

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040623\  
 Data File : PL081878.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Apr 2023 15:51  
 Operator : AR\AJ  
 Sample : 02213-02  
 Misc : PEST LOD 5PPB  
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 04/07/2023  
 Supervised By : Ankita Jodhani 04/07/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 06 21:31:36 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032223.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Mar 23 01:07:33 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... | 3.327 | 2.655 | 40844786 | 37954709 | 17.561 | 19.014 |
| 28)                         | SA Decachlor... | 8.746 | 7.769 | 33307334 | 39708915 | 18.611 | 20.022 |
| Target Compounds            |                 |       |       |          |          |        |        |
| 2)                          | A alpha-BHC     | 3.776 | 3.153 | 13443340 | 11973161 | 3.921  | 4.107  |
| 3)                          | MA gamma-BHC... | 4.104 | 3.481 | 13022409 | 12205906 | 4.099  | 4.384  |
| 4)                          | MA Heptachlor   | 4.683 | 3.814 | 12508490 | 12087941 | 3.968  | 4.216  |
| 5)                          | MB Aldrin       | 5.020 | 4.091 | 12519350 | 11847636 | 4.377  | 4.447  |
| 6)                          | B beta-BHC      | 4.306 | 3.778 | 7962891  | 6175838  | 5.291  | 5.185m |
| 7)                          | B delta-BHC     | 4.548 | 4.007 | 15475712 | 11033281 | 5.092  | 4.266  |
| 8)                          | B Heptachlo...  | 5.446 | 4.592 | 13195741 | 12022905 | 4.851  | 4.950  |
| 9)                          | A Endosulfan I  | 5.826 | 4.960 | 11063731 | 11079225 | 4.478  | 5.018  |
| 10)                         | B gamma-Chl...  | 5.701 | 4.841 | 12040154 | 12090613 | 4.586  | 4.975  |
| 11)                         | B alpha-Chl...  | 5.779 | 4.905 | 11879407 | 12084845 | 4.589  | 4.975  |
| 12)                         | B 4,4'-DDE      | 5.956 | 5.095 | 9831237  | 8978726  | 4.362  | 4.558  |
| 13)                         | MA Dieldrin     | 6.101 | 5.224 | 11211099 | 10915307 | 4.631  | 4.852  |
| 14)                         | MA Endrin       | 6.328 | 5.498 | 8902878  | 9289931  | 4.209  | 4.591  |
| 15)                         | B Endosulfa...  | 6.549 | 5.793 | 10039236 | 9672420  | 4.731  | 5.332m |
| 16)                         | A 4,4'-DDD      | 6.470 | 5.649 | 9205641  | 7605183  | 5.104m | 5.012  |
| 17)                         | MA 4,4'-DDT     | 6.783 | 5.898 | 7477282  | 7355037  | 3.684  | 4.268  |
| 18)                         | B Endrin al...  | 6.679 | 5.975 | 8725775  | 8634084  | 5.333  | 5.560  |
| 19)                         | B Endosulfa...  | 6.913 | 6.197 | 10018581 | 10028719 | 4.807  | 5.154  |
| 20)                         | A Methoxychlor  | 7.262 | 6.477 | 4615915  | 4768578  | 4.286  | 4.788  |
| 21)                         | B Endrin ke...  | 7.393 | 6.702 | 10362928 | 11319060 | 4.947  | 5.297  |
| 22)                         | Mirex           | 7.857 | 6.874 | 8468657  | 10346083 | 4.943  | 5.389  |
| -----                       |                 |       |       |          |          |        |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040623\  
Data File : PL081878.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Apr 2023 15:51  
Operator : AR\AJ  
Sample : 02213-02  
Misc : PEST LOD 5PPB  
ALS Vial : 18 Sample Multiplier: 1

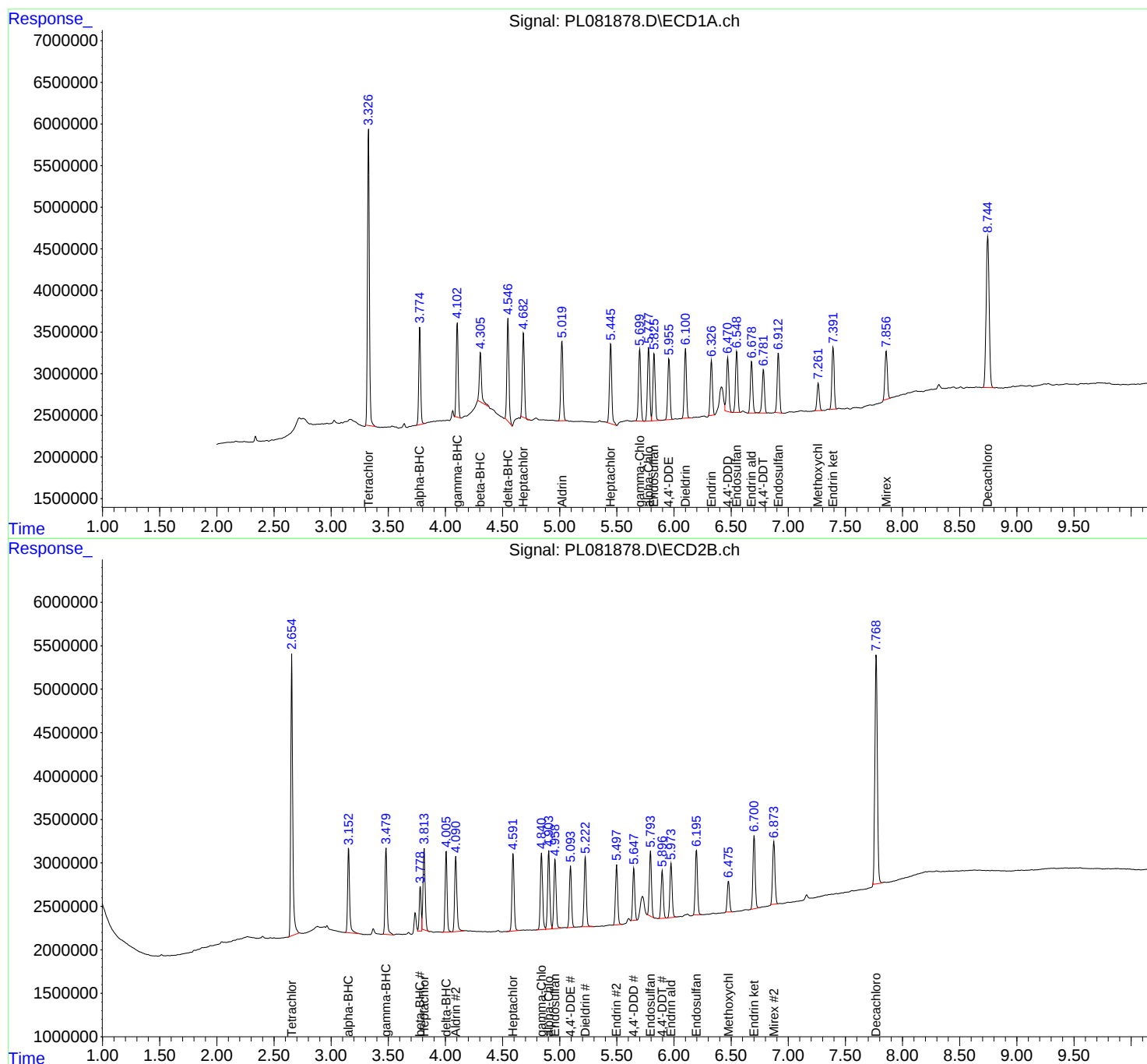
Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

