

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL080224\  
 Data File : PL090746.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 Aug 2024 10:40  
 Operator : AR\AJ  
 Sample : P3390-07  
 Misc : PEST LOD 1PPB/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 03 00:31:20 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... | 3.545  | 2.787  | 42728663 | 35191347 | 20.521 | 20.910   |
| 28)                         | SA Decachlor... | 9.057  | 7.929  | 31093302 | 33677591 | 23.399 | 23.097   |
| Target Compounds            |                 |        |        |          |          |        |          |
| 2)                          | A alpha-BHC     | 4.000  | 3.289  | 3673746  | 2832345  | 1.238  | 1.172    |
| 3)                          | MA gamma-BHC... | 4.332  | 3.620  | 3379961  | 2721952  | 1.207  | 1.180    |
| 4)                          | MA Heptachlor   | 4.921  | 3.960  | 4034525  | 2338237  | 1.585  | 1.060 #  |
| 5)                          | MB Aldrin       | 5.263  | 4.240  | 3558856  | 2636873  | 1.424  | 1.239    |
| 6)                          | B beta-BHC      | 4.530  | 3.918  | 3553326  | 1260136  | 2.801  | 1.221 #  |
| 7)                          | B delta-BHC     | 4.775  | 4.148  | 4345335  | 2278399  | 1.621  | 1.036 #  |
| 8)                          | B Heptachlo...  | 5.688  | 4.743  | 5403907  | 2413135  | 2.299  | 1.237 #  |
| 9)                          | A Endosulfan I  | 6.074  | 5.113  | 3713729  | 2098850  | 1.736  | 1.148 #  |
| 10)                         | B gamma-Chl...  | 5.944  | 4.993  | 11401247 | 2478142  | 4.904  | 1.222 #  |
| 11)                         | B alpha-Chl...  | 6.023  | 5.057  | 4272505  | 2533847  | 1.861  | 1.254 #  |
| 12)                         | B 4,4'-DDE      | 6.196  | 5.246  | 2827642  | 1942327  | 1.398  | 1.087    |
| 13)                         | MA Dieldrin     | 6.348  | 5.377  | 3241007  | 2372642  | 1.459  | 1.210    |
| 14)                         | MA Endrin       | 6.578  | 5.652  | 4996678  | 1990339  | 2.718  | 1.156 #  |
| 15)                         | B Endosulfa...  | 6.797  | 5.946  | 3107326  | 2259439  | 1.580  | 1.323    |
| 16)                         | A 4,4'-DDD      | 6.712  | 5.800  | 2448617  | 1968630  | 1.450  | 1.314    |
| 17)                         | MA 4,4'-DDT     | 7.025  | 6.050  | 2047106  | 1274524  | 1.216  | 0.870 #  |
| 18)                         | B Endrin al...  | 6.927  | 6.126  | 2280666  | 1742210  | 1.537  | 1.333    |
| 19)                         | B Endosulfa...  | 7.160  | 6.348  | 2678141  | 2156773  | 1.525  | 1.338    |
| 20)                         | A Methoxychlor  | 0.000  | 6.625  | 0        | 806312   | N.D.   | 0.997 #  |
| 21)                         | B Endrin ke...  | 7.646  | 6.853  | 2800808  | 2113265  | 1.467  | 1.156    |
| 22)                         | Mirex           | 8.119  | 7.036  | 2386984  | 2274700  | 1.685  | 1.530    |
| 24)                         | Chlordane-2     | 5.263f | 4.354  | 3558856  | 130469   | 34.770 | 1.720 #  |
| 25)                         | Chlordane-3     | 5.944  | 4.993  | 11401247 | 2478142  | 34.439 | 11.990 # |
| 26)                         | Chlordane-4     | 6.023  | 5.057  | 4272505  | 2533847  | 10.727 | 12.948   |
| 27)                         | Chlordane-5     | 0.000  | 5.751f | 0        | 533016   | N.D.   | 8.843 #  |
| -----                       |                 |        |        |          |          |        |          |

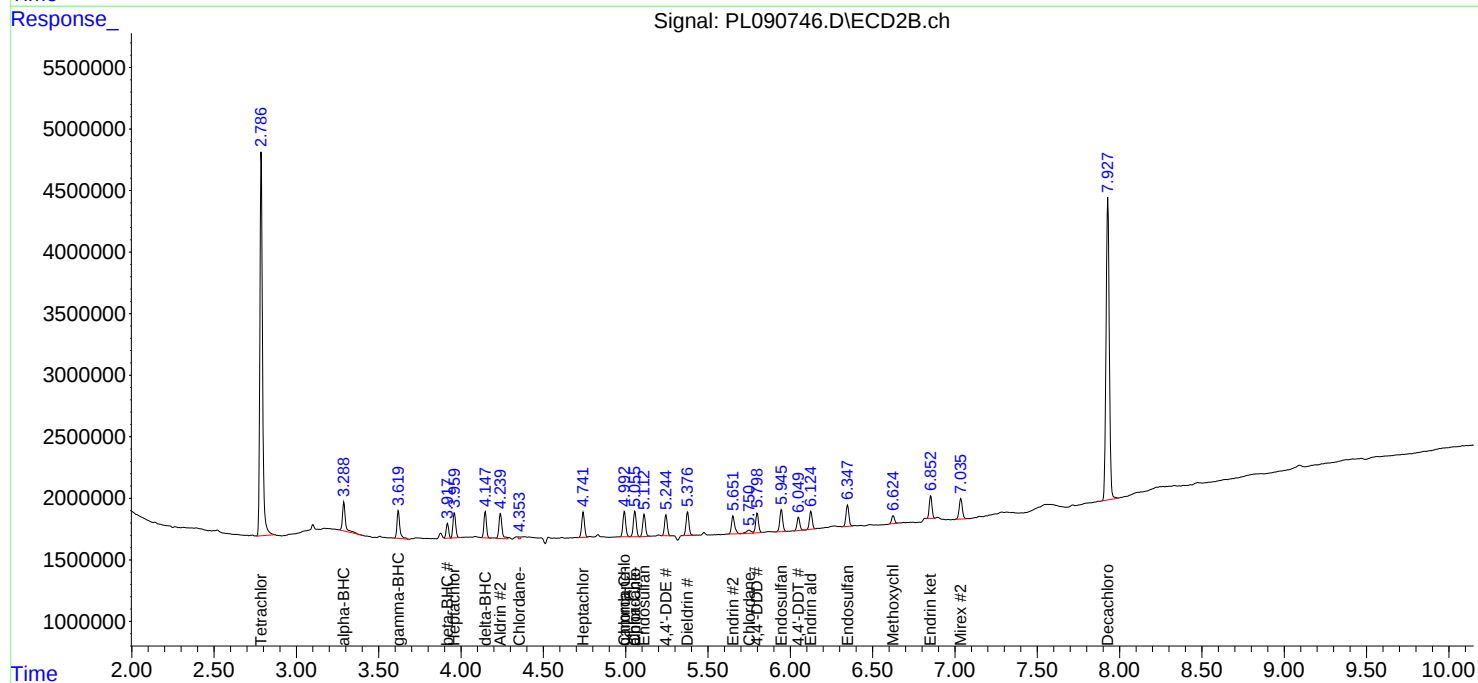
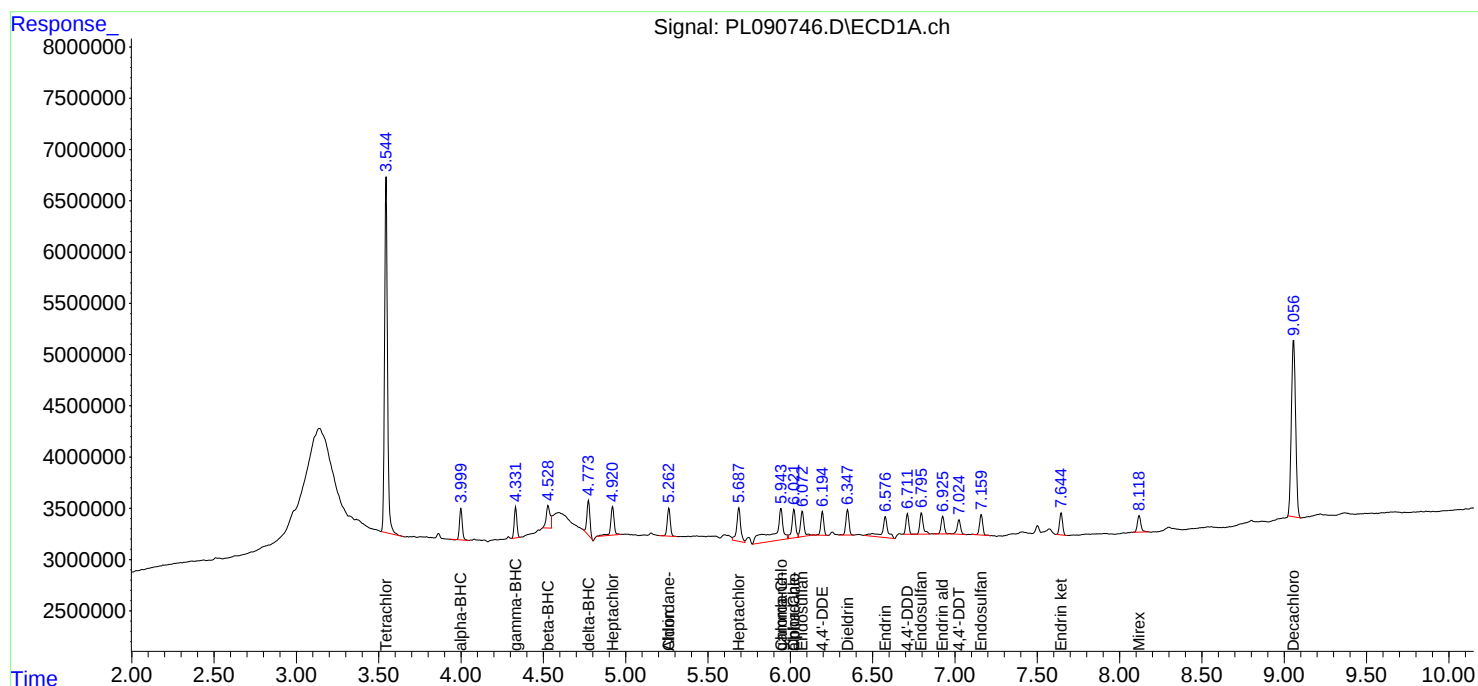
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

