

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD040723\  
 Data File : PD074624.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Apr 2023 19:28  
 Operator : AR\AJ  
 Sample : 02213-02  
 Misc : PEST LOQ 5PPB  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2023

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 04/10/2023  
 Supervised By : Ankita Jodhani 04/10/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 07 22:04:51 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD031423.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Mar 15 12:23:31 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|--------|
| -----                       |                 |       |       |          |          |        |        |
| System Monitoring Compounds |                 |       |       |          |          |        |        |
| 1)                          | SA Tetrachlo... | 3.549 | 2.770 | 44452924 | 23766297 | 19.057 | 19.529 |
| 28)                         | SA Decachlor... | 9.091 | 7.920 | 58376933 | 25697317 | 21.827 | 20.945 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 4.005 | 3.273 | 16306627 | 8080994  | 4.202  | 4.348  |
| 3)                          | MA gamma-BHC... | 4.338 | 3.603 | 17013744 | 7999313  | 4.850  | 4.669  |
| 4)                          | MA Heptachlor   | 4.931 | 3.945 | 17100683 | 8090527  | 4.991  | 4.743  |
| 5)                          | MB Aldrin       | 5.274 | 4.225 | 17378562 | 8102928  | 5.161  | 4.803  |
| 6)                          | B beta-BHC      | 4.533 | 3.899 | 8090271  | 3912184  | 5.474  | 5.181  |
| 7)                          | B delta-BHC     | 4.782 | 4.130 | 16007000 | 7818006  | 5.833  | 4.593  |
| 8)                          | B Heptachlo...  | 5.699 | 4.728 | 15371986 | 7807929  | 5.465m | 5.086  |
| 9)                          | A Endosulfan I  | 6.088 | 5.098 | 15362005 | 7181533  | 5.403  | 4.990  |
| 10)                         | B gamma-Chl...  | 5.957 | 4.978 | 16011946 | 7732215  | 5.335  | 4.980  |
| 11)                         | B alpha-Chl...  | 6.037 | 5.043 | 16520099 | 7875328  | 5.478  | 5.114  |
| 12)                         | B 4,4'-DDE      | 6.209 | 5.232 | 14105811 | 6675640  | 5.116  | 4.731  |
| 13)                         | MA Dieldrin     | 6.363 | 5.363 | 15817416 | 7492752  | 5.362  | 4.983  |
| 14)                         | MA Endrin       | 6.594 | 5.639 | 13496627 | 6662215  | 5.431  | 5.097  |
| 15)                         | B Endosulfa...  | 6.811 | 5.932 | 15626443 | 7079182  | 6.066m | 5.626  |
| 16)                         | A 4,4'-DDD      | 6.726 | 5.787 | 12046814 | 5707028  | 5.370  | 4.889  |
| 17)                         | MA 4,4'-DDT     | 7.042 | 6.039 | 13264902 | 5741040  | 5.204  | 4.675  |
| 18)                         | B Endrin al...  | 6.943 | 6.112 | 12727063 | 6103686  | 6.367  | 6.010  |
| 19)                         | B Endosulfa...  | 7.177 | 6.335 | 14410111 | 6723988  | 5.836  | 5.508  |
| 20)                         | A Methoxychlor  | 7.517 | 6.615 | 8717378  | 3724917  | 6.230  | 5.505  |
| 21)                         | B Endrin ke...  | 7.664 | 6.842 | 16551448 | 8052498  | 5.946  | 5.459  |
| 22)                         | Mirex           | 8.140 | 7.026 | 13404379 | 6514045  | 6.313  | 5.735  |
| -----                       |                 |       |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD040723\  
Data File : PD074624.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 07 Apr 2023 19:28  
Operator : AR\AJ  
Sample : 02213-02  
Misc : PEST LOQ 5PPB  
ALS Vial : 11 Sample Multiplier: 1

