

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL060223\  
 Data File : PL083183.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 Jun 2023 14:36  
 Operator : AR\AJ  
 Sample : 02213-02  
 Misc : PEST LOQ 5PPB  
 ALS Vial : 13 Sample Multiplier: 1

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

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 06/05/2023  
 Supervised By : Ankita Jodhani 06/05/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 03 05:32:39 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051923.M  
 Quant Title : GC Extractables  
 QLast Update : Sat May 20 04:58:53 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... | 3.315 | 2.634 | 58424271 | 50055271 | 19.879 | 19.281  |
| 28)                         | SA Decachlor... | 8.731 | 7.737 | 51904751 | 55658151 | 24.748 | 22.384  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.764 | 3.130 | 15856291 | 13351583 | 3.572  | 3.578   |
| 3)                          | MA gamma-BHC... | 4.092 | 3.456 | 15639053 | 13058634 | 3.775  | 3.918   |
| 4)                          | MA Heptachlor   | 4.670 | 3.787 | 16564650 | 14103282 | 4.333  | 3.852   |
| 5)                          | MB Aldrin       | 5.006 | 4.063 | 15443206 | 12568713 | 4.390  | 3.863   |
| 6)                          | B beta-BHC      | 4.297 | 3.758 | 8913776  | 5812391  | 4.734  | 4.064   |
| 7)                          | B delta-BHC     | 4.537 | 3.982 | 17396717 | 11614829 | 5.059  | 3.545 # |
| 8)                          | B Heptachlo...  | 5.433 | 4.564 | 16664166 | 12364382 | 5.210  | 4.166   |
| 9)                          | A Endosulfan I  | 5.812 | 4.930 | 12829459 | 11395545 | 4.276m | 4.078   |
| 10)                         | B gamma-Chl...  | 5.686 | 4.812 | 13878248 | 12361053 | 4.368m | 4.116   |
| 11)                         | B alpha-Chl...  | 5.763 | 4.874 | 13873841 | 12532039 | 4.323m | 4.175   |
| 12)                         | B 4,4'-DDE      | 5.943 | 5.065 | 11906391 | 9748421  | 4.319  | 4.014   |
| 13)                         | MA Dieldrin     | 6.087 | 5.194 | 13346686 | 11513523 | 4.437  | 4.079   |
| 14)                         | MA Endrin       | 6.315 | 5.468 | 11918866 | 10800729 | 4.435  | 4.257   |
| 15)                         | B Endosulfa...  | 6.536 | 5.765 | 19080048 | 12193477 | 3.225  | 4.928 # |
| 16)                         | A 4,4'-DDD      | 6.460 | 5.619 | 9177249  | 7264057  | 4.223  | 3.777   |
| 17)                         | MA 4,4'-DDT     | 6.770 | 5.867 | 11536785 | 8291345  | 4.609  | 3.716   |
| 18)                         | B Endrin al...  | 6.668 | 5.945 | 10045722 | 10026649 | 4.996  | 5.070   |
| 19)                         | B Endosulfa...  | 6.901 | 6.168 | 11926103 | 10291431 | 4.652  | 4.202   |
| 20)                         | A Methoxychlor  | 7.251 | 6.447 | 6434129  | 5707385  | 4.866  | 4.488   |
| 21)                         | B Endrin ke...  | 7.381 | 6.671 | 11904303 | 11464060 | 4.667  | 4.240   |
| 22)                         | Mirex           | 7.845 | 6.842 | 10376627 | 10987147 | 4.951  | 4.696   |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL060223\  
Data File : PL083183.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 02 Jun 2023 14:36  
Operator : AR\AJ  
Sample : 02213-02  
Misc : PEST LOQ 5PPB  
ALS Vial : 13 Sample Multiplier: 1

