

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL052225\  
 Data File : PL095762.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 May 2025 11:57  
 Operator : AR\AJ  
 Sample : PB168121BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB168121BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/23/2025  
 Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 22 22:37:55 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL052125.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 22 06:29:30 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-------|-------|----------|----------|--------|---------|
| -----                       |       |       |          |          |        |         |
| System Monitoring Compounds |       |       |          |          |        |         |
| 1) SA Tetrachlo...          | 3.574 | 2.882 | 75535817 | 87089193 | 23.940 | 22.251  |
| 28) SA Decachlor...         | 9.107 | 8.061 | 55639300 | 107.3E6  | 23.613 | 24.518  |
| Target Compounds            |       |       |          |          |        |         |
| 2) A alpha-BHC              | 4.026 | 3.392 | 277.1E6  | 323.8E6  | 57.157 | 55.275  |
| 3) MA gamma-BHC...          | 4.358 | 3.726 | 254.4E6  | 308.0E6  | 56.897 | 54.995  |
| 4) MA Heptachlor            | 4.956 | 4.079 | 202.8E6  | 286.4E6  | 53.583 | 51.052  |
| 5) MB Aldrin                | 5.298 | 4.364 | 249.6E6  | 297.3E6  | 58.347 | 56.010  |
| 6) B beta-BHC               | 4.545 | 4.021 | 110.8E6  | 136.4E6  | 56.212 | 55.062m |
| 7) B delta-BHC              | 4.793 | 4.258 | 237.5E6  | 294.1E6  | 53.568 | 52.083  |
| 8) B Heptachlo...           | 5.720 | 4.867 | 223.0E6  | 274.8E6  | 58.414 | 55.648  |
| 9) A Endosulfan I           | 6.103 | 5.240 | 212.9E6  | 267.9E6  | 58.101 | 56.226  |
| 10) B gamma-Chl...          | 5.975 | 5.119 | 229.8E6  | 294.3E6  | 59.054 | 56.025  |
| 11) B alpha-Chl...          | 6.056 | 5.184 | 228.6E6  | 289.4E6  | 57.910 | 55.621  |
| 12) B 4,4'-DDE              | 6.227 | 5.371 | 214.7E6  | 296.0E6  | 58.538 | 55.194  |
| 13) MA Dieldrin             | 6.377 | 5.505 | 227.5E6  | 294.3E6  | 58.949 | 55.527  |
| 14) MA Endrin               | 6.604 | 5.780 | 151.8E6  | 221.3E6  | 47.055 | 45.381  |
| 15) B Endosulfa...          | 6.817 | 6.070 | 192.2E6  | 264.1E6  | 55.768 | 55.571  |
| 16) A 4,4'-DDD              | 6.737 | 5.923 | 186.7E6  | 271.3E6  | 63.705 | 61.863  |
| 17) MA 4,4'-DDT             | 7.052 | 6.177 | 121.8E6  | 200.1E6  | 45.016 | 41.833  |
| 18) B Endrin al...          | 6.946 | 6.248 | 138.8E6  | 190.9E6  | 57.432 | 55.257  |
| 19) B Endosulfa...          | 7.181 | 6.472 | 167.2E6  | 247.1E6  | 55.970 | 54.970  |
| 20) A Methoxychlor          | 7.526 | 6.748 | 55742061 | 105.4E6  | 43.708 | 40.287  |
| 21) B Endrin ke...          | 7.662 | 6.978 | 200.3E6  | 317.4E6  | 63.247 | 61.355  |
| 22) Mirex                   | 8.143 | 7.171 | 132.4E6  | 223.5E6  | 57.207 | 55.034  |
| -----                       |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL052225\  
Data File : PL095762.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 May 2025 11:57  
Operator : AR\AJ  
Sample : PB168121BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB168121BS

