

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080224\  
 Data File : PD084188.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 Aug 2024 11:40  
 Operator : AR\AJ  
 Sample : P3390-07  
 Misc : PEST LOD 2.5PPB/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2024

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 08/05/2024  
 Supervised By :Ankita Jodhani 08/05/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 02 23:50:06 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD071524.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jul 16 04:22:06 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... | 3.568 | 2.769 | 18245882 | 101.0E6  | 17.844 | 17.561 |
| 28)                         | SA Decachlor... | 9.123 | 7.895 | 40192968 | 127.0E6  | 17.606 | 19.771 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 4.025 | 3.269 | 3806225  | 19505312 | 1.938  | 2.200  |
| 3)                          | MA gamma-BHC... | 4.360 | 3.597 | 3969523  | 19311055 | 2.054  | 2.415  |
| 4)                          | MA Heptachlor   | 4.952 | 3.935 | 4772278  | 19226429 | 2.399  | 2.367  |
| 5)                          | MB Aldrin       | 5.294 | 4.214 | 4794322  | 18910029 | 2.356m | 2.355  |
| 6)                          | B beta-BHC      | 4.557 | 3.894 | 2013454  | 8569560  | 2.538  | 2.436m |
| 7)                          | B delta-BHC     | 4.805 | 4.123 | 4733873  | 19612166 | 2.604m | 2.357  |
| 8)                          | B Heptachlo...  | 5.721 | 4.715 | 4858182  | 19380600 | 2.725m | 2.697  |
| 9)                          | A Endosulfan I  | 6.109 | 5.083 | 4632631  | 17063753 | 2.396m | 2.474m |
| 10)                         | B gamma-Chl...  | 5.979 | 4.964 | 4866634  | 19511388 | 2.434m | 2.574  |
| 11)                         | B alpha-Chl...  | 6.058 | 5.028 | 4889625  | 19586394 | 2.452m | 2.623  |
| 12)                         | B 4,4'-DDE      | 6.231 | 5.216 | 4897942  | 19042932 | 2.457  | 2.673  |
| 13)                         | MA Dieldrin     | 6.387 | 5.348 | 4820707  | 18755841 | 2.337  | 2.498  |
| 14)                         | MA Endrin       | 6.615 | 5.624 | 4006124  | 15550880 | 2.244m | 2.352  |
| 15)                         | B Endosulfa...  | 6.835 | 5.918 | 4644386  | 16905802 | 2.432m | 2.646  |
| 16)                         | A 4,4'-DDD      | 6.750 | 5.770 | 3665261  | 15452658 | 2.419  | 2.790  |
| 17)                         | MA 4,4'-DDT     | 7.064 | 6.021 | 3088078  | 10948773 | 1.798m | 1.909  |
| 18)                         | B Endrin al...  | 6.967 | 6.098 | 3632115  | 13759338 | 2.473  | 2.742  |
| 19)                         | B Endosulfa...  | 7.201 | 6.320 | 4589795  | 16420123 | 2.527m | 2.683  |
| 20)                         | A Methoxychlor  | 7.542 | 6.596 | 2062839  | 6431782  | 2.094  | 2.180  |
| 21)                         | B Endrin ke...  | 7.689 | 6.826 | 5041004  | 18618522 | 2.441  | 2.750  |
| 22)                         | Mirex           | 8.165 | 7.005 | 4282922  | 15500236 | 2.630  | 2.860  |
| -----                       |                 |       |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080224\  
 Data File : PD084188.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 Aug 2024 11:40  
 Operator : AR\AJ  
 Sample : P3390-07  
 Misc : PEST LOD 2.5PPB/WATER  
 ALS Vial : 10 Sample Multiplier: 1

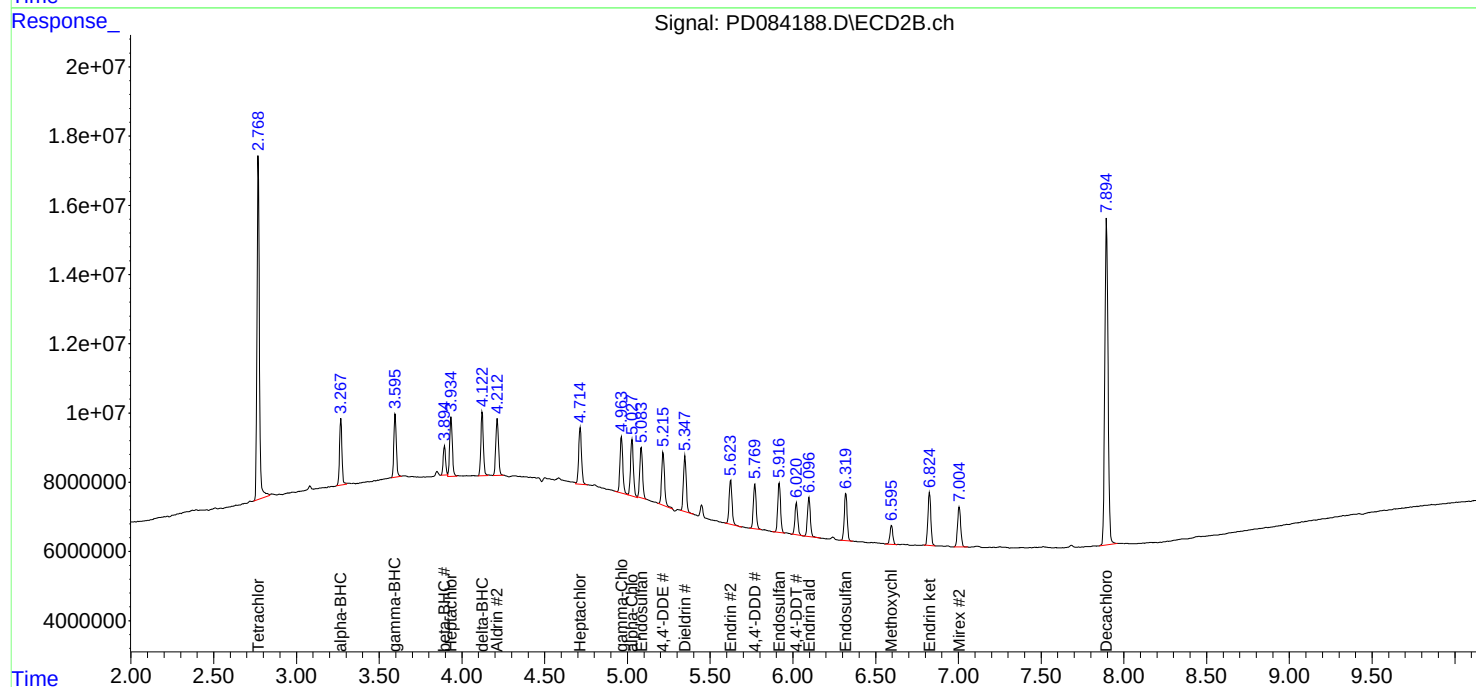
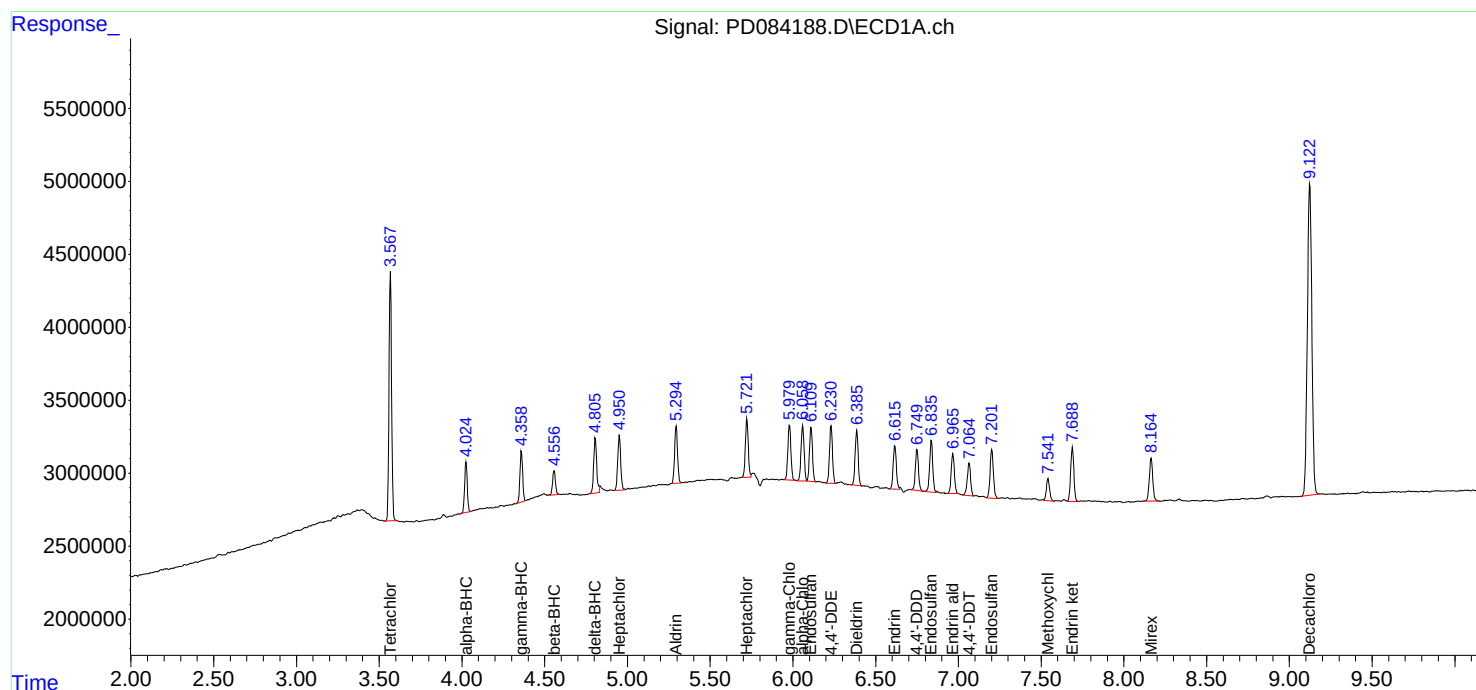
Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT3-2024

