

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD041825\  
 Data File : PD088143.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Apr 2025 18:16  
 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: Apr 19 06:42:27 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD041825.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Apr 19 06:32:27 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... | 3.552  | 2.883  | 44083911 | 330.3E6  | 22.071  | 22.590  |
| 28)                         | SA Decachlor... | 9.075  | 8.076  | 78825629 | 433.3E6  | 23.828  | 23.449  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.001  | 3.396  | 44586718 | 274.6E6  | 10.340  | 12.011  |
| 3)                          | MA gamma-BHC... | 4.332  | 3.732  | 44686277 | 256.9E6  | 10.671  | 11.929  |
| 4)                          | MA Heptachlor   | 4.950f | 0.000  | 282186   | 0        | 0.070   | N.D. #  |
| 5)                          | MB Aldrin       | 0.000  | 4.367  | 0        | 2307518  | N.D.    | 0.111 # |
| 6)                          | B beta-BHC      | 4.516  | 4.028  | 19029033 | 117.4E6  | 11.722  | 12.681  |
| 7)                          | B delta-BHC     | 4.780  | 4.263  | 4671123  | 794075   | 1.132   | 0.037 # |
| 8)                          | B Heptachlo...  | 5.683  | 4.886  | 314552   | 295200   | 0.088   | 0.016 # |
| 10)                         | B gamma-Chl...  | 5.913f | 5.137  | 420100   | 1489008  | 0.116   | 0.073 # |
| 11)                         | B alpha-Chl...  | 0.000  | 5.206  | 0        | 2296794  | N.D.    | 0.117 # |
| 12)                         | B 4,4'-DDE      | 6.200  | 5.381  | 280013   | 2637049  | 0.085   | 0.134 # |
| 13)                         | MA Dieldrin     | 0.000  | 5.502f | 0        | 248047   | N.D.    | 0.012 # |
| 14)                         | MA Endrin       | 6.576  | 5.792  | 158.4E6  | 927.8E6  | 53.113  | 50.974  |
| 15)                         | B Endosulfa...  | 6.772f | 6.088  | 1380184  | 2543064  | 0.441   | 0.145 # |
| 16)                         | A 4,4'-DDD      | 6.707  | 5.935  | 1273991  | 7491226  | 0.507   | 0.457   |
| 17)                         | MA 4,4'-DDT     | 7.023  | 6.187  | 314.9E6  | 1794.8E6 | 113.365 | 105.476 |
| 18)                         | B Endrin al...  | 6.916  | 6.262  | 3678497  | 29555088 | 1.594   | 2.222 # |
| 19)                         | B Endosulfa...  | 0.000  | 6.472  | 0        | 1242395  | N.D.    | 0.073 # |
| 20)                         | A Methoxychlor  | 7.495  | 6.758  | 405.6E6  | 2019.2E6 | 270.467 | 221.383 |
| 21)                         | B Endrin ke...  | 7.632  | 6.994  | 5660856  | 47711568 | 1.834   | 2.551 # |
| 22)                         | Mirex           | 0.000  | 7.182  | 0        | 2323418  | N.D.    | 0.157 # |
| 23)                         | Chlordane-1     | 0.000  | 3.894  | 0        | 400964   | N.D.    | 0.500 # |
| 24)                         | Chlordane-2     | 0.000  | 4.486  | 0        | 2115380  | N.D.    | 2.563 # |
| 25)                         | Chlordane-3     | 0.000  | 5.137  | 0        | 1489008  | N.D.    | 0.589 # |
| 26)                         | Chlordane-4     | 0.000  | 5.206  | 0        | 2296794  | N.D.    | 1.074 # |
| 27)                         | Chlordane-5     | 0.000  | 6.088  | 0        | 2543064  | N.D.    | 2.634 # |
| -----                       |                 |        |        |          |          |         |         |

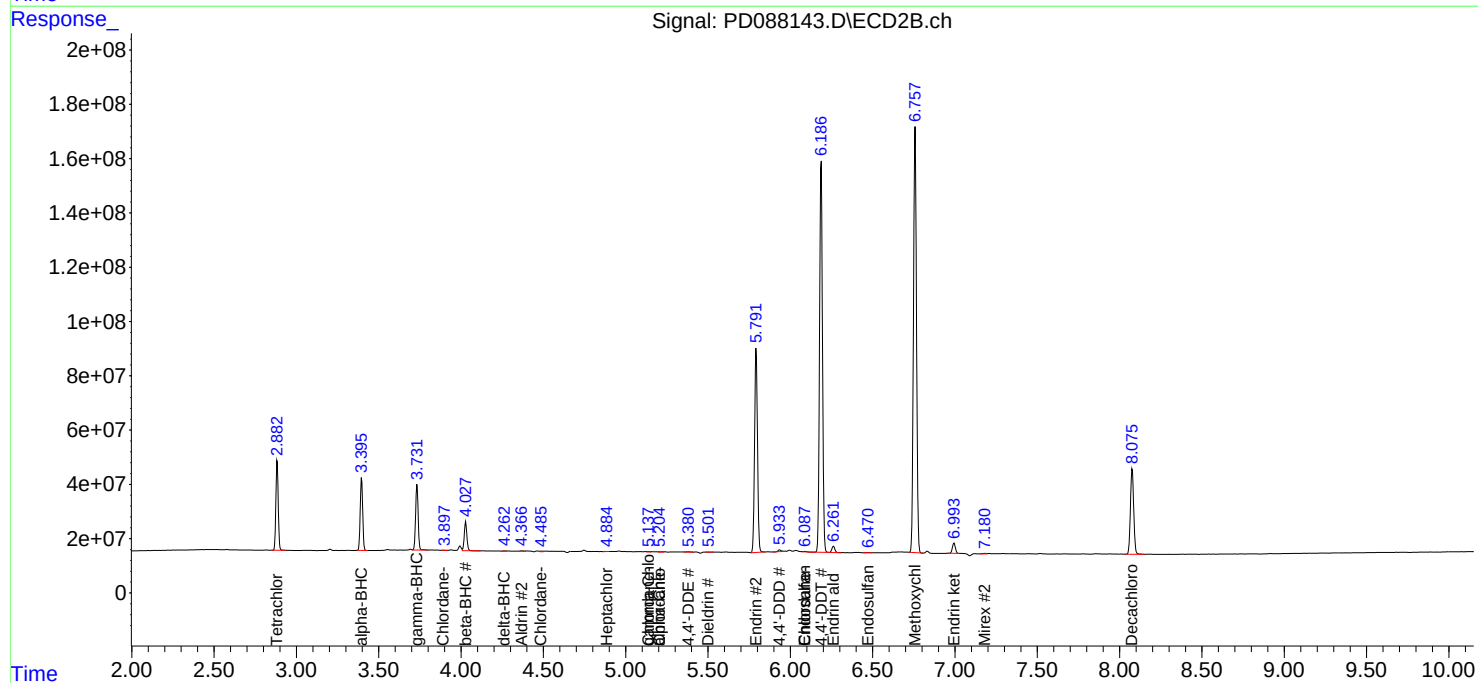
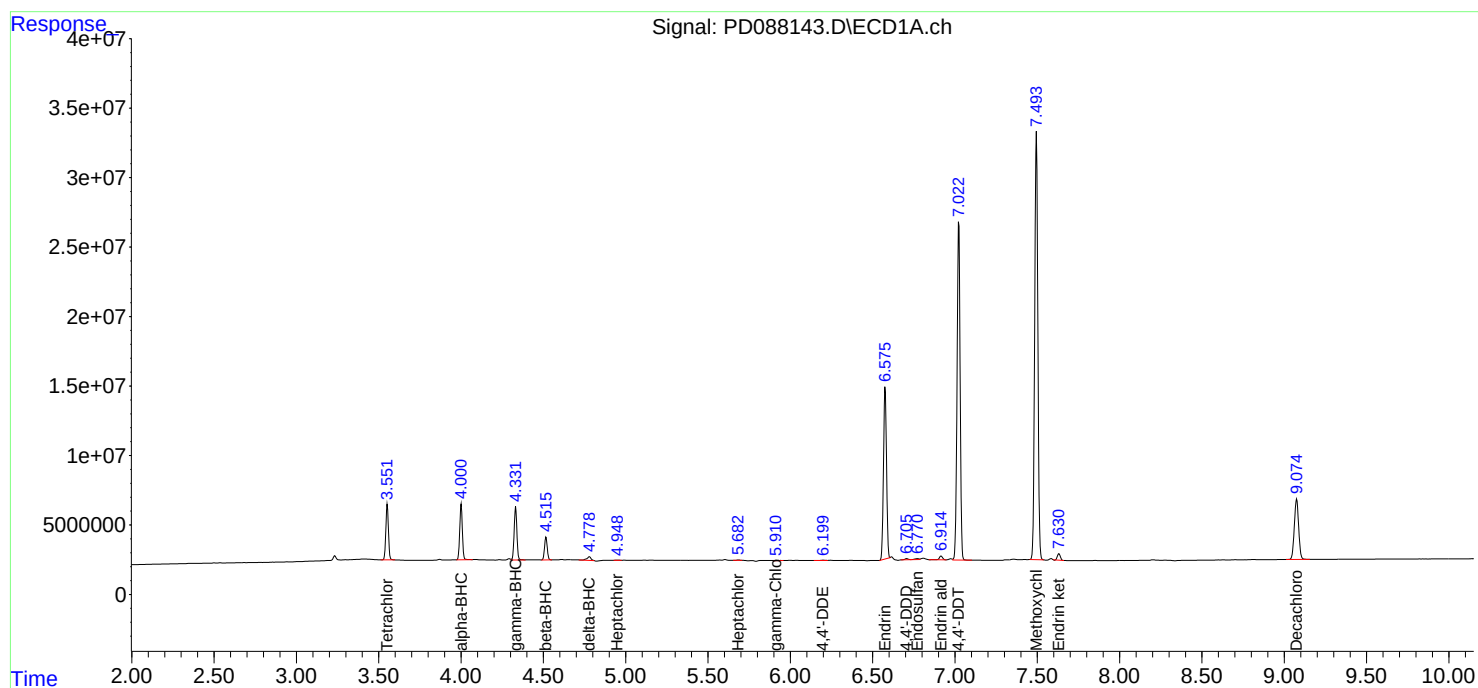
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

