

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL081123\  
 Data File : PL084675.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Aug 2023 12:25  
 Operator : AR\AJ  
 Sample : 03944-01MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 IDW-S-20230808MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 08/14/2023  
 Supervised By : Ankita Jodhani 08/14/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 11 23:04:26 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL080323.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Aug 03 16:21:43 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...          | 3.477 | 2.685 | 43721330 | 18394181 | 18.817 | 16.916  |
| 28) SA Decachlor...         | 9.027 | 7.867 | 31699529 | 23224424 | 19.482 | 18.627  |
| Target Compounds            |       |       |          |          |        |         |
| 2) A alpha-BHC              | 3.934 | 3.190 | 169.8E6  | 88494188 | 51.427 | 57.312  |
| 3) MA gamma-BHC...          | 4.269 | 3.521 | 158.0E6  | 77974288 | 49.535 | 51.315  |
| 4) MA Heptachlor            | 4.861 | 3.861 | 184.6E6  | 77971469 | 54.906 | 54.750m |
| 5) MB Aldrin                | 5.204 | 4.141 | 159.6E6  | 74858314 | 48.272 | 51.506  |
| 6) B beta-BHC               | 4.468 | 3.821 | 69015901 | 32298188 | 49.406 | 48.205m |
| 7) B delta-BHC              | 4.715 | 4.051 | 160.6E6  | 76132666 | 49.816 | 50.146  |
| 8) B Heptachlo...           | 5.633 | 4.648 | 152.3E6  | 69365856 | 50.546 | 52.280  |
| 9) A Endosulfan I           | 6.019 | 5.019 | 133.2E6  | 65827533 | 50.620 | 53.117  |
| 10) B gamma-Chl...          | 5.891 | 4.901 | 142.4E6  | 73496732 | 49.723 | 54.191  |
| 11) B alpha-Chl...          | 5.970 | 4.966 | 139.2E6  | 72330696 | 49.304 | 53.087  |
| 12) B 4,4'-DDE              | 6.150 | 5.163 | 120.7E6  | 66755886 | 52.592 | 54.209  |
| 13) MA Dieldrin             | 6.297 | 5.285 | 128.9E6  | 70061172 | 48.783 | 51.599  |
| 14) MA Endrin               | 6.526 | 5.561 | 111.2E6  | 65131171 | 51.005 | 53.246  |
| 15) B Endosulfa...          | 6.748 | 5.858 | 100.1E6  | 59612307 | 47.344 | 49.406  |
| 16) A 4,4'-DDD              | 6.669 | 5.721 | 87476231 | 55763178 | 52.175 | 53.969  |
| 17) MA 4,4'-DDT             | 6.984 | 5.974 | 99181776 | 62690694 | 52.933 | 54.018  |
| 18) B Endrin al...          | 6.878 | 6.040 | 78565206 | 47683501 | 46.572 | 48.080  |
| 19) B Endosulfa...          | 7.114 | 6.265 | 94031200 | 62779129 | 47.070 | 52.792  |
| 20) A Methoxychlor          | 7.467 | 6.559 | 48757033 | 35361022 | 50.805 | 51.539  |
| 21) B Endrin ke...          | 7.598 | 6.770 | 98232426 | 72802850 | 49.106 | 50.459  |
| 22) Mirex                   | 8.074 | 6.951 | 80250755 | 56157443 | 48.320 | 48.694  |
| -----                       |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL081123\  
 Data File : PL084675.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Aug 2023 12:25  
 Operator : AR\AJ  
 Sample : 03944-01MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

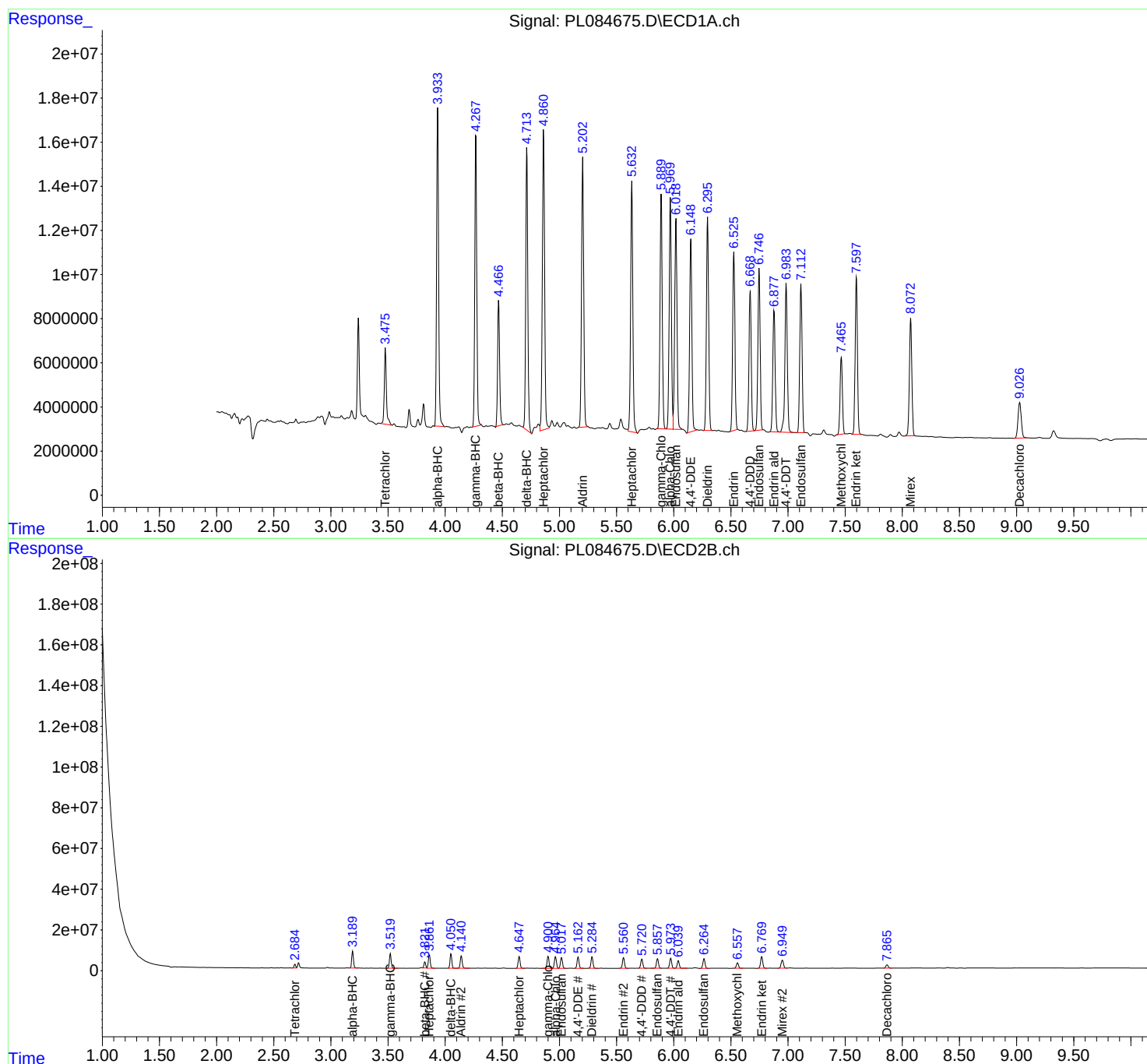
Instrument :  
 ECD\_L  
 ClientSampleId :  
 IDW-S-20230808MSD