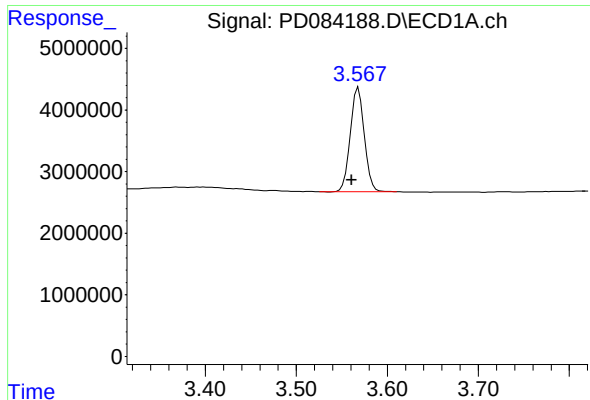
### Manual Integrations APPROVED

Reviewed By : Abdul Mirza 08/05/2024  
 Supervised By : Ankita Jodhani 08/05/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 02 23:50:06 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD071524.M  
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Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.568 min  
Delta R.T.: 0.007 min  
Response: 18245882  
Conc: 17.84 ng/ml

Instrument :

ECD\_D

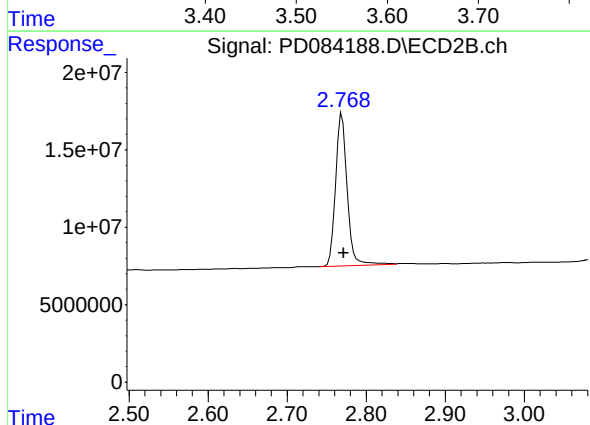
ClientSampleId :

LOD-MDL-WATER-01-QT3-2024

Manual Integrations

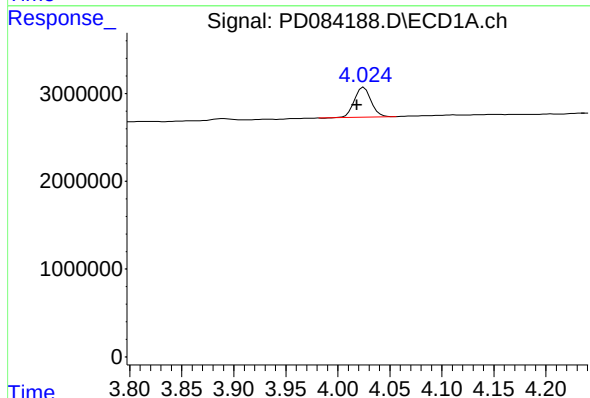
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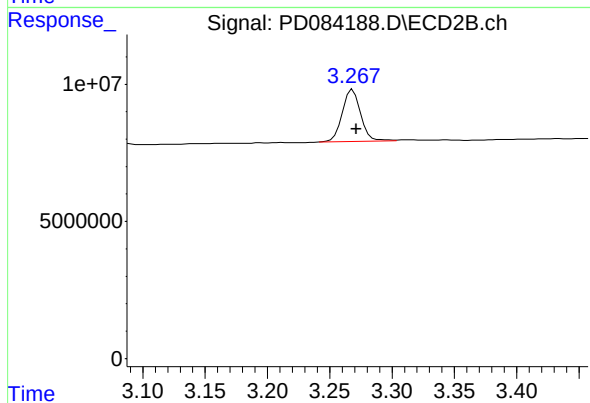
#1 Tetrachloro-m-xylene

