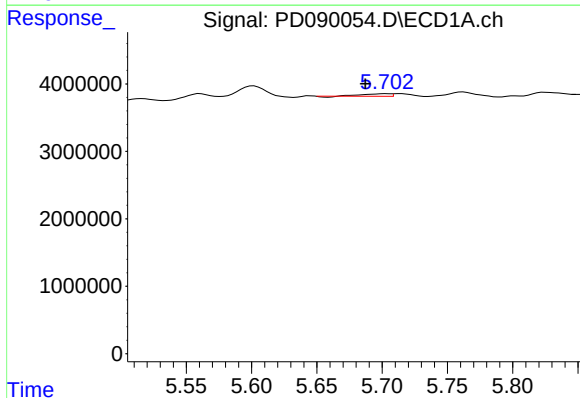
R.T.: 4.758 min  
Delta R.T.: -0.004 min  
Response: 530106  
Conc: 0.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



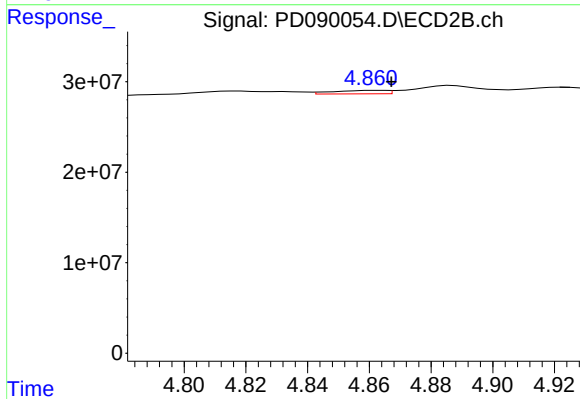
#7 delta-BHC

R.T.: 4.249 min  
Delta R.T.: -0.009 min  
Response: 10579923  
Conc: 0.34 ng/ml



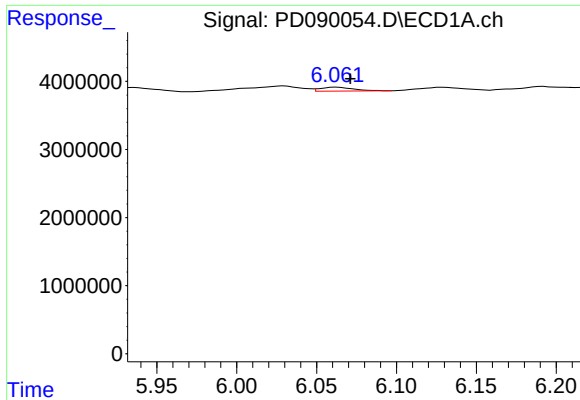
#8 Heptachlor epoxide

R.T.: 5.703 min  
Delta R.T.: 0.016 min  
Response: 533488  
Conc: 0.11 ng/ml



#8 Heptachlor epoxide

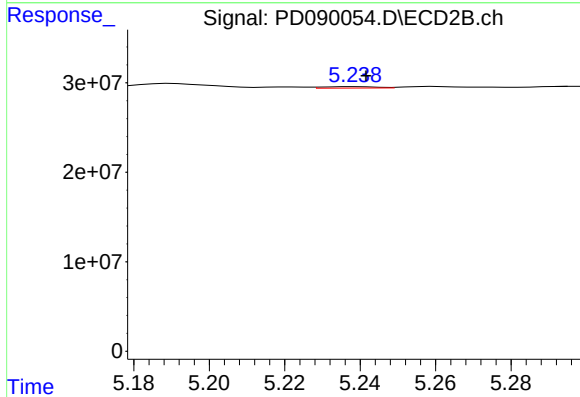
R.T.: 4.862 min  
Delta R.T.: -0.005 min  
Response: 4561557  
Conc: 0.16 ng/ml



#9 Endosulfan I

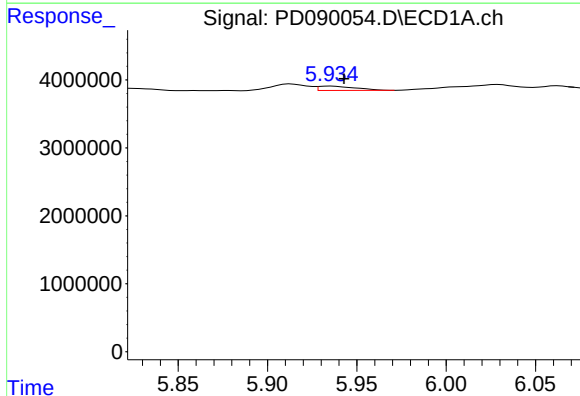
R.T.: 6.063 min  
Delta R.T.: -0.008 min  
Response: 826835  
Conc: 0.18 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



