

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110219\  
 Data File : PD055789.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 01 Nov 2019 10:58  
 Operator : SG\AJ  
 Sample : K5111-09  
 Misc : PEST MDL 1 PPB  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 MDL-MDL-WATER-03-QT4-2019

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Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 01 11:55:45 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD110119.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 31 06:48:28 2019  
 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 x 0.2 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... | 3.289 | 3.962 | 18085785 | 26189560 | 21.215 | 21.746  |
| 28)                         | SA Decachlor... | 7.964 | 8.997 | 20877152 | 31262612 | 22.068 | 22.466  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.716 | 4.349 | 1007507  | 1677857  | 0.793  | 0.952   |
| 3)                          | MA gamma-BHC... | 3.990 | 4.631 | 1414067  | 1465055  | 1.180m | 0.853 # |
| 4)                          | MA Heptachlor   | 4.277 | 5.138 | 950144   | 1722096  | 0.892  | 0.994   |
| 5)                          | MB Aldrin       | 4.516 | 5.441 | 1042550  | 1696721  | 0.953  | 1.014   |
| 6)                          | B beta-BHC      | 4.240 | 4.800 | 472696   | 702895   | 0.938m | 0.884   |
| 7)                          | B delta-BHC     | 4.436 | 5.015 | 965357   | 843735   | 0.838  | 0.526 # |
| 8)                          | B Heptachlor... | 4.953 | 5.824 | 999563   | 1624609  | 0.971  | 1.006   |
| 9)                          | A Endosulfan I  | 5.284 | 6.179 | 942738   | 1605330  | 0.967  | 1.022m  |
| 10)                         | B gamma-Chl...  | 5.175 | 6.057 | 1070259  | 1657904  | 1.003  | 0.962m  |
| 11)                         | B alpha-Chl...  | 5.232 | 6.130 | 1045794  | 1842475  | 0.991  | 1.072m  |
| 12)                         | B 4,4'-DDE      | 5.401 | 6.287 | 875037   | 1515383  | 0.889  | 0.947   |
| 13)                         | MA Dieldrin     | 5.524 | 6.435 | 972840   | 1739493  | 0.917  | 1.029m  |
| 14)                         | MA Endrin       | 5.775 | 6.653 | 870952   | 1382686  | 0.908m | 0.959   |
| 15)                         | B Endosulfa...  | 6.050 | 6.861 | 968138   | 1843107  | 0.999  | 1.187   |
| 16)                         | A 4,4'-DDD      | 5.911 | 6.775 | 719352   | 1470903  | 0.895  | 1.076   |
| 17)                         | MA 4,4'-DDT     | 6.147 | 7.073 | 316717   | 1149304  | 0.443m | 0.861 # |
| 18)                         | B Endrin al...  | 6.219 | 6.985 | 1074799  | 1522617  | 1.286  | 1.135   |
| 19)                         | B Endosulfa...  | 6.428 | 7.207 | 988994   | 1688352  | 1.104m | 1.160   |
| 20)                         | A Methoxychlor  | 6.696 | 7.530 | 262477   | 801576   | 0.670m | 1.002 # |
| 21)                         | B Endrin ke...  | 6.914 | 7.675 | 867201   | 1876346  | 0.829m | 1.131 # |
| 22)                         | Mirex           | 7.089 | 8.129 | 1388483  | 1577683  | 1.684  | 1.304   |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110219\  
Data File : PD055789.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 01 Nov 2019 10:58  
Operator : SG\AJ  
Sample : K5111-09  
Misc : PEST MDL 1 PPB  
ALS Vial : 10 Sample Multiplier: 1