## Manual Integrations

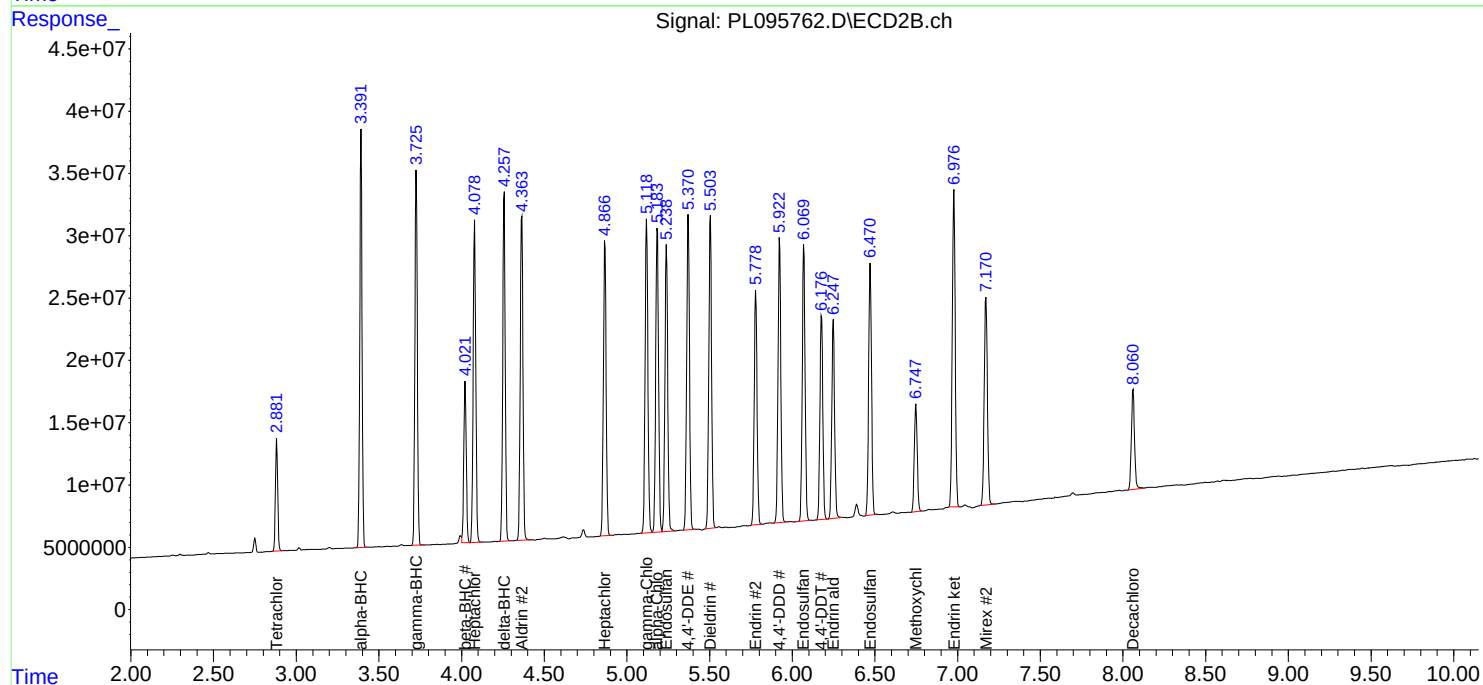
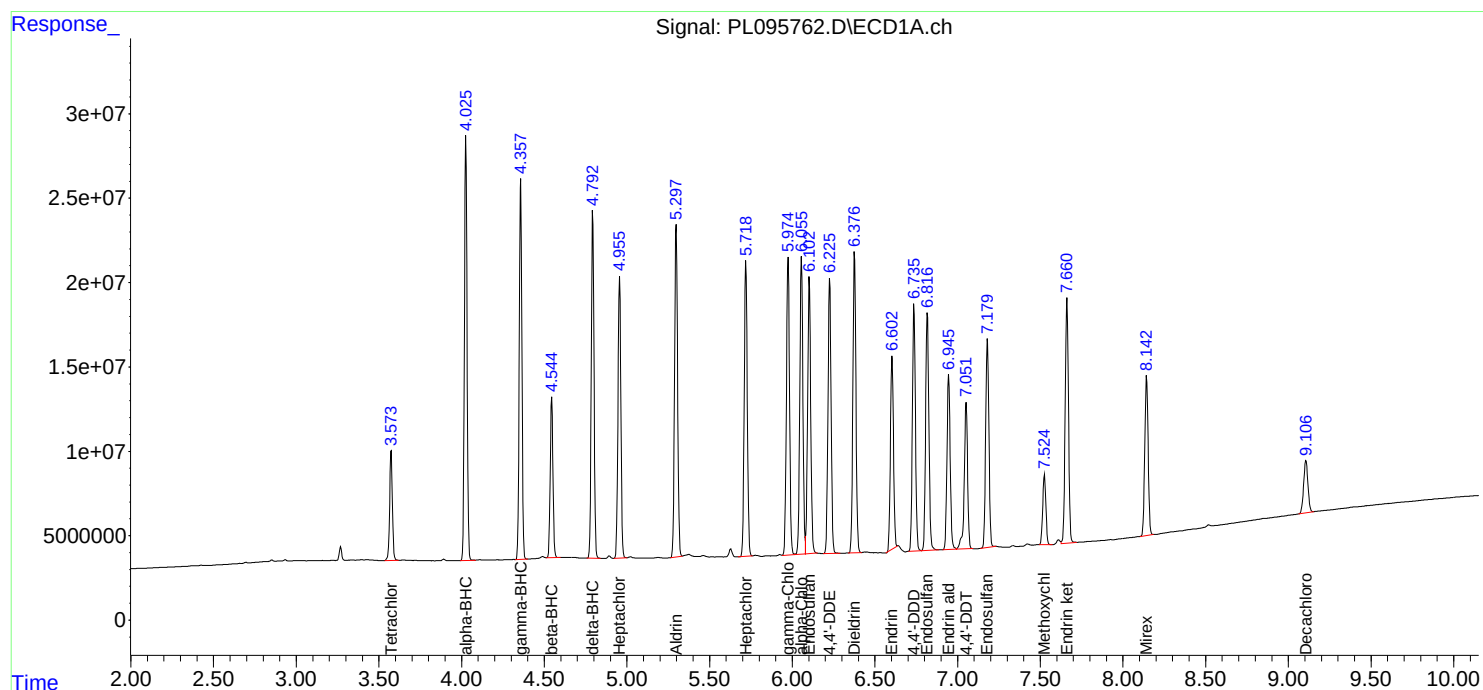
## APPROVED

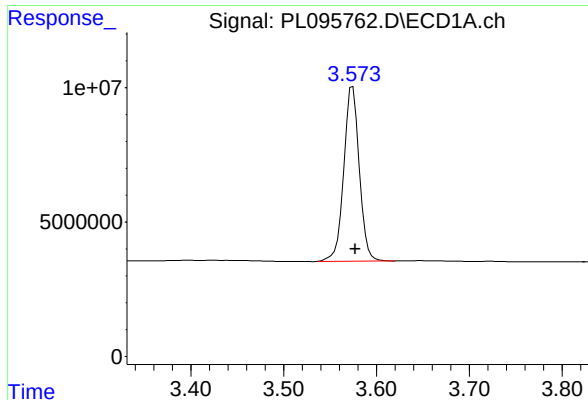
Reviewed By :Abdul Mirza 05/23/2025

Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 22 22:37:55 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL052125.M  
Quant Title : GC Extractables  
QLast Update : Thu May 22 06:29:30 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.574 min  
Delta R.T.: -0.003 min  
Response: 75535817  
Conc: 23.94 ng/ml

Instrument :

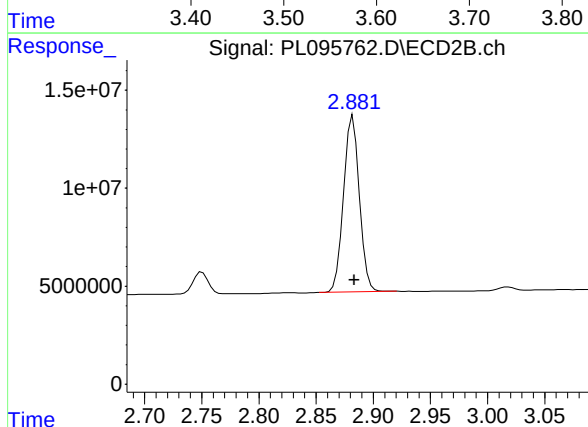
ECD\_L

ClientSampleId :

PB168121BS

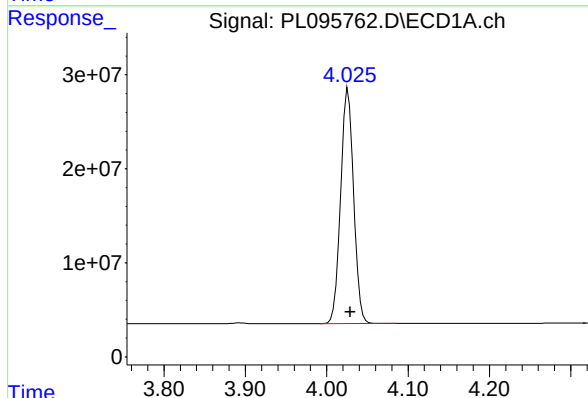
Manual Integrations  
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Reviewed By :Abdul Mirza 05/23/2025  
Supervised By :mohammad ahmed 05/24/2025