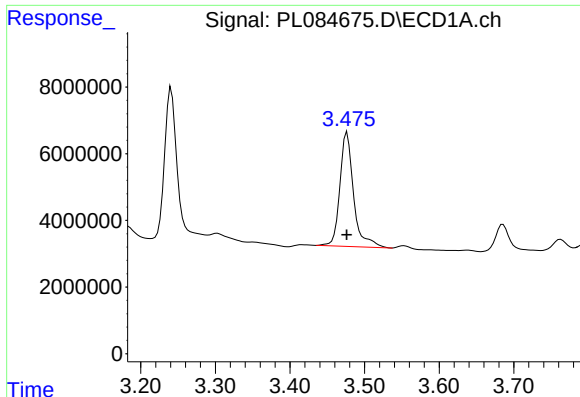
### Manual Integrations APPROVED

Reviewed By :Abdul Mirza 08/14/2023  
 Supervised By :Ankita Jodhani 08/14/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 11 23:04:26 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL080323.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Aug 03 16:21:43 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





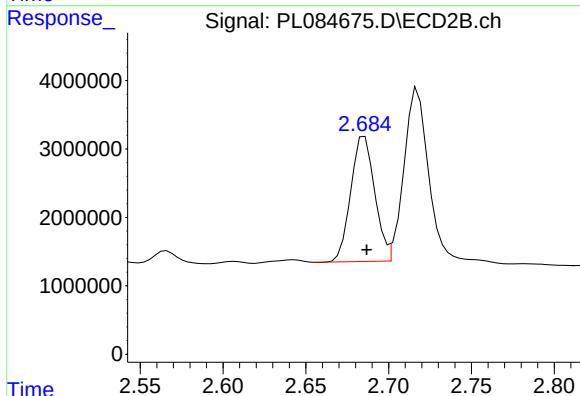
#1 Tetrachloro-m-xylene

R.T.: 3.477 min  
Delta R.T.: 0.000 min  
Response: 43721330  
Conc: 18.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

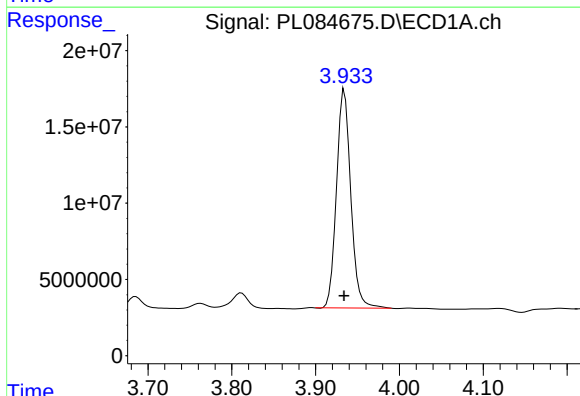
Manual Integrations  
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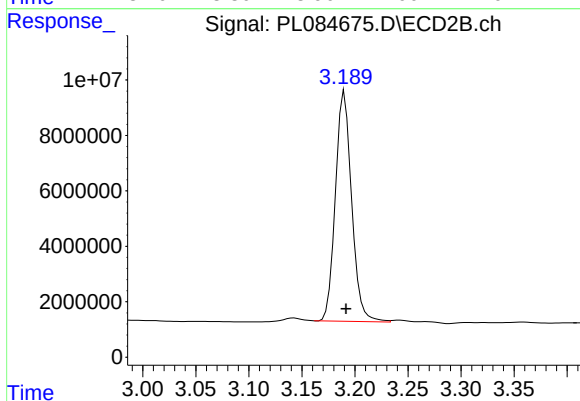
#1 Tetrachloro-m-xylene

R.T.: 2.685 min  
Delta R.T.: -0.001 min  
Response: 18394181  
Conc: 16.92 ng/ml



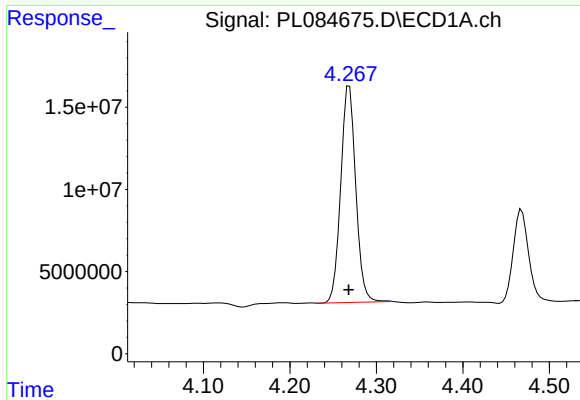
#2 alpha-BHC

R.T.: 3.934 min  
Delta R.T.: 0.000 min  
Response: 169780451  
Conc: 51.43 ng/ml



#2 alpha-BHC

R.T.: 3.190 min  
Delta R.T.: -0.002 min  
Response: 88494188  
Conc: 57.31 ng/ml



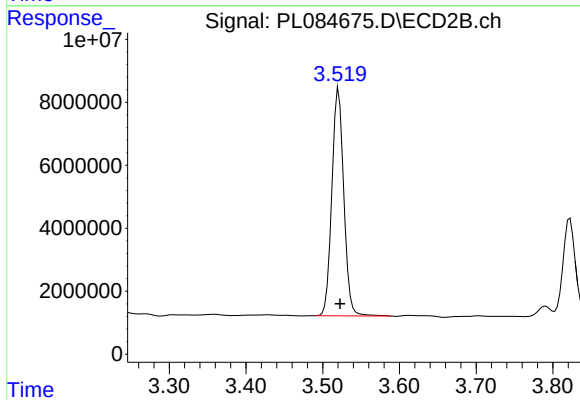
#3 gamma-BHC (Lindane)

