

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111124\  
 Data File : PD086518.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Nov 2024 13:31  
 Operator : AR\AJ  
 Sample : P4368-01  
 Misc : PEST LOD 2.5PPB  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2024

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 11/12/2024  
 Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 12 01:39:44 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD103024.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 31 11:38:14 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... | 3.560 | 2.887 | 28216048 | 213.6E6  | 19.316 | 21.604  |
| 28)                         | SA Decachlor... | 9.098 | 8.095 | 41326051 | 250.5E6  | 21.556 | 23.383  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 4.010 | 3.402 | 7152495  | 52438782 | 2.496  | 3.456 # |
| 3)                          | MA gamma-BHC... | 4.341 | 3.739 | 7235486  | 49438155 | 2.525  | 3.381 # |
| 4)                          | MA Heptachlor   | 4.942 | 4.095 | 7607319  | 51735419 | 2.781  | 3.672 # |
| 5)                          | MB Aldrin       | 5.284 | 4.382 | 7299108  | 50532338 | 2.656  | 3.467 # |
| 6)                          | B beta-BHC      | 4.525 | 4.035 | 3613107  | 25215830 | 3.161  | 3.955 # |
| 7)                          | B delta-BHC     | 4.774 | 4.272 | 9069658  | 50057349 | 3.069  | 3.367   |
| 8)                          | B Heptachlo...  | 5.704 | 4.887 | 6727753  | 51212610 | 2.732m | 3.885 # |
| 9)                          | A Endosulfan I  | 6.089 | 5.262 | 6735303  | 45739031 | 2.934  | 3.682 # |
| 10)                         | B gamma-Chl...  | 5.960 | 5.141 | 6947344  | 49262664 | 2.886  | 3.619 # |
| 11)                         | B alpha-Chl...  | 6.041 | 5.206 | 7333269  | 48946643 | 3.030  | 3.658   |
| 12)                         | B 4,4'-DDE      | 6.211 | 5.391 | 6060321  | 48093601 | 2.711  | 3.675 # |
| 13)                         | MA Dieldrin     | 6.362 | 5.529 | 7001737  | 47625321 | 2.813  | 3.493   |
| 14)                         | MA Endrin       | 6.590 | 5.803 | 6100512  | 44464338 | 2.830  | 3.624m# |
| 15)                         | B Endosulfa...  | 6.801 | 6.096 | 6618505  | 44288956 | 3.062  | 3.689   |
| 16)                         | A 4,4'-DDD      | 6.720 | 5.946 | 5160605  | 38496405 | 2.856  | 3.496   |
| 17)                         | MA 4,4'-DDT     | 7.037 | 6.201 | 4679713  | 39839256 | 2.556  | 3.435 # |
| 18)                         | B Endrin al...  | 6.930 | 6.275 | 5212011  | 35761929 | 3.152  | 3.814   |
| 19)                         | B Endosulfa...  | 7.165 | 6.499 | 5914770  | 43204544 | 2.944  | 3.733 # |
| 20)                         | A Methoxychlor  | 7.510 | 6.774 | 3238704  | 23745959 | 2.995  | 3.758 # |
| 21)                         | B Endrin ke...  | 7.646 | 7.008 | 6596162  | 48849126 | 2.907  | 3.841 # |
| 22)                         | Mirex           | 8.132 | 7.206 | 5178708  | 38299508 | 3.128  | 3.686   |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111124\  
Data File : PD086518.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Nov 2024 13:31  
Operator : AR\AJ  
Sample : P4368-01  
Misc : PEST LOD 2.5PPB  
ALS Vial : 9 Sample Multiplier: 1

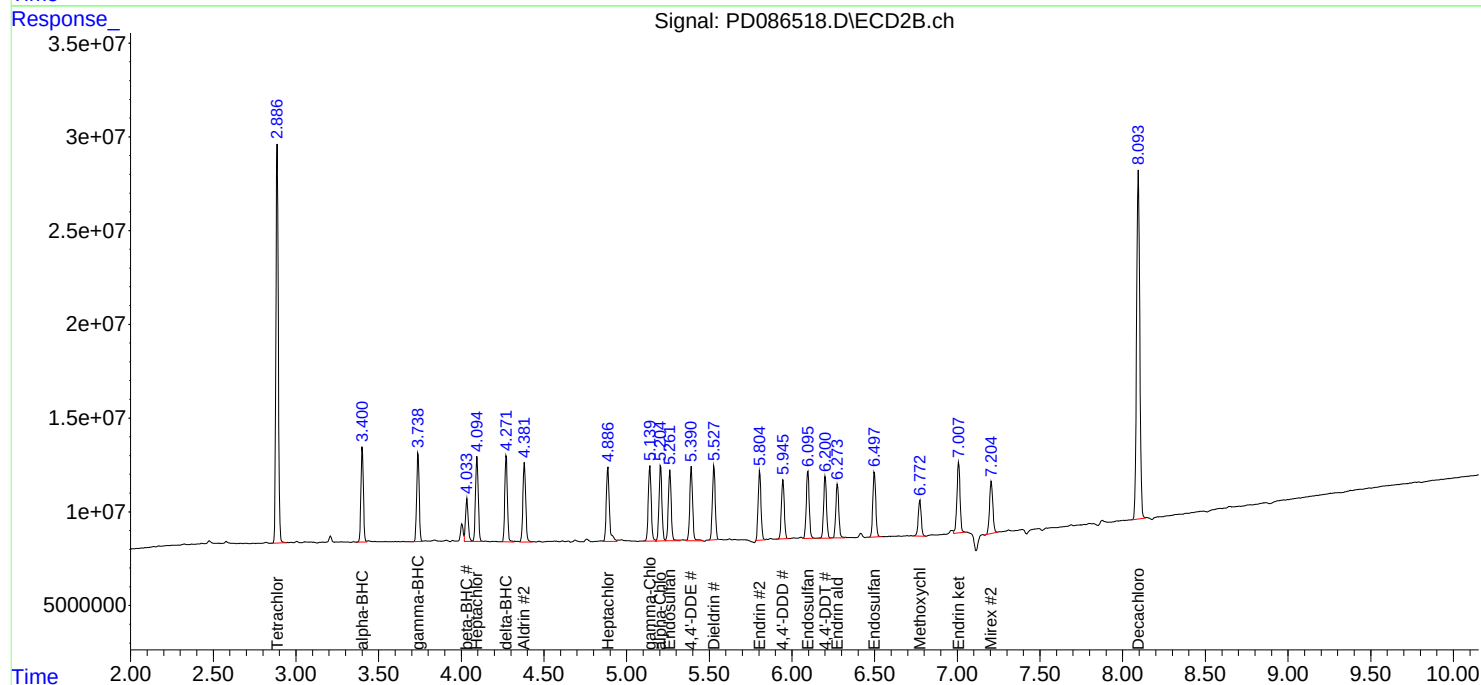
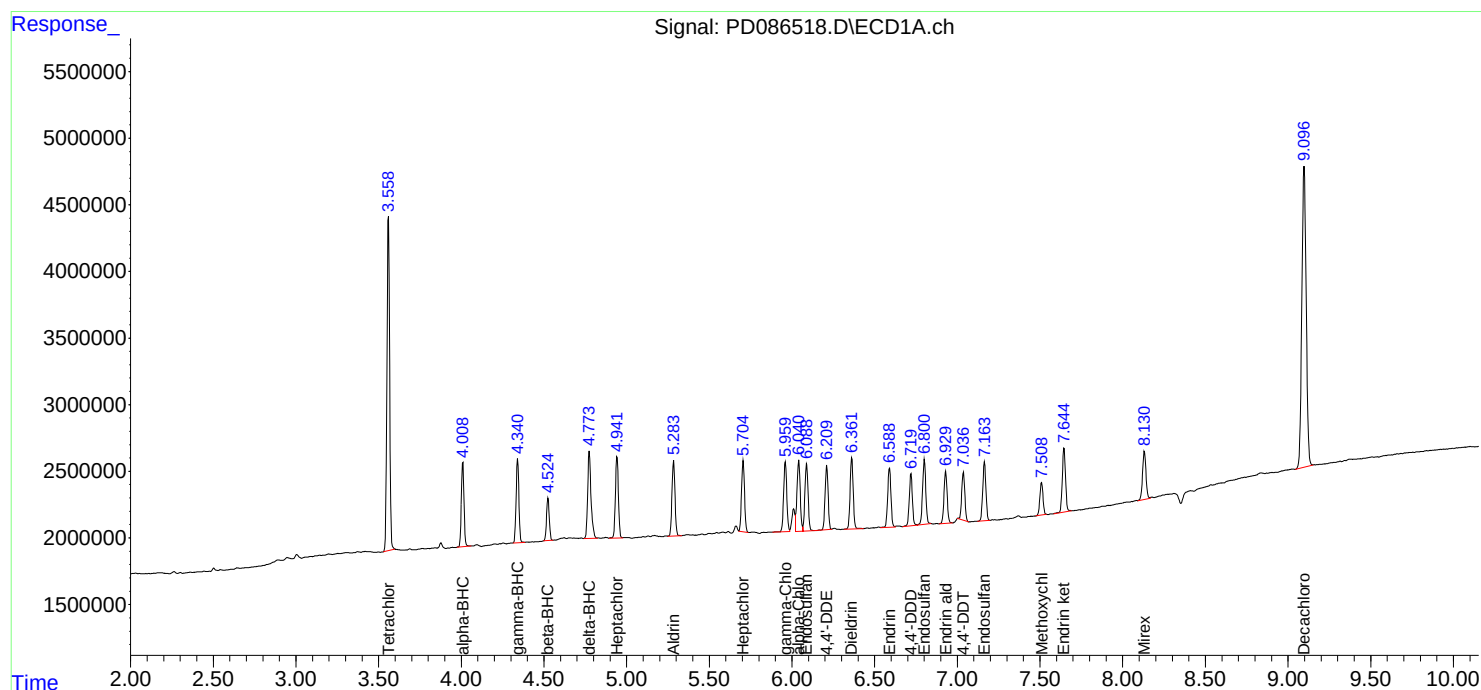
Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

