

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD042922\  
 Data File : PD069299.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Apr 2022 16:39  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 30 00:51:04 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD041622.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Apr 18 13:40:55 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... | 3.452 | 4.171  | 26528586 | 268.0E6  | 23.898  | 24.996  |
| 28)                         | SA Decachlor... | 8.210 | 9.370  | 29397120 | 160.0E6  | 23.543  | 24.450  |
| Target Compounds            |                 |       |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.891 | 4.567  | 18783116 | 200.9E6  | 11.511  | 13.028  |
| 3)                          | MA gamma-BHC... | 4.175 | 4.858  | 18095576 | 184.3E6  | 10.579  | 13.050  |
| 4)                          | MA Heptachlor   | 0.000 | 5.374  | 0        | 127944   | N.D.    | 0.009 # |
| 5)                          | MB Aldrin       | 4.721 | 5.702  | 241435   | 686627   | 0.166   | 0.052 # |
| 6)                          | B beta-BHC      | 4.427 | 5.021  | 9171333  | 86774166 | 13.192  | 14.124  |
| 7)                          | B delta-BHC     | 0.000 | 5.221f | 0        | 1836929  | N.D.    | 0.137 # |
| 8)                          | B Heptachlo...  | 0.000 | 6.071  | 0        | 9032777  | N.D.    | 0.763 # |
| 9)                          | A Endosulfan I  | 0.000 | 6.454  | 0        | 4598083  | N.D.    | 0.426 # |
| 10)                         | B gamma-Chl...  | 0.000 | 6.313  | 0        | 2860033  | N.D.    | 0.246 # |
| 11)                         | B alpha-Chl...  | 0.000 | 6.404  | 0        | 6641739  | N.D.    | 0.581 # |
| 12)                         | B 4,4'-DDE      | 5.617 | 6.549  | 814002   | 6332711  | 0.643   | 0.586   |
| 13)                         | MA Dieldrin     | 0.000 | 6.709  | 0        | 2107103  | N.D.    | 0.189 # |
| 14)                         | MA Endrin       | 6.006 | 6.929  | 75347756 | 569.8E6  | 62.319  | 62.825  |
| 15)                         | B Endosulfa...  | 6.283 | 7.132  | 476930   | 16209650 | 0.412   | 1.874 # |
| 16)                         | A 4,4'-DDD      | 6.134 | 7.040  | 3692833  | 43495440 | 3.388   | 5.050 # |
| 17)                         | MA 4,4'-DDT     | 6.375 | 7.343  | 136.4E6  | 975.2E6  | 126.854 | 112.432 |
| 18)                         | B Endrin al...  | 6.449 | 7.258  | 949921   | 9069647  | 1.029   | 1.312 # |
| 20)                         | A Methoxychlor  | 6.925 | 7.796  | 175.7E6  | 1120.9E6 | 276.525 | 260.007 |
| 21)                         | B Endrin ke...  | 7.156 | 7.958  | 3266948  | 24669669 | 2.320   | 2.728   |
| 22)                         | Mirex           | 0.000 | 8.427  | 0        | 207218   | N.D.    | 0.032 # |
| 23)                         | Chlordane-1     | 0.000 | 5.221f | 0        | 1836929  | N.D.    | 3.825 # |
| 24)                         | Chlordane-2     | 0.000 | 5.670  | 0        | 401370   | N.D.    | 0.874 # |
| 25)                         | Chlordane-3     | 0.000 | 6.313  | 0        | 2860033  | N.D.    | 1.757 # |
| 26)                         | Chlordane-4     | 0.000 | 6.404  | 0        | 6641739  | N.D.    | 3.503 # |
| 27)                         | Chlordane-5     | 6.283 | 7.214  | 476930   | 1034713  | 10.546  | 2.844 # |
| -----                       |                 |       |        |          |          |         |         |

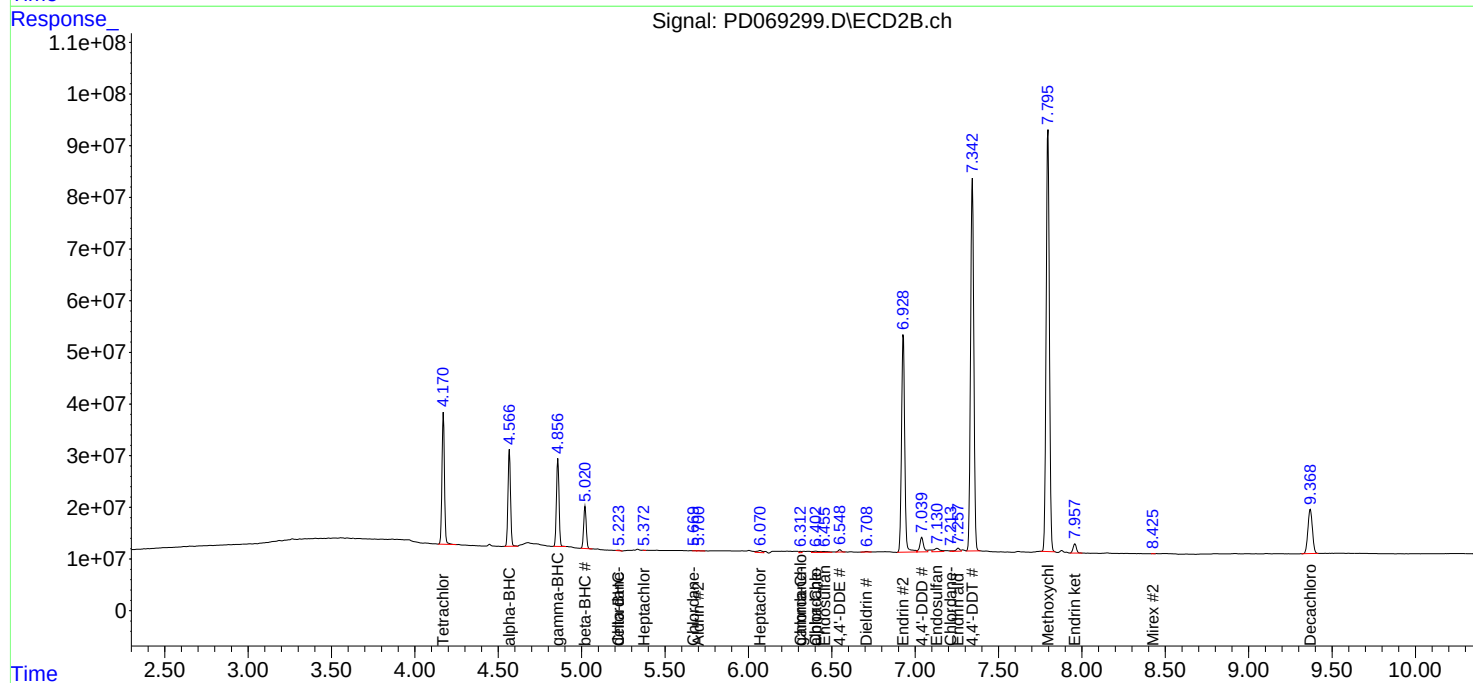
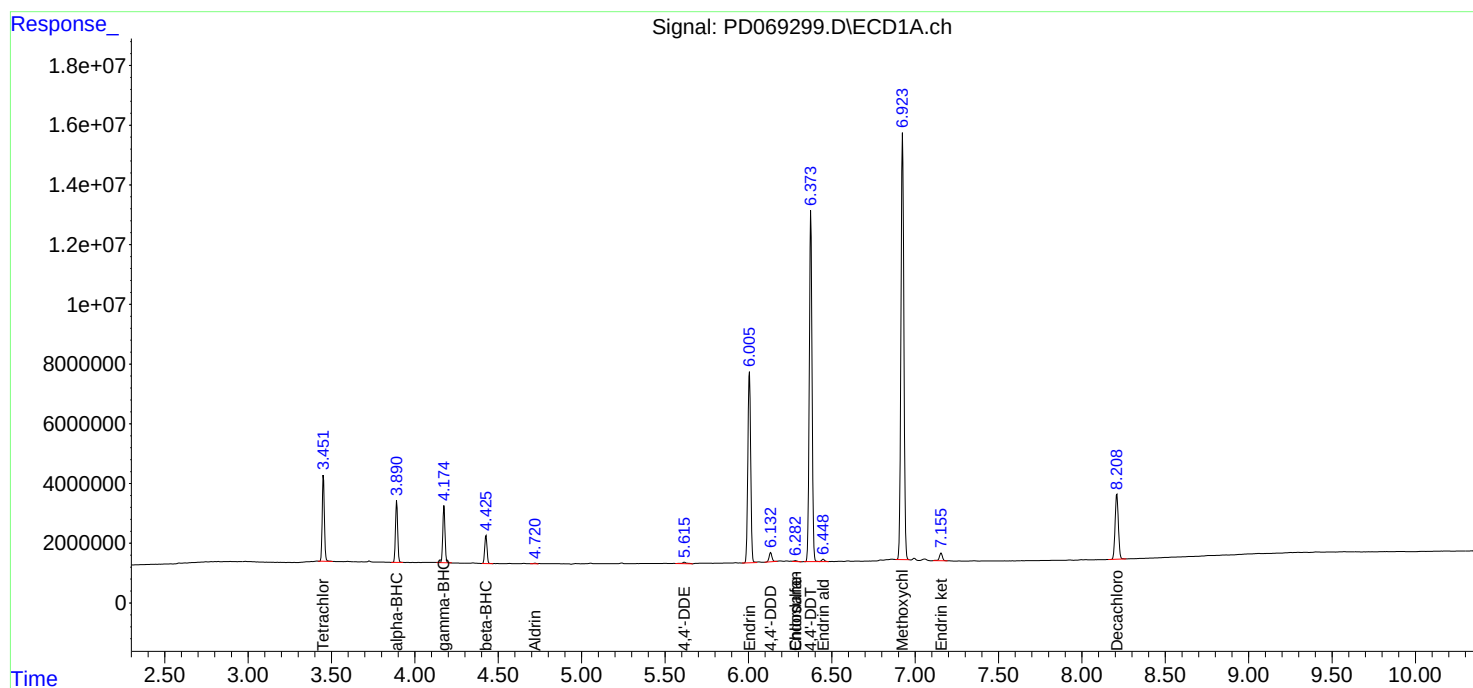
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

