

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL121923\  
 Data File : PL087254.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 Dec 2023 14:43  
 Operator : AR\AJ  
 Sample : 05884-03MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SOIL-COMP-2MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 12/20/2023  
 Supervised By : Ankita Jodhani 12/20/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 19 23:48:12 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL121523.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Dec 16 04:03:23 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... | 3.424 | 2.680 | 43794158 | 21434969 | 11.637  | 12.734  |
| 28)                         | SA Decachlor... | 8.984 | 7.872 | 46433331 | 20074578 | 13.617  | 11.886  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.879 | 3.184 | 169.8E6  | 67351083 | 31.354m | 27.405  |
| 3)                          | MA gamma-BHC... | 4.214 | 3.515 | 163.9E6  | 71304547 | 31.184  | 29.435  |
| 4)                          | MA Heptachlor   | 4.807 | 3.858 | 170.1E6  | 73993247 | 31.942  | 30.956  |
| 5)                          | MB Aldrin       | 5.150 | 4.139 | 168.8E6  | 70410679 | 32.419  | 29.365  |
| 6)                          | B beta-BHC      | 4.414 | 3.817 | 70899037 | 31707366 | 30.869  | 30.459  |
| 7)                          | B delta-BHC     | 4.658 | 4.046 | 154.8E6  | 71220399 | 29.604m | 29.115  |
| 8)                          | B Heptachlo...  | 5.581 | 4.646 | 154.9E6  | 68100560 | 32.872  | 30.603  |
| 9)                          | A Endosulfan I  | 5.968 | 5.018 | 155.8E6  | 64281503 | 34.892  | 29.744  |
| 10)                         | B gamma-Chl...  | 5.839 | 4.900 | 167.3E6  | 70761663 | 34.503  | 30.936  |
| 11)                         | B alpha-Chl...  | 5.919 | 4.965 | 164.2E6  | 69099199 | 34.163  | 29.939  |
| 12)                         | B 4,4'-DDE      | 6.100 | 5.162 | 139.4E6  | 60244232 | 33.642  | 30.342  |
| 13)                         | MA Dieldrin     | 6.245 | 5.285 | 154.4E6  | 66533494 | 33.273  | 29.866  |
| 14)                         | MA Endrin       | 6.475 | 5.561 | 131.2E6  | 61546904 | 34.088  | 30.841  |
| 15)                         | B Endosulfa...  | 6.697 | 5.858 | 125.7E6  | 55822232 | 31.331  | 28.671  |
| 16)                         | A 4,4'-DDD      | 6.621 | 5.721 | 107.0E6  | 50127101 | 32.371  | 30.275  |
| 17)                         | MA 4,4'-DDT     | 6.938 | 5.974 | 124.6E6  | 56813584 | 33.144  | 30.804  |
| 18)                         | B Endrin al...  | 6.826 | 6.040 | 93460741 | 42967599 | 32.246m | 29.277  |
| 19)                         | B Endosulfa...  | 7.065 | 6.264 | 124.5E6  | 58593063 | 31.698  | 31.103m |
| 20)                         | A Methoxychlor  | 7.423 | 6.560 | 64014895 | 30942774 | 32.829  | 30.295  |
| 21)                         | B Endrin ke...  | 7.551 | 6.772 | 124.3E6  | 64795900 | 30.563  | 30.439  |
| 22)                         | Mirex           | 8.028 | 6.954 | 103.3E6  | 50214390 | 30.677  | 28.224  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL121923\  
Data File : PL087254.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 Dec 2023 14:43  
Operator : AR\AJ  
Sample : 05884-03MSD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