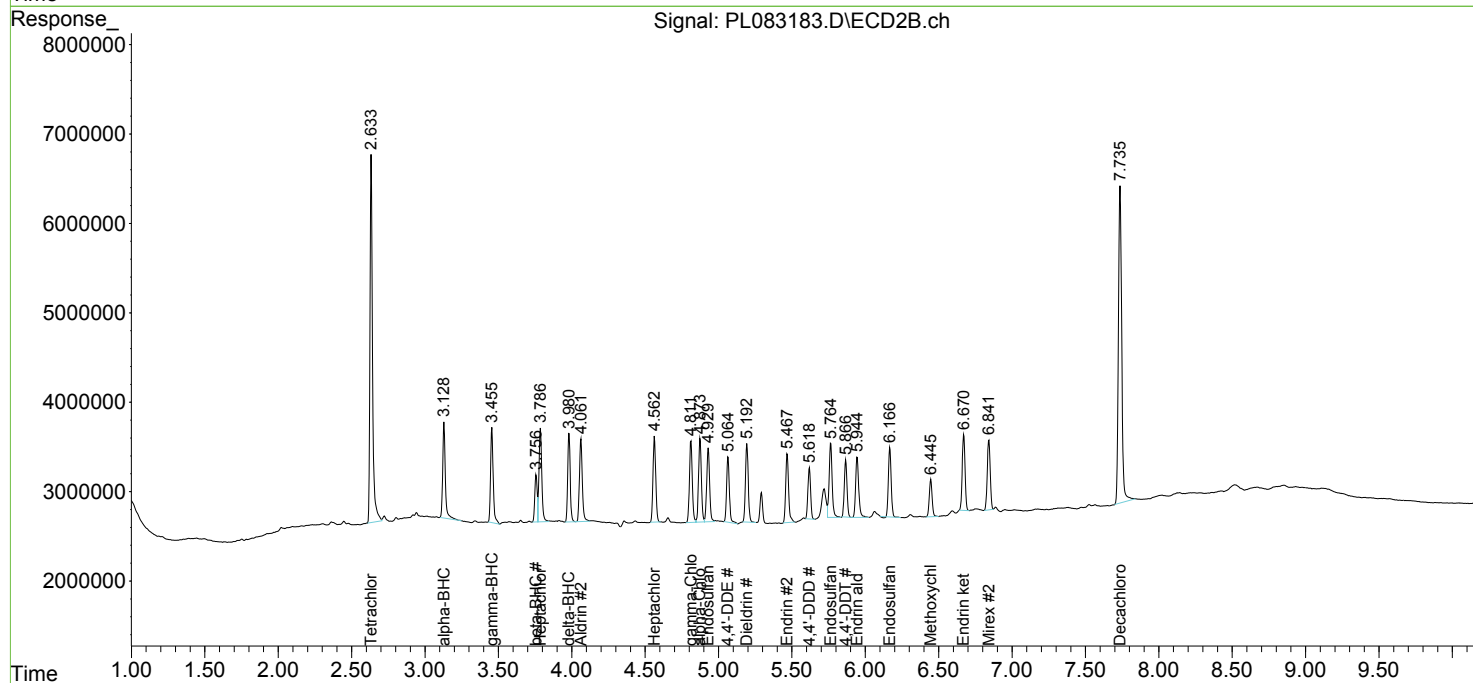
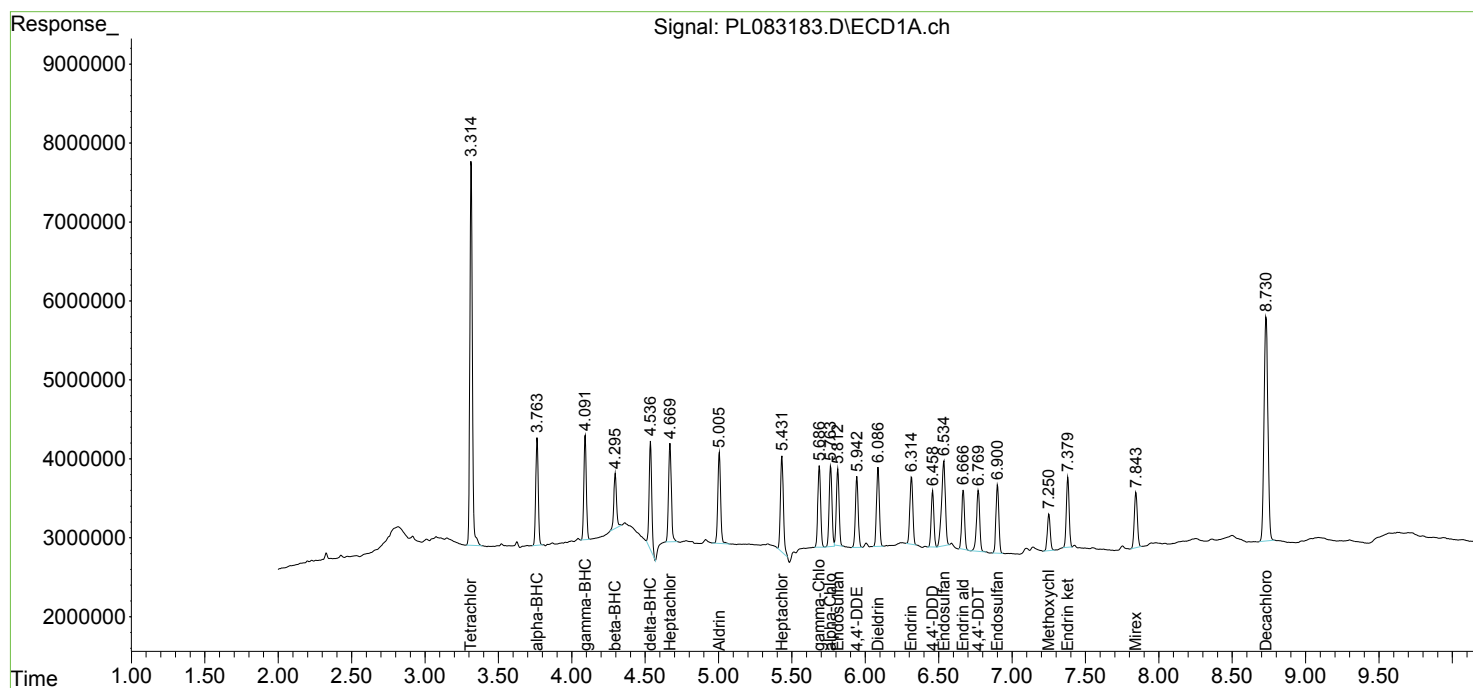
Instrument :  
ECD\_L  
ClientSampleId :  
LOQ-SOIL-02-QT2-2023

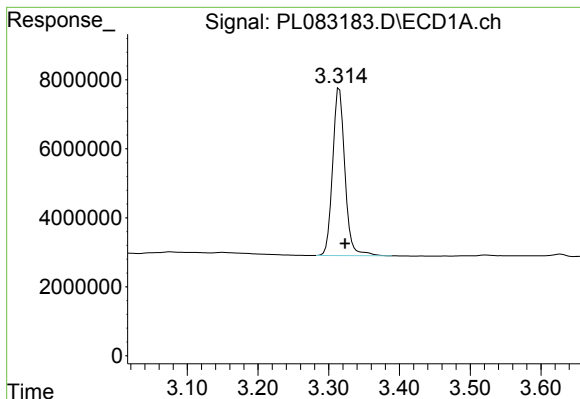
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/05/2023  
Supervised By :Ankita Jodhani 06/05/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 03 05:32:39 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051923.M  
Quant Title : GC Extractables  
QLast Update : Sat May 20 04:58:53 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





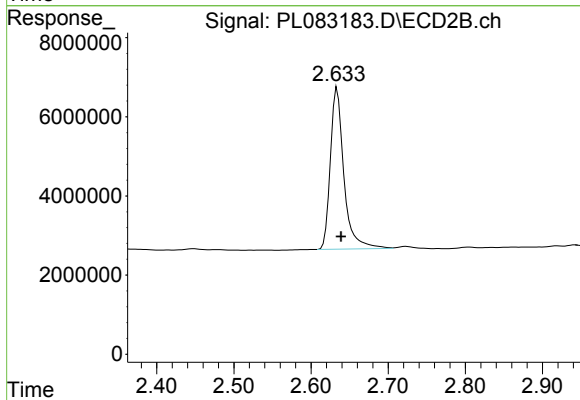
#1 Tetrachloro-m-xylene

R.T.: 3.315 min  
Delta R.T.: -0.008 min  
Response: 58424271  
Conc: 19.88 ng/ml

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

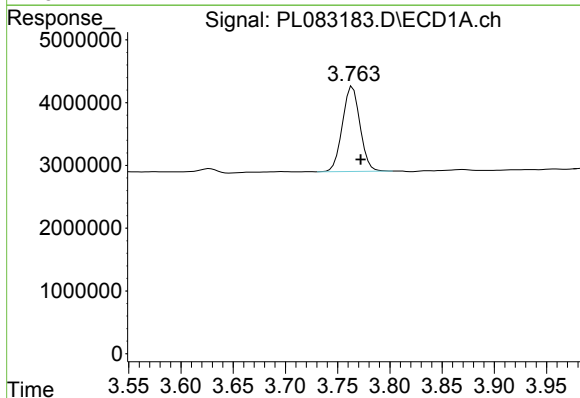
Manual Integrations  
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Supervised By :Ankita Jodhani 06/05/2023