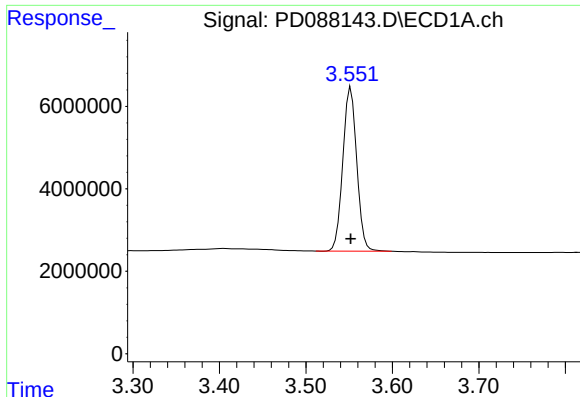
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD041825\  
Data File : PD088143.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Apr 2025 18:16  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 19 06:42:27 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD041825.M  
Quant Title : GC Extractables  
QLast Update : Sat Apr 19 06:32:27 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

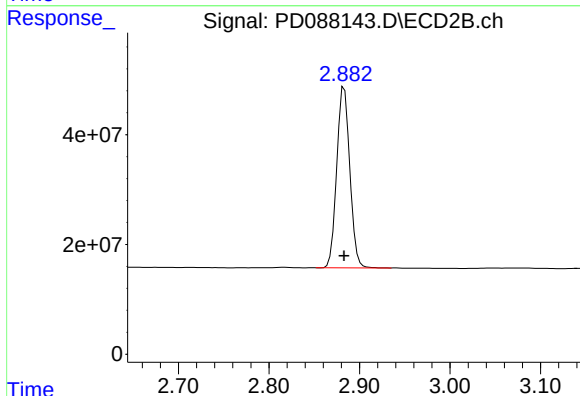




#1 Tetrachloro-m-xylene

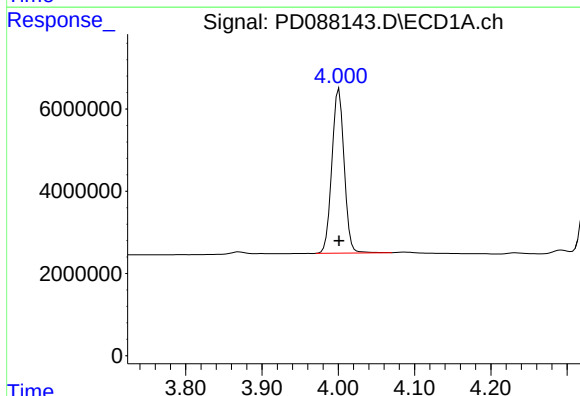
R.T.: 3.552 min  
Delta R.T.: 0.000 min  
Response: 44083911  
Conc: 22.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



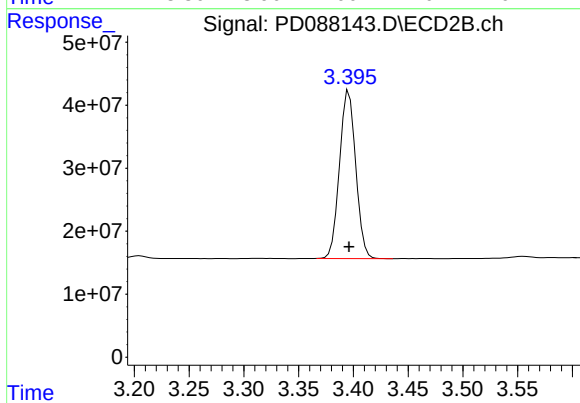
#1 Tetrachloro-m-xylene

R.T.: 2.883 min  
Delta R.T.: 0.000 min  
Response: 330303906  
Conc: 22.59 ng/ml