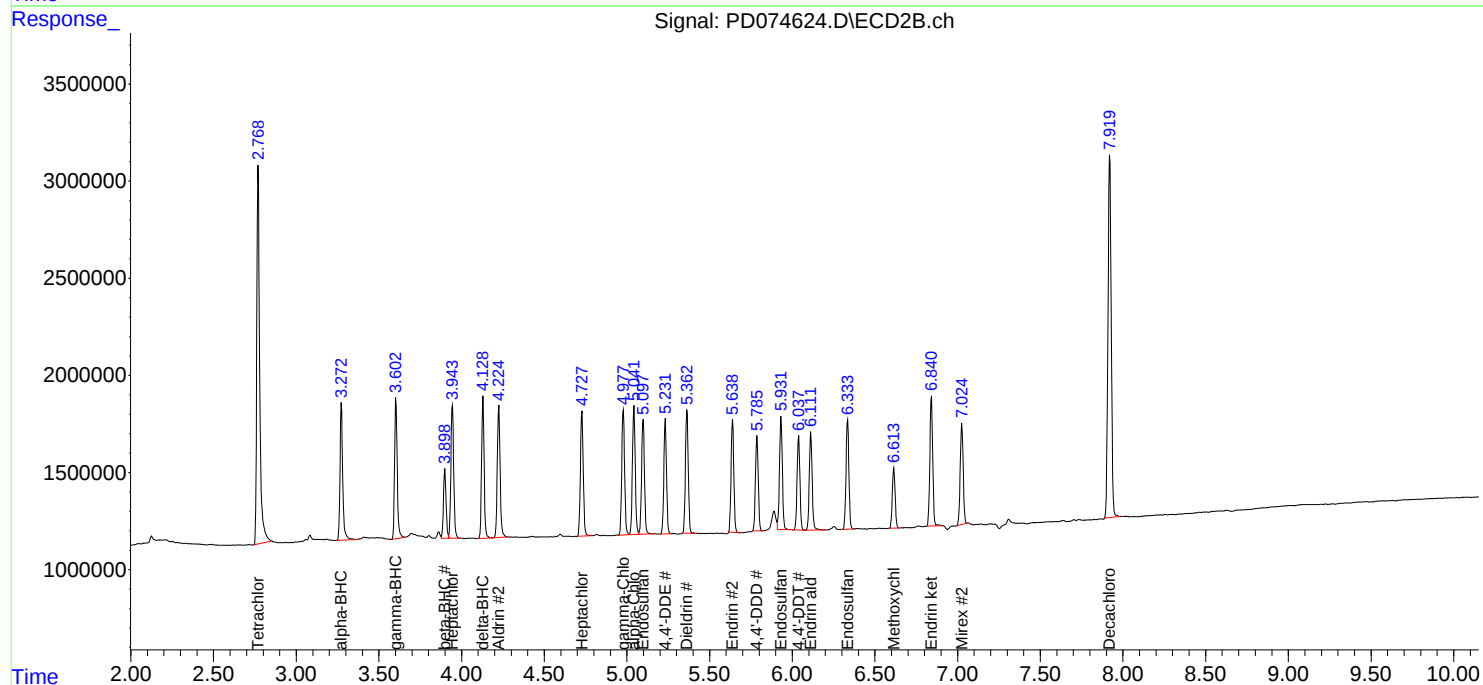
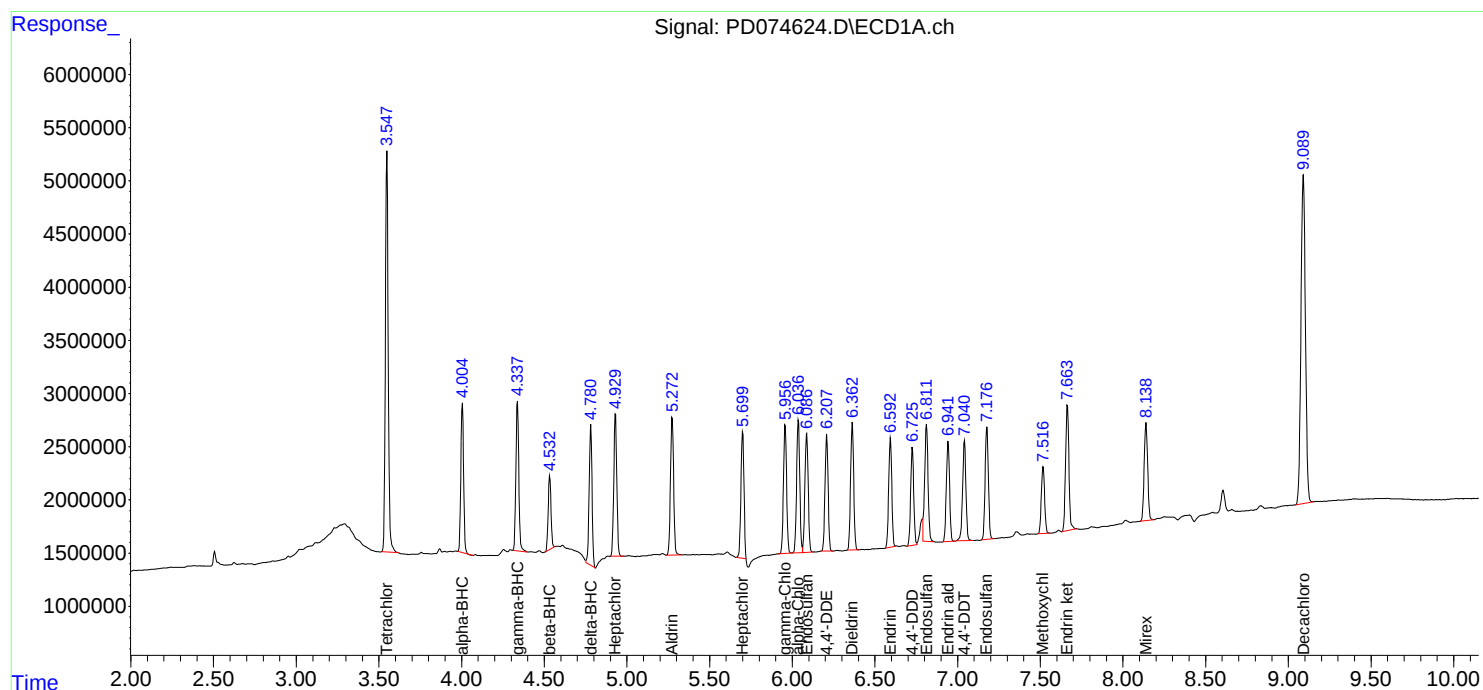
Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

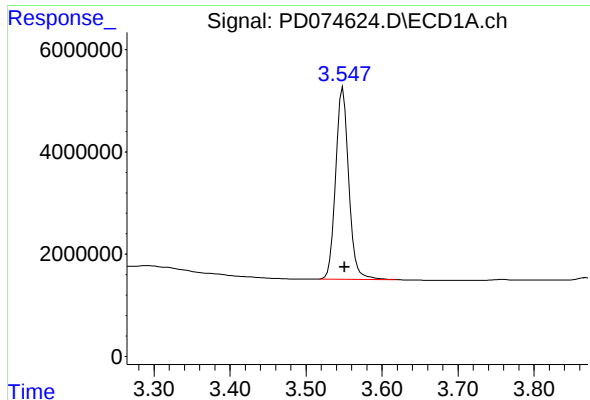
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 07 22:04:51 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD031423.M  
Quant Title : GC Extractables  
QLast Update : Wed Mar 15 12:23:31 2023  
Response via : Initial Calibration  
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Volume Inj. : 2 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





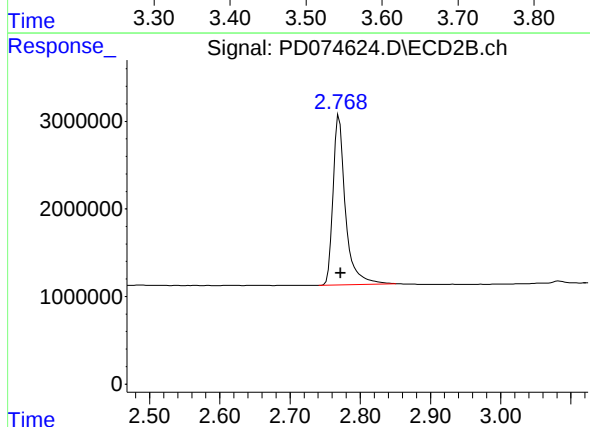
#1 Tetrachloro-m-xylene

R.T.: 3.549 min  
Delta R.T.: -0.002 min  
Response: 44452924  
Conc: 19.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

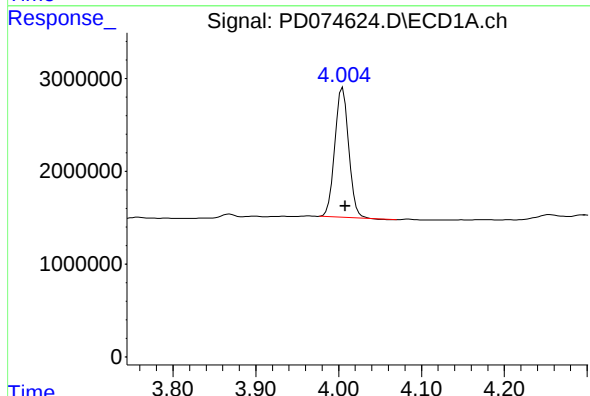
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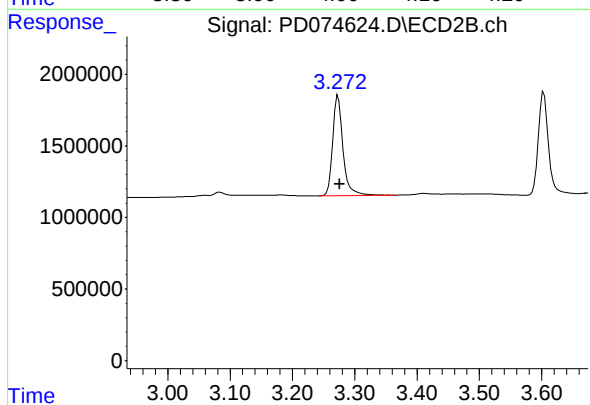
#1 Tetrachloro-m-xylene