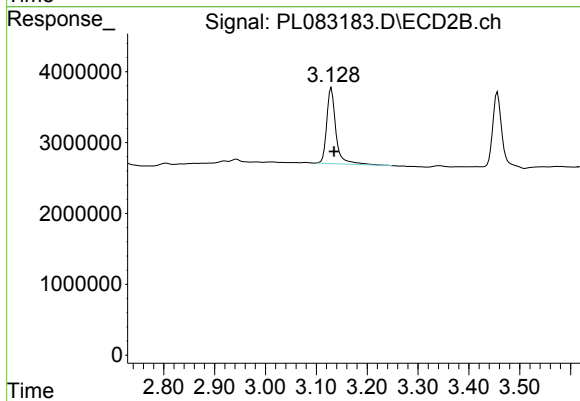
#1 Tetrachloro-m-xylene

R.T.: 2.634 min  
Delta R.T.: -0.005 min  
Response: 50055271  
Conc: 19.28 ng/ml



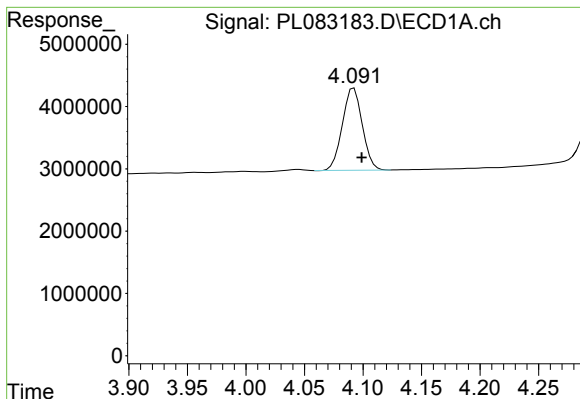
#2 alpha-BHC

R.T.: 3.764 min  
Delta R.T.: -0.008 min  
Response: 15856291  
Conc: 3.57 ng/ml



#2 alpha-BHC

R.T.: 3.130 min  
Delta R.T.: -0.006 min  
Response: 13351583  
Conc: 3.58 ng/ml



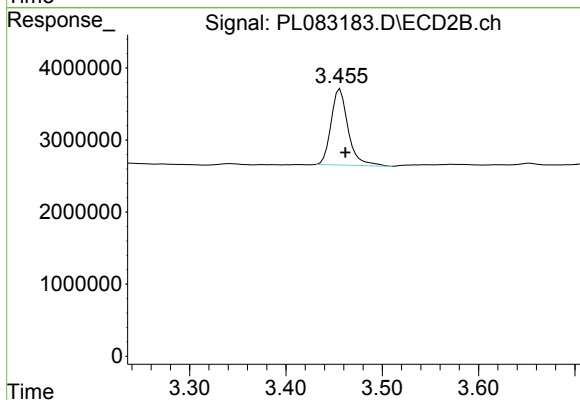
#3 gamma-BHC (Lindane)

R.T.: 4.092 min  
Delta R.T.: -0.007 min  
Response: 15639053  
Conc: 3.77 ng/ml

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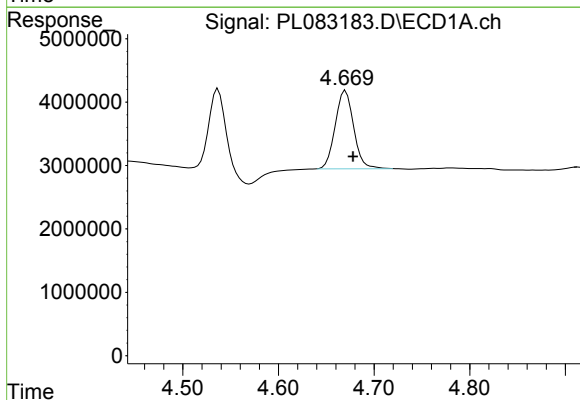
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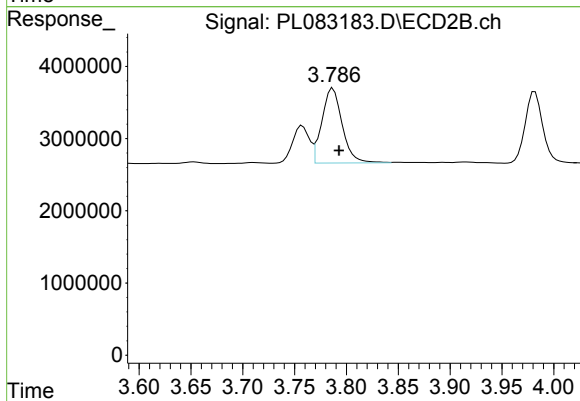
#3 gamma-BHC (Lindane)

