

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050924\  
 Data File : PL089425.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 May 2024 15:45  
 Operator : AR\AJ  
 Sample : P2403-07  
 Misc : PEST LOD 2.5PPB  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 LOD-MDL-WATER-01-QT2-2024

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 05/10/2024  
 Supervised By :Ankita Jodhani 05/13/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 10 00:55:21 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042624.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Apr 26 19:27:30 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 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 x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|---------|
| -----                       |                 |       |       |          |          |        |         |
| System Monitoring Compounds |                 |       |       |          |          |        |         |
| 1)                          | SA Tetrachlo... | 3.551 | 2.797 | 43665019 | 28268624 | 21.684 | 22.032  |
| 28)                         | SA Decachlor... | 9.067 | 7.949 | 29039789 | 28629703 | 20.757 | 21.283  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 4.006 | 3.300 | 9005155  | 4442088  | 3.158  | 2.354m# |
| 3)                          | MA gamma-BHC... | 4.338 | 3.632 | 9169796  | 4616649  | 3.294  | 2.502   |
| 4)                          | MA Heptachlor   | 4.927 | 3.974 | 7945887  | 4312392  | 3.204m | 2.461   |
| 5)                          | MB Aldrin       | 5.269 | 4.255 | 8110134  | 4371836  | 3.158m | 2.473   |
| 6)                          | B beta-BHC      | 4.532 | 3.930 | 4172464  | 2336924  | 3.307m | 2.862   |
| 7)                          | B delta-BHC     | 4.781 | 4.160 | 8770523  | 4170216  | 3.307  | 2.318 # |
| 8)                          | B Heptachlo...  | 5.695 | 4.759 | 7896701  | 4465255  | 3.367m | 2.762   |
| 9)                          | A Endosulfan I  | 6.080 | 5.129 | 7203664  | 4167325  | 3.351m | 2.783   |
| 10)                         | B gamma-Chl...  | 5.950 | 5.009 | 7922224  | 4676513  | 3.466m | 2.850   |
| 11)                         | B alpha-Chl...  | 6.029 | 5.073 | 7718931  | 4673390  | 3.393m | 2.834   |
| 12)                         | B 4,4'-DDE      | 6.201 | 5.262 | 6752669  | 3741272  | 3.337m | 2.573   |
| 13)                         | MA Dieldrin     | 6.356 | 5.394 | 7547671  | 4273931  | 3.372  | 2.657   |
| 14)                         | MA Endrin       | 6.586 | 5.669 | 5922158  | 3737982  | 3.126  | 2.600   |
| 15)                         | B Endosulfa...  | 6.803 | 5.961 | 6581502  | 4347184  | 3.298m | 3.022m  |
| 16)                         | A 4,4'-DDD      | 6.718 | 5.817 | 5920005  | 3810438  | 3.509m | 3.090   |
| 17)                         | MA 4,4'-DDT     | 7.032 | 6.068 | 5986496  | 2854013  | 3.255m | 2.109 # |
| 18)                         | B Endrin al...  | 6.934 | 6.143 | 5162352  | 3294637  | 3.414  | 2.962   |
| 19)                         | B Endosulfa...  | 7.168 | 6.365 | 6062052  | 4142257  | 3.351  | 2.986   |
| 20)                         | A Methoxychlor  | 7.507 | 6.643 | 2815875  | 1849786  | 2.863m | 2.313   |
| 21)                         | B Endrin ke...  | 7.653 | 6.871 | 6788099  | 4362847  | 3.391  | 2.728   |
| 22)                         | Mirex           | 8.128 | 7.055 | 4935265  | 4282804  | 3.176  | 3.139   |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050924\  
Data File : PL089425.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 May 2024 15:45  
Operator : AR\AJ  
Sample : P2403-07  
Misc : PEST LOD 2.5PPB  
ALS Vial : 10 Sample Multiplier: 1

