

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL062425\  
 Data File : PL096164.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Jun 2025 17:01  
 Operator : AR\AJ  
 Sample : Q2126-01  
 Misc : PEST LOD 2.5PPB SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 LOD-MDL-SOIL-03-QT2-2025

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 06/25/2025  
 Supervised By :mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 25 04:27:43 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL062325.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jun 24 16:08:38 2025  
 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 x0.25µm

|                             | Compound        | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-----------------|--------|-------|----------|----------|--------|---------|
| -----                       |                 |        |       |          |          |        |         |
| System Monitoring Compounds |                 |        |       |          |          |        |         |
| 1)                          | SA Tetrachlo... | 3.569  | 2.880 | 56113227 | 71372686 | 16.301 | 16.267  |
| 28)                         | SA Decachlor... | 9.109  | 8.062 | 47438498 | 93611807 | 17.795 | 17.396  |
| Target Compounds            |                 |        |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 4.020  | 3.388 | 10827885 | 12471286 | 2.021  | 1.884   |
| 3)                          | MA gamma-BHC... | 4.351  | 3.722 | 10644448 | 12246055 | 2.126  | 1.946   |
| 4)                          | MA Heptachlor   | 4.947  | 4.074 | 10178016 | 13195368 | 2.217m | 2.092   |
| 5)                          | MB Aldrin       | 5.291  | 4.358 | 10822753 | 11698179 | 2.276  | 1.978   |
| 6)                          | B beta-BHC      | 4.540  | 4.016 | 4992226  | 6658221  | 2.334  | 2.415m  |
| 7)                          | B delta-BHC     | 4.787  | 4.252 | 10606398 | 12448636 | 2.172  | 1.980   |
| 8)                          | B Heptachlo...  | 5.711  | 4.860 | 13940431 | 12014287 | 3.179  | 2.093 # |
| 9)                          | A Endosulfan I  | 6.095  | 5.233 | 9706872  | 14793959 | 2.415  | 2.489   |
| 10)                         | B gamma-Chl...  | 5.966  | 5.111 | 9980939  | 14143784 | 2.295  | 2.348m  |
| 11)                         | B alpha-Chl...  | 6.047  | 5.176 | 10247964 | 14896521 | 2.372  | 2.416m  |
| 12)                         | B 4,4'-DDE      | 6.218  | 5.365 | 8873911  | 12887291 | 2.219  | 2.190   |
| 13)                         | MA Dieldrin     | 6.369  | 5.499 | 10096422 | 12860721 | 2.343  | 2.168   |
| 14)                         | MA Endrin       | 6.596  | 5.776 | 7938754  | 13867935 | 2.228  | 2.538   |
| 15)                         | B Endosulfa...  | 6.807  | 6.065 | 11754896 | 12461313 | 2.970m | 2.331m  |
| 16)                         | A 4,4'-DDD      | 6.728  | 5.919 | 7780394  | 12047331 | 2.365m | 2.503   |
| 17)                         | MA 4,4'-DDT     | 7.043  | 6.174 | 7069394  | 9449823  | 2.162m | 1.721   |
| 18)                         | B Endrin al...  | 6.939  | 6.244 | 6913380  | 12252911 | 2.637  | 2.931m  |
| 19)                         | B Endosulfa...  | 7.173  | 6.469 | 8292585  | 11350043 | 2.455  | 2.216   |
| 20)                         | A Methoxychlor  | 7.519f | 6.747 | 4152109  | 6227822  | 2.522m | 2.122   |
| 21)                         | B Endrin ke...  | 7.655  | 6.976 | 9001125  | 13239898 | 2.493  | 2.215   |
| 22)                         | Mirex           | 8.138  | 7.168 | 7339853  | 12062900 | 2.687  | 2.523m  |
| -----                       |                 |        |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL062425\  
Data File : PL096164.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Jun 2025 17:01  
Operator : AR\AJ  
Sample : Q2126-01  
Misc : PEST LOD 2.5PPB SOIL  
ALS Vial : 9 Sample Multiplier: 1