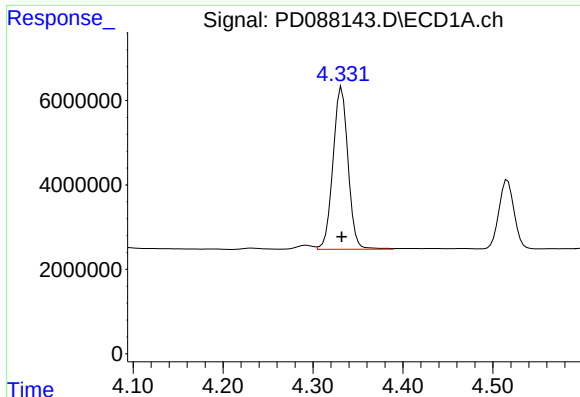
#2 alpha-BHC

R.T.: 4.001 min  
Delta R.T.: 0.000 min  
Response: 44586718  
Conc: 10.34 ng/ml



#2 alpha-BHC

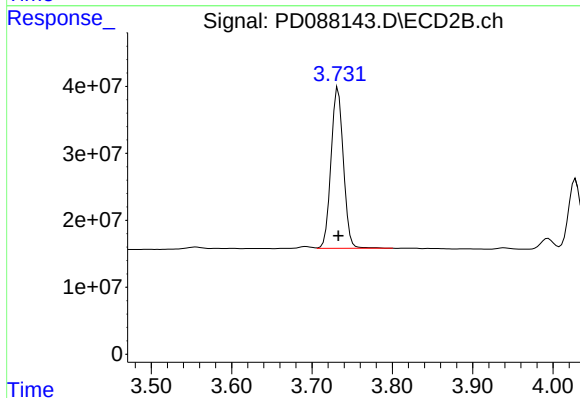
R.T.: 3.396 min  
Delta R.T.: 0.000 min  
Response: 274595847  
Conc: 12.01 ng/ml



#3 gamma-BHC (Lindane)

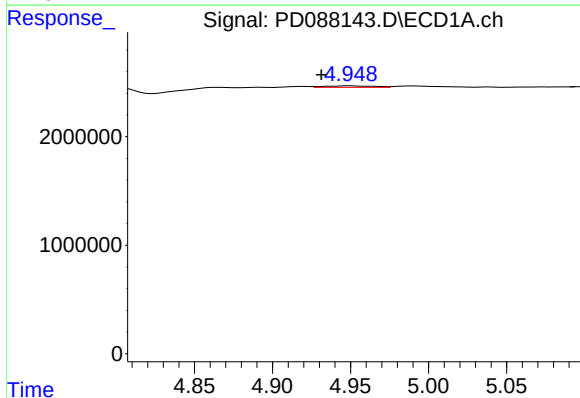
R.T.: 4.332 min  
Delta R.T.: 0.000 min  
Response: 44686277  
Conc: 10.67 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



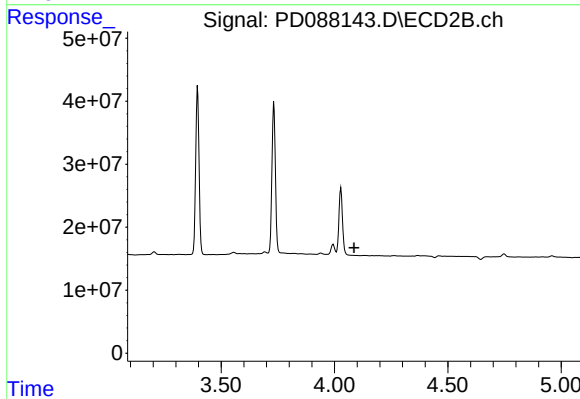
#3 gamma-BHC (Lindane)

R.T.: 3.732 min  
Delta R.T.: 0.000 min  
Response: 256941272  
Conc: 11.93 ng/ml



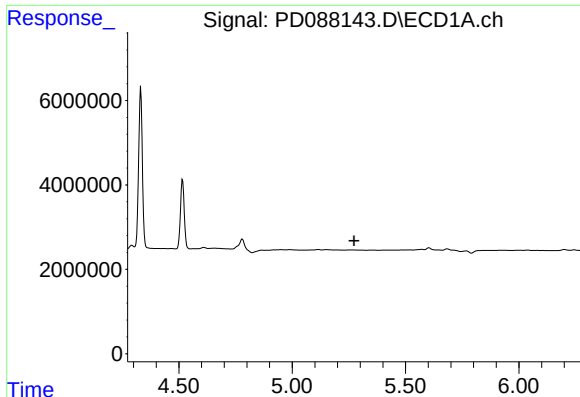
#4 Heptachlor

R.T.: 4.950 min  
Delta R.T.: 0.019 min  
Response: 282186  
Conc: 0.07 ng/ml



#4 Heptachlor

R.T.: 0.000 min  
Exp R.T. : 4.086 min  
Response: 0  
Conc: N.D.



#5 Aldrin

R.T.: 0.000 min  
Exp R.T.: 5.273 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

#5 Aldrin

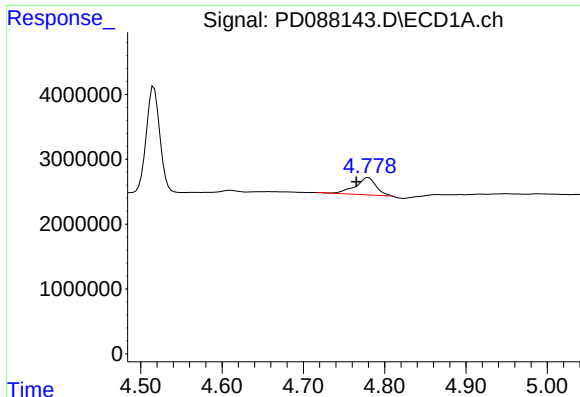
R.T.: 4.367 min  
Delta R.T.: -0.005 min  
Response: 2307518  
Conc: 0.11 ng/ml

#6 beta-BHC

R.T.: 4.516 min  
Delta R.T.: 0.000 min  
Response: 19029033  
Conc: 11.72 ng/ml

#6 beta-BHC

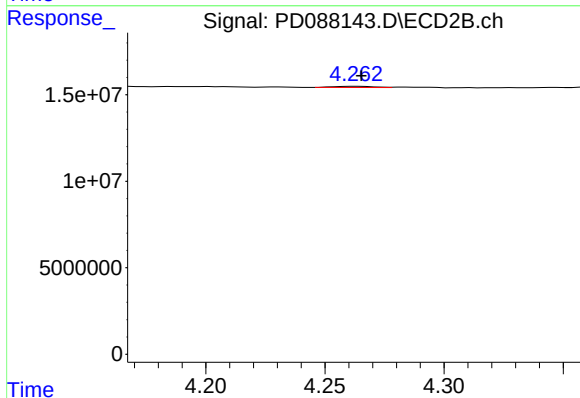
R.T.: 4.028 min  
Delta R.T.: 0.000 min  
Response: 117353815  
Conc: 12.68 ng/ml



#7 delta-BHC

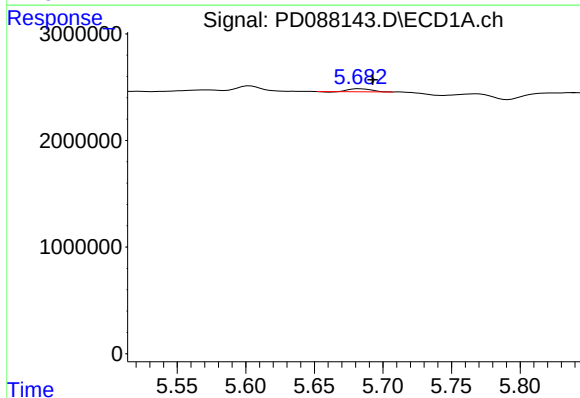
R.T.: 4.780 min  
Delta R.T.: 0.015 min  
Response: 4671123  
Conc: 1.13 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