R.T.: 3.456 min  
Delta R.T.: -0.006 min  
Response: 13058634  
Conc: 3.92 ng/ml



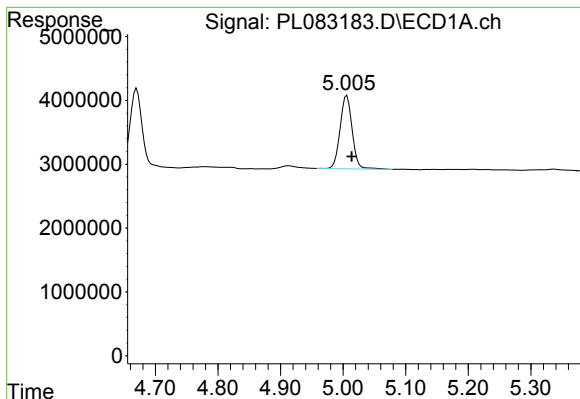
#4 Heptachlor

R.T.: 4.670 min  
Delta R.T.: -0.008 min  
Response: 16564650  
Conc: 4.33 ng/ml



#4 Heptachlor

R.T.: 3.787 min  
Delta R.T.: -0.006 min  
Response: 14103282  
Conc: 3.85 ng/ml



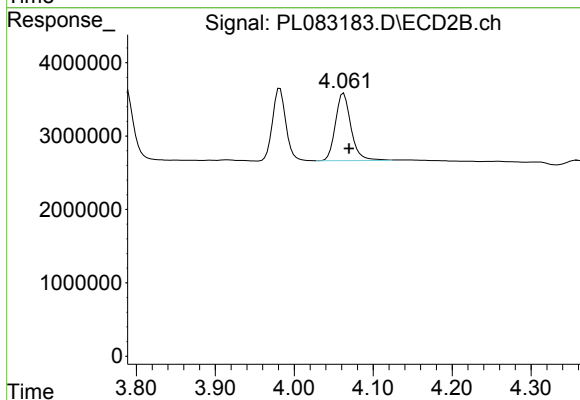
#5 Aldrin

R.T.: 5.006 min  
Delta R.T.: -0.008 min  
Response: 15443206  
Conc: 4.39 ng/ml

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

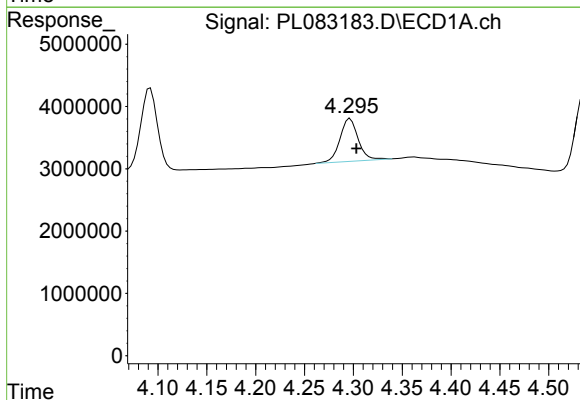
Manual Integrations  
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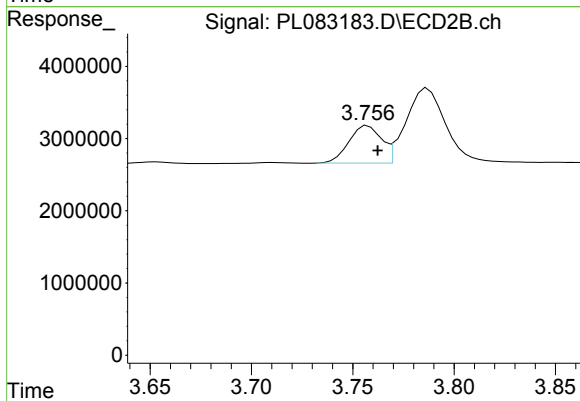
#5 Aldrin

R.T.: 4.063 min  
Delta R.T.: -0.007 min  
Response: 12568713  
Conc: 3.86 ng/ml



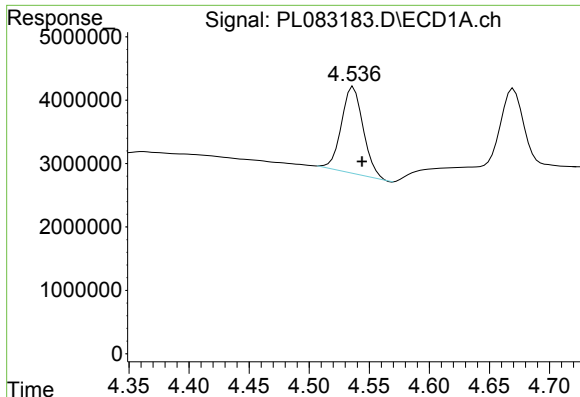
#6 beta-BHC

R.T.: 4.297 min  
Delta R.T.: -0.006 min  
Response: 8913776  
Conc: 4.73 ng/ml



#6 beta-BHC

R.T.: 3.758 min  
Delta R.T.: -0.005 min  
Response: 5812391  
Conc: 4.06 ng/ml



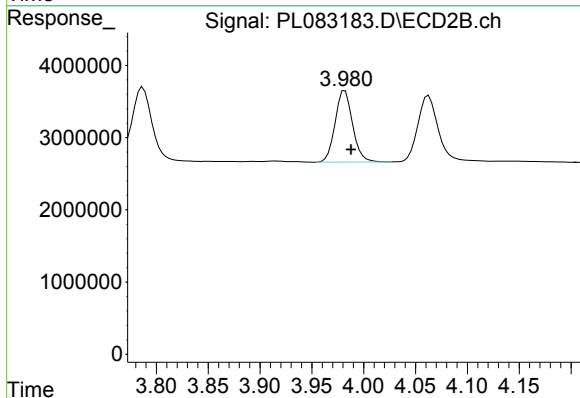
#7 delta-BHC

R.T.: 4.537 min  
Delta R.T.: -0.007 min  
Response: 17396717  
Conc: 5.06 ng/ml

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

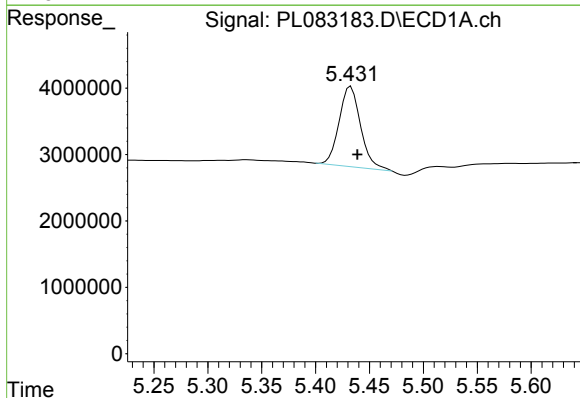
Manual Integrations  
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Reviewed By :Abdul Mirza 06/05/2023  
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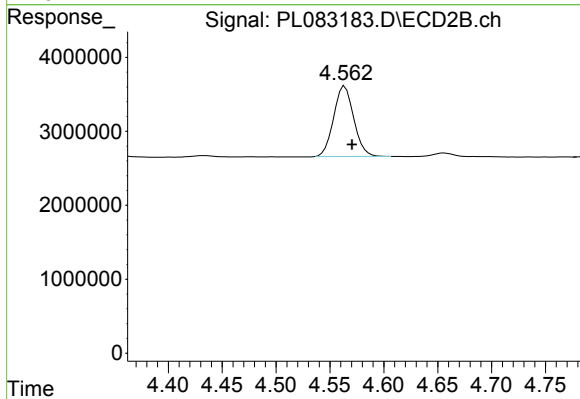
#7 delta-BHC

