

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD081421\  
 Data File : PD064954.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 14 Aug 2021 08:18  
 Operator : AR\AJ  
 Sample : M2940-07  
 Misc : PEST LOD 1 PPB  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2021

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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 20 09:36:56 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081421.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Aug 20 09:35:23 2021  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 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 x 0.50µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|---------|
| -----                       |                 |       |       |          |          |        |         |
| System Monitoring Compounds |                 |       |       |          |          |        |         |
| 1)                          | SA Tetrachlo... | 3.508 | 4.020 | 29449866 | 326.0E6  | 15.069 | 16.051  |
| 28)                         | SA Decachlor... | 8.280 | 9.105 | 39571715 | 191.3E6  | 16.102 | 17.211  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.951 | 4.416 | 2053257  | 22894352 | 0.682  | 0.722   |
| 3)                          | MA gamma-BHC... | 4.237 | 4.702 | 2414647  | 19538193 | 0.857  | 0.679   |
| 4)                          | MA Heptachlor   | 4.537 | 5.207 | 1569663  | 21842871 | 0.535  | 0.736 # |
| 5)                          | MB Aldrin       | 4.787 | 5.513 | 1565307  | 20225004 | 0.542  | 0.718 # |
| 6)                          | B beta-BHC      | 4.487 | 4.884 | 1278666  | 9864363  | 1.028  | 0.733 # |
| 7)                          | B delta-BHC     | 4.693 | 5.095 | 1259775  | 19428873 | 0.449  | 0.687 # |
| 8)                          | B Heptachlo...  | 5.232 | 5.902 | 1455959  | 19722690 | 0.542  | 0.771 # |
| 9)                          | A Endosulfan I  | 5.572 | 6.261 | 1340044  | 16716363 | 0.529  | 0.708 # |
| 10)                         | B gamma-Chl...  | 5.458 | 6.137 | 1424478  | 20867460 | 0.515  | 0.799 # |
| 11)                         | B alpha-Chl...  | 5.517 | 6.209 | 1510155  | 18892571 | 0.552  | 0.745 # |
| 12)                         | B 4,4'-DDE      | 5.681 | 6.368 | 1420387  | 15256012 | 0.540  | 0.628   |
| 13)                         | MA Dieldrin     | 5.817 | 6.520 | 1427813  | 16880192 | 0.521  | 0.684 # |
| 14)                         | MA Endrin       | 6.075 | 6.739 | 1484306  | 11218319 | 0.617  | 0.576   |
| 15)                         | B Endosulfa...  | 6.348 | 6.953 | 1400899  | 12899597 | 0.613  | 0.672   |
| 16)                         | A 4,4'-DDD      | 6.200 | 6.863 | 1163170  | 14415093 | 0.505  | 0.759 # |
| 17)                         | MA 4,4'-DDT     | 6.439 | 7.161 | 1140289  | 11497421 | 0.475m | 0.577   |
| 18)                         | B Endrin al...  | 6.518 | 7.078 | 1185715  | 11918955 | 0.648  | 0.759   |
| 19)                         | B Endosulfa...  | 6.730 | 7.301 | 1734242  | 13102708 | 0.751m | 0.679   |
| 20)                         | A Methoxychlor  | 6.991 | 7.621 | 879246   | 6327176  | 0.627  | 0.666   |
| 21)                         | B Endrin ke...  | 7.227 | 7.775 | 1985387  | 12796934 | 0.690  | 0.671   |
| 22)                         | Mirex           | 7.414 | 8.224 | 1622650  | 9671611  | 0.731  | 0.767   |
| -----                       |                 |       |       |          |          |        |         |

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

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 Data File : PD064954.D  
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 Acq On : 14 Aug 2021 08:18  
 Operator : AR\AJ  
 Sample : M2940-07  
 Misc : PEST LOD 1 PPB  
 ALS Vial : 47 Sample Multiplier: 1

