

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100923\  
 Data File : PL085802.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Oct 2023 22:21  
 Operator : AR\AJ  
 Sample : 04699-02  
 Misc : PEST LOQ 5PPB  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 LOQ-SOIL-02-QT4-2023

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/10/2023  
 Supervised By :Ankita Jodhani 10/11/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 10 03:27:58 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100323.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Oct 04 05:29:39 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... | 3.357 | 2.622 | 51936146 | 15966835 | 17.462 | 17.093  |
| 28)                         | SA Decachlor... | 8.860 | 7.776 | 48468980 | 19338536 | 22.253 | 20.952  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.811 | 3.121 | 17867064 | 4625591  | 4.163  | 3.677   |
| 3)                          | MA gamma-BHC... | 4.143 | 3.448 | 16904941 | 4858479  | 4.090  | 3.939   |
| 4)                          | MA Heptachlor   | 4.729 | 3.785 | 18605178 | 5230167  | 4.811m | 4.497   |
| 5)                          | MB Aldrin       | 5.070 | 4.062 | 17117396 | 4469265  | 4.416  | 3.997   |
| 6)                          | B beta-BHC      | 4.346 | 3.750 | 8724277  | 2549147  | 5.276  | 4.897   |
| 7)                          | B delta-BHC     | 4.588 | 3.976 | 16721621 | 4292141  | 4.361m | 3.736   |
| 8)                          | B Heptachlo...  | 5.499 | 4.567 | 17715785 | 4479046  | 5.135m | 4.459   |
| 9)                          | A Endosulfan I  | 5.883 | 4.934 | 15814363 | 4768313  | 4.890m | 4.445   |
| 10)                         | B gamma-Chl...  | 5.757 | 4.817 | 16583787 | 4804622  | 4.847m | 4.851m  |
| 11)                         | B alpha-Chl...  | 5.836 | 4.881 | 16655350 | 4475474  | 4.873m | 4.103m  |
| 12)                         | B 4,4'-DDE      | 6.020 | 5.081 | 14485452 | 3533085  | 5.180  | 4.303   |
| 13)                         | MA Dieldrin     | 6.162 | 5.201 | 15189072 | 4037757  | 4.622  | 4.162   |
| 14)                         | MA Endrin       | 6.390 | 5.474 | 13450141 | 3718652  | 4.720  | 4.136   |
| 15)                         | B Endosulfa...  | 6.612 | 5.771 | 14363956 | 4068661  | 5.213  | 4.279   |
| 16)                         | A 4,4'-DDD      | 6.539 | 5.638 | 11283142 | 3392250  | 5.601  | 4.874   |
| 17)                         | MA 4,4'-DDT     | 6.853 | 5.888 | 12016831 | 3347681  | 5.098m | 4.234   |
| 18)                         | B Endrin al...  | 6.744 | 5.954 | 10749564 | 4011529  | 5.304  | 5.379   |
| 19)                         | B Endosulfa...  | 6.979 | 6.178 | 13723187 | 4398425  | 5.468  | 4.876   |
| 20)                         | A Methoxychlor  | 7.340 | 6.473 | 8890183  | 2316156  | 6.366m | 4.403 # |
| 21)                         | B Endrin ke...  | 7.461 | 6.680 | 13635327 | 5649404  | 4.734  | 4.915   |
| 22)                         | Mirex           | 7.935 | 6.857 | 12156017 | 5016593  | 5.491  | 5.319   |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100923\  
Data File : PL085802.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Oct 2023 22:21  
Operator : AR\AJ  
Sample : 04699-02  
Misc : PEST LOQ 5PPB  
ALS Vial : 32 Sample Multiplier: 1

