

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012324\  
 Data File : PL087914.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Jan 2024 16:18  
 Operator : AR\AJ  
 Sample : P1187-01  
 Misc : PEST LOD 2.5PPB  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT1-2024

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 01/24/2024  
 Supervised By : Ankita Jodhani 01/24/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 24 00:31:12 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL122823.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Dec 29 03:17:47 2023  
 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... | 3.419 | 2.673 | 63288878 | 27103245 | 21.140 | 22.374 |
| 28)                         | SA Decachlor... | 8.976 | 7.858 | 67049551 | 31448520 | 23.543 | 24.825 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.873 | 3.174 | 8926052  | 3317867  | 1.989m | 1.800m |
| 3)                          | MA gamma-BHC... | 4.208 | 3.506 | 8865450  | 3688369  | 2.033  | 2.030  |
| 4)                          | MA Heptachlor   | 4.801 | 3.846 | 10156146 | 3816682  | 2.311  | 2.143m |
| 5)                          | MB Aldrin       | 5.144 | 4.128 | 9155591  | 3371487  | 2.136  | 1.910  |
| 6)                          | B beta-BHC      | 4.409 | 3.807 | 5123920  | 1832895  | 2.754  | 2.396m |
| 7)                          | B delta-BHC     | 4.653 | 4.037 | 8508929  | 3104319  | 2.022m | 1.788  |
| 8)                          | B Heptachlo...  | 5.573 | 4.635 | 8973976  | 3556366  | 2.342m | 2.231  |
| 9)                          | A Endosulfan I  | 5.961 | 5.006 | 8775355  | 3295381  | 2.434  | 2.130  |
| 10)                         | B gamma-Chl...  | 5.832 | 4.888 | 10015074 | 3746381  | 2.591  | 2.321  |
| 11)                         | B alpha-Chl...  | 5.913 | 4.953 | 9465702  | 3767219  | 2.463  | 2.270  |
| 12)                         | B 4,4'-DDE      | 6.094 | 5.151 | 7244604  | 2826186  | 2.266  | 2.101  |
| 13)                         | MA Dieldrin     | 6.239 | 5.274 | 8696176  | 3381724  | 2.335  | 2.128  |
| 14)                         | MA Endrin       | 6.468 | 5.549 | 7034018  | 3123597  | 2.239  | 2.203  |
| 15)                         | B Endosulfa...  | 6.689 | 5.845 | 9403123  | 4083816  | 2.932  | 2.983m |
| 16)                         | A 4,4'-DDD      | 6.612 | 5.708 | 6280321  | 2267774  | 2.436m | 2.011m |
| 17)                         | MA 4,4'-DDT     | 6.931 | 5.962 | 7481919  | 2675706  | 2.616  | 2.150  |
| 18)                         | B Endrin al...  | 6.821 | 6.029 | 6302970  | 2815752  | 2.506  | 2.423  |
| 19)                         | B Endosulfa...  | 7.058 | 6.254 | 7711482  | 3233488  | 2.521  | 2.463  |
| 20)                         | A Methoxychlor  | 7.416 | 6.547 | 3916309  | 1758845  | 2.412m | 2.389  |
| 21)                         | B Endrin ke...  | 7.544 | 6.759 | 8144214  | 3480923  | 2.504  | 2.271  |
| 22)                         | Mirex           | 8.021 | 6.940 | 7946748  | 3676160  | 2.834  | 2.741  |
| -----                       |                 |       |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL012324\  
Data File : PL087914.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Jan 2024 16:18  
Operator : AR\AJ  
Sample : P1187-01  
Misc : PEST LOD 2.5PPB  
ALS Vial : 15 Sample Multiplier: 1