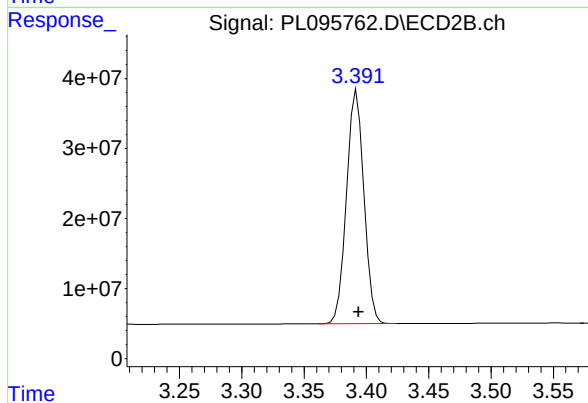
#1 Tetrachloro-m-xylene

R.T.: 2.882 min  
Delta R.T.: -0.001 min  
Response: 87089193  
Conc: 22.25 ng/ml



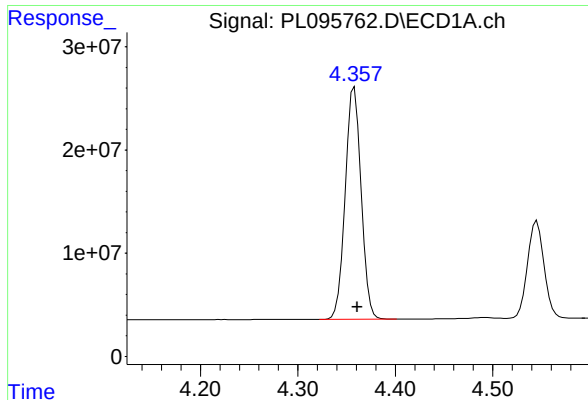
#2 alpha-BHC

R.T.: 4.026 min  
Delta R.T.: -0.003 min  
Response: 277093771  
Conc: 57.16 ng/ml



#2 alpha-BHC

R.T.: 3.392 min  
Delta R.T.: -0.002 min  
Response: 323766502  
Conc: 55.28 ng/ml



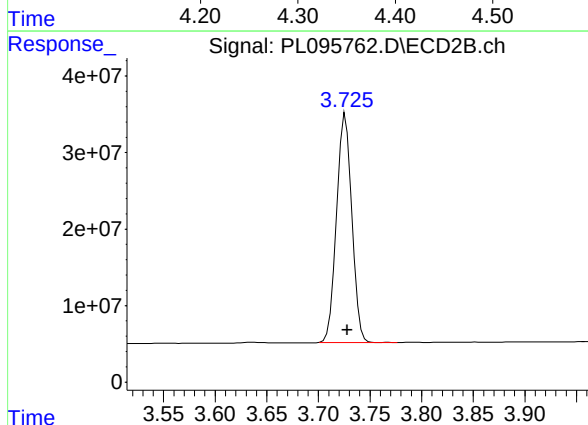
#3 gamma-BHC (Lindane)

R.T.: 4.358 min  
Delta R.T.: -0.003 min  
Response: 254433775  
Conc: 56.90 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

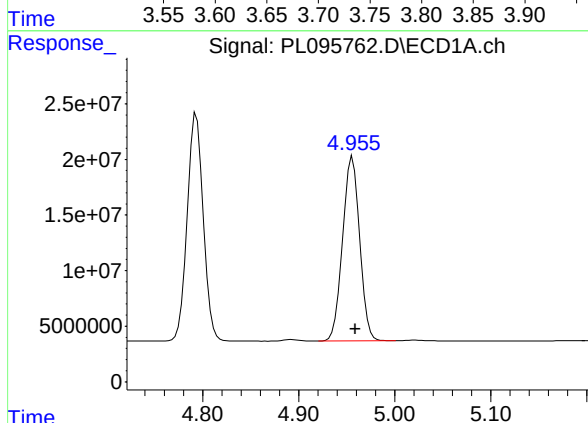
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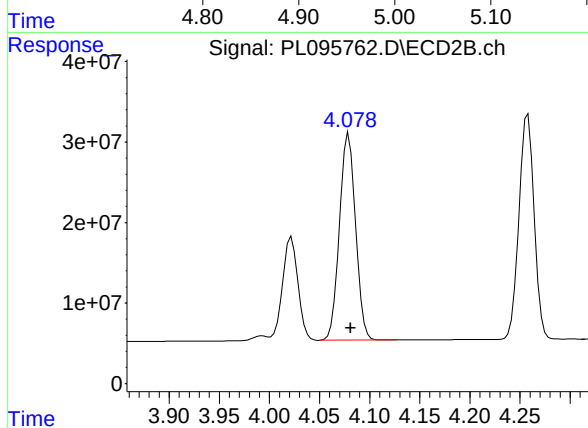
#3 gamma-BHC (Lindane)

R.T.: 3.726 min  
Delta R.T.: -0.002 min  
Response: 308038055  
Conc: 54.99 ng/ml



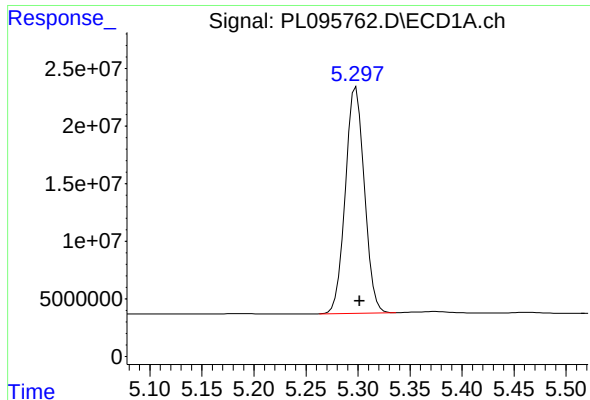
#4 Heptachlor

R.T.: 4.956 min  
Delta R.T.: -0.003 min  
Response: 202815462  
Conc: 53.58 ng/ml



#4 Heptachlor

R.T.: 4.079 min  
Delta R.T.: -0.002 min  
Response: 286355704  
Conc: 51.05 ng/ml



