

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL071824\  
 Data File : PL090575.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2024 09:54  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 18 23:45:20 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL071524.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jul 15 14:16:48 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 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 x0.5µm

|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|--------|--------|----------|----------|---------|----------|
| -----                       |                 |        |        |          |          |         |          |
| System Monitoring Compounds |                 |        |        |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.549  | 2.792  | 45255299 | 35090773 | 21.734  | 20.851   |
| 28)                         | SA Decachlor... | 9.066  | 7.936  | 31095054 | 32728514 | 23.400  | 22.446   |
| Target Compounds            |                 |        |        |          |          |         |          |
| 2)                          | A alpha-BHC     | 4.004  | 3.295  | 33557684 | 23738930 | 11.309  | 9.825    |
| 3)                          | MA gamma-BHC... | 4.337  | 3.626  | 31626782 | 22602137 | 11.293  | 9.802    |
| 4)                          | MA Heptachlor   | 4.916  | 3.988f | 128868   | 22388    | 0.051   | 0.010 #  |
| 5)                          | MB Aldrin       | 5.273  | 4.229f | 5434798  | 5482839  | 2.175   | 2.577    |
| 6)                          | B beta-BHC      | 4.533  | 3.924  | 14754654 | 11680429 | 11.631  | 11.316   |
| 7)                          | B delta-BHC     | 4.770  | 4.153  | 2084058  | 1612724  | 0.777   | 0.733    |
| 8)                          | B Heptachlo...  | 5.690  | 4.761  | 34468049 | 13646    | 14.665  | 0.007 #  |
| 9)                          | A Endosulfan I  | 6.087  | 0.000  | 5955226  | 0        | 2.784   | N.D. #   |
| 10)                         | B gamma-Chl...  | 5.924f | 5.006  | 28700640 | 1192804  | 12.344  | 0.588 #  |
| 11)                         | B alpha-Chl...  | 6.023  | 5.056  | 3911944  | 1173930  | 1.704   | 0.581 #  |
| 12)                         | B 4,4'-DDE      | 6.201  | 5.253  | 2922947  | 7750576  | 1.446   | 4.337 #  |
| 13)                         | MA Dieldrin     | 6.377f | 5.378  | 749571   | 674882   | 0.337   | 0.344    |
| 14)                         | MA Endrin       | 6.585  | 5.660  | 103.0E6  | 80711000 | 56.035  | 46.895   |
| 15)                         | B Endosulfa...  | 6.822f | 5.968f | 4301643  | 1755880  | 2.187   | 1.028 #  |
| 16)                         | A 4,4'-DDD      | 6.717  | 5.807  | 23422035 | 8814606  | 13.874  | 5.883 #  |
| 17)                         | MA 4,4'-DDT     | 7.032  | 6.059  | 153.6E6  | 157.0E6  | 91.249  | 107.154  |
| 18)                         | B Endrin al...  | 6.933  | 6.134  | 4180769  | 3949268  | 2.818   | 3.023    |
| 19)                         | B Endosulfa...  | 0.000  | 6.342  | 0        | 332386   | N.D.    | 0.206 #  |
| 20)                         | A Methoxychlor  | 7.508  | 6.633  | 196.2E6  | 198.0E6  | 222.207 | 244.857  |
| 21)                         | B Endrin ke...  | 7.652  | 6.862  | 10358532 | 6223470  | 5.426   | 3.405 #  |
| 22)                         | Mirex           | 8.107f | 7.051  | 24653    | 120248   | 0.017   | 0.081 #  |
| 23)                         | Chlordane-1     | 4.724  | 3.791  | 730043   | 194897   | 8.244   | 3.148 #  |
| 24)                         | Chlordane-2     | 5.245  | 4.379  | 6133959  | 2845287  | 59.929  | 37.516 # |
| 25)                         | Chlordane-3     | 5.924f | 5.006  | 28700640 | 1192804  | 86.695  | 5.771 #  |
| 26)                         | Chlordane-4     | 6.023  | 5.056  | 3911944  | 1173930  | 9.821   | 5.999 #  |
| 27)                         | Chlordane-5     | 6.884  | 5.754f | -111120  | 409255   | N.D.    | 6.790    |
| -----                       |                 |        |        |          |          |         |          |

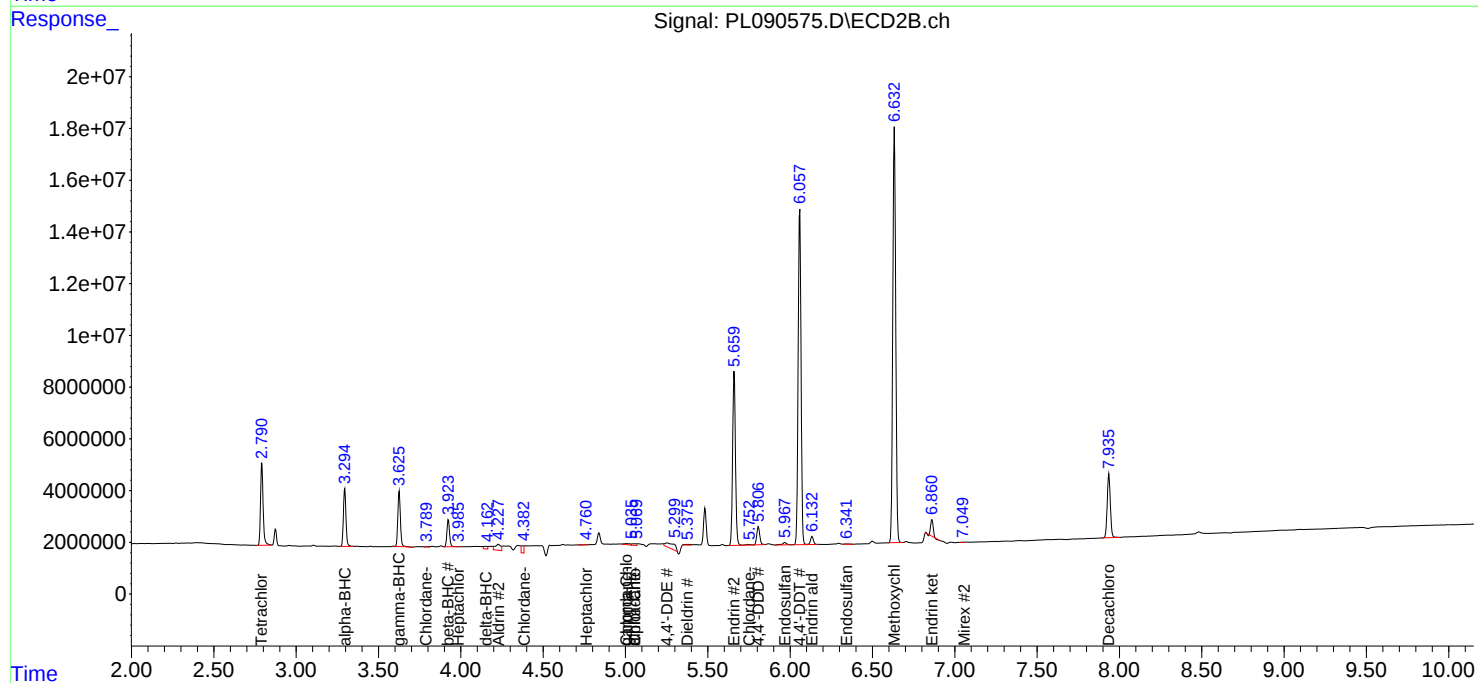
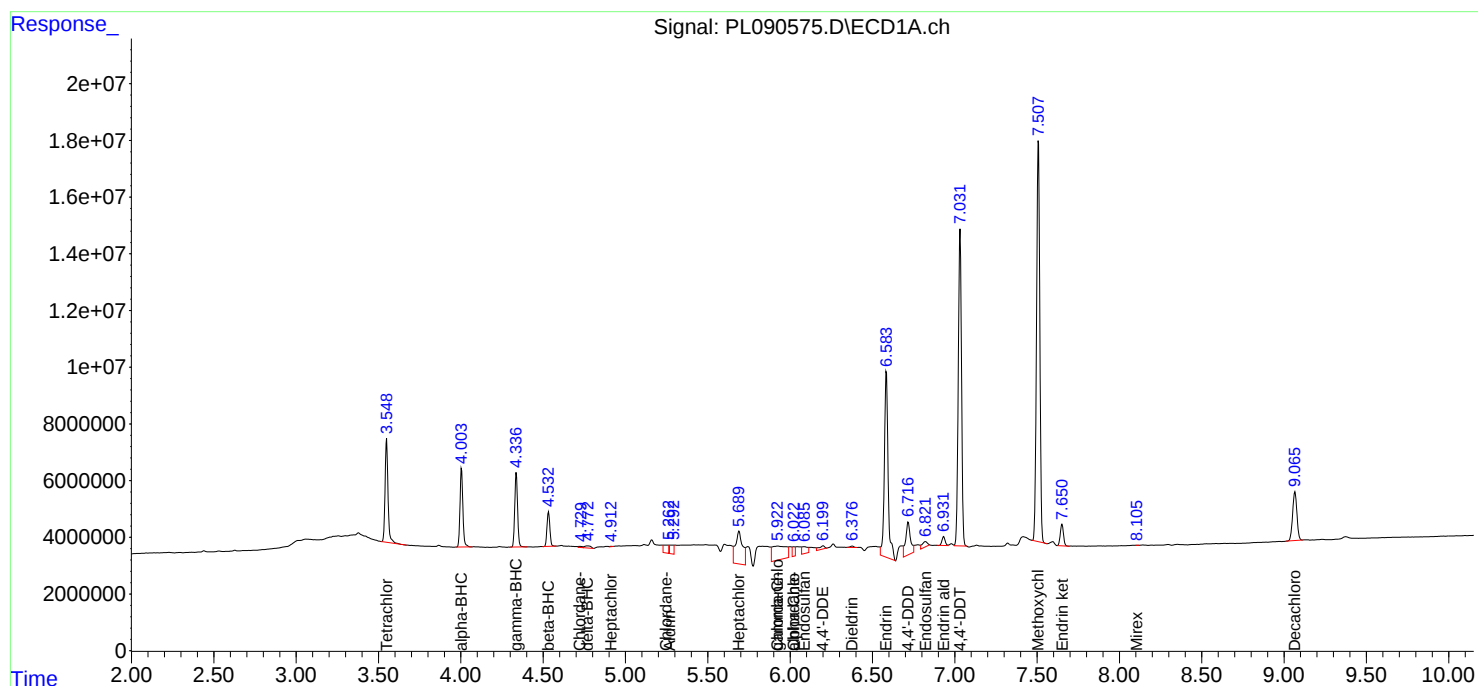
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

