

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111124\  
 Data File : PD086519.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 14:04  
 Operator : AR\AJ  
 Sample : P4368-07  
 Misc : PEST LOD 2.5PPB  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 01:41:55 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD103024.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 31 11:38:14 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml  | ng/ml    |
|-----------------------------|-----------------|--------|--------|----------|----------|--------|----------|
| -----                       |                 |        |        |          |          |        |          |
| System Monitoring Compounds |                 |        |        |          |          |        |          |
| 1)                          | SA Tetrachlo... | 3.560  | 2.887  | 28150791 | 211.2E6  | 19.272 | 21.361   |
| 28)                         | SA Decachlor... | 9.098  | 8.095  | 40892807 | 251.2E6  | 21.330 | 23.447   |
| Target Compounds            |                 |        |        |          |          |        |          |
| 2)                          | A alpha-BHC     | 4.010  | 3.401  | 6202817  | 45741209 | 2.165  | 3.014 #  |
| 3)                          | MA gamma-BHC... | 4.342  | 3.739  | 6263612  | 43245879 | 2.186  | 2.958 #  |
| 4)                          | MA Heptachlor   | 4.943  | 4.095  | 7096623  | 45306607 | 2.595  | 3.216    |
| 5)                          | MB Aldrin       | 5.285  | 4.382  | 8022718  | 74152356 | 2.920  | 5.087 #  |
| 6)                          | B beta-BHC      | 4.525  | 4.035  | 3158441  | 22323867 | 2.763  | 3.501 #  |
| 7)                          | B delta-BHC     | 4.774  | 4.272  | 8336779  | 53805095 | 2.821  | 3.619 #  |
| 8)                          | B Heptachlo...  | 5.704  | 4.887  | 6724714  | 45621829 | 2.730  | 3.461 #  |
| 9)                          | A Endosulfan I  | 6.089  | 5.262  | 7677280  | 39093169 | 3.344  | 3.147    |
| 10)                         | B gamma-Chl...  | 5.960  | 5.141  | 10819306 | 44817512 | 4.494  | 3.292 #  |
| 11)                         | B alpha-Chl...  | 6.042  | 5.206  | 8017146  | 47204952 | 3.312  | 3.528    |
| 12)                         | B 4,4'-DDE      | 6.210  | 5.392  | 6323109  | 63432163 | 2.828  | 4.847 #  |
| 13)                         | MA Dieldrin     | 6.362  | 5.529  | 6062168  | 44486445 | 2.436  | 3.263 #  |
| 14)                         | MA Endrin       | 6.589  | 5.805  | 8221309  | 44594101 | 3.814  | 3.634    |
| 15)                         | B Endosulfa...  | 6.800  | 6.097  | 7171127  | 39981990 | 3.318  | 3.330    |
| 16)                         | A 4,4'-DDD      | 6.719  | 5.946  | 7642133  | 33723150 | 4.229  | 3.062 #  |
| 17)                         | MA 4,4'-DDT     | 7.037  | 6.202  | 4013257  | 35453215 | 2.192  | 3.057 #  |
| 18)                         | B Endrin al...  | 6.930  | 6.275  | 4540523  | 31940809 | 2.746  | 3.407    |
| 19)                         | B Endosulfa...  | 7.164  | 6.499  | 5139666  | 39705044 | 2.558  | 3.430 #  |
| 20)                         | A Methoxychlor  | 7.510  | 6.774  | 2854069  | 21837265 | 2.639  | 3.456 #  |
| 21)                         | B Endrin ke...  | 7.645  | 7.008  | 5724610  | 59031147 | 2.523  | 4.642 #  |
| 22)                         | Mirex           | 8.131  | 7.205  | 4615629  | 36494333 | 2.788  | 3.513 #  |
| 23)                         | Chlordane-1     | 0.000  | 3.910  | 0        | 871120   | N.D.   | 1.873 #  |
| 24)                         | Chlordane-2     | 5.285f | 4.482f | 8022718  | 11494729 | 82.128 | 23.204 # |
| 25)                         | Chlordane-3     | 5.960  | 5.141  | 10819306 | 44817512 | 28.599 | 30.101   |
| 26)                         | Chlordane-4     | 6.042  | 5.206  | 8017146  | 47204952 | 17.451 | 37.578 # |
| 27)                         | Chlordane-5     | 0.000  | 5.874  | 0        | 651009   | N.D.   | 1.595 #  |
| -----                       |                 |        |        |          |          |        |          |

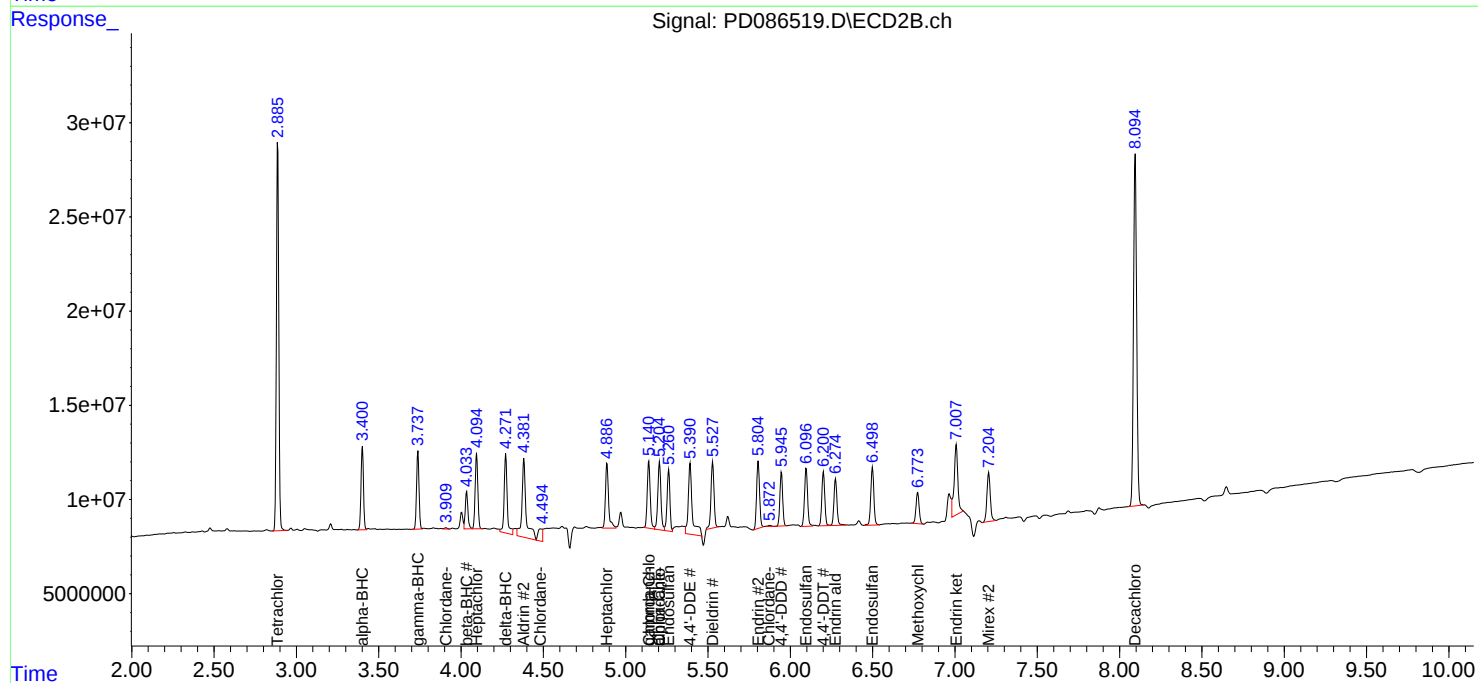
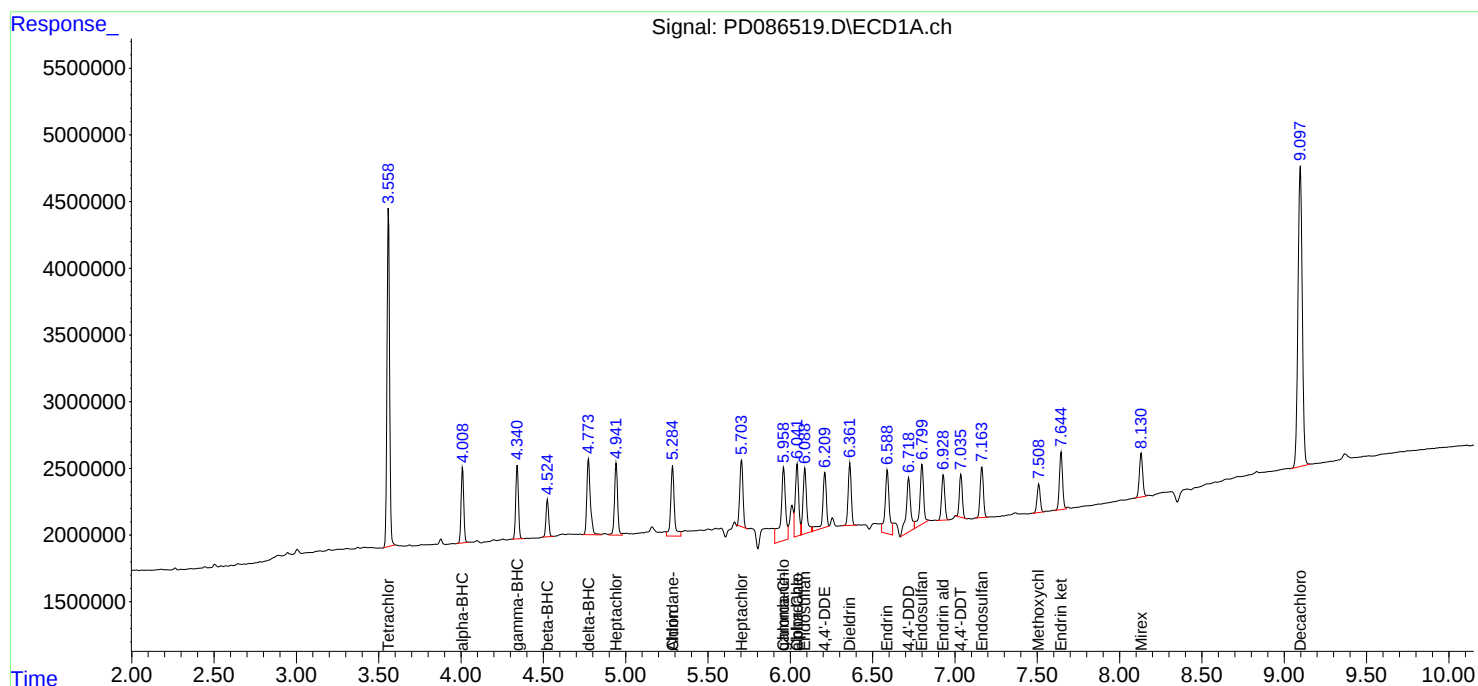
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