R.T.: 4.269 min  
Delta R.T.: 0.000 min  
Response: 158017443  
Conc: 49.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

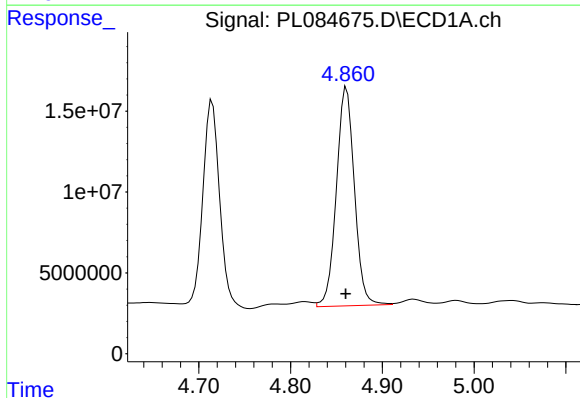
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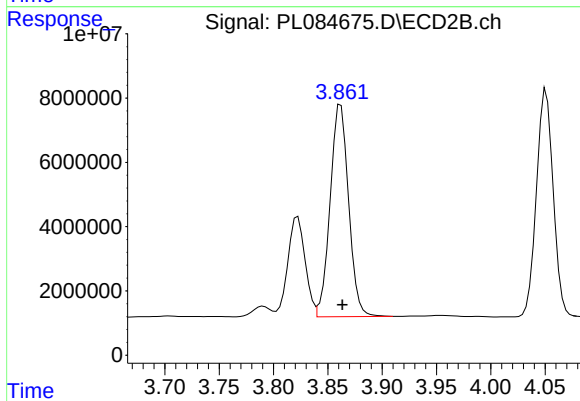
#3 gamma-BHC (Lindane)

R.T.: 3.521 min  
Delta R.T.: -0.002 min  
Response: 77974288  
Conc: 51.31 ng/ml



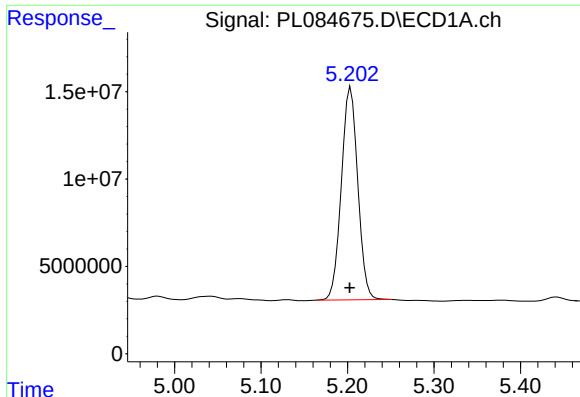
#4 Heptachlor

R.T.: 4.861 min  
Delta R.T.: 0.000 min  
Response: 184642287  
Conc: 54.91 ng/ml



#4 Heptachlor

R.T.: 3.861 min  
Delta R.T.: -0.003 min  
Response: 77971469  
Conc: 54.75 ng/ml m



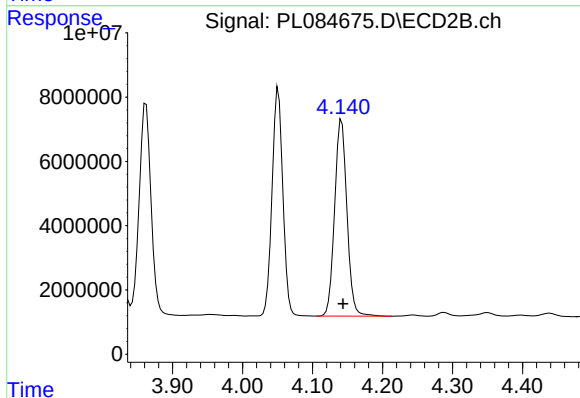
#5 Aldrin

R.T.: 5.204 min  
Delta R.T.: 0.000 min  
Response: 159557660  
Conc: 48.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

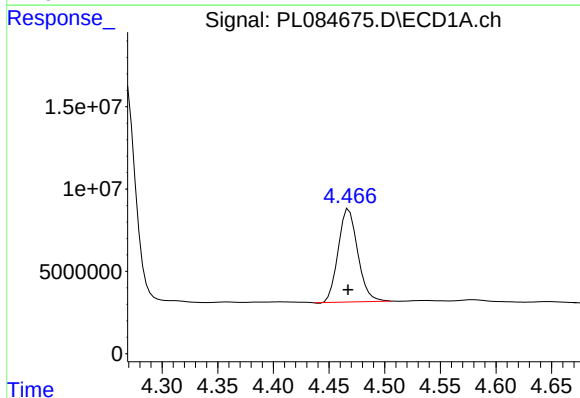
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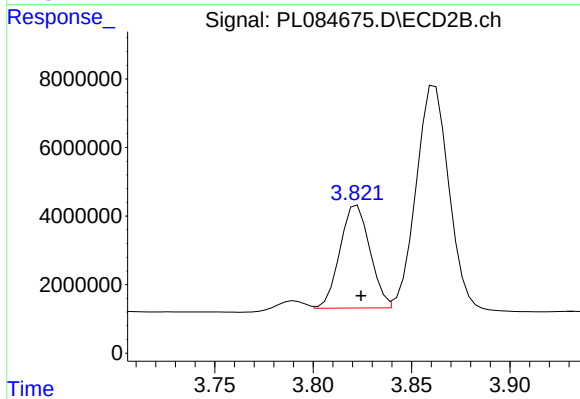
#5 Aldrin

R.T.: 4.141 min  
Delta R.T.: -0.002 min  
Response: 74858314  
Conc: 51.51 ng/ml



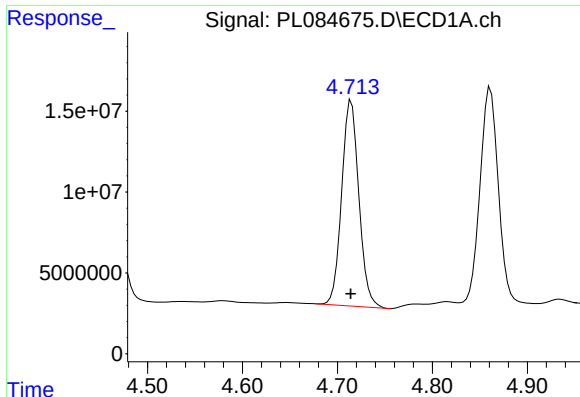
#6 beta-BHC

R.T.: 4.468 min  
Delta R.T.: 0.000 min  
Response: 69015901  
Conc: 49.41 ng/ml



#6 beta-BHC

R.T.: 3.821 min  
Delta R.T.: -0.003 min  
Response: 32298188  
Conc: 48.20 ng/ml m