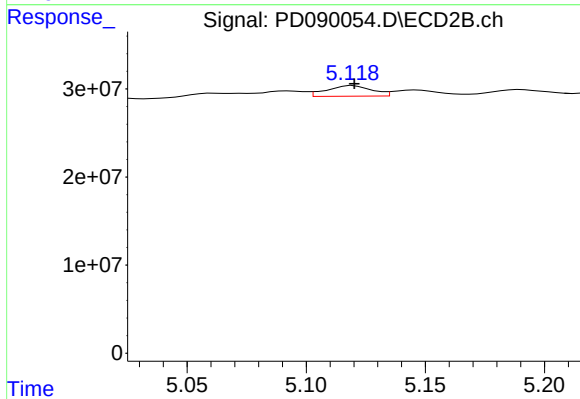
#9 Endosulfan I

R.T.: 5.239 min  
Delta R.T.: -0.002 min  
Response: 1535090  
Conc: 0.06 ng/ml



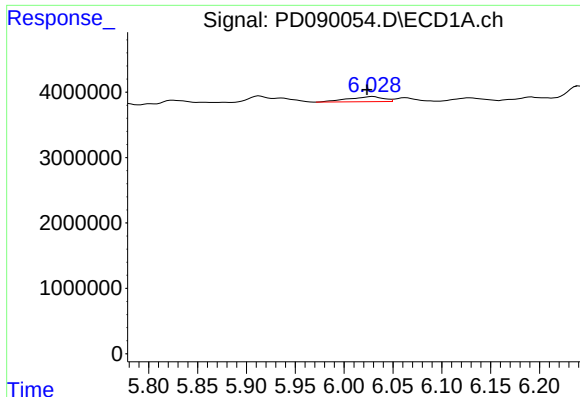
#10 gamma-Chlordane

R.T.: 5.936 min  
Delta R.T.: -0.007 min  
Response: 929101  
Conc: 0.19 ng/ml



#10 gamma-Chlordane

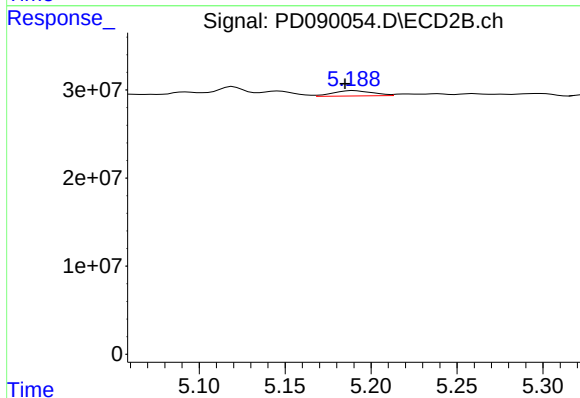
R.T.: 5.120 min  
Delta R.T.: 0.000 min  
Response: 15731257  
Conc: 0.53 ng/ml



#11 alpha-Chlordane

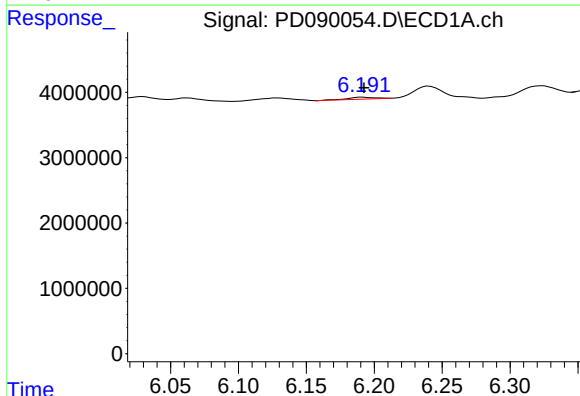
R.T.: 6.029 min  
Delta R.T.: 0.006 min  
Response: 1972369  
Conc: 0.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



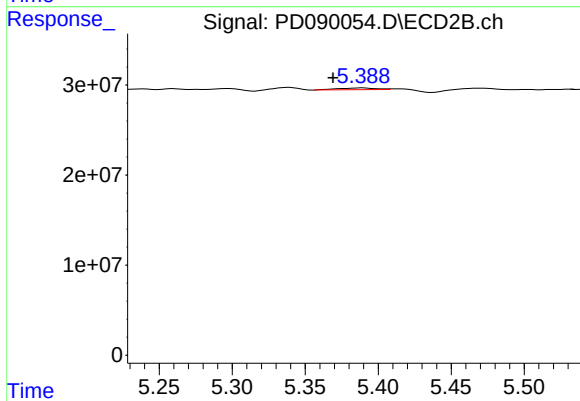
#11 alpha-Chlordane

R.T.: 5.190 min  
Delta R.T.: 0.005 min  
Response: 9768127  
Conc: 0.34 ng/ml



#12 4,4'-DDE

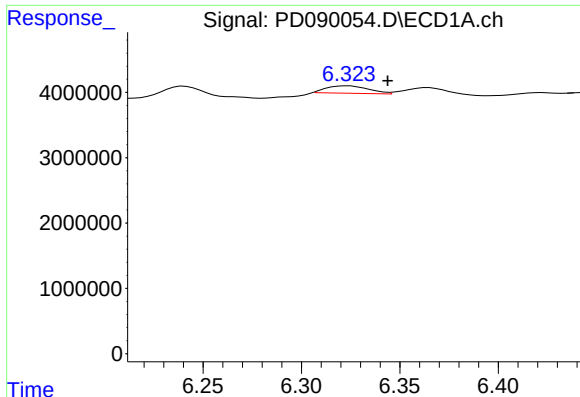
R.T.: 6.192 min  
Delta R.T.: 0.000 min  
Response: 372843  
Conc: 0.08 ng/ml