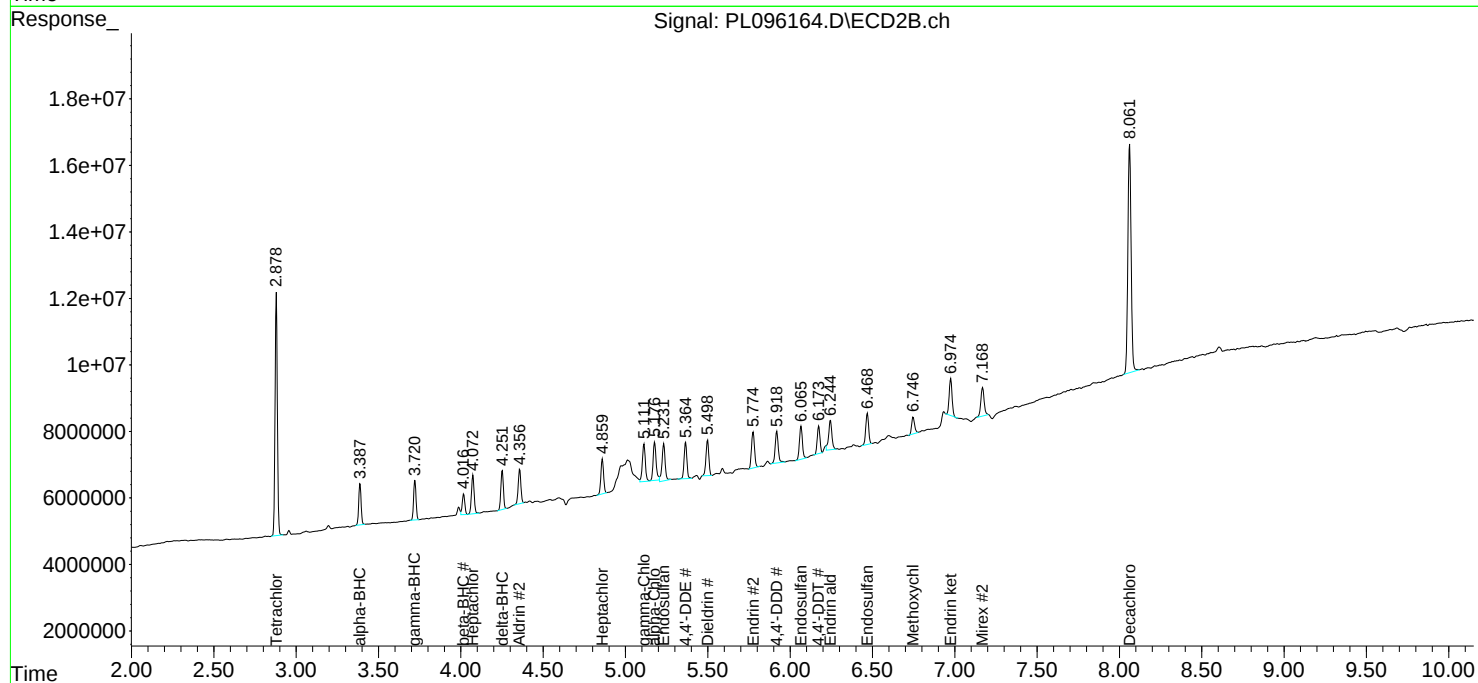
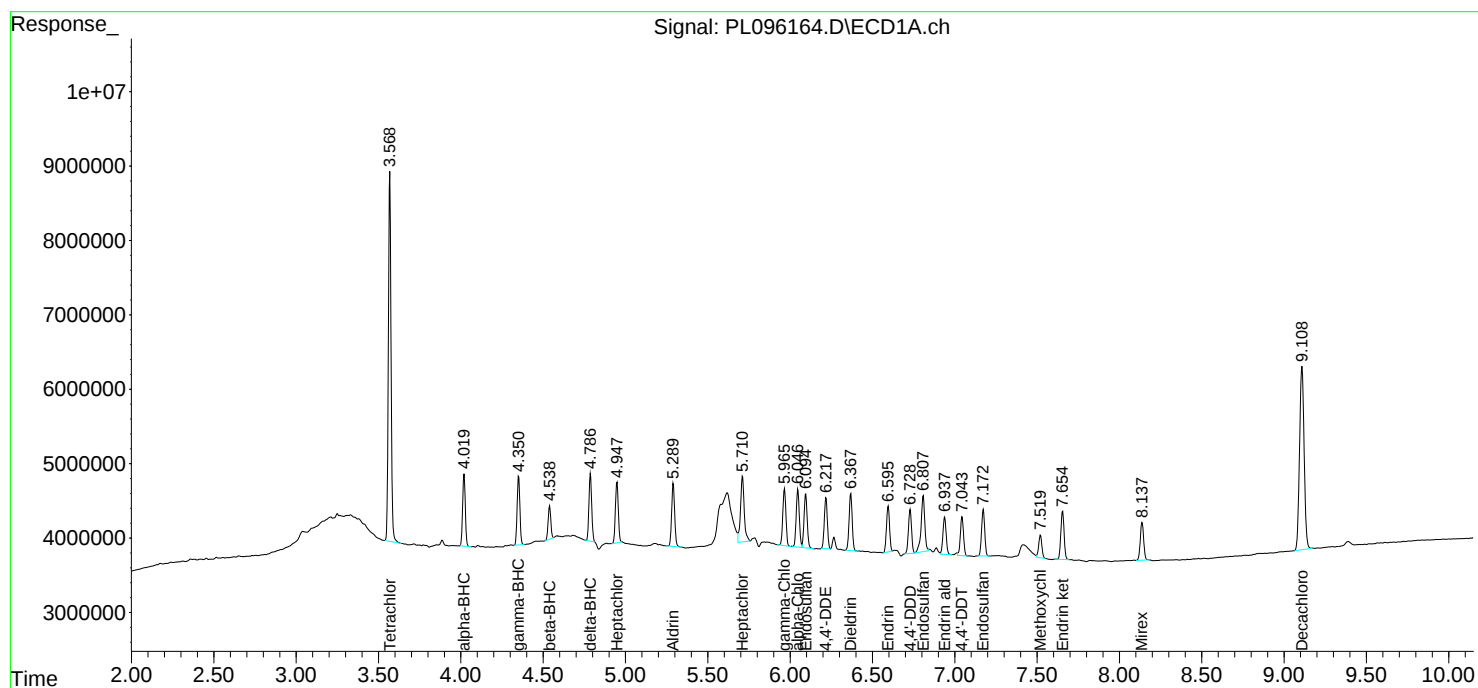
Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-03-QT2-2025

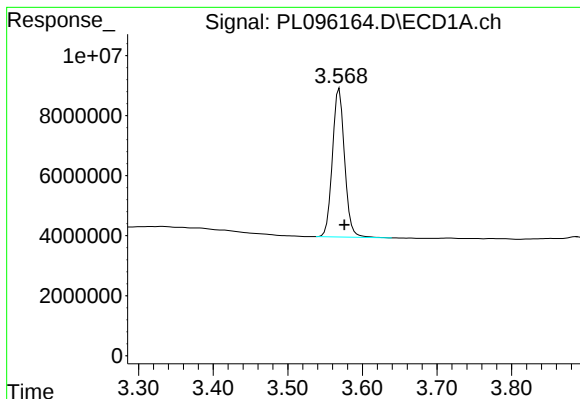
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 25 04:27:43 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL062325.M  
Quant Title : GC Extractables  
QLast Update : Tue Jun 24 16:08:38 2025  
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 x0.25µm





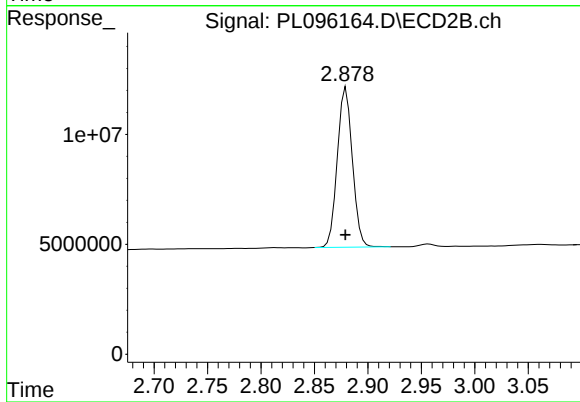
#1 Tetrachloro-m-xylene

R.T.: 3.569 min  
Delta R.T.: -0.007 min  
Response: 56113227  
Conc: 16.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-03-QT2-2025

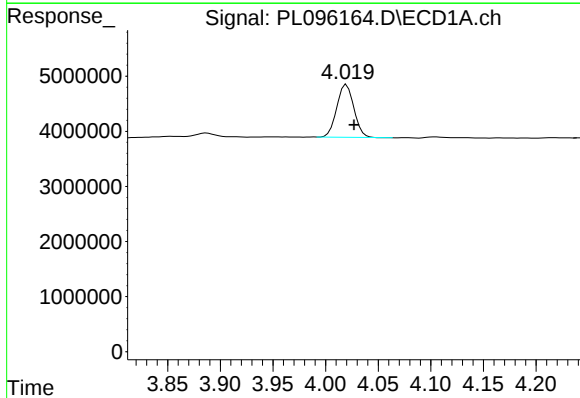
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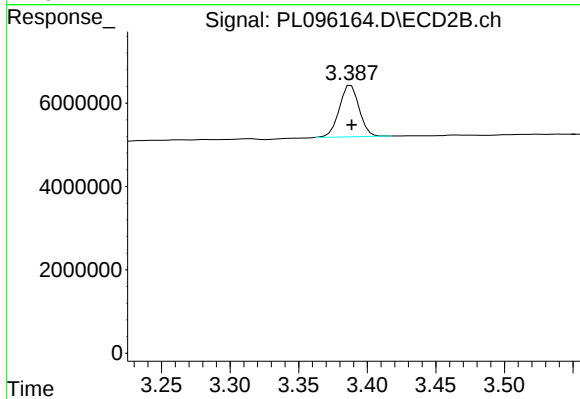
#1 Tetrachloro-m-xylene