SOIL-COMP-2MSD

## Manual Integrations

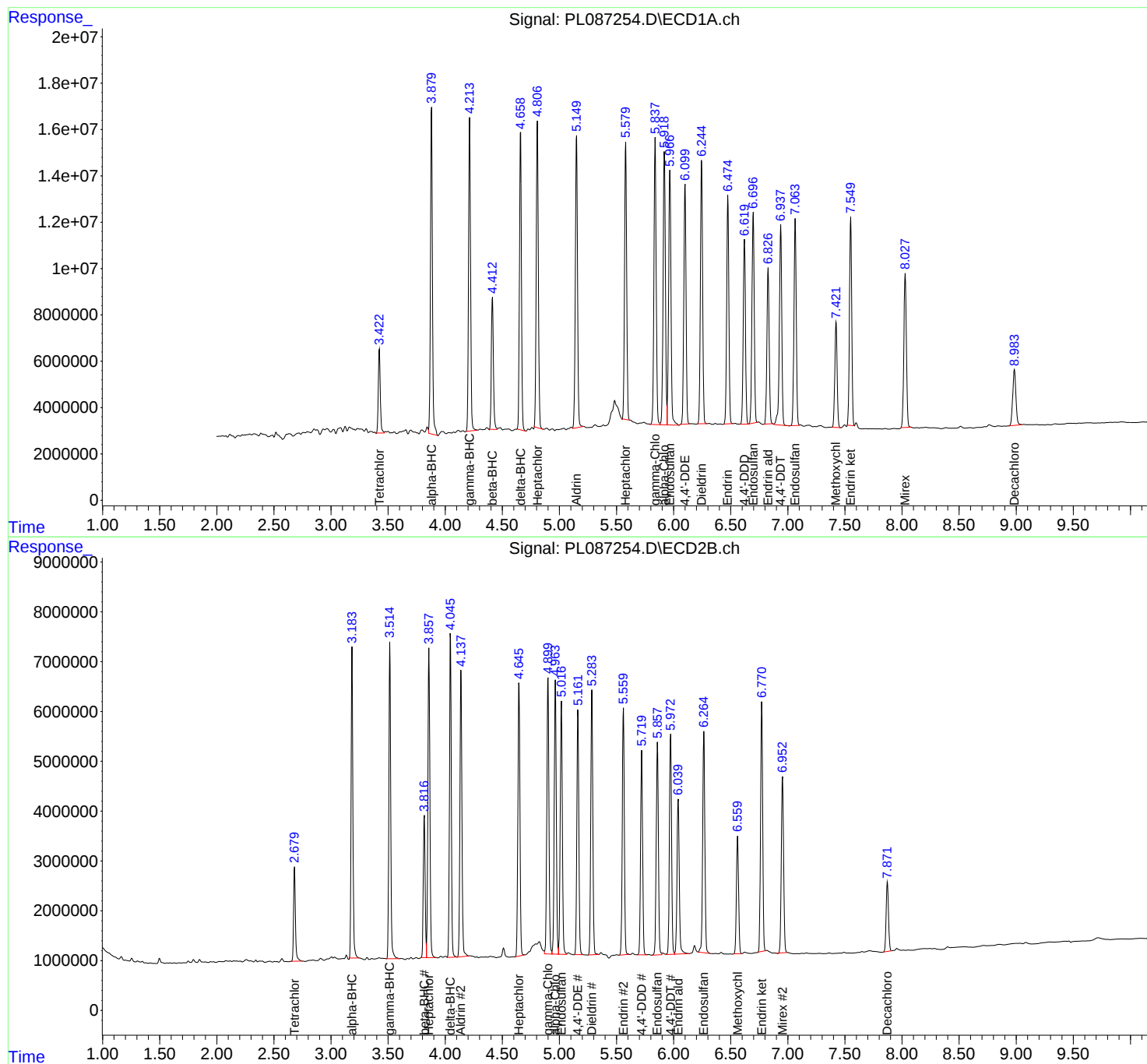
## APPROVED

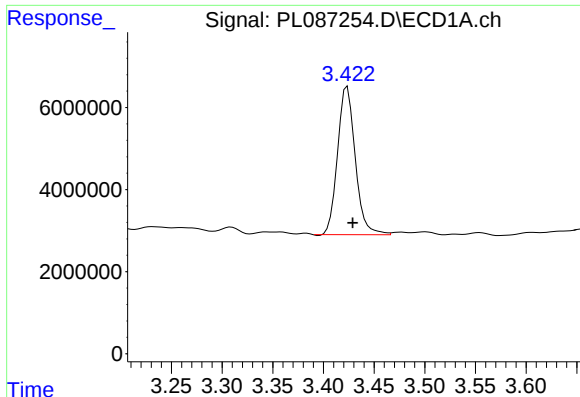
Reviewed By :Abdul Mirza 12/20/2023

Supervised By :Ankita Jodhani 12/20/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 19 23:48:12 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL121523.M  
Quant Title : GC Extractables  
QLast Update : Sat Dec 16 04:03:23 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





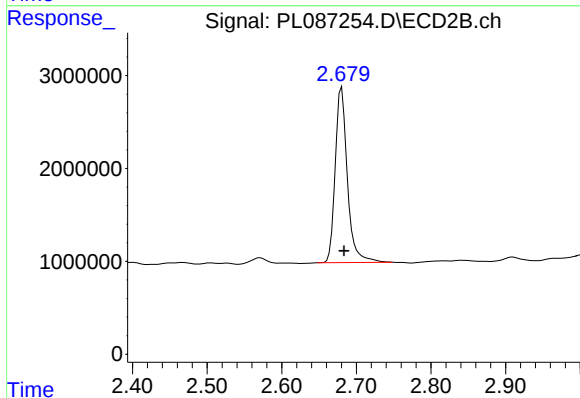
#1 Tetrachloro-m-xylene

R.T.: 3.424 min  
Delta R.T.: -0.005 min  
Response: 43794158  
Conc: 11.64 ng/ml

Instrument :  
ECD\_L  
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SOIL-COMP-2MSD

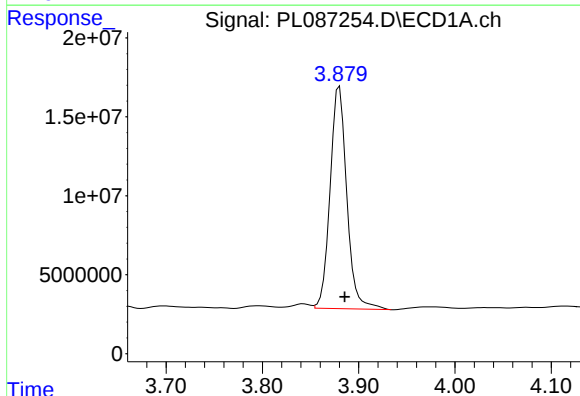
Manual Integrations  
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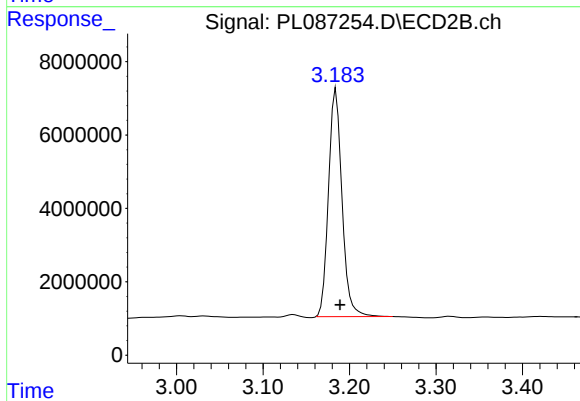
#1 Tetrachloro-m-xylene

R.T.: 2.680 min  
Delta R.T.: -0.003 min  
Response: 21434969  
Conc: 12.73 ng/ml



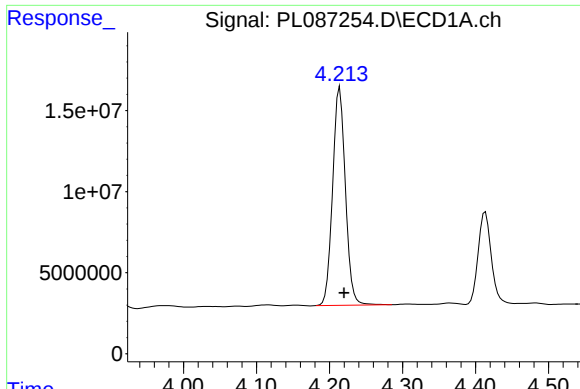
#2 alpha-BHC

R.T.: 3.879 min  
Delta R.T.: -0.007 min  
Response: 169752577  
Conc: 31.35 ng/ml m



#2 alpha-BHC

R.T.: 3.184 min  
Delta R.T.: -0.004 min  
Response: 67351083  
Conc: 27.41 ng/ml



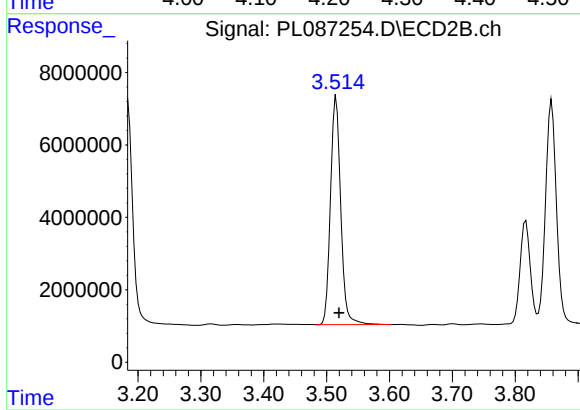
#3 gamma-BHC (Lindane)

