

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051624\  
 Data File : PL089553.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 May 2024 02:10  
 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: May 17 04:10:38 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042624.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Apr 26 19:27:30 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... | 3.551  | 2.797  | 45901917 | 29213145 | 22.795  | 22.769    |
| 28)                         | SA Decachlor... | 9.068  | 7.947  | 30399380 | 28116657 | 21.729  | 20.902    |
| Target Compounds            |                 |        |        |          |          |         |           |
| 2)                          | A alpha-BHC     | 4.006  | 3.302  | 33354583 | 19316612 | 11.696  | 10.237    |
| 3)                          | MA gamma-BHC... | 4.338  | 3.632  | 30618864 | 18289088 | 10.998  | 9.911     |
| 4)                          | MA Heptachlor   | 4.954f | 0.000  | 8540285  | 0        | 3.444   | N.D. #    |
| 5)                          | MB Aldrin       | 5.267  | 4.272f | 8342053  | 1167121  | 3.248   | 0.660 #   |
| 6)                          | B beta-BHC      | 4.533  | 3.930  | 14412013 | 9699467  | 11.424  | 11.880    |
| 7)                          | B delta-BHC     | 4.760f | 4.160  | 1967298  | 873890   | 0.742   | 0.486 #   |
| 8)                          | B Heptachlo...  | 5.691  | 4.749  | 24823984 | 203273   | 10.584  | 0.126 #   |
| 9)                          | A Endosulfan I  | 6.085  | 0.000  | 3003046  | 0        | 1.397   | N.D. #    |
| 10)                         | B gamma-Chl...  | 5.923f | 5.001  | 15987236 | 1137647  | 6.994   | 0.693 #   |
| 11)                         | B alpha-Chl...  | 6.022  | 5.059  | 3263362  | 2047649  | 1.435   | 1.242     |
| 12)                         | B 4,4'-DDE      | 6.203  | 5.261  | 2533075  | 1134734  | 1.252   | 0.780 #   |
| 13)                         | MA Dieldrin     | 6.339f | 0.000  | 306566   | 0        | 0.137   | N.D. #    |
| 14)                         | MA Endrin       | 6.586  | 5.669  | 97605908 | 75065893 | 51.525  | 52.213    |
| 15)                         | B Endosulfa...  | 6.780f | 5.949  | 5500540  | 268896   | 2.756   | 0.187 #   |
| 16)                         | A 4,4'-DDD      | 6.721  | 5.818  | 11812558 | 1482332  | 7.002   | 1.202 #   |
| 17)                         | MA 4,4'-DDT     | 7.035  | 6.067  | 153.7E6  | 146.6E6  | 83.582  | 108.343 # |
| 18)                         | B Endrin al...  | 6.935  | 6.142  | 2574146  | 1809978  | 1.702   | 1.627     |
| 19)                         | B Endosulfa...  | 7.164  | 6.356  | 178562   | 147758   | 0.099   | 0.107     |
| 20)                         | A Methoxychlor  | 7.509  | 6.643  | 204.8E6  | 196.7E6  | 208.251 | 246.009   |
| 21)                         | B Endrin ke...  | 7.653  | 6.870  | 4946901  | 978633   | 2.471   | 0.612 #   |
| 22)                         | Mirex           | 8.144f | 7.068  | 299074   | 276095   | 0.192   | 0.202     |
| 23)                         | Chlordane-1     | 4.729  | 3.804  | 58300    | 43300    | 0.639   | 0.880 #   |
| 24)                         | Chlordane-2     | 5.247  | 4.374  | 8491346  | 2423625  | 80.798  | 38.098 #  |
| 25)                         | Chlordane-3     | 5.923f | 5.001  | 15987236 | 1137647  | 48.408  | 6.644 #   |
| 26)                         | Chlordane-4     | 6.022  | 5.059  | 3263362  | 2047649  | 8.006   | 12.731 #  |
| 27)                         | Chlordane-5     | 6.880  | 5.760f | 677117   | 397764   | 8.136   | 7.772     |
| -----                       |                 |        |        |          |          |         |           |

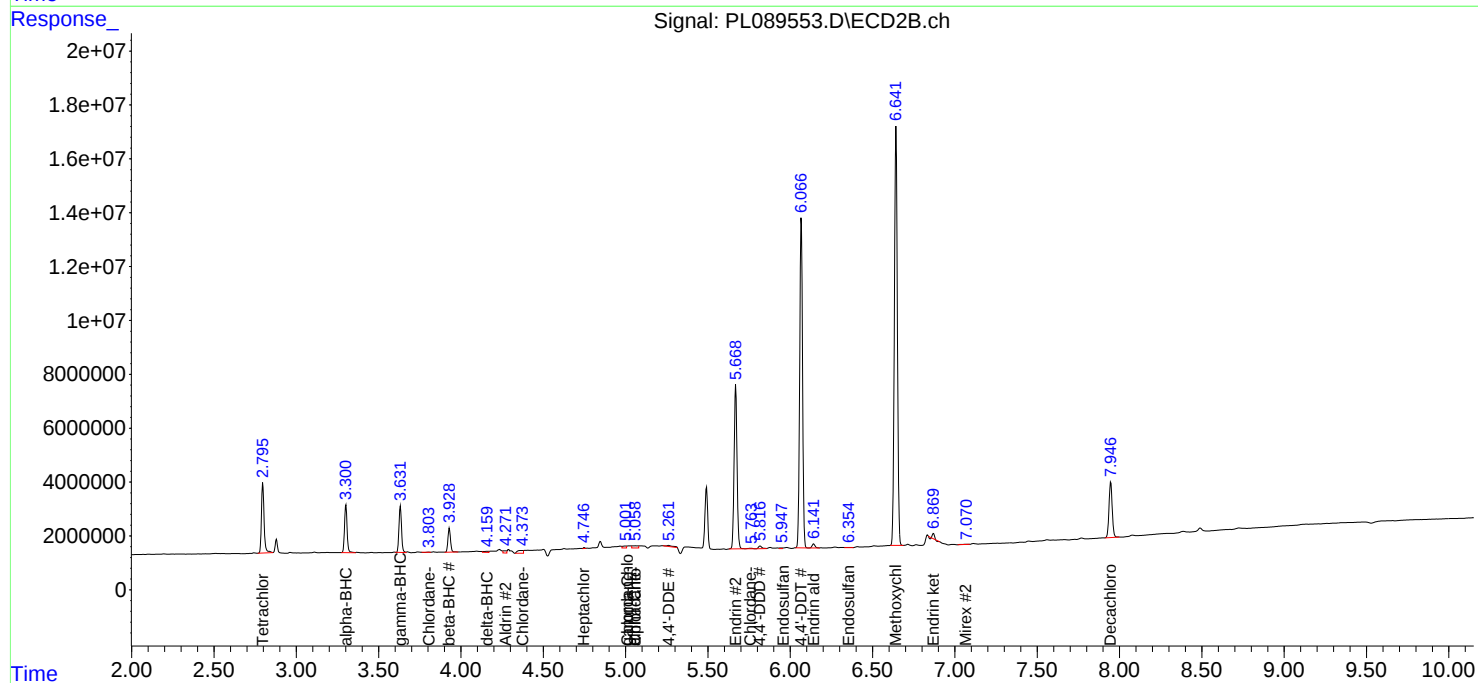
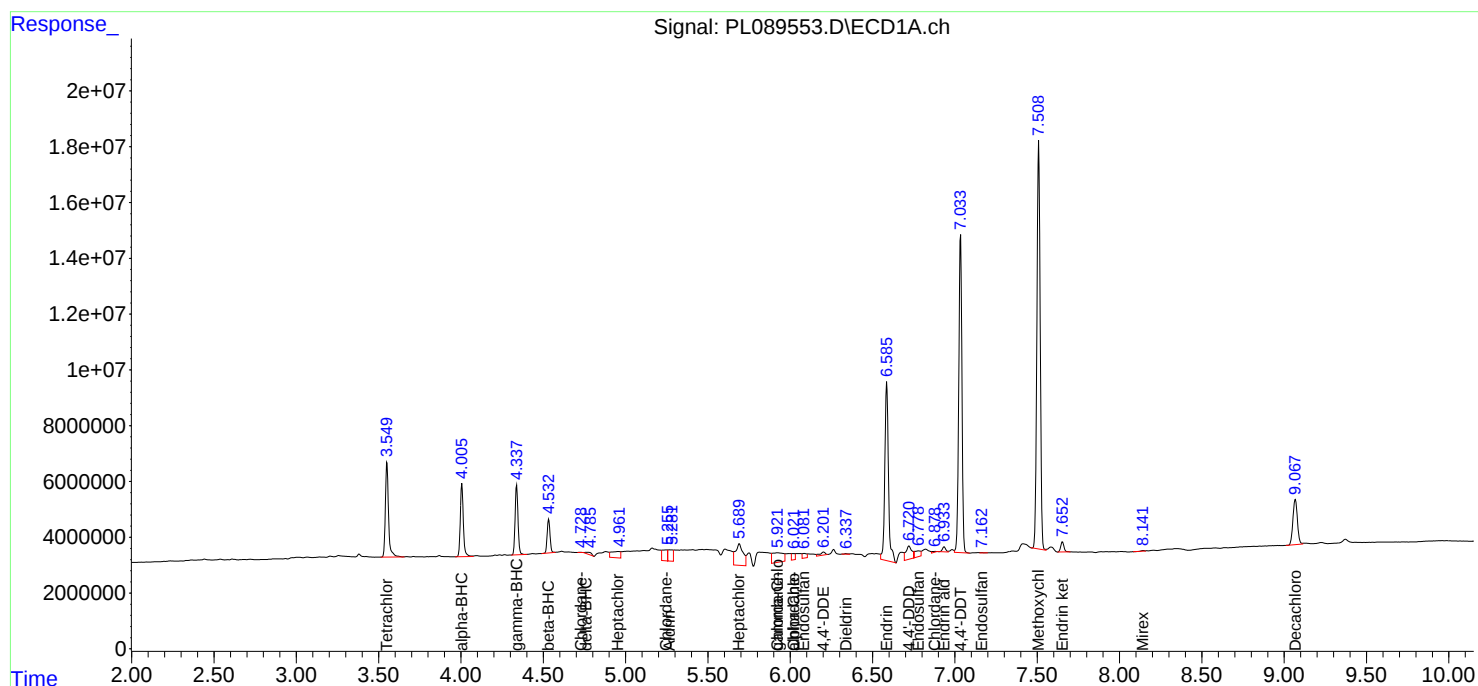
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