R.T.: 2.880 min  
Delta R.T.: 0.000 min  
Response: 71372686  
Conc: 16.27 ng/ml



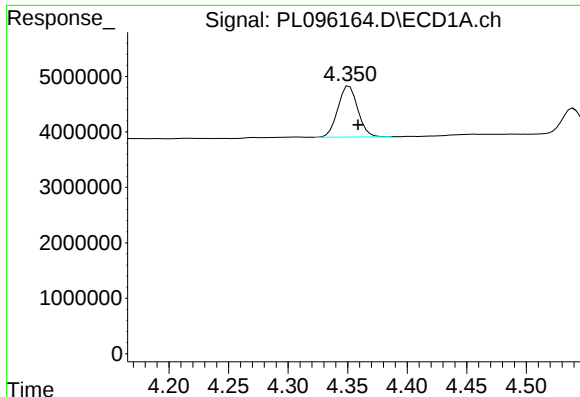
#2 alpha-BHC

R.T.: 4.020 min  
Delta R.T.: -0.007 min  
Response: 10827885  
Conc: 2.02 ng/ml



#2 alpha-BHC

R.T.: 3.388 min  
Delta R.T.: 0.000 min  
Response: 12471286  
Conc: 1.88 ng/ml



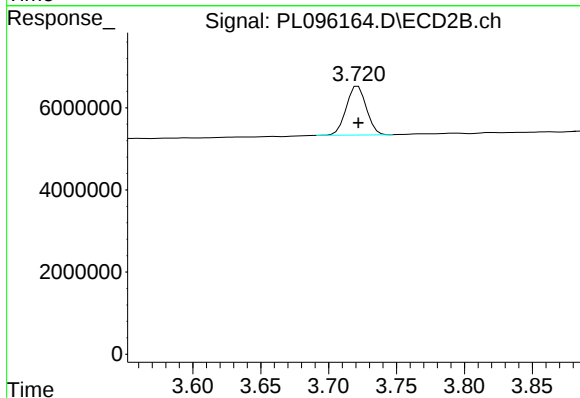
#3 gamma-BHC (Lindane)

R.T.: 4.351 min  
Delta R.T.: -0.007 min  
Response: 10644448  
Conc: 2.13 ng/ml

Instrument :  
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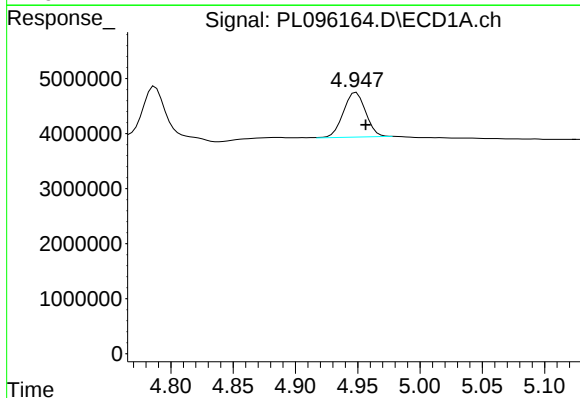
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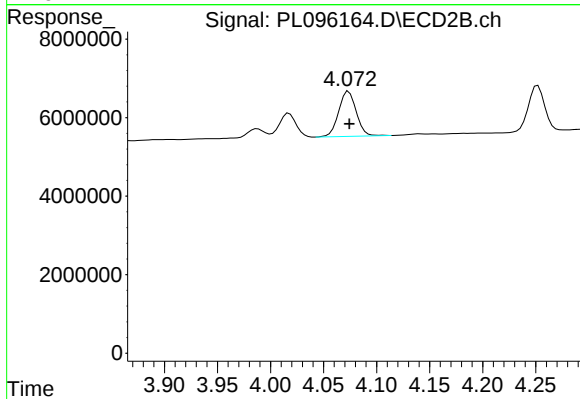
#3 gamma-BHC (Lindane)

R.T.: 3.722 min  
Delta R.T.: 0.000 min  
Response: 12246055  
Conc: 1.95 ng/ml



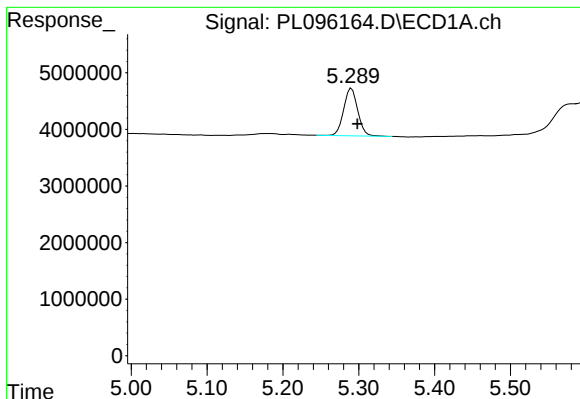
#4 Heptachlor

R.T.: 4.947 min  
Delta R.T.: -0.009 min  
Response: 10178016  
Conc: 2.22 ng/ml m



#4 Heptachlor

R.T.: 4.074 min  
Delta R.T.: 0.000 min  
Response: 13195368  
Conc: 2.09 ng/ml



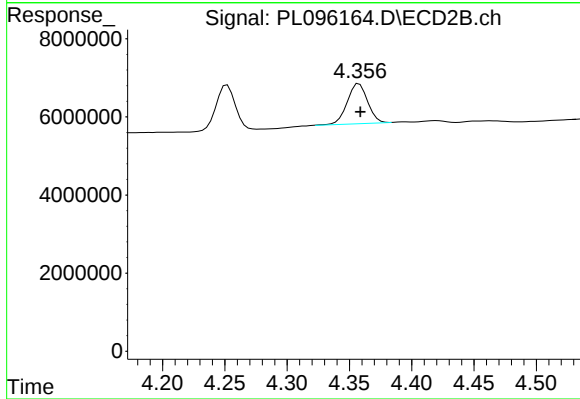
#5 Aldrin

R.T.: 5.291 min  
Delta R.T.: -0.008 min  
Response: 10822753  
Conc: 2.28 ng/ml

Instrument :  
ECD\_L  
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LOD-MDL-SOIL-03-QT2-2025