R.T.: 4.214 min  
Delta R.T.: -0.006 min  
Response: 163891730  
Conc: 31.18 ng/ml

Instrument :  
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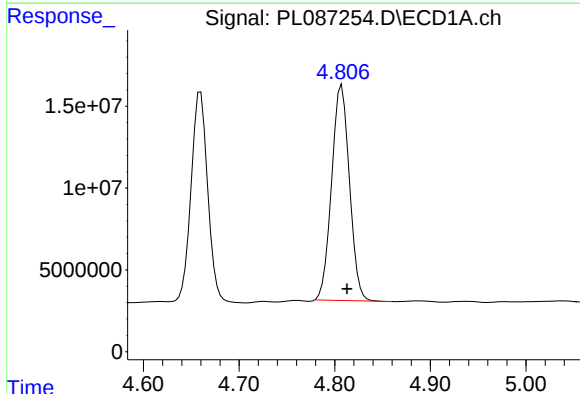
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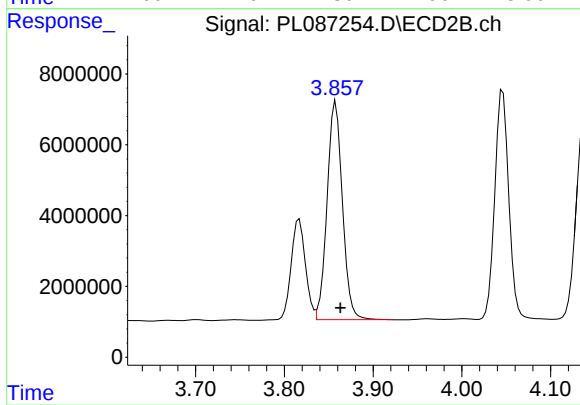
#3 gamma-BHC (Lindane)

R.T.: 3.515 min  
Delta R.T.: -0.005 min  
Response: 71304547  
Conc: 29.44 ng/ml



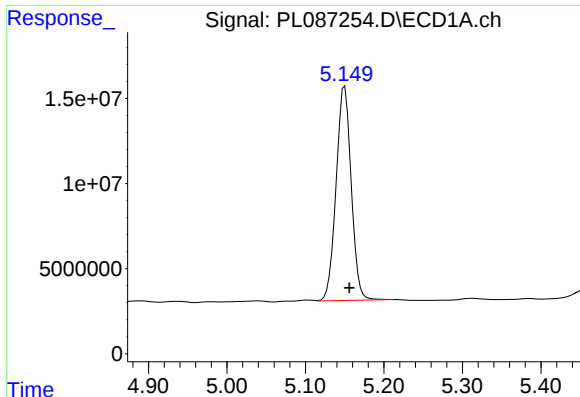
#4 Heptachlor

R.T.: 4.807 min  
Delta R.T.: -0.005 min  
Response: 170140932  
Conc: 31.94 ng/ml



#4 Heptachlor

R.T.: 3.858 min  
Delta R.T.: -0.005 min  
Response: 73993247  
Conc: 30.96 ng/ml



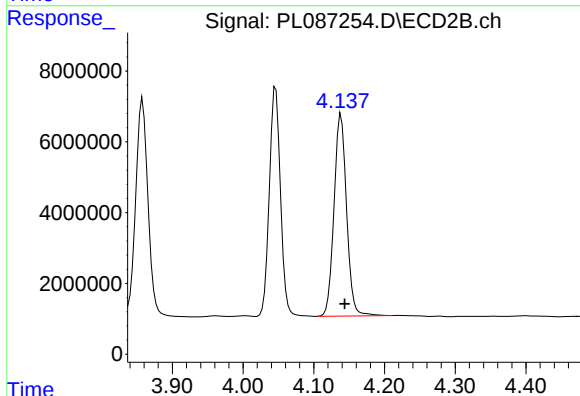
#5 Aldrin

R.T.: 5.150 min  
Delta R.T.: -0.006 min  
Response: 168787750  
Conc: 32.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-COMP-2MSD

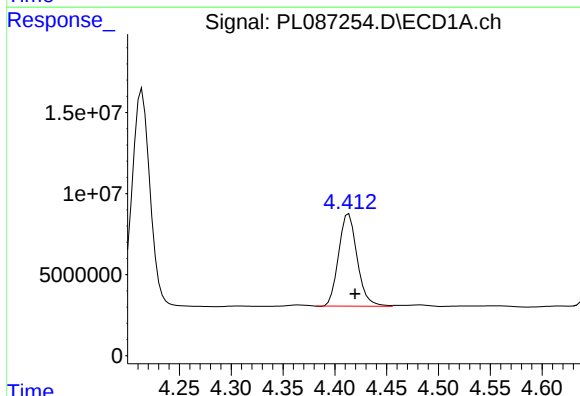
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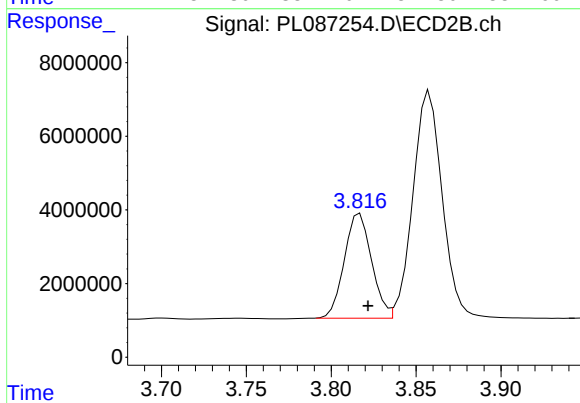
#5 Aldrin

R.T.: 4.139 min  
Delta R.T.: -0.005 min  
Response: 70410679  
Conc: 29.37 ng/ml



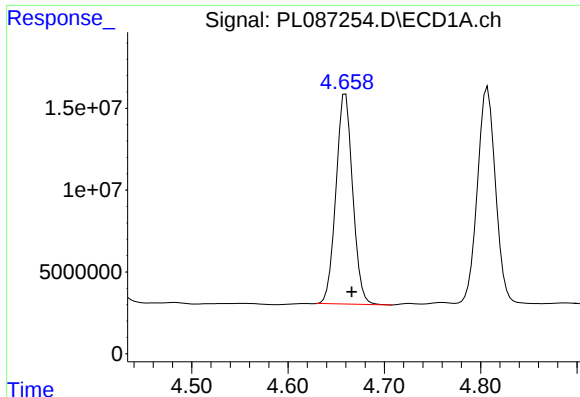
#6 beta-BHC

R.T.: 4.414 min  
Delta R.T.: -0.006 min  
Response: 70899037  
Conc: 30.87 ng/ml