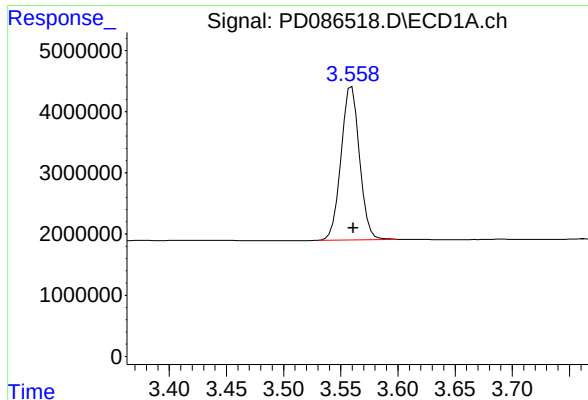
Manual Integrations  
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Supervised By : Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 12 01:39:44 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD103024.M  
Quant Title : GC Extractables  
QLast Update : Thu Oct 31 11:38:14 2024  
Response via : Initial Calibration  
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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





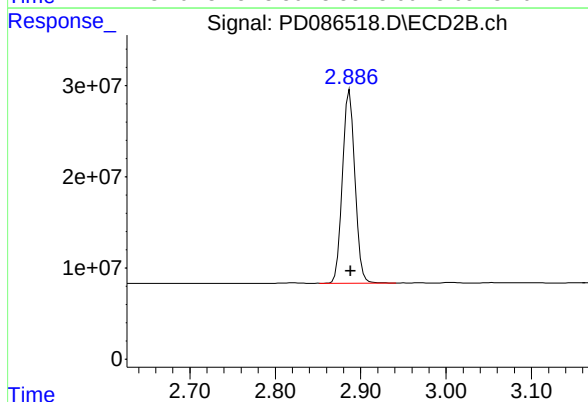
#1 Tetrachloro-m-xylene

R.T.: 3.560 min  
Delta R.T.: -0.001 min  
Response: 28216048  
Conc: 19.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

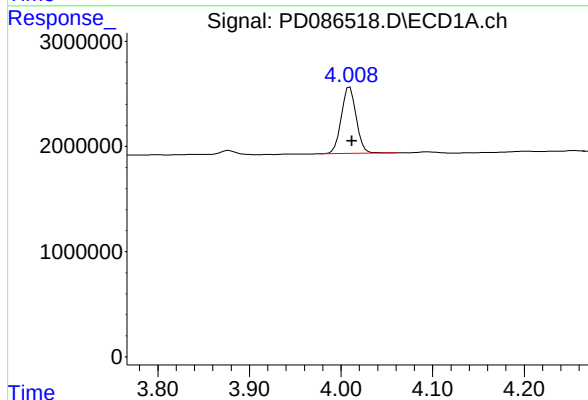
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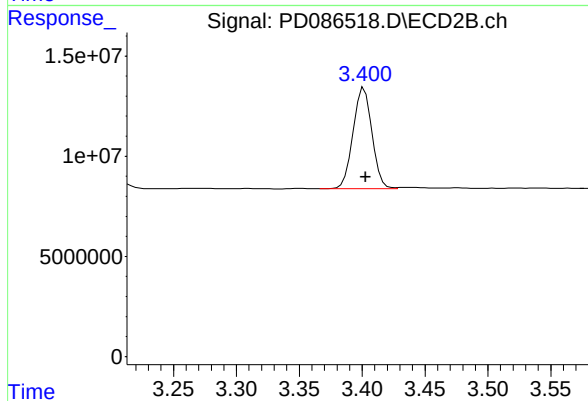
#1 Tetrachloro-m-xylene

R.T.: 2.887 min  
Delta R.T.: -0.001 min  
Response: 213647458  
Conc: 21.60 ng/ml



