

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD103021\  
 Data File : PD066629.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Oct 2021 10:47  
 Operator : AR\AJ  
 Sample : M4068-07  
 Misc : LOD 1 PPB  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT4-2021

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 11/01/2021  
 Supervised By : mohammad ahmed 11/01/2021

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 01 04:52:04 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD102821.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 28 02:17:57 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 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... | 3.439 | 3.969 | 37728773 | 173.4E6  | 20.221 | 21.433  |
| 28)                         | SA Decachlor... | 8.166 | 9.024 | 23700831 | 116.3E6  | 20.513 | 21.584  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.876 | 4.362 | 3796494  | 16352851 | 1.242  | 1.482   |
| 3)                          | MA gamma-BHC... | 4.156 | 4.646 | 3966129  | 13243220 | 1.313m | 1.329   |
| 4)                          | MA Heptachlor   | 4.451 | 5.147 | 2983490  | 14210847 | 1.006  | 1.450 # |
| 5)                          | MB Aldrin       | 4.696 | 5.450 | 2903736  | 14510784 | 1.008  | 1.599 # |
| 6)                          | B beta-BHC      | 4.406 | 4.824 | 1589469  | 8183326  | 1.272  | 1.757 # |
| 7)                          | B delta-BHC     | 4.607 | 5.038 | 2623927  | 14426254 | 0.976  | 1.578 # |
| 8)                          | B Heptachlo...  | 5.137 | 5.838 | 2806417  | 9372648  | 1.085  | 1.293   |
| 9)                          | A Endosulfan I  | 5.473 | 6.196 | 2646307  | 10926815 | 1.114  | 1.386   |
| 10)                         | B gamma-Chl...  | 5.361 | 6.073 | 2870118  | 11273401 | 1.102  | 1.351   |
| 11)                         | B alpha-Chl...  | 5.419 | 6.144 | 2835760  | 11874379 | 1.105  | 1.432 # |
| 12)                         | B 4,4'-DDE      | 5.583 | 6.304 | 2328548  | 10589659 | 0.999  | 1.344 # |
| 13)                         | MA Dieldrin     | 5.716 | 6.454 | 2984724  | 11305033 | 1.193  | 1.362   |
| 14)                         | MA Endrin       | 5.972 | 6.673 | 2126134  | 9200384  | 1.016  | 1.337 # |
| 15)                         | B Endosulfa...  | 6.244 | 6.885 | 2363676  | 10249637 | 1.189m | 1.452m  |
| 16)                         | A 4,4'-DDD      | 6.096 | 6.797 | 1740912  | 9045757  | 0.929m | 1.331m# |
| 17)                         | MA 4,4'-DDT     | 6.336 | 7.096 | 1737501  | 9202163  | 0.903  | 1.269 # |
| 18)                         | B Endrin al...  | 6.413 | 7.011 | 2097371  | 8928075  | 1.357m | 1.570   |
| 19)                         | B Endosulfa...  | 6.625 | 7.235 | 2133568  | 11147544 | 1.146  | 1.537 # |
| 20)                         | A Methoxychlor  | 6.882 | 7.558 | 1163564  | 5706483  | 1.127m | 1.401   |
| 21)                         | B Endrin ke...  | 7.117 | 7.707 | 3104673  | 12916502 | 1.423  | 1.536   |
| 22)                         | Mirex           | 7.299 | 8.155 | 2058339  | 9494927  | 1.323  | 1.605   |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD103021\  
Data File : PD066629.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Oct 2021 10:47  
Operator : AR\AJ  
Sample : M4068-07  
Misc : LOD 1 PPB  
ALS Vial : 10 Sample Multiplier: 1

