

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD081525\  
 Data File : PD089889.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 Aug 2025 12:19  
 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 14 13:54:48 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD073125.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Aug 01 07:03:58 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... | 3.548  | 2.878  | 44987226 | 365.5E6  | 18.239  | 23.079 #  |
| 28)                         | SA Decachlor... | 9.070  | 8.066  | 65193590 | 436.2E6  | 17.543  | 21.723    |
| Target Compounds            |                 |        |        |          |          |         |           |
| 2)                          | A alpha-BHC     | 3.997  | 3.390  | 43353836 | 310.9E6  | 8.752   | 12.791 #  |
| 3)                          | MA gamma-BHC... | 4.328  | 3.726  | 43356268 | 280.9E6  | 9.123   | 12.473 #  |
| 4)                          | MA Heptachlor   | 4.951f | 4.076  | 527932   | 1131885  | 0.110   | 0.049 #   |
| 5)                          | MB Aldrin       | 5.255  | 4.362  | 398695   | 2270324  | 0.087   | 0.102     |
| 6)                          | B beta-BHC      | 4.515  | 4.022  | 18379276 | 120.0E6  | 9.963   | 12.433    |
| 7)                          | B delta-BHC     | 4.773  | 4.247  | 1827476  | 776757   | 0.398   | 0.034 #   |
| 8)                          | B Heptachlo...  | 5.681  | 4.876  | 8023190  | 5374660  | 1.919   | 0.262 #   |
| 9)                          | A Endosulfan I  | 0.000  | 5.222f | 0        | 15189833 | N.D.    | 0.777 #   |
| 10)                         | B gamma-Chl...  | 5.941  | 5.123  | 322783   | 21853430 | 0.077   | 1.009 #   |
| 11)                         | B alpha-Chl...  | 6.029  | 5.182  | 876638   | 34791548 | 0.209   | 1.671 #   |
| 12)                         | B 4,4'-DDE      | 6.199  | 5.373  | 212874   | 2439708  | 0.057   | 0.115 #   |
| 13)                         | MA Dieldrin     | 0.000  | 5.509  | 0        | 3190518  | N.D.    | 0.147 #   |
| 14)                         | MA Endrin       | 6.571  | 5.785  | 161.5E6  | 1131.8E6 | 45.128  | 56.803 #  |
| 15)                         | B Endosulfa...  | 6.769  | 6.080  | 3801688  | 4650899  | 1.036   | 0.247 #   |
| 16)                         | A 4,4'-DDD      | 6.703  | 5.926  | 12407912 | 25125548 | 4.143   | 1.425 #   |
| 17)                         | MA 4,4'-DDT     | 7.019  | 6.178  | 283.4E6  | 2023.8E6 | 84.341  | 110.155 # |
| 18)                         | B Endrin al...  | 6.915  | 6.253  | 939247   | 13738565 | 0.376   | 1.063 #   |
| 19)                         | B Endosulfa...  | 0.000  | 6.471  | 0        | 1496799  | N.D.    | 0.081 #   |
| 20)                         | A Methoxychlor  | 7.491  | 6.749  | 348.0E6  | 2147.3E6 | 194.610 | 219.216   |
| 21)                         | B Endrin ke...  | 7.628  | 6.984  | 1629300  | 9813797  | 0.439   | 0.489     |
| 22)                         | Mirex           | 8.118  | 7.173  | 265729   | 4316675  | 0.095   | 0.284 #   |
| 23)                         | Chlordane-1     | 0.000  | 3.895  | 0        | 1580289  | N.D.    | 2.161 #   |
| 24)                         | Chlordane-2     | 5.255  | 4.494  | 398695   | 27354322 | 2.346   | 35.787 #  |
| 25)                         | Chlordane-3     | 5.941  | 5.123  | 322783   | 21853430 | 0.471   | 9.443 #   |
| 26)                         | Chlordane-4     | 6.029  | 5.182  | 876638   | 34791548 | 1.047   | 17.487 #  |
| 27)                         | Chlordane-5     | 6.872  | 6.080  | 145234   | 4650899  | 1.007   | 5.141 #   |
| -----                       |                 |        |        |          |          |         |           |

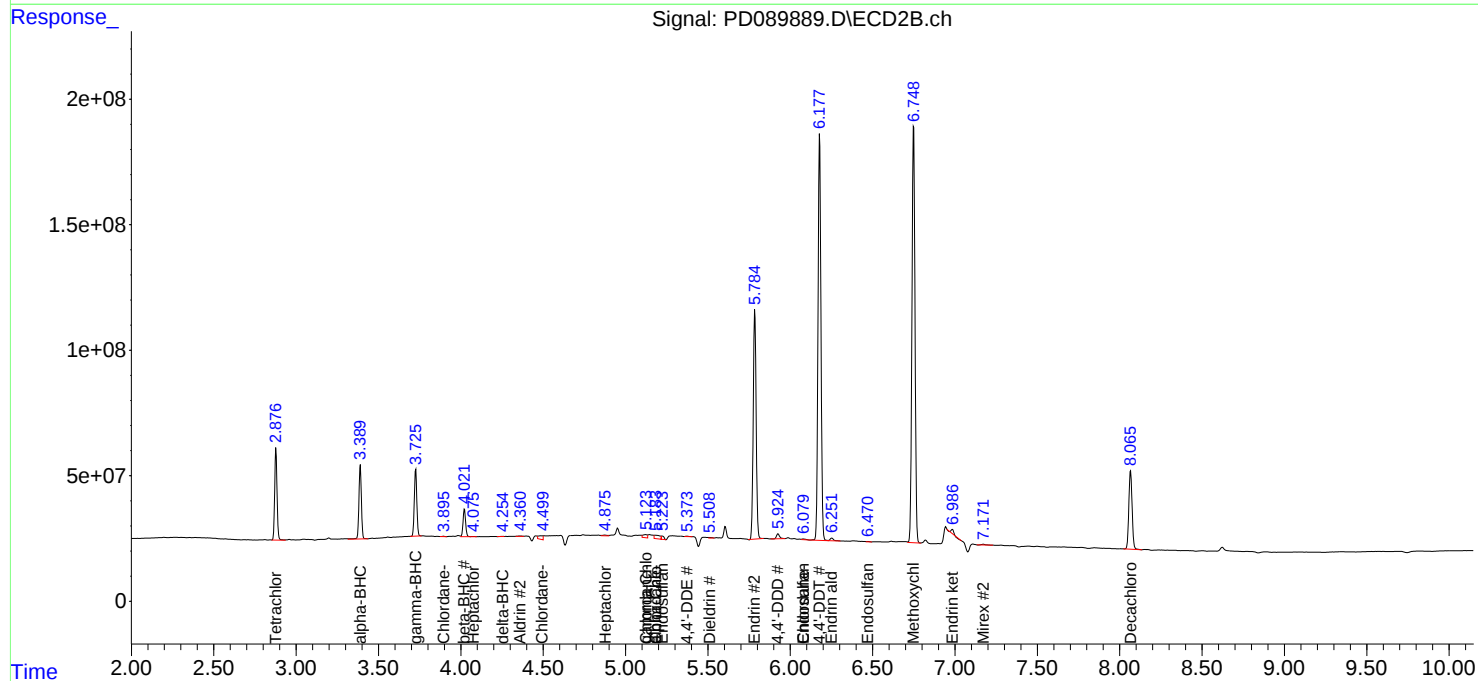
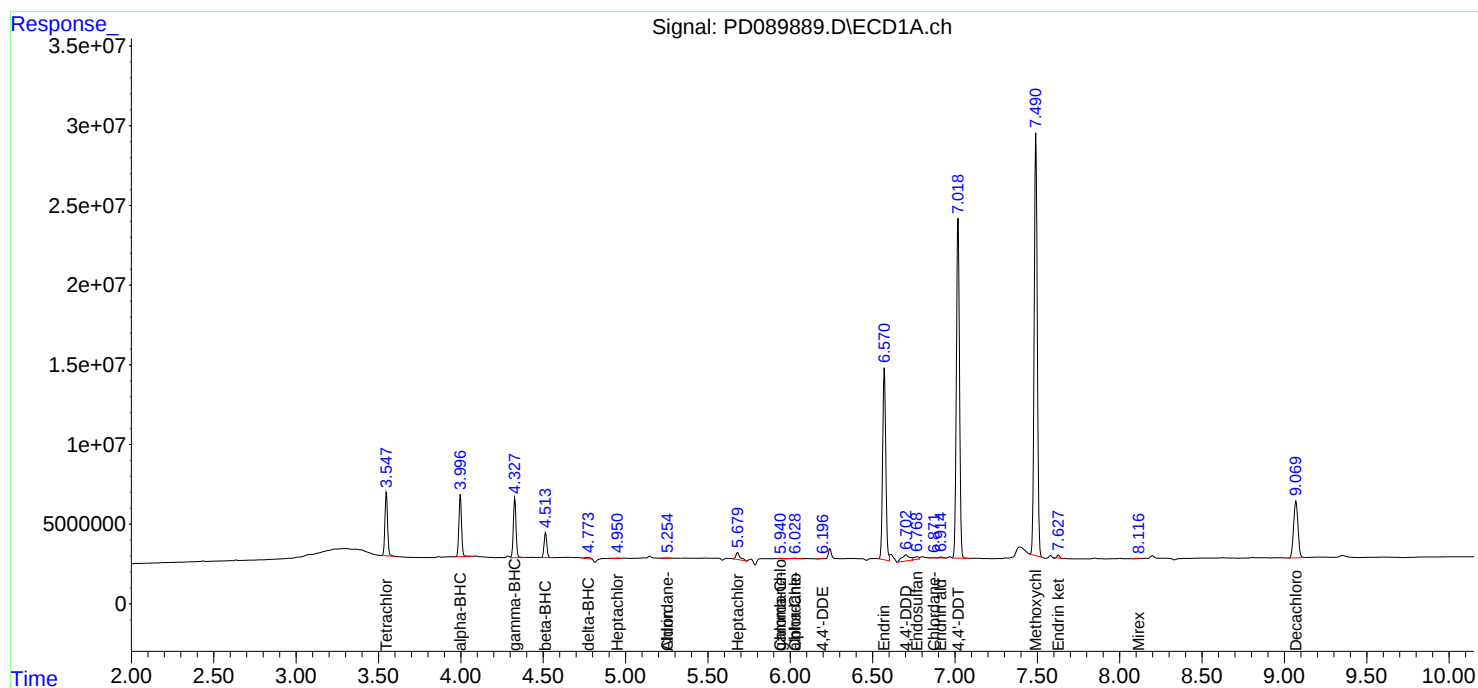
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