R.T.: 3.982 min  
Delta R.T.: -0.006 min  
Response: 11614829  
Conc: 3.54 ng/ml



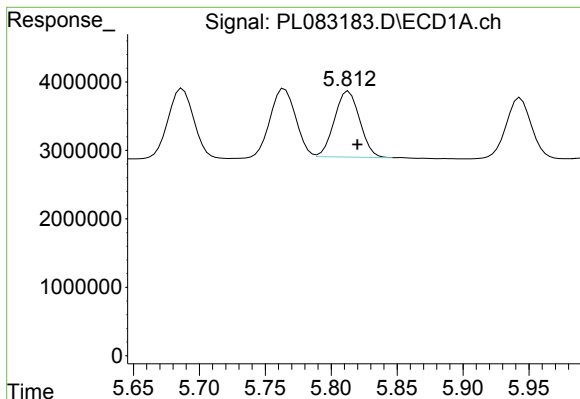
#8 Heptachlor epoxide

R.T.: 5.433 min  
Delta R.T.: -0.006 min  
Response: 16664166  
Conc: 5.21 ng/ml



#8 Heptachlor epoxide

R.T.: 4.564 min  
Delta R.T.: -0.006 min  
Response: 12364382  
Conc: 4.17 ng/ml



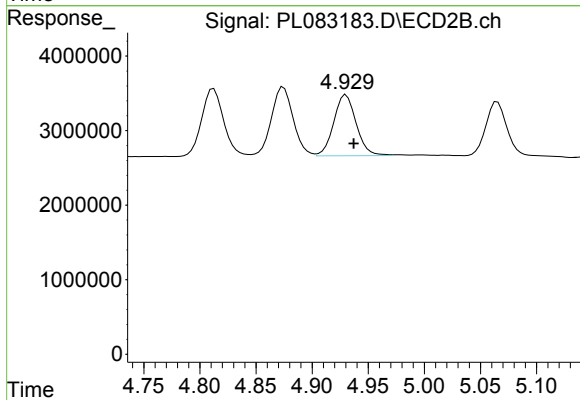
#9 Endosulfan I

R.T.: 5.812 min  
Delta R.T.: -0.008 min  
Response: 12829459  
Conc: 4.28 ng/ml

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

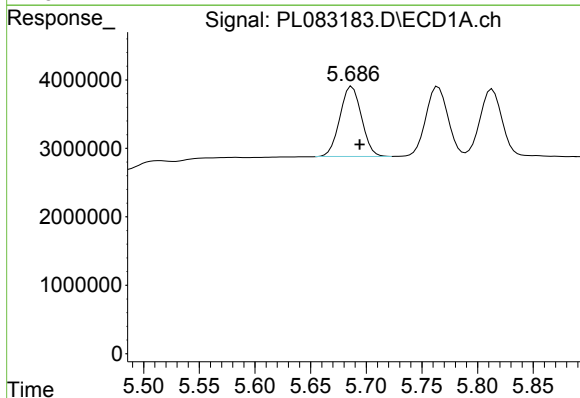
Manual Integrations  
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Reviewed By :Abdul Mirza 06/05/2023  
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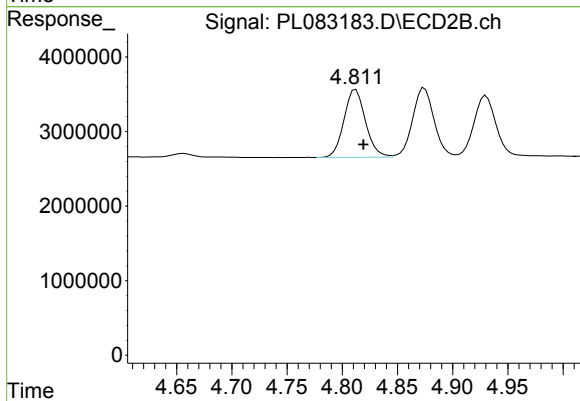
#9 Endosulfan I

R.T.: 4.930 min  
Delta R.T.: -0.007 min  
Response: 11395545  
Conc: 4.08 ng/ml



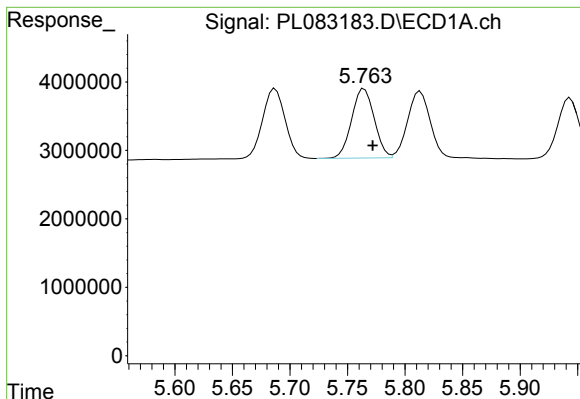
#10 gamma-Chlordane

R.T.: 5.686 min  
Delta R.T.: -0.008 min  
Response: 13878248  
Conc: 4.37 ng/ml m



#10 gamma-Chlordane

R.T.: 4.812 min  
Delta R.T.: -0.007 min  
Response: 12361053  
Conc: 4.12 ng/ml



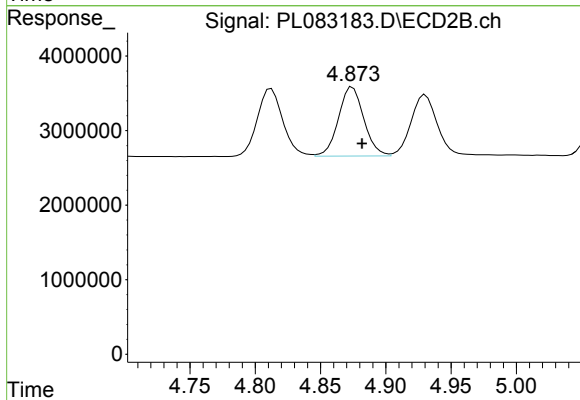
#11 alpha-Chlordane

R.T.: 5.763 min  
Delta R.T.: -0.009 min  
Response: 13873841  
Conc: 4.32 ng/ml

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

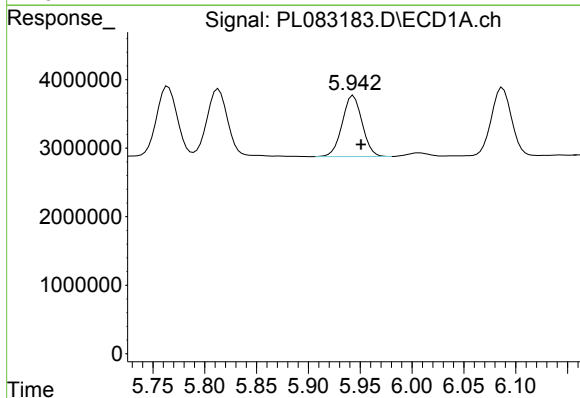
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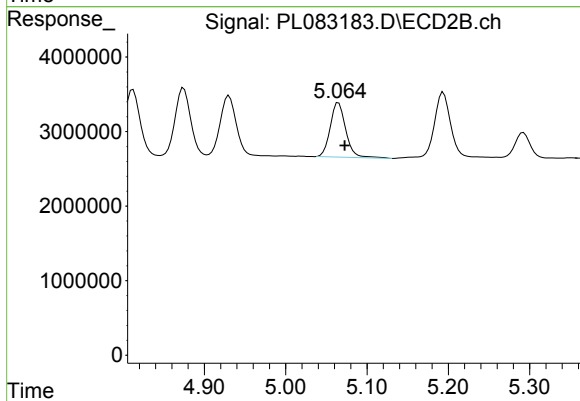
#11 alpha-Chlordane