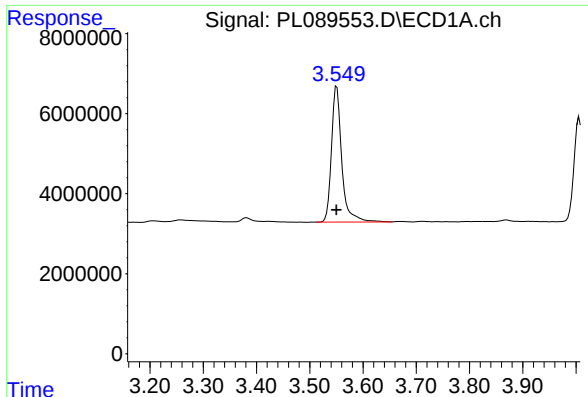
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL051624\  
Data File : PL089553.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 May 2024 02:10  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 17 04:10:38 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042624.M  
Quant Title : GC Extractables  
QLast Update : Fri Apr 26 19:27:30 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

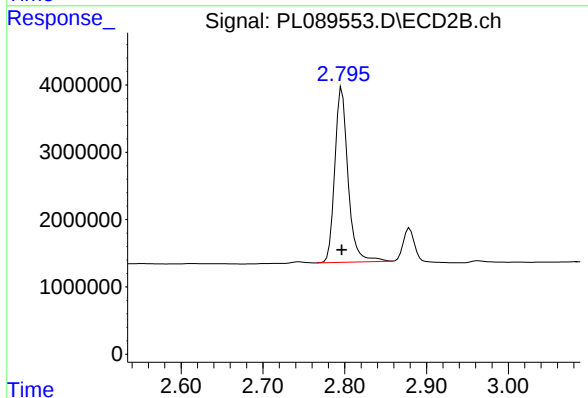




#1 Tetrachloro-m-xylene

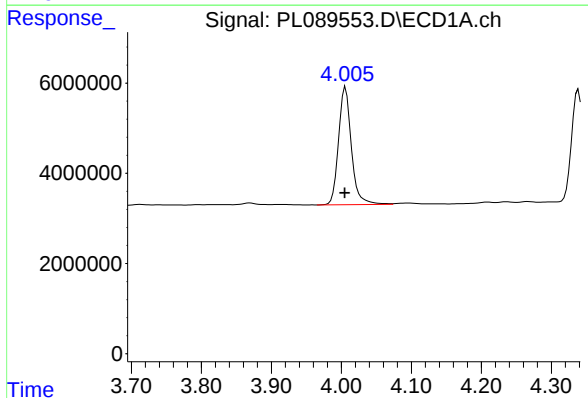
R.T.: 3.551 min  
Delta R.T.: 0.000 min  
Response: 45901917  
Conc: 22.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



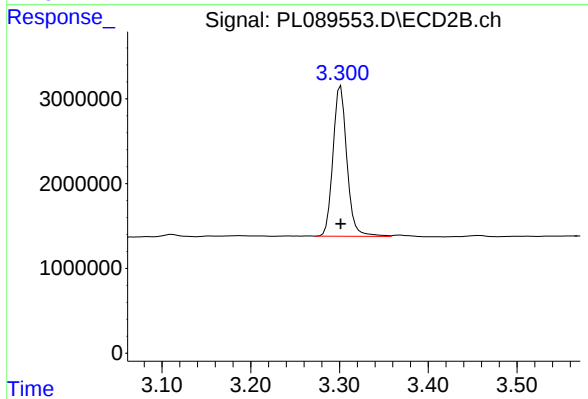
#1 Tetrachloro-m-xylene

R.T.: 2.797 min  
Delta R.T.: 0.000 min  
Response: 29213145  
Conc: 22.77 ng/ml



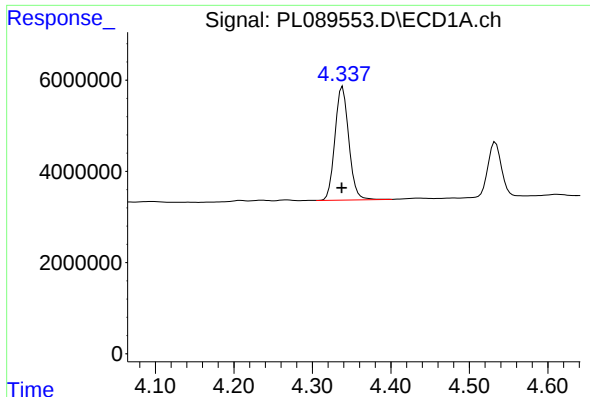
#2 alpha-BHC

R.T.: 4.006 min  
Delta R.T.: 0.001 min  
Response: 33354583  
Conc: 11.70 ng/ml



#2 alpha-BHC

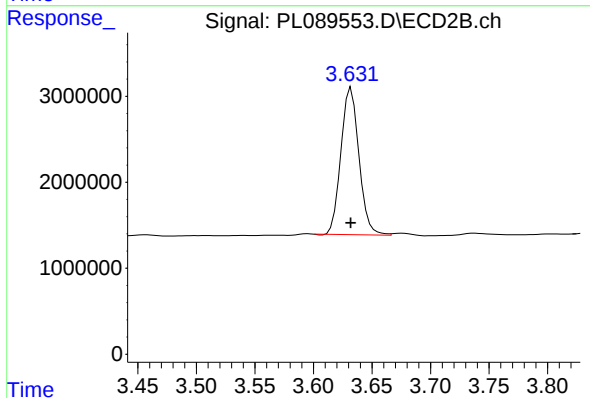
R.T.: 3.302 min  
Delta R.T.: 0.000 min  
Response: 19316612  
Conc: 10.24 ng/ml