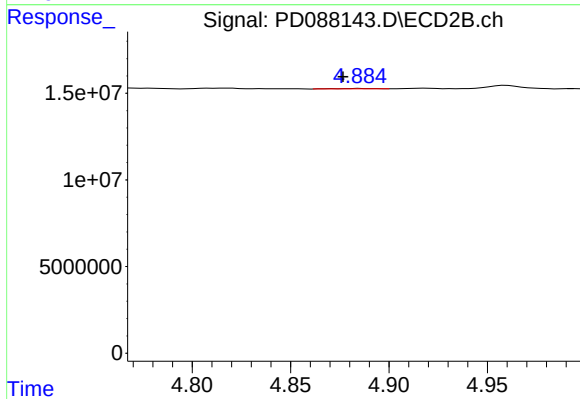
#7 delta-BHC

R.T.: 4.263 min  
Delta R.T.: -0.002 min  
Response: 794075  
Conc: 0.04 ng/ml



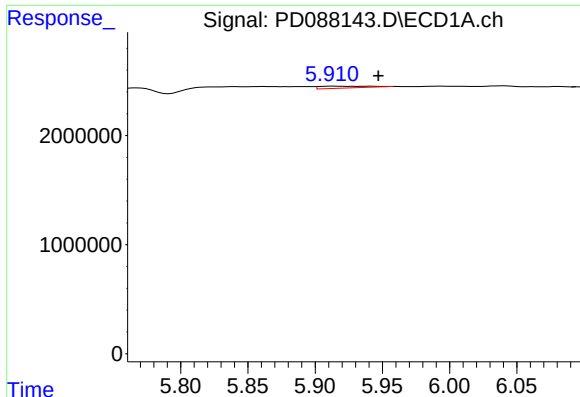
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: -0.009 min  
Response: 314552  
Conc: 0.09 ng/ml



#8 Heptachlor epoxide

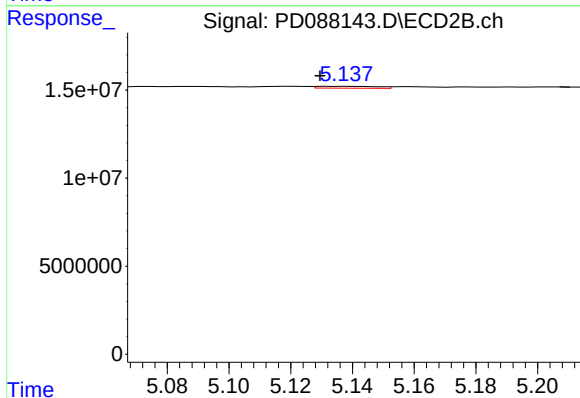
R.T.: 4.886 min  
Delta R.T.: 0.009 min  
Response: 295200  
Conc: 0.02 ng/ml



#10 gamma-Chlordane

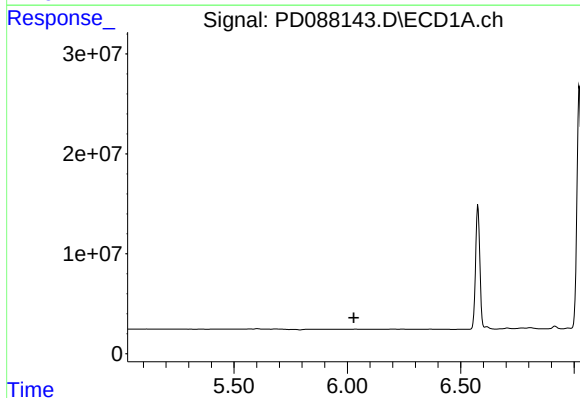
R.T.: 5.913 min  
Delta R.T.: -0.034 min  
Response: 420100  
Conc: 0.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



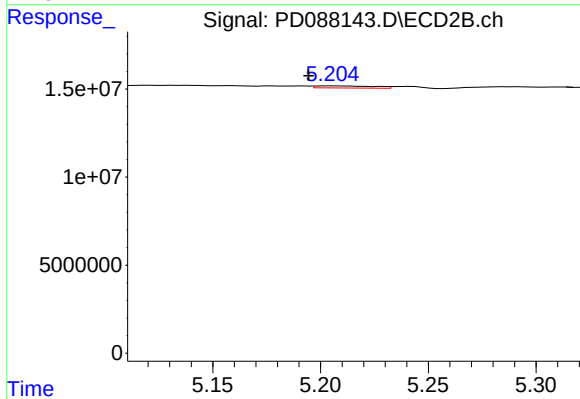
#10 gamma-Chlordane

R.T.: 5.137 min  
Delta R.T.: 0.008 min  
Response: 1489008  
Conc: 0.07 ng/ml



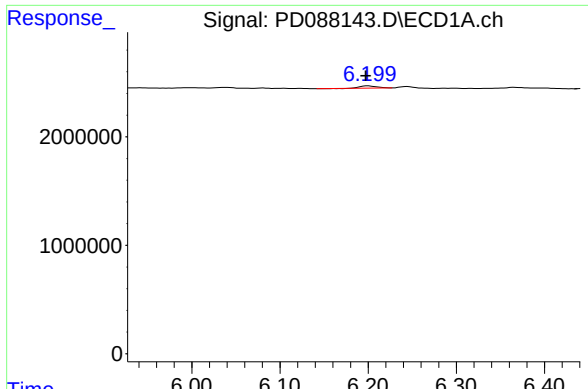
#11 alpha-Chlordane

R.T.: 0.000 min  
Exp R.T. : 6.029 min  
Response: 0  
Conc: N.D.



#11 alpha-Chlordane

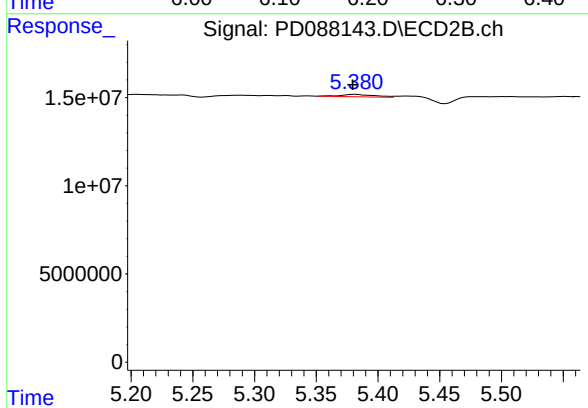
R.T.: 5.206 min  
Delta R.T.: 0.011 min  
Response: 2296794  
Conc: 0.12 ng/ml



#12 4,4'-DDE

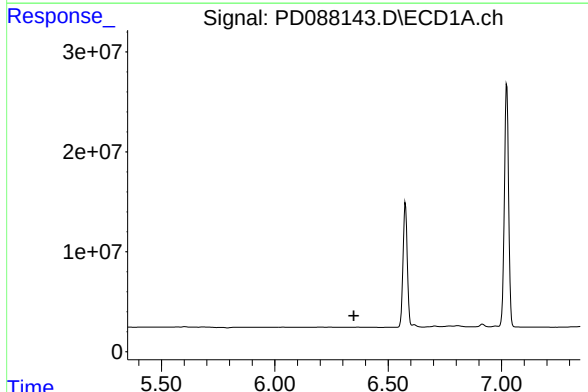
R.T.: 6.200 min  
Delta R.T.: 0.003 min  
Response: 280013  
Conc: 0.08 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