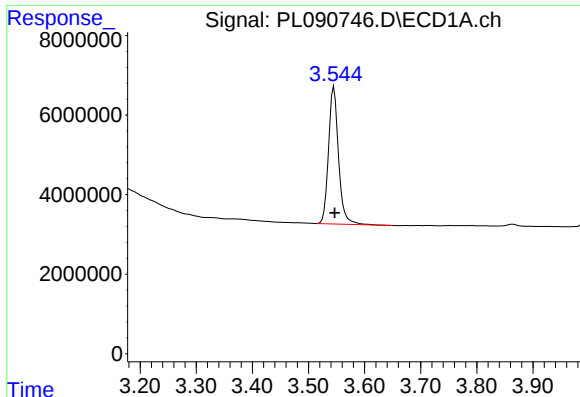
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL080224\  
Data File : PL090746.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 02 Aug 2024 10:40  
Operator : AR\AJ  
Sample : P3390-07  
Misc : PEST LOD 1PPB/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 03 00:31:20 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

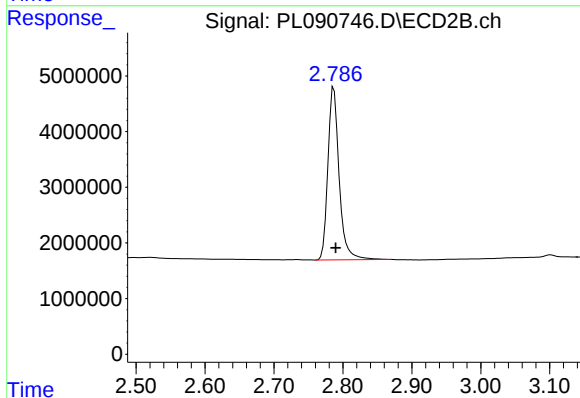




#1 Tetrachloro-m-xylene

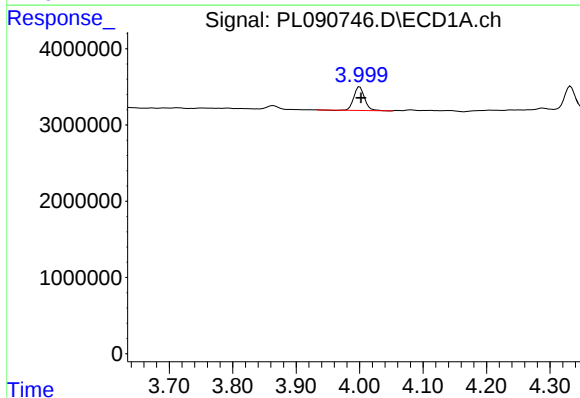
R.T.: 3.545 min  
Delta R.T.: -0.002 min  
Response: 42728663  
Conc: 20.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



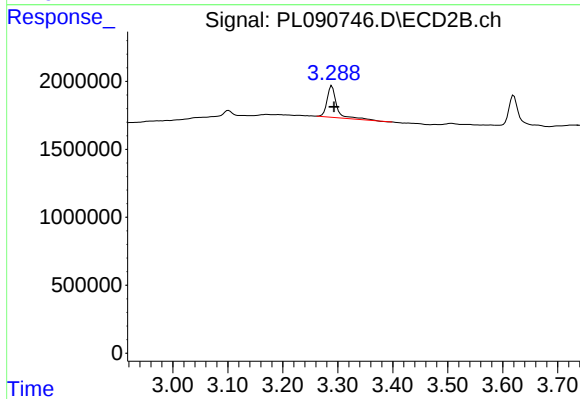
#1 Tetrachloro-m-xylene

R.T.: 2.787 min  
Delta R.T.: -0.003 min  
Response: 35191347  
Conc: 20.91 ng/ml



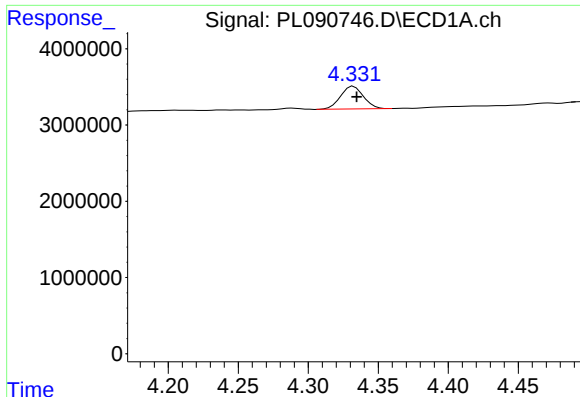
#2 alpha-BHC

R.T.: 4.000 min  
Delta R.T.: -0.002 min  
Response: 3673746  
Conc: 1.24 ng/ml



#2 alpha-BHC

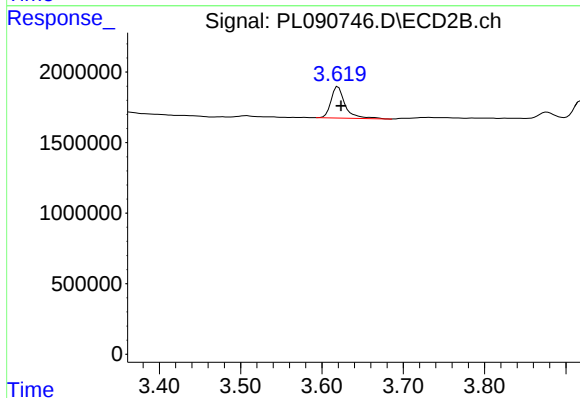
R.T.: 3.289 min  
Delta R.T.: -0.004 min  
Response: 2832345  
Conc: 1.17 ng/ml