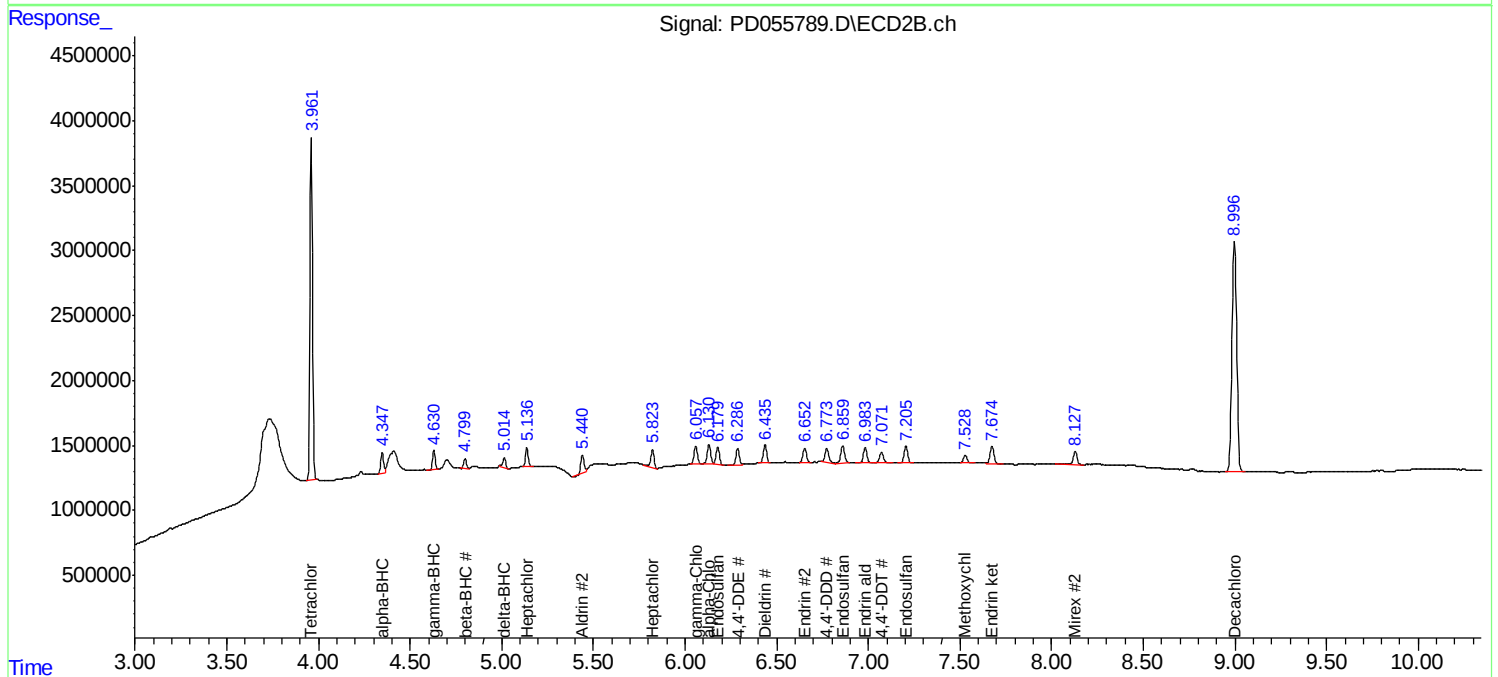
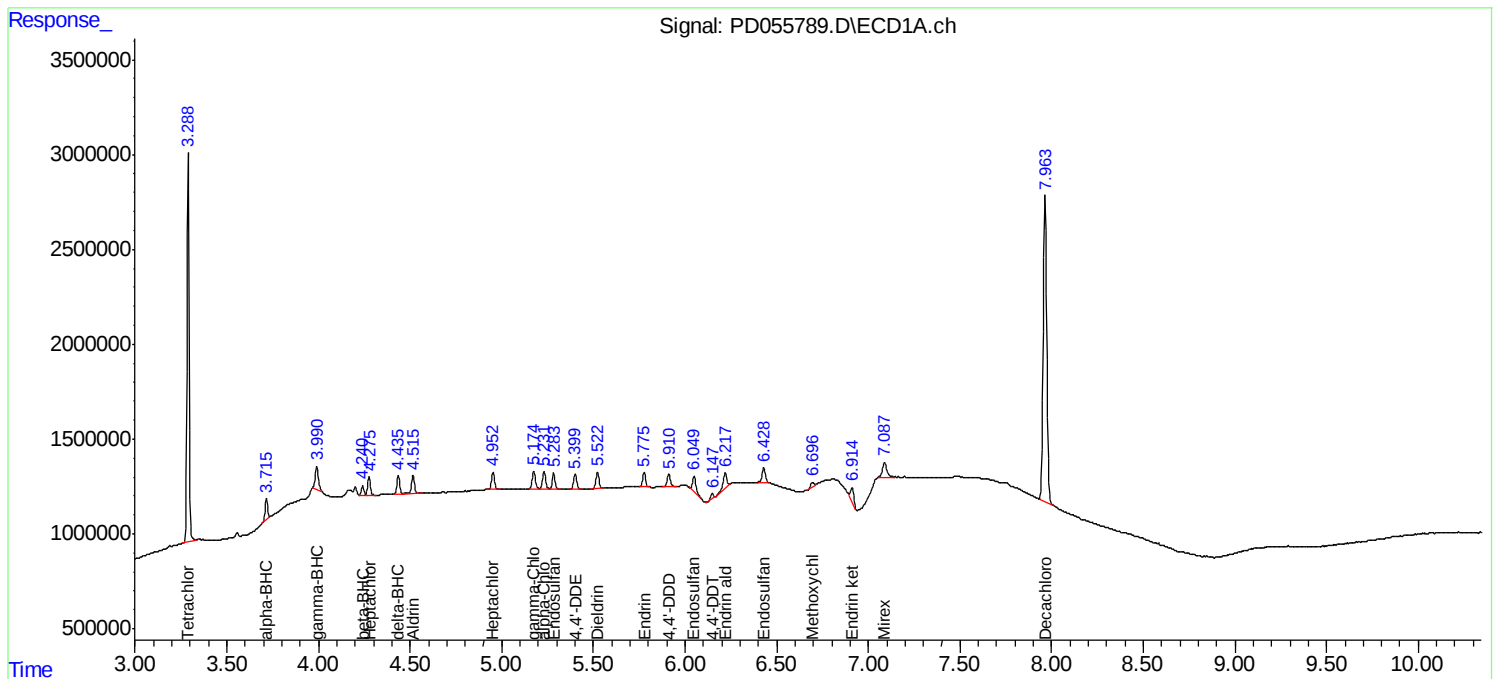
Instrument :  
ECD\_D  
ClientSampleID :  
MDL-MDL-WATER-03-QT4-2019

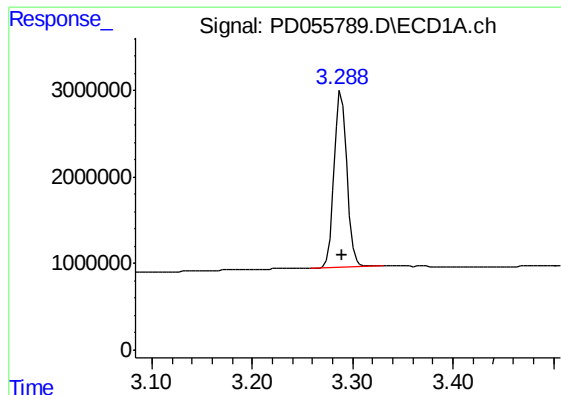
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 01 11:55:45 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD110119.M  
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QLast Update : Thu Oct 31 06:48:28 2019  
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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





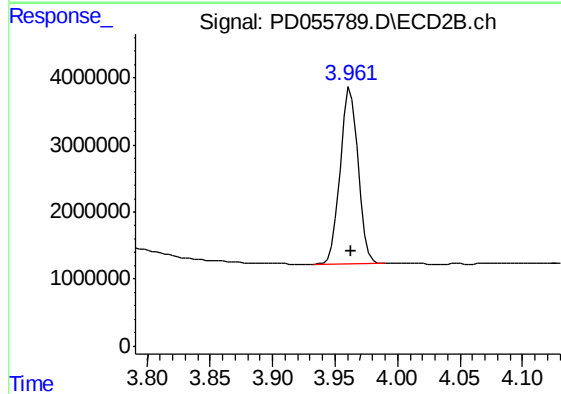
#1 Tetrachloro-m-xylene

R.T.: 3.289 min  
Delta R.T.: 0.000 min  
Response: 18085785  
Conc: 21.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

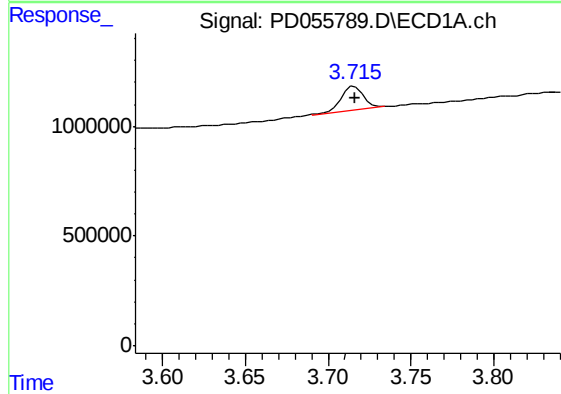
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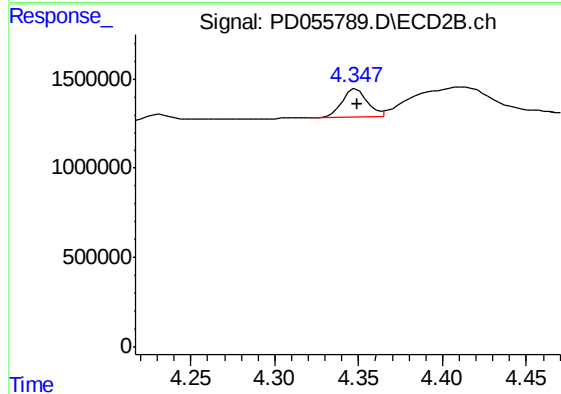
#1 Tetrachloro-m-xylene