R.T.: 2.770 min  
Delta R.T.: -0.002 min  
Response: 23766297  
Conc: 19.53 ng/ml



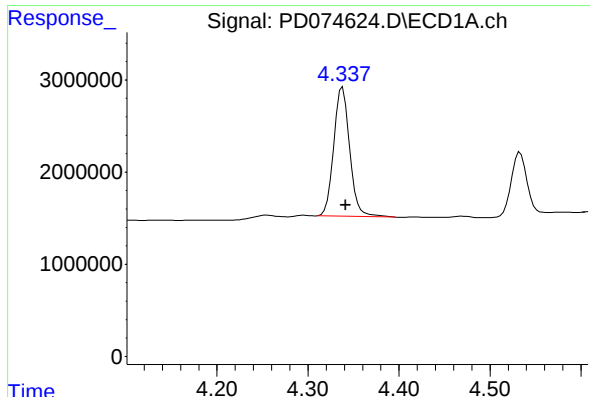
#2 alpha-BHC

R.T.: 4.005 min  
Delta R.T.: -0.003 min  
Response: 16306627  
Conc: 4.20 ng/ml



#2 alpha-BHC

R.T.: 3.273 min  
Delta R.T.: -0.003 min  
Response: 8080994  
Conc: 4.35 ng/ml



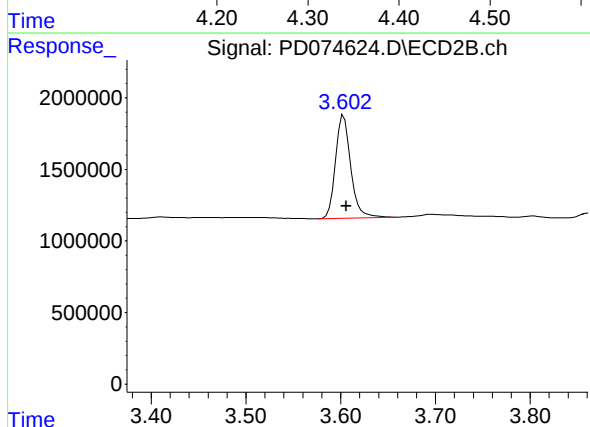
#3 gamma-BHC (Lindane)

R.T.: 4.338 min  
Delta R.T.: -0.003 min  
Response: 17013744  
Conc: 4.85 ng/ml

Instrument :  
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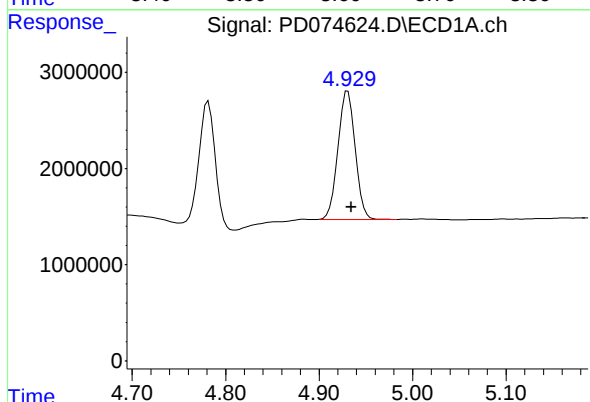
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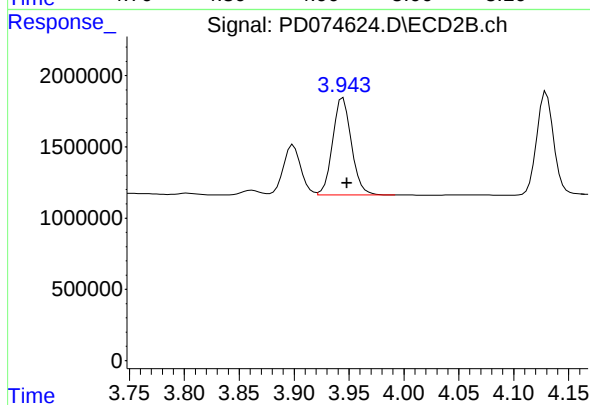
#3 gamma-BHC (Lindane)