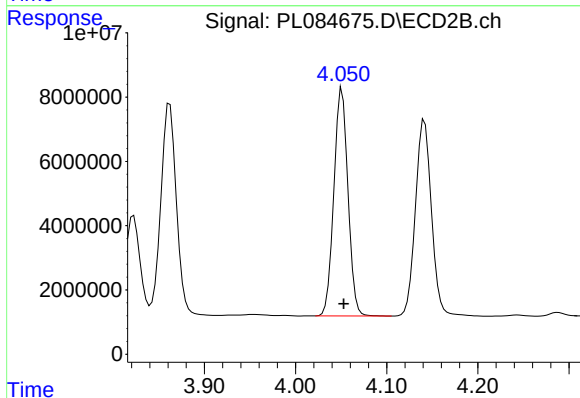
#7 delta-BHC

R.T.: 4.715 min  
Delta R.T.: 0.000 min  
Response: 160643461  
Conc: 49.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

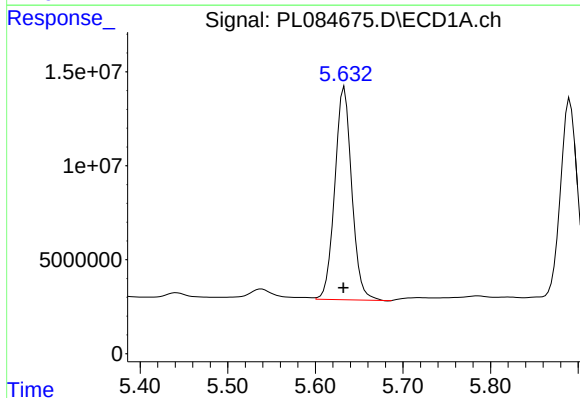
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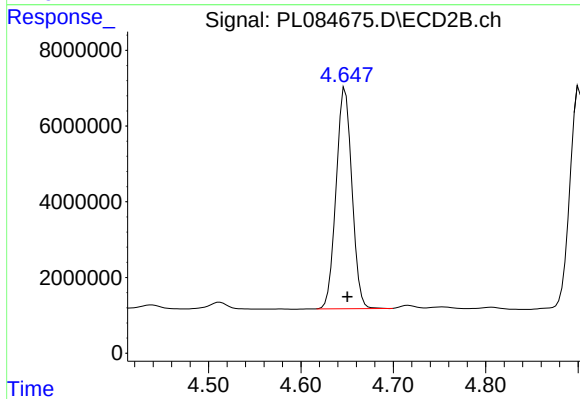
#7 delta-BHC

R.T.: 4.051 min  
Delta R.T.: -0.002 min  
Response: 76132666  
Conc: 50.15 ng/ml



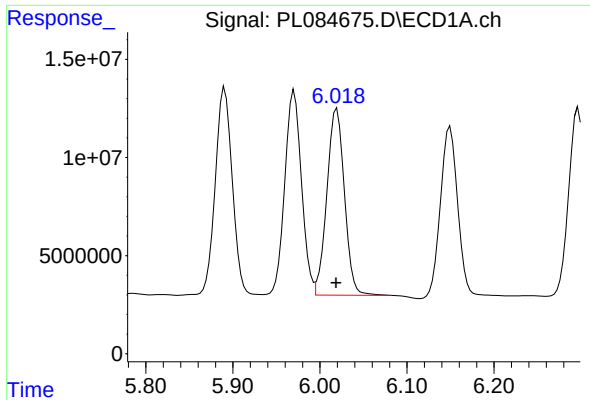
#8 Heptachlor epoxide

R.T.: 5.633 min  
Delta R.T.: 0.001 min  
Response: 152278700  
Conc: 50.55 ng/ml



#8 Heptachlor epoxide

R.T.: 4.648 min  
Delta R.T.: -0.002 min  
Response: 69365856  
Conc: 52.28 ng/ml



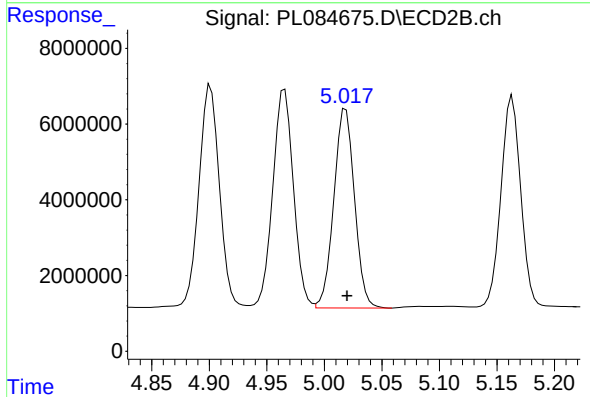
#9 Endosulfan I

R.T.: 6.019 min  
Delta R.T.: 0.001 min  
Response: 133245516  
Conc: 50.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

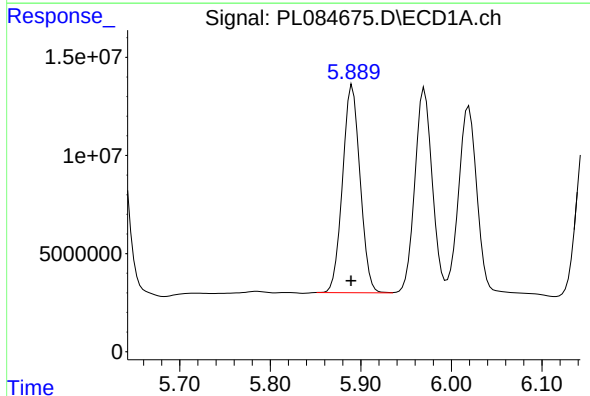
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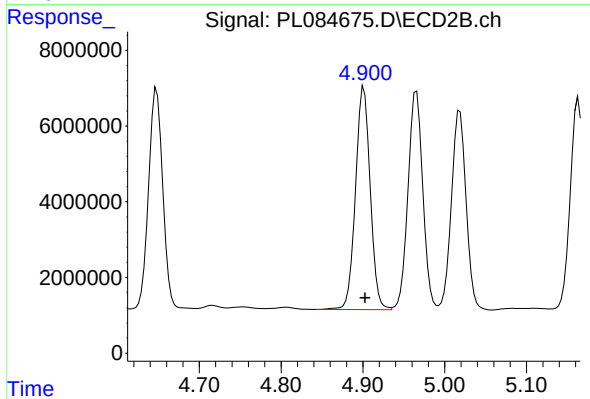
#9 Endosulfan I