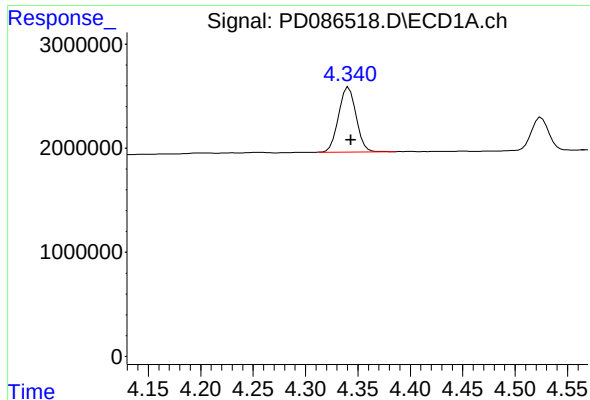
#2 alpha-BHC

R.T.: 4.010 min  
Delta R.T.: -0.002 min  
Response: 7152495  
Conc: 2.50 ng/ml



#2 alpha-BHC

R.T.: 3.402 min  
Delta R.T.: -0.001 min  
Response: 52438782  
Conc: 3.46 ng/ml



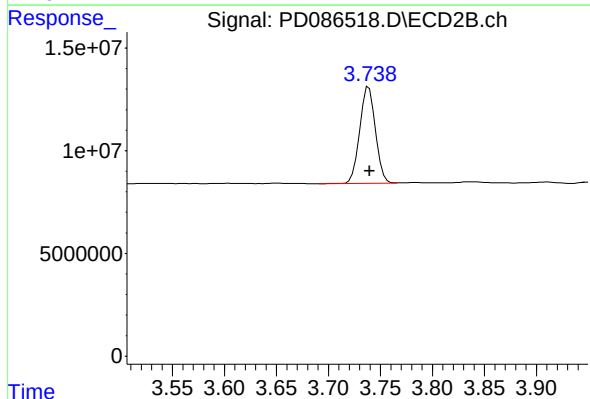
#3 gamma-BHC (Lindane)

R.T.: 4.341 min  
Delta R.T.: -0.002 min  
Response: 7235486  
Conc: 2.53 ng/ml

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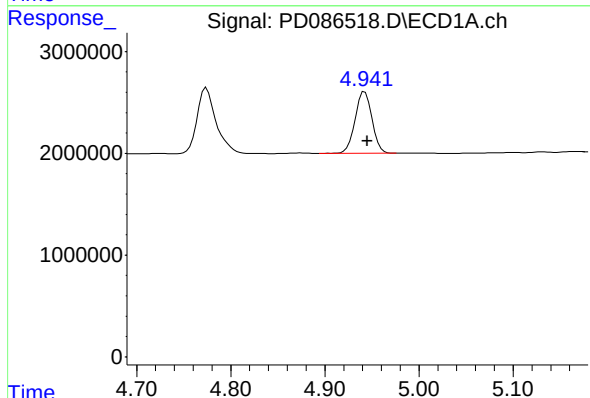
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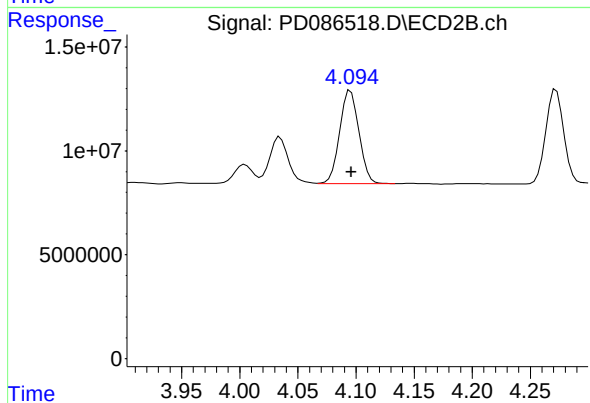
#3 gamma-BHC (Lindane)

R.T.: 3.739 min  
Delta R.T.: 0.000 min  
Response: 49438155  
Conc: 3.38 ng/ml



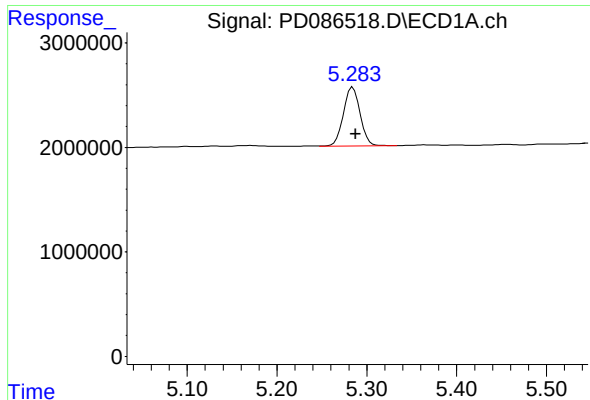
#4 Heptachlor

R.T.: 4.942 min  
Delta R.T.: -0.003 min  
Response: 7607319  
Conc: 2.78 ng/ml



#4 Heptachlor

R.T.: 4.095 min  
Delta R.T.: 0.000 min  
Response: 51735419  
Conc: 3.67 ng/ml



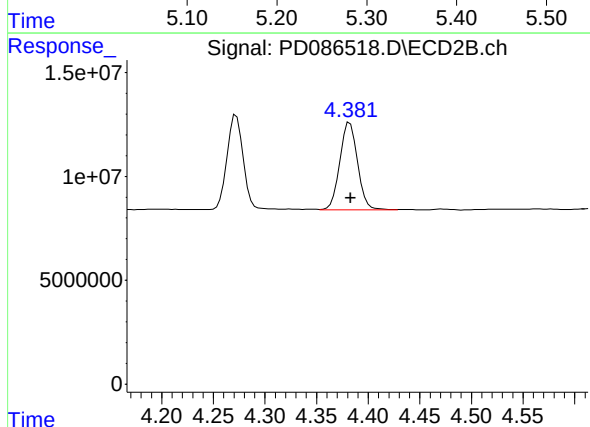
#5 Aldrin

R.T.: 5.284 min  
Delta R.T.: -0.003 min  
Response: 7299108  
Conc: 2.66 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

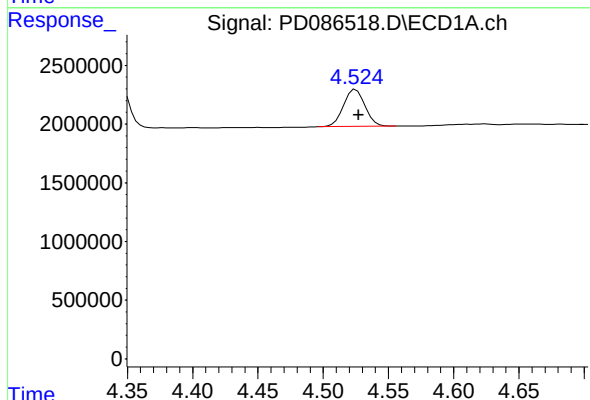
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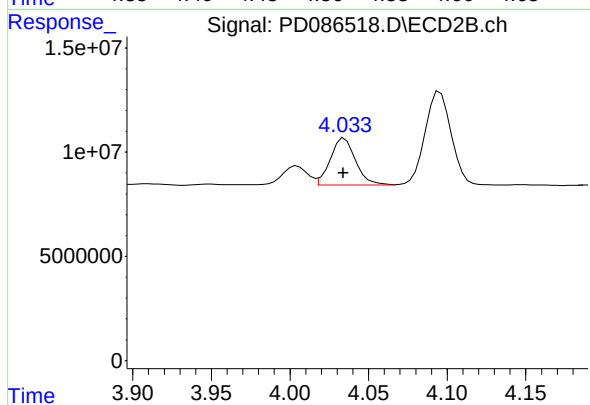
#5 Aldrin