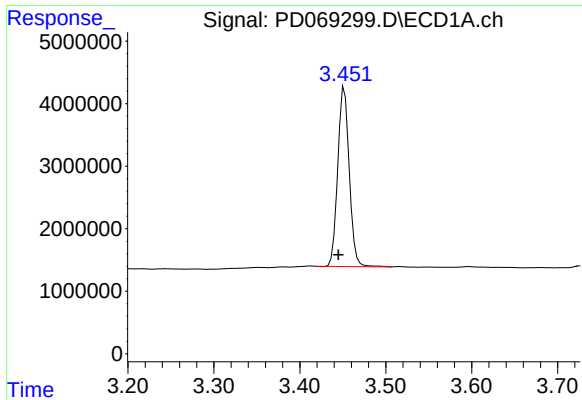
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD042922\  
Data File : PD069299.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Apr 2022 16:39  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 30 00:51:04 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD041622.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 18 13:40:55 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

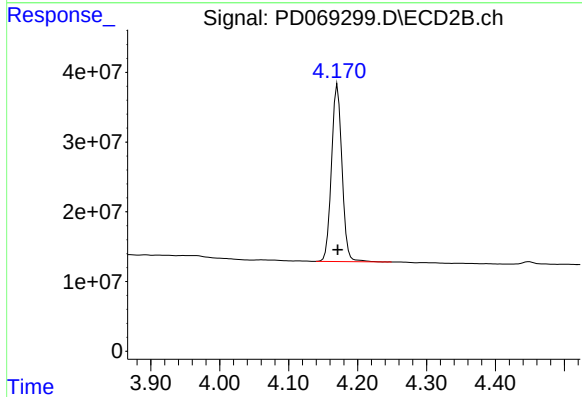




#1 Tetrachloro-m-xylene

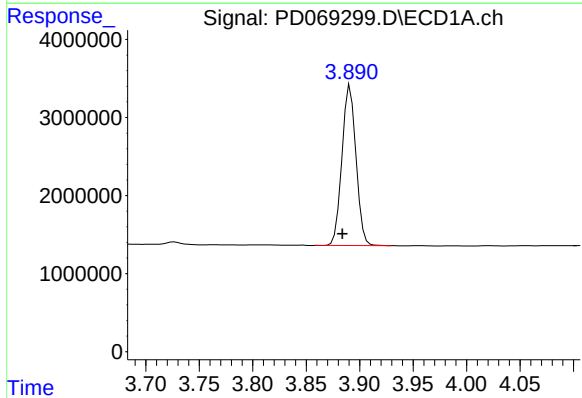
R.T.: 3.452 min  
Delta R.T.: 0.007 min  
Response: 26528586  
Conc: 23.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



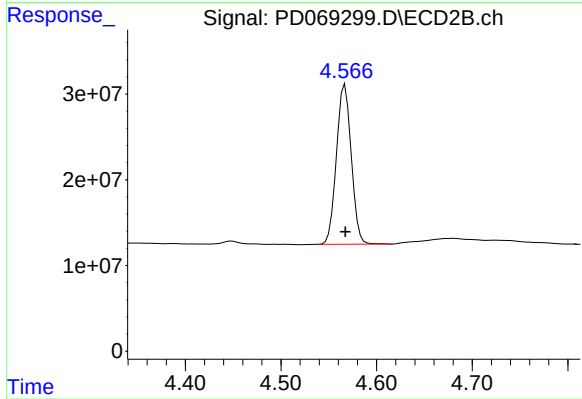
#1 Tetrachloro-m-xylene

R.T.: 4.171 min  
Delta R.T.: 0.000 min  
Response: 268002332  
Conc: 25.00 ng/ml