#3 gamma-BHC (Lindane)

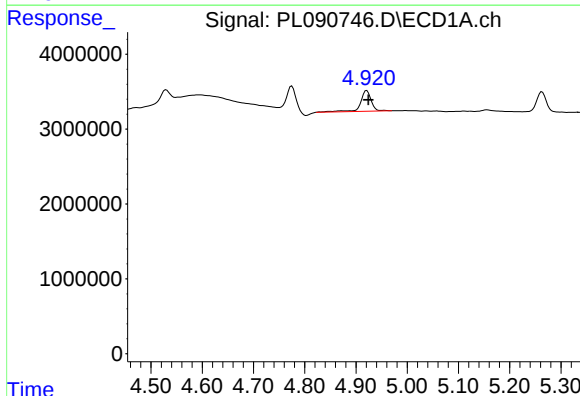
R.T.: 4.332 min  
Delta R.T.: -0.002 min  
Response: 3379961  
Conc: 1.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



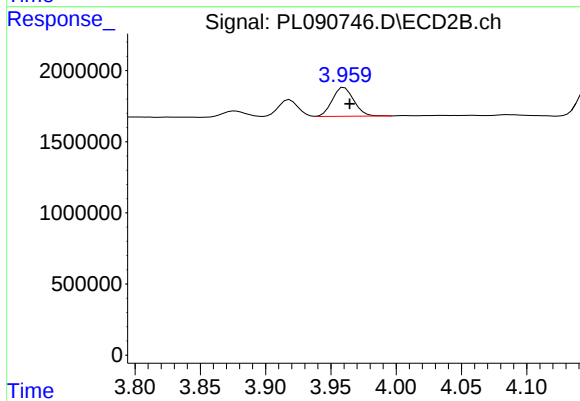
#3 gamma-BHC (Lindane)

R.T.: 3.620 min  
Delta R.T.: -0.004 min  
Response: 2721952  
Conc: 1.18 ng/ml



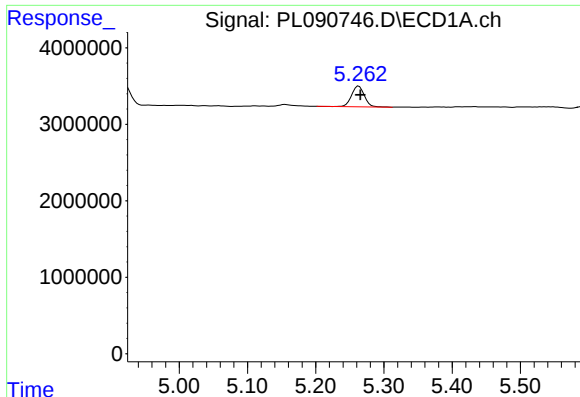
#4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: -0.003 min  
Response: 4034525  
Conc: 1.59 ng/ml



#4 Heptachlor

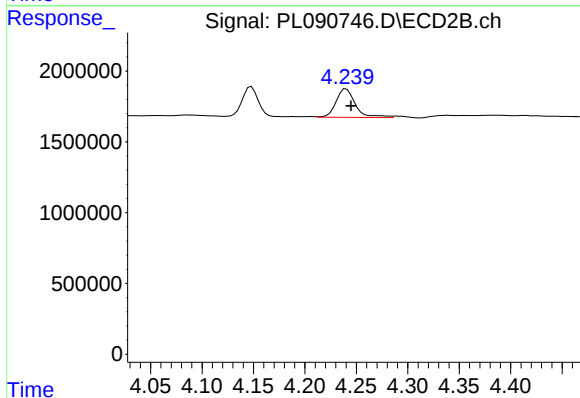
R.T.: 3.960 min  
Delta R.T.: -0.004 min  
Response: 2338237  
Conc: 1.06 ng/ml



#5 Aldrin

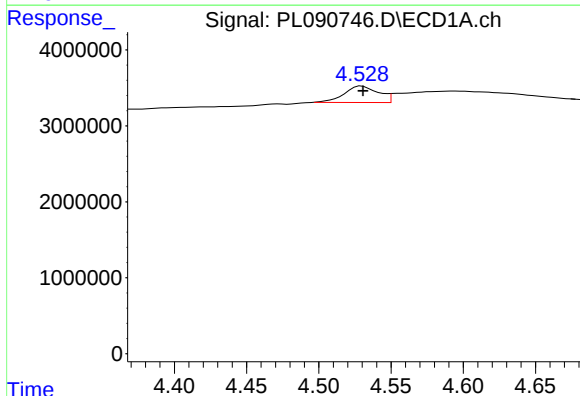
R.T.: 5.263 min  
Delta R.T.: -0.002 min  
Response: 3558856  
Conc: 1.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



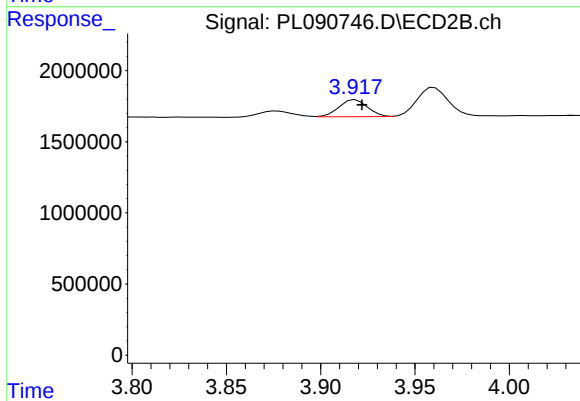
#5 Aldrin

R.T.: 4.240 min  
Delta R.T.: -0.005 min  
Response: 2636873  
Conc: 1.24 ng/ml



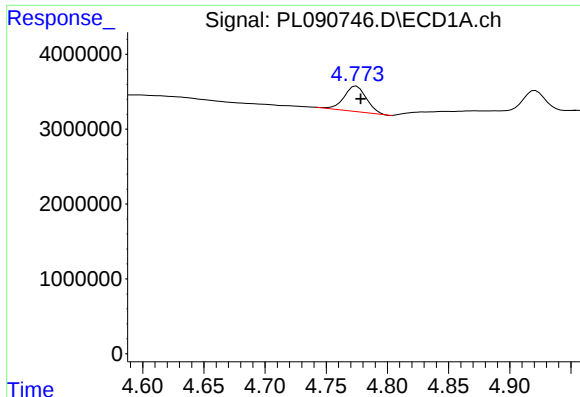
#6 beta-BHC

R.T.: 4.530 min  
Delta R.T.: 0.000 min  
Response: 3553326  
Conc: 2.80 ng/ml



#6 beta-BHC

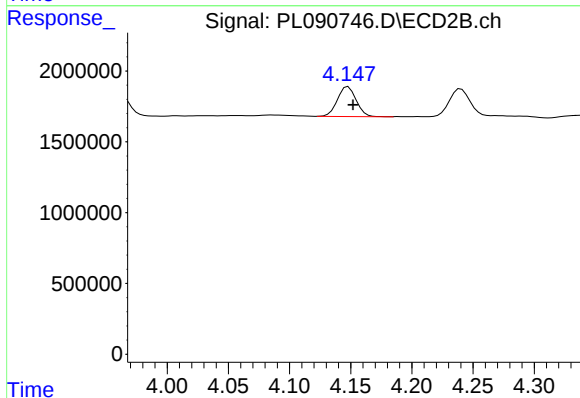
R.T.: 3.918 min  
Delta R.T.: -0.004 min  
Response: 1260136  
Conc: 1.22 ng/ml