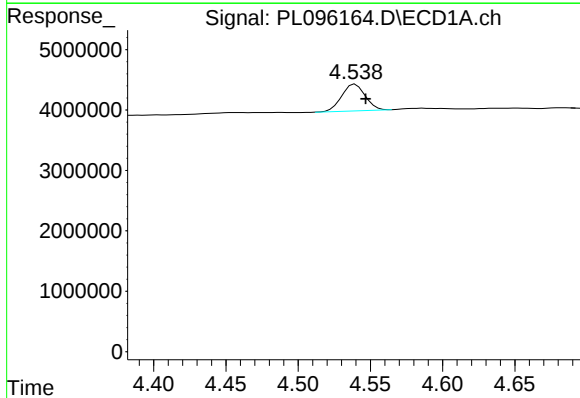
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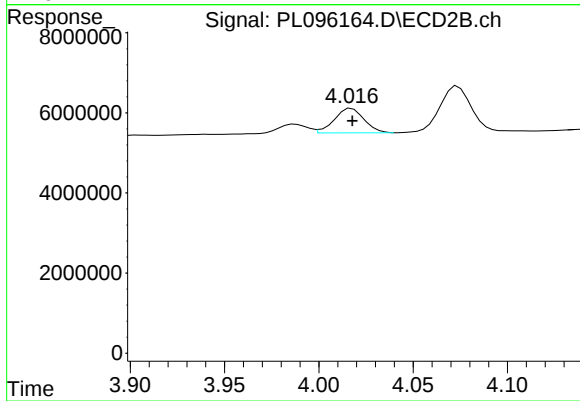
#5 Aldrin

R.T.: 4.358 min  
Delta R.T.: -0.001 min  
Response: 11698179  
Conc: 1.98 ng/ml



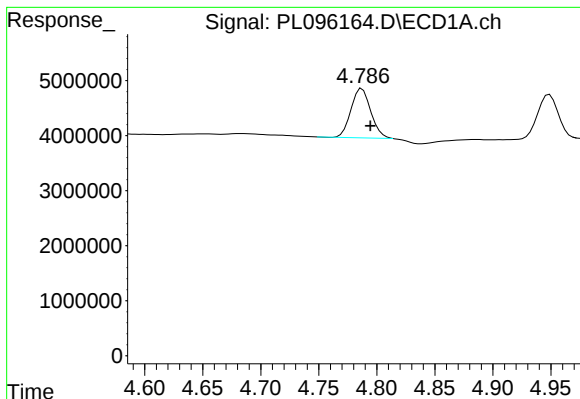
#6 beta-BHC

R.T.: 4.540 min  
Delta R.T.: -0.007 min  
Response: 4992226  
Conc: 2.33 ng/ml



#6 beta-BHC

R.T.: 4.016 min  
Delta R.T.: -0.002 min  
Response: 6658221  
Conc: 2.41 ng/ml m



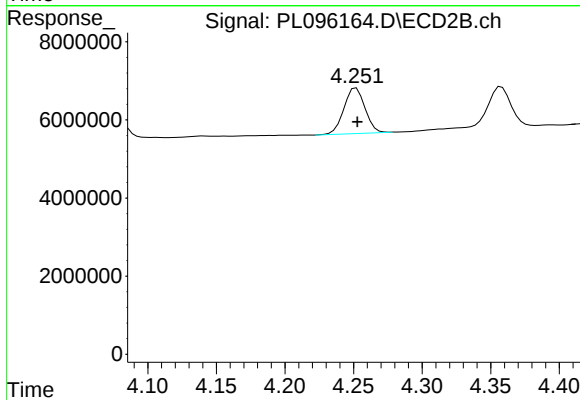
#7 delta-BHC

R.T.: 4.787 min  
Delta R.T.: -0.007 min  
Response: 10606398  
Conc: 2.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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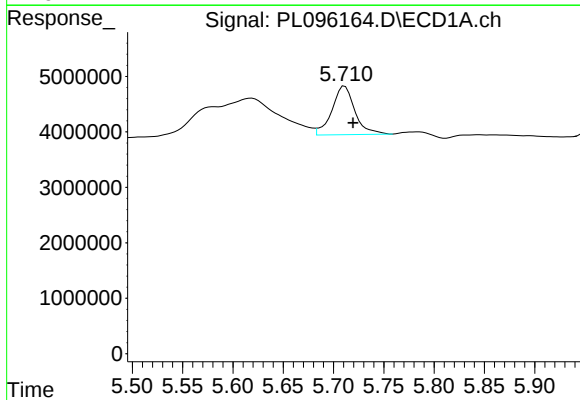
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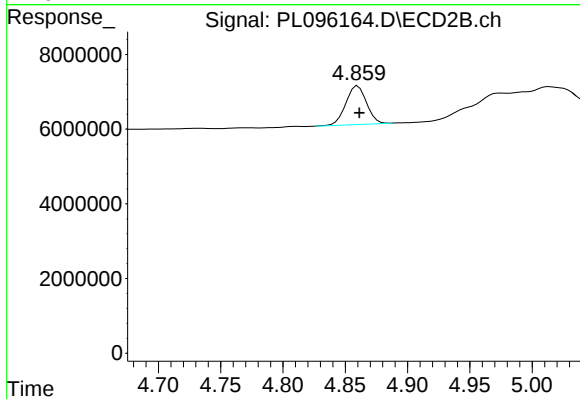
#7 delta-BHC

R.T.: 4.252 min  
Delta R.T.: 0.000 min  
Response: 12448636  
Conc: 1.98 ng/ml



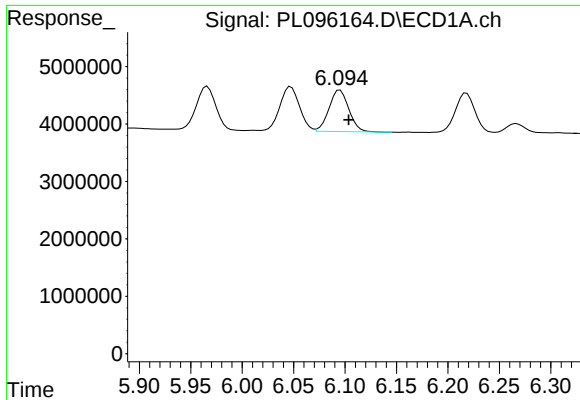
#8 Heptachlor epoxide

R.T.: 5.711 min  
Delta R.T.: -0.008 min  
Response: 13940431  
Conc: 3.18 ng/ml



#8 Heptachlor epoxide

R.T.: 4.860 min  
Delta R.T.: -0.001 min  
Response: 12014287  
Conc: 2.09 ng/ml



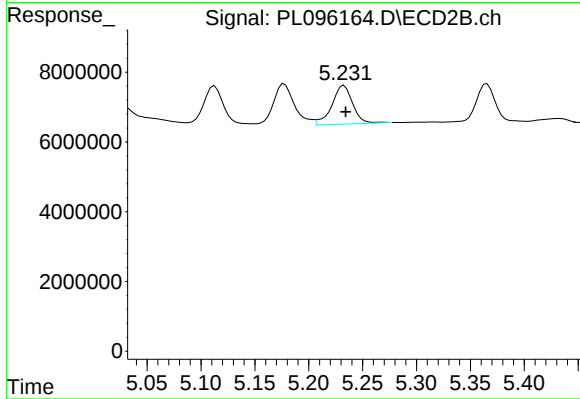
#9 Endosulfan I

R.T.: 6.095 min  
Delta R.T.: -0.008 min  
Response: 9706872  
Conc: 2.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-03-QT2-2025