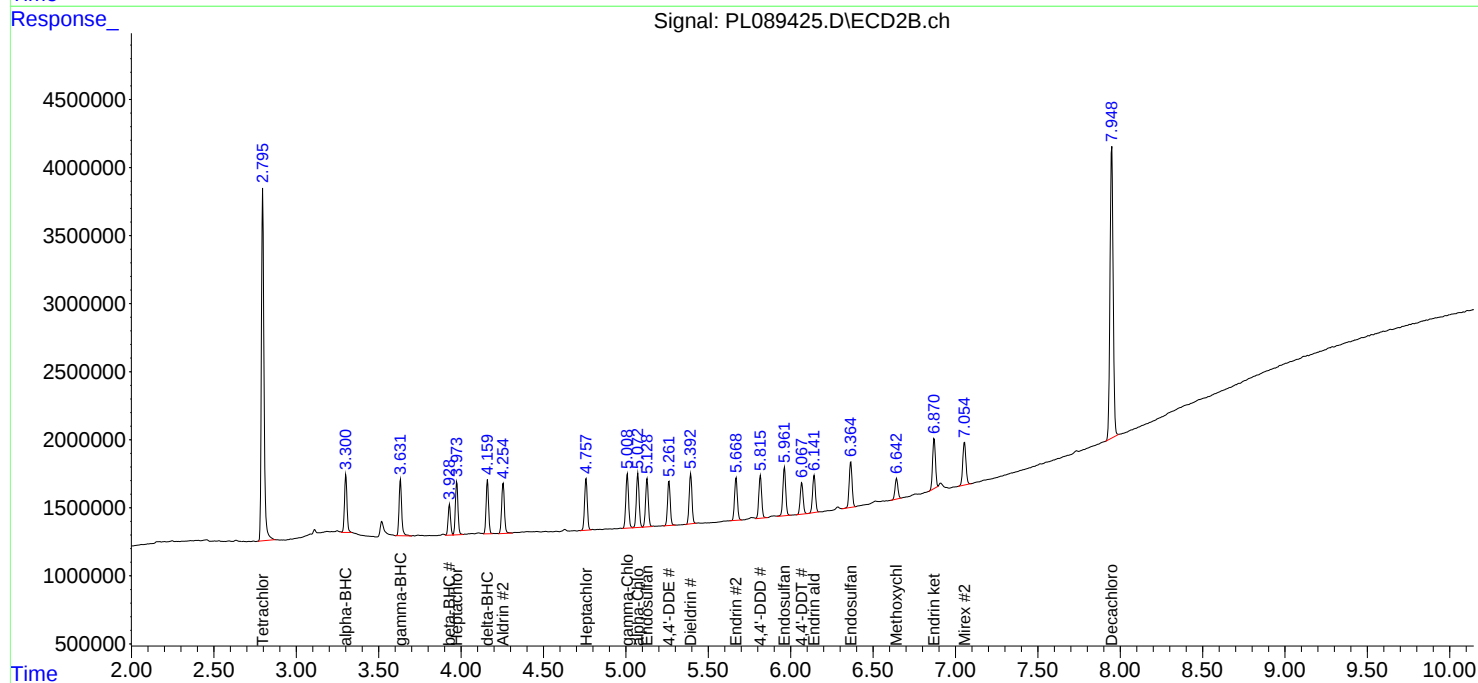
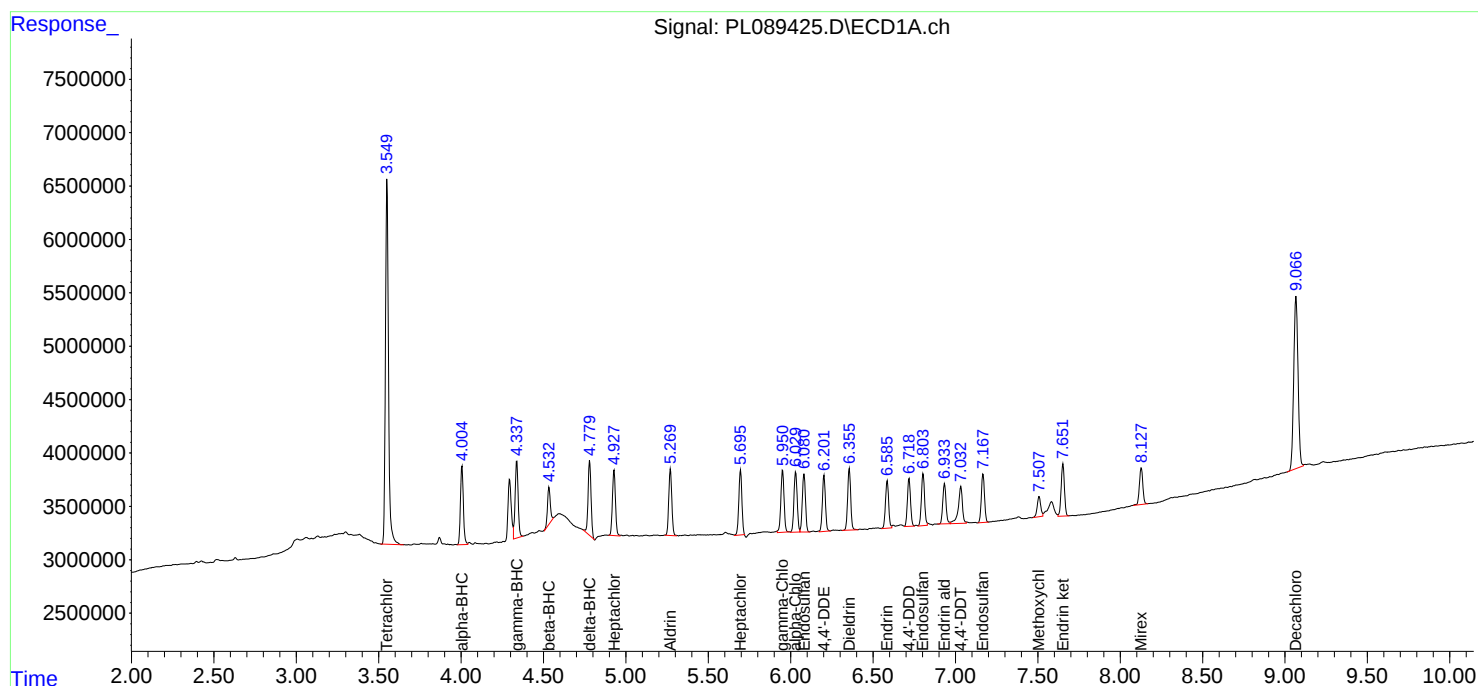
Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2024

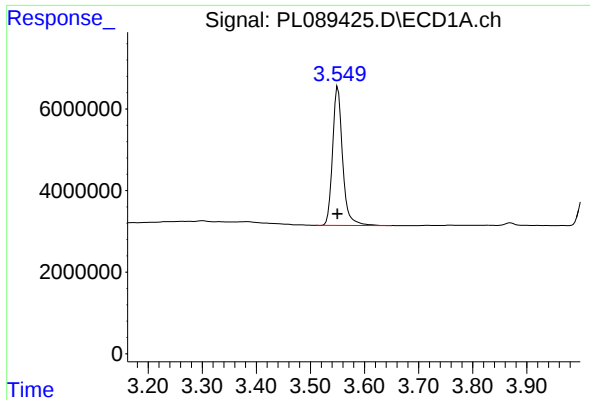
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 05/10/2024  
Supervised By : Ankita Jodhani 05/13/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 10 00:55:21 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042624.M  
Quant Title : GC Extractables  
QLast Update : Fri Apr 26 19:27:30 2024  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 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 x0.5µm





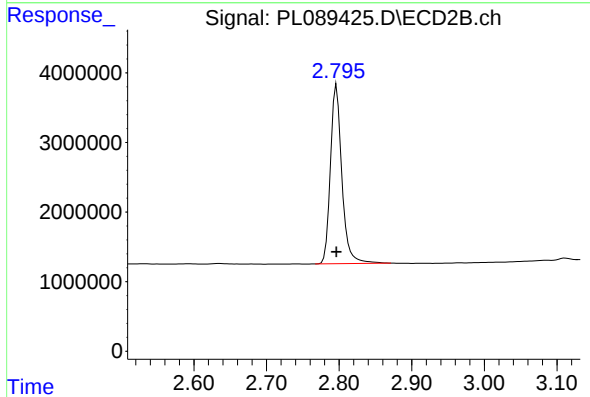
#1 Tetrachloro-m-xylene

R.T.: 3.551 min  
Delta R.T.: 0.000 min  
Response: 43665019  
Conc: 21.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2024

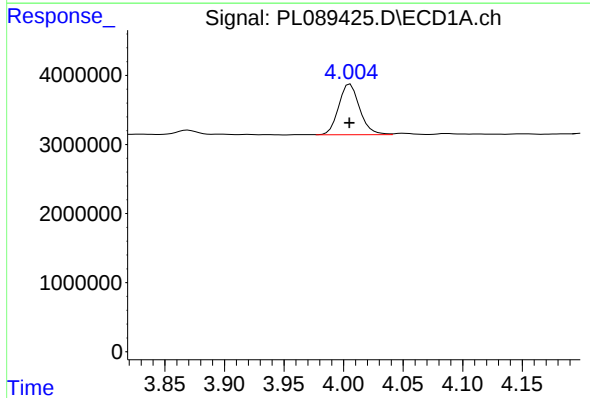
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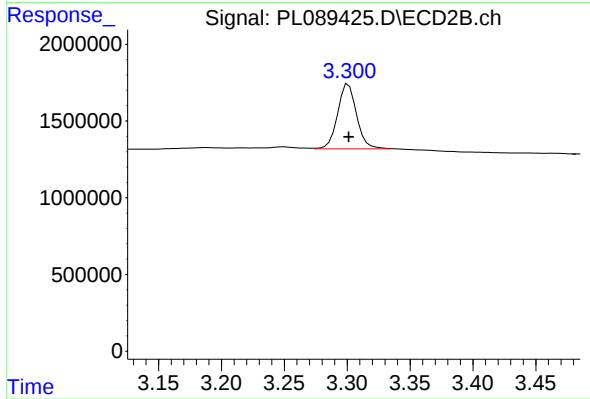
#1 Tetrachloro-m-xylene