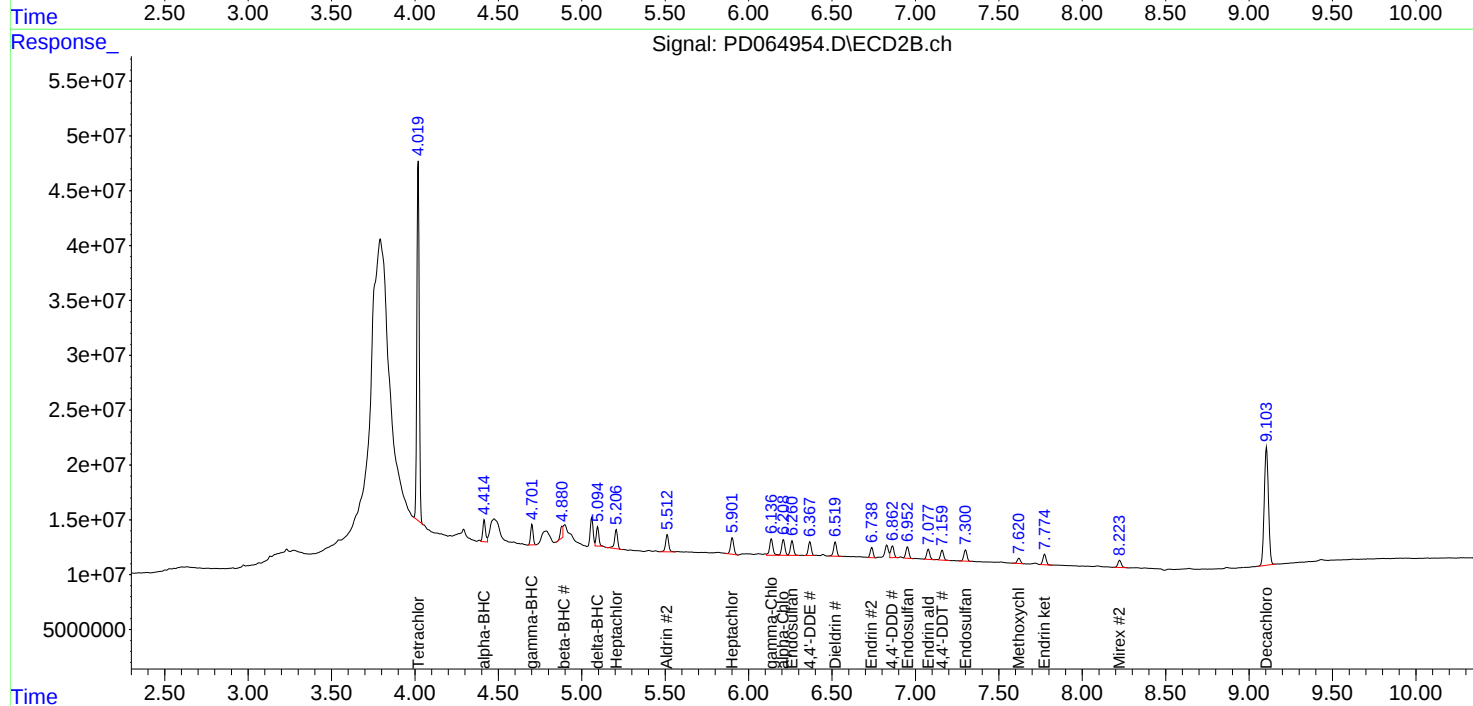
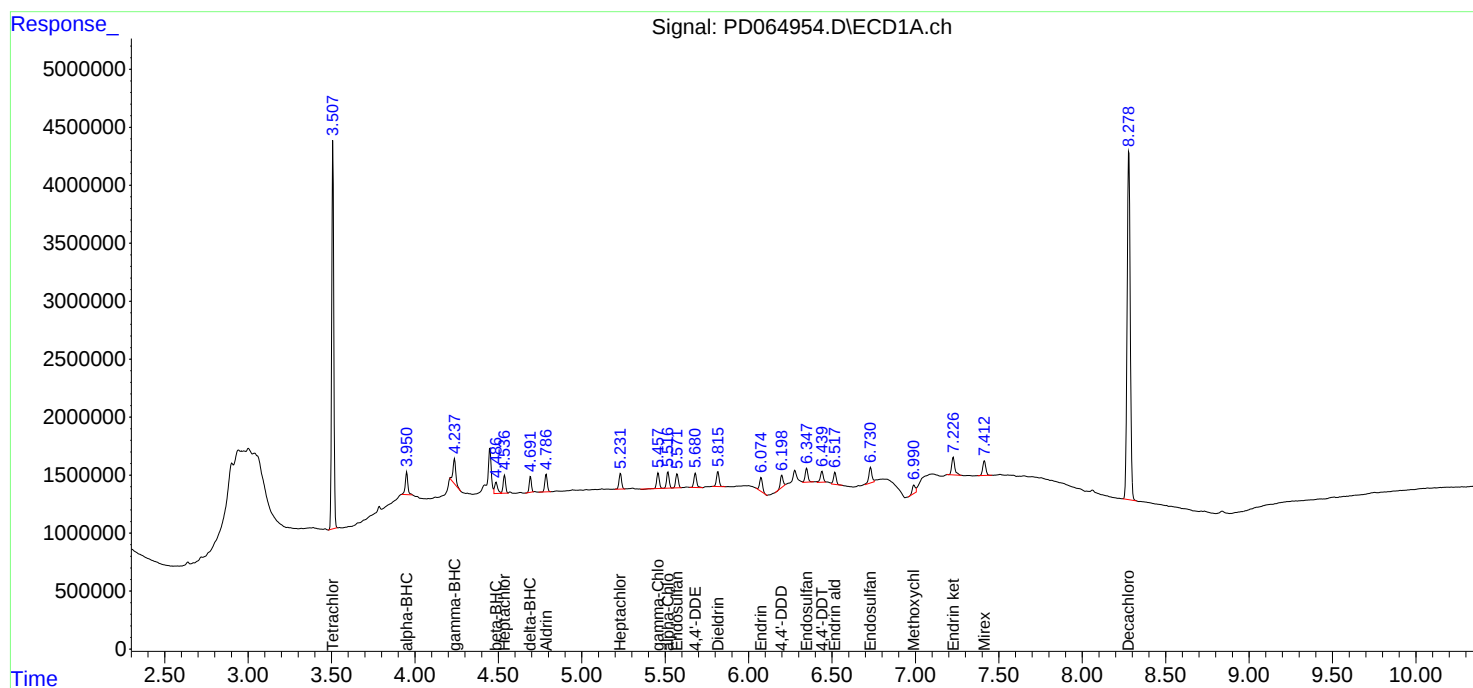
Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2021

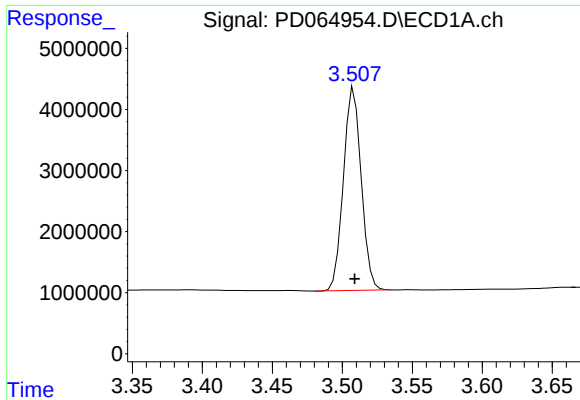
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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 20 09:36:56 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081421.M  
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Volume Inj. : 2 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 x 0.50µm





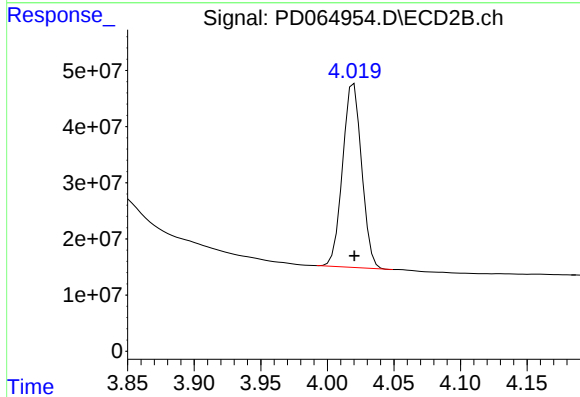
#1 Tetrachloro-m-xylene

R.T.: 3.508 min  
Delta R.T.: 0.000 min  
Response: 29449866  
Conc: 15.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2021

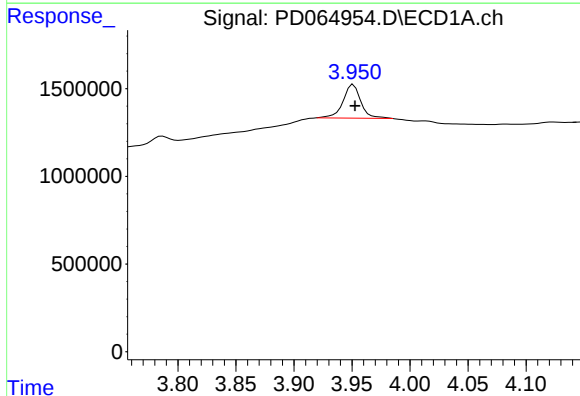
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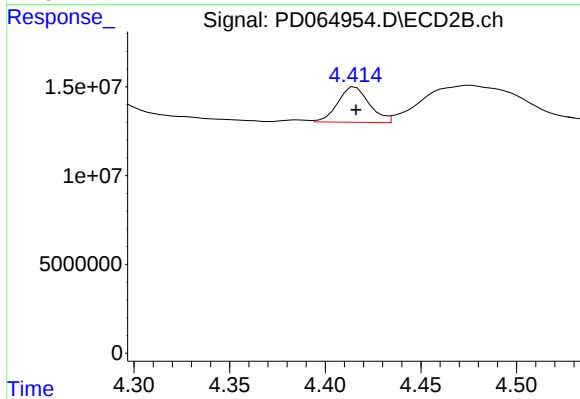
#1 Tetrachloro-m-xylene