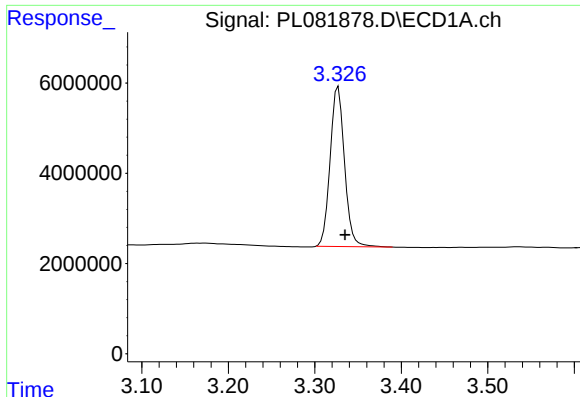
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 06 21:31:36 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032223.M  
Quant Title : GC Extractables  
QLast Update : Thu Mar 23 01:07:33 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





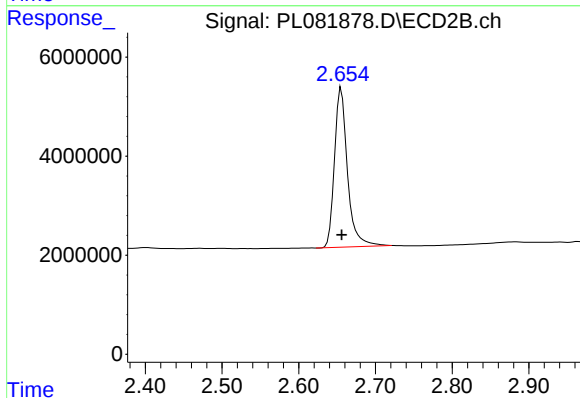
#1 Tetrachloro-m-xylene

R.T.: 3.327 min  
Delta R.T.: -0.008 min  
Response: 40844786  
Conc: 17.56 ng/ml

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

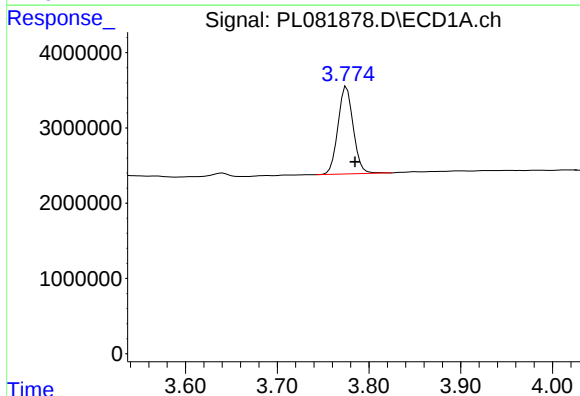
Manual Integrations  
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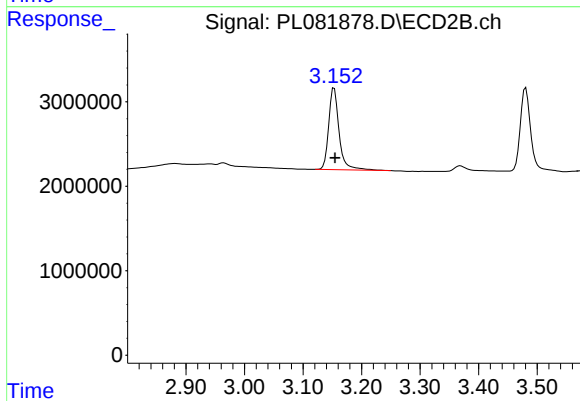
#1 Tetrachloro-m-xylene

R.T.: 2.655 min  
Delta R.T.: 0.000 min  
Response: 37954709  
Conc: 19.01 ng/ml



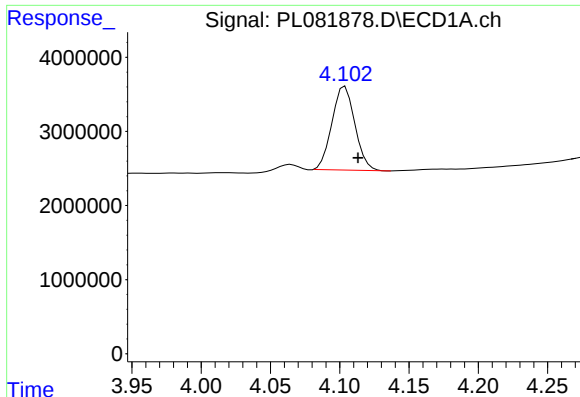
#2 alpha-BHC

R.T.: 3.776 min  
Delta R.T.: -0.009 min  
Response: 13443340  
Conc: 3.92 ng/ml



#2 alpha-BHC

R.T.: 3.153 min  
Delta R.T.: -0.002 min  
Response: 11973161  
Conc: 4.11 ng/ml



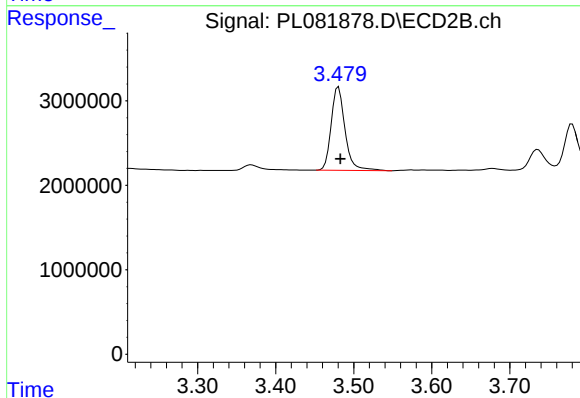
#3 gamma-BHC (Lindane)