R.T.: 2.797 min  
Delta R.T.: 0.000 min  
Response: 28268624  
Conc: 22.03 ng/ml



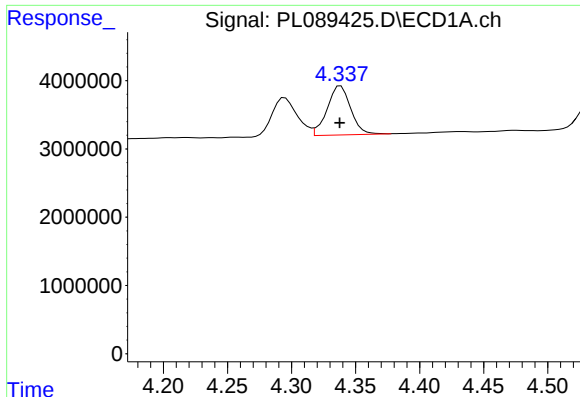
#2 alpha-BHC

R.T.: 4.006 min  
Delta R.T.: 0.000 min  
Response: 9005155  
Conc: 3.16 ng/ml



#2 alpha-BHC

R.T.: 3.300 min  
Delta R.T.: -0.002 min  
Response: 4442088  
Conc: 2.35 ng/ml m



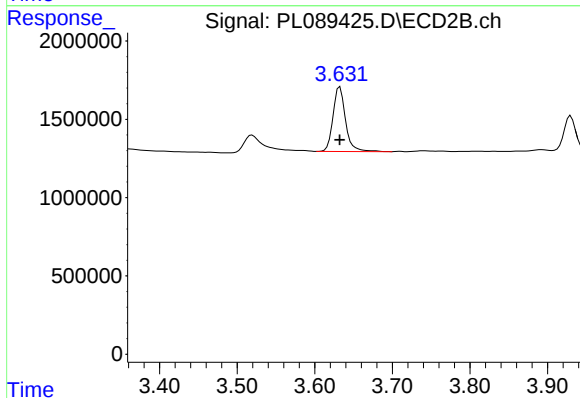
#3 gamma-BHC (Lindane)

R.T.: 4.338 min  
Delta R.T.: 0.000 min  
Response: 9169796  
Conc: 3.29 ng/ml

Instrument :  
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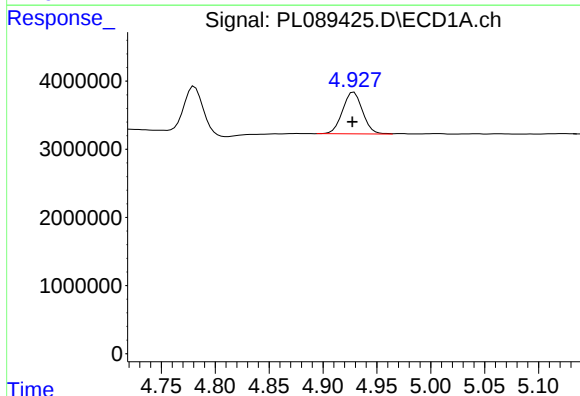
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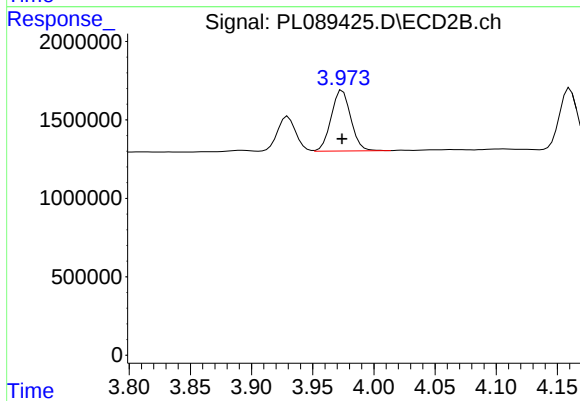
#3 gamma-BHC (Lindane)

R.T.: 3.632 min  
Delta R.T.: 0.000 min  
Response: 4616649  
Conc: 2.50 ng/ml



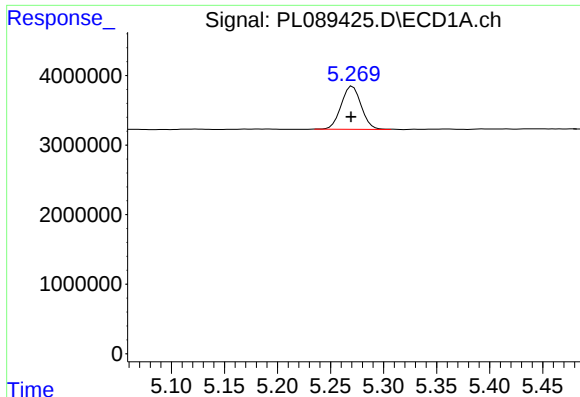
#4 Heptachlor

R.T.: 4.927 min  
Delta R.T.: 0.000 min  
Response: 7945887  
Conc: 3.20 ng/ml m



#4 Heptachlor

R.T.: 3.974 min  
Delta R.T.: 0.000 min  
Response: 4312392  
Conc: 2.46 ng/ml



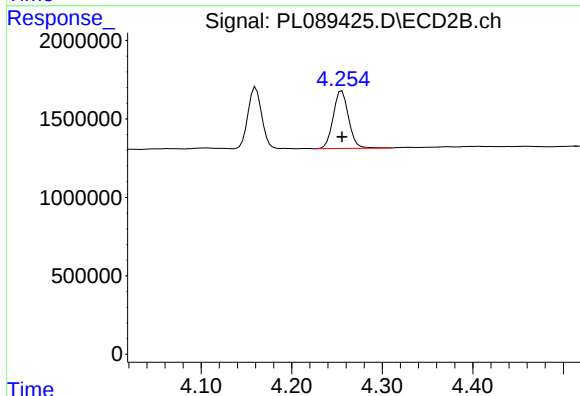
#5 Aldrin

R.T.: 5.269 min  
Delta R.T.: 0.000 min  
Response: 8110134  
Conc: 3.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2024