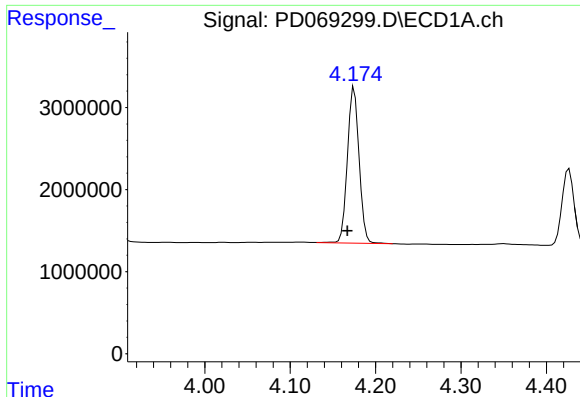
#2 alpha-BHC

R.T.: 3.891 min  
Delta R.T.: 0.007 min  
Response: 18783116  
Conc: 11.51 ng/ml



#2 alpha-BHC

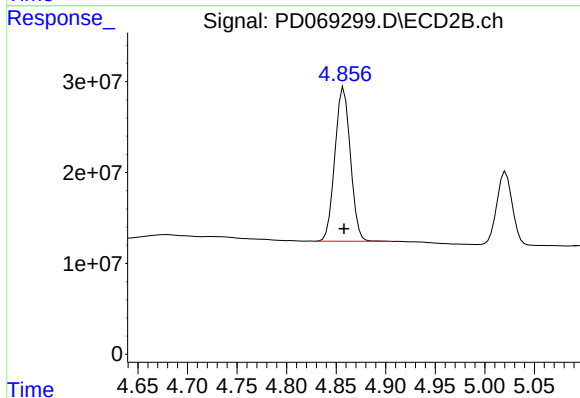
R.T.: 4.567 min  
Delta R.T.: 0.000 min  
Response: 200886343  
Conc: 13.03 ng/ml



#3 gamma-BHC (Lindane)

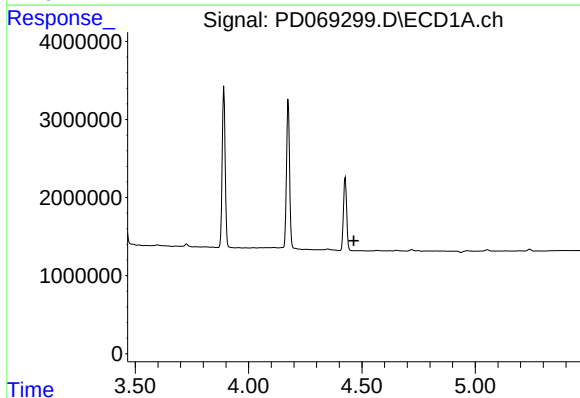
R.T.: 4.175 min  
Delta R.T.: 0.008 min  
Response: 18095576  
Conc: 10.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



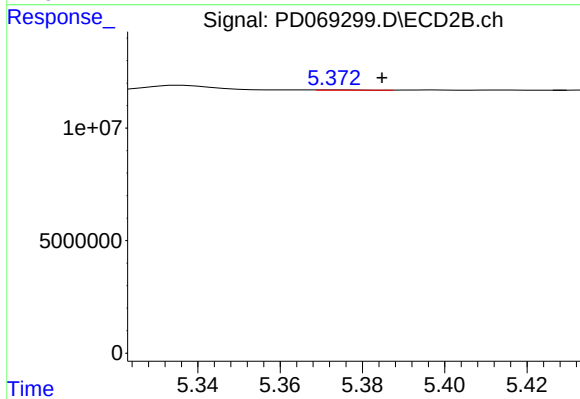
#3 gamma-BHC (Lindane)

R.T.: 4.858 min  
Delta R.T.: 0.000 min  
Response: 184267695  
Conc: 13.05 ng/ml



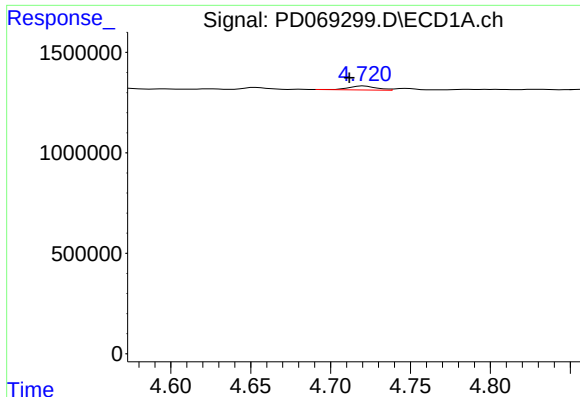
#4 Heptachlor

R.T.: 0.000 min  
Exp R.T. : 4.465 min  
Response: 0  
Conc: N.D.



#4 Heptachlor

R.T.: 5.374 min  
Delta R.T.: -0.011 min  
Response: 127944  
Conc: 0.01 ng/ml



#5 Aldrin

R.T.: 4.721 min  
Delta R.T.: 0.009 min  
Response: 241435  
Conc: 0.17 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :

#5 Aldrin

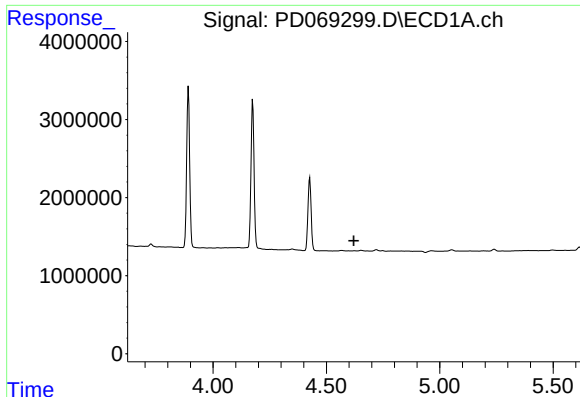
R.T.: 5.702 min  
Delta R.T.: 0.004 min  
Response: 686627  
Conc: 0.05 ng/ml

#6 beta-BHC

R.T.: 4.427 min  
Delta R.T.: 0.010 min  
Response: 9171333  
Conc: 13.19 ng/ml

#6 beta-BHC

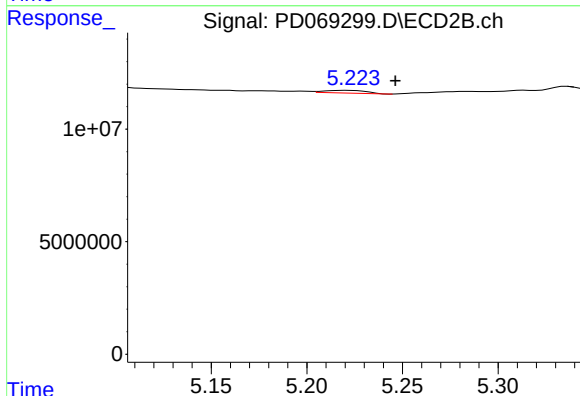
R.T.: 5.021 min  
Delta R.T.: 0.000 min  
Response: 86774166  
Conc: 14.12 ng/ml



#7 delta-BHC

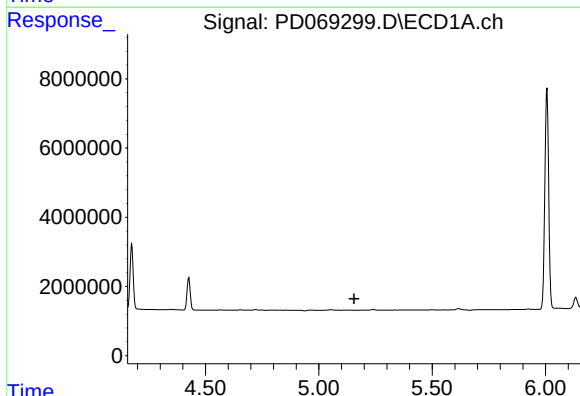
R.T.: 0.000 min  
Exp R.T. : 4.621 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