R.T.: 2.769 min  
Delta R.T.: -0.002 min  
Response: 100967325  
Conc: 17.56 ng/ml



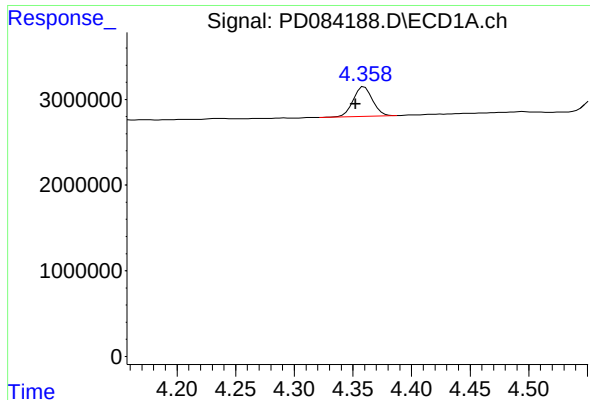
#2 alpha-BHC

R.T.: 4.025 min  
Delta R.T.: 0.007 min  
Response: 3806225  
Conc: 1.94 ng/ml



#2 alpha-BHC

R.T.: 3.269 min  
Delta R.T.: -0.003 min  
Response: 19505312  
Conc: 2.20 ng/ml



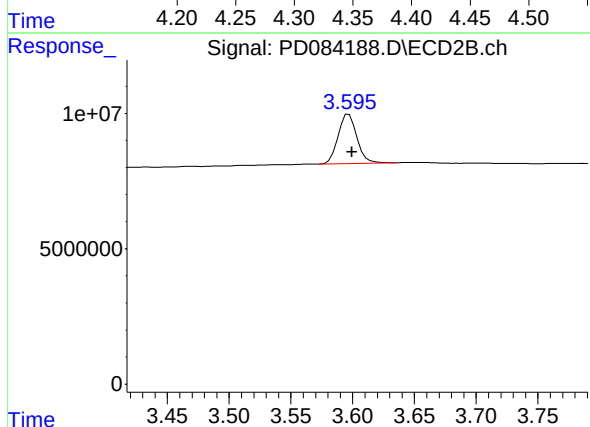
#3 gamma-BHC (Lindane)

R.T.: 4.360 min  
Delta R.T.: 0.007 min  
Response: 3969523  
Conc: 2.05 ng/ml

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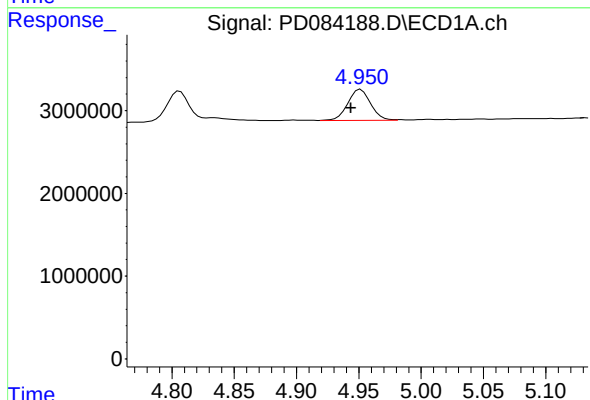
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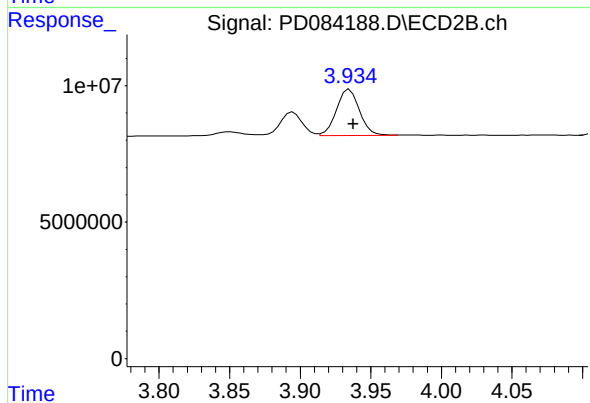
#3 gamma-BHC (Lindane)

R.T.: 3.597 min  
Delta R.T.: -0.003 min  
Response: 19311055  
Conc: 2.42 ng/ml



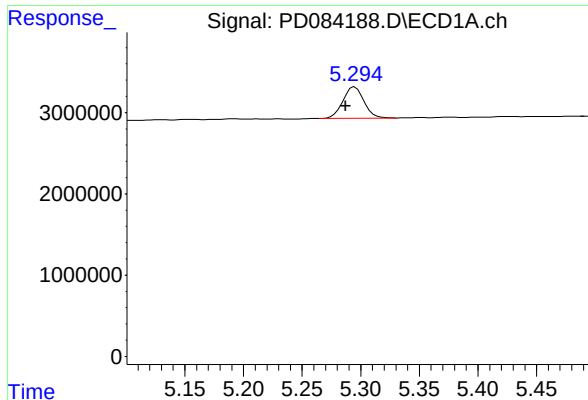
#4 Heptachlor

R.T.: 4.952 min  
Delta R.T.: 0.008 min  
Response: 4772278  
Conc: 2.40 ng/ml



#4 Heptachlor

R.T.: 3.935 min  
Delta R.T.: -0.003 min  
Response: 19226429  
Conc: 2.37 ng/ml



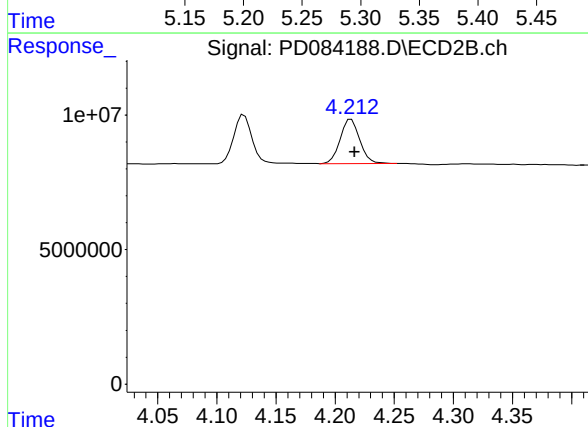
#5 Aldrin

R.T.: 5.294 min  
Delta R.T.: 0.006 min  
Response: 4794322  
Conc: 2.36 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024

