

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL052323\  
 Data File : PL082942.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 May 2023 17:35  
 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 23 21:25:22 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051923.M  
 Quant Title : GC Extractables  
 QLast Update : Sat May 20 04:58:53 2023  
 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... | 3.316  | 2.636  | 47304397 | 42136614 | 16.095  | 16.231  |
| 28)                         | SA Decachlor... | 8.730  | 7.740  | 36874101 | 42984158 | 17.581  | 17.287  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.764  | 3.133  | 31394021 | 27300561 | 7.072   | 7.316   |
| 3)                          | MA gamma-BHC... | 4.093  | 3.459  | 32011359 | 25481048 | 7.727   | 7.644   |
| 5)                          | MB Aldrin       | 0.000  | 4.086f | 0        | 1302871  | N.D.    | 0.400 # |
| 6)                          | B beta-BHC      | 4.296  | 3.760  | 15237794 | 13676219 | 8.093   | 9.563   |
| 7)                          | B delta-BHC     | 0.000  | 3.983  | 0        | 234797   | N.D.    | 0.072 # |
| 8)                          | B Heptachlo...  | 5.433  | 4.567  | 3127448  | 79135    | 0.978   | 0.027 # |
| 9)                          | A Endosulfan I  | 5.808  | 4.965f | 2408920  | 233273   | 0.803   | 0.083 # |
| 10)                         | B gamma-Chl...  | 5.697  | 4.826  | 2594054  | 981546   | 0.817   | 0.327 # |
| 11)                         | B alpha-Chl...  | 5.769  | 4.869  | 1061500  | 785530   | 0.331   | 0.262   |
| 12)                         | B 4,4'-DDE      | 5.944  | 5.068  | 496812   | 4752510  | 0.180   | 1.957 # |
| 13)                         | MA Dieldrin     | 0.000  | 5.198  | 0        | 136322   | N.D.    | 0.048 # |
| 14)                         | MA Endrin       | 6.315  | 5.472  | 88849902 | 89525014 | 33.063  | 35.288  |
| 16)                         | A 4,4'-DDD      | 6.459  | 5.623  | 7886437  | 6900450  | 3.629   | 3.588   |
| 17)                         | MA 4,4'-DDT     | 6.770  | 5.872  | 166.5E6  | 168.2E6  | 66.515  | 75.409  |
| 18)                         | B Endrin al...  | 6.667  | 5.949  | 3533115  | 4280346  | 1.757   | 2.165   |
| 19)                         | B Endosulfa...  | 6.879f | 6.161  | 419091   | 277950   | 0.163   | 0.113 # |
| 20)                         | A Methoxychlor  | 7.251  | 6.450  | 224.9E6  | 231.3E6  | 170.103 | 181.904 |
| 21)                         | B Endrin ke...  | 7.381  | 6.674  | 6911447  | 8912178  | 2.710   | 3.296   |
| 22)                         | Mirex           | 0.000  | 6.849  | 0        | 23861    | N.D.    | 0.010 # |
| 25)                         | Chlordane-3     | 5.697  | 4.826  | 2594054  | 981546   | 6.252   | 3.683 # |
| 26)                         | Chlordane-4     | 5.769  | 4.869  | 1061500  | 785530   | 2.096   | 2.788 # |
| 27)                         | Chlordane-5     | 0.000  | 5.787  | 0        | 620231   | N.D.    | 6.385 # |
| -----                       |                 |        |        |          |          |         |         |

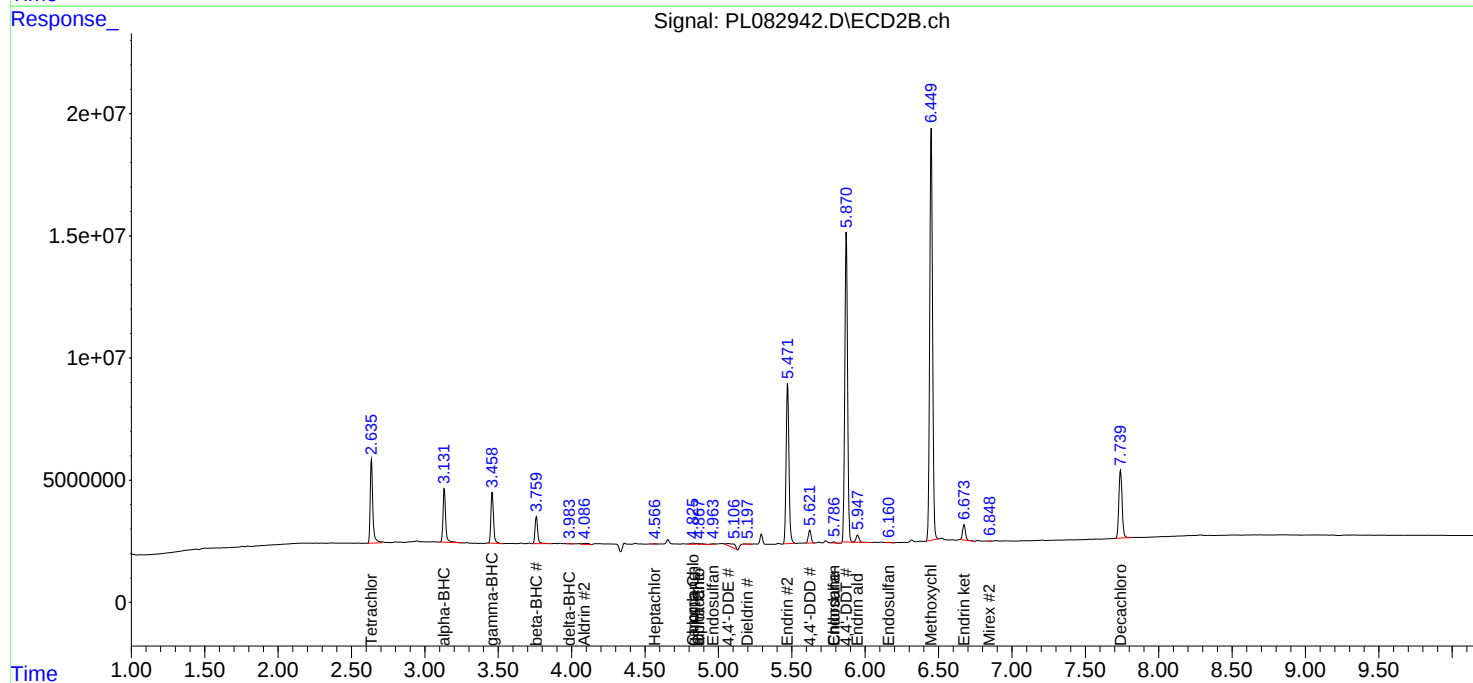
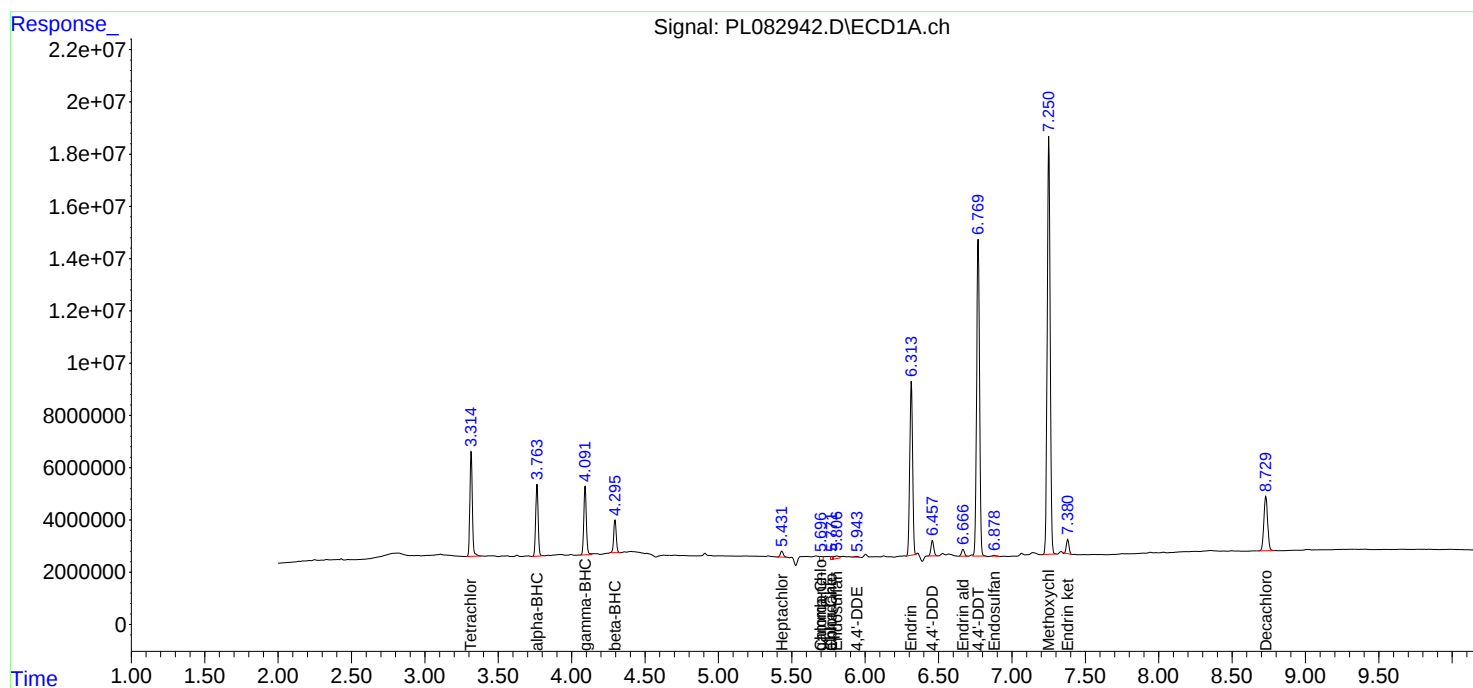
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