R.T.: 4.104 min  
Delta R.T.: -0.010 min  
Response: 13022409  
Conc: 4.10 ng/ml

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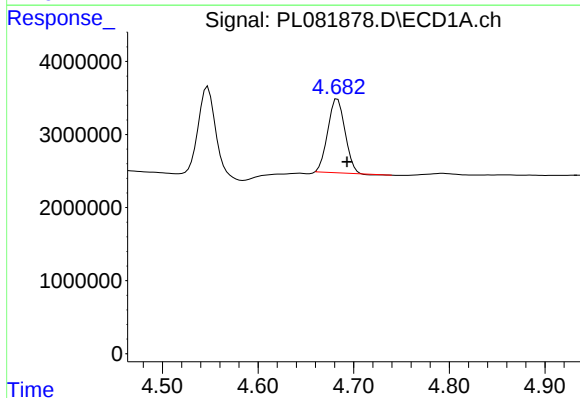
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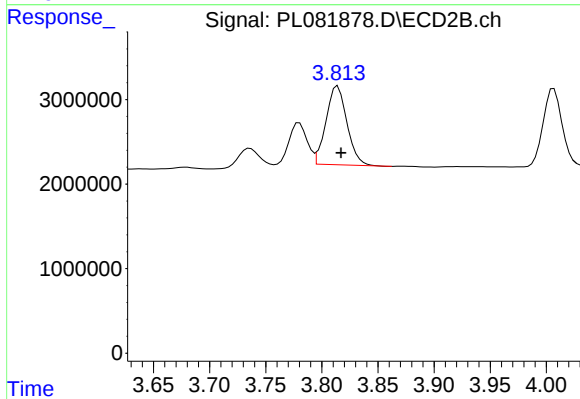
#3 gamma-BHC (Lindane)

R.T.: 3.481 min  
Delta R.T.: -0.002 min  
Response: 12205906  
Conc: 4.38 ng/ml



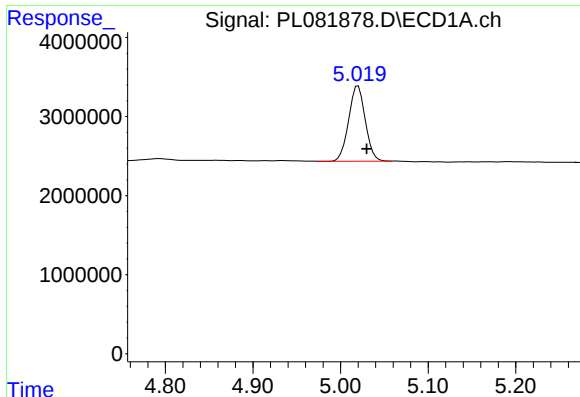
#4 Heptachlor

R.T.: 4.683 min  
Delta R.T.: -0.010 min  
Response: 12508490  
Conc: 3.97 ng/ml



#4 Heptachlor

R.T.: 3.814 min  
Delta R.T.: -0.003 min  
Response: 12087941  
Conc: 4.22 ng/ml



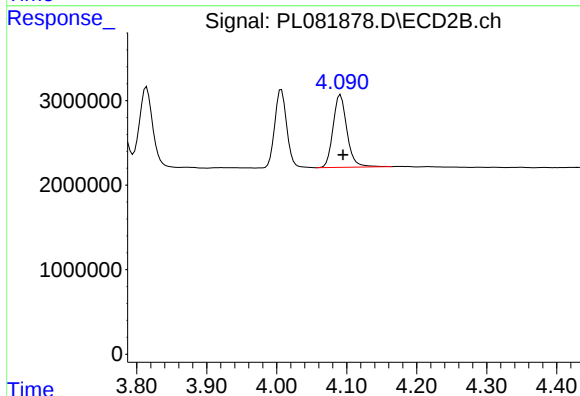
#5 Aldrin

R.T.: 5.020 min  
Delta R.T.: -0.010 min  
Response: 12519350  
Conc: 4.38 ng/ml

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

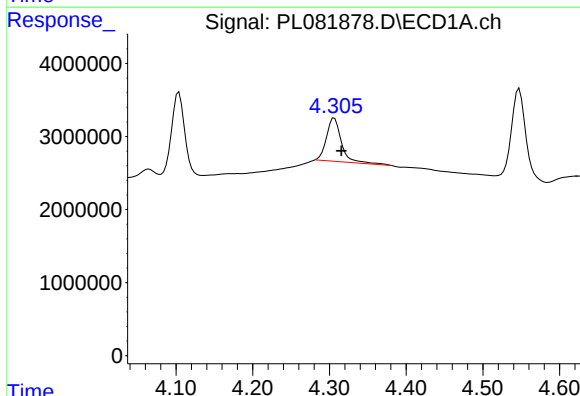
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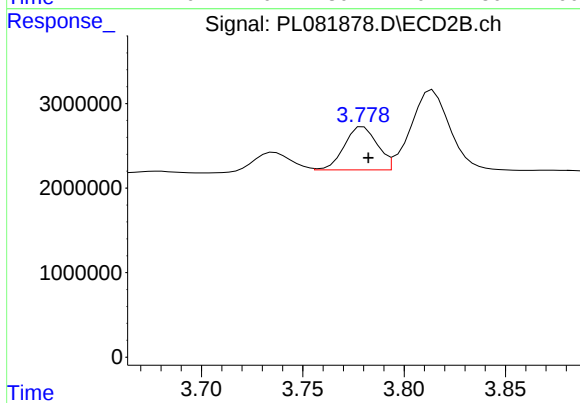
#5 Aldrin

R.T.: 4.091 min  
Delta R.T.: -0.004 min  
Response: 11847636  
Conc: 4.45 ng/ml



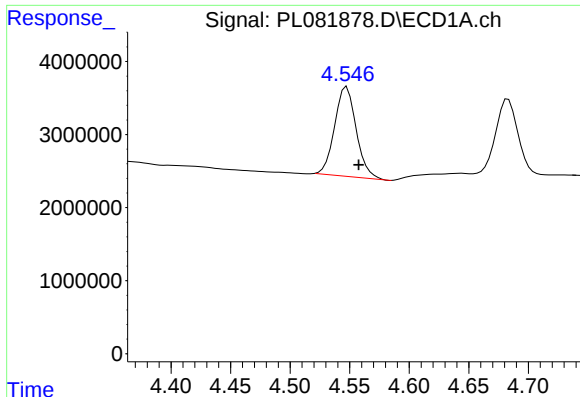
#6 beta-BHC

R.T.: 4.306 min  
Delta R.T.: -0.009 min  
Response: 7962891  
Conc: 5.29 ng/ml



#6 beta-BHC

R.T.: 3.778 min  
Delta R.T.: -0.004 min  
Response: 6175838  
Conc: 5.19 ng/ml m



