

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111724\  
 Data File : PD086768.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 15 Nov 2024 11:07  
 Operator : AR\AJ  
 Sample : P4368-09  
 Misc : PEST MDL 1 PPB  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 MDL-WATER-03-QT4-2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 16 00:11:07 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... | 3.558  | 2.885 | 23870079 | 171.3E6  | 16.341 | 17.321   |
| 28)                         | SA Decachlor... | 9.093  | 8.093 | 35746204 | 192.2E6  | 18.646 | 17.945   |
| Target Compounds            |                 |        |       |          |          |        |          |
| 2)                          | A alpha-BHC     | 4.007  | 3.399 | 2297474  | 16304739 | 0.802  | 1.074 #  |
| 3)                          | MA gamma-BHC... | 4.339  | 3.737 | 2452081  | 16040306 | 0.856  | 1.097 #  |
| 4)                          | MA Heptachlor   | 4.940  | 4.093 | 2510585  | 15754256 | 0.918  | 1.118    |
| 5)                          | MB Aldrin       | 5.282  | 4.380 | 2560794  | 16425990 | 0.932  | 1.127    |
| 6)                          | B beta-BHC      | 4.523  | 4.033 | 1239807  | 7816122  | 1.085  | 1.226    |
| 7)                          | B delta-BHC     | 4.772  | 4.270 | 2843332  | 16202178 | 0.962  | 1.090    |
| 8)                          | B Heptachlo...  | 5.702  | 4.884 | 2446919  | 15652645 | 0.993  | 1.187    |
| 9)                          | A Endosulfan I  | 6.086  | 5.259 | 2320685  | 14780495 | 1.011  | 1.190    |
| 10)                         | B gamma-Chl...  | 5.956  | 5.138 | 2164046  | 15438133 | 0.899  | 1.134 #  |
| 11)                         | B alpha-Chl...  | 6.038  | 5.203 | 2450481  | 16561179 | 1.012  | 1.238    |
| 12)                         | B 4,4'-DDE      | 6.207  | 5.389 | 2061008  | 14894234 | 0.922  | 1.138    |
| 13)                         | MA Dieldrin     | 6.359  | 5.526 | 2372802  | 14214231 | 0.953  | 1.043    |
| 14)                         | MA Endrin       | 6.586  | 5.802 | 1977235  | 21264978 | 0.917  | 1.733 #  |
| 15)                         | B Endosulfa...  | 6.798  | 6.094 | 1984305  | 14500366 | 0.918  | 1.208 #  |
| 16)                         | A 4,4'-DDD      | 6.716  | 5.943 | 2155056  | 16395753 | 1.193  | 1.489    |
| 17)                         | MA 4,4'-DDT     | 7.033  | 6.199 | 1437428  | 10364318 | 0.785  | 0.894    |
| 18)                         | B Endrin al...  | 6.926  | 6.273 | 1854091  | 11686100 | 1.121  | 1.246    |
| 19)                         | B Endosulfa...  | 7.161  | 6.497 | 2046430  | 14122671 | 1.018  | 1.220    |
| 20)                         | A Methoxychlor  | 7.506  | 6.771 | 1010508  | 4872499  | 0.934  | 0.771    |
| 21)                         | B Endrin ke...  | 7.642  | 7.006 | 2338015  | 15200943 | 1.031  | 1.195    |
| 22)                         | Mirex           | 8.128  | 7.203 | 1956602  | 13296962 | 1.182  | 1.280    |
| 23)                         | Chlordane-1     | 0.000  | 3.917 | 0        | 294432   | N.D.   | 0.633 #  |
| 24)                         | Chlordane-2     | 5.282f | 4.515 | 2560794  | 220161   | 26.215 | 0.444 #  |
| 25)                         | Chlordane-3     | 5.956  | 5.138 | 2164046  | 15438133 | 5.720  | 10.369 # |
| 26)                         | Chlordane-4     | 6.038  | 5.203 | 2450481  | 16561179 | 5.334  | 13.184 # |
| 27)                         | Chlordane-5     | 0.000  | 5.883 | 0        | 2371978  | N.D.   | 5.810 #  |
| -----                       |                 |        |       |          |          |        |          |

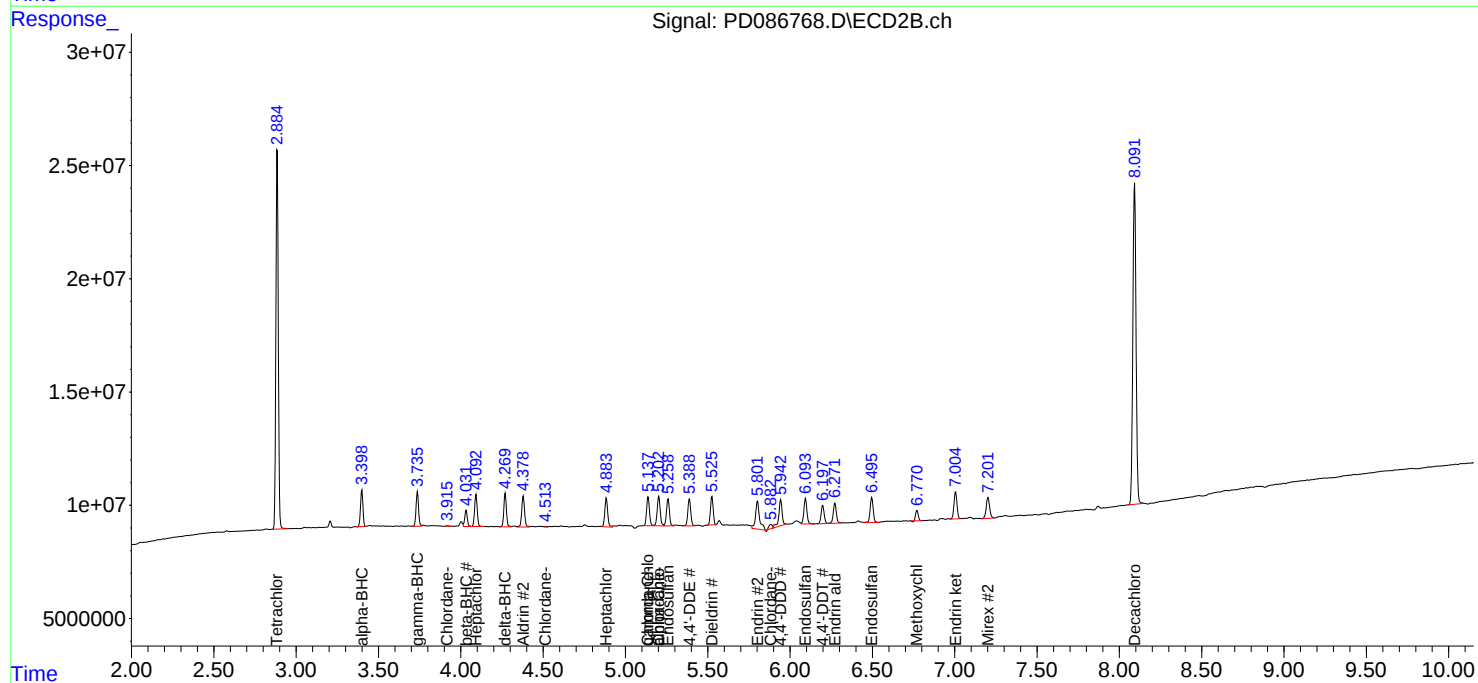
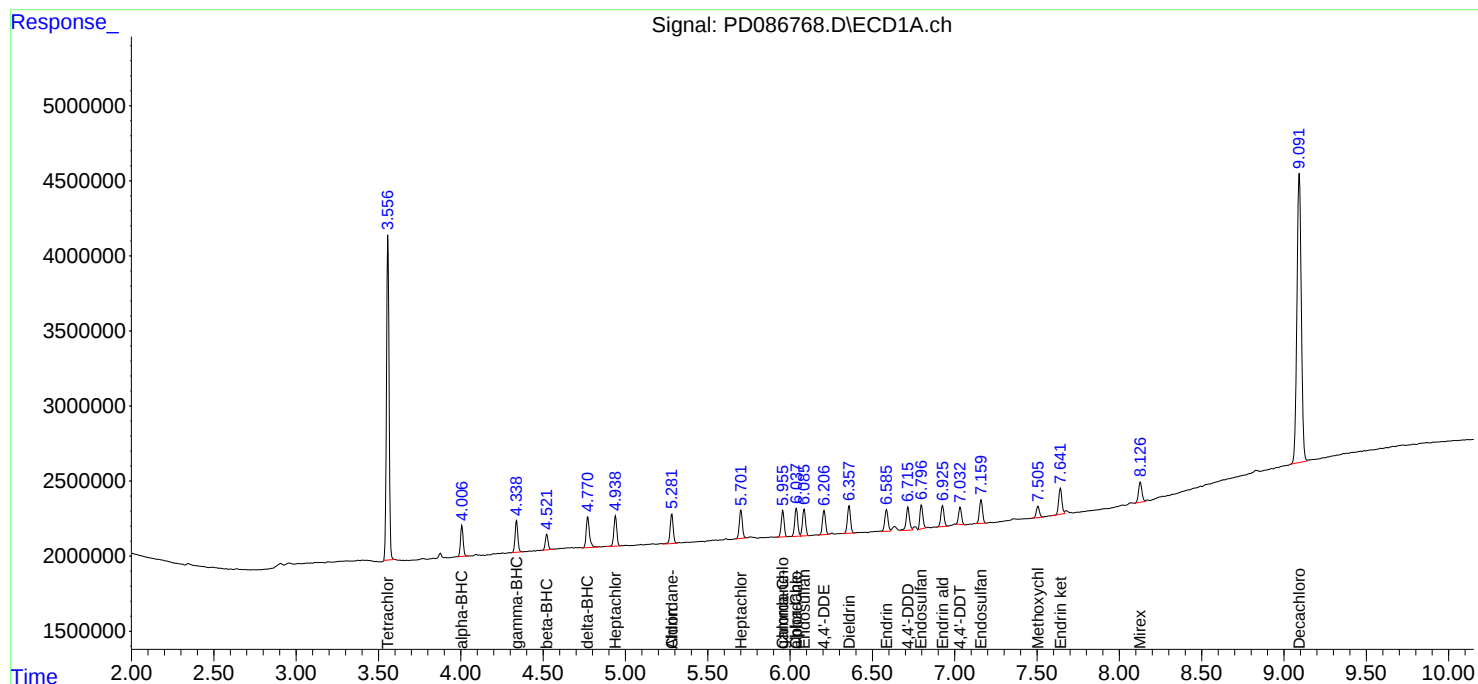
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