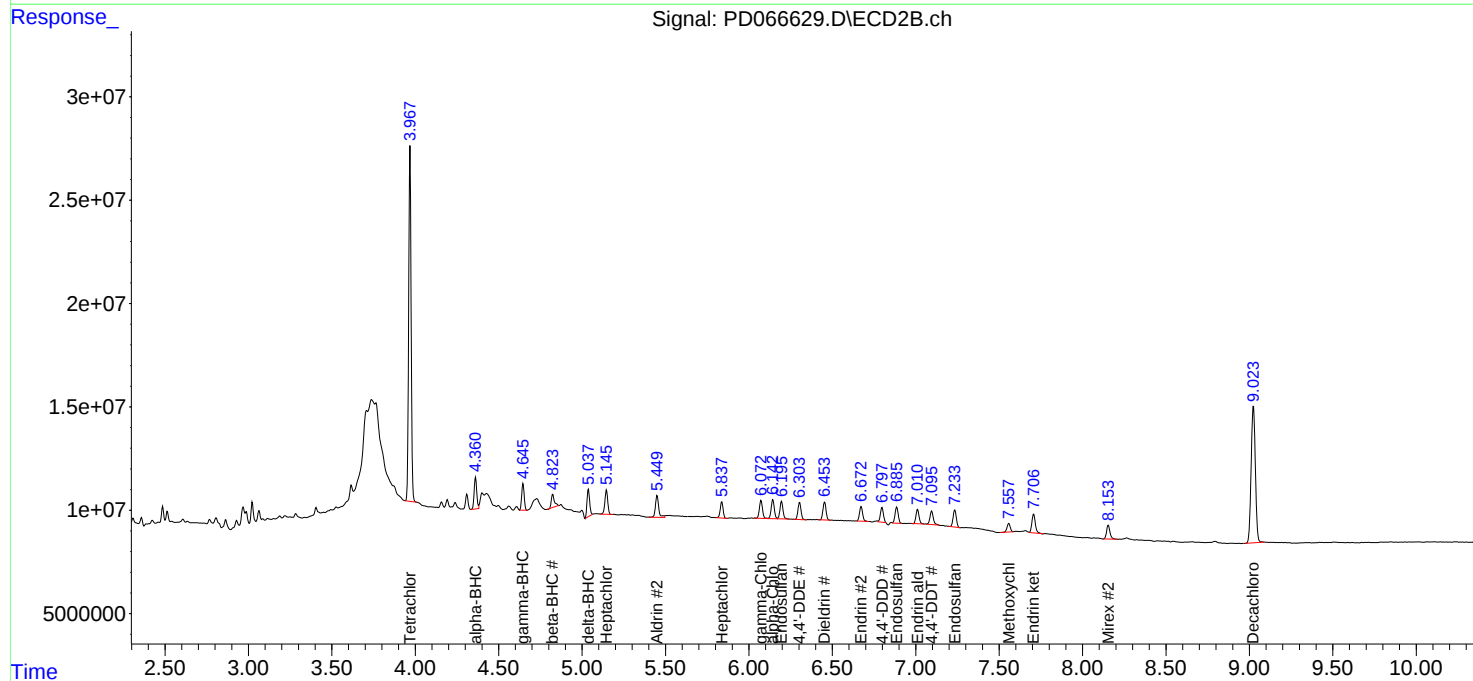
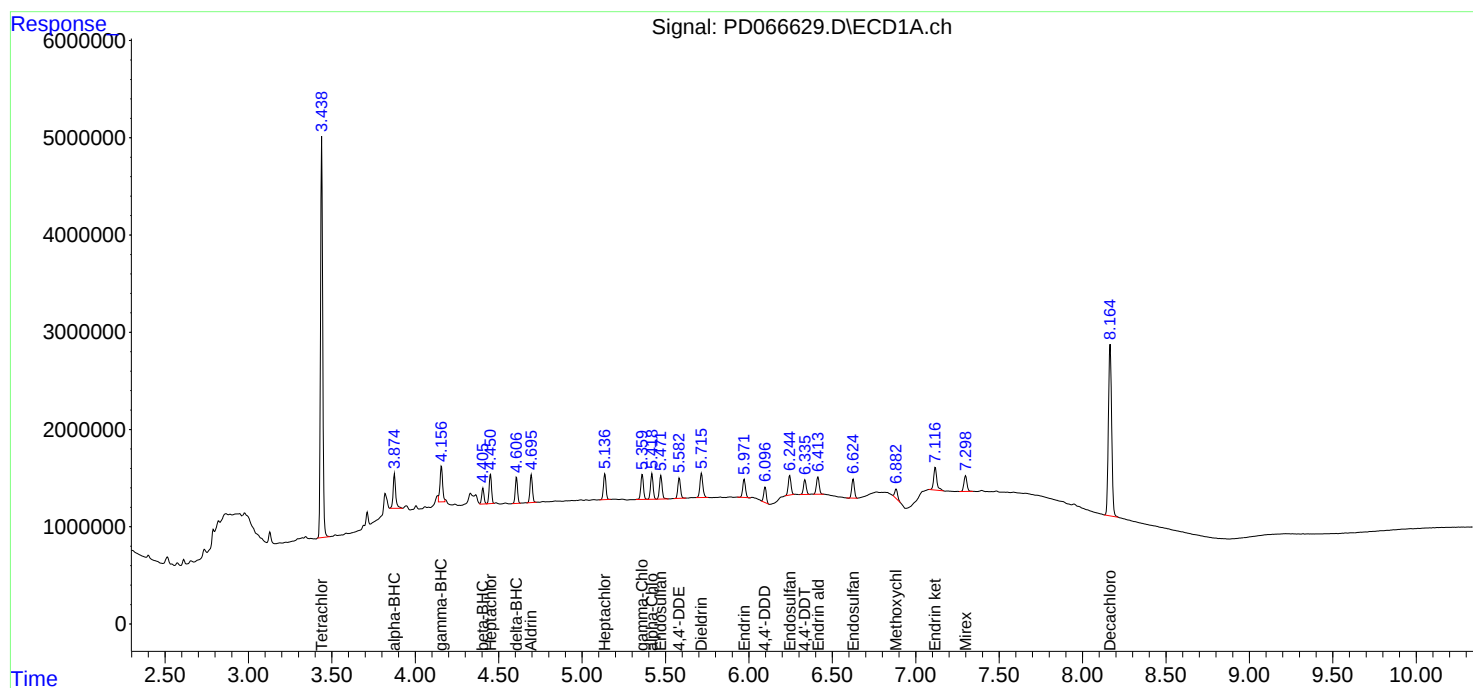
Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2021

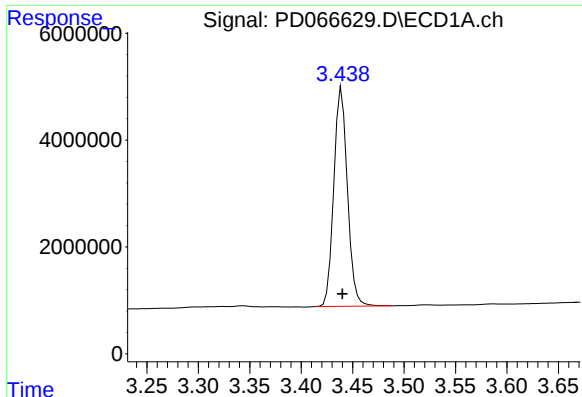
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 01 04:52:04 2021  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD102821.M  
Quant Title : GC Extractables  
QLast Update : Thu Oct 28 02:17:57 2021  
Response via : Initial Calibration  
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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 x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm





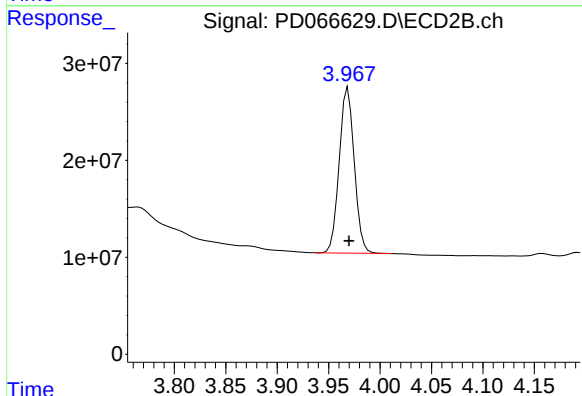
#1 Tetrachloro-m-xylene

R.T.: 3.439 min  
Delta R.T.: 0.000 min  
Response: 37728773  
Conc: 20.22 ng/ml

Instrument :  
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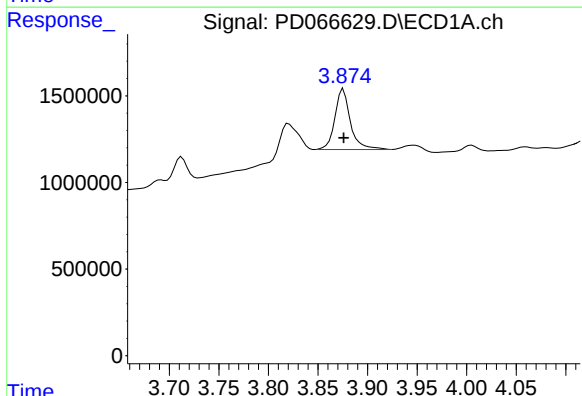
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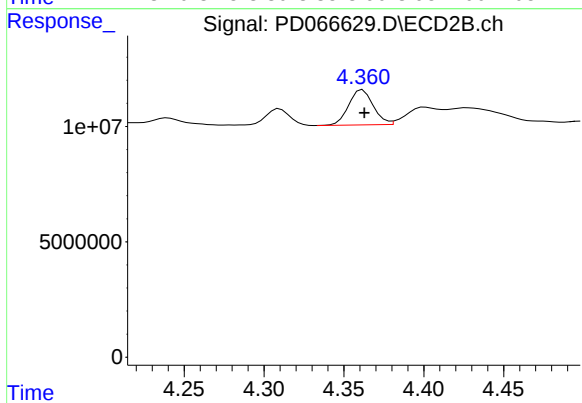
#1 Tetrachloro-m-xylene