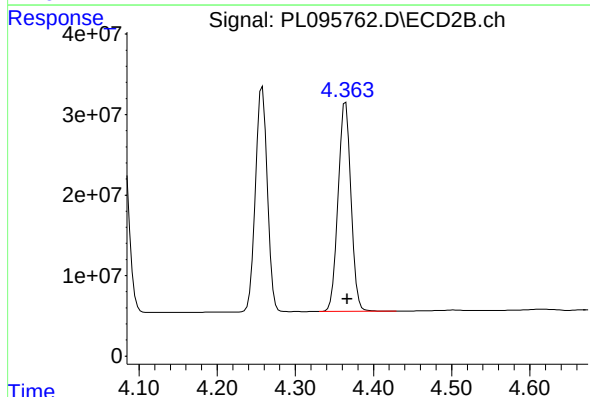
#5 Aldrin

R.T.: 5.298 min  
Delta R.T.: -0.004 min  
Response: 249594679  
Conc: 58.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

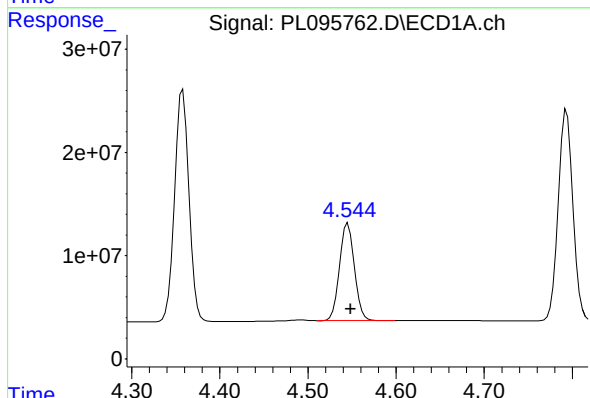
Manual Integrations  
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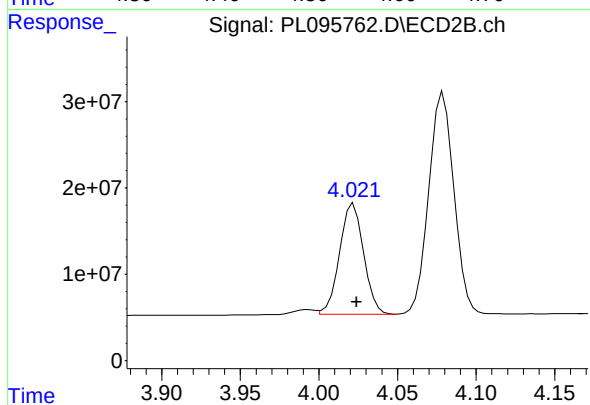
#5 Aldrin

R.T.: 4.364 min  
Delta R.T.: -0.002 min  
Response: 297251382  
Conc: 56.01 ng/ml



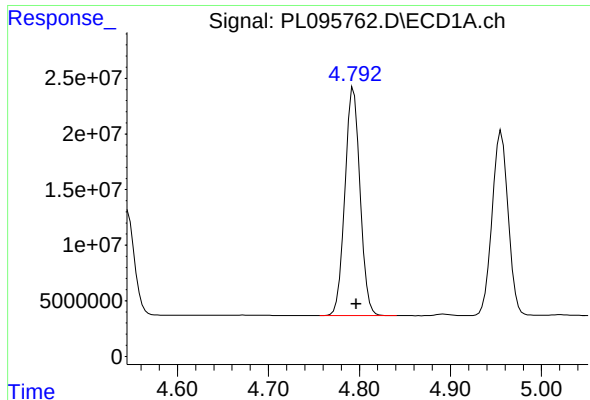
#6 beta-BHC

R.T.: 4.545 min  
Delta R.T.: -0.003 min  
Response: 110814985  
Conc: 56.21 ng/ml



#6 beta-BHC

R.T.: 4.021 min  
Delta R.T.: -0.003 min  
Response: 136418269  
Conc: 55.06 ng/ml m



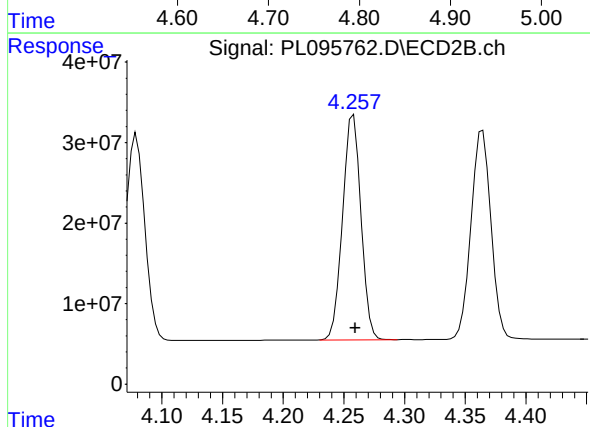
#7 delta-BHC

R.T.: 4.793 min  
Delta R.T.: -0.003 min  
Response: 237499897  
Conc: 53.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

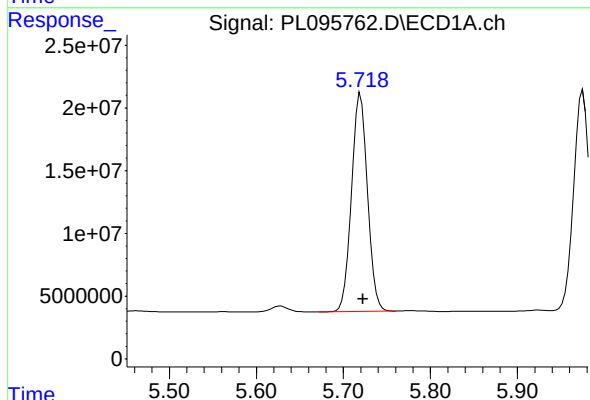
Manual Integrations  
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Reviewed By :Abdul Mirza 05/23/2025  
Supervised By :mohammad ahmed 05/24/2025



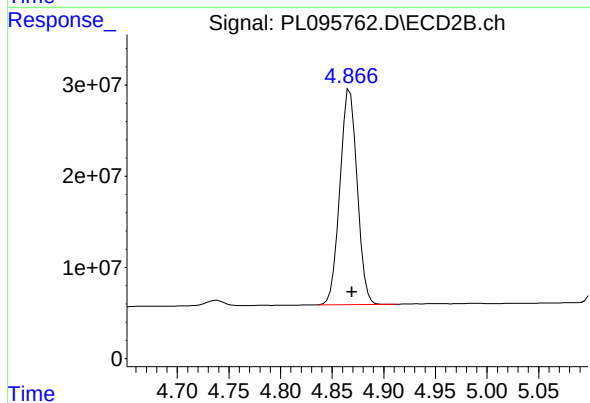
#7 delta-BHC

R.T.: 4.258 min  
Delta R.T.: -0.002 min  
Response: 294130896  
Conc: 52.08 ng/ml