R.T.: 4.382 min  
Delta R.T.: 0.000 min  
Response: 50532338  
Conc: 3.47 ng/ml



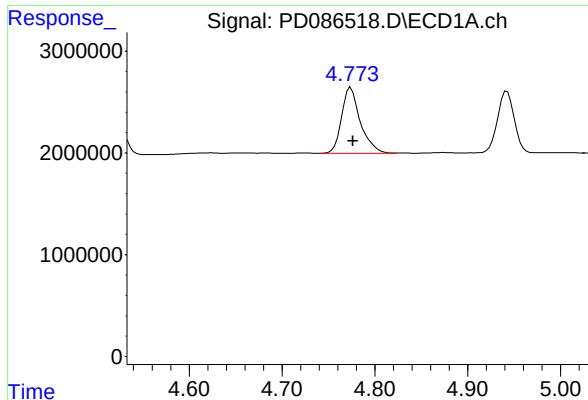
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: -0.002 min  
Response: 3613107  
Conc: 3.16 ng/ml



#6 beta-BHC

R.T.: 4.035 min  
Delta R.T.: 0.000 min  
Response: 25215830  
Conc: 3.95 ng/ml



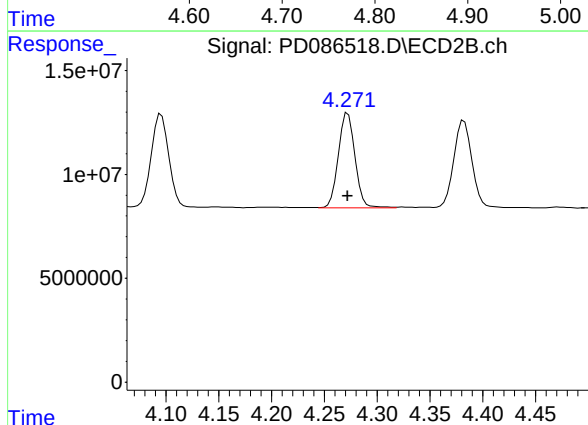
#7 delta-BHC

R.T.: 4.774 min  
Delta R.T.: -0.002 min  
Response: 9069658  
Conc: 3.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

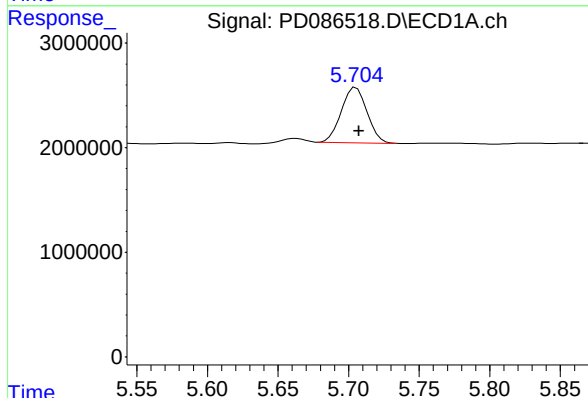
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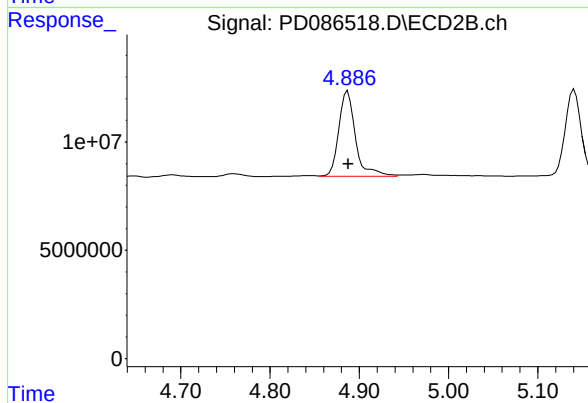
#7 delta-BHC

R.T.: 4.272 min  
Delta R.T.: 0.000 min  
Response: 50057349  
Conc: 3.37 ng/ml



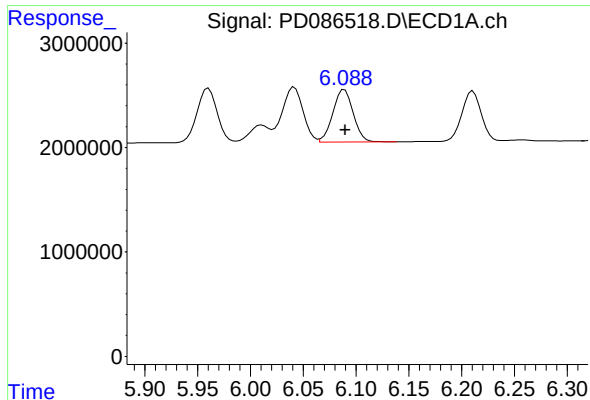
#8 Heptachlor epoxide

R.T.: 5.704 min  
Delta R.T.: -0.004 min  
Response: 6727753  
Conc: 2.73 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.887 min  
Delta R.T.: 0.000 min  
Response: 51212610  
Conc: 3.89 ng/ml



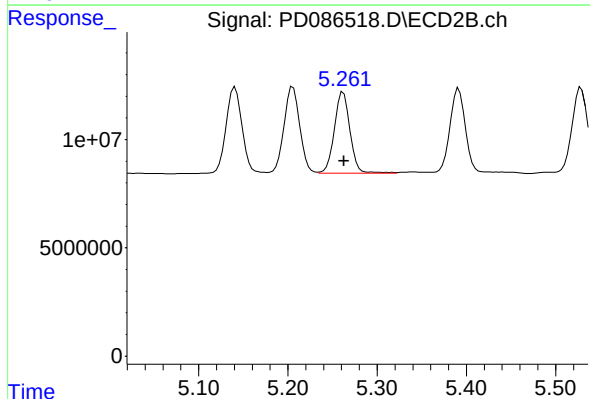
#9 Endosulfan I

R.T.: 6.089 min  
Delta R.T.: 0.000 min  
Response: 6735303  
Conc: 2.93 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

