

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\pd040222\  
 Data File : PD068876.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Mar 2022 12:36  
 Operator : AR\AJ  
 Sample : N1645-09  
 Misc : PEST MDL 1PPB  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 MDL-WATER-03-QT1-2022

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 04/01/2022  
 Supervised By :mohammad ahmed 04/01/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 01 03:55:57 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD031222.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Mar 14 03:30:32 2022  
 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... | 3.455 | 4.174 | 25010167 | 224.2E6  | 20.598 | 23.446  |
| 2)                          | SA Decachlor... | 8.216 | 9.376 | 27368889 | 142.0E6  | 21.663 | 25.055  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.895 | 4.570 | 2049354  | 20389011 | 1.132  | 1.481 # |
| 3)                          | MA gamma-BHC... | 4.180 | 4.862 | 2200091  | 20660251 | 1.318  | 1.652 # |
| 4)                          | MA Heptachlor   | 4.478 | 5.389 | 1845992  | 18896461 | 1.120  | 1.590 # |
| 5)                          | MB Aldrin       | 4.726 | 5.702 | 1925964  | 19840743 | 1.205  | 1.728 # |
| 6)                          | B beta-BHC      | 4.430 | 5.025 | 936360   | 10952611 | 1.258  | 1.995 # |
| 7)                          | B delta-BHC     | 4.634 | 5.250 | 1812703  | 19737477 | 1.109  | 1.641 # |
| 8)                          | B Heptachlo...  | 5.171 | 6.089 | 1849094  | 20350630 | 1.236  | 1.949m# |
| 9)                          | A Endosulfan I  | 5.509 | 6.454 | 1775943  | 17039170 | 1.269  | 1.817 # |
| 10)                         | B gamma-Chl...  | 5.395 | 6.326 | 1931147  | 17032503 | 1.273m | 1.652m# |
| 11)                         | B alpha-Chl...  | 5.455 | 6.401 | 1952490  | 17466860 | 1.306  | 1.754m# |
| 12)                         | B 4,4'-DDE      | 5.620 | 6.553 | 1601631  | 15503837 | 1.171m | 1.673 # |
| 13)                         | MA Dieldrin     | 5.752 | 6.713 | 1830564  | 16468808 | 1.254  | 1.696 # |
| 14)                         | MA Endrin       | 6.012 | 6.931 | 1647994  | 11193984 | 1.251  | 1.447m  |
| 15)                         | B Endosulfa...  | 6.286 | 7.138 | 1737004  | 14000095 | 1.394  | 1.852 # |
| 16)                         | A 4,4'-DDD      | 6.139 | 7.043 | 1473181  | 12153336 | 1.249  | 1.646m# |
| 17)                         | MA 4,4'-DDT     | 6.378 | 7.348 | 1089263  | 10391280 | 0.906m | 1.414 # |
| 18)                         | B Endrin al...  | 6.455 | 7.263 | 1526059  | 11547661 | 1.537  | 1.908   |
| 19)                         | B Endosulfa...  | 6.668 | 7.487 | 1808752  | 12960665 | 1.414  | 1.762   |
| 20)                         | A Methoxychlor  | 6.931 | 7.801 | 717438   | 5302309  | 1.035  | 1.455 # |
| 21)                         | B Endrin ke...  | 7.160 | 7.964 | 1977474  | 18036231 | 1.343  | 2.328 # |
| 22)                         | Mirex           | 7.344 | 8.429 | 1856275  | 10253678 | 1.566  | 1.871   |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\pd040222\  
 Data File : PD068876.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Mar 2022 12:36  
 Operator : AR\AJ  
 Sample : N1645-09  
 Misc : PEST MDL 1PPB  
 ALS Vial : 8 Sample Multiplier: 1