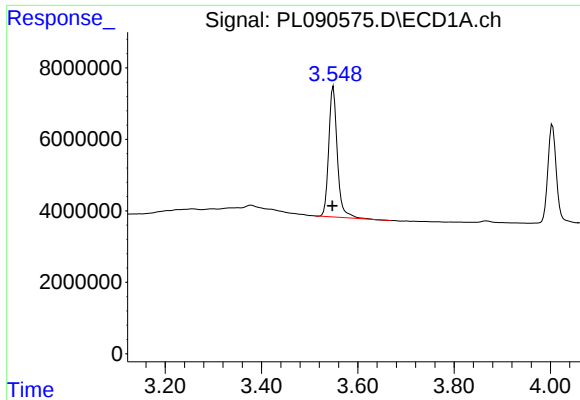
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL071824\  
Data File : PL090575.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Jul 2024 09:54  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 18 23:45:20 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL071524.M  
Quant Title : GC Extractables  
QLast Update : Mon Jul 15 14:16:48 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 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 x0.5µm

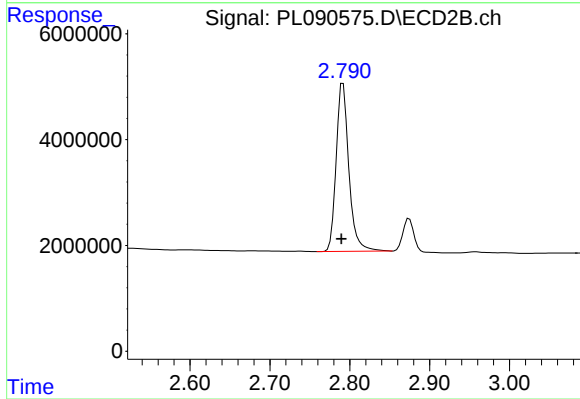




#1 Tetrachloro-m-xylene

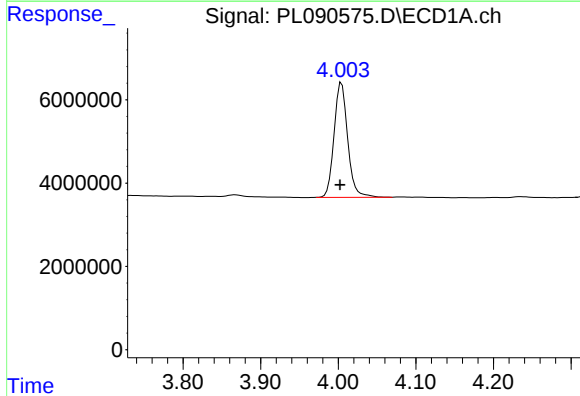
R.T.: 3.549 min  
Delta R.T.: 0.002 min  
Response: 45255299  
Conc: 21.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



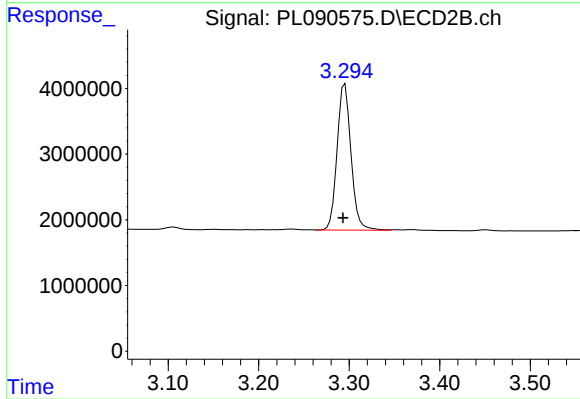
#1 Tetrachloro-m-xylene

R.T.: 2.792 min  
Delta R.T.: 0.002 min  
Response: 35090773  
Conc: 20.85 ng/ml



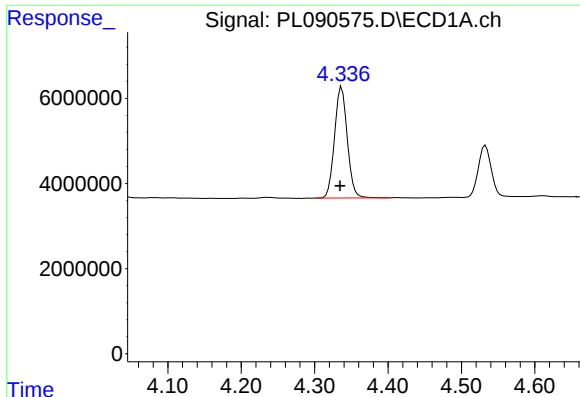
#2 alpha-BHC

R.T.: 4.004 min  
Delta R.T.: 0.002 min  
Response: 33557684  
Conc: 11.31 ng/ml



#2 alpha-BHC

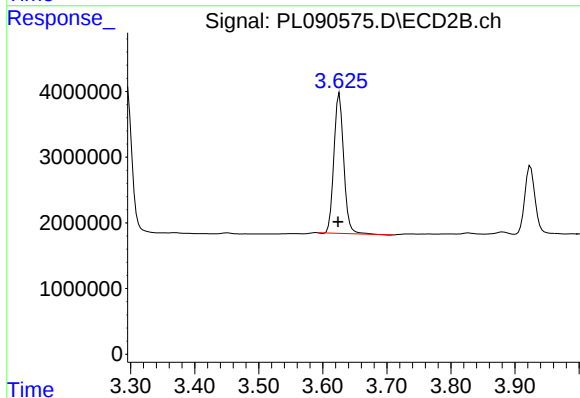
R.T.: 3.295 min  
Delta R.T.: 0.002 min  
Response: 23738930  
Conc: 9.83 ng/ml