R.T.: 3.962 min  
Delta R.T.: 0.000 min  
Response: 26189560  
Conc: 21.75 ng/ml



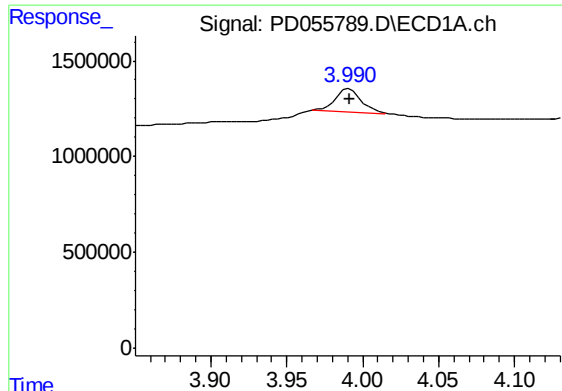
#2 alpha-BHC

R.T.: 3.716 min  
Delta R.T.: 0.000 min  
Response: 1007507  
Conc: 0.79 ng/ml



#2 alpha-BHC

R.T.: 4.349 min  
Delta R.T.: 0.000 min  
Response: 1677857  
Conc: 0.95 ng/ml



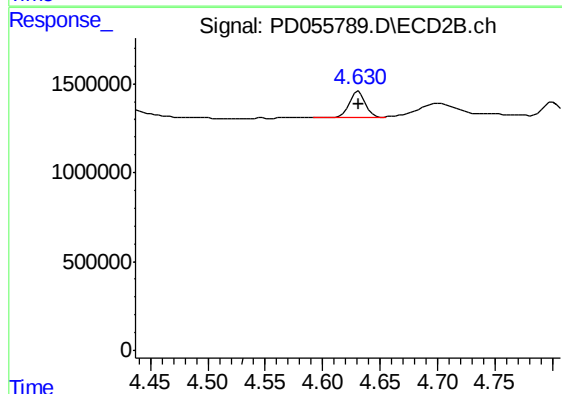
#3 gamma-BHC (Lindane)

R.T.: 3.990 min  
Delta R.T.: -0.002 min  
Response: 1414067  
Conc: 1.18 ng/ml m

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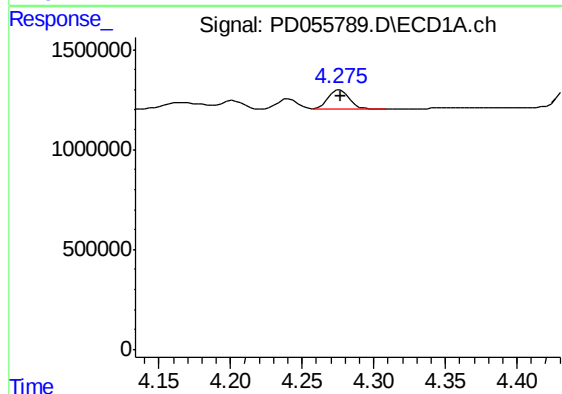
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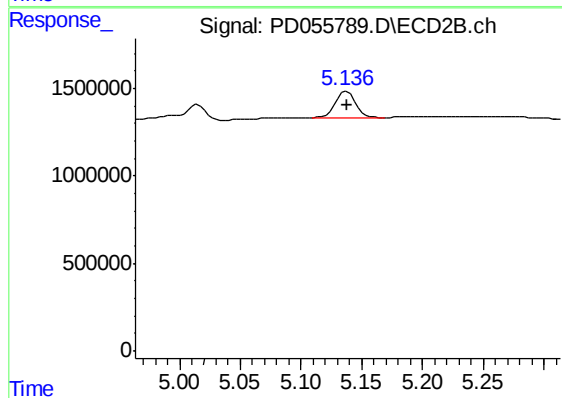
#3 gamma-BHC (Lindane)

R.T.: 4.631 min  
Delta R.T.: 0.000 min  
Response: 1465055  
Conc: 0.85 ng/ml



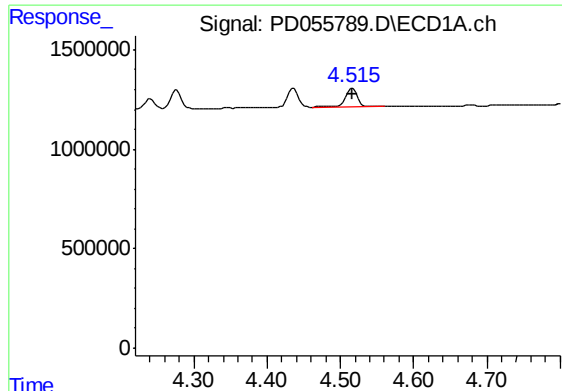
#4 Heptachlor

R.T.: 4.277 min  
Delta R.T.: 0.000 min  
Response: 950144  
Conc: 0.89 ng/ml



#4 Heptachlor

R.T.: 5.138 min  
Delta R.T.: 0.000 min  
Response: 1722096  
Conc: 0.99 ng/ml



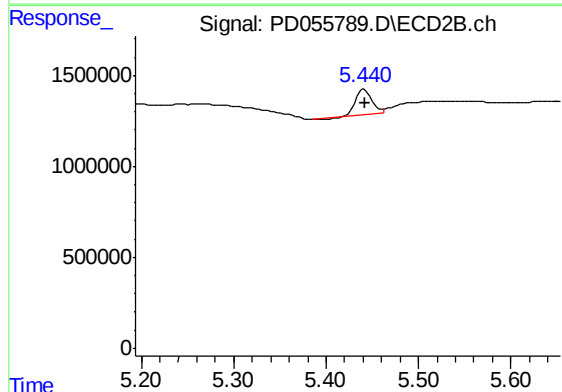
#5 Aldrin

R.T.: 4.516 min  
Delta R.T.: 0.000 min  
Response: 1042550  
Conc: 0.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