#3 gamma-BHC (Lindane)

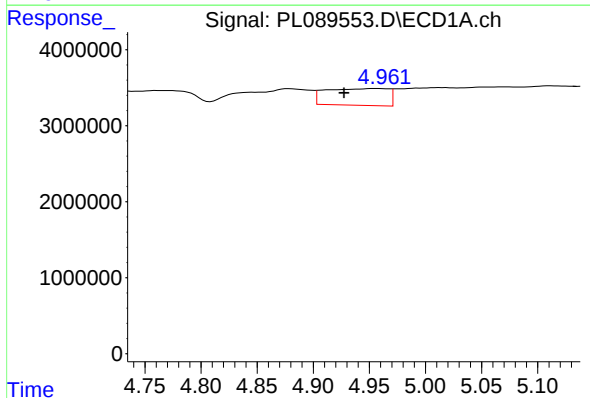
R.T.: 4.338 min  
Delta R.T.: 0.001 min  
Response: 30618864  
Conc: 11.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



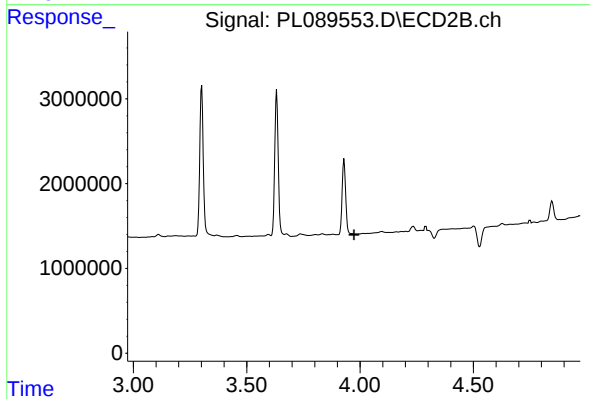
#3 gamma-BHC (Lindane)

R.T.: 3.632 min  
Delta R.T.: 0.000 min  
Response: 18289088  
Conc: 9.91 ng/ml



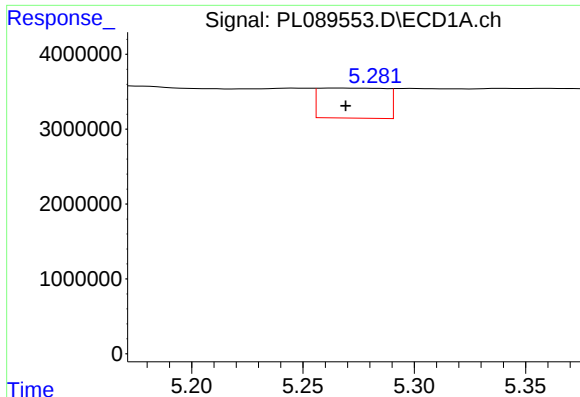
#4 Heptachlor

R.T.: 4.954 min  
Delta R.T.: 0.027 min  
Response: 8540285  
Conc: 3.44 ng/ml



#4 Heptachlor

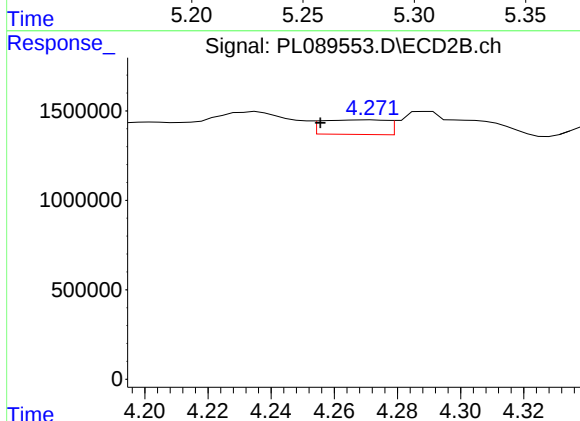
R.T.: 0.000 min  
Exp R.T. : 3.974 min  
Response: 0  
Conc: N.D.



#5 Aldrin

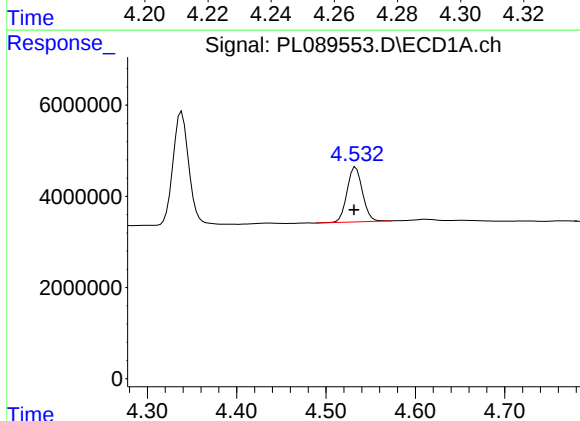
R.T.: 5.267 min  
Delta R.T.: -0.003 min  
Response: 8342053  
Conc: 3.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



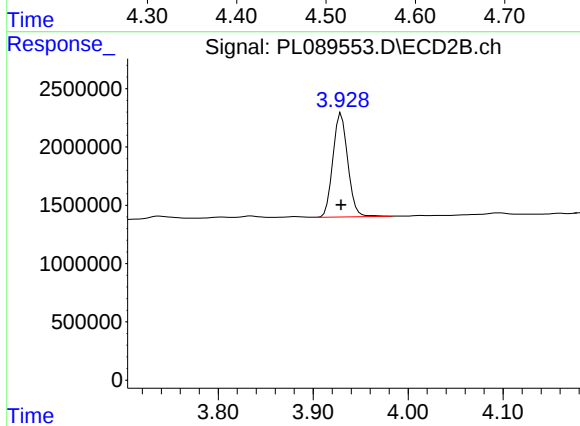
#5 Aldrin

R.T.: 4.272 min  
Delta R.T.: 0.016 min  
Response: 1167121  
Conc: 0.66 ng/ml



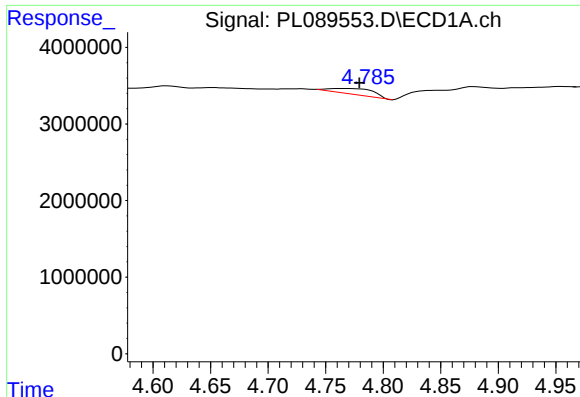
#6 beta-BHC

R.T.: 4.533 min  
Delta R.T.: 0.002 min  
Response: 14412013  
Conc: 11.42 ng/ml



#6 beta-BHC

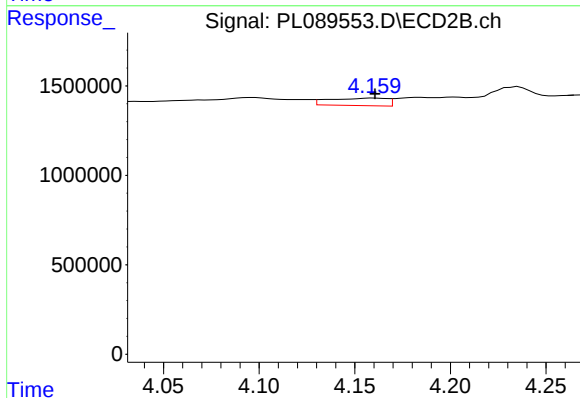
R.T.: 3.930 min  
Delta R.T.: 0.000 min  
Response: 9699467  
Conc: 11.88 ng/ml



