

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101123\  
 Data File : PL085857.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Oct 2023 15:44  
 Operator : AR\AJ  
 Sample : 04830-01MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 RT-2327MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/12/2023  
 Supervised By :Ankita Jodhani 10/12/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 11 21:49:21 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 | 50432265 | 16151877 | 16.957  | 17.291   |
| 28)                         | SA Decachlor... | 8.857 | 7.774 | 35068864 | 20019299 | 16.101m | 21.690 # |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.811 | 3.121 | 199.7E6  | 59247268 | 46.522  | 47.091   |
| 3)                          | MA gamma-BHC... | 4.141 | 3.448 | 203.9E6  | 60434183 | 49.320m | 49.000   |
| 4)                          | MA Heptachlor   | 4.728 | 3.785 | 178.2E6  | 60088007 | 46.076m | 51.664   |
| 5)                          | MB Aldrin       | 5.068 | 4.061 | 176.9E6  | 63058555 | 45.644m | 56.390   |
| 6)                          | B beta-BHC      | 4.345 | 3.750 | 88049567 | 26272551 | 53.246  | 50.467   |
| 7)                          | B delta-BHC     | 4.588 | 3.975 | 184.4E6  | 57177154 | 48.082  | 49.764   |
| 8)                          | B Heptachlo...  | 5.500 | 4.566 | 150.9E6  | 53180878 | 43.732  | 52.948   |
| 9)                          | A Endosulfan I  | 5.882 | 4.933 | 142.7E6  | 48109760 | 44.110m | 44.848m  |
| 10)                         | B gamma-Chl...  | 5.756 | 4.818 | 164.7E6  | 53410227 | 48.143  | 53.929   |
| 11)                         | B alpha-Chl...  | 5.836 | 4.882 | 163.3E6  | 53791986 | 47.790  | 49.317   |
| 12)                         | B 4,4'-DDE      | 6.020 | 5.081 | 130.8E6  | 46983262 | 46.781  | 57.217   |
| 13)                         | MA Dieldrin     | 6.160 | 5.200 | 142.8E6  | 53932485 | 43.470  | 55.588 # |
| 14)                         | MA Endrin       | 6.389 | 5.473 | 128.3E6  | 48124095 | 45.006  | 53.530   |
| 15)                         | B Endosulfa...  | 6.611 | 5.771 | 118.7E6  | 47081033 | 43.092  | 49.510   |
| 16)                         | A 4,4'-DDD      | 6.538 | 5.637 | 108.6E6  | 38083685 | 53.905  | 54.714   |
| 17)                         | MA 4,4'-DDT     | 6.853 | 5.888 | 118.8E6  | 44809647 | 50.410  | 56.667   |
| 18)                         | B Endrin al...  | 6.742 | 5.953 | 95010186 | 38314391 | 46.878  | 51.380   |
| 19)                         | B Endosulfa...  | 6.978 | 6.177 | 110.1E6  | 44713524 | 43.880  | 49.565   |
| 20)                         | A Methoxychlor  | 7.339 | 6.473 | 64528347 | 27366500 | 46.203  | 52.020   |
| 21)                         | B Endrin ke...  | 7.460 | 6.679 | 126.7E6  | 50181900 | 43.981  | 43.659   |
| 22)                         | Mirex           | 7.933 | 6.856 | 111.0E6  | 50557418 | 50.146  | 53.604   |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101123\  
Data File : PL085857.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Oct 2023 15:44  
Operator : AR\AJ  
Sample : 04830-01MSD  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

RT-2327MSD

## Manual Integrations

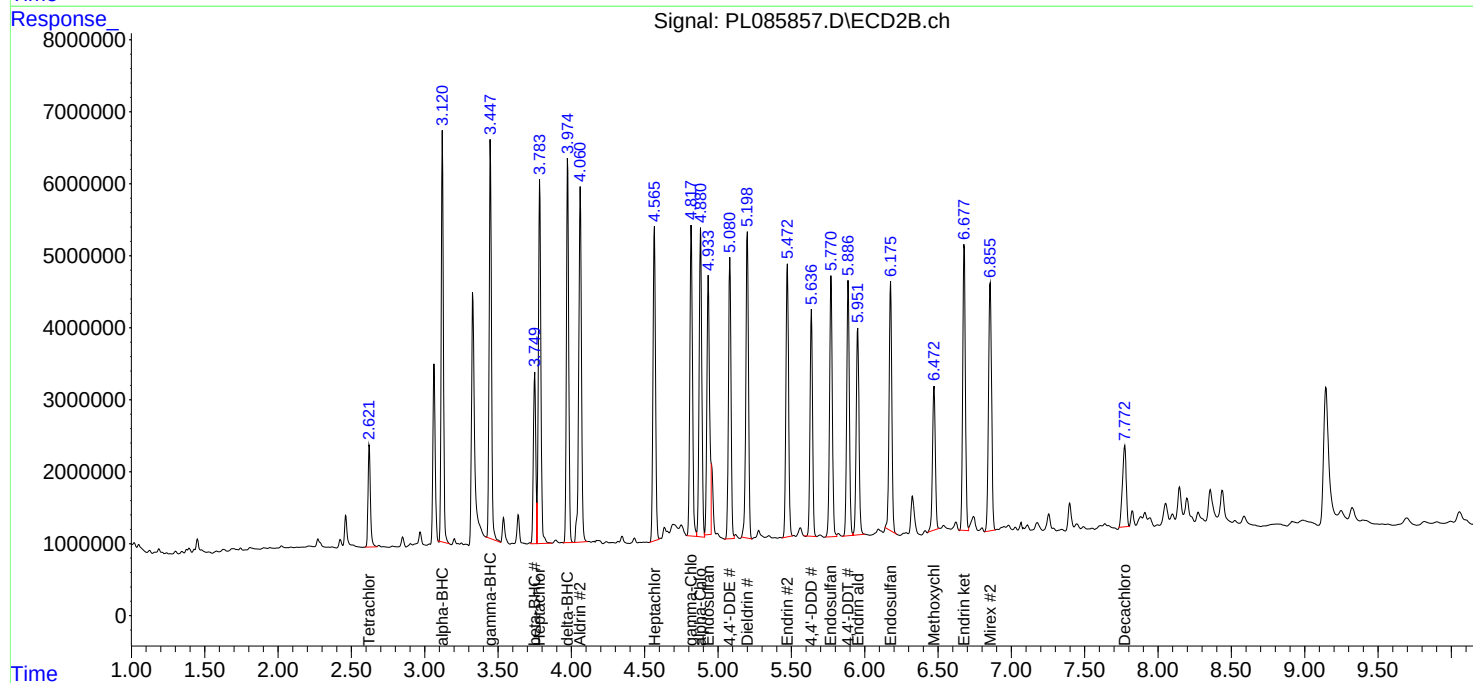
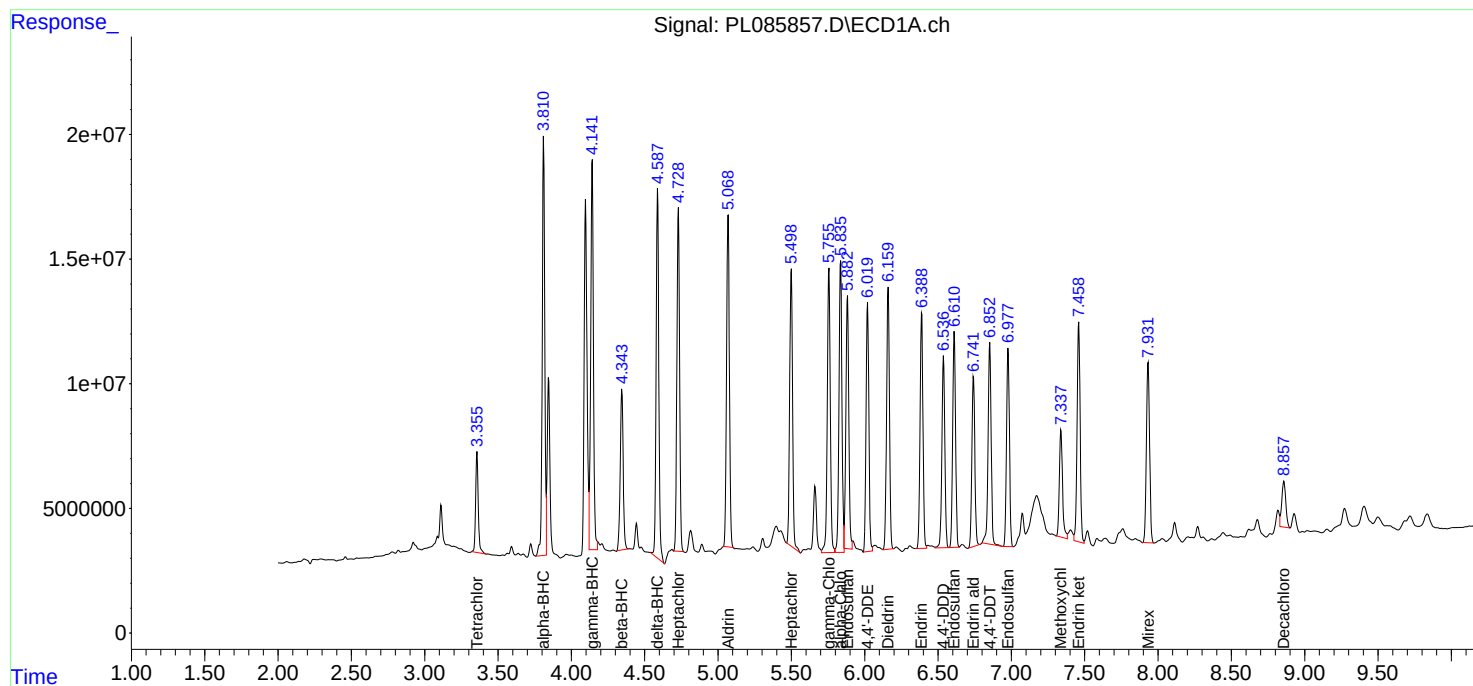
## APPROVED

