

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111525\  
 Data File : PD091194.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 Nov 2025 20:15  
 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: Nov 15 04:48:07 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD111525.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Nov 15 04:46:13 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... | 3.544  | 2.874  | 67260764 | 709.4E6  | 19.504  | 19.367  |
| 2)                          | SA Decachlor... | 9.064  | 8.059  | 100.5E6  | 776.5E6  | 20.172  | 19.621  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.993  | 3.385  | 65992882 | 592.9E6  | 8.254   | 9.381   |
| 3)                          | MA gamma-BHC... | 4.324  | 3.721  | 63139958 | 546.9E6  | 8.449   | 9.458   |
| 4)                          | MA Heptachlor   | 4.919  | 4.068  | 470987   | 1412078  | 0.066   | 0.026 # |
| 5)                          | MB Aldrin       | 5.251  | 4.367  | 213531   | 6110819  | 0.029   | 0.108 # |
| 6)                          | B beta-BHC      | 4.511  | 4.018  | 26858838 | 229.1E6  | 9.244   | 9.533   |
| 7)                          | B delta-BHC     | 4.771  | 4.249  | 4342400  | 470834   | 0.584   | 0.008 # |
| 8)                          | B Heptachlo...  | 0.000  | 4.859  | 0        | 2186052  | N.D.    | 0.043 # |
| 9)                          | A Endosulfan I  | 6.060  | 5.207f | 575453   | 13854395 | 0.094   | 0.290 # |
| 10)                         | B gamma-Chl...  | 5.907f | 5.116  | 747738   | 19173619 | 0.115   | 0.351 # |
| 11)                         | B alpha-Chl...  | 5.994f | 5.170  | 9542492  | 7422199  | 1.386   | 0.142 # |
| 12)                         | B 4,4'-DDE      | 6.188  | 5.365  | 1068437  | 15980681 | 0.184   | 0.299 # |
| 13)                         | MA Dieldrin     | 6.361f | 0.000  | 879148   | 0        | 0.136   | N.D. #  |
| 14)                         | MA Endrin       | 6.567  | 5.779  | 220.3E6  | 2053.8E6 | 44.393  | 45.446  |
| 15)                         | B Endosulfa...  | 6.764f | 6.075  | 3861554  | 13969579 | 0.695   | 0.299 # |
| 16)                         | A 4,4'-DDD      | 6.698  | 5.918  | 35888124 | 390.5E6  | 7.307   | 7.992   |
| 17)                         | MA 4,4'-DDT     | 7.015  | 6.172  | 365.1E6  | 3496.0E6 | 88.288  | 89.338  |
| 18)                         | B Endrin al...  | 6.909  | 6.247  | 6332971  | 64392799 | 1.520   | 1.825   |
| 19)                         | B Endosulfa...  | 7.113f | 6.488f | 447716   | 454774   | 0.087   | 0.010 # |
| 20)                         | A Methoxychlor  | 7.487  | 6.742  | 450.2E6  | 3742.1E6 | 207.044 | 186.626 |
| 21)                         | B Endrin ke...  | 7.624  | 6.980  | 17711353 | 182.8E6  | 3.144   | 3.587   |
| 22)                         | Mirex           | 0.000  | 7.166  | 0        | 10688584 | N.D.    | 0.323 # |
| 23)                         | Chlordane-1     | 0.000  | 3.859f | 0        | 501628   | N.D.    | 0.292 # |
| 24)                         | Chlordane-2     | 5.251  | 4.476  | 213531   | 2790410  | 0.865   | 1.594 # |
| 25)                         | Chlordane-3     | 0.000  | 5.116  | 0        | 19173619 | N.D.    | 3.332 # |
| 26)                         | Chlordane-4     | 5.994f | 5.170  | 9542492  | 7422199  | 7.944   | 1.552 # |
| 27)                         | Chlordane-5     | 0.000  | 6.075  | 0        | 13969579 | N.D.    | 6.884 # |
| -----                       |                 |        |        |          |          |         |         |

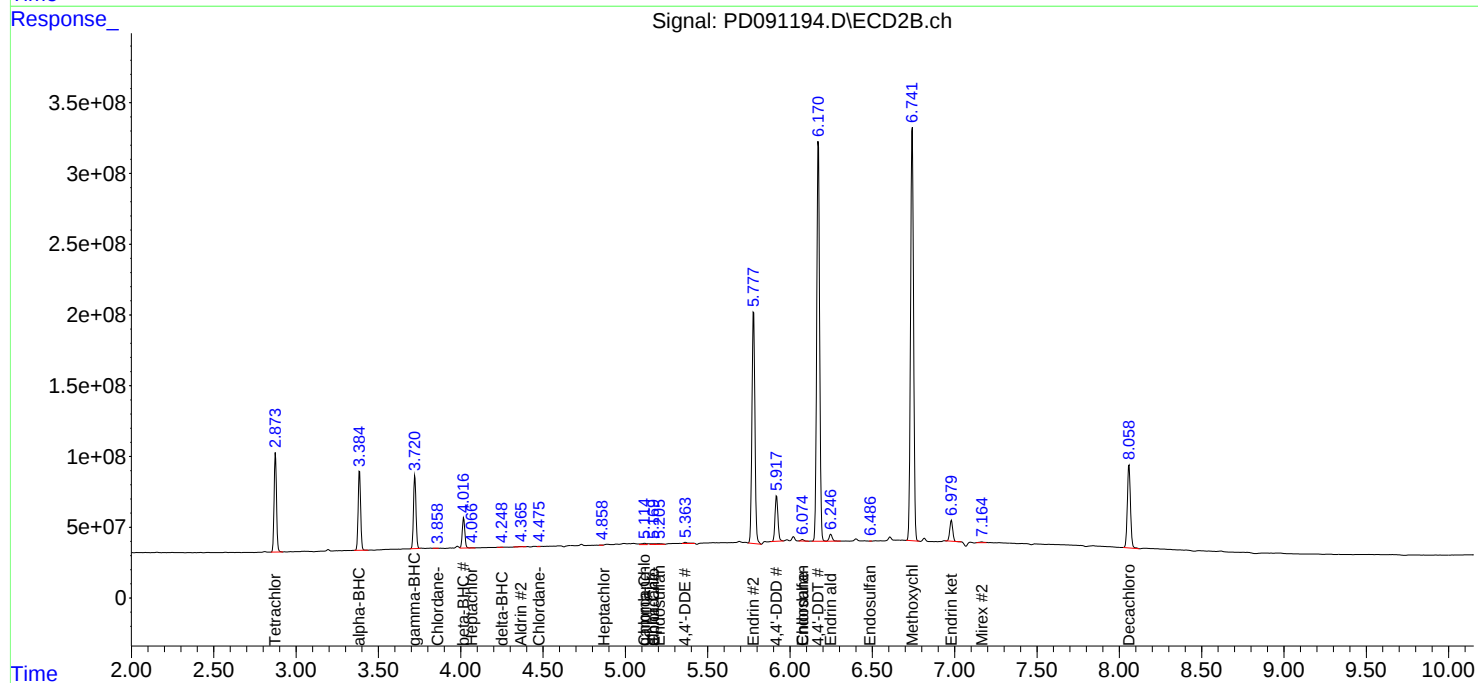
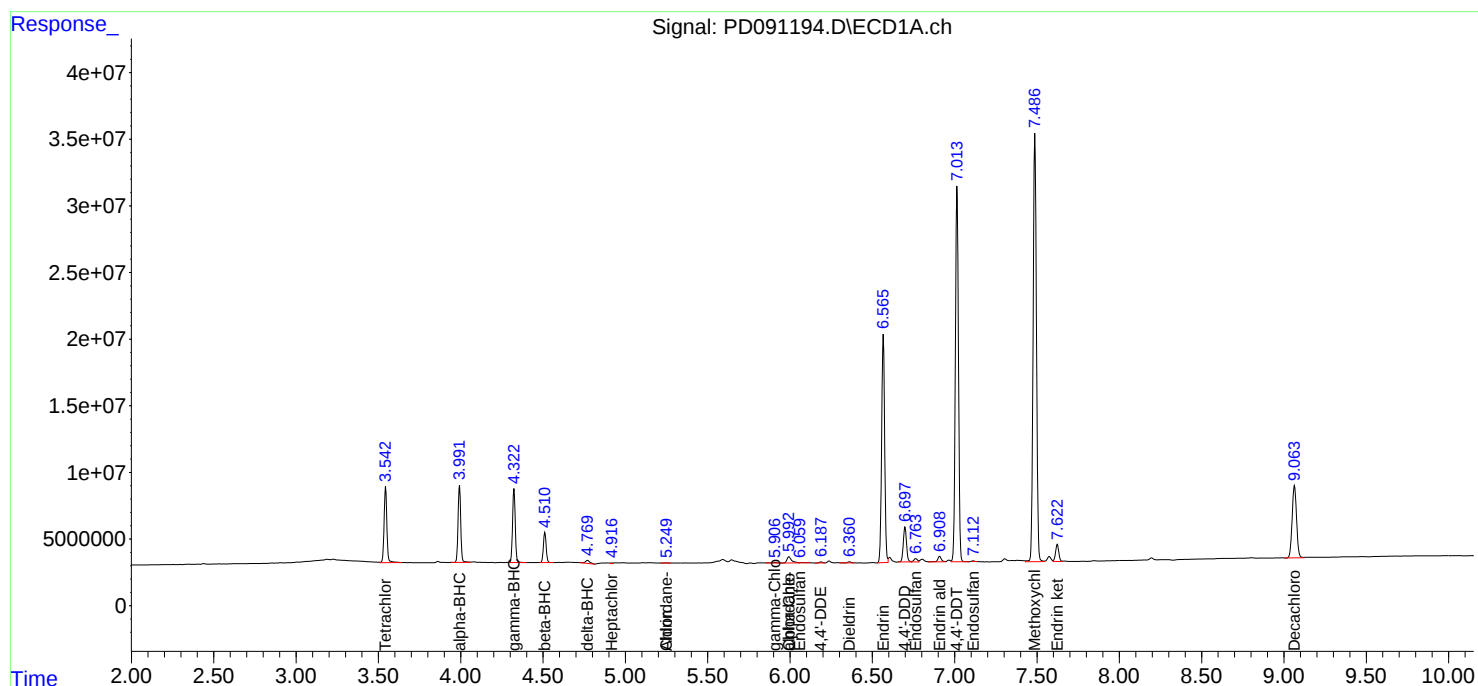
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