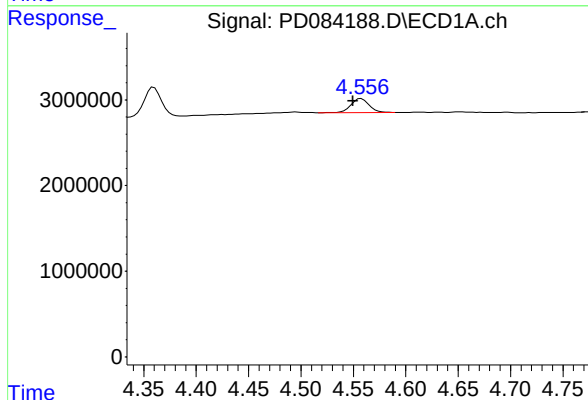
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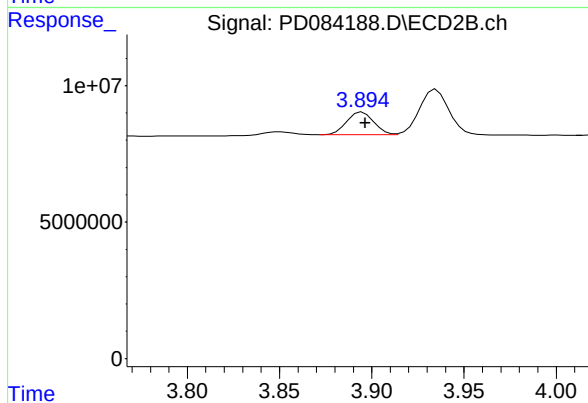
#5 Aldrin

R.T.: 4.214 min  
Delta R.T.: -0.003 min  
Response: 18910029  
Conc: 2.36 ng/ml



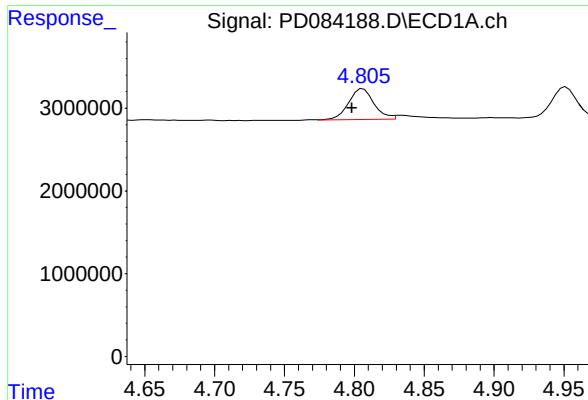
#6 beta-BHC

R.T.: 4.557 min  
Delta R.T.: 0.008 min  
Response: 2013454  
Conc: 2.54 ng/ml



#6 beta-BHC

R.T.: 3.894 min  
Delta R.T.: -0.003 min  
Response: 8569560  
Conc: 2.44 ng/ml m



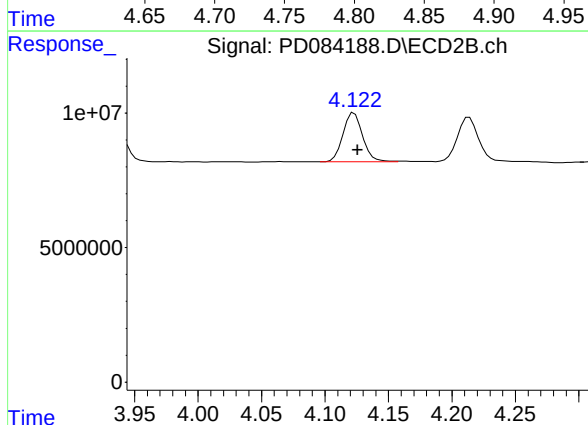
#7 delta-BHC

R.T.: 4.805 min  
Delta R.T.: 0.007 min  
Response: 4733873  
Conc: 2.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024

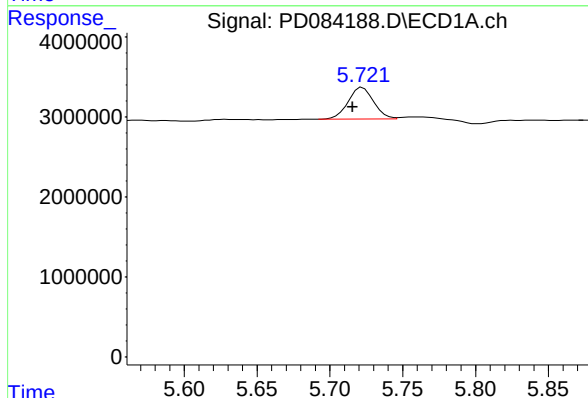
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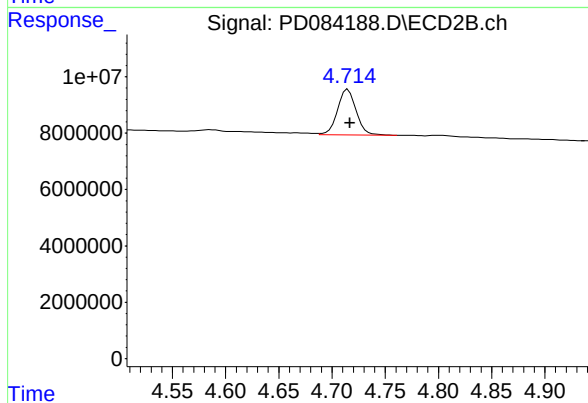
#7 delta-BHC

R.T.: 4.123 min  
Delta R.T.: -0.003 min  
Response: 19612166  
Conc: 2.36 ng/ml



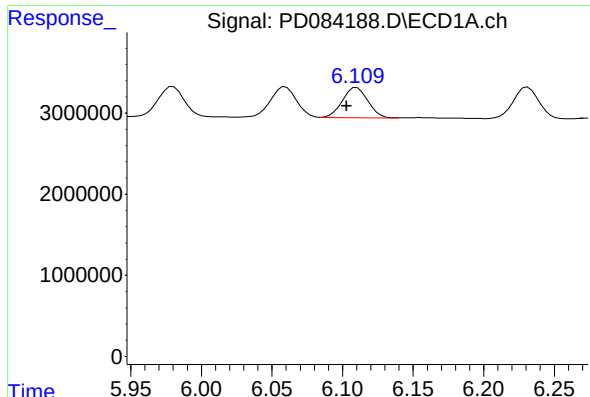
#8 Heptachlor epoxide

R.T.: 5.721 min  
Delta R.T.: 0.006 min  
Response: 4858182  
Conc: 2.73 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.715 min  
Delta R.T.: -0.002 min  
Response: 19380600  
Conc: 2.70 ng/ml



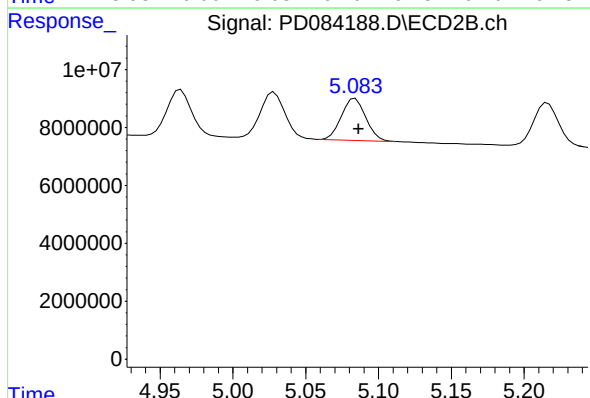
#9 Endosulfan I

R.T.: 6.109 min  
Delta R.T.: 0.006 min  
Response: 4632631  
Conc: 2.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024