R.T.: 3.603 min  
Delta R.T.: -0.002 min  
Response: 7999313  
Conc: 4.67 ng/ml



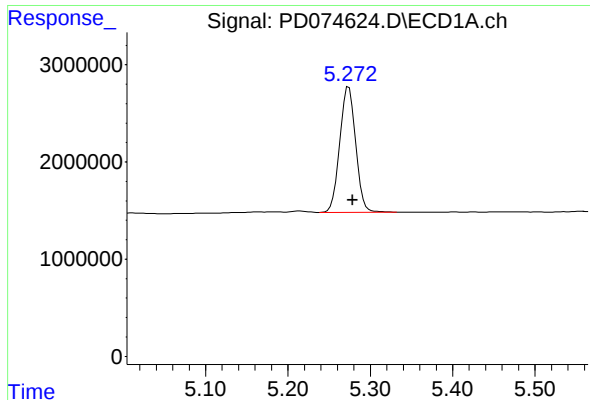
#4 Heptachlor

R.T.: 4.931 min  
Delta R.T.: -0.004 min  
Response: 17100683  
Conc: 4.99 ng/ml



#4 Heptachlor

R.T.: 3.945 min  
Delta R.T.: -0.004 min  
Response: 8090527  
Conc: 4.74 ng/ml



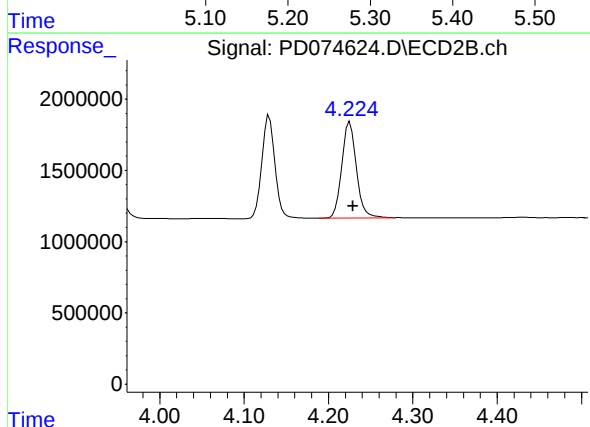
#5 Aldrin

R.T.: 5.274 min  
Delta R.T.: -0.005 min  
Response: 17378562  
Conc: 5.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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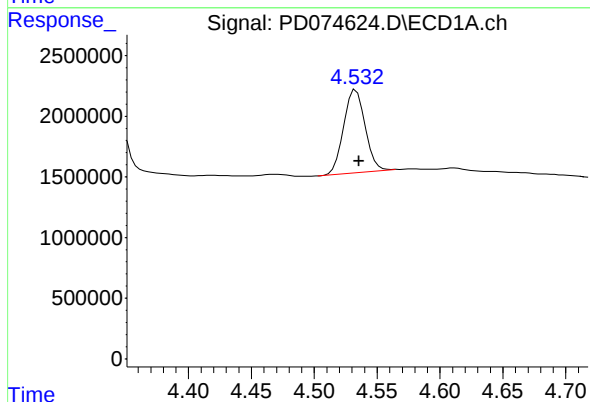
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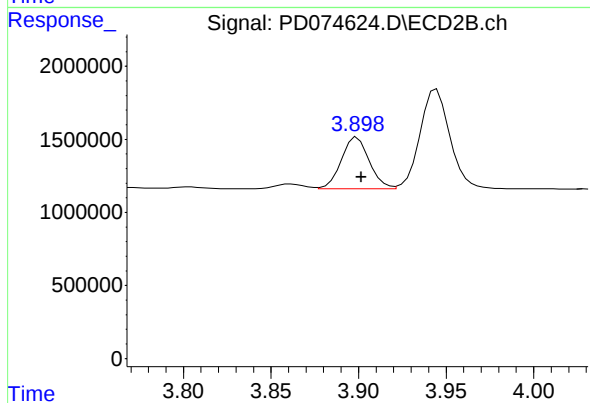
#5 Aldrin

R.T.: 4.225 min  
Delta R.T.: -0.004 min  
Response: 8102928  
Conc: 4.80 ng/ml



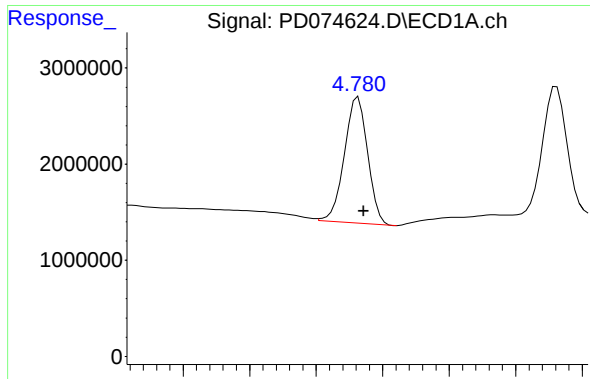
#6 beta-BHC

R.T.: 4.533 min  
Delta R.T.: -0.003 min  
Response: 8090271  
Conc: 5.47 ng/ml



#6 beta-BHC

R.T.: 3.899 min  
Delta R.T.: -0.002 min  
Response: 3912184  
Conc: 5.18 ng/ml



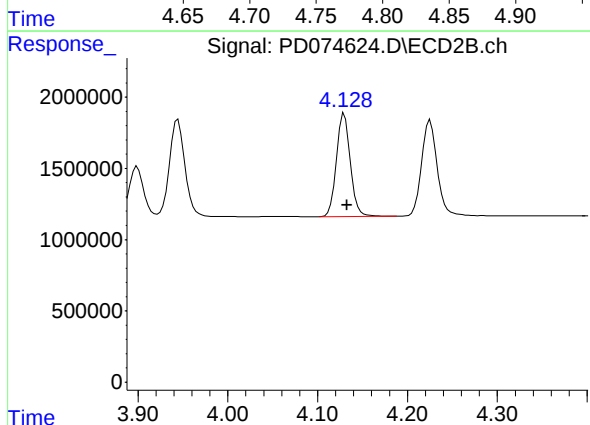
#7 delta-BHC

R.T.: 4.782 min  
Delta R.T.: -0.004 min  
Response: 16007000  
Conc: 5.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

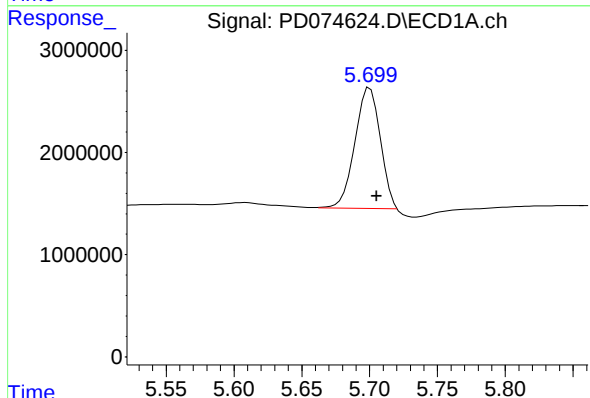
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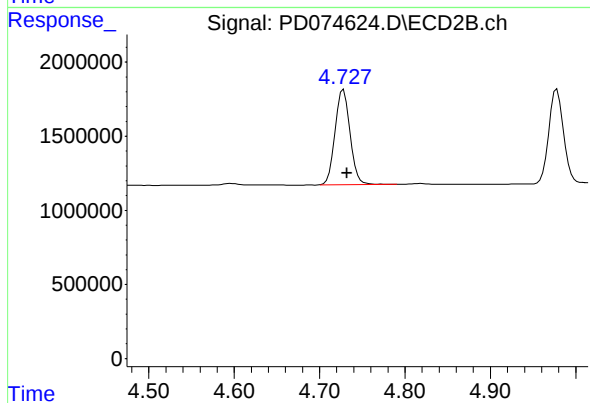
#7 delta-BHC

R.T.: 4.130 min  
Delta R.T.: -0.003 min  
Response: 7818006  
Conc: 4.59 ng/ml



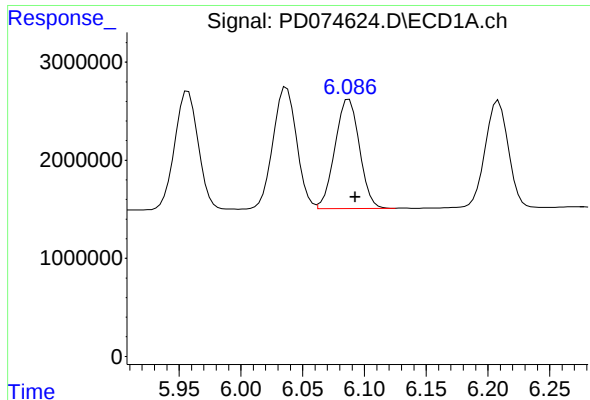
#8 Heptachlor epoxide

R.T.: 5.699 min  
Delta R.T.: -0.006 min  
Response: 15371986  
Conc: 5.47 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.728 min  
Delta R.T.: -0.004 min  
Response: 7807929  
Conc: 5.09 ng/ml



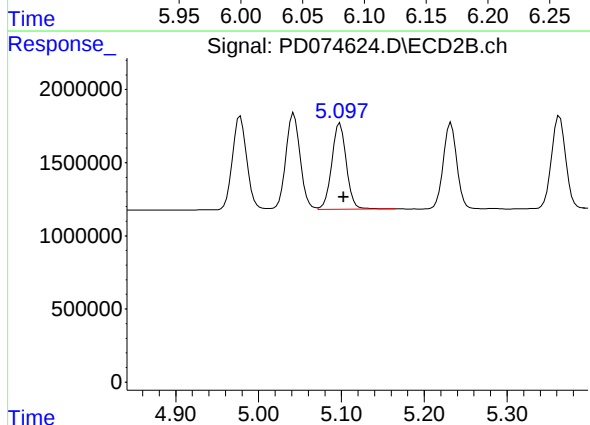
#9 Endosulfan I

R.T.: 6.088 min  
Delta R.T.: -0.005 min  
Response: 15362005  
Conc: 5.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