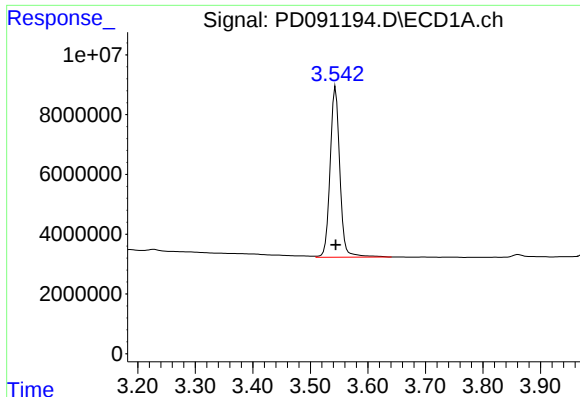
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111525\  
Data File : PD091194.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 Nov 2025 20:15  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 15 04:48:07 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD111525.M  
Quant Title : GC Extractables  
QLast Update : Sat Nov 15 04:46:13 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

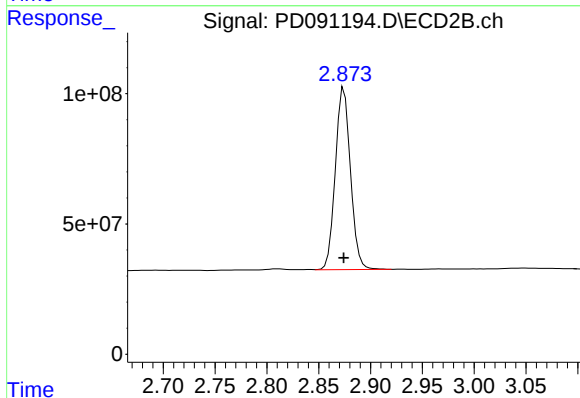




#1 Tetrachloro-m-xylene

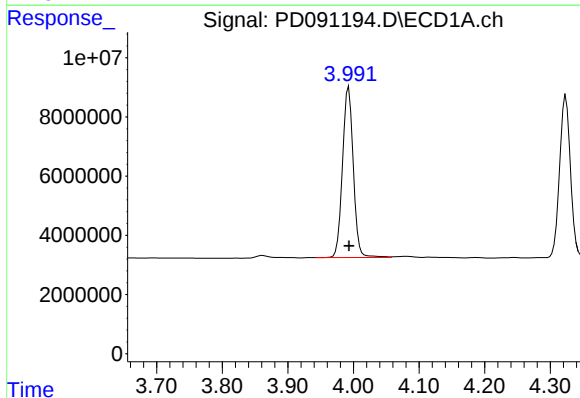
R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 67260764  
Conc: 19.50 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



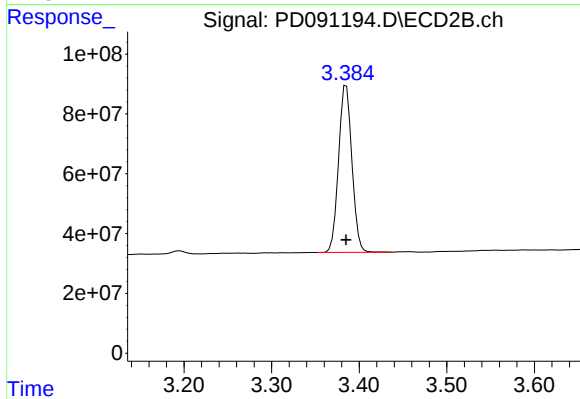
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 709407359  
Conc: 19.37 ng/ml



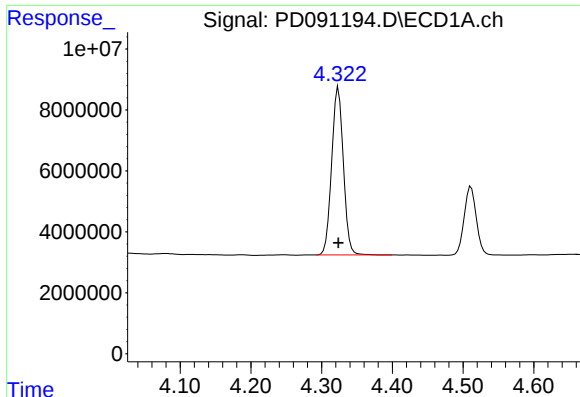
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 65992882  
Conc: 8.25 ng/ml



#2 alpha-BHC

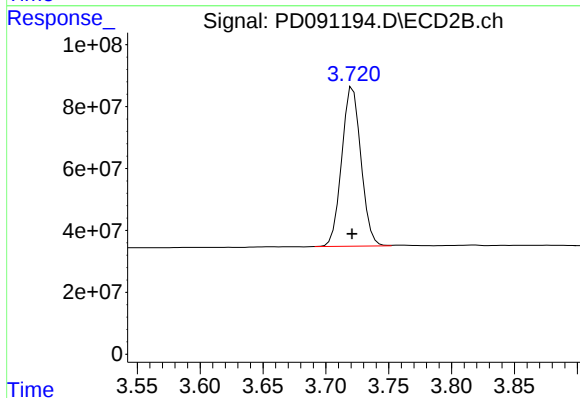
R.T.: 3.385 min  
Delta R.T.: 0.000 min  
Response: 592928129  
Conc: 9.38 ng/ml