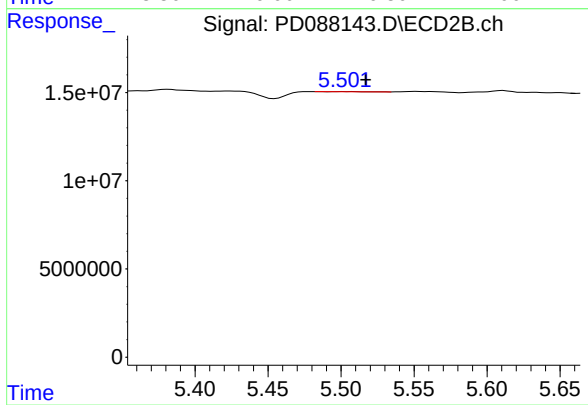
#12 4,4'-DDE

R.T.: 5.381 min  
Delta R.T.: 0.002 min  
Response: 2637049  
Conc: 0.13 ng/ml



#13 Dieldrin

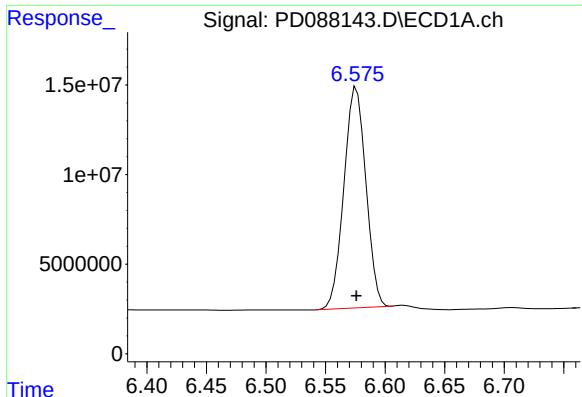
R.T.: 0.000 min  
Exp R.T. : 6.349 min  
Response: 0  
Conc: N.D.



#13 Dieldrin

R.T.: 5.502 min  
Delta R.T.: -0.015 min  
Response: 248047  
Conc: 0.01 ng/ml

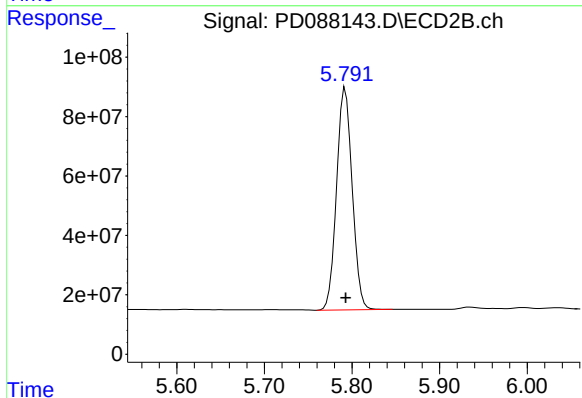




#14 Endrin

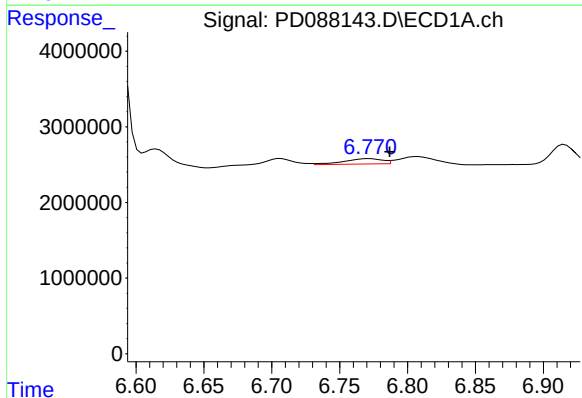
R.T.: 6.576 min  
Delta R.T.: 0.000 min  
Response: 158413170  
Conc: 53.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



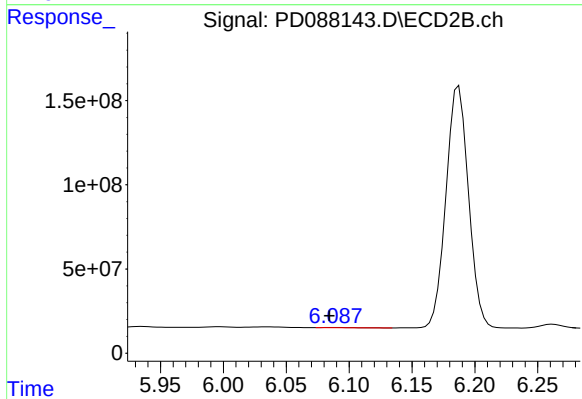
#14 Endrin

R.T.: 5.792 min  
Delta R.T.: 0.000 min  
Response: 927839797  
Conc: 50.97 ng/ml



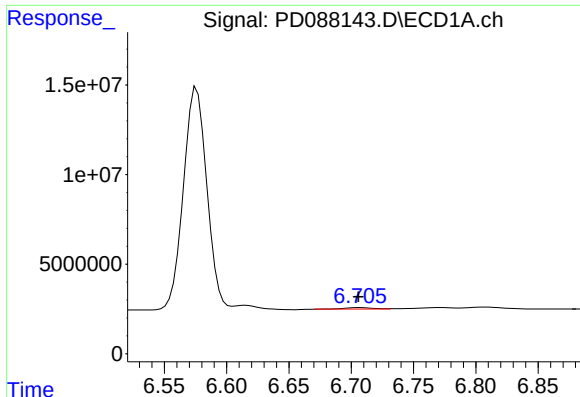
#15 Endosulfan II

R.T.: 6.772 min  
Delta R.T.: -0.015 min  
Response: 1380184  
Conc: 0.44 ng/ml



#15 Endosulfan II

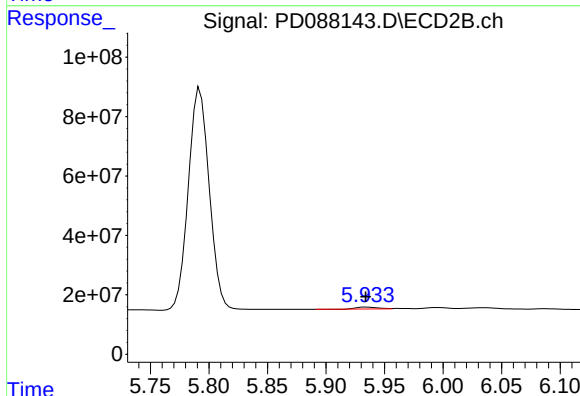
R.T.: 6.088 min  
Delta R.T.: 0.004 min  
Response: 2543064  
Conc: 0.15 ng/ml



#16 4,4'-DDD

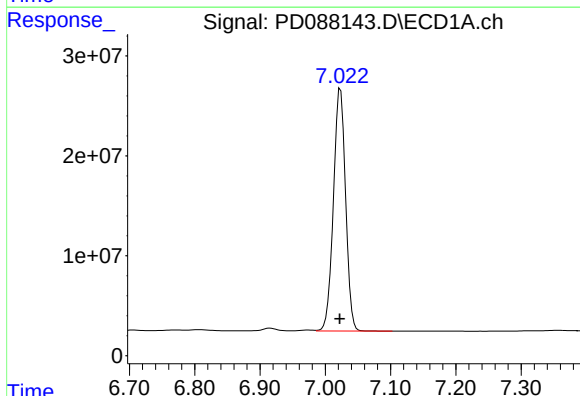
R.T.: 6.707 min  
Delta R.T.: 0.000 min  
Response: 1273991  
Conc: 0.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



