

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050124\  
 Data File : PL089293.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 01 May 2024 09:50  
 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 01 22:31:46 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... | 3.552  | 2.798  | 45491572 | 27476190 | 22.591  | 21.415  |
| 28)                         | SA Decachlor... | 9.066  | 7.949  | 28928365 | 25648502 | 20.678  | 19.067  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.007  | 3.303  | 33074499 | 18384327 | 11.598  | 9.743   |
| 3)                          | MA gamma-BHC... | 4.339  | 3.634  | 31389105 | 17541439 | 11.275  | 9.506   |
| 4)                          | MA Heptachlor   | 4.910f | 3.990f | 334513   | 18446    | 0.135   | 0.011 # |
| 5)                          | MB Aldrin       | 5.260  | 4.268  | 138573   | 170361   | 0.054   | 0.096 # |
| 6)                          | B beta-BHC      | 4.534  | 3.931  | 14426844 | 9229372  | 11.436  | 11.304  |
| 7)                          | B delta-BHC     | 4.766  | 4.156  | 592567   | 65521    | 0.223   | 0.036 # |
| 8)                          | B Heptachlo...  | 5.685  | 4.765  | 1179811  | 3411     | 0.503   | 0.002 # |
| 9)                          | A Endosulfan I  | 6.082  | 5.128  | 421118   | 42182    | 0.196   | 0.028 # |
| 10)                         | B gamma-Chl...  | 5.963  | 5.017  | 638886   | 605161   | 0.279   | 0.369 # |
| 11)                         | B alpha-Chl...  | 6.009f | 5.072  | 442450   | 39014    | 0.195   | 0.024 # |
| 12)                         | B 4,4'-DDE      | 6.204  | 5.265  | 917364   | 350658   | 0.453   | 0.241 # |
| 13)                         | MA Dieldrin     | 6.329f | 5.422f | 18683    | 4961     | 0.008   | 0.003 # |
| 14)                         | MA Endrin       | 6.587  | 5.672  | 82697742 | 68581304 | 43.655  | 47.703  |
| 15)                         | B Endosulfa...  | 6.782f | 5.980f | 79934    | 1132847  | 0.040   | 0.788 # |
| 16)                         | A 4,4'-DDD      | 6.720  | 5.818  | 6615718  | 4012923  | 3.922   | 3.254   |
| 17)                         | MA 4,4'-DDT     | 7.034  | 6.070  | 153.2E6  | 138.8E6  | 83.325  | 102.598 |
| 18)                         | B Endrin al...  | 6.934  | 6.144  | 4577715  | 2842087  | 3.027   | 2.555   |
| 19)                         | B Endosulfa...  | 7.165  | 6.357  | 112123   | 114125   | 0.062   | 0.082 # |
| 20)                         | A Methoxychlor  | 7.509  | 6.645  | 194.1E6  | 175.4E6  | 197.342 | 219.426 |
| 21)                         | B Endrin ke...  | 7.653  | 6.873  | 7983131  | 5485946  | 3.988   | 3.431   |
| 23)                         | Chlordane-1     | 0.000  | 3.813  | 0        | 6248     | N.D.    | 0.127 # |
| 24)                         | Chlordane-2     | 5.247  | 4.393  | 131237   | 138944   | 1.249   | 2.184 # |
| 25)                         | Chlordane-3     | 5.963  | 5.017  | 638886   | 605161   | 1.935   | 3.534 # |
| 26)                         | Chlordane-4     | 6.052f | 5.072  | 713418   | 39014    | 1.750   | 0.243 # |
| 27)                         | Chlordane-5     | 0.000  | 5.766f | 0        | 313592   | N.D.    | 6.127 # |
| -----                       |                 |        |        |          |          |         |         |

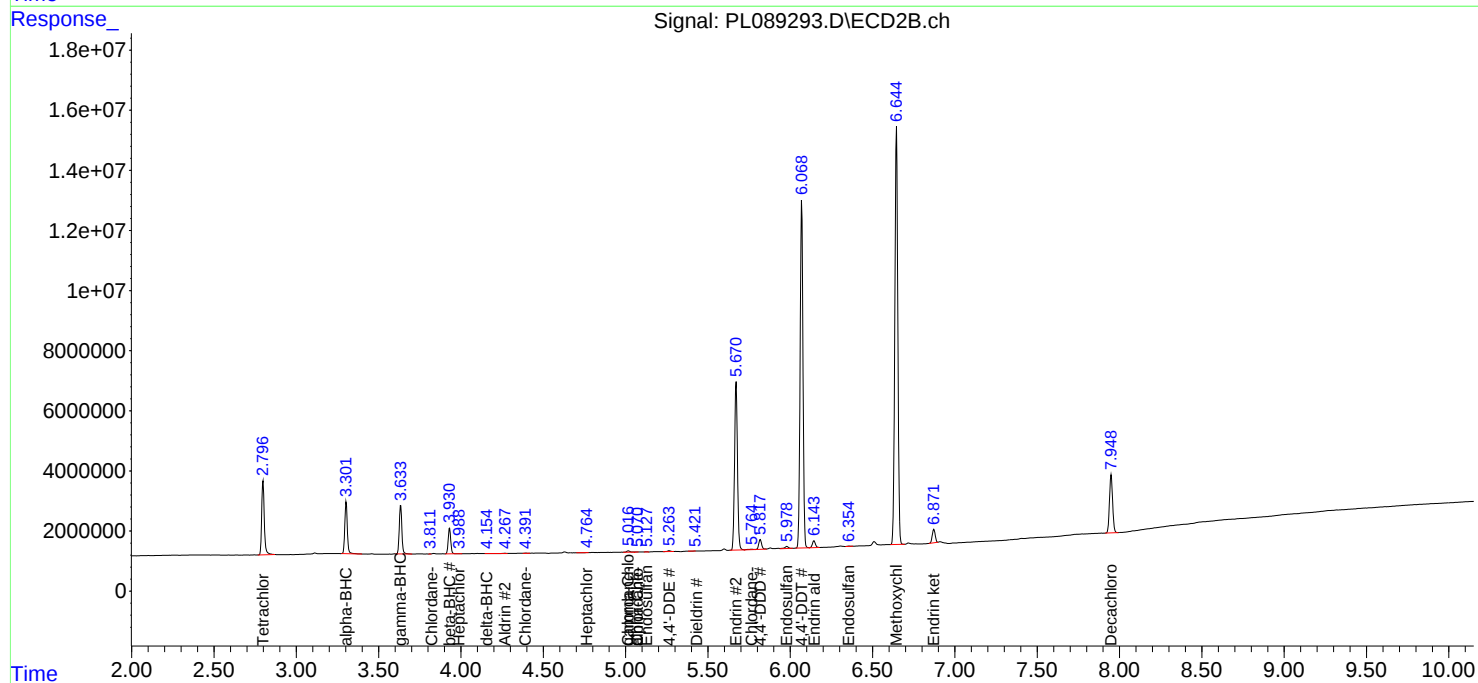
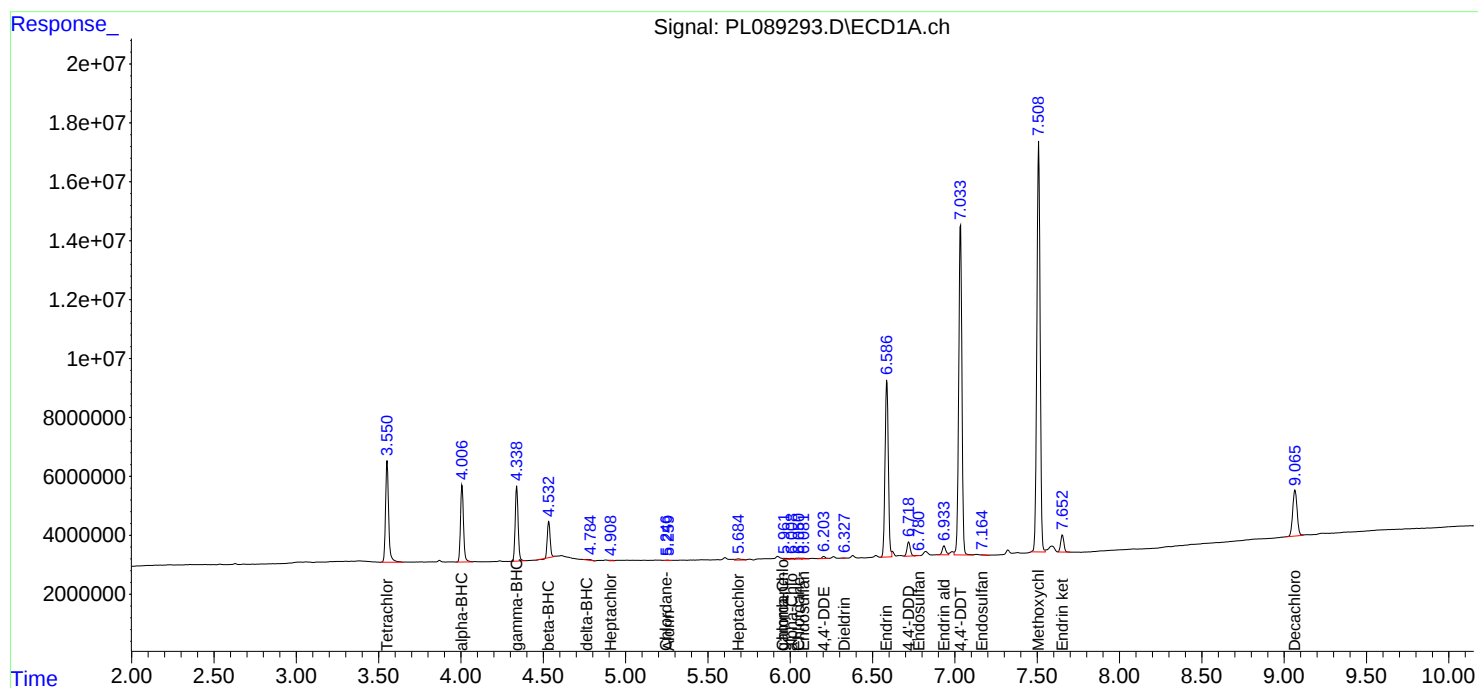
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