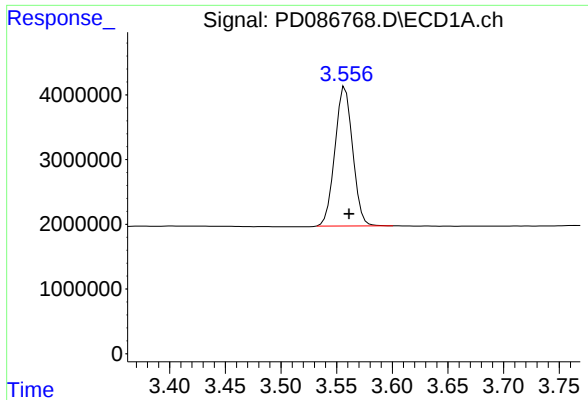
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111724\  
Data File : PD086768.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 15 Nov 2024 11:07  
Operator : AR\AJ  
Sample : P4368-09  
Misc : PEST MDL 1 PPB  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 16 00:11:07 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

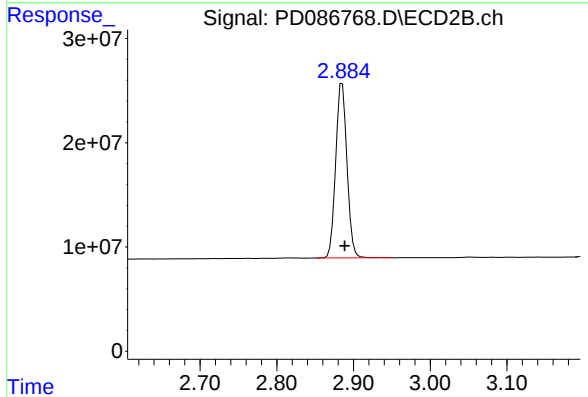




#1 Tetrachloro-m-xylene

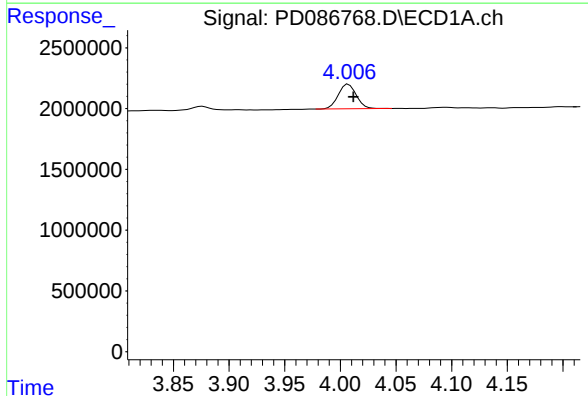
R.T.: 3.558 min  
Delta R.T.: -0.003 min  
Response: 23870079  
Conc: 16.34 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



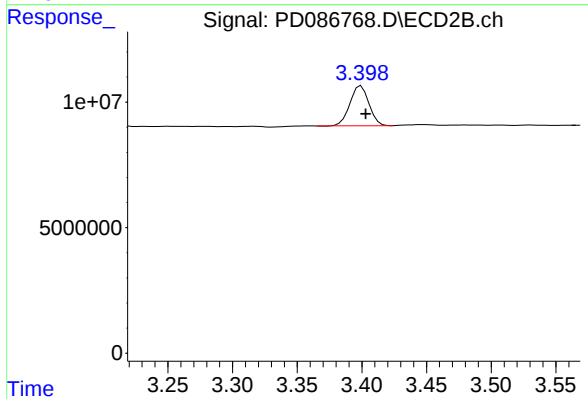
#1 Tetrachloro-m-xylene

R.T.: 2.885 min  
Delta R.T.: -0.003 min  
Response: 171289762  
Conc: 17.32 ng/ml



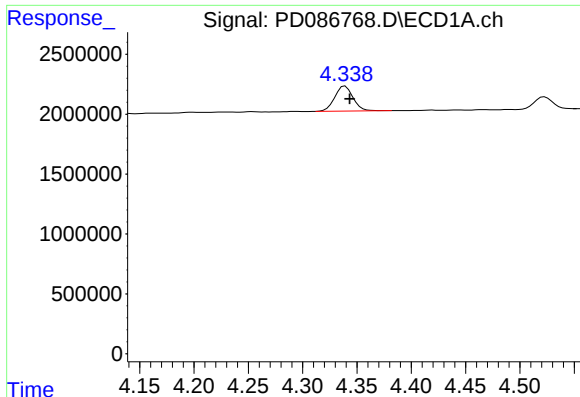
#2 alpha-BHC

R.T.: 4.007 min  
Delta R.T.: -0.005 min  
Response: 2297474  
Conc: 0.80 ng/ml



#2 alpha-BHC

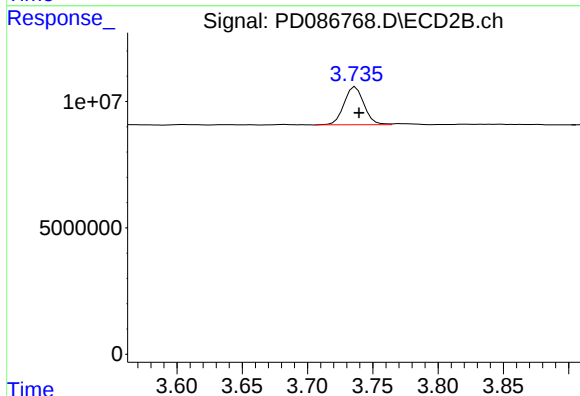
R.T.: 3.399 min  
Delta R.T.: -0.004 min  
Response: 16304739  
Conc: 1.07 ng/ml