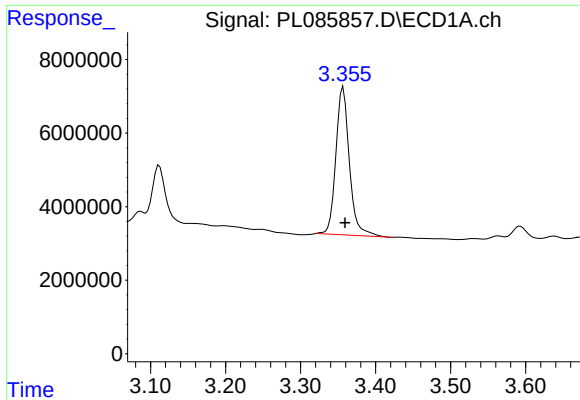
Reviewed By :Abdul Mirza 10/12/2023

Supervised By :Ankita Jodhani 10/12/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 11 21:49:21 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





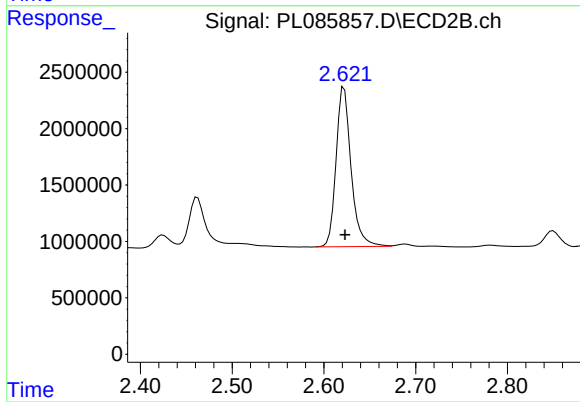
#1 Tetrachloro-m-xylene

R.T.: 3.357 min  
Delta R.T.: -0.002 min  
Response: 50432265  
Conc: 16.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

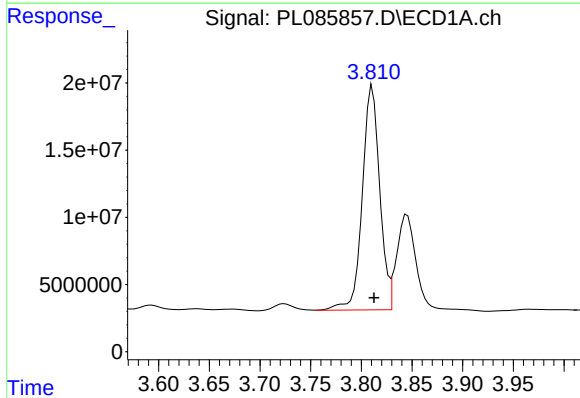
Manual Integrations  
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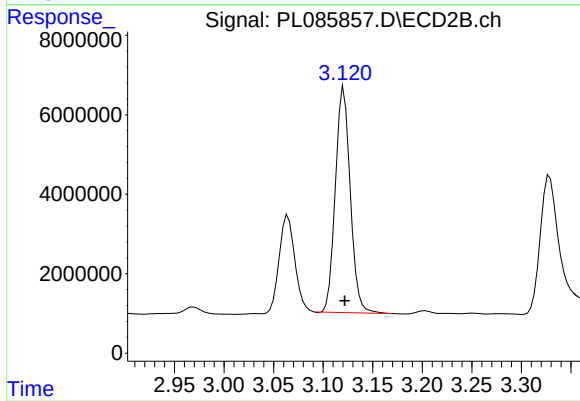
#1 Tetrachloro-m-xylene