#3 gamma-BHC (Lindane)

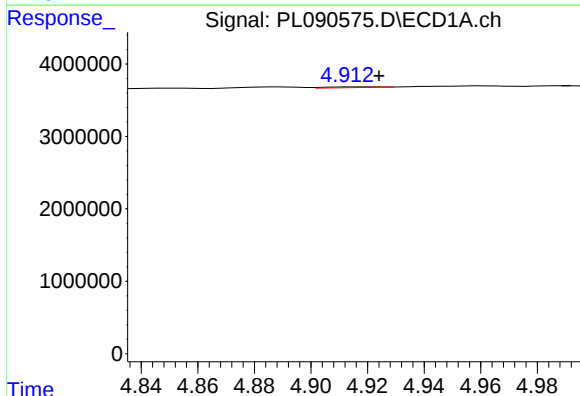
R.T.: 4.337 min  
Delta R.T.: 0.002 min  
Response: 31626782  
Conc: 11.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



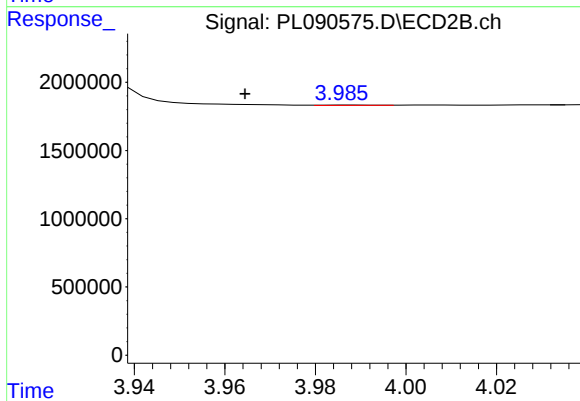
#3 gamma-BHC (Lindane)

R.T.: 3.626 min  
Delta R.T.: 0.002 min  
Response: 22602137  
Conc: 9.80 ng/ml



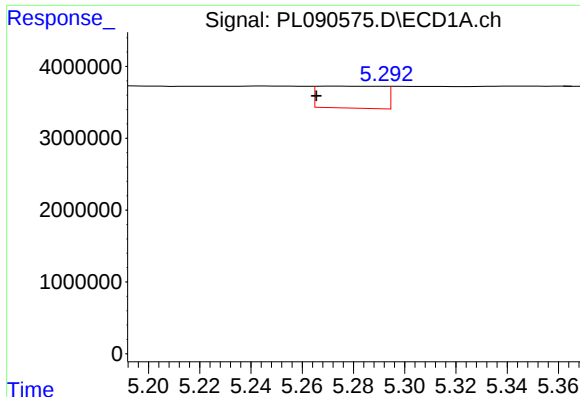
#4 Heptachlor

R.T.: 4.916 min  
Delta R.T.: -0.008 min  
Response: 128868  
Conc: 0.05 ng/ml



#4 Heptachlor

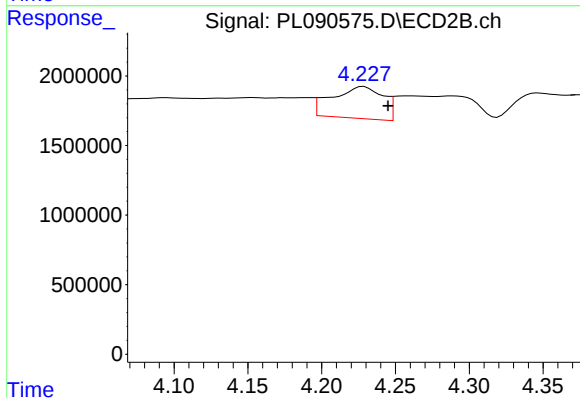
R.T.: 3.988 min  
Delta R.T.: 0.024 min  
Response: 22388  
Conc: 0.01 ng/ml



#5 Aldrin

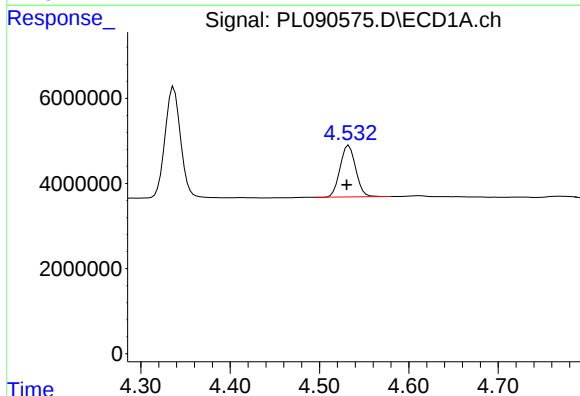
R.T.: 5.273 min  
Delta R.T.: 0.007 min  
Response: 5434798  
Conc: 2.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



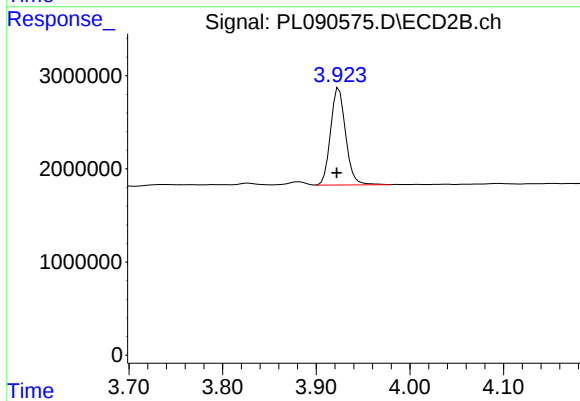
#5 Aldrin

R.T.: 4.229 min  
Delta R.T.: -0.016 min  
Response: 5482839  
Conc: 2.58 ng/ml



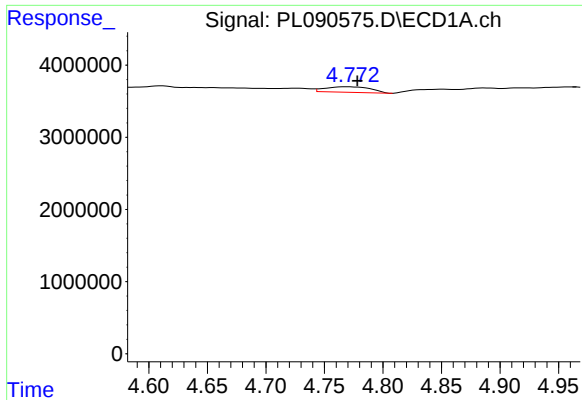
#6 beta-BHC

R.T.: 4.533 min  
Delta R.T.: 0.002 min  
Response: 14754654  
Conc: 11.63 ng/ml



#6 beta-BHC

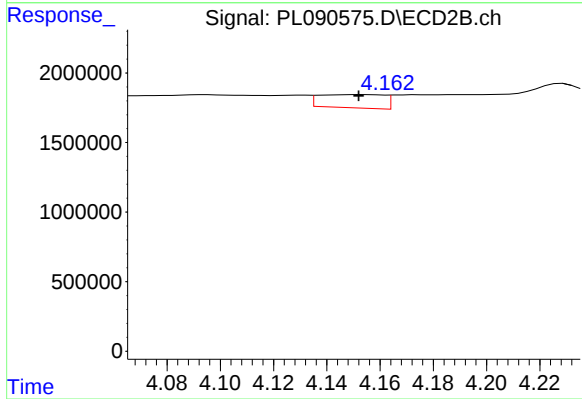
R.T.: 3.924 min  
Delta R.T.: 0.002 min  
Response: 11680429  
Conc: 11.32 ng/ml