#12 4,4'-DDE

R.T.: 5.389 min  
Delta R.T.: 0.020 min  
Response: 3487831  
Conc: 0.12 ng/ml

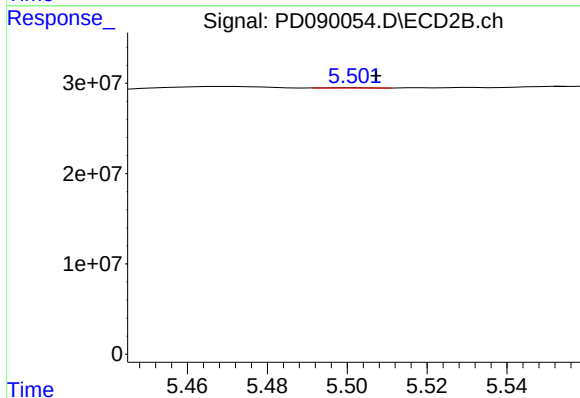




#13 Dieldrin

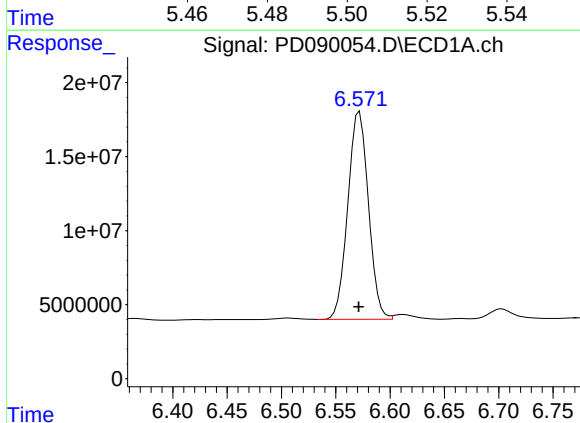
R.T.: 6.324 min  
Delta R.T.: -0.020 min  
Response: 1681921  
Conc: 0.34 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



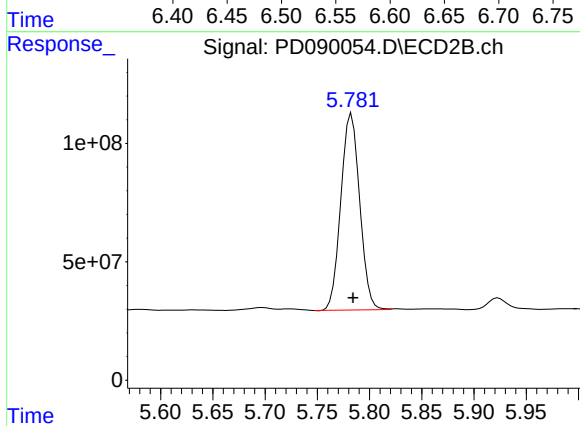
#13 Dieldrin

R.T.: 5.502 min  
Delta R.T.: -0.005 min  
Response: 170072  
Conc: 0.01 ng/ml



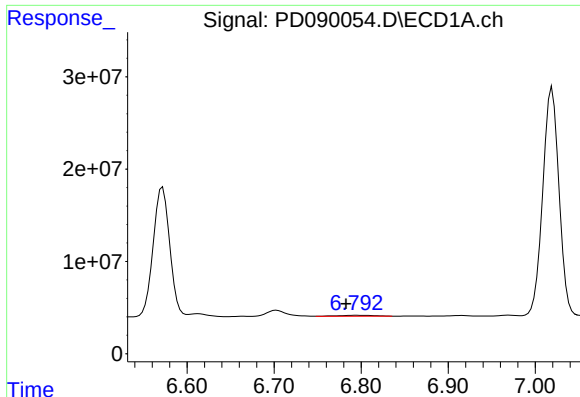
#14 Endrin

R.T.: 6.572 min  
Delta R.T.: 0.000 min  
Response: 185676744  
Conc: 44.81 ng/ml



#14 Endrin

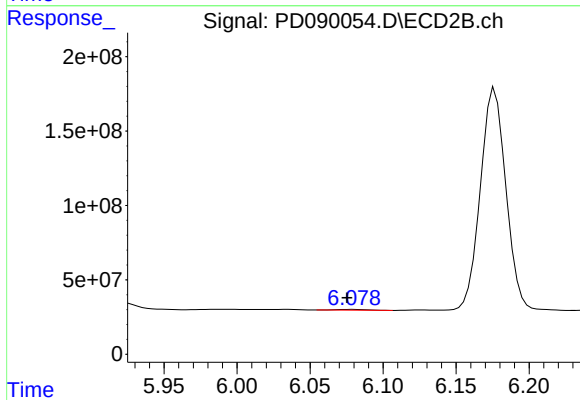
R.T.: 5.783 min  
Delta R.T.: -0.002 min  
Response: 1040461337  
Conc: 39.07 ng/ml