R.T.: 2.622 min  
Delta R.T.: 0.000 min  
Response: 16151877  
Conc: 17.29 ng/ml



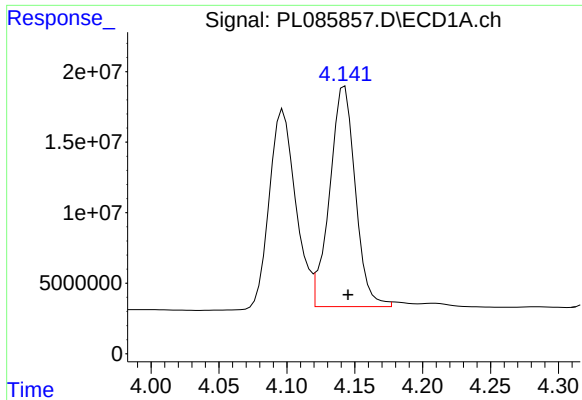
#2 alpha-BHC

R.T.: 3.811 min  
Delta R.T.: -0.002 min  
Response: 199667007  
Conc: 46.52 ng/ml



#2 alpha-BHC

R.T.: 3.121 min  
Delta R.T.: 0.000 min  
Response: 59247268  
Conc: 47.09 ng/ml



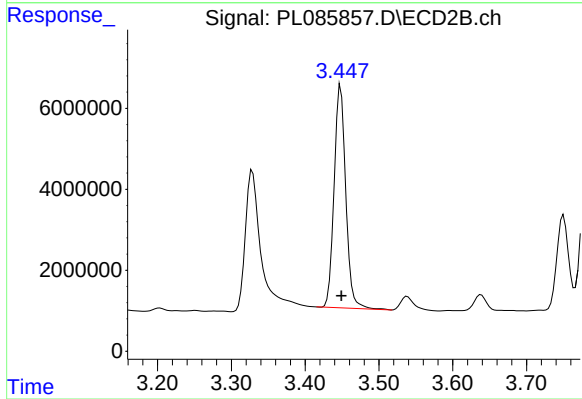
#3 gamma-BHC (Lindane)

R.T.: 4.141 min  
Delta R.T.: -0.004 min  
Response: 203855338  
Conc: 49.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

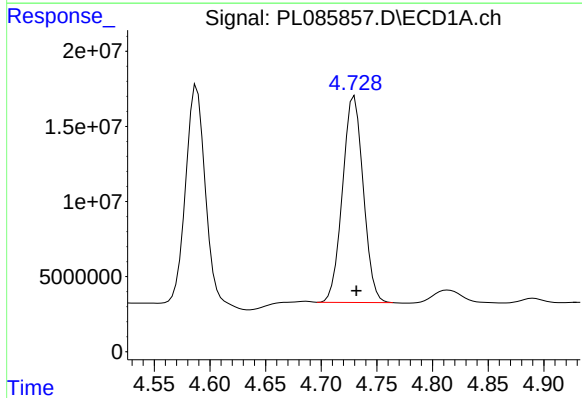
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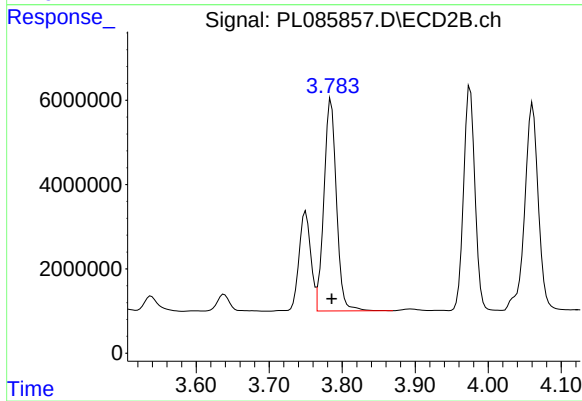
#3 gamma-BHC (Lindane)

R.T.: 3.448 min  
Delta R.T.: 0.000 min  
Response: 60434183  
Conc: 49.00 ng/ml



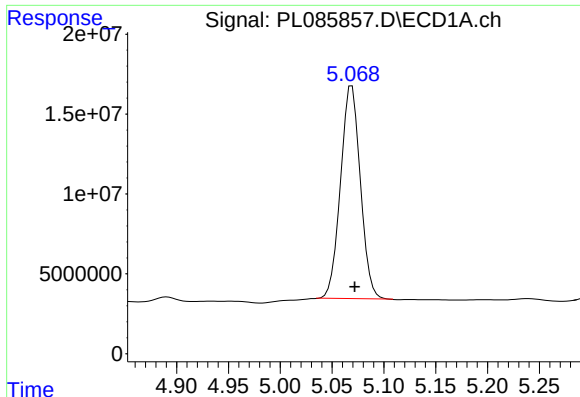
#4 Heptachlor

R.T.: 4.728 min  
Delta R.T.: -0.003 min  
Response: 178202522  
Conc: 46.08 ng/ml m



#4 Heptachlor

R.T.: 3.785 min  
Delta R.T.: 0.000 min  
Response: 60088007  
Conc: 51.66 ng/ml



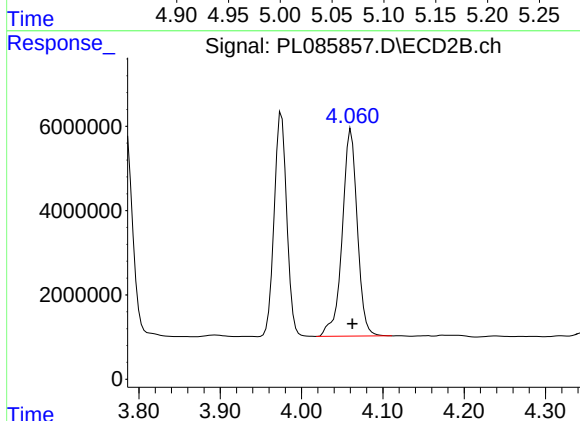
#5 Aldrin

R.T.: 5.068 min  
Delta R.T.: -0.004 min  
Response: 176930473  
Conc: 45.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