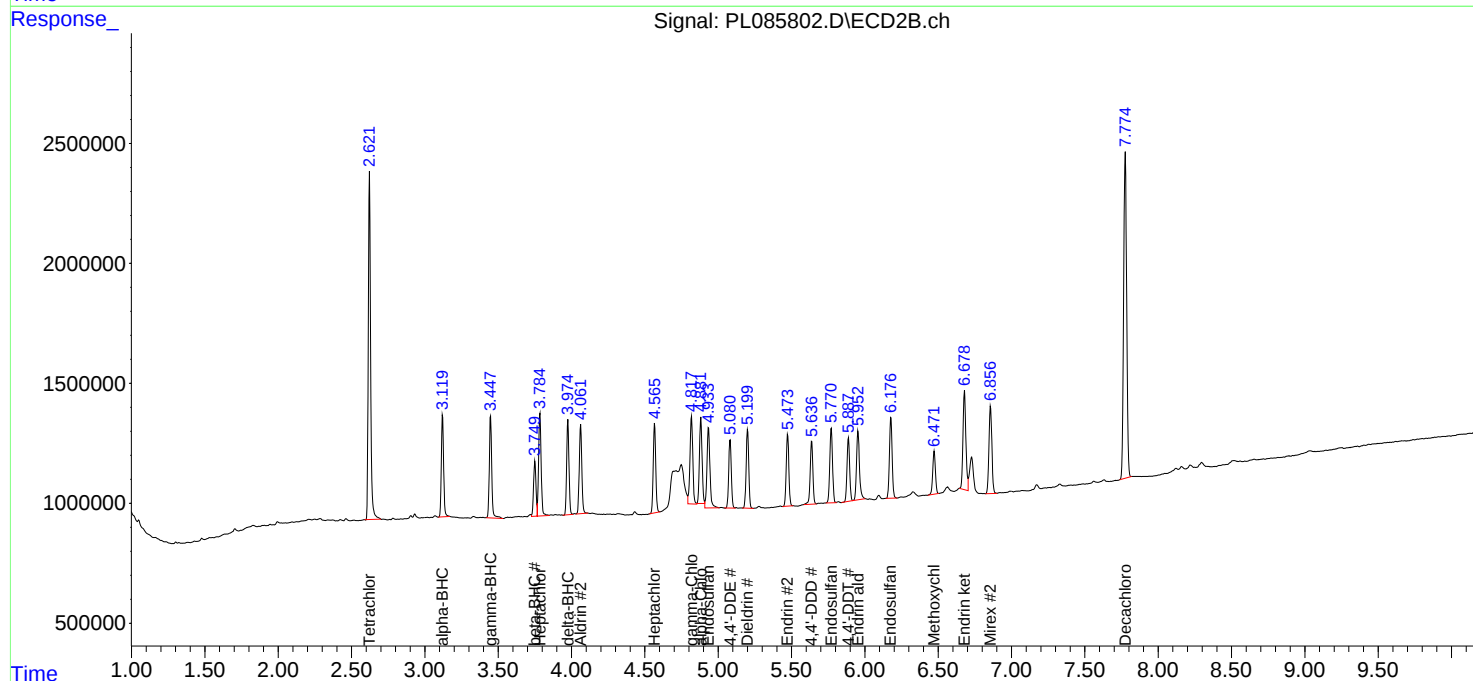
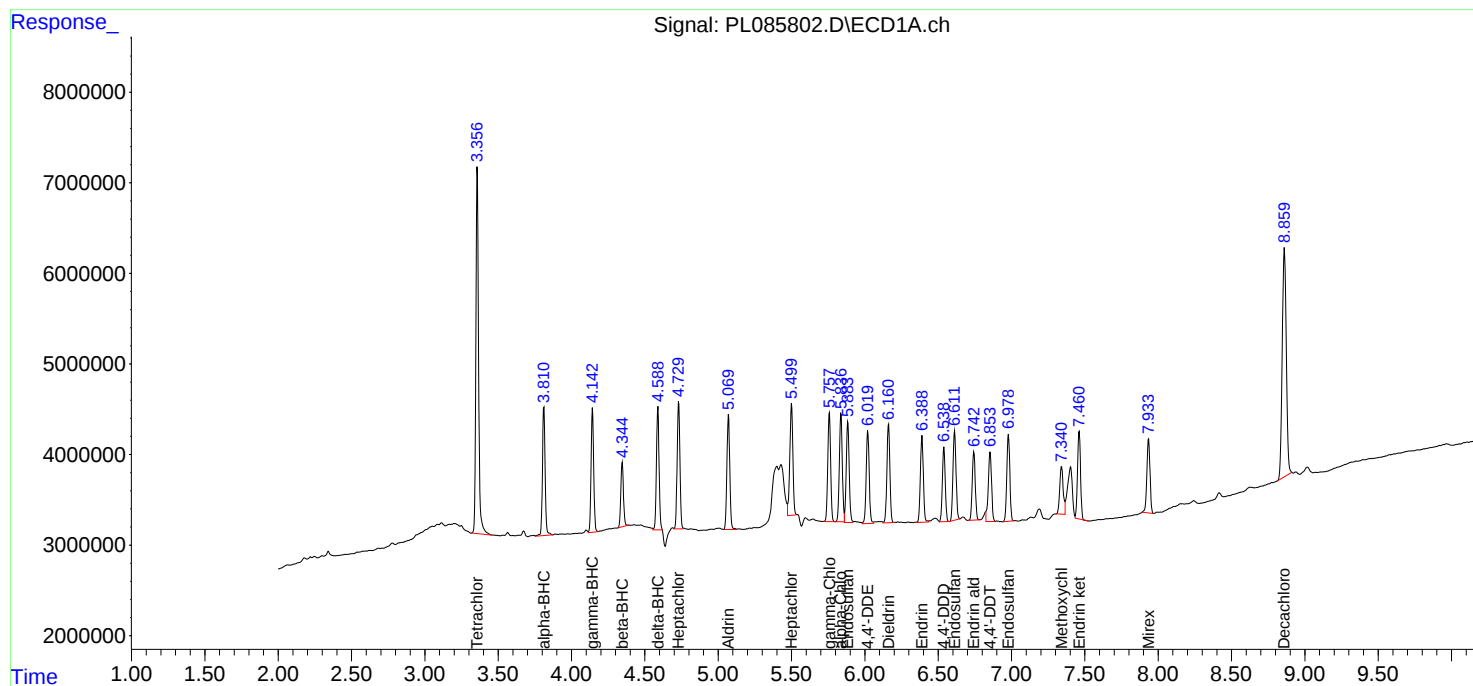
Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

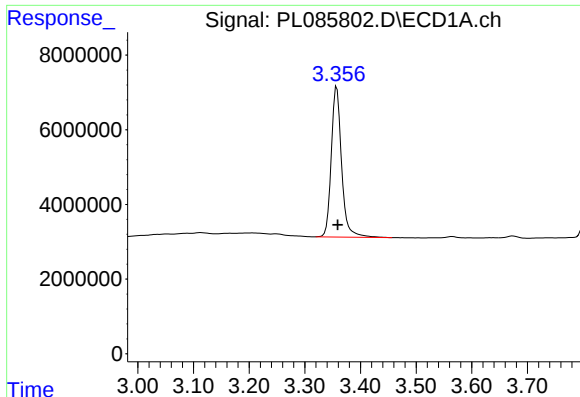
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 10 03:27:58 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL100323.M  
Quant Title : GC Extractables  
QLast Update : Wed Oct 04 05:29:39 2023  
Response via : Initial Calibration  
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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





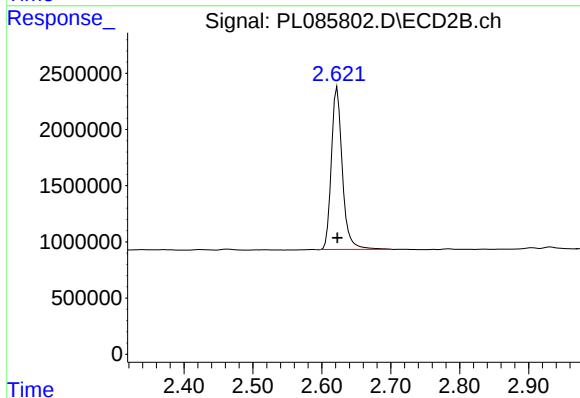
#1 Tetrachloro-m-xylene

R.T.: 3.357 min  
Delta R.T.: -0.002 min  
Response: 51936146  
Conc: 17.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

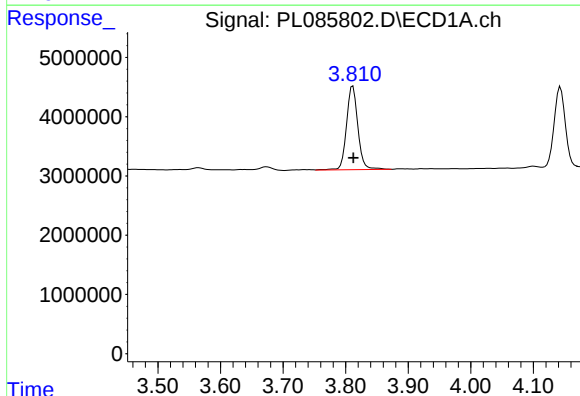
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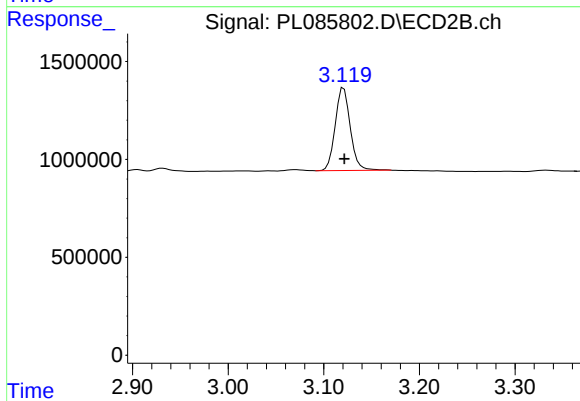
#1 Tetrachloro-m-xylene