#7 delta-BHC

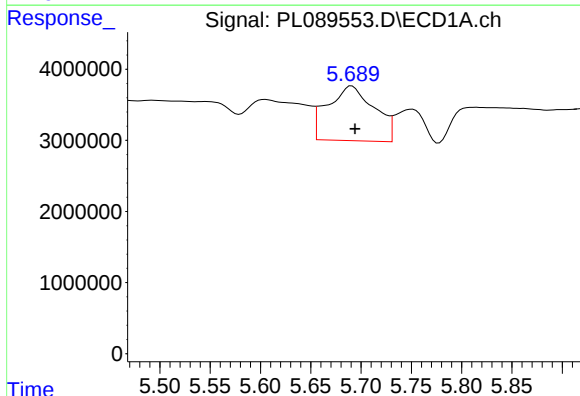
R.T.: 4.760 min  
Delta R.T.: -0.020 min  
Response: 1967298  
Conc: 0.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



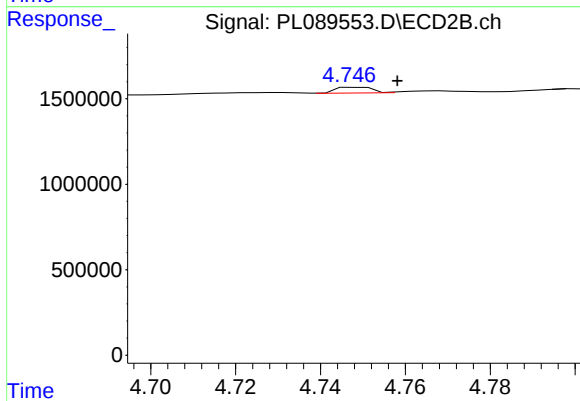
#7 delta-BHC

R.T.: 4.160 min  
Delta R.T.: 0.000 min  
Response: 873890  
Conc: 0.49 ng/ml



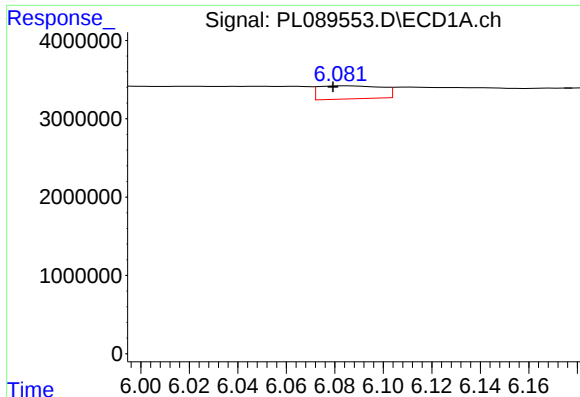
#8 Heptachlor epoxide

R.T.: 5.691 min  
Delta R.T.: -0.003 min  
Response: 24823984  
Conc: 10.58 ng/ml



#8 Heptachlor epoxide

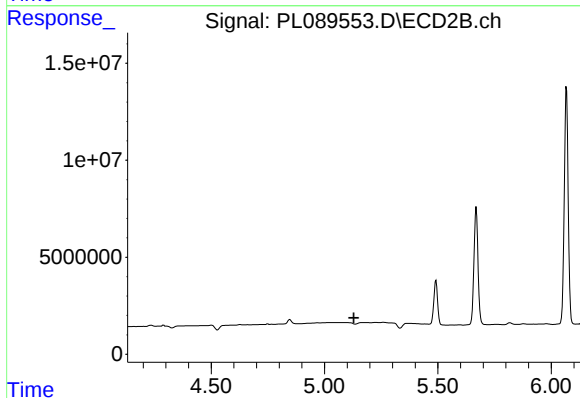
R.T.: 4.749 min  
Delta R.T.: -0.009 min  
Response: 203273  
Conc: 0.13 ng/ml



#9 Endosulfan I

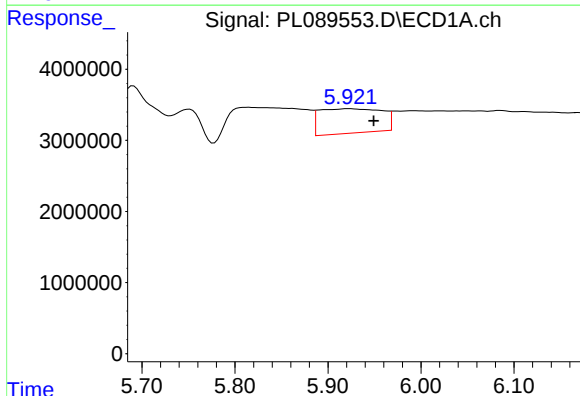
R.T.: 6.085 min  
Delta R.T.: 0.006 min  
Response: 3003046  
Conc: 1.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



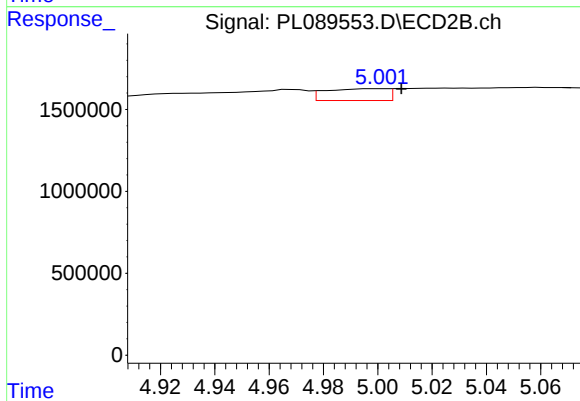
#9 Endosulfan I

R.T.: 0.000 min  
Exp R.T. : 5.129 min  
Response: 0  
Conc: N.D.



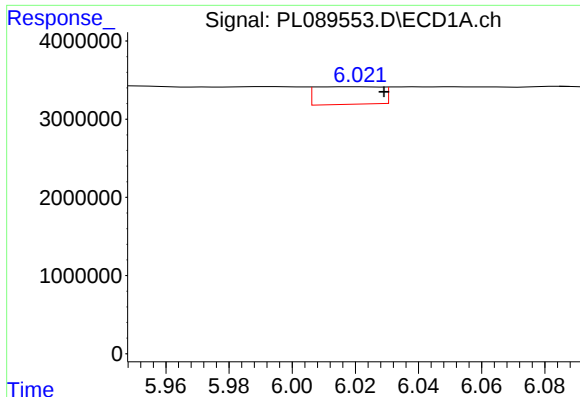
#10 gamma-Chlordane

R.T.: 5.923 min  
Delta R.T.: -0.027 min  
Response: 15987236  
Conc: 6.99 ng/ml



#10 gamma-Chlordane

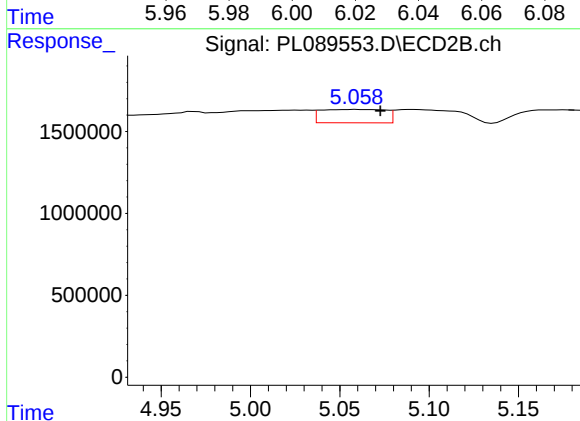
R.T.: 5.001 min  
Delta R.T.: -0.007 min  
Response: 1137647  
Conc: 0.69 ng/ml