R.T.: 4.874 min  
Delta R.T.: -0.007 min  
Response: 12532039  
Conc: 4.17 ng/ml



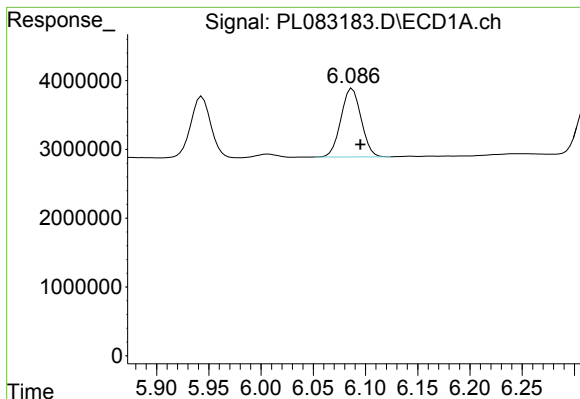
#12 4,4'-DDE

R.T.: 5.943 min  
Delta R.T.: -0.008 min  
Response: 11906391  
Conc: 4.32 ng/ml



#12 4,4'-DDE

R.T.: 5.065 min  
Delta R.T.: -0.007 min  
Response: 9748421  
Conc: 4.01 ng/ml



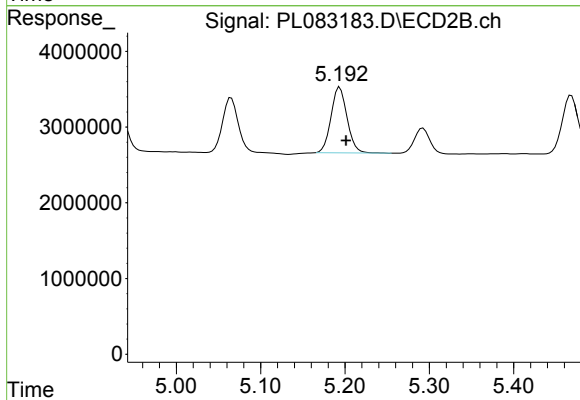
#13 Dieldrin

R.T.: 6.087 min  
Delta R.T.: -0.008 min  
Response: 13346686  
Conc: 4.44 ng/ml

Instrument :  
ECD\_L  
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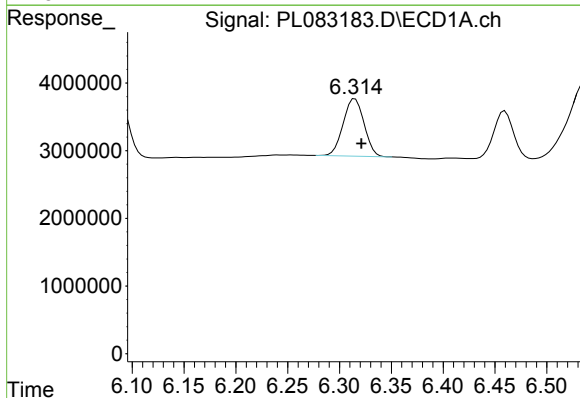
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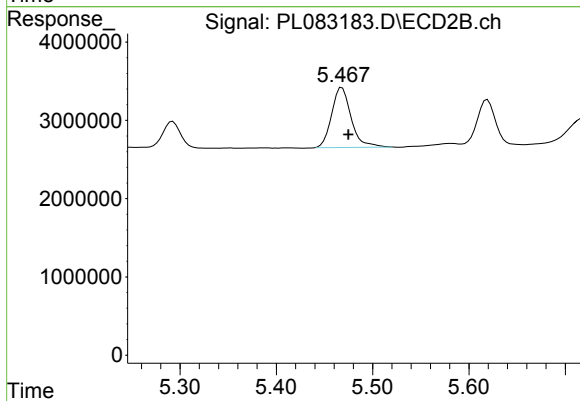
#13 Dieldrin

R.T.: 5.194 min  
Delta R.T.: -0.007 min  
Response: 11513523  
Conc: 4.08 ng/ml



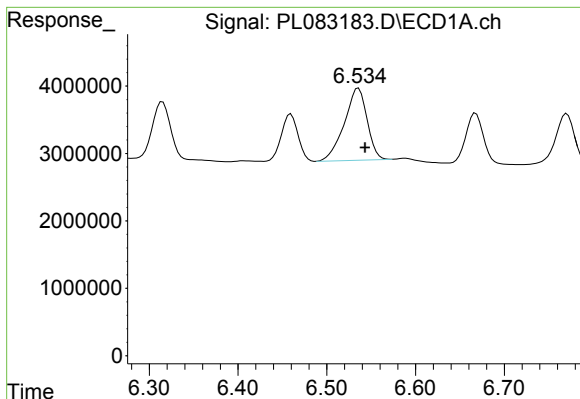
#14 Endrin

R.T.: 6.315 min  
Delta R.T.: -0.006 min  
Response: 11918866  
Conc: 4.44 ng/ml



#14 Endrin

R.T.: 5.468 min  
Delta R.T.: -0.007 min  
Response: 10800729  
Conc: 4.26 ng/ml



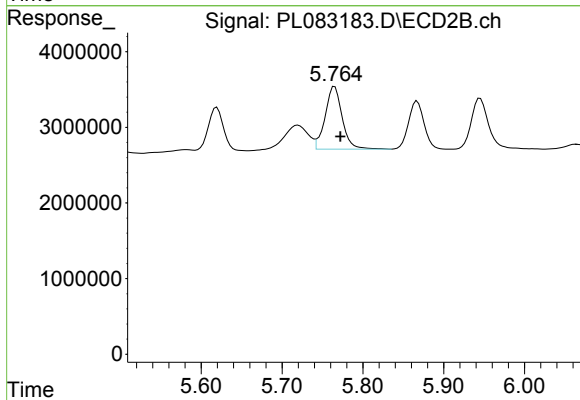
#15 Endosulfan II

R.T.: 6.536 min  
Delta R.T.: -0.007 min  
Response: 19080048  
Conc: 3.22 ng/ml

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

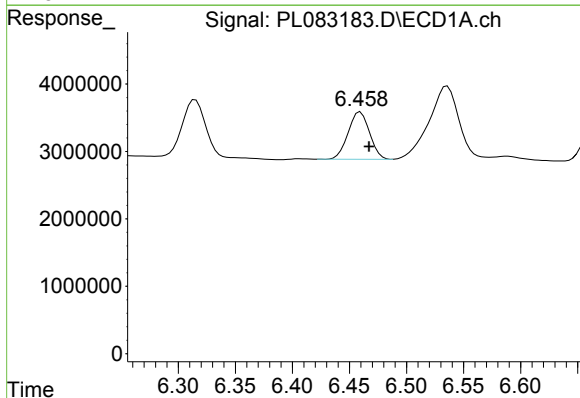
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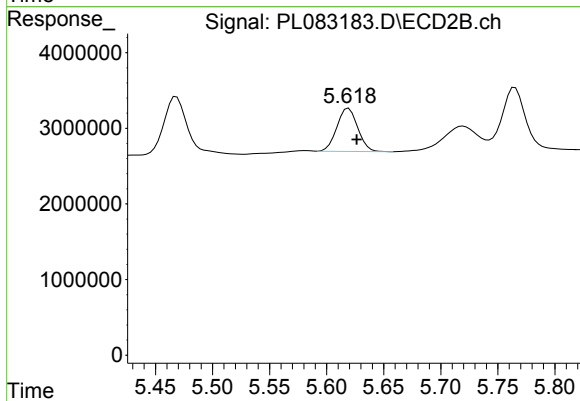
#15 Endosulfan II