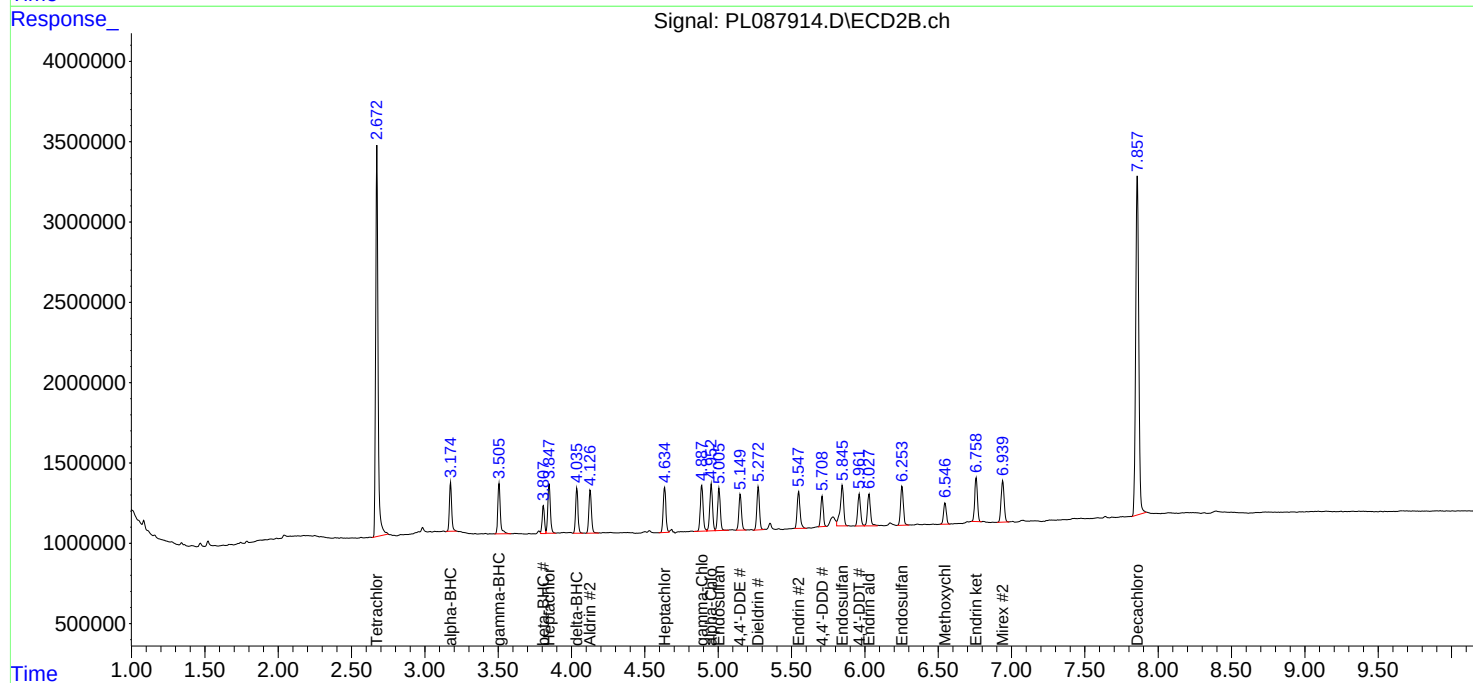
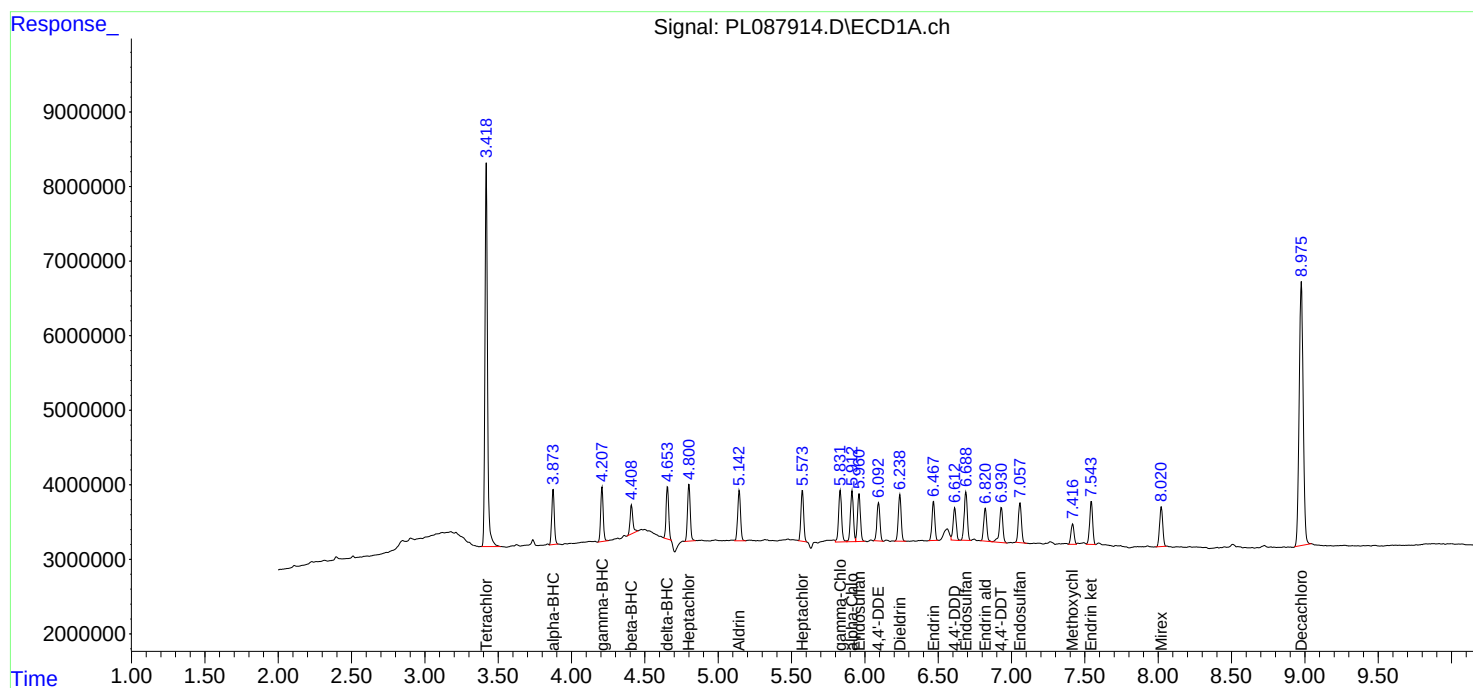
Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

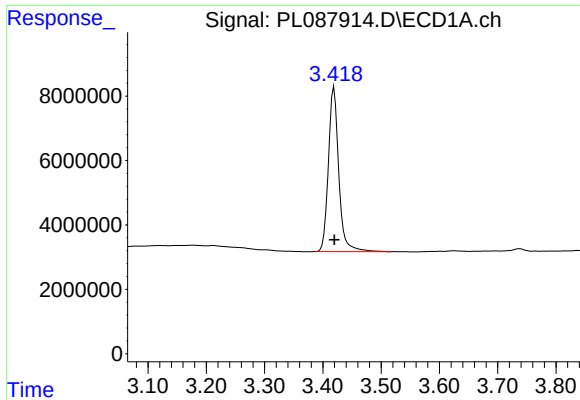
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 24 00:31:12 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL122823.M  
Quant Title : GC Extractables  
QLast Update : Fri Dec 29 03:17:47 2023  
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





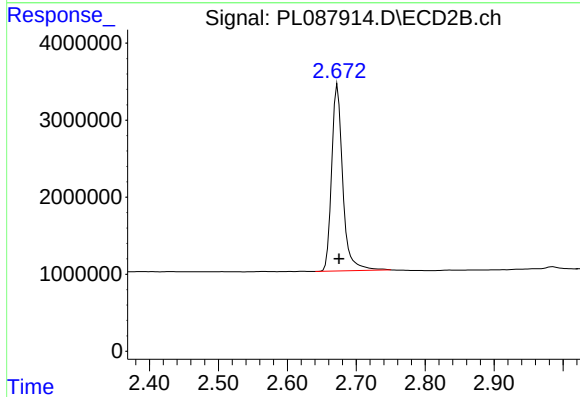
#1 Tetrachloro-m-xylene

R.T.: 3.419 min  
Delta R.T.: 0.000 min  
Response: 63288878  
Conc: 21.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

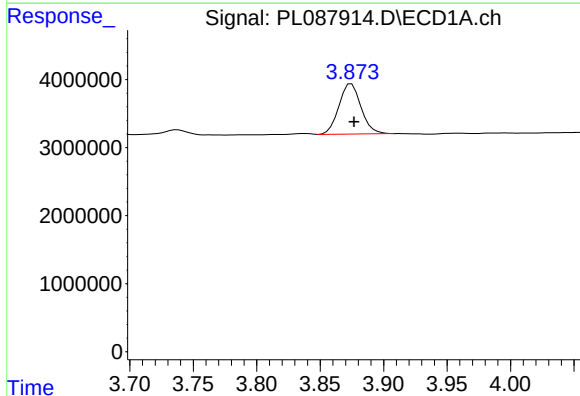
Manual Integrations  
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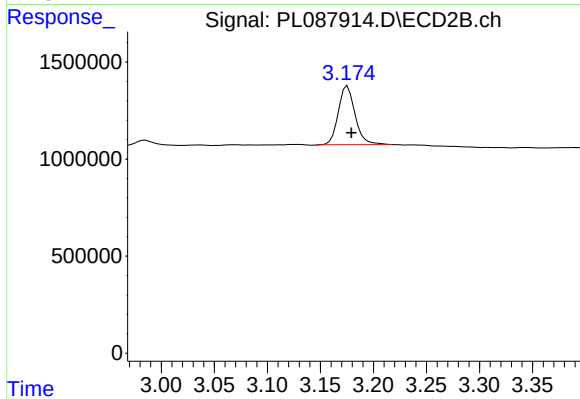
#1 Tetrachloro-m-xylene