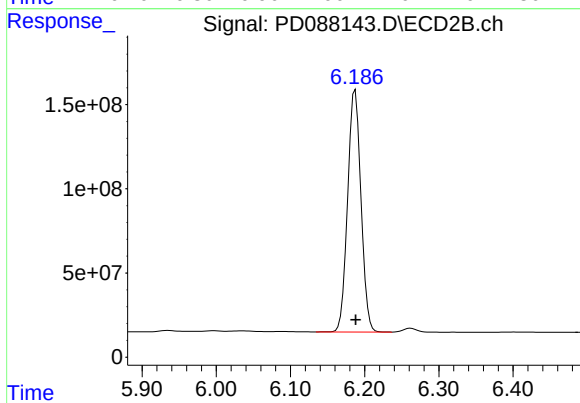
#16 4,4'-DDD

R.T.: 5.935 min  
Delta R.T.: 0.000 min  
Response: 7491226  
Conc: 0.46 ng/ml



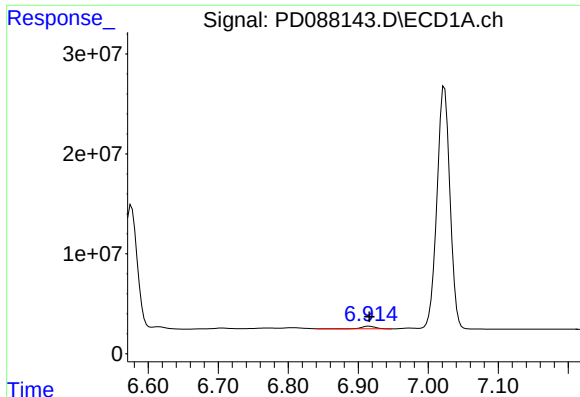
#17 4,4'-DDT

R.T.: 7.023 min  
Delta R.T.: 0.001 min  
Response: 314874843  
Conc: 113.36 ng/ml



#17 4,4'-DDT

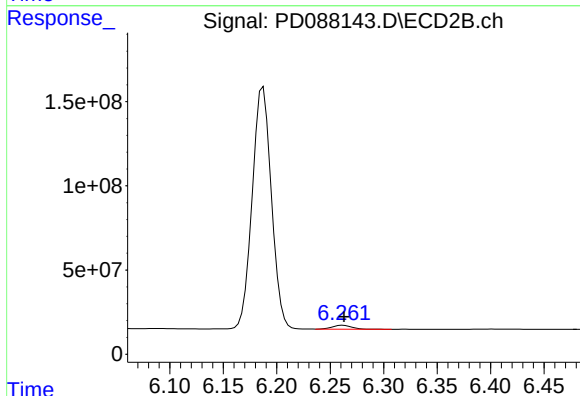
R.T.: 6.187 min  
Delta R.T.: 0.000 min  
Response: 1794829863  
Conc: 105.48 ng/ml



#18 Endrin aldehyde

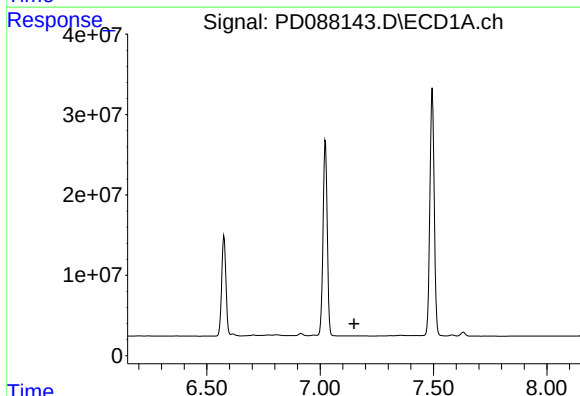
R.T.: 6.916 min  
Delta R.T.: 0.000 min  
Response: 3678497  
Conc: 1.59 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



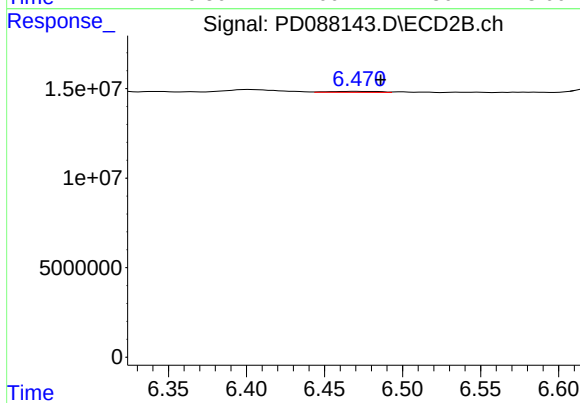
#18 Endrin aldehyde

R.T.: 6.262 min  
Delta R.T.: 0.000 min  
Response: 29555088  
Conc: 2.22 ng/ml



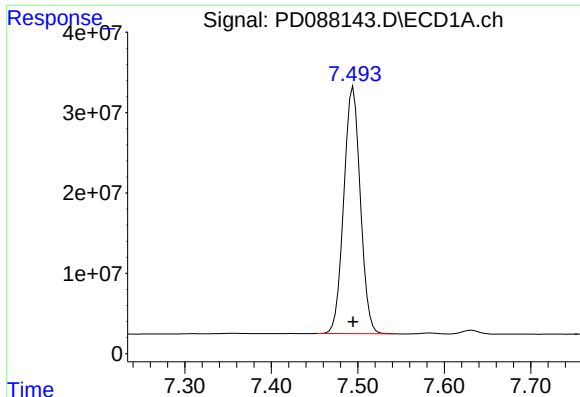
#19 Endosulfan Sulfate

R.T.: 0.000 min  
Exp R.T. : 7.150 min  
Response: 0  
Conc: N.D.



#19 Endosulfan Sulfate

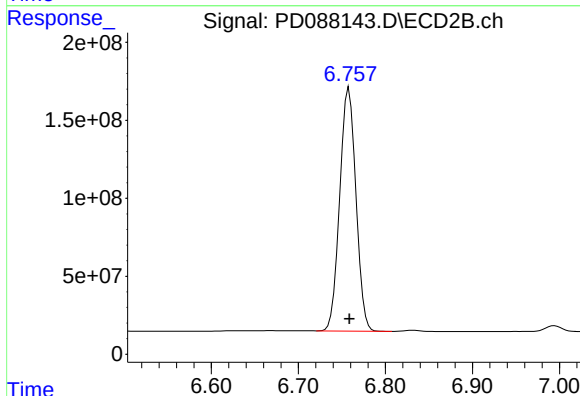
R.T.: 6.472 min  
Delta R.T.: -0.014 min  
Response: 1242395  
Conc: 0.07 ng/ml