#7 delta-BHC

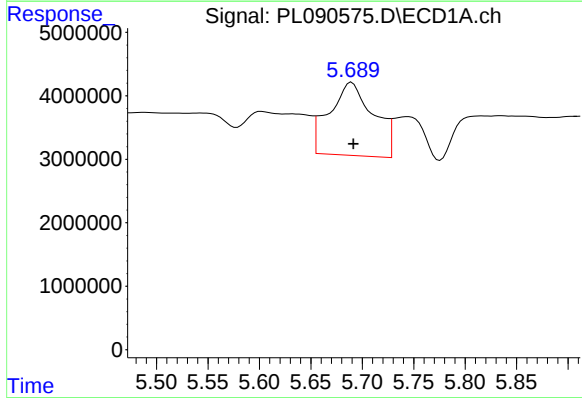
R.T.: 4.770 min  
Delta R.T.: -0.008 min  
Response: 2084058  
Conc: 0.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



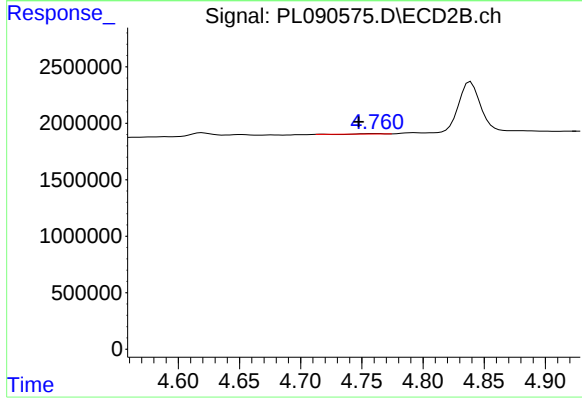
#7 delta-BHC

R.T.: 4.153 min  
Delta R.T.: 0.000 min  
Response: 1612724  
Conc: 0.73 ng/ml



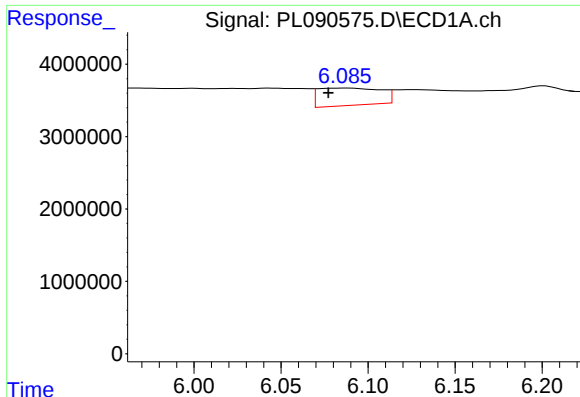
#8 Heptachlor epoxide

R.T.: 5.690 min  
Delta R.T.: -0.002 min  
Response: 34468049  
Conc: 14.66 ng/ml



#8 Heptachlor epoxide

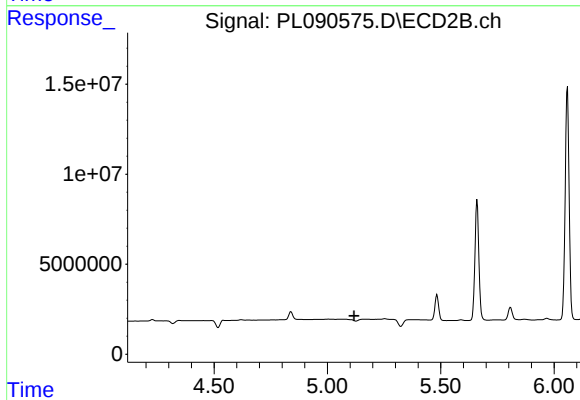
R.T.: 4.761 min  
Delta R.T.: 0.014 min  
Response: 13646  
Conc: 0.01 ng/ml



#9 Endosulfan I

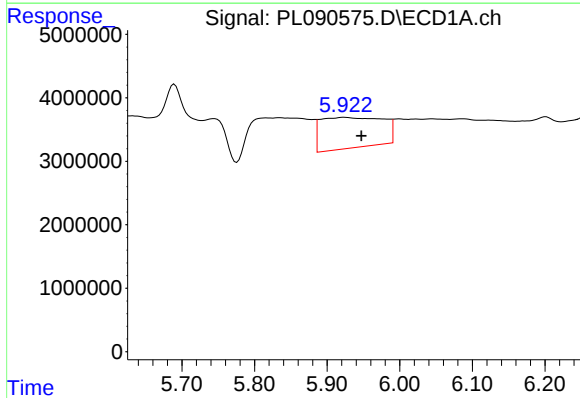
R.T.: 6.087 min  
Delta R.T.: 0.010 min  
Response: 5955226  
Conc: 2.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



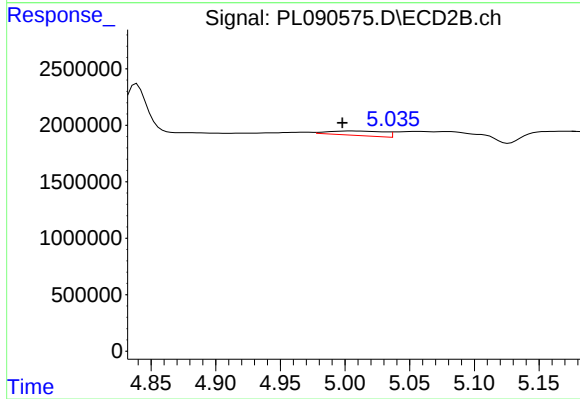
#9 Endosulfan I

R.T.: 0.000 min  
Exp R.T. : 5.118 min  
Response: 0  
Conc: N.D.



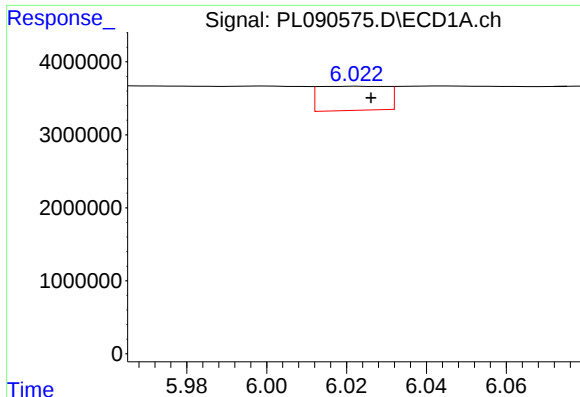
#10 gamma-Chlordane

R.T.: 5.924 min  
Delta R.T.: -0.023 min  
Response: 28700640  
Conc: 12.34 ng/ml



#10 gamma-Chlordane

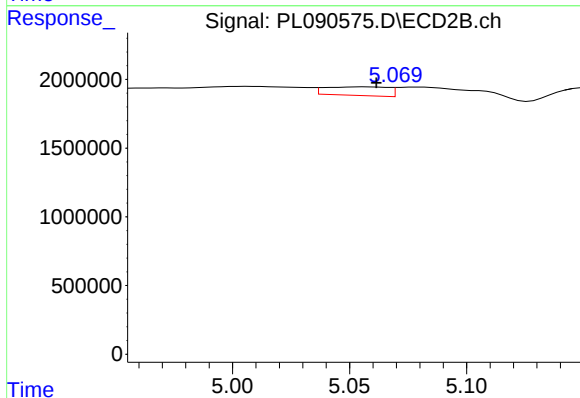
R.T.: 5.006 min  
Delta R.T.: 0.008 min  
Response: 1192804  
Conc: 0.59 ng/ml



#11 alpha-Chlordane

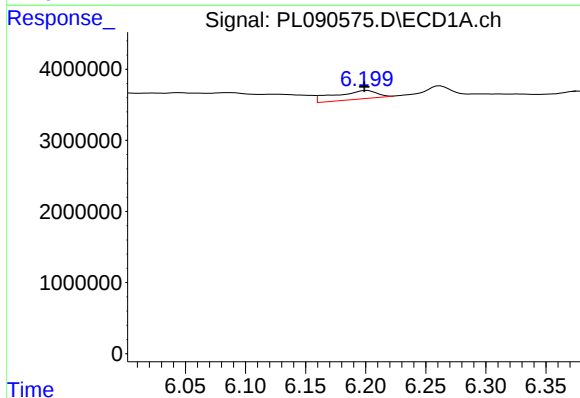
R.T.: 6.023 min  
Delta R.T.: -0.003 min  
Response: 3911944  
Conc: 1.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