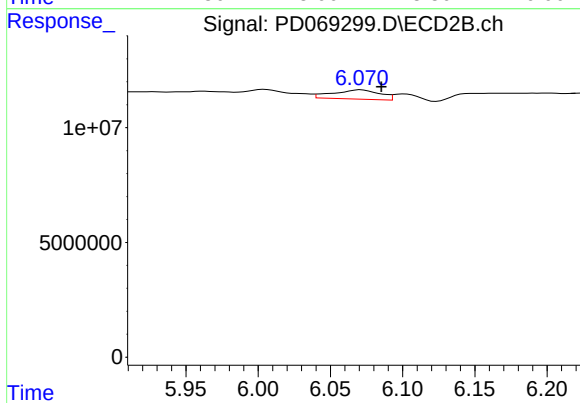
#7 delta-BHC

R.T.: 5.221 min  
Delta R.T.: -0.026 min  
Response: 1836929  
Conc: 0.14 ng/ml



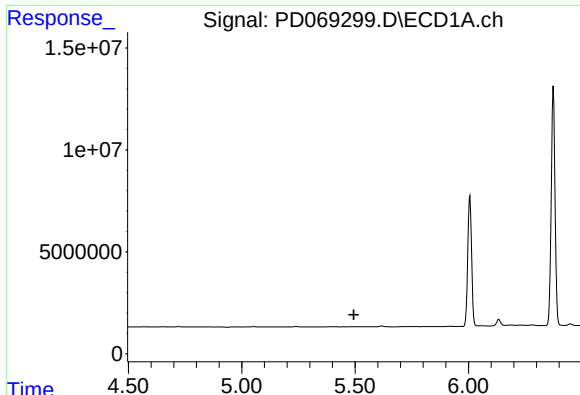
#8 Heptachlor epoxide

R.T.: 0.000 min  
Exp R.T. : 5.156 min  
Response: 0  
Conc: N.D.



#8 Heptachlor epoxide

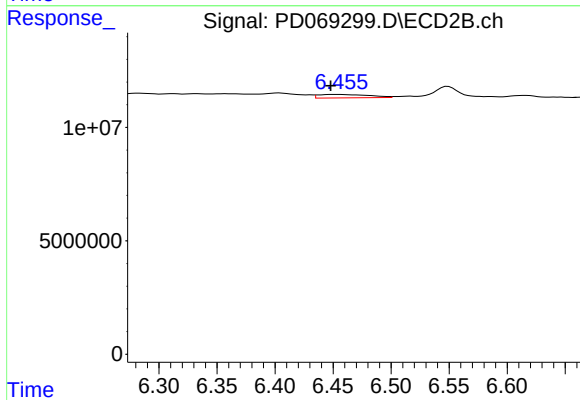
R.T.: 6.071 min  
Delta R.T.: -0.014 min  
Response: 9032777  
Conc: 0.76 ng/ml



#9 Endosulfan I

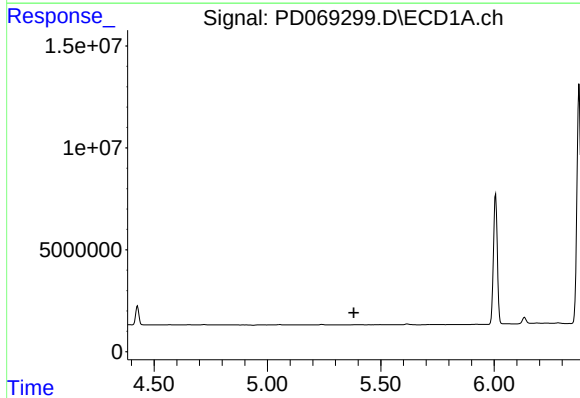
R.T.: 0.000 min  
Exp R.T.: 5.494 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



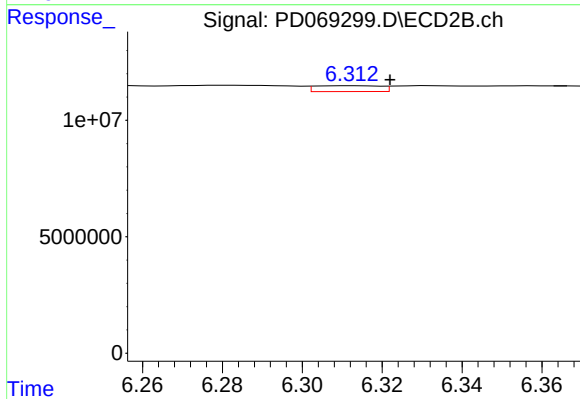
#9 Endosulfan I

R.T.: 6.454 min  
Delta R.T.: 0.005 min  
Response: 4598083  
Conc: 0.43 ng/ml



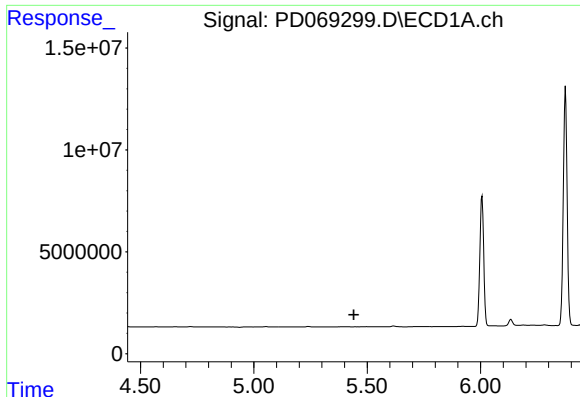
#10 gamma-Chlordane

R.T.: 0.000 min  
Exp R.T.: 5.381 min  
Response: 0  
Conc: N.D.



#10 gamma-Chlordane

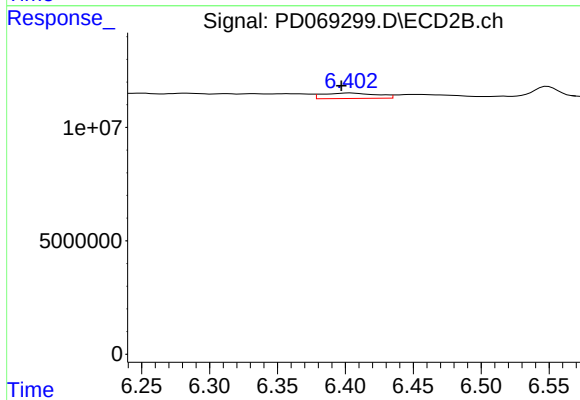
R.T.: 6.313 min  
Delta R.T.: -0.009 min  
Response: 2860033  
Conc: 0.25 ng/ml



#11 alpha-Chlordane

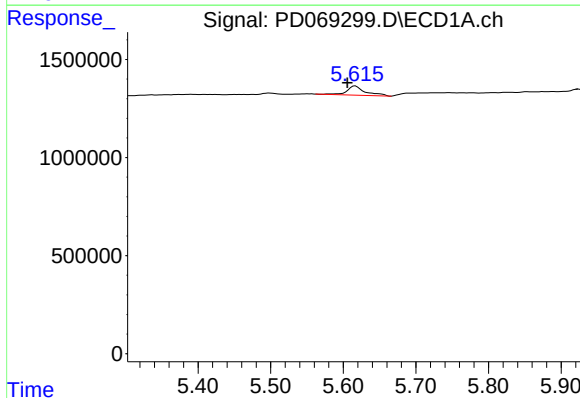
R.T.: 0.000 min  
Exp R.T.: 5.441 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