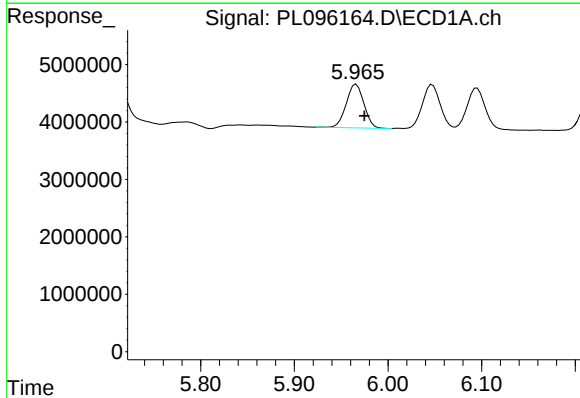
Manual Integrations  
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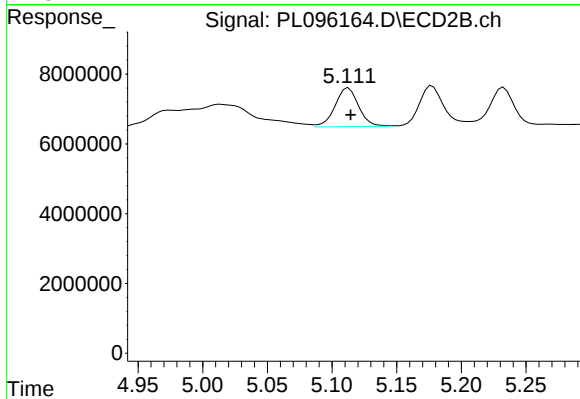
#9 Endosulfan I

R.T.: 5.233 min  
Delta R.T.: -0.002 min  
Response: 14793959  
Conc: 2.49 ng/ml



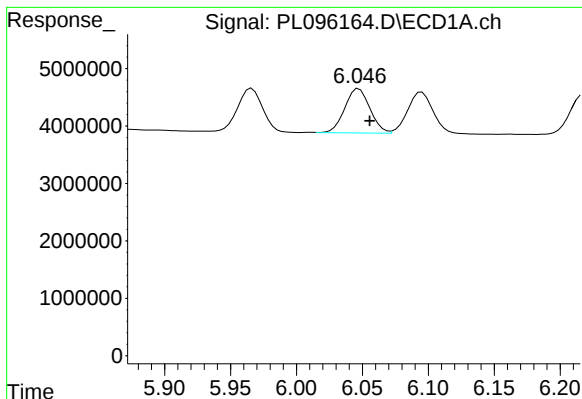
#10 gamma-Chlordane

R.T.: 5.966 min  
Delta R.T.: -0.008 min  
Response: 9980939  
Conc: 2.29 ng/ml



#10 gamma-Chlordane

R.T.: 5.111 min  
Delta R.T.: -0.003 min  
Response: 14143784  
Conc: 2.35 ng/ml m



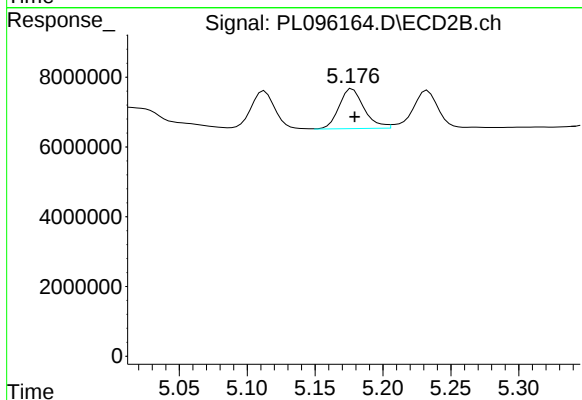
#11 alpha-Chlordane

R.T.: 6.047 min  
Delta R.T.: -0.008 min  
Response: 10247964  
Conc: 2.37 ng/ml

Instrument :  
ECD\_L  
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LOD-MDL-SOIL-03-QT2-2025

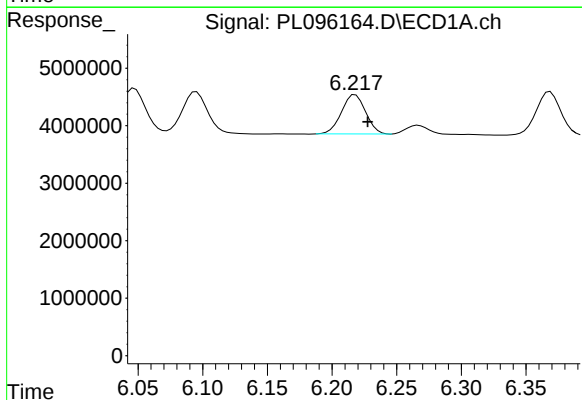
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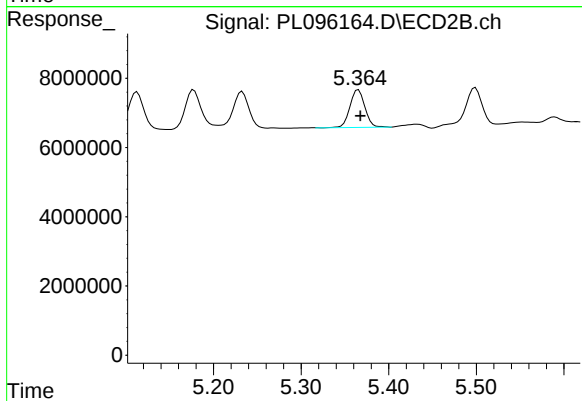
#11 alpha-Chlordane

R.T.: 5.176 min  
Delta R.T.: -0.003 min  
Response: 14896521  
Conc: 2.42 ng/ml m



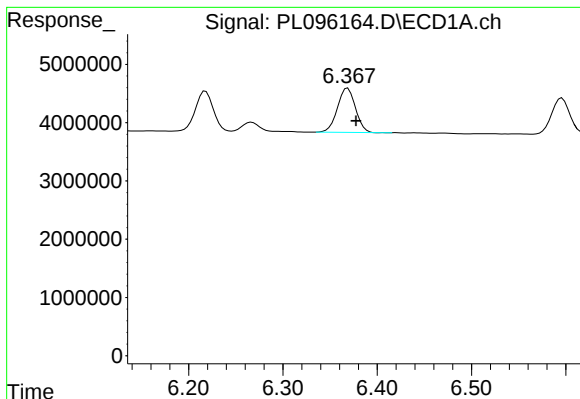
#12 4,4'-DDE

R.T.: 6.218 min  
Delta R.T.: -0.010 min  
Response: 8873911  
Conc: 2.22 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min  
Delta R.T.: -0.002 min  
Response: 12887291  
Conc: 2.19 ng/ml