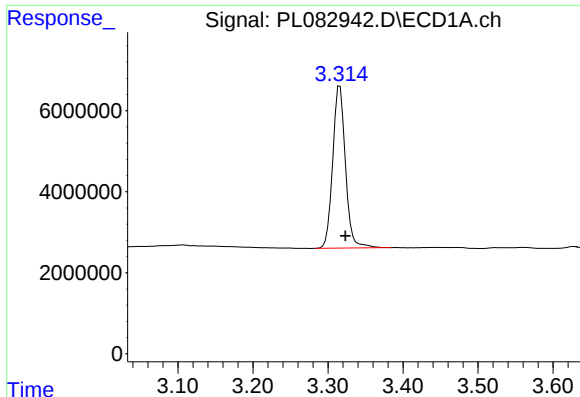
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL052323\  
Data File : PL082942.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 May 2023 17:35  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 23 21:25:22 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051923.M  
Quant Title : GC Extractables  
QLast Update : Sat May 20 04:58:53 2023  
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

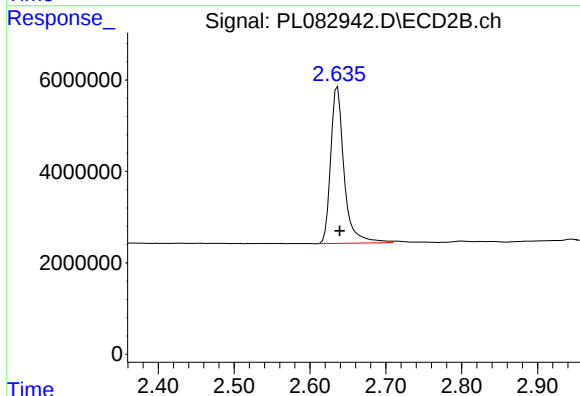




#1 Tetrachloro-m-xylene

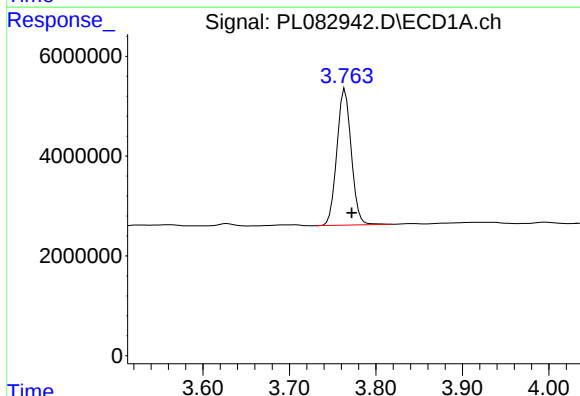
R.T.: 3.316 min  
Delta R.T.: -0.007 min  
Response: 47304397  
Conc: 16.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



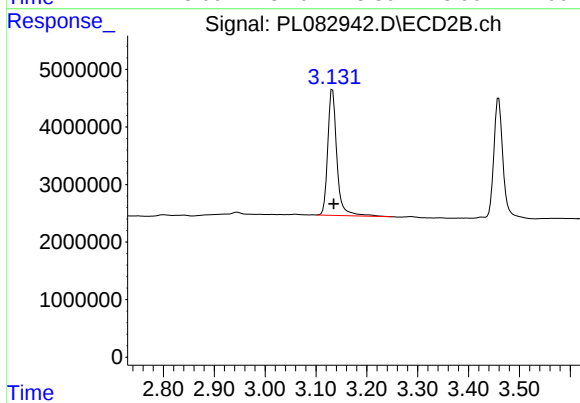
#1 Tetrachloro-m-xylene

R.T.: 2.636 min  
Delta R.T.: -0.003 min  
Response: 42136614  
Conc: 16.23 ng/ml