#6 beta-BHC

R.T.: 3.817 min  
Delta R.T.: -0.005 min  
Response: 31707366  
Conc: 30.46 ng/ml



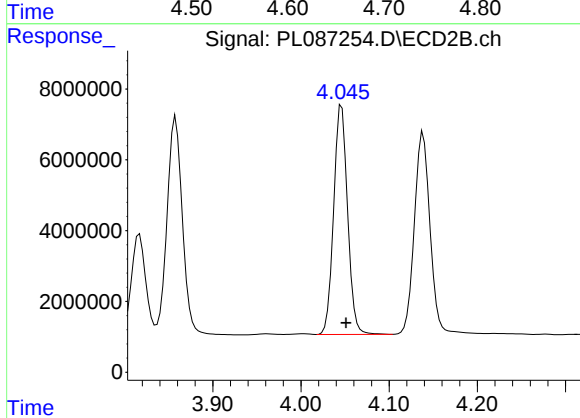
#7 delta-BHC

R.T.: 4.658 min  
Delta R.T.: -0.008 min  
Response: 154811979  
Conc: 29.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-COMP-2MSD

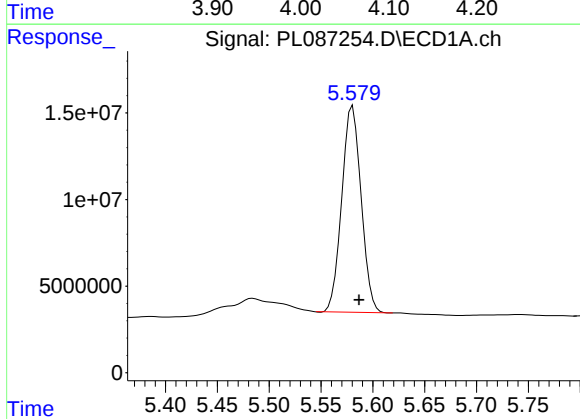
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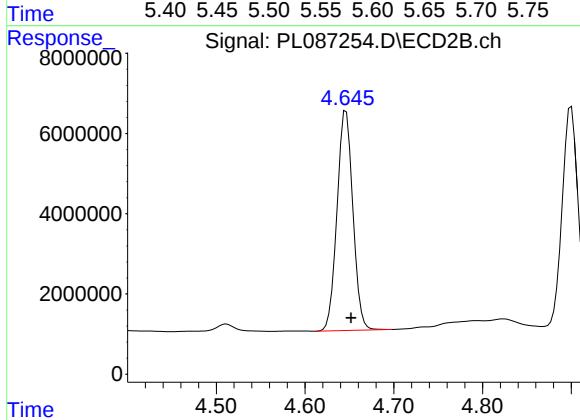
#7 delta-BHC

R.T.: 4.046 min  
Delta R.T.: -0.005 min  
Response: 71220399  
Conc: 29.11 ng/ml



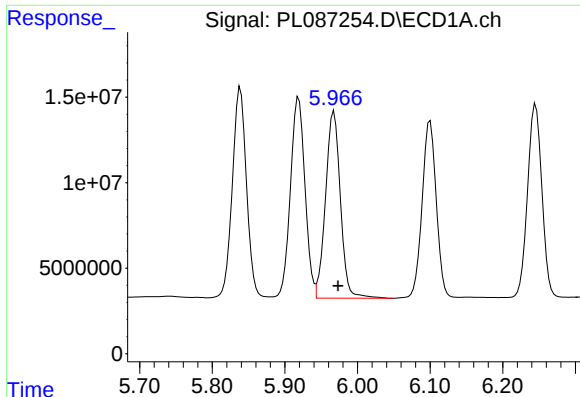
#8 Heptachlor epoxide

R.T.: 5.581 min  
Delta R.T.: -0.006 min  
Response: 154919256  
Conc: 32.87 ng/ml



#8 Heptachlor epoxide

R.T.: 4.646 min  
Delta R.T.: -0.006 min  
Response: 68100560  
Conc: 30.60 ng/ml



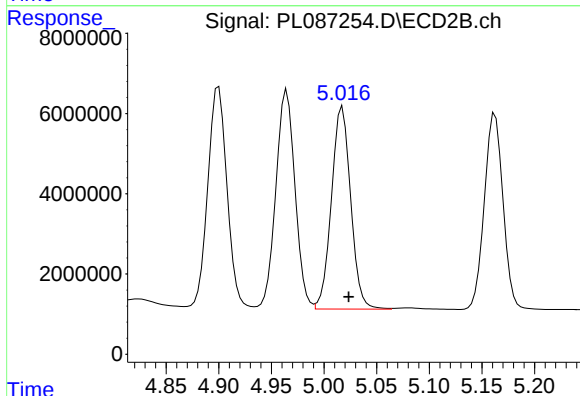
#9 Endosulfan I

R.T.: 5.968 min  
Delta R.T.: -0.006 min  
Response: 155837276  
Conc: 34.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-COMP-2MSD

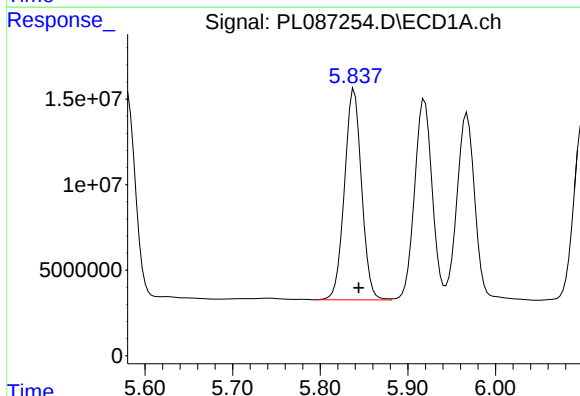
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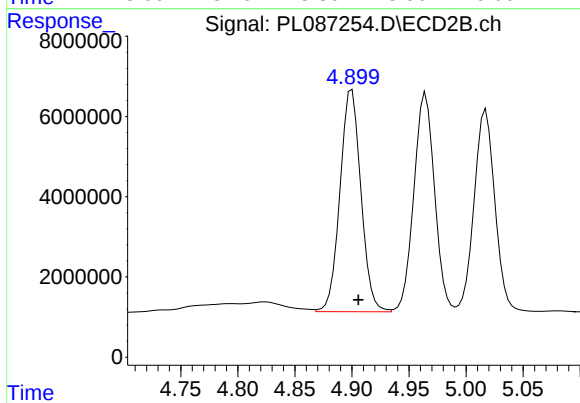
#9 Endosulfan I