#3 gamma-BHC (Lindane)

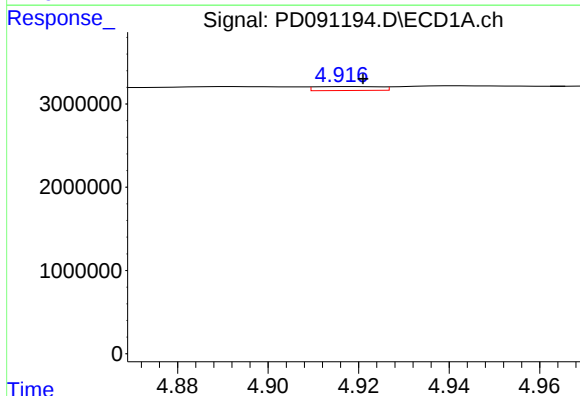
R.T.: 4.324 min  
Delta R.T.: 0.000 min  
Response: 63139958  
Conc: 8.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



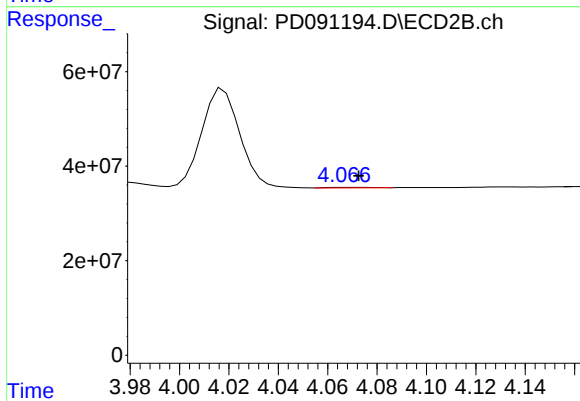
#3 gamma-BHC (Lindane)

R.T.: 3.721 min  
Delta R.T.: 0.000 min  
Response: 546850703  
Conc: 9.46 ng/ml



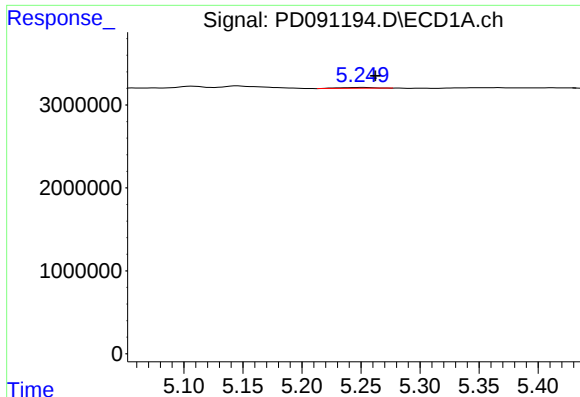
#4 Heptachlor

R.T.: 4.919 min  
Delta R.T.: -0.002 min  
Response: 470987  
Conc: 0.07 ng/ml



#4 Heptachlor

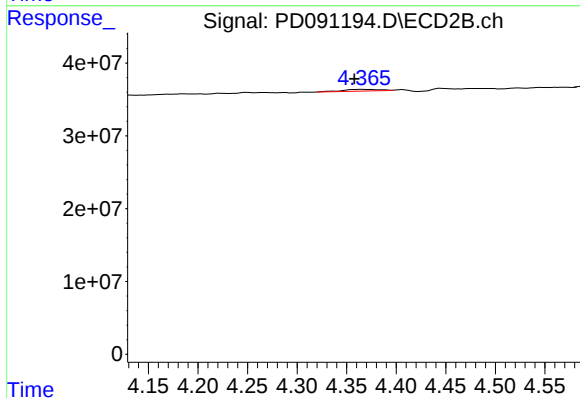
R.T.: 4.068 min  
Delta R.T.: -0.005 min  
Response: 1412078  
Conc: 0.03 ng/ml



#5 Aldrin

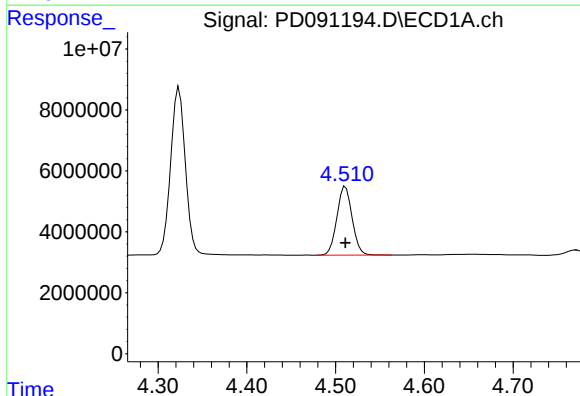
R.T.: 5.251 min  
Delta R.T.: -0.012 min  
Response: 213531  
Conc: 0.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



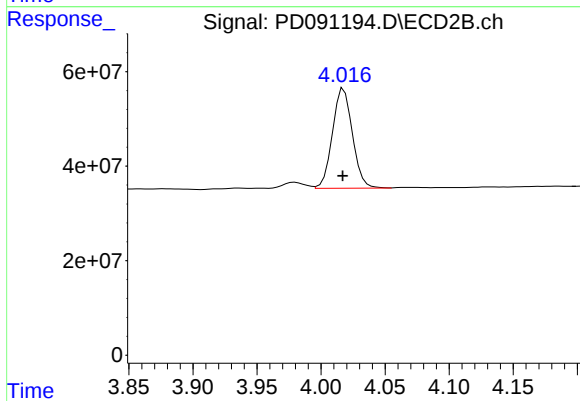
#5 Aldrin

R.T.: 4.367 min  
Delta R.T.: 0.009 min  
Response: 6110819  
Conc: 0.11 ng/ml



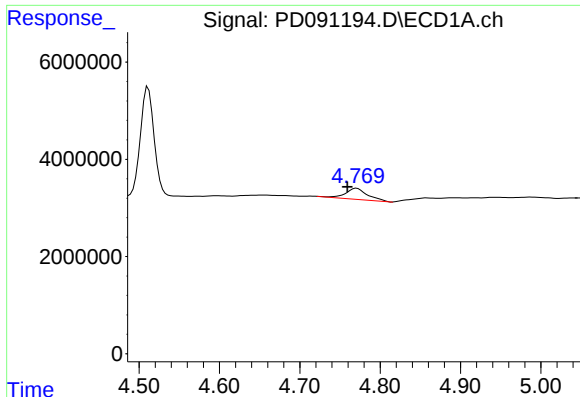
#6 beta-BHC

R.T.: 4.511 min  
Delta R.T.: 0.000 min  
Response: 26858838  
Conc: 9.24 ng/ml



#6 beta-BHC

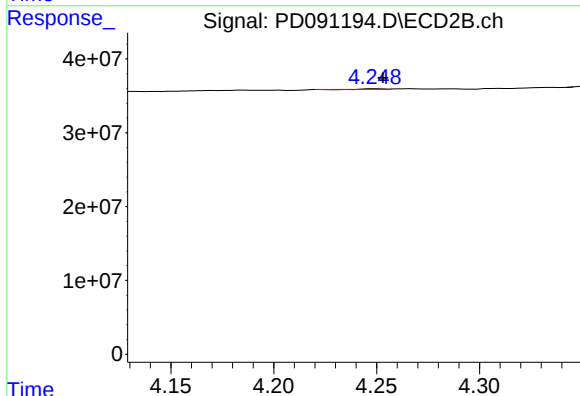
R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 229059675  
Conc: 9.53 ng/ml