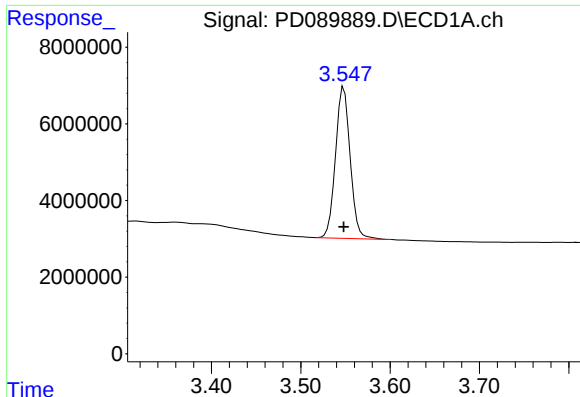
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD081525\  
Data File : PD089889.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 14 Aug 2025 12:19  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 14 13:54:48 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD073125.M  
Quant Title : GC Extractables  
QLast Update : Fri Aug 01 07:03:58 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

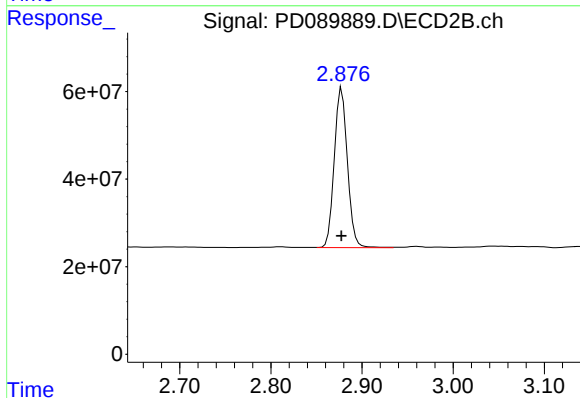




#1 Tetrachloro-m-xylene

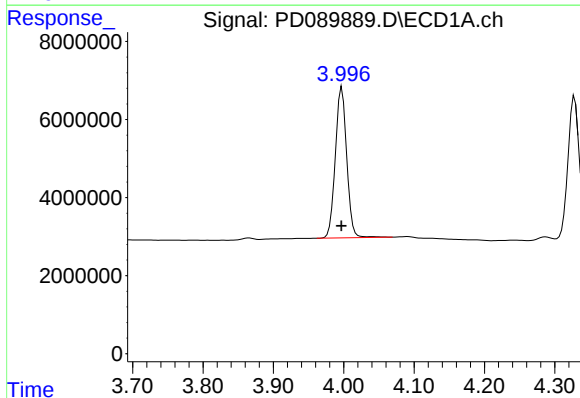
R.T.: 3.548 min  
Delta R.T.: 0.000 min  
Response: 44987226  
Conc: 18.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



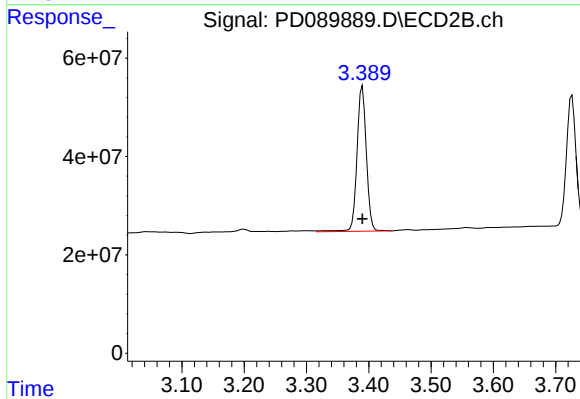
#1 Tetrachloro-m-xylene

R.T.: 2.878 min  
Delta R.T.: 0.000 min  
Response: 365529389  
Conc: 23.08 ng/ml



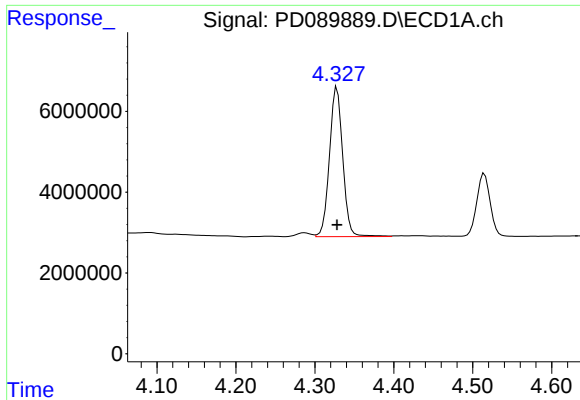
#2 alpha-BHC

R.T.: 3.997 min  
Delta R.T.: 0.000 min  
Response: 43353836  
Conc: 8.75 ng/ml



#2 alpha-BHC

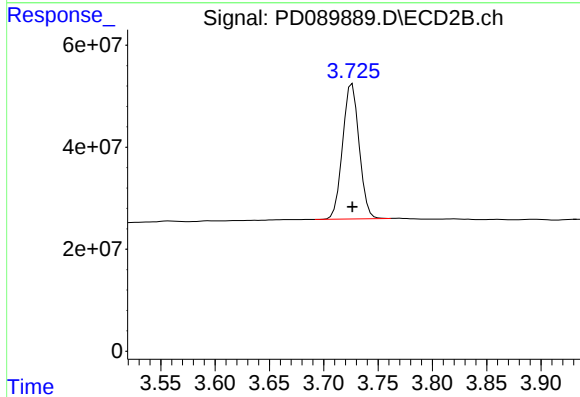
R.T.: 3.390 min  
Delta R.T.: 0.000 min  
Response: 310884548  
Conc: 12.79 ng/ml