#3 gamma-BHC (Lindane)

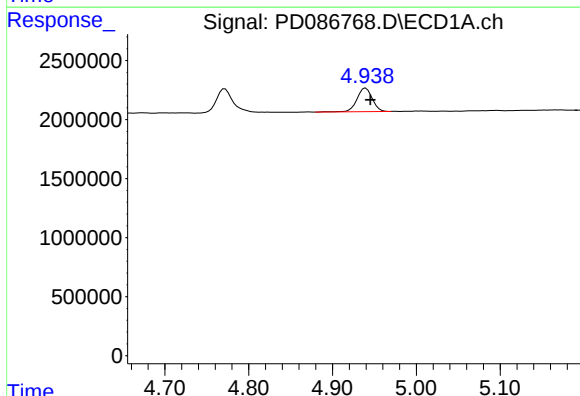
R.T.: 4.339 min  
Delta R.T.: -0.004 min  
Response: 2452081  
Conc: 0.86 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



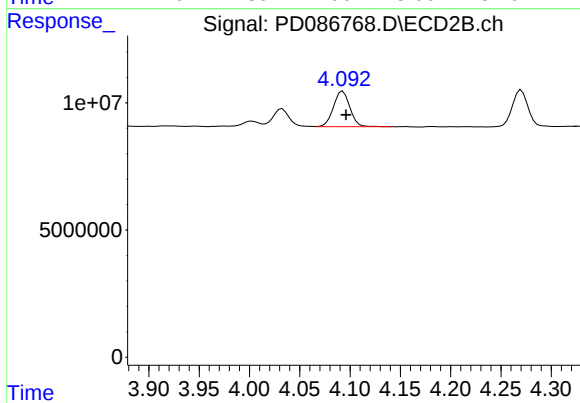
#3 gamma-BHC (Lindane)

R.T.: 3.737 min  
Delta R.T.: -0.003 min  
Response: 16040306  
Conc: 1.10 ng/ml



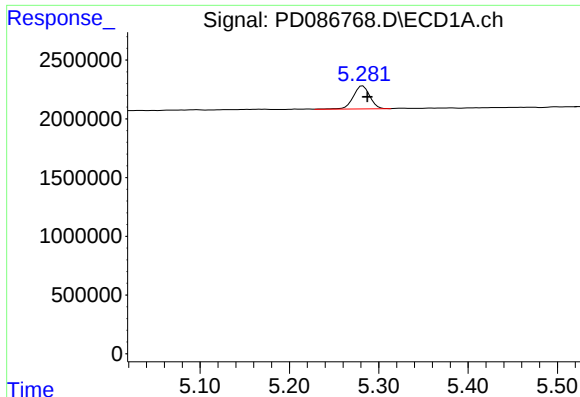
#4 Heptachlor

R.T.: 4.940 min  
Delta R.T.: -0.005 min  
Response: 2510585  
Conc: 0.92 ng/ml



#4 Heptachlor

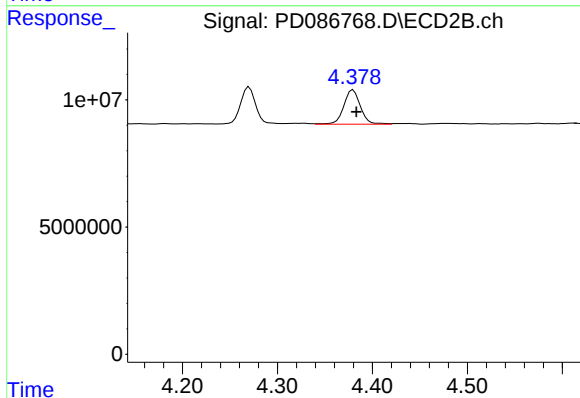
R.T.: 4.093 min  
Delta R.T.: -0.003 min  
Response: 15754256  
Conc: 1.12 ng/ml



#5 Aldrin

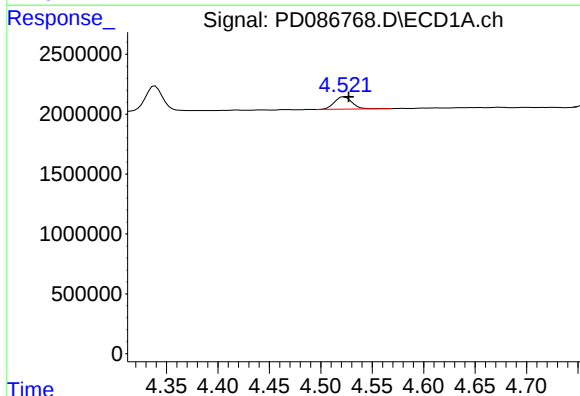
R.T.: 5.282 min  
Delta R.T.: -0.005 min  
Response: 2560794  
Conc: 0.93 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



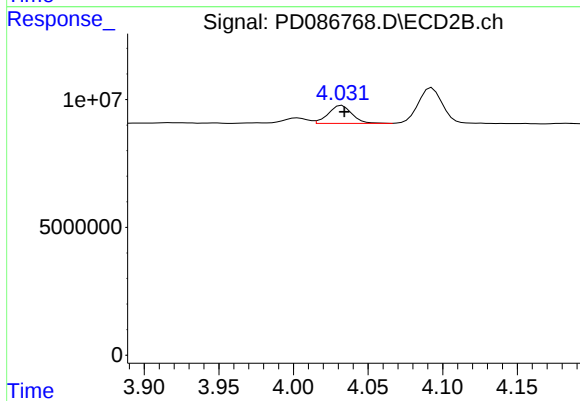
#5 Aldrin

R.T.: 4.380 min  
Delta R.T.: -0.003 min  
Response: 16425990  
Conc: 1.13 ng/ml



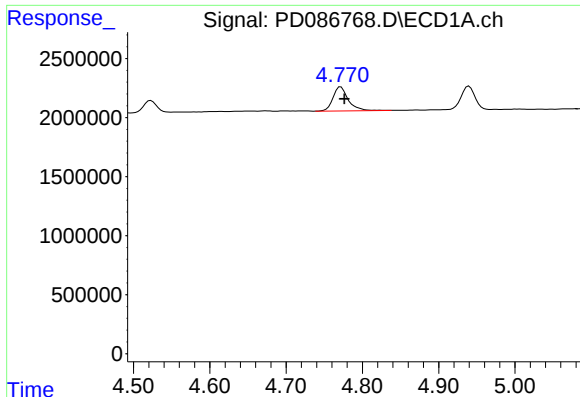
#6 beta-BHC

R.T.: 4.523 min  
Delta R.T.: -0.004 min  
Response: 1239807  
Conc: 1.08 ng/ml



#6 beta-BHC

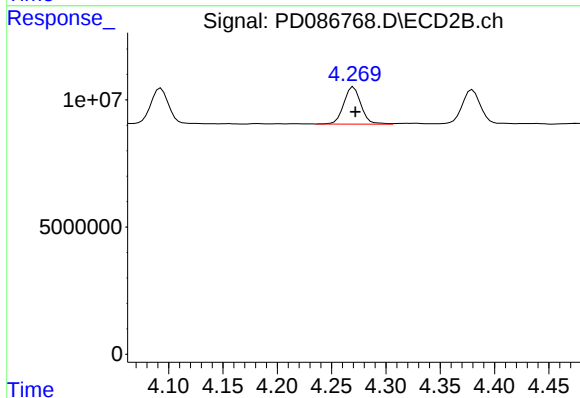
R.T.: 4.033 min  
Delta R.T.: -0.001 min  
Response: 7816122  
Conc: 1.23 ng/ml