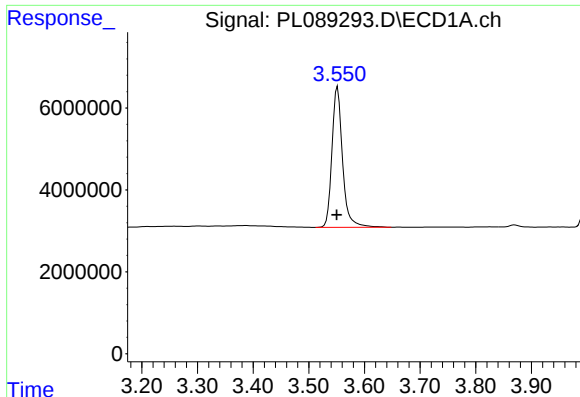
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050124\  
Data File : PL089293.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 01 May 2024 09:50  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 01 22:31:46 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042624.M  
Quant Title : GC Extractables  
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Response via : Initial Calibration  
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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

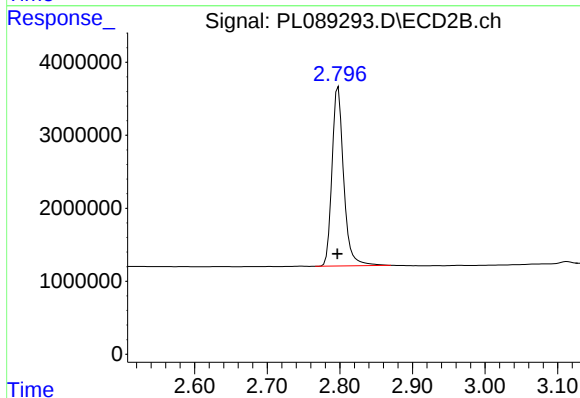




#1 Tetrachloro-m-xylene

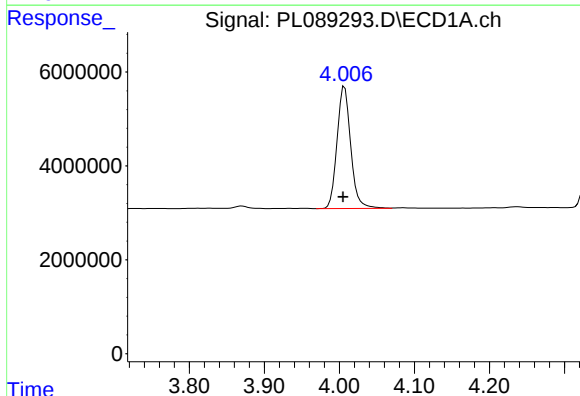
R.T.: 3.552 min  
Delta R.T.: 0.002 min  
Response: 45491572  
Conc: 22.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



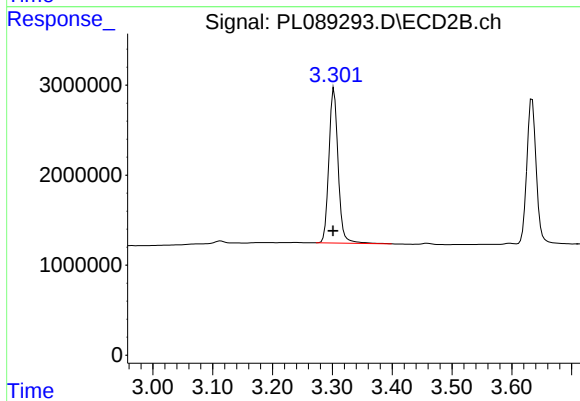
#1 Tetrachloro-m-xylene

R.T.: 2.798 min  
Delta R.T.: 0.002 min  
Response: 27476190  
Conc: 21.41 ng/ml



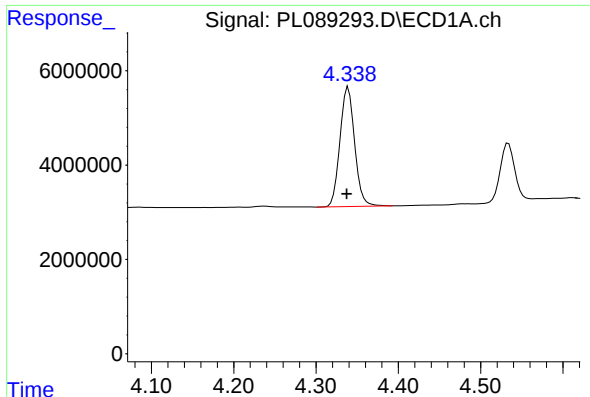
#2 alpha-BHC

R.T.: 4.007 min  
Delta R.T.: 0.002 min  
Response: 33074499  
Conc: 11.60 ng/ml



#2 alpha-BHC

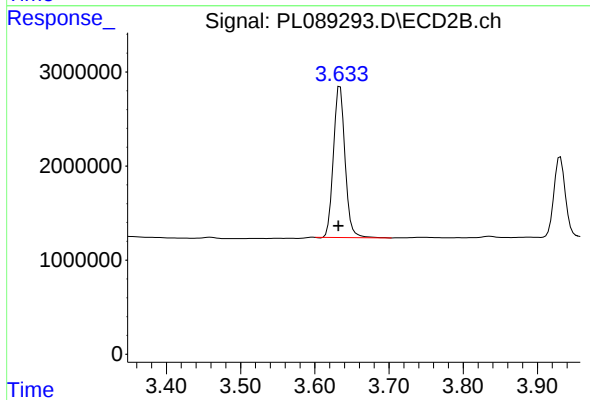
R.T.: 3.303 min  
Delta R.T.: 0.002 min  
Response: 18384327  
Conc: 9.74 ng/ml