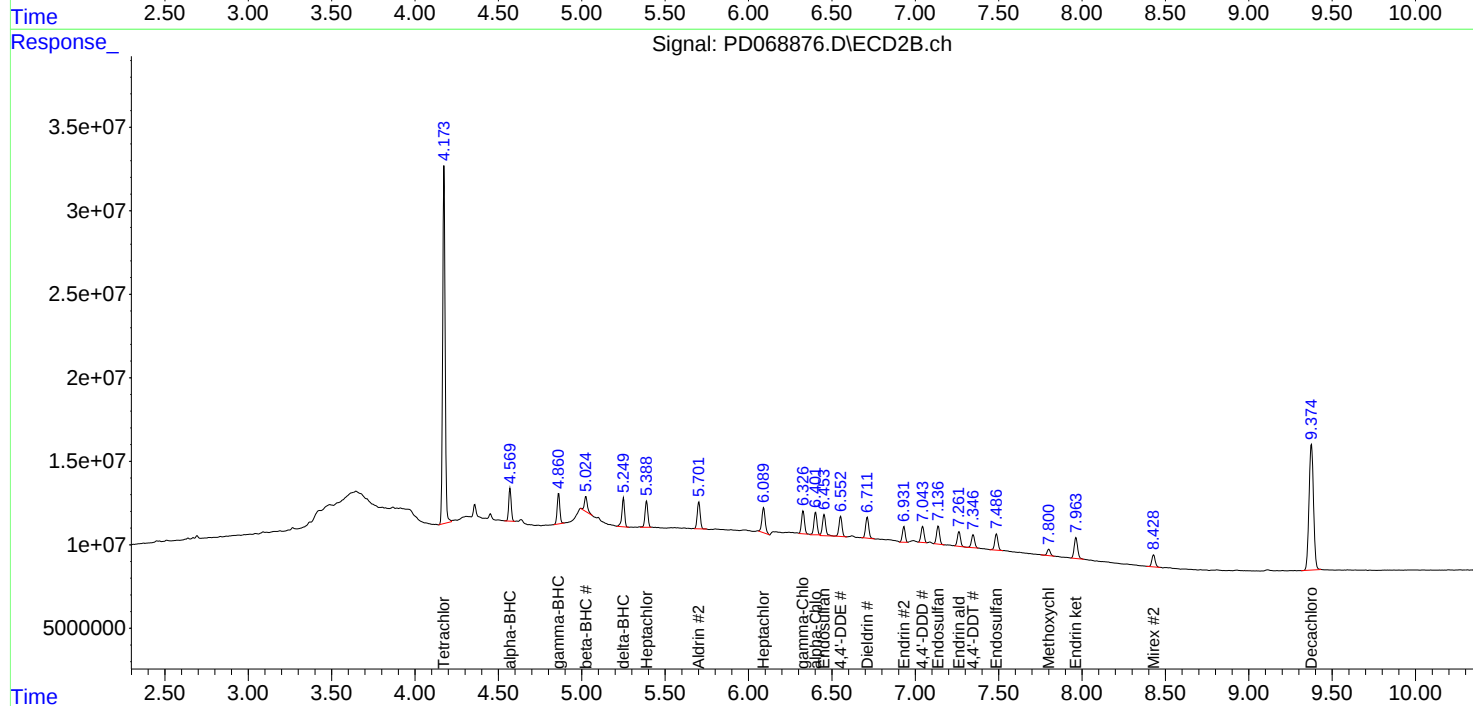
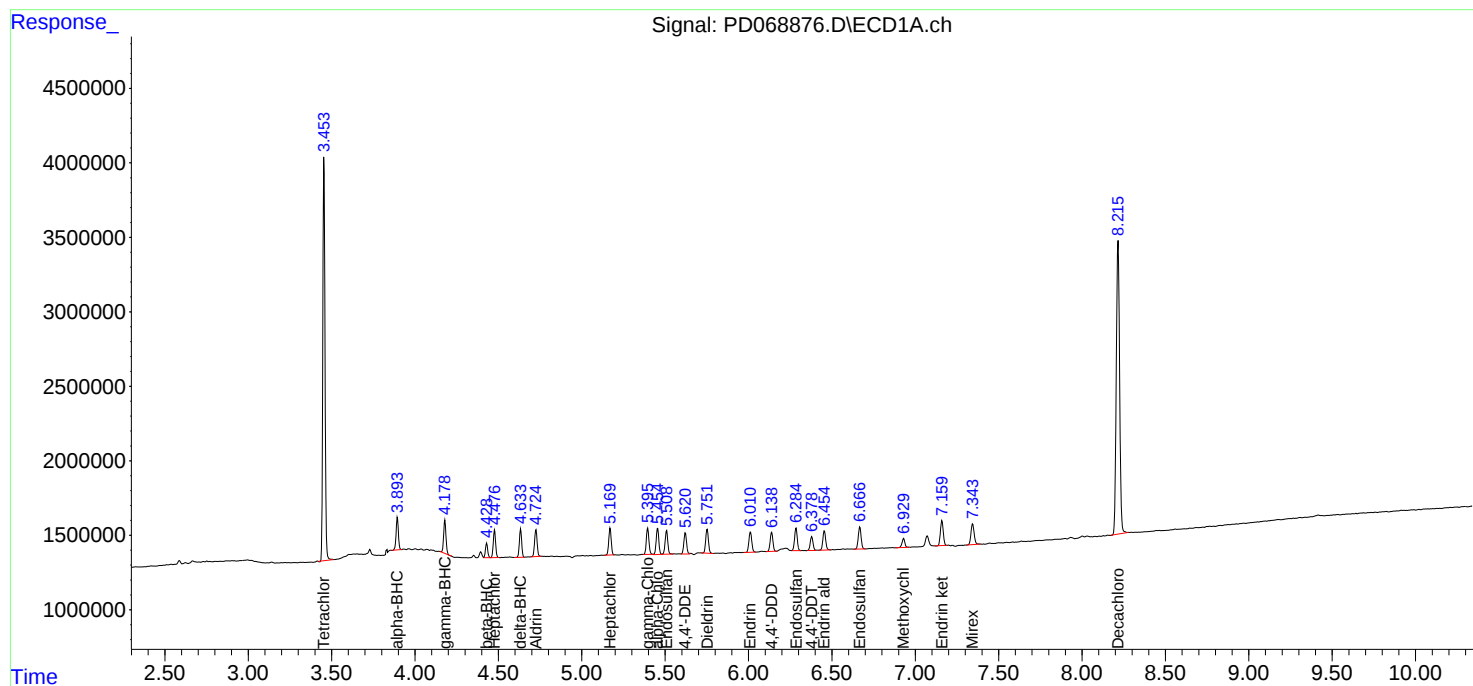
Instrument :  
 ECD\_D  
 ClientSampleId :  
 MDL-WATER-03-QT1-2022

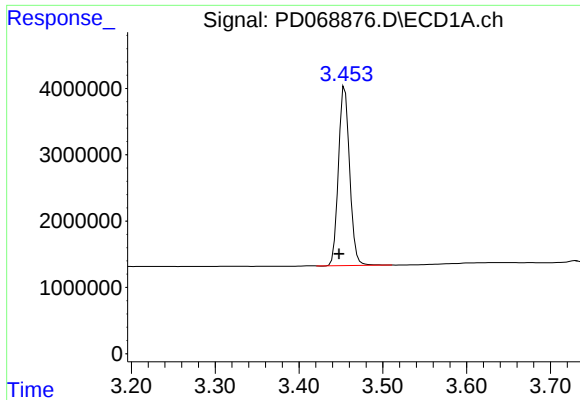
### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/01/2022  
 Supervised By :mohammad ahmed 04/01/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 01 03:55:57 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD031222.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Mar 14 03:30:32 2022  
 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





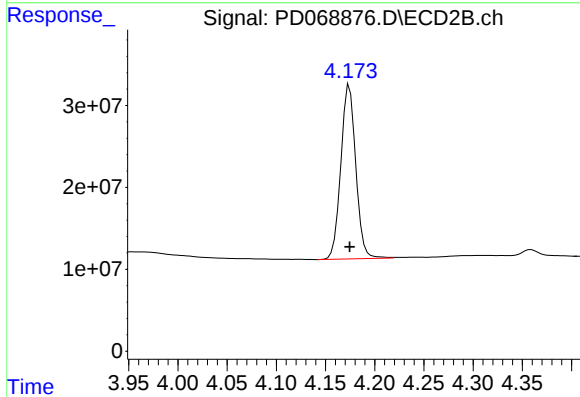
#1 Tetrachloro-m-xylene

R.T.: 3.455 min  
Delta R.T.: 0.007 min  
Response: 25010167  
Conc: 20.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

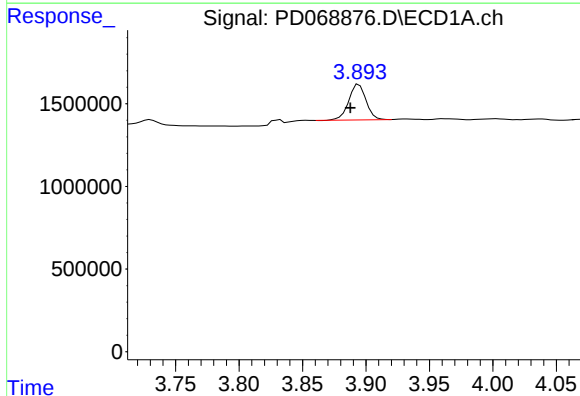
Manual Integrations  
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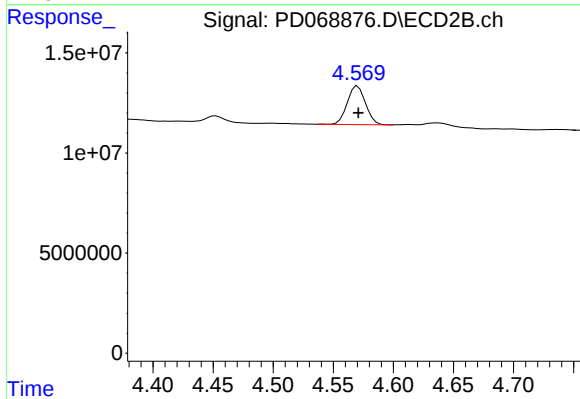
#1 Tetrachloro-m-xylene