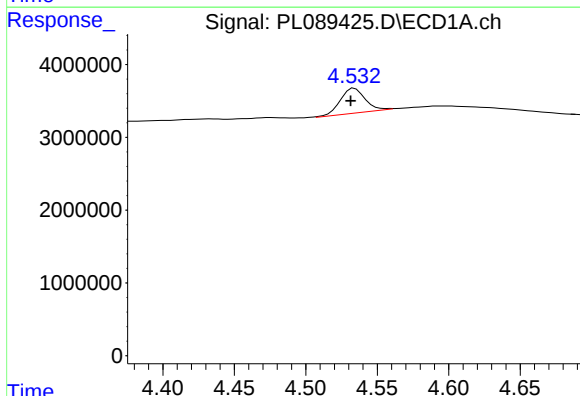
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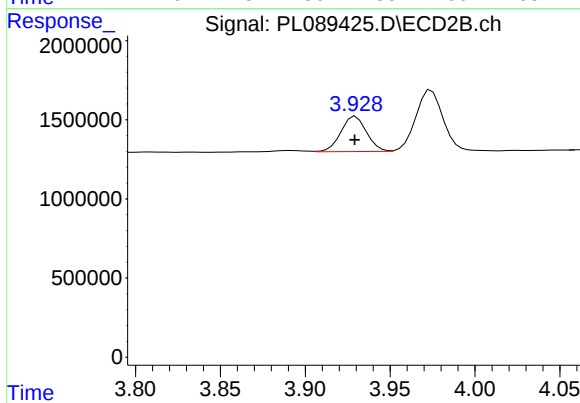
#5 Aldrin

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 4371836  
Conc: 2.47 ng/ml



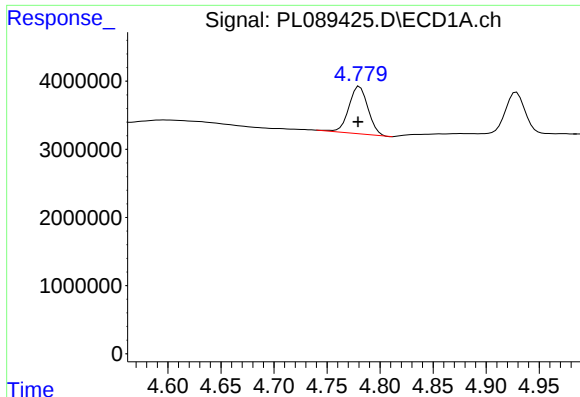
#6 beta-BHC

R.T.: 4.532 min  
Delta R.T.: 0.000 min  
Response: 4172464  
Conc: 3.31 ng/ml m



#6 beta-BHC

R.T.: 3.930 min  
Delta R.T.: 0.000 min  
Response: 2336924  
Conc: 2.86 ng/ml



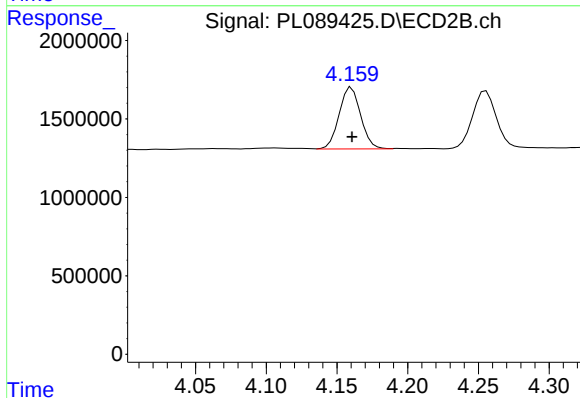
#7 delta-BHC

R.T.: 4.781 min  
Delta R.T.: 0.001 min  
Response: 8770523  
Conc: 3.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2024

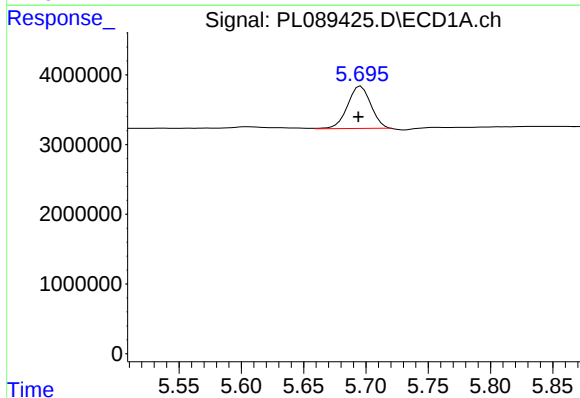
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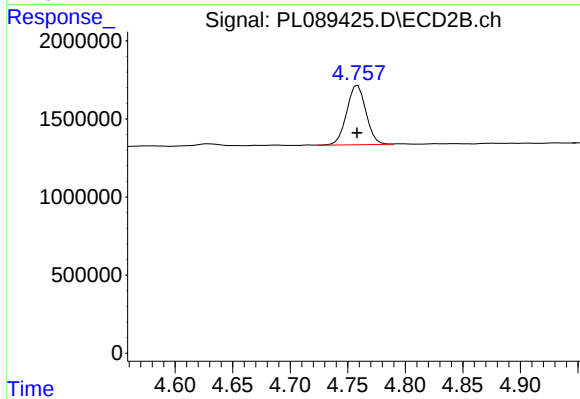
#7 delta-BHC

R.T.: 4.160 min  
Delta R.T.: 0.000 min  
Response: 4170216  
Conc: 2.32 ng/ml



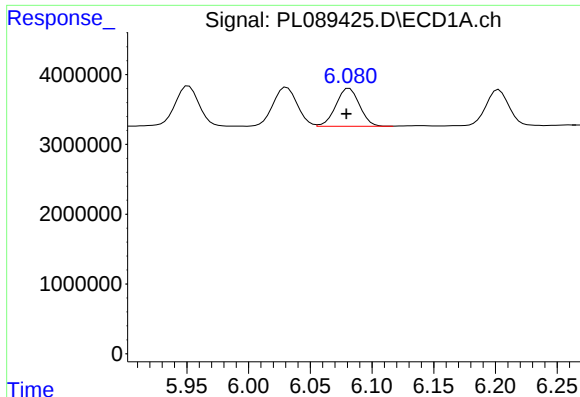
#8 Heptachlor epoxide

R.T.: 5.695 min  
Delta R.T.: 0.000 min  
Response: 7896701  
Conc: 3.37 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.759 min  
Delta R.T.: 0.000 min  
Response: 4465255  
Conc: 2.76 ng/ml



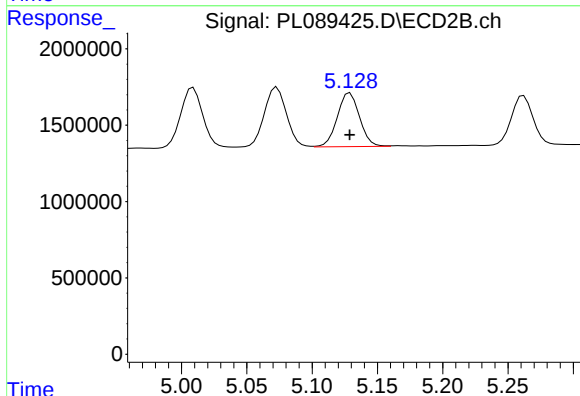
#9 Endosulfan I

R.T.: 6.080 min  
Delta R.T.: 0.001 min  
Response: 7203664  
Conc: 3.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2024