R.T.: 2.673 min  
Delta R.T.: -0.002 min  
Response: 27103245  
Conc: 22.37 ng/ml



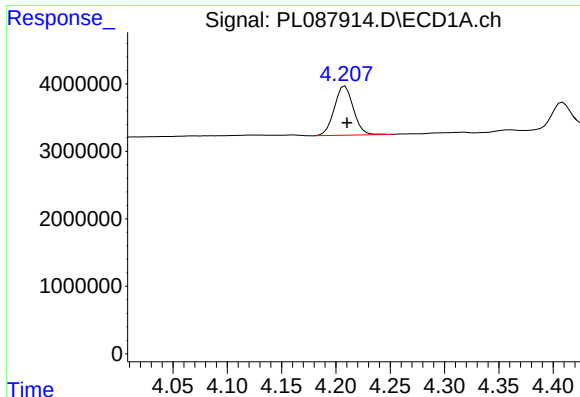
#2 alpha-BHC

R.T.: 3.873 min  
Delta R.T.: -0.004 min  
Response: 8926052  
Conc: 1.99 ng/ml m



#2 alpha-BHC

R.T.: 3.174 min  
Delta R.T.: -0.005 min  
Response: 3317867  
Conc: 1.80 ng/ml m



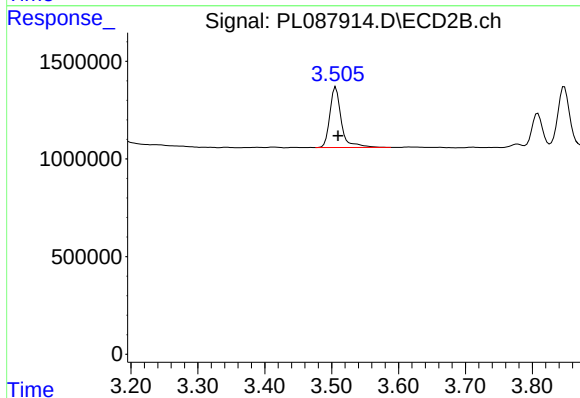
#3 gamma-BHC (Lindane)

R.T.: 4.208 min  
Delta R.T.: -0.002 min  
Response: 8865450  
Conc: 2.03 ng/ml

Instrument :  
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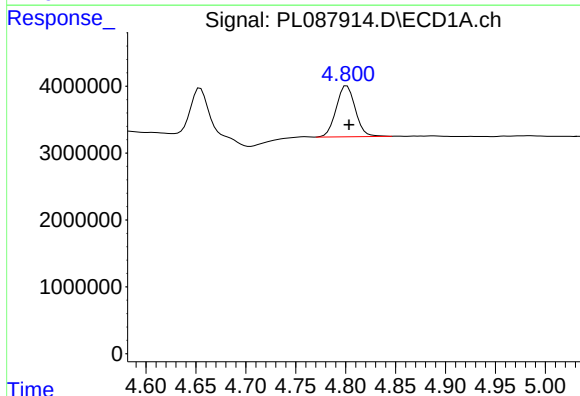
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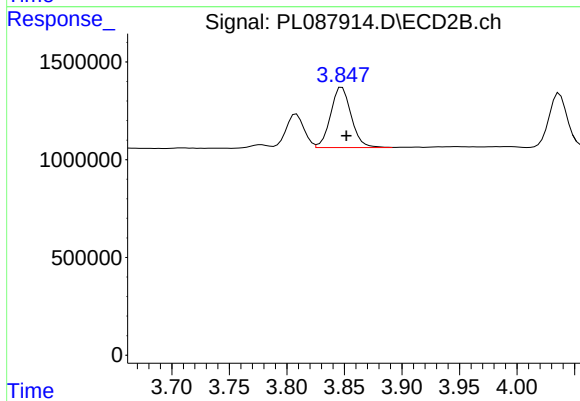
#3 gamma-BHC (Lindane)

R.T.: 3.506 min  
Delta R.T.: -0.003 min  
Response: 3688369  
Conc: 2.03 ng/ml



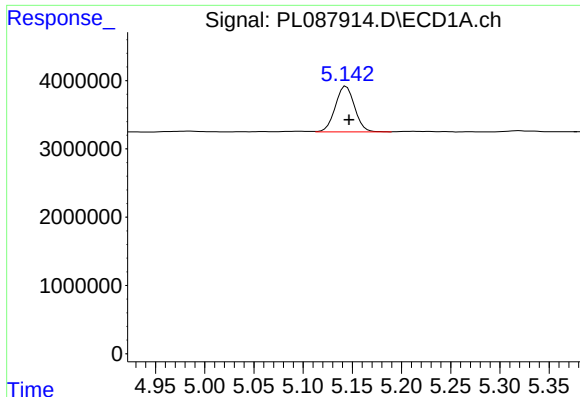
#4 Heptachlor

R.T.: 4.801 min  
Delta R.T.: -0.002 min  
Response: 10156146  
Conc: 2.31 ng/ml



#4 Heptachlor

R.T.: 3.846 min  
Delta R.T.: -0.005 min  
Response: 3816682  
Conc: 2.14 ng/ml m



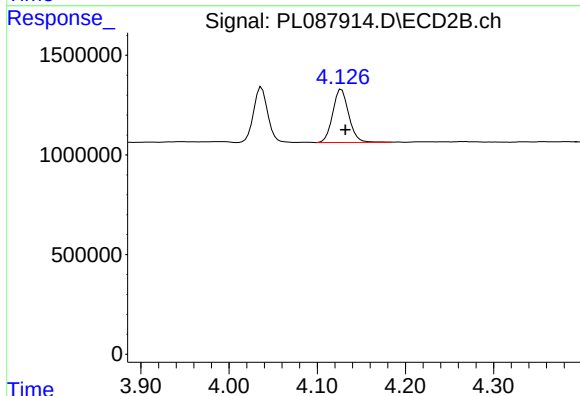
#5 Aldrin

R.T.: 5.144 min  
Delta R.T.: -0.003 min  
Response: 9155591  
Conc: 2.14 ng/ml

Instrument :  
ECD\_L  
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LOD-MDL-SOIL-01-QT1-2024