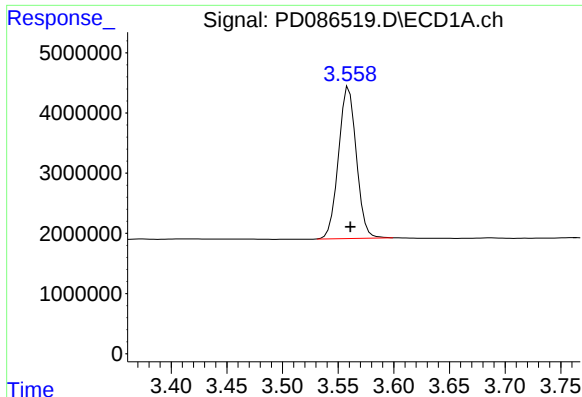
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111124\  
Data File : PD086519.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 14:04  
Operator : AR\AJ  
Sample : P4368-07  
Misc : PEST LOD 2.5PPB  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 01:41:55 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD103024.M  
Quant Title : GC Extractables  
QLast Update : Thu Oct 31 11:38:14 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

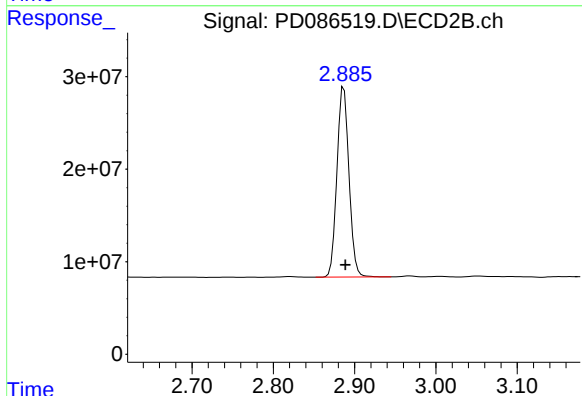




#1 Tetrachloro-m-xylene

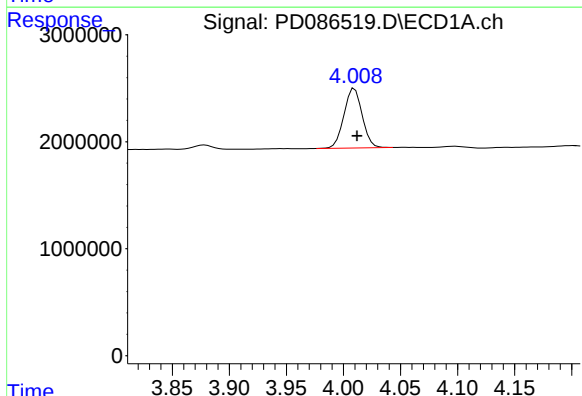
R.T.: 3.560 min  
Delta R.T.: -0.001 min  
Response: 28150791  
Conc: 19.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



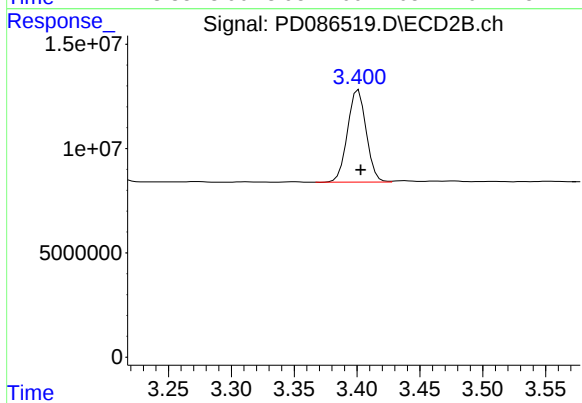
#1 Tetrachloro-m-xylene

R.T.: 2.887 min  
Delta R.T.: -0.002 min  
Response: 211243893  
Conc: 21.36 ng/ml



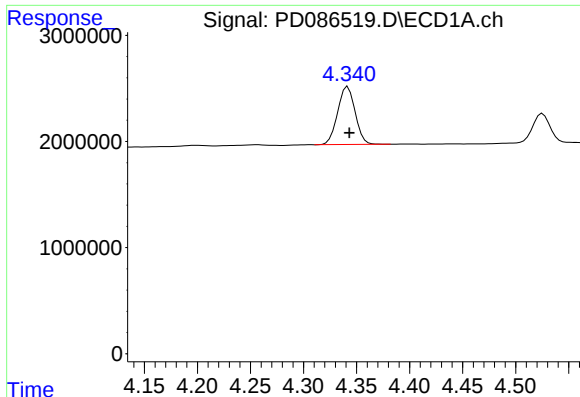
#2 alpha-BHC

R.T.: 4.010 min  
Delta R.T.: -0.002 min  
Response: 6202817  
Conc: 2.16 ng/ml



#2 alpha-BHC

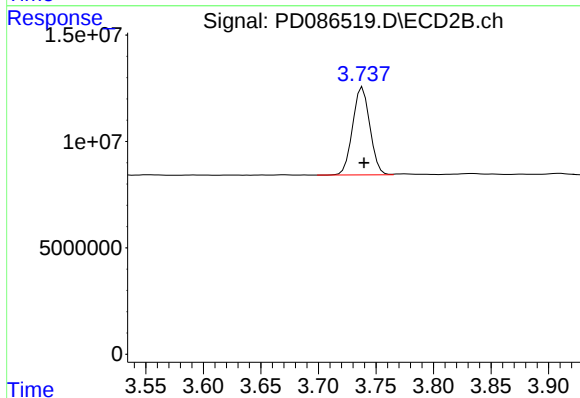
R.T.: 3.401 min  
Delta R.T.: -0.002 min  
Response: 45741209  
Conc: 3.01 ng/ml