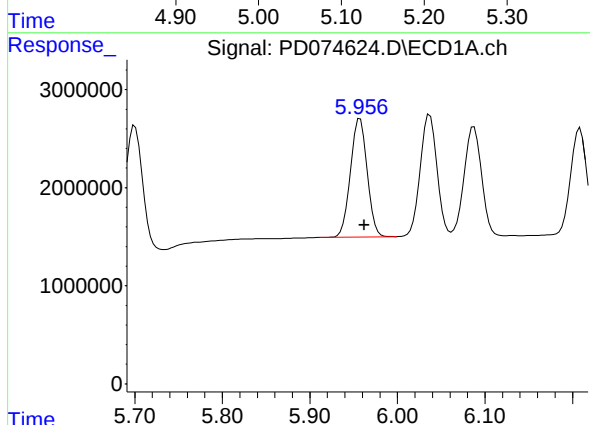
Manual Integrations  
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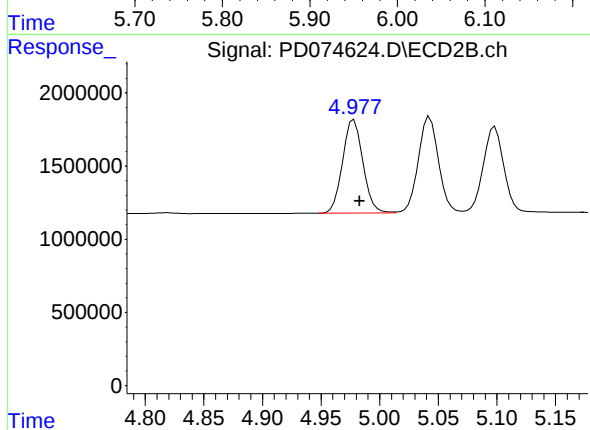
#9 Endosulfan I

R.T.: 5.098 min  
Delta R.T.: -0.005 min  
Response: 7181533  
Conc: 4.99 ng/ml



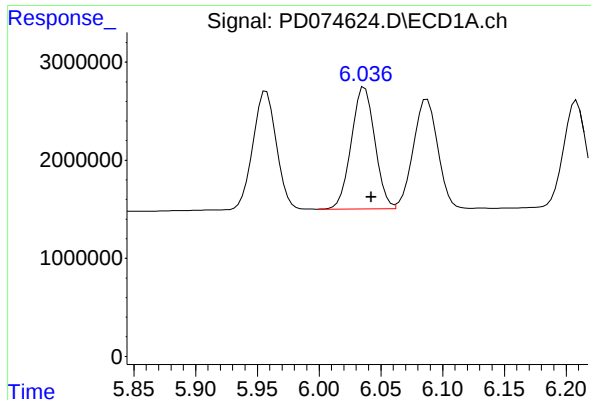
#10 gamma-Chlordane

R.T.: 5.957 min  
Delta R.T.: -0.005 min  
Response: 16011946  
Conc: 5.34 ng/ml



#10 gamma-Chlordane

R.T.: 4.978 min  
Delta R.T.: -0.005 min  
Response: 7732215  
Conc: 4.98 ng/ml



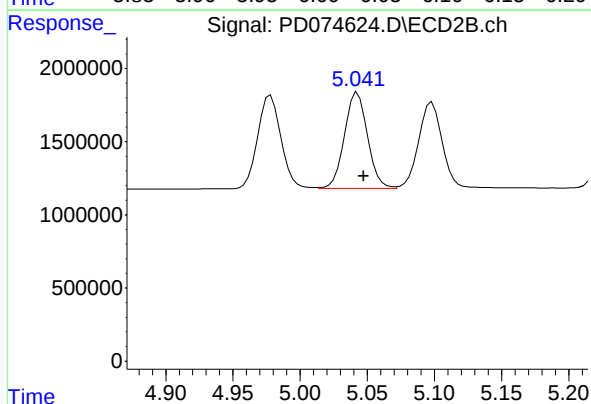
#11 alpha-Chlordane

R.T.: 6.037 min  
Delta R.T.: -0.005 min  
Response: 16520099  
Conc: 5.48 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

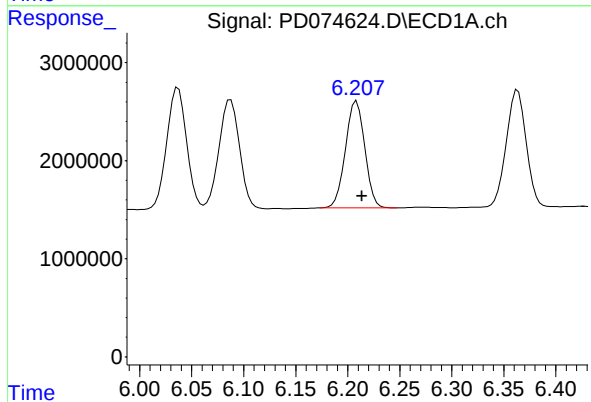
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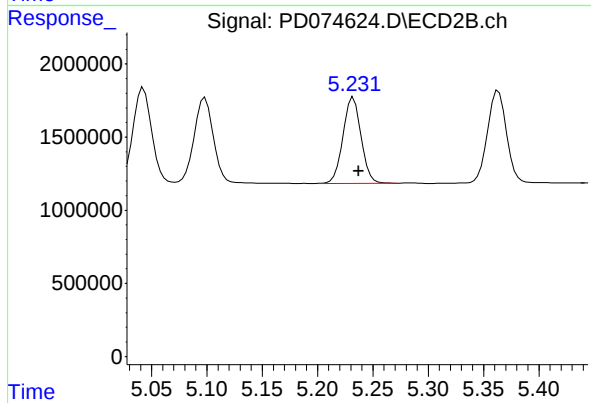
#11 alpha-Chlordane