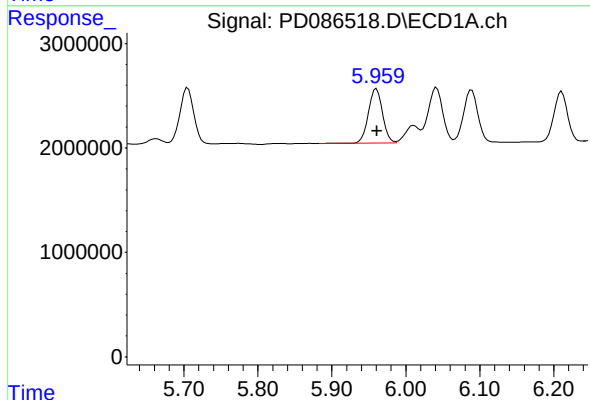
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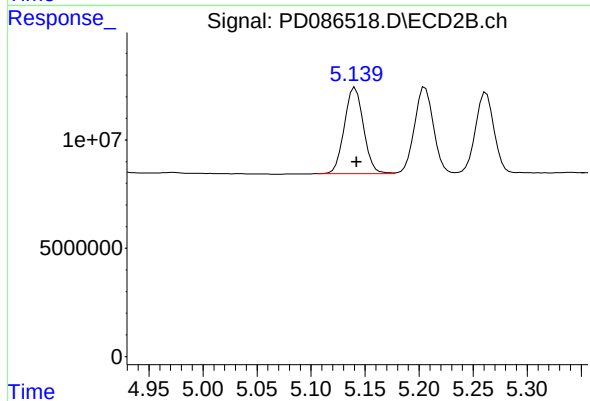
#9 Endosulfan I

R.T.: 5.262 min  
Delta R.T.: 0.000 min  
Response: 45739031  
Conc: 3.68 ng/ml



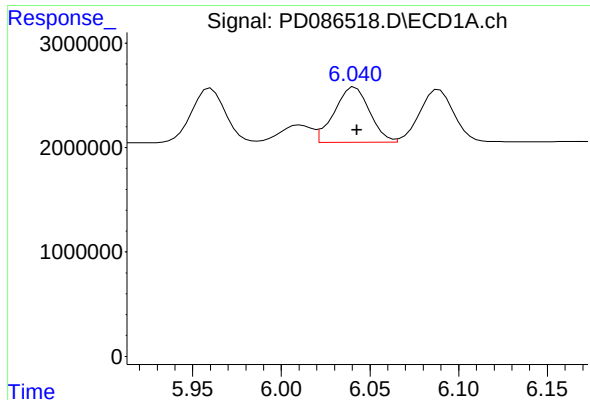
#10 gamma-Chlordane

R.T.: 5.960 min  
Delta R.T.: 0.000 min  
Response: 6947344  
Conc: 2.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.141 min  
Delta R.T.: -0.001 min  
Response: 49262664  
Conc: 3.62 ng/ml



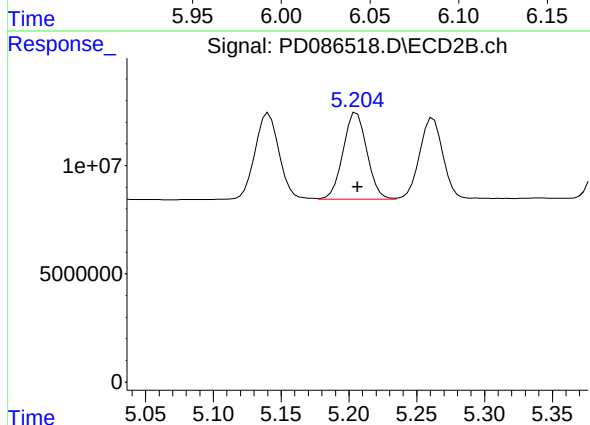
#11 alpha-Chlordane

R.T.: 6.041 min  
Delta R.T.: -0.001 min  
Response: 7333269  
Conc: 3.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

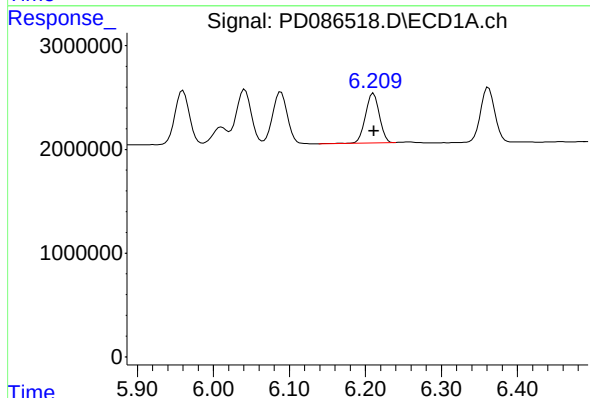
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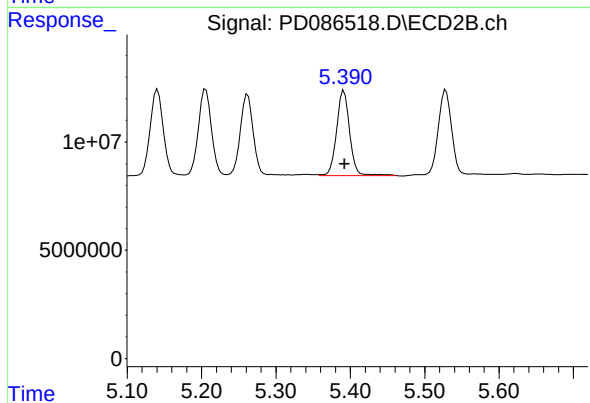
#11 alpha-Chlordane

R.T.: 5.206 min  
Delta R.T.: 0.000 min  
Response: 48946643  
Conc: 3.66 ng/ml



#12 4,4'-DDE

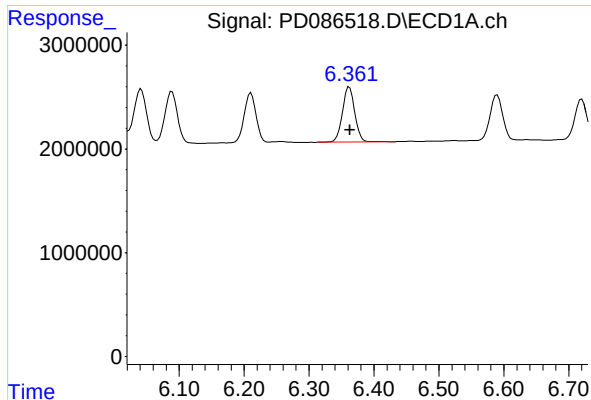
R.T.: 6.211 min  
Delta R.T.: 0.000 min  
Response: 6060321  
Conc: 2.71 ng/ml