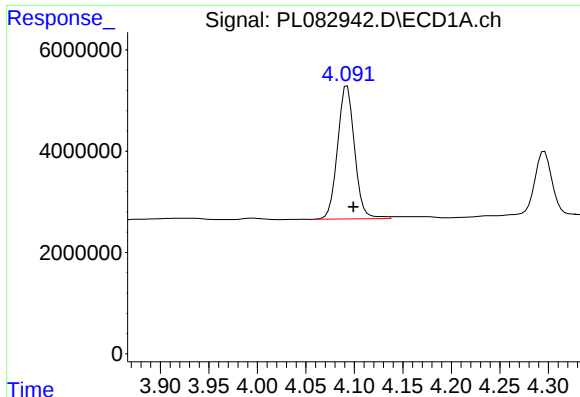
#2 alpha-BHC

R.T.: 3.764 min  
Delta R.T.: -0.008 min  
Response: 31394021  
Conc: 7.07 ng/ml



#2 alpha-BHC

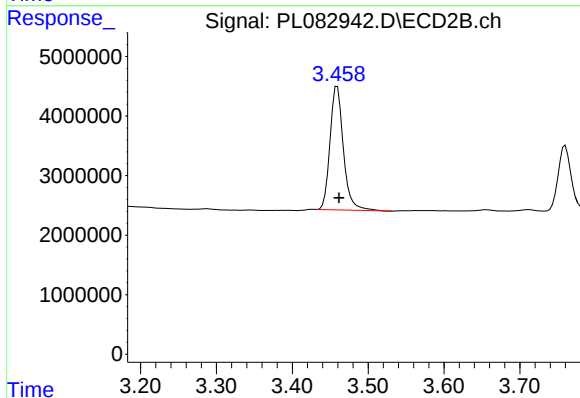
R.T.: 3.133 min  
Delta R.T.: -0.003 min  
Response: 27300561  
Conc: 7.32 ng/ml



#3 gamma-BHC (Lindane)

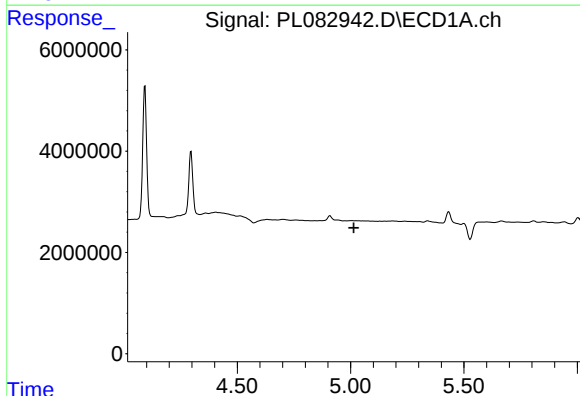
R.T.: 4.093 min  
Delta R.T.: -0.006 min  
Response: 32011359  
Conc: 7.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



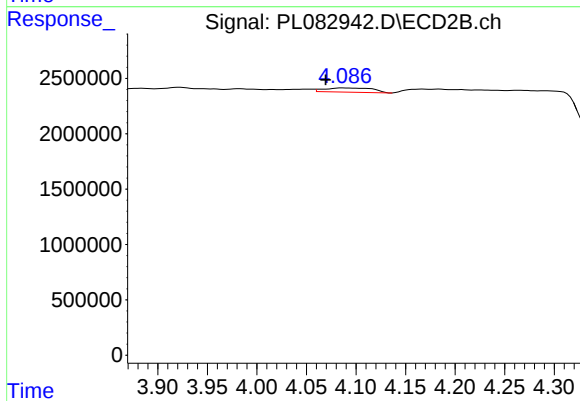
#3 gamma-BHC (Lindane)

R.T.: 3.459 min  
Delta R.T.: -0.003 min  
Response: 25481048  
Conc: 7.64 ng/ml



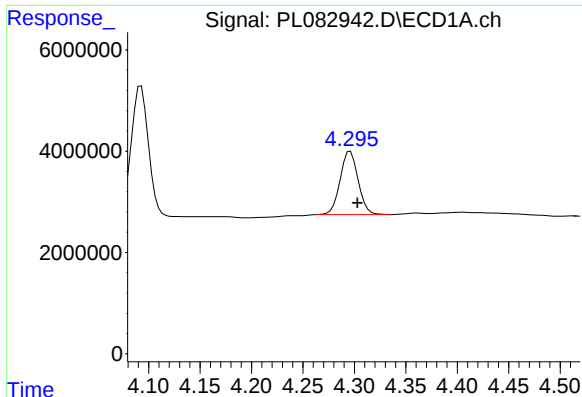
#5 Aldrin

R.T.: 0.000 min  
Exp R.T. : 5.014 min  
Response: 0  
Conc: N.D.



#5 Aldrin

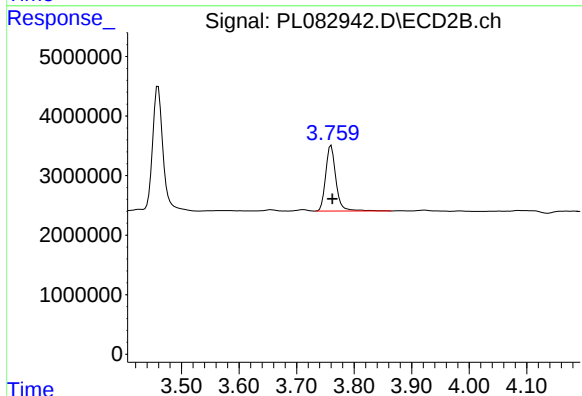
R.T.: 4.086 min  
Delta R.T.: 0.017 min  
Response: 1302871  
Conc: 0.40 ng/ml



#6 beta-BHC

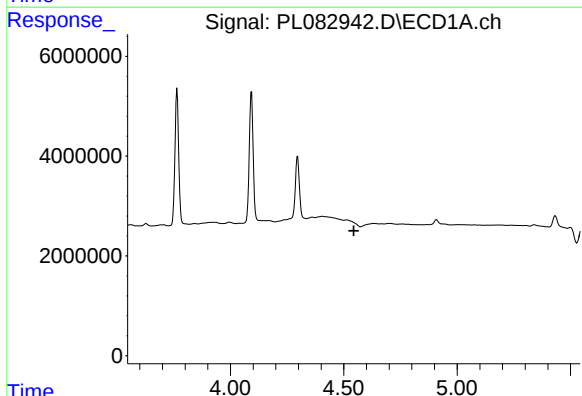
R.T.: 4.296 min  
Delta R.T.: -0.007 min  
Response: 15237794  
Conc: 8.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



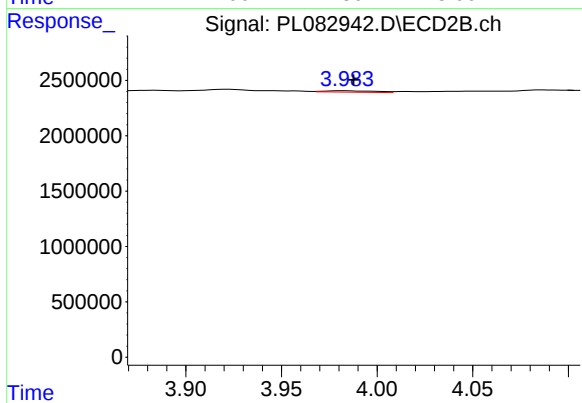
#6 beta-BHC

R.T.: 3.760 min  
Delta R.T.: -0.002 min  
Response: 13676219  
Conc: 9.56 ng/ml



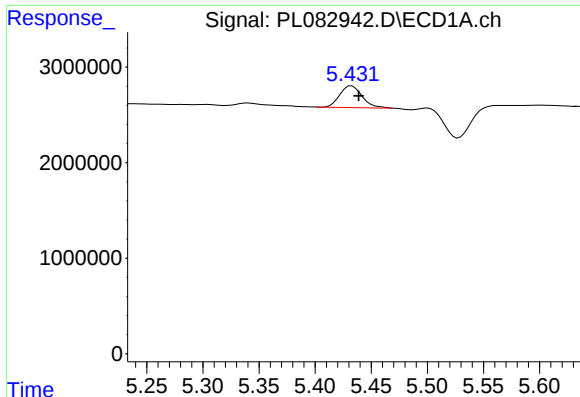
#7 delta-BHC

R.T.: 0.000 min  
Exp R.T. : 4.544 min  
Response: 0  
Conc: N.D.