R.T.: 5.018 min  
Delta R.T.: -0.006 min  
Response: 64281503  
Conc: 29.74 ng/ml



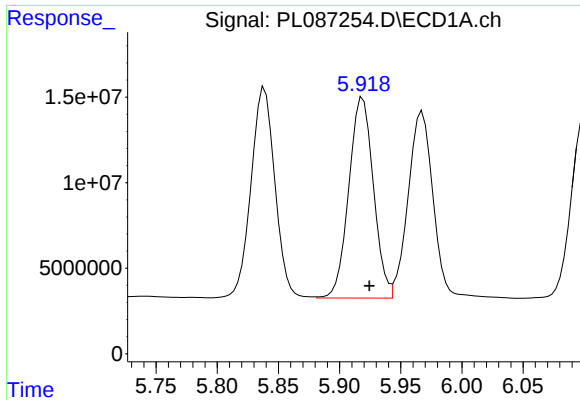
#10 gamma-Chlordane

R.T.: 5.839 min  
Delta R.T.: -0.005 min  
Response: 167272973  
Conc: 34.50 ng/ml



#10 gamma-Chlordane

R.T.: 4.900 min  
Delta R.T.: -0.006 min  
Response: 70761663  
Conc: 30.94 ng/ml



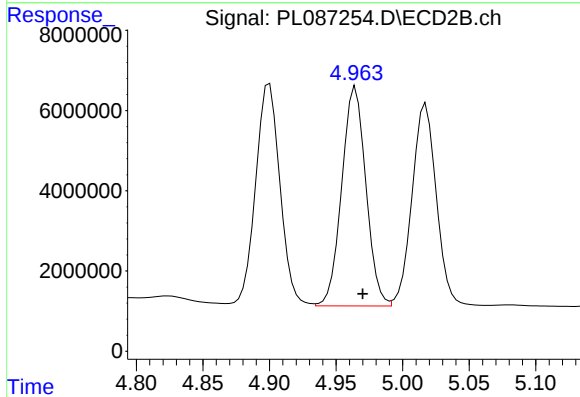
#11 alpha-Chlordane

R.T.: 5.919 min  
Delta R.T.: -0.005 min  
Response: 164191745  
Conc: 34.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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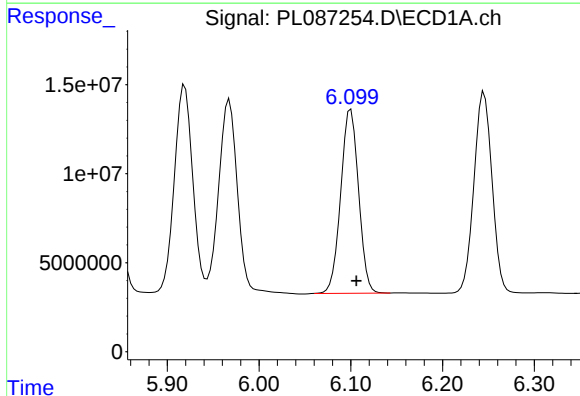
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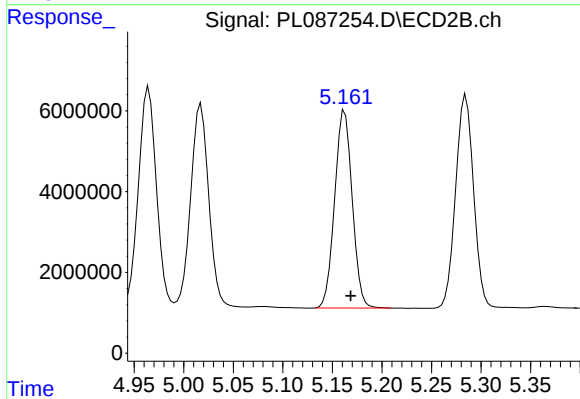
#11 alpha-Chlordane

R.T.: 4.965 min  
Delta R.T.: -0.005 min  
Response: 69099199  
Conc: 29.94 ng/ml



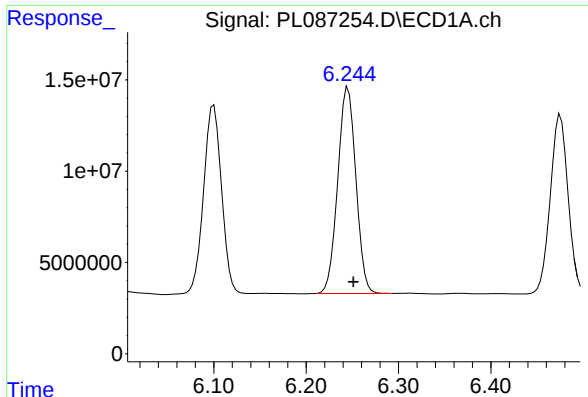
#12 4,4'-DDE

R.T.: 6.100 min  
Delta R.T.: -0.006 min  
Response: 139415212  
Conc: 33.64 ng/ml



#12 4,4'-DDE

R.T.: 5.162 min  
Delta R.T.: -0.006 min  
Response: 60244232  
Conc: 30.34 ng/ml



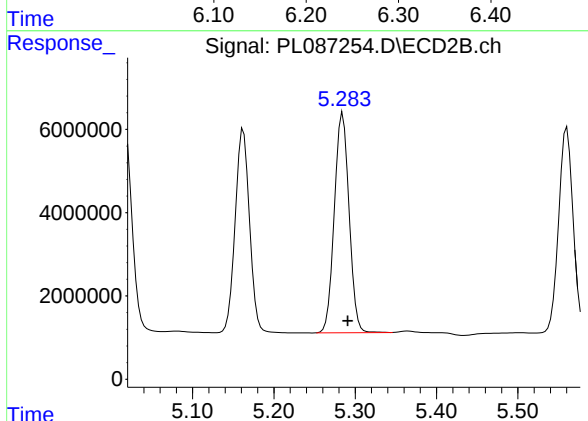
#13 Dieldrin

R.T.: 6.245 min  
Delta R.T.: -0.006 min  
Response: 154416493  
Conc: 33.27 ng/ml