#15 Endosulfan II

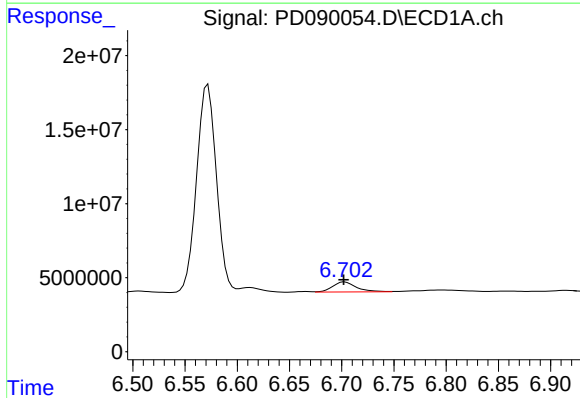
R.T.: 6.795 min  
Delta R.T.: 0.012 min  
Response: 2999935  
Conc: 0.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



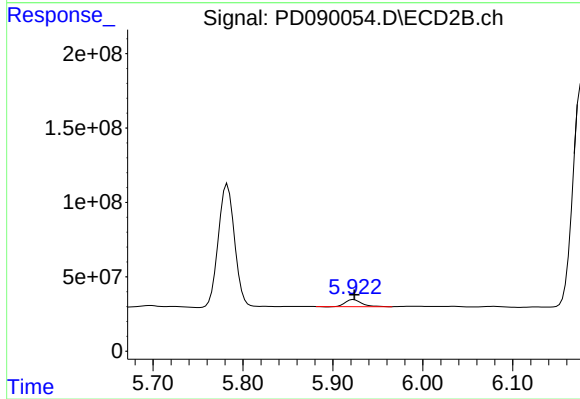
#15 Endosulfan II

R.T.: 6.079 min  
Delta R.T.: 0.004 min  
Response: 8186210  
Conc: 0.32 ng/ml



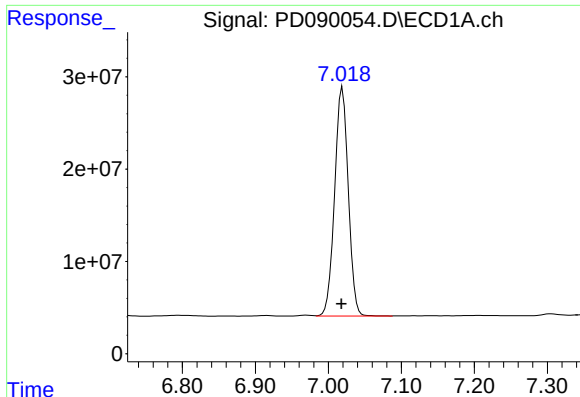
#16 4,4'-DDD

R.T.: 6.703 min  
Delta R.T.: 0.000 min  
Response: 10542708  
Conc: 3.05 ng/ml



#16 4,4'-DDD

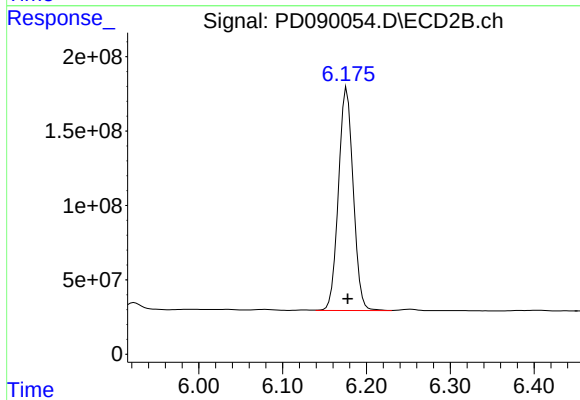
R.T.: 5.923 min  
Delta R.T.: 0.000 min  
Response: 58558822  
Conc: 2.44 ng/ml



#17 4,4'-DDT

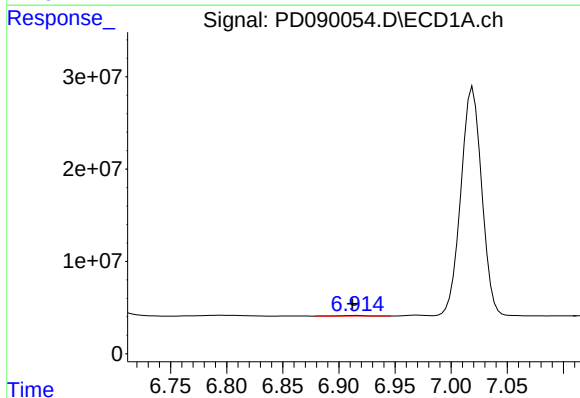
R.T.: 7.019 min  
Delta R.T.: 0.002 min  
Response: 321634595  
Conc: 84.42 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