#3 gamma-BHC (Lindane)

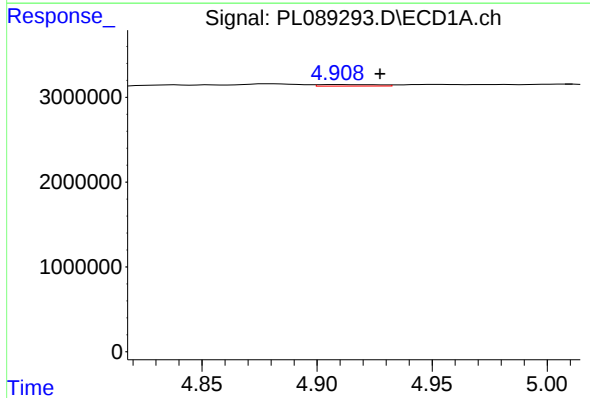
R.T.: 4.339 min  
Delta R.T.: 0.002 min  
Response: 31389105  
Conc: 11.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



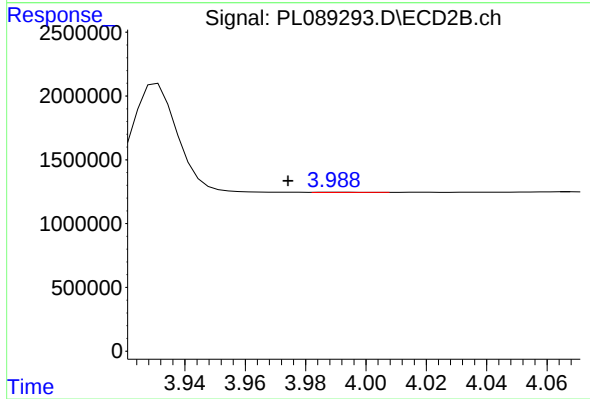
#3 gamma-BHC (Lindane)

R.T.: 3.634 min  
Delta R.T.: 0.002 min  
Response: 17541439  
Conc: 9.51 ng/ml



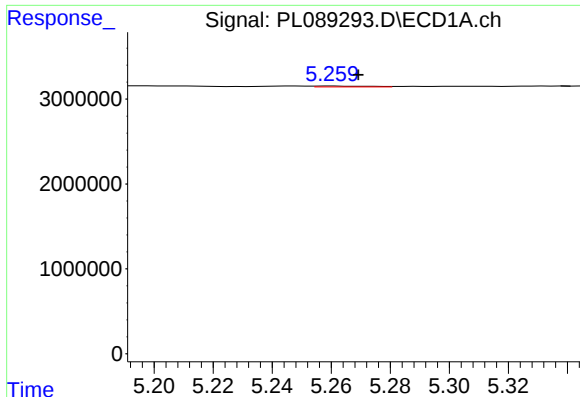
#4 Heptachlor

R.T.: 4.910 min  
Delta R.T.: -0.017 min  
Response: 334513  
Conc: 0.13 ng/ml



#4 Heptachlor

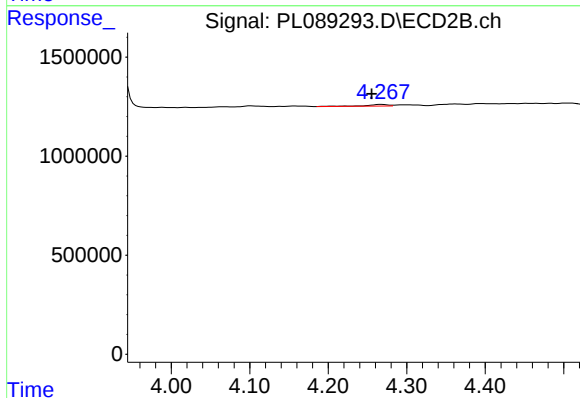
R.T.: 3.990 min  
Delta R.T.: 0.016 min  
Response: 18446  
Conc: 0.01 ng/ml



#5 Aldrin

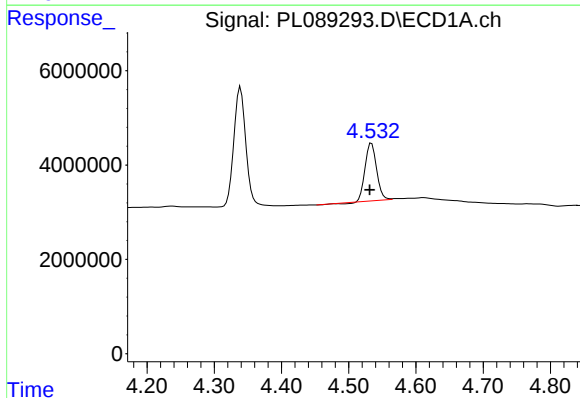
R.T.: 5.260 min  
Delta R.T.: -0.009 min  
Response: 138573  
Conc: 0.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



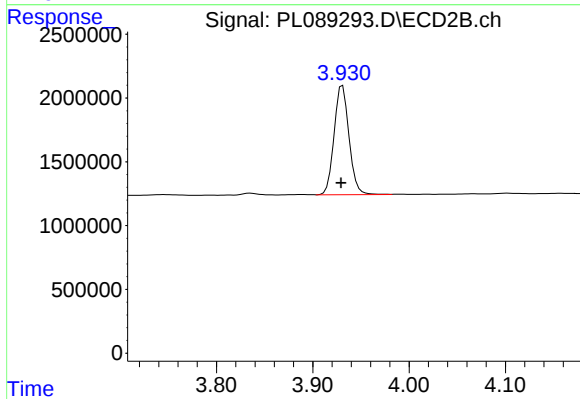
#5 Aldrin

R.T.: 4.268 min  
Delta R.T.: 0.012 min  
Response: 170361  
Conc: 0.10 ng/ml



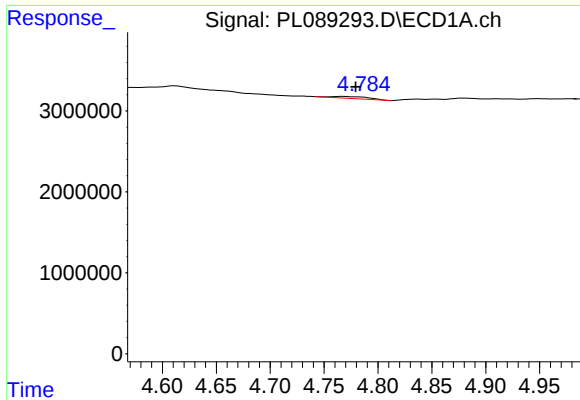
#6 beta-BHC

R.T.: 4.534 min  
Delta R.T.: 0.002 min  
Response: 14426844  
Conc: 11.44 ng/ml



#6 beta-BHC

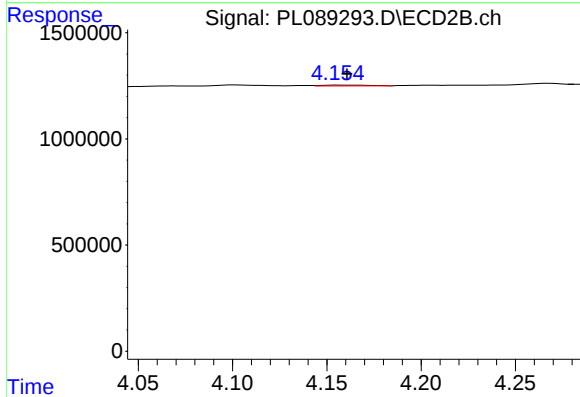
R.T.: 3.931 min  
Delta R.T.: 0.002 min  
Response: 9229372  
Conc: 11.30 ng/ml