R.T.: 4.174 min  
Delta R.T.: 0.000 min  
Response: 224164765  
Conc: 23.45 ng/ml



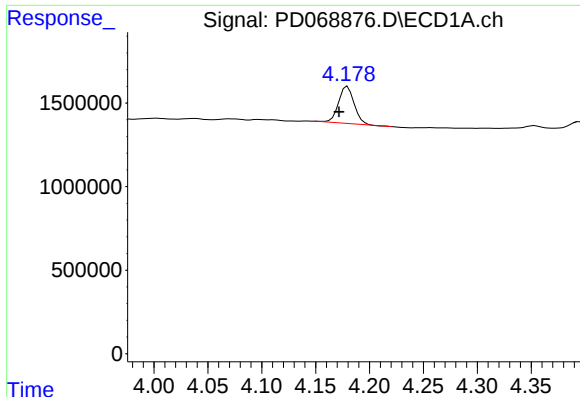
#2 alpha-BHC

R.T.: 3.895 min  
Delta R.T.: 0.007 min  
Response: 2049354  
Conc: 1.13 ng/ml



#2 alpha-BHC

R.T.: 4.570 min  
Delta R.T.: 0.000 min  
Response: 20389011  
Conc: 1.48 ng/ml



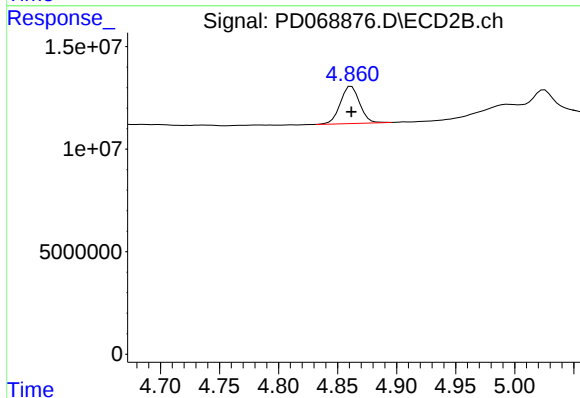
#3 gamma-BHC (Lindane)

R.T.: 4.180 min  
Delta R.T.: 0.008 min  
Response: 2200091  
Conc: 1.32 ng/ml

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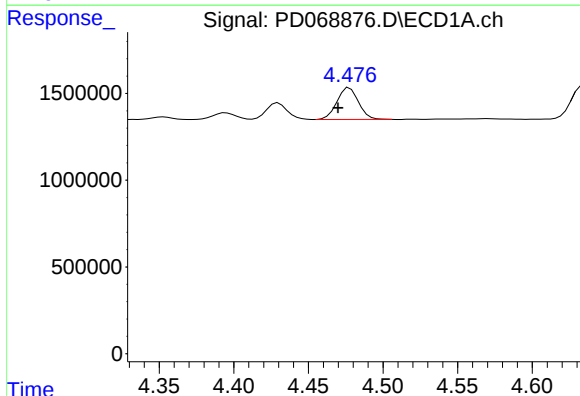
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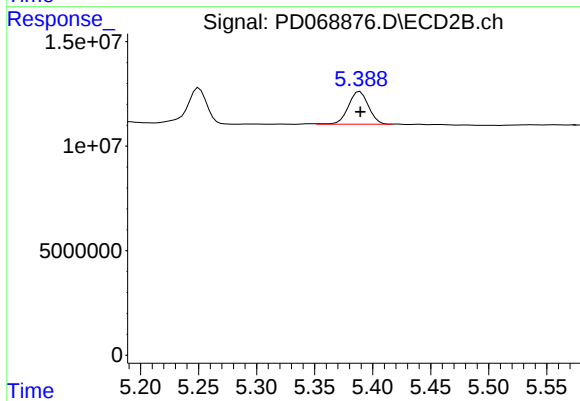
#3 gamma-BHC (Lindane)

R.T.: 4.862 min  
Delta R.T.: 0.000 min  
Response: 20660251  
Conc: 1.65 ng/ml



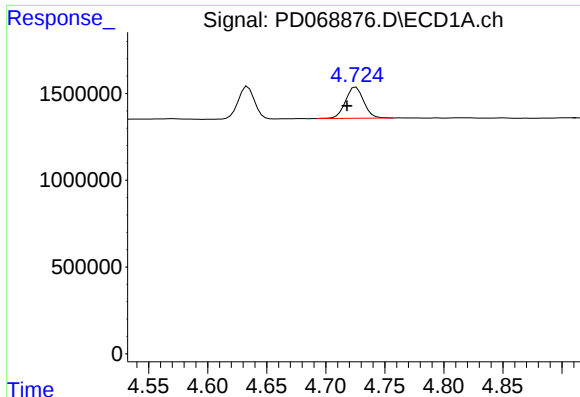
#4 Heptachlor

R.T.: 4.478 min  
Delta R.T.: 0.008 min  
Response: 1845992  
Conc: 1.12 ng/ml



#4 Heptachlor

R.T.: 5.389 min  
Delta R.T.: 0.000 min  
Response: 18896461  
Conc: 1.59 ng/ml



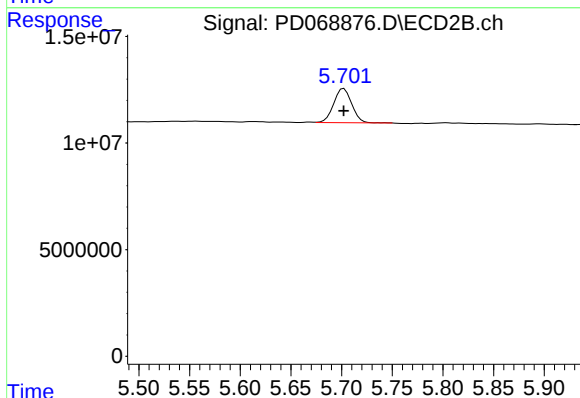
#5 Aldrin

R.T.: 4.726 min  
Delta R.T.: 0.008 min  
Response: 1925964  
Conc: 1.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