R.T.: 3.969 min  
Delta R.T.: 0.000 min  
Response: 173441055  
Conc: 21.43 ng/ml



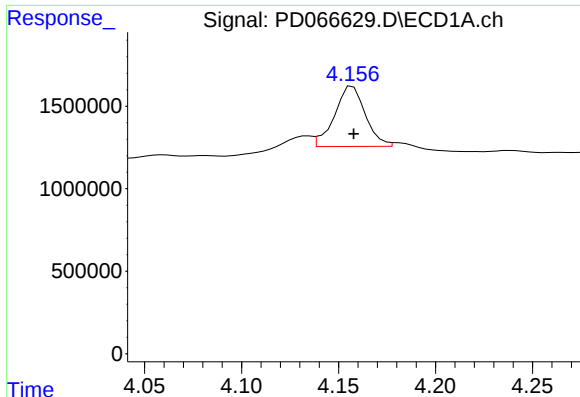
#2 alpha-BHC

R.T.: 3.876 min  
Delta R.T.: 0.000 min  
Response: 3796494  
Conc: 1.24 ng/ml



#2 alpha-BHC

R.T.: 4.362 min  
Delta R.T.: -0.001 min  
Response: 16352851  
Conc: 1.48 ng/ml



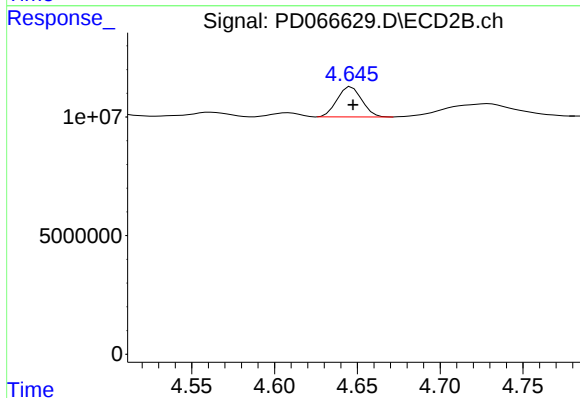
#3 gamma-BHC (Lindane)

R.T.: 4.156 min  
Delta R.T.: -0.002 min  
Response: 3966129  
Conc: 1.31 ng/ml

Instrument :  
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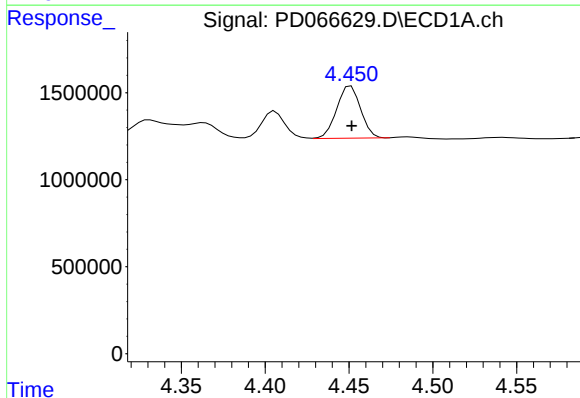
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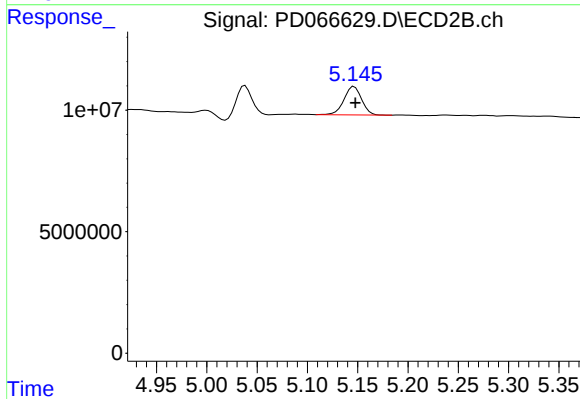
#3 gamma-BHC (Lindane)

R.T.: 4.646 min  
Delta R.T.: 0.000 min  
Response: 13243220  
Conc: 1.33 ng/ml



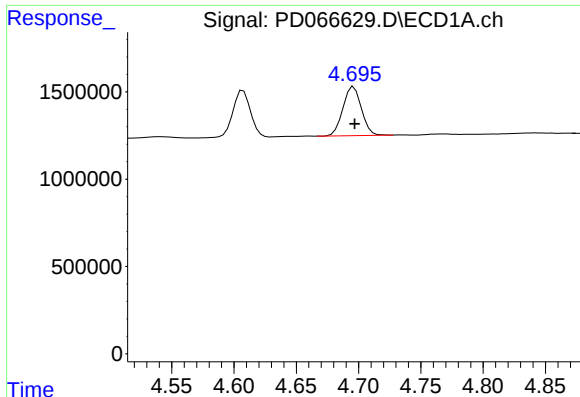
#4 Heptachlor

R.T.: 4.451 min  
Delta R.T.: 0.000 min  
Response: 2983490  
Conc: 1.01 ng/ml



#4 Heptachlor

R.T.: 5.147 min  
Delta R.T.: -0.001 min  
Response: 14210847  
Conc: 1.45 ng/ml



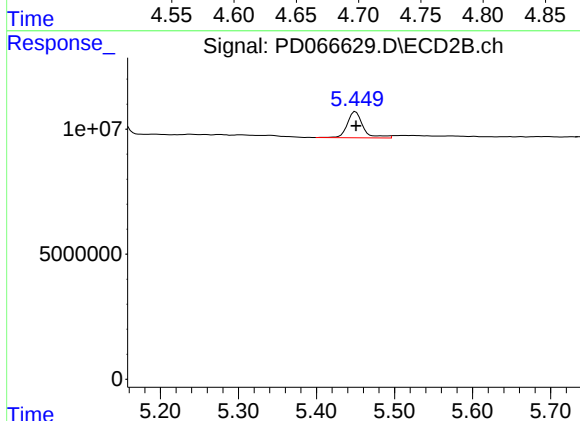
#5 Aldrin

R.T.: 4.696 min  
Delta R.T.: 0.000 min  
Response: 2903736  
Conc: 1.01 ng/ml

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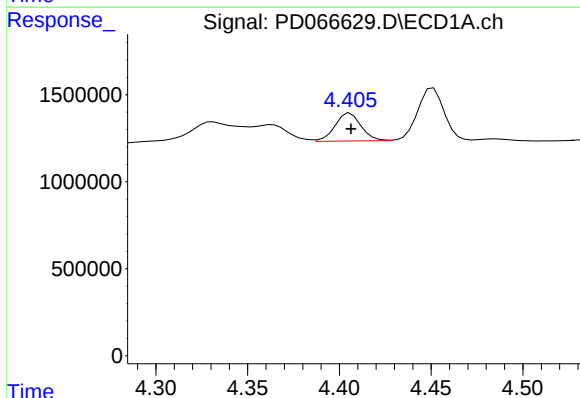
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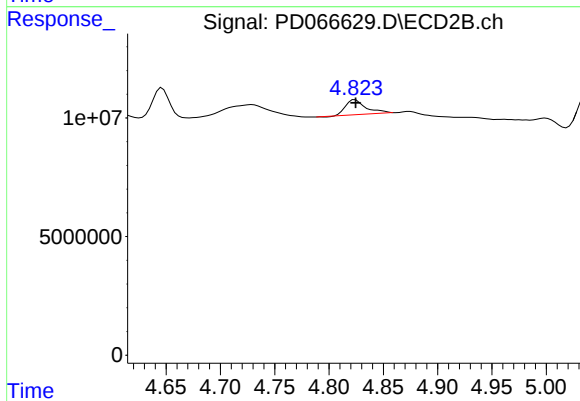
#5 Aldrin