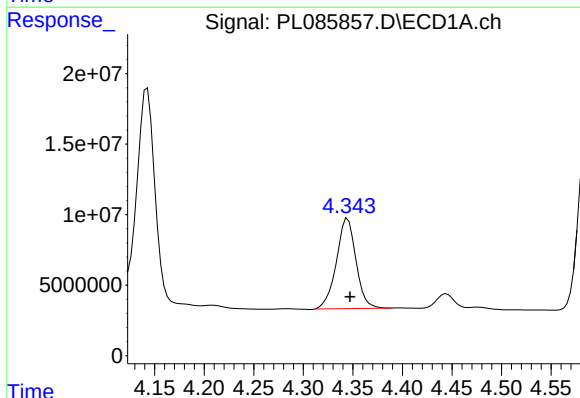
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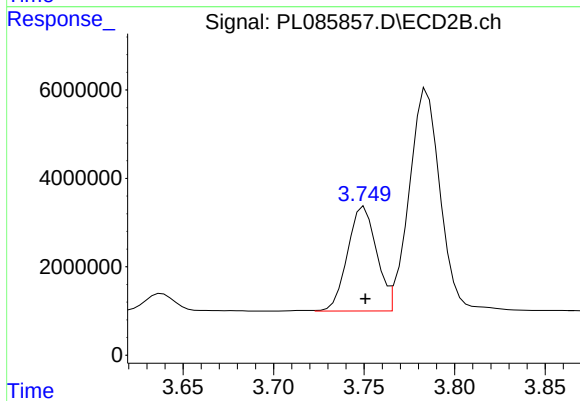
#5 Aldrin

R.T.: 4.061 min  
Delta R.T.: -0.002 min  
Response: 63058555  
Conc: 56.39 ng/ml



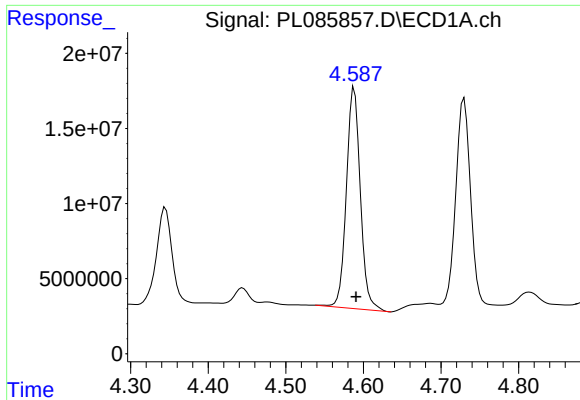
#6 beta-BHC

R.T.: 4.345 min  
Delta R.T.: -0.002 min  
Response: 88049567  
Conc: 53.25 ng/ml



#6 beta-BHC

R.T.: 3.750 min  
Delta R.T.: 0.000 min  
Response: 26272551  
Conc: 50.47 ng/ml



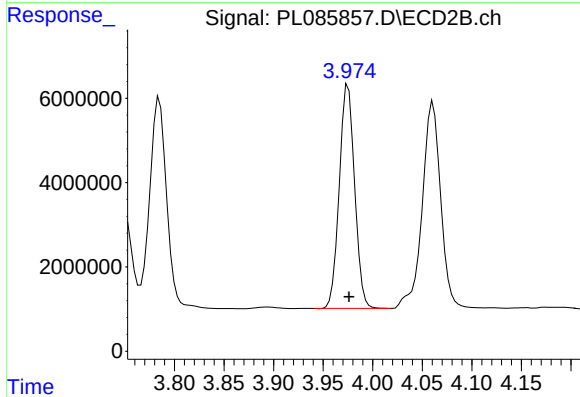
#7 delta-BHC

R.T.: 4.588 min  
Delta R.T.: -0.002 min  
Response: 184366236  
Conc: 48.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

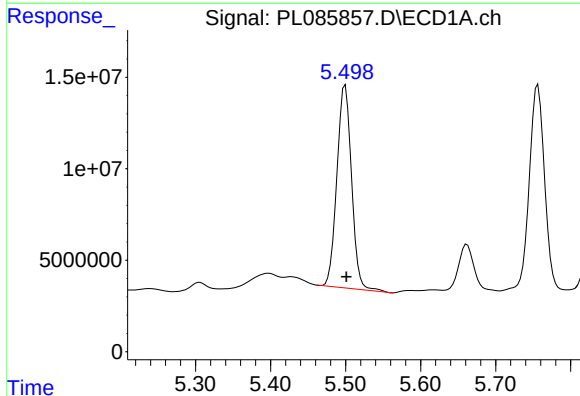
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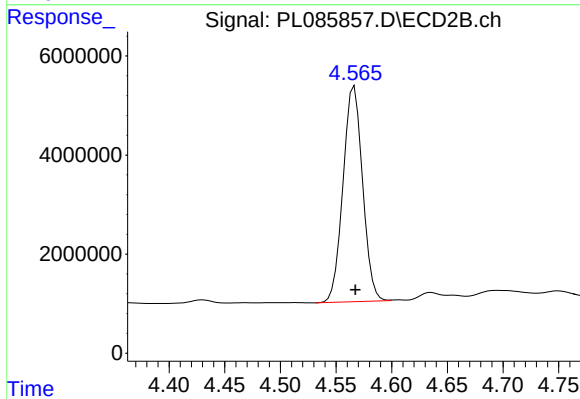
#7 delta-BHC

R.T.: 3.975 min  
Delta R.T.: 0.000 min  
Response: 57177154  
Conc: 49.76 ng/ml



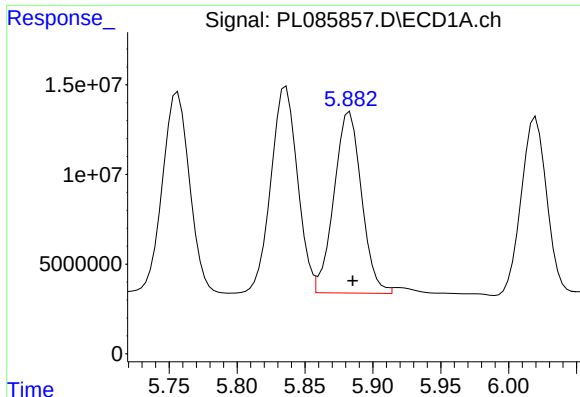
#8 Heptachlor epoxide

R.T.: 5.500 min  
Delta R.T.: -0.001 min  
Response: 150869010  
Conc: 43.73 ng/ml



#8 Heptachlor epoxide

R.T.: 4.566 min  
Delta R.T.: -0.001 min  
Response: 53180878  
Conc: 52.95 ng/ml



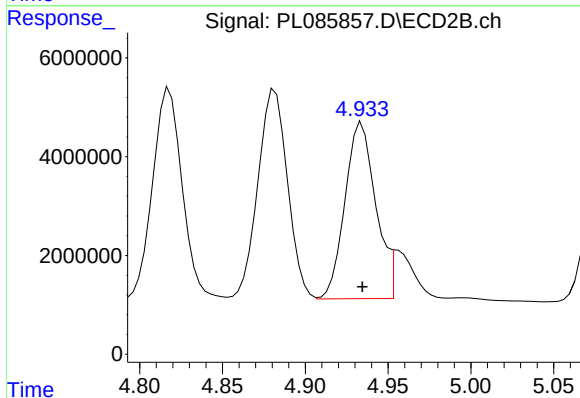
#9 Endosulfan I

R.T.: 5.882 min  
Delta R.T.: -0.003 min  
Response: 142653888  
Conc: 44.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