#7 delta-BHC

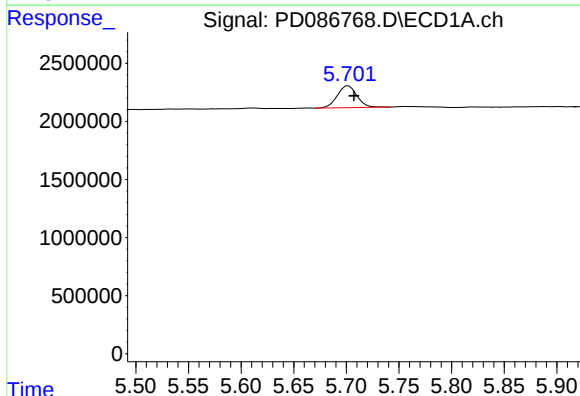
R.T.: 4.772 min  
Delta R.T.: -0.005 min  
Response: 2843332  
Conc: 0.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



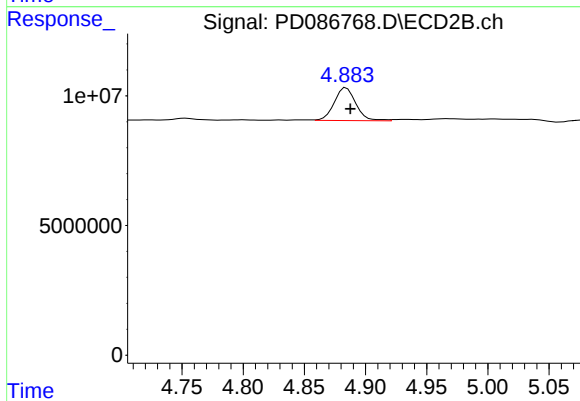
#7 delta-BHC

R.T.: 4.270 min  
Delta R.T.: -0.002 min  
Response: 16202178  
Conc: 1.09 ng/ml



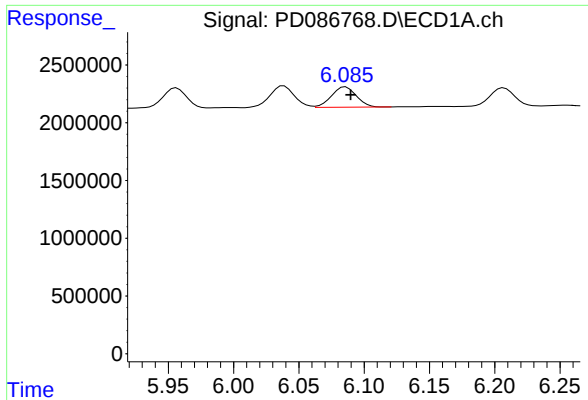
#8 Heptachlor epoxide

R.T.: 5.702 min  
Delta R.T.: -0.005 min  
Response: 2446919  
Conc: 0.99 ng/ml



#8 Heptachlor epoxide

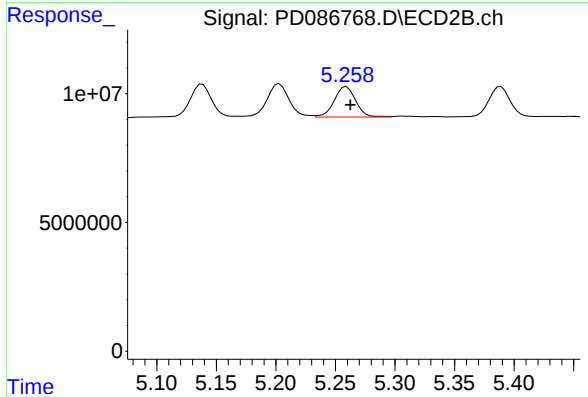
R.T.: 4.884 min  
Delta R.T.: -0.003 min  
Response: 15652645  
Conc: 1.19 ng/ml



#9 Endosulfan I

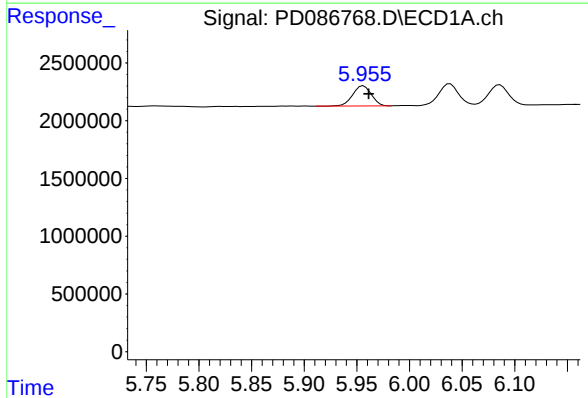
R.T.: 6.086 min  
Delta R.T.: -0.004 min  
Response: 2320685  
Conc: 1.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



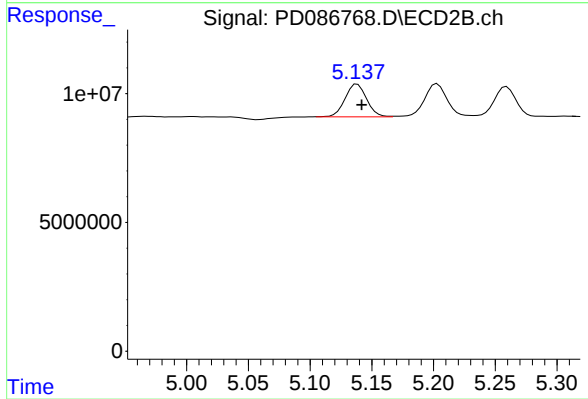
#9 Endosulfan I

R.T.: 5.259 min  
Delta R.T.: -0.003 min  
Response: 14780495  
Conc: 1.19 ng/ml



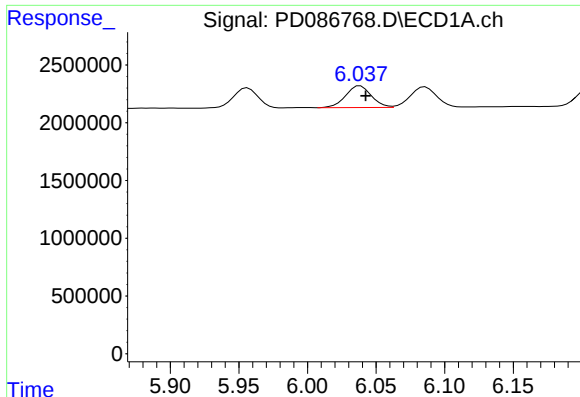
#10 gamma-Chlordane

R.T.: 5.956 min  
Delta R.T.: -0.005 min  
Response: 2164046  
Conc: 0.90 ng/ml



#10 gamma-Chlordane

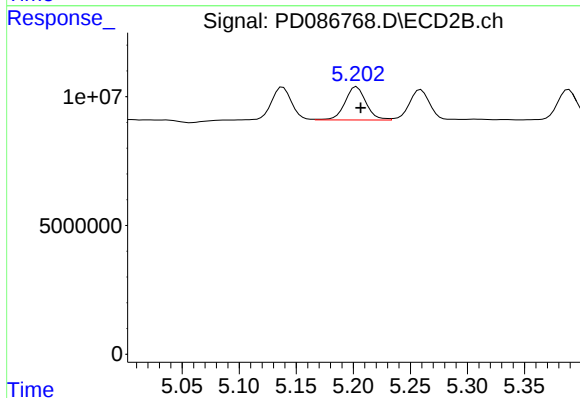
R.T.: 5.138 min  
Delta R.T.: -0.004 min  
Response: 15438133  
Conc: 1.13 ng/ml