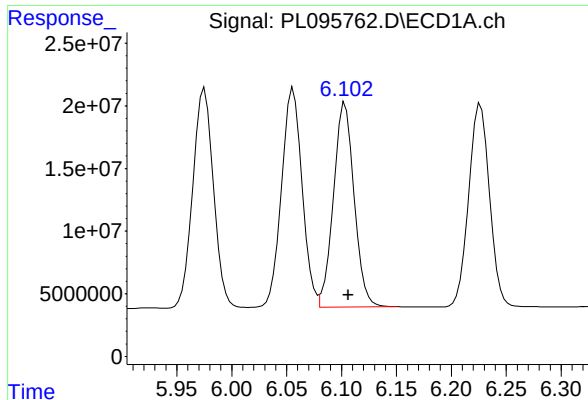
#8 Heptachlor epoxide

R.T.: 5.720 min  
Delta R.T.: -0.003 min  
Response: 222958464  
Conc: 58.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min  
Delta R.T.: -0.002 min  
Response: 274758642  
Conc: 55.65 ng/ml



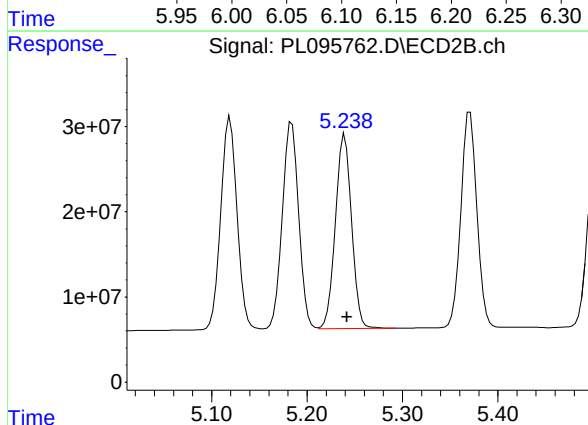
#9 Endosulfan I

R.T.: 6.103 min  
Delta R.T.: -0.003 min  
Response: 212930645  
Conc: 58.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

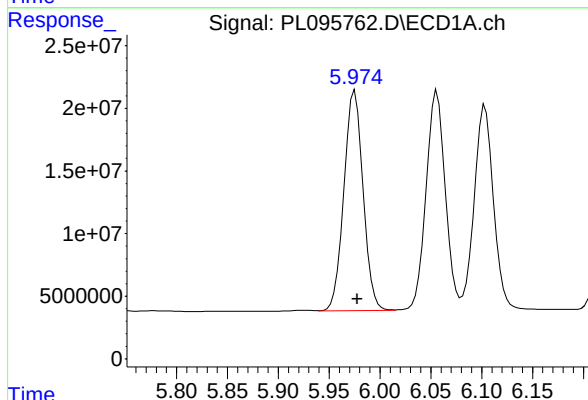
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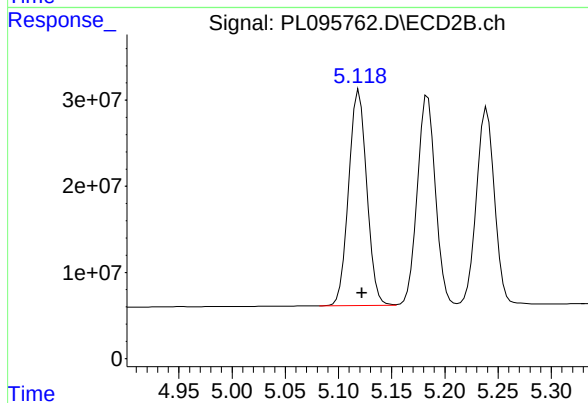
#9 Endosulfan I

R.T.: 5.240 min  
Delta R.T.: -0.002 min  
Response: 267913699  
Conc: 56.23 ng/ml



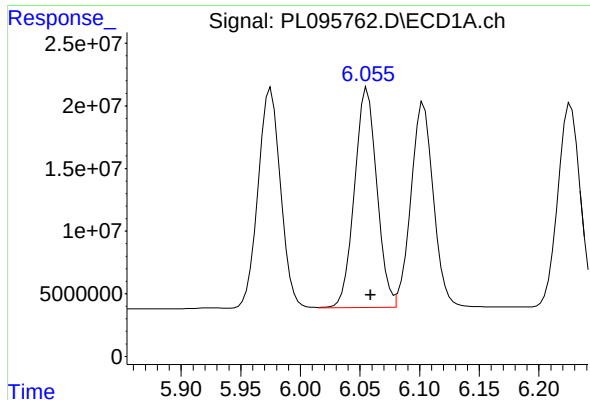
#10 gamma-Chlordane

R.T.: 5.975 min  
Delta R.T.: -0.002 min  
Response: 229844691  
Conc: 59.05 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min  
Delta R.T.: -0.003 min  
Response: 294282032  
Conc: 56.02 ng/ml



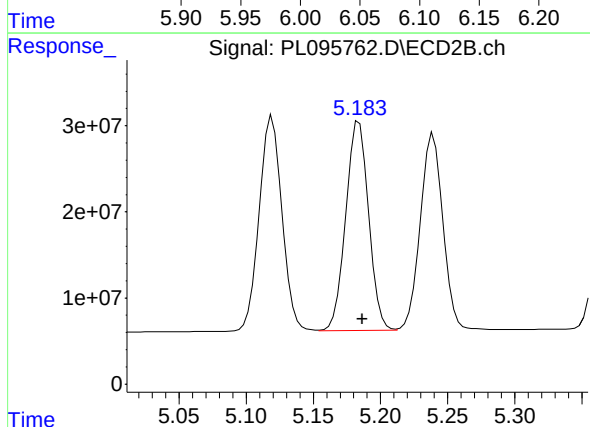
#11 alpha-Chlordane

R.T.: 6.056 min  
Delta R.T.: -0.003 min  
Response: 228639195  
Conc: 57.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