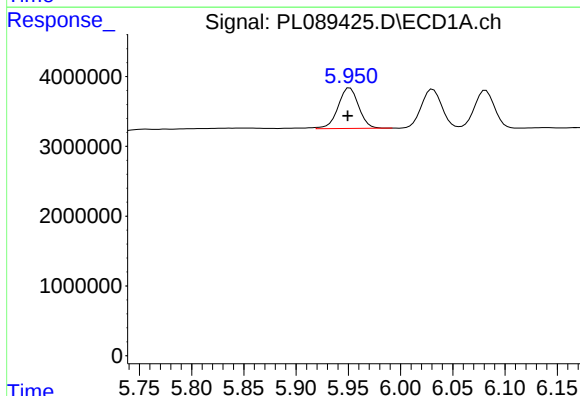
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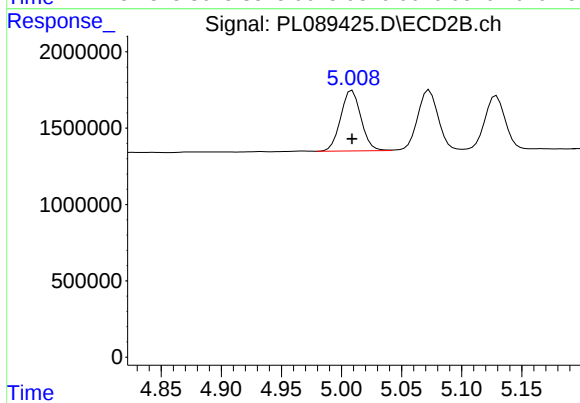
#9 Endosulfan I

R.T.: 5.129 min  
Delta R.T.: 0.000 min  
Response: 4167325  
Conc: 2.78 ng/ml



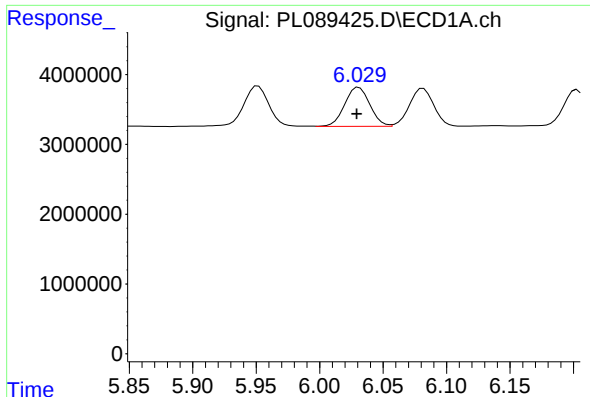
#10 gamma-Chlordane

R.T.: 5.950 min  
Delta R.T.: 0.000 min  
Response: 7922224  
Conc: 3.47 ng/ml m



#10 gamma-Chlordane

R.T.: 5.009 min  
Delta R.T.: 0.000 min  
Response: 4676513  
Conc: 2.85 ng/ml



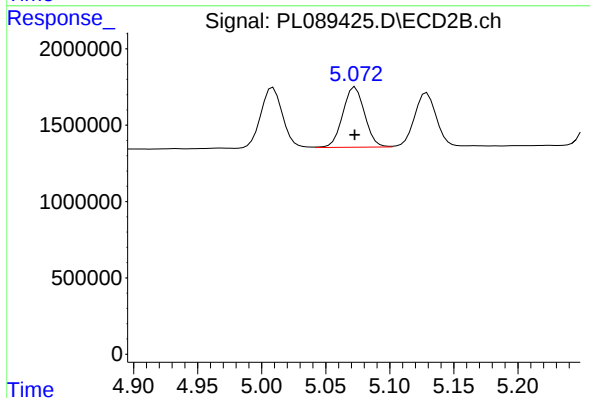
#11 alpha-Chlordane

R.T.: 6.029 min  
Delta R.T.: 0.000 min  
Response: 7718931  
Conc: 3.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2024

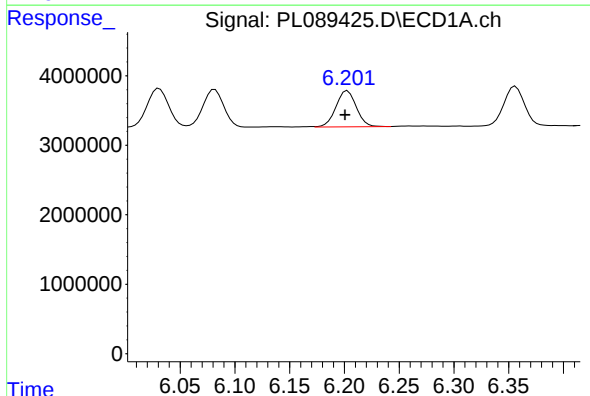
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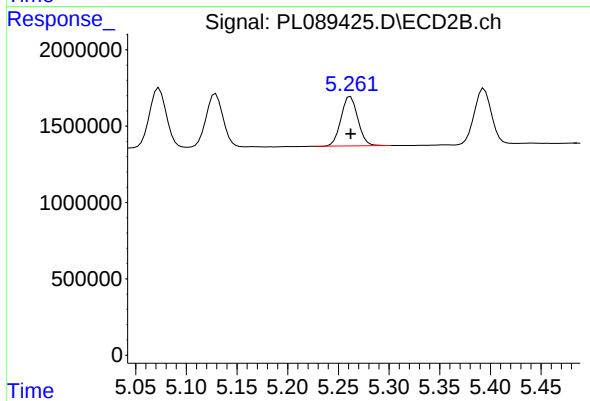
#11 alpha-Chlordane