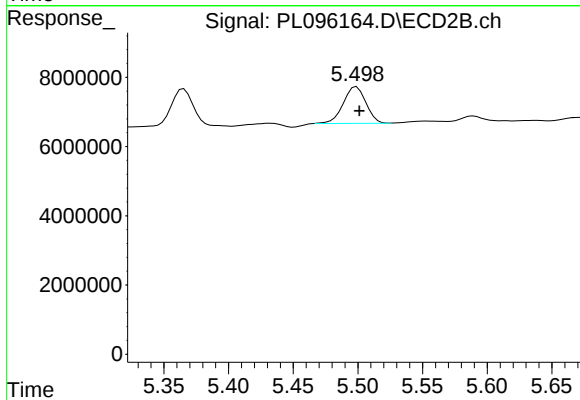
#13 Dieldrin

R.T.: 6.369 min  
Delta R.T.: -0.009 min  
Response: 10096422  
Conc: 2.34 ng/ml

Instrument :  
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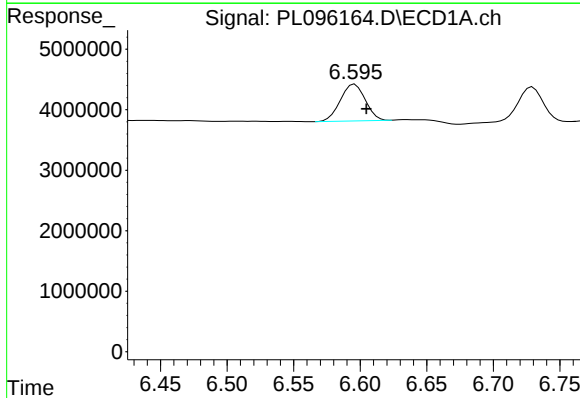
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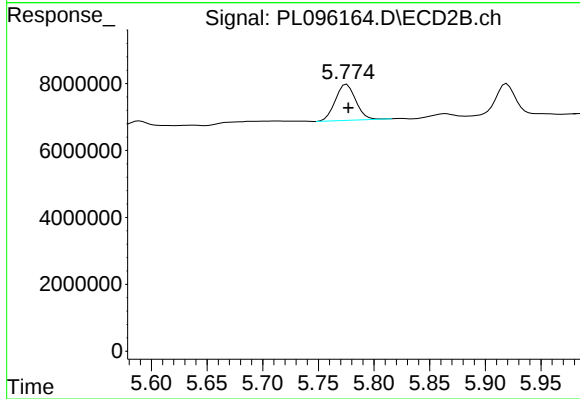
#13 Dieldrin

R.T.: 5.499 min  
Delta R.T.: -0.002 min  
Response: 12860721  
Conc: 2.17 ng/ml



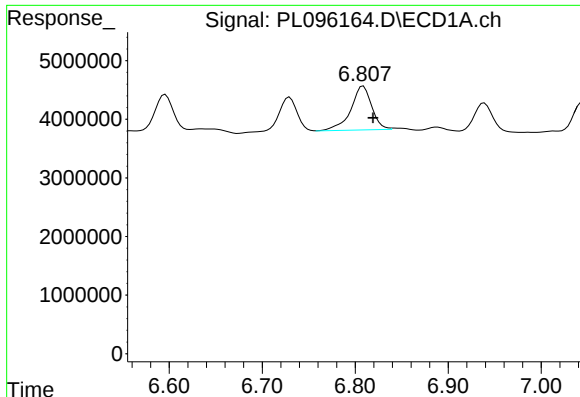
#14 Endrin

R.T.: 6.596 min  
Delta R.T.: -0.009 min  
Response: 7938754  
Conc: 2.23 ng/ml



#14 Endrin

R.T.: 5.776 min  
Delta R.T.: -0.001 min  
Response: 13867935  
Conc: 2.54 ng/ml



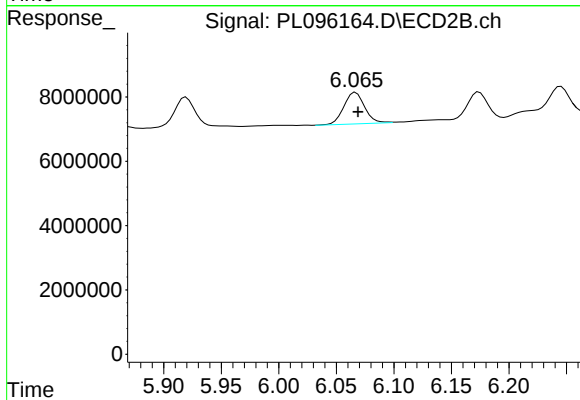
#15 Endosulfan II

R.T.: 6.807 min  
Delta R.T.: -0.012 min  
Response: 11754896  
Conc: 2.97 ng/ml

Instrument :  
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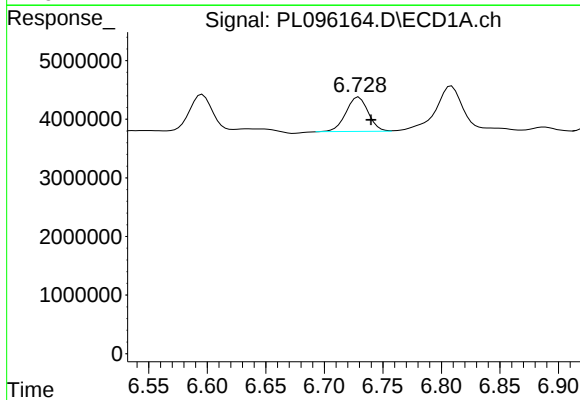
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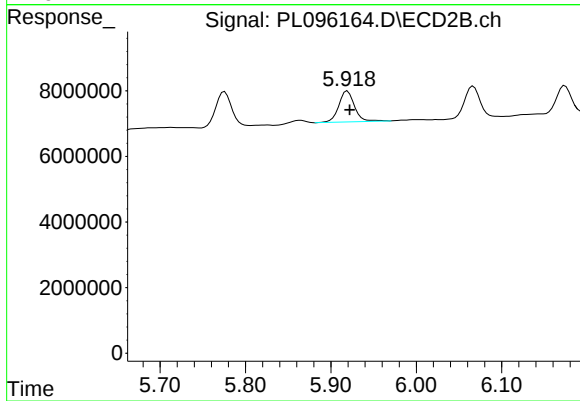
#15 Endosulfan II

R.T.: 6.065 min  
Delta R.T.: -0.004 min  
Response: 12461313  
Conc: 2.33 ng/ml m