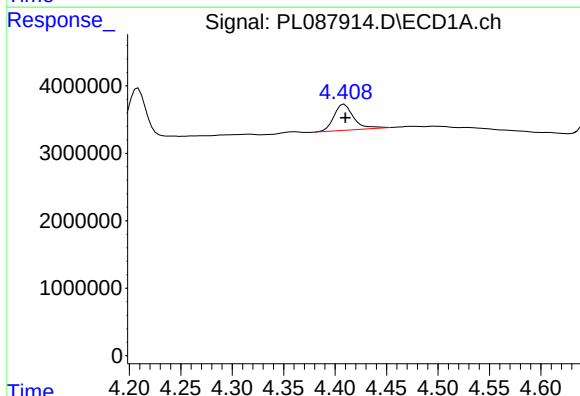
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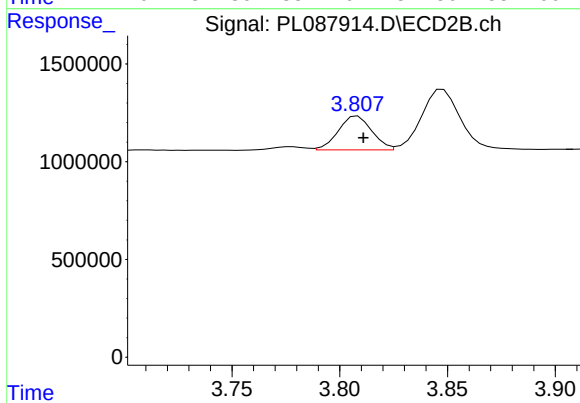
#5 Aldrin

R.T.: 4.128 min  
Delta R.T.: -0.005 min  
Response: 3371487  
Conc: 1.91 ng/ml



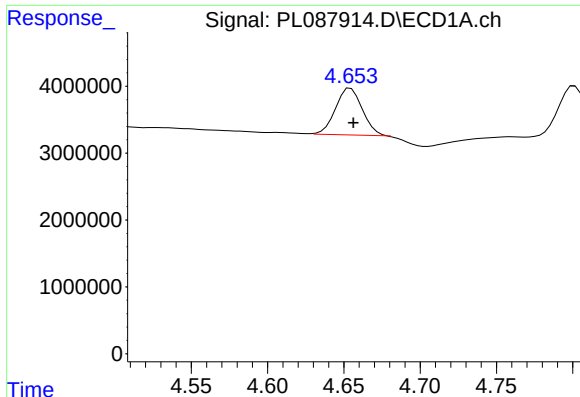
#6 beta-BHC

R.T.: 4.409 min  
Delta R.T.: -0.001 min  
Response: 5123920  
Conc: 2.75 ng/ml



#6 beta-BHC

R.T.: 3.807 min  
Delta R.T.: -0.004 min  
Response: 1832895  
Conc: 2.40 ng/ml m



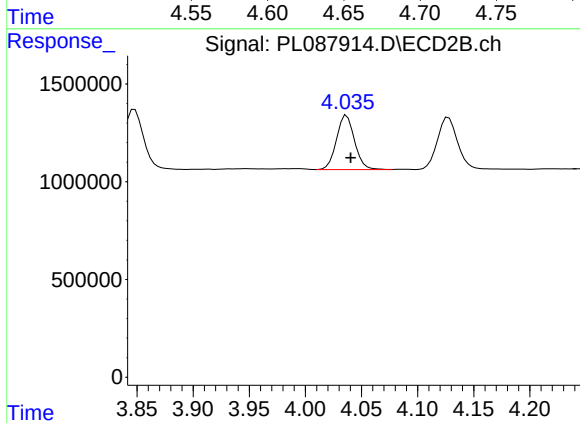
#7 delta-BHC

R.T.: 4.653 min  
Delta R.T.: -0.003 min  
Response: 8508929  
Conc: 2.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

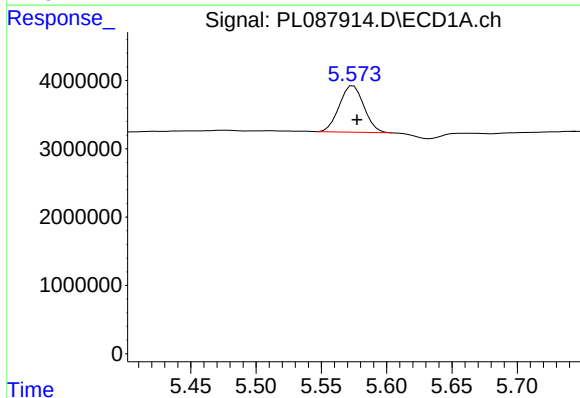
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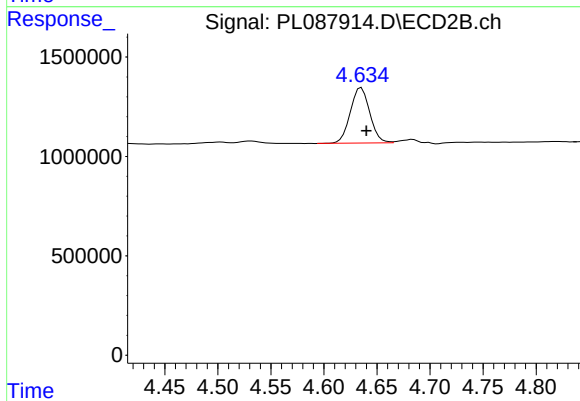
#7 delta-BHC

R.T.: 4.037 min  
Delta R.T.: -0.004 min  
Response: 3104319  
Conc: 1.79 ng/ml



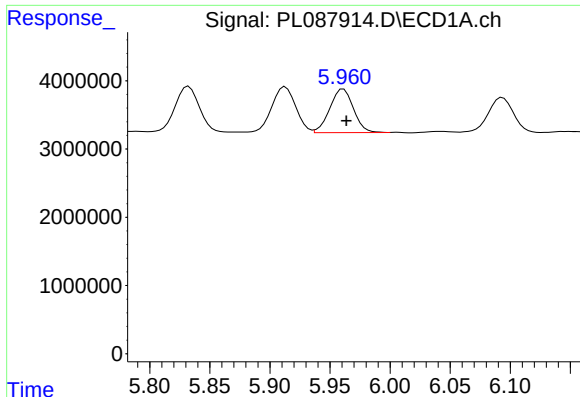
#8 Heptachlor epoxide

R.T.: 5.573 min  
Delta R.T.: -0.004 min  
Response: 8973976  
Conc: 2.34 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.635 min  
Delta R.T.: -0.005 min  
Response: 3556366  
Conc: 2.23 ng/ml



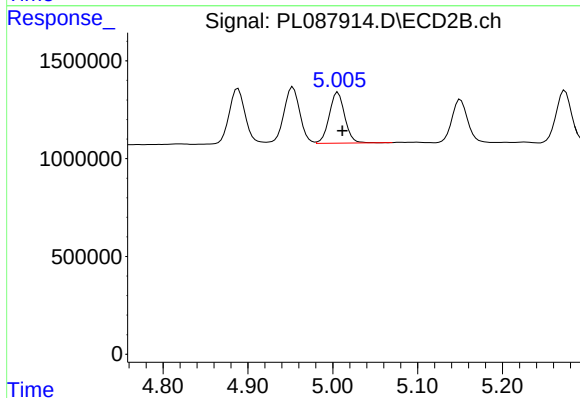
#9 Endosulfan I

R.T.: 5.961 min  
Delta R.T.: -0.003 min  
Response: 8775355  
Conc: 2.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