#7 delta-BHC

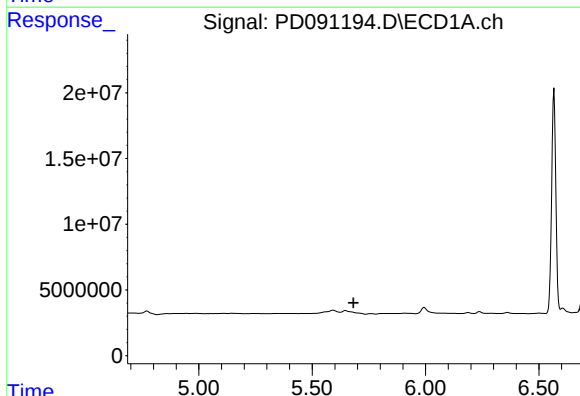
R.T.: 4.771 min  
Delta R.T.: 0.012 min  
Response: 4342400  
Conc: 0.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



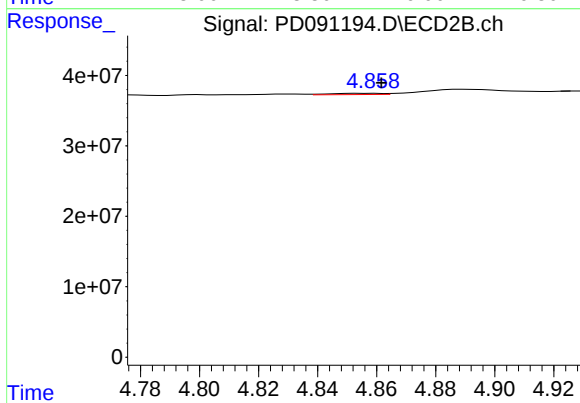
#7 delta-BHC

R.T.: 4.249 min  
Delta R.T.: -0.004 min  
Response: 470834  
Conc: 0.01 ng/ml



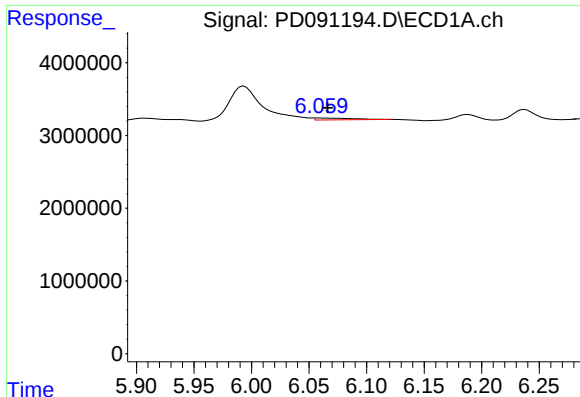
#8 Heptachlor epoxide

R.T.: 0.000 min  
Exp R.T. : 5.683 min  
Response: 0  
Conc: N.D.



#8 Heptachlor epoxide

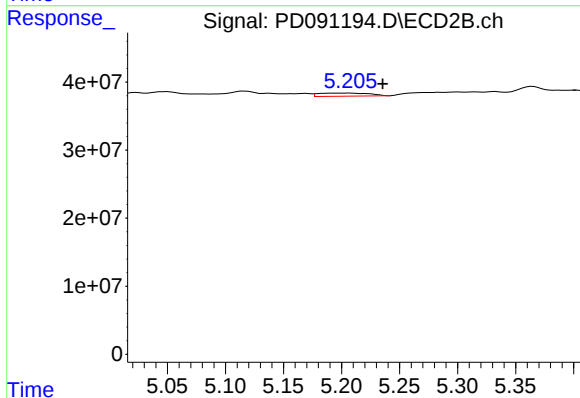
R.T.: 4.859 min  
Delta R.T.: -0.003 min  
Response: 2186052  
Conc: 0.04 ng/ml



#9 Endosulfan I

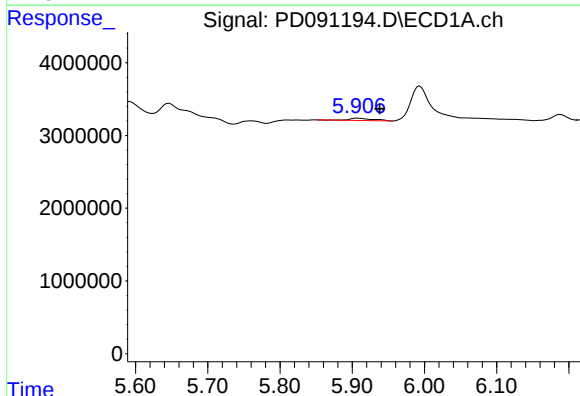
R.T.: 6.060 min  
Delta R.T.: -0.007 min  
Response: 575453  
Conc: 0.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



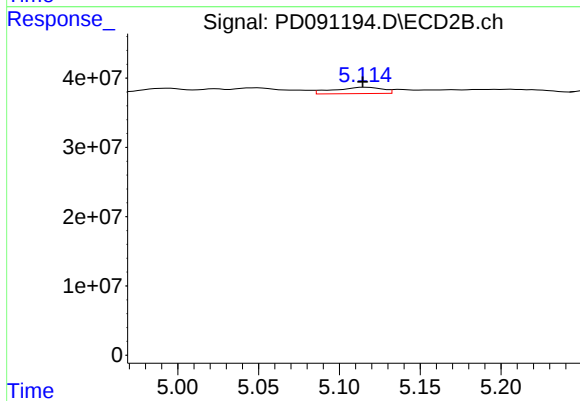
#9 Endosulfan I

R.T.: 5.207 min  
Delta R.T.: -0.029 min  
Response: 13854395  
Conc: 0.29 ng/ml



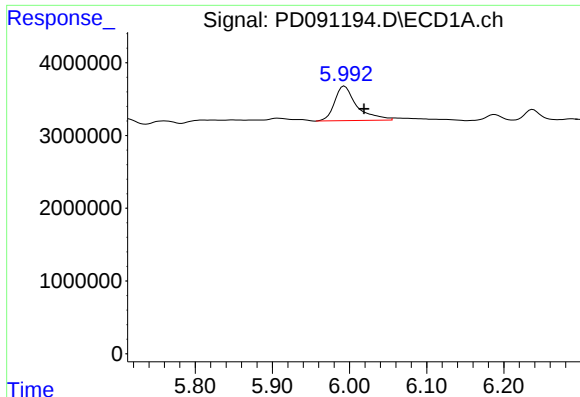
#10 gamma-Chlordane

R.T.: 5.907 min  
Delta R.T.: -0.031 min  
Response: 747738  
Conc: 0.12 ng/ml



#10 gamma-Chlordane

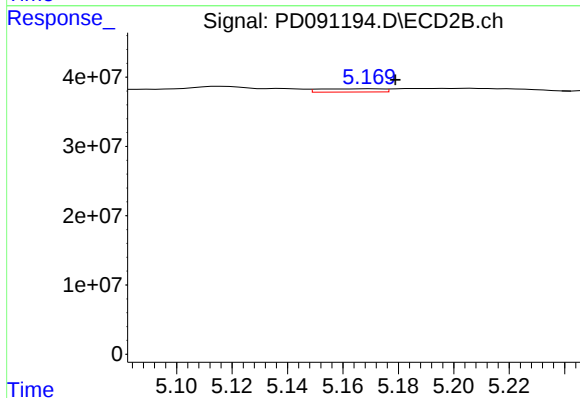
R.T.: 5.116 min  
Delta R.T.: 0.002 min  
Response: 19173619  
Conc: 0.35 ng/ml



#11 alpha-Chlordane

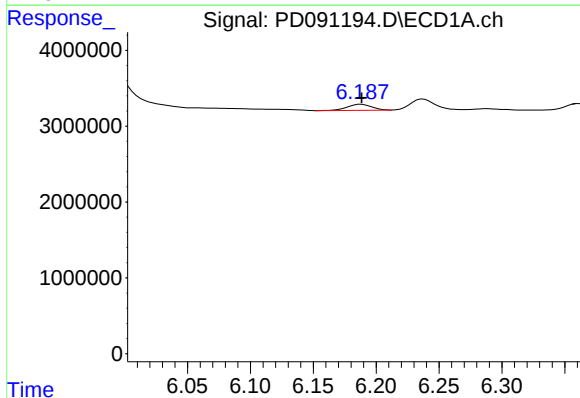
R.T.: 5.994 min  
Delta R.T.: -0.025 min  
Response: 9542492  
Conc: 1.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