#3 gamma-BHC (Lindane)

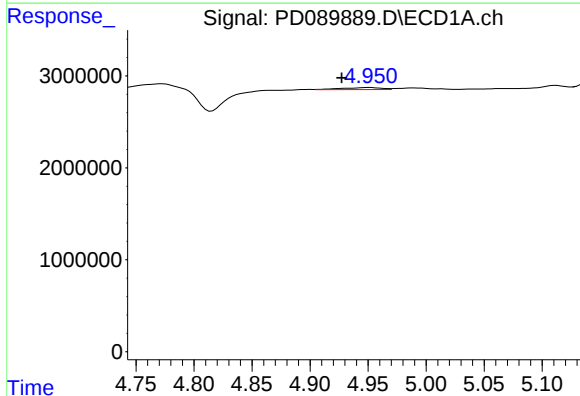
R.T.: 4.328 min  
Delta R.T.: 0.000 min  
Response: 43356268  
Conc: 9.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



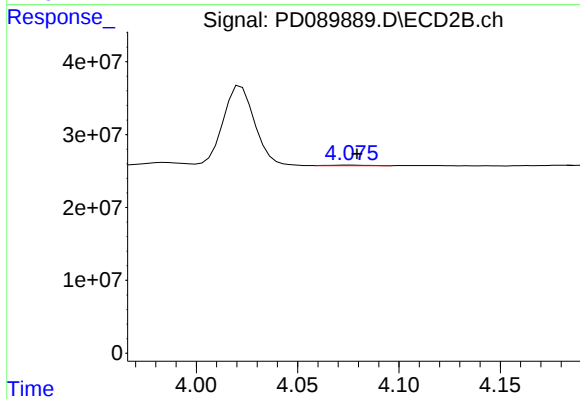
#3 gamma-BHC (Lindane)

R.T.: 3.726 min  
Delta R.T.: 0.000 min  
Response: 280936272  
Conc: 12.47 ng/ml



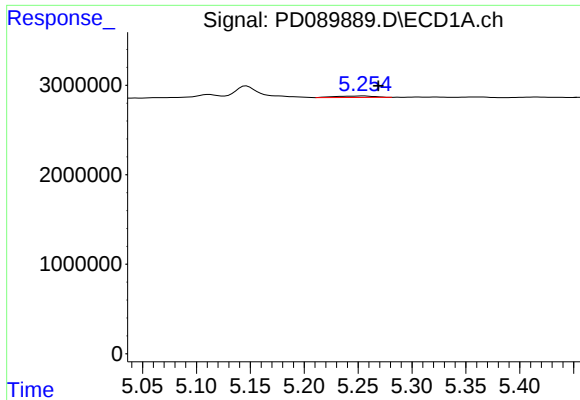
#4 Heptachlor

R.T.: 4.951 min  
Delta R.T.: 0.024 min  
Response: 527932  
Conc: 0.11 ng/ml



#4 Heptachlor

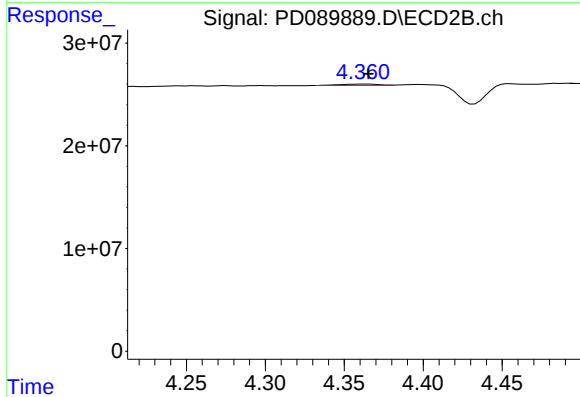
R.T.: 4.076 min  
Delta R.T.: -0.003 min  
Response: 1131885  
Conc: 0.05 ng/ml



#5 Aldrin

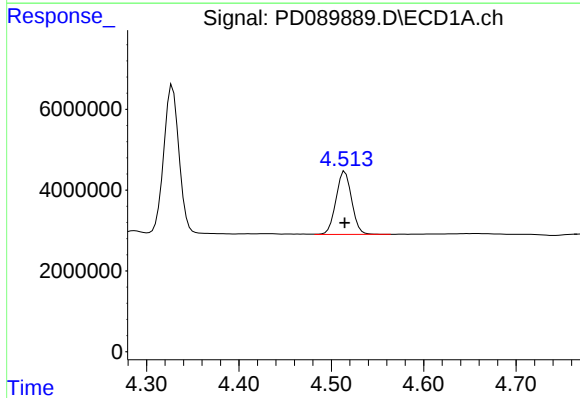
R.T.: 5.255 min  
Delta R.T.: -0.013 min  
Response: 398695  
Conc: 0.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



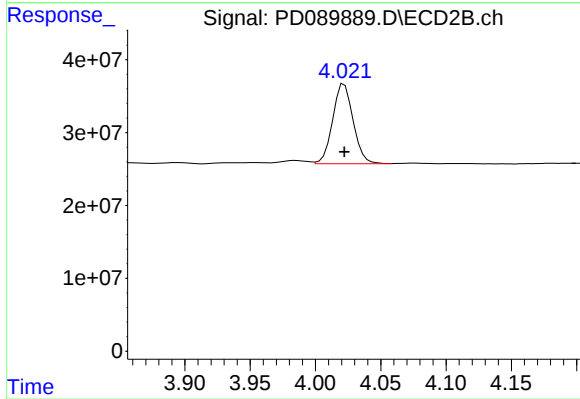
#5 Aldrin

R.T.: 4.362 min  
Delta R.T.: -0.003 min  
Response: 2270324  
Conc: 0.10 ng/ml



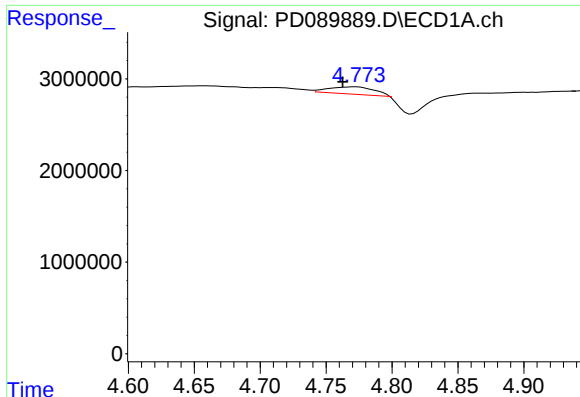
#6 beta-BHC

R.T.: 4.515 min  
Delta R.T.: 0.000 min  
Response: 18379276  
Conc: 9.96 ng/ml



#6 beta-BHC

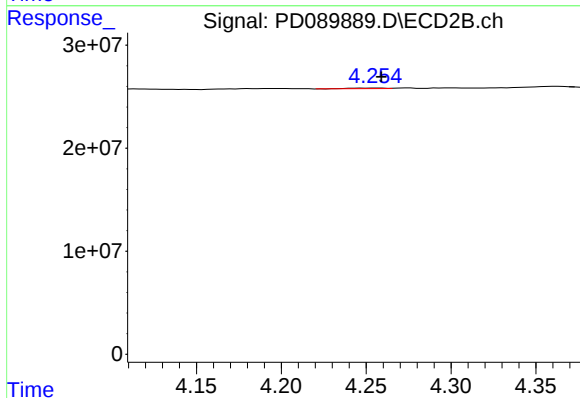
R.T.: 4.022 min  
Delta R.T.: 0.000 min  
Response: 119965559  
Conc: 12.43 ng/ml