#7 delta-BHC

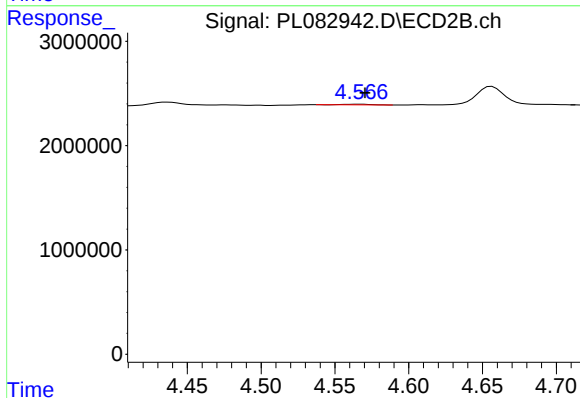
R.T.: 3.983 min  
Delta R.T.: -0.005 min  
Response: 234797  
Conc: 0.07 ng/ml



#8 Heptachlor epoxide

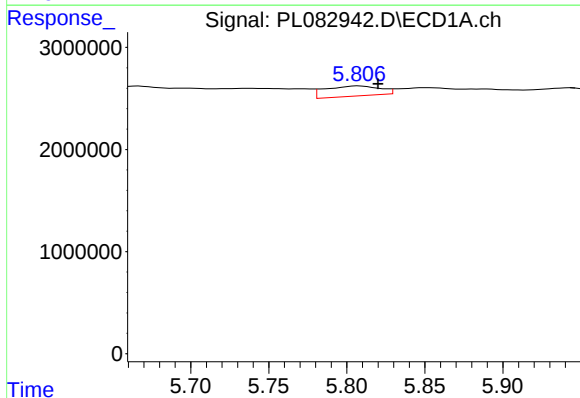
R.T.: 5.433 min  
Delta R.T.: -0.006 min  
Response: 3127448  
Conc: 0.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



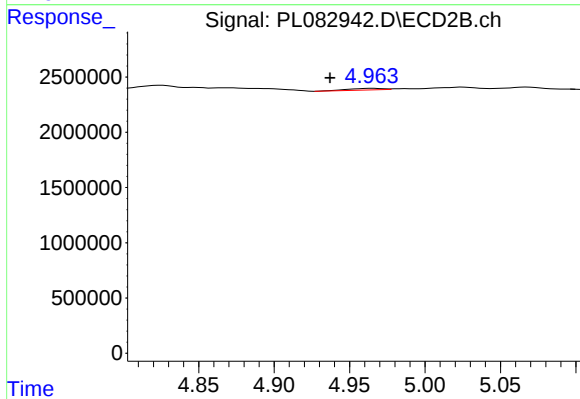
#8 Heptachlor epoxide

R.T.: 4.567 min  
Delta R.T.: -0.003 min  
Response: 79135  
Conc: 0.03 ng/ml



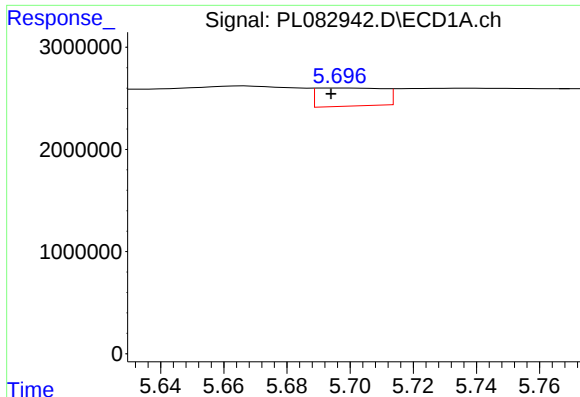
#9 Endosulfan I

R.T.: 5.808 min  
Delta R.T.: -0.012 min  
Response: 2408920  
Conc: 0.80 ng/ml



#9 Endosulfan I

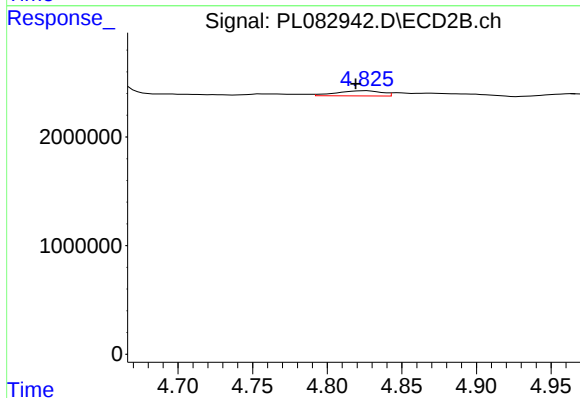
R.T.: 4.965 min  
Delta R.T.: 0.027 min  
Response: 233273  
Conc: 0.08 ng/ml



#10 gamma-Chlordane

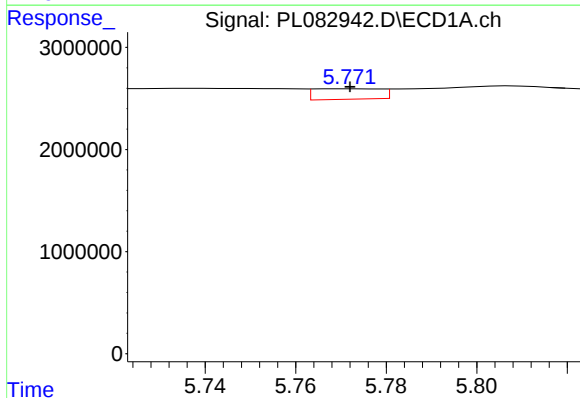
R.T.: 5.697 min  
Delta R.T.: 0.003 min  
Response: 2594054  
Conc: 0.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