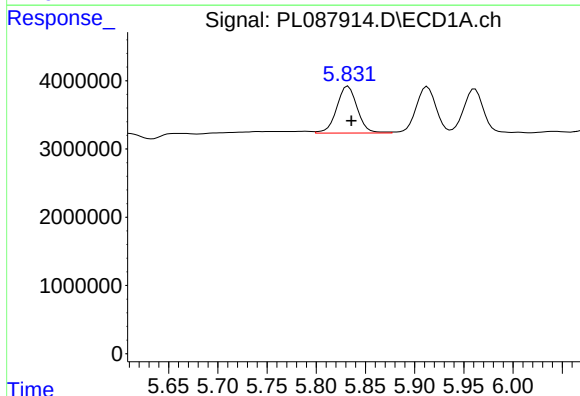
Manual Integrations  
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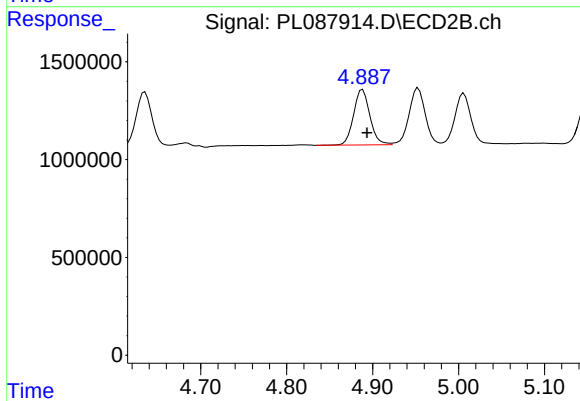
#9 Endosulfan I

R.T.: 5.006 min  
Delta R.T.: -0.005 min  
Response: 3295381  
Conc: 2.13 ng/ml



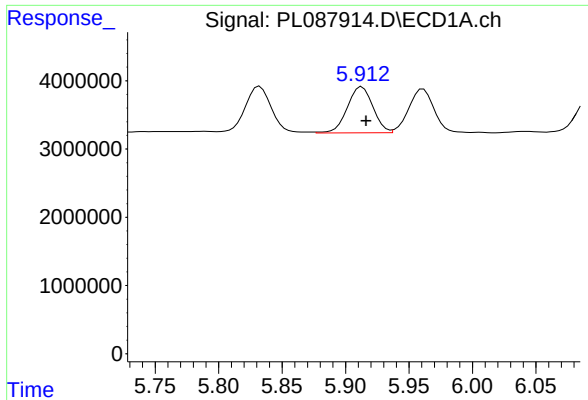
#10 gamma-Chlordane

R.T.: 5.832 min  
Delta R.T.: -0.003 min  
Response: 10015074  
Conc: 2.59 ng/ml



#10 gamma-Chlordane

R.T.: 4.888 min  
Delta R.T.: -0.005 min  
Response: 3746381  
Conc: 2.32 ng/ml



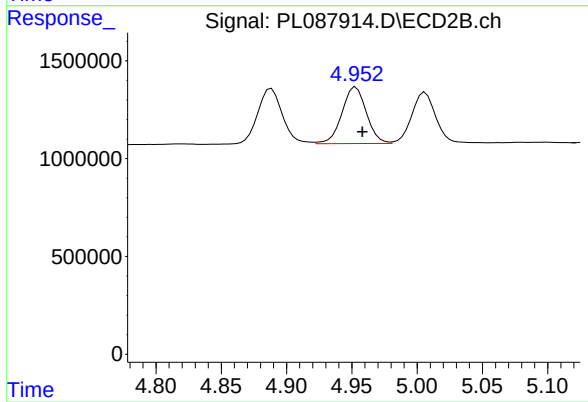
#11 alpha-Chlordane

R.T.: 5.913 min  
Delta R.T.: -0.003 min  
Response: 9465702  
Conc: 2.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

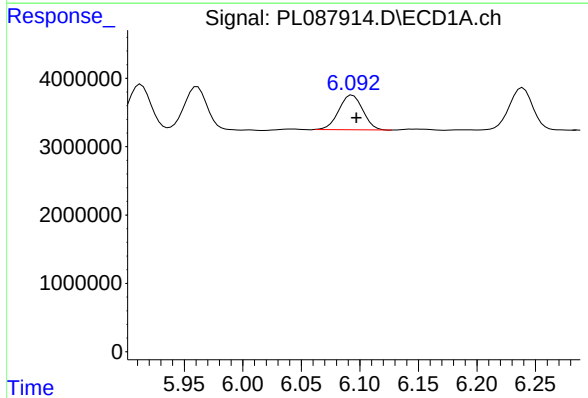
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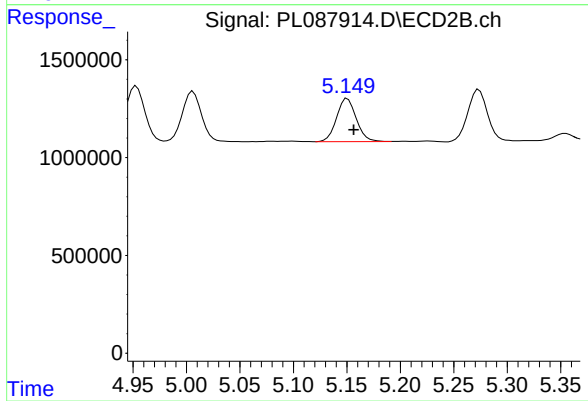
#11 alpha-Chlordane

R.T.: 4.953 min  
Delta R.T.: -0.005 min  
Response: 3767219  
Conc: 2.27 ng/ml



#12 4,4'-DDE

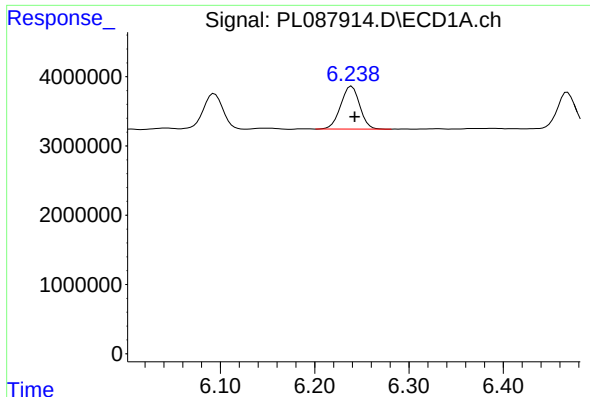
R.T.: 6.094 min  
Delta R.T.: -0.003 min  
Response: 7244604  
Conc: 2.27 ng/ml