#7 delta-BHC

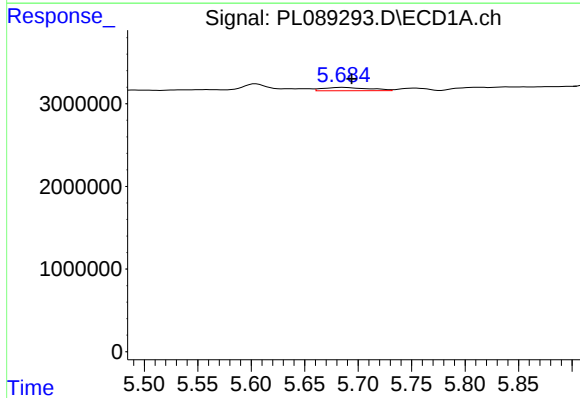
R.T.: 4.766 min  
Delta R.T.: -0.013 min  
Response: 592567  
Conc: 0.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



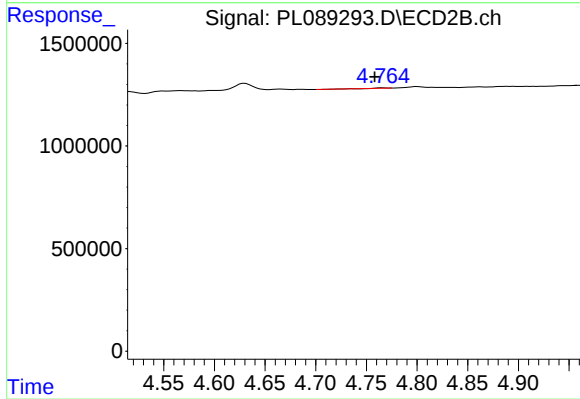
#7 delta-BHC

R.T.: 4.156 min  
Delta R.T.: -0.005 min  
Response: 65521  
Conc: 0.04 ng/ml



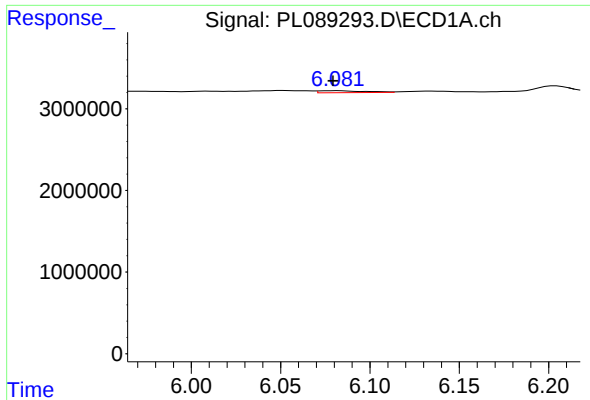
#8 Heptachlor epoxide

R.T.: 5.685 min  
Delta R.T.: -0.009 min  
Response: 1179811  
Conc: 0.50 ng/ml



#8 Heptachlor epoxide

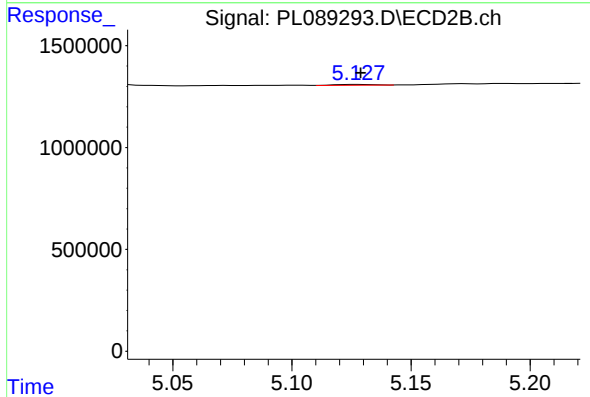
R.T.: 4.765 min  
Delta R.T.: 0.007 min  
Response: 3411  
Conc: 0.00 ng/ml



#9 Endosulfan I

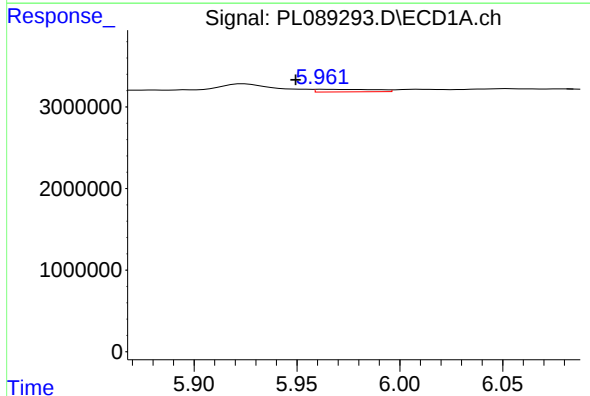
R.T.: 6.082 min  
Delta R.T.: 0.002 min  
Response: 421118  
Conc: 0.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



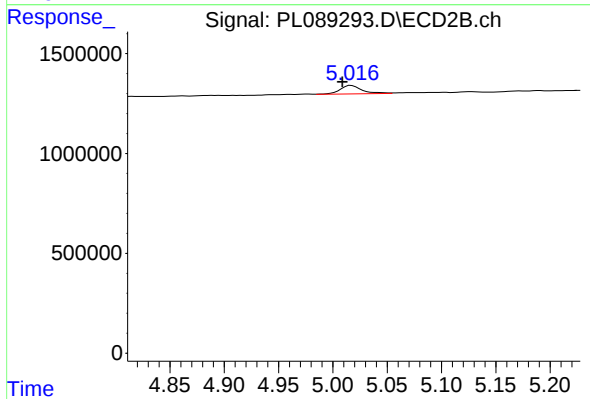
#9 Endosulfan I

R.T.: 5.128 min  
Delta R.T.: 0.000 min  
Response: 42182  
Conc: 0.03 ng/ml



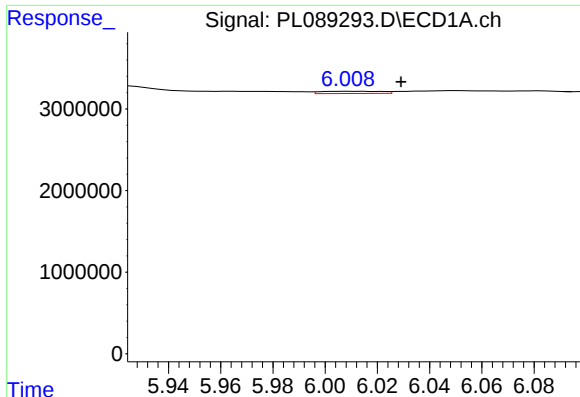
#10 gamma-Chlordane

R.T.: 5.963 min  
Delta R.T.: 0.013 min  
Response: 638886  
Conc: 0.28 ng/ml



#10 gamma-Chlordane

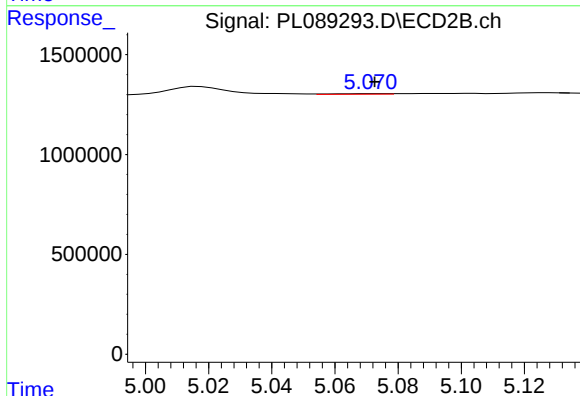
R.T.: 5.017 min  
Delta R.T.: 0.008 min  
Response: 605161  
Conc: 0.37 ng/ml