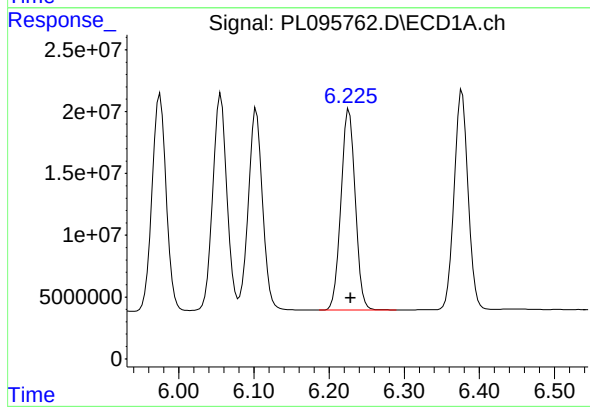
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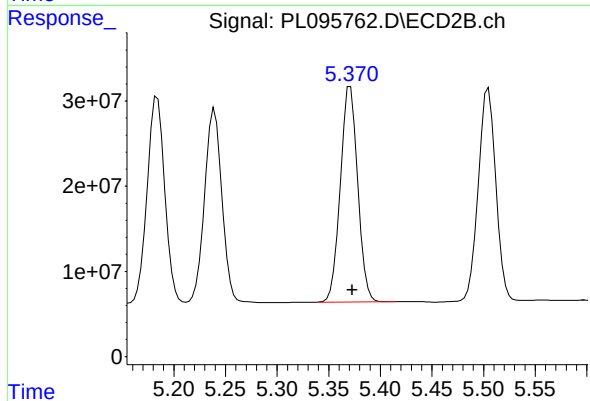
#11 alpha-Chlordane

R.T.: 5.184 min  
Delta R.T.: -0.002 min  
Response: 289382966  
Conc: 55.62 ng/ml



#12 4,4'-DDE

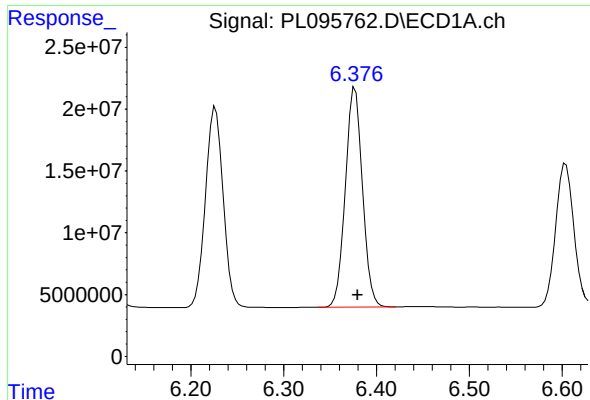
R.T.: 6.227 min  
Delta R.T.: -0.002 min  
Response: 214712898  
Conc: 58.54 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min  
Delta R.T.: -0.002 min  
Response: 295956677  
Conc: 55.19 ng/ml





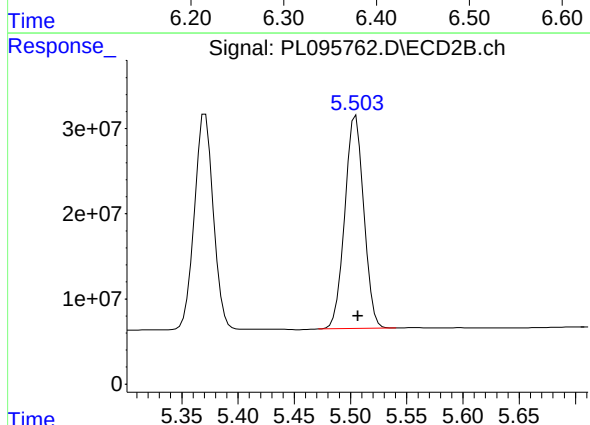
#13 Dieldrin

R.T.: 6.377 min  
Delta R.T.: -0.003 min  
Response: 227494018  
Conc: 58.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

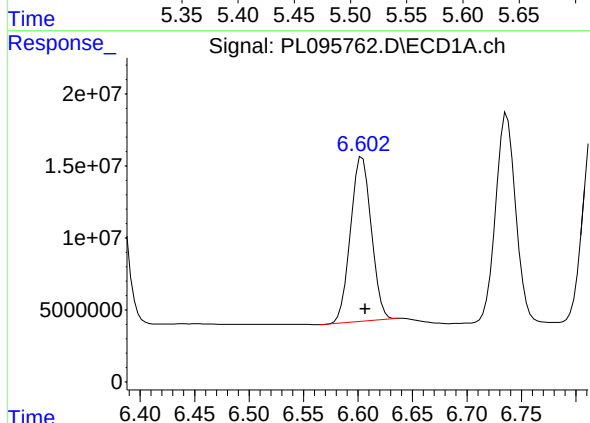
Manual Integrations  
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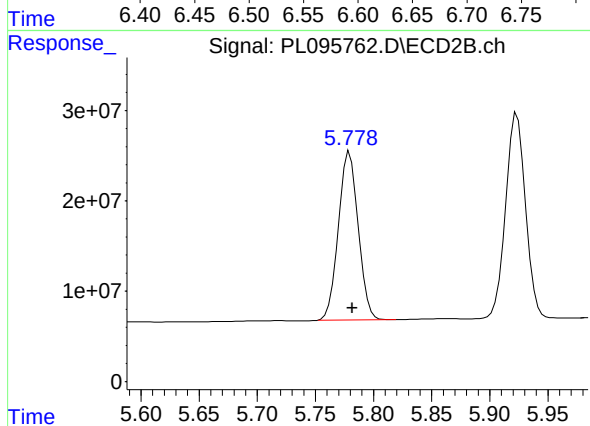
#13 Dieldrin

R.T.: 5.505 min  
Delta R.T.: -0.002 min  
Response: 294297847  
Conc: 55.53 ng/ml



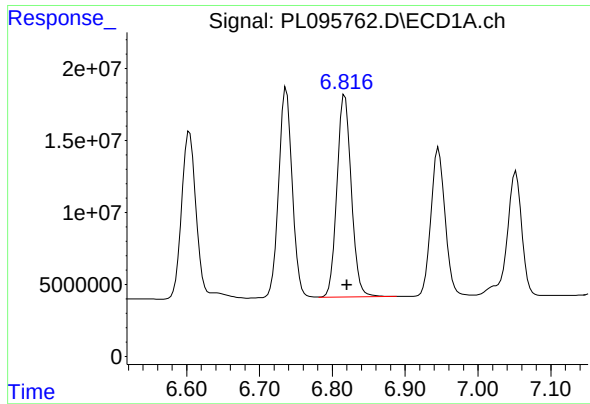
#14 Endrin

R.T.: 6.604 min  
Delta R.T.: -0.003 min  
Response: 151833571  
Conc: 47.05 ng/ml