#7 delta-BHC

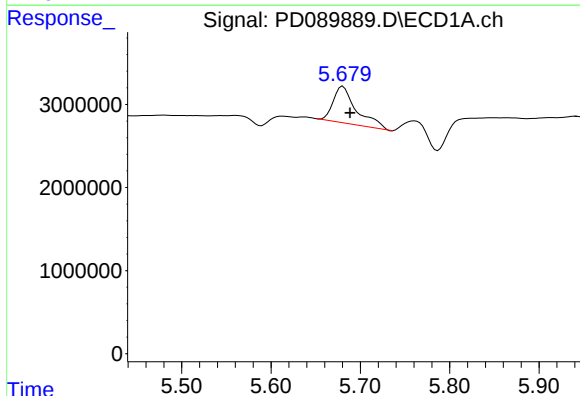
R.T.: 4.773 min  
Delta R.T.: 0.010 min  
Response: 1827476  
Conc: 0.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



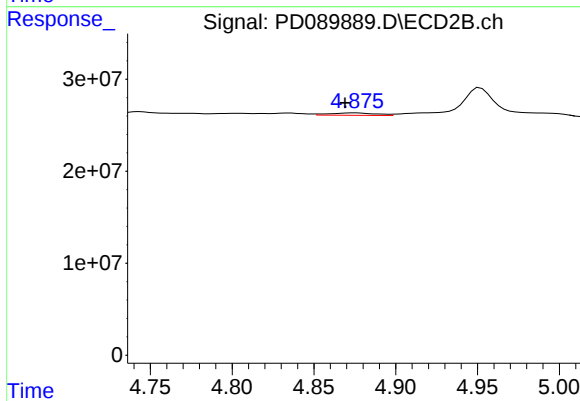
#7 delta-BHC

R.T.: 4.247 min  
Delta R.T.: -0.012 min  
Response: 776757  
Conc: 0.03 ng/ml



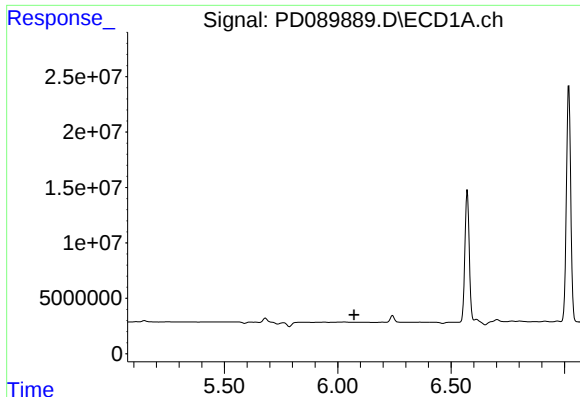
#8 Heptachlor epoxide

R.T.: 5.681 min  
Delta R.T.: -0.008 min  
Response: 8023190  
Conc: 1.92 ng/ml



#8 Heptachlor epoxide

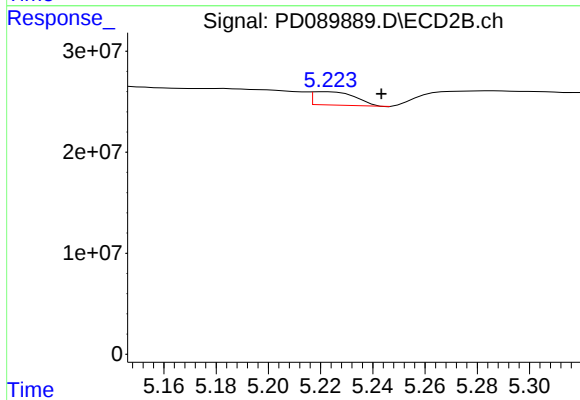
R.T.: 4.876 min  
Delta R.T.: 0.007 min  
Response: 5374660  
Conc: 0.26 ng/ml



#9 Endosulfan I

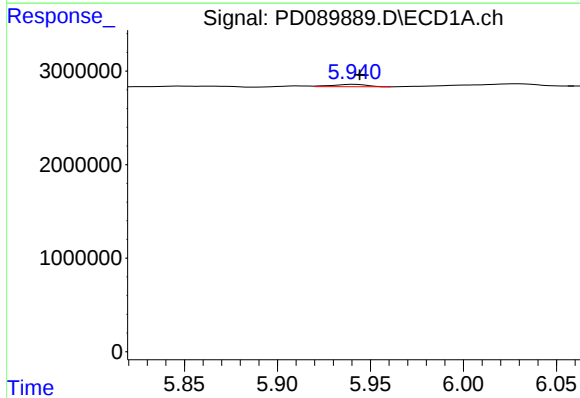
R.T.: 0.000 min  
Exp R.T.: 6.072 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



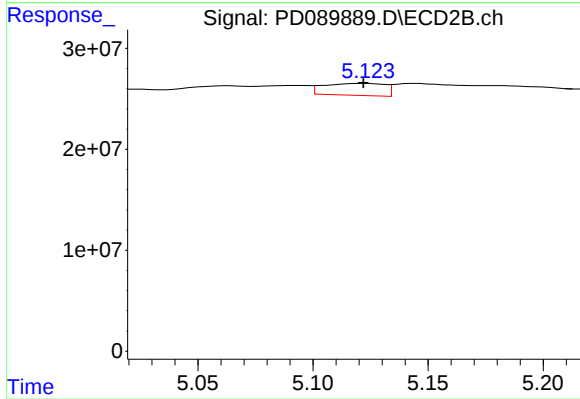
#9 Endosulfan I

R.T.: 5.222 min  
Delta R.T.: -0.021 min  
Response: 15189833  
Conc: 0.78 ng/ml



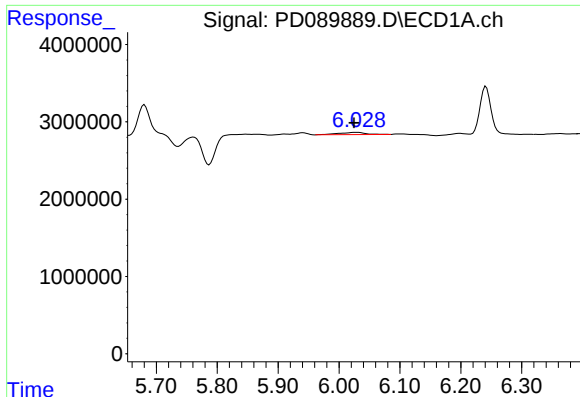
#10 gamma-Chlordane

R.T.: 5.941 min  
Delta R.T.: -0.003 min  
Response: 322783  
Conc: 0.08 ng/ml



#10 gamma-Chlordane

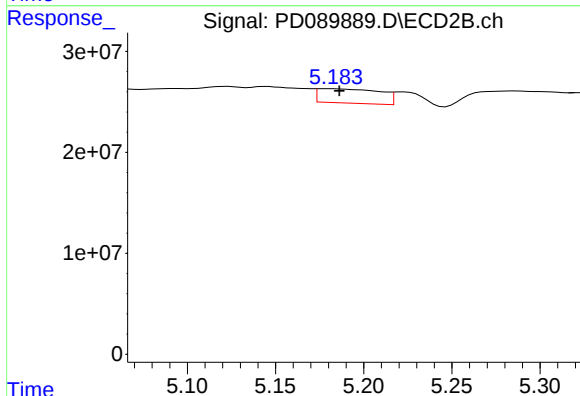
R.T.: 5.123 min  
Delta R.T.: 0.000 min  
Response: 21853430  
Conc: 1.01 ng/ml