#3 gamma-BHC (Lindane)

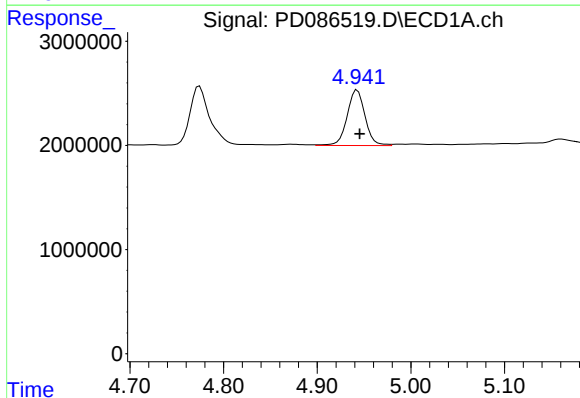
R.T.: 4.342 min  
Delta R.T.: -0.002 min  
Response: 6263612  
Conc: 2.19 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



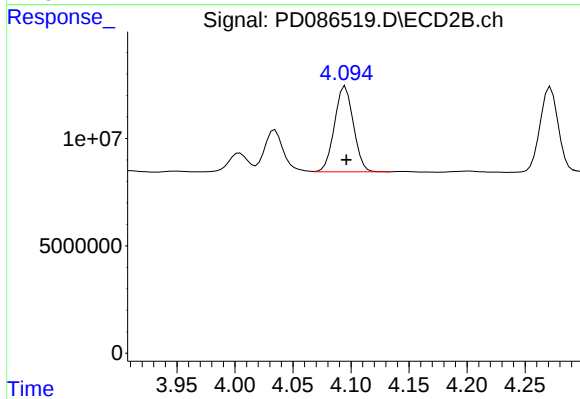
#3 gamma-BHC (Lindane)

R.T.: 3.739 min  
Delta R.T.: -0.001 min  
Response: 43245879  
Conc: 2.96 ng/ml



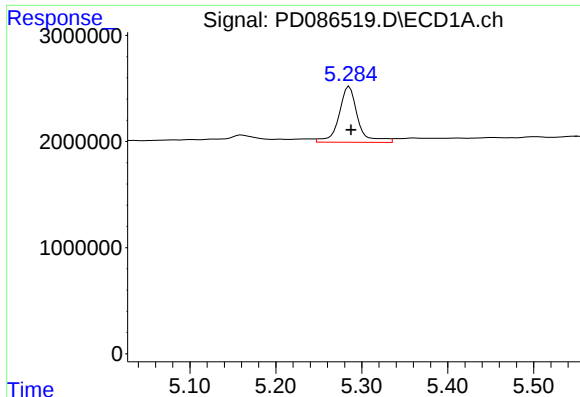
#4 Heptachlor

R.T.: 4.943 min  
Delta R.T.: -0.002 min  
Response: 7096623  
Conc: 2.59 ng/ml



#4 Heptachlor

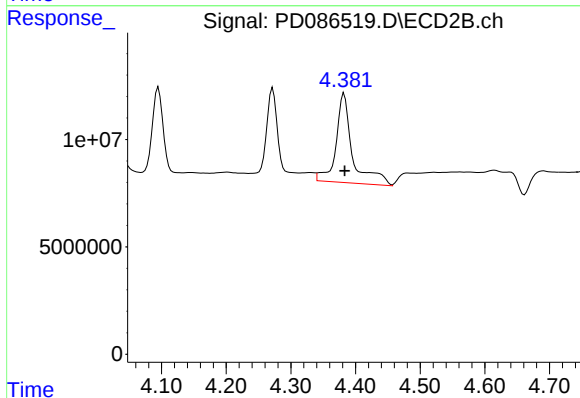
R.T.: 4.095 min  
Delta R.T.: 0.000 min  
Response: 45306607  
Conc: 3.22 ng/ml



#5 Aldrin

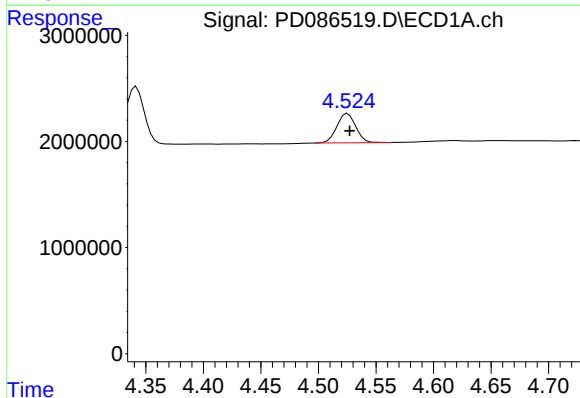
R.T.: 5.285 min  
Delta R.T.: -0.002 min  
Response: 8022718  
Conc: 2.92 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



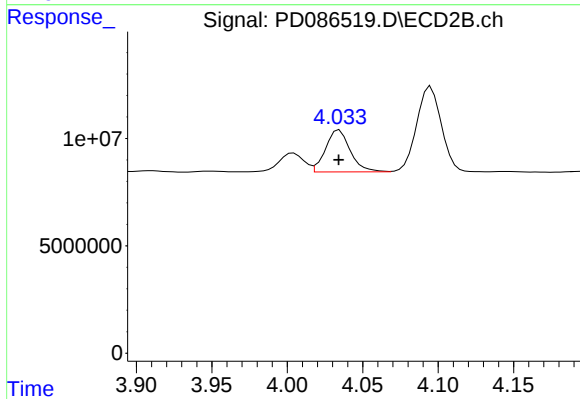
#5 Aldrin

R.T.: 4.382 min  
Delta R.T.: 0.000 min  
Response: 74152356  
Conc: 5.09 ng/ml



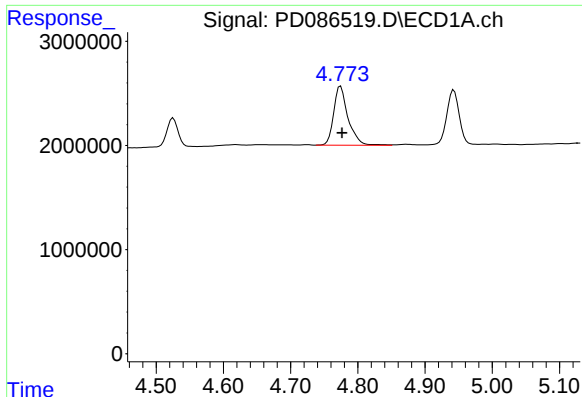
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: -0.002 min  
Response: 3158441  
Conc: 2.76 ng/ml



#6 beta-BHC

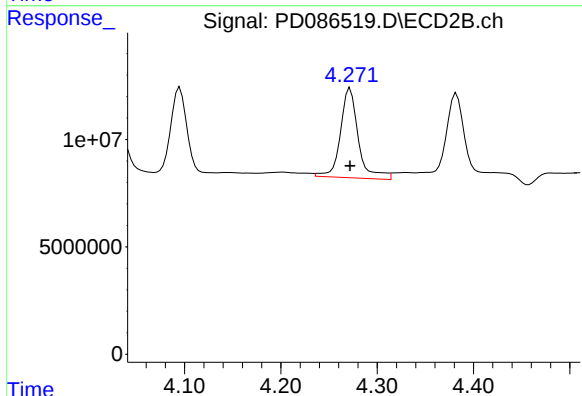
R.T.: 4.035 min  
Delta R.T.: 0.000 min  
Response: 22323867  
Conc: 3.50 ng/ml