R.T.: 2.622 min  
Delta R.T.: 0.000 min  
Response: 15966835  
Conc: 17.09 ng/ml



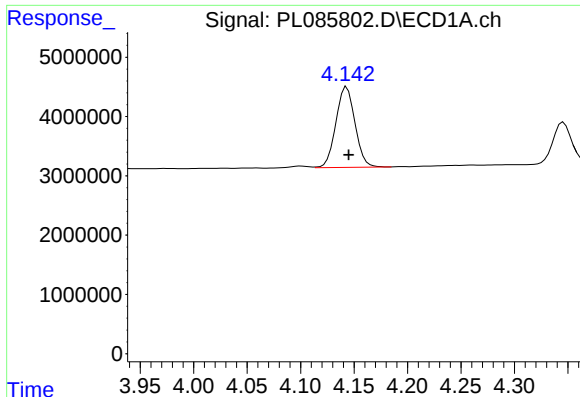
#2 alpha-BHC

R.T.: 3.811 min  
Delta R.T.: -0.001 min  
Response: 17867064  
Conc: 4.16 ng/ml



#2 alpha-BHC

R.T.: 3.121 min  
Delta R.T.: 0.000 min  
Response: 4625591  
Conc: 3.68 ng/ml



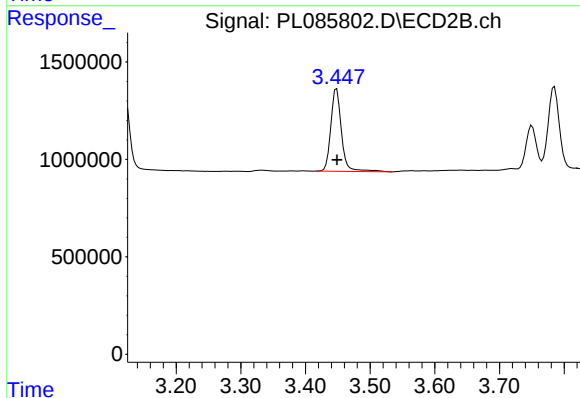
#3 gamma-BHC (Lindane)

R.T.: 4.143 min  
Delta R.T.: -0.002 min  
Response: 16904941  
Conc: 4.09 ng/ml

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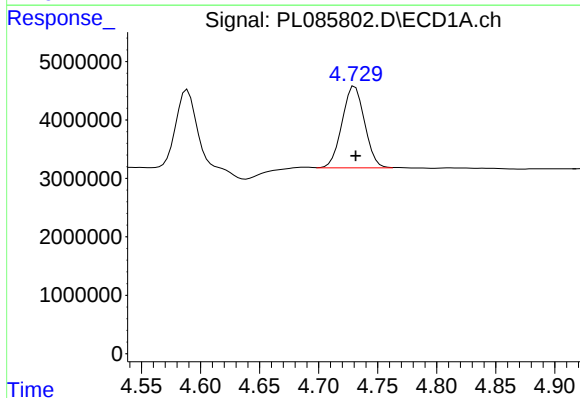
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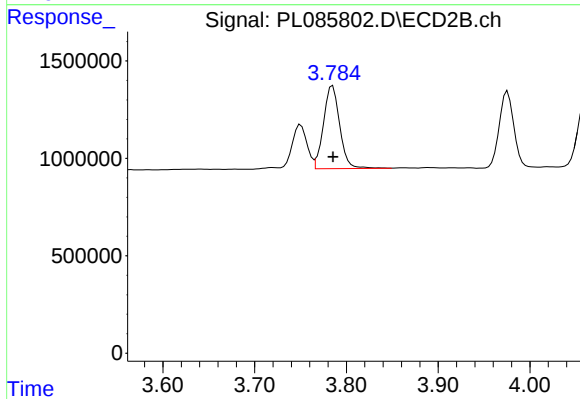
#3 gamma-BHC (Lindane)

R.T.: 3.448 min  
Delta R.T.: 0.000 min  
Response: 4858479  
Conc: 3.94 ng/ml



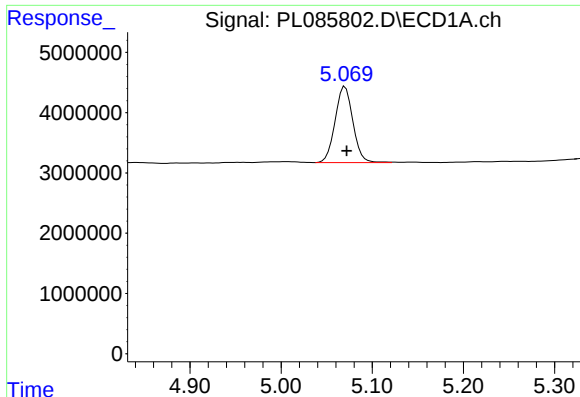
#4 Heptachlor

R.T.: 4.729 min  
Delta R.T.: -0.002 min  
Response: 18605178  
Conc: 4.81 ng/ml m



#4 Heptachlor

R.T.: 3.785 min  
Delta R.T.: 0.000 min  
Response: 5230167  
Conc: 4.50 ng/ml



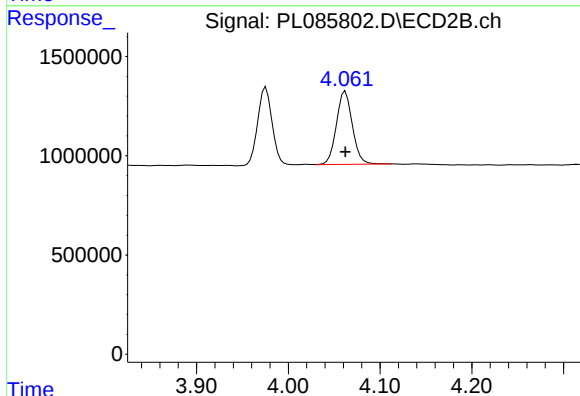
#5 Aldrin

R.T.: 5.070 min  
Delta R.T.: -0.002 min  
Response: 17117396  
Conc: 4.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

