

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111125\  
 Data File : PD091068.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2025 15:44  
 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 12 00:21:26 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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  | 68968346 | 717.0E6  | 22.147  | 24.080  |
| 28)                         | SA Decachlor... | 9.066  | 8.060  | 93559085 | 644.3E6  | 20.000  | 21.270  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.993  | 3.385  | 67672256 | 597.8E6  | 9.429   | 11.700  |
| 3)                          | MA gamma-BHC... | 4.324  | 3.721  | 64545043 | 549.1E6  | 9.494   | 11.621  |
| 4)                          | MA Heptachlor   | 4.945f | 4.080  | 2155463  | 1873593  | 0.386   | 0.042 # |
| 5)                          | MB Aldrin       | 0.000  | 4.356  | 0        | 2273168  | N.D.    | 0.049 # |
| 6)                          | B beta-BHC      | 4.512  | 4.017  | 27439114 | 232.3E6  | 10.474  | 11.714  |
| 7)                          | B delta-BHC     | 4.770  | 4.259  | 3901492  | 701241   | 0.577   | 0.015 # |
| 8)                          | B Heptachlo...  | 0.000  | 4.891f | 0        | 11335764 | N.D.    | 0.266 # |
| 9)                          | A Endosulfan I  | 0.000  | 5.215f | 0        | 1836745  | N.D.    | 0.047 # |
| 10)                         | B gamma-Chl...  | 5.934  | 5.115  | 163016   | 5601924  | 0.027   | 0.125 # |
| 11)                         | B alpha-Chl...  | 5.995f | 5.180  | 12375834 | 1185133  | 2.002   | 0.027 # |
| 12)                         | B 4,4'-DDE      | 6.189  | 5.367  | 568222   | 4642438  | 0.107   | 0.106   |
| 13)                         | MA Dieldrin     | 6.362f | 5.507  | 257154   | 330652   | 0.044   | 0.007 # |
| 14)                         | MA Endrin       | 6.568  | 5.779  | 232.3E6  | 2054.4E6 | 46.903  | 50.734  |
| 15)                         | B Endosulfa...  | 6.766  | 6.074  | 3277620  | 6137589  | 0.656   | 0.163 # |
| 16)                         | A 4,4'-DDD      | 6.700  | 5.919  | 18987278 | 203.1E6  | 4.683   | 5.574   |
| 17)                         | MA 4,4'-DDT     | 7.016  | 6.173  | 387.6E6  | 3434.8E6 | 94.296  | 97.934  |
| 18)                         | B Endrin al...  | 6.911  | 6.248  | 2224799  | 31192702 | 0.607   | 1.126 # |
| 19)                         | B Endosulfa...  | 7.111f | 6.477  | 240915   | 368948   | 0.052   | 0.010 # |
| 20)                         | A Methoxychlor  | 7.489  | 6.743  | 476.4E6  | 3620.4E6 | 224.131 | 207.740 |
| 21)                         | B Endrin ke...  | 7.626  | 6.981  | 9731957  | 85397909 | 2.003   | 2.264   |
| 22)                         | Mirex           | 8.105  | 7.168  | 359776   | 7003517  | 0.112   | 0.273 # |
| 23)                         | Chlordane-1     | 0.000  | 3.890  | 0        | 795483   | N.D.    | 0.638 # |
| 24)                         | Chlordane-2     | 0.000  | 4.482  | 0        | 2776729  | N.D.    | 2.129 # |
| 25)                         | Chlordane-3     | 5.934  | 5.115  | 163016   | 5601924  | 0.214   | 1.440 # |
| 26)                         | Chlordane-4     | 0.000  | 5.180  | 0        | 1185133  | N.D.    | 0.355 # |
| 27)                         | Chlordane-5     | 6.871  | 6.074  | 128312   | 6137589  | 0.854   | 4.158 # |
| -----                       |                 |        |        |          |          |         |         |

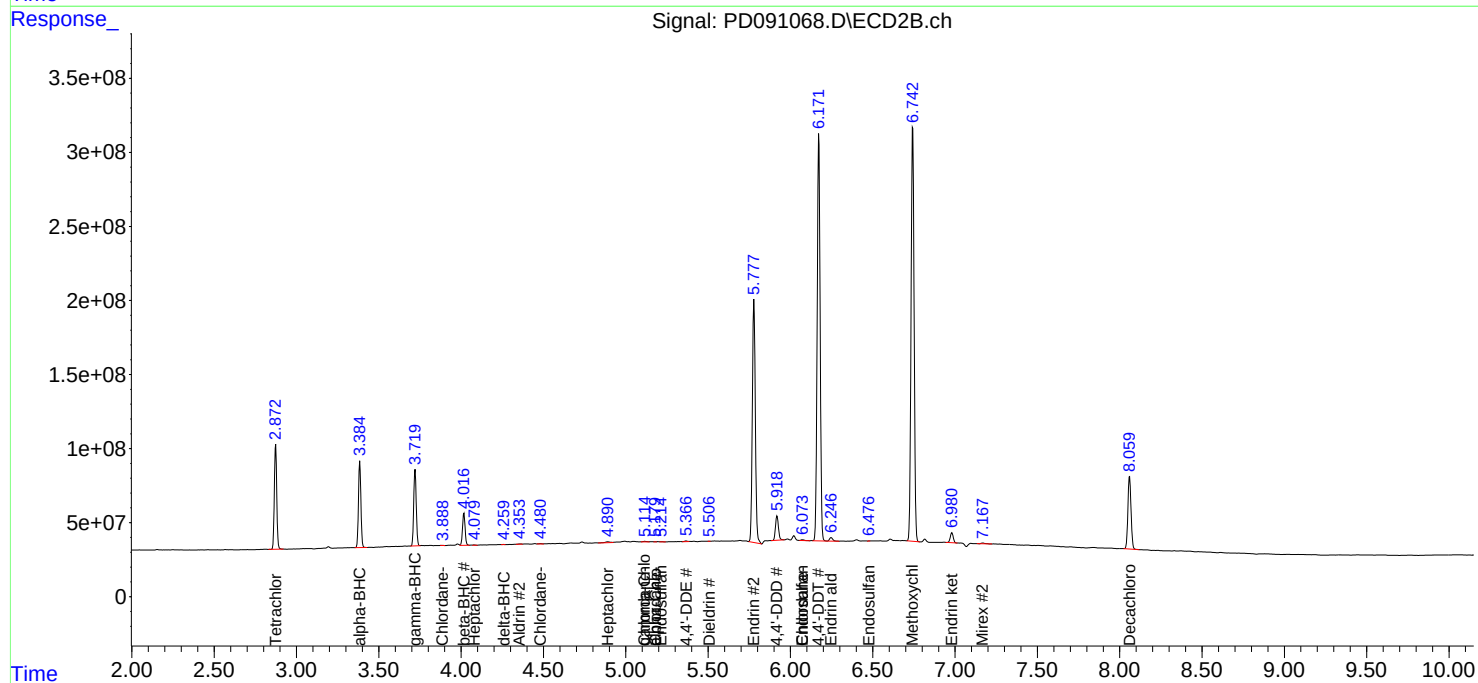
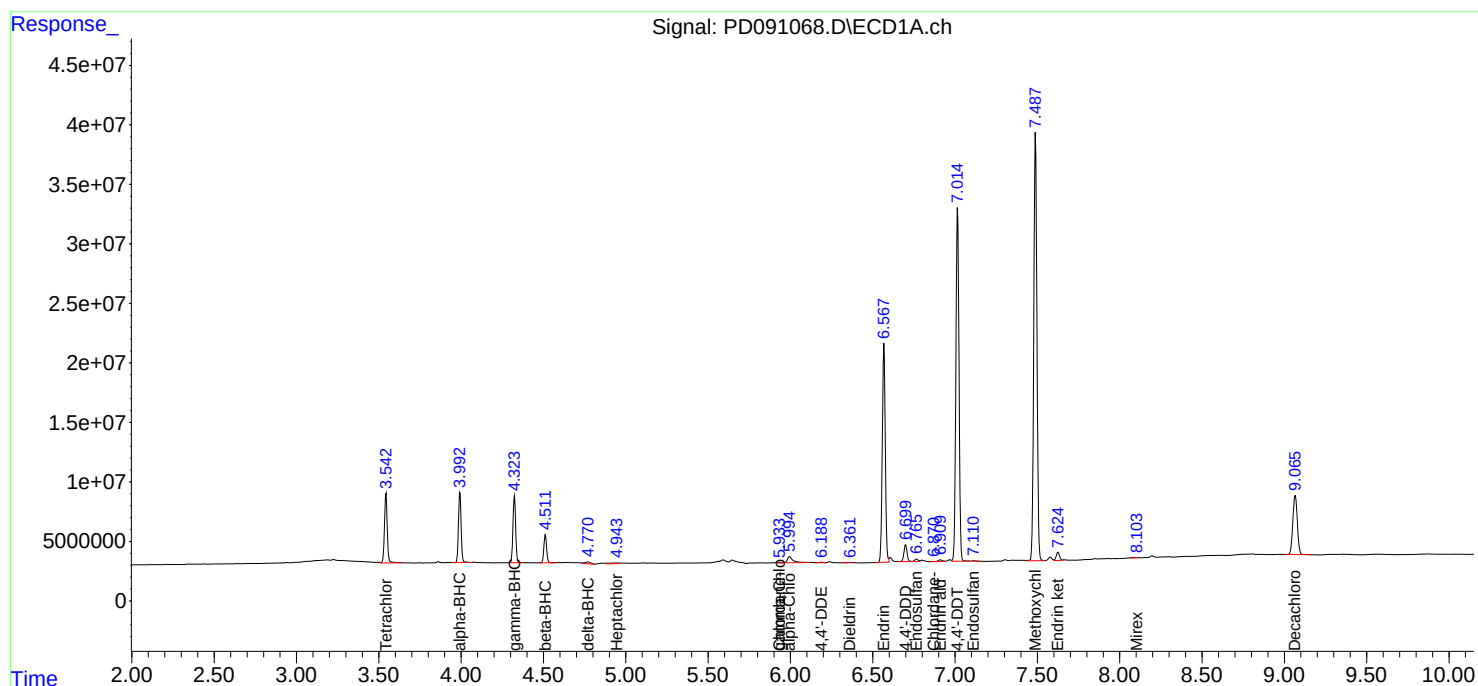
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