R.T.: 4.020 min  
Delta R.T.: 0.000 min  
Response: 325950266  
Conc: 16.05 ng/ml



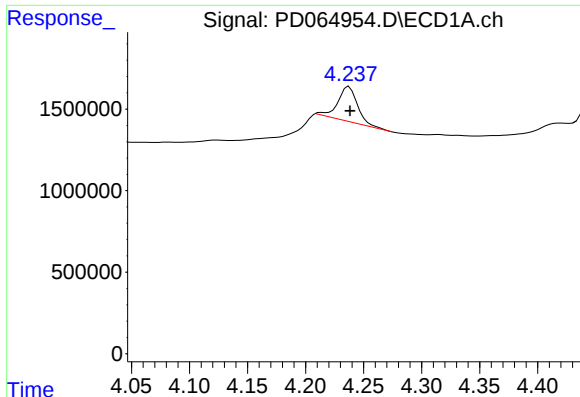
#2 alpha-BHC

R.T.: 3.951 min  
Delta R.T.: -0.002 min  
Response: 2053257  
Conc: 0.68 ng/ml



#2 alpha-BHC

R.T.: 4.416 min  
Delta R.T.: 0.000 min  
Response: 22894352  
Conc: 0.72 ng/ml



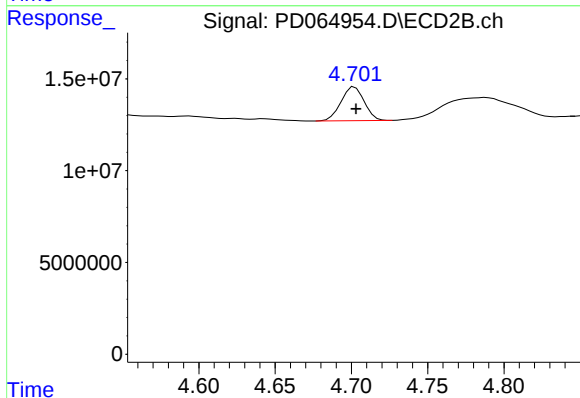
#3 gamma-BHC (Lindane)

R.T.: 4.237 min  
Delta R.T.: 0.000 min  
Response: 2414647  
Conc: 0.86 ng/ml

Instrument :  
ECD\_D  
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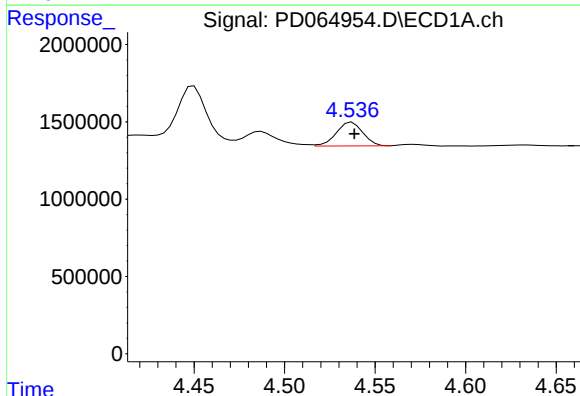
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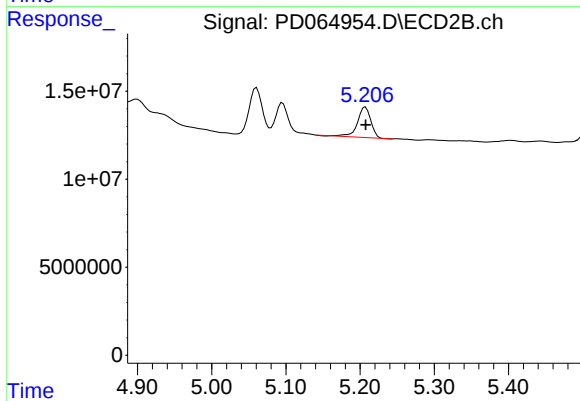
#3 gamma-BHC (Lindane)

R.T.: 4.702 min  
Delta R.T.: 0.000 min  
Response: 19538193  
Conc: 0.68 ng/ml



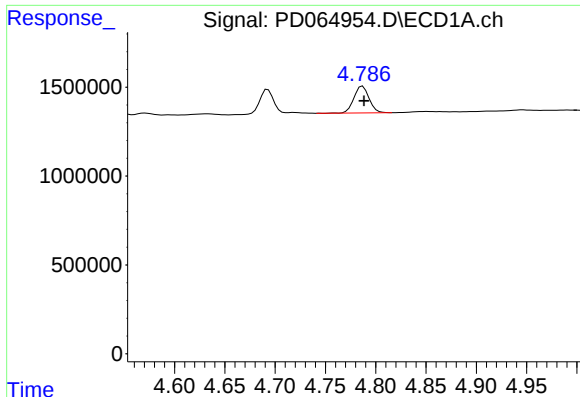
#4 Heptachlor

R.T.: 4.537 min  
Delta R.T.: -0.001 min  
Response: 1569663  
Conc: 0.54 ng/ml



#4 Heptachlor

R.T.: 5.207 min  
Delta R.T.: 0.000 min  
Response: 21842871  
Conc: 0.74 ng/ml



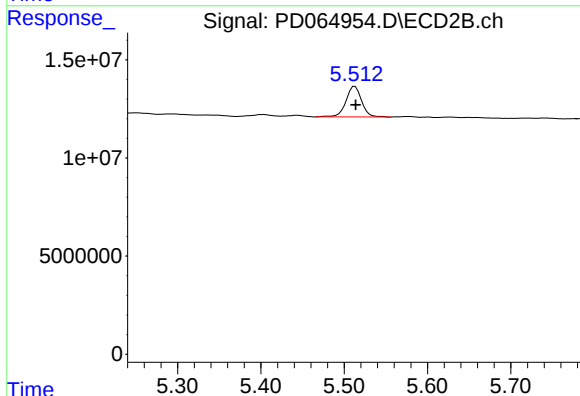
#5 Aldrin

R.T.: 4.787 min  
Delta R.T.: -0.001 min  
Response: 1565307  
Conc: 0.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2021