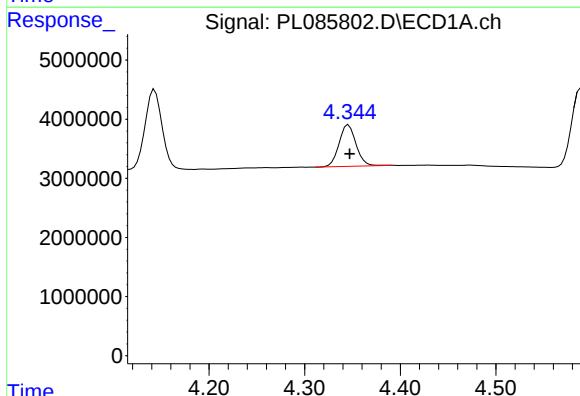
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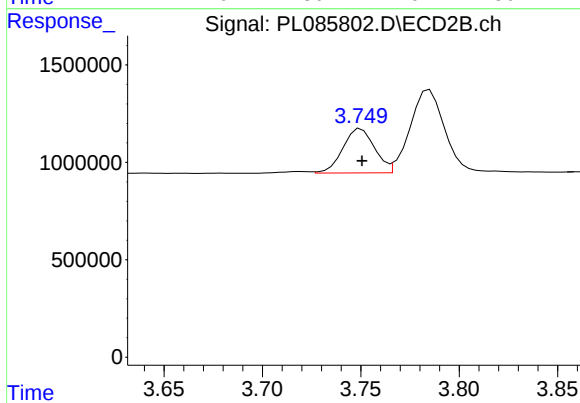
#5 Aldrin

R.T.: 4.062 min  
Delta R.T.: 0.000 min  
Response: 4469265  
Conc: 4.00 ng/ml



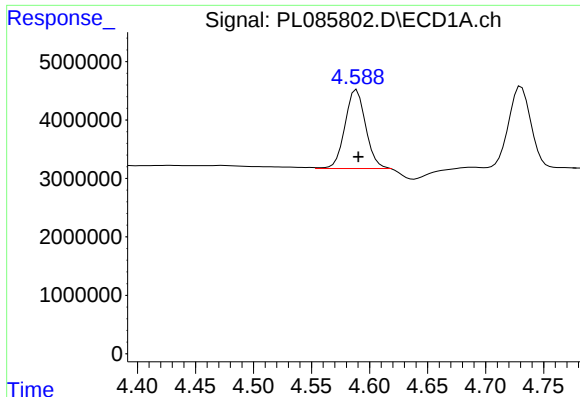
#6 beta-BHC

R.T.: 4.346 min  
Delta R.T.: -0.001 min  
Response: 8724277  
Conc: 5.28 ng/ml



#6 beta-BHC

R.T.: 3.750 min  
Delta R.T.: 0.000 min  
Response: 2549147  
Conc: 4.90 ng/ml



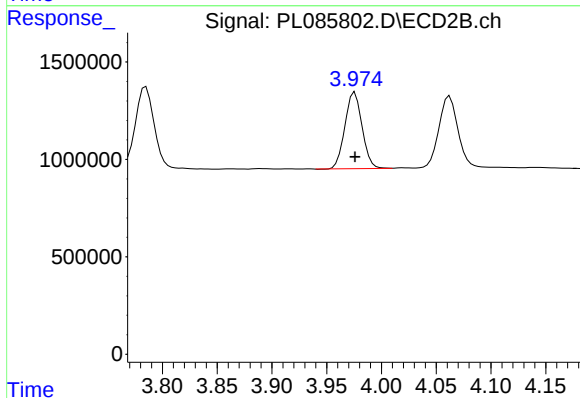
#7 delta-BHC

R.T.: 4.588 min  
Delta R.T.: -0.003 min  
Response: 16721621  
Conc: 4.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

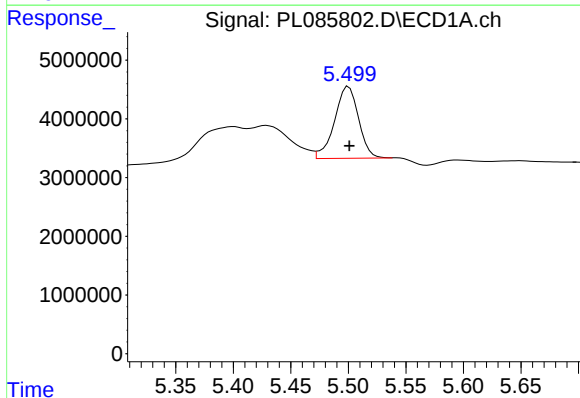
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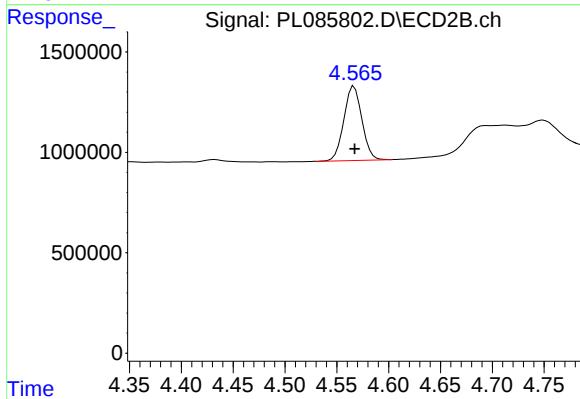
#7 delta-BHC

R.T.: 3.976 min  
Delta R.T.: 0.000 min  
Response: 4292141  
Conc: 3.74 ng/ml



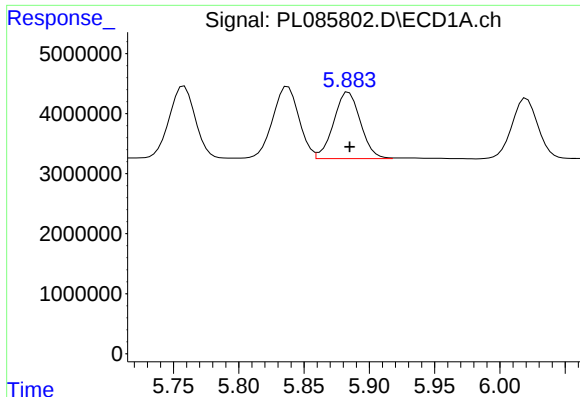
#8 Heptachlor epoxide

R.T.: 5.499 min  
Delta R.T.: -0.002 min  
Response: 17715785  
Conc: 5.14 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.567 min  
Delta R.T.: 0.000 min  
Response: 4479046  
Conc: 4.46 ng/ml



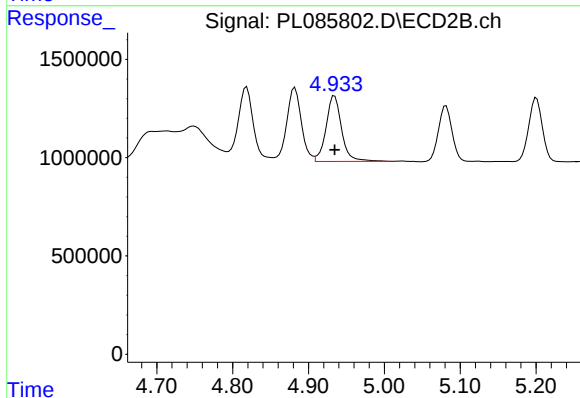
#9 Endosulfan I

R.T.: 5.883 min  
Delta R.T.: -0.002 min  
Response: 15814363  
Conc: 4.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