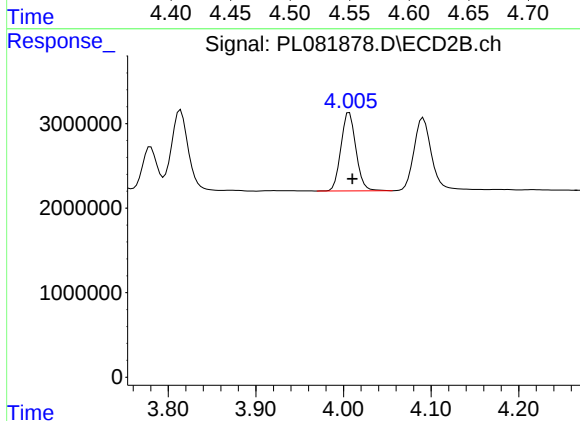
#7 delta-BHC

R.T.: 4.548 min  
Delta R.T.: -0.010 min  
Response: 15475712  
Conc: 5.09 ng/ml

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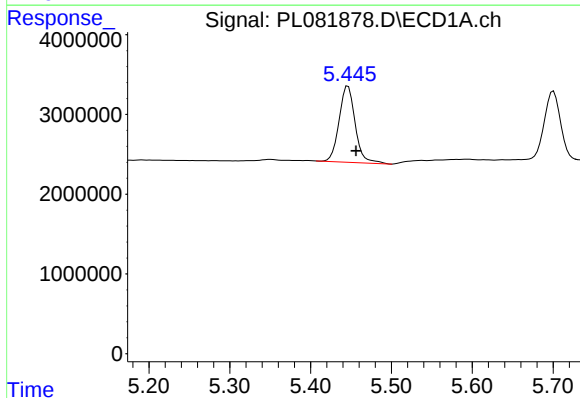
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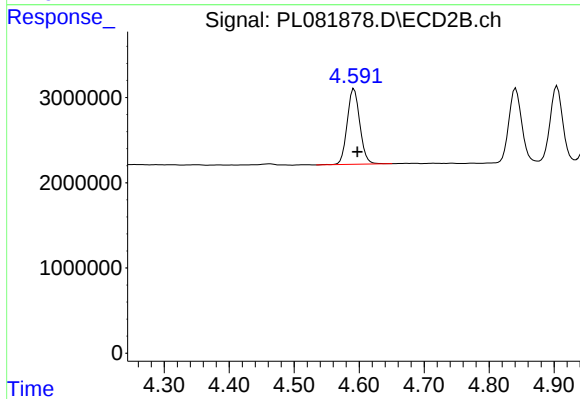
#7 delta-BHC

R.T.: 4.007 min  
Delta R.T.: -0.003 min  
Response: 11033281  
Conc: 4.27 ng/ml



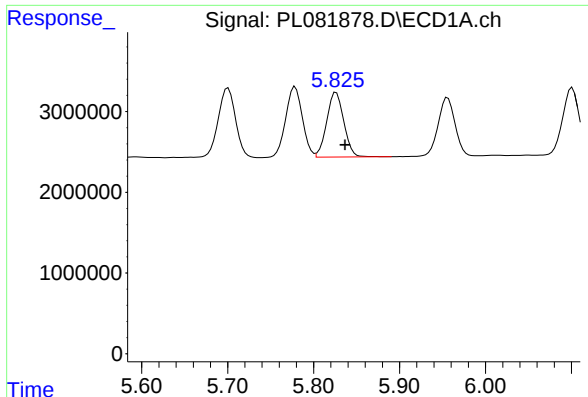
#8 Heptachlor epoxide

R.T.: 5.446 min  
Delta R.T.: -0.010 min  
Response: 13195741  
Conc: 4.85 ng/ml



#8 Heptachlor epoxide

R.T.: 4.592 min  
Delta R.T.: -0.005 min  
Response: 12022905  
Conc: 4.95 ng/ml



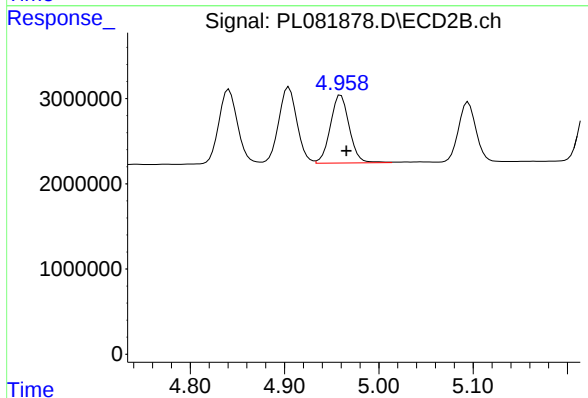
#9 Endosulfan I

R.T.: 5.826 min  
Delta R.T.: -0.010 min  
Response: 11063731  
Conc: 4.48 ng/ml

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

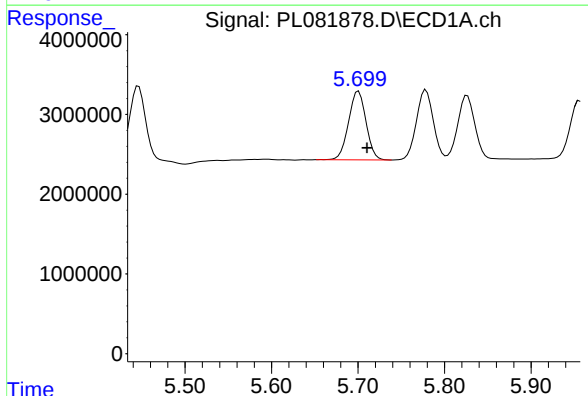
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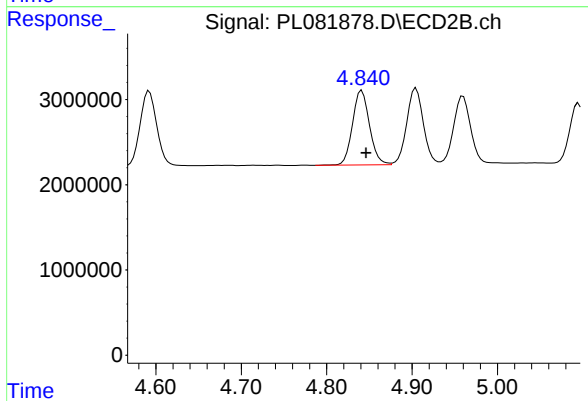
#9 Endosulfan I