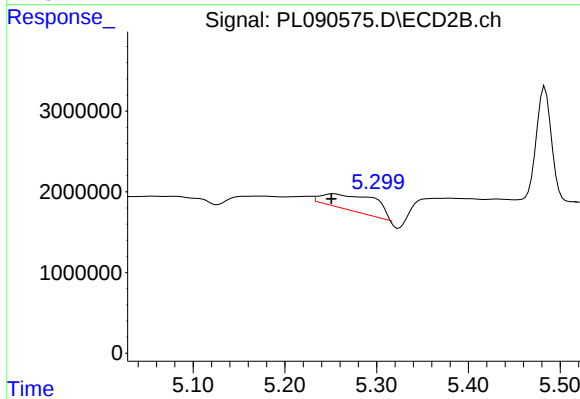
#11 alpha-Chlordane

R.T.: 5.056 min  
Delta R.T.: -0.005 min  
Response: 1173930  
Conc: 0.58 ng/ml



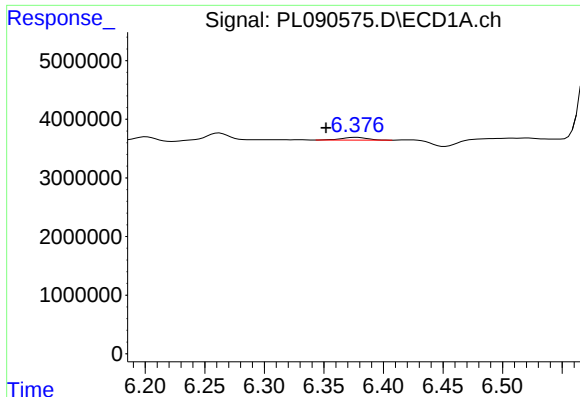
#12 4,4'-DDE

R.T.: 6.201 min  
Delta R.T.: 0.002 min  
Response: 2922947  
Conc: 1.45 ng/ml



#12 4,4'-DDE

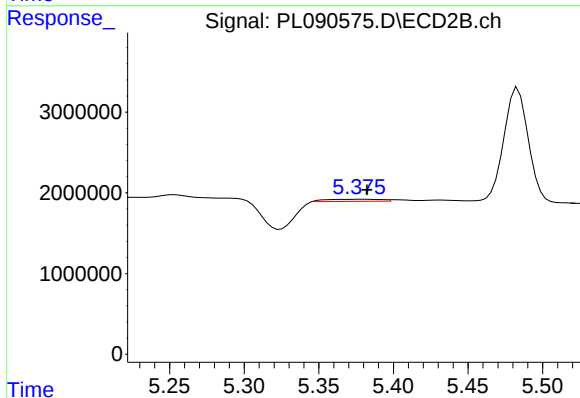
R.T.: 5.253 min  
Delta R.T.: 0.003 min  
Response: 7750576  
Conc: 4.34 ng/ml



#13 Dieldrin

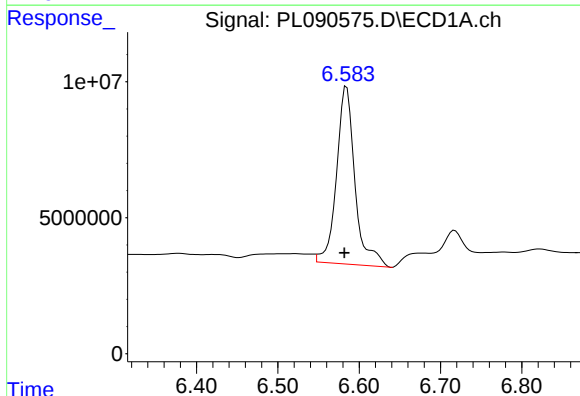
R.T.: 6.377 min  
Delta R.T.: 0.026 min  
Response: 749571  
Conc: 0.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



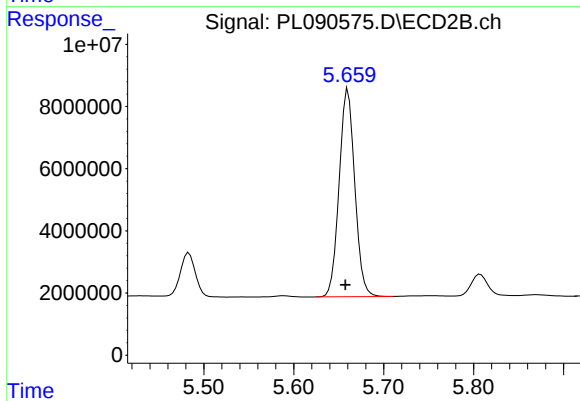
#13 Dieldrin

R.T.: 5.378 min  
Delta R.T.: -0.005 min  
Response: 674882  
Conc: 0.34 ng/ml



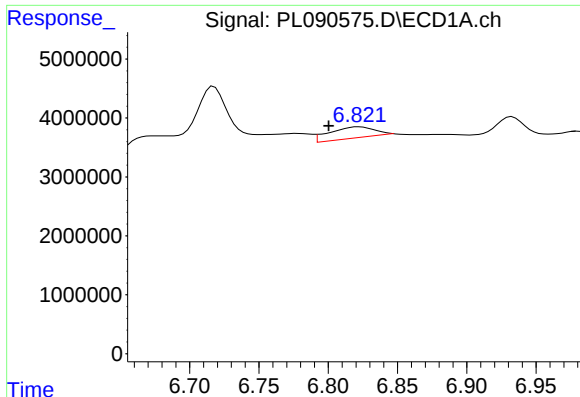
#14 Endrin

R.T.: 6.585 min  
Delta R.T.: 0.003 min  
Response: 103017295  
Conc: 56.04 ng/ml



#14 Endrin

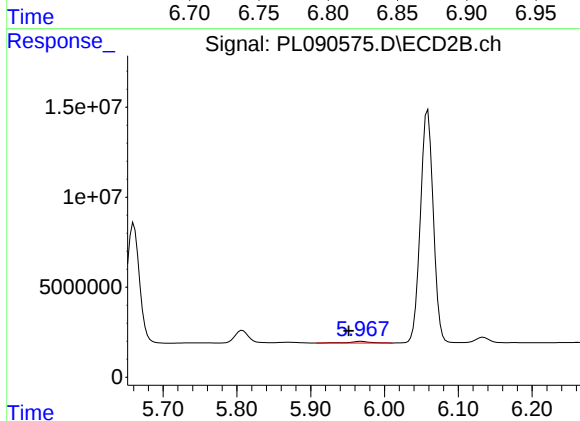
R.T.: 5.660 min  
Delta R.T.: 0.003 min  
Response: 80711000  
Conc: 46.89 ng/ml



#15 Endosulfan II

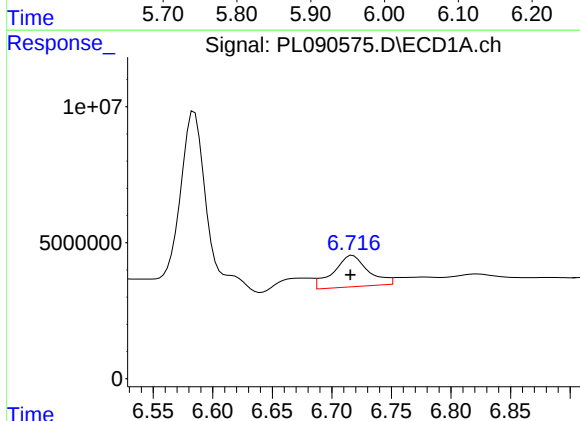
R.T.: 6.822 min  
Delta R.T.: 0.022 min  
Response: 4301643  
Conc: 2.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