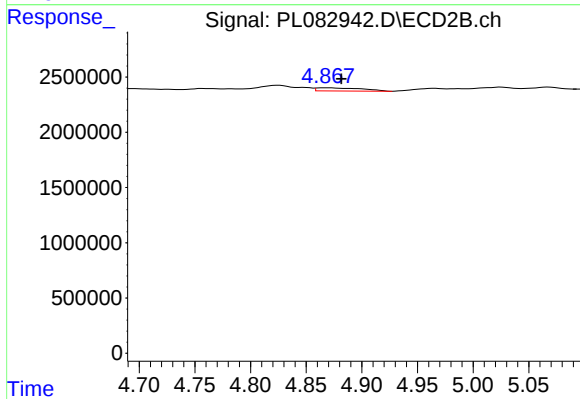
#10 gamma-Chlordane

R.T.: 4.826 min  
Delta R.T.: 0.007 min  
Response: 981546  
Conc: 0.33 ng/ml



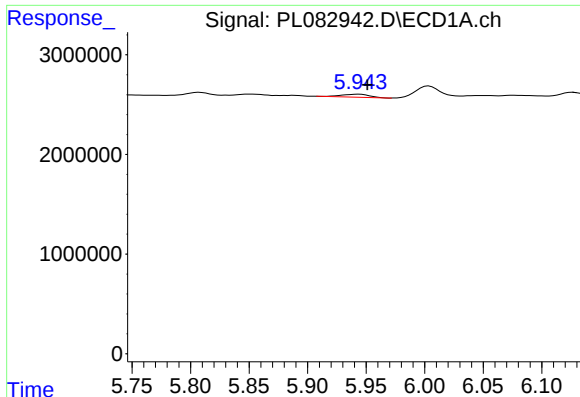
#11 alpha-Chlordane

R.T.: 5.769 min  
Delta R.T.: -0.003 min  
Response: 1061500  
Conc: 0.33 ng/ml



#11 alpha-Chlordane

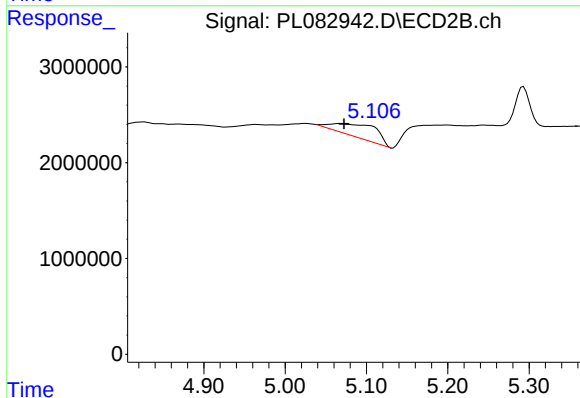
R.T.: 4.869 min  
Delta R.T.: -0.013 min  
Response: 785530  
Conc: 0.26 ng/ml



#12 4,4'-DDE

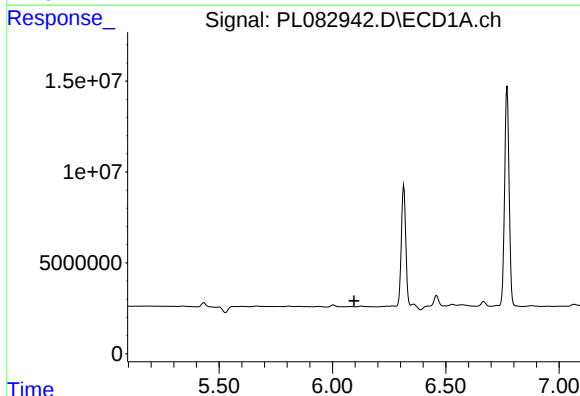
R.T.: 5.944 min  
Delta R.T.: -0.007 min  
Response: 496812  
Conc: 0.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



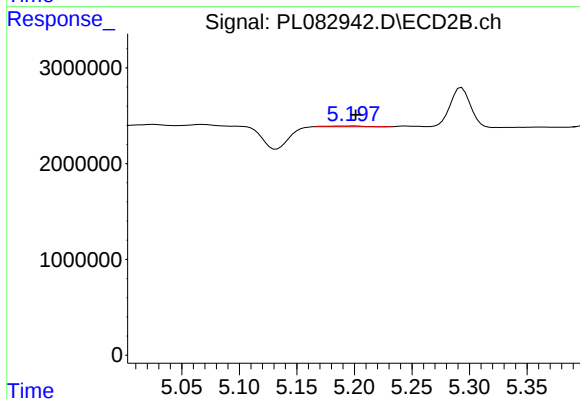
#12 4,4'-DDE

R.T.: 5.068 min  
Delta R.T.: -0.004 min  
Response: 4752510  
Conc: 1.96 ng/ml



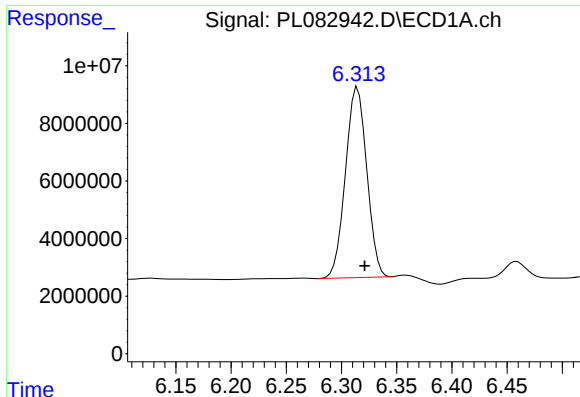
#13 Dieldrin

R.T.: 0.000 min  
Exp R.T. : 6.095 min  
Response: 0  
Conc: N.D.



#13 Dieldrin

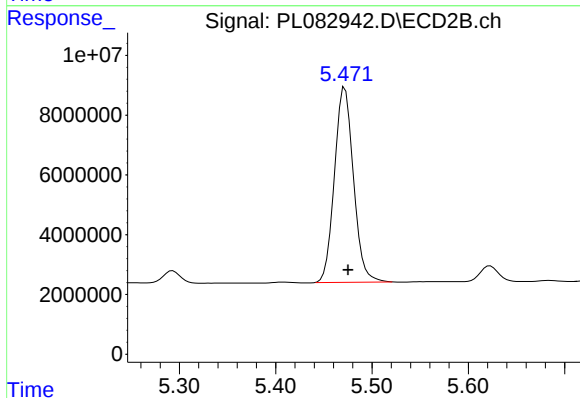
R.T.: 5.198 min  
Delta R.T.: -0.003 min  
Response: 136322  
Conc: 0.05 ng/ml



#14 Endrin

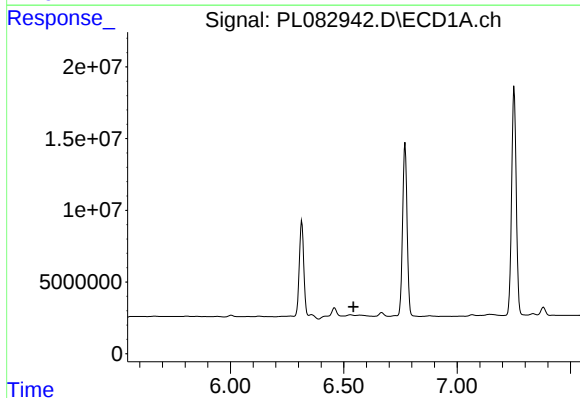
R.T.: 6.315 min  
Delta R.T.: -0.006 min  
Response: 88849902  
Conc: 33.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



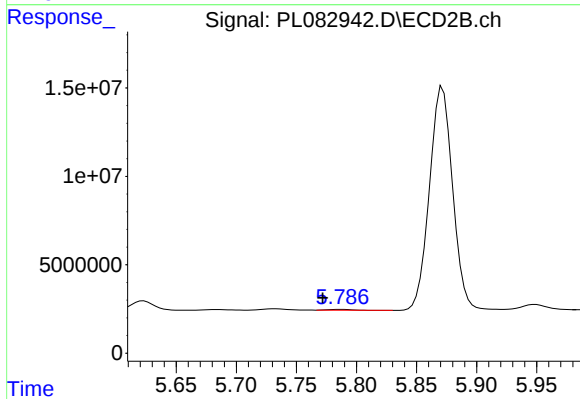
#14 Endrin

R.T.: 5.472 min  
Delta R.T.: -0.003 min  
Response: 89525014  
Conc: 35.29 ng/ml