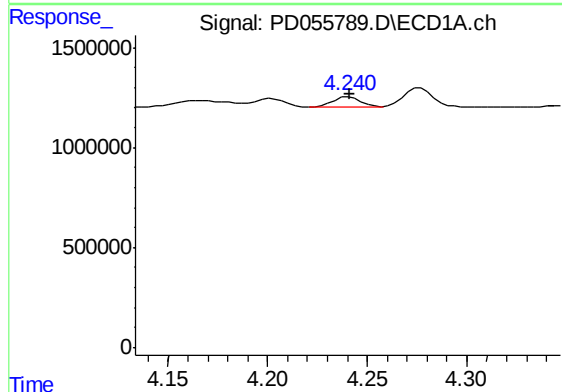
Manual Integrations  
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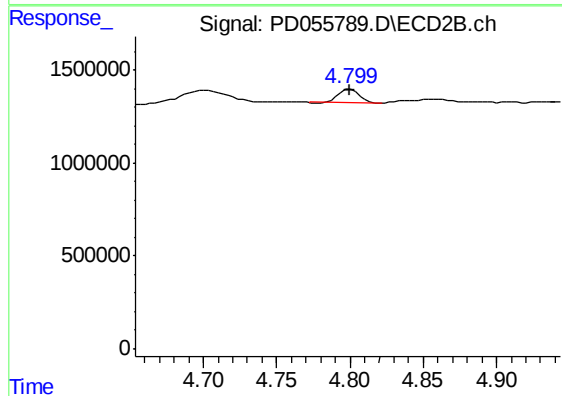
#5 Aldrin

R.T.: 5.441 min  
Delta R.T.: 0.000 min  
Response: 1696721  
Conc: 1.01 ng/ml



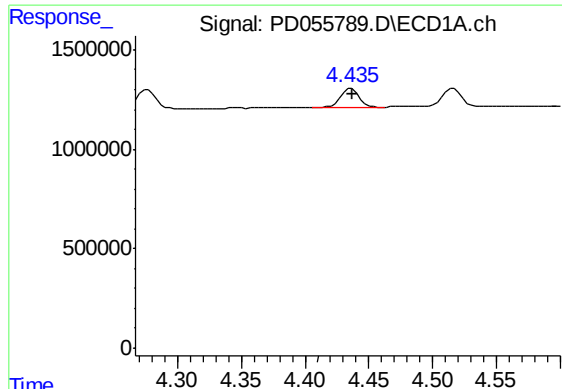
#6 beta-BHC

R.T.: 4.240 min  
Delta R.T.: -0.001 min  
Response: 472696  
Conc: 0.94 ng/ml m



#6 beta-BHC

R.T.: 4.800 min  
Delta R.T.: 0.000 min  
Response: 702895  
Conc: 0.88 ng/ml



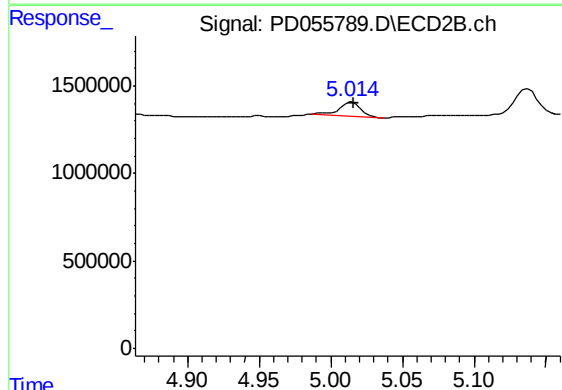
#7 delta-BHC

R.T.: 4.436 min  
Delta R.T.: 0.000 min  
Response: 965357  
Conc: 0.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

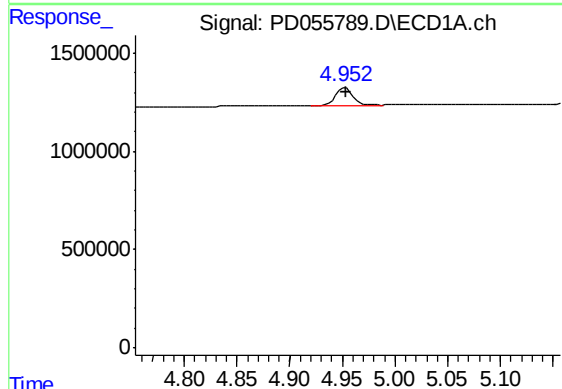
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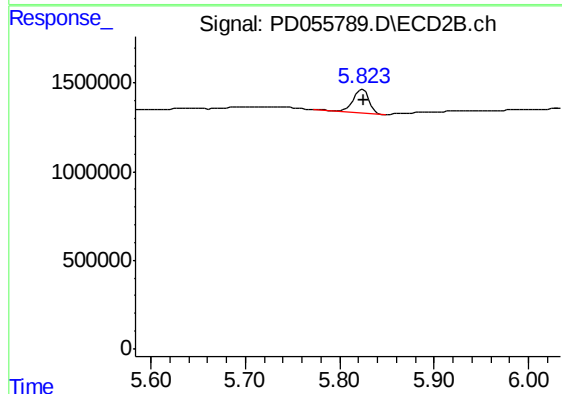
#7 delta-BHC

R.T.: 5.015 min  
Delta R.T.: -0.001 min  
Response: 843735  
Conc: 0.53 ng/ml



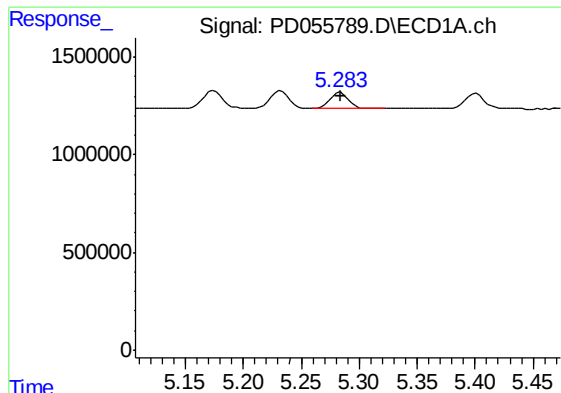
#8 Heptachlor epoxide

R.T.: 4.953 min  
Delta R.T.: 0.000 min  
Response: 999563  
Conc: 0.97 ng/ml



#8 Heptachlor epoxide

R.T.: 5.824 min  
Delta R.T.: -0.001 min  
Response: 1624609  
Conc: 1.01 ng/ml



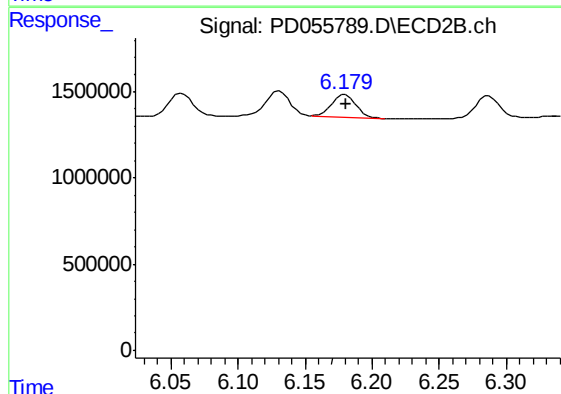
#9 Endosulfan I

R.T.: 5.284 min  
Delta R.T.: 0.000 min  
Response: 942738  
Conc: 0.97 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