#20 Methoxychlor

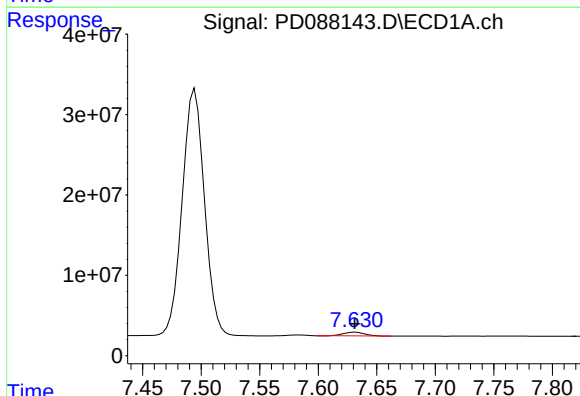
R.T.: 7.495 min  
Delta R.T.: 0.000 min  
Response: 405577319  
Conc: 270.47 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



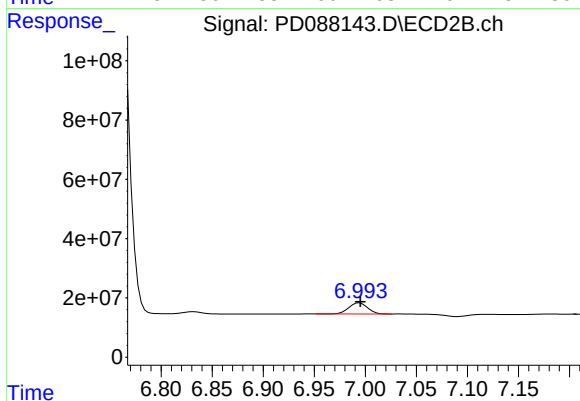
#20 Methoxychlor

R.T.: 6.758 min  
Delta R.T.: 0.000 min  
Response: 2019249497  
Conc: 221.38 ng/ml



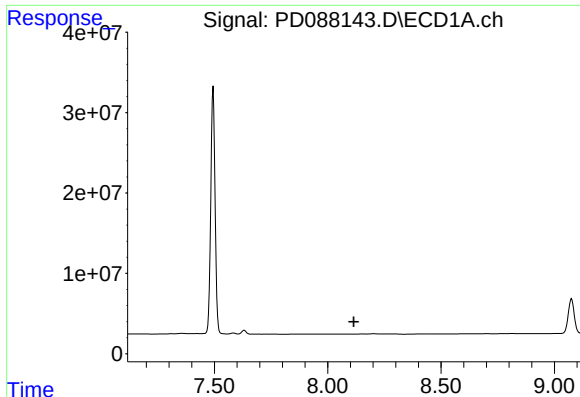
#21 Endrin ketone

R.T.: 7.632 min  
Delta R.T.: 0.000 min  
Response: 5660856  
Conc: 1.83 ng/ml



#21 Endrin ketone

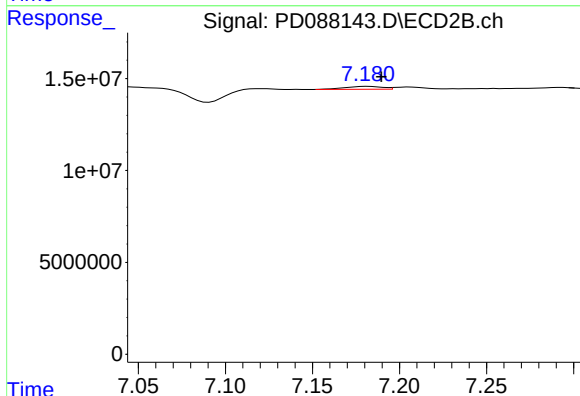
R.T.: 6.994 min  
Delta R.T.: 0.000 min  
Response: 47711568  
Conc: 2.55 ng/ml



#22 Mirex

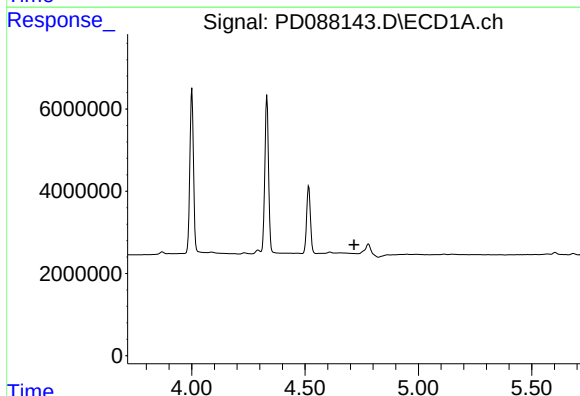
R.T.: 0.000 min  
Exp R.T.: 8.115 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



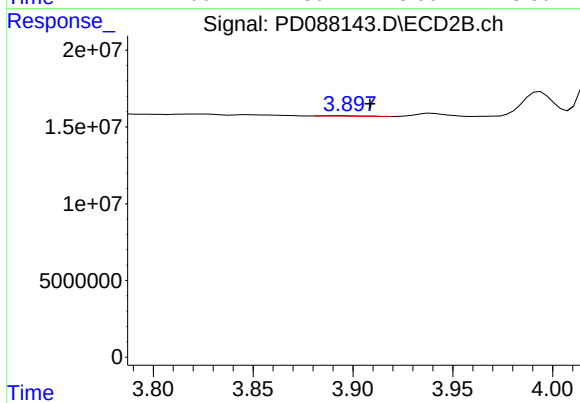
#22 Mirex

R.T.: 7.182 min  
Delta R.T.: -0.008 min  
Response: 2323418  
Conc: 0.16 ng/ml



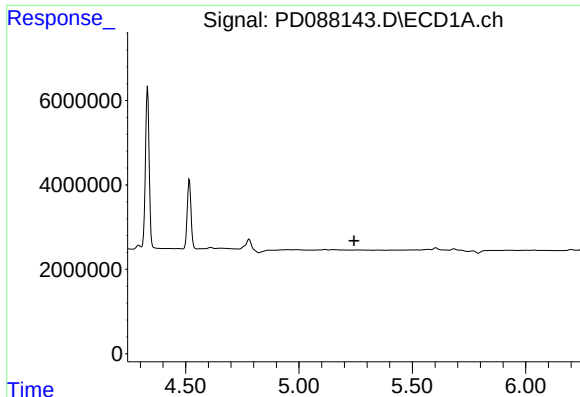
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T.: 4.717 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

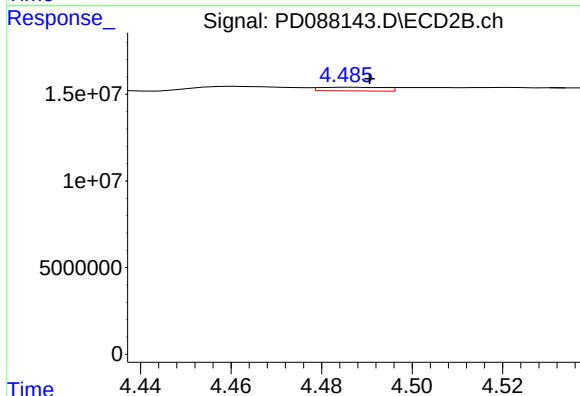
R.T.: 3.894 min  
Delta R.T.: -0.015 min  
Response: 400964  
Conc: 0.50 ng/ml