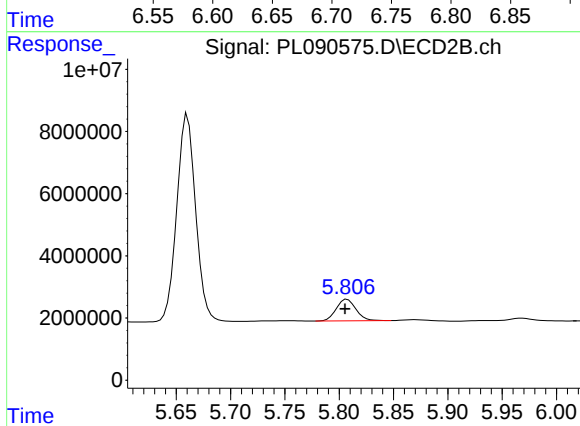
#15 Endosulfan II

R.T.: 5.968 min  
Delta R.T.: 0.017 min  
Response: 1755880  
Conc: 1.03 ng/ml



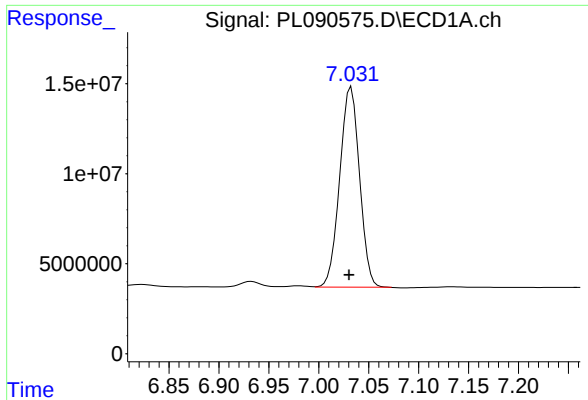
#16 4,4'-DDD

R.T.: 6.717 min  
Delta R.T.: 0.002 min  
Response: 23422035  
Conc: 13.87 ng/ml



#16 4,4'-DDD

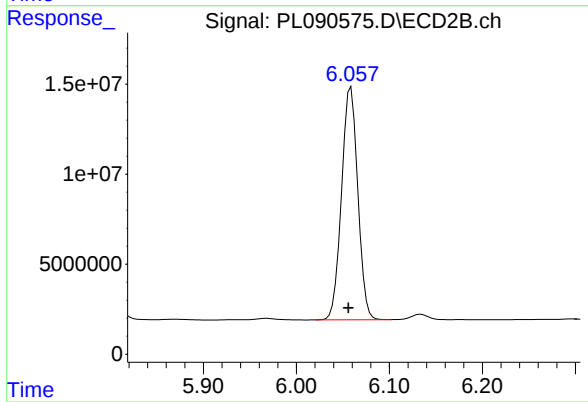
R.T.: 5.807 min  
Delta R.T.: 0.002 min  
Response: 8814606  
Conc: 5.88 ng/ml



#17 4,4'-DDT

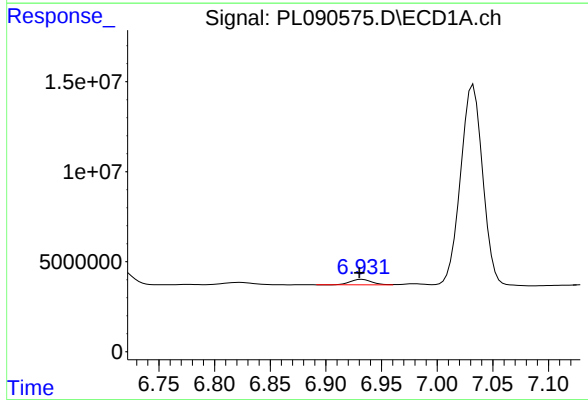
R.T.: 7.032 min  
Delta R.T.: 0.002 min  
Response: 153599184  
Conc: 91.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



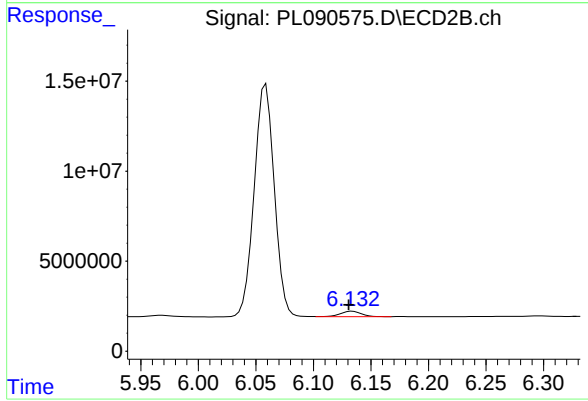
#17 4,4'-DDT

R.T.: 6.059 min  
Delta R.T.: 0.003 min  
Response: 156997416  
Conc: 107.15 ng/ml



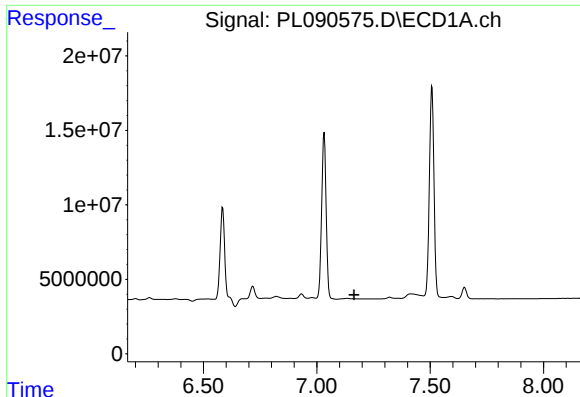
#18 Endrin aldehyde

R.T.: 6.933 min  
Delta R.T.: 0.003 min  
Response: 4180769  
Conc: 2.82 ng/ml



#18 Endrin aldehyde

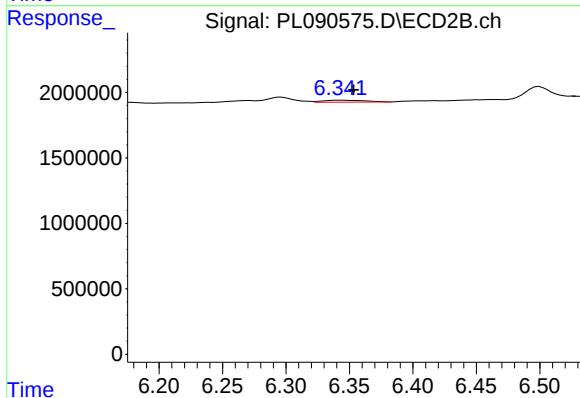
R.T.: 6.134 min  
Delta R.T.: 0.003 min  
Response: 3949268  
Conc: 3.02 ng/ml



#19 Endosulfan Sulfate

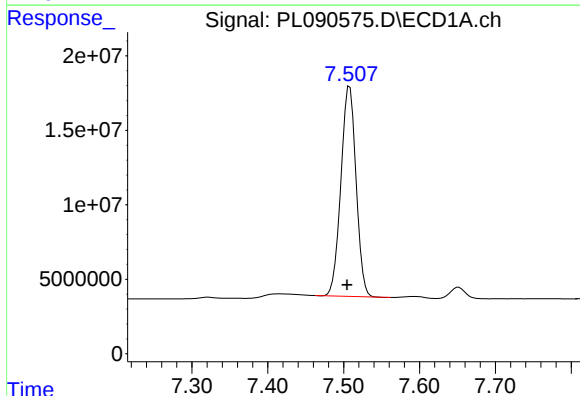
R.T.: 0.000 min  
Exp R.T.: 7.164 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