#11 alpha-Chlordane

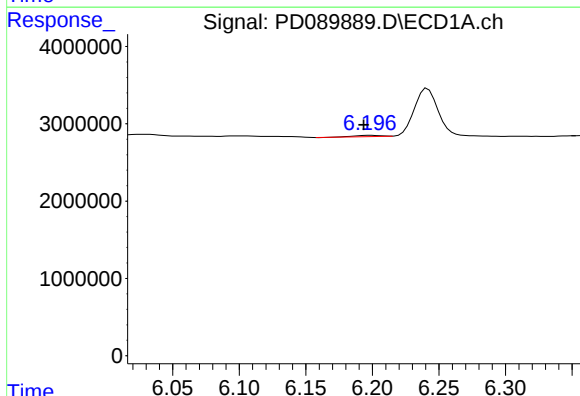
R.T.: 6.029 min  
Delta R.T.: 0.005 min  
Response: 876638  
Conc: 0.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



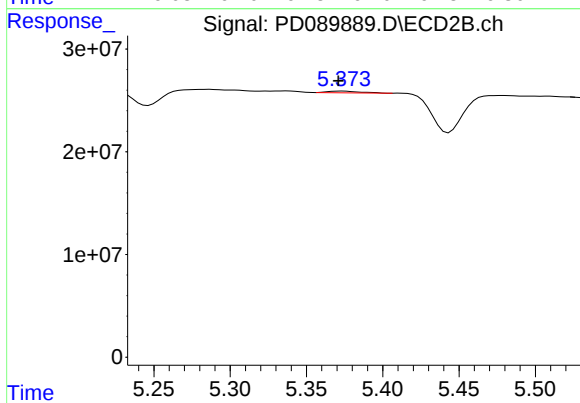
#11 alpha-Chlordane

R.T.: 5.182 min  
Delta R.T.: -0.004 min  
Response: 34791548  
Conc: 1.67 ng/ml



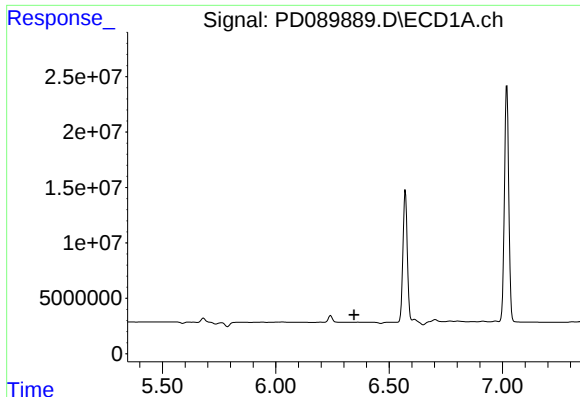
#12 4,4'-DDE

R.T.: 6.199 min  
Delta R.T.: 0.005 min  
Response: 212874  
Conc: 0.06 ng/ml



#12 4,4'-DDE

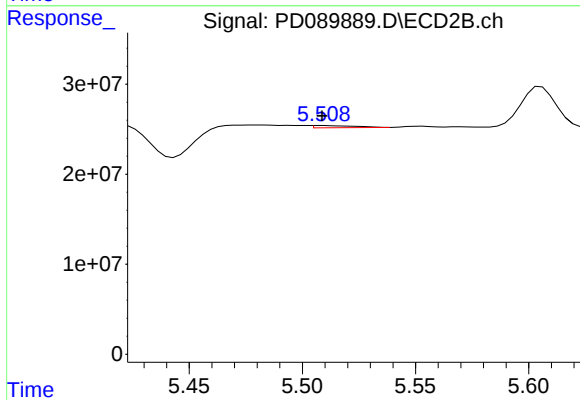
R.T.: 5.373 min  
Delta R.T.: 0.002 min  
Response: 2439708  
Conc: 0.12 ng/ml



#13 Dieldrin

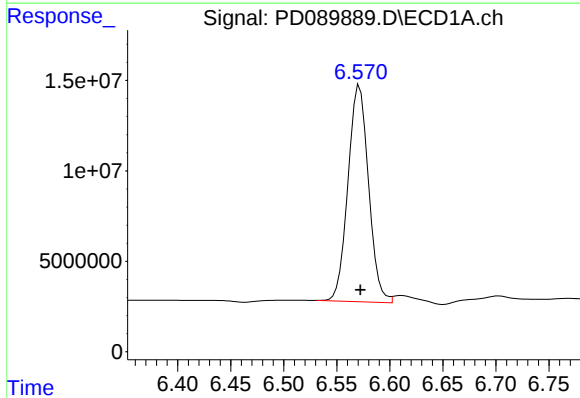
R.T.: 0.000 min  
Exp R.T.: 6.345 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



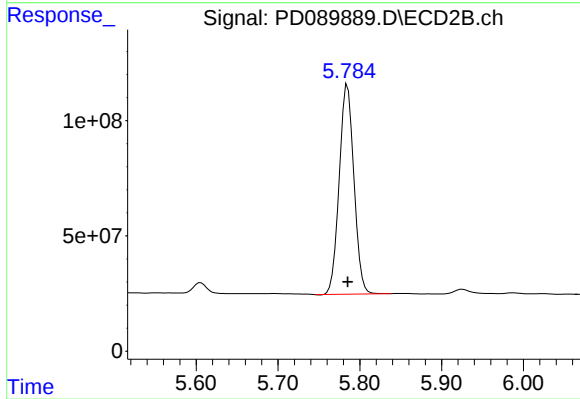
#13 Dieldrin

R.T.: 5.509 min  
Delta R.T.: 0.000 min  
Response: 3190518  
Conc: 0.15 ng/ml



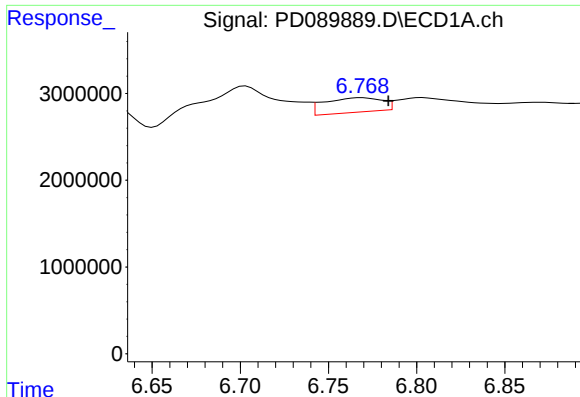
#14 Endrin

R.T.: 6.571 min  
Delta R.T.: 0.000 min  
Response: 161454406  
Conc: 45.13 ng/ml



#14 Endrin

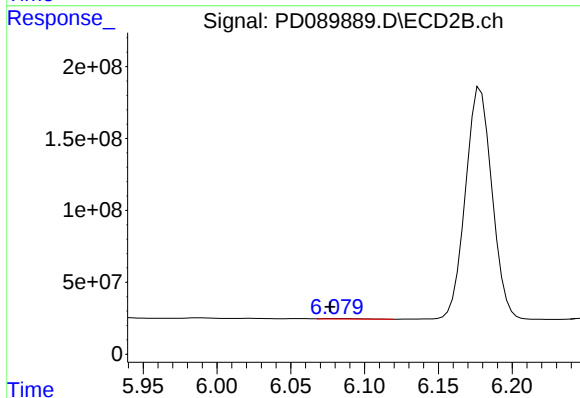
R.T.: 5.785 min  
Delta R.T.: 0.000 min  
Response: 1131810203  
Conc: 56.80 ng/ml



#15 Endosulfan II

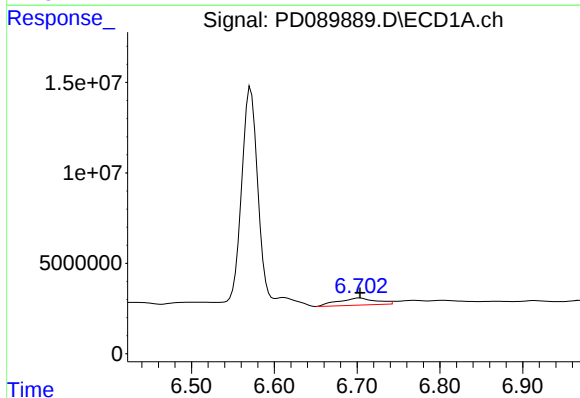
R.T.: 6.769 min  
Delta R.T.: -0.015 min  
Response: 3801688  
Conc: 1.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