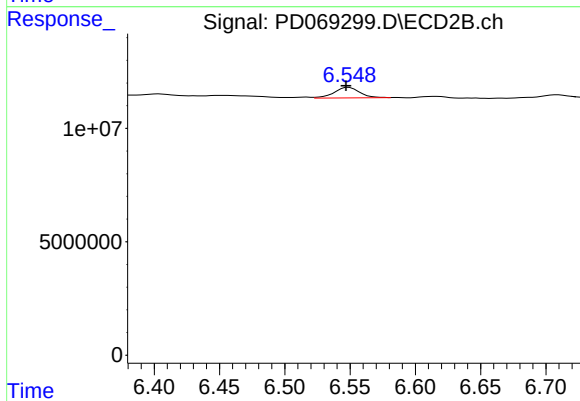
#11 alpha-Chlordane

R.T.: 6.404 min  
Delta R.T.: 0.007 min  
Response: 6641739  
Conc: 0.58 ng/ml



#12 4,4'-DDE

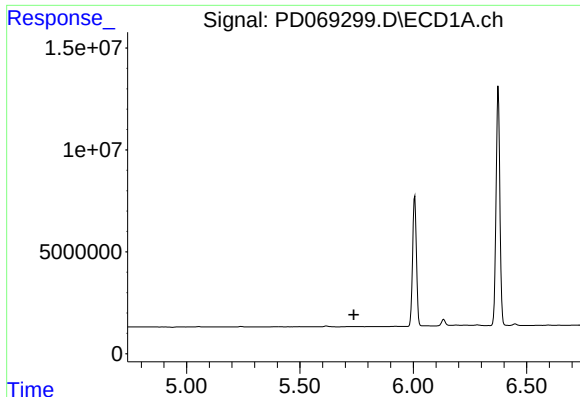
R.T.: 5.617 min  
Delta R.T.: 0.011 min  
Response: 814002  
Conc: 0.64 ng/ml



#12 4,4'-DDE

R.T.: 6.549 min  
Delta R.T.: 0.002 min  
Response: 6332711  
Conc: 0.59 ng/ml

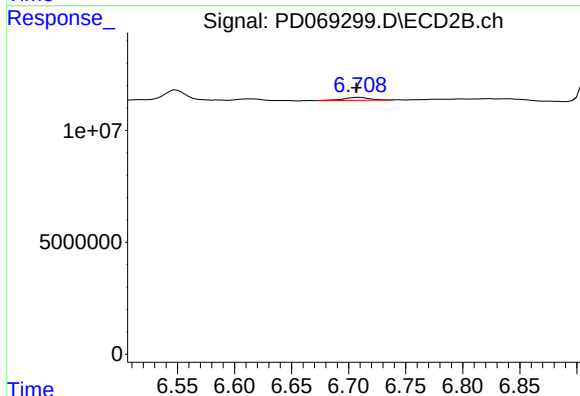




#13 Dieldrin

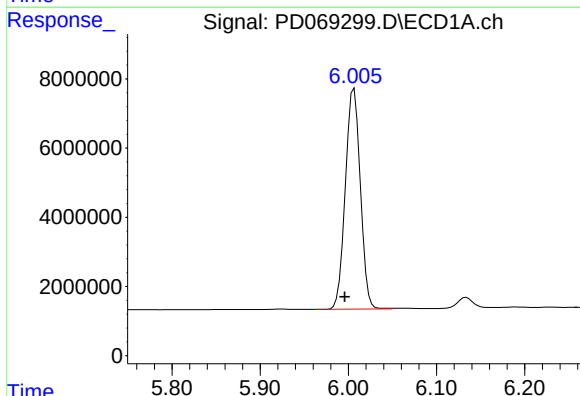
R.T.: 0.000 min  
Exp R.T.: 5.738 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



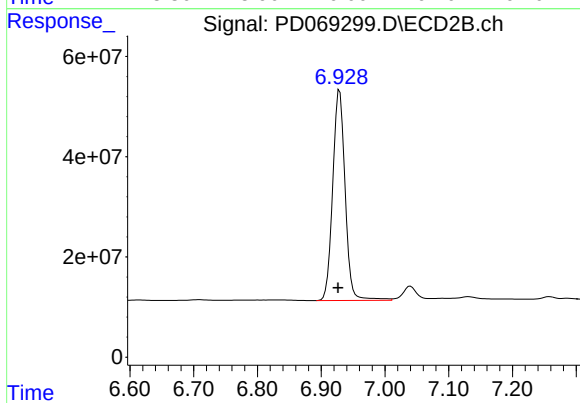
#13 Dieldrin

R.T.: 6.709 min  
Delta R.T.: 0.003 min  
Response: 2107103  
Conc: 0.19 ng/ml



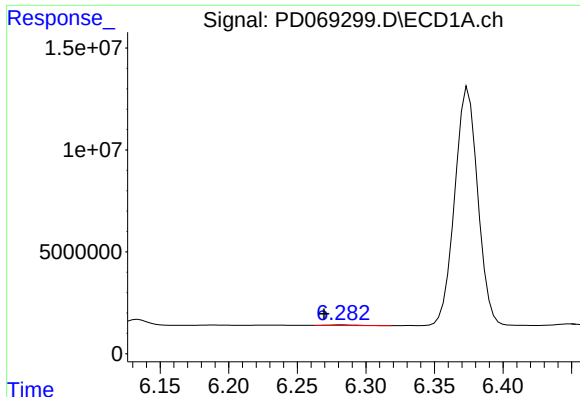
#14 Endrin

R.T.: 6.006 min  
Delta R.T.: 0.011 min  
Response: 75347756  
Conc: 62.32 ng/ml



#14 Endrin

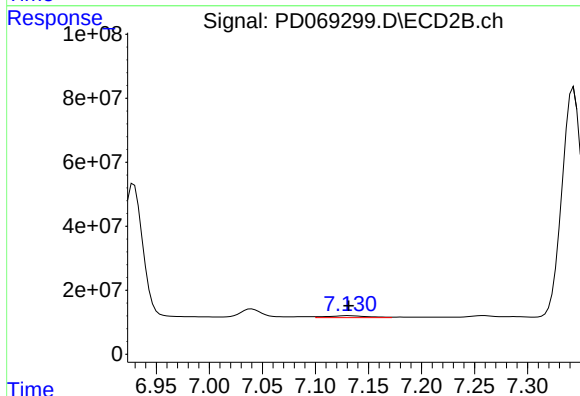
R.T.: 6.929 min  
Delta R.T.: 0.002 min  
Response: 569830844  
Conc: 62.82 ng/ml



#15 Endosulfan II

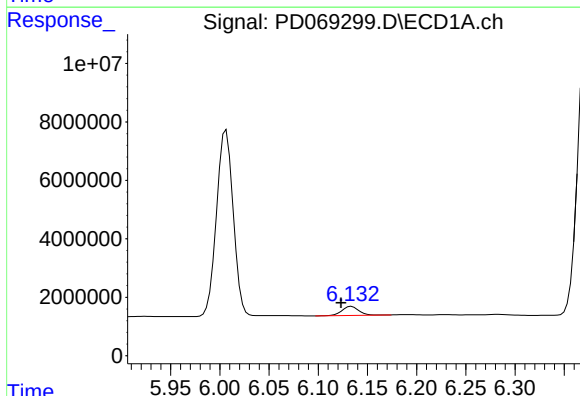
R.T.: 6.283 min  
Delta R.T.: 0.014 min  
Response: 476930  
Conc: 0.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