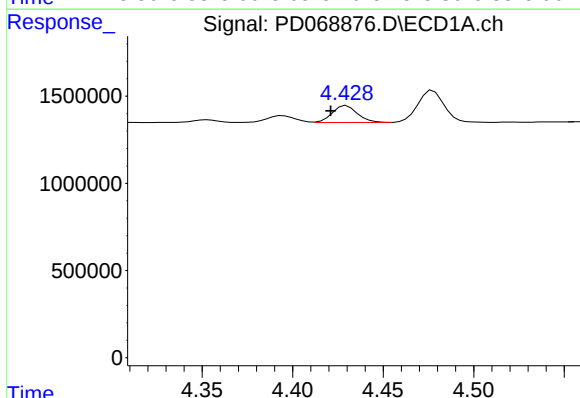
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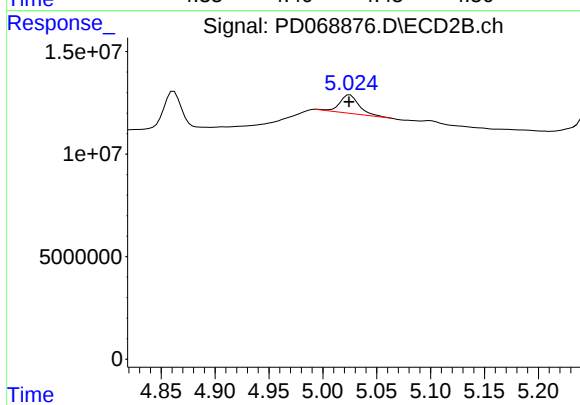
#5 Aldrin

R.T.: 5.702 min  
Delta R.T.: 0.000 min  
Response: 19840743  
Conc: 1.73 ng/ml



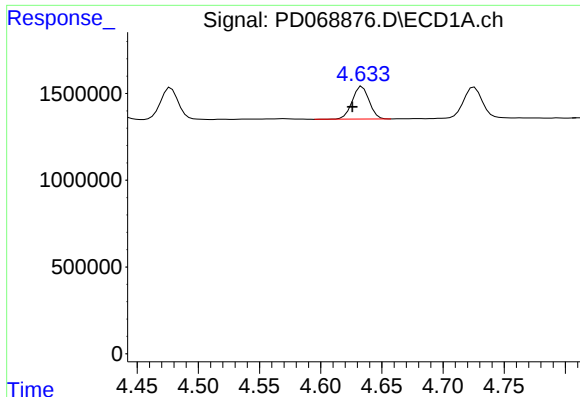
#6 beta-BHC

R.T.: 4.430 min  
Delta R.T.: 0.009 min  
Response: 936360  
Conc: 1.26 ng/ml



#6 beta-BHC

R.T.: 5.025 min  
Delta R.T.: 0.000 min  
Response: 10952611  
Conc: 2.00 ng/ml



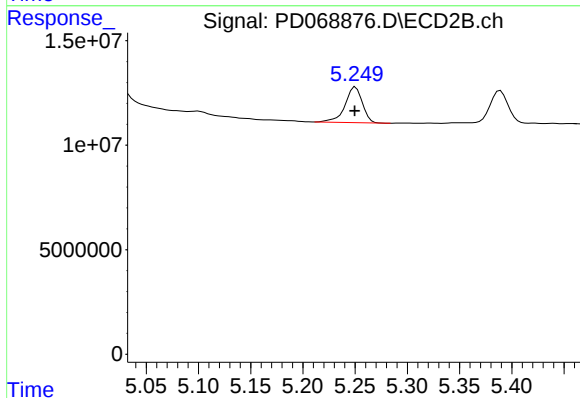
#7 delta-BHC

R.T.: 4.634 min  
Delta R.T.: 0.008 min  
Response: 1812703  
Conc: 1.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

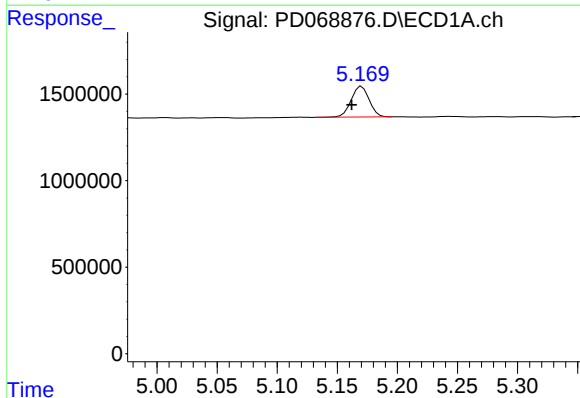
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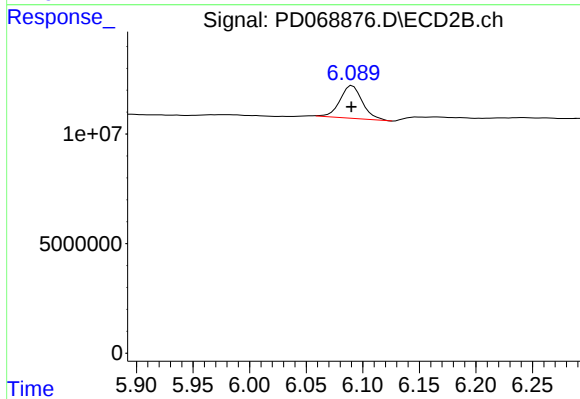
#7 delta-BHC

R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 19737477  
Conc: 1.64 ng/ml



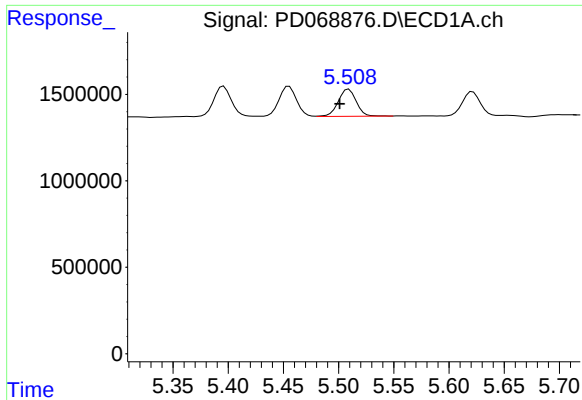
#8 Heptachlor epoxide

R.T.: 5.171 min  
Delta R.T.: 0.009 min  
Response: 1849094  
Conc: 1.24 ng/ml



#8 Heptachlor epoxide

R.T.: 6.089 min  
Delta R.T.: 0.000 min  
Response: 20350630  
Conc: 1.95 ng/ml m



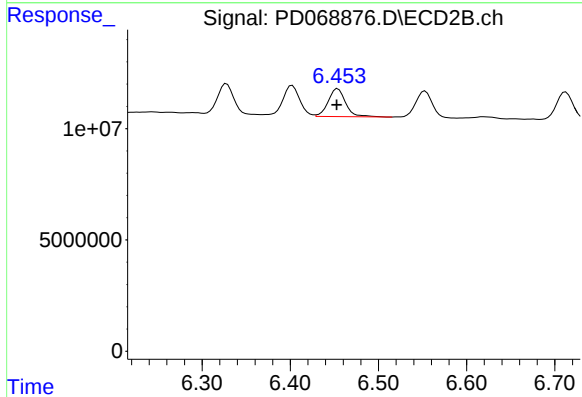
#9 Endosulfan I

R.T.: 5.509 min  
Delta R.T.: 0.008 min  
Response: 1775943  
Conc: 1.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