#7 delta-BHC

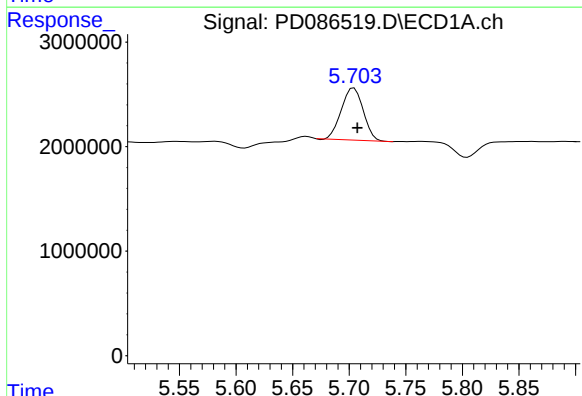
R.T.: 4.774 min  
Delta R.T.: -0.002 min  
Response: 8336779  
Conc: 2.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



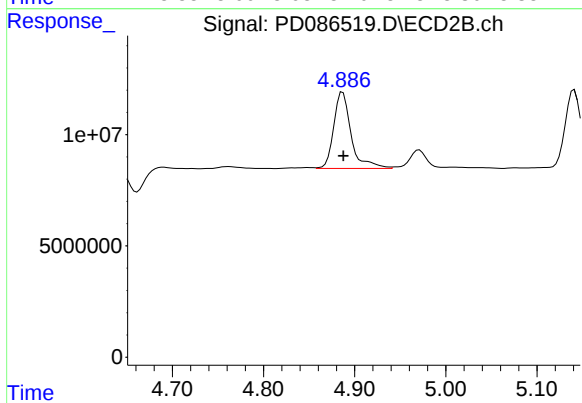
#7 delta-BHC

R.T.: 4.272 min  
Delta R.T.: 0.000 min  
Response: 53805095  
Conc: 3.62 ng/ml



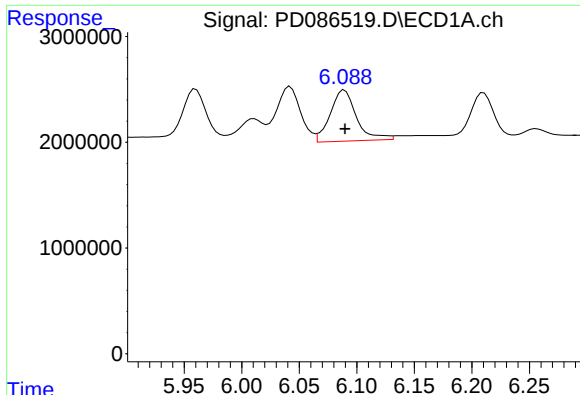
#8 Heptachlor epoxide

R.T.: 5.704 min  
Delta R.T.: -0.003 min  
Response: 6724714  
Conc: 2.73 ng/ml



#8 Heptachlor epoxide

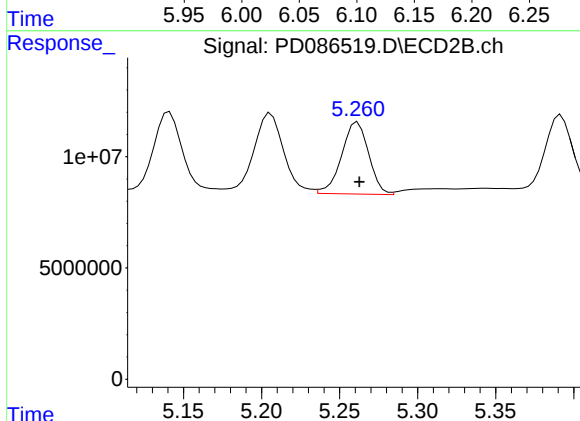
R.T.: 4.887 min  
Delta R.T.: 0.000 min  
Response: 45621829  
Conc: 3.46 ng/ml



#9 Endosulfan I

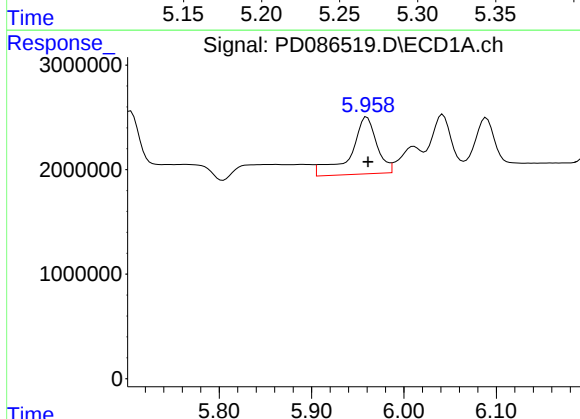
R.T.: 6.089 min  
Delta R.T.: 0.000 min  
Response: 7677280  
Conc: 3.34 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



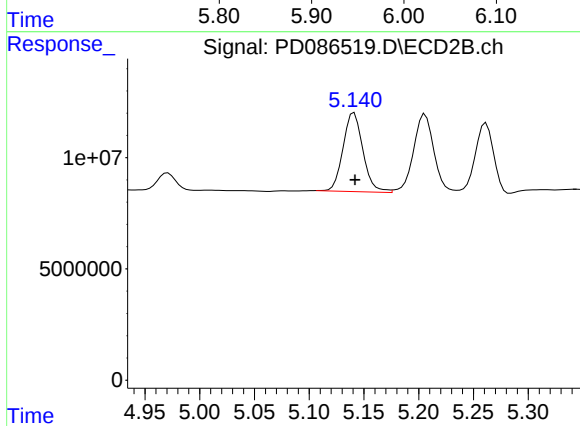
#9 Endosulfan I

R.T.: 5.262 min  
Delta R.T.: -0.001 min  
Response: 39093169  
Conc: 3.15 ng/ml



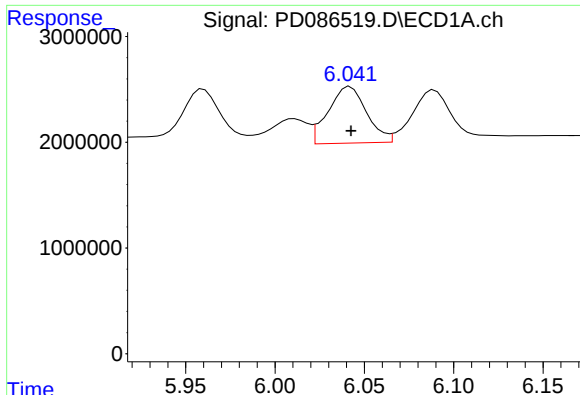
#10 gamma-Chlordane

R.T.: 5.960 min  
Delta R.T.: -0.001 min  
Response: 10819306  
Conc: 4.49 ng/ml



#10 gamma-Chlordane

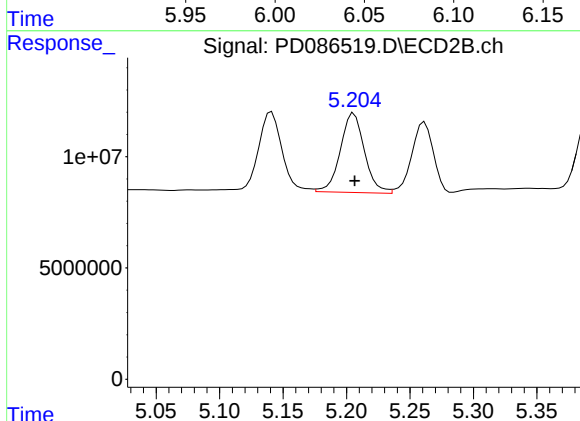
R.T.: 5.141 min  
Delta R.T.: 0.000 min  
Response: 44817512  
Conc: 3.29 ng/ml