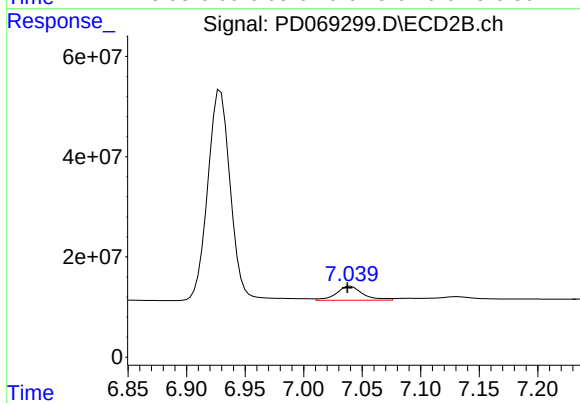
#15 Endosulfan II

R.T.: 7.132 min  
Delta R.T.: 0.000 min  
Response: 16209650  
Conc: 1.87 ng/ml



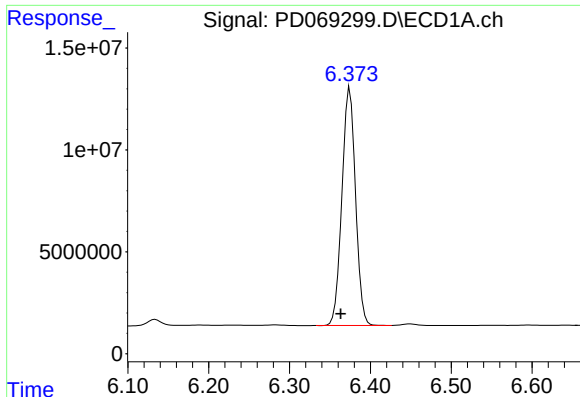
#16 4,4'-DDD

R.T.: 6.134 min  
Delta R.T.: 0.010 min  
Response: 3692833  
Conc: 3.39 ng/ml



#16 4,4'-DDD

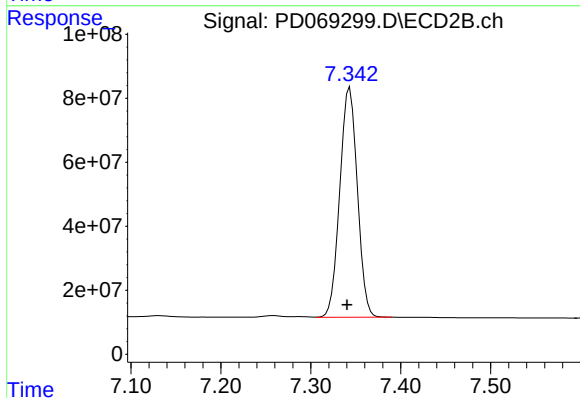
R.T.: 7.040 min  
Delta R.T.: 0.003 min  
Response: 43495440  
Conc: 5.05 ng/ml



#17 4,4'-DDT

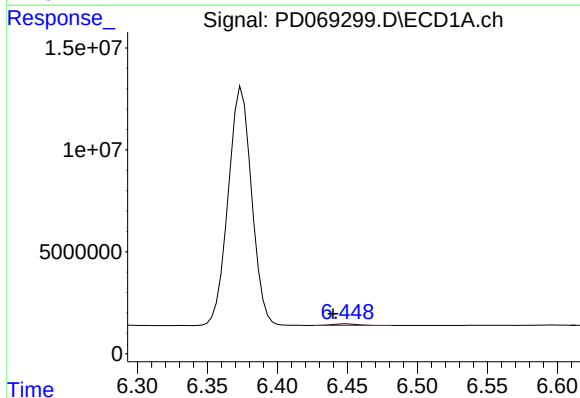
R.T.: 6.375 min  
Delta R.T.: 0.011 min  
Response: 136389559  
Conc: 126.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



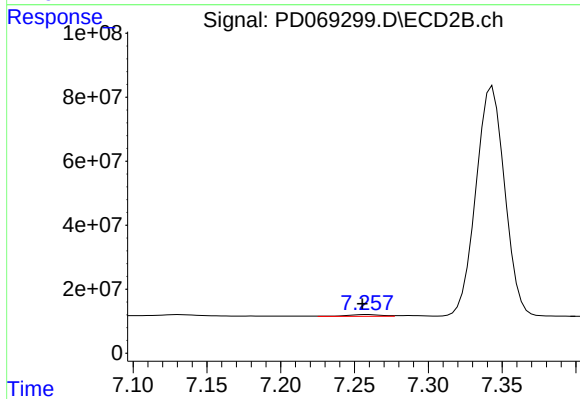
#17 4,4'-DDT

R.T.: 7.343 min  
Delta R.T.: 0.003 min  
Response: 975209286  
Conc: 112.43 ng/ml



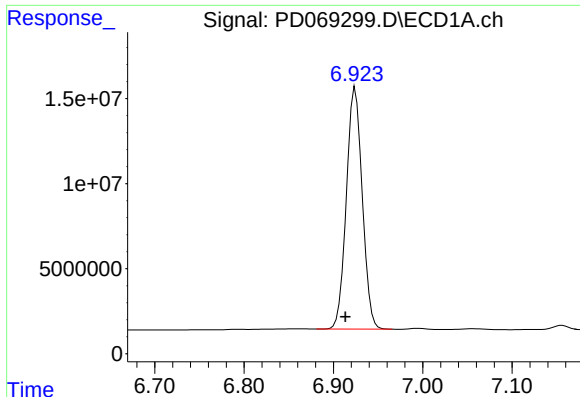
#18 Endrin aldehyde

R.T.: 6.449 min  
Delta R.T.: 0.010 min  
Response: 949921  
Conc: 1.03 ng/ml



#18 Endrin aldehyde

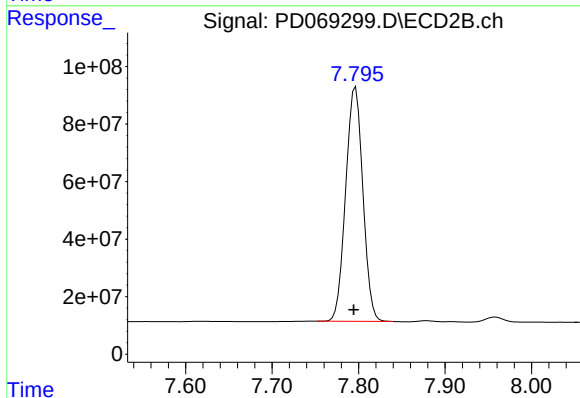
R.T.: 7.258 min  
Delta R.T.: 0.003 min  
Response: 9069647  
Conc: 1.31 ng/ml