#11 alpha-Chlordane

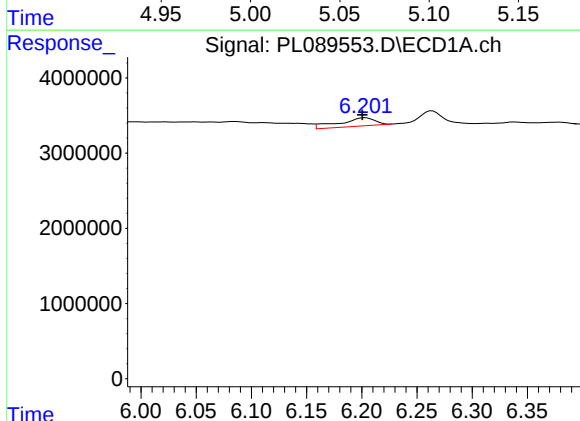
R.T.: 6.022 min  
Delta R.T.: -0.007 min  
Response: 3263362  
Conc: 1.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



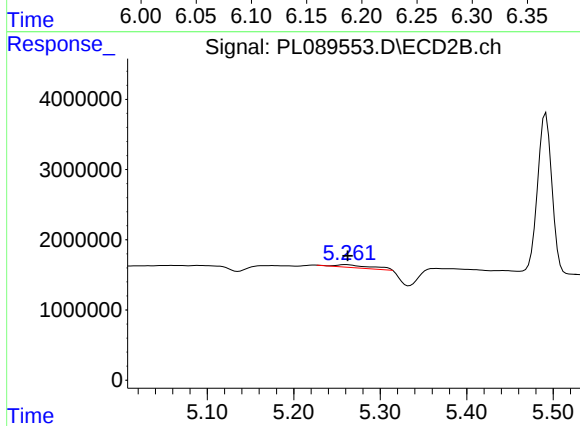
#11 alpha-Chlordane

R.T.: 5.059 min  
Delta R.T.: -0.013 min  
Response: 2047649  
Conc: 1.24 ng/ml



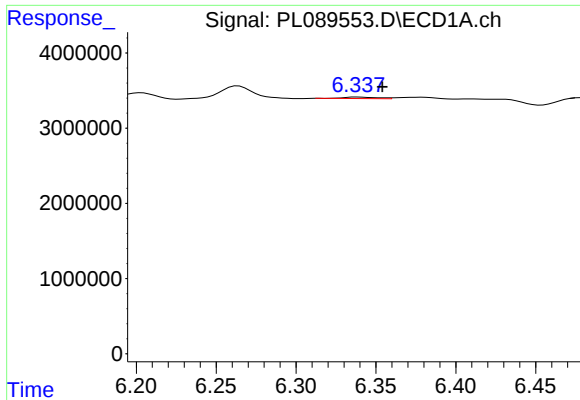
#12 4,4'-DDE

R.T.: 6.203 min  
Delta R.T.: 0.002 min  
Response: 2533075  
Conc: 1.25 ng/ml



#12 4,4'-DDE

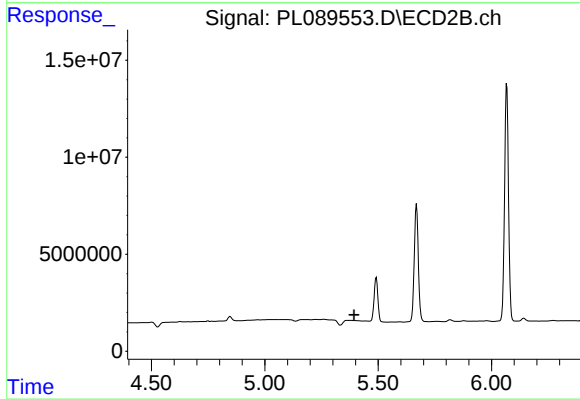
R.T.: 5.261 min  
Delta R.T.: -0.001 min  
Response: 1134734  
Conc: 0.78 ng/ml



#13 Dieldrin

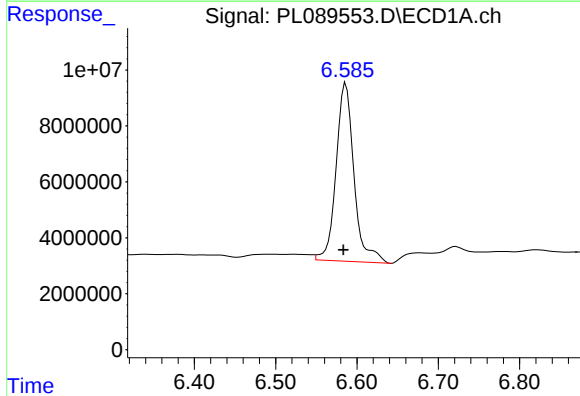
R.T.: 6.339 min  
Delta R.T.: -0.015 min  
Response: 306566  
Conc: 0.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



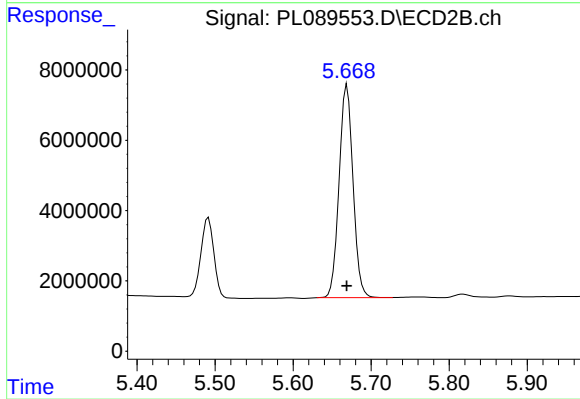
#13 Dieldrin

R.T.: 0.000 min  
Exp R.T. : 5.394 min  
Response: 0  
Conc: N.D.



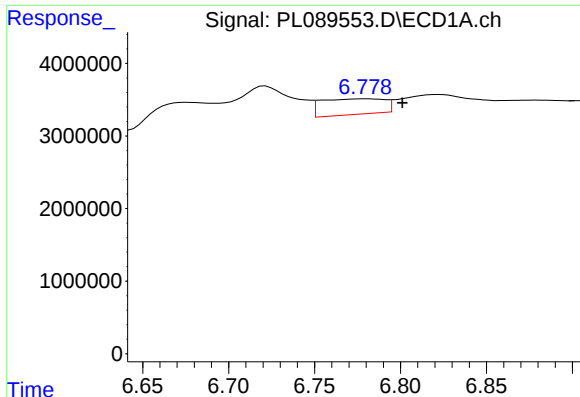
#14 Endrin

R.T.: 6.586 min  
Delta R.T.: 0.003 min  
Response: 97605908  
Conc: 51.53 ng/ml



#14 Endrin

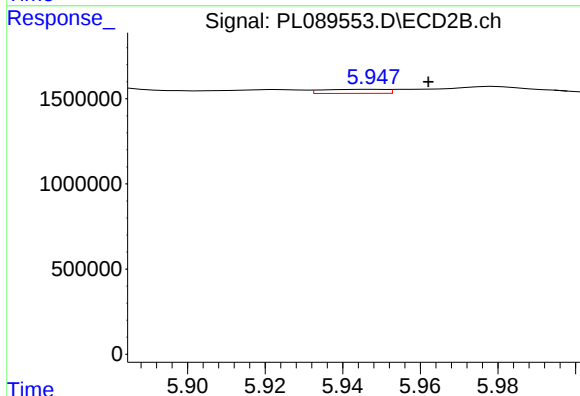
R.T.: 5.669 min  
Delta R.T.: 0.000 min  
Response: 75065893  
Conc: 52.21 ng/ml



#15 Endosulfan II

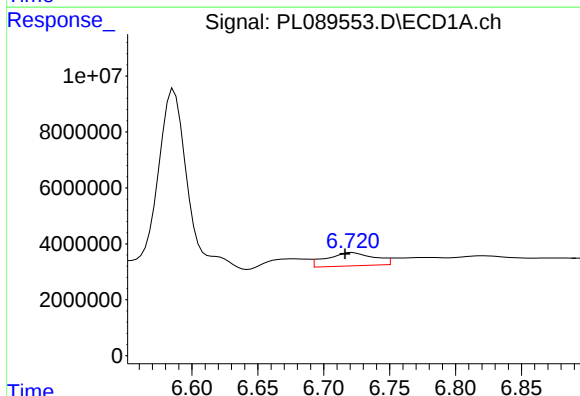
R.T.: 6.780 min  
Delta R.T.: -0.021 min  
Response: 5500540  
Conc: 2.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