#7 delta-BHC

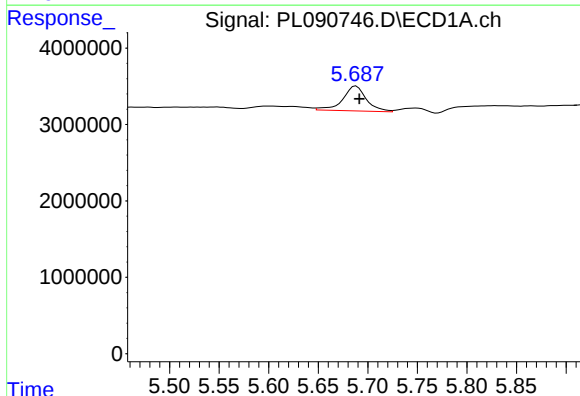
R.T.: 4.775 min  
Delta R.T.: -0.003 min  
Response: 4345335  
Conc: 1.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



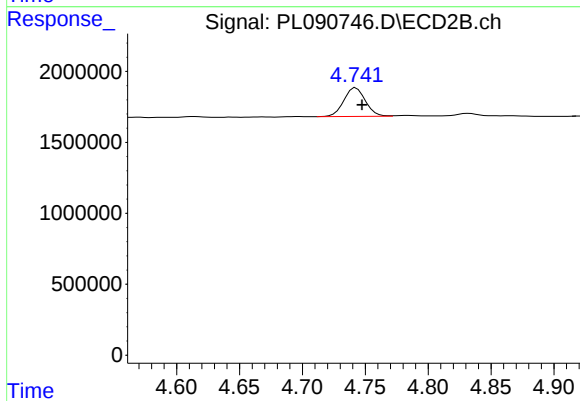
#7 delta-BHC

R.T.: 4.148 min  
Delta R.T.: -0.004 min  
Response: 2278399  
Conc: 1.04 ng/ml



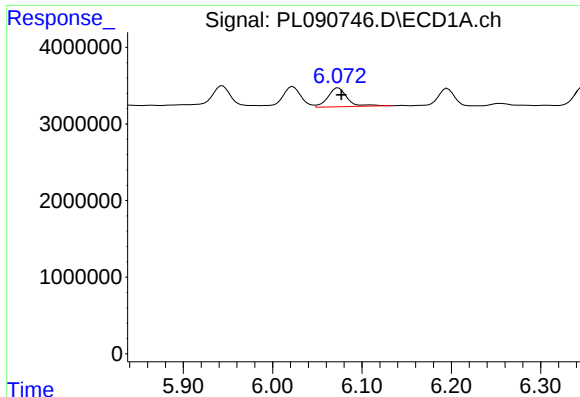
#8 Heptachlor epoxide

R.T.: 5.688 min  
Delta R.T.: -0.003 min  
Response: 5403907  
Conc: 2.30 ng/ml



#8 Heptachlor epoxide

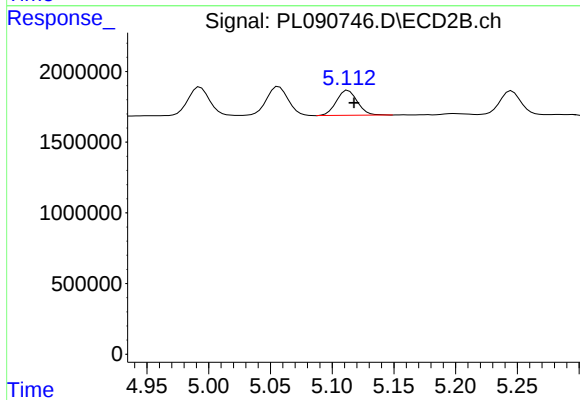
R.T.: 4.743 min  
Delta R.T.: -0.005 min  
Response: 2413135  
Conc: 1.24 ng/ml



#9 Endosulfan I

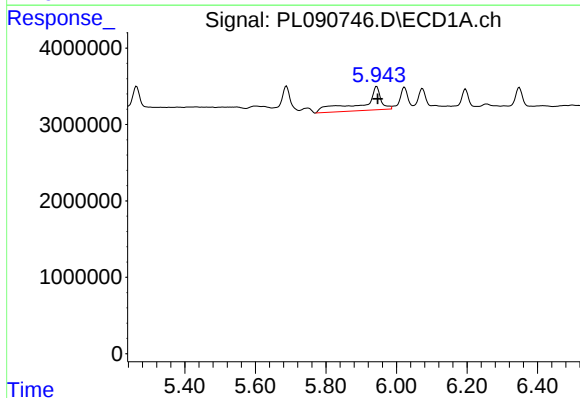
R.T.: 6.074 min  
Delta R.T.: -0.004 min  
Response: 3713729  
Conc: 1.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



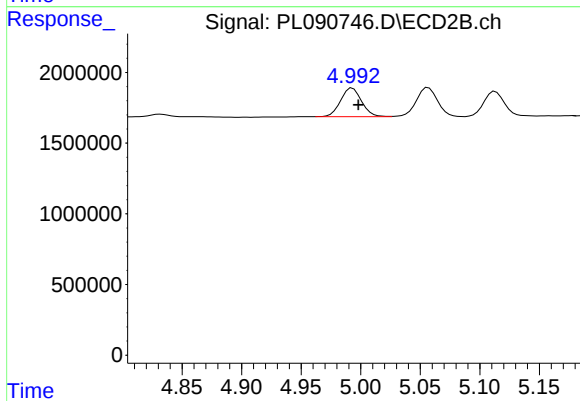
#9 Endosulfan I

R.T.: 5.113 min  
Delta R.T.: -0.005 min  
Response: 2098850  
Conc: 1.15 ng/ml



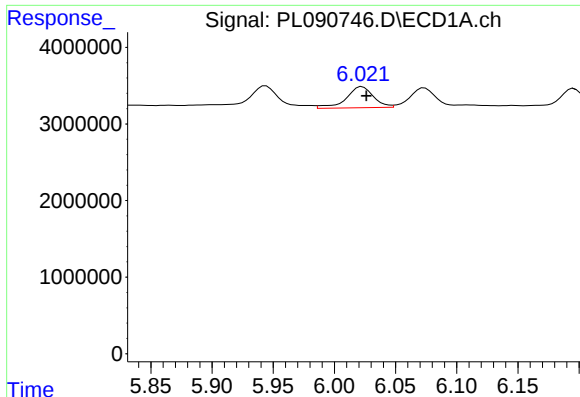
#10 gamma-Chlordane

R.T.: 5.944 min  
Delta R.T.: -0.003 min  
Response: 11401247  
Conc: 4.90 ng/ml



#10 gamma-Chlordane

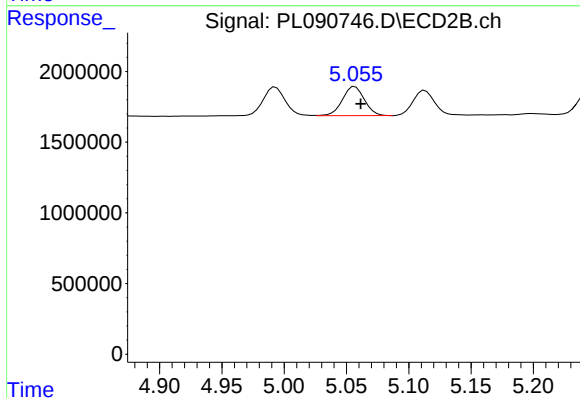
R.T.: 4.993 min  
Delta R.T.: -0.005 min  
Response: 2478142  
Conc: 1.22 ng/ml