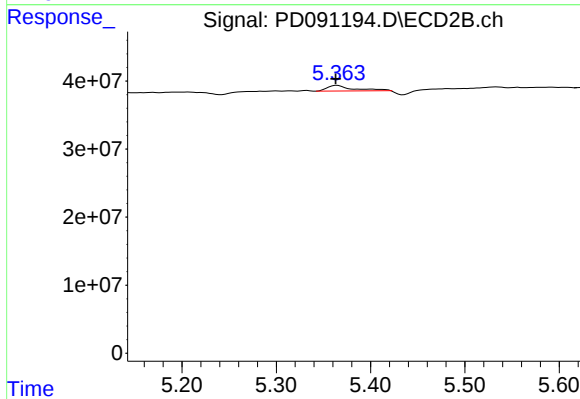
#11 alpha-Chlordane

R.T.: 5.170 min  
Delta R.T.: -0.009 min  
Response: 7422199  
Conc: 0.14 ng/ml



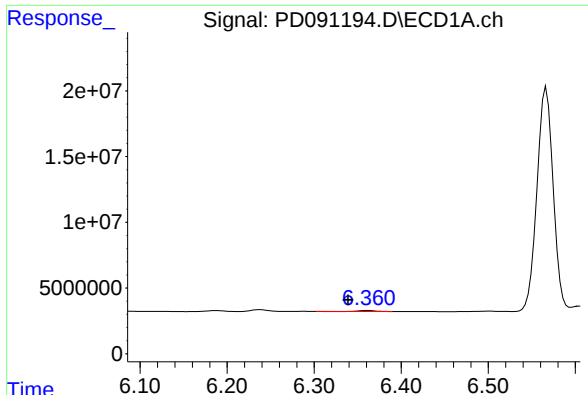
#12 4,4'-DDE

R.T.: 6.188 min  
Delta R.T.: 0.000 min  
Response: 1068437  
Conc: 0.18 ng/ml



#12 4,4'-DDE

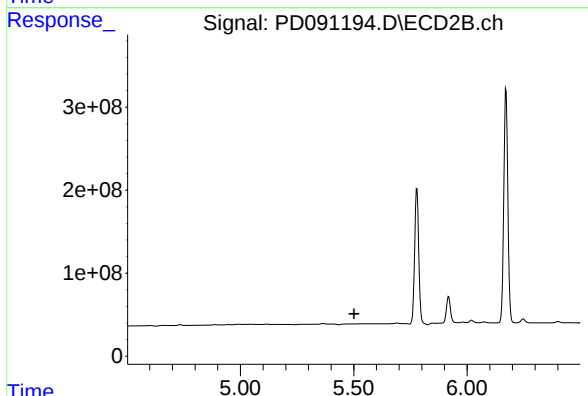
R.T.: 5.365 min  
Delta R.T.: 0.002 min  
Response: 15980681  
Conc: 0.30 ng/ml



#13 Dieldrin

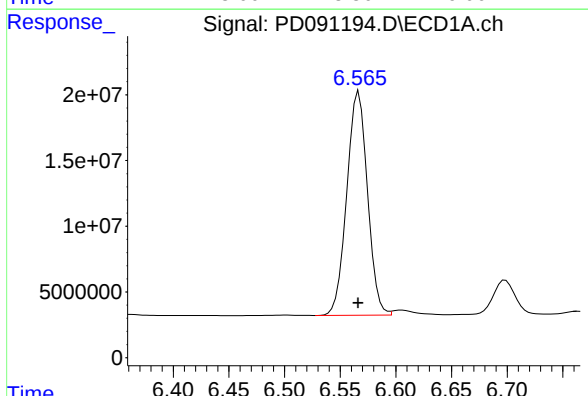
R.T.: 6.361 min  
Delta R.T.: 0.022 min  
Response: 879148  
Conc: 0.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



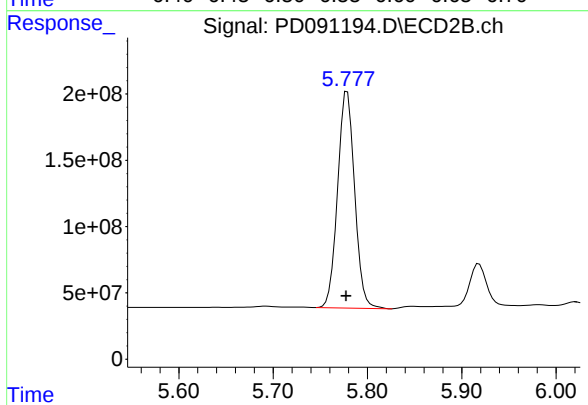
#13 Dieldrin

R.T.: 0.000 min  
Exp R.T. : 5.501 min  
Response: 0  
Conc: N.D.



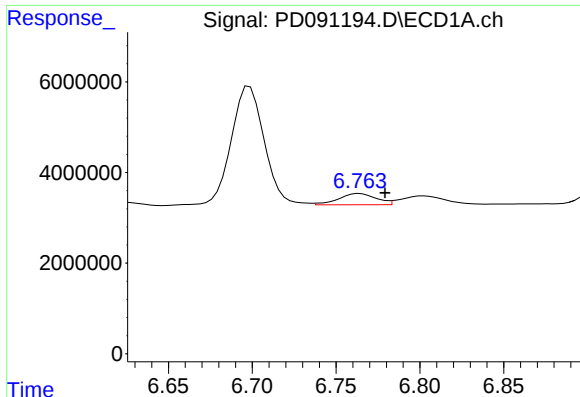
#14 Endrin

R.T.: 6.567 min  
Delta R.T.: 0.000 min  
Response: 220342338  
Conc: 44.39 ng/ml



#14 Endrin

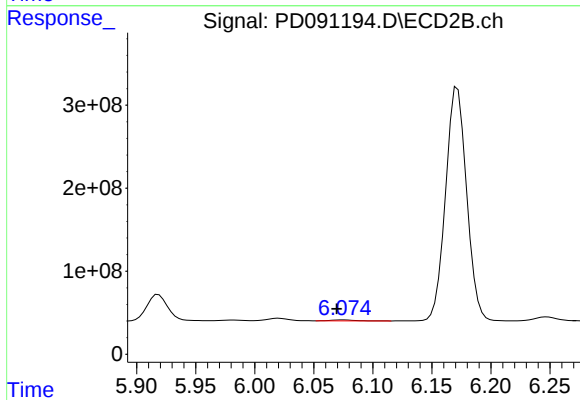
R.T.: 5.779 min  
Delta R.T.: 0.001 min  
Response: 2053826744  
Conc: 45.45 ng/ml



#15 Endosulfan II

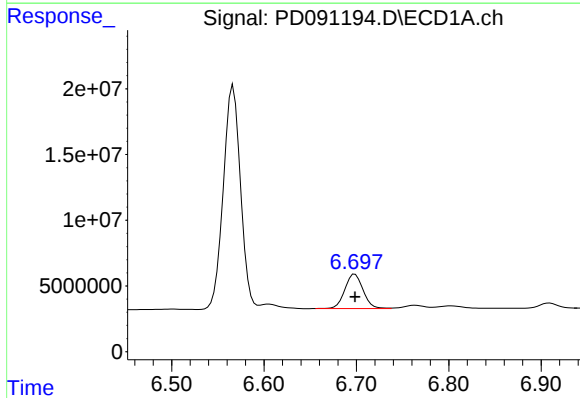
R.T.: 6.764 min  
Delta R.T.: -0.015 min  
Response: 3861554  
Conc: 0.69 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