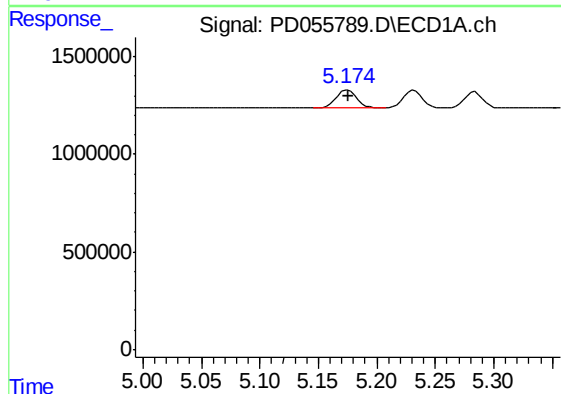
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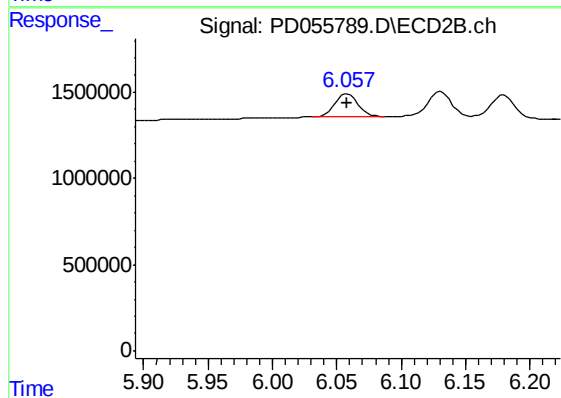
#9 Endosulfan I

R.T.: 6.179 min  
Delta R.T.: -0.002 min  
Response: 1605330  
Conc: 1.02 ng/ml m



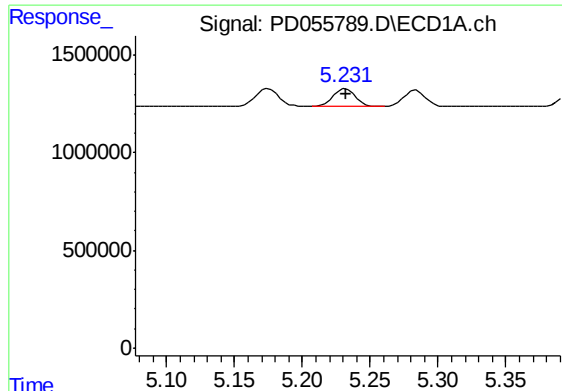
#10 gamma-Chlordane

R.T.: 5.175 min  
Delta R.T.: 0.000 min  
Response: 1070259  
Conc: 1.00 ng/ml



#10 gamma-Chlordane

R.T.: 6.057 min  
Delta R.T.: 0.000 min  
Response: 1657904  
Conc: 0.96 ng/ml m



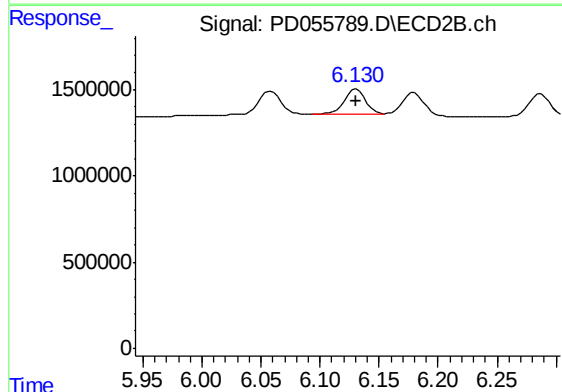
#11 alpha-Chlordane

R.T.: 5.232 min  
Delta R.T.: 0.000 min  
Response: 1045794  
Conc: 0.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

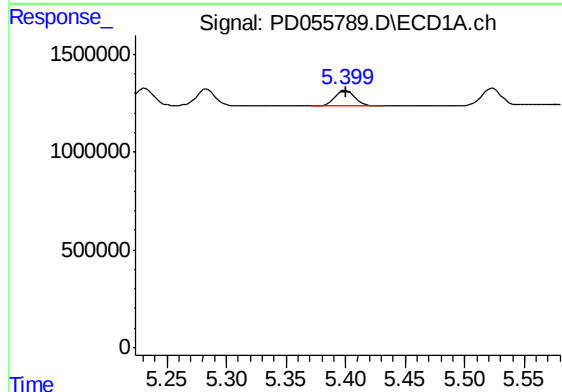
Manual Integrations  
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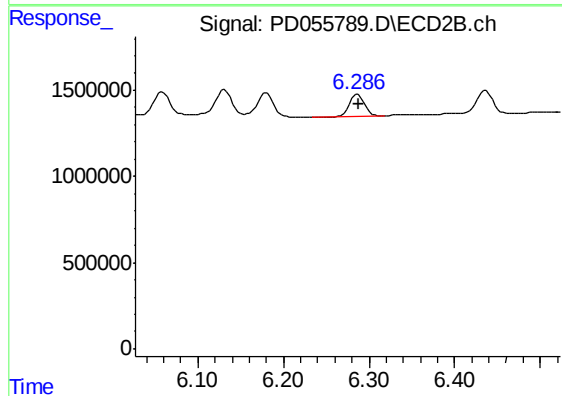
#11 alpha-Chlordane