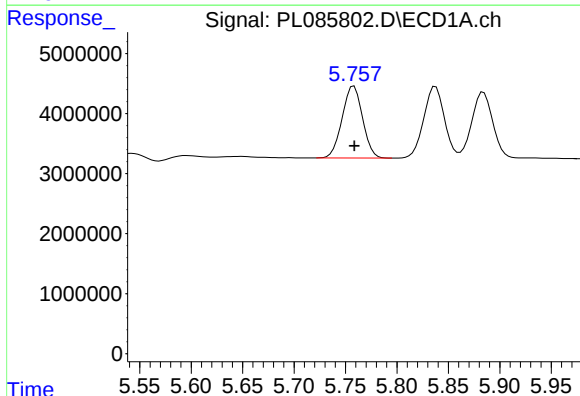
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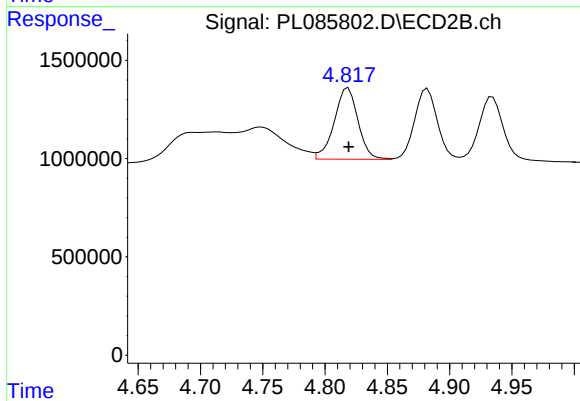
#9 Endosulfan I

R.T.: 4.934 min  
Delta R.T.: 0.000 min  
Response: 4768313  
Conc: 4.44 ng/ml



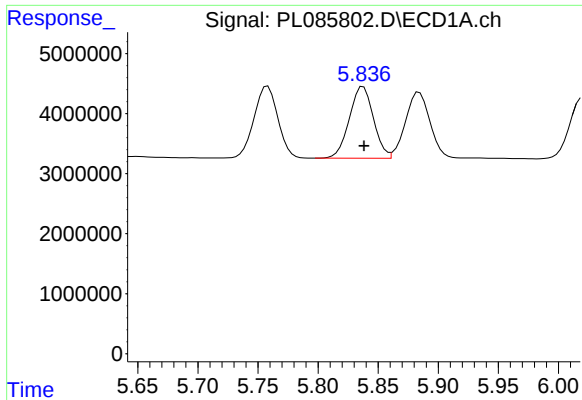
#10 gamma-Chlordane

R.T.: 5.757 min  
Delta R.T.: -0.002 min  
Response: 16583787  
Conc: 4.85 ng/ml m



#10 gamma-Chlordane

R.T.: 4.817 min  
Delta R.T.: -0.002 min  
Response: 4804622  
Conc: 4.85 ng/ml m



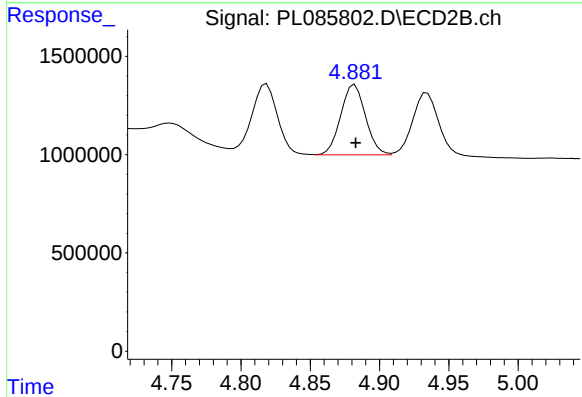
#11 alpha-Chlordane

R.T.: 5.836 min  
Delta R.T.: -0.002 min  
Response: 16655350  
Conc: 4.87 ng/ml

Instrument :  
ECD\_L  
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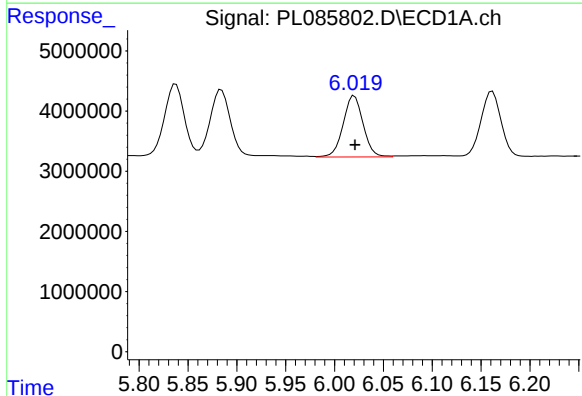
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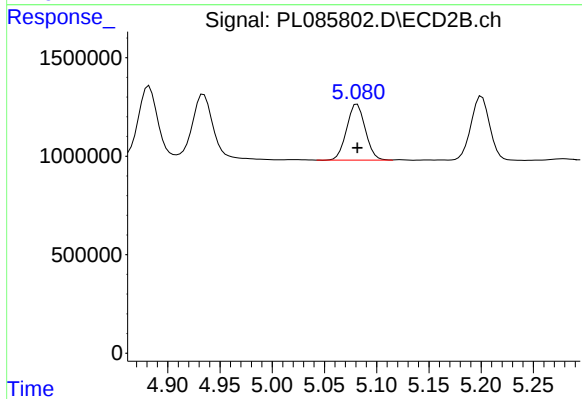
#11 alpha-Chlordane

R.T.: 4.881 min  
Delta R.T.: -0.002 min  
Response: 4475474  
Conc: 4.10 ng/ml m



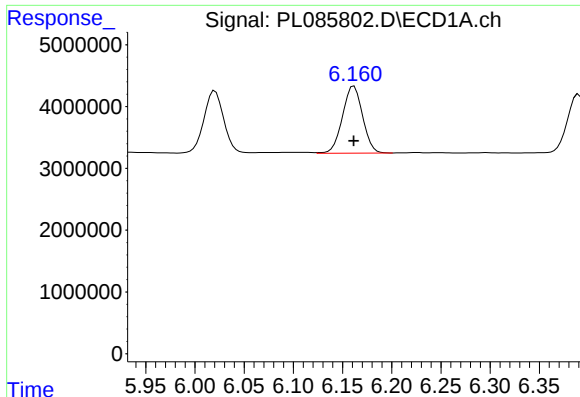
#12 4,4'-DDE

R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 14485452  
Conc: 5.18 ng/ml