R.T.: 5.073 min  
Delta R.T.: 0.000 min  
Response: 4673390  
Conc: 2.83 ng/ml



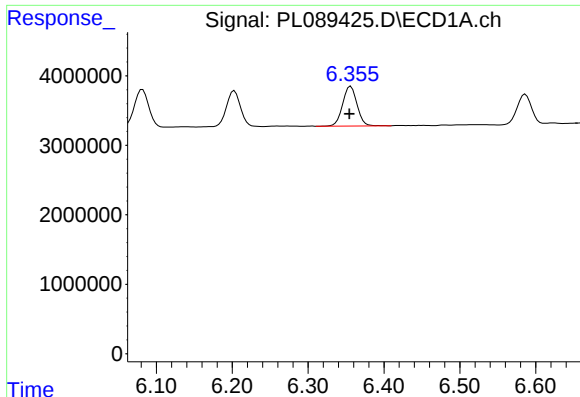
#12 4,4'-DDE

R.T.: 6.201 min  
Delta R.T.: 0.000 min  
Response: 6752669  
Conc: 3.34 ng/ml m



#12 4,4'-DDE

R.T.: 5.262 min  
Delta R.T.: 0.000 min  
Response: 3741272  
Conc: 2.57 ng/ml



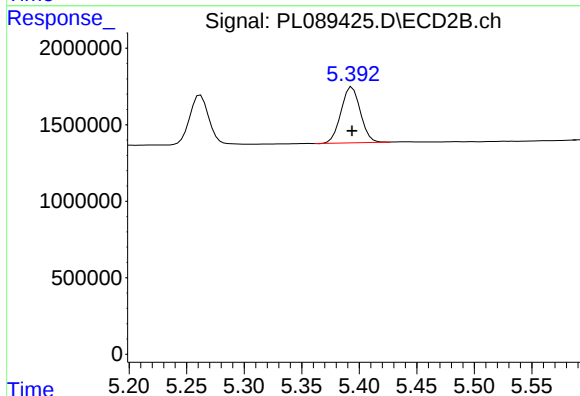
#13 Dieldrin

R.T.: 6.356 min  
Delta R.T.: 0.002 min  
Response: 7547671  
Conc: 3.37 ng/ml

Instrument :  
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LOD-MDL-WATER-01-QT2-2024

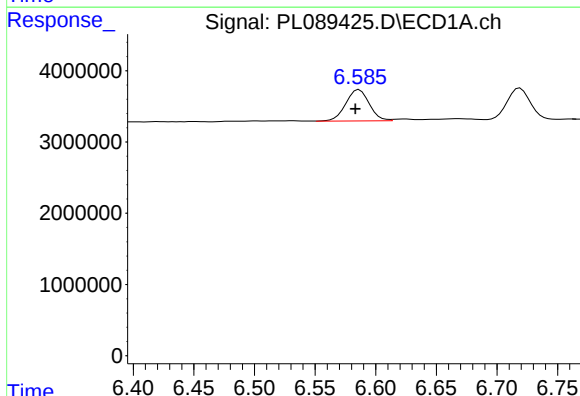
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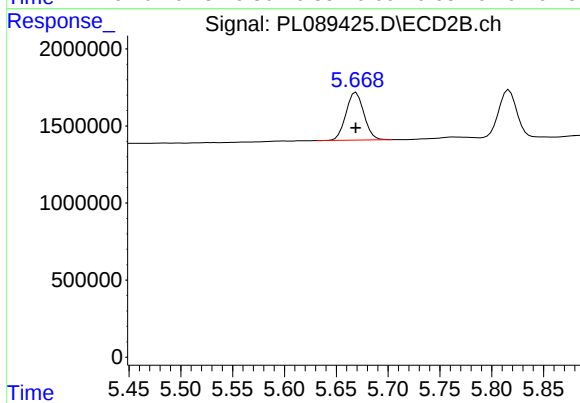
#13 Dieldrin

R.T.: 5.394 min  
Delta R.T.: 0.000 min  
Response: 4273931  
Conc: 2.66 ng/ml



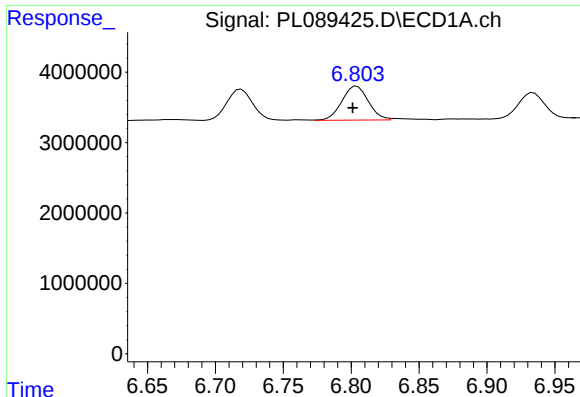
#14 Endrin

R.T.: 6.586 min  
Delta R.T.: 0.003 min  
Response: 5922158  
Conc: 3.13 ng/ml



#14 Endrin

R.T.: 5.669 min  
Delta R.T.: 0.000 min  
Response: 3737982  
Conc: 2.60 ng/ml



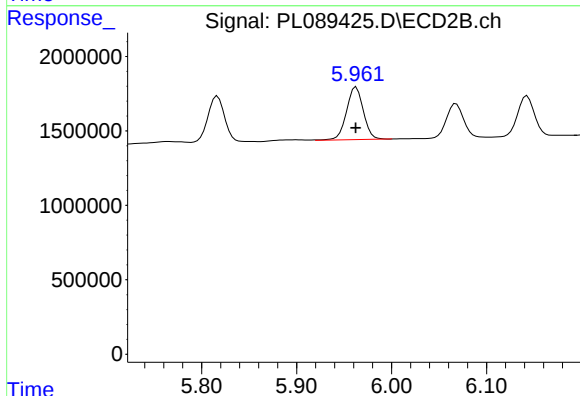
#15 Endosulfan II

R.T.: 6.803 min  
Delta R.T.: 0.002 min  
Response: 6581502  
Conc: 3.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2024

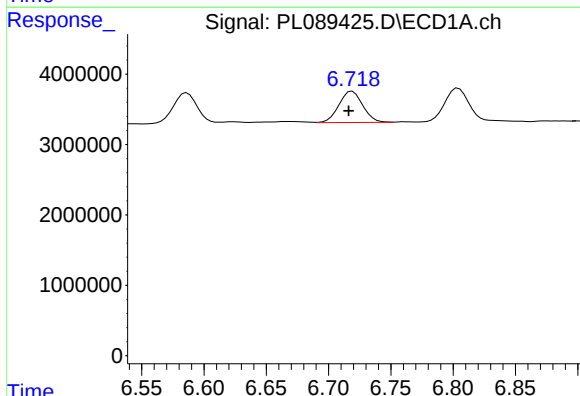
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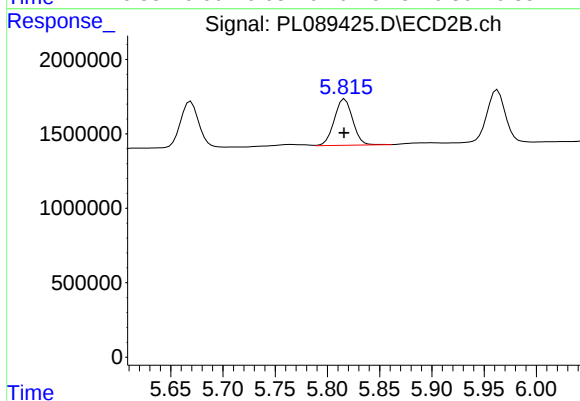
#15 Endosulfan II