R.T.: 4.960 min  
Delta R.T.: -0.006 min  
Response: 11079225  
Conc: 5.02 ng/ml



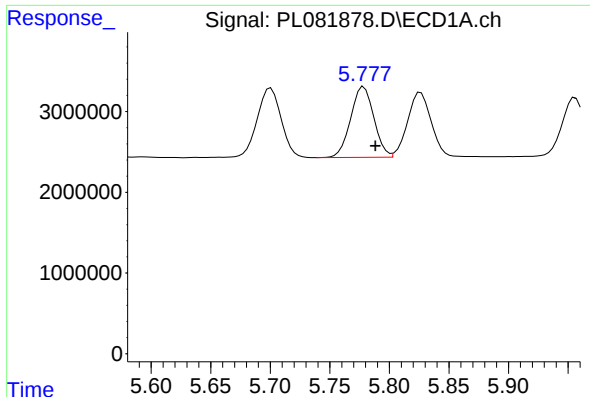
#10 gamma-Chlordane

R.T.: 5.701 min  
Delta R.T.: -0.010 min  
Response: 12040154  
Conc: 4.59 ng/ml



#10 gamma-Chlordane

R.T.: 4.841 min  
Delta R.T.: -0.005 min  
Response: 12090613  
Conc: 4.97 ng/ml



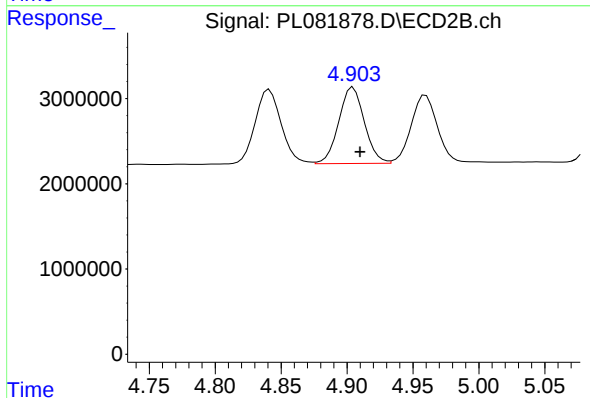
#11 alpha-Chlordane

R.T.: 5.779 min  
Delta R.T.: -0.010 min  
Response: 11879407  
Conc: 4.59 ng/ml

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

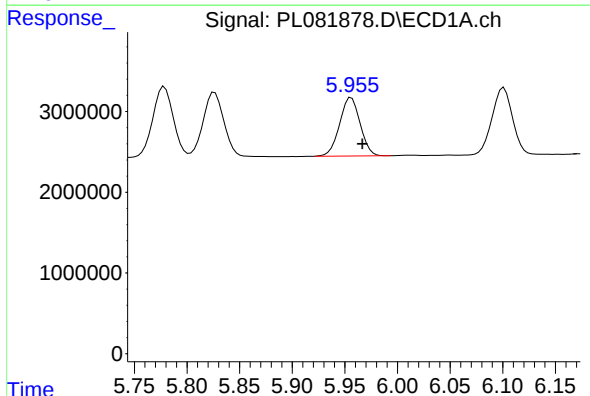
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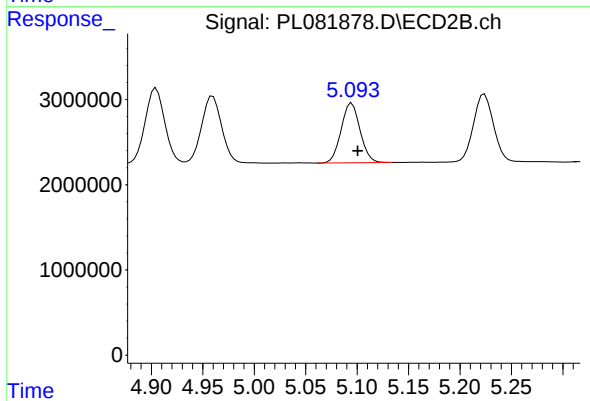
#11 alpha-Chlordane