#12 4,4'-DDE

R.T.: 5.081 min  
Delta R.T.: 0.000 min  
Response: 3533085  
Conc: 4.30 ng/ml



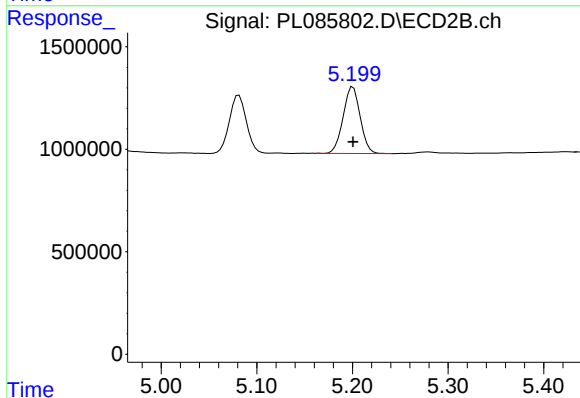
#13 Dieldrin

R.T.: 6.162 min  
Delta R.T.: 0.000 min  
Response: 15189072  
Conc: 4.62 ng/ml

Instrument :  
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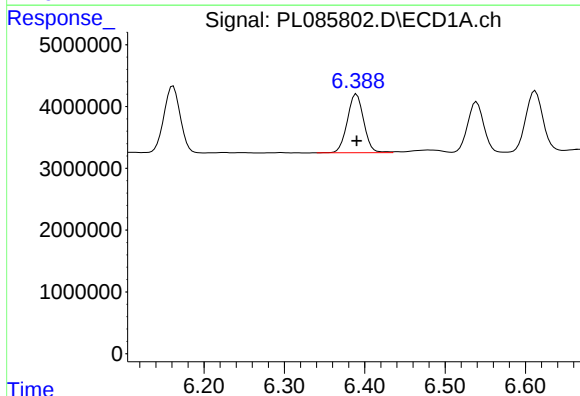
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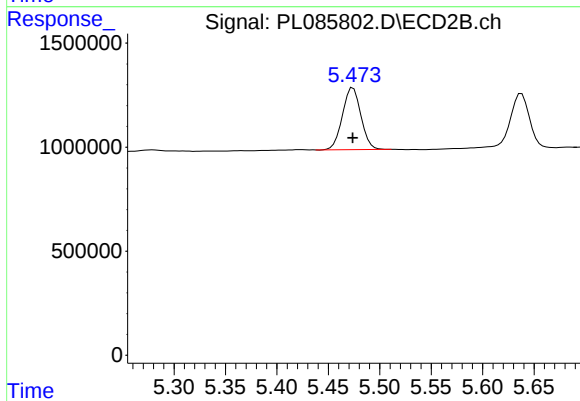
#13 Dieldrin

R.T.: 5.201 min  
Delta R.T.: 0.000 min  
Response: 4037757  
Conc: 4.16 ng/ml



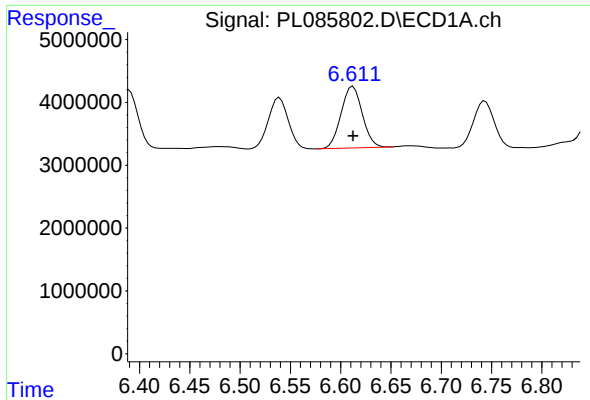
#14 Endrin

R.T.: 6.390 min  
Delta R.T.: 0.000 min  
Response: 13450141  
Conc: 4.72 ng/ml



#14 Endrin

R.T.: 5.474 min  
Delta R.T.: 0.000 min  
Response: 3718652  
Conc: 4.14 ng/ml



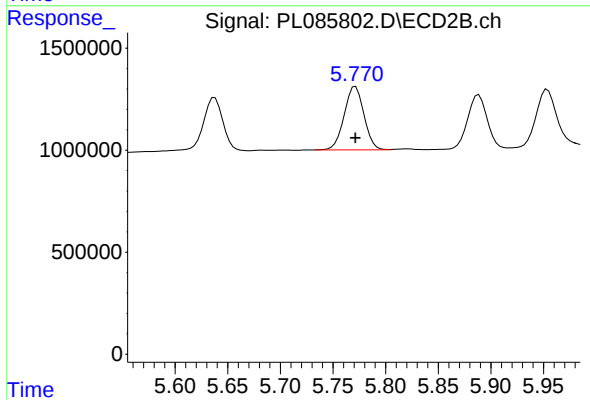
#15 Endosulfan II

R.T.: 6.612 min  
Delta R.T.: 0.000 min  
Response: 14363956  
Conc: 5.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

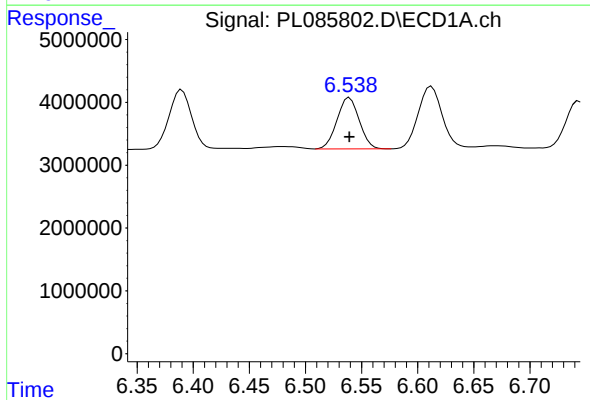
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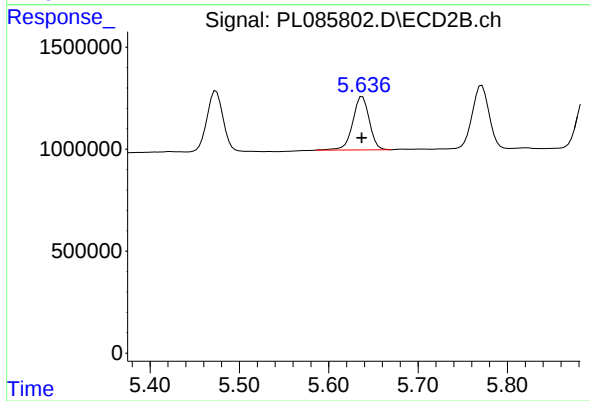
#15 Endosulfan II