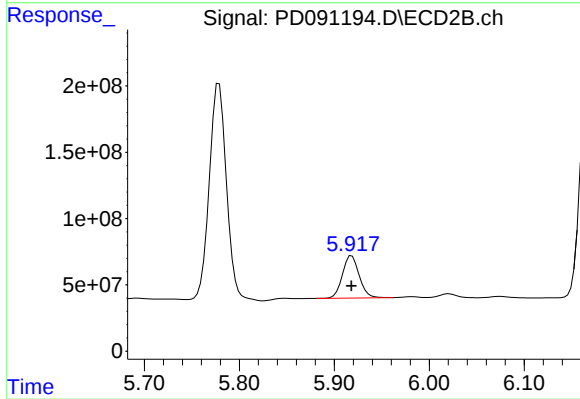
#15 Endosulfan II

R.T.: 6.075 min  
Delta R.T.: 0.006 min  
Response: 13969579  
Conc: 0.30 ng/ml



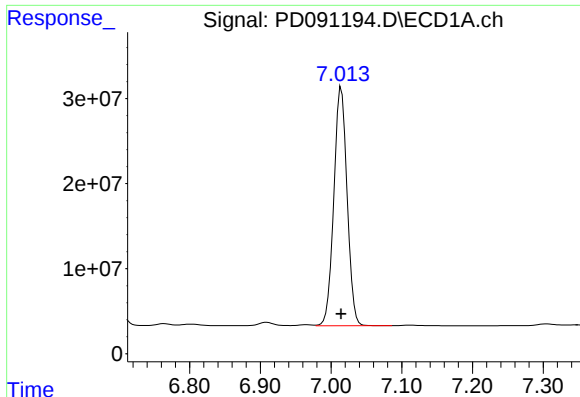
#16 4,4'-DDD

R.T.: 6.698 min  
Delta R.T.: 0.000 min  
Response: 35888124  
Conc: 7.31 ng/ml



#16 4,4'-DDD

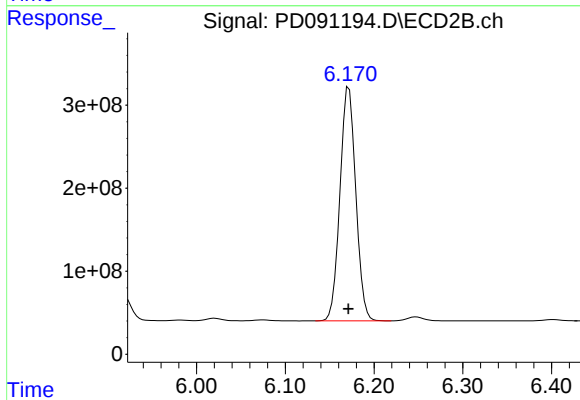
R.T.: 5.918 min  
Delta R.T.: 0.000 min  
Response: 390549515  
Conc: 7.99 ng/ml



#17 4,4'-DDT

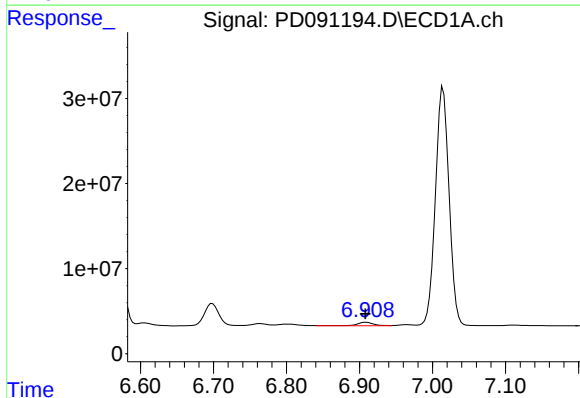
R.T.: 7.015 min  
Delta R.T.: 0.000 min  
Response: 365114983  
Conc: 88.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



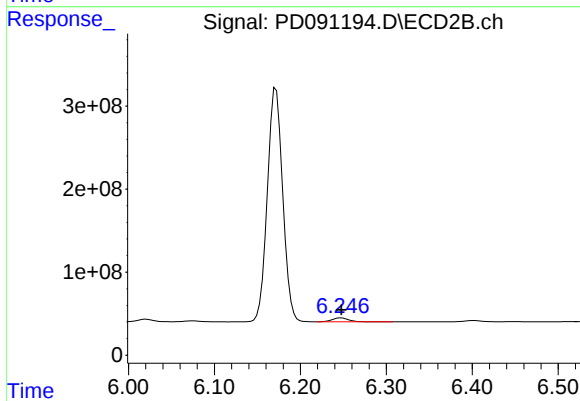
#17 4,4'-DDT

R.T.: 6.172 min  
Delta R.T.: 0.000 min  
Response: 3496021709  
Conc: 89.34 ng/ml



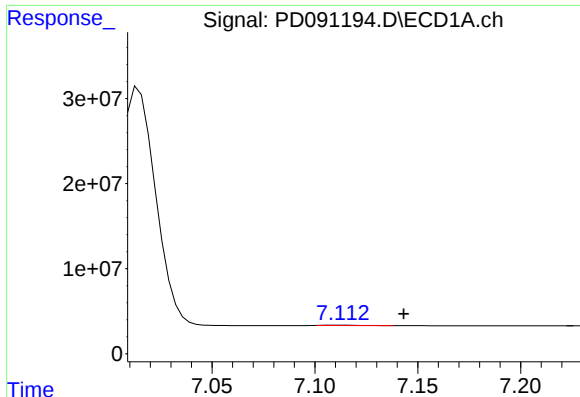
#18 Endrin aldehyde

R.T.: 6.909 min  
Delta R.T.: 0.000 min  
Response: 6332971  
Conc: 1.52 ng/ml



#18 Endrin aldehyde

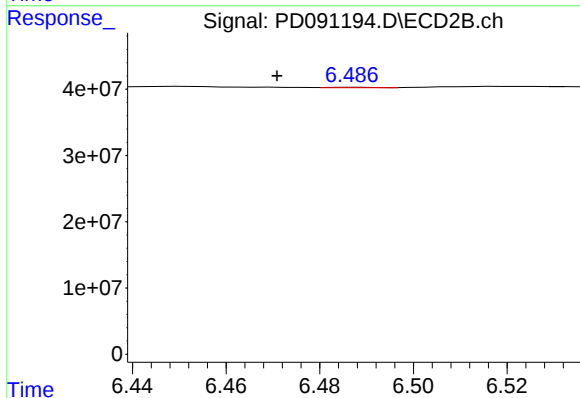
R.T.: 6.247 min  
Delta R.T.: 0.000 min  
Response: 64392799  
Conc: 1.82 ng/ml



#19 Endosulfan Sulfate

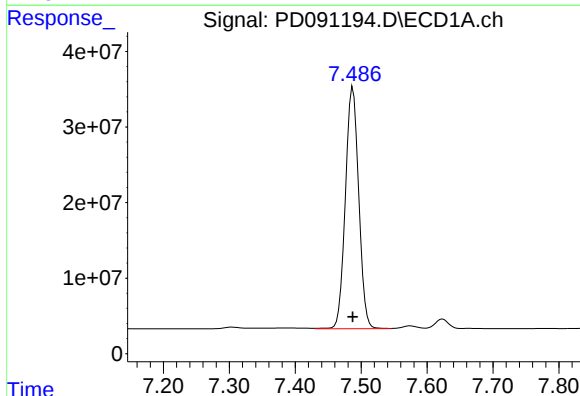
R.T.: 7.113 min  
Delta R.T.: -0.030 min  
Response: 447716  
Conc: 0.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