#11 alpha-Chlordane

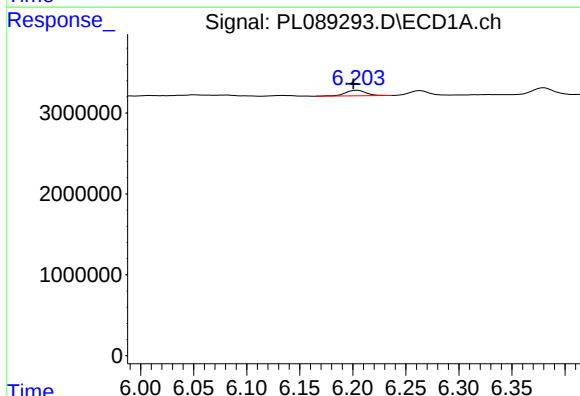
R.T.: 6.009 min  
Delta R.T.: -0.020 min  
Response: 442450  
Conc: 0.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



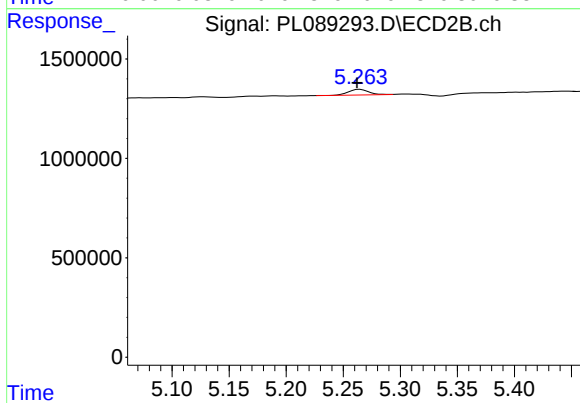
#11 alpha-Chlordane

R.T.: 5.072 min  
Delta R.T.: 0.000 min  
Response: 39014  
Conc: 0.02 ng/ml



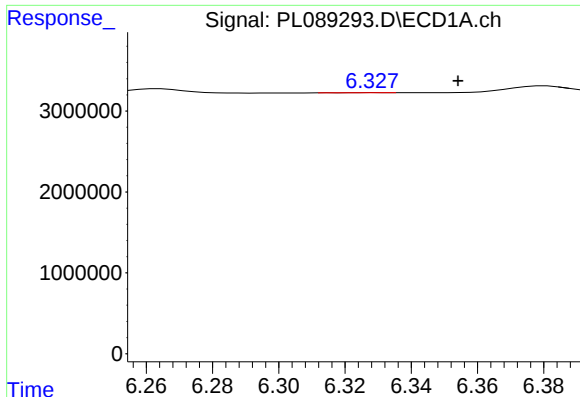
#12 4,4'-DDE

R.T.: 6.204 min  
Delta R.T.: 0.003 min  
Response: 917364  
Conc: 0.45 ng/ml



#12 4,4'-DDE

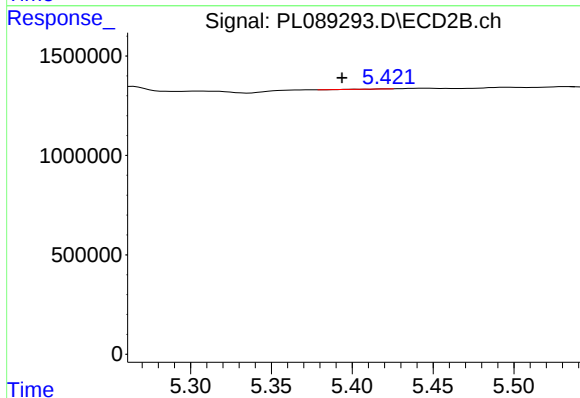
R.T.: 5.265 min  
Delta R.T.: 0.002 min  
Response: 350658  
Conc: 0.24 ng/ml



#13 Dieldrin

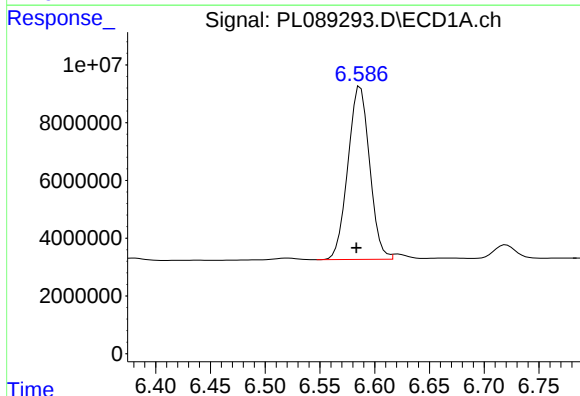
R.T.: 6.329 min  
Delta R.T.: -0.026 min  
Response: 18683  
Conc: 0.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



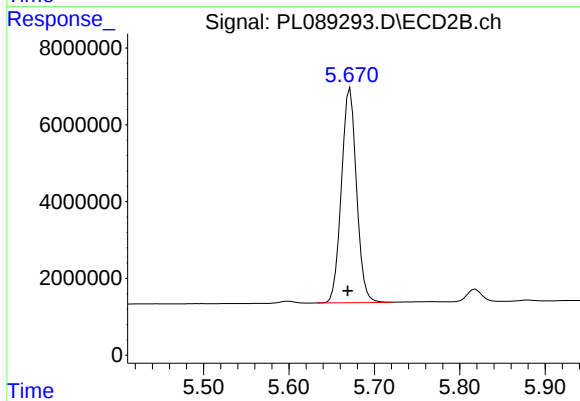
#13 Dieldrin

R.T.: 5.422 min  
Delta R.T.: 0.028 min  
Response: 4961  
Conc: 0.00 ng/ml



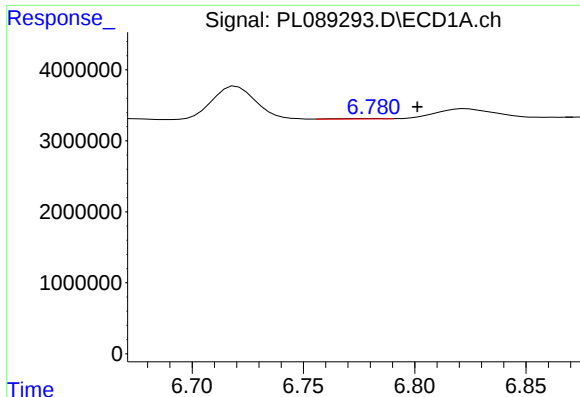
#14 Endrin

R.T.: 6.587 min  
Delta R.T.: 0.004 min  
Response: 82697742  
Conc: 43.66 ng/ml



#14 Endrin

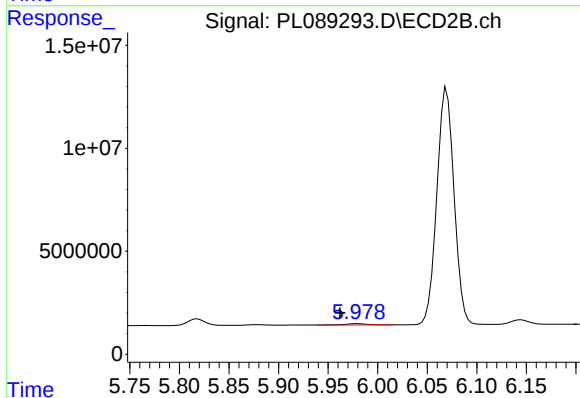
R.T.: 5.672 min  
Delta R.T.: 0.003 min  
Response: 68581304  
Conc: 47.70 ng/ml