#11 alpha-Chlordane

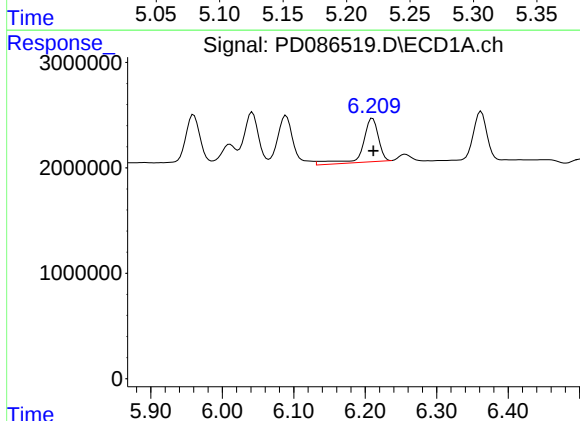
R.T.: 6.042 min  
Delta R.T.: 0.000 min  
Response: 8017146  
Conc: 3.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



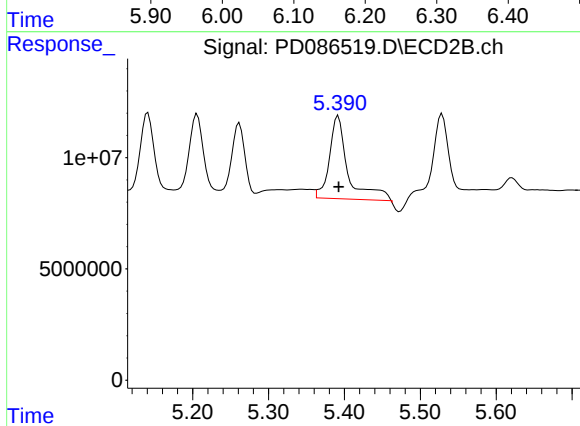
#11 alpha-Chlordane

R.T.: 5.206 min  
Delta R.T.: 0.000 min  
Response: 47204952  
Conc: 3.53 ng/ml



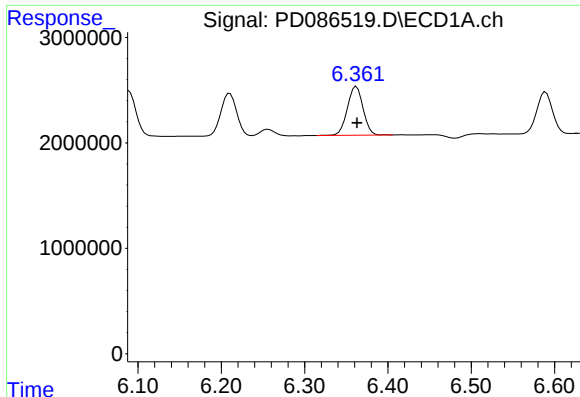
#12 4,4'-DDE

R.T.: 6.210 min  
Delta R.T.: -0.001 min  
Response: 6323109  
Conc: 2.83 ng/ml



#12 4,4'-DDE

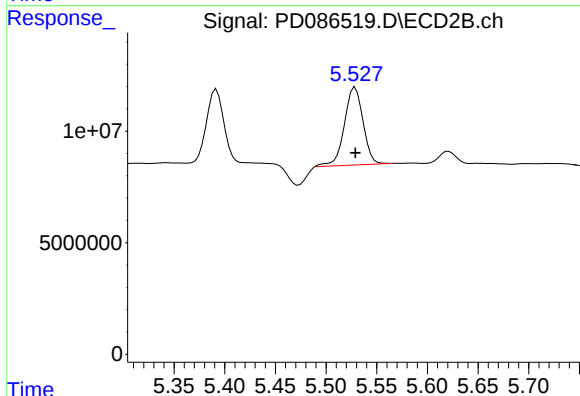
R.T.: 5.392 min  
Delta R.T.: 0.000 min  
Response: 63432163  
Conc: 4.85 ng/ml



#13 Dieldrin

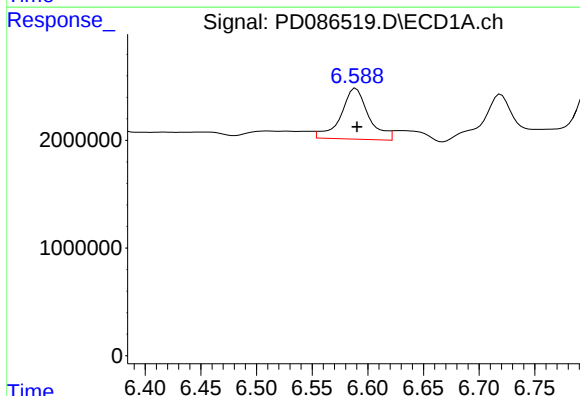
R.T.: 6.362 min  
Delta R.T.: -0.001 min  
Response: 6062168  
Conc: 2.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



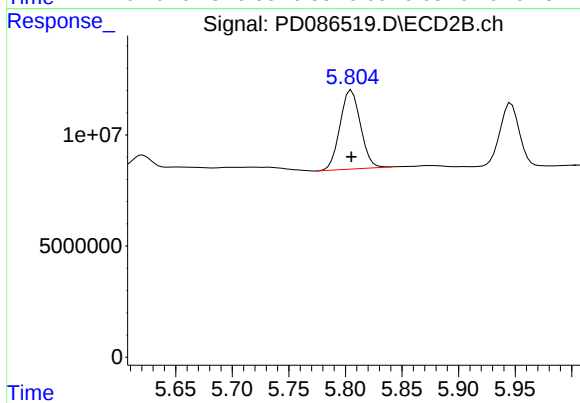
#13 Dieldrin

R.T.: 5.529 min  
Delta R.T.: 0.000 min  
Response: 44486445  
Conc: 3.26 ng/ml



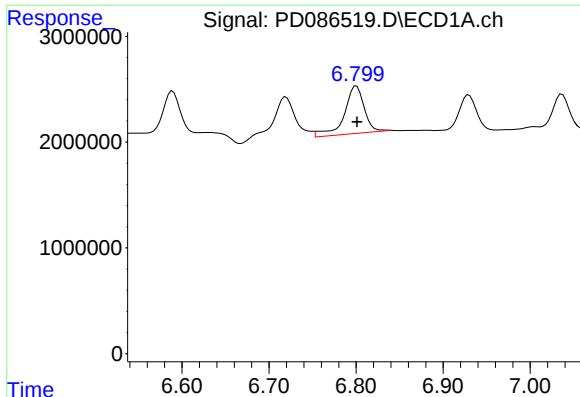
#14 Endrin

R.T.: 6.589 min  
Delta R.T.: 0.000 min  
Response: 8221309  
Conc: 3.81 ng/ml



#14 Endrin

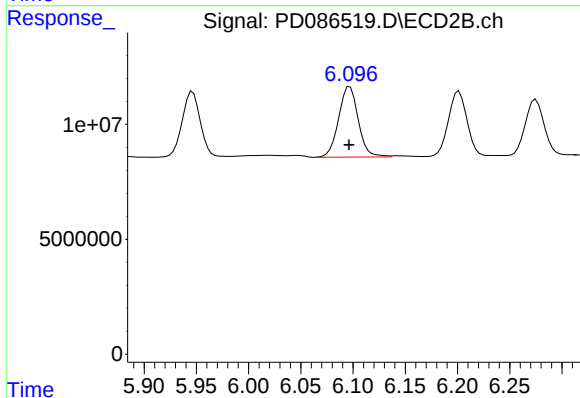
R.T.: 5.805 min  
Delta R.T.: 0.000 min  
Response: 44594101  
Conc: 3.63 ng/ml