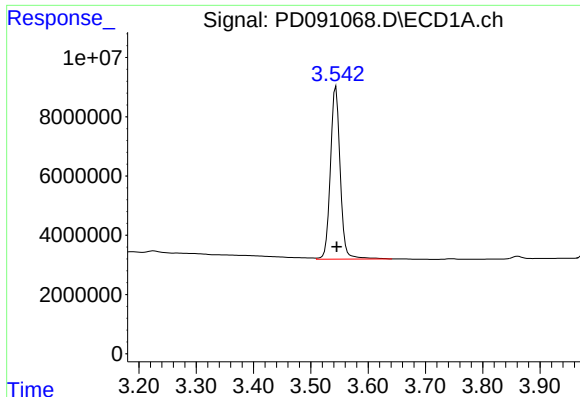
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111125\  
Data File : PD091068.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2025 15:44  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 00:21:26 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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

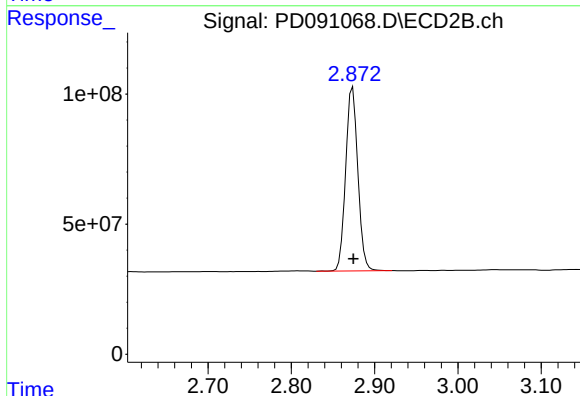




#1 Tetrachloro-m-xylene

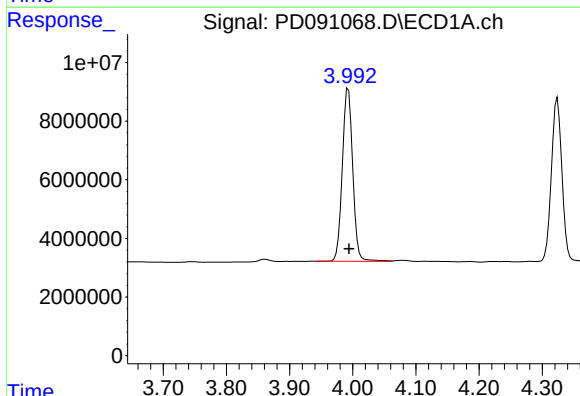
R.T.: 3.544 min  
Delta R.T.: -0.001 min  
Response: 68968346  
Conc: 22.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



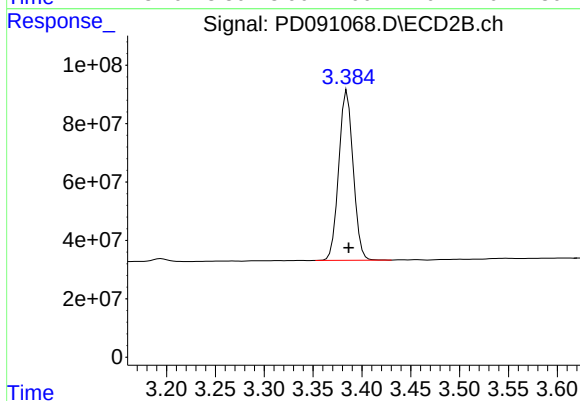
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 717030600  
Conc: 24.08 ng/ml



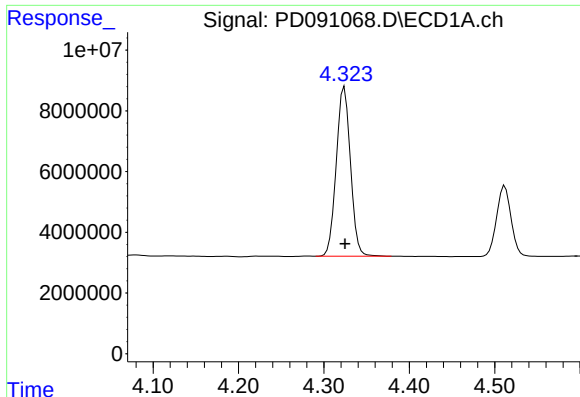
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: -0.001 min  
Response: 67672256  
Conc: 9.43 ng/ml



#2 alpha-BHC

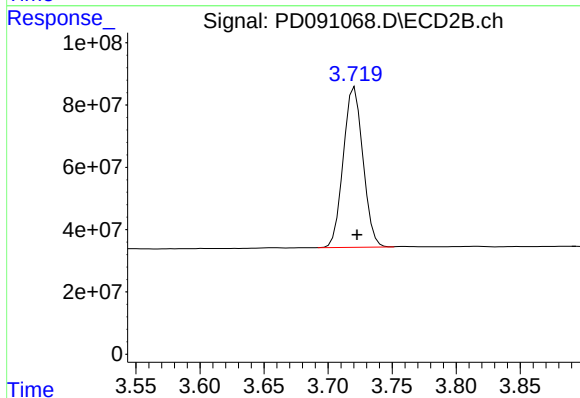
R.T.: 3.385 min  
Delta R.T.: -0.002 min  
Response: 597823144  
Conc: 11.70 ng/ml