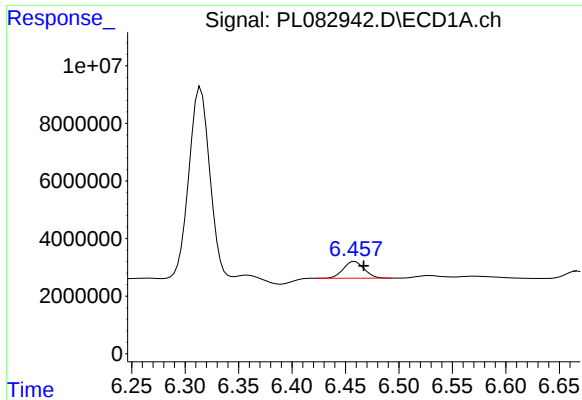
#15 Endosulfan II

R.T.: 6.529 min  
Delta R.T.: -0.014 min  
Response: 876827  
Conc: N.D.



#15 Endosulfan II

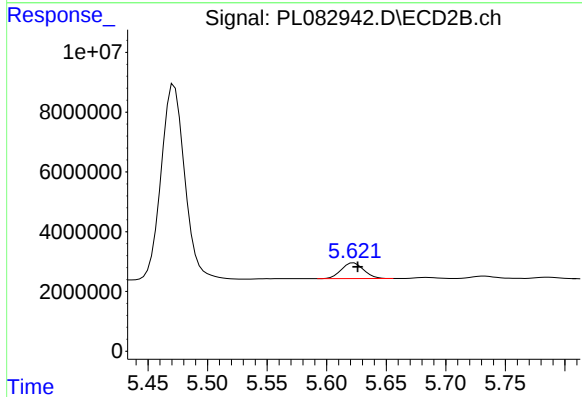
R.T.: 5.787 min  
Delta R.T.: 0.015 min  
Response: 620231  
Conc: 0.25 ng/ml



#16 4,4'-DDD

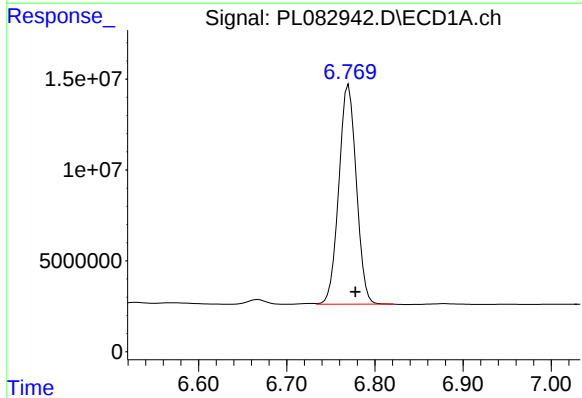
R.T.: 6.459 min  
Delta R.T.: -0.008 min  
Response: 7886437  
Conc: 3.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



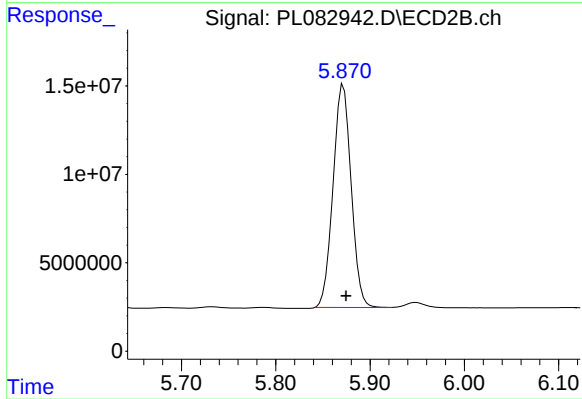
#16 4,4'-DDD

R.T.: 5.623 min  
Delta R.T.: -0.003 min  
Response: 6900450  
Conc: 3.59 ng/ml



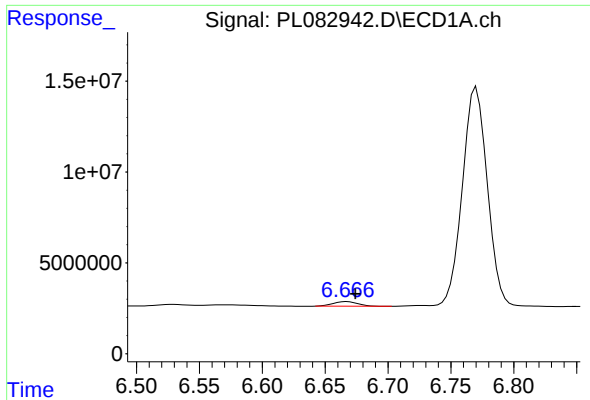
#17 4,4'-DDT

R.T.: 6.770 min  
Delta R.T.: -0.008 min  
Response: 166497642  
Conc: 66.51 ng/ml



#17 4,4'-DDT

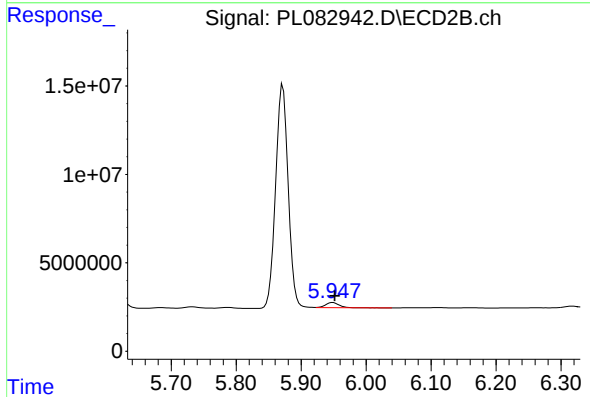
R.T.: 5.872 min  
Delta R.T.: -0.003 min  
Response: 168239015  
Conc: 75.41 ng/ml



#18 Endrin aldehyde

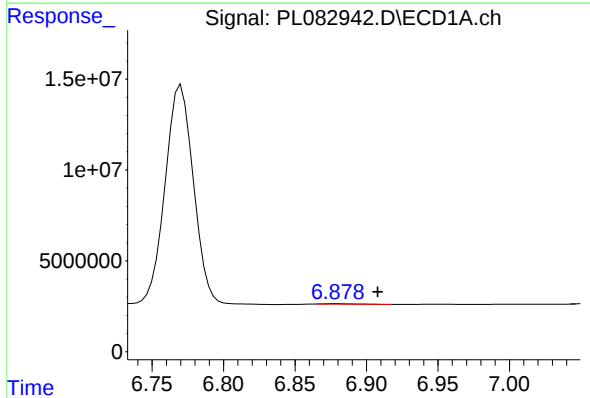
R.T.: 6.667 min  
Delta R.T.: -0.007 min  
Response: 3533115  
Conc: 1.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