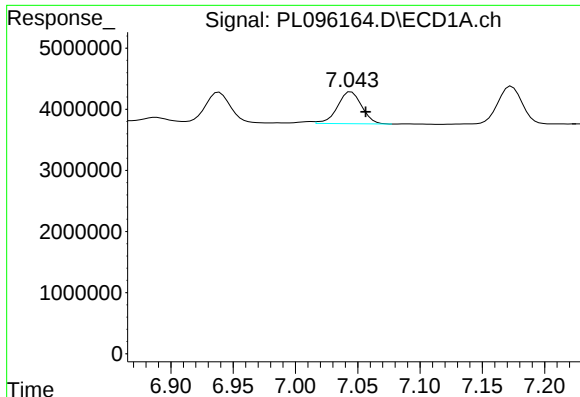
#16 4,4'-DDD

R.T.: 6.728 min  
Delta R.T.: -0.012 min  
Response: 7780394  
Conc: 2.36 ng/ml m



#16 4,4'-DDD

R.T.: 5.919 min  
Delta R.T.: -0.003 min  
Response: 12047331  
Conc: 2.50 ng/ml



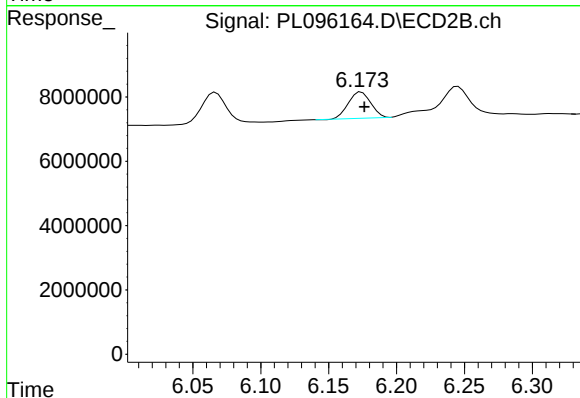
#17 4,4'-DDT

R.T.: 7.043 min  
Delta R.T.: -0.013 min  
Response: 7069394  
Conc: 2.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-03-QT2-2025

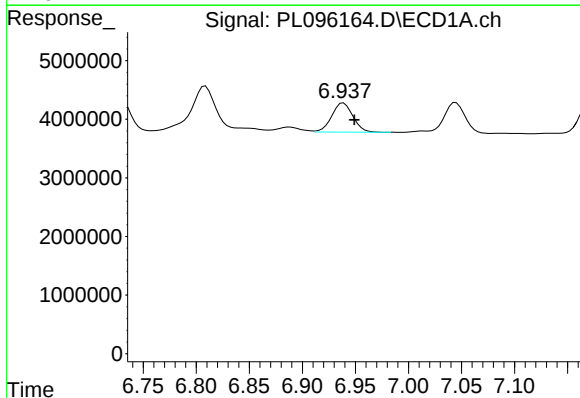
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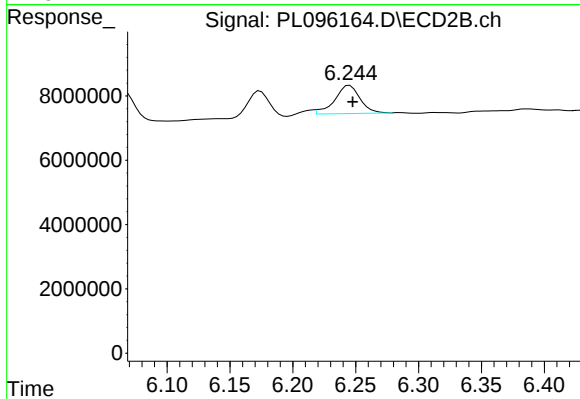
#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: -0.002 min  
Response: 9449823  
Conc: 1.72 ng/ml



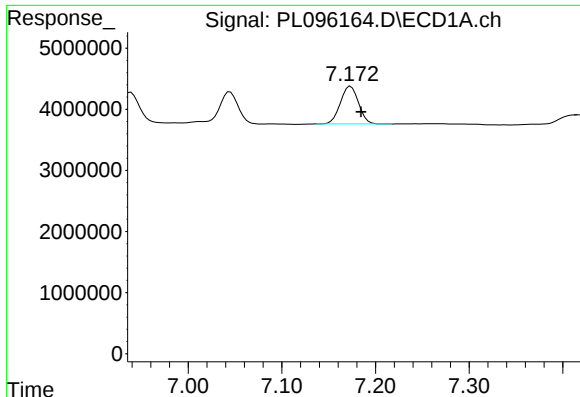
#18 Endrin aldehyde

R.T.: 6.939 min  
Delta R.T.: -0.010 min  
Response: 6913380  
Conc: 2.64 ng/ml



#18 Endrin aldehyde

R.T.: 6.244 min  
Delta R.T.: -0.004 min  
Response: 12252911  
Conc: 2.93 ng/ml m



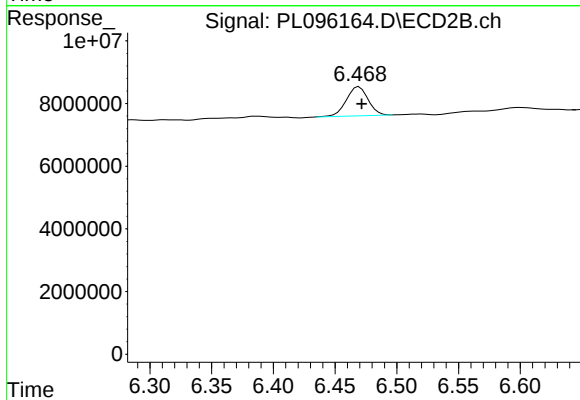
#19 Endosulfan Sulfate

R.T.: 7.173 min  
Delta R.T.: -0.011 min  
Response: 8292585  
Conc: 2.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-03-QT2-2025

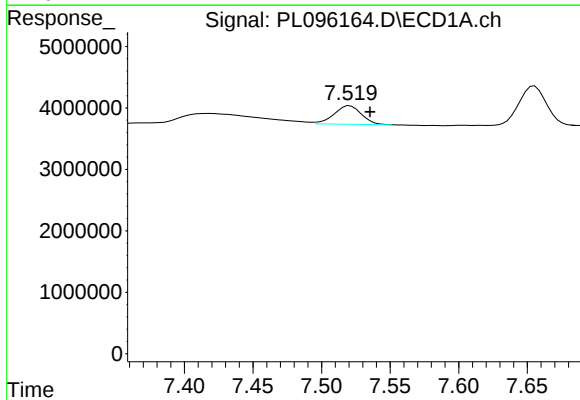
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/25/2025  
Supervised By :mohammad ahmed 06/26/2025