R.T.: 5.019 min  
Delta R.T.: -0.001 min  
Response: 65827533  
Conc: 53.12 ng/ml



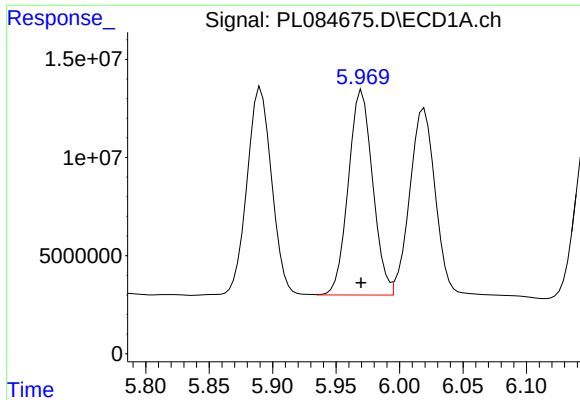
#10 gamma-Chlordane

R.T.: 5.891 min  
Delta R.T.: 0.001 min  
Response: 142388721  
Conc: 49.72 ng/ml



#10 gamma-Chlordane

R.T.: 4.901 min  
Delta R.T.: -0.001 min  
Response: 73496732  
Conc: 54.19 ng/ml



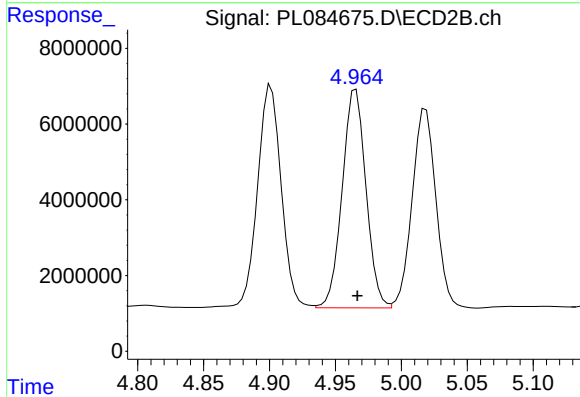
#11 alpha-Chlordane

R.T.: 5.970 min  
Delta R.T.: 0.000 min  
Response: 139194646  
Conc: 49.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

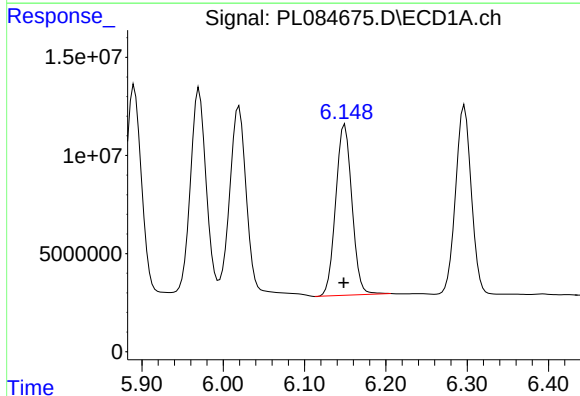
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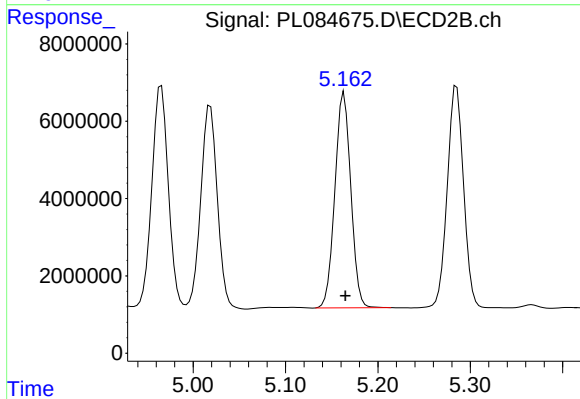
#11 alpha-Chlordane

R.T.: 4.966 min  
Delta R.T.: -0.001 min  
Response: 72330696  
Conc: 53.09 ng/ml



#12 4,4'-DDE

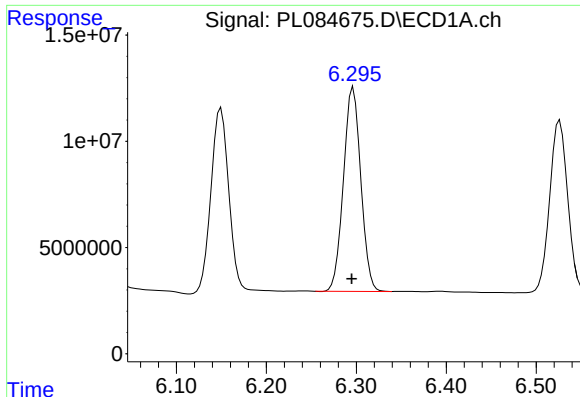
R.T.: 6.150 min  
Delta R.T.: 0.001 min  
Response: 120712676  
Conc: 52.59 ng/ml



#12 4,4'-DDE

R.T.: 5.163 min  
Delta R.T.: -0.002 min  
Response: 66755886  
Conc: 54.21 ng/ml





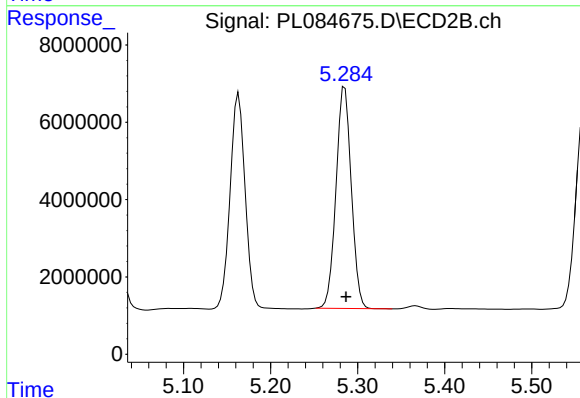
#13 Dieldrin

R.T.: 6.297 min  
Delta R.T.: 0.002 min  
Response: 128913464  
Conc: 48.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