R.T.: 4.905 min  
Delta R.T.: -0.005 min  
Response: 12084845  
Conc: 4.98 ng/ml



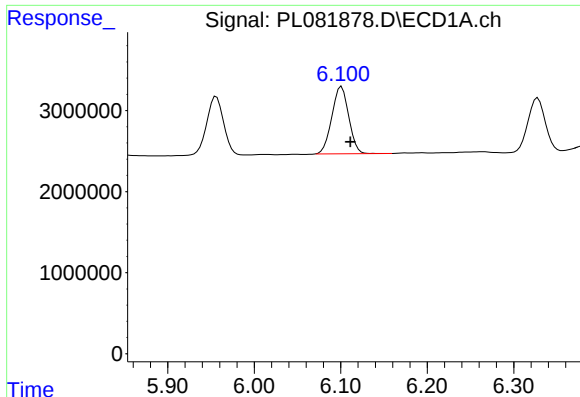
#12 4,4'-DDE

R.T.: 5.956 min  
Delta R.T.: -0.011 min  
Response: 9831237  
Conc: 4.36 ng/ml



#12 4,4'-DDE

R.T.: 5.095 min  
Delta R.T.: -0.006 min  
Response: 8978726  
Conc: 4.56 ng/ml



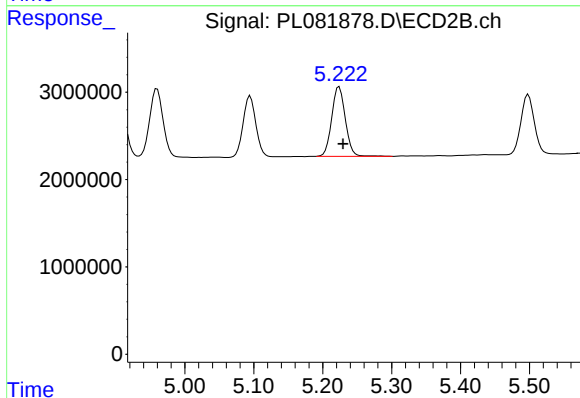
#13 Dieldrin

R.T.: 6.101 min  
Delta R.T.: -0.010 min  
Response: 11211099  
Conc: 4.63 ng/ml

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

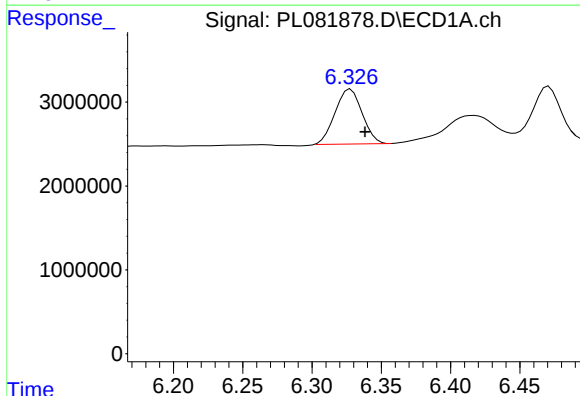
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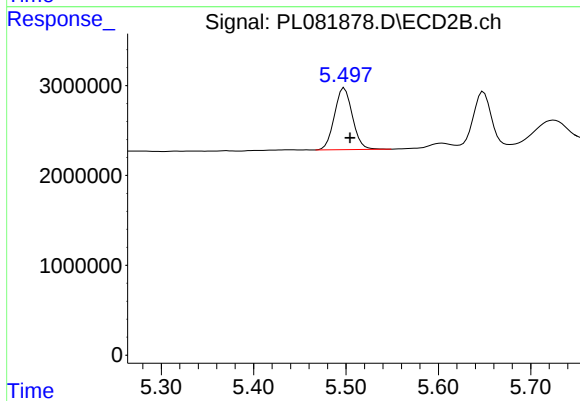
#13 Dieldrin

R.T.: 5.224 min  
Delta R.T.: -0.006 min  
Response: 10915307  
Conc: 4.85 ng/ml



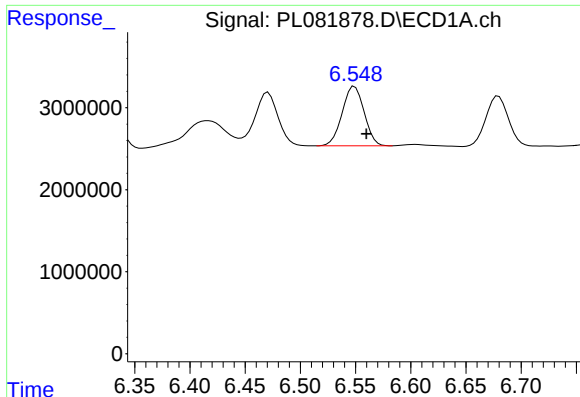
#14 Endrin

R.T.: 6.328 min  
Delta R.T.: -0.010 min  
Response: 8902878  
Conc: 4.21 ng/ml



#14 Endrin

R.T.: 5.498 min  
Delta R.T.: -0.006 min  
Response: 9289931  
Conc: 4.59 ng/ml



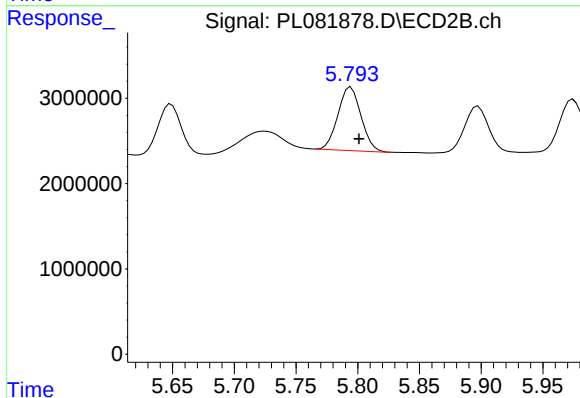
#15 Endosulfan II

R.T.: 6.549 min  
Delta R.T.: -0.011 min  
Response: 10039236  
Conc: 4.73 ng/ml

Instrument :  
ECD\_L  
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LOQ-SOIL-02-QT2-2023

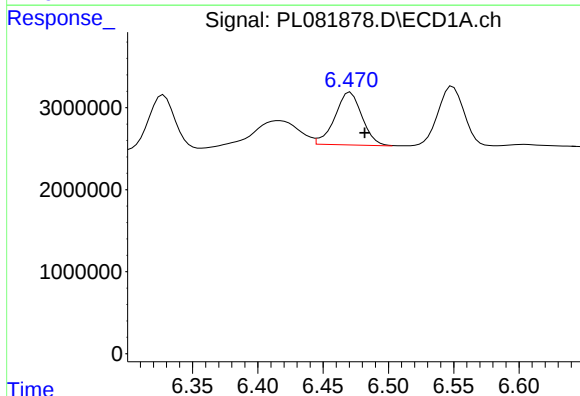
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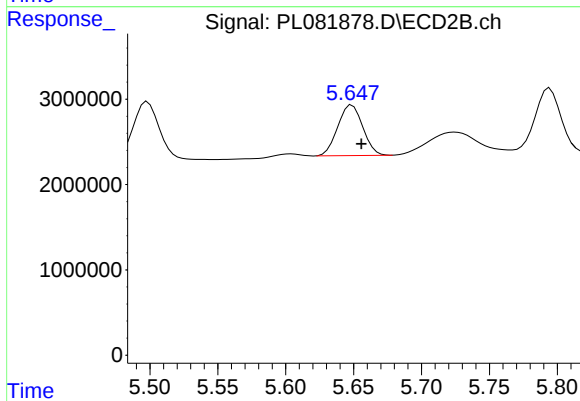
#15 Endosulfan II

R.T.: 5.793 min  
Delta R.T.: -0.008 min  
Response: 9672420  
Conc: 5.33 ng/ml m



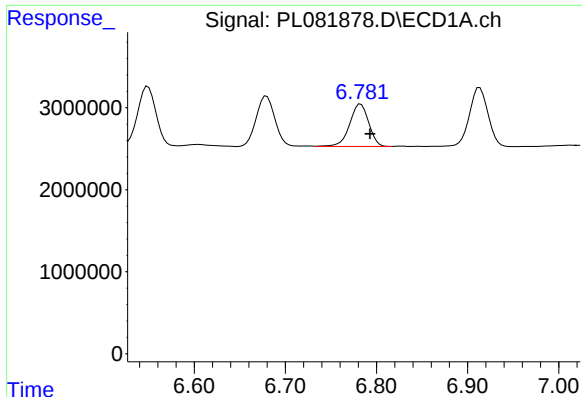
#16 4,4'-DDD

R.T.: 6.470 min  
Delta R.T.: -0.012 min  
Response: 9205641  
Conc: 5.10 ng/ml m