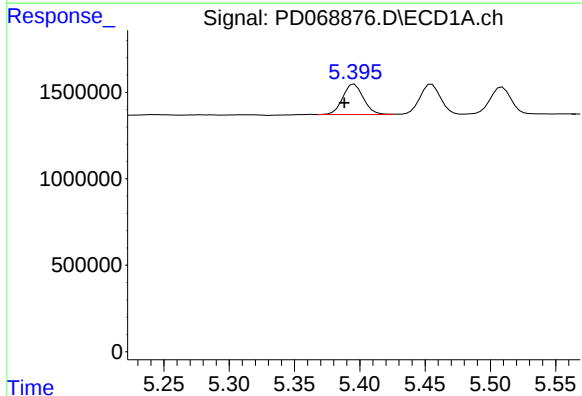
Manual Integrations  
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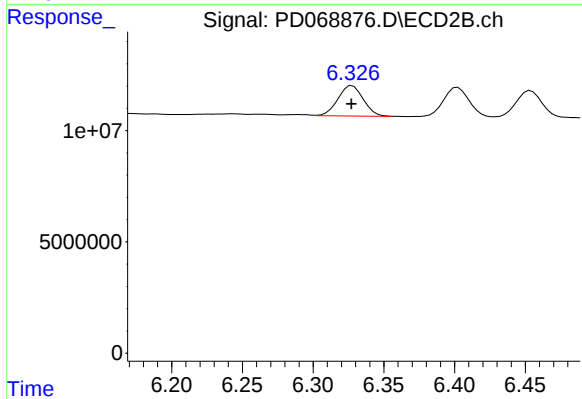
#9 Endosulfan I

R.T.: 6.454 min  
Delta R.T.: 0.001 min  
Response: 17039170  
Conc: 1.82 ng/ml



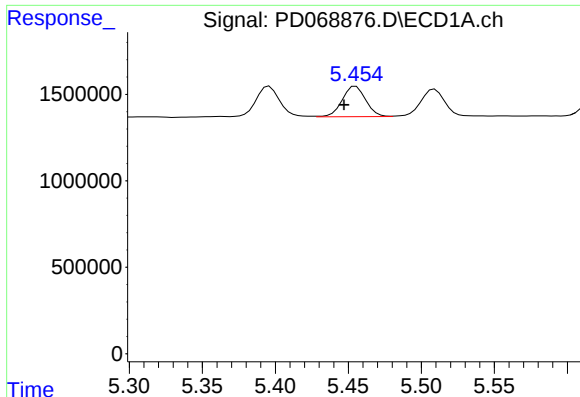
#10 gamma-Chlordane

R.T.: 5.395 min  
Delta R.T.: 0.006 min  
Response: 1931147  
Conc: 1.27 ng/ml m



#10 gamma-Chlordane

R.T.: 6.326 min  
Delta R.T.: 0.000 min  
Response: 17032503  
Conc: 1.65 ng/ml m



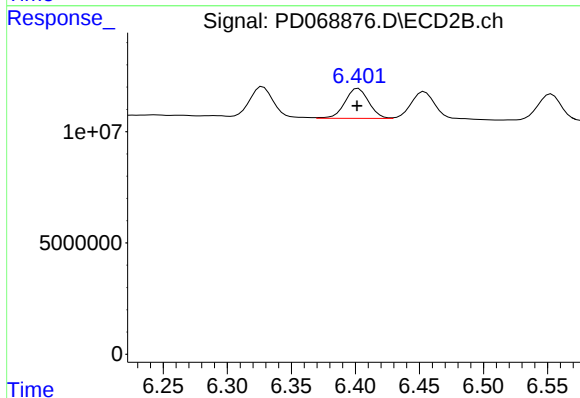
#11 alpha-Chlordane

R.T.: 5.455 min  
Delta R.T.: 0.008 min  
Response: 1952490  
Conc: 1.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

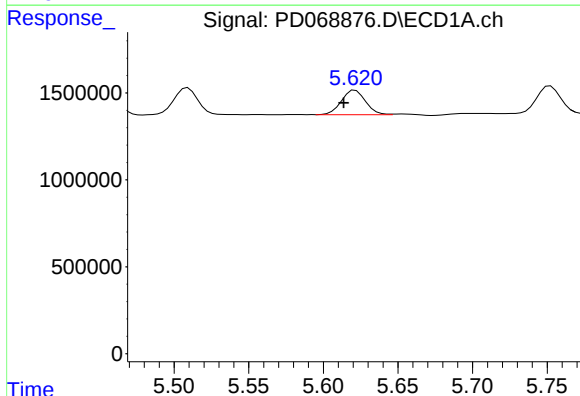
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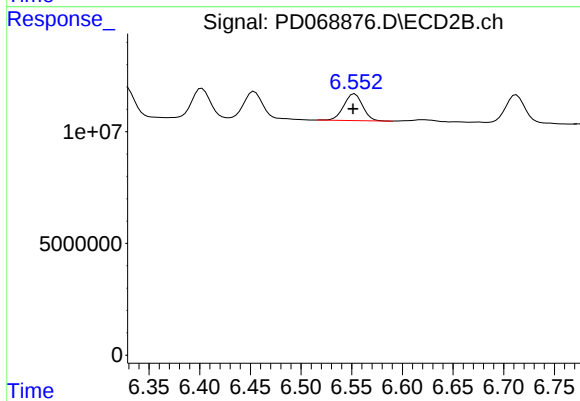
#11 alpha-Chlordane

R.T.: 6.401 min  
Delta R.T.: 0.000 min  
Response: 17466860  
Conc: 1.75 ng/ml m