#11 alpha-Chlordane

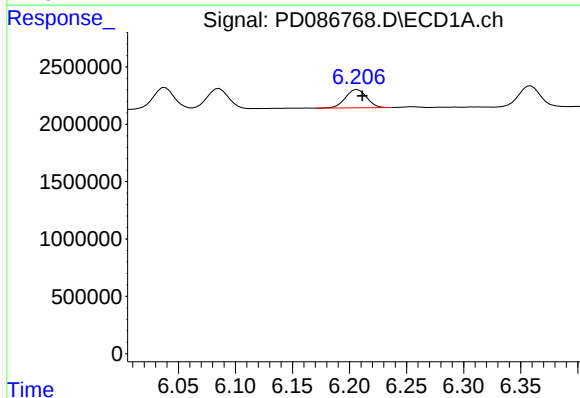
R.T.: 6.038 min  
Delta R.T.: -0.004 min  
Response: 2450481  
Conc: 1.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



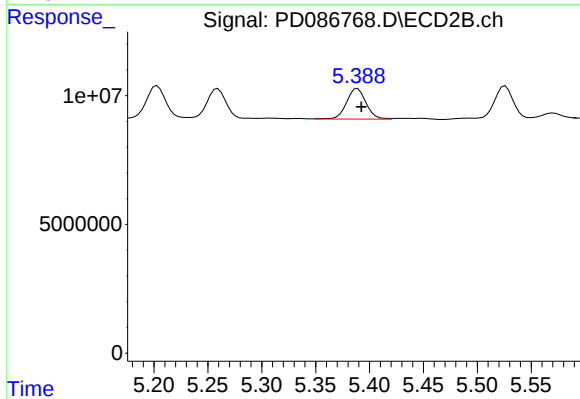
#11 alpha-Chlordane

R.T.: 5.203 min  
Delta R.T.: -0.004 min  
Response: 16561179  
Conc: 1.24 ng/ml



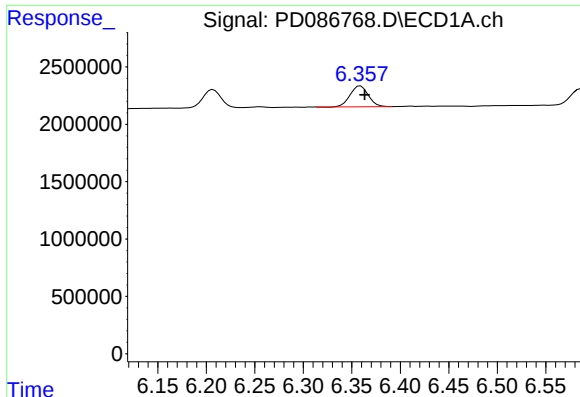
#12 4,4'-DDE

R.T.: 6.207 min  
Delta R.T.: -0.004 min  
Response: 2061008  
Conc: 0.92 ng/ml



#12 4,4'-DDE

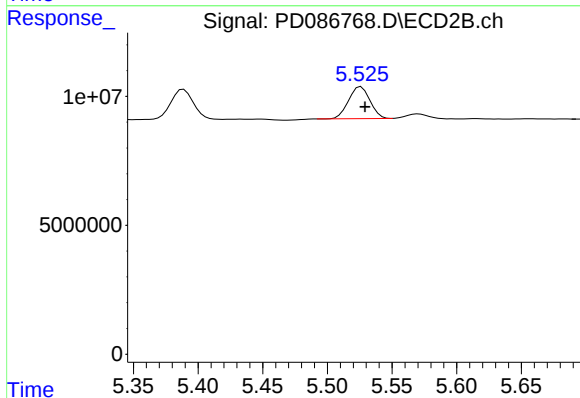
R.T.: 5.389 min  
Delta R.T.: -0.004 min  
Response: 14894234  
Conc: 1.14 ng/ml



#13 Dieldrin

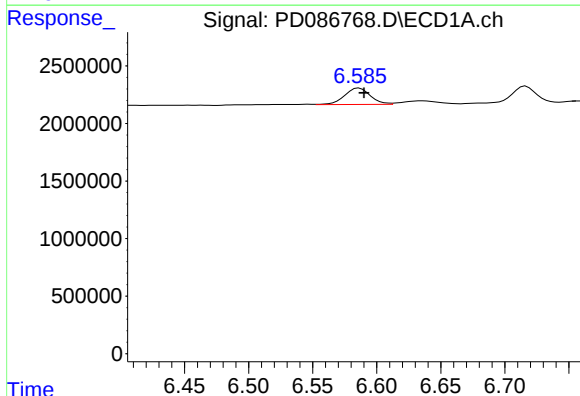
R.T.: 6.359 min  
Delta R.T.: -0.004 min  
Response: 2372802  
Conc: 0.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



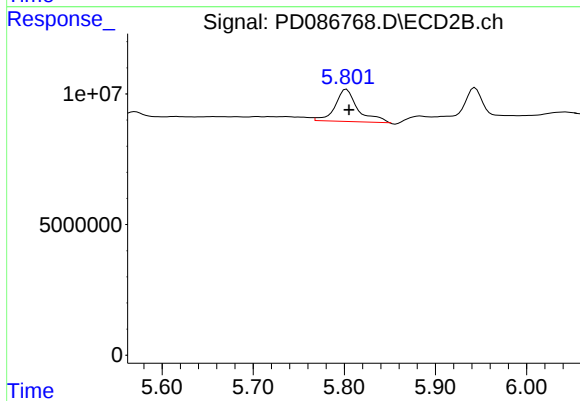
#13 Dieldrin

R.T.: 5.526 min  
Delta R.T.: -0.003 min  
Response: 14214231  
Conc: 1.04 ng/ml



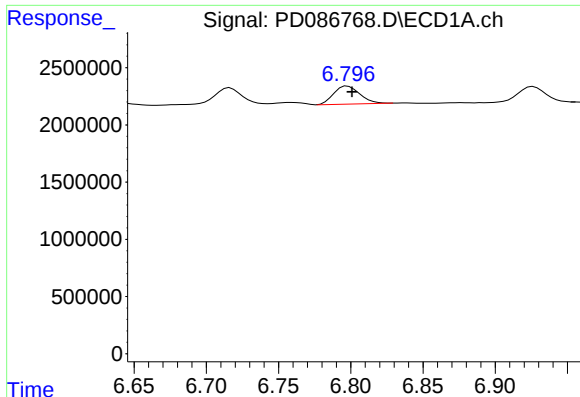
#14 Endrin

R.T.: 6.586 min  
Delta R.T.: -0.004 min  
Response: 1977235  
Conc: 0.92 ng/ml



#14 Endrin

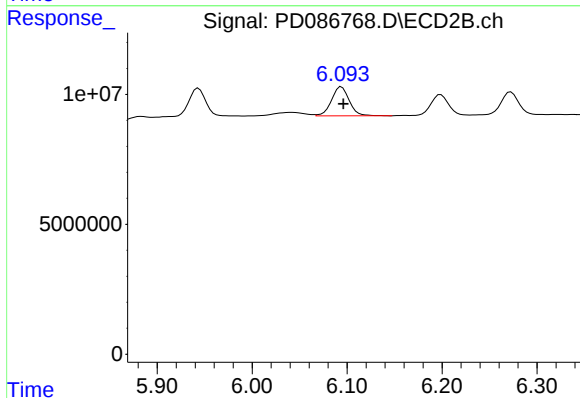
R.T.: 5.802 min  
Delta R.T.: -0.003 min  
Response: 21264978  
Conc: 1.73 ng/ml



#15 Endosulfan II

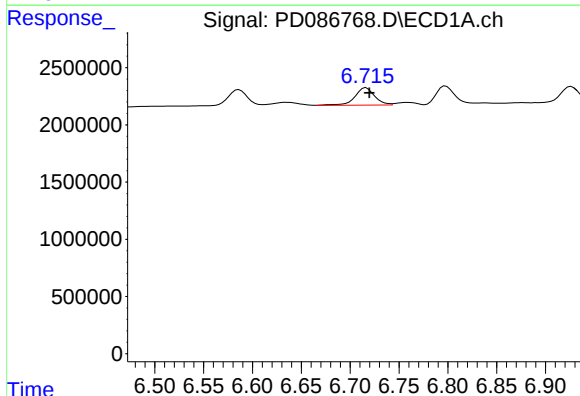
R.T.: 6.798 min  
Delta R.T.: -0.003 min  
Response: 1984305  
Conc: 0.92 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