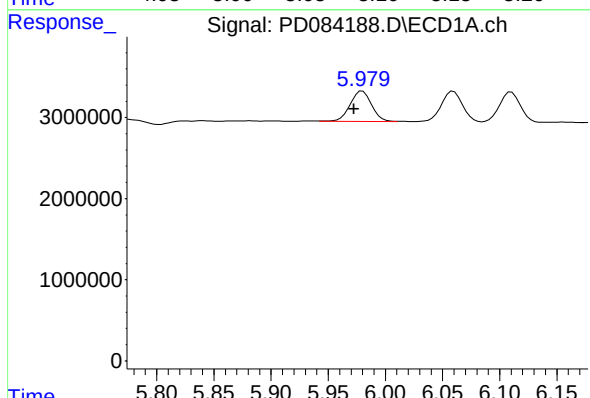
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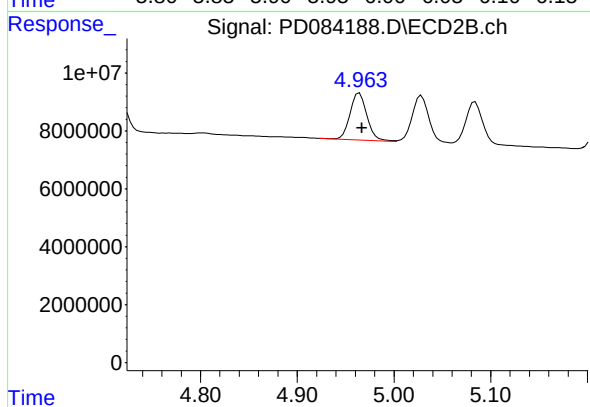
#9 Endosulfan I

R.T.: 5.083 min  
Delta R.T.: -0.004 min  
Response: 17063753  
Conc: 2.47 ng/ml m



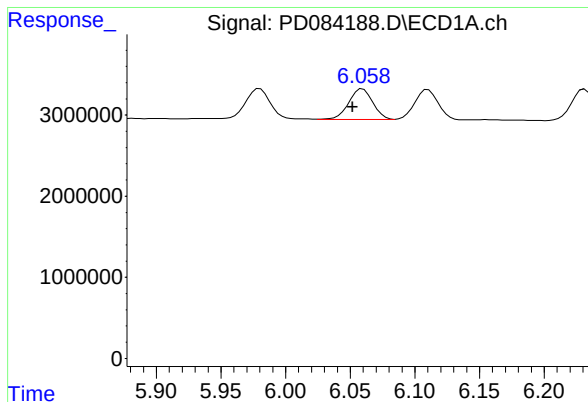
#10 gamma-Chlordane

R.T.: 5.979 min  
Delta R.T.: 0.006 min  
Response: 4866634  
Conc: 2.43 ng/ml m



#10 gamma-Chlordane

R.T.: 4.964 min  
Delta R.T.: -0.003 min  
Response: 19511388  
Conc: 2.57 ng/ml



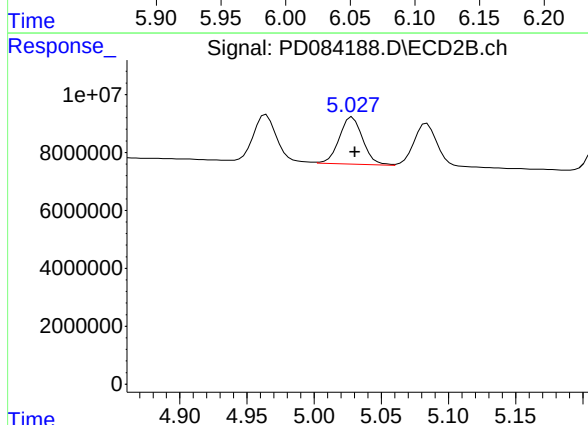
#11 alpha-Chlordane

R.T.: 6.058 min  
Delta R.T.: 0.006 min  
Response: 4889625  
Conc: 2.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024

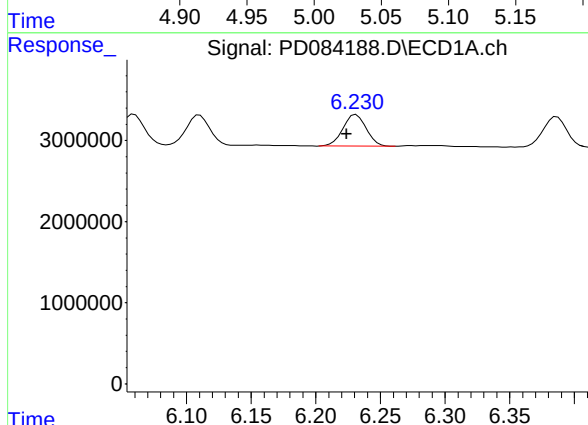
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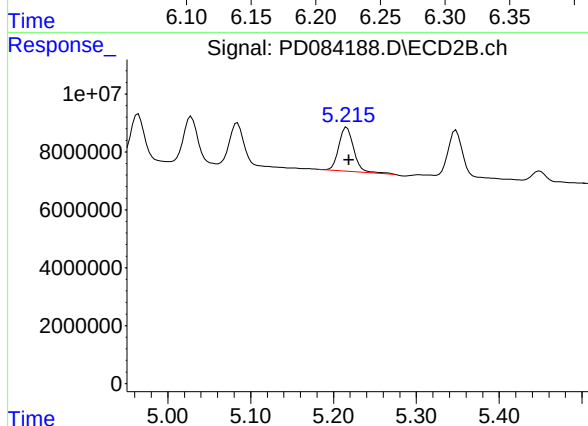
#11 alpha-Chlordane

R.T.: 5.028 min  
Delta R.T.: -0.002 min  
Response: 19586394  
Conc: 2.62 ng/ml



#12 4,4'-DDE

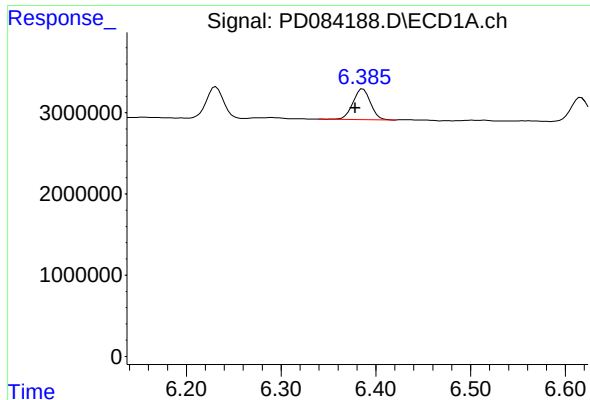
R.T.: 6.231 min  
Delta R.T.: 0.007 min  
Response: 4897942  
Conc: 2.46 ng/ml