R.T.: 5.771 min  
Delta R.T.: 0.000 min  
Response: 4068661  
Conc: 4.28 ng/ml



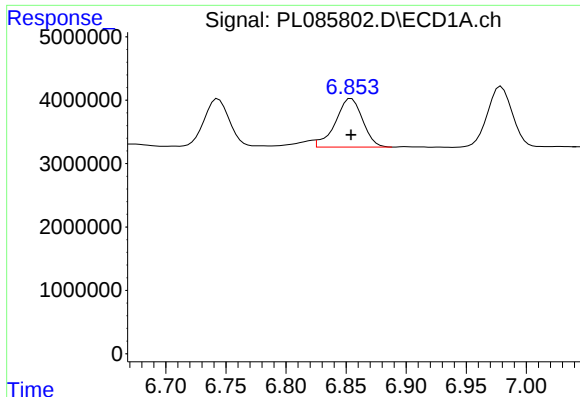
#16 4,4'-DDD

R.T.: 6.539 min  
Delta R.T.: 0.000 min  
Response: 11283142  
Conc: 5.60 ng/ml



#16 4,4'-DDD

R.T.: 5.638 min  
Delta R.T.: 0.000 min  
Response: 3392250  
Conc: 4.87 ng/ml



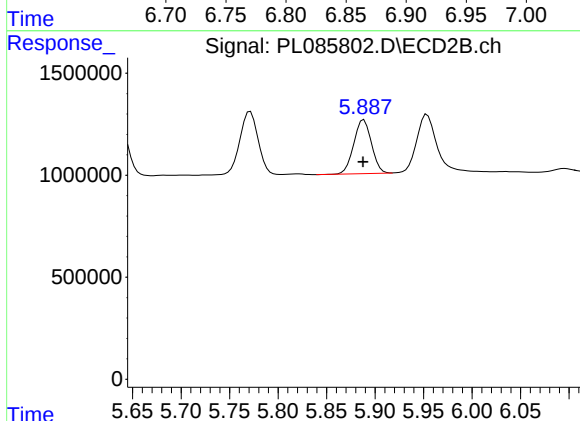
#17 4,4'-DDT

R.T.: 6.853 min  
Delta R.T.: -0.001 min  
Response: 12016831  
Conc: 5.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

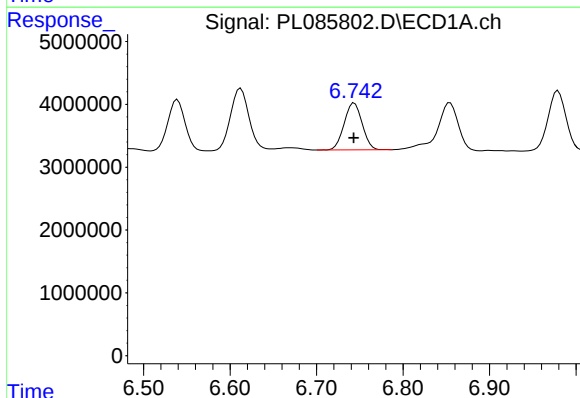
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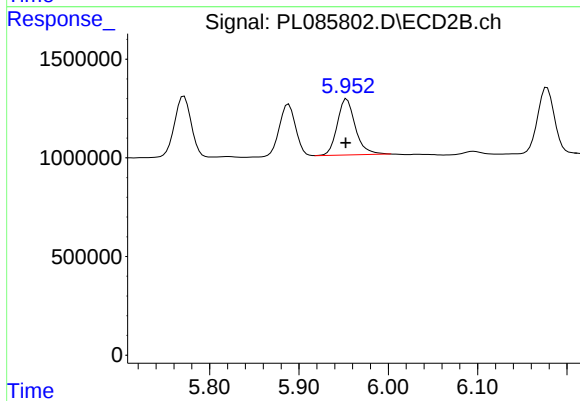
#17 4,4'-DDT

R.T.: 5.888 min  
Delta R.T.: 0.000 min  
Response: 3347681  
Conc: 4.23 ng/ml



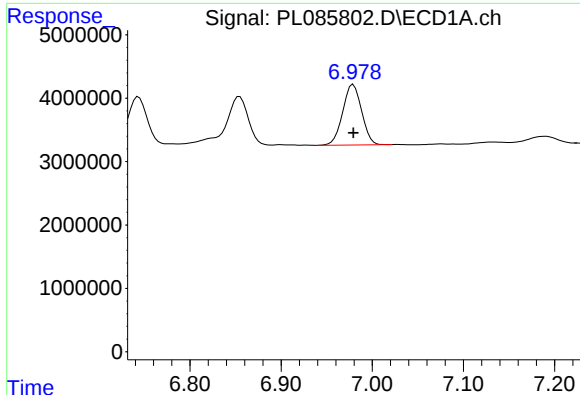
#18 Endrin aldehyde

R.T.: 6.744 min  
Delta R.T.: 0.000 min  
Response: 10749564  
Conc: 5.30 ng/ml



#18 Endrin aldehyde

R.T.: 5.954 min  
Delta R.T.: 0.001 min  
Response: 4011529  
Conc: 5.38 ng/ml



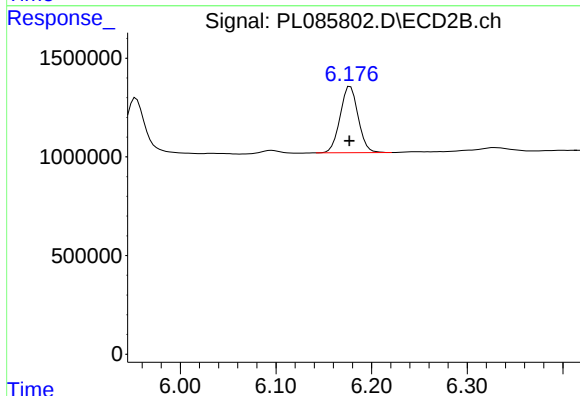
#19 Endosulfan Sulfate

R.T.: 6.979 min  
Delta R.T.: 0.000 min  
Response: 13723187  
Conc: 5.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

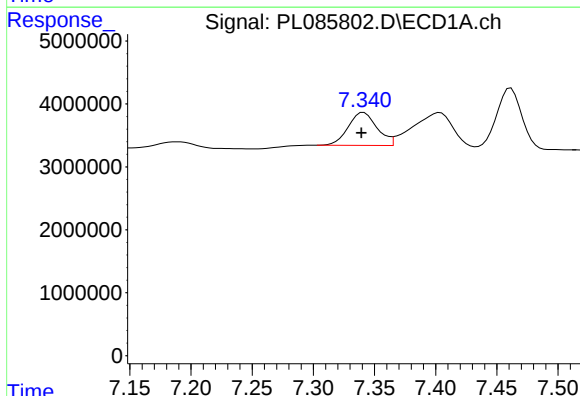
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Supervised By :Ankita Jodhani 10/11/2023