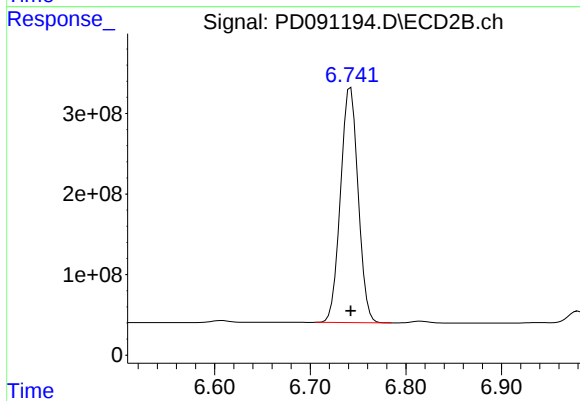
#19 Endosulfan Sulfate

R.T.: 6.488 min  
Delta R.T.: 0.017 min  
Response: 454774  
Conc: 0.01 ng/ml



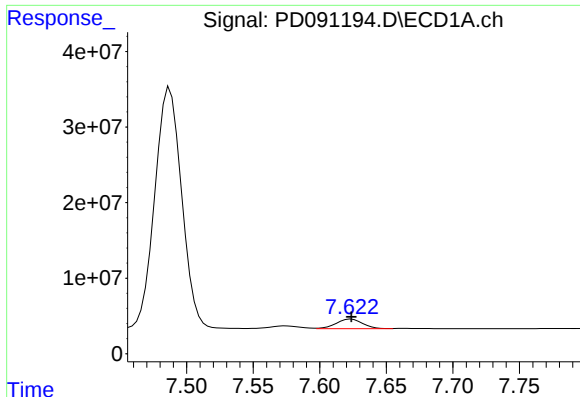
#20 Methoxychlor

R.T.: 7.487 min  
Delta R.T.: 0.000 min  
Response: 450182707  
Conc: 207.04 ng/ml



#20 Methoxychlor

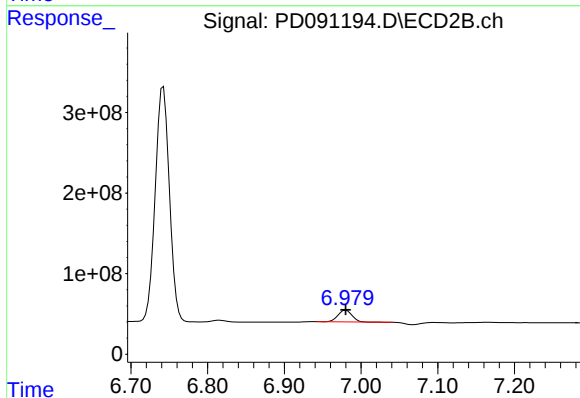
R.T.: 6.742 min  
Delta R.T.: 0.000 min  
Response: 3742126047  
Conc: 186.63 ng/ml



#21 Endrin ketone

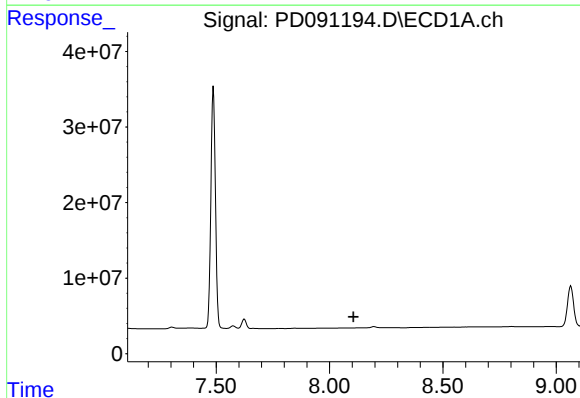
R.T.: 7.624 min  
Delta R.T.: 0.000 min  
Response: 17711353  
Conc: 3.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



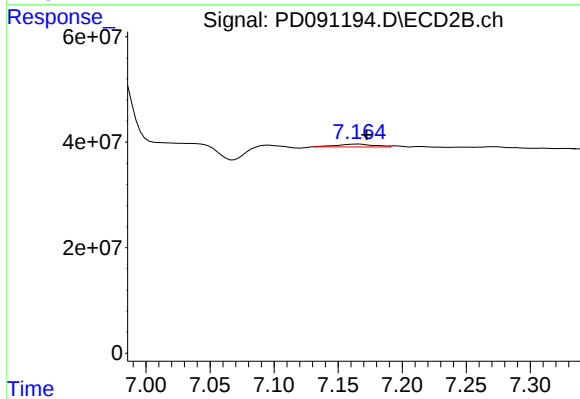
#21 Endrin ketone

R.T.: 6.980 min  
Delta R.T.: 0.000 min  
Response: 182756709  
Conc: 3.59 ng/ml



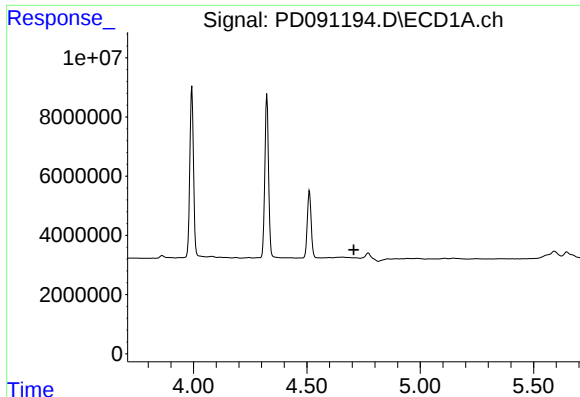
#22 Mirex

R.T.: 0.000 min  
Exp R.T. : 8.106 min  
Response: 0  
Conc: N.D.



#22 Mirex

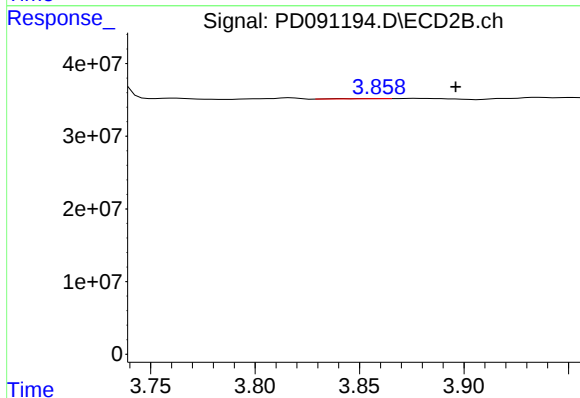
R.T.: 7.166 min  
Delta R.T.: -0.007 min  
Response: 10688584  
Conc: 0.32 ng/ml



#23 Chlordane-1

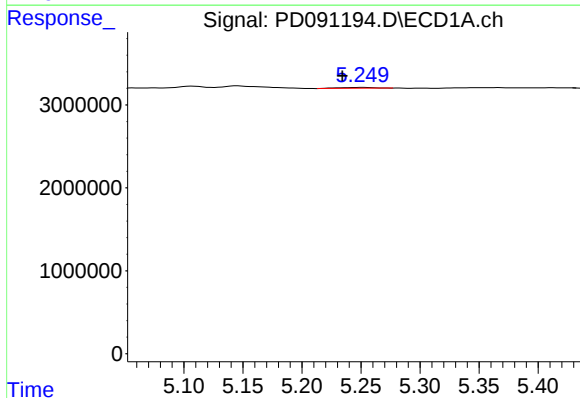
R.T.: 0.000 min  
Exp R.T.: 4.707 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