#3 gamma-BHC (Lindane)

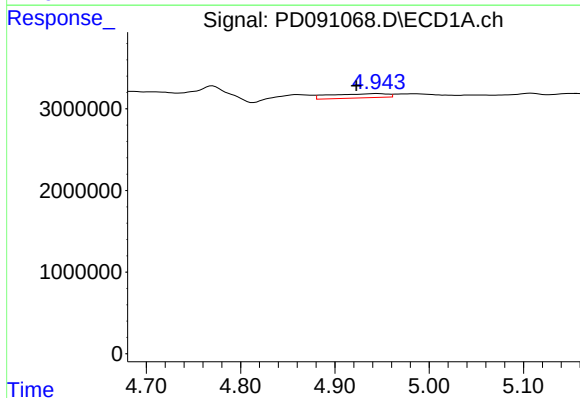
R.T.: 4.324 min  
Delta R.T.: 0.000 min  
Response: 64545043  
Conc: 9.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



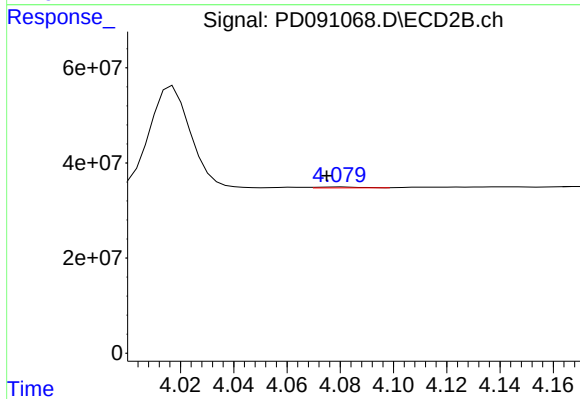
#3 gamma-BHC (Lindane)

R.T.: 3.721 min  
Delta R.T.: -0.002 min  
Response: 549100961  
Conc: 11.62 ng/ml



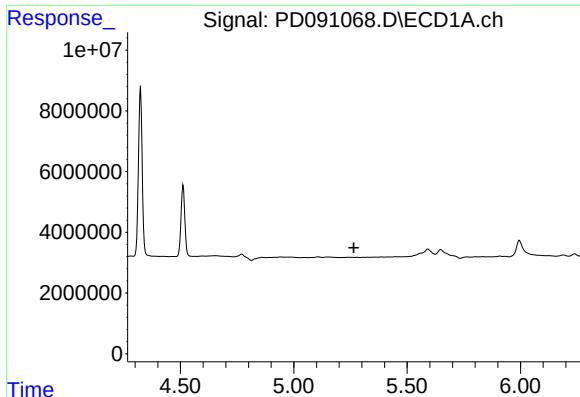
#4 Heptachlor

R.T.: 4.945 min  
Delta R.T.: 0.022 min  
Response: 2155463  
Conc: 0.39 ng/ml



#4 Heptachlor

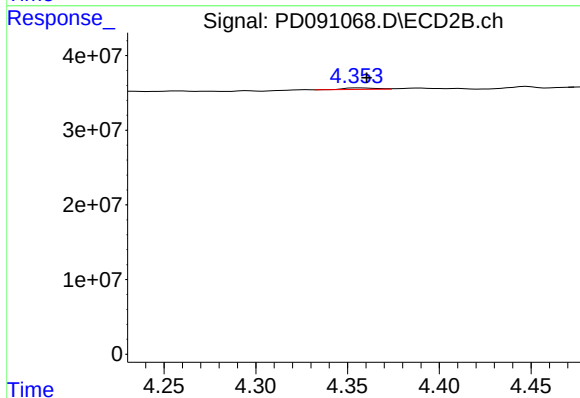
R.T.: 4.080 min  
Delta R.T.: 0.005 min  
Response: 1873593  
Conc: 0.04 ng/ml



#5 Aldrin

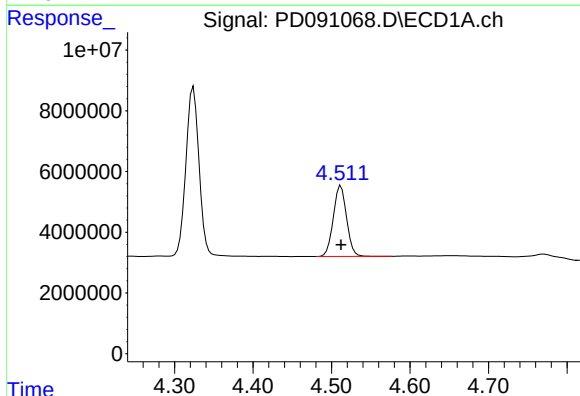
R.T.: 0.000 min  
Exp R.T.: 5.264 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



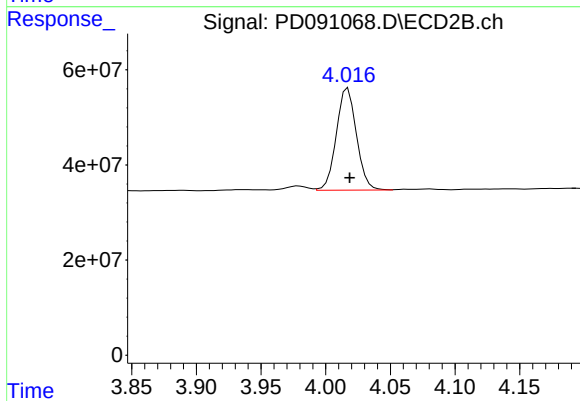
#5 Aldrin

R.T.: 4.356 min  
Delta R.T.: -0.004 min  
Response: 2273168  
Conc: 0.05 ng/ml



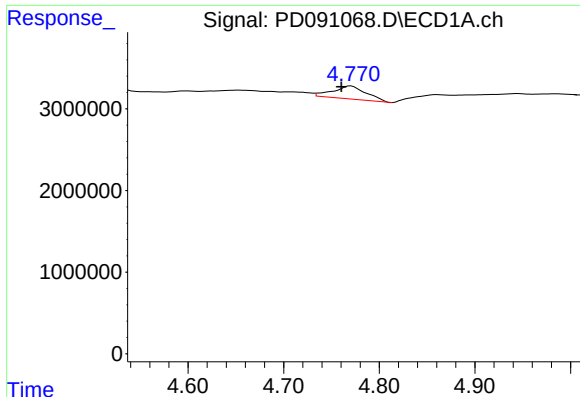
#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 27439114  
Conc: 10.47 ng/ml



#6 beta-BHC

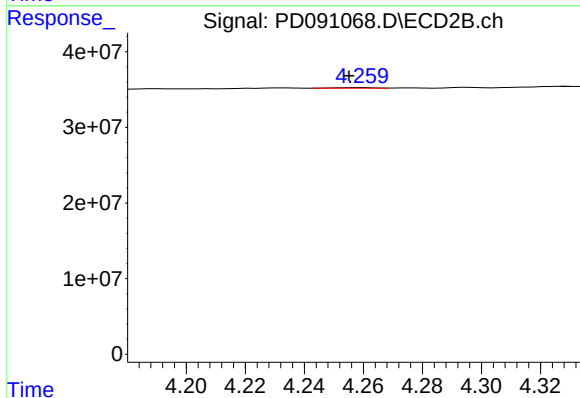
R.T.: 4.017 min  
Delta R.T.: -0.001 min  
Response: 232277272  
Conc: 11.71 ng/ml