R.T.: 5.450 min  
Delta R.T.: 0.000 min  
Response: 14510784  
Conc: 1.60 ng/ml



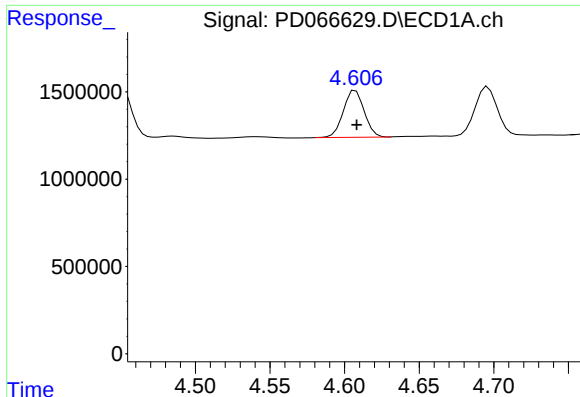
#6 beta-BHC

R.T.: 4.406 min  
Delta R.T.: 0.000 min  
Response: 1589469  
Conc: 1.27 ng/ml



#6 beta-BHC

R.T.: 4.824 min  
Delta R.T.: 0.000 min  
Response: 8183326  
Conc: 1.76 ng/ml



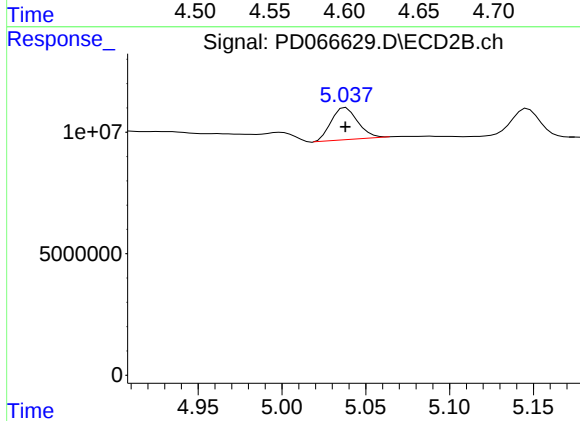
#7 delta-BHC

R.T.: 4.607 min  
Delta R.T.: 0.000 min  
Response: 2623927  
Conc: 0.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2021

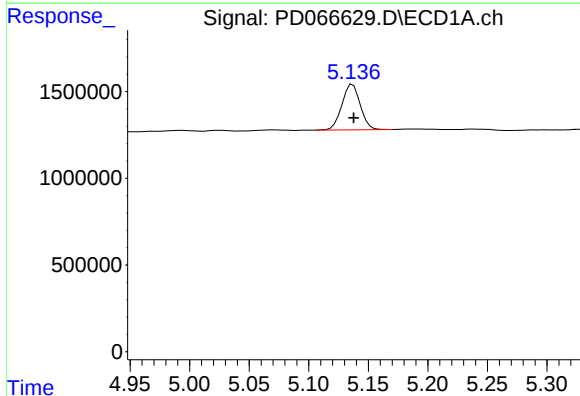
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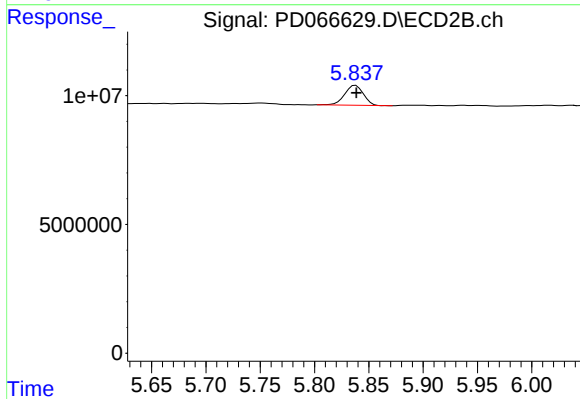
#7 delta-BHC