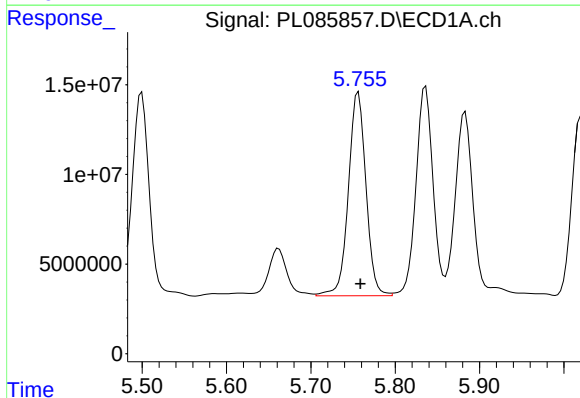
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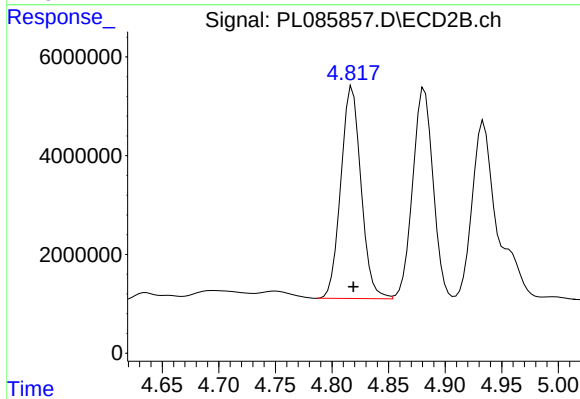
#9 Endosulfan I

R.T.: 4.933 min  
Delta R.T.: -0.002 min  
Response: 48109760  
Conc: 44.85 ng/ml m



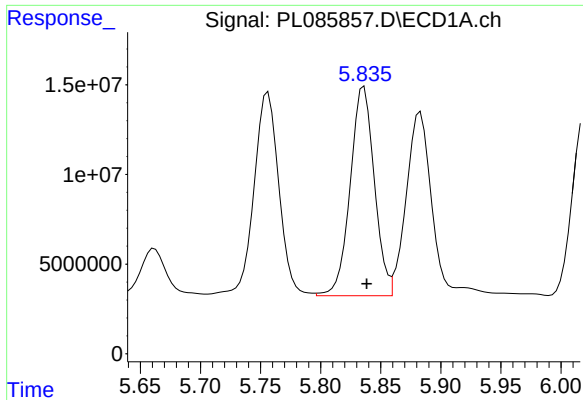
#10 gamma-Chlordane

R.T.: 5.756 min  
Delta R.T.: -0.003 min  
Response: 164717464  
Conc: 48.14 ng/ml



#10 gamma-Chlordane

R.T.: 4.818 min  
Delta R.T.: 0.000 min  
Response: 53410227  
Conc: 53.93 ng/ml



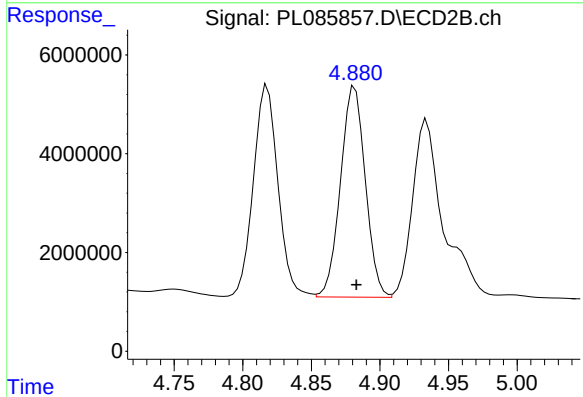
#11 alpha-Chlordane

R.T.: 5.836 min  
Delta R.T.: -0.002 min  
Response: 163330140  
Conc: 47.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

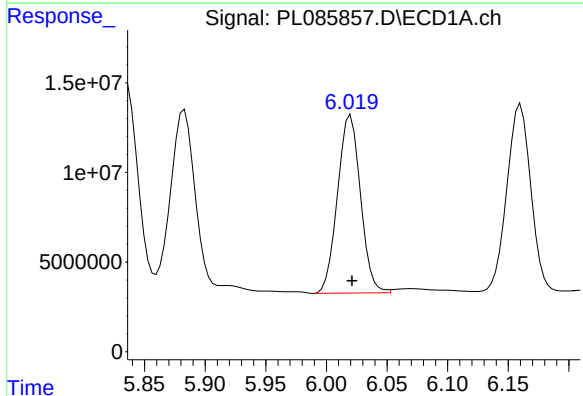
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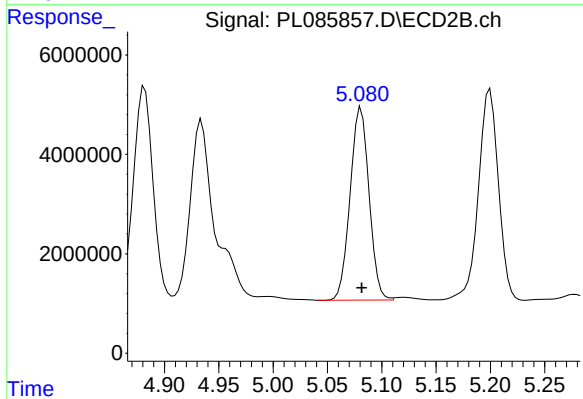
#11 alpha-Chlordane

R.T.: 4.882 min  
Delta R.T.: -0.001 min  
Response: 53791986  
Conc: 49.32 ng/ml



#12 4,4'-DDE

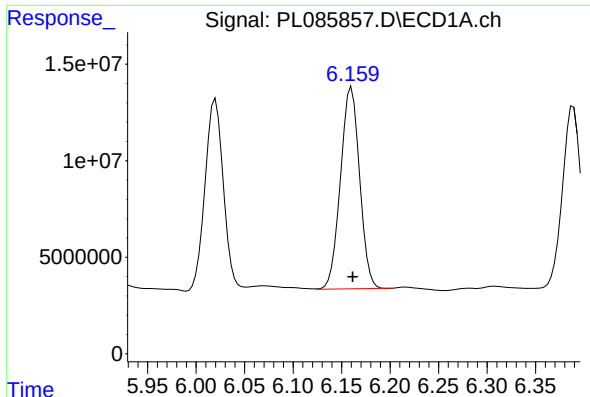
R.T.: 6.020 min  
Delta R.T.: -0.001 min  
Response: 130826220  
Conc: 46.78 ng/ml