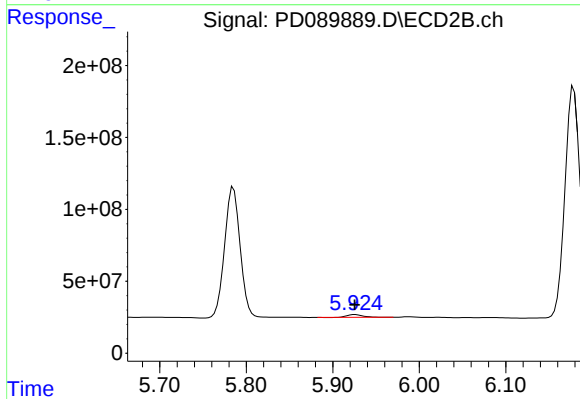
#15 Endosulfan II

R.T.: 6.080 min  
Delta R.T.: 0.004 min  
Response: 4650899  
Conc: 0.25 ng/ml



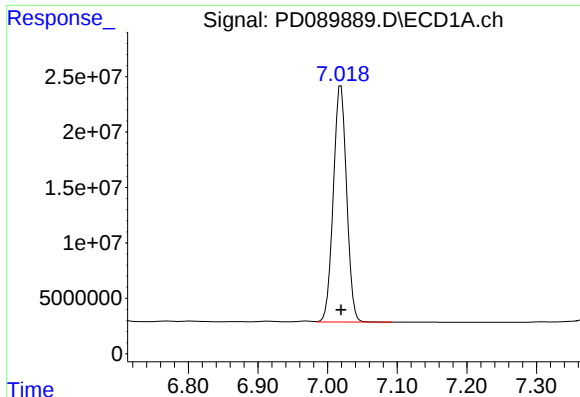
#16 4,4'-DDD

R.T.: 6.703 min  
Delta R.T.: 0.000 min  
Response: 12407912  
Conc: 4.14 ng/ml



#16 4,4'-DDD

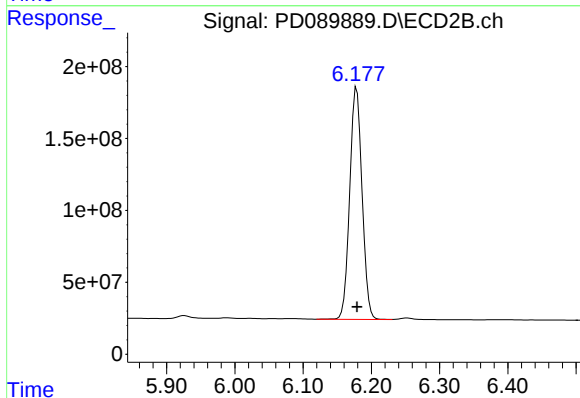
R.T.: 5.926 min  
Delta R.T.: 0.000 min  
Response: 25125548  
Conc: 1.42 ng/ml



#17 4,4'-DDT

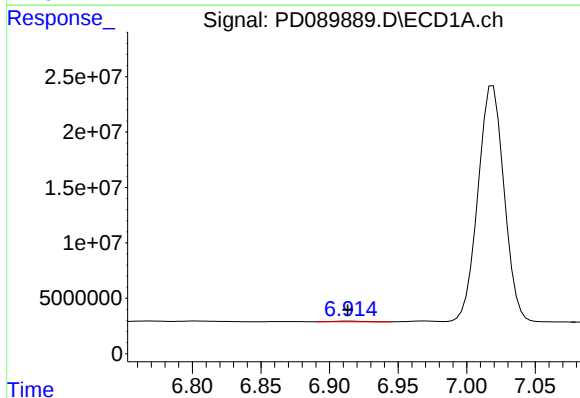
R.T.: 7.019 min  
Delta R.T.: 0.000 min  
Response: 283407818  
Conc: 84.34 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



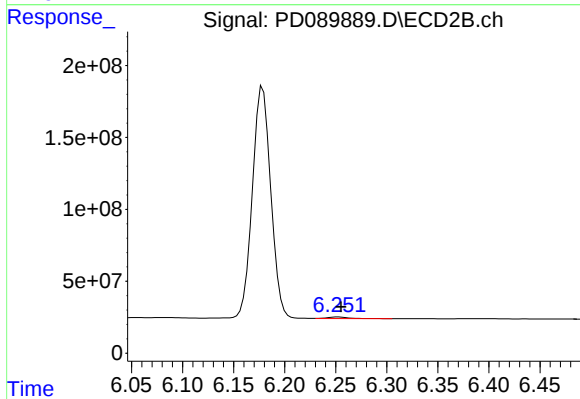
#17 4,4'-DDT

R.T.: 6.178 min  
Delta R.T.: 0.000 min  
Response: 2023846116  
Conc: 110.16 ng/ml



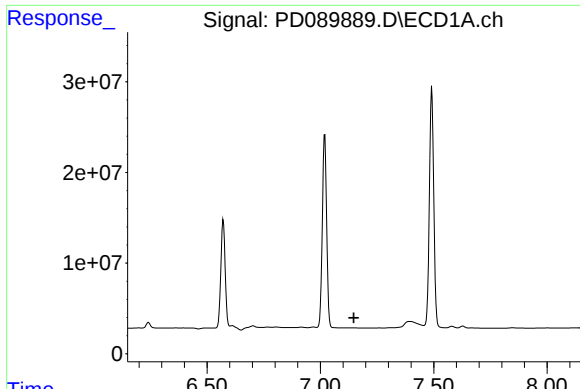
#18 Endrin aldehyde

R.T.: 6.915 min  
Delta R.T.: 0.002 min  
Response: 939247  
Conc: 0.38 ng/ml



#18 Endrin aldehyde

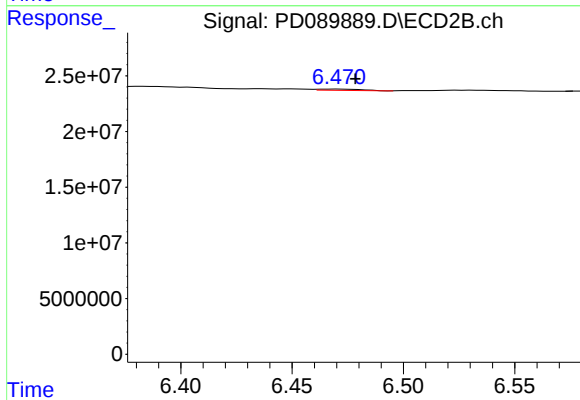
R.T.: 6.253 min  
Delta R.T.: -0.003 min  
Response: 13738565  
Conc: 1.06 ng/ml



#19 Endosulfan Sulfate

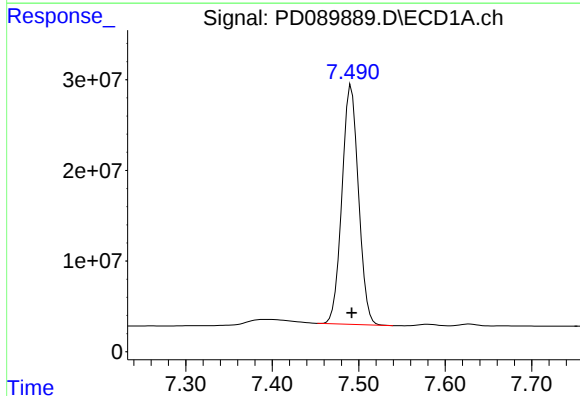
R.T.: 0.000 min  
Exp R.T.: 7.148 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