#14 Endrin

R.T.: 5.780 min  
Delta R.T.: -0.002 min  
Response: 221281967  
Conc: 45.38 ng/ml



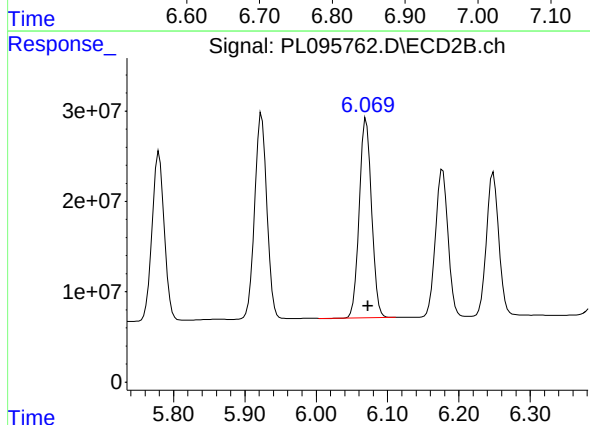
#15 Endosulfan II

R.T.: 6.817 min  
Delta R.T.: -0.003 min  
Response: 192178063  
Conc: 55.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

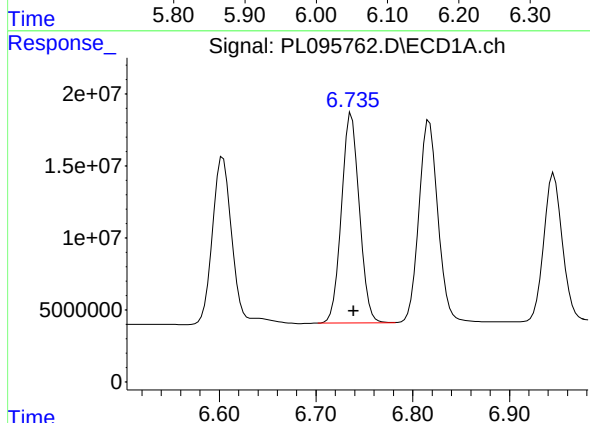
Manual Integrations  
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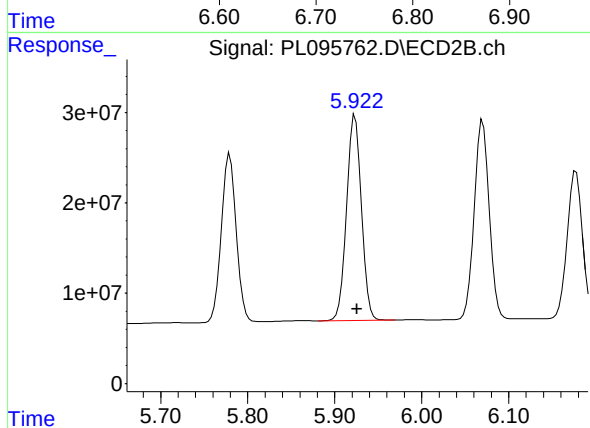
#15 Endosulfan II

R.T.: 6.070 min  
Delta R.T.: -0.002 min  
Response: 264059472  
Conc: 55.57 ng/ml



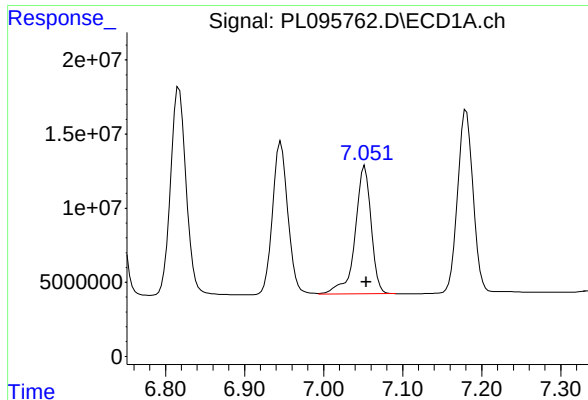
#16 4,4'-DDD

R.T.: 6.737 min  
Delta R.T.: -0.002 min  
Response: 186694424  
Conc: 63.71 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min  
Delta R.T.: -0.002 min  
Response: 271265152  
Conc: 61.86 ng/ml



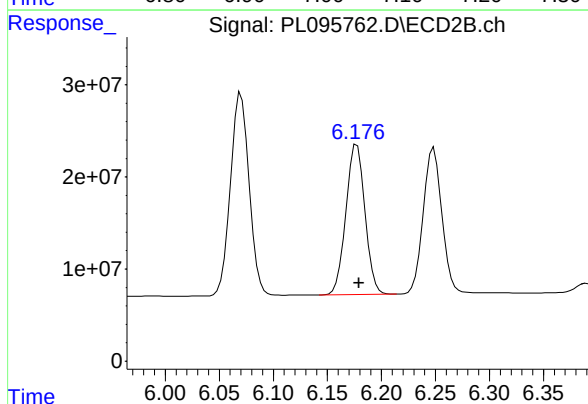
#17 4,4'-DDT

R.T.: 7.052 min  
Delta R.T.: -0.002 min  
Response: 121774369  
Conc: 45.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

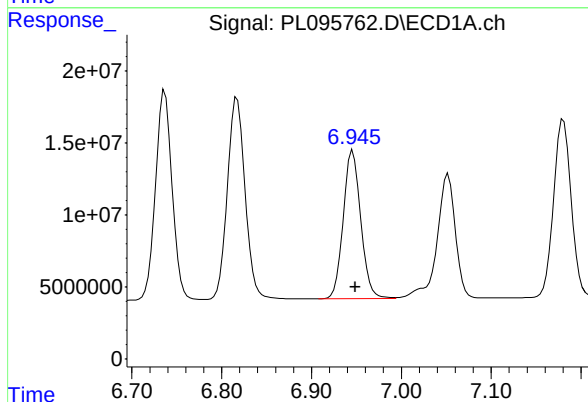
Manual Integrations  
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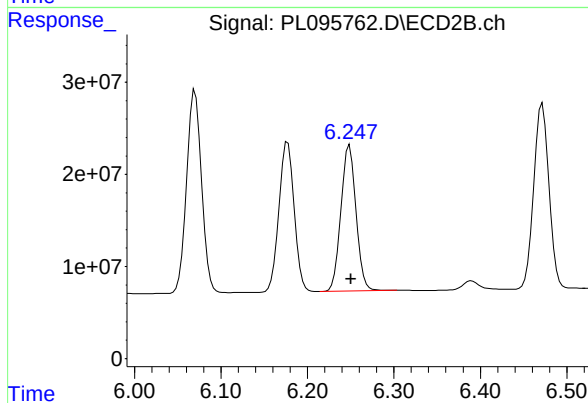
#17 4,4'-DDT