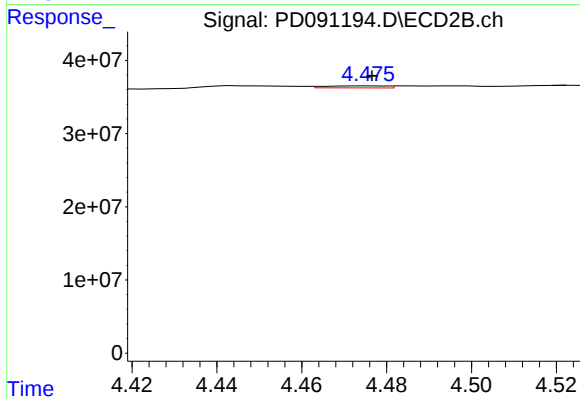
#23 Chlordane-1

R.T.: 3.859 min  
Delta R.T.: -0.037 min  
Response: 501628  
Conc: 0.29 ng/ml



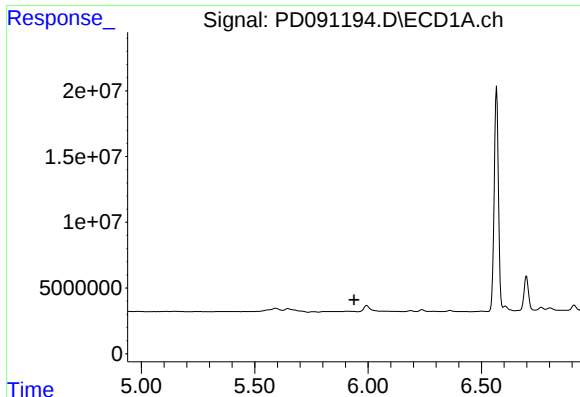
#24 Chlordane-2

R.T.: 5.251 min  
Delta R.T.: 0.017 min  
Response: 213531  
Conc: 0.86 ng/ml



#24 Chlordane-2

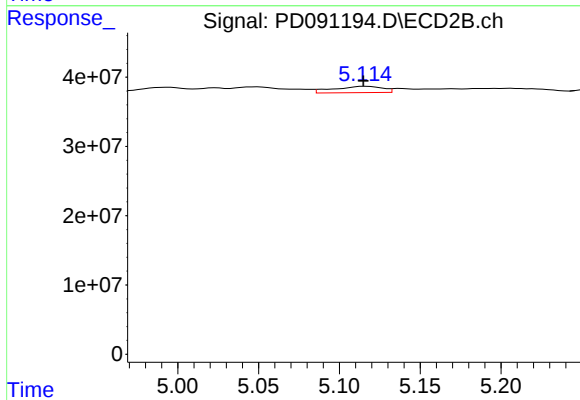
R.T.: 4.476 min  
Delta R.T.: 0.000 min  
Response: 2790410  
Conc: 1.59 ng/ml



#25 Chlordane-3

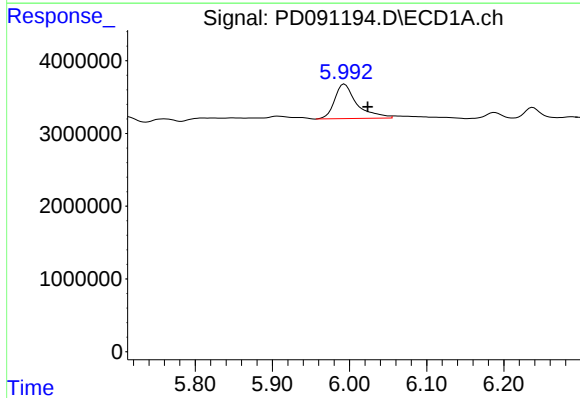
R.T.: 0.000 min  
Exp R.T.: 5.939 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



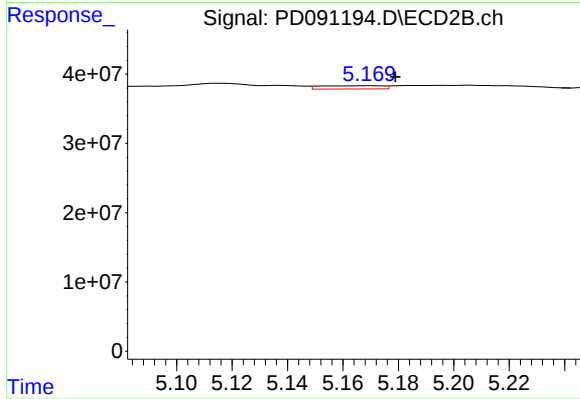
#25 Chlordane-3

R.T.: 5.116 min  
Delta R.T.: 0.001 min  
Response: 19173619  
Conc: 3.33 ng/ml



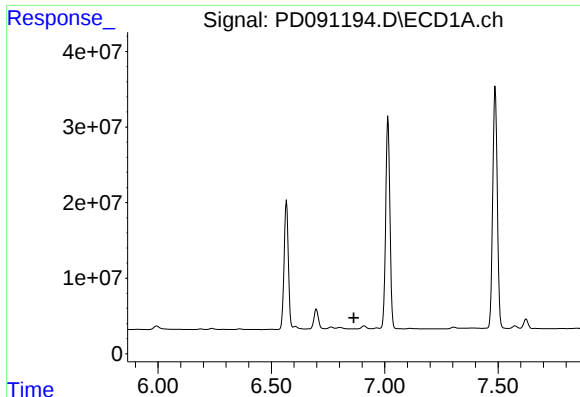
#26 Chlordane-4

R.T.: 5.994 min  
Delta R.T.: -0.030 min  
Response: 9542492  
Conc: 7.94 ng/ml



#26 Chlordane-4

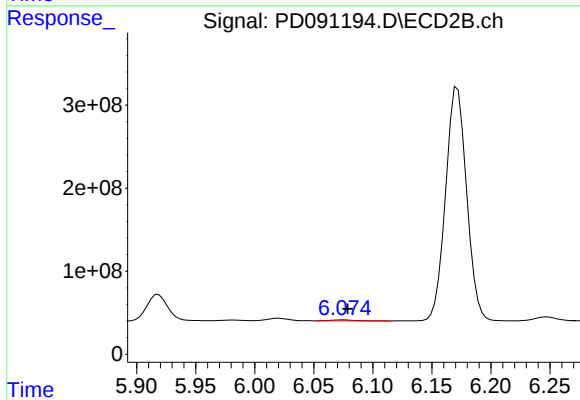
R.T.: 5.170 min  
Delta R.T.: -0.009 min  
Response: 7422199  
Conc: 1.55 ng/ml



#27 Chlordane-5

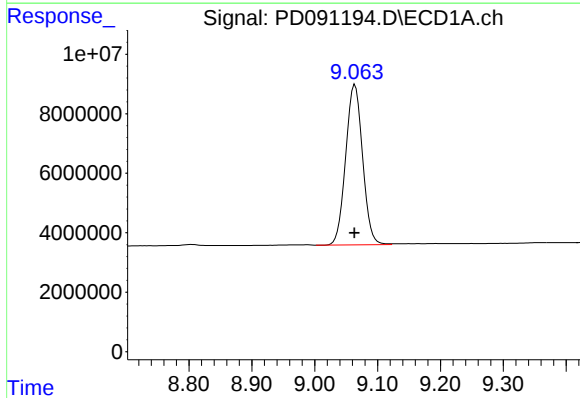
R.T.: 0.000 min  
Exp R.T.: 6.863 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



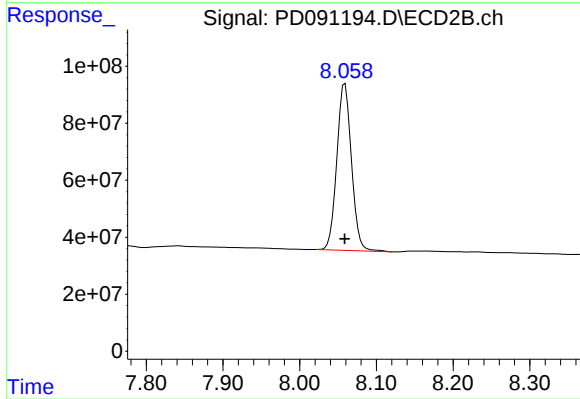
#27 Chlordane-5

R.T.: 6.075 min  
Delta R.T.: -0.004 min  
Response: 13969579  
Conc: 6.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min  
Delta R.T.: 0.000 min  
Response: 100495343  
Conc: 20.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min  
Delta R.T.: 0.000 min  
Response: 776505616  
Conc: 19.62 ng/ml