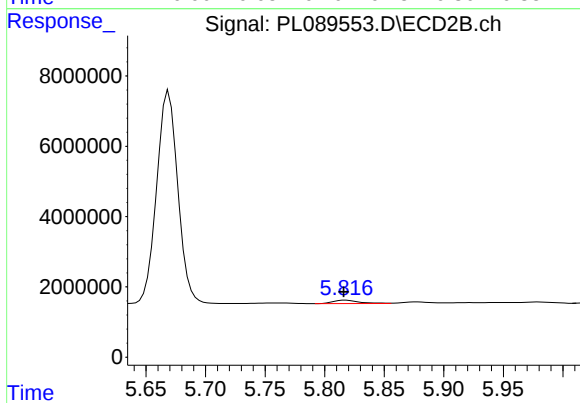
#15 Endosulfan II

R.T.: 5.949 min  
Delta R.T.: -0.014 min  
Response: 268896  
Conc: 0.19 ng/ml



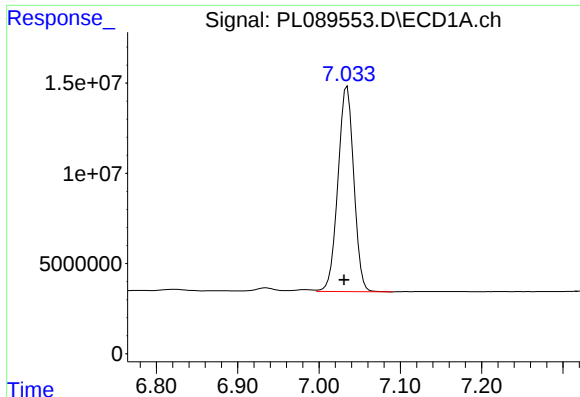
#16 4,4'-DDD

R.T.: 6.721 min  
Delta R.T.: 0.005 min  
Response: 11812558  
Conc: 7.00 ng/ml



#16 4,4'-DDD

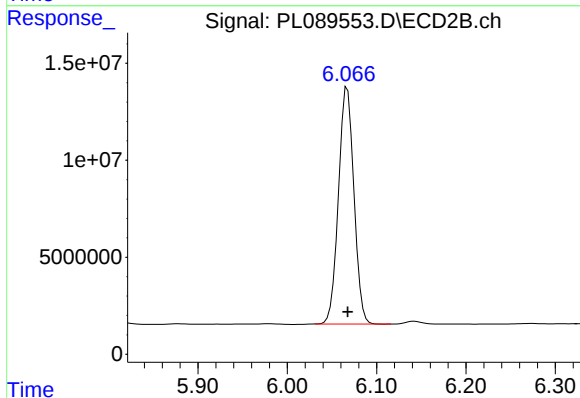
R.T.: 5.818 min  
Delta R.T.: 0.002 min  
Response: 1482332  
Conc: 1.20 ng/ml



#17 4,4'-DDT

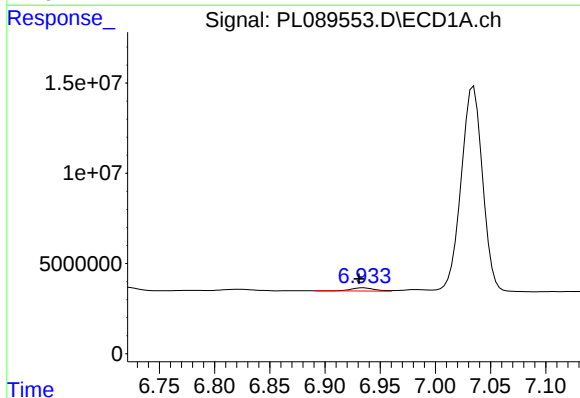
R.T.: 7.035 min  
Delta R.T.: 0.004 min  
Response: 153706381  
Conc: 83.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



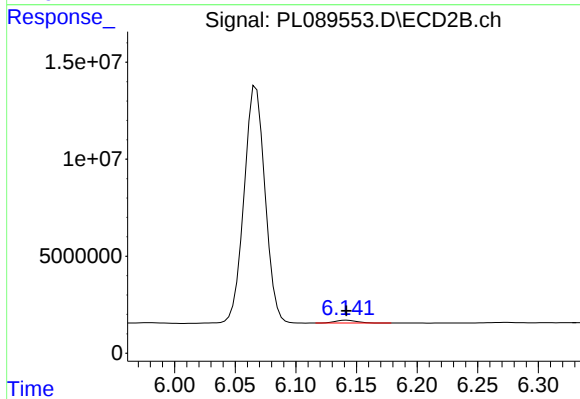
#17 4,4'-DDT

R.T.: 6.067 min  
Delta R.T.: 0.000 min  
Response: 146586088  
Conc: 108.34 ng/ml



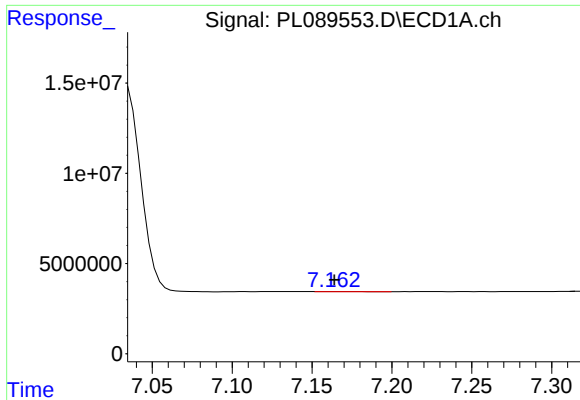
#18 Endrin aldehyde

R.T.: 6.935 min  
Delta R.T.: 0.004 min  
Response: 2574146  
Conc: 1.70 ng/ml



#18 Endrin aldehyde

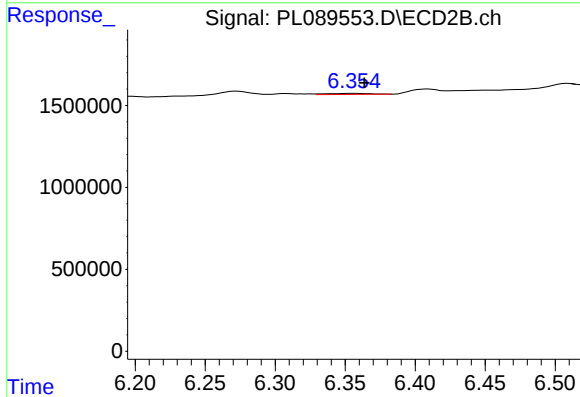
R.T.: 6.142 min  
Delta R.T.: 0.000 min  
Response: 1809978  
Conc: 1.63 ng/ml



#19 Endosulfan Sulfate

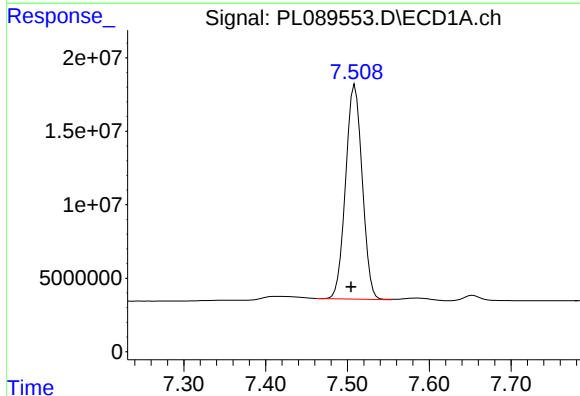
R.T.: 7.164 min  
Delta R.T.: 0.000 min  
Response: 178562  
Conc: 0.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