#15 Endosulfan II

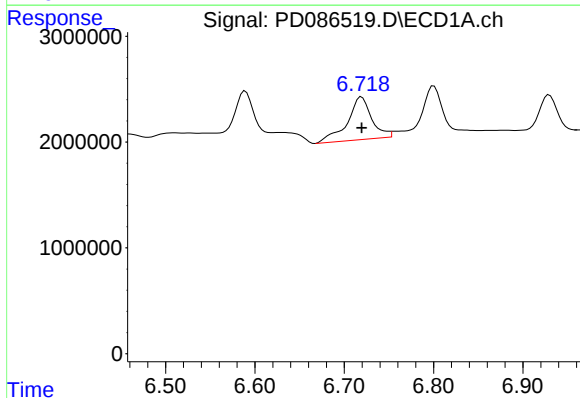
R.T.: 6.800 min  
Delta R.T.: 0.000 min  
Response: 7171127  
Conc: 3.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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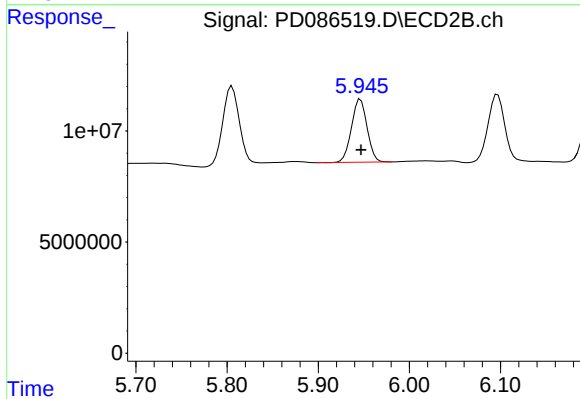
#15 Endosulfan II

R.T.: 6.097 min  
Delta R.T.: 0.000 min  
Response: 39981990  
Conc: 3.33 ng/ml



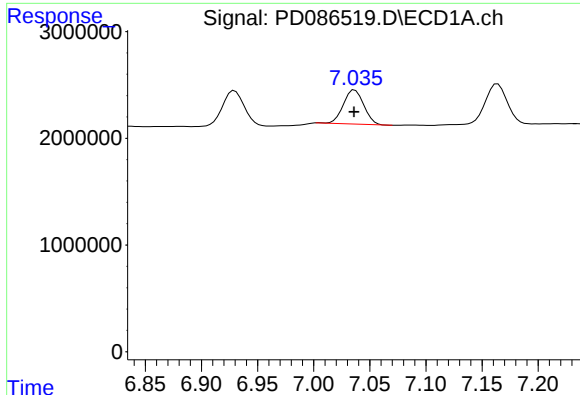
#16 4,4'-DDD

R.T.: 6.719 min  
Delta R.T.: 0.000 min  
Response: 7642133  
Conc: 4.23 ng/ml



#16 4,4'-DDD

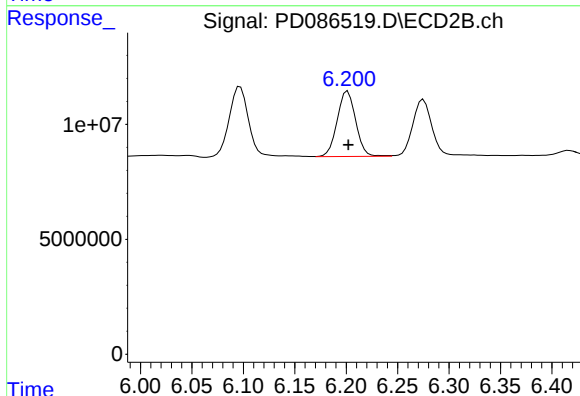
R.T.: 5.946 min  
Delta R.T.: 0.000 min  
Response: 33723150  
Conc: 3.06 ng/ml



#17 4,4'-DDT

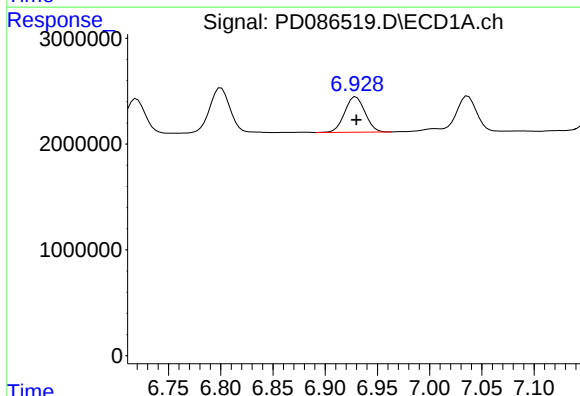
R.T.: 7.037 min  
Delta R.T.: 0.000 min  
Response: 4013257  
Conc: 2.19 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



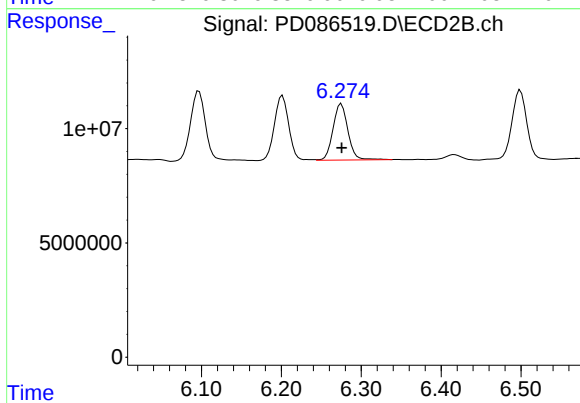
#17 4,4'-DDT

R.T.: 6.202 min  
Delta R.T.: 0.000 min  
Response: 35453215  
Conc: 3.06 ng/ml



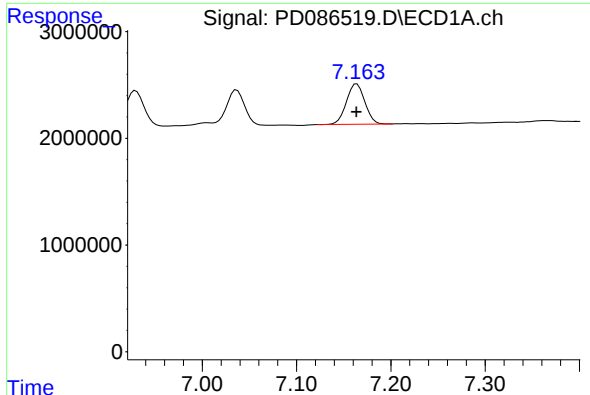
#18 Endrin aldehyde

R.T.: 6.930 min  
Delta R.T.: 0.000 min  
Response: 4540523  
Conc: 2.75 ng/ml



#18 Endrin aldehyde

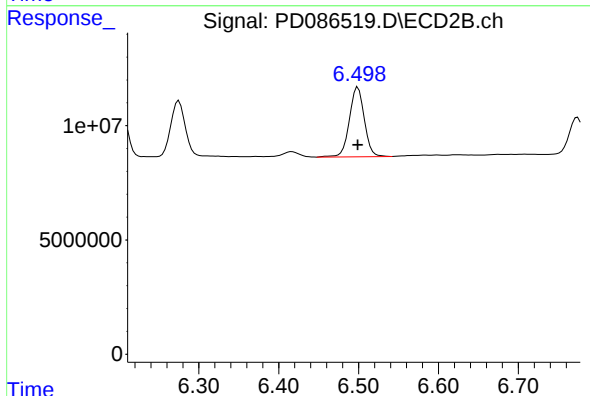
R.T.: 6.275 min  
Delta R.T.: 0.000 min  
Response: 31940809  
Conc: 3.41 ng/ml



#19 Endosulfan Sulfate

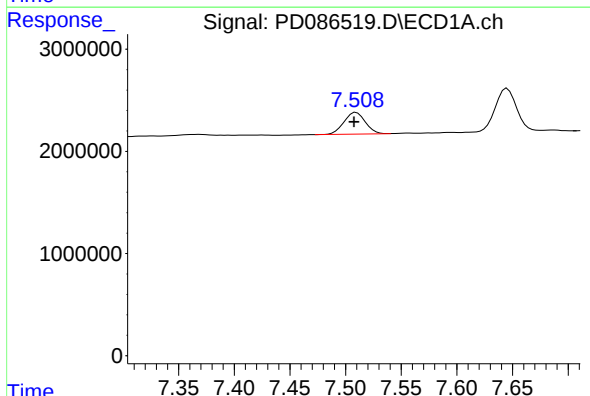
R.T.: 7.164 min  
Delta R.T.: 0.000 min  
Response: 5139666  
Conc: 2.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