R.T.: 5.038 min  
Delta R.T.: 0.000 min  
Response: 14426254  
Conc: 1.58 ng/ml



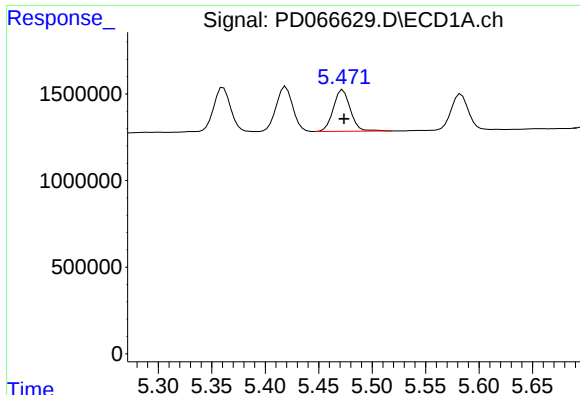
#8 Heptachlor epoxide

R.T.: 5.137 min  
Delta R.T.: 0.000 min  
Response: 2806417  
Conc: 1.08 ng/ml



#8 Heptachlor epoxide

R.T.: 5.838 min  
Delta R.T.: 0.000 min  
Response: 9372648  
Conc: 1.29 ng/ml



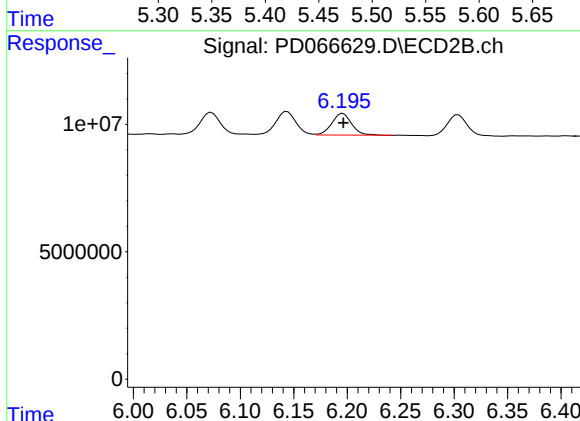
#9 Endosulfan I

R.T.: 5.473 min  
Delta R.T.: 0.000 min  
Response: 2646307  
Conc: 1.11 ng/ml

Instrument :  
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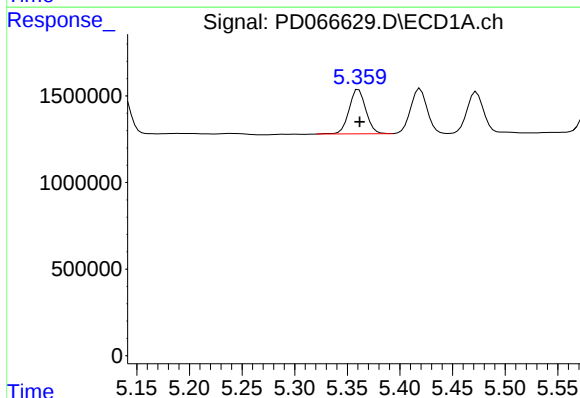
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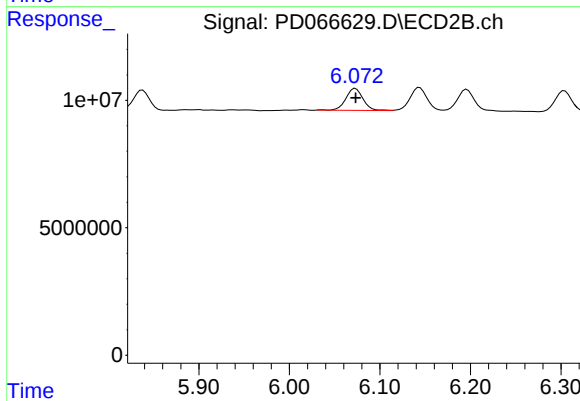
#9 Endosulfan I

R.T.: 6.196 min  
Delta R.T.: 0.000 min  
Response: 10926815  
Conc: 1.39 ng/ml



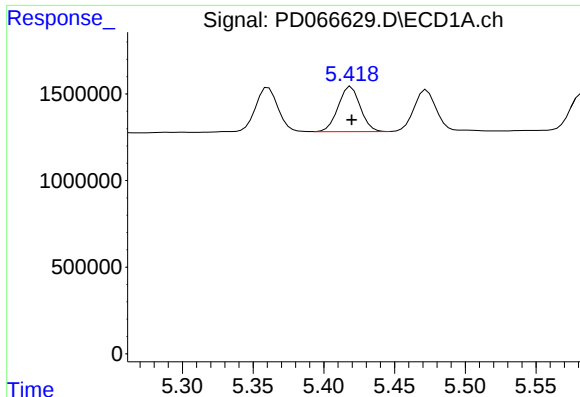
#10 gamma-Chlordane

R.T.: 5.361 min  
Delta R.T.: -0.001 min  
Response: 2870118  
Conc: 1.10 ng/ml



#10 gamma-Chlordane

R.T.: 6.073 min  
Delta R.T.: 0.000 min  
Response: 11273401  
Conc: 1.35 ng/ml



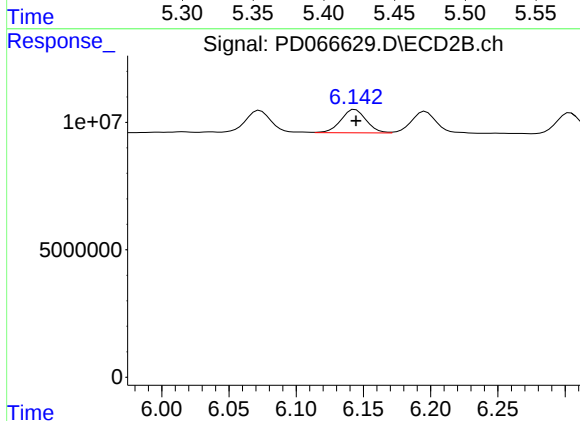
#11 alpha-Chlordane

R.T.: 5.419 min  
Delta R.T.: 0.000 min  
Response: 2835760  
Conc: 1.10 ng/ml

Instrument :  
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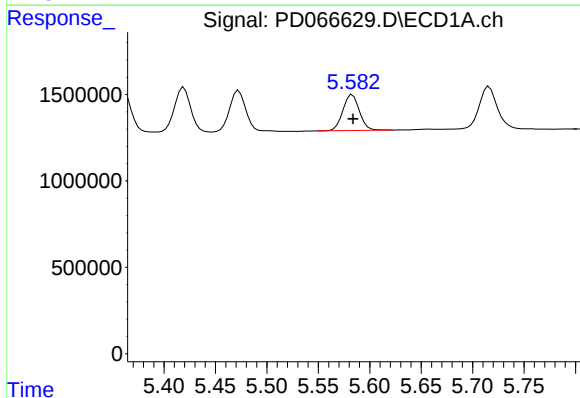
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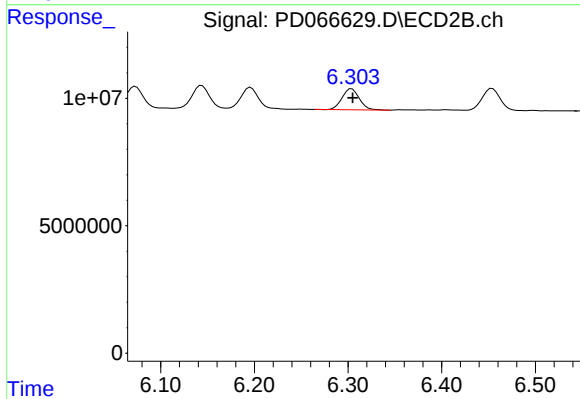
#11 alpha-Chlordane