Instrument :  
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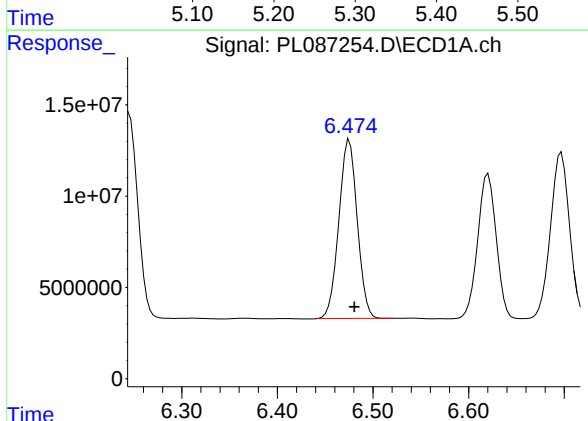
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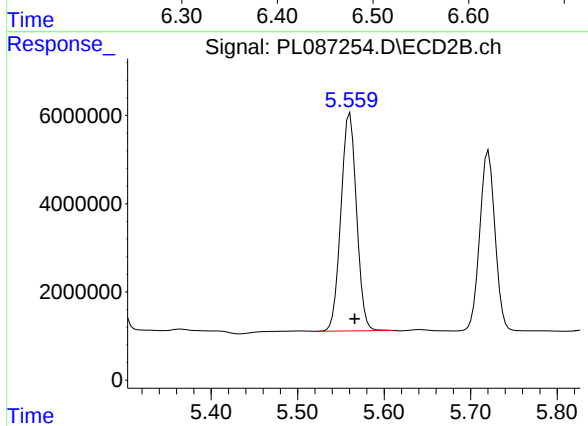
#13 Dieldrin

R.T.: 5.285 min  
Delta R.T.: -0.006 min  
Response: 66533494  
Conc: 29.87 ng/ml



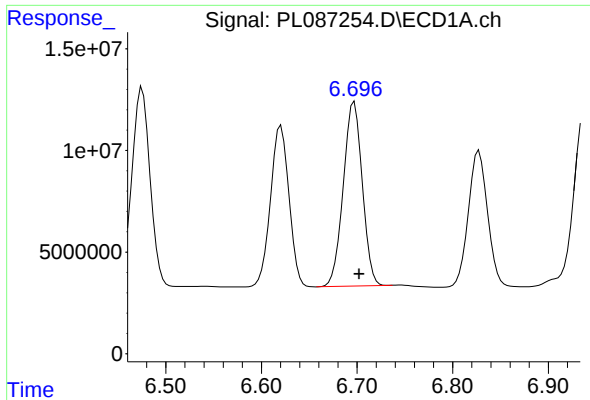
#14 Endrin

R.T.: 6.475 min  
Delta R.T.: -0.005 min  
Response: 131150307  
Conc: 34.09 ng/ml



#14 Endrin

R.T.: 5.561 min  
Delta R.T.: -0.006 min  
Response: 61546904  
Conc: 30.84 ng/ml



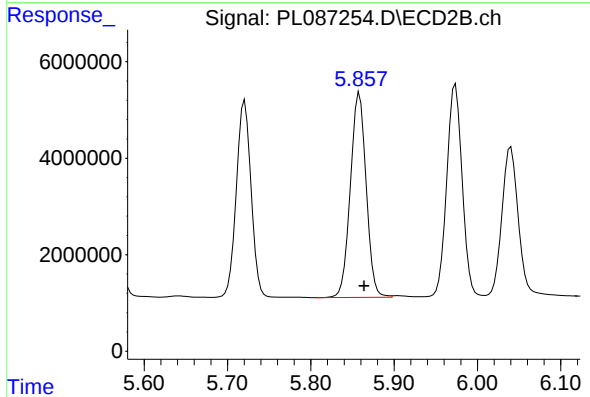
#15 Endosulfan II

R.T.: 6.697 min  
Delta R.T.: -0.005 min  
Response: 125650939  
Conc: 31.33 ng/ml

Instrument :  
ECD\_L  
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SOIL-COMP-2MSD

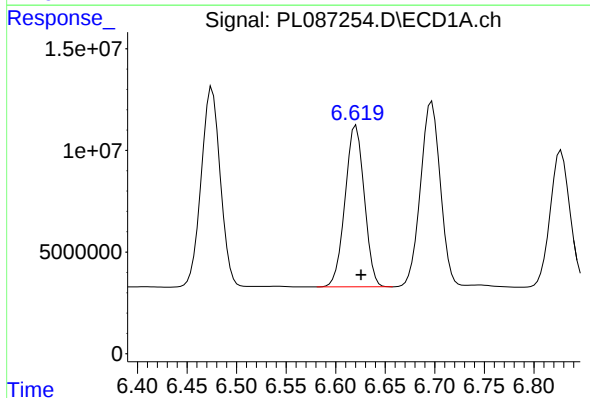
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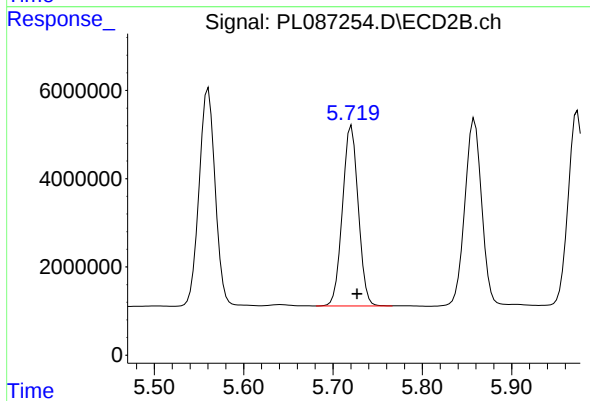
#15 Endosulfan II

R.T.: 5.858 min  
Delta R.T.: -0.005 min  
Response: 55822232  
Conc: 28.67 ng/ml



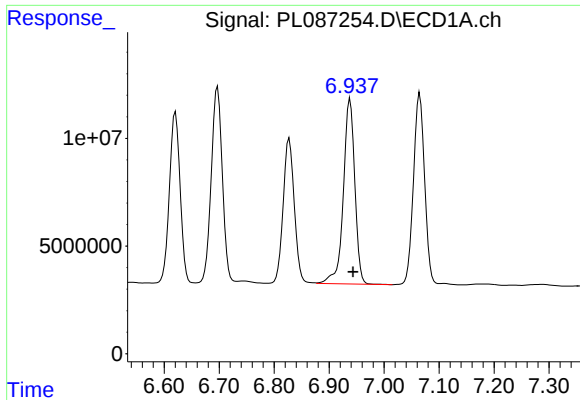
#16 4,4'-DDD

R.T.: 6.621 min  
Delta R.T.: -0.005 min  
Response: 106989354  
Conc: 32.37 ng/ml