R.T.: 5.043 min  
Delta R.T.: -0.005 min  
Response: 7875328  
Conc: 5.11 ng/ml



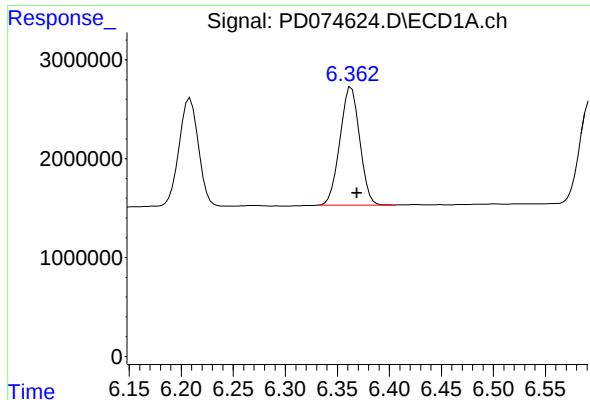
#12 4,4'-DDE

R.T.: 6.209 min  
Delta R.T.: -0.005 min  
Response: 14105811  
Conc: 5.12 ng/ml



#12 4,4'-DDE

R.T.: 5.232 min  
Delta R.T.: -0.005 min  
Response: 6675640  
Conc: 4.73 ng/ml



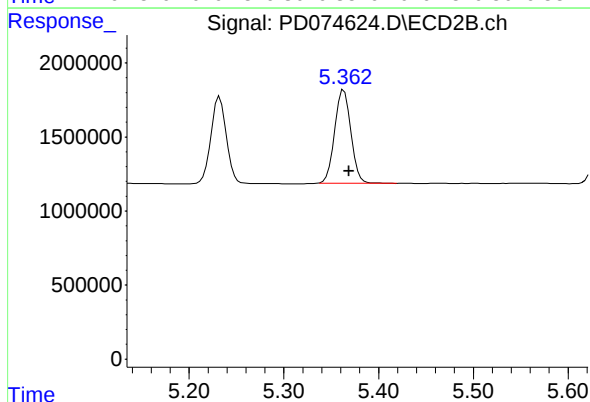
#13 Dieldrin

R.T.: 6.363 min  
Delta R.T.: -0.005 min  
Response: 15817416  
Conc: 5.36 ng/ml

Instrument :  
ECD\_D  
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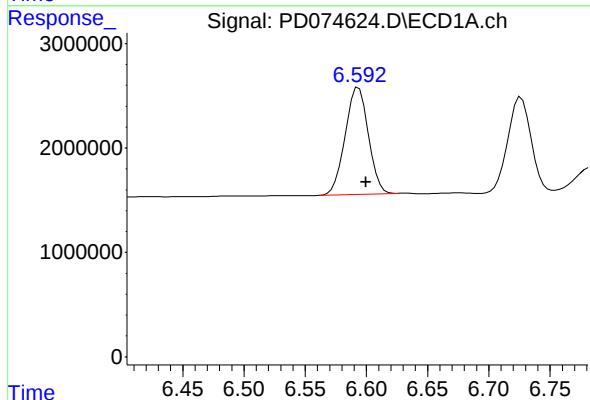
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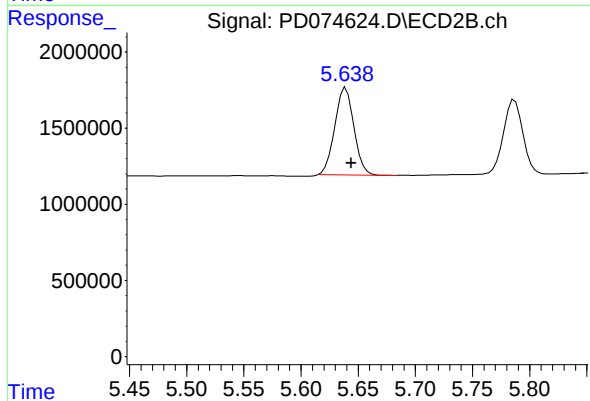
#13 Dieldrin

R.T.: 5.363 min  
Delta R.T.: -0.005 min  
Response: 7492752  
Conc: 4.98 ng/ml



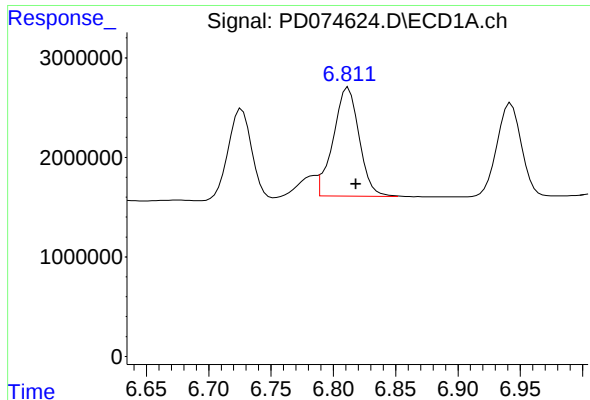
#14 Endrin

R.T.: 6.594 min  
Delta R.T.: -0.006 min  
Response: 13496627  
Conc: 5.43 ng/ml



#14 Endrin

R.T.: 5.639 min  
Delta R.T.: -0.005 min  
Response: 6662215  
Conc: 5.10 ng/ml



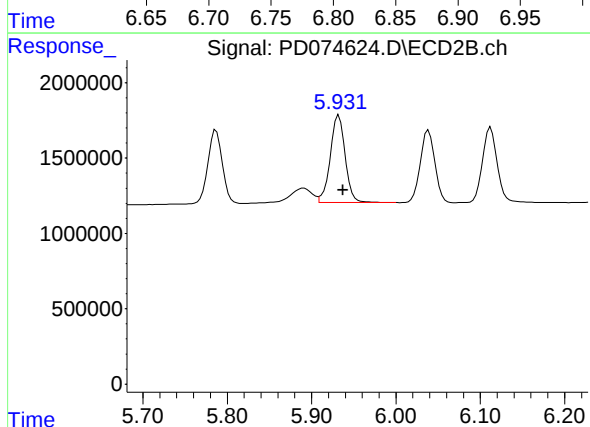
#15 Endosulfan II

R.T.: 6.811 min  
Delta R.T.: -0.007 min  
Response: 15626443  
Conc: 6.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

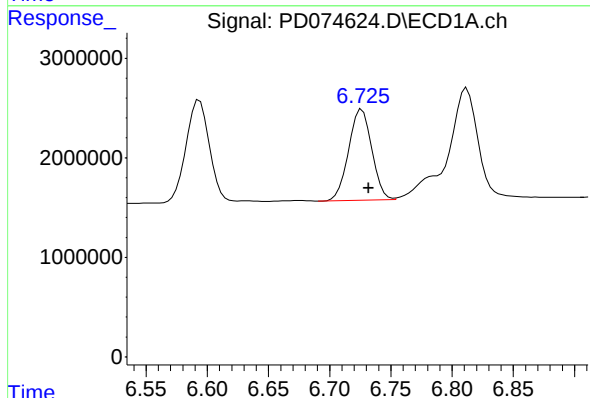
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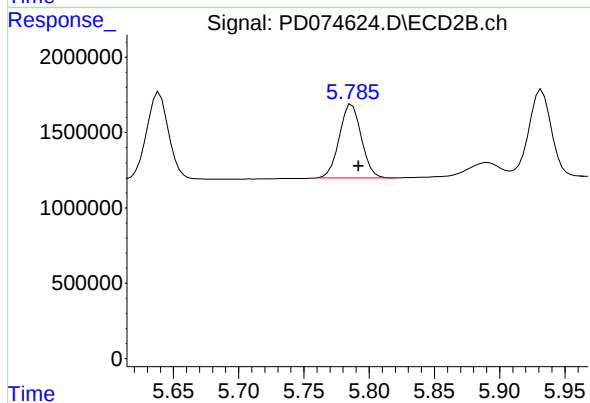
#15 Endosulfan II