#24 Chlordane-2

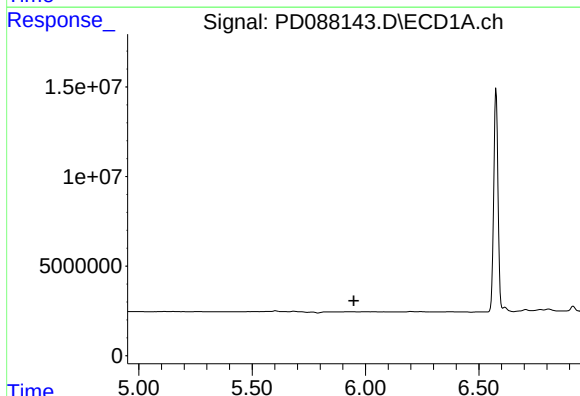
R.T.: 0.000 min  
Exp R.T.: 5.243 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



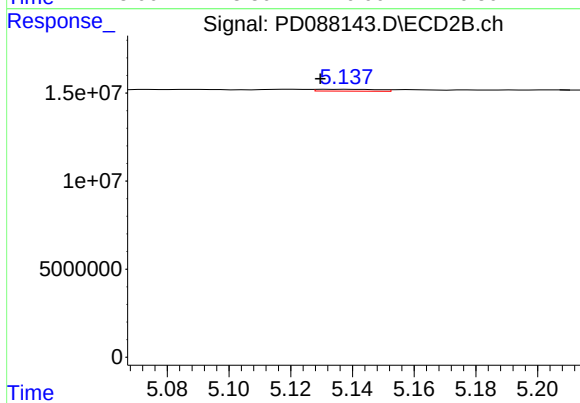
#24 Chlordane-2

R.T.: 4.486 min  
Delta R.T.: -0.004 min  
Response: 2115380  
Conc: 2.56 ng/ml



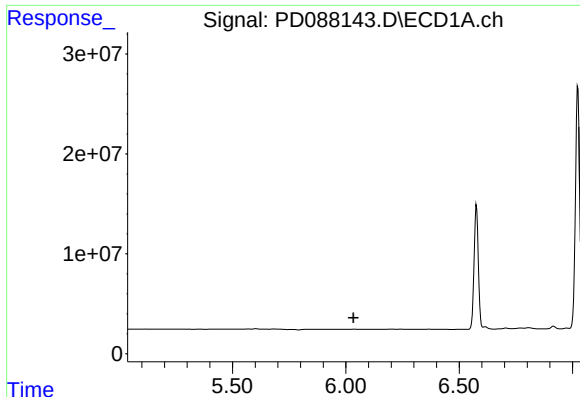
#25 Chlordane-3

R.T.: 0.000 min  
Exp R.T.: 5.948 min  
Response: 0  
Conc: N.D.



#25 Chlordane-3

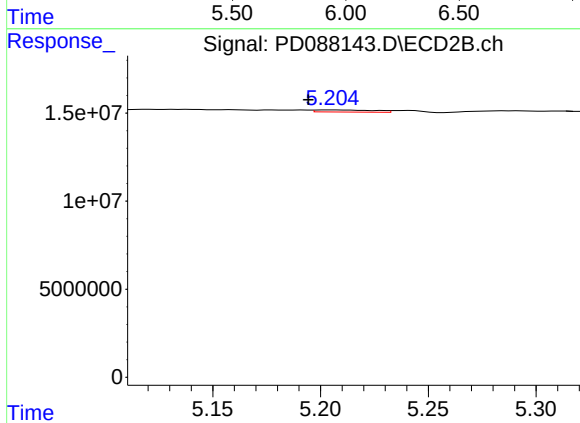
R.T.: 5.137 min  
Delta R.T.: 0.008 min  
Response: 1489008  
Conc: 0.59 ng/ml



#26 Chlordane-4

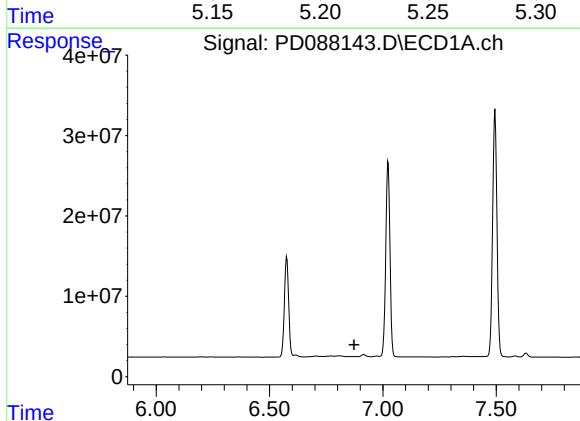
R.T.: 0.000 min  
Exp R.T.: 6.034 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



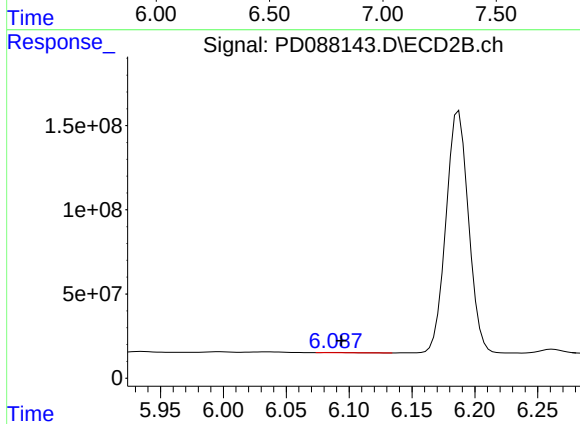
#26 Chlordane-4

R.T.: 5.206 min  
Delta R.T.: 0.011 min  
Response: 2296794  
Conc: 1.07 ng/ml



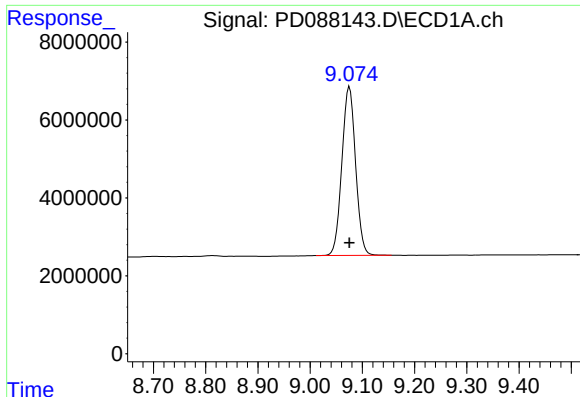
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T.: 6.873 min  
Response: 0  
Conc: N.D.



#27 Chlordane-5

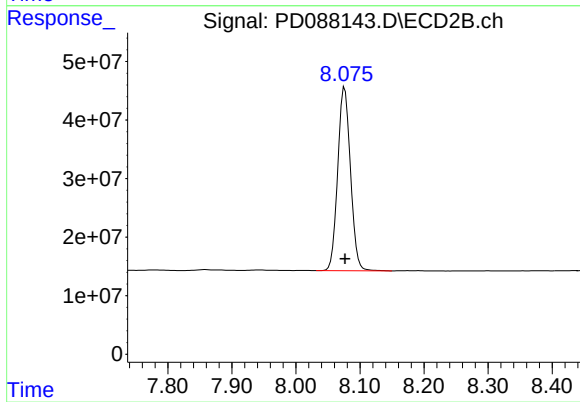
R.T.: 6.088 min  
Delta R.T.: -0.006 min  
Response: 2543064  
Conc: 2.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min  
Delta R.T.: 0.000 min  
Response: 78825629  
Conc: 23.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



#28 Decachlorobiphenyl

R.T.: 8.076 min  
Delta R.T.: 0.000 min  
Response: 433328823  
Conc: 23.45 ng/ml