#12 4,4'-DDE

R.T.: 5.081 min  
Delta R.T.: 0.000 min  
Response: 46983262  
Conc: 57.22 ng/ml





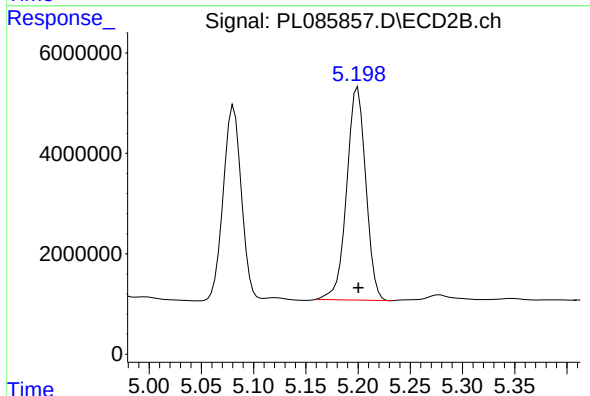
#13 Dieldrin

R.T.: 6.160 min  
Delta R.T.: -0.001 min  
Response: 142841769  
Conc: 43.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

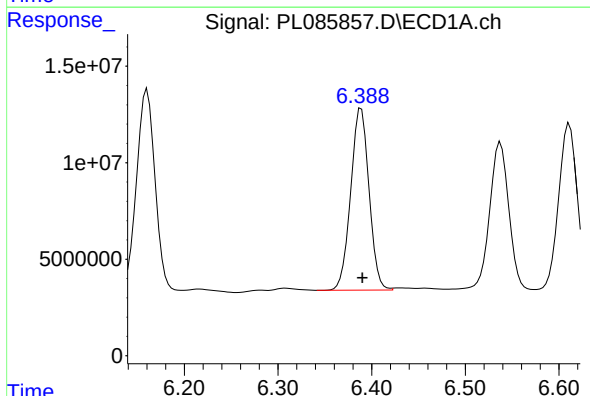
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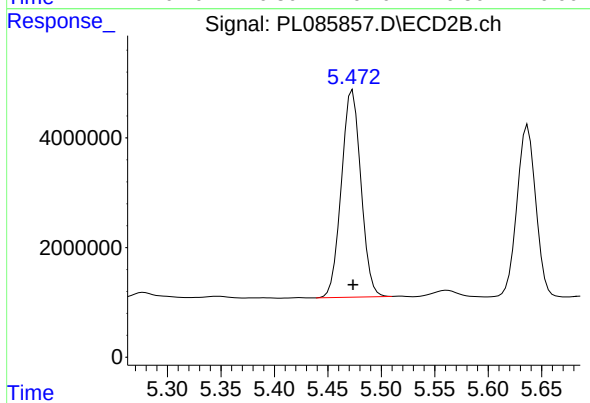
#13 Dieldrin

R.T.: 5.200 min  
Delta R.T.: 0.000 min  
Response: 53932485  
Conc: 55.59 ng/ml



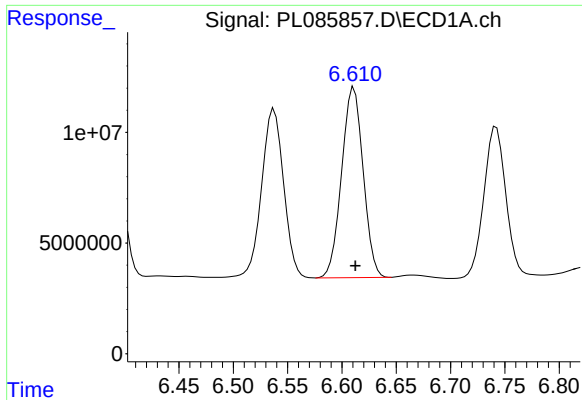
#14 Endrin

R.T.: 6.389 min  
Delta R.T.: -0.001 min  
Response: 128257003  
Conc: 45.01 ng/ml



#14 Endrin

R.T.: 5.473 min  
Delta R.T.: 0.000 min  
Response: 48124095  
Conc: 53.53 ng/ml



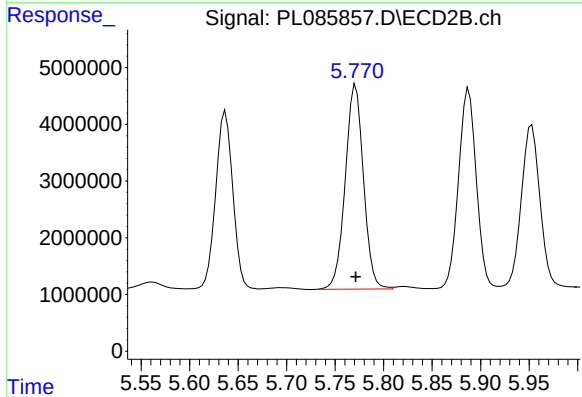
#15 Endosulfan II

R.T.: 6.611 min  
Delta R.T.: -0.001 min  
Response: 118738953  
Conc: 43.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

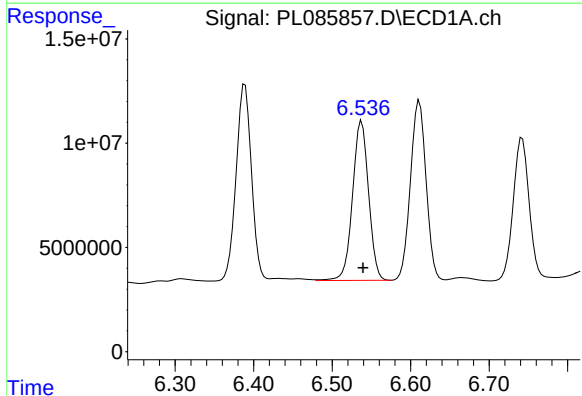
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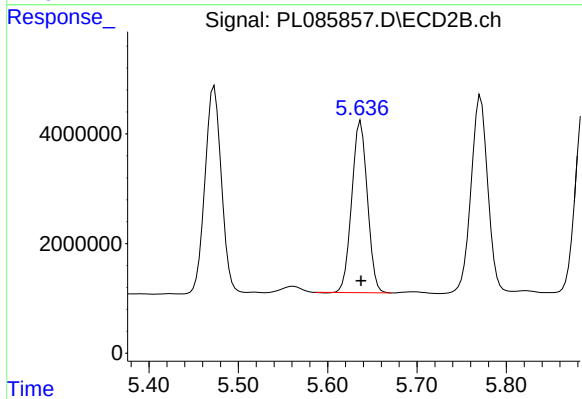
#15 Endosulfan II