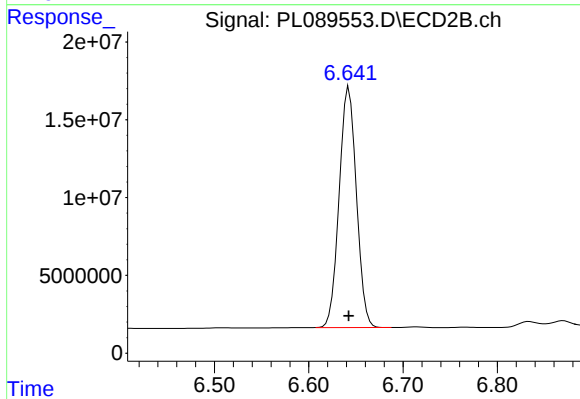
#19 Endosulfan Sulfate

R.T.: 6.356 min  
Delta R.T.: -0.008 min  
Response: 147758  
Conc: 0.11 ng/ml



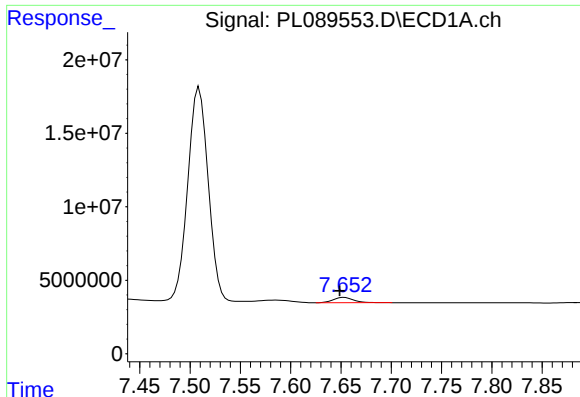
#20 Methoxychlor

R.T.: 7.509 min  
Delta R.T.: 0.005 min  
Response: 204794231  
Conc: 208.25 ng/ml



#20 Methoxychlor

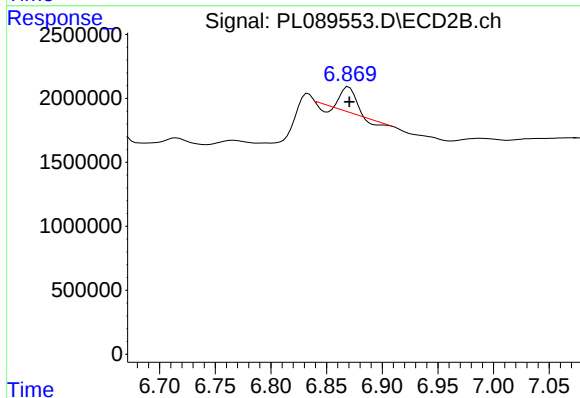
R.T.: 6.643 min  
Delta R.T.: 0.000 min  
Response: 196705087  
Conc: 246.01 ng/ml



#21 Endrin ketone

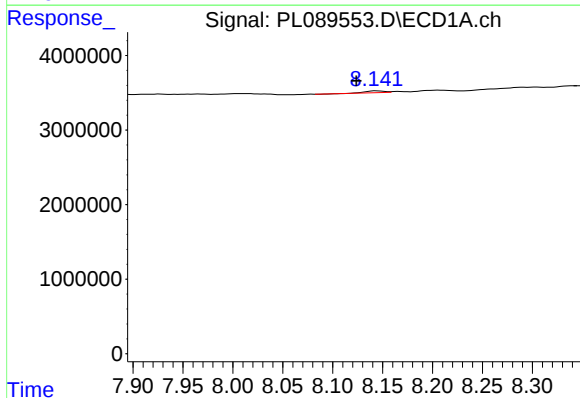
R.T.: 7.653 min  
Delta R.T.: 0.004 min  
Response: 4946901  
Conc: 2.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



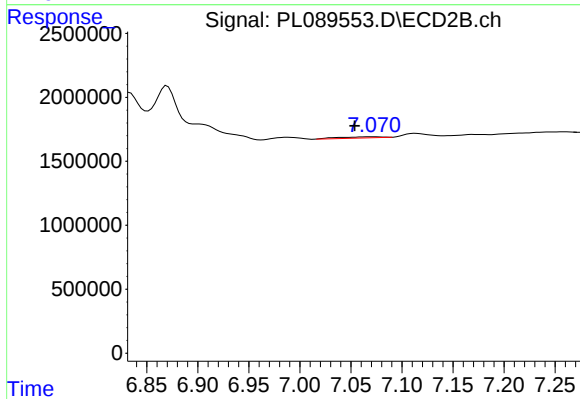
#21 Endrin ketone

R.T.: 6.870 min  
Delta R.T.: 0.000 min  
Response: 978633  
Conc: 0.61 ng/ml



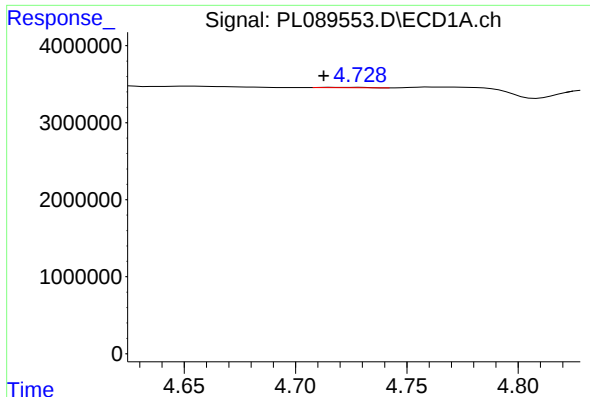
#22 Mirex

R.T.: 8.144 min  
Delta R.T.: 0.021 min  
Response: 299074  
Conc: 0.19 ng/ml



#22 Mirex

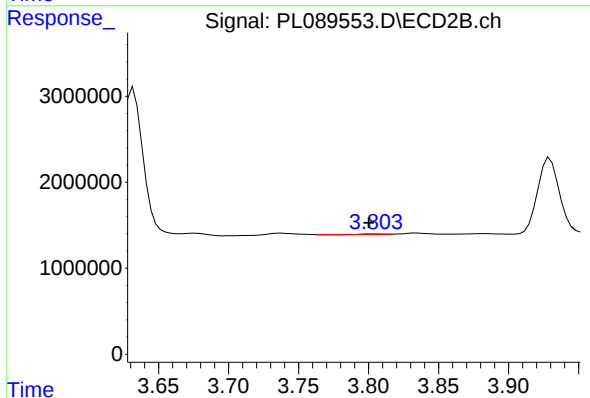
R.T.: 7.068 min  
Delta R.T.: 0.014 min  
Response: 276095  
Conc: 0.20 ng/ml



#23 Chlordane-1

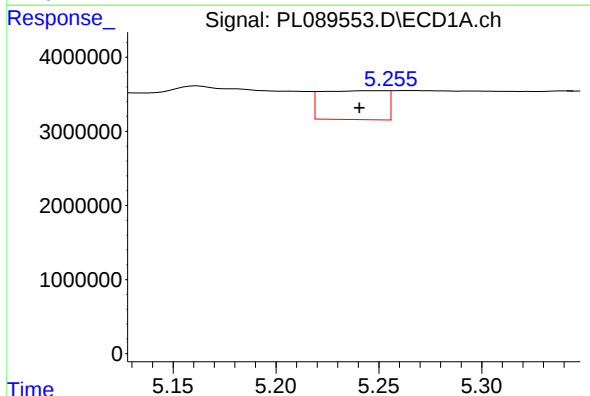
R.T.: 4.729 min  
Delta R.T.: 0.016 min  
Response: 58300  
Conc: 0.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