#12 4,4'-DDE

R.T.: 5.151 min  
Delta R.T.: -0.006 min  
Response: 2826186  
Conc: 2.10 ng/ml





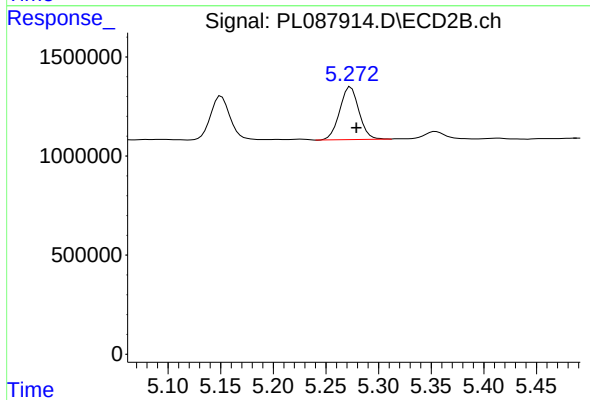
#13 Dieldrin

R.T.: 6.239 min  
Delta R.T.: -0.003 min  
Response: 8696176  
Conc: 2.33 ng/ml

Instrument :  
ECD\_L  
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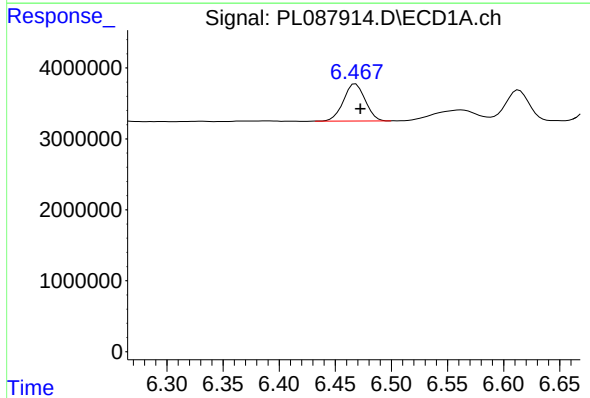
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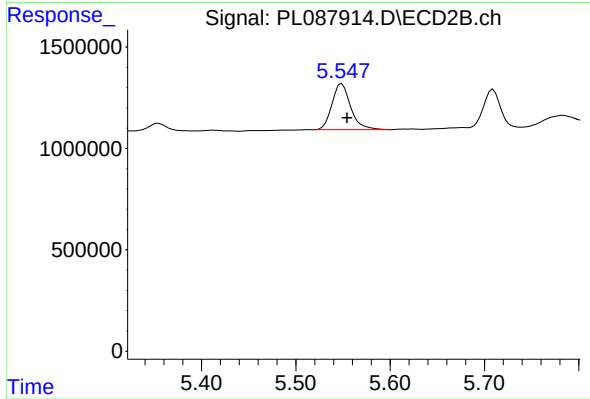
#13 Dieldrin

R.T.: 5.274 min  
Delta R.T.: -0.005 min  
Response: 3381724  
Conc: 2.13 ng/ml



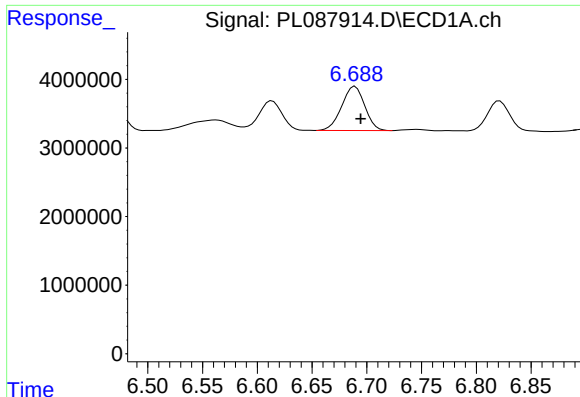
#14 Endrin

R.T.: 6.468 min  
Delta R.T.: -0.004 min  
Response: 7034018  
Conc: 2.24 ng/ml



#14 Endrin

R.T.: 5.549 min  
Delta R.T.: -0.005 min  
Response: 3123597  
Conc: 2.20 ng/ml



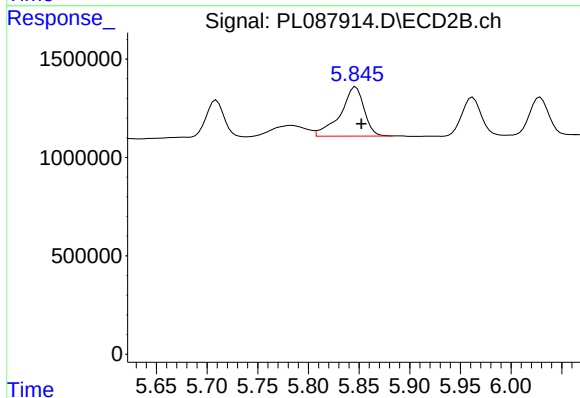
#15 Endosulfan II

R.T.: 6.689 min  
Delta R.T.: -0.005 min  
Response: 9403123  
Conc: 2.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

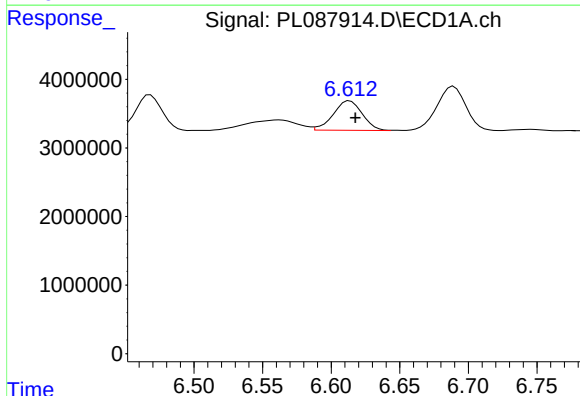
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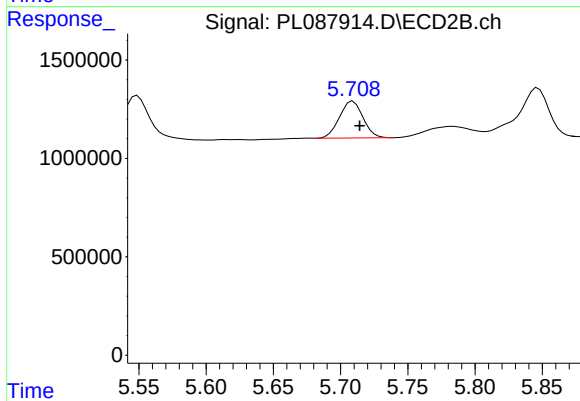
#15 Endosulfan II

R.T.: 5.845 min  
Delta R.T.: -0.007 min  
Response: 4083816  
Conc: 2.98 ng/ml m