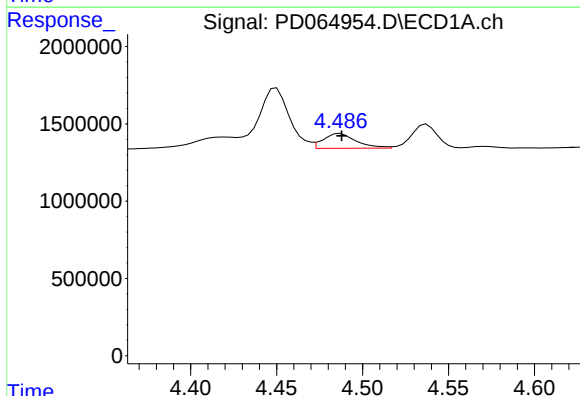
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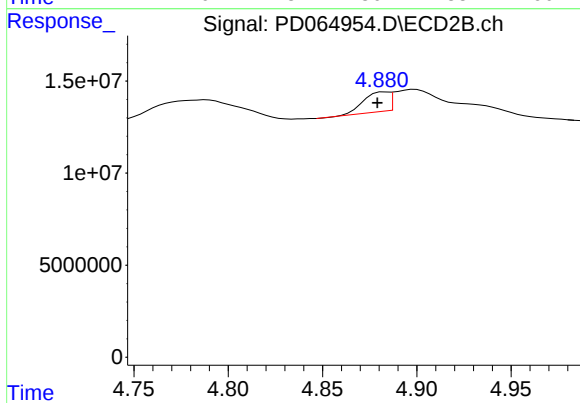
#5 Aldrin

R.T.: 5.513 min  
Delta R.T.: 0.000 min  
Response: 20225004  
Conc: 0.72 ng/ml



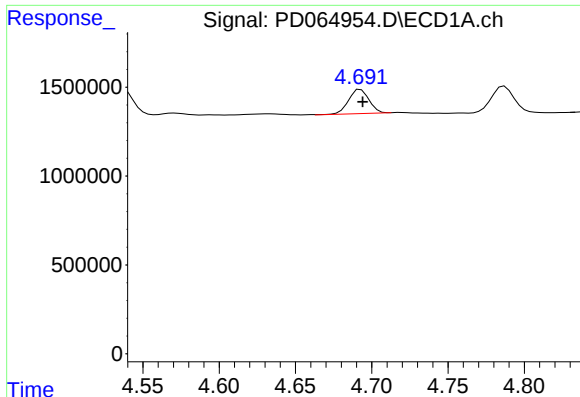
#6 beta-BHC

R.T.: 4.487 min  
Delta R.T.: 0.000 min  
Response: 1278666  
Conc: 1.03 ng/ml



#6 beta-BHC

R.T.: 4.884 min  
Delta R.T.: 0.005 min  
Response: 9864363  
Conc: 0.73 ng/ml



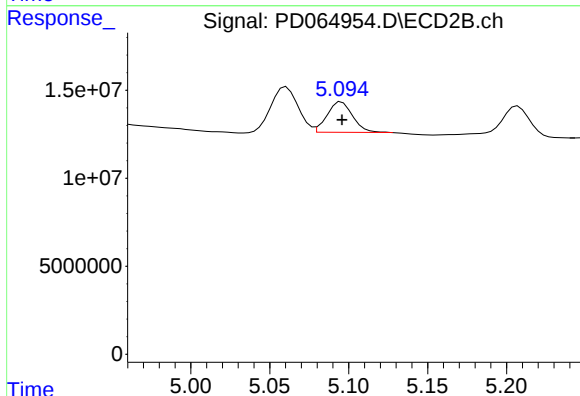
#7 delta-BHC

R.T.: 4.693 min  
Delta R.T.: -0.001 min  
Response: 1259775  
Conc: 0.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2021

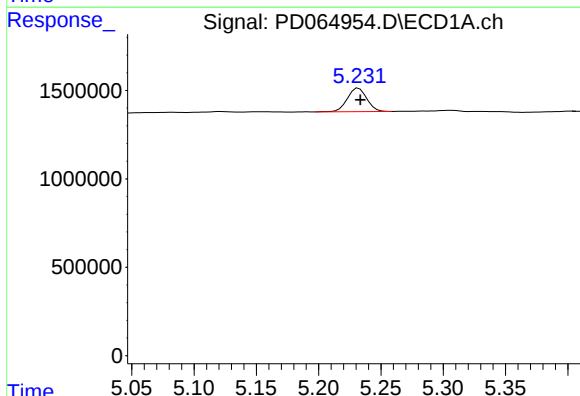
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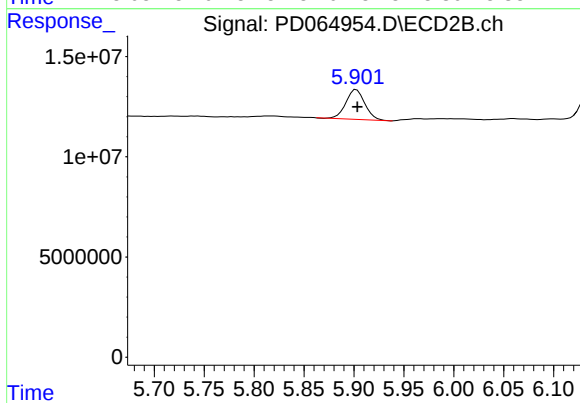
#7 delta-BHC

R.T.: 5.095 min  
Delta R.T.: 0.000 min  
Response: 19428873  
Conc: 0.69 ng/ml



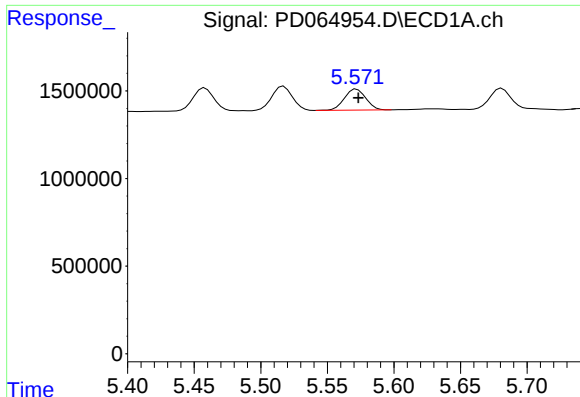
#8 Heptachlor epoxide

R.T.: 5.232 min  
Delta R.T.: -0.002 min  
Response: 1455959  
Conc: 0.54 ng/ml



#8 Heptachlor epoxide

R.T.: 5.902 min  
Delta R.T.: -0.001 min  
Response: 19722690  
Conc: 0.77 ng/ml



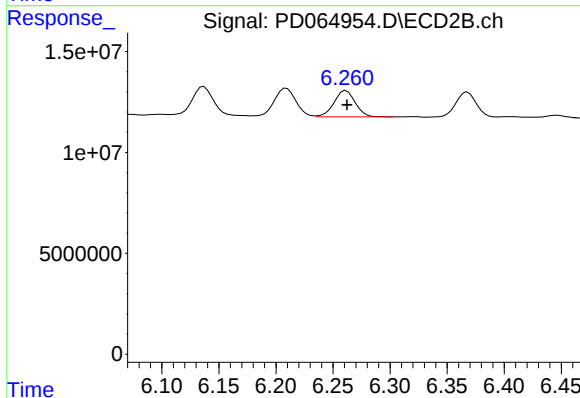
#9 Endosulfan I

R.T.: 5.572 min  
Delta R.T.: -0.001 min  
Response: 1340044  
Conc: 0.53 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2021