#12 4,4'-DDE

R.T.: 5.391 min  
Delta R.T.: -0.001 min  
Response: 48093601  
Conc: 3.68 ng/ml





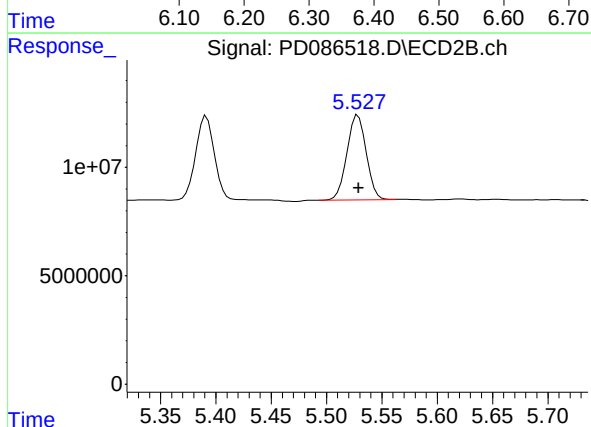
#13 Dieldrin

R.T.: 6.362 min  
Delta R.T.: -0.001 min  
Response: 7001737  
Conc: 2.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

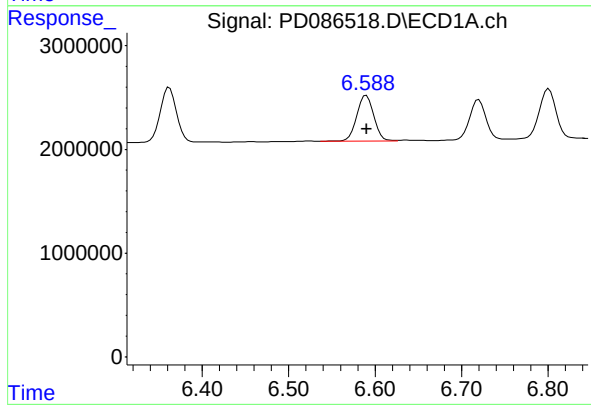
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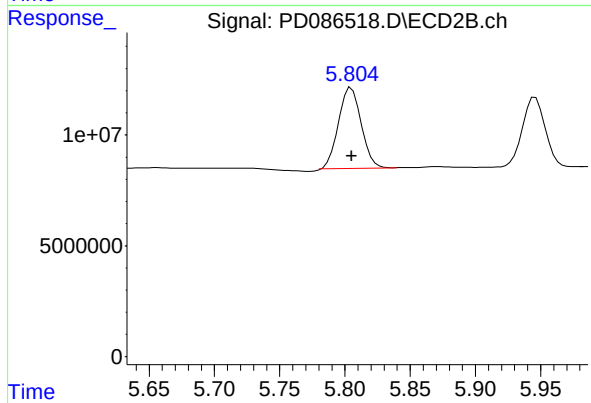
#13 Dieldrin

R.T.: 5.529 min  
Delta R.T.: 0.000 min  
Response: 47625321  
Conc: 3.49 ng/ml



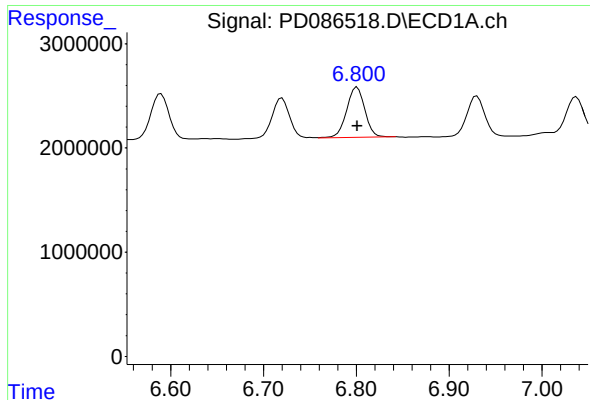
#14 Endrin

R.T.: 6.590 min  
Delta R.T.: 0.000 min  
Response: 6100512  
Conc: 2.83 ng/ml



#14 Endrin

R.T.: 5.803 min  
Delta R.T.: -0.002 min  
Response: 44464338  
Conc: 3.62 ng/ml m



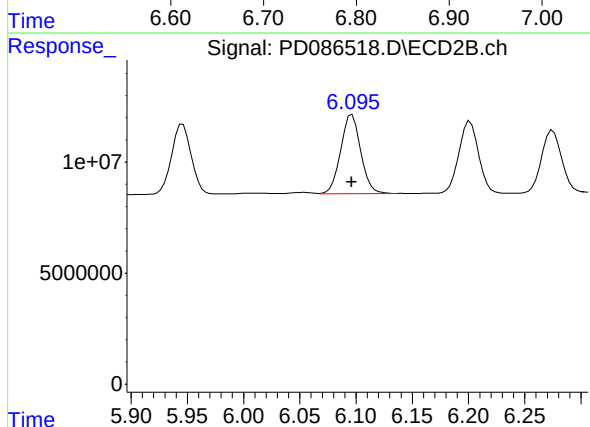
#15 Endosulfan II

R.T.: 6.801 min  
Delta R.T.: 0.000 min  
Response: 6618505  
Conc: 3.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

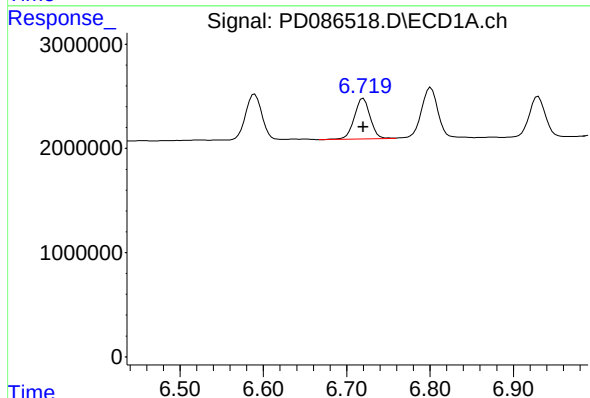
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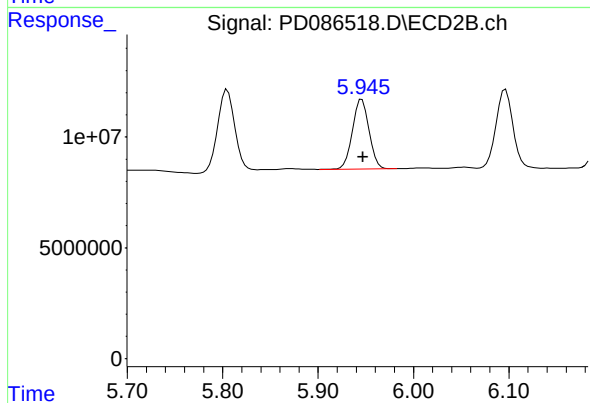
#15 Endosulfan II