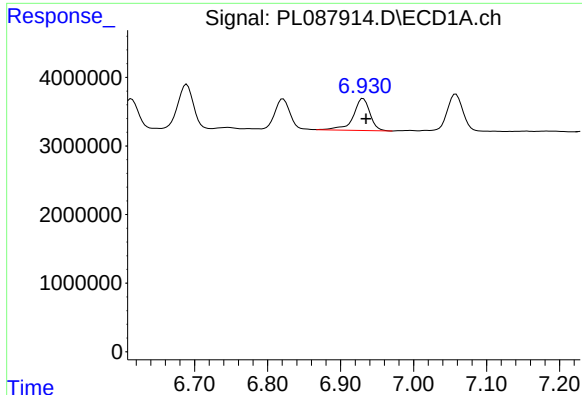
#16 4,4'-DDD

R.T.: 6.612 min  
Delta R.T.: -0.005 min  
Response: 6280321  
Conc: 2.44 ng/ml m



#16 4,4'-DDD

R.T.: 5.708 min  
Delta R.T.: -0.006 min  
Response: 2267774  
Conc: 2.01 ng/ml m



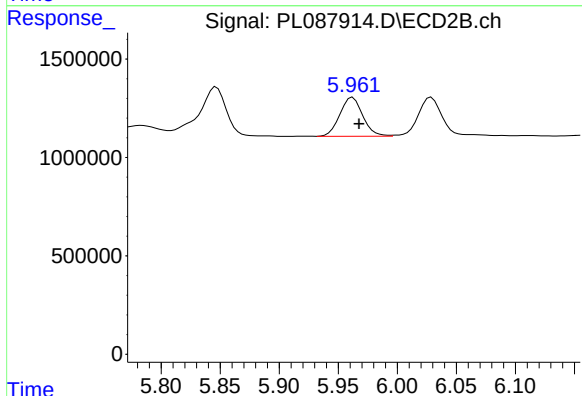
#17 4,4'-DDT

R.T.: 6.931 min  
Delta R.T.: -0.004 min  
Response: 7481919  
Conc: 2.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

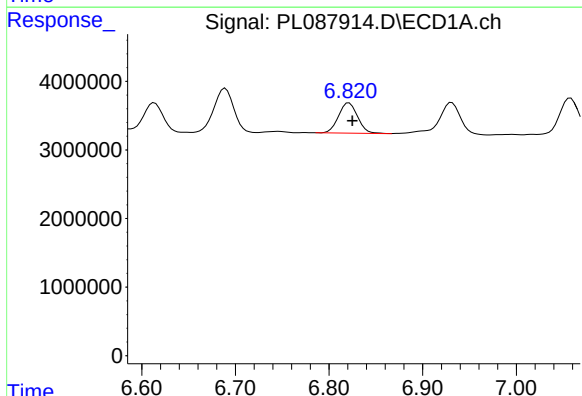
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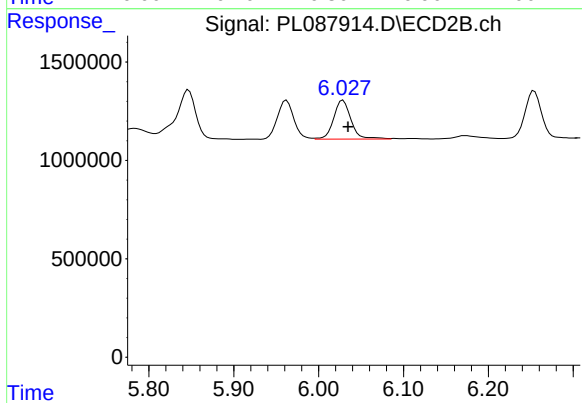
#17 4,4'-DDT

R.T.: 5.962 min  
Delta R.T.: -0.005 min  
Response: 2675706  
Conc: 2.15 ng/ml



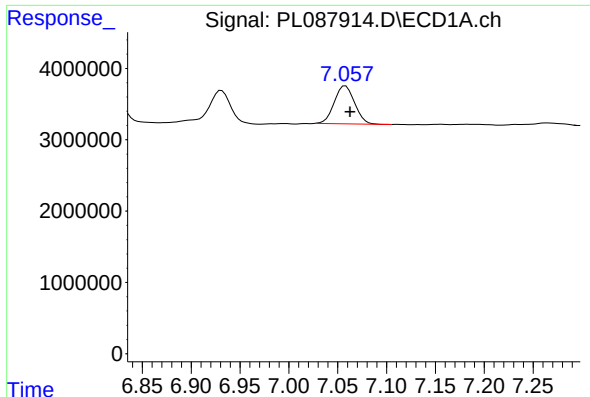
#18 Endrin aldehyde

R.T.: 6.821 min  
Delta R.T.: -0.004 min  
Response: 6302970  
Conc: 2.51 ng/ml



#18 Endrin aldehyde

R.T.: 6.029 min  
Delta R.T.: -0.006 min  
Response: 2815752  
Conc: 2.42 ng/ml



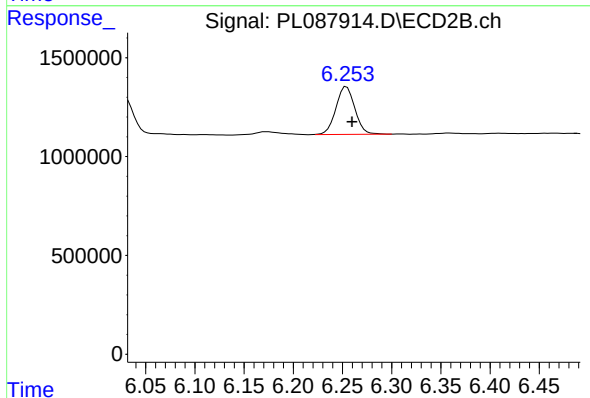
#19 Endosulfan Sulfate

R.T.: 7.058 min  
Delta R.T.: -0.005 min  
Response: 7711482  
Conc: 2.52 ng/ml

Instrument :  
ECD\_L  
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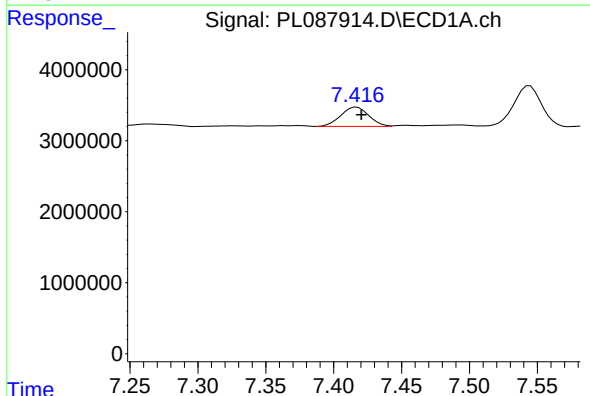
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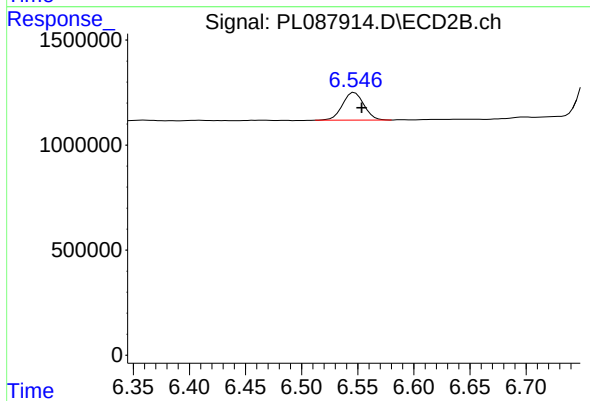
#19 Endosulfan Sulfate