#11 alpha-Chlordane

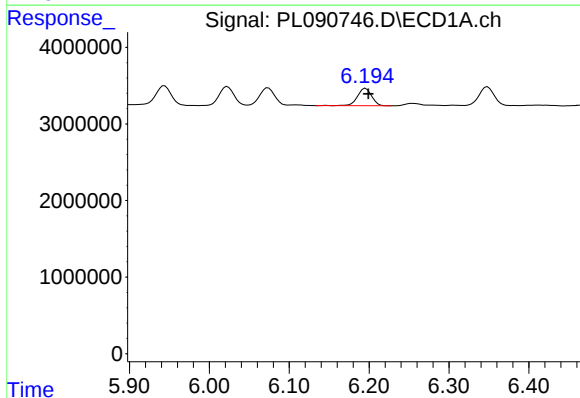
R.T.: 6.023 min  
Delta R.T.: -0.003 min  
Response: 4272505  
Conc: 1.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



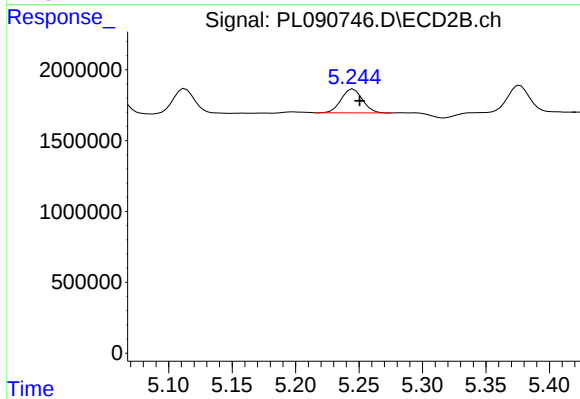
#11 alpha-Chlordane

R.T.: 5.057 min  
Delta R.T.: -0.005 min  
Response: 2533847  
Conc: 1.25 ng/ml



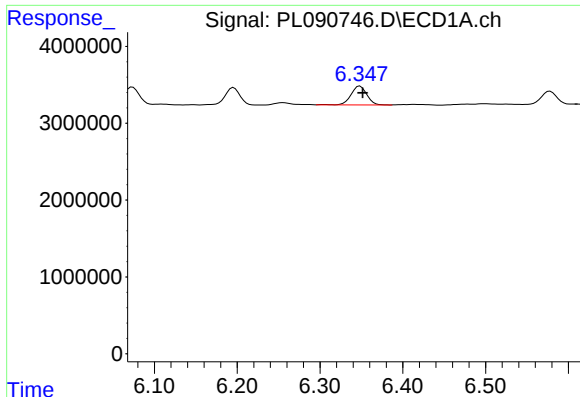
#12 4,4'-DDE

R.T.: 6.196 min  
Delta R.T.: -0.003 min  
Response: 2827642  
Conc: 1.40 ng/ml



#12 4,4'-DDE

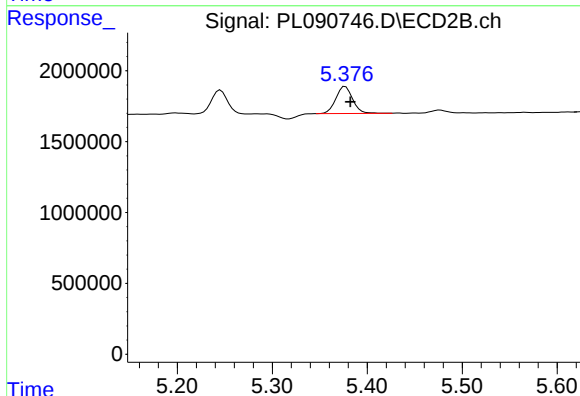
R.T.: 5.246 min  
Delta R.T.: -0.005 min  
Response: 1942327  
Conc: 1.09 ng/ml



#13 Dieldrin

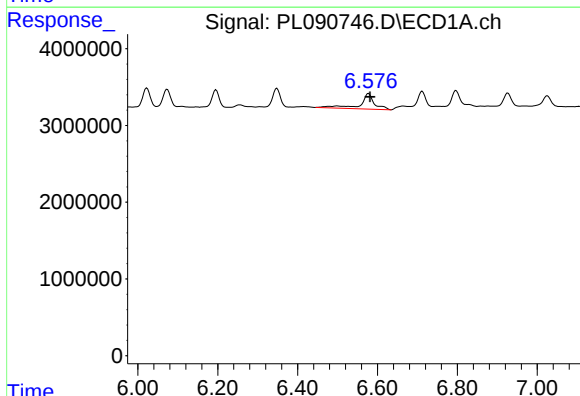
R.T.: 6.348 min  
Delta R.T.: -0.003 min  
Response: 3241007  
Conc: 1.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



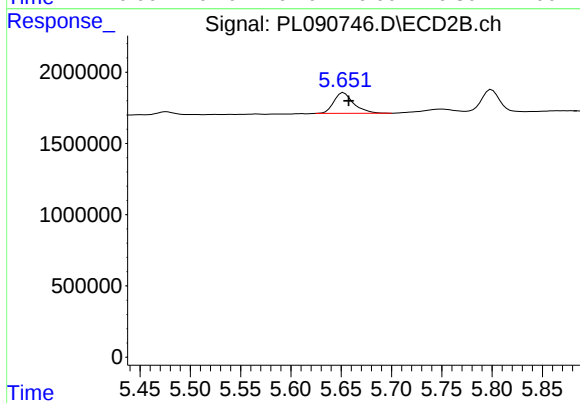
#13 Dieldrin

R.T.: 5.377 min  
Delta R.T.: -0.005 min  
Response: 2372642  
Conc: 1.21 ng/ml



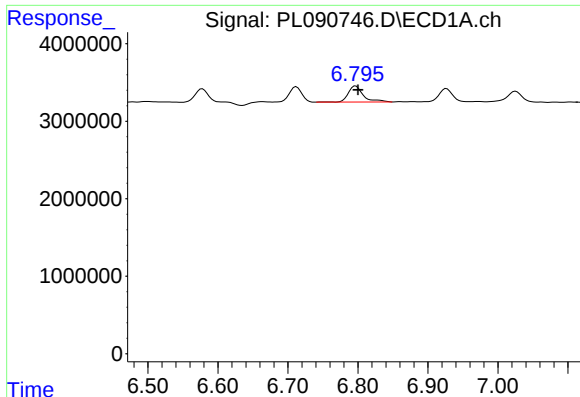
#14 Endrin

R.T.: 6.578 min  
Delta R.T.: -0.004 min  
Response: 4996678  
Conc: 2.72 ng/ml



#14 Endrin

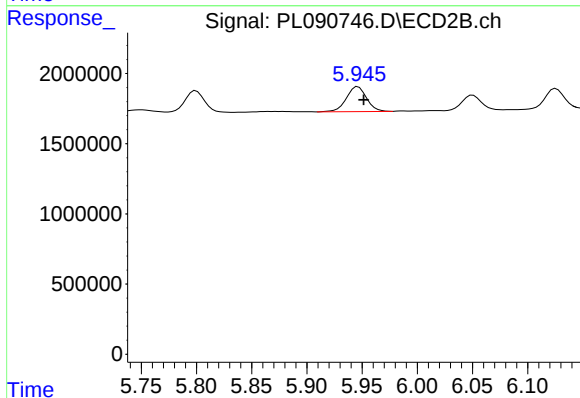
R.T.: 5.652 min  
Delta R.T.: -0.005 min  
Response: 1990339  
Conc: 1.16 ng/ml