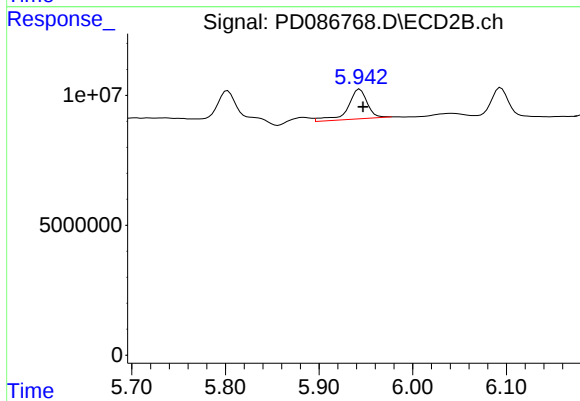
#15 Endosulfan II

R.T.: 6.094 min  
Delta R.T.: -0.002 min  
Response: 14500366  
Conc: 1.21 ng/ml



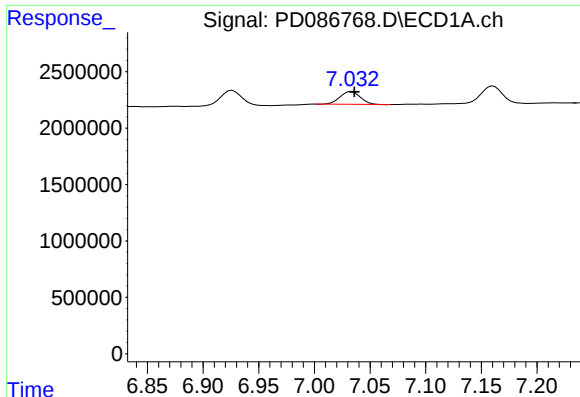
#16 4,4'-DDD

R.T.: 6.716 min  
Delta R.T.: -0.003 min  
Response: 2155056  
Conc: 1.19 ng/ml



#16 4,4'-DDD

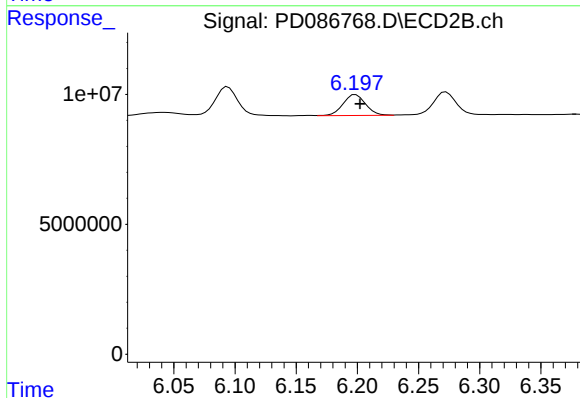
R.T.: 5.943 min  
Delta R.T.: -0.004 min  
Response: 16395753  
Conc: 1.49 ng/ml



#17 4,4'-DDT

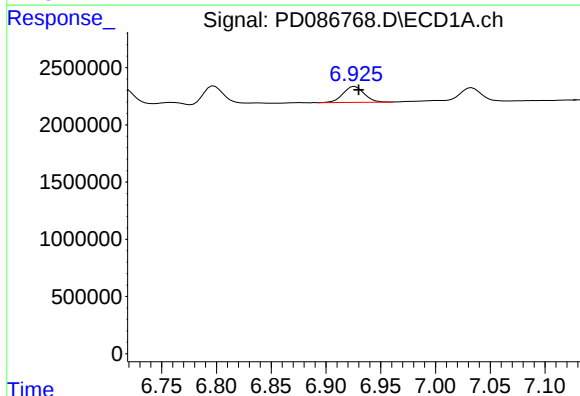
R.T.: 7.033 min  
Delta R.T.: -0.003 min  
Response: 1437428  
Conc: 0.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



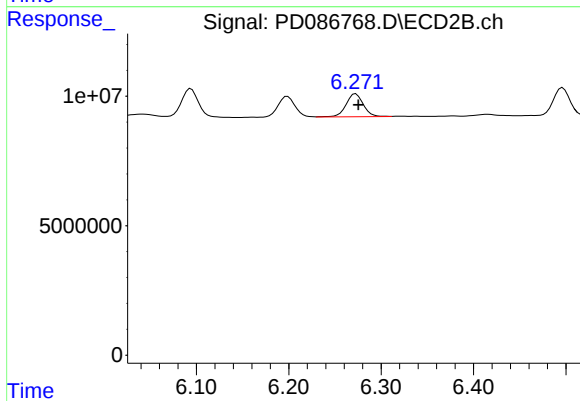
#17 4,4'-DDT

R.T.: 6.199 min  
Delta R.T.: -0.004 min  
Response: 10364318  
Conc: 0.89 ng/ml



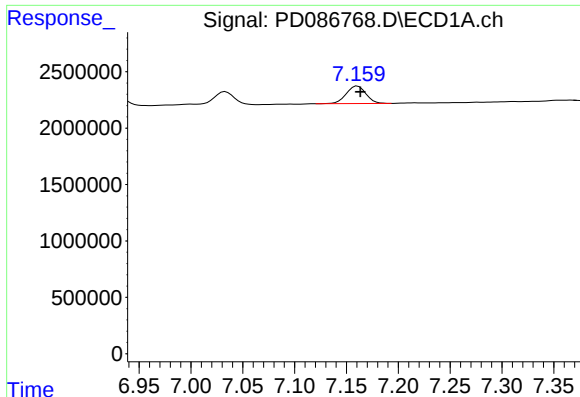
#18 Endrin aldehyde

R.T.: 6.926 min  
Delta R.T.: -0.003 min  
Response: 1854091  
Conc: 1.12 ng/ml



#18 Endrin aldehyde

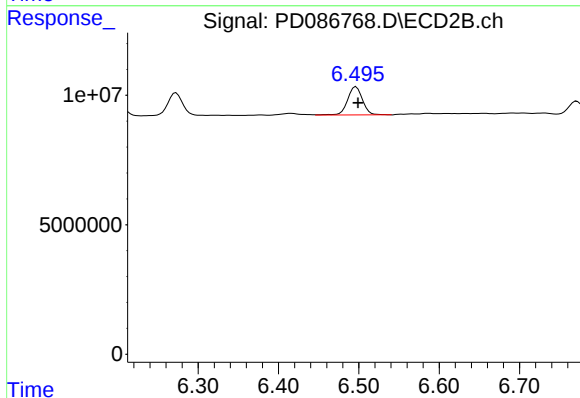
R.T.: 6.273 min  
Delta R.T.: -0.003 min  
Response: 11686100  
Conc: 1.25 ng/ml



#19 Endosulfan Sulfate

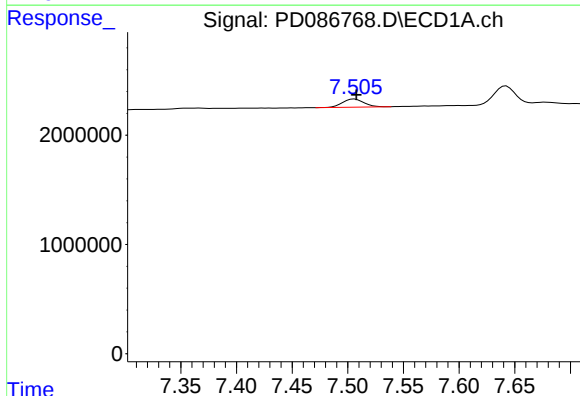
R.T.: 7.161 min  
Delta R.T.: -0.003 min  
Response: 2046430  
Conc: 1.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