R.T.: 5.932 min  
Delta R.T.: -0.005 min  
Response: 7079182  
Conc: 5.63 ng/ml



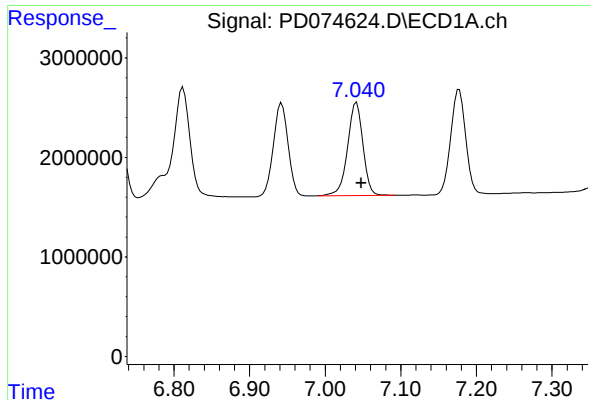
#16 4,4'-DDD

R.T.: 6.726 min  
Delta R.T.: -0.005 min  
Response: 12046814  
Conc: 5.37 ng/ml



#16 4,4'-DDD

R.T.: 5.787 min  
Delta R.T.: -0.005 min  
Response: 5707028  
Conc: 4.89 ng/ml



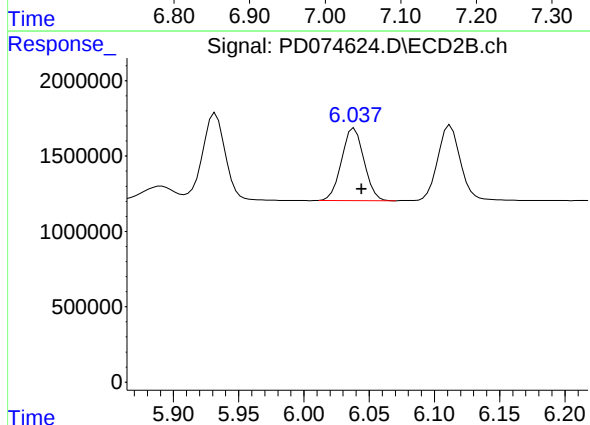
#17 4,4'-DDT

R.T.: 7.042 min  
Delta R.T.: -0.006 min  
Response: 13264902  
Conc: 5.20 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

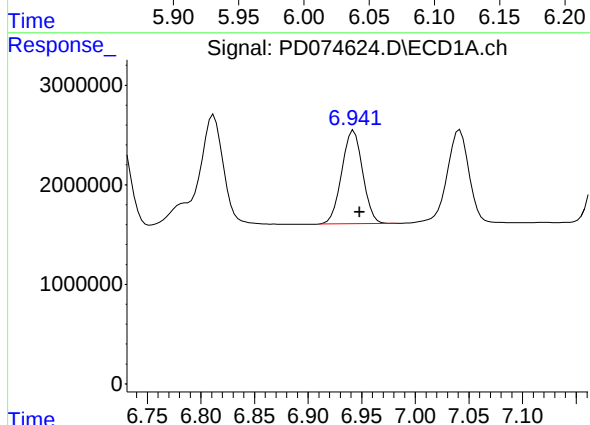
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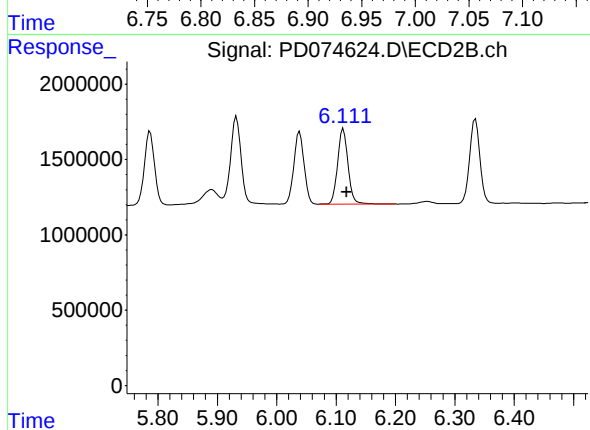
#17 4,4'-DDT

R.T.: 6.039 min  
Delta R.T.: -0.006 min  
Response: 5741040  
Conc: 4.68 ng/ml



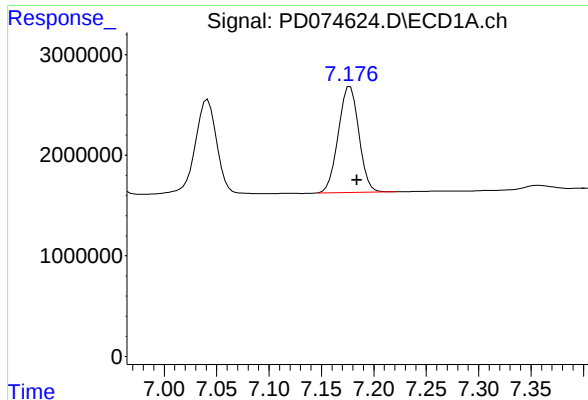
#18 Endrin aldehyde

R.T.: 6.943 min  
Delta R.T.: -0.006 min  
Response: 12727063  
Conc: 6.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.112 min  
Delta R.T.: -0.006 min  
Response: 6103686  
Conc: 6.01 ng/ml



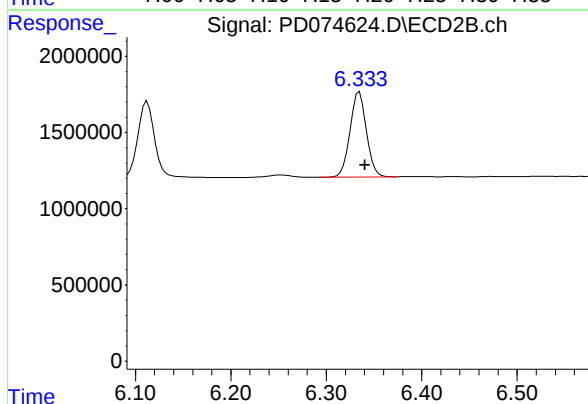
#19 Endosulfan Sulfate

R.T.: 7.177 min  
Delta R.T.: -0.006 min  
Response: 14410111  
Conc: 5.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

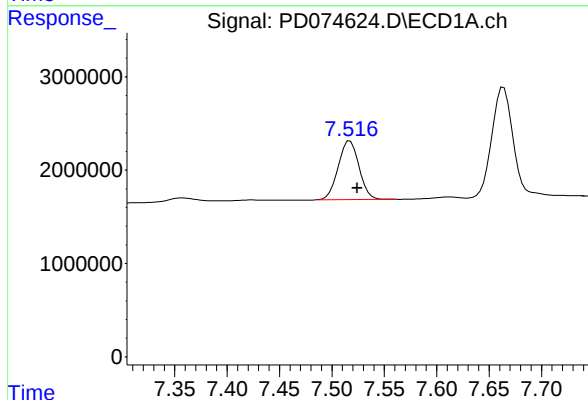
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/10/2023  
Supervised By :Ankita Jodhani 04/10/2023