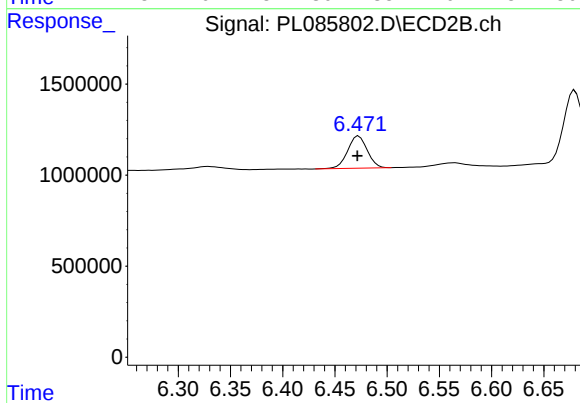
#19 Endosulfan Sulfate

R.T.: 6.178 min  
Delta R.T.: 0.000 min  
Response: 4398425  
Conc: 4.88 ng/ml



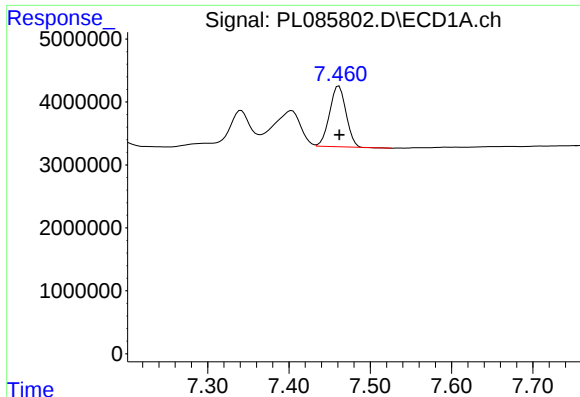
#20 Methoxychlor

R.T.: 7.340 min  
Delta R.T.: 0.000 min  
Response: 8890183  
Conc: 6.37 ng/ml m



#20 Methoxychlor

R.T.: 6.473 min  
Delta R.T.: 0.001 min  
Response: 2316156  
Conc: 4.40 ng/ml



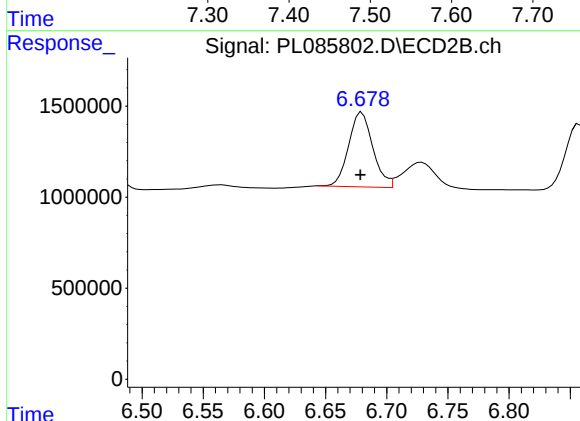
#21 Endrin ketone

R.T.: 7.461 min  
Delta R.T.: 0.000 min  
Response: 13635327  
Conc: 4.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

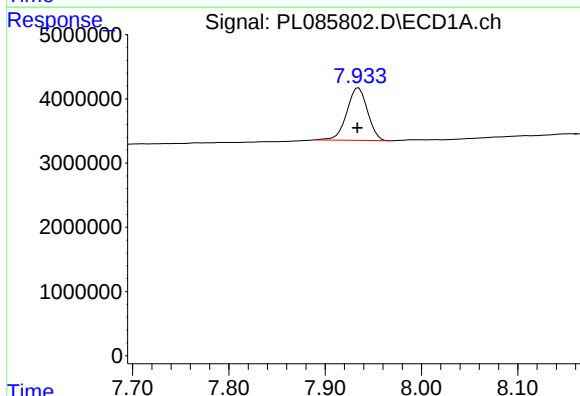
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/10/2023  
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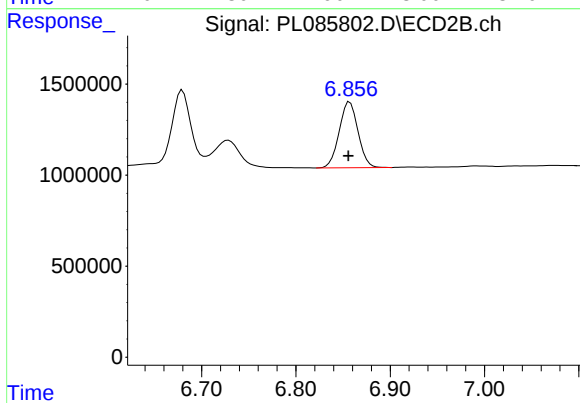
#21 Endrin ketone

R.T.: 6.680 min  
Delta R.T.: 0.001 min  
Response: 5649404  
Conc: 4.92 ng/ml



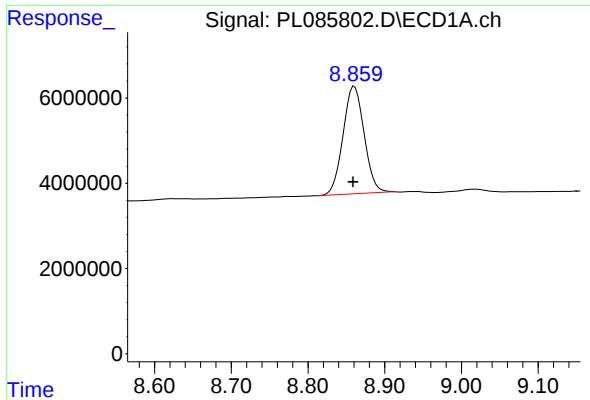
#22 Mirex

R.T.: 7.935 min  
Delta R.T.: 0.001 min  
Response: 12156017  
Conc: 5.49 ng/ml



#22 Mirex

R.T.: 6.857 min  
Delta R.T.: 0.001 min  
Response: 5016593  
Conc: 5.32 ng/ml



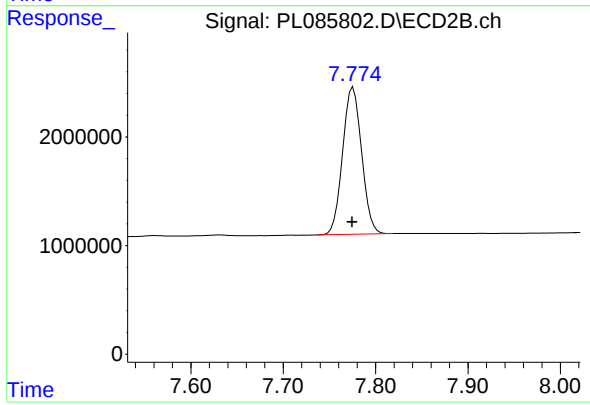
#28 Decachlorobiphenyl

R.T.: 8.860 min  
Delta R.T.: 0.002 min  
Response: 48468980  
Conc: 22.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT4-2023

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 7.776 min  
Delta R.T.: 0.001 min  
Response: 19338536  
Conc: 20.95 ng/ml