R.T.: 6.144 min  
Delta R.T.: 0.000 min  
Response: 11874379  
Conc: 1.43 ng/ml



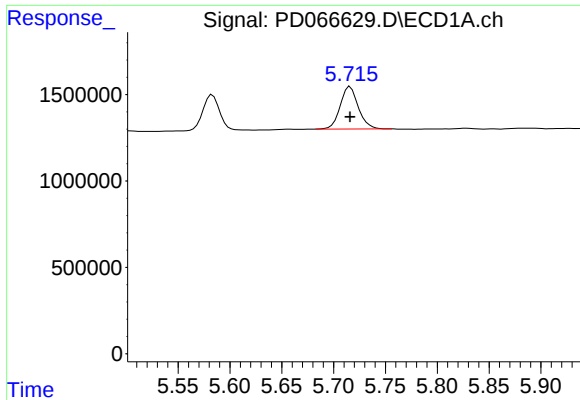
#12 4,4'-DDE

R.T.: 5.583 min  
Delta R.T.: 0.000 min  
Response: 2328548  
Conc: 1.00 ng/ml



#12 4,4'-DDE

R.T.: 6.304 min  
Delta R.T.: 0.000 min  
Response: 10589659  
Conc: 1.34 ng/ml



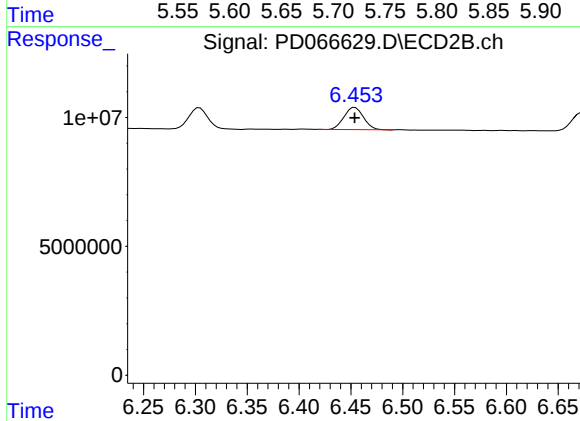
#13 Dieldrin

R.T.: 5.716 min  
Delta R.T.: 0.000 min  
Response: 2984724  
Conc: 1.19 ng/ml

Instrument :  
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LOD-MDL-WATER-01-QT4-2021

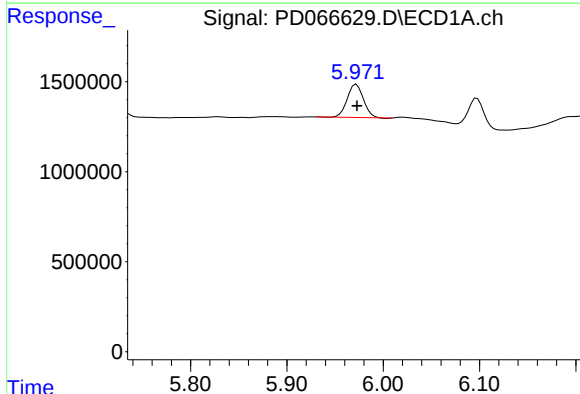
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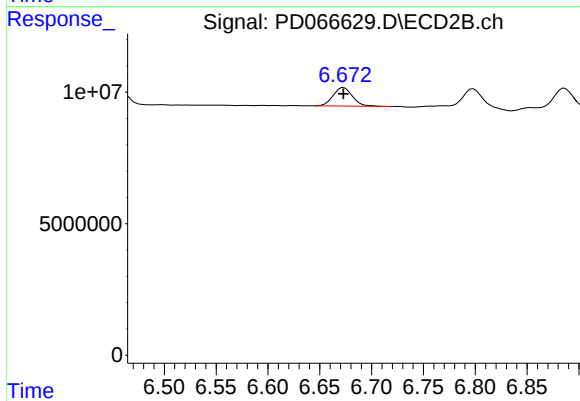
#13 Dieldrin

R.T.: 6.454 min  
Delta R.T.: 0.000 min  
Response: 11305033  
Conc: 1.36 ng/ml



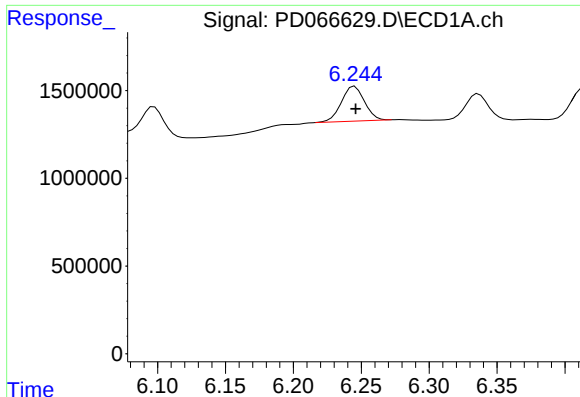
#14 Endrin

R.T.: 5.972 min  
Delta R.T.: 0.000 min  
Response: 2126134  
Conc: 1.02 ng/ml



#14 Endrin

R.T.: 6.673 min  
Delta R.T.: 0.000 min  
Response: 9200384  
Conc: 1.34 ng/ml



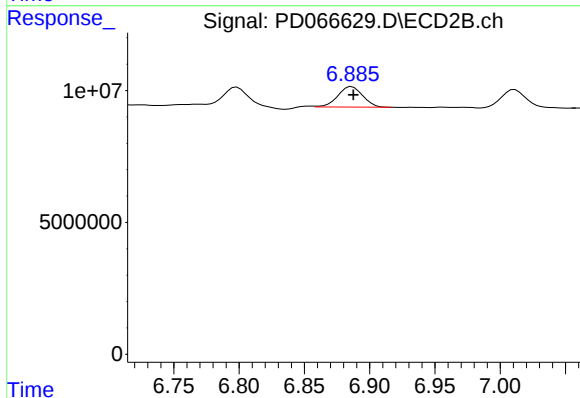
#15 Endosulfan II

R.T.: 6.244 min  
Delta R.T.: -0.002 min  
Response: 2363676  
Conc: 1.19 ng/ml

Instrument :  
ECD\_D  
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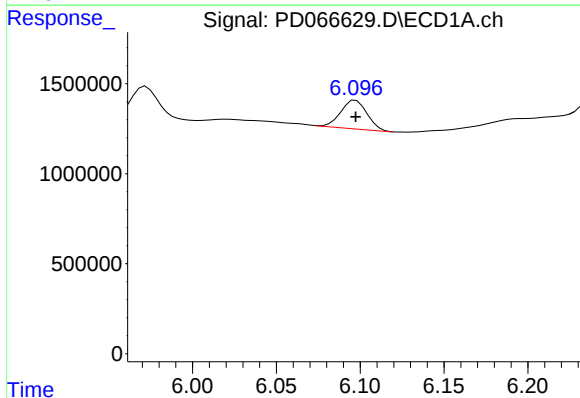
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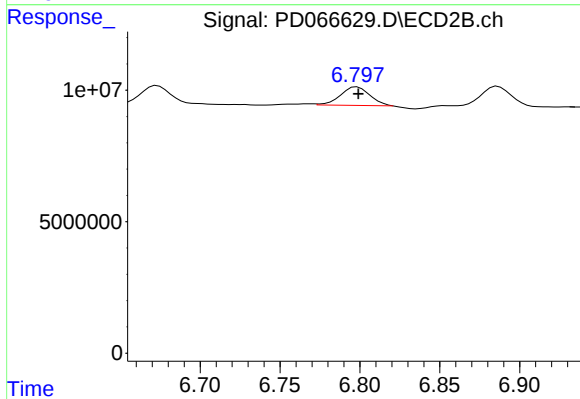
#15 Endosulfan II

R.T.: 6.885 min  
Delta R.T.: -0.003 min  
Response: 10249637  
Conc: 1.45 ng/ml m