R.T.: 6.130 min  
Delta R.T.: 0.000 min  
Response: 1842475  
Conc: 1.07 ng/ml m



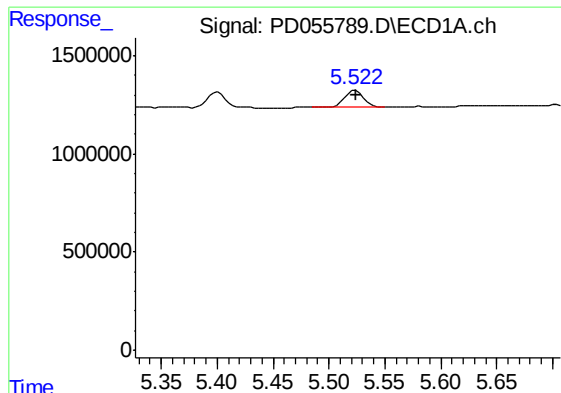
#12 4,4'-DDE

R.T.: 5.401 min  
Delta R.T.: 0.000 min  
Response: 875037  
Conc: 0.89 ng/ml



#12 4,4'-DDE

R.T.: 6.287 min  
Delta R.T.: 0.000 min  
Response: 1515383  
Conc: 0.95 ng/ml



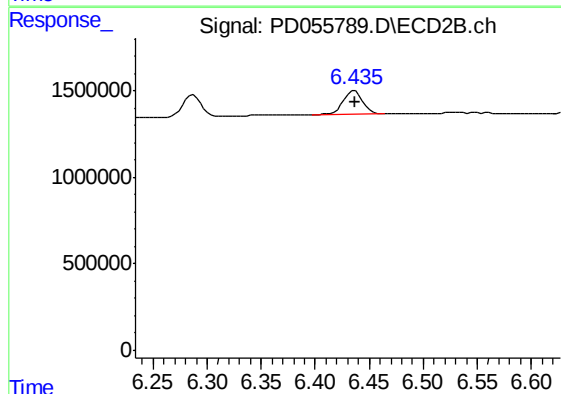
#13 Dieldrin

R.T.: 5.524 min  
Delta R.T.: 0.000 min  
Response: 972840  
Conc: 0.92 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

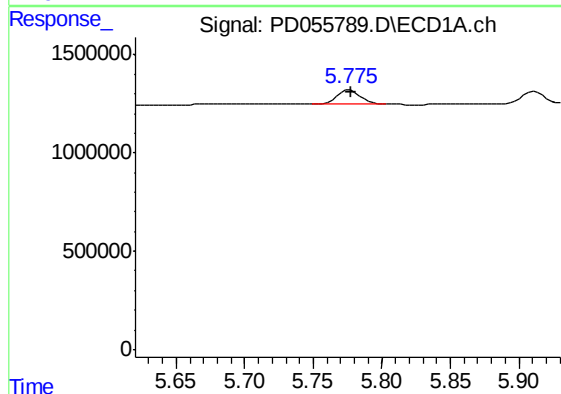
Manual Integrations  
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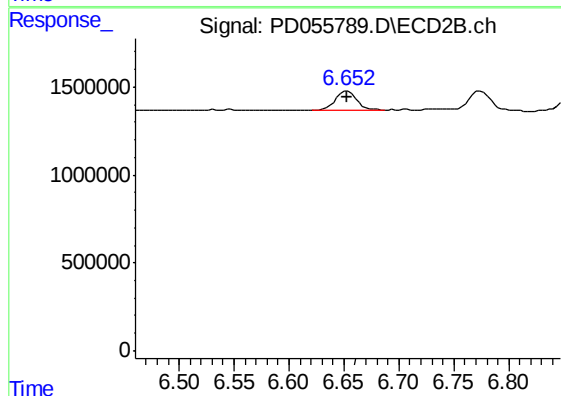
#13 Dieldrin

R.T.: 6.435 min  
Delta R.T.: -0.001 min  
Response: 1739493  
Conc: 1.03 ng/ml m



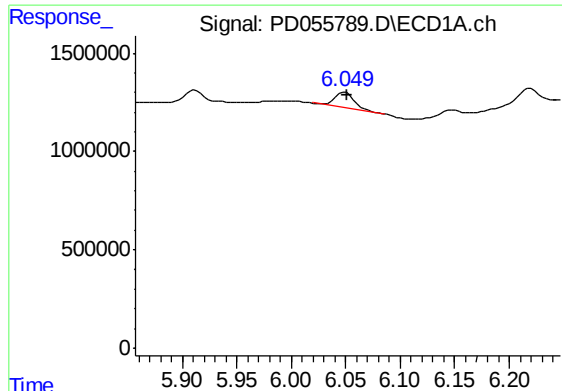
#14 Endrin

R.T.: 5.775 min  
Delta R.T.: -0.002 min  
Response: 870952  
Conc: 0.91 ng/ml m



#14 Endrin

R.T.: 6.653 min  
Delta R.T.: 0.000 min  
Response: 1382686  
Conc: 0.96 ng/ml



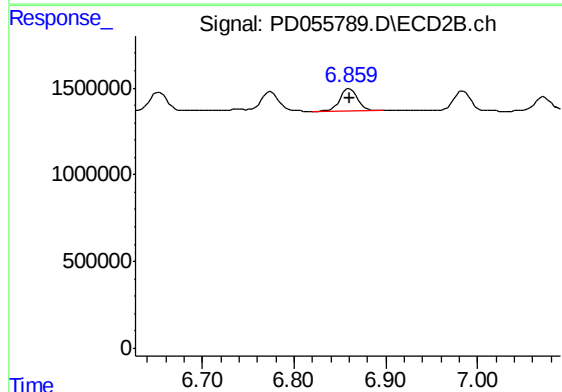
#15 Endosulfan II

R.T.: 6.050 min  
Delta R.T.: -0.001 min  
Response: 968138  
Conc: 1.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

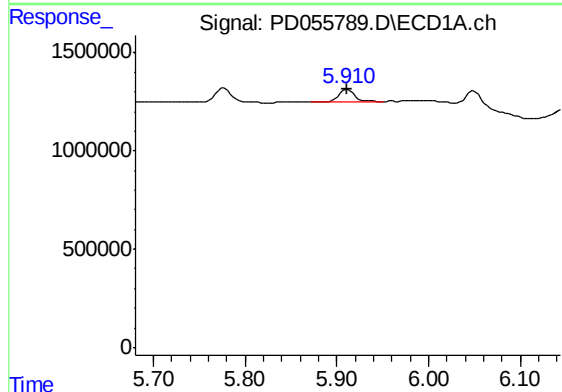
Manual Integrations  
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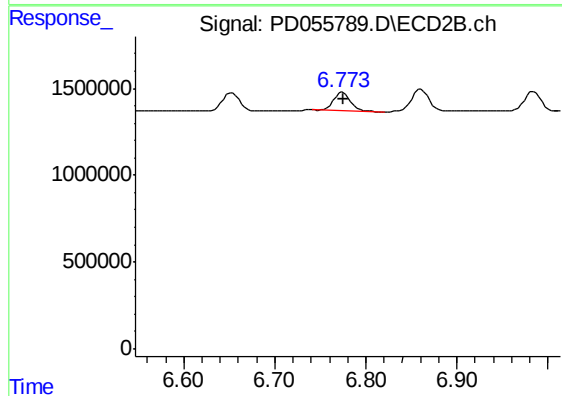
#15 Endosulfan II