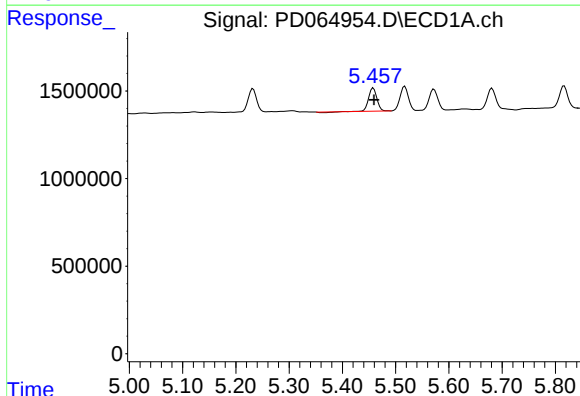
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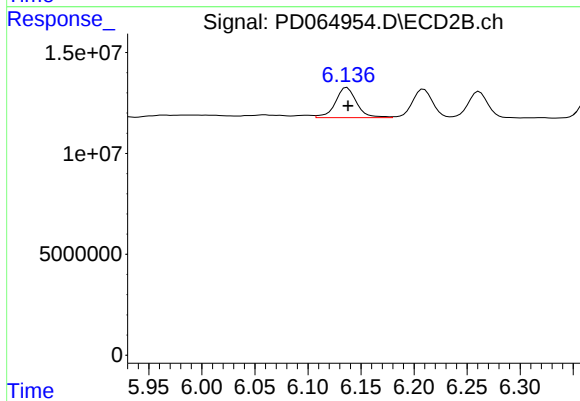
#9 Endosulfan I

R.T.: 6.261 min  
Delta R.T.: 0.000 min  
Response: 16716363  
Conc: 0.71 ng/ml



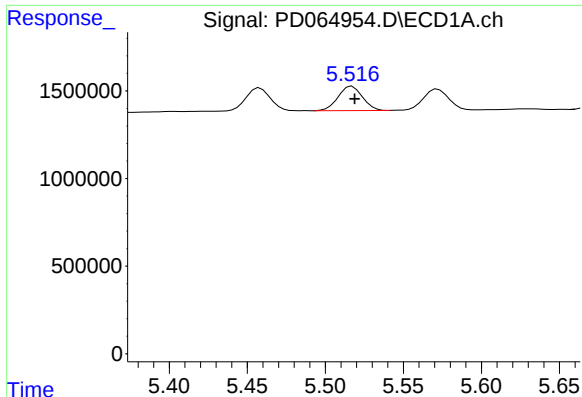
#10 gamma-Chlordane

R.T.: 5.458 min  
Delta R.T.: -0.001 min  
Response: 1424478  
Conc: 0.52 ng/ml



#10 gamma-Chlordane

R.T.: 6.137 min  
Delta R.T.: 0.000 min  
Response: 20867460  
Conc: 0.80 ng/ml



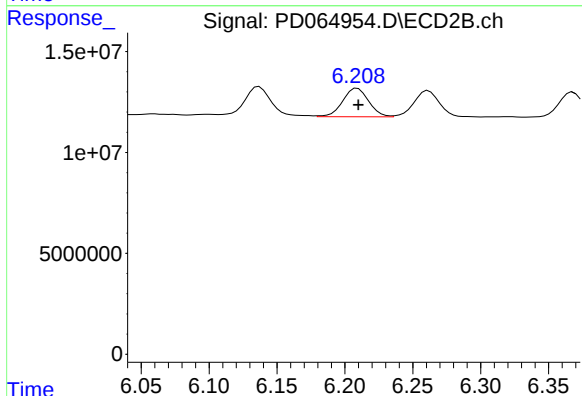
#11 alpha-Chlordane

R.T.: 5.517 min  
Delta R.T.: -0.002 min  
Response: 1510155  
Conc: 0.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2021

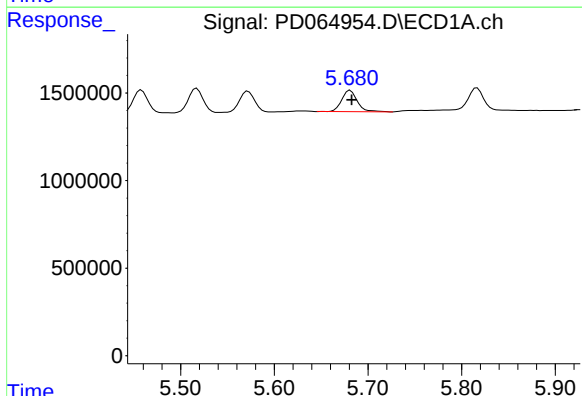
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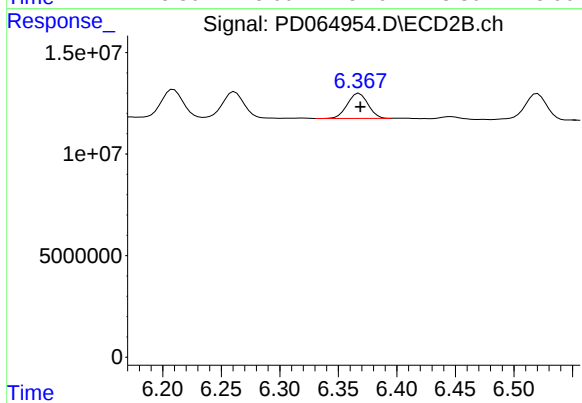
#11 alpha-Chlordane