#15 Endosulfan II

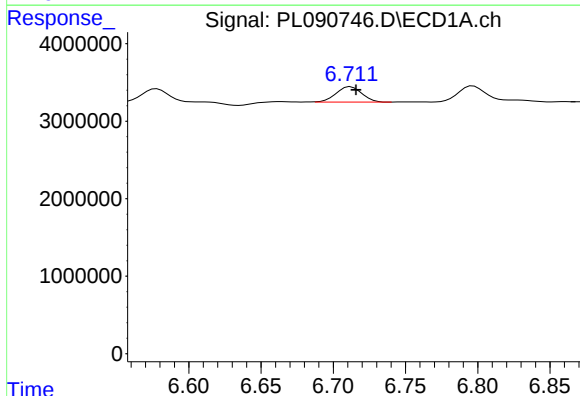
R.T.: 6.797 min  
Delta R.T.: -0.003 min  
Response: 3107326  
Conc: 1.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



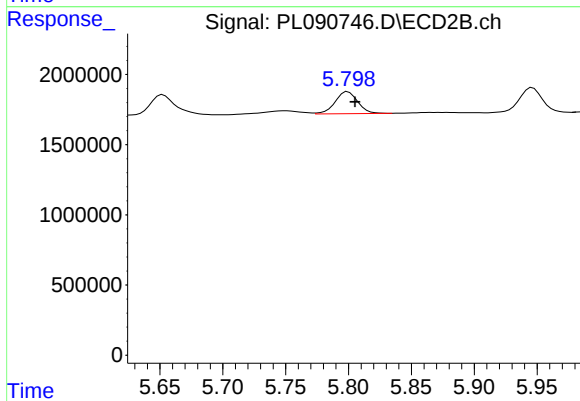
#15 Endosulfan II

R.T.: 5.946 min  
Delta R.T.: -0.005 min  
Response: 2259439  
Conc: 1.32 ng/ml



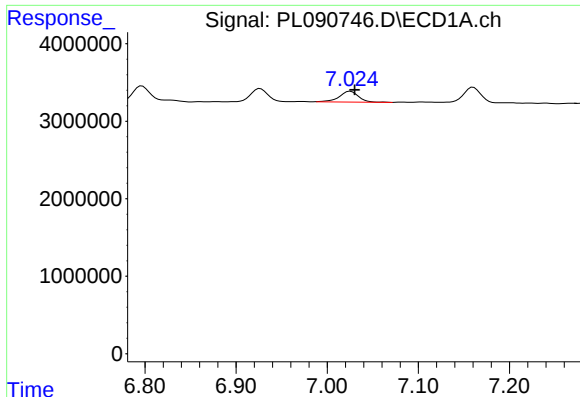
#16 4,4'-DDD

R.T.: 6.712 min  
Delta R.T.: -0.004 min  
Response: 2448617  
Conc: 1.45 ng/ml



#16 4,4'-DDD

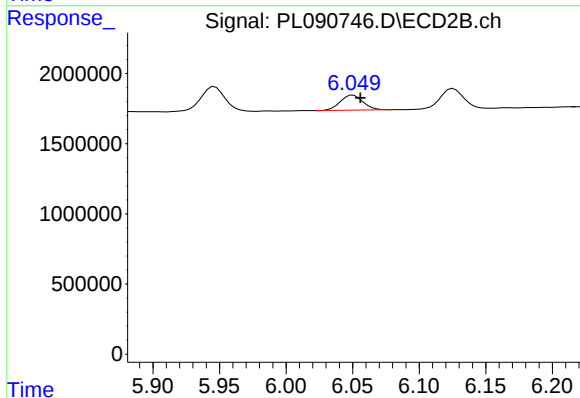
R.T.: 5.800 min  
Delta R.T.: -0.006 min  
Response: 1968630  
Conc: 1.31 ng/ml



#17 4,4'-DDT

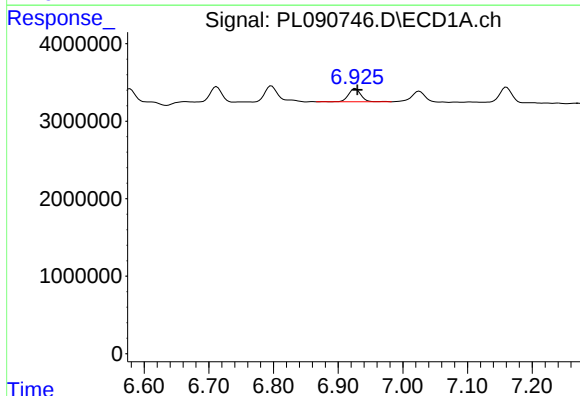
R.T.: 7.025 min  
Delta R.T.: -0.005 min  
Response: 2047106  
Conc: 1.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



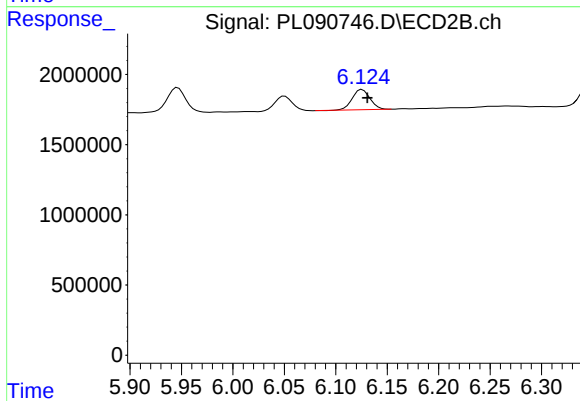
#17 4,4'-DDT

R.T.: 6.050 min  
Delta R.T.: -0.005 min  
Response: 1274524  
Conc: 0.87 ng/ml



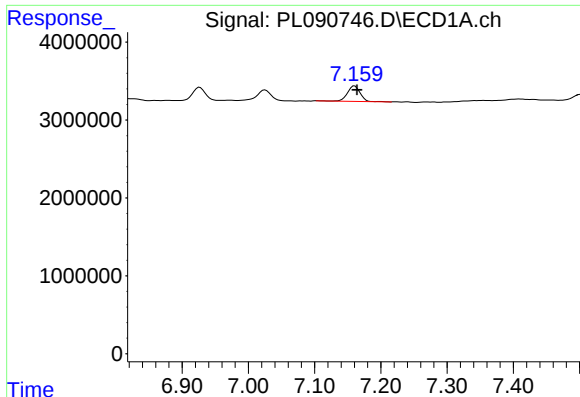
#18 Endrin aldehyde

R.T.: 6.927 min  
Delta R.T.: -0.003 min  
Response: 2280666  
Conc: 1.54 ng/ml



#18 Endrin aldehyde

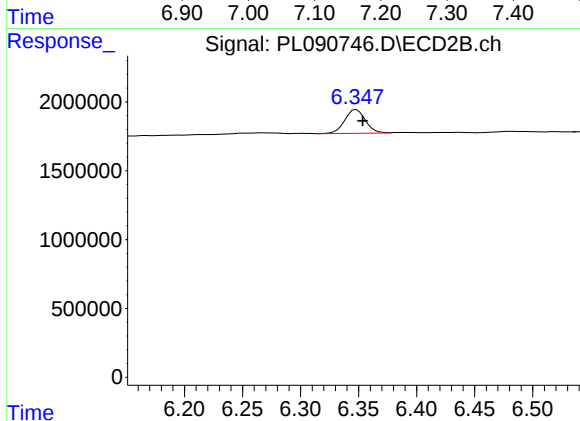
R.T.: 6.126 min  
Delta R.T.: -0.005 min  
Response: 1742210  
Conc: 1.33 ng/ml