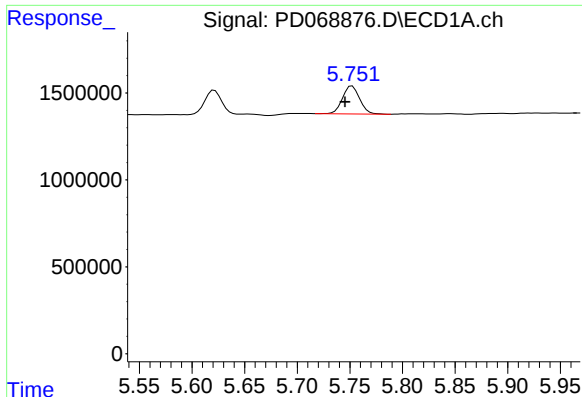
#12 4,4'-DDE

R.T.: 5.620 min  
Delta R.T.: 0.006 min  
Response: 1601631  
Conc: 1.17 ng/ml m



#12 4,4'-DDE

R.T.: 6.553 min  
Delta R.T.: 0.002 min  
Response: 15503837  
Conc: 1.67 ng/ml



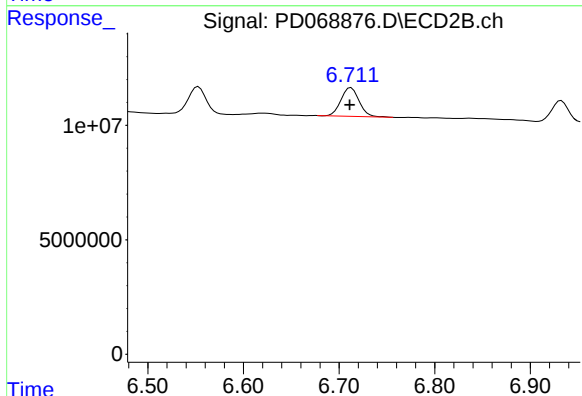
#13 Dieldrin

R.T.: 5.752 min  
Delta R.T.: 0.007 min  
Response: 1830564  
Conc: 1.25 ng/ml

Instrument :  
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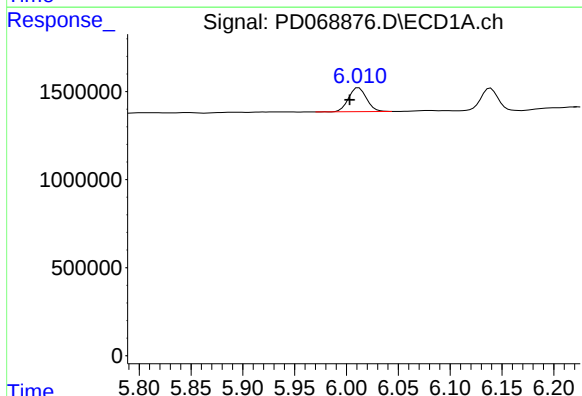
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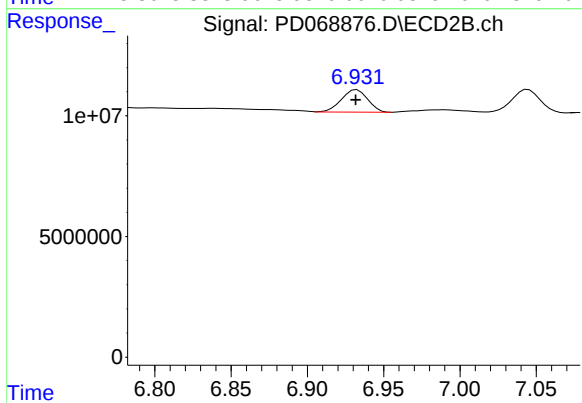
#13 Dieldrin

R.T.: 6.713 min  
Delta R.T.: 0.001 min  
Response: 16468808  
Conc: 1.70 ng/ml



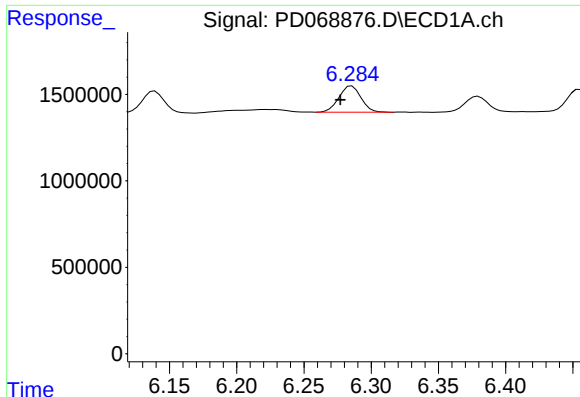
#14 Endrin

R.T.: 6.012 min  
Delta R.T.: 0.009 min  
Response: 1647994  
Conc: 1.25 ng/ml



#14 Endrin

R.T.: 6.931 min  
Delta R.T.: 0.000 min  
Response: 11193984  
Conc: 1.45 ng/ml m



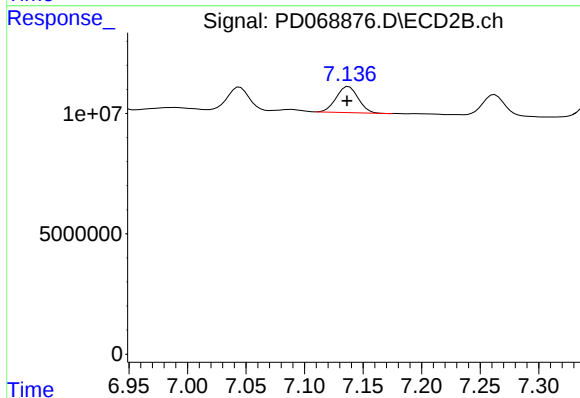
#15 Endosulfan II

R.T.: 6.286 min  
Delta R.T.: 0.009 min  
Response: 1737004  
Conc: 1.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

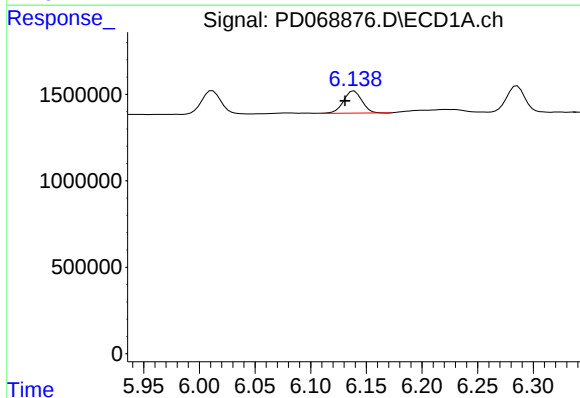
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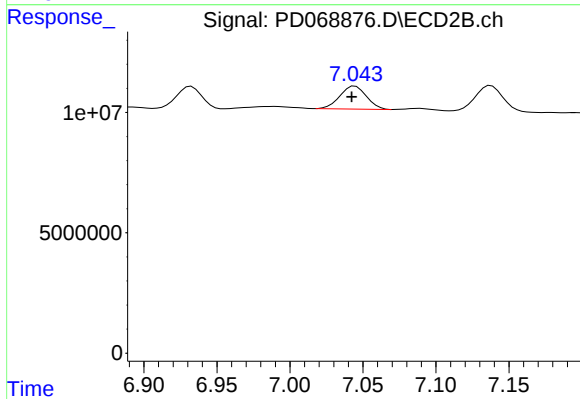
#15 Endosulfan II