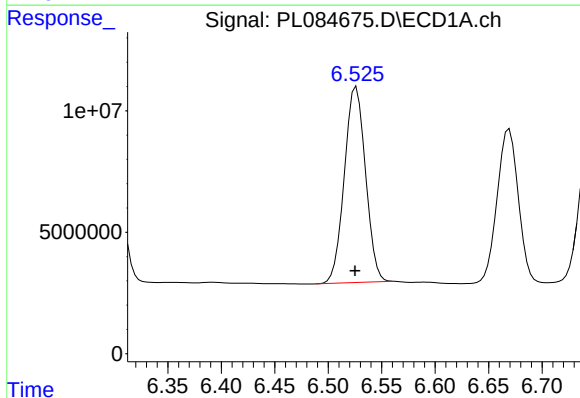
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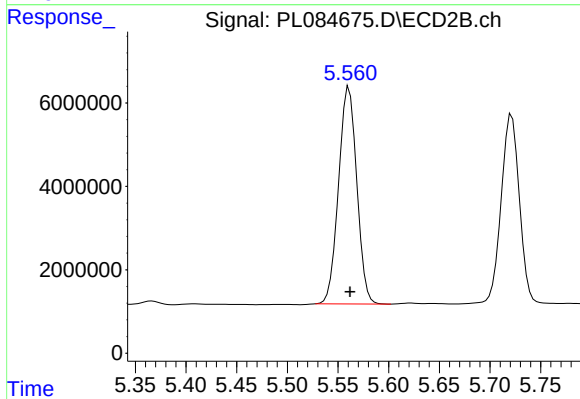
#13 Dieldrin

R.T.: 5.285 min  
Delta R.T.: -0.002 min  
Response: 70061172  
Conc: 51.60 ng/ml



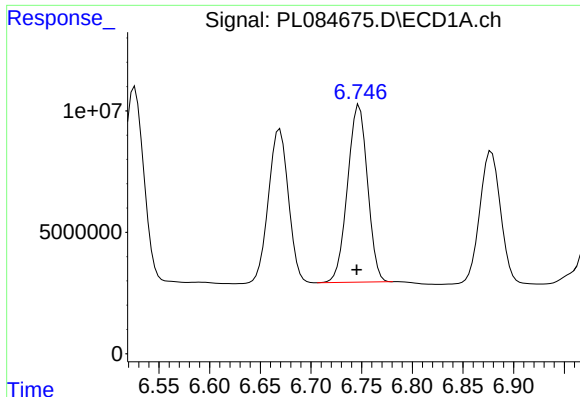
#14 Endrin

R.T.: 6.526 min  
Delta R.T.: 0.001 min  
Response: 111241005  
Conc: 51.00 ng/ml



#14 Endrin

R.T.: 5.561 min  
Delta R.T.: 0.000 min  
Response: 65131171  
Conc: 53.25 ng/ml



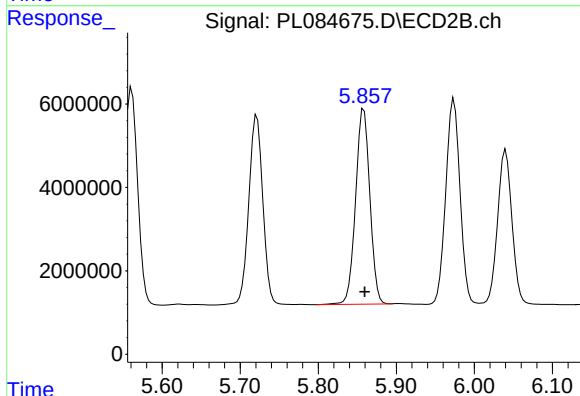
#15 Endosulfan II

R.T.: 6.748 min  
Delta R.T.: 0.002 min  
Response: 100132482  
Conc: 47.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

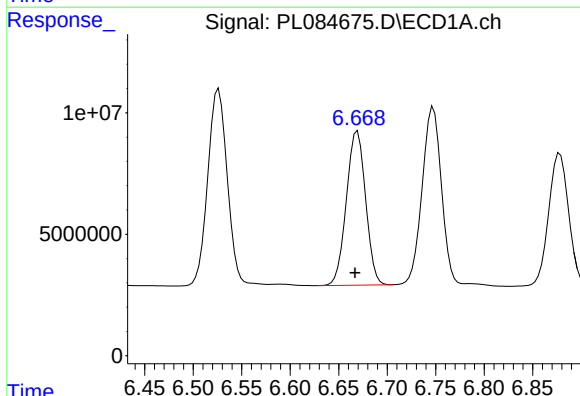
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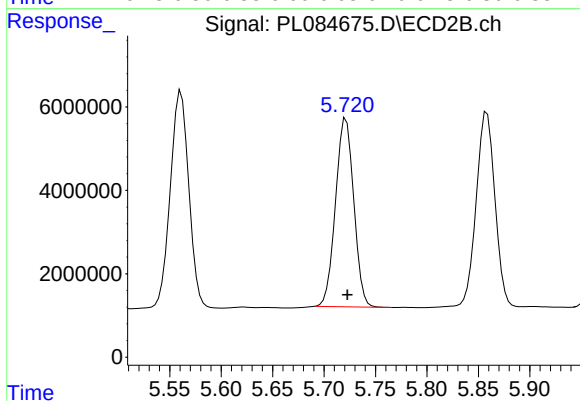
#15 Endosulfan II

R.T.: 5.858 min  
Delta R.T.: -0.001 min  
Response: 59612307  
Conc: 49.41 ng/ml



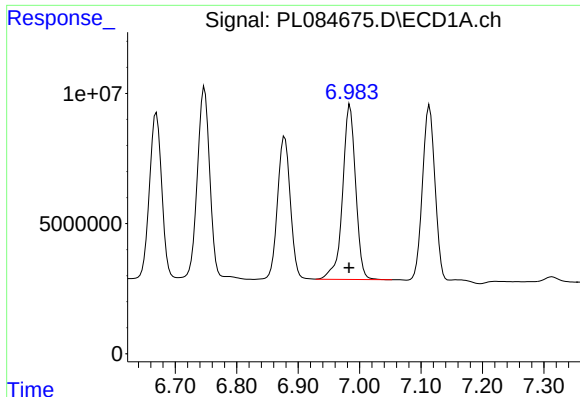
#16 4,4'-DDD

R.T.: 6.669 min  
Delta R.T.: 0.002 min  
Response: 87476231  
Conc: 52.18 ng/ml



#16 4,4'-DDD

R.T.: 5.721 min  
Delta R.T.: -0.001 min  
Response: 55763178  
Conc: 53.97 ng/ml