#16 4,4'-DDD

R.T.: 5.721 min  
Delta R.T.: -0.006 min  
Response: 50127101  
Conc: 30.27 ng/ml



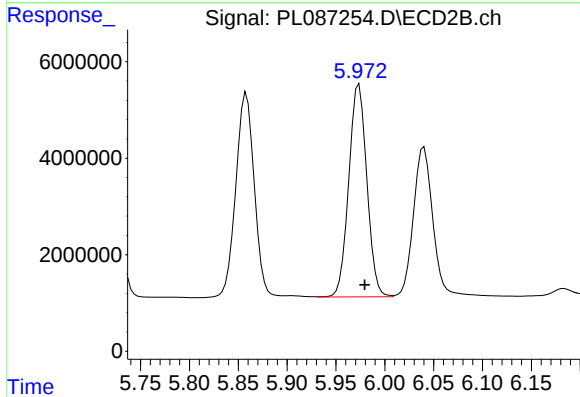
#17 4,4'-DDT

R.T.: 6.938 min  
Delta R.T.: -0.005 min  
Response: 124629576  
Conc: 33.14 ng/ml

Instrument :  
ECD\_L  
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SOIL-COMP-2MSD

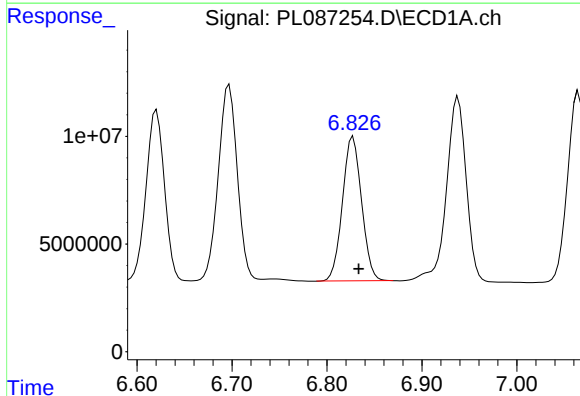
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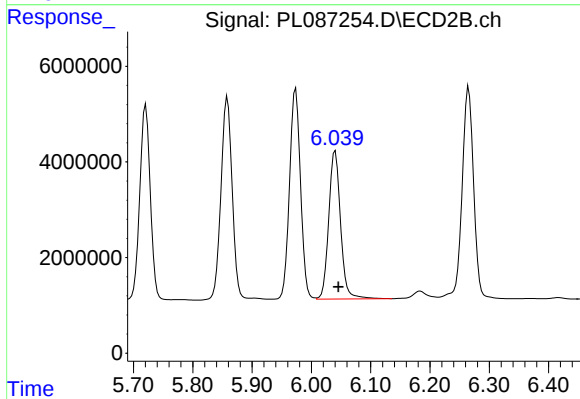
#17 4,4'-DDT

R.T.: 5.974 min  
Delta R.T.: -0.006 min  
Response: 56813584  
Conc: 30.80 ng/ml



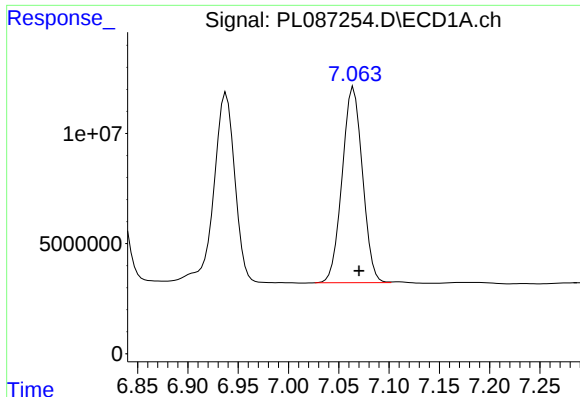
#18 Endrin aldehyde

R.T.: 6.826 min  
Delta R.T.: -0.007 min  
Response: 93460741  
Conc: 32.25 ng/ml m



#18 Endrin aldehyde

R.T.: 6.040 min  
Delta R.T.: -0.006 min  
Response: 42967599  
Conc: 29.28 ng/ml



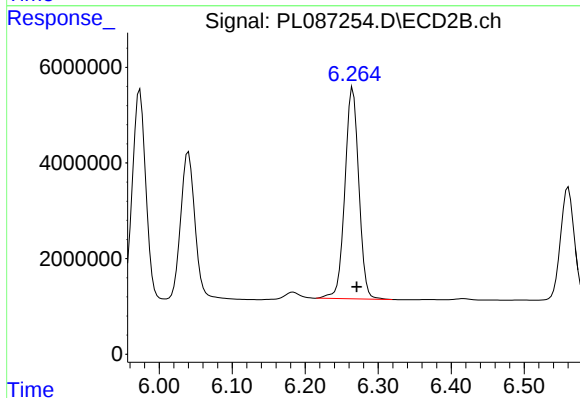
#19 Endosulfan Sulfate

R.T.: 7.065 min  
Delta R.T.: -0.006 min  
Response: 124471162  
Conc: 31.70 ng/ml

Instrument :  
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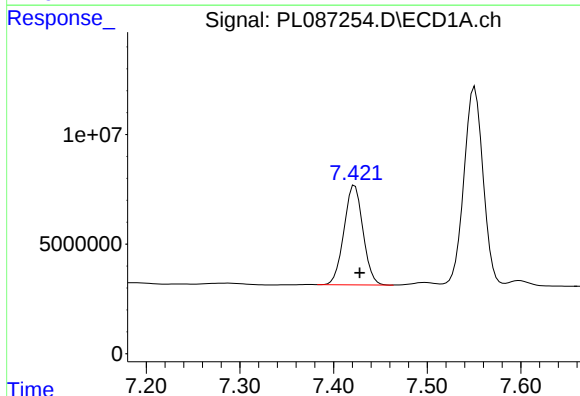
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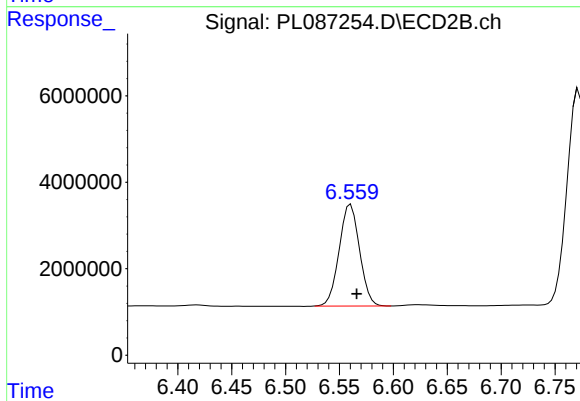
#19 Endosulfan Sulfate