#16 4,4'-DDD

R.T.: 5.649 min  
Delta R.T.: -0.007 min  
Response: 7605183  
Conc: 5.01 ng/ml



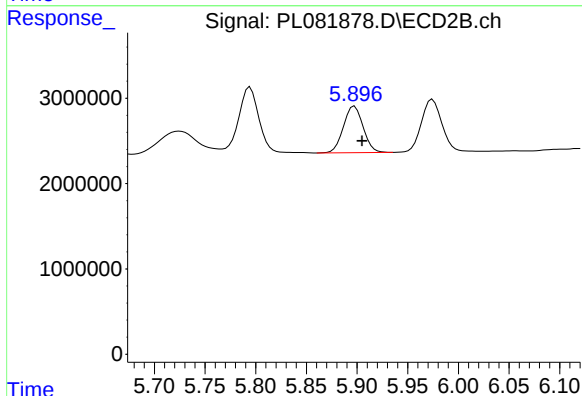
#17 4,4'-DDT

R.T.: 6.783 min  
Delta R.T.: -0.010 min  
Response: 7477282  
Conc: 3.68 ng/ml

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

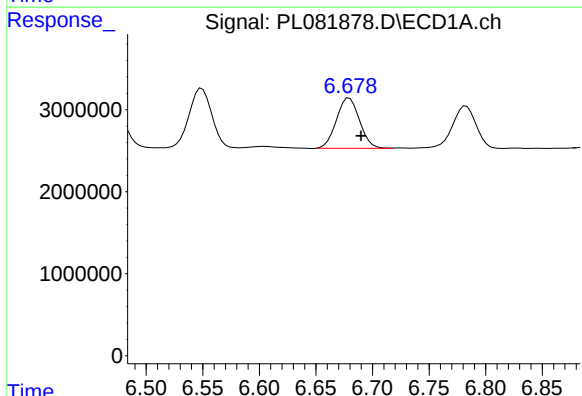
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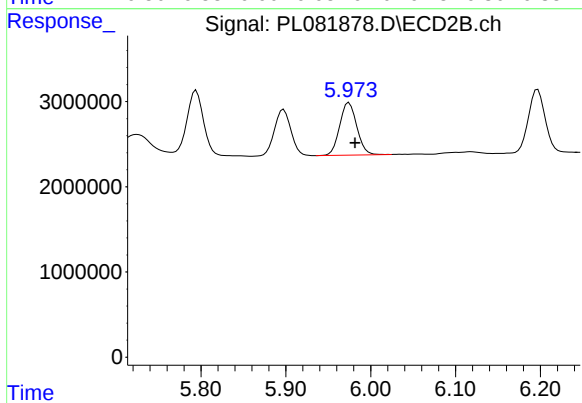
#17 4,4'-DDT

R.T.: 5.898 min  
Delta R.T.: -0.007 min  
Response: 7355037  
Conc: 4.27 ng/ml



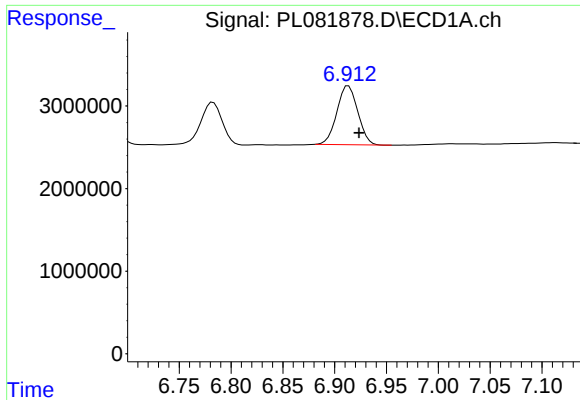
#18 Endrin aldehyde

R.T.: 6.679 min  
Delta R.T.: -0.010 min  
Response: 8725775  
Conc: 5.33 ng/ml



#18 Endrin aldehyde

R.T.: 5.975 min  
Delta R.T.: -0.007 min  
Response: 8634084  
Conc: 5.56 ng/ml



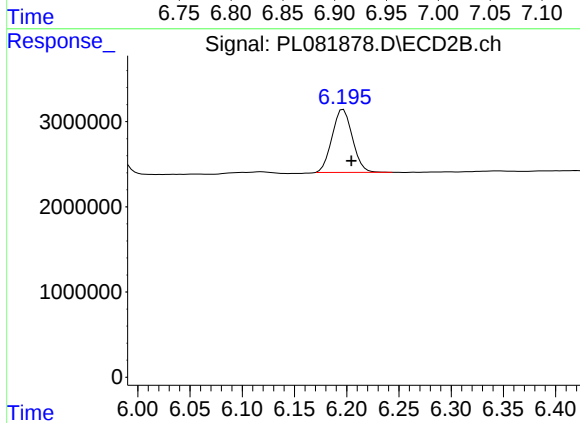
#19 Endosulfan Sulfate

R.T.: 6.913 min  
Delta R.T.: -0.010 min  
Response: 10018581  
Conc: 4.81 ng/ml

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

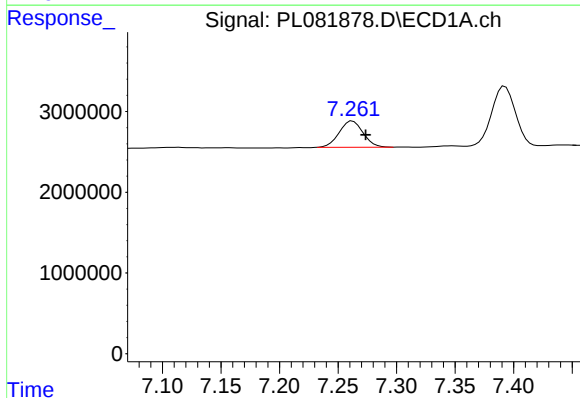
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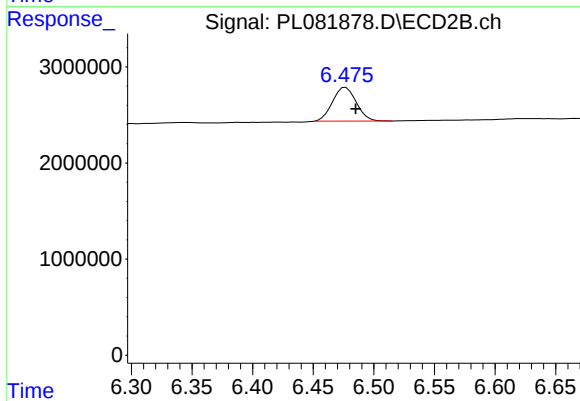
#19 Endosulfan Sulfate