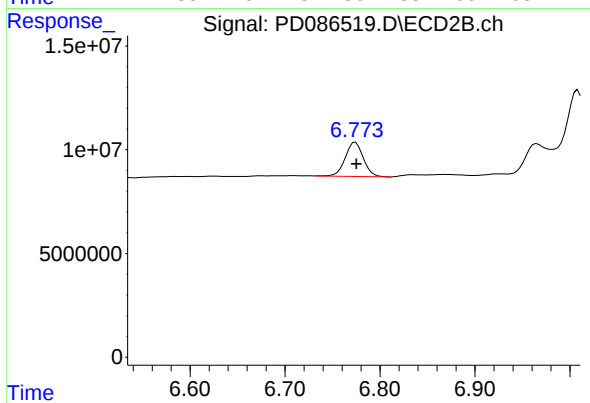
#19 Endosulfan Sulfate

R.T.: 6.499 min  
Delta R.T.: 0.000 min  
Response: 39705044  
Conc: 3.43 ng/ml



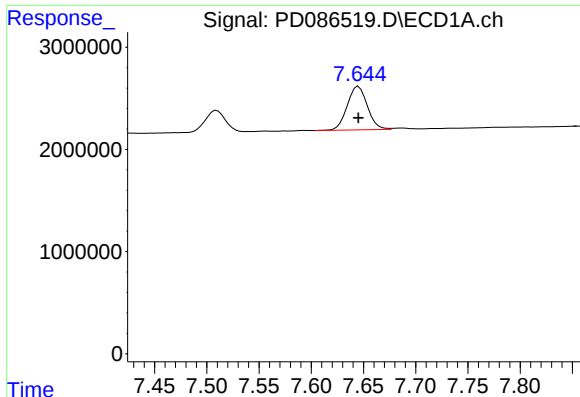
#20 Methoxychlor

R.T.: 7.510 min  
Delta R.T.: 0.002 min  
Response: 2854069  
Conc: 2.64 ng/ml



#20 Methoxychlor

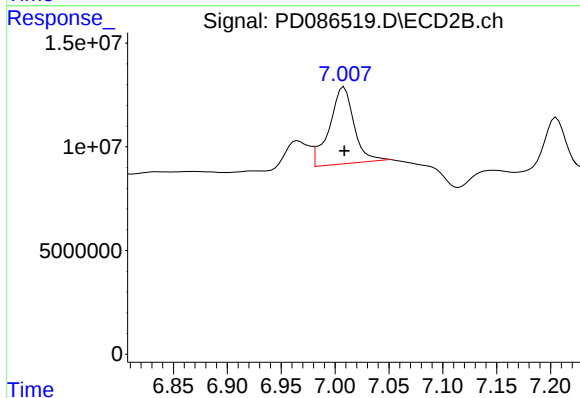
R.T.: 6.774 min  
Delta R.T.: -0.001 min  
Response: 21837265  
Conc: 3.46 ng/ml



#21 Endrin ketone

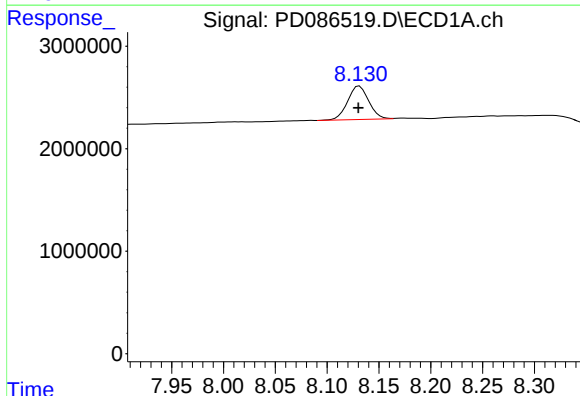
R.T.: 7.645 min  
Delta R.T.: 0.000 min  
Response: 5724610  
Conc: 2.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



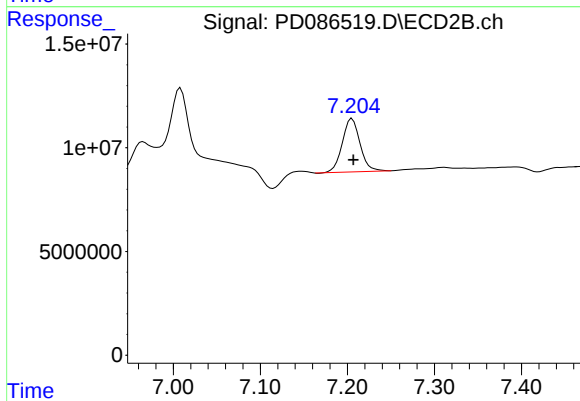
#21 Endrin ketone

R.T.: 7.008 min  
Delta R.T.: 0.000 min  
Response: 59031147  
Conc: 4.64 ng/ml



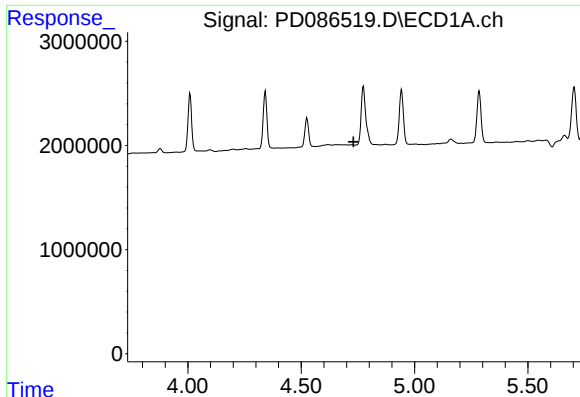
#22 Mirex

R.T.: 8.131 min  
Delta R.T.: 0.000 min  
Response: 4615629  
Conc: 2.79 ng/ml



#22 Mirex

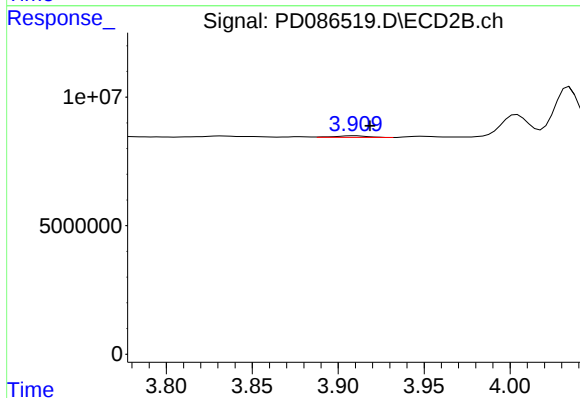
R.T.: 7.205 min  
Delta R.T.: -0.001 min  
Response: 36494333  
Conc: 3.51 ng/ml



#23 Chlordane-1

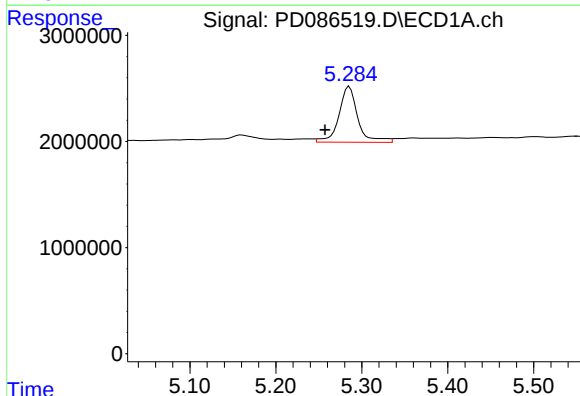
R.T.: 0.000 min  
Exp R.T.: 4.731 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