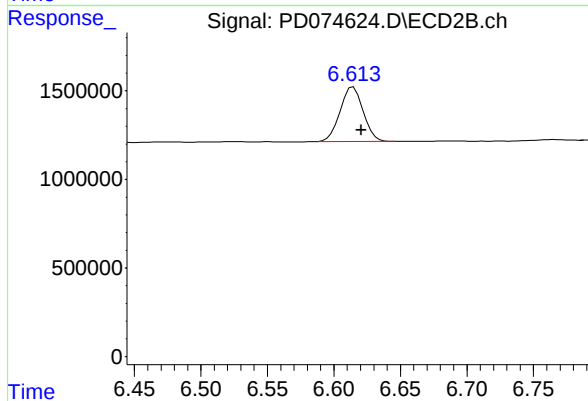
#19 Endosulfan Sulfate

R.T.: 6.335 min  
Delta R.T.: -0.006 min  
Response: 6723988  
Conc: 5.51 ng/ml



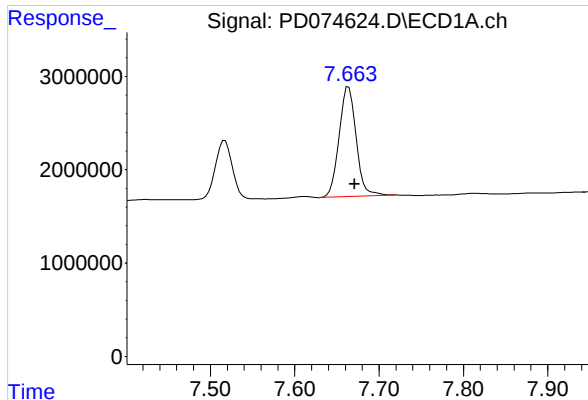
#20 Methoxychlor

R.T.: 7.517 min  
Delta R.T.: -0.007 min  
Response: 8717378  
Conc: 6.23 ng/ml



#20 Methoxychlor

R.T.: 6.615 min  
Delta R.T.: -0.006 min  
Response: 3724917  
Conc: 5.51 ng/ml



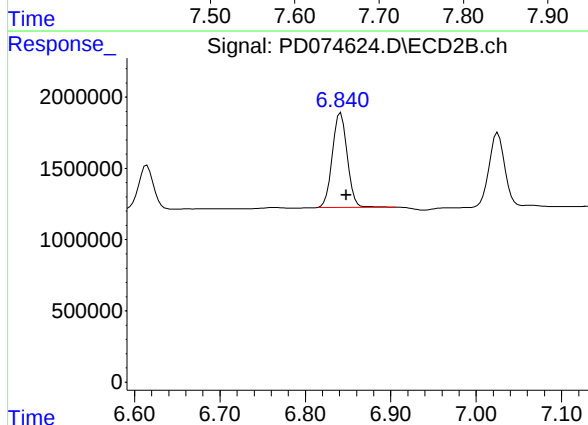
#21 Endrin ketone

R.T.: 7.664 min  
Delta R.T.: -0.007 min  
Response: 16551448  
Conc: 5.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

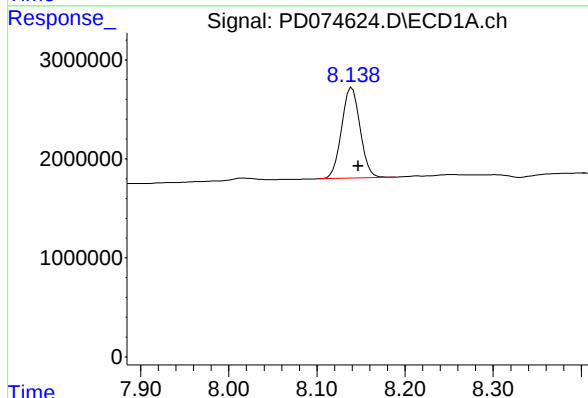
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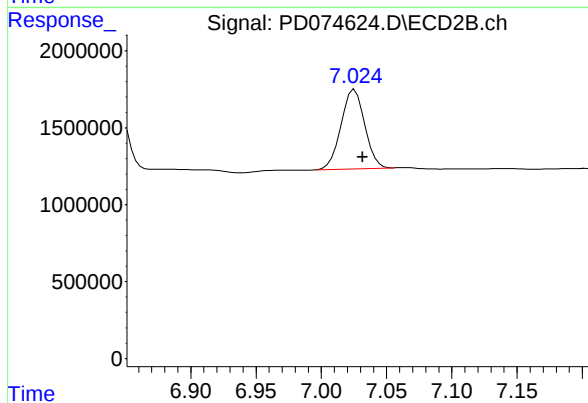
#21 Endrin ketone

R.T.: 6.842 min  
Delta R.T.: -0.006 min  
Response: 8052498  
Conc: 5.46 ng/ml



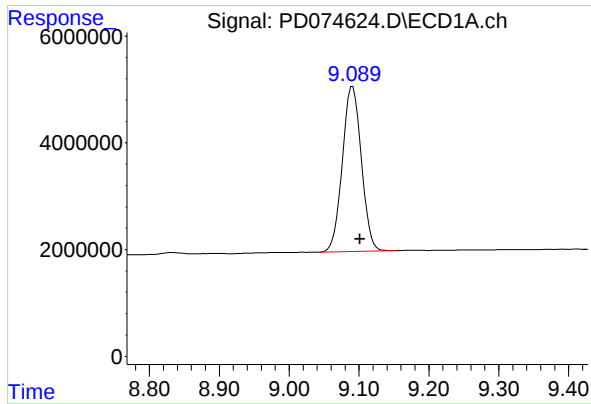
#22 Mirex

R.T.: 8.140 min  
Delta R.T.: -0.007 min  
Response: 13404379  
Conc: 6.31 ng/ml



#22 Mirex

R.T.: 7.026 min  
Delta R.T.: -0.006 min  
Response: 6514045  
Conc: 5.73 ng/ml



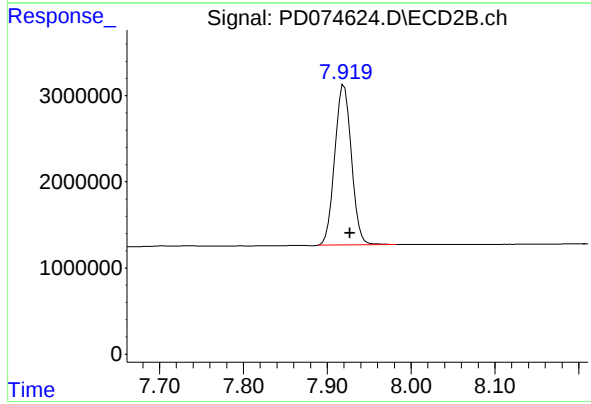
#28 Decachlorobiphenyl

R.T.: 9.091 min  
Delta R.T.: -0.011 min  
Response: 58376933  
Conc: 21.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

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#28 Decachlorobiphenyl

R.T.: 7.920 min  
Delta R.T.: -0.007 min  
Response: 25697317  
Conc: 20.94 ng/ml