#12 4,4'-DDE

R.T.: 5.216 min  
Delta R.T.: -0.002 min  
Response: 19042932  
Conc: 2.67 ng/ml





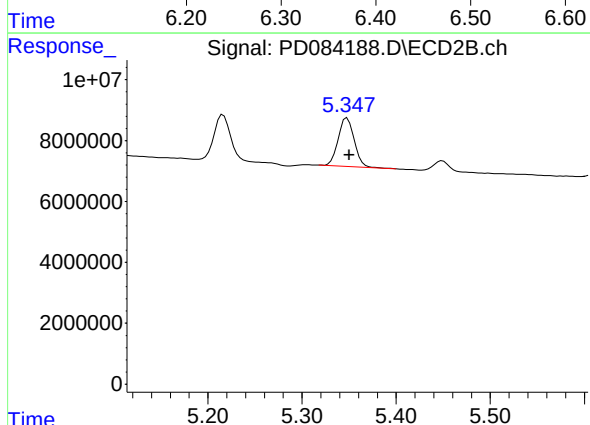
#13 Dieldrin

R.T.: 6.387 min  
Delta R.T.: 0.008 min  
Response: 4820707  
Conc: 2.34 ng/ml

Instrument :  
ECD\_D  
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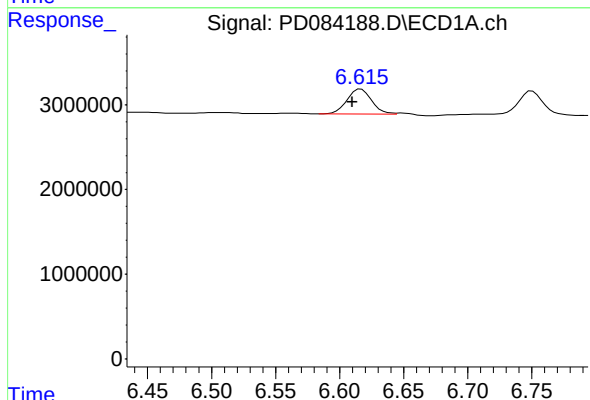
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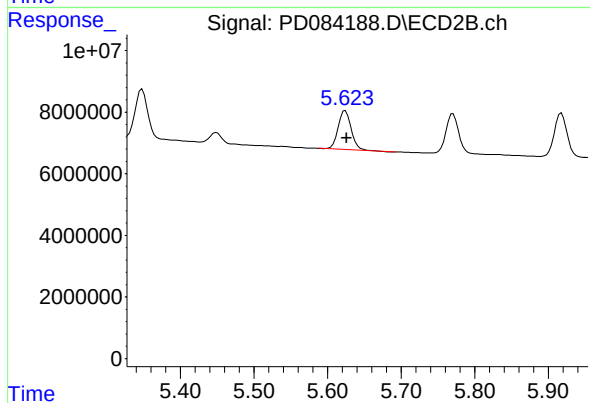
#13 Dieldrin

R.T.: 5.348 min  
Delta R.T.: -0.002 min  
Response: 18755841  
Conc: 2.50 ng/ml



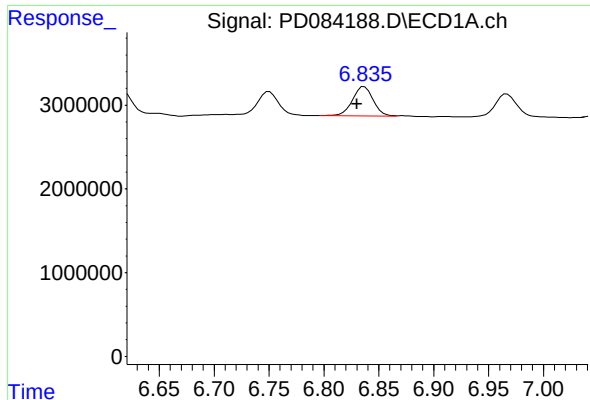
#14 Endrin

R.T.: 6.615 min  
Delta R.T.: 0.005 min  
Response: 4006124  
Conc: 2.24 ng/ml m



#14 Endrin

R.T.: 5.624 min  
Delta R.T.: -0.002 min  
Response: 15550880  
Conc: 2.35 ng/ml



#15 Endosulfan II

R.T.: 6.835 min  
Delta R.T.: 0.005 min  
Response: 4644386  
Conc: 2.43 ng/ml

Instrument :

ECD\_D

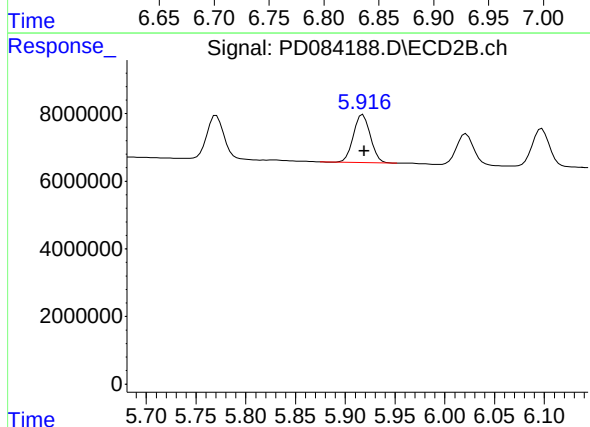
ClientSampleId :

LOD-MDL-WATER-01-QT3-2024

Manual Integrations

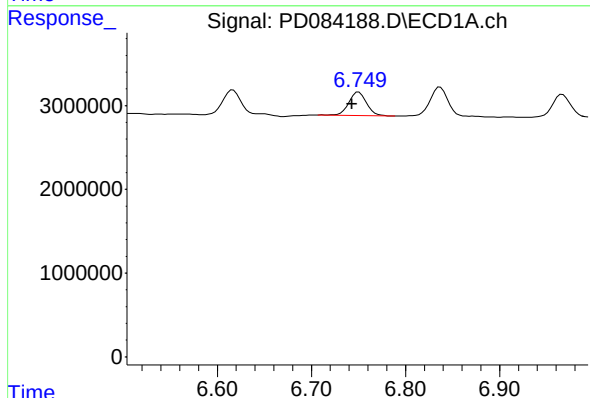
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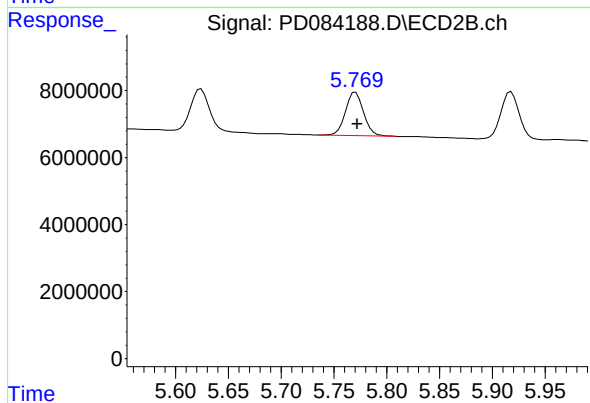
#15 Endosulfan II