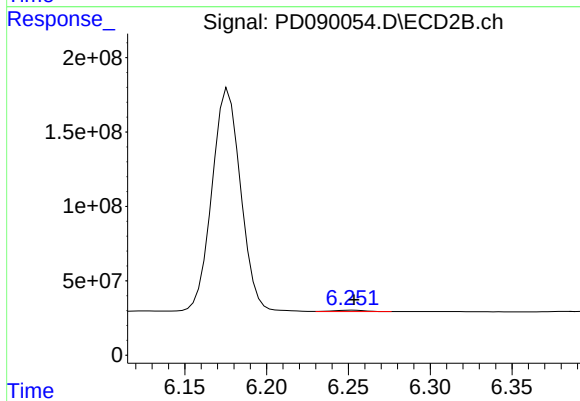
#17 4,4'-DDT

R.T.: 6.177 min  
Delta R.T.: 0.000 min  
Response: 1830002885  
Conc: 73.00 ng/ml



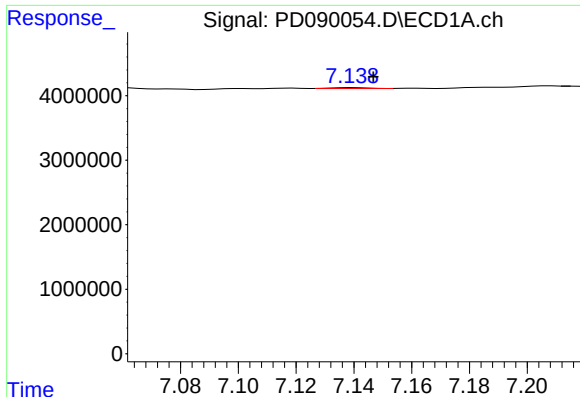
#18 Endrin aldehyde

R.T.: 6.916 min  
Delta R.T.: 0.004 min  
Response: 1003291  
Conc: 0.35 ng/ml



#18 Endrin aldehyde

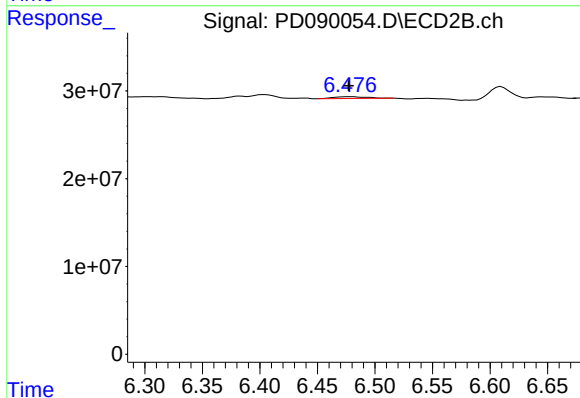
R.T.: 6.252 min  
Delta R.T.: -0.001 min  
Response: 11840952  
Conc: 0.69 ng/ml



#19 Endosulfan Sulfate

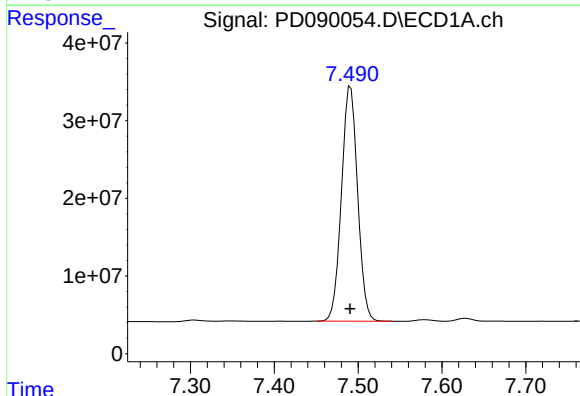
R.T.: 7.140 min  
Delta R.T.: -0.007 min  
Response: 127931  
Conc: 0.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



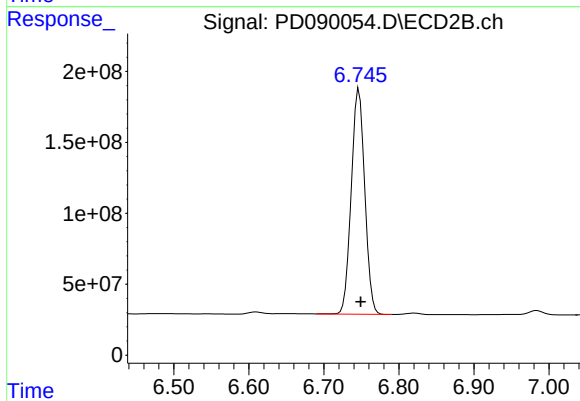
#19 Endosulfan Sulfate

R.T.: 6.478 min  
Delta R.T.: 0.000 min  
Response: 3921537  
Conc: 0.16 ng/ml



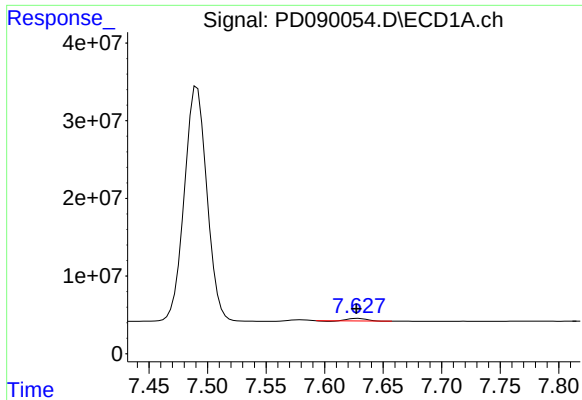
#20 Methoxychlor

R.T.: 7.491 min  
Delta R.T.: 0.000 min  
Response: 404607598  
Conc: 201.74 ng/ml