R.T.: 6.264 min  
Delta R.T.: -0.007 min  
Response: 58593063  
Conc: 31.10 ng/ml m



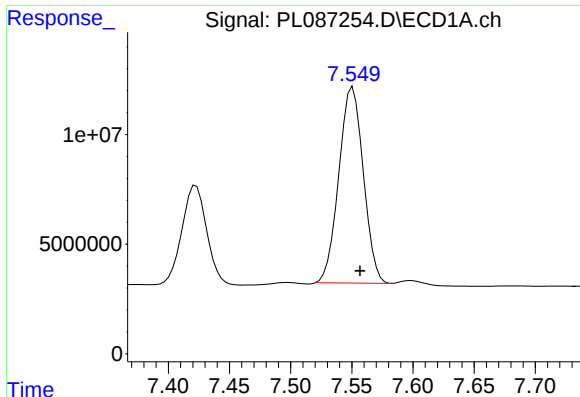
#20 Methoxychlor

R.T.: 7.423 min  
Delta R.T.: -0.005 min  
Response: 64014895  
Conc: 32.83 ng/ml



#20 Methoxychlor

R.T.: 6.560 min  
Delta R.T.: -0.006 min  
Response: 30942774  
Conc: 30.29 ng/ml



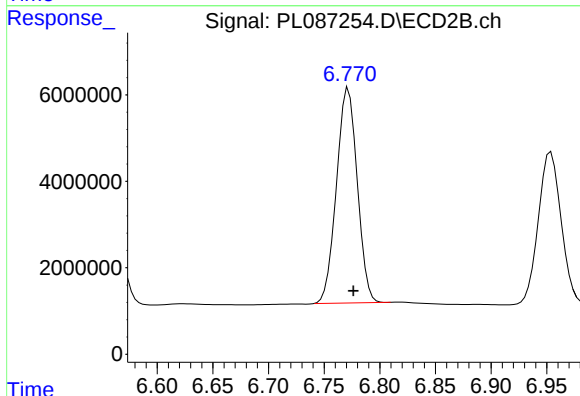
#21 Endrin ketone

R.T.: 7.551 min  
Delta R.T.: -0.006 min  
Response: 124338695  
Conc: 30.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-COMP-2MSD

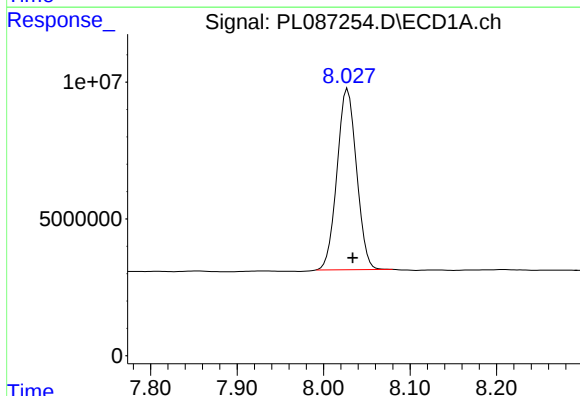
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 12/20/2023  
Supervised By :Ankita Jodhani 12/20/2023



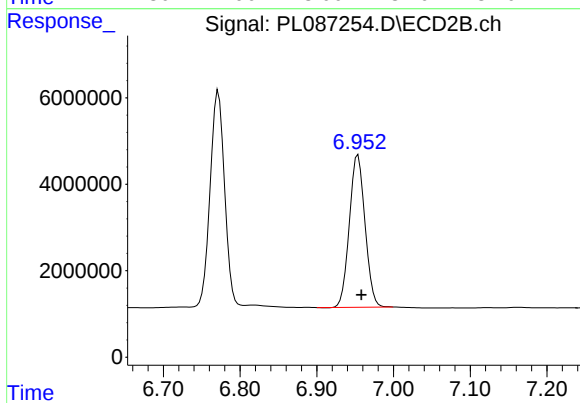
#21 Endrin ketone

R.T.: 6.772 min  
Delta R.T.: -0.004 min  
Response: 64795900  
Conc: 30.44 ng/ml



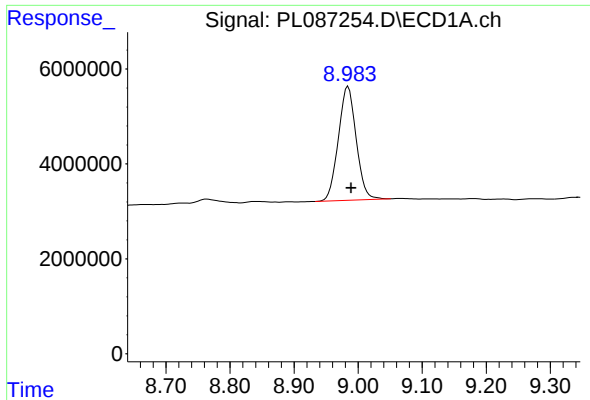
#22 Mirex

R.T.: 8.028 min  
Delta R.T.: -0.006 min  
Response: 103319753  
Conc: 30.68 ng/ml



#22 Mirex

R.T.: 6.954 min  
Delta R.T.: -0.005 min  
Response: 50214390  
Conc: 28.22 ng/ml



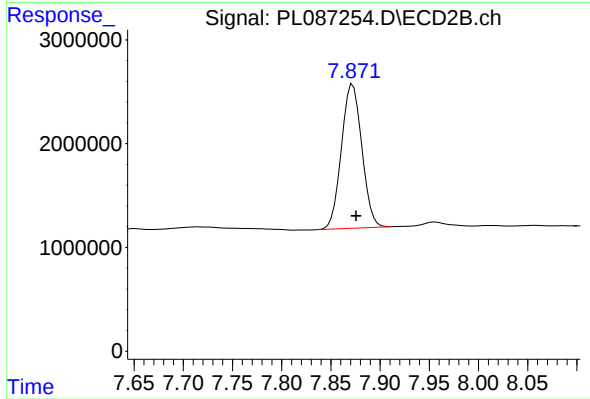
#28 Decachlorobiphenyl

R.T.: 8.984 min  
Delta R.T.: -0.005 min  
Response: 46433331  
Conc: 13.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-COMP-2MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 12/20/2023  
Supervised By :Ankita Jodhani 12/20/2023



#28 Decachlorobiphenyl

R.T.: 7.872 min  
Delta R.T.: -0.004 min  
Response: 20074578  
Conc: 11.89 ng/ml