R.T.: 5.961 min  
Delta R.T.: 0.000 min  
Response: 4347184  
Conc: 3.02 ng/ml m



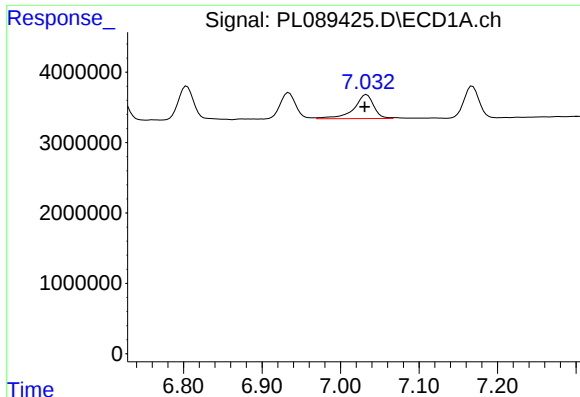
#16 4,4'-DDD

R.T.: 6.718 min  
Delta R.T.: 0.002 min  
Response: 5920005  
Conc: 3.51 ng/ml m



#16 4,4'-DDD

R.T.: 5.817 min  
Delta R.T.: 0.000 min  
Response: 3810438  
Conc: 3.09 ng/ml



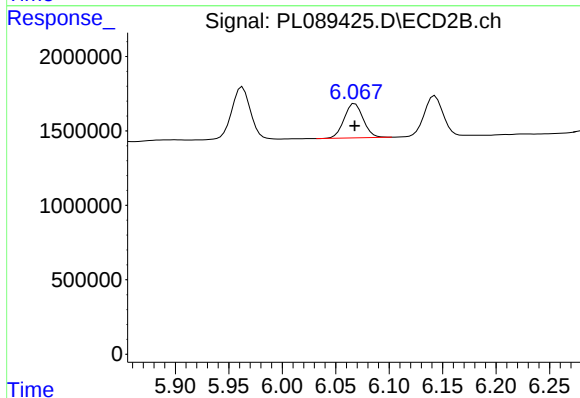
#17 4,4'-DDT

R.T.: 7.032 min  
Delta R.T.: 0.001 min  
Response: 5986496  
Conc: 3.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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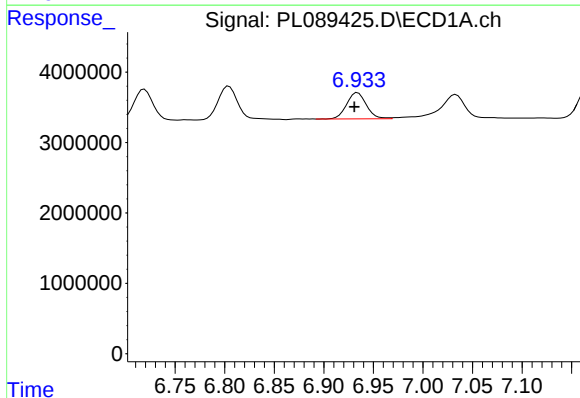
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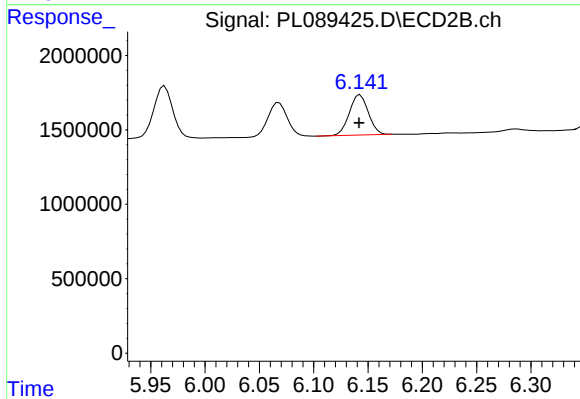
#17 4,4'-DDT

R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 2854013  
Conc: 2.11 ng/ml



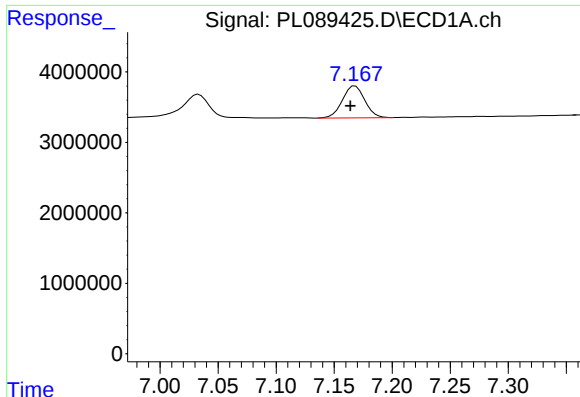
#18 Endrin aldehyde

R.T.: 6.934 min  
Delta R.T.: 0.003 min  
Response: 5162352  
Conc: 3.41 ng/ml



#18 Endrin aldehyde

R.T.: 6.143 min  
Delta R.T.: 0.001 min  
Response: 3294637  
Conc: 2.96 ng/ml



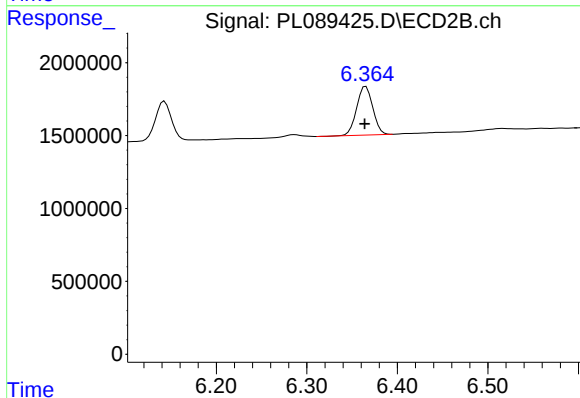
#19 Endosulfan Sulfate

R.T.: 7.168 min  
Delta R.T.: 0.004 min  
Response: 6062052  
Conc: 3.35 ng/ml

Instrument :  
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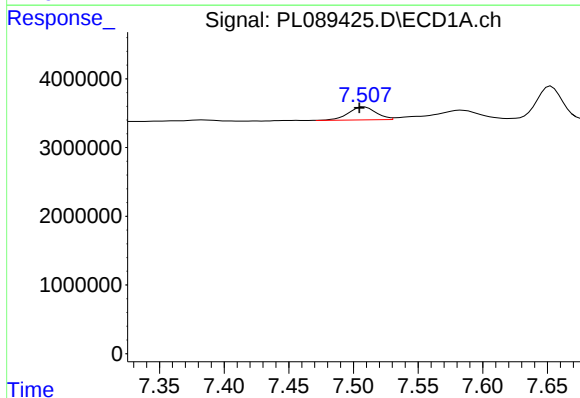
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Supervised By :Ankita Jodhani 05/13/2024