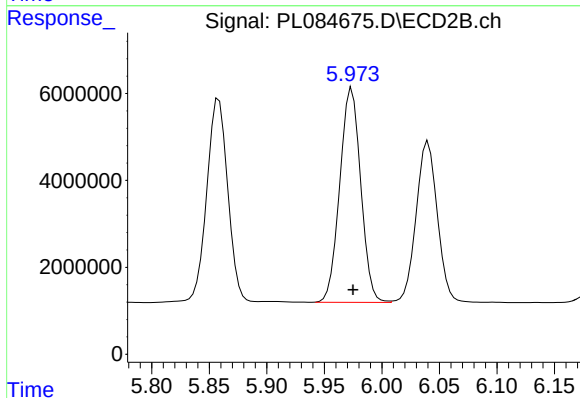
#17 4,4'-DDT

R.T.: 6.984 min  
Delta R.T.: 0.001 min  
Response: 99181776  
Conc: 52.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

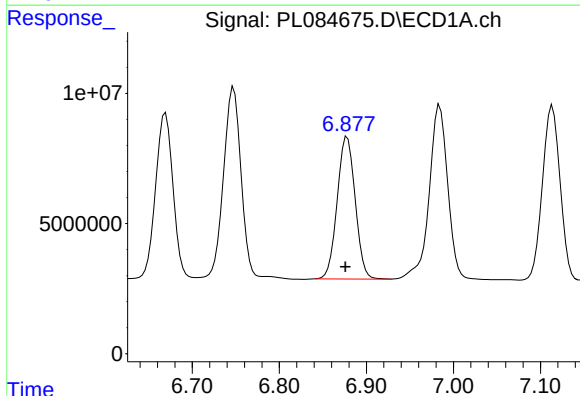
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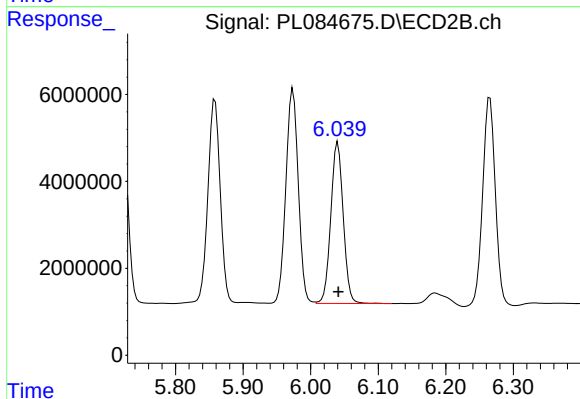
#17 4,4'-DDT

R.T.: 5.974 min  
Delta R.T.: -0.001 min  
Response: 62690694  
Conc: 54.02 ng/ml



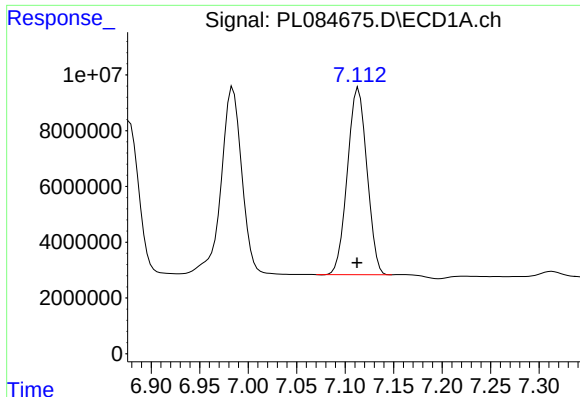
#18 Endrin aldehyde

R.T.: 6.878 min  
Delta R.T.: 0.002 min  
Response: 78565206  
Conc: 46.57 ng/ml



#18 Endrin aldehyde

R.T.: 6.040 min  
Delta R.T.: -0.001 min  
Response: 47683501  
Conc: 48.08 ng/ml



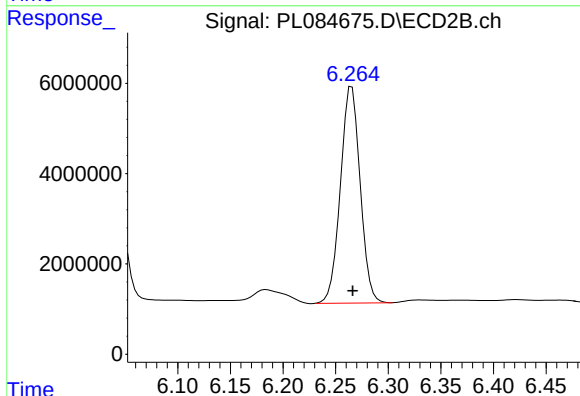
#19 Endosulfan Sulfate

R.T.: 7.114 min  
Delta R.T.: 0.001 min  
Response: 94031200  
Conc: 47.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

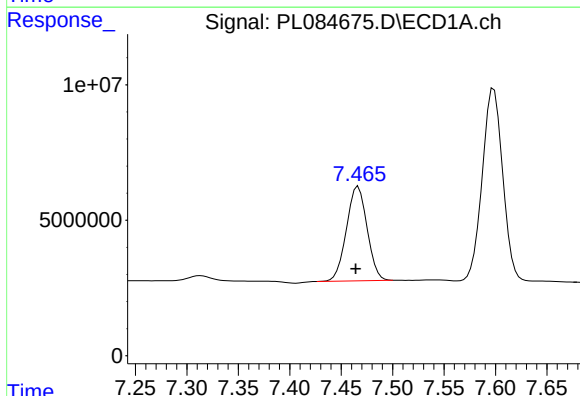
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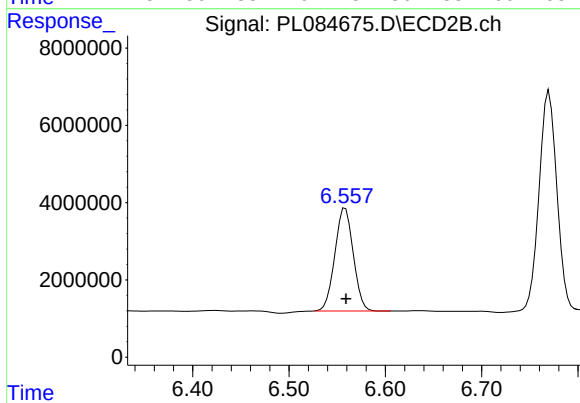
#19 Endosulfan Sulfate