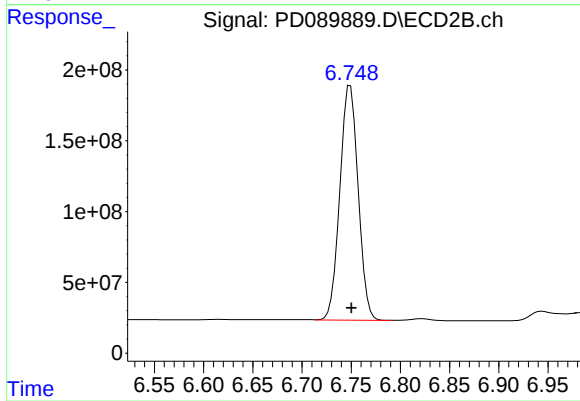
#19 Endosulfan Sulfate

R.T.: 6.471 min  
Delta R.T.: -0.007 min  
Response: 1496799  
Conc: 0.08 ng/ml



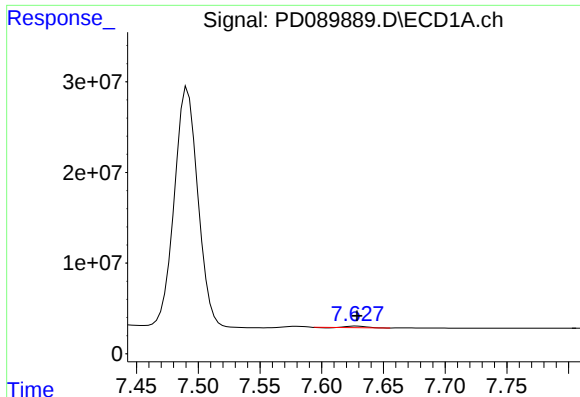
#20 Methoxychlor

R.T.: 7.491 min  
Delta R.T.: 0.000 min  
Response: 347957384  
Conc: 194.61 ng/ml



#20 Methoxychlor

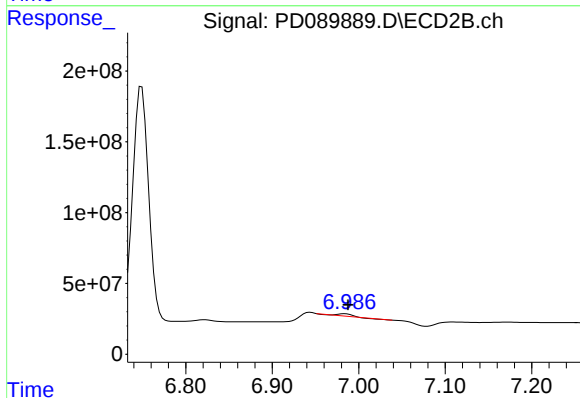
R.T.: 6.749 min  
Delta R.T.: -0.001 min  
Response: 2147328721  
Conc: 219.22 ng/ml



#21 Endrin ketone

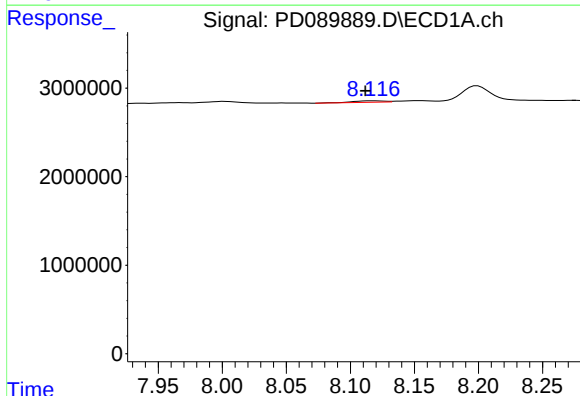
R.T.: 7.628 min  
Delta R.T.: 0.000 min  
Response: 1629300  
Conc: 0.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



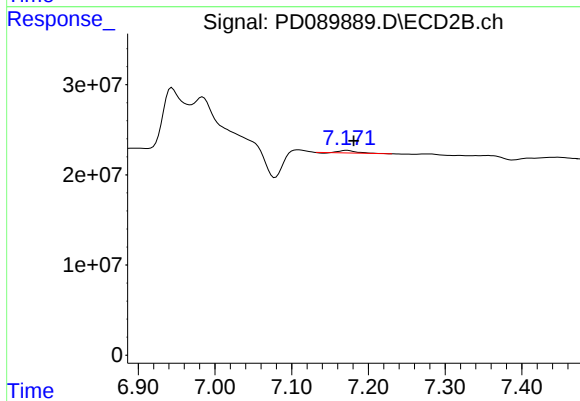
#21 Endrin ketone

R.T.: 6.984 min  
Delta R.T.: -0.004 min  
Response: 9813797  
Conc: 0.49 ng/ml



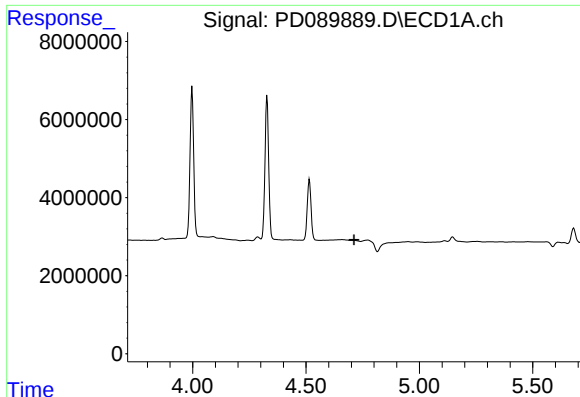
#22 Mirex

R.T.: 8.118 min  
Delta R.T.: 0.006 min  
Response: 265729  
Conc: 0.10 ng/ml



#22 Mirex

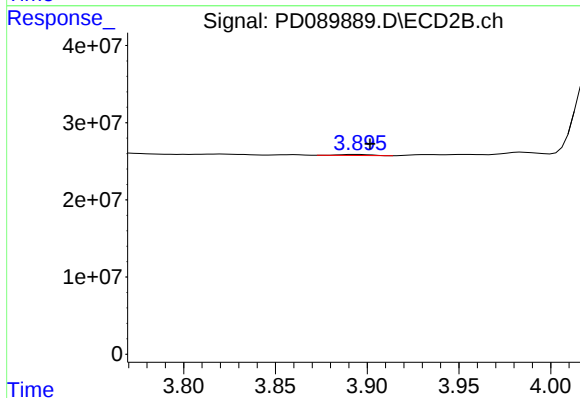
R.T.: 7.173 min  
Delta R.T.: -0.009 min  
Response: 4316675  
Conc: 0.28 ng/ml



#23 Chlordane-1

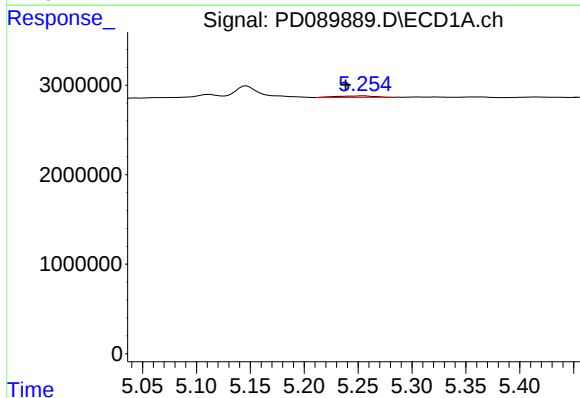
R.T.: 0.000 min  
Exp R.T.: 4.712 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