R.T.: 6.209 min  
Delta R.T.: 0.000 min  
Response: 18892571  
Conc: 0.75 ng/ml



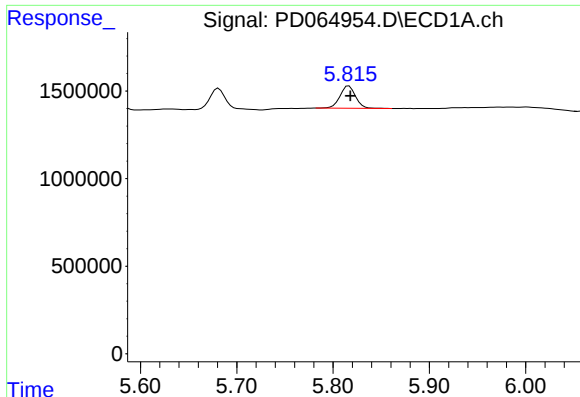
#12 4,4'-DDE

R.T.: 5.681 min  
Delta R.T.: -0.001 min  
Response: 1420387  
Conc: 0.54 ng/ml



#12 4,4'-DDE

R.T.: 6.368 min  
Delta R.T.: 0.000 min  
Response: 15256012  
Conc: 0.63 ng/ml



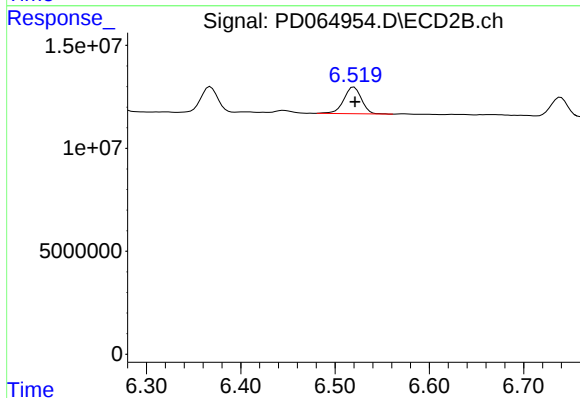
#13 Dieldrin

R.T.: 5.817 min  
Delta R.T.: -0.002 min  
Response: 1427813  
Conc: 0.52 ng/ml

Instrument :  
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LOD-MDL-WATER-01-QT3-2021

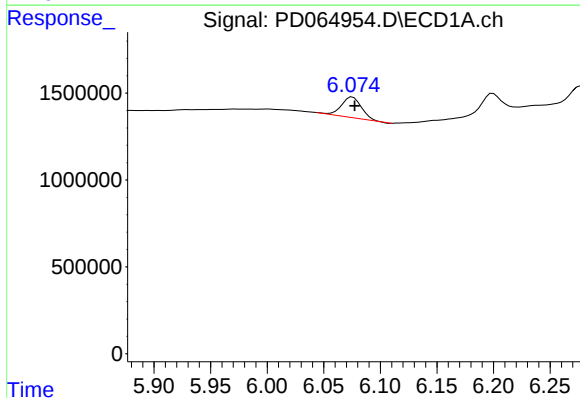
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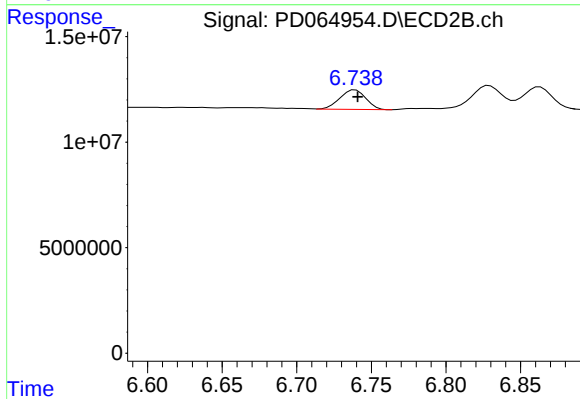
#13 Dieldrin

R.T.: 6.520 min  
Delta R.T.: 0.000 min  
Response: 16880192  
Conc: 0.68 ng/ml



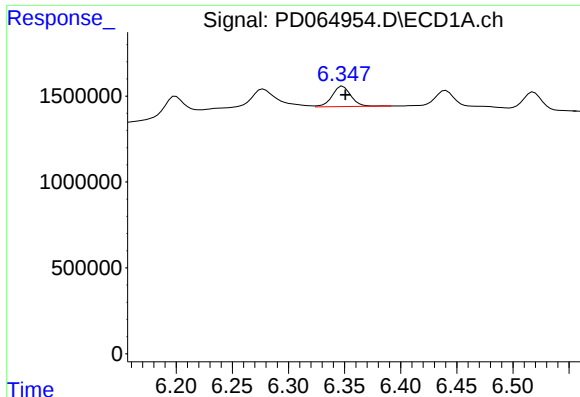
#14 Endrin

R.T.: 6.075 min  
Delta R.T.: -0.002 min  
Response: 1484306  
Conc: 0.62 ng/ml



#14 Endrin

R.T.: 6.739 min  
Delta R.T.: -0.002 min  
Response: 11218319  
Conc: 0.58 ng/ml



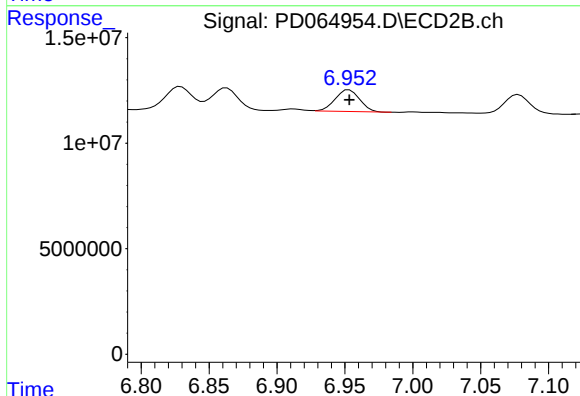
#15 Endosulfan II

R.T.: 6.348 min  
Delta R.T.: -0.002 min  
Response: 1400899  
Conc: 0.61 ng/ml

Instrument :  
ECD\_D  
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LOD-MDL-WATER-01-QT3-2021

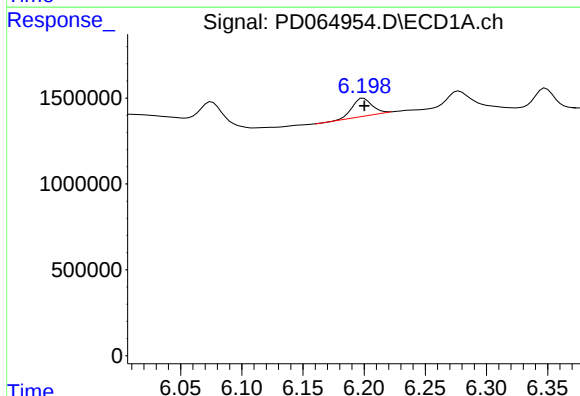
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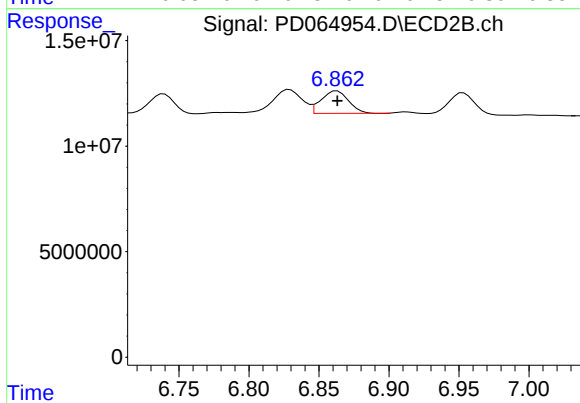
#15 Endosulfan II