#19 Endosulfan Sulfate

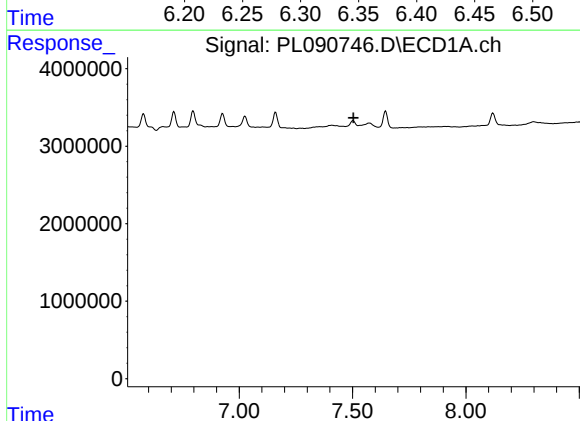
R.T.: 7.160 min  
Delta R.T.: -0.004 min  
Response: 2678141  
Conc: 1.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



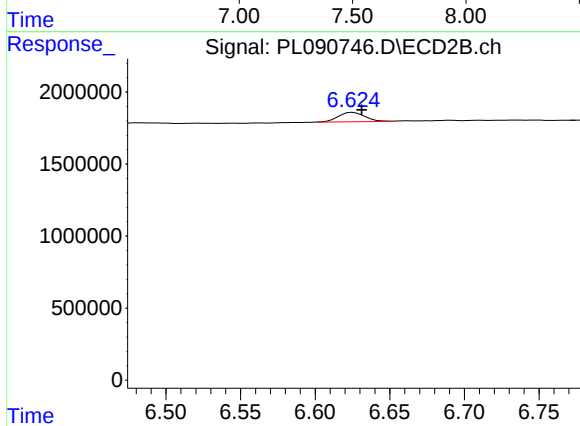
#19 Endosulfan Sulfate

R.T.: 6.348 min  
Delta R.T.: -0.005 min  
Response: 2156773  
Conc: 1.34 ng/ml



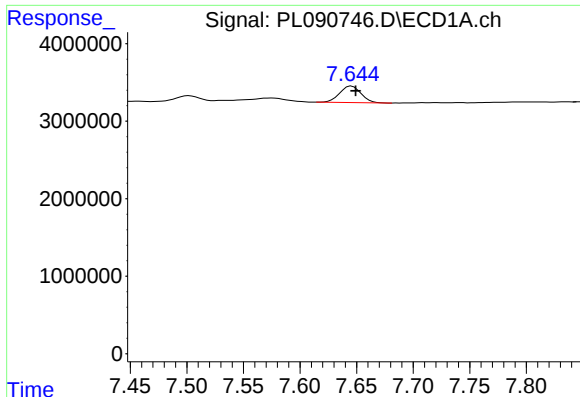
#20 Methoxychlor

R.T.: 0.000 min  
Exp R.T. : 7.505 min  
Response: 0  
Conc: N.D.



#20 Methoxychlor

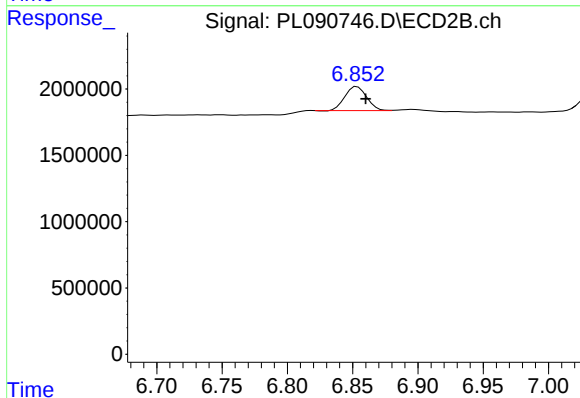
R.T.: 6.625 min  
Delta R.T.: -0.006 min  
Response: 806312  
Conc: 1.00 ng/ml



#21 Endrin ketone

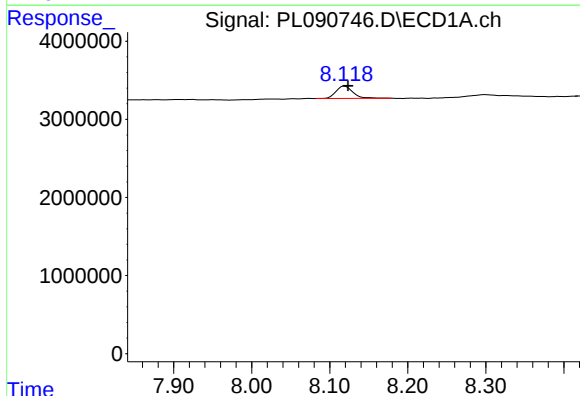
R.T.: 7.646 min  
Delta R.T.: -0.004 min  
Response: 2800808  
Conc: 1.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



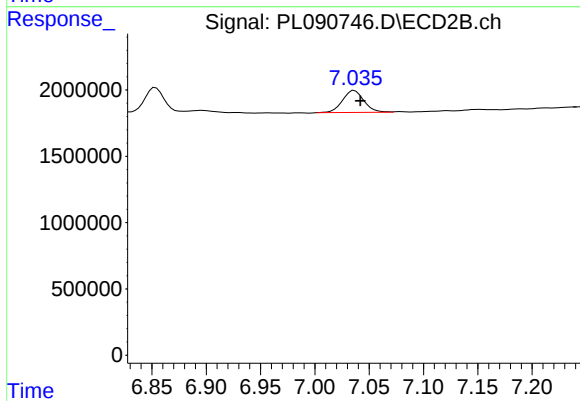
#21 Endrin ketone

R.T.: 6.853 min  
Delta R.T.: -0.007 min  
Response: 2113265  
Conc: 1.16 ng/ml



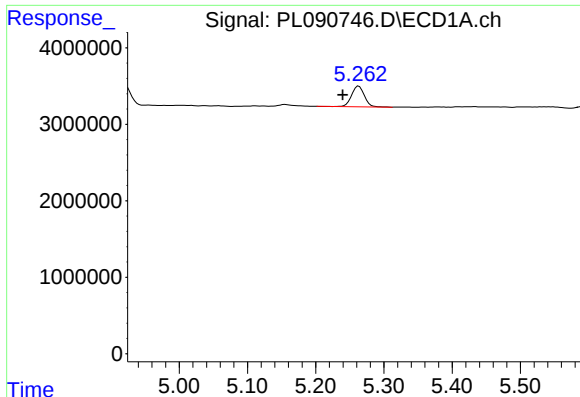
#22 Mirex

R.T.: 8.119 min  
Delta R.T.: -0.004 min  
Response: 2386984  
Conc: 1.69 ng/ml



#22 Mirex

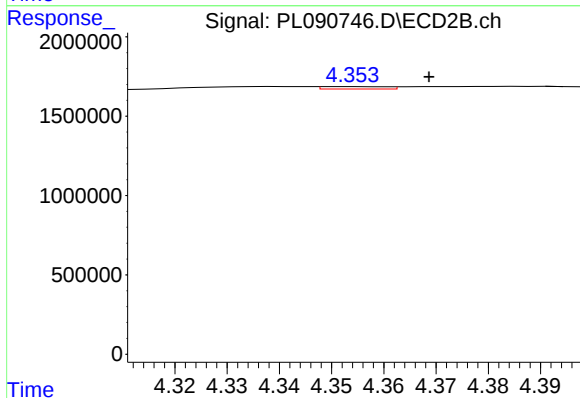
R.T.: 7.036 min  
Delta R.T.: -0.006 min  
Response: 2274700  
Conc: 1.53 ng/ml