R.T.: 7.138 min  
Delta R.T.: 0.001 min  
Response: 14000095  
Conc: 1.85 ng/ml



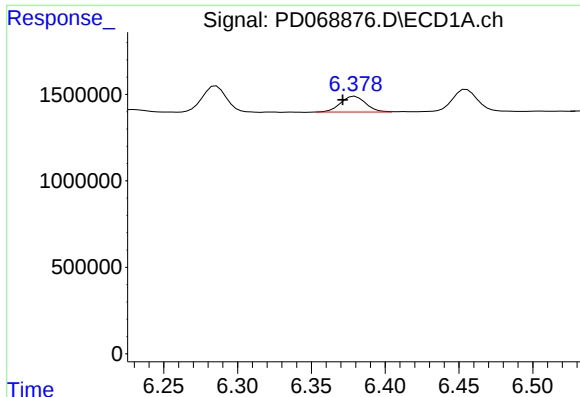
#16 4,4'-DDD

R.T.: 6.139 min  
Delta R.T.: 0.008 min  
Response: 1473181  
Conc: 1.25 ng/ml



#16 4,4'-DDD

R.T.: 7.043 min  
Delta R.T.: 0.000 min  
Response: 12153336  
Conc: 1.65 ng/ml m



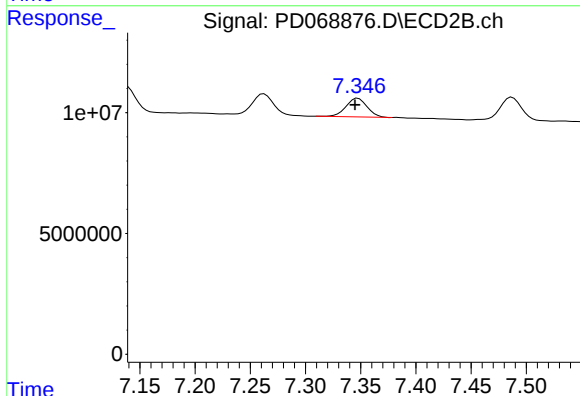
#17 4,4'-DDT

R.T.: 6.378 min  
Delta R.T.: 0.007 min  
Response: 1089263  
Conc: 0.91 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

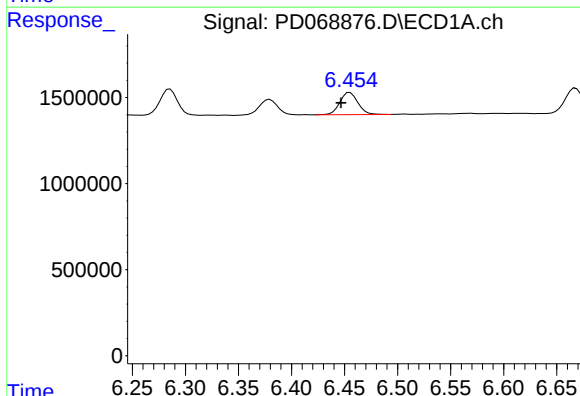
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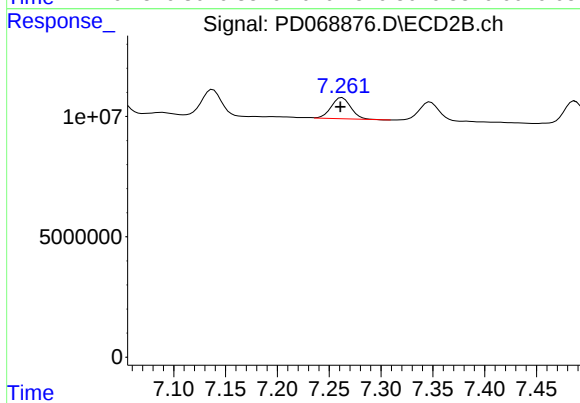
#17 4,4'-DDT

R.T.: 7.348 min  
Delta R.T.: 0.003 min  
Response: 10391280  
Conc: 1.41 ng/ml



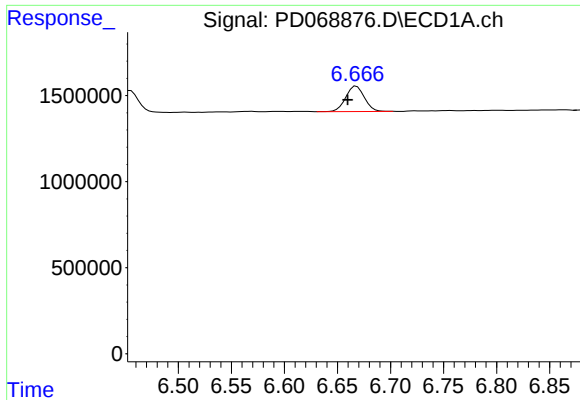
#18 Endrin aldehyde

R.T.: 6.455 min  
Delta R.T.: 0.008 min  
Response: 1526059  
Conc: 1.54 ng/ml



#18 Endrin aldehyde

R.T.: 7.263 min  
Delta R.T.: 0.002 min  
Response: 11547661  
Conc: 1.91 ng/ml



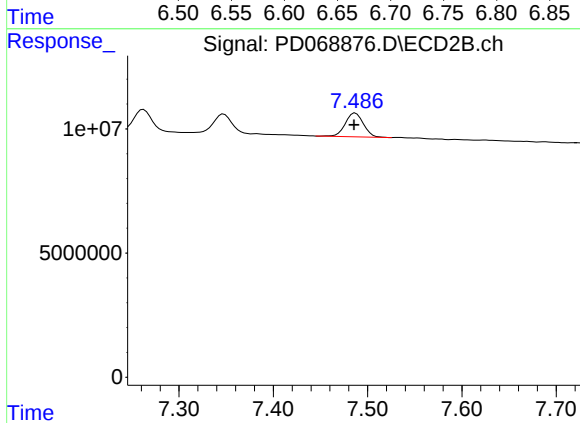
#19 Endosulfan Sulfate

R.T.: 6.668 min  
Delta R.T.: 0.008 min  
Response: 1808752  
Conc: 1.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

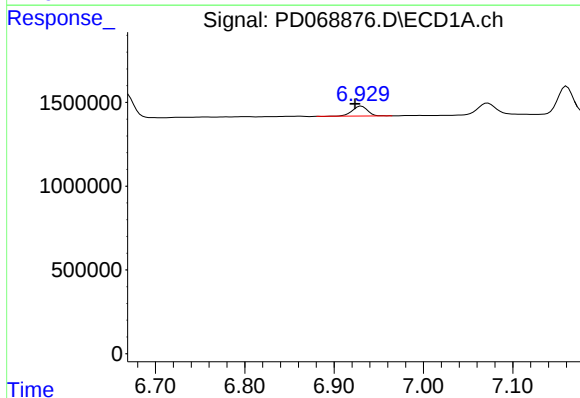
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Reviewed By :Abdul Mirza 04/01/2022  
Supervised By :mohammad ahmed 04/01/2022