#15 Endosulfan II

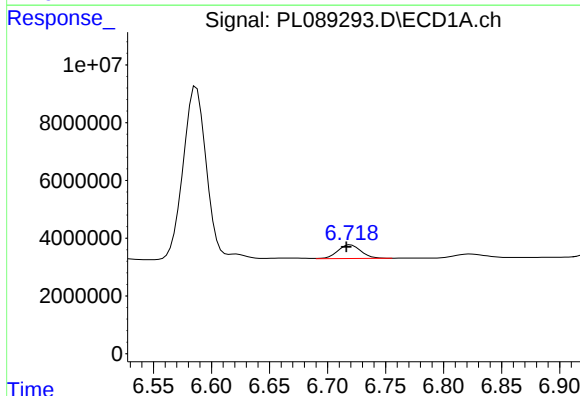
R.T.: 6.782 min  
Delta R.T.: -0.019 min  
Response: 79934  
Conc: 0.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



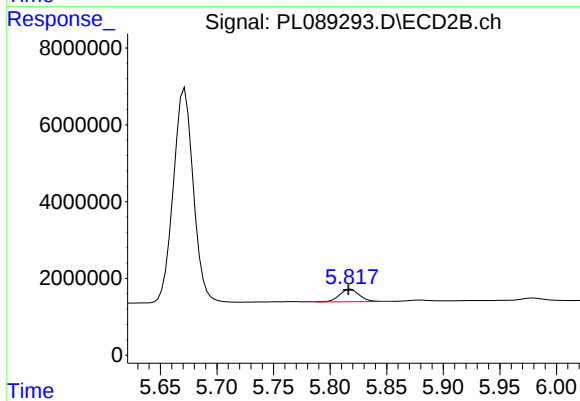
#15 Endosulfan II

R.T.: 5.980 min  
Delta R.T.: 0.017 min  
Response: 1132847  
Conc: 0.79 ng/ml



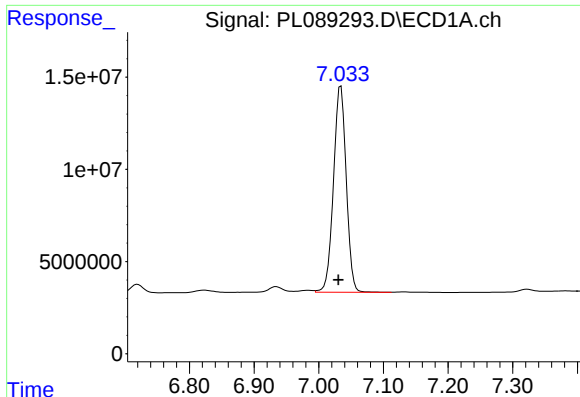
#16 4,4'-DDD

R.T.: 6.720 min  
Delta R.T.: 0.004 min  
Response: 6615718  
Conc: 3.92 ng/ml



#16 4,4'-DDD

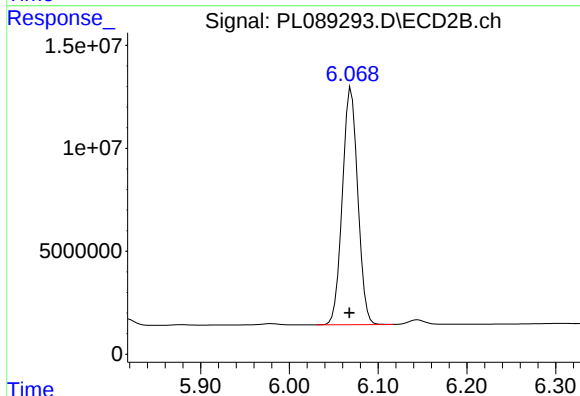
R.T.: 5.818 min  
Delta R.T.: 0.002 min  
Response: 4012923  
Conc: 3.25 ng/ml



#17 4,4'-DDT

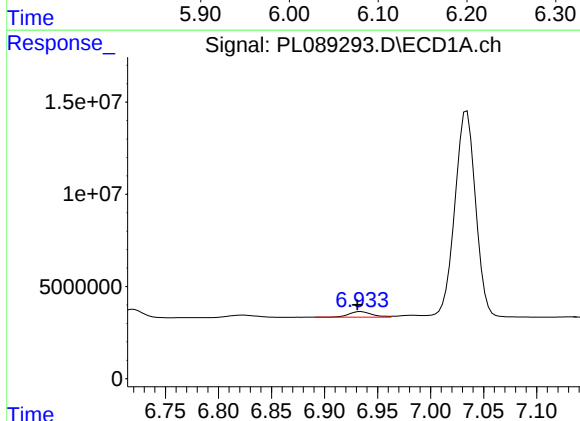
R.T.: 7.034 min  
Delta R.T.: 0.004 min  
Response: 153232834  
Conc: 83.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



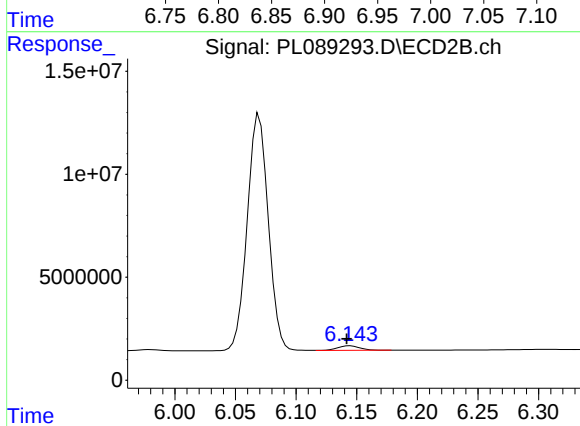
#17 4,4'-DDT

R.T.: 6.070 min  
Delta R.T.: 0.002 min  
Response: 138813704  
Conc: 102.60 ng/ml



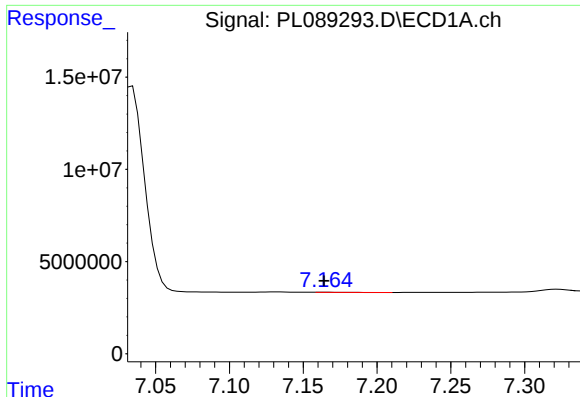
#18 Endrin aldehyde

R.T.: 6.934 min  
Delta R.T.: 0.003 min  
Response: 4577715  
Conc: 3.03 ng/ml



#18 Endrin aldehyde

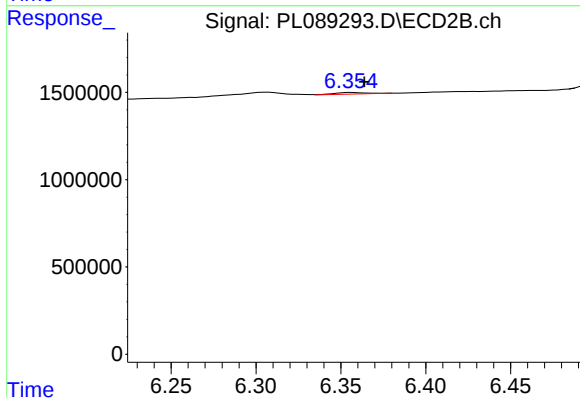
R.T.: 6.144 min  
Delta R.T.: 0.003 min  
Response: 2842087  
Conc: 2.56 ng/ml