R.T.: 5.918 min  
Delta R.T.: -0.001 min  
Response: 16905802  
Conc: 2.65 ng/ml



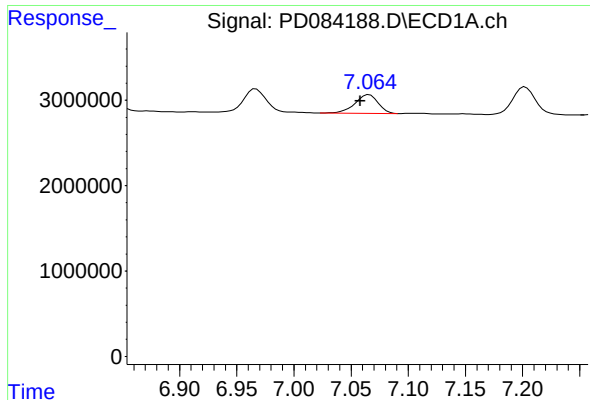
#16 4,4'-DDD

R.T.: 6.750 min  
Delta R.T.: 0.007 min  
Response: 3665261  
Conc: 2.42 ng/ml



#16 4,4'-DDD

R.T.: 5.770 min  
Delta R.T.: -0.001 min  
Response: 15452658  
Conc: 2.79 ng/ml



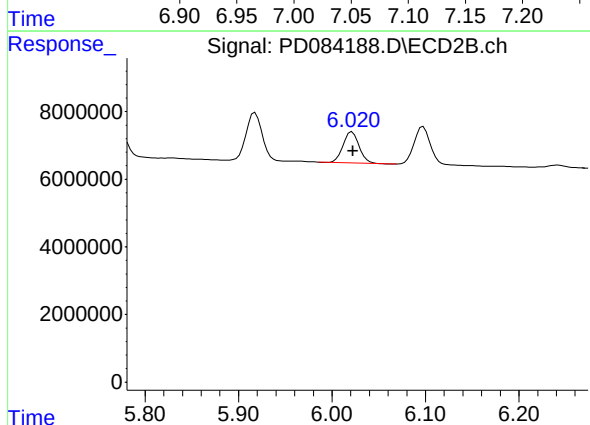
#17 4,4'-DDT

R.T.: 7.064 min  
Delta R.T.: 0.006 min  
Response: 3088078  
Conc: 1.80 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024

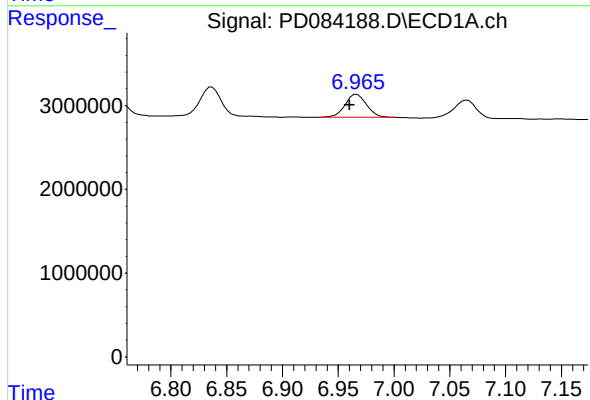
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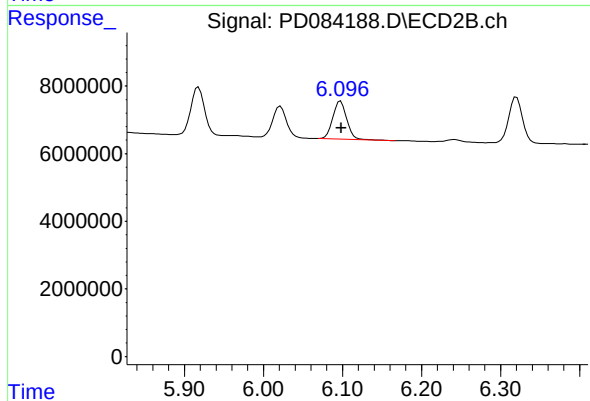
#17 4,4'-DDT

R.T.: 6.021 min  
Delta R.T.: -0.001 min  
Response: 10948773  
Conc: 1.91 ng/ml



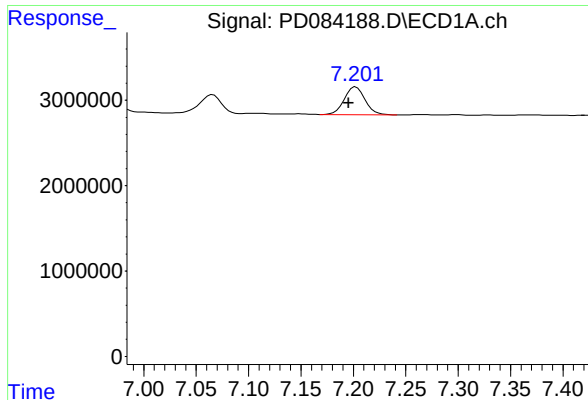
#18 Endrin aldehyde

R.T.: 6.967 min  
Delta R.T.: 0.007 min  
Response: 3632115  
Conc: 2.47 ng/ml



#18 Endrin aldehyde

R.T.: 6.098 min  
Delta R.T.: -0.001 min  
Response: 13759338  
Conc: 2.74 ng/ml



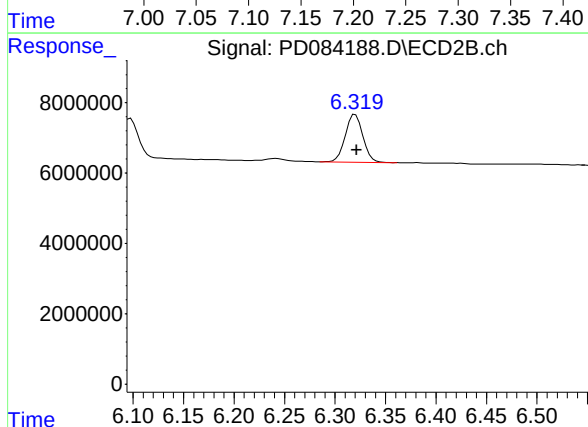
#19 Endosulfan Sulfate

R.T.: 7.201 min  
Delta R.T.: 0.006 min  
Response: 4589795  
Conc: 2.53 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024

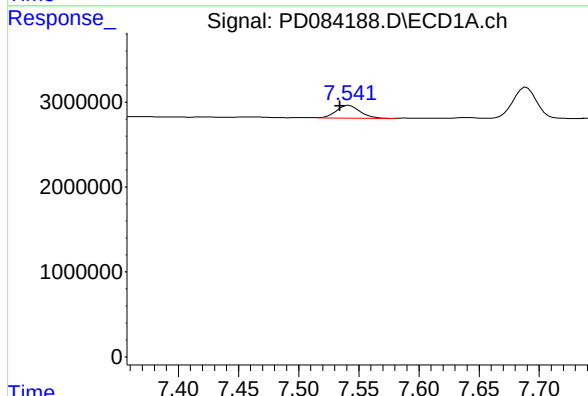
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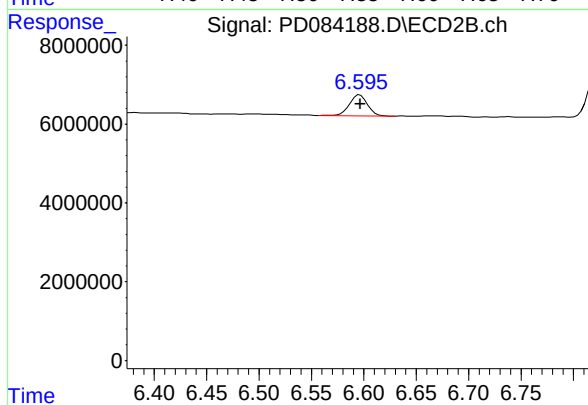
#19 Endosulfan Sulfate