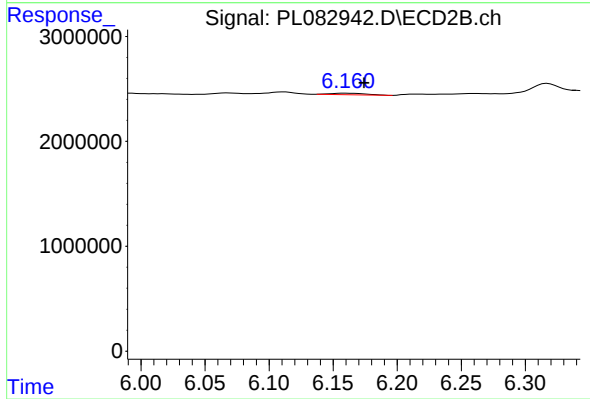
#18 Endrin aldehyde

R.T.: 5.949 min  
Delta R.T.: -0.003 min  
Response: 4280346  
Conc: 2.16 ng/ml



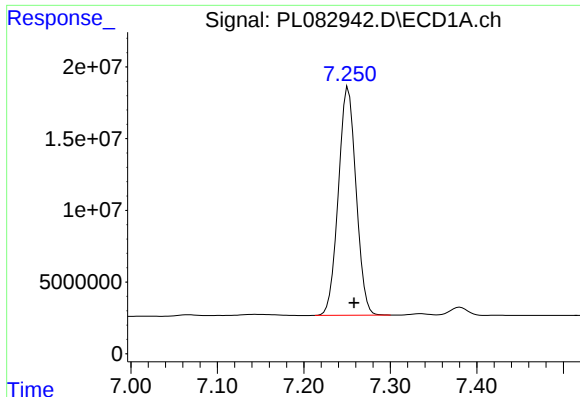
#19 Endosulfan Sulfate

R.T.: 6.879 min  
Delta R.T.: -0.029 min  
Response: 419091  
Conc: 0.16 ng/ml



#19 Endosulfan Sulfate

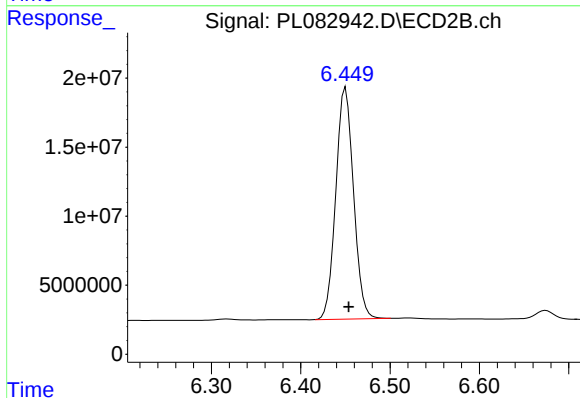
R.T.: 6.161 min  
Delta R.T.: -0.013 min  
Response: 277950  
Conc: 0.11 ng/ml



#20 Methoxychlor

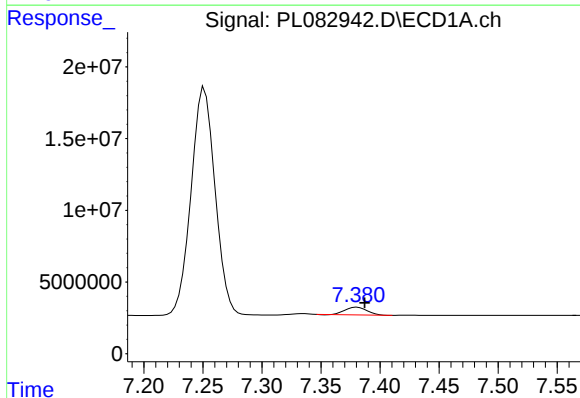
R.T.: 7.251 min  
Delta R.T.: -0.007 min  
Response: 224940299  
Conc: 170.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



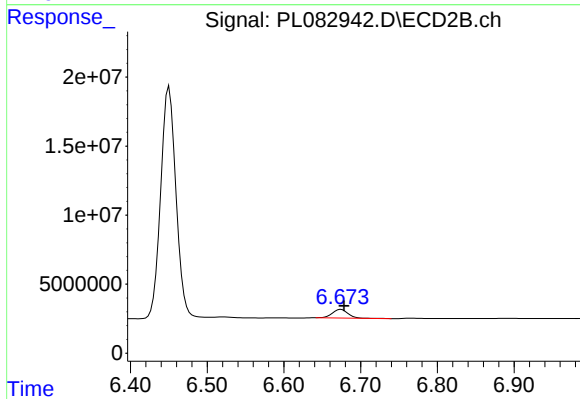
#20 Methoxychlor

R.T.: 6.450 min  
Delta R.T.: -0.003 min  
Response: 231336425  
Conc: 181.90 ng/ml



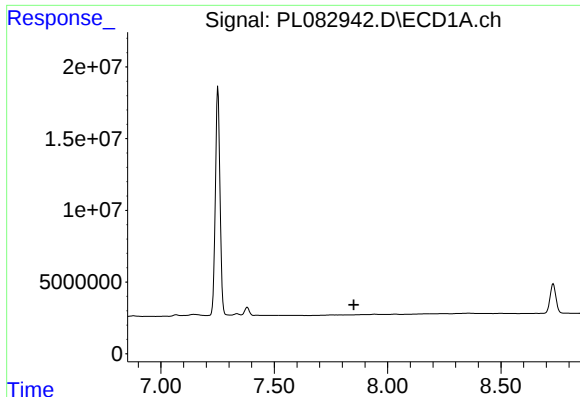
#21 Endrin ketone

R.T.: 7.381 min  
Delta R.T.: -0.006 min  
Response: 6911447  
Conc: 2.71 ng/ml



#21 Endrin ketone

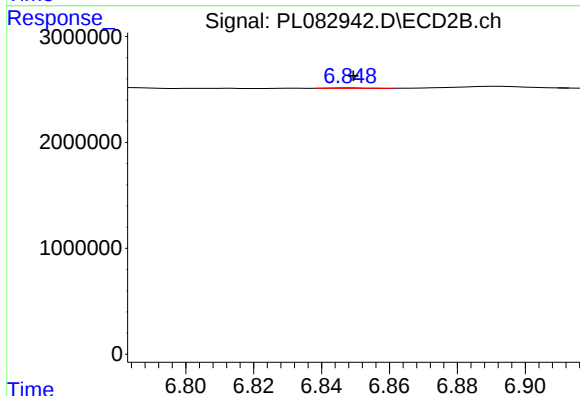
R.T.: 6.674 min  
Delta R.T.: -0.004 min  
Response: 8912178  
Conc: 3.30 ng/ml



#22 Mirex

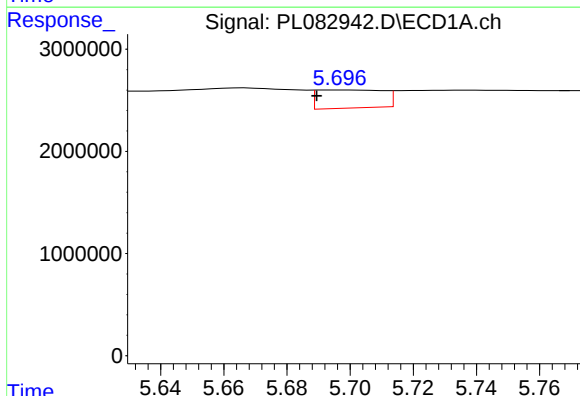
R.T.: 0.000 min  
Exp R.T.: 7.851 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