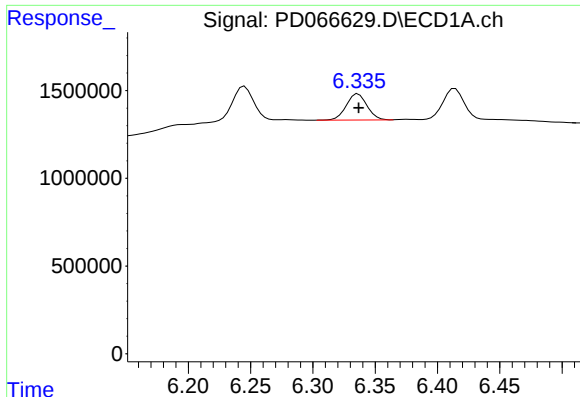
#16 4,4'-DDD

R.T.: 6.096 min  
Delta R.T.: -0.001 min  
Response: 1740912  
Conc: 0.93 ng/ml m



#16 4,4'-DDD

R.T.: 6.797 min  
Delta R.T.: -0.002 min  
Response: 9045757  
Conc: 1.33 ng/ml m



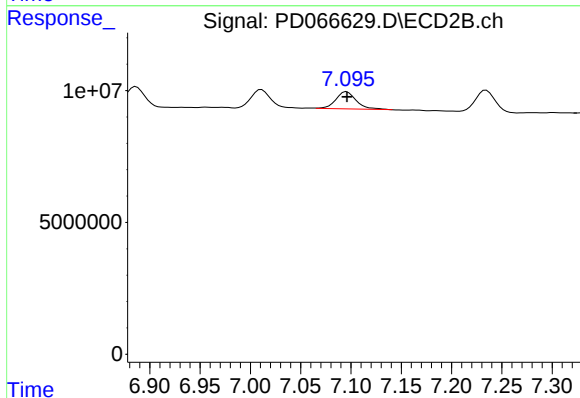
#17 4,4'-DDT

R.T.: 6.336 min  
Delta R.T.: 0.000 min  
Response: 1737501  
Conc: 0.90 ng/ml

Instrument :  
ECD\_D  
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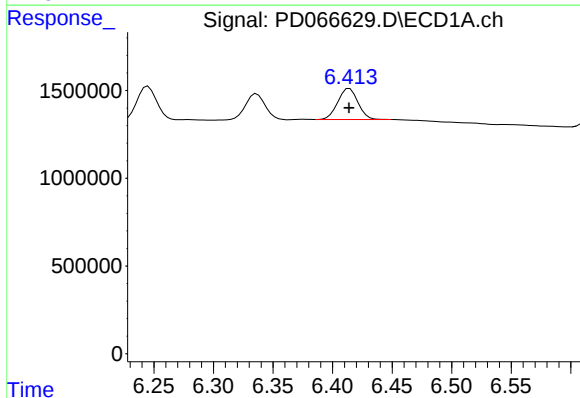
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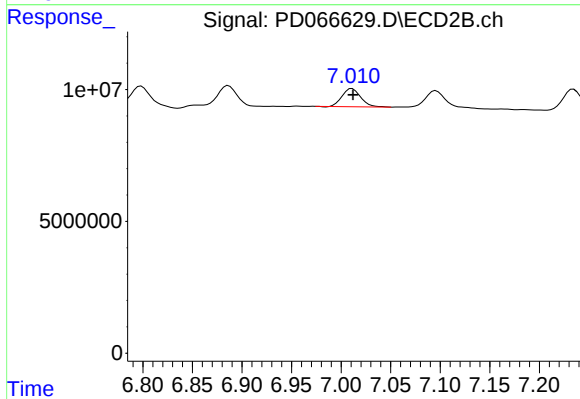
#17 4,4'-DDT

R.T.: 7.096 min  
Delta R.T.: 0.000 min  
Response: 9202163  
Conc: 1.27 ng/ml



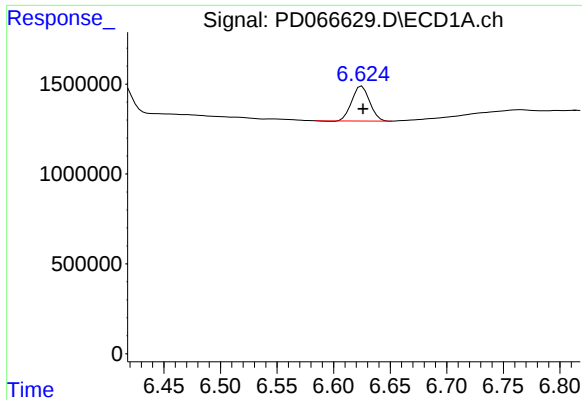
#18 Endrin aldehyde

R.T.: 6.413 min  
Delta R.T.: 0.000 min  
Response: 2097371  
Conc: 1.36 ng/ml m



#18 Endrin aldehyde

R.T.: 7.011 min  
Delta R.T.: 0.000 min  
Response: 8928075  
Conc: 1.57 ng/ml



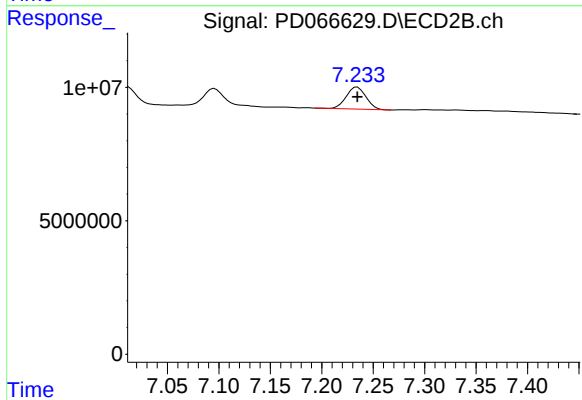
#19 Endosulfan Sulfate

R.T.: 6.625 min  
Delta R.T.: 0.000 min  
Response: 2133568  
Conc: 1.15 ng/ml

Instrument :  
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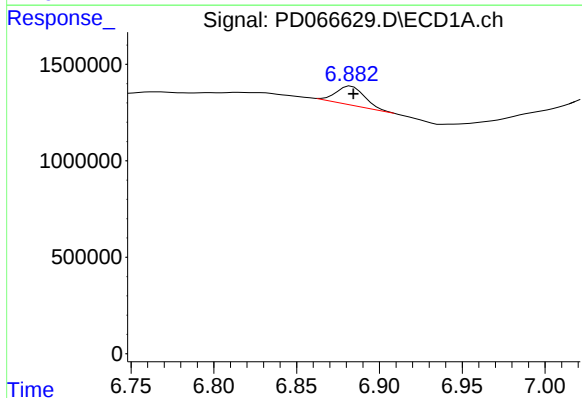
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Supervised By :mohammad ahmed 11/01/2021