R.T.: 6.320 min  
Delta R.T.: -0.001 min  
Response: 16420123  
Conc: 2.68 ng/ml



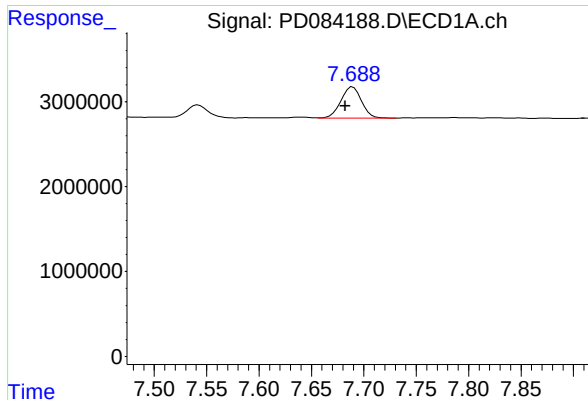
#20 Methoxychlor

R.T.: 7.542 min  
Delta R.T.: 0.008 min  
Response: 2062839  
Conc: 2.09 ng/ml



#20 Methoxychlor

R.T.: 6.596 min  
Delta R.T.: 0.000 min  
Response: 6431782  
Conc: 2.18 ng/ml



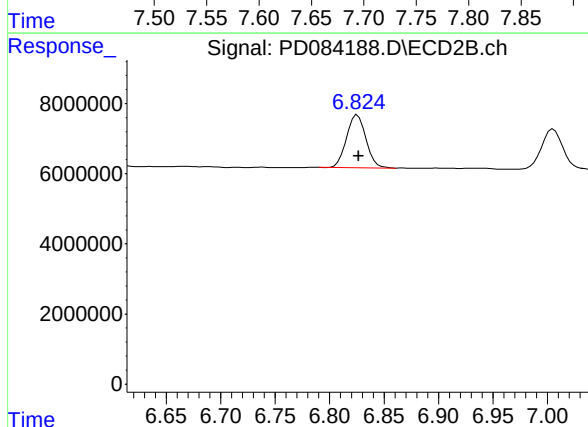
#21 Endrin ketone

R.T.: 7.689 min  
Delta R.T.: 0.007 min  
Response: 5041004  
Conc: 2.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024

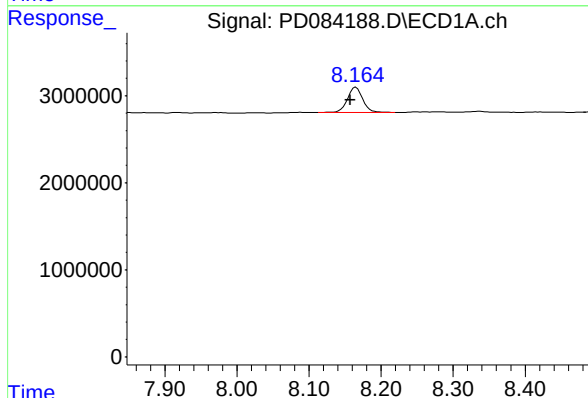
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/05/2024  
Supervised By :Ankita Jodhani 08/05/2024



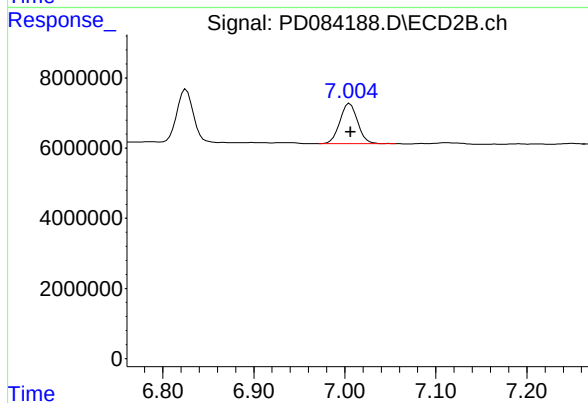
#21 Endrin ketone

R.T.: 6.826 min  
Delta R.T.: -0.001 min  
Response: 18618522  
Conc: 2.75 ng/ml



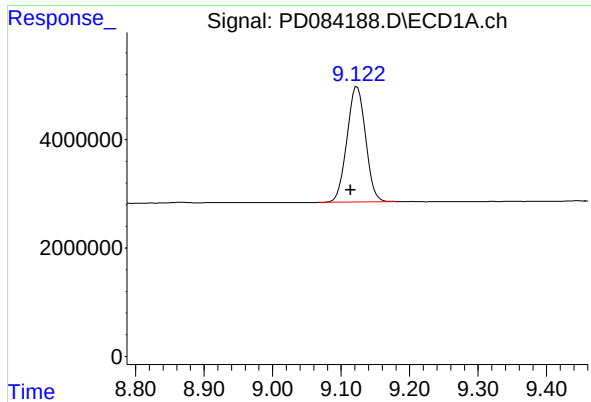
#22 Mirex

R.T.: 8.165 min  
Delta R.T.: 0.007 min  
Response: 4282922  
Conc: 2.63 ng/ml



#22 Mirex

R.T.: 7.005 min  
Delta R.T.: -0.001 min  
Response: 15500236  
Conc: 2.86 ng/ml



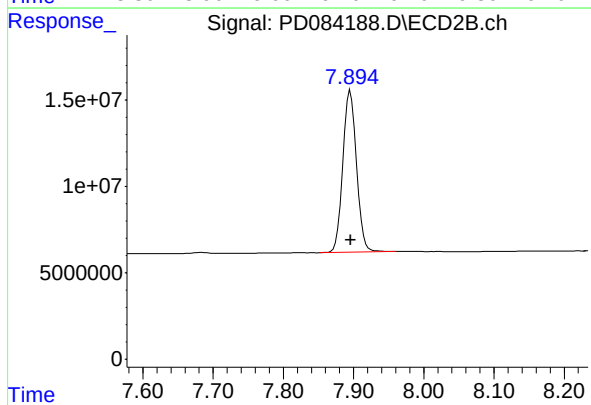
#28 Decachlorobiphenyl

R.T.: 9.123 min  
Delta R.T.: 0.009 min  
Response: 40192968  
Conc: 17.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-WATER-01-QT3-2024

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/05/2024  
Supervised By :Ankita Jodhani 08/05/2024



#28 Decachlorobiphenyl

R.T.: 7.895 min  
Delta R.T.: 0.000 min  
Response: 126970086  
Conc: 19.77 ng/ml