R.T.: 6.953 min  
Delta R.T.: 0.000 min  
Response: 12899597  
Conc: 0.67 ng/ml



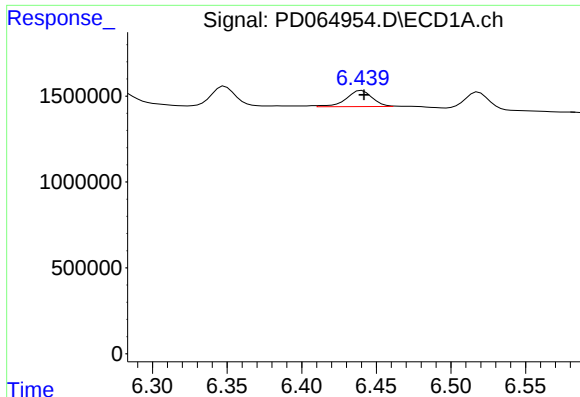
#16 4,4'-DDD

R.T.: 6.200 min  
Delta R.T.: 0.000 min  
Response: 1163170  
Conc: 0.50 ng/ml



#16 4,4'-DDD

R.T.: 6.863 min  
Delta R.T.: 0.000 min  
Response: 14415093  
Conc: 0.76 ng/ml



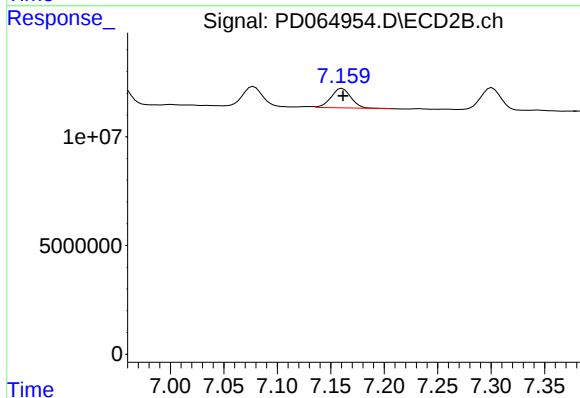
#17 4,4'-DDT

R.T.: 6.439 min  
Delta R.T.: -0.003 min  
Response: 1140289  
Conc: 0.47 ng/ml m

Instrument :  
ECD\_D  
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LOD-MDL-WATER-01-QT3-2021

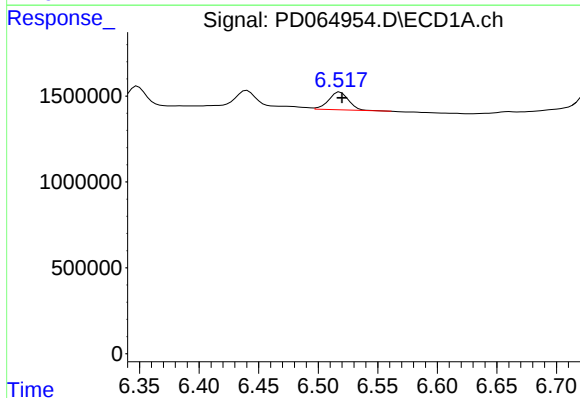
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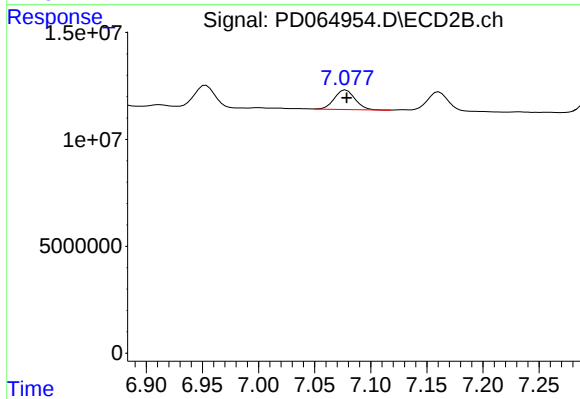
#17 4,4'-DDT

R.T.: 7.161 min  
Delta R.T.: 0.000 min  
Response: 11497421  
Conc: 0.58 ng/ml



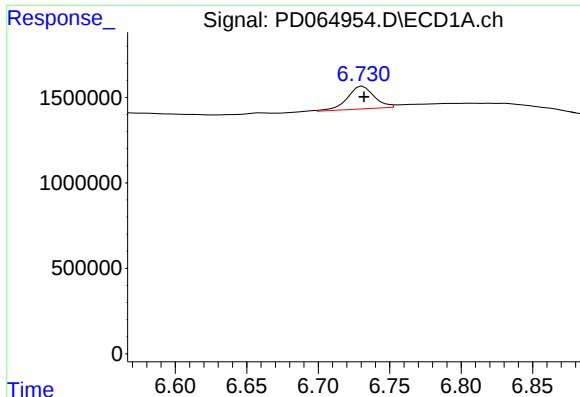
#18 Endrin aldehyde

R.T.: 6.518 min  
Delta R.T.: -0.002 min  
Response: 1185715  
Conc: 0.65 ng/ml



#18 Endrin aldehyde

R.T.: 7.078 min  
Delta R.T.: 0.000 min  
Response: 11918955  
Conc: 0.76 ng/ml



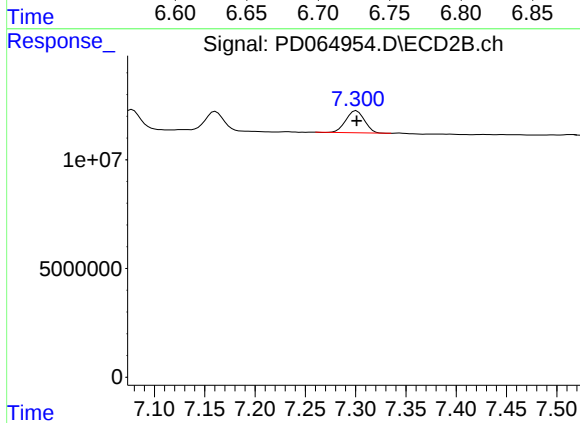
#19 Endosulfan Sulfate

R.T.: 6.730 min  
Delta R.T.: -0.002 min  
Response: 1734242  
Conc: 0.75 ng/ml m

Instrument :  
ECD\_D  
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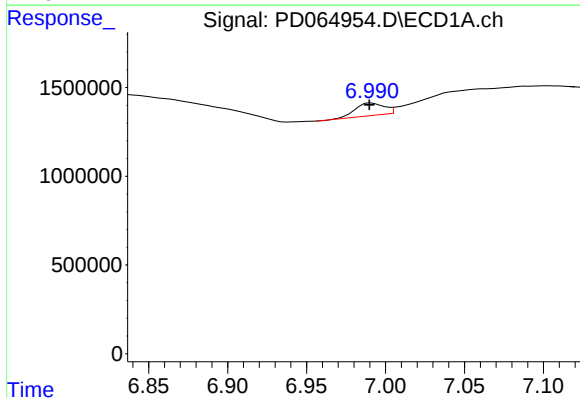
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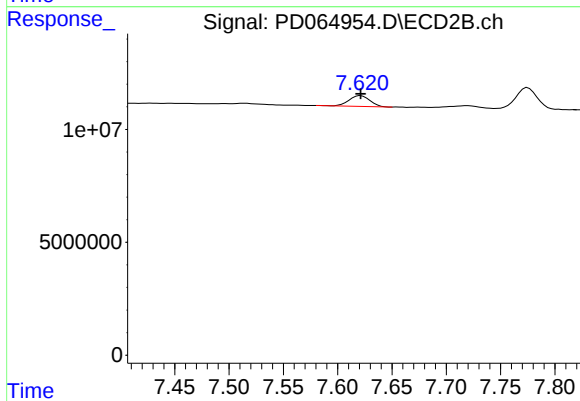
#19 Endosulfan Sulfate