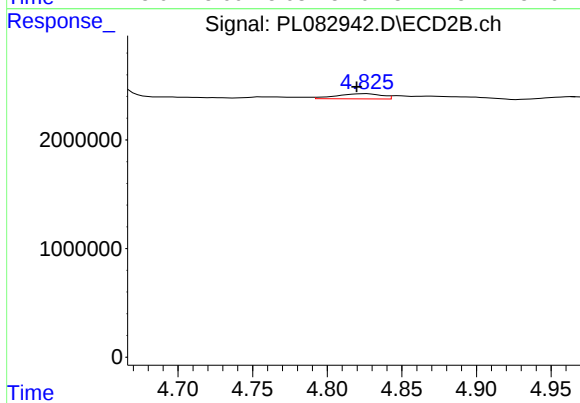
#22 Mirex

R.T.: 6.849 min  
Delta R.T.: 0.000 min  
Response: 23861  
Conc: 0.01 ng/ml



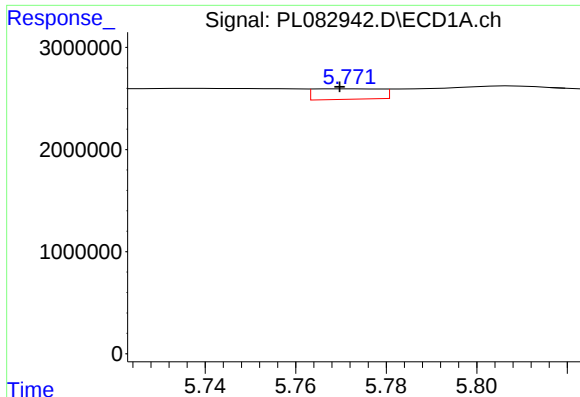
#25 Chlordane-3

R.T.: 5.697 min  
Delta R.T.: 0.008 min  
Response: 2594054  
Conc: 6.25 ng/ml



#25 Chlordane-3

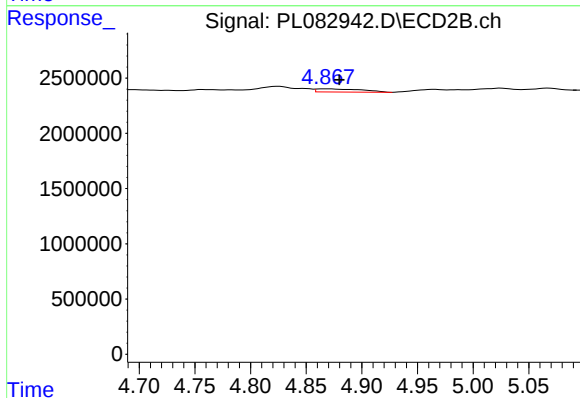
R.T.: 4.826 min  
Delta R.T.: 0.006 min  
Response: 981546  
Conc: 3.68 ng/ml



#26 Chlordane-4

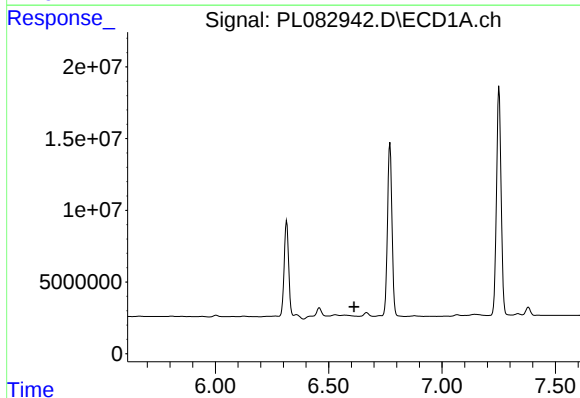
R.T.: 5.769 min  
Delta R.T.: 0.000 min  
Response: 1061500  
Conc: 2.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



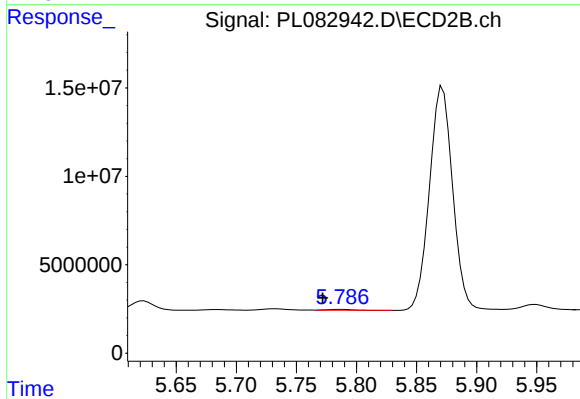
#26 Chlordane-4

R.T.: 4.869 min  
Delta R.T.: -0.011 min  
Response: 785530  
Conc: 2.79 ng/ml



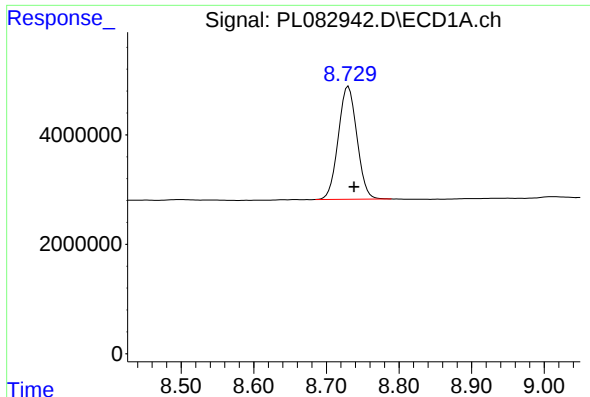
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T. : 6.612 min  
Response: 0  
Conc: N.D.



#27 Chlordane-5

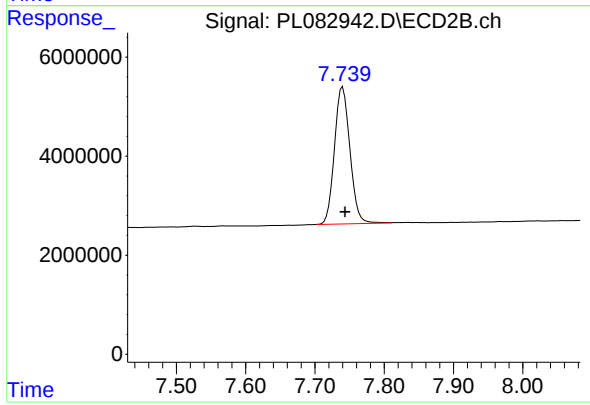
R.T.: 5.787 min  
Delta R.T.: 0.015 min  
Response: 620231  
Conc: 6.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.730 min  
Delta R.T.: -0.008 min  
Response: 36874101  
Conc: 17.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



#28 Decachlorobiphenyl

R.T.: 7.740 min  
Delta R.T.: -0.003 min  
Response: 42984158  
Conc: 17.29 ng/ml