R.T.: 5.771 min  
Delta R.T.: 0.000 min  
Response: 47081033  
Conc: 49.51 ng/ml



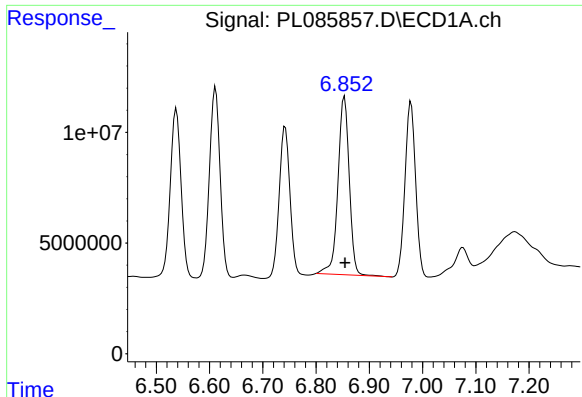
#16 4,4'-DDD

R.T.: 6.538 min  
Delta R.T.: -0.002 min  
Response: 108600952  
Conc: 53.91 ng/ml



#16 4,4'-DDD

R.T.: 5.637 min  
Delta R.T.: 0.000 min  
Response: 38083685  
Conc: 54.71 ng/ml



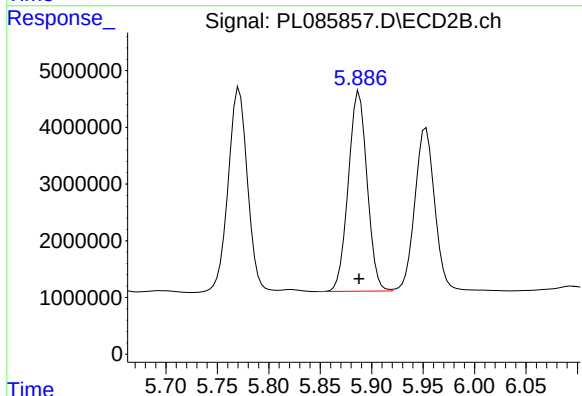
#17 4,4'-DDT

R.T.: 6.853 min  
Delta R.T.: 0.000 min  
Response: 118822125  
Conc: 50.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

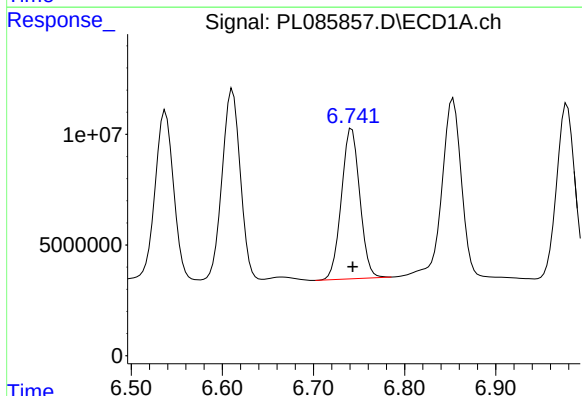
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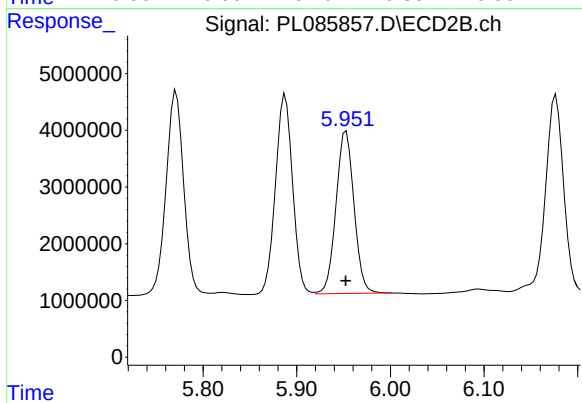
#17 4,4'-DDT

R.T.: 5.888 min  
Delta R.T.: 0.000 min  
Response: 44809647  
Conc: 56.67 ng/ml



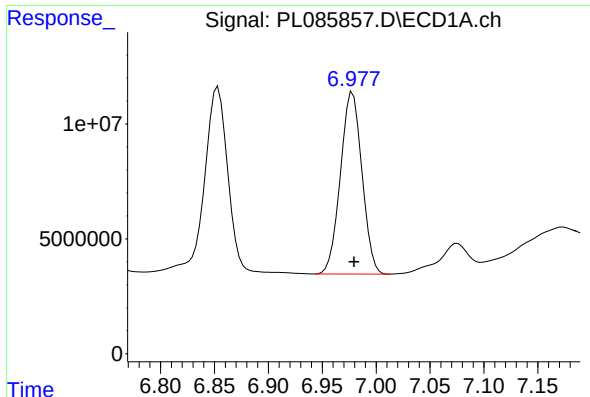
#18 Endrin aldehyde

R.T.: 6.742 min  
Delta R.T.: 0.000 min  
Response: 95010186  
Conc: 46.88 ng/ml



#18 Endrin aldehyde

R.T.: 5.953 min  
Delta R.T.: 0.000 min  
Response: 38314391  
Conc: 51.38 ng/ml



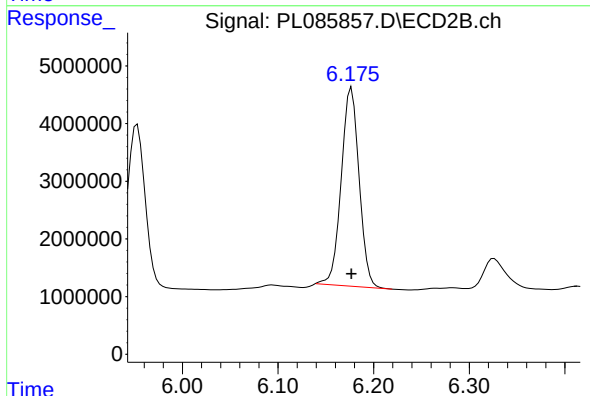
#19 Endosulfan Sulfate

R.T.: 6.978 min  
Delta R.T.: -0.001 min  
Response: 110127581  
Conc: 43.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

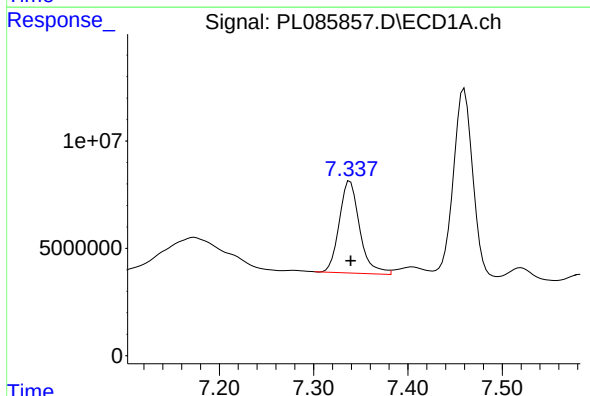
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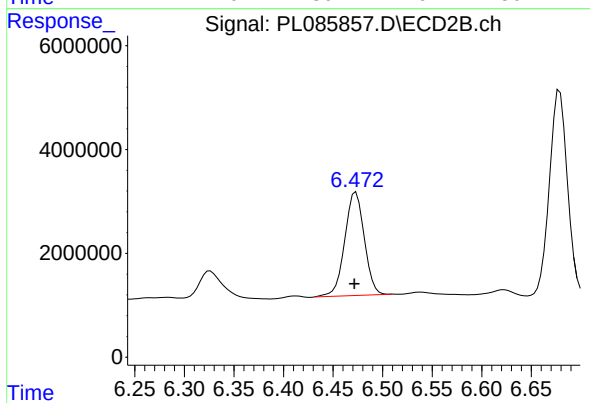
#19 Endosulfan Sulfate