#7 delta-BHC

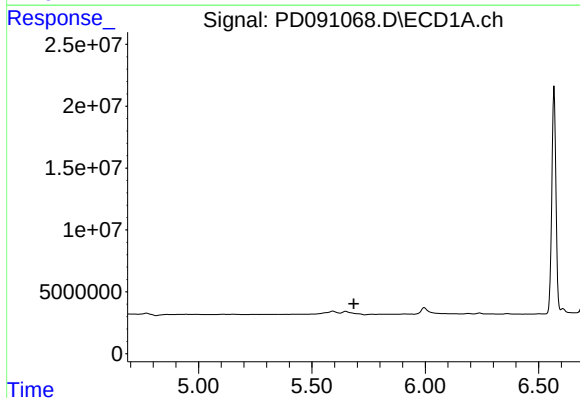
R.T.: 4.770 min  
Delta R.T.: 0.010 min  
Response: 3901492  
Conc: 0.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



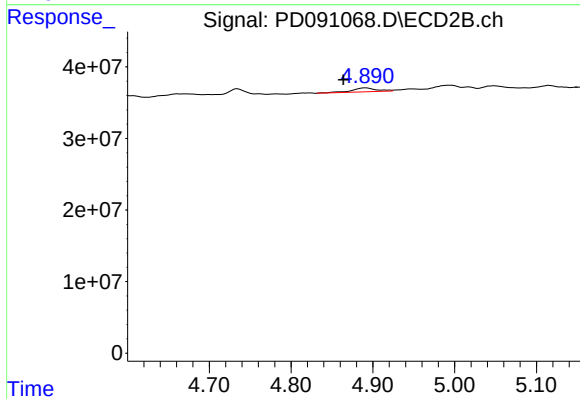
#7 delta-BHC

R.T.: 4.259 min  
Delta R.T.: 0.004 min  
Response: 701241  
Conc: 0.01 ng/ml



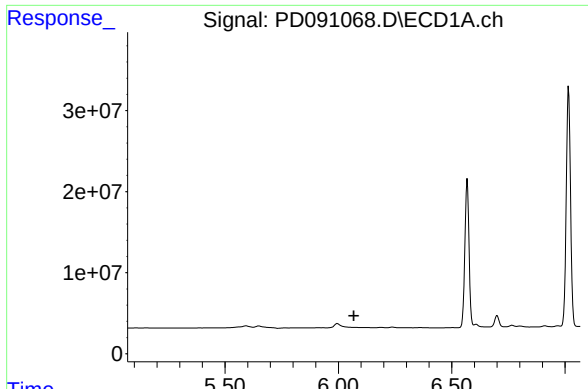
#8 Heptachlor epoxide

R.T.: 0.000 min  
Exp R.T. : 5.684 min  
Response: 0  
Conc: N.D.



#8 Heptachlor epoxide

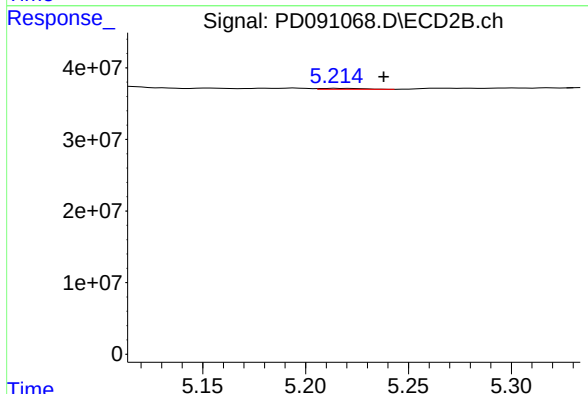
R.T.: 4.891 min  
Delta R.T.: 0.027 min  
Response: 11335764  
Conc: 0.27 ng/ml



#9 Endosulfan I

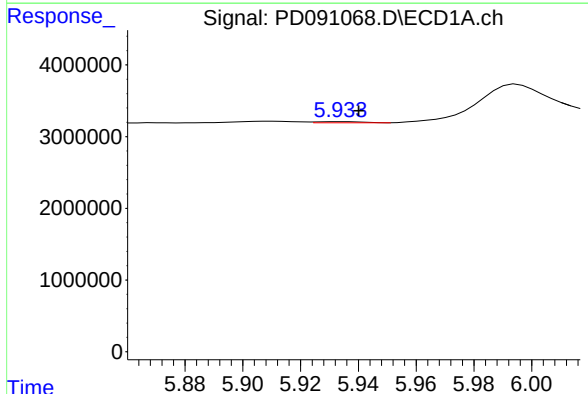
R.T.: 0.000 min  
Exp R.T.: 6.068 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



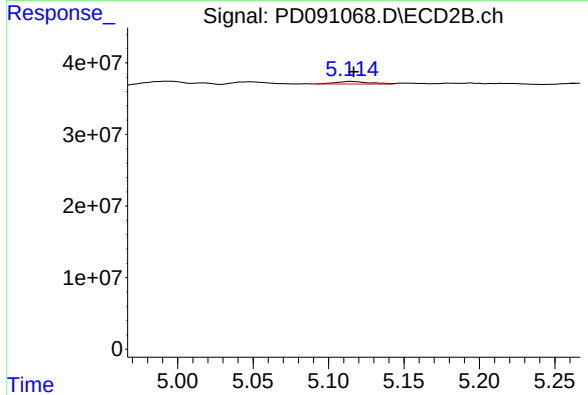
#9 Endosulfan I

R.T.: 5.215 min  
Delta R.T.: -0.023 min  
Response: 1836745  
Conc: 0.05 ng/ml



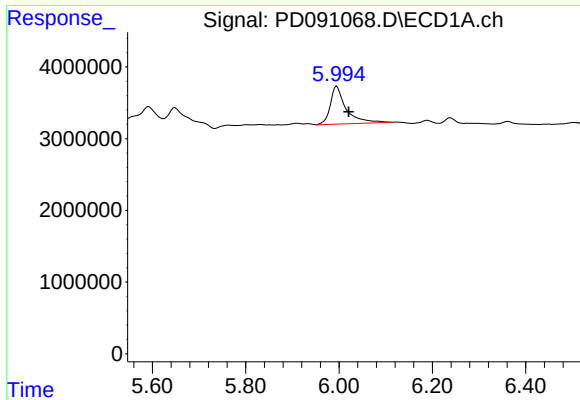
#10 gamma-Chlordane

R.T.: 5.934 min  
Delta R.T.: -0.006 min  
Response: 163016  
Conc: 0.03 ng/ml



#10 gamma-Chlordane

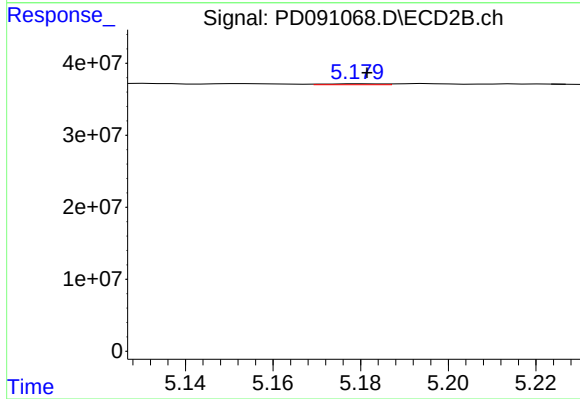
R.T.: 5.115 min  
Delta R.T.: -0.002 min  
Response: 5601924  
Conc: 0.12 ng/ml



#11 alpha-Chlordane

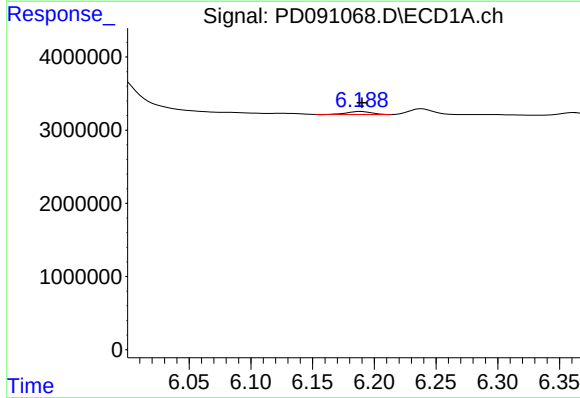
R.T.: 5.995 min  
Delta R.T.: -0.026 min  
Response: 12375834  
Conc: 2.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