R.T.: 6.096 min  
Delta R.T.: 0.000 min  
Response: 44288956  
Conc: 3.69 ng/ml



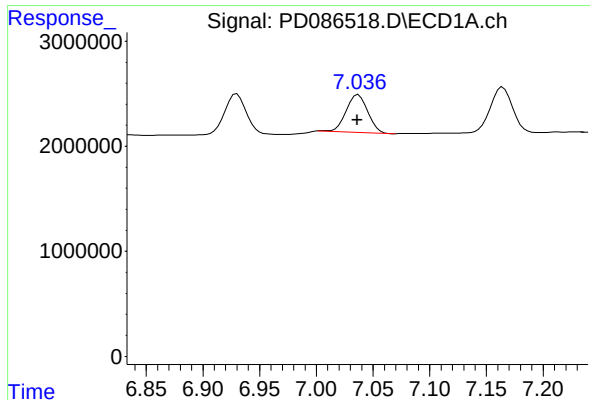
#16 4,4'-DDD

R.T.: 6.720 min  
Delta R.T.: 0.000 min  
Response: 5160605  
Conc: 2.86 ng/ml



#16 4,4'-DDD

R.T.: 5.946 min  
Delta R.T.: -0.001 min  
Response: 38496405  
Conc: 3.50 ng/ml



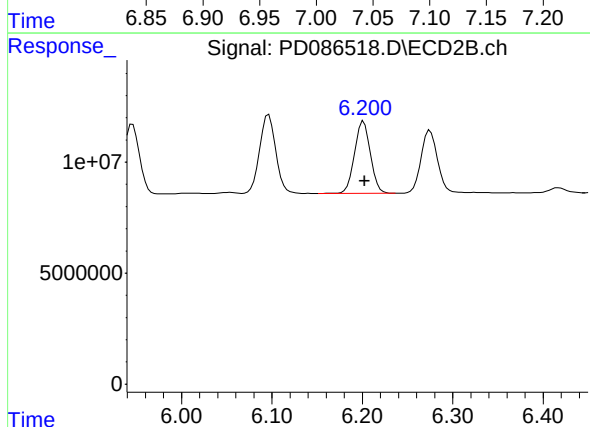
#17 4,4'-DDT

R.T.: 7.037 min  
Delta R.T.: 0.000 min  
Response: 4679713  
Conc: 2.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

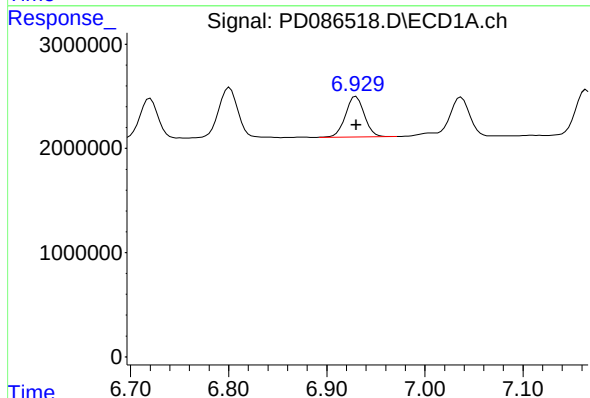
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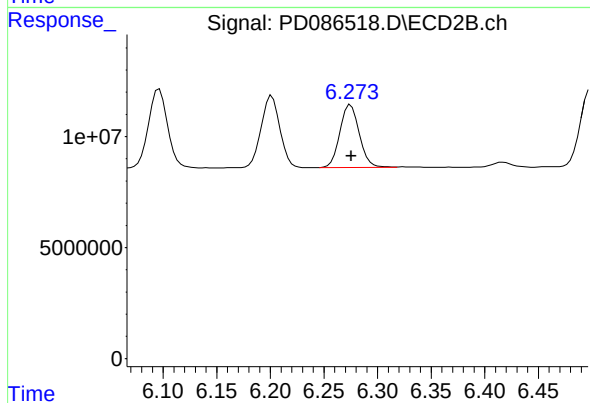
#17 4,4'-DDT

R.T.: 6.201 min  
Delta R.T.: 0.000 min  
Response: 39839256  
Conc: 3.44 ng/ml



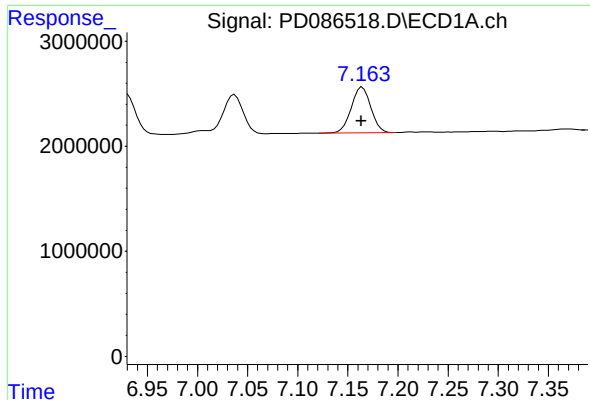
#18 Endrin aldehyde

R.T.: 6.930 min  
Delta R.T.: 0.000 min  
Response: 5212011  
Conc: 3.15 ng/ml



#18 Endrin aldehyde

R.T.: 6.275 min  
Delta R.T.: 0.000 min  
Response: 35761929  
Conc: 3.81 ng/ml



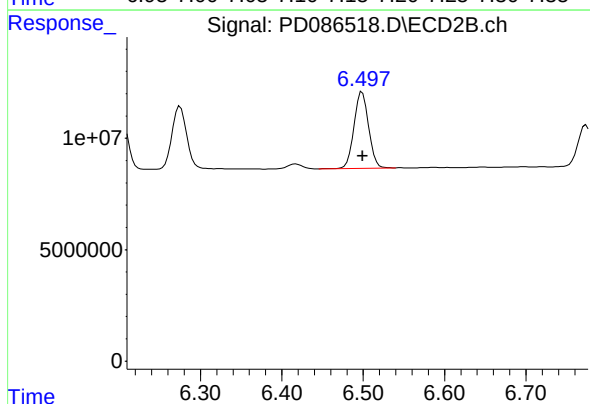
#19 Endosulfan Sulfate

R.T.: 7.165 min  
Delta R.T.: 0.001 min  
Response: 5914770  
Conc: 2.94 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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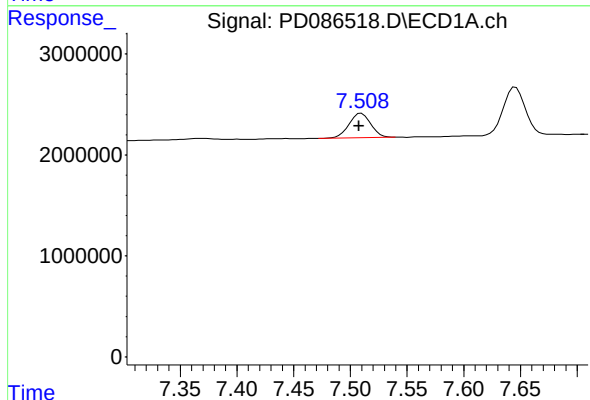
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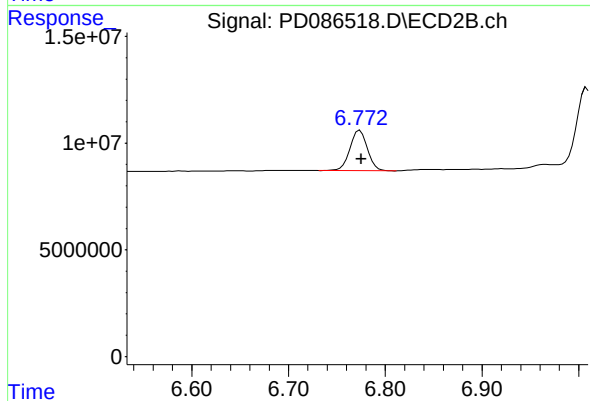
#19 Endosulfan Sulfate