R.T.: 6.177 min  
Delta R.T.: 0.000 min  
Response: 44713524  
Conc: 49.57 ng/ml



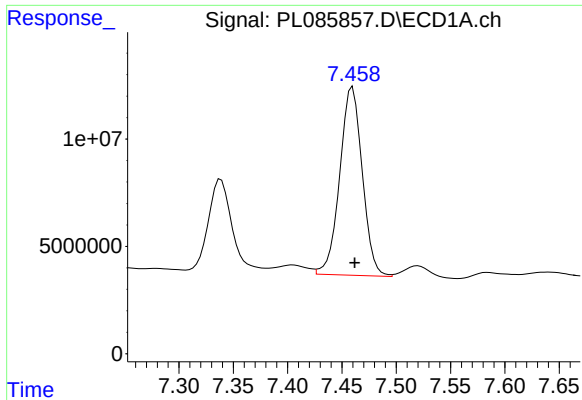
#20 Methoxychlor

R.T.: 7.339 min  
Delta R.T.: 0.000 min  
Response: 64528347  
Conc: 46.20 ng/ml



#20 Methoxychlor

R.T.: 6.473 min  
Delta R.T.: 0.002 min  
Response: 27366500  
Conc: 52.02 ng/ml



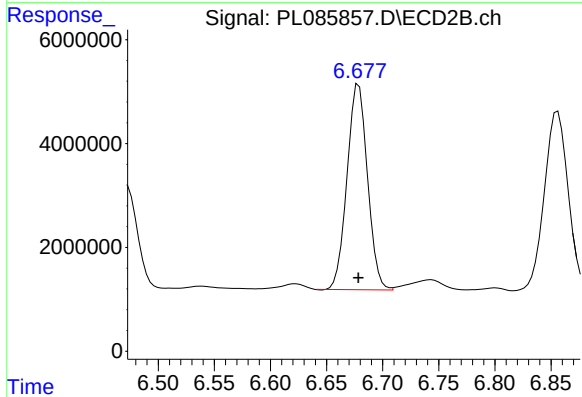
#21 Endrin ketone

R.T.: 7.460 min  
Delta R.T.: -0.002 min  
Response: 126677015  
Conc: 43.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

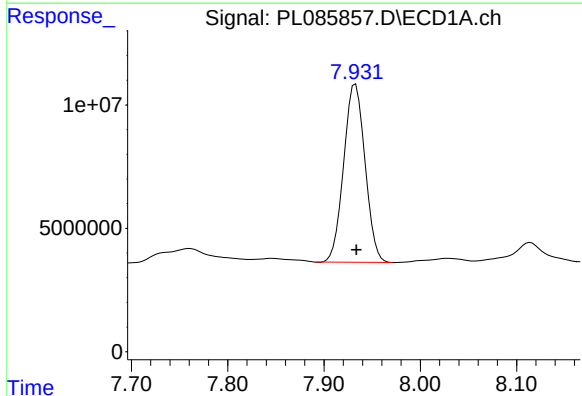
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/12/2023  
Supervised By :Ankita Jodhani 10/12/2023



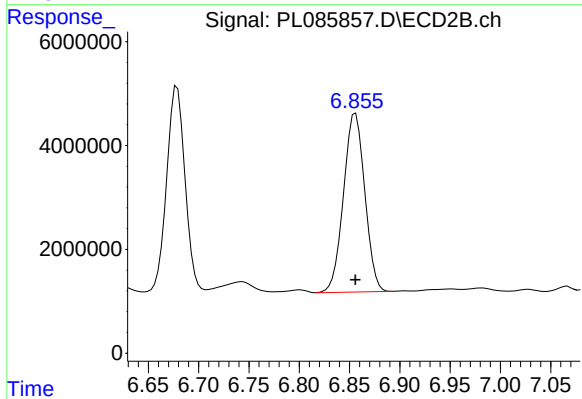
#21 Endrin ketone

R.T.: 6.679 min  
Delta R.T.: 0.000 min  
Response: 50181900  
Conc: 43.66 ng/ml



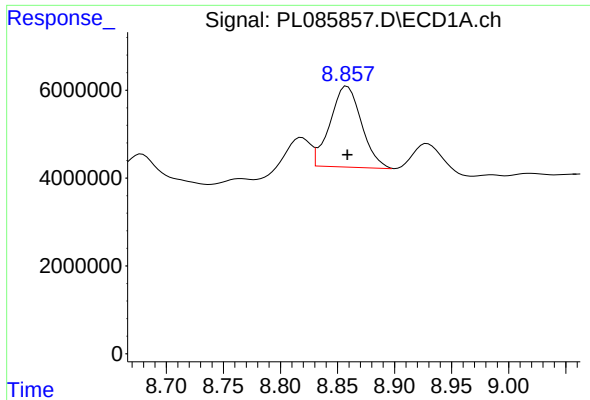
#22 Mirex

R.T.: 7.933 min  
Delta R.T.: 0.000 min  
Response: 111022931  
Conc: 50.15 ng/ml



#22 Mirex

R.T.: 6.856 min  
Delta R.T.: 0.000 min  
Response: 50557418  
Conc: 53.60 ng/ml



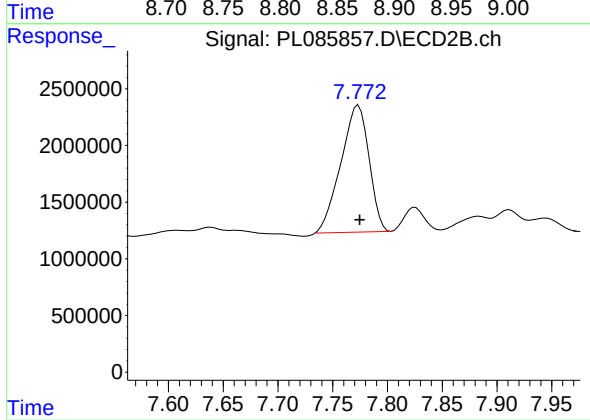
#28 Decachlorobiphenyl

R.T.: 8.857 min  
Delta R.T.: -0.002 min  
Response: 35068864  
Conc: 16.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RT-2327MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/12/2023  
Supervised By :Ankita Jodhani 10/12/2023



#28 Decachlorobiphenyl

R.T.: 7.774 min  
Delta R.T.: -0.001 min  
Response: 20019299  
Conc: 21.69 ng/ml