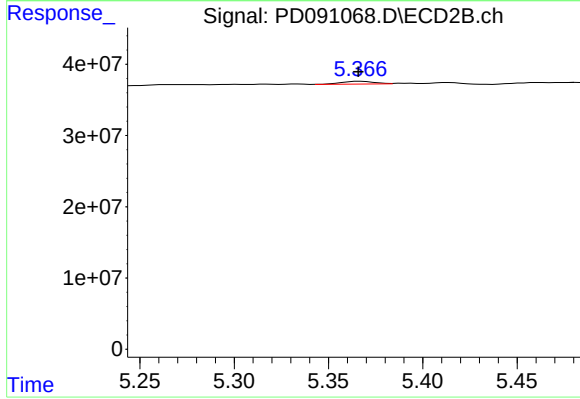
#11 alpha-Chlordane

R.T.: 5.180 min  
Delta R.T.: -0.001 min  
Response: 1185133  
Conc: 0.03 ng/ml



#12 4,4'-DDE

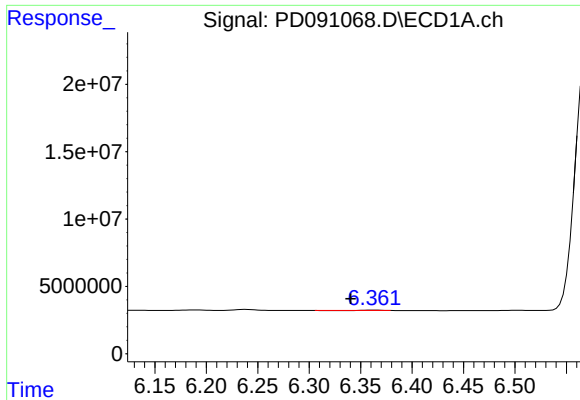
R.T.: 6.189 min  
Delta R.T.: 0.000 min  
Response: 568222  
Conc: 0.11 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min  
Delta R.T.: 0.001 min  
Response: 4642438  
Conc: 0.11 ng/ml

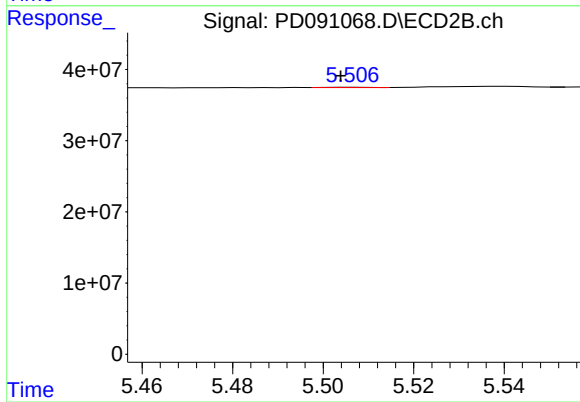




#13 Dieldrin

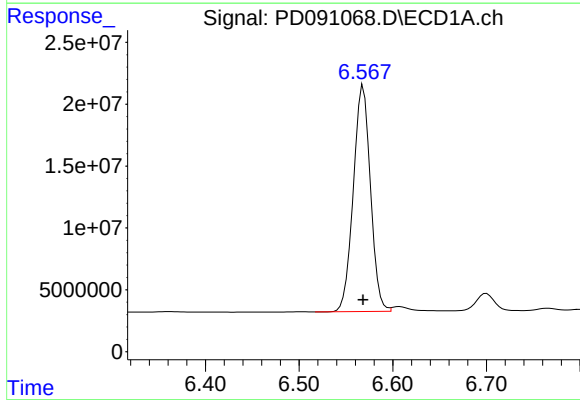
R.T.: 6.362 min  
Delta R.T.: 0.022 min  
Response: 257154  
Conc: 0.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



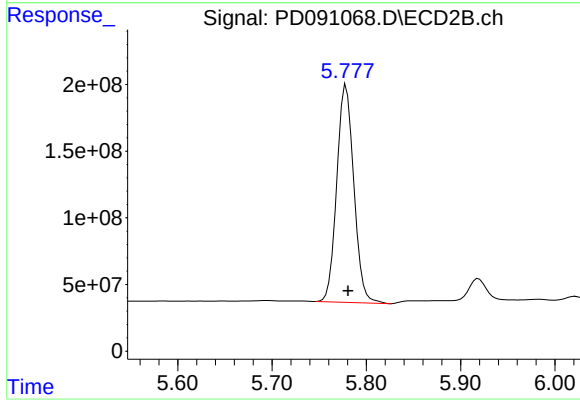
#13 Dieldrin

R.T.: 5.507 min  
Delta R.T.: 0.003 min  
Response: 330652  
Conc: 0.01 ng/ml



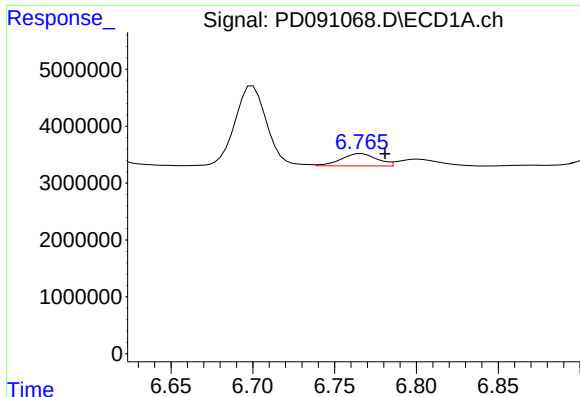
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: 0.000 min  
Response: 232345155  
Conc: 46.90 ng/ml



#14 Endrin

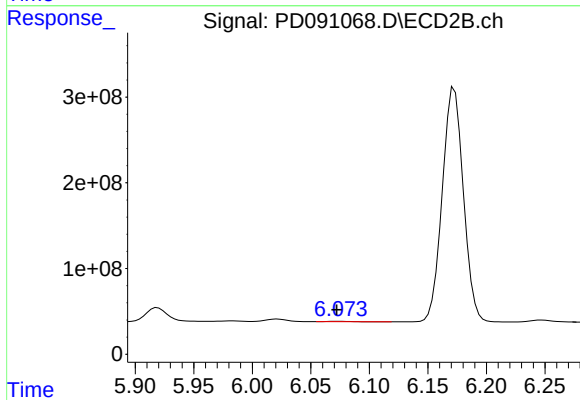
R.T.: 5.779 min  
Delta R.T.: -0.002 min  
Response: 2054411441  
Conc: 50.73 ng/ml



#15 Endosulfan II

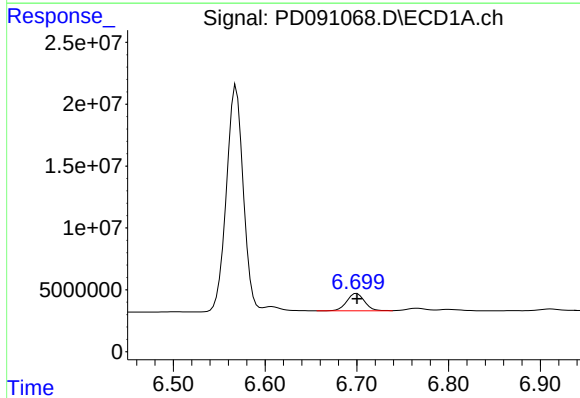
R.T.: 6.766 min  
Delta R.T.: -0.015 min  
Response: 3277620  
Conc: 0.66 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