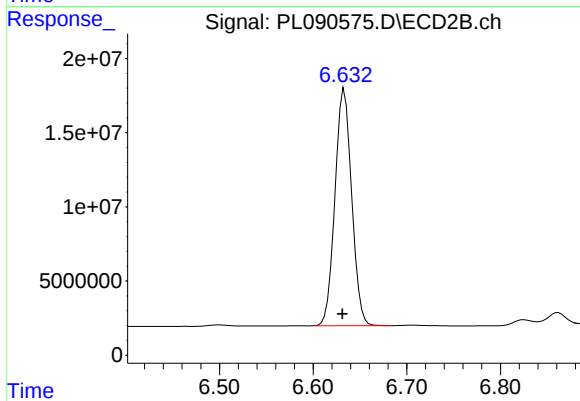
#19 Endosulfan Sulfate

R.T.: 6.342 min  
Delta R.T.: -0.011 min  
Response: 332386  
Conc: 0.21 ng/ml



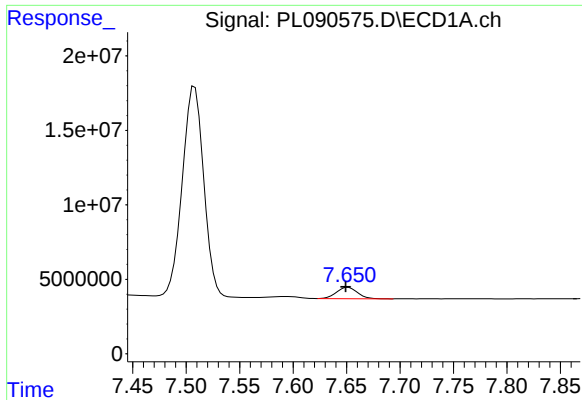
#20 Methoxychlor

R.T.: 7.508 min  
Delta R.T.: 0.003 min  
Response: 196188818  
Conc: 222.21 ng/ml



#20 Methoxychlor

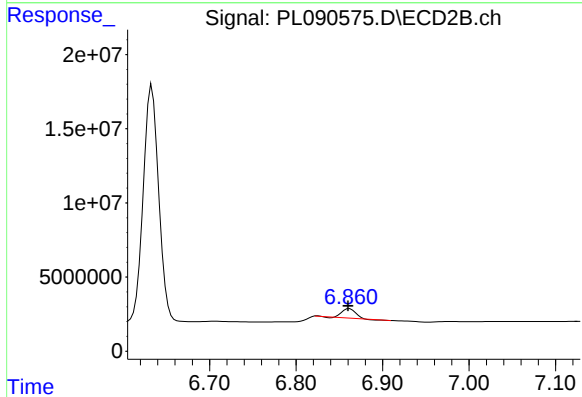
R.T.: 6.633 min  
Delta R.T.: 0.002 min  
Response: 197978549  
Conc: 244.86 ng/ml



#21 Endrin ketone

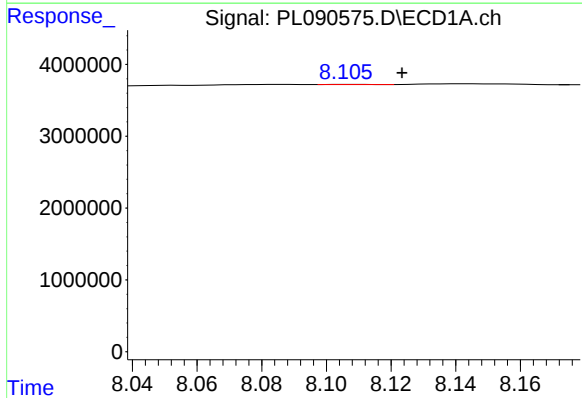
R.T.: 7.652 min  
Delta R.T.: 0.002 min  
Response: 10358532  
Conc: 5.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



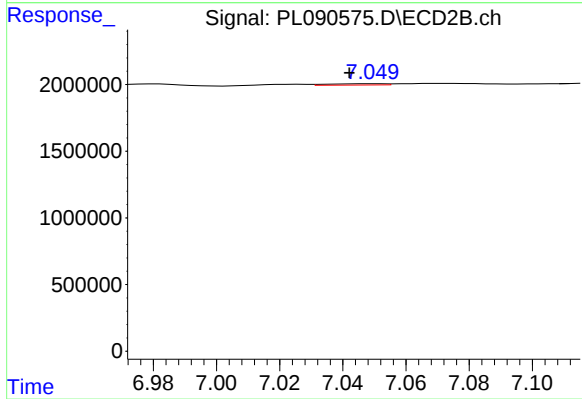
#21 Endrin ketone

R.T.: 6.862 min  
Delta R.T.: 0.002 min  
Response: 6223470  
Conc: 3.41 ng/ml



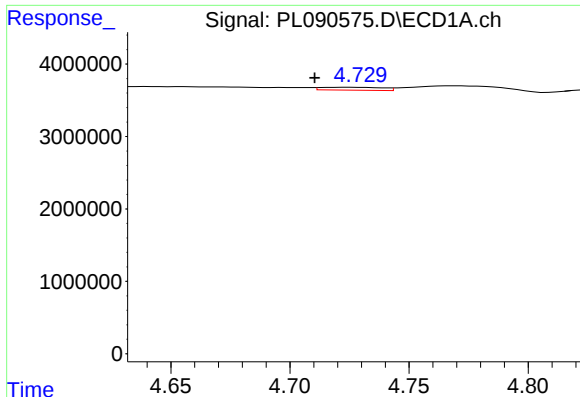
#22 Mirex

R.T.: 8.107 min  
Delta R.T.: -0.017 min  
Response: 24653  
Conc: 0.02 ng/ml



#22 Mirex

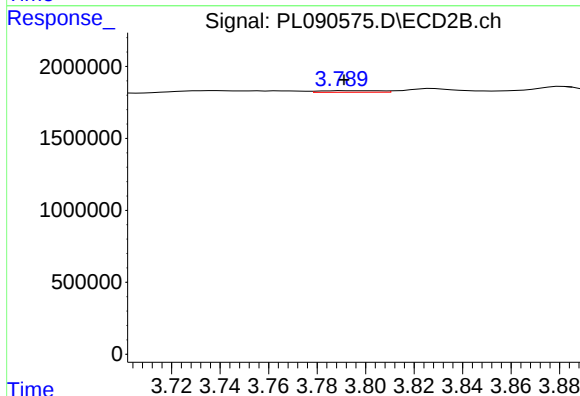
R.T.: 7.051 min  
Delta R.T.: 0.009 min  
Response: 120248  
Conc: 0.08 ng/ml



#23 Chlordane-1

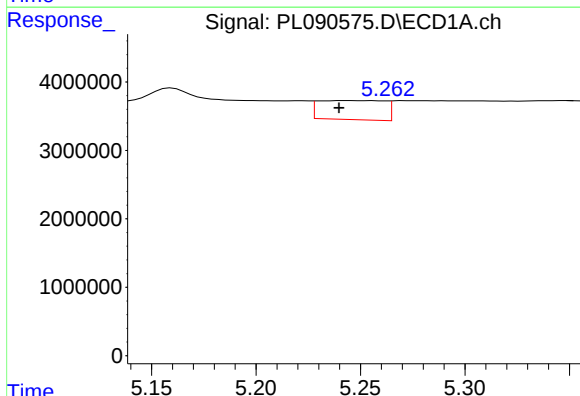
R.T.: 4.724 min  
Delta R.T.: 0.014 min  
Response: 730043  
Conc: 8.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