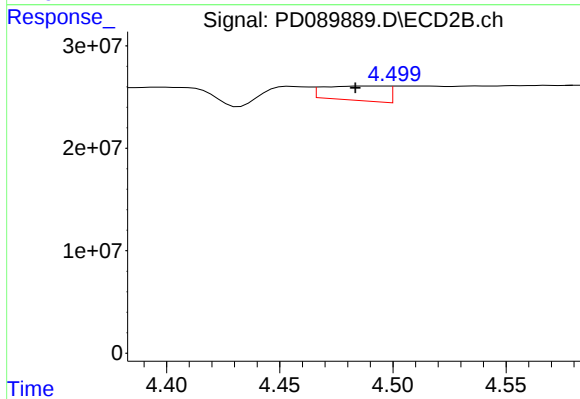
#23 Chlordane-1

R.T.: 3.895 min  
Delta R.T.: -0.006 min  
Response: 1580289  
Conc: 2.16 ng/ml



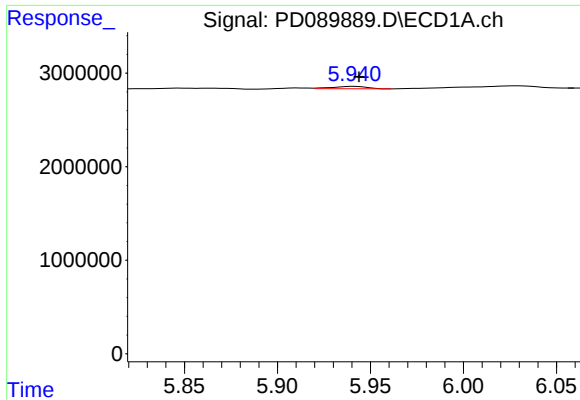
#24 Chlordane-2

R.T.: 5.255 min  
Delta R.T.: 0.017 min  
Response: 398695  
Conc: 2.35 ng/ml



#24 Chlordane-2

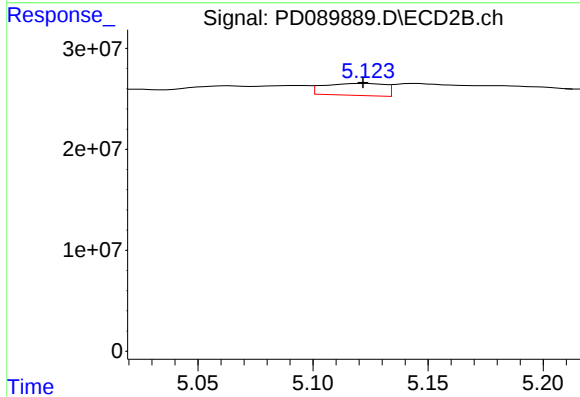
R.T.: 4.494 min  
Delta R.T.: 0.010 min  
Response: 27354322  
Conc: 35.79 ng/ml



#25 Chlordane-3

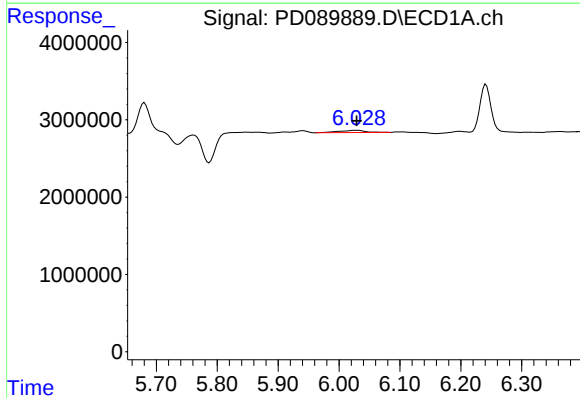
R.T.: 5.941 min  
Delta R.T.: -0.003 min  
Response: 322783  
Conc: 0.47 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



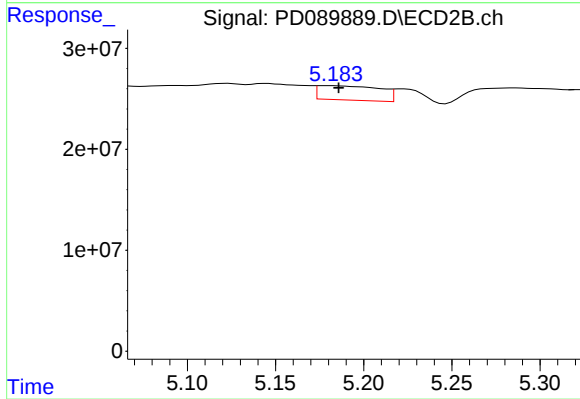
#25 Chlordane-3

R.T.: 5.123 min  
Delta R.T.: 0.000 min  
Response: 21853430  
Conc: 9.44 ng/ml



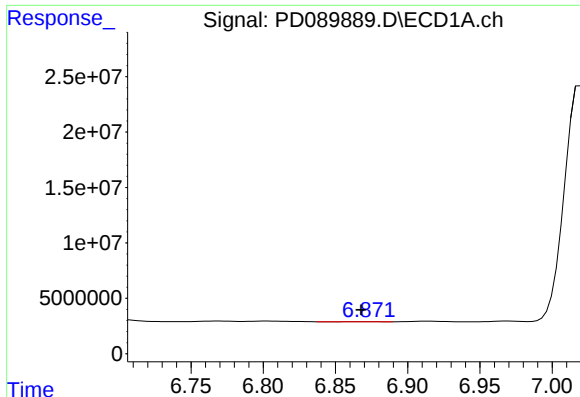
#26 Chlordane-4

R.T.: 6.029 min  
Delta R.T.: 0.000 min  
Response: 876638  
Conc: 1.05 ng/ml



#26 Chlordane-4

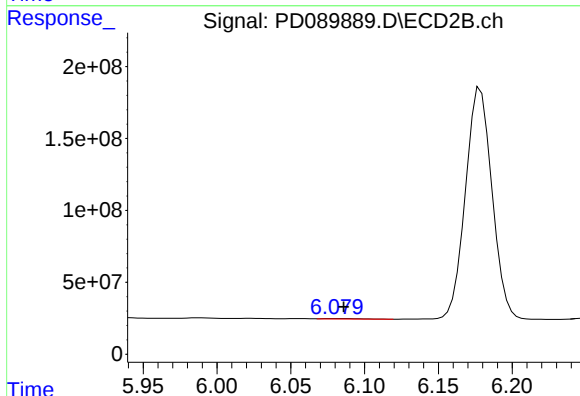
R.T.: 5.182 min  
Delta R.T.: -0.004 min  
Response: 34791548  
Conc: 17.49 ng/ml



#27 Chlordane-5

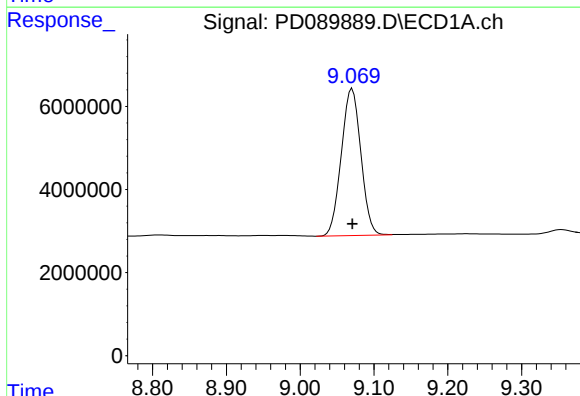
R.T.: 6.872 min  
Delta R.T.: 0.004 min  
Response: 145234  
Conc: 1.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM



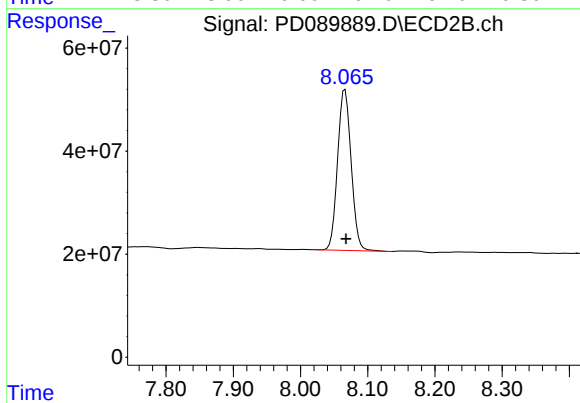
#27 Chlordane-5

R.T.: 6.080 min  
Delta R.T.: -0.005 min  
Response: 4650899  
Conc: 5.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min  
Delta R.T.: 0.000 min  
Response: 65193590  
Conc: 17.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min  
Delta R.T.: -0.002 min  
Response: 436157332  
Conc: 21.72 ng/ml