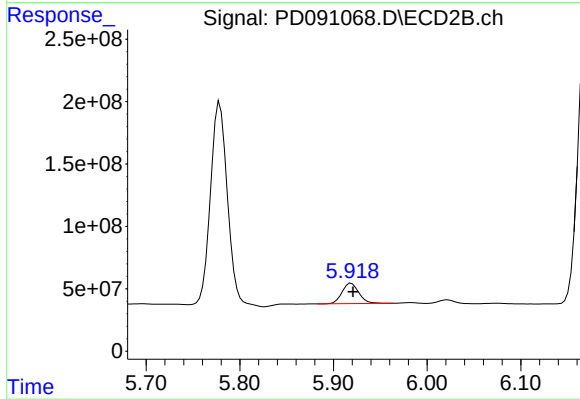
#15 Endosulfan II

R.T.: 6.074 min  
Delta R.T.: 0.002 min  
Response: 6137589  
Conc: 0.16 ng/ml



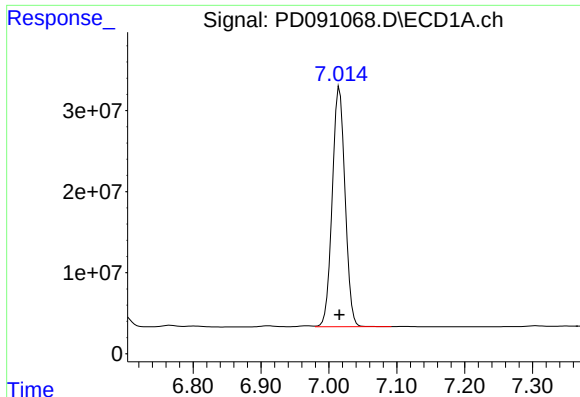
#16 4,4'-DDD

R.T.: 6.700 min  
Delta R.T.: 0.000 min  
Response: 18987278  
Conc: 4.68 ng/ml



#16 4,4'-DDD

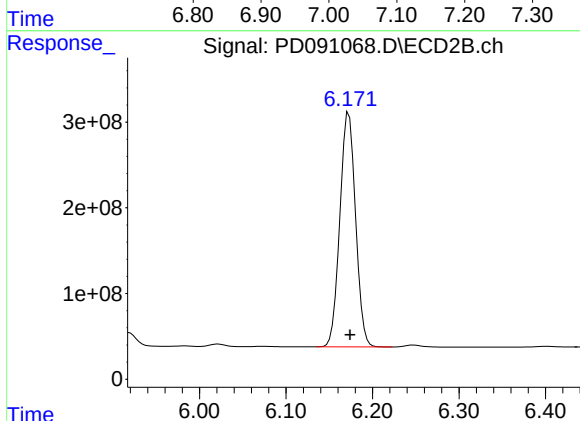
R.T.: 5.919 min  
Delta R.T.: -0.002 min  
Response: 203112457  
Conc: 5.57 ng/ml



#17 4,4'-DDT

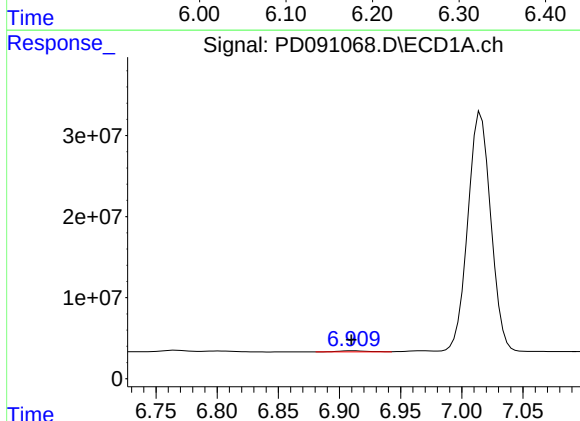
R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 387600269  
Conc: 94.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



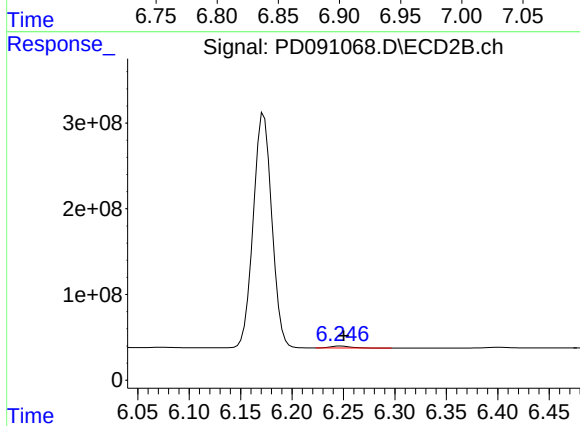
#17 4,4'-DDT

R.T.: 6.173 min  
Delta R.T.: -0.001 min  
Response: 3434848647  
Conc: 97.93 ng/ml



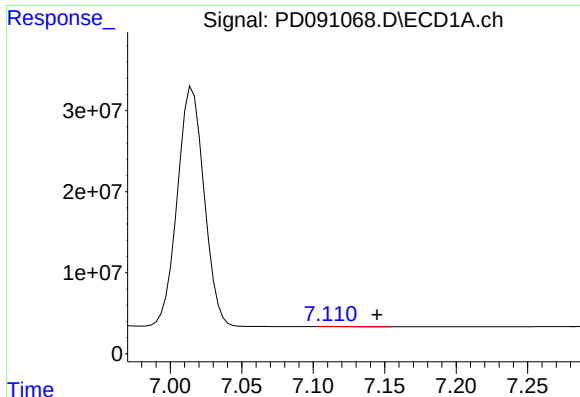
#18 Endrin aldehyde

R.T.: 6.911 min  
Delta R.T.: 0.001 min  
Response: 2224799  
Conc: 0.61 ng/ml



#18 Endrin aldehyde

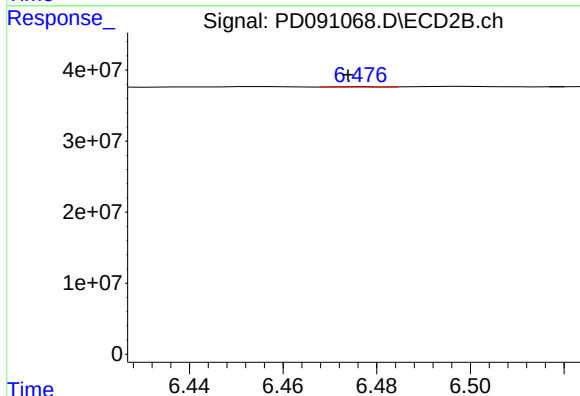
R.T.: 6.248 min  
Delta R.T.: -0.003 min  
Response: 31192702  
Conc: 1.13 ng/ml



#19 Endosulfan Sulfate

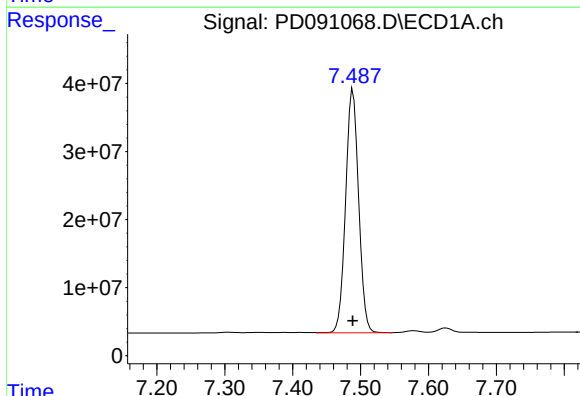
R.T.: 7.111 min  
Delta R.T.: -0.034 min  
Response: 240915  
Conc: 0.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