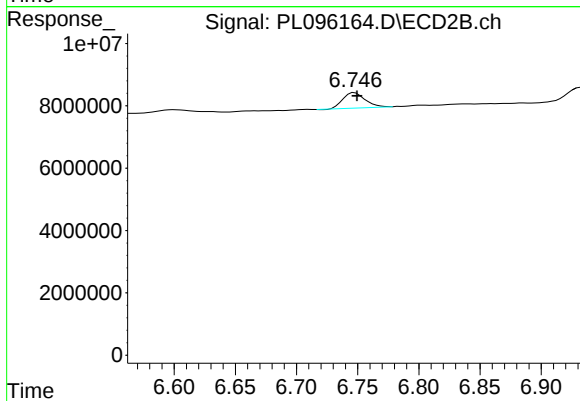
#19 Endosulfan Sulfate

R.T.: 6.469 min  
Delta R.T.: -0.002 min  
Response: 11350043  
Conc: 2.22 ng/ml



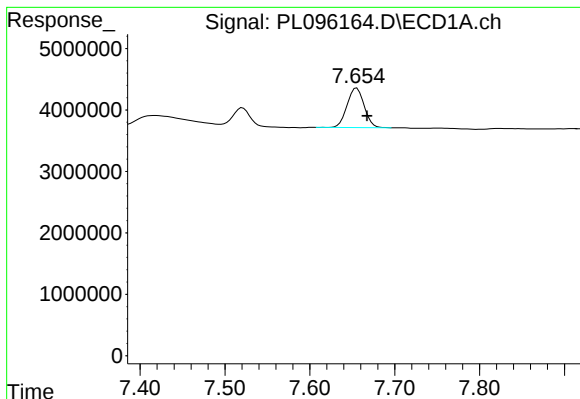
#20 Methoxychlor

R.T.: 7.519 min  
Delta R.T.: -0.016 min  
Response: 4152109  
Conc: 2.52 ng/ml m



#20 Methoxychlor

R.T.: 6.747 min  
Delta R.T.: -0.002 min  
Response: 6227822  
Conc: 2.12 ng/ml



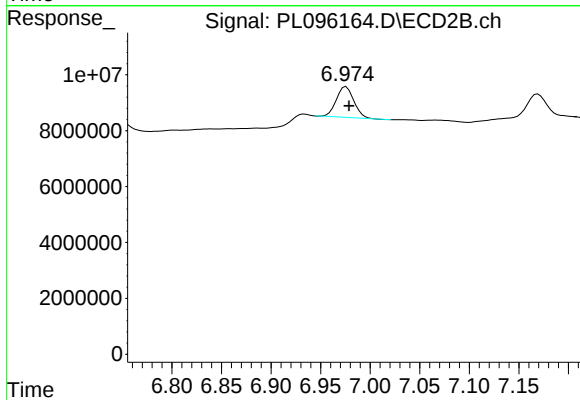
#21 Endrin ketone

R.T.: 7.655 min  
Delta R.T.: -0.012 min  
Response: 9001125  
Conc: 2.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-03-QT2-2025

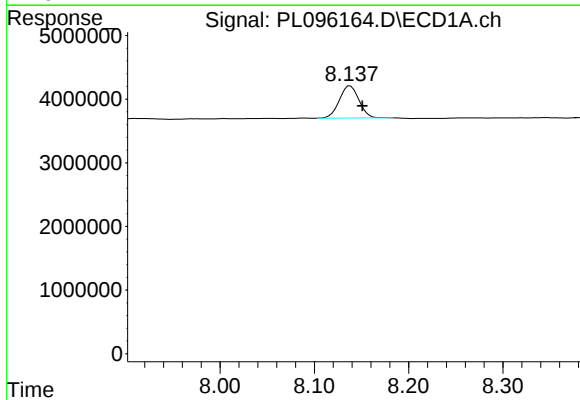
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/25/2025  
Supervised By :mohammad ahmed 06/26/2025



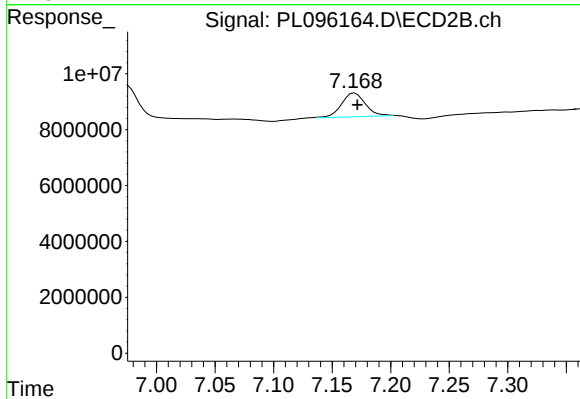
#21 Endrin ketone

R.T.: 6.976 min  
Delta R.T.: -0.003 min  
Response: 13239898  
Conc: 2.22 ng/ml



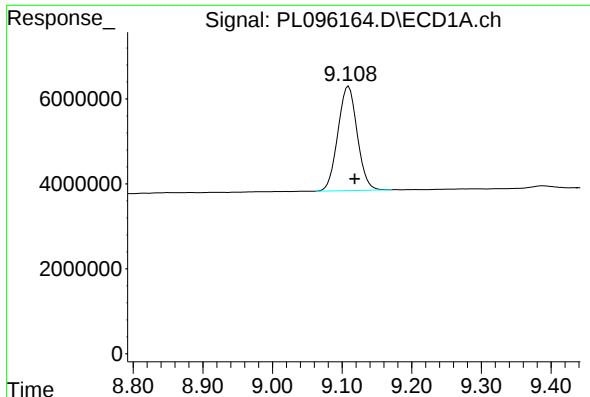
#22 Mirex

R.T.: 8.138 min  
Delta R.T.: -0.013 min  
Response: 7339853  
Conc: 2.69 ng/ml



#22 Mirex

R.T.: 7.168 min  
Delta R.T.: -0.004 min  
Response: 12062900  
Conc: 2.52 ng/ml m



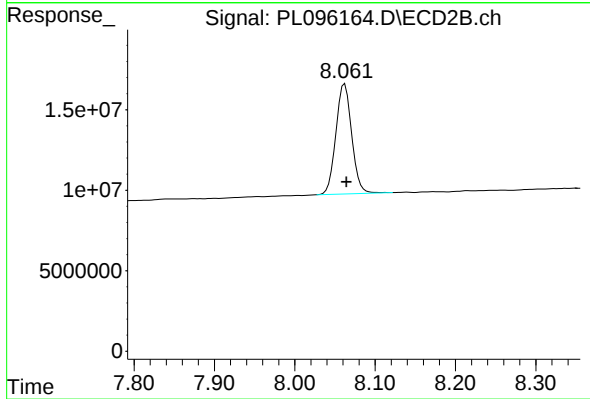
#28 Decachlorobiphenyl

R.T.: 9.109 min  
Delta R.T.: -0.009 min  
Response: 47438498  
Conc: 17.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-03-QT2-2025

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/25/2025  
Supervised By :mohammad ahmed 06/26/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: -0.002 min  
Response: 93611807  
Conc: 17.40 ng/ml