#20 Methoxychlor

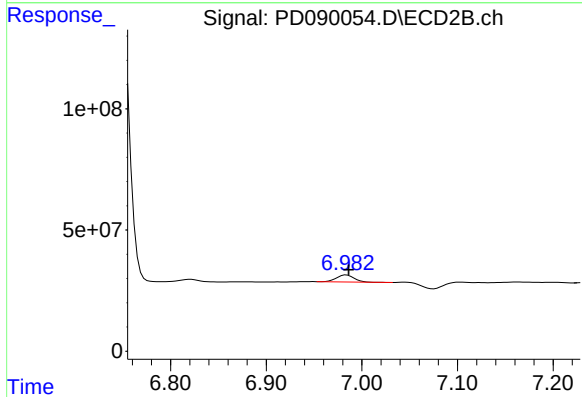
R.T.: 6.747 min  
Delta R.T.: -0.002 min  
Response: 1987287044  
Conc: 154.10 ng/ml



#21 Endrin ketone

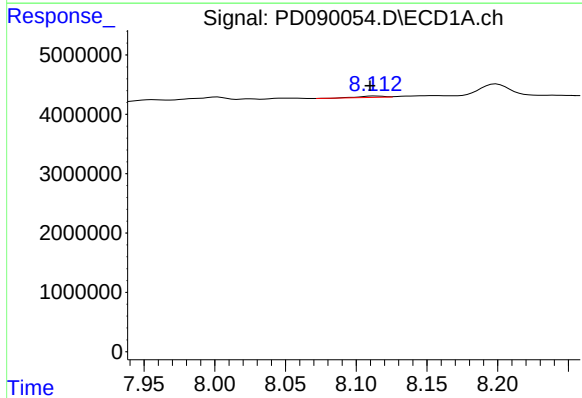
R.T.: 7.628 min  
Delta R.T.: 0.001 min  
Response: 3336105  
Conc: 0.80 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



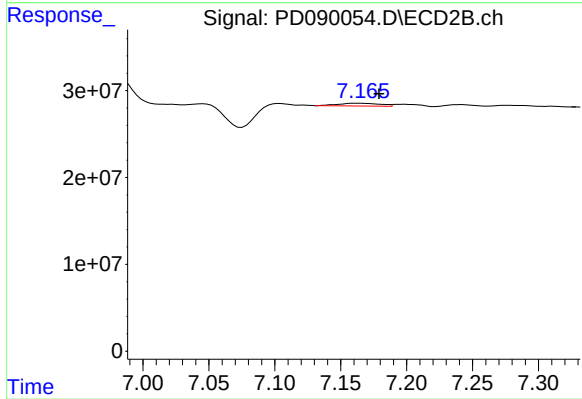
#21 Endrin ketone

R.T.: 6.984 min  
Delta R.T.: -0.002 min  
Response: 36778207  
Conc: 1.38 ng/ml



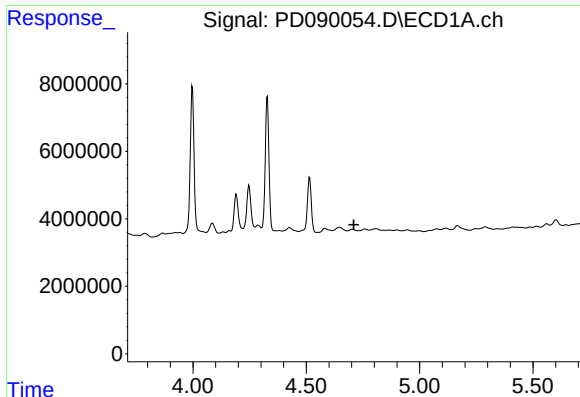
#22 Mirex

R.T.: 8.114 min  
Delta R.T.: 0.004 min  
Response: 252971  
Conc: 0.08 ng/ml



#22 Mirex

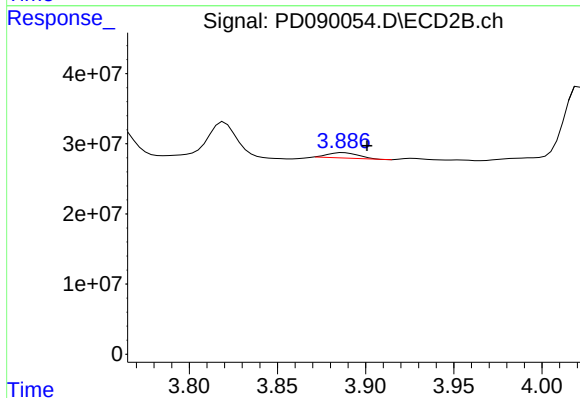
R.T.: 7.164 min  
Delta R.T.: -0.015 min  
Response: 7004863  
Conc: 0.34 ng/ml