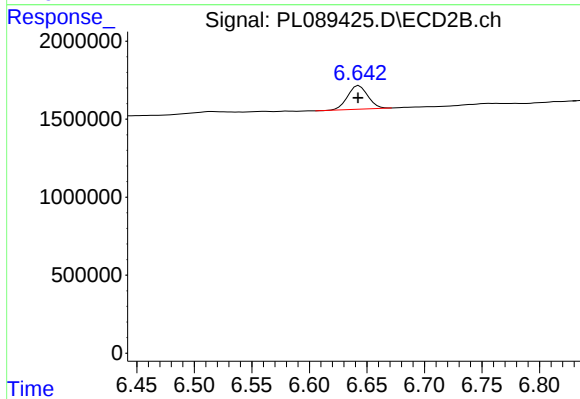
#19 Endosulfan Sulfate

R.T.: 6.365 min  
Delta R.T.: 0.001 min  
Response: 4142257  
Conc: 2.99 ng/ml



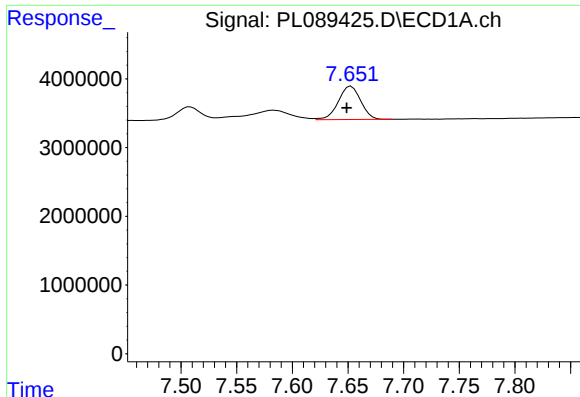
#20 Methoxychlor

R.T.: 7.507 min  
Delta R.T.: 0.002 min  
Response: 2815875  
Conc: 2.86 ng/ml m



#20 Methoxychlor

R.T.: 6.643 min  
Delta R.T.: 0.000 min  
Response: 1849786  
Conc: 2.31 ng/ml



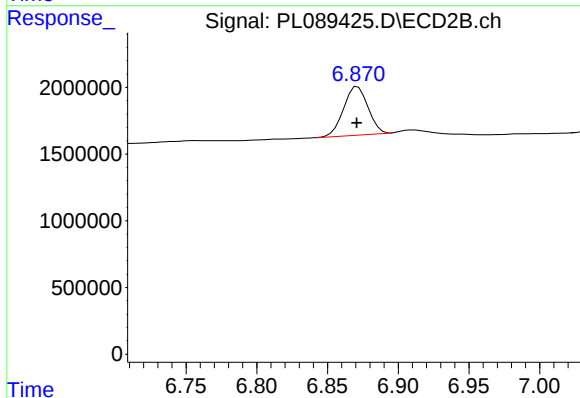
#21 Endrin ketone

R.T.: 7.653 min  
Delta R.T.: 0.004 min  
Response: 6788099  
Conc: 3.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2024

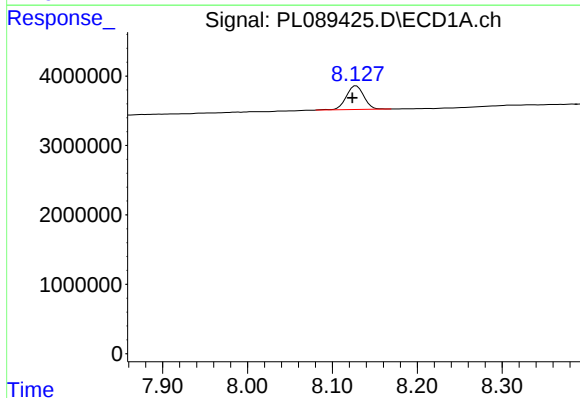
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/10/2024  
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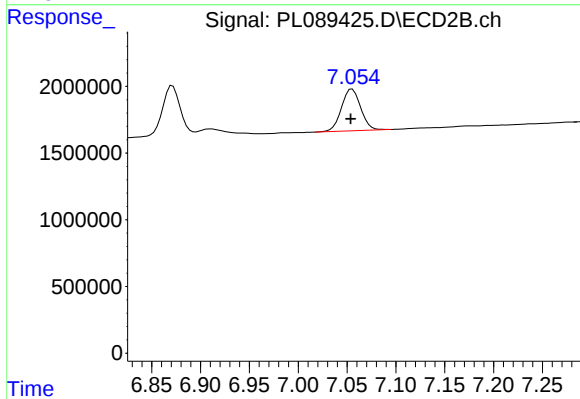
#21 Endrin ketone

R.T.: 6.871 min  
Delta R.T.: 0.000 min  
Response: 4362847  
Conc: 2.73 ng/ml



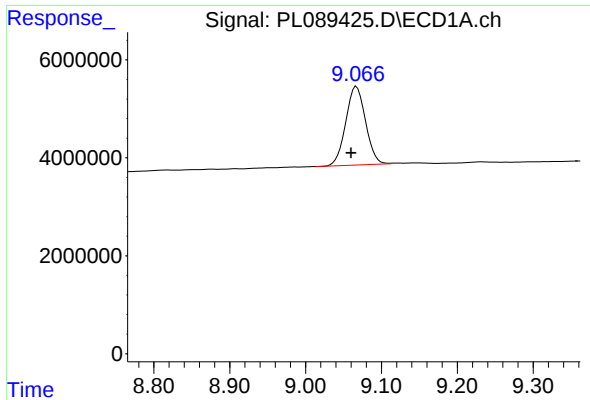
#22 Mirex

R.T.: 8.128 min  
Delta R.T.: 0.005 min  
Response: 4935265  
Conc: 3.18 ng/ml



#22 Mirex

R.T.: 7.055 min  
Delta R.T.: 0.002 min  
Response: 4282804  
Conc: 3.14 ng/ml



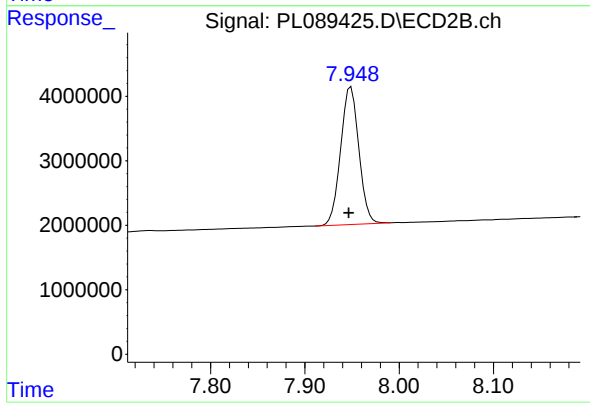
#28 Decachlorobiphenyl

R.T.: 9.067 min  
Delta R.T.: 0.007 min  
Response: 29039789  
Conc: 20.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-WATER-01-QT2-2024

Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 05/13/2024



#28 Decachlorobiphenyl

R.T.: 7.949 min  
Delta R.T.: 0.002 min  
Response: 28629703  
Conc: 21.28 ng/ml