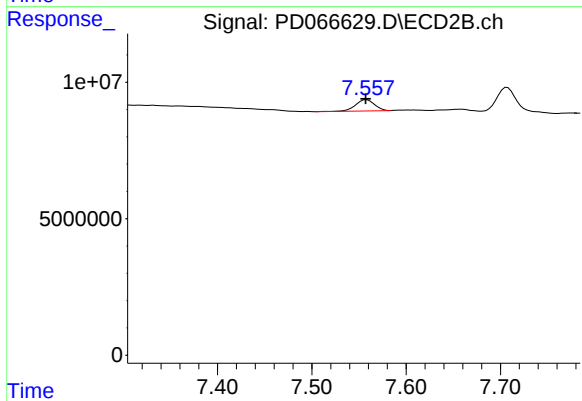
#19 Endosulfan Sulfate

R.T.: 7.235 min  
Delta R.T.: 0.000 min  
Response: 11147544  
Conc: 1.54 ng/ml



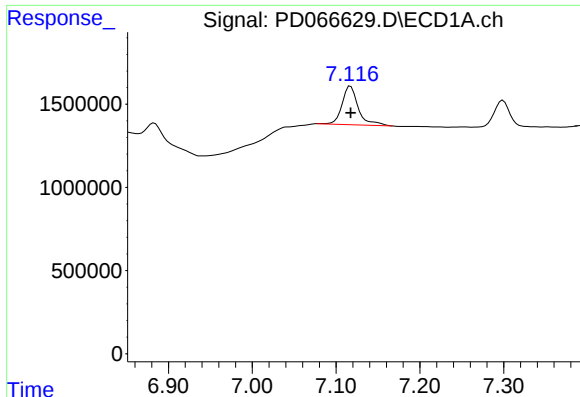
#20 Methoxychlor

R.T.: 6.882 min  
Delta R.T.: -0.003 min  
Response: 1163564  
Conc: 1.13 ng/ml m



#20 Methoxychlor

R.T.: 7.558 min  
Delta R.T.: 0.001 min  
Response: 5706483  
Conc: 1.40 ng/ml



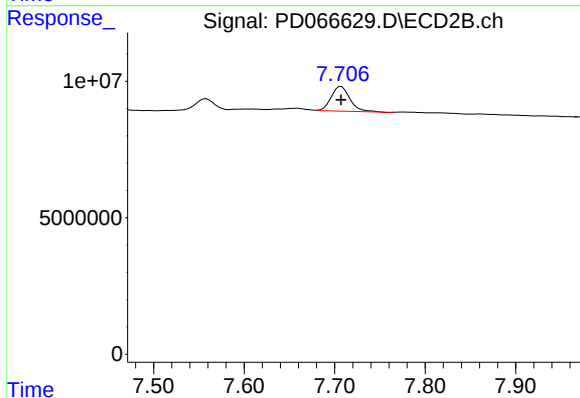
#21 Endrin ketone

R.T.: 7.117 min  
Delta R.T.: 0.000 min  
Response: 3104673  
Conc: 1.42 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2021

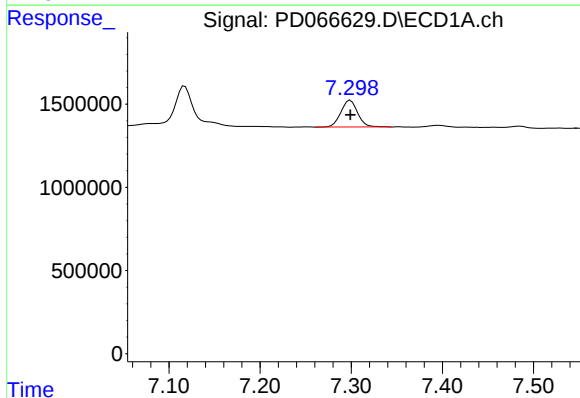
Manual Integrations  
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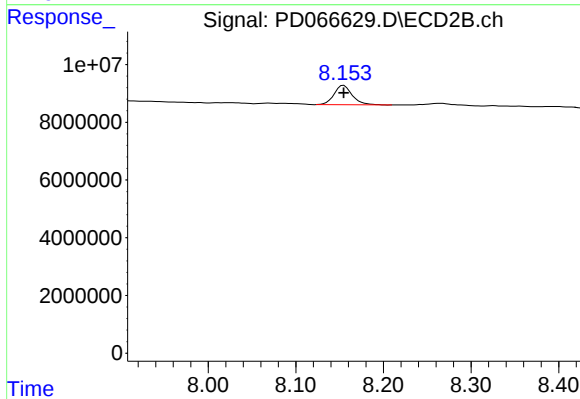
#21 Endrin ketone

R.T.: 7.707 min  
Delta R.T.: 0.000 min  
Response: 12916502  
Conc: 1.54 ng/ml



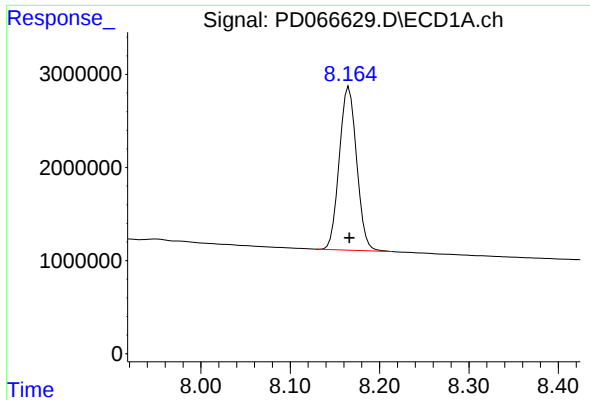
#22 Mirex

R.T.: 7.299 min  
Delta R.T.: 0.000 min  
Response: 2058339  
Conc: 1.32 ng/ml



#22 Mirex

R.T.: 8.155 min  
Delta R.T.: 0.000 min  
Response: 9494927  
Conc: 1.61 ng/ml



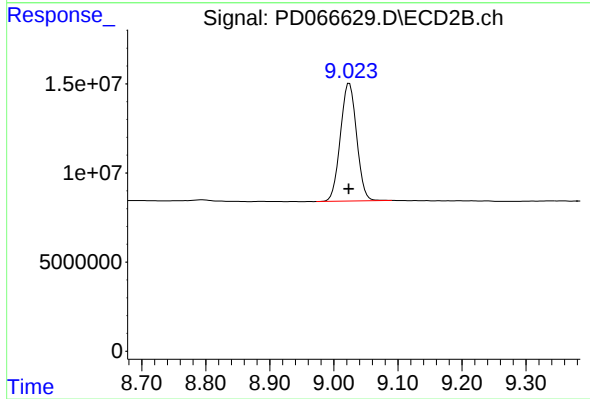
#28 Decachlorobiphenyl

R.T.: 8.166 min  
Delta R.T.: 0.000 min  
Response: 23700831  
Conc: 20.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT4-2021

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 9.024 min  
Delta R.T.: 0.001 min  
Response: 116257665  
Conc: 21.58 ng/ml