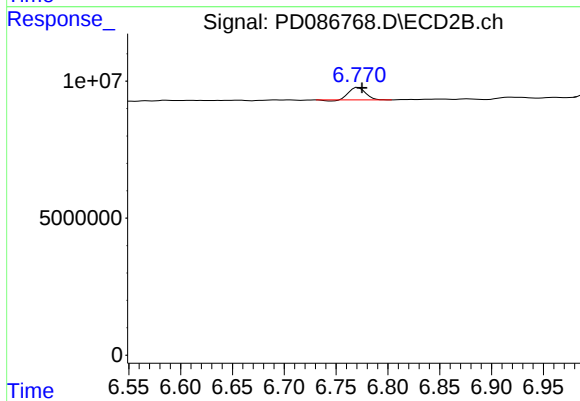
#19 Endosulfan Sulfate

R.T.: 6.497 min  
Delta R.T.: -0.003 min  
Response: 14122671  
Conc: 1.22 ng/ml



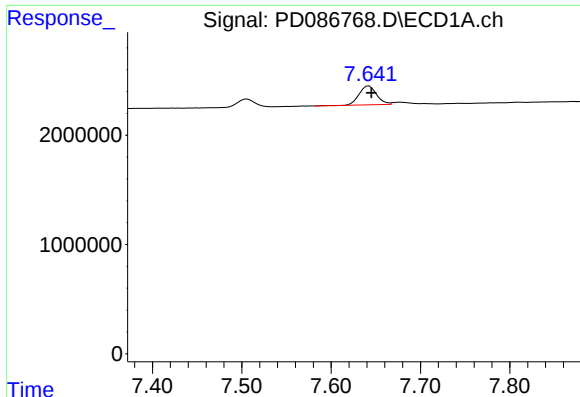
#20 Methoxychlor

R.T.: 7.506 min  
Delta R.T.: -0.002 min  
Response: 1010508  
Conc: 0.93 ng/ml



#20 Methoxychlor

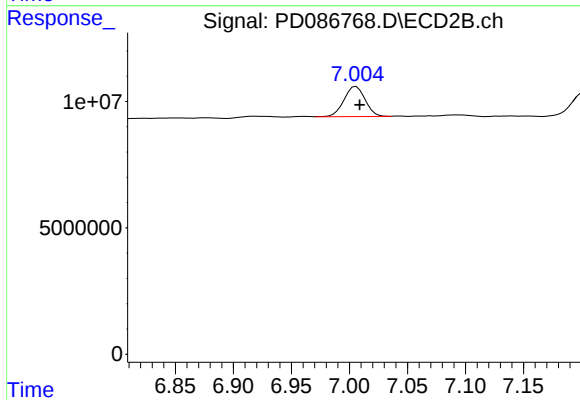
R.T.: 6.771 min  
Delta R.T.: -0.004 min  
Response: 4872499  
Conc: 0.77 ng/ml



#21 Endrin ketone

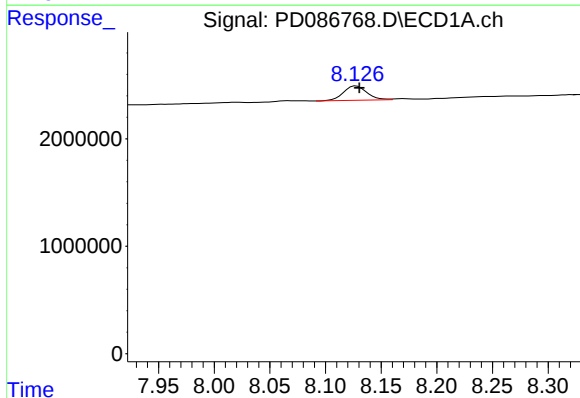
R.T.: 7.642 min  
Delta R.T.: -0.003 min  
Response: 2338015  
Conc: 1.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



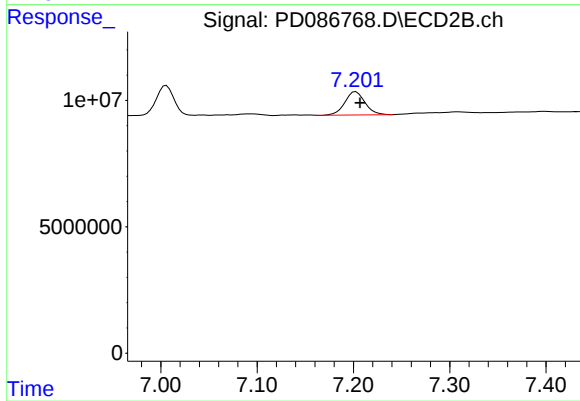
#21 Endrin ketone

R.T.: 7.006 min  
Delta R.T.: -0.003 min  
Response: 15200943  
Conc: 1.20 ng/ml



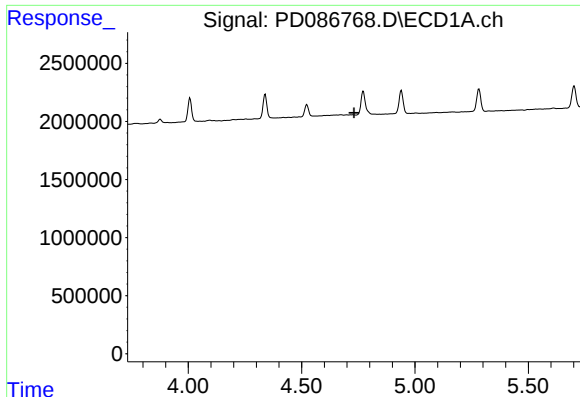
#22 Mirex

R.T.: 8.128 min  
Delta R.T.: -0.003 min  
Response: 1956602  
Conc: 1.18 ng/ml



#22 Mirex

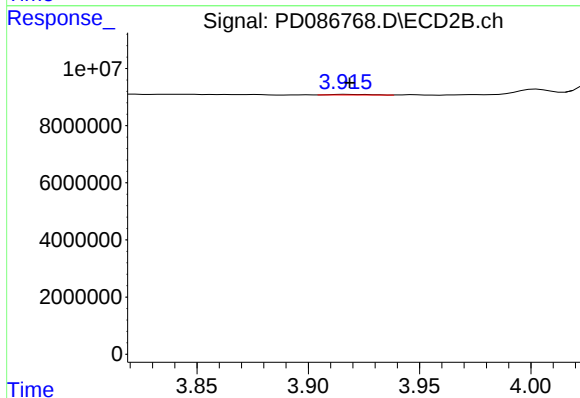
R.T.: 7.203 min  
Delta R.T.: -0.004 min  
Response: 13296962  
Conc: 1.28 ng/ml



#23 Chlordane-1

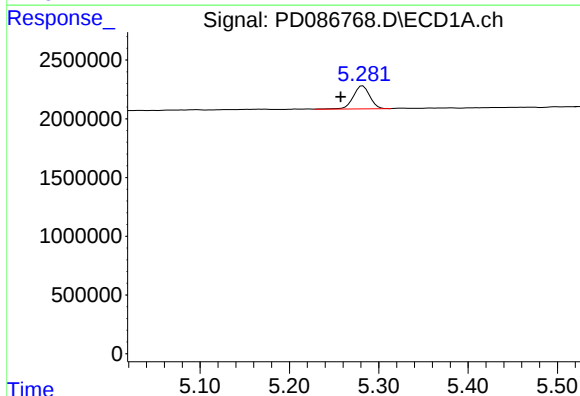
R.T.: 0.000 min  
Exp R.T.: 4.731 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