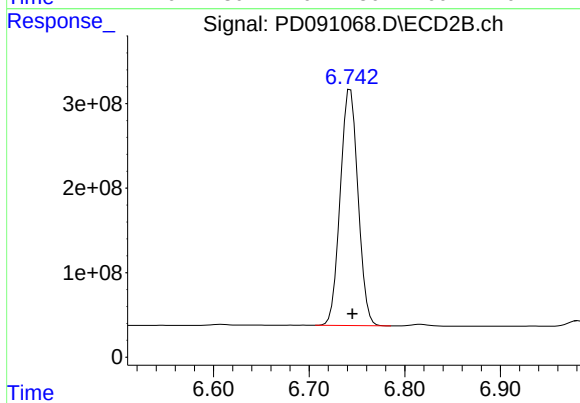
#19 Endosulfan Sulfate

R.T.: 6.477 min  
Delta R.T.: 0.003 min  
Response: 368948  
Conc: 0.01 ng/ml



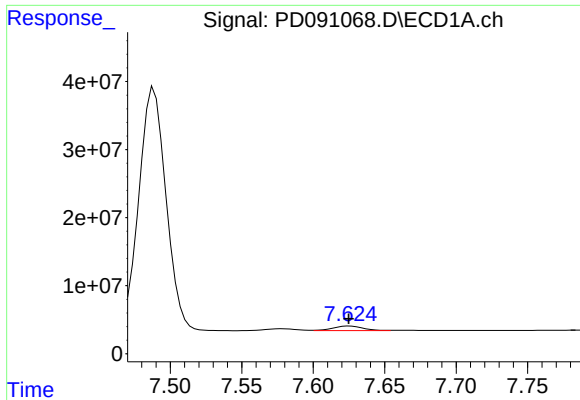
#20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 476410039  
Conc: 224.13 ng/ml



#20 Methoxychlor

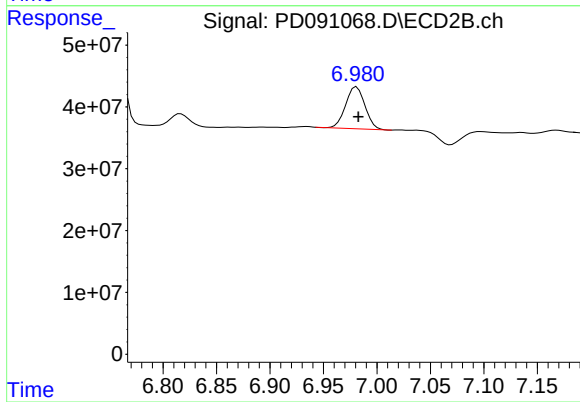
R.T.: 6.743 min  
Delta R.T.: -0.002 min  
Response: 3620446392  
Conc: 207.74 ng/ml



#21 Endrin ketone

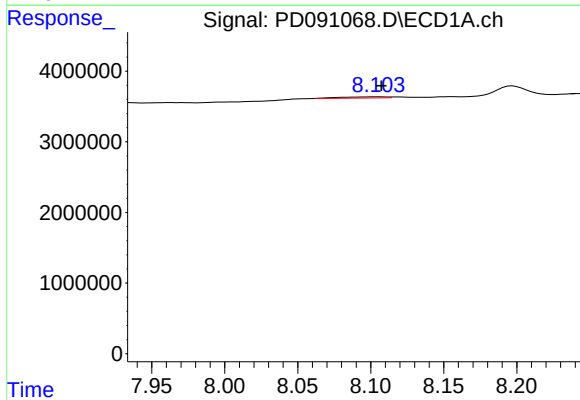
R.T.: 7.626 min  
Delta R.T.: 0.000 min  
Response: 9731957  
Conc: 2.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



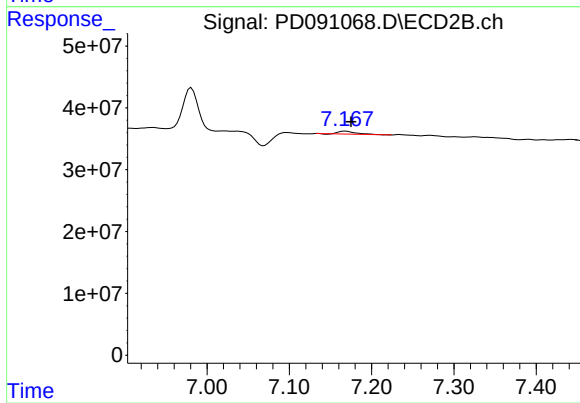
#21 Endrin ketone

R.T.: 6.981 min  
Delta R.T.: -0.002 min  
Response: 85397909  
Conc: 2.26 ng/ml



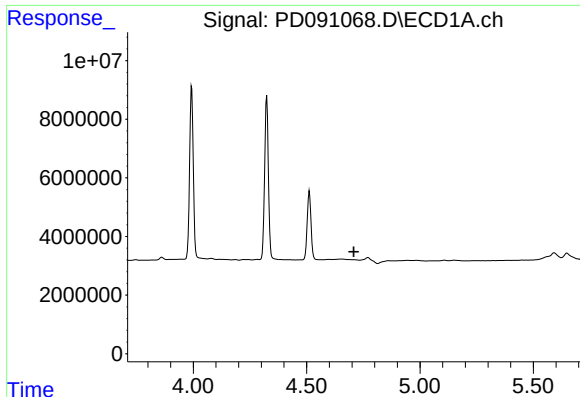
#22 Mirex

R.T.: 8.105 min  
Delta R.T.: -0.002 min  
Response: 359776  
Conc: 0.11 ng/ml



#22 Mirex

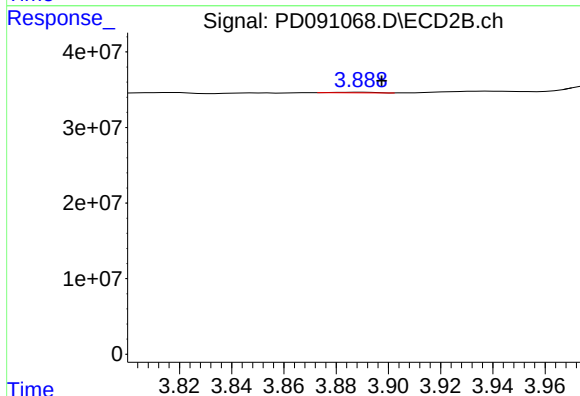
R.T.: 7.168 min  
Delta R.T.: -0.007 min  
Response: 7003517  
Conc: 0.27 ng/ml



#23 Chlordane-1

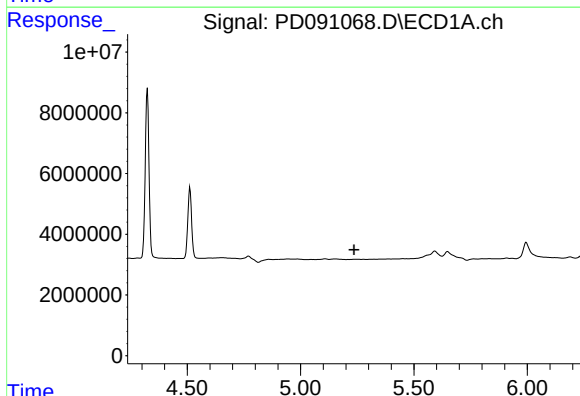
R.T.: 0.000 min  
Exp R.T.: 4.709 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



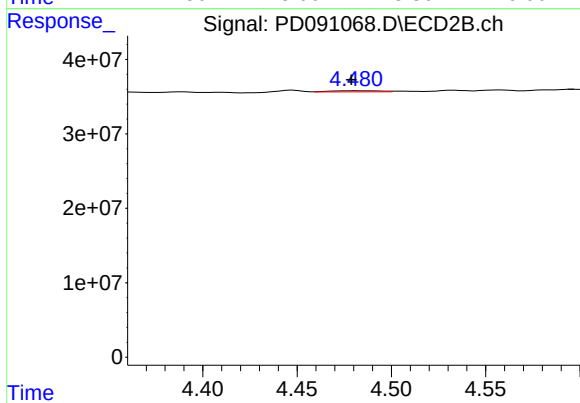
#23 Chlordane-1

R.T.: 3.890 min  
Delta R.T.: -0.008 min  
Response: 795483  
Conc: 0.64 ng/ml



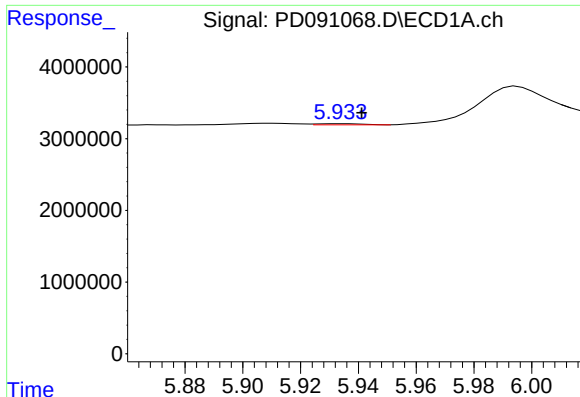
#24 Chlordane-2

R.T.: 0.000 min  
Exp R.T.: 5.236 min  
Response: 0  
Conc: N.D.