R.T.: 5.765 min  
Delta R.T.: -0.007 min  
Response: 12193477  
Conc: 4.93 ng/ml



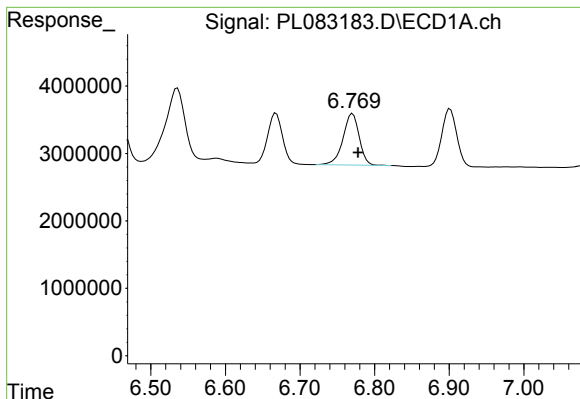
#16 4,4'-DDD

R.T.: 6.460 min  
Delta R.T.: -0.007 min  
Response: 9177249  
Conc: 4.22 ng/ml



#16 4,4'-DDD

R.T.: 5.619 min  
Delta R.T.: -0.007 min  
Response: 7264057  
Conc: 3.78 ng/ml



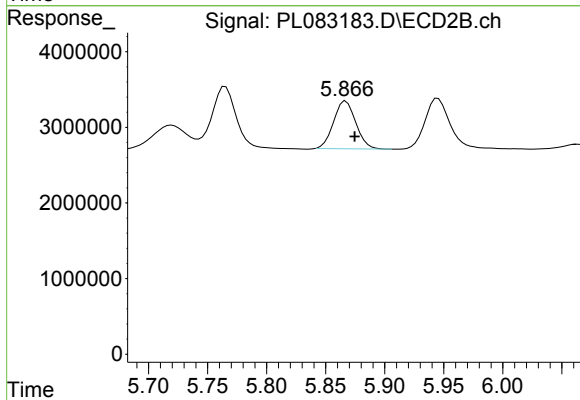
#17 4,4'-DDT

R.T.: 6.770 min  
Delta R.T.: -0.008 min  
Response: 11536785  
Conc: 4.61 ng/ml

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

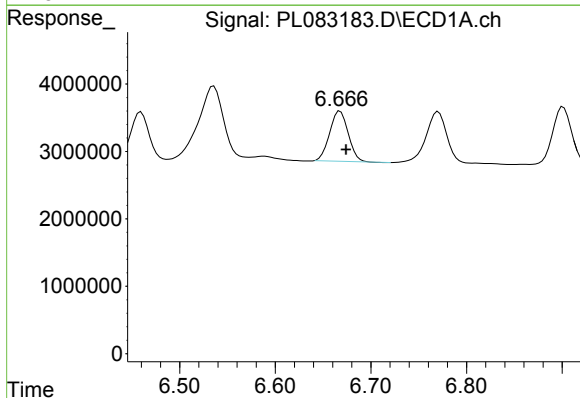
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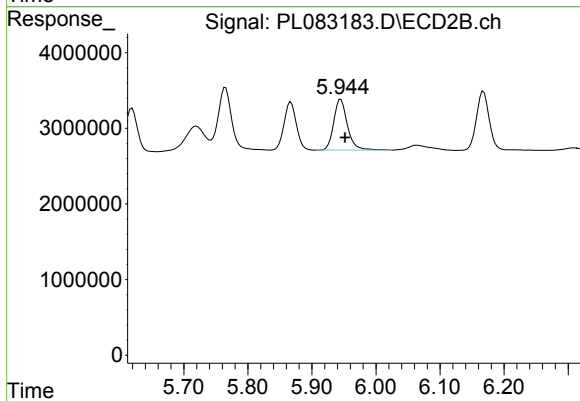
#17 4,4'-DDT

R.T.: 5.867 min  
Delta R.T.: -0.008 min  
Response: 8291345  
Conc: 3.72 ng/ml



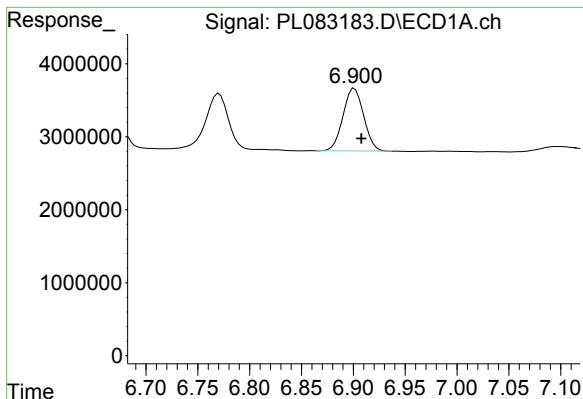
#18 Endrin aldehyde

R.T.: 6.668 min  
Delta R.T.: -0.006 min  
Response: 10045722  
Conc: 5.00 ng/ml



#18 Endrin aldehyde

R.T.: 5.945 min  
Delta R.T.: -0.007 min  
Response: 10026649  
Conc: 5.07 ng/ml



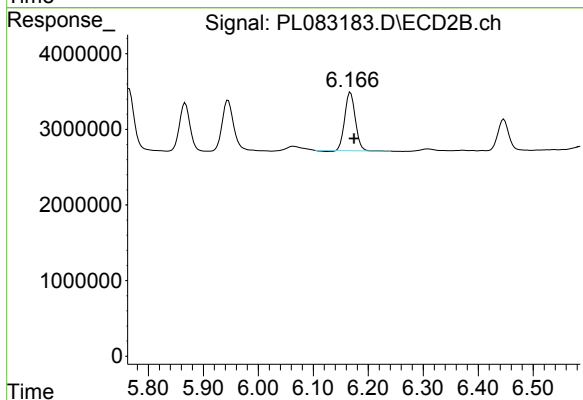
#19 Endosulfan Sulfate

R.T.: 6.901 min  
Delta R.T.: -0.007 min  
Response: 11926103  
Conc: 4.65 ng/ml

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

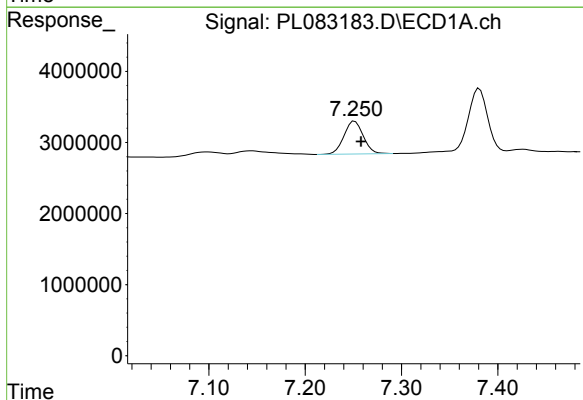
Manual Integrations  
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Reviewed By :Abdul Mirza 06/05/2023  
Supervised By :Ankita Jodhani 06/05/2023