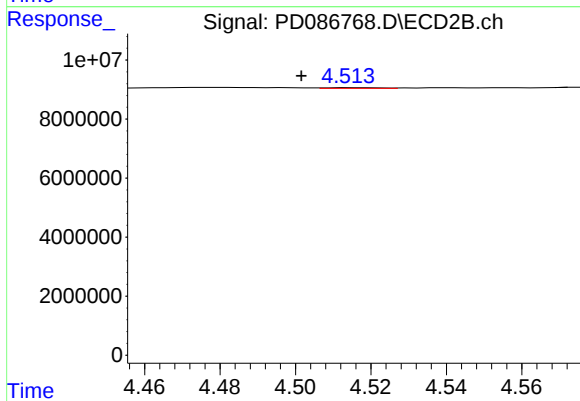
#23 Chlordane-1

R.T.: 3.917 min  
Delta R.T.: -0.002 min  
Response: 294432  
Conc: 0.63 ng/ml



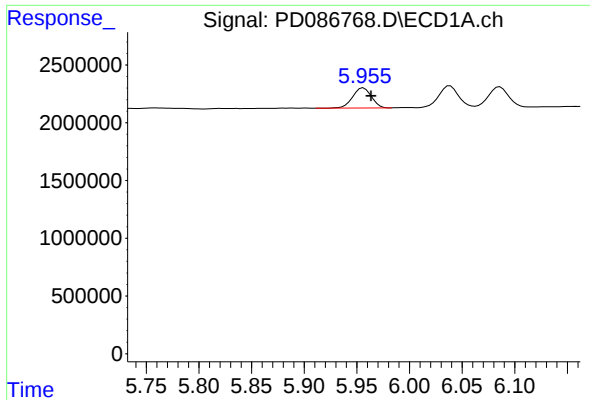
#24 Chlordane-2

R.T.: 5.282 min  
Delta R.T.: 0.025 min  
Response: 2560794  
Conc: 26.21 ng/ml



#24 Chlordane-2

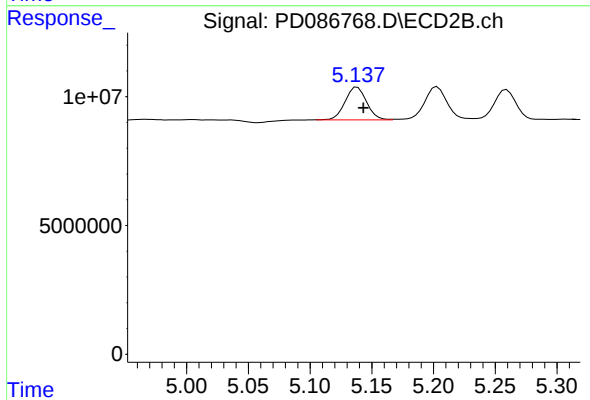
R.T.: 4.515 min  
Delta R.T.: 0.014 min  
Response: 220161  
Conc: 0.44 ng/ml



#25 Chlordane-3

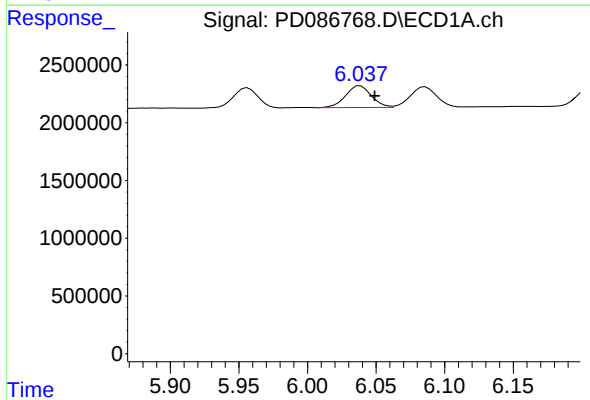
R.T.: 5.956 min  
Delta R.T.: -0.007 min  
Response: 2164046  
Conc: 5.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



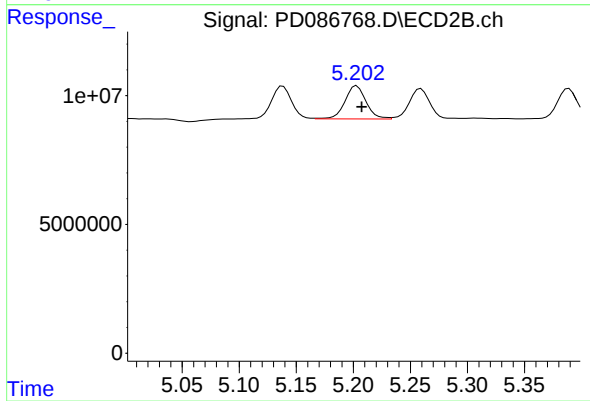
#25 Chlordane-3

R.T.: 5.138 min  
Delta R.T.: -0.005 min  
Response: 15438133  
Conc: 10.37 ng/ml



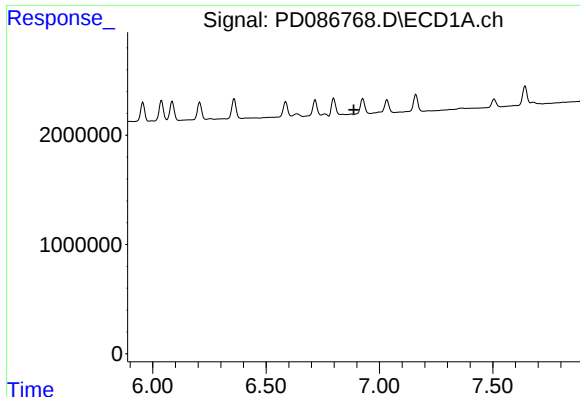
#26 Chlordane-4

R.T.: 6.038 min  
Delta R.T.: -0.011 min  
Response: 2450481  
Conc: 5.33 ng/ml



#26 Chlordane-4

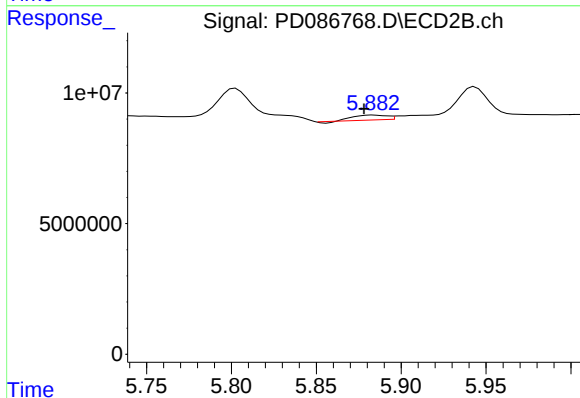
R.T.: 5.203 min  
Delta R.T.: -0.005 min  
Response: 16561179  
Conc: 13.18 ng/ml



#27 Chlordane-5

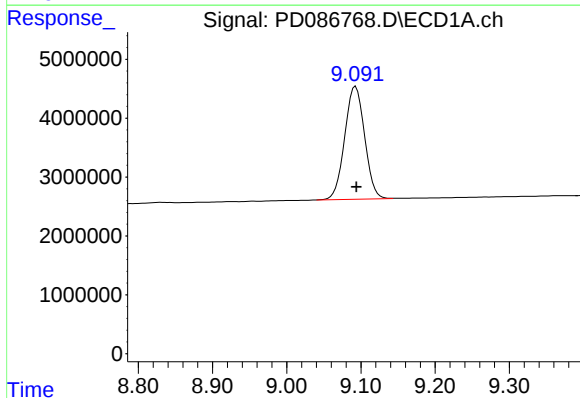
R.T.: 0.000 min  
Exp R.T.: 6.888 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT4-2024



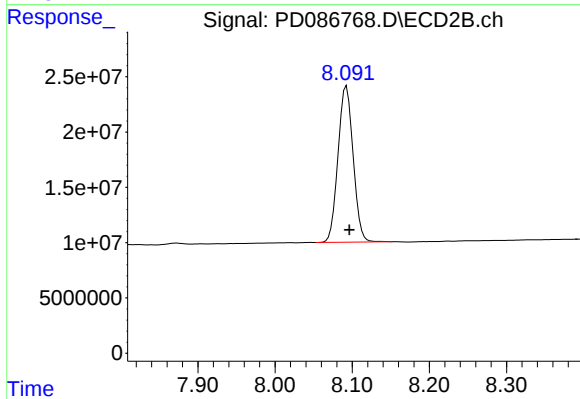
#27 Chlordane-5

R.T.: 5.883 min  
Delta R.T.: 0.005 min  
Response: 2371978  
Conc: 5.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.093 min  
Delta R.T.: -0.001 min  
Response: 35746204  
Conc: 18.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.093 min  
Delta R.T.: -0.004 min  
Response: 192229650  
Conc: 17.95 ng/ml