R.T.: 6.861 min  
Delta R.T.: 0.000 min  
Response: 1843107  
Conc: 1.19 ng/ml



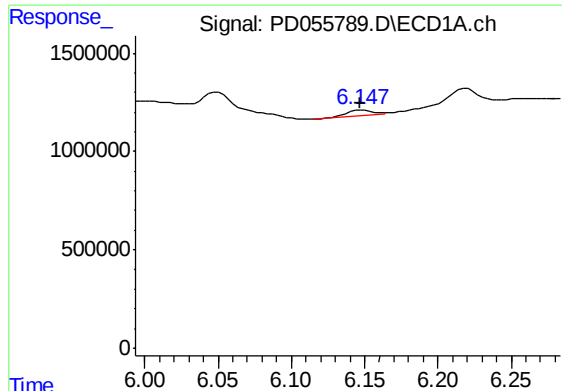
#16 4,4'-DDD

R.T.: 5.911 min  
Delta R.T.: 0.000 min  
Response: 719352  
Conc: 0.89 ng/ml



#16 4,4'-DDD

R.T.: 6.775 min  
Delta R.T.: 0.000 min  
Response: 1470903  
Conc: 1.08 ng/ml



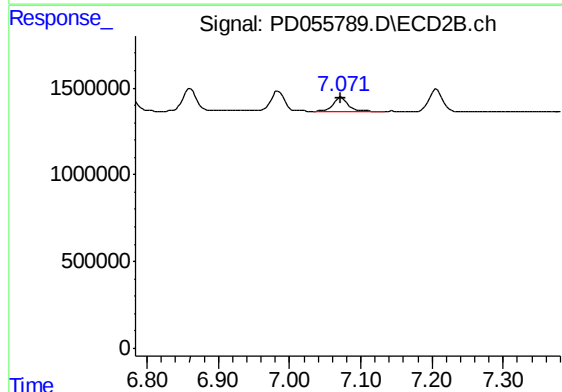
#17 4,4'-DDT

R.T.: 6.147 min  
Delta R.T.: 0.000 min  
Response: 316717  
Conc: 0.44 ng/ml m

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

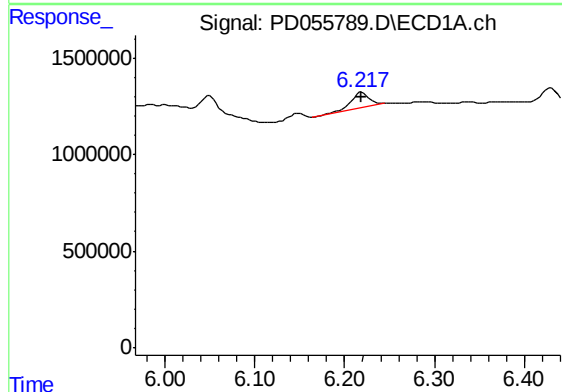
Manual Integrations  
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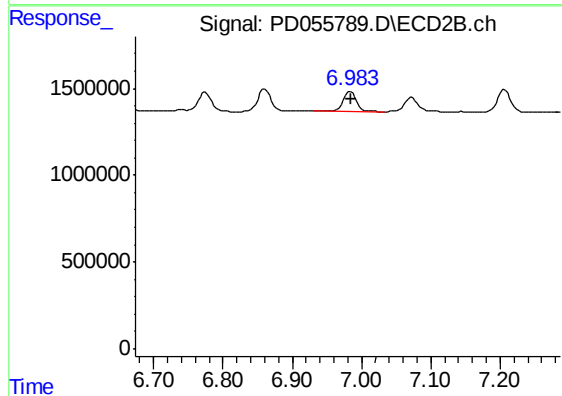
#17 4,4'-DDT

R.T.: 7.073 min  
Delta R.T.: 0.000 min  
Response: 1149304  
Conc: 0.86 ng/ml



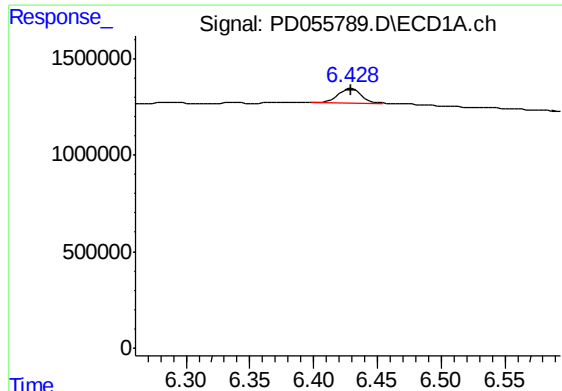
#18 Endrin aldehyde

R.T.: 6.219 min  
Delta R.T.: 0.000 min  
Response: 1074799  
Conc: 1.29 ng/ml



#18 Endrin aldehyde

R.T.: 6.985 min  
Delta R.T.: 0.000 min  
Response: 1522617  
Conc: 1.14 ng/ml



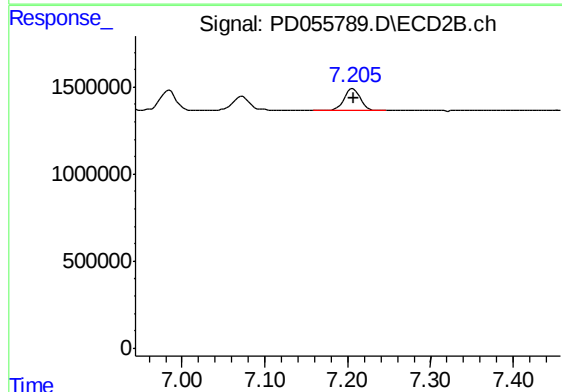
#19 Endosulfan Sulfate

R.T.: 6.428 min  
Delta R.T.: -0.001 min  
Response: 988994  
Conc: 1.10 ng/ml m

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

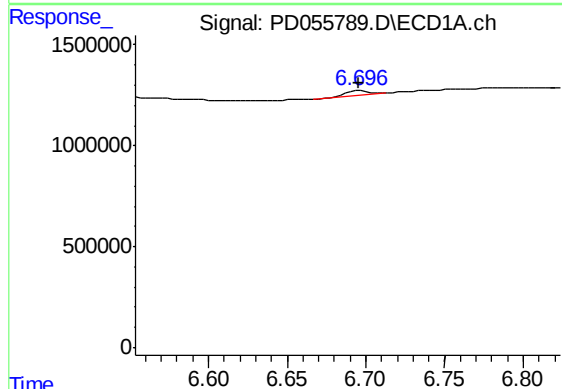
Manual Integrations  
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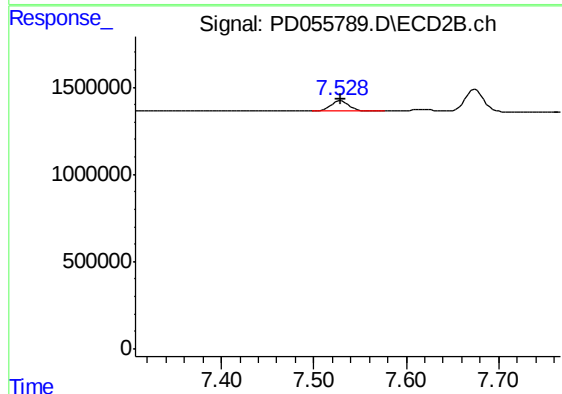
#19 Endosulfan Sulfate