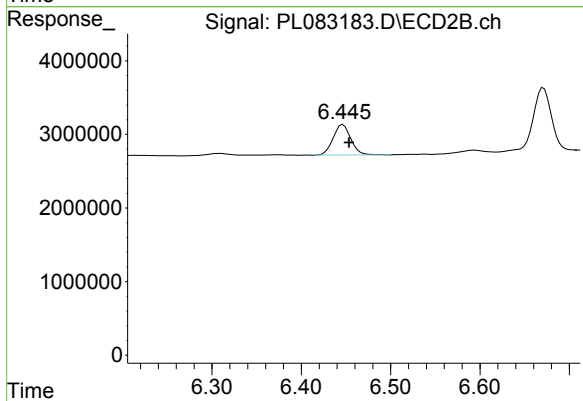
#19 Endosulfan Sulfate

R.T.: 6.168 min  
Delta R.T.: -0.006 min  
Response: 10291431  
Conc: 4.20 ng/ml



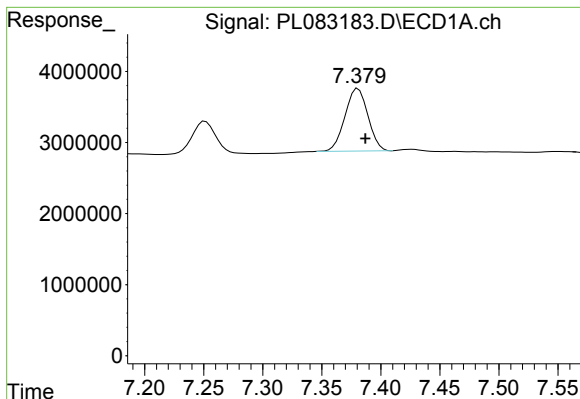
#20 Methoxychlor

R.T.: 7.251 min  
Delta R.T.: -0.007 min  
Response: 6434129  
Conc: 4.87 ng/ml



#20 Methoxychlor

R.T.: 6.447 min  
Delta R.T.: -0.007 min  
Response: 5707385  
Conc: 4.49 ng/ml



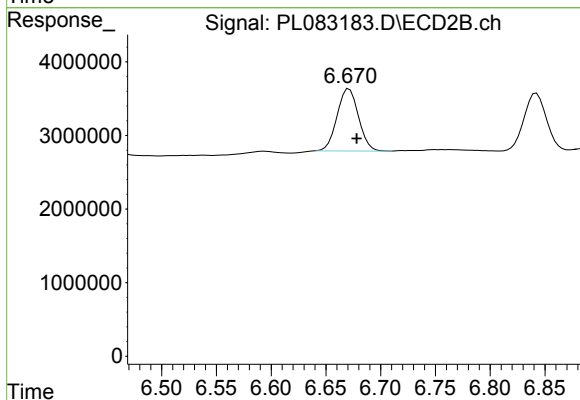
#21 Endrin ketone

R.T.: 7.381 min  
Delta R.T.: -0.006 min  
Response: 11904303  
Conc: 4.67 ng/ml

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

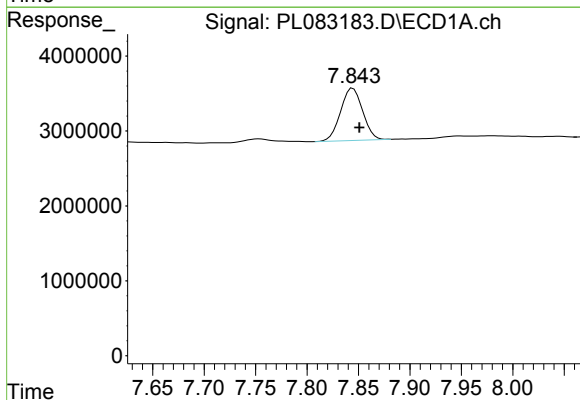
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/05/2023  
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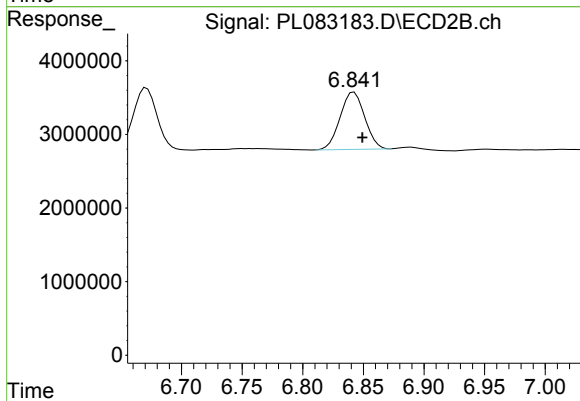
#21 Endrin ketone

R.T.: 6.671 min  
Delta R.T.: -0.007 min  
Response: 11464060  
Conc: 4.24 ng/ml



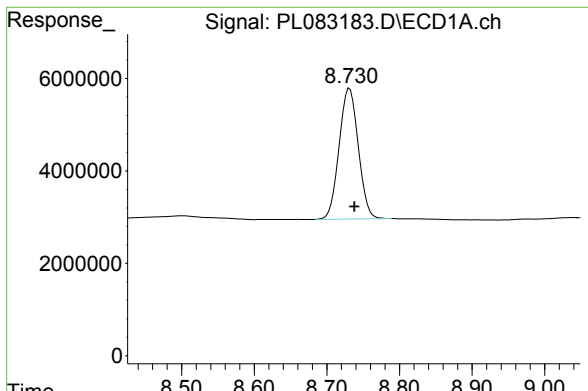
#22 Mirex

R.T.: 7.845 min  
Delta R.T.: -0.006 min  
Response: 10376627  
Conc: 4.95 ng/ml



#22 Mirex

R.T.: 6.842 min  
Delta R.T.: -0.007 min  
Response: 10987147  
Conc: 4.70 ng/ml



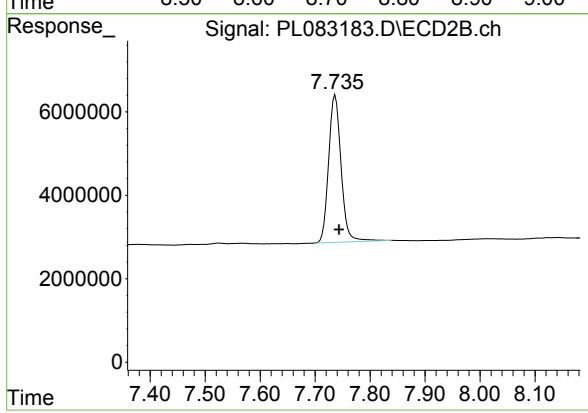
#28 Decachlorobiphenyl

R.T.: 8.731 min  
Delta R.T.: -0.007 min  
Response: 51904751  
Conc: 24.75 ng/ml

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

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 7.737 min  
Delta R.T.: -0.007 min  
Response: 55658151  
Conc: 22.38 ng/ml