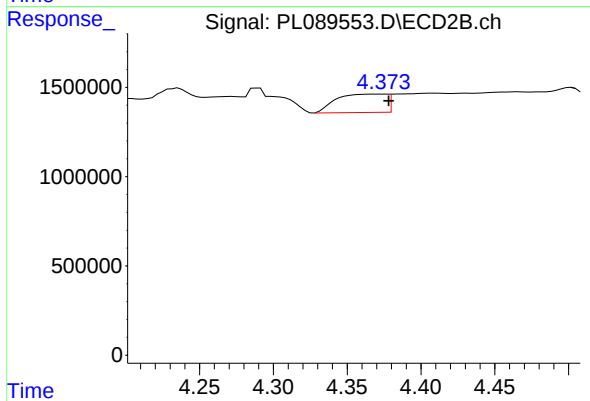
#23 Chlordane-1

R.T.: 3.804 min  
Delta R.T.: 0.004 min  
Response: 43300  
Conc: 0.88 ng/ml



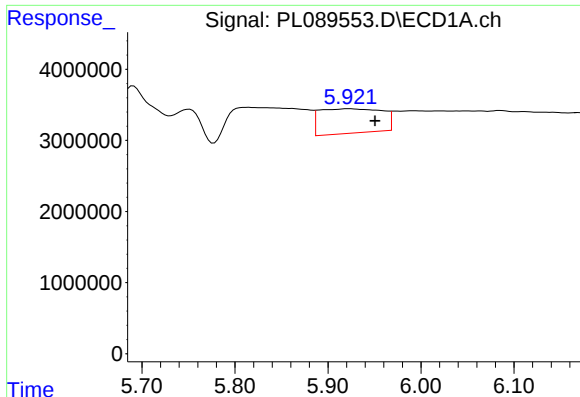
#24 Chlordane-2

R.T.: 5.247 min  
Delta R.T.: 0.007 min  
Response: 8491346  
Conc: 80.80 ng/ml



#24 Chlordane-2

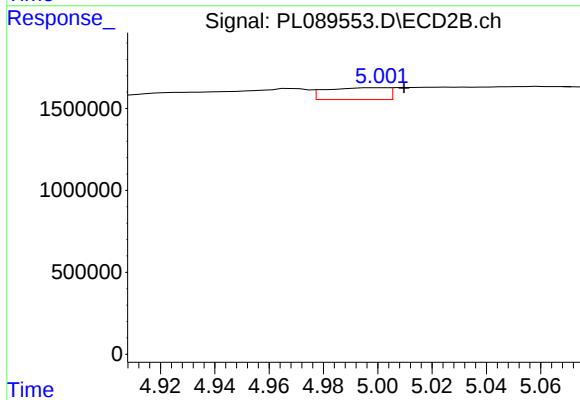
R.T.: 4.374 min  
Delta R.T.: -0.005 min  
Response: 2423625  
Conc: 38.10 ng/ml



#25 Chlordane-3

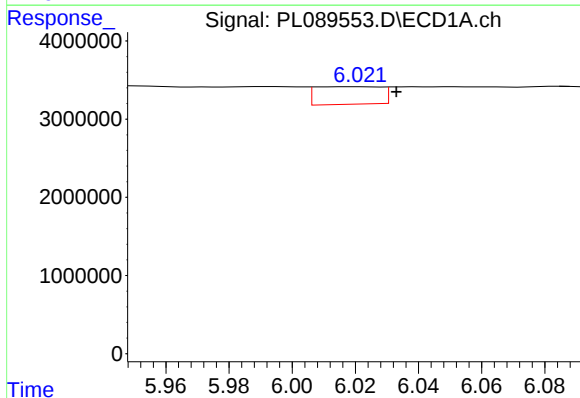
R.T.: 5.923 min  
Delta R.T.: -0.028 min  
Response: 15987236  
Conc: 48.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



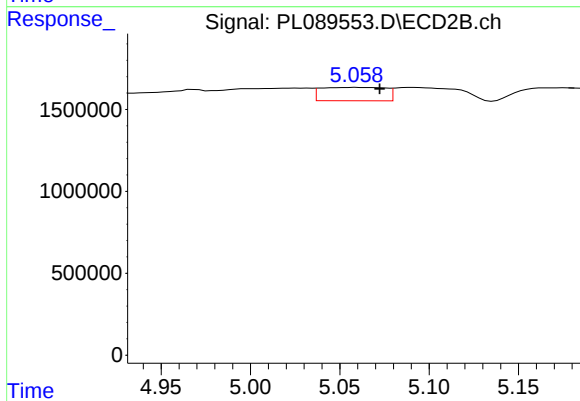
#25 Chlordane-3

R.T.: 5.001 min  
Delta R.T.: -0.008 min  
Response: 1137647  
Conc: 6.64 ng/ml



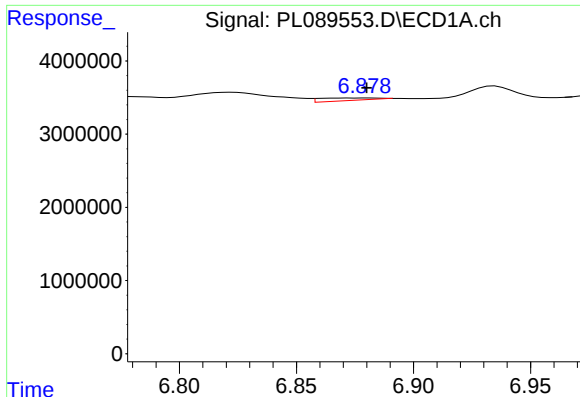
#26 Chlordane-4

R.T.: 6.022 min  
Delta R.T.: -0.011 min  
Response: 3263362  
Conc: 8.01 ng/ml



#26 Chlordane-4

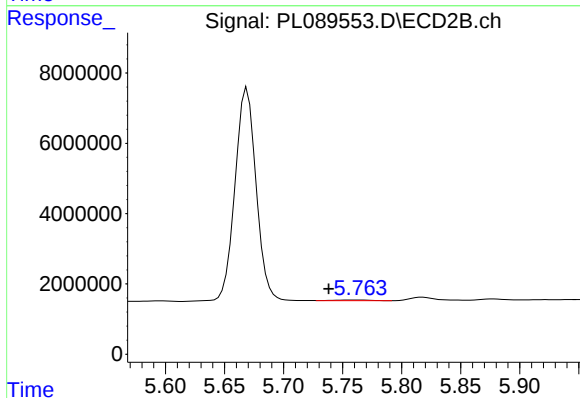
R.T.: 5.059 min  
Delta R.T.: -0.013 min  
Response: 2047649  
Conc: 12.73 ng/ml



#27 Chlordane-5

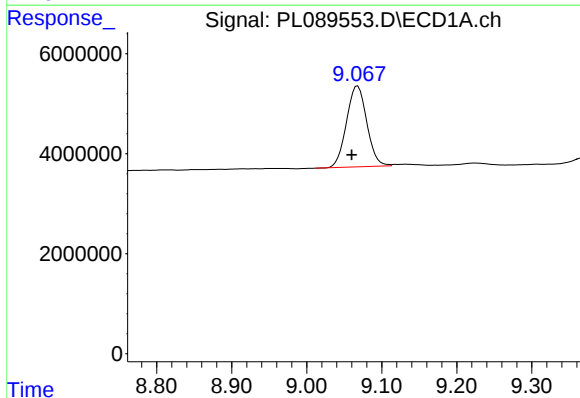
R.T.: 6.880 min  
Delta R.T.: 0.000 min  
Response: 677117  
Conc: 8.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



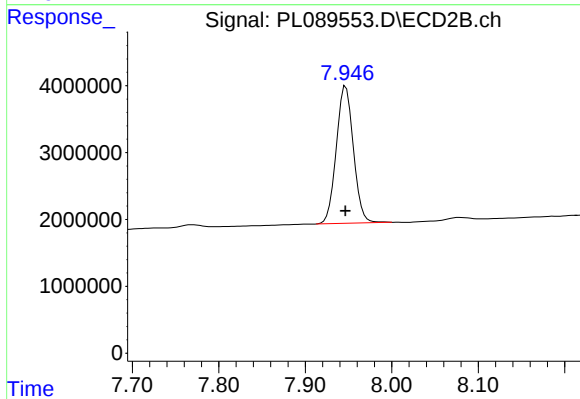
#27 Chlordane-5

R.T.: 5.760 min  
Delta R.T.: 0.021 min  
Response: 397764  
Conc: 7.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min  
Delta R.T.: 0.008 min  
Response: 30399380  
Conc: 21.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.947 min  
Delta R.T.: 0.000 min  
Response: 28116657  
Conc: 20.90 ng/ml