R.T.: 7.207 min  
Delta R.T.: 0.000 min  
Response: 1688352  
Conc: 1.16 ng/ml



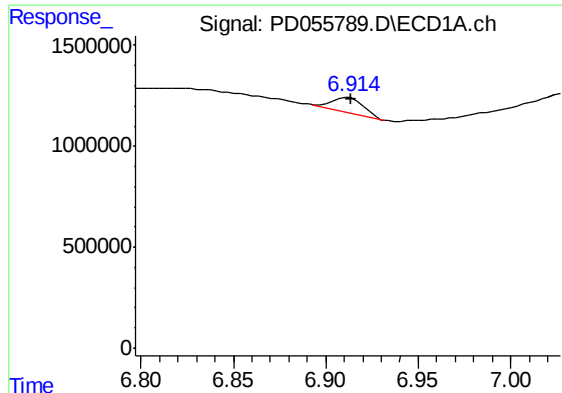
#20 Methoxychlor

R.T.: 6.696 min  
Delta R.T.: 0.000 min  
Response: 262477  
Conc: 0.67 ng/ml m



#20 Methoxychlor

R.T.: 7.530 min  
Delta R.T.: 0.000 min  
Response: 801576  
Conc: 1.00 ng/ml



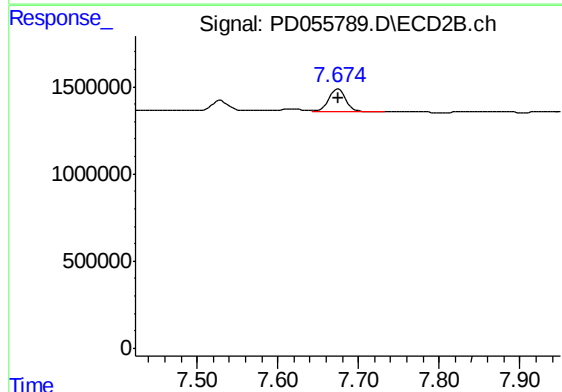
#21 Endrin ketone

R.T.: 6.914 min  
Delta R.T.: 0.000 min  
Response: 867201  
Conc: 0.83 ng/ml m

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

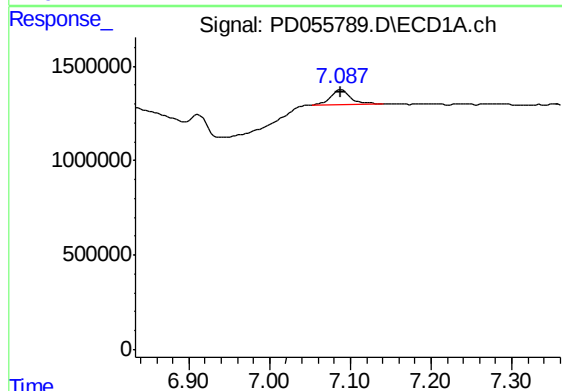
Manual Integrations  
APPROVED

Ankita  
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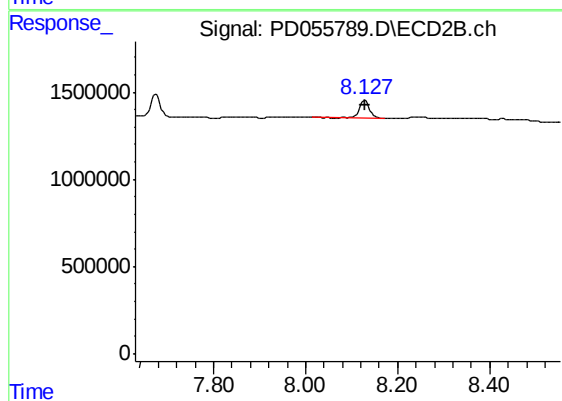
#21 Endrin ketone

R.T.: 7.675 min  
Delta R.T.: 0.000 min  
Response: 1876346  
Conc: 1.13 ng/ml



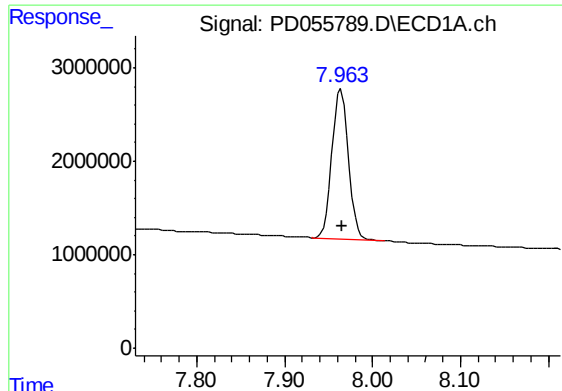
#22 Mirex

R.T.: 7.089 min  
Delta R.T.: 0.000 min  
Response: 1388483  
Conc: 1.68 ng/ml



#22 Mirex

R.T.: 8.129 min  
Delta R.T.: 0.000 min  
Response: 1577683  
Conc: 1.30 ng/ml



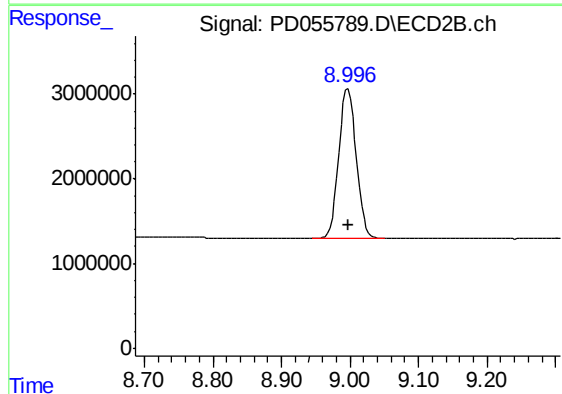
#28 Decachlorobiphenyl

R.T.: 7.964 min  
Delta R.T.: 0.000 min  
Response: 20877152  
Conc: 22.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-MDL-WATER-03-QT4-2019

Manual Integrations  
APPROVED

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11/1/2019 2:58:25 PM



#28 Decachlorobiphenyl

R.T.: 8.997 min  
Delta R.T.: 0.000 min  
Response: 31262612  
Conc: 22.47 ng/ml