R.T.: 6.254 min  
Delta R.T.: -0.006 min  
Response: 3233488  
Conc: 2.46 ng/ml



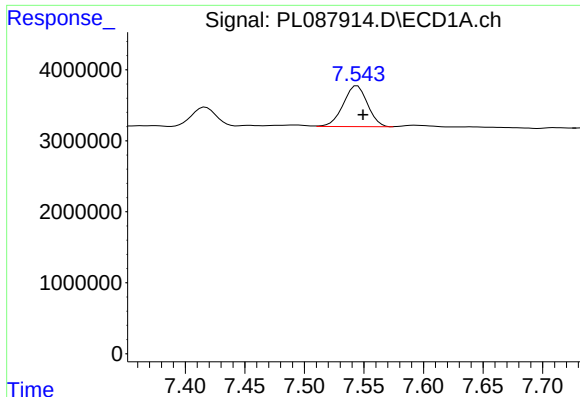
#20 Methoxychlor

R.T.: 7.416 min  
Delta R.T.: -0.005 min  
Response: 3916309  
Conc: 2.41 ng/ml m



#20 Methoxychlor

R.T.: 6.547 min  
Delta R.T.: -0.006 min  
Response: 1758845  
Conc: 2.39 ng/ml



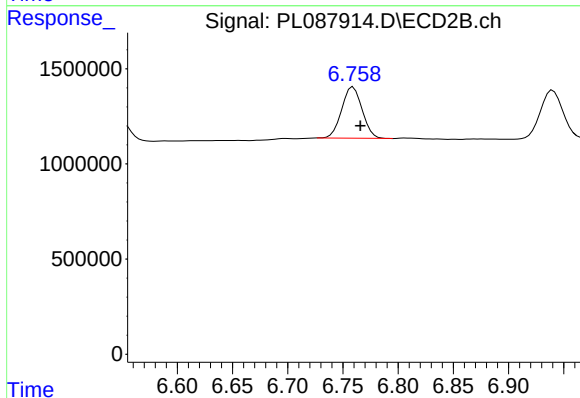
#21 Endrin ketone

R.T.: 7.544 min  
Delta R.T.: -0.005 min  
Response: 8144214  
Conc: 2.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

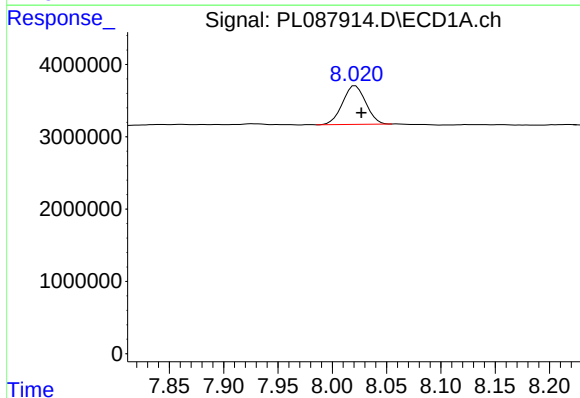
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 01/24/2024  
Supervised By :Ankita Jodhani 01/24/2024



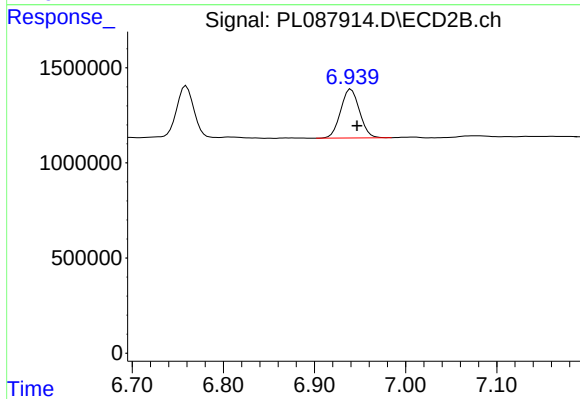
#21 Endrin ketone

R.T.: 6.759 min  
Delta R.T.: -0.006 min  
Response: 3480923  
Conc: 2.27 ng/ml



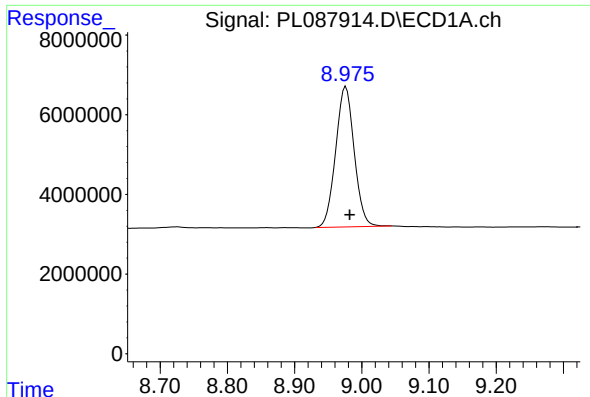
#22 Mirex

R.T.: 8.021 min  
Delta R.T.: -0.005 min  
Response: 7946748  
Conc: 2.83 ng/ml



#22 Mirex

R.T.: 6.940 min  
Delta R.T.: -0.007 min  
Response: 3676160  
Conc: 2.74 ng/ml



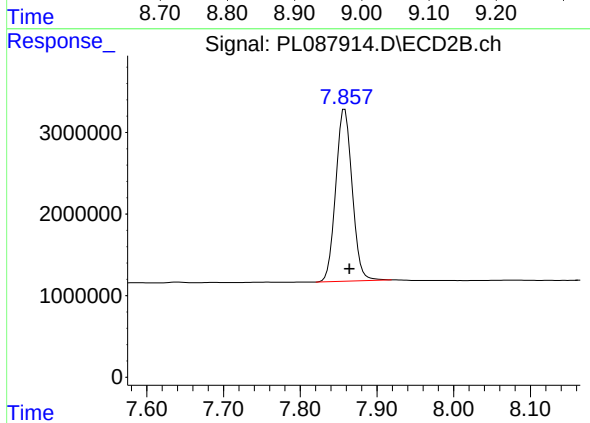
#28 Decachlorobiphenyl

R.T.: 8.976 min  
Delta R.T.: -0.006 min  
Response: 67049551  
Conc: 23.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOD-MDL-SOIL-01-QT1-2024

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 7.858 min  
Delta R.T.: -0.006 min  
Response: 31448520  
Conc: 24.82 ng/ml