#19 Endosulfan Sulfate

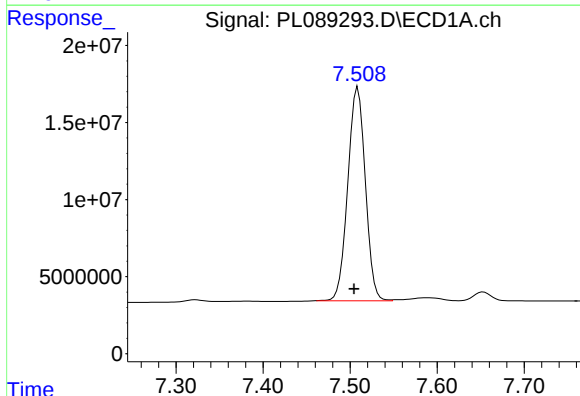
R.T.: 7.165 min  
Delta R.T.: 0.001 min  
Response: 112123  
Conc: 0.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



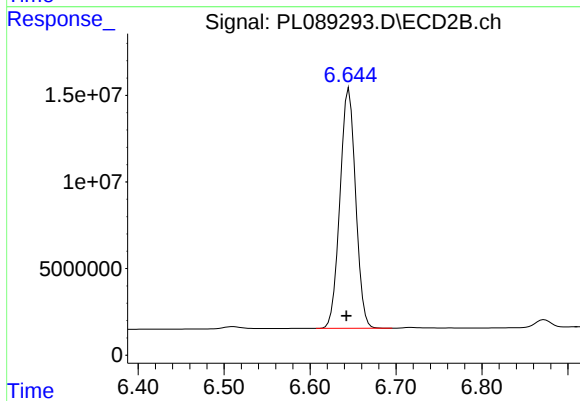
#19 Endosulfan Sulfate

R.T.: 6.357 min  
Delta R.T.: -0.007 min  
Response: 114125  
Conc: 0.08 ng/ml



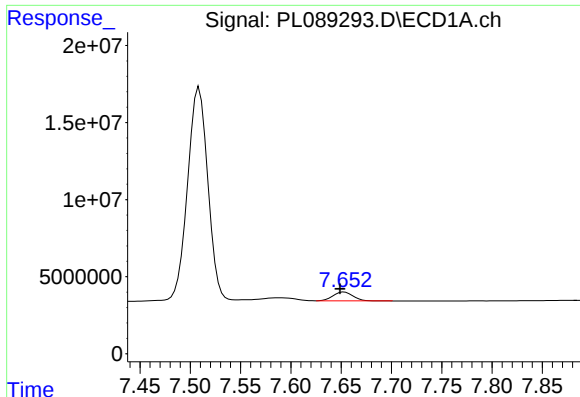
#20 Methoxychlor

R.T.: 7.509 min  
Delta R.T.: 0.004 min  
Response: 194066297  
Conc: 197.34 ng/ml



#20 Methoxychlor

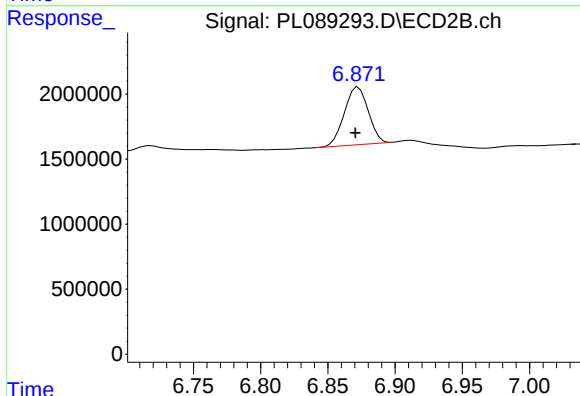
R.T.: 6.645 min  
Delta R.T.: 0.003 min  
Response: 175449875  
Conc: 219.43 ng/ml



#21 Endrin ketone

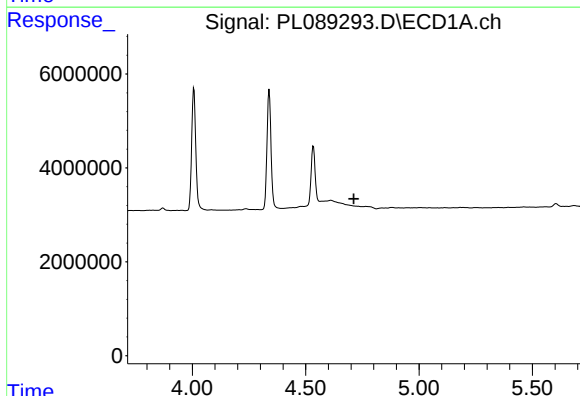
R.T.: 7.653 min  
Delta R.T.: 0.004 min  
Response: 7983131  
Conc: 3.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



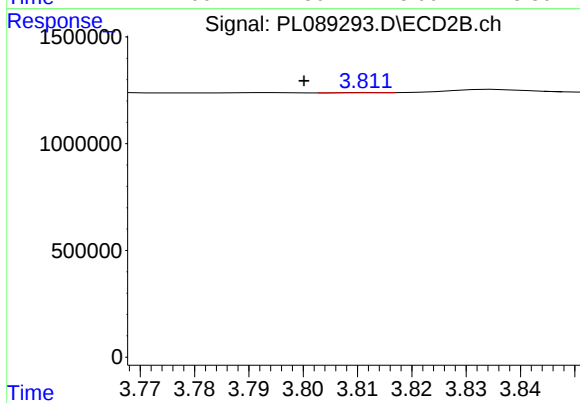
#21 Endrin ketone

R.T.: 6.873 min  
Delta R.T.: 0.002 min  
Response: 5485946  
Conc: 3.43 ng/ml



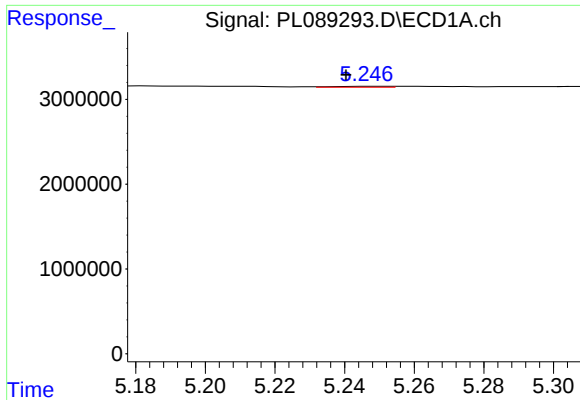
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T. : 4.713 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

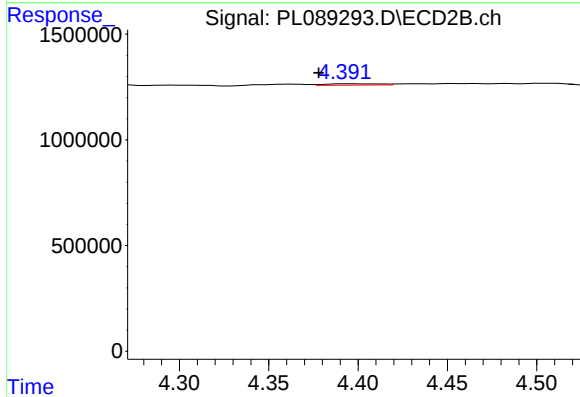
R.T.: 3.813 min  
Delta R.T.: 0.013 min  
Response: 6248  
Conc: 0.13 ng/ml