#23 Chlordane-1

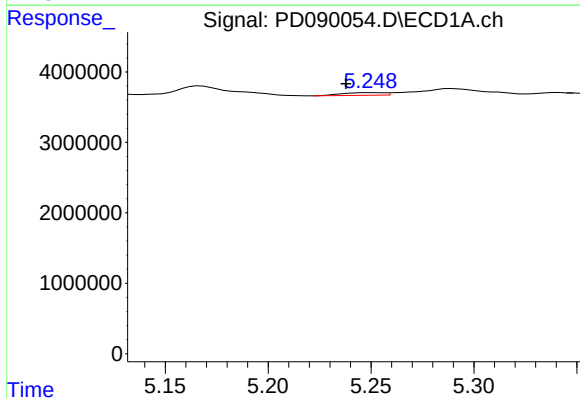
R.T.: 4.704 min  
Delta R.T.: -0.005 min  
Response: -69281  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



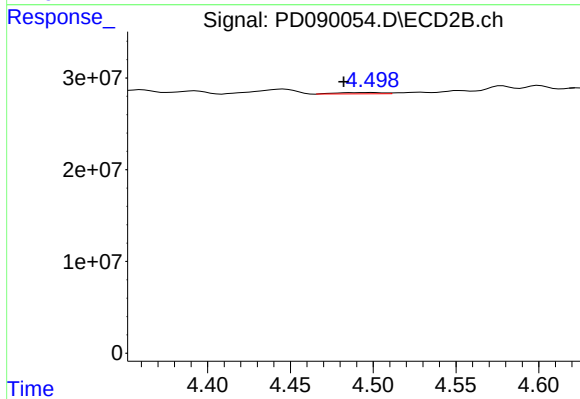
#23 Chlordane-1

R.T.: 3.887 min  
Delta R.T.: -0.013 min  
Response: 9311091  
Conc: 10.47 ng/ml



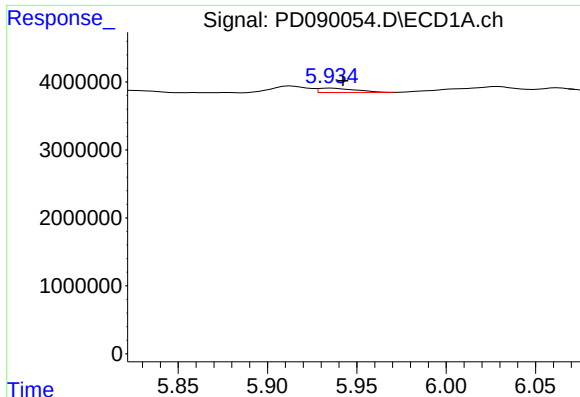
#24 Chlordane-2

R.T.: 5.250 min  
Delta R.T.: 0.012 min  
Response: 542761  
Conc: 3.08 ng/ml



#24 Chlordane-2

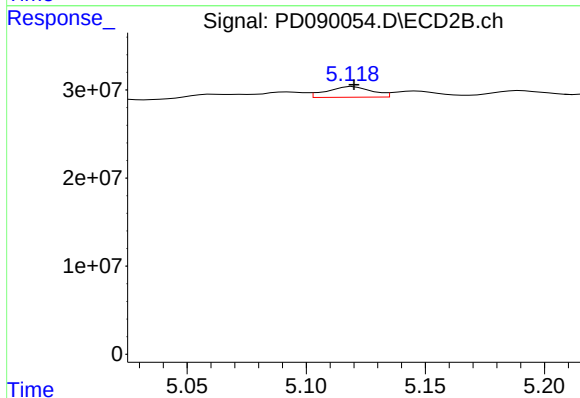
R.T.: 4.499 min  
Delta R.T.: 0.017 min  
Response: 2698643  
Conc: 2.82 ng/ml



#25 Chlordane-3

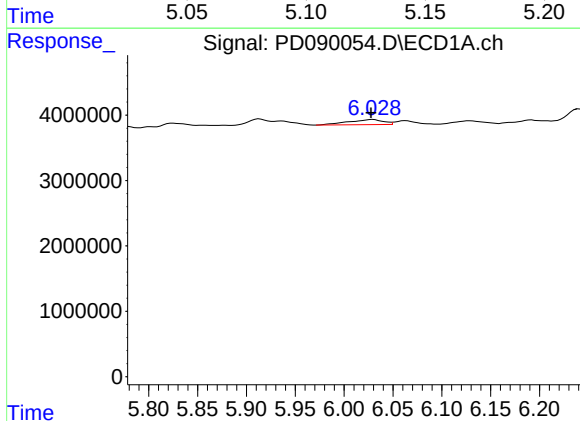
R.T.: 5.936 min  
Delta R.T.: -0.007 min  
Response: 929101  
Conc: 1.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