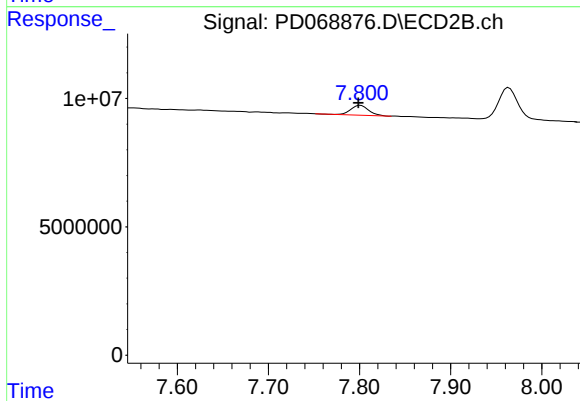
#19 Endosulfan Sulfate

R.T.: 7.487 min  
Delta R.T.: 0.002 min  
Response: 12960665  
Conc: 1.76 ng/ml



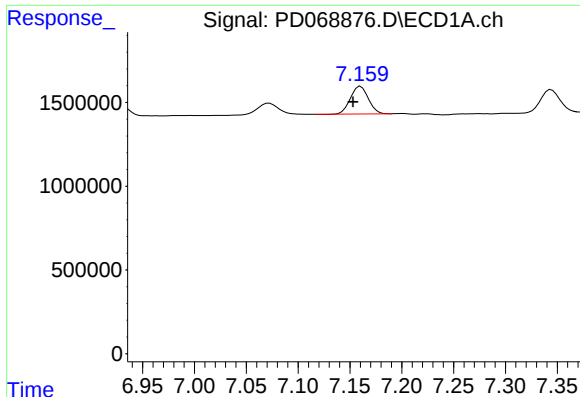
#20 Methoxychlor

R.T.: 6.931 min  
Delta R.T.: 0.007 min  
Response: 717438  
Conc: 1.04 ng/ml



#20 Methoxychlor

R.T.: 7.801 min  
Delta R.T.: 0.002 min  
Response: 5302309  
Conc: 1.45 ng/ml



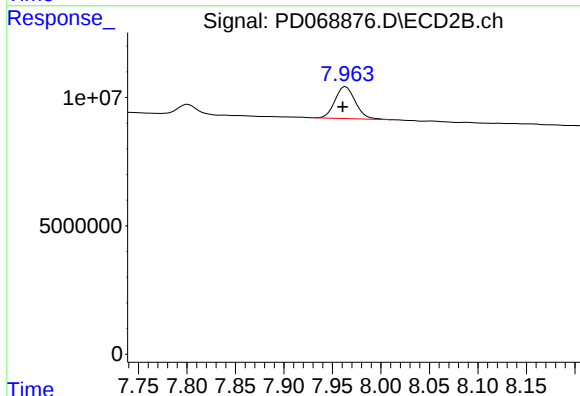
#21 Endrin ketone

R.T.: 7.160 min  
Delta R.T.: 0.007 min  
Response: 1977474  
Conc: 1.34 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

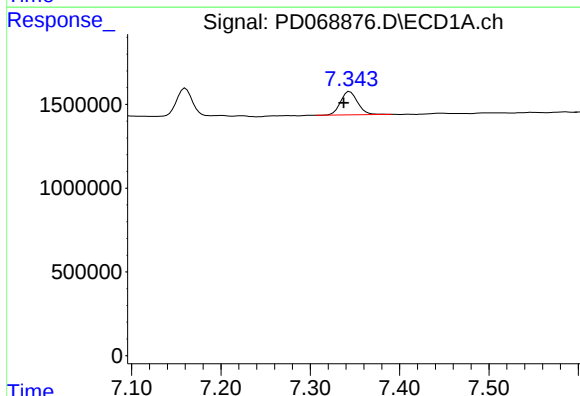
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/01/2022  
Supervised By :mohammad ahmed 04/01/2022



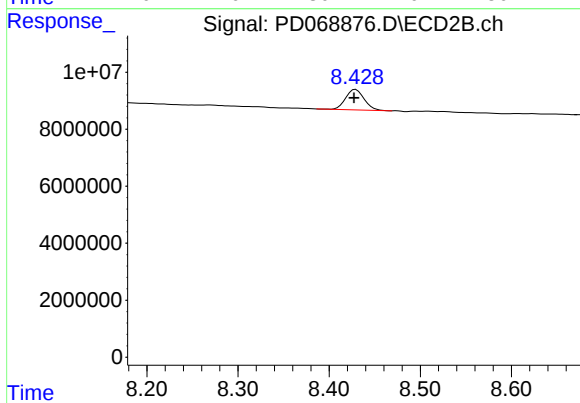
#21 Endrin ketone

R.T.: 7.964 min  
Delta R.T.: 0.003 min  
Response: 18036231  
Conc: 2.33 ng/ml



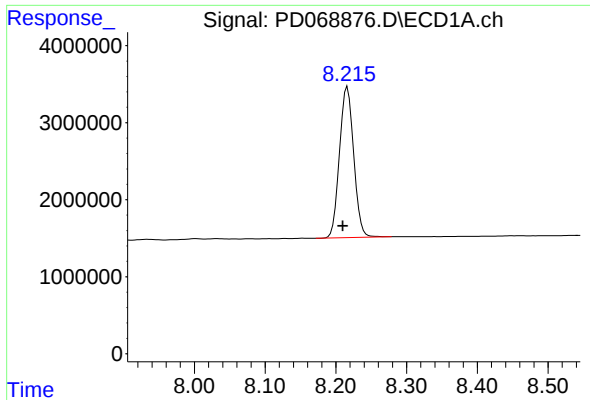
#22 Mirex

R.T.: 7.344 min  
Delta R.T.: 0.007 min  
Response: 1856275  
Conc: 1.57 ng/ml



#22 Mirex

R.T.: 8.429 min  
Delta R.T.: 0.002 min  
Response: 10253678  
Conc: 1.87 ng/ml



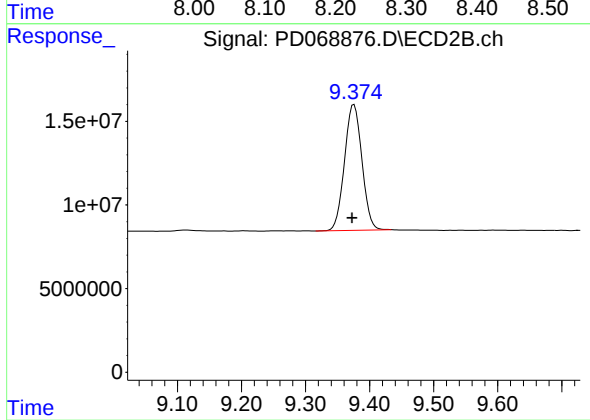
#28 Decachlorobiphenyl

R.T.: 8.216 min  
Delta R.T.: 0.007 min  
Response: 27368889  
Conc: 21.66 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-WATER-03-QT1-2022

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/01/2022  
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#28 Decachlorobiphenyl

R.T.: 9.376 min  
Delta R.T.: 0.003 min  
Response: 141979841  
Conc: 25.06 ng/ml