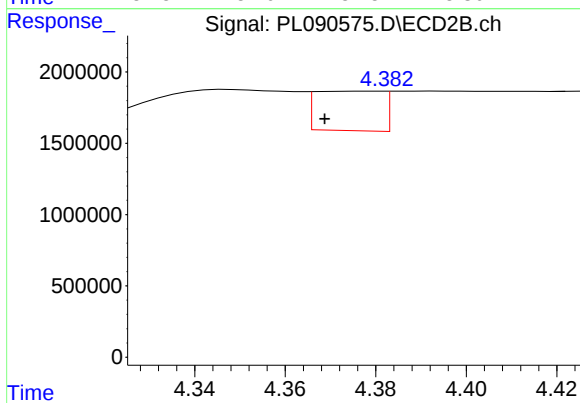
#23 Chlordane-1

R.T.: 3.791 min  
Delta R.T.: 0.000 min  
Response: 194897  
Conc: 3.15 ng/ml



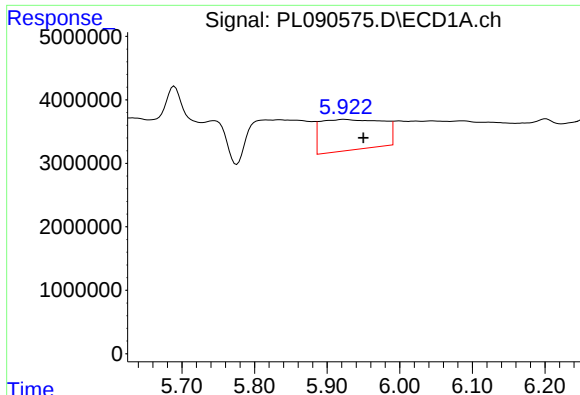
#24 Chlordane-2

R.T.: 5.245 min  
Delta R.T.: 0.006 min  
Response: 6133959  
Conc: 59.93 ng/ml



#24 Chlordane-2

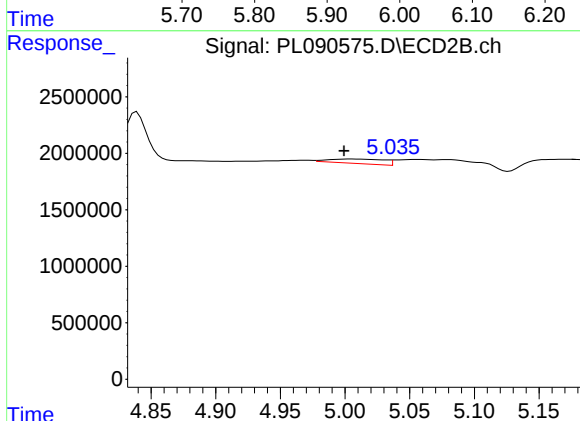
R.T.: 4.379 min  
Delta R.T.: 0.011 min  
Response: 2845287  
Conc: 37.52 ng/ml



#25 Chlordane-3

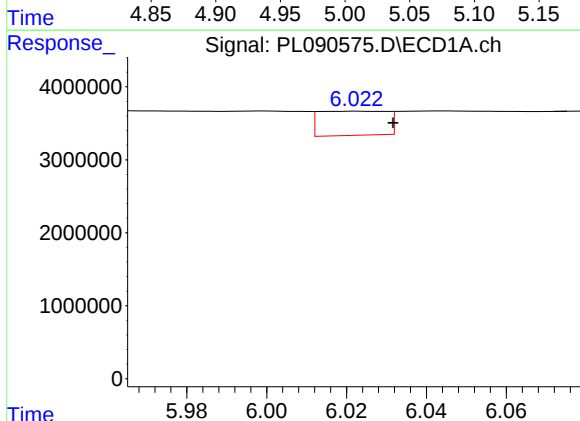
R.T.: 5.924 min  
Delta R.T.: -0.026 min  
Response: 28700640  
Conc: 86.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



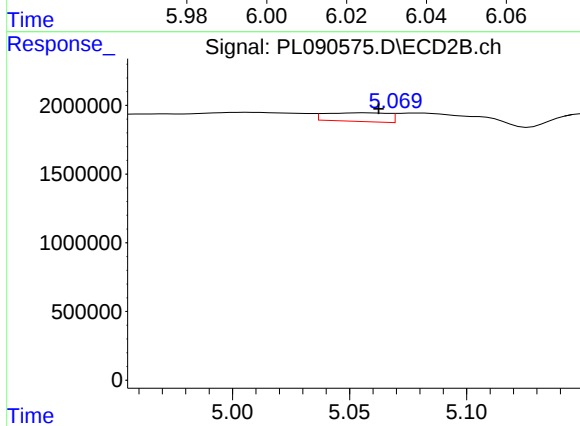
#25 Chlordane-3

R.T.: 5.006 min  
Delta R.T.: 0.007 min  
Response: 1192804  
Conc: 5.77 ng/ml



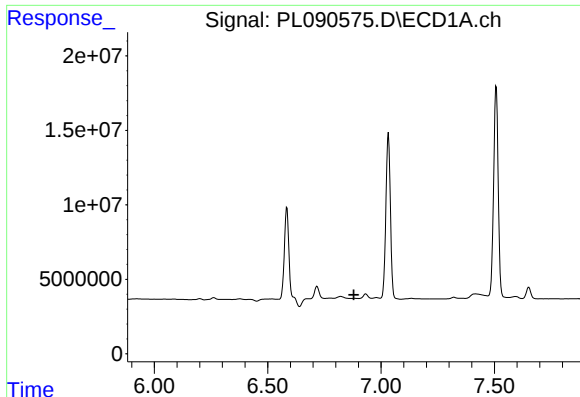
#26 Chlordane-4

R.T.: 6.023 min  
Delta R.T.: -0.008 min  
Response: 3911944  
Conc: 9.82 ng/ml



#26 Chlordane-4

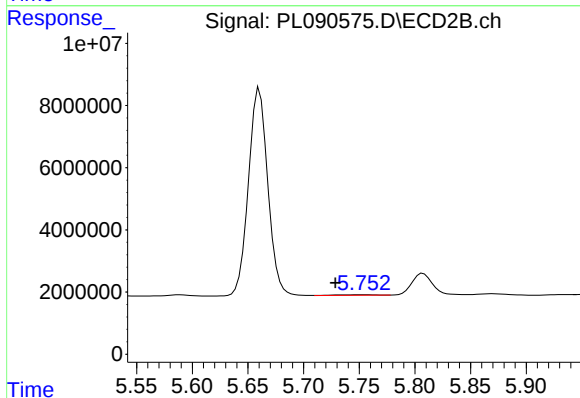
R.T.: 5.056 min  
Delta R.T.: -0.006 min  
Response: 1173930  
Conc: 6.00 ng/ml



#27 Chlordane-5

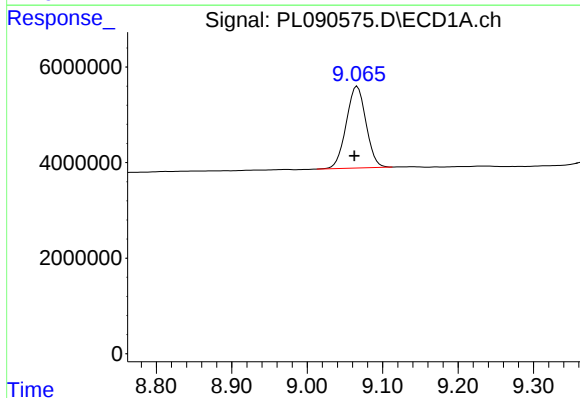
R.T.: 6.884 min  
Delta R.T.: 0.004 min  
Response: -111120  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



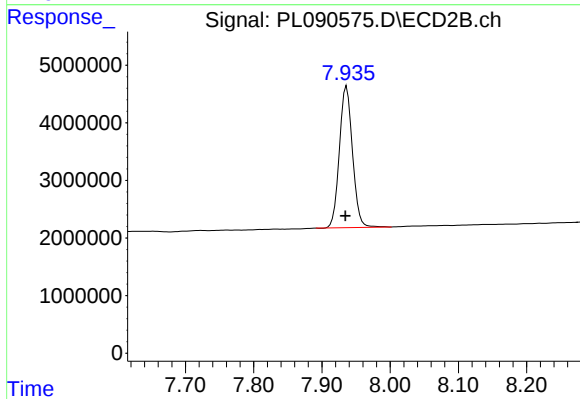
#27 Chlordane-5

R.T.: 5.754 min  
Delta R.T.: 0.026 min  
Response: 409255  
Conc: 6.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.004 min  
Response: 31095054  
Conc: 23.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.936 min  
Delta R.T.: 0.002 min  
Response: 32728514  
Conc: 22.45 ng/ml