R.T.: 6.197 min  
Delta R.T.: -0.008 min  
Response: 10028719  
Conc: 5.15 ng/ml



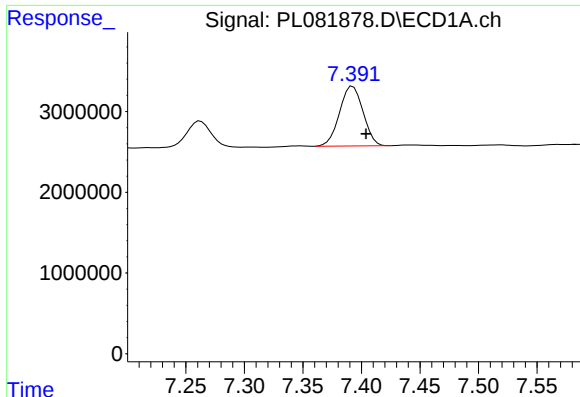
#20 Methoxychlor

R.T.: 7.262 min  
Delta R.T.: -0.011 min  
Response: 4615915  
Conc: 4.29 ng/ml



#20 Methoxychlor

R.T.: 6.477 min  
Delta R.T.: -0.008 min  
Response: 4768578  
Conc: 4.79 ng/ml



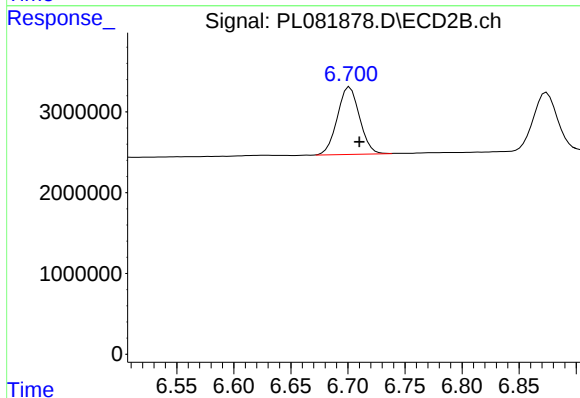
#21 Endrin ketone

R.T.: 7.393 min  
Delta R.T.: -0.011 min  
Response: 10362928  
Conc: 4.95 ng/ml

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

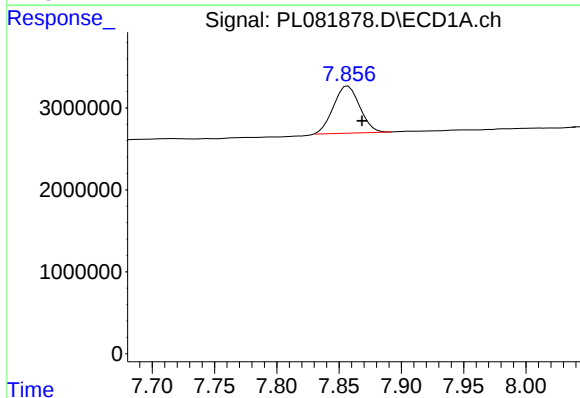
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/07/2023  
Supervised By :Ankita Jodhani 04/07/2023



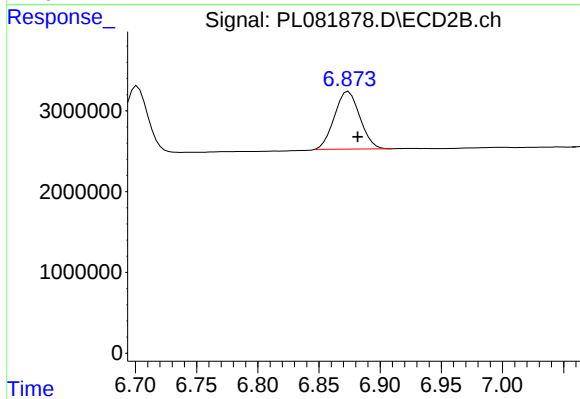
#21 Endrin ketone

R.T.: 6.702 min  
Delta R.T.: -0.008 min  
Response: 11319060  
Conc: 5.30 ng/ml



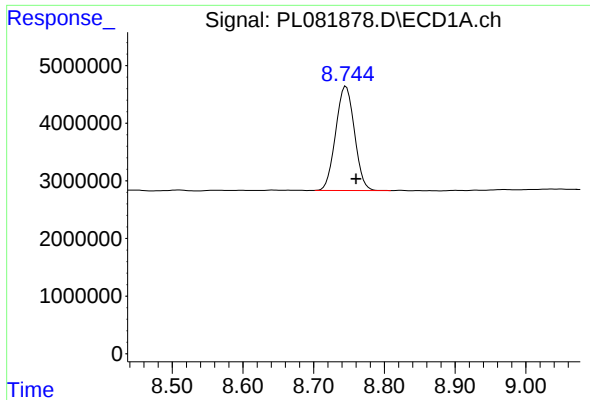
#22 Mirex

R.T.: 7.857 min  
Delta R.T.: -0.011 min  
Response: 8468657  
Conc: 4.94 ng/ml



#22 Mirex

R.T.: 6.874 min  
Delta R.T.: -0.008 min  
Response: 10346083  
Conc: 5.39 ng/ml



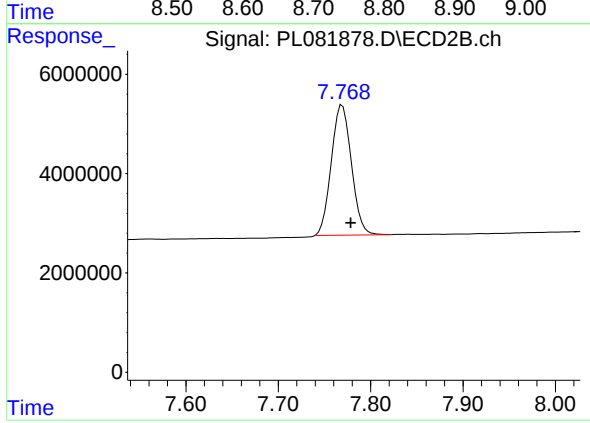
#28 Decachlorobiphenyl

R.T.: 8.746 min  
Delta R.T.: -0.014 min  
Response: 33307334  
Conc: 18.61 ng/ml

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

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/07/2023  
Supervised By :Ankita Jodhani 04/07/2023



#28 Decachlorobiphenyl

R.T.: 7.769 min  
Delta R.T.: -0.009 min  
Response: 39708915  
Conc: 20.02 ng/ml