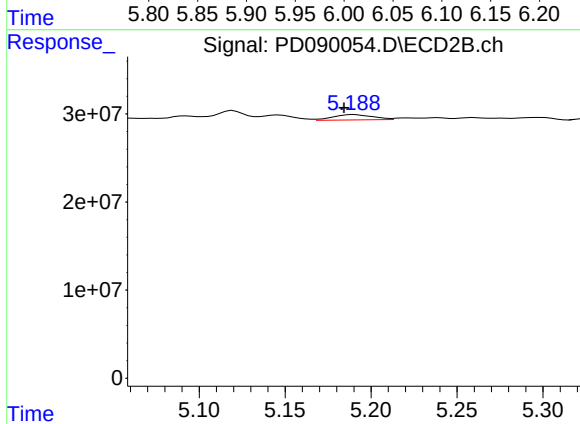
#25 Chlordane-3

R.T.: 5.120 min  
Delta R.T.: 0.000 min  
Response: 15731257  
Conc: 5.68 ng/ml



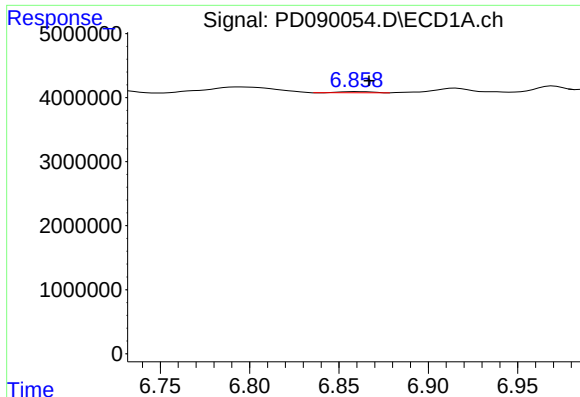
#26 Chlordane-4

R.T.: 6.029 min  
Delta R.T.: 0.002 min  
Response: 1972369  
Conc: 2.38 ng/ml



#26 Chlordane-4

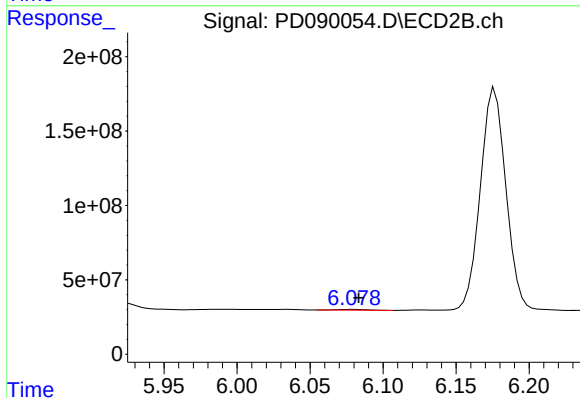
R.T.: 5.190 min  
Delta R.T.: 0.006 min  
Response: 9768127  
Conc: 4.06 ng/ml



#27 Chlordane-5

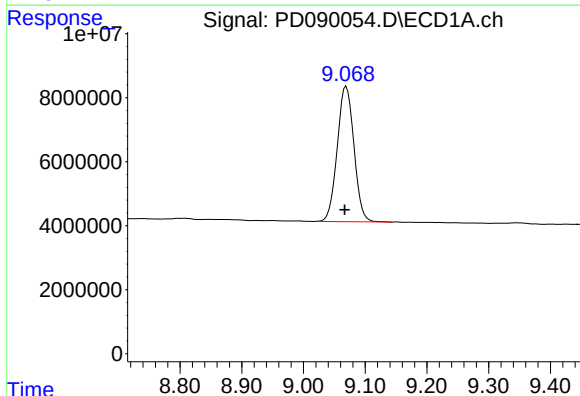
R.T.: 6.860 min  
Delta R.T.: -0.007 min  
Response: 204323  
Conc: 1.46 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



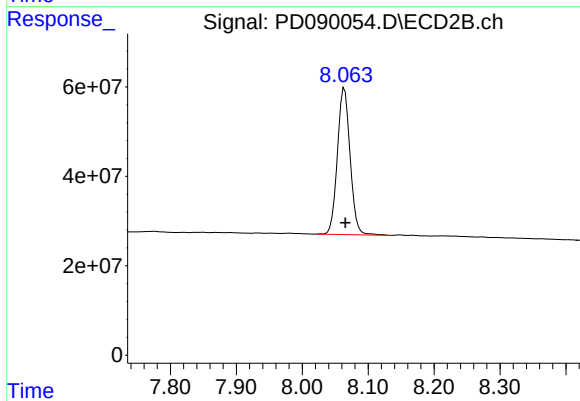
#27 Chlordane-5

R.T.: 6.079 min  
Delta R.T.: -0.004 min  
Response: 8186210  
Conc: 7.44 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min  
Delta R.T.: 0.002 min  
Response: 79639793  
Conc: 18.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min  
Delta R.T.: -0.001 min  
Response: 440280042  
Conc: 17.01 ng/ml