#20 Methoxychlor

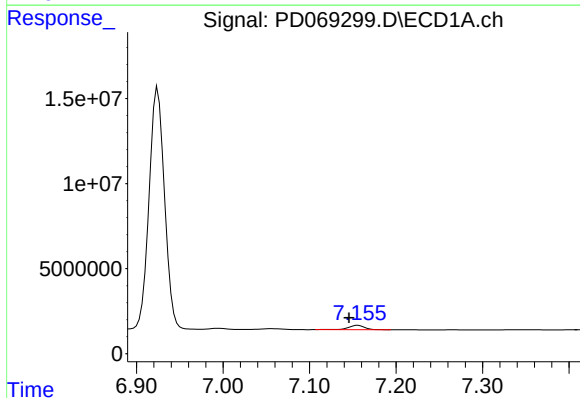
R.T.: 6.925 min  
Delta R.T.: 0.011 min  
Response: 175662321  
Conc: 276.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



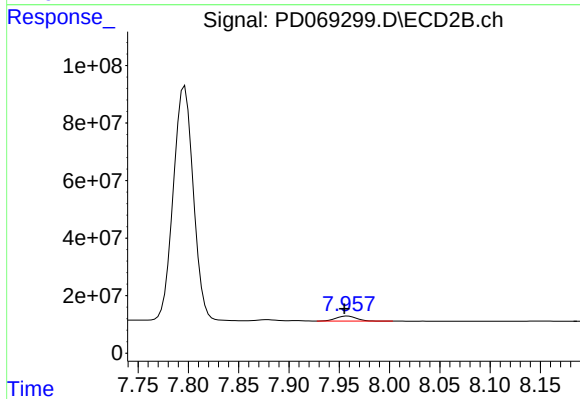
#20 Methoxychlor

R.T.: 7.796 min  
Delta R.T.: 0.002 min  
Response: 1120912761  
Conc: 260.01 ng/ml



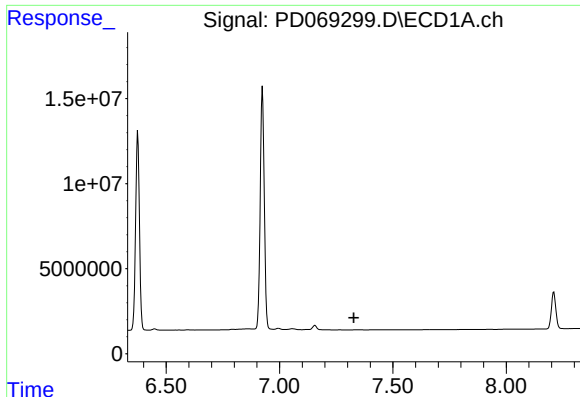
#21 Endrin ketone

R.T.: 7.156 min  
Delta R.T.: 0.011 min  
Response: 3266948  
Conc: 2.32 ng/ml



#21 Endrin ketone

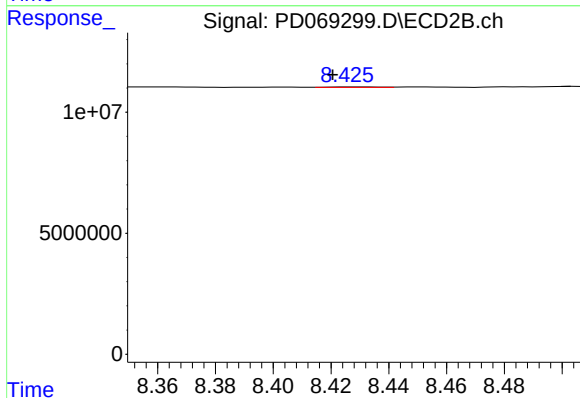
R.T.: 7.958 min  
Delta R.T.: 0.003 min  
Response: 24669669  
Conc: 2.73 ng/ml



#22 Mirex

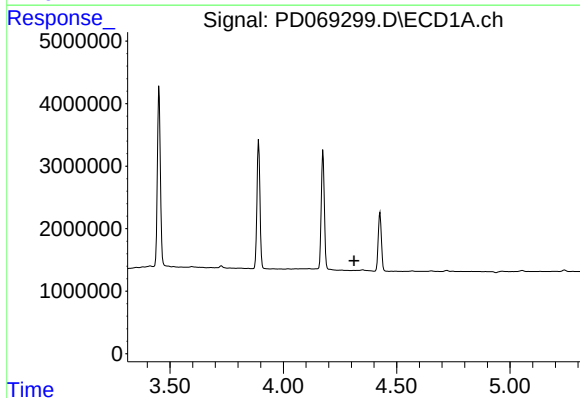
R.T.: 0.000 min  
Exp R.T.: 7.328 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



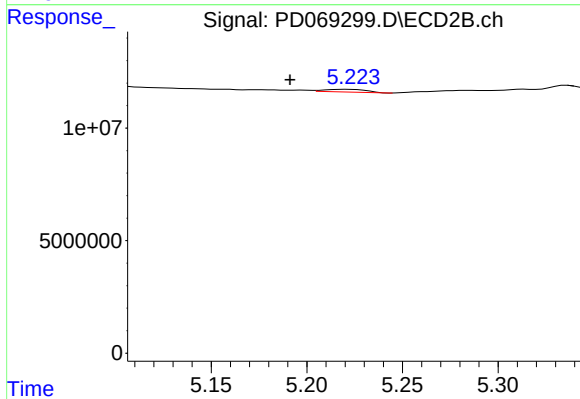
#22 Mirex

R.T.: 8.427 min  
Delta R.T.: 0.006 min  
Response: 207218  
Conc: 0.03 ng/ml



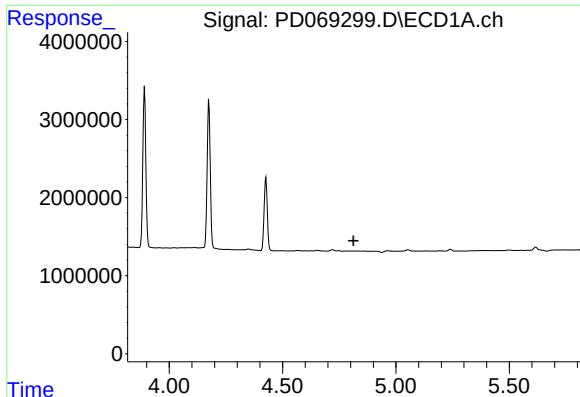
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T.: 4.312 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

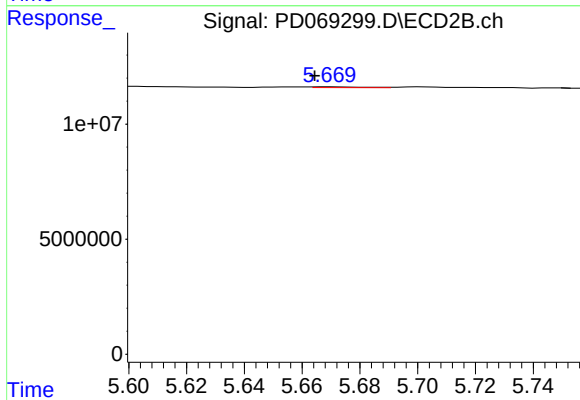
R.T.: 5.221 min  
Delta R.T.: 0.029 min  
Response: 1836929  
Conc: 3.82 ng/ml