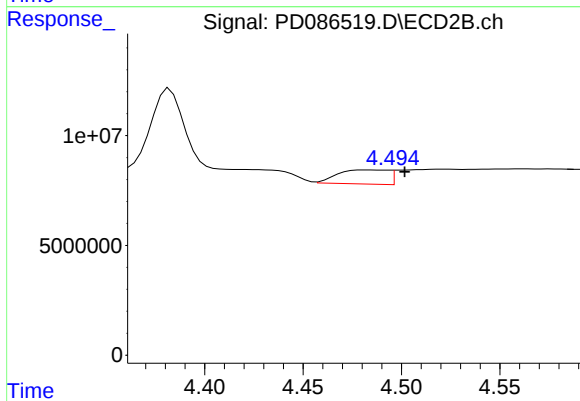
#23 Chlordane-1

R.T.: 3.910 min  
Delta R.T.: -0.009 min  
Response: 871120  
Conc: 1.87 ng/ml



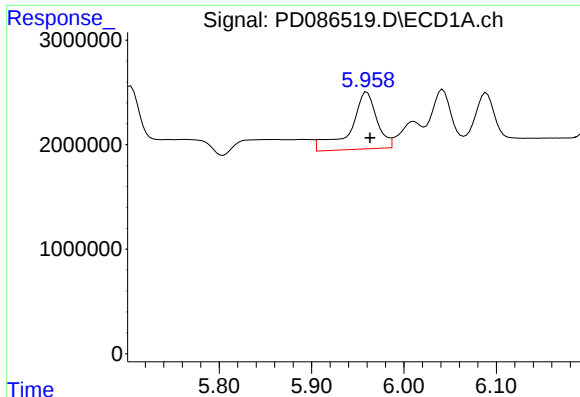
#24 Chlordane-2

R.T.: 5.285 min  
Delta R.T.: 0.028 min  
Response: 8022718  
Conc: 82.13 ng/ml



#24 Chlordane-2

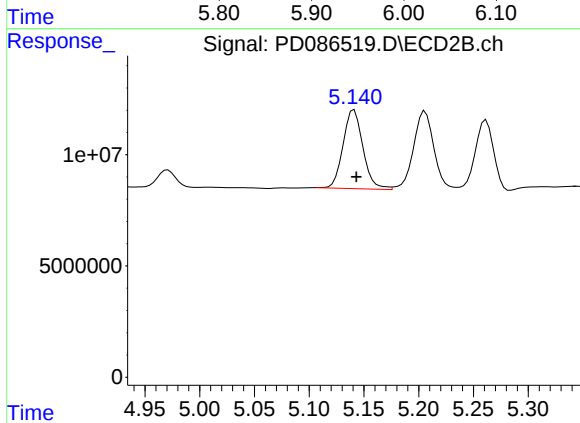
R.T.: 4.482 min  
Delta R.T.: -0.020 min  
Response: 11494729  
Conc: 23.20 ng/ml



#25 Chlordane-3

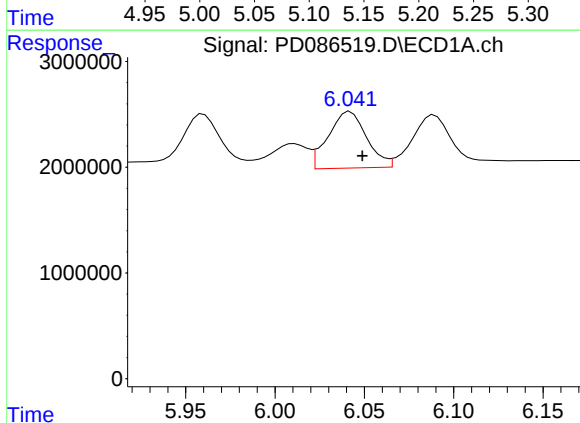
R.T.: 5.960 min  
Delta R.T.: -0.004 min  
Response: 10819306  
Conc: 28.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



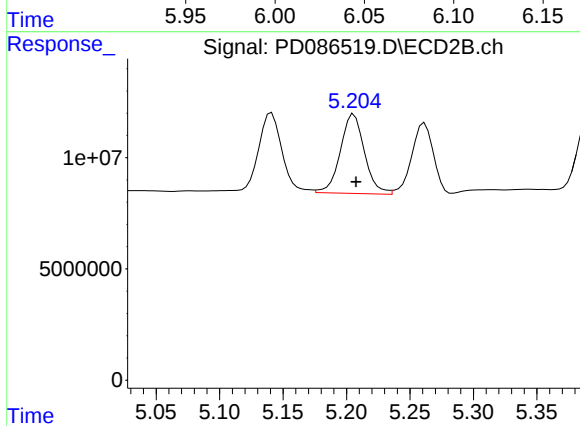
#25 Chlordane-3

R.T.: 5.141 min  
Delta R.T.: -0.002 min  
Response: 44817512  
Conc: 30.10 ng/ml



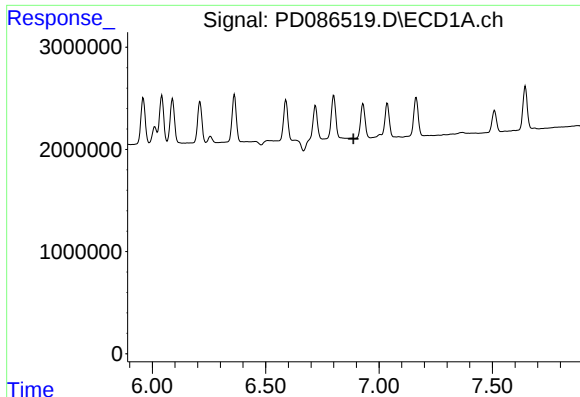
#26 Chlordane-4

R.T.: 6.042 min  
Delta R.T.: -0.007 min  
Response: 8017146  
Conc: 17.45 ng/ml



#26 Chlordane-4

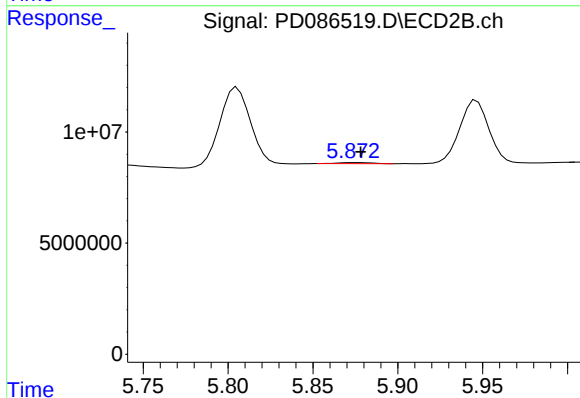
R.T.: 5.206 min  
Delta R.T.: -0.002 min  
Response: 47204952  
Conc: 37.58 ng/ml



#27 Chlordane-5

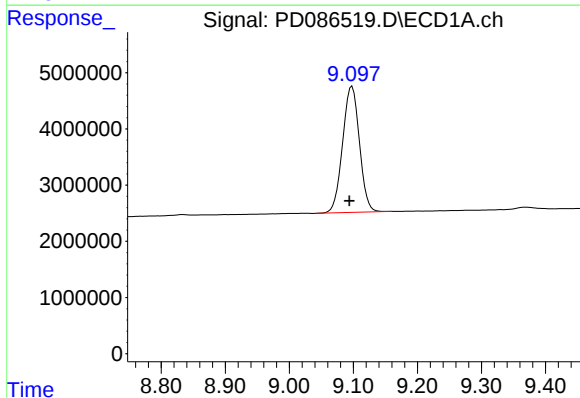
R.T.: 0.000 min  
Exp R.T.: 6.888 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2024



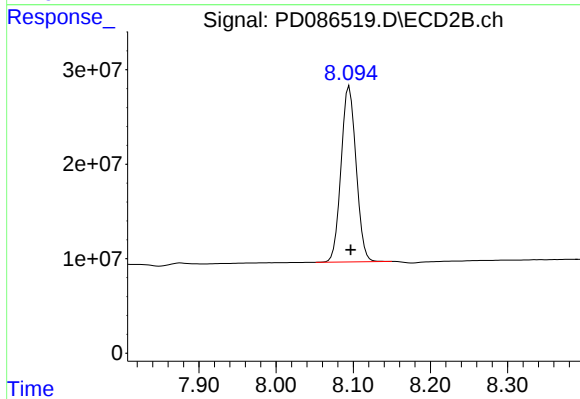
#27 Chlordane-5

R.T.: 5.874 min  
Delta R.T.: -0.004 min  
Response: 651009  
Conc: 1.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.098 min  
Delta R.T.: 0.004 min  
Response: 40892807  
Conc: 21.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.095 min  
Delta R.T.: -0.002 min  
Response: 251169499  
Conc: 23.45 ng/ml