R.T.: 6.265 min  
Delta R.T.: 0.000 min  
Response: 62779129  
Conc: 52.79 ng/ml



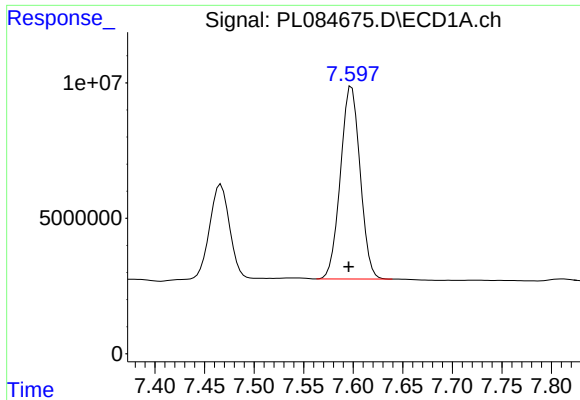
#20 Methoxychlor

R.T.: 7.467 min  
Delta R.T.: 0.002 min  
Response: 48757033  
Conc: 50.81 ng/ml



#20 Methoxychlor

R.T.: 6.559 min  
Delta R.T.: 0.000 min  
Response: 35361022  
Conc: 51.54 ng/ml



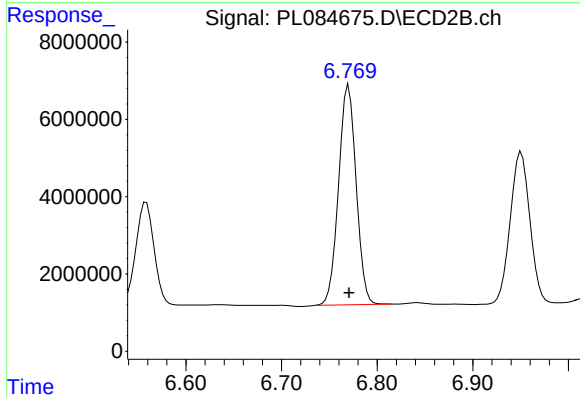
#21 Endrin ketone

R.T.: 7.598 min  
Delta R.T.: 0.003 min  
Response: 98232426  
Conc: 49.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

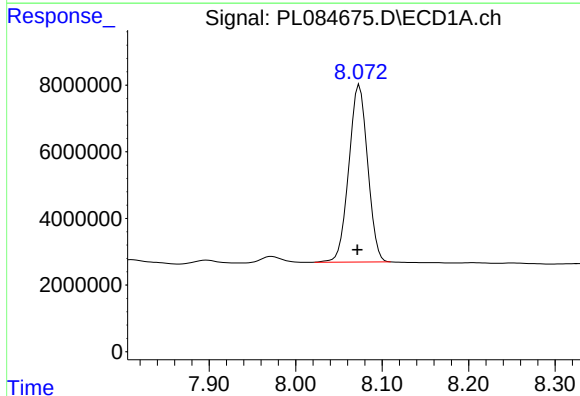
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/14/2023  
Supervised By :Ankita Jodhani 08/14/2023



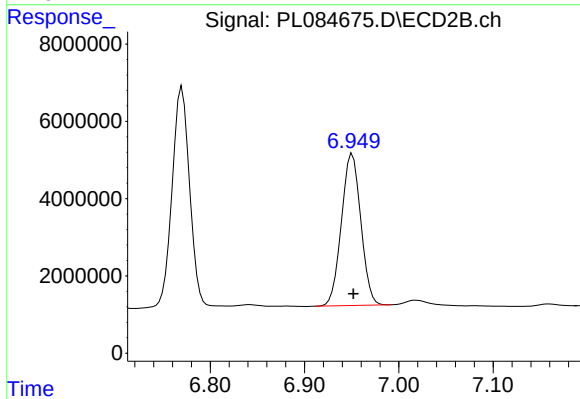
#21 Endrin ketone

R.T.: 6.770 min  
Delta R.T.: 0.000 min  
Response: 72802850  
Conc: 50.46 ng/ml



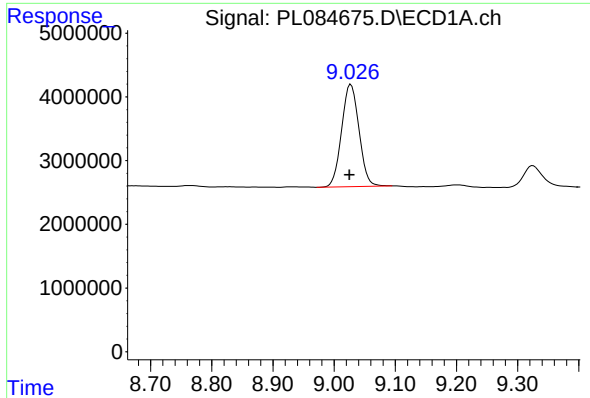
#22 Mirex

R.T.: 8.074 min  
Delta R.T.: 0.002 min  
Response: 80250755  
Conc: 48.32 ng/ml



#22 Mirex

R.T.: 6.951 min  
Delta R.T.: -0.001 min  
Response: 56157443  
Conc: 48.69 ng/ml



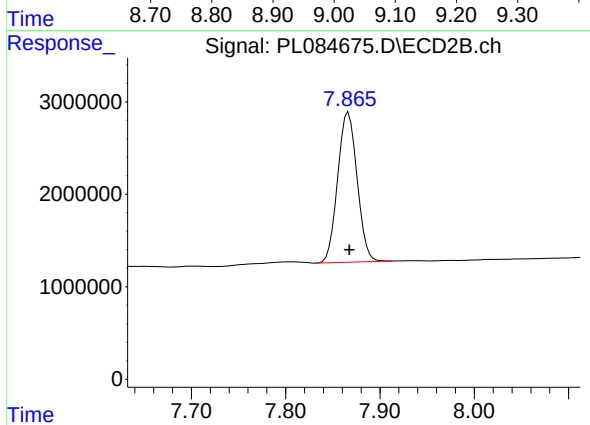
#28 Decachlorobiphenyl

R.T.: 9.027 min  
Delta R.T.: 0.003 min  
Response: 31699529  
Conc: 19.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
IDW-S-20230808MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/14/2023  
Supervised By :Ankita Jodhani 08/14/2023



#28 Decachlorobiphenyl

R.T.: 7.867 min  
Delta R.T.: -0.001 min  
Response: 23224424  
Conc: 18.63 ng/ml