#24 Chlordane-2

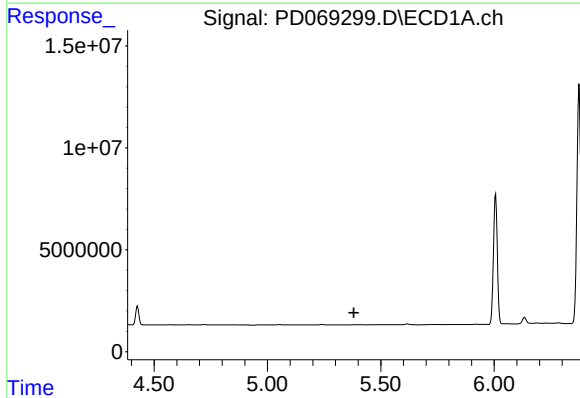
R.T.: 0.000 min  
Exp R.T.: 4.813 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



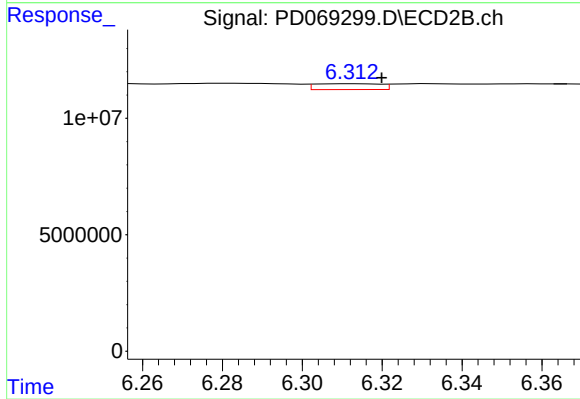
#24 Chlordane-2

R.T.: 5.670 min  
Delta R.T.: 0.005 min  
Response: 401370  
Conc: 0.87 ng/ml



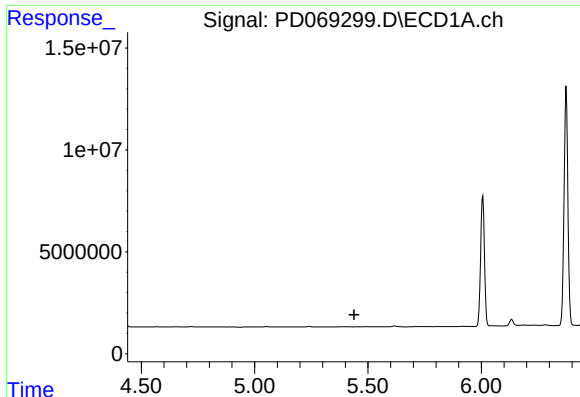
#25 Chlordane-3

R.T.: 0.000 min  
Exp R.T.: 5.381 min  
Response: 0  
Conc: N.D.



#25 Chlordane-3

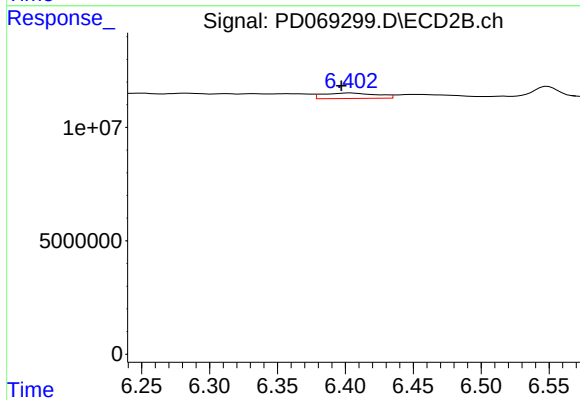
R.T.: 6.313 min  
Delta R.T.: -0.007 min  
Response: 2860033  
Conc: 1.76 ng/ml



#26 Chlordane-4

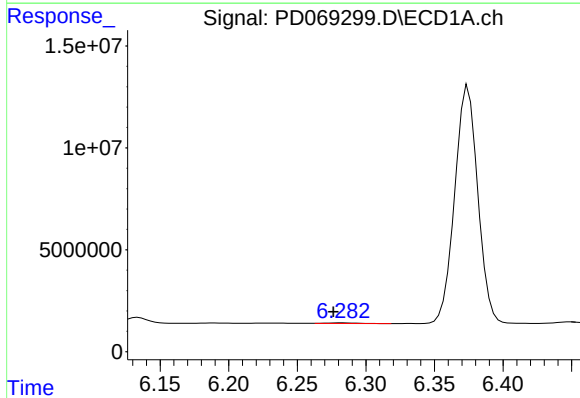
R.T.: 0.000 min  
Exp R.T.: 5.439 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



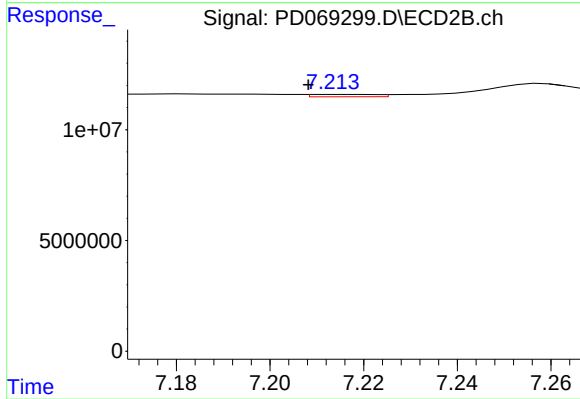
#26 Chlordane-4

R.T.: 6.404 min  
Delta R.T.: 0.007 min  
Response: 6641739  
Conc: 3.50 ng/ml



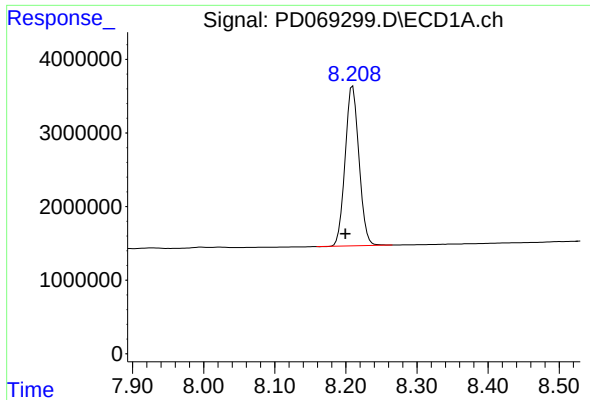
#27 Chlordane-5

R.T.: 6.283 min  
Delta R.T.: 0.007 min  
Response: 476930  
Conc: 10.55 ng/ml



#27 Chlordane-5

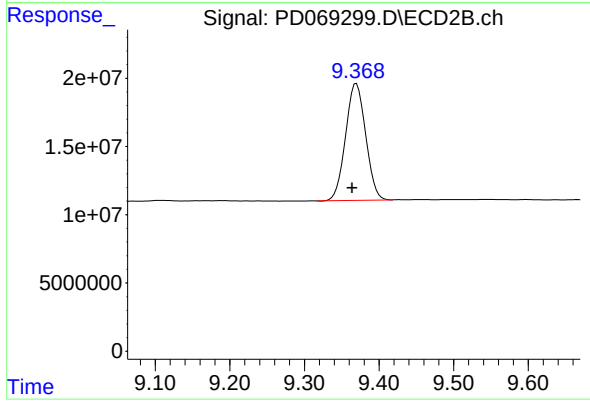
R.T.: 7.214 min  
Delta R.T.: 0.006 min  
Response: 1034713  
Conc: 2.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.210 min  
Delta R.T.: 0.010 min  
Response: 29397120  
Conc: 23.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 9.370 min  
Delta R.T.: 0.006 min  
Response: 160001410  
Conc: 24.45 ng/ml