#24 Chlordane-2

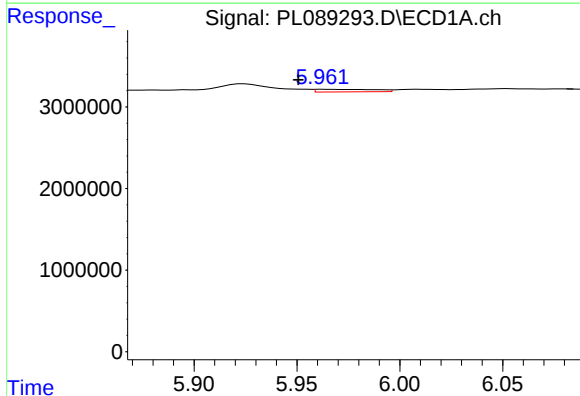
R.T.: 5.247 min  
Delta R.T.: 0.007 min  
Response: 131237  
Conc: 1.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



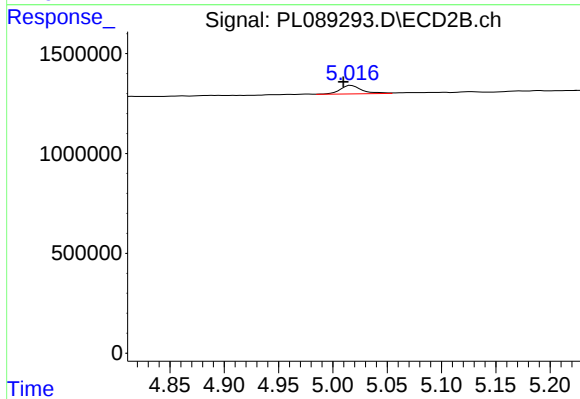
#24 Chlordane-2

R.T.: 4.393 min  
Delta R.T.: 0.015 min  
Response: 138944  
Conc: 2.18 ng/ml



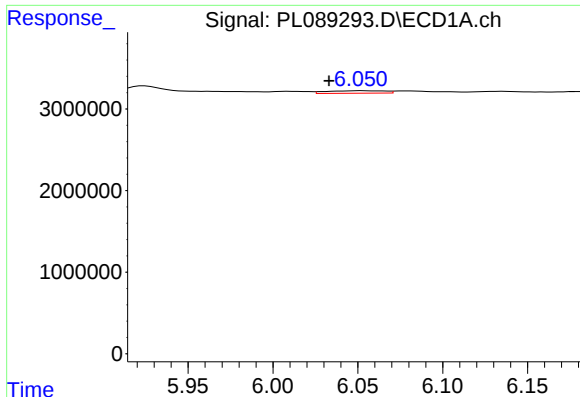
#25 Chlordane-3

R.T.: 5.963 min  
Delta R.T.: 0.012 min  
Response: 638886  
Conc: 1.93 ng/ml



#25 Chlordane-3

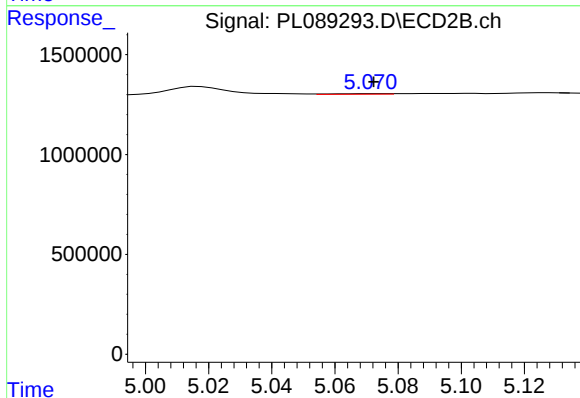
R.T.: 5.017 min  
Delta R.T.: 0.007 min  
Response: 605161  
Conc: 3.53 ng/ml



#26 Chlordane-4

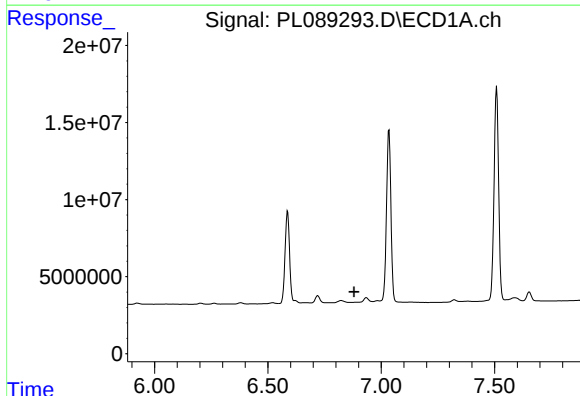
R.T.: 6.052 min  
Delta R.T.: 0.019 min  
Response: 713418  
Conc: 1.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



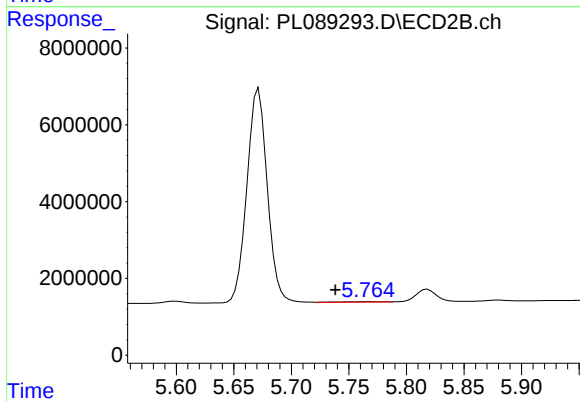
#26 Chlordane-4

R.T.: 5.072 min  
Delta R.T.: 0.000 min  
Response: 39014  
Conc: 0.24 ng/ml



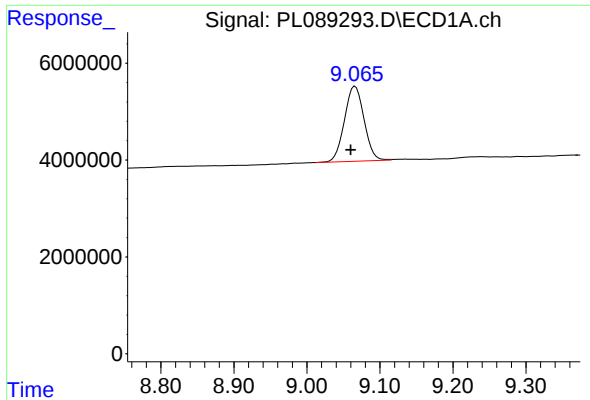
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T. : 6.880 min  
Response: 0  
Conc: N.D.



#27 Chlordane-5

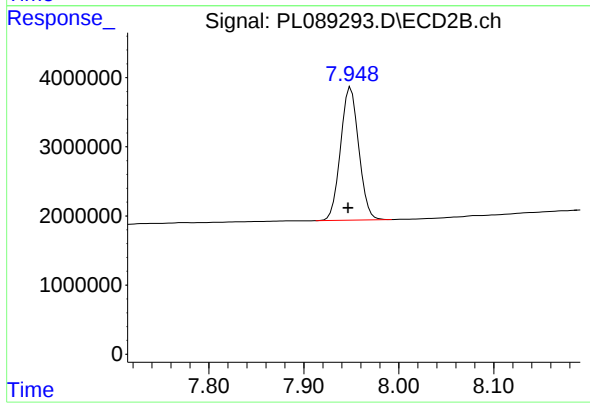
R.T.: 5.766 min  
Delta R.T.: 0.028 min  
Response: 313592  
Conc: 6.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.006 min  
Response: 28928365  
Conc: 20.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM



#28 Decachlorobiphenyl

R.T.: 7.949 min  
Delta R.T.: 0.003 min  
Response: 25648502  
Conc: 19.07 ng/ml