#24 Chlordane-2

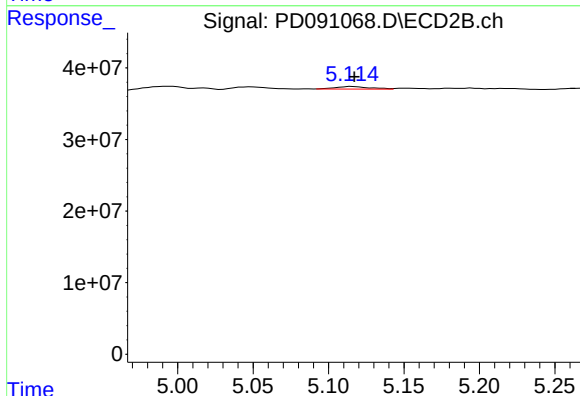
R.T.: 4.482 min  
Delta R.T.: 0.003 min  
Response: 2776729  
Conc: 2.13 ng/ml



#25 Chlordane-3

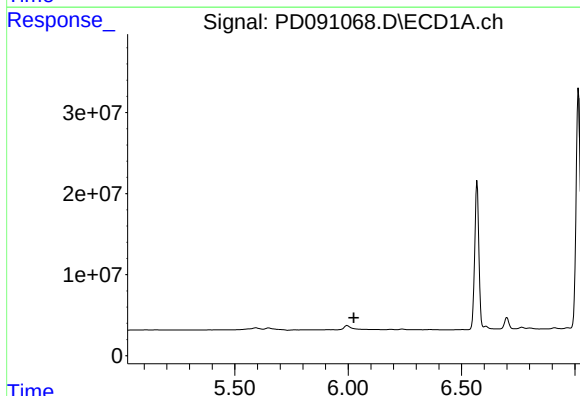
R.T.: 5.934 min  
Delta R.T.: -0.007 min  
Response: 163016  
Conc: 0.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



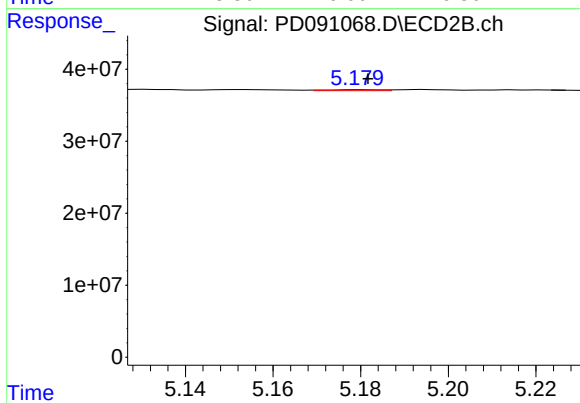
#25 Chlordane-3

R.T.: 5.115 min  
Delta R.T.: -0.002 min  
Response: 5601924  
Conc: 1.44 ng/ml



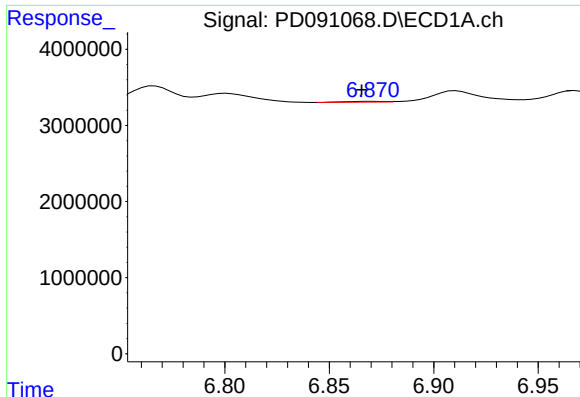
#26 Chlordane-4

R.T.: 0.000 min  
Exp R.T. : 6.025 min  
Response: 0  
Conc: N.D.



#26 Chlordane-4

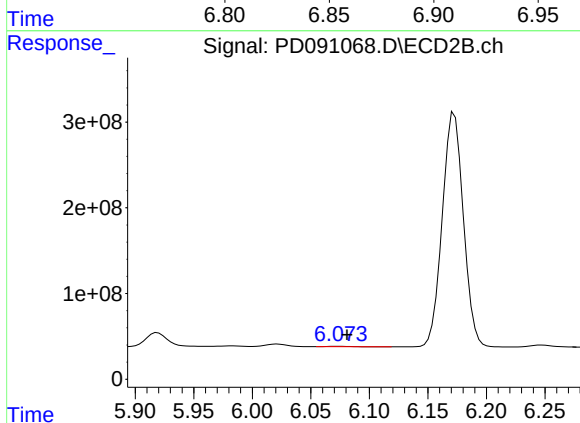
R.T.: 5.180 min  
Delta R.T.: -0.001 min  
Response: 1185133  
Conc: 0.35 ng/ml



#27 Chlordane-5

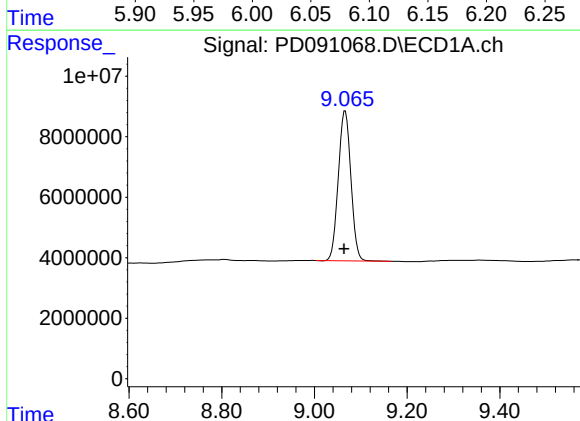
R.T.: 6.871 min  
Delta R.T.: 0.005 min  
Response: 128312  
Conc: 0.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



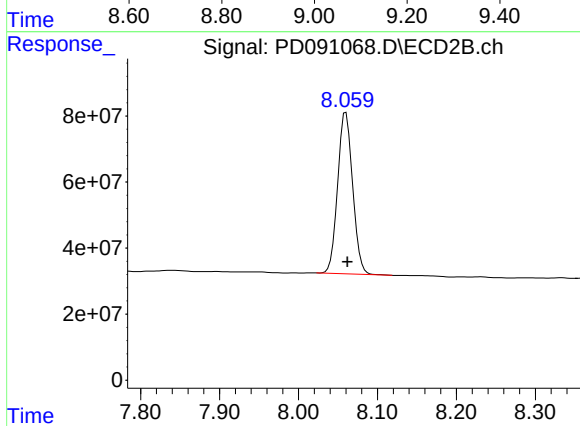
#27 Chlordane-5

R.T.: 6.074 min  
Delta R.T.: -0.007 min  
Response: 6137589  
Conc: 4.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.002 min  
Response: 93559085  
Conc: 20.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min  
Delta R.T.: -0.002 min  
Response: 644287600  
Conc: 21.27 ng/ml