#24 Chlordane-2

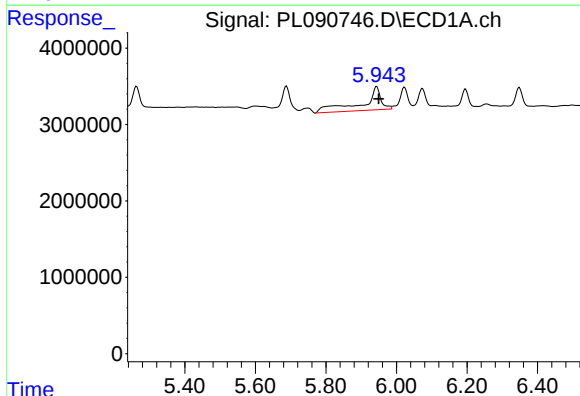
R.T.: 5.263 min  
Delta R.T.: 0.023 min  
Response: 3558856  
Conc: 34.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



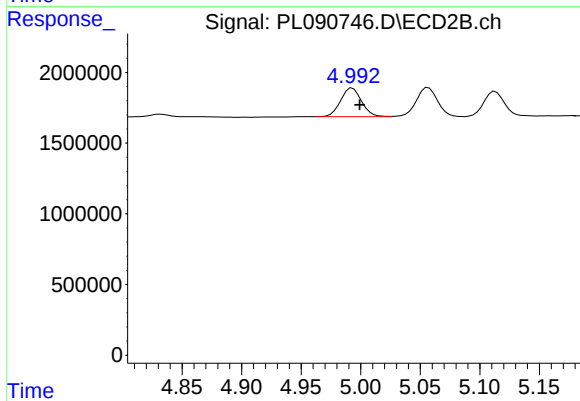
#24 Chlordane-2

R.T.: 4.354 min  
Delta R.T.: -0.014 min  
Response: 130469  
Conc: 1.72 ng/ml



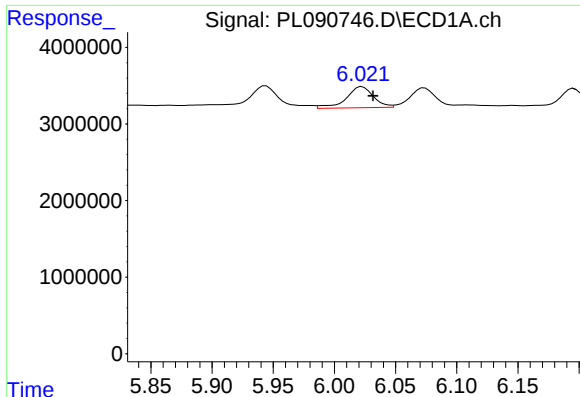
#25 Chlordane-3

R.T.: 5.944 min  
Delta R.T.: -0.006 min  
Response: 11401247  
Conc: 34.44 ng/ml



#25 Chlordane-3

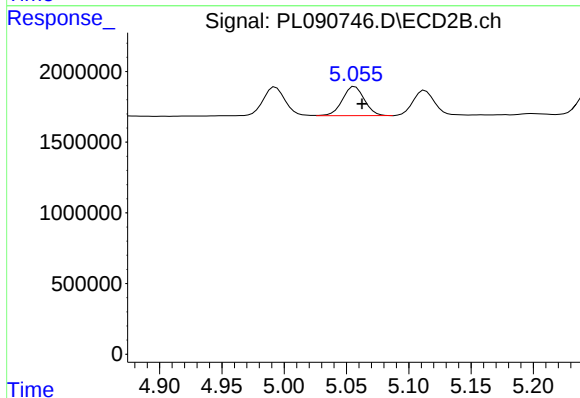
R.T.: 4.993 min  
Delta R.T.: -0.006 min  
Response: 2478142  
Conc: 11.99 ng/ml



#26 Chlordane-4

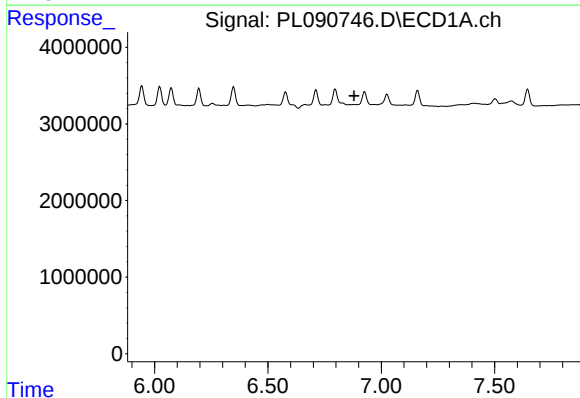
R.T.: 6.023 min  
Delta R.T.: -0.009 min  
Response: 4272505  
Conc: 10.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



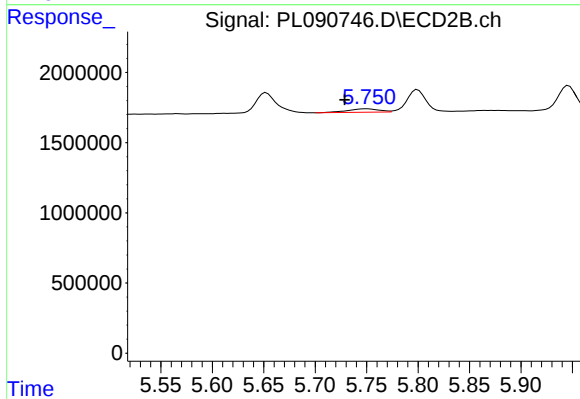
#26 Chlordane-4

R.T.: 5.057 min  
Delta R.T.: -0.006 min  
Response: 2533847  
Conc: 12.95 ng/ml



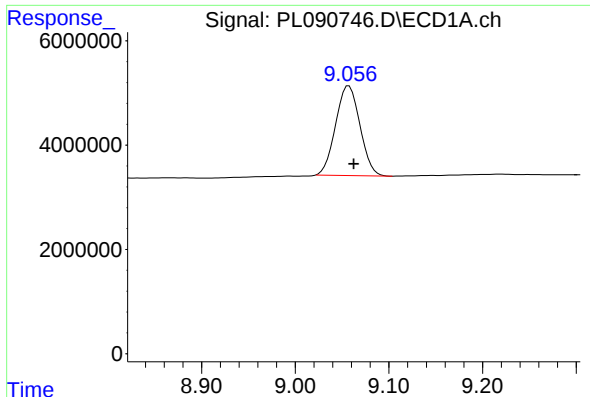
#27 Chlordane-5

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



#27 Chlordane-5

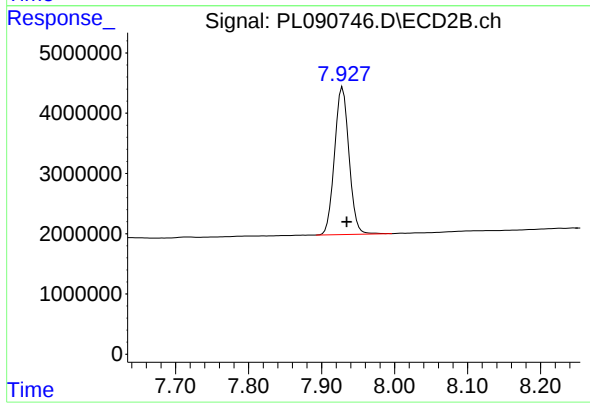
R.T.: 5.751 min  
Delta R.T.: 0.023 min  
Response: 533016  
Conc: 8.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min  
Delta R.T.: -0.005 min  
Response: 31093302  
Conc: 23.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024



#28 Decachlorobiphenyl

R.T.: 7.929 min  
Delta R.T.: -0.006 min  
Response: 33677591  
Conc: 23.10 ng/ml