R.T.: 7.301 min  
Delta R.T.: 0.000 min  
Response: 13102708  
Conc: 0.68 ng/ml



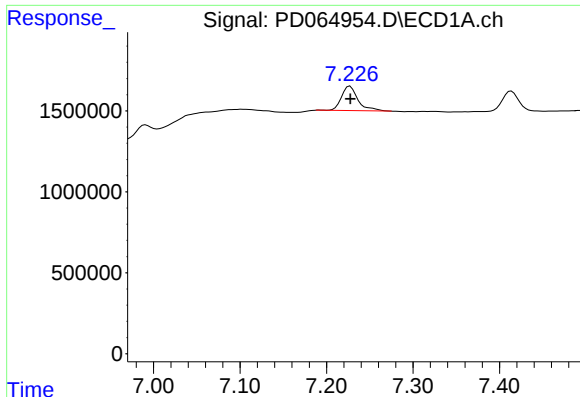
#20 Methoxychlor

R.T.: 6.991 min  
Delta R.T.: 0.001 min  
Response: 879246  
Conc: 0.63 ng/ml



#20 Methoxychlor

R.T.: 7.621 min  
Delta R.T.: 0.000 min  
Response: 6327176  
Conc: 0.67 ng/ml



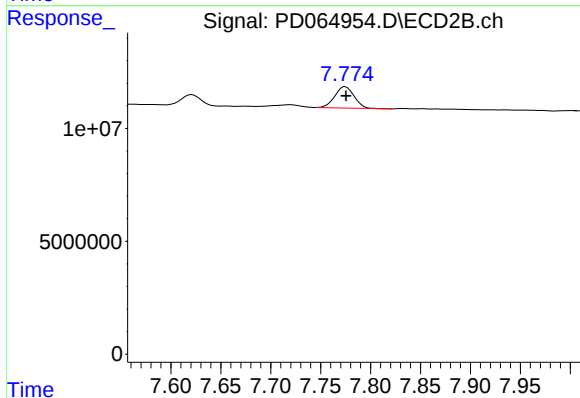
#21 Endrin ketone

R.T.: 7.227 min  
Delta R.T.: 0.000 min  
Response: 1985387  
Conc: 0.69 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2021

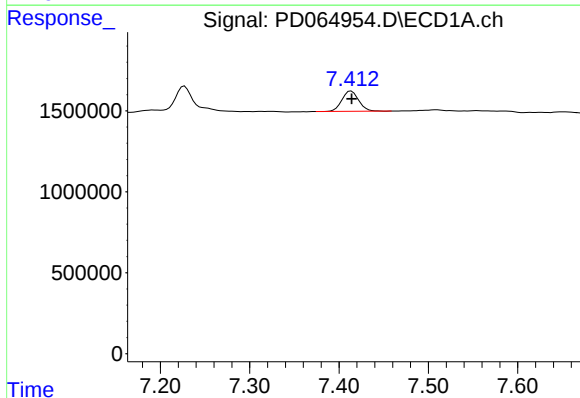
Manual Integrations  
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mohammad  
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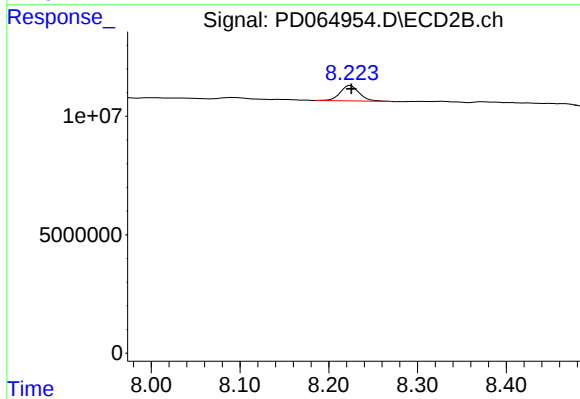
#21 Endrin ketone

R.T.: 7.775 min  
Delta R.T.: 0.000 min  
Response: 12796934  
Conc: 0.67 ng/ml



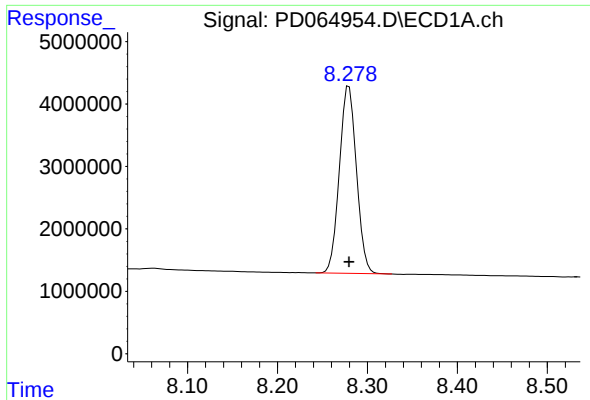
#22 Mirex

R.T.: 7.414 min  
Delta R.T.: 0.000 min  
Response: 1622650  
Conc: 0.73 ng/ml



#22 Mirex

R.T.: 8.224 min  
Delta R.T.: 0.000 min  
Response: 9671611  
Conc: 0.77 ng/ml



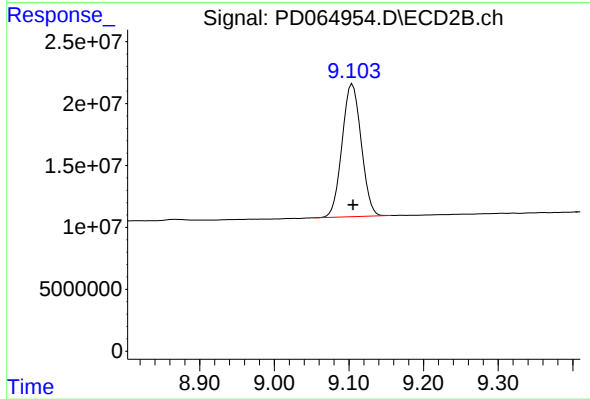
#28 Decachlorobiphenyl

R.T.: 8.280 min  
Delta R.T.: 0.000 min  
Response: 39571715  
Conc: 16.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2021

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 9.105 min  
Delta R.T.: 0.000 min  
Response: 191279410  
Conc: 17.21 ng/ml