R.T.: 6.499 min  
Delta R.T.: 0.000 min  
Response: 43204544  
Conc: 3.73 ng/ml



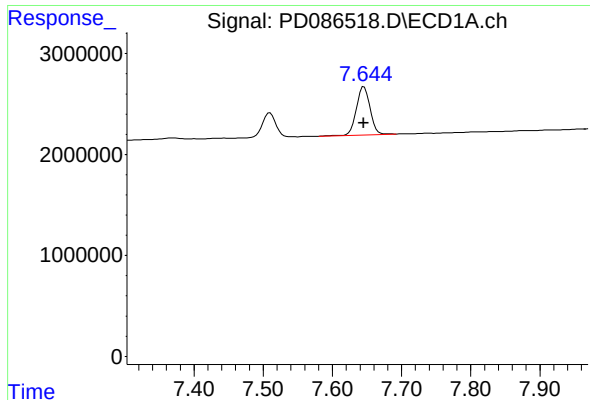
#20 Methoxychlor

R.T.: 7.510 min  
Delta R.T.: 0.002 min  
Response: 3238704  
Conc: 2.99 ng/ml



#20 Methoxychlor

R.T.: 6.774 min  
Delta R.T.: -0.001 min  
Response: 23745959  
Conc: 3.76 ng/ml



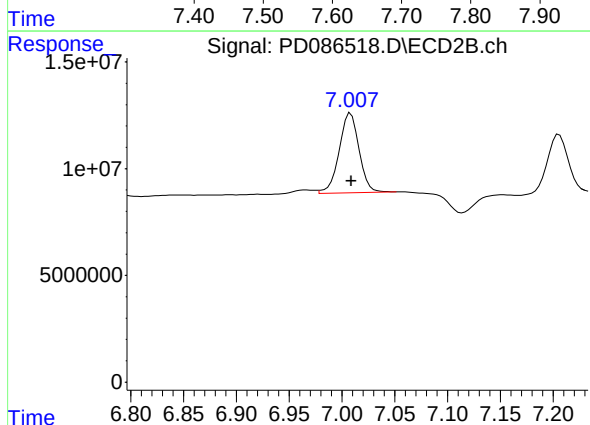
#21 Endrin ketone

R.T.: 7.646 min  
Delta R.T.: 0.000 min  
Response: 6596162  
Conc: 2.91 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

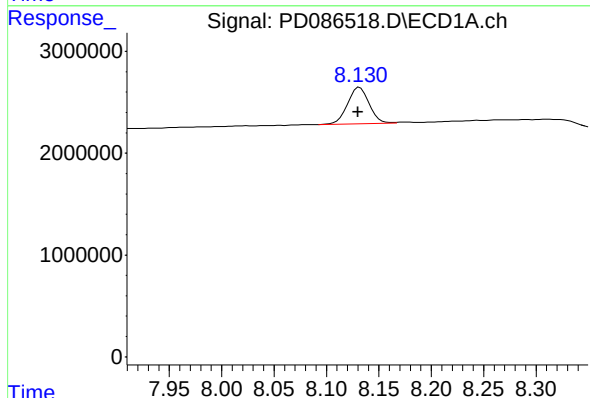
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



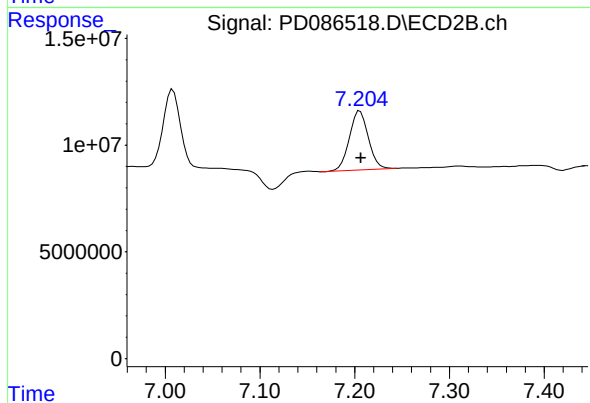
#21 Endrin ketone

R.T.: 7.008 min  
Delta R.T.: 0.000 min  
Response: 48849126  
Conc: 3.84 ng/ml



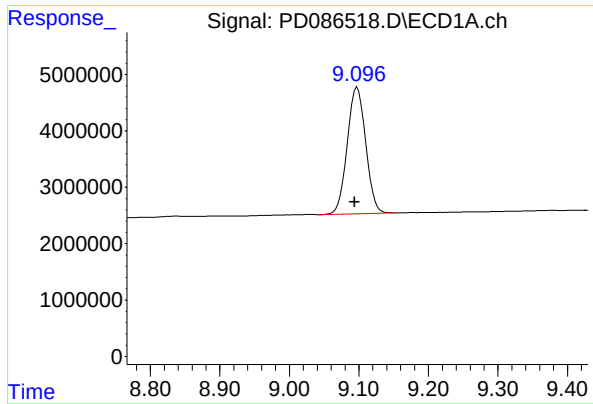
#22 Mirex

R.T.: 8.132 min  
Delta R.T.: 0.001 min  
Response: 5178708  
Conc: 3.13 ng/ml



#22 Mirex

R.T.: 7.206 min  
Delta R.T.: -0.001 min  
Response: 38299508  
Conc: 3.69 ng/ml



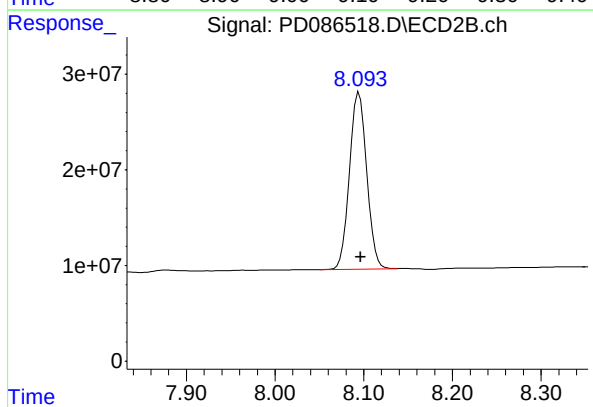
#28 Decachlorobiphenyl

R.T.: 9.098 min  
Delta R.T.: 0.004 min  
Response: 41326051  
Conc: 21.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2024

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 11/12/2024  
Supervised By :Ankita Jodhani 11/12/2024



#28 Decachlorobiphenyl

R.T.: 8.095 min  
Delta R.T.: -0.002 min  
Response: 250475450  
Conc: 23.38 ng/ml