R.T.: 6.177 min  
Delta R.T.: -0.002 min  
Response: 200072053  
Conc: 41.83 ng/ml



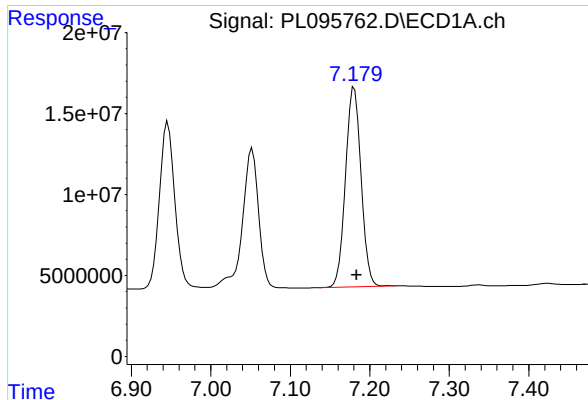
#18 Endrin aldehyde

R.T.: 6.946 min  
Delta R.T.: -0.003 min  
Response: 138849096  
Conc: 57.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min  
Delta R.T.: -0.002 min  
Response: 190875132  
Conc: 55.26 ng/ml



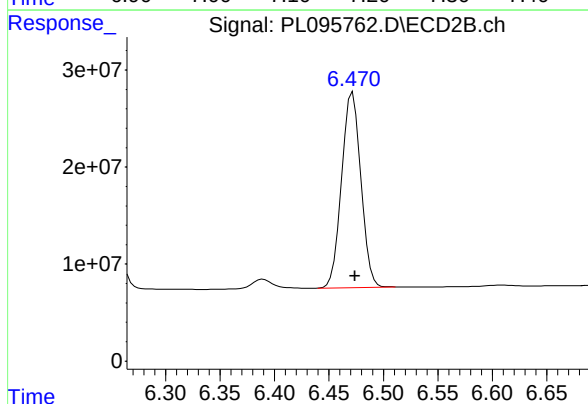
#19 Endosulfan Sulfate

R.T.: 7.181 min  
Delta R.T.: -0.003 min  
Response: 167178759  
Conc: 55.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

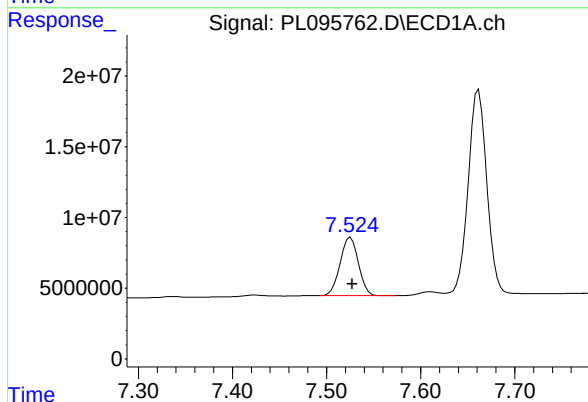
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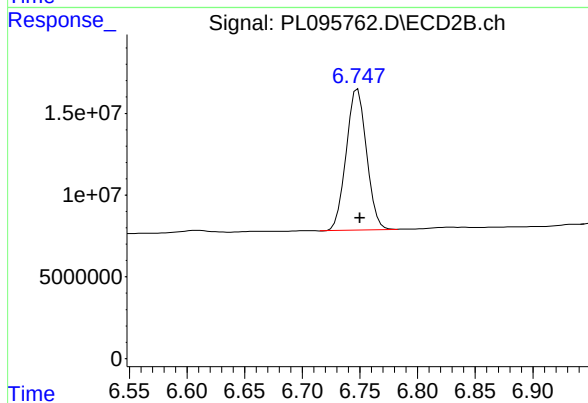
#19 Endosulfan Sulfate

R.T.: 6.472 min  
Delta R.T.: -0.002 min  
Response: 247078149  
Conc: 54.97 ng/ml



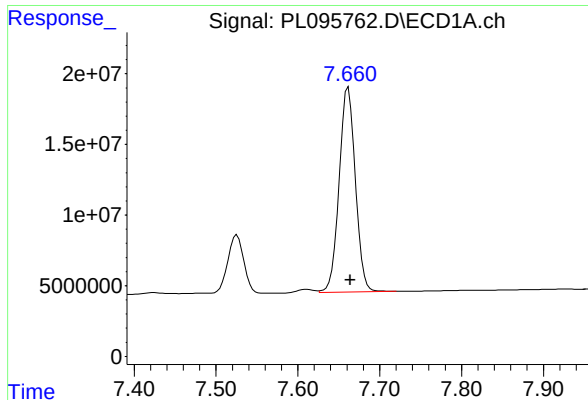
#20 Methoxychlor

R.T.: 7.526 min  
Delta R.T.: -0.002 min  
Response: 55742061  
Conc: 43.71 ng/ml



#20 Methoxychlor

R.T.: 6.748 min  
Delta R.T.: -0.002 min  
Response: 105394548  
Conc: 40.29 ng/ml



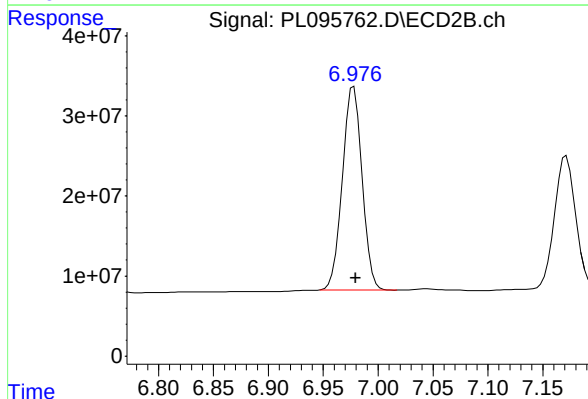
#21 Endrin ketone

R.T.: 7.662 min  
Delta R.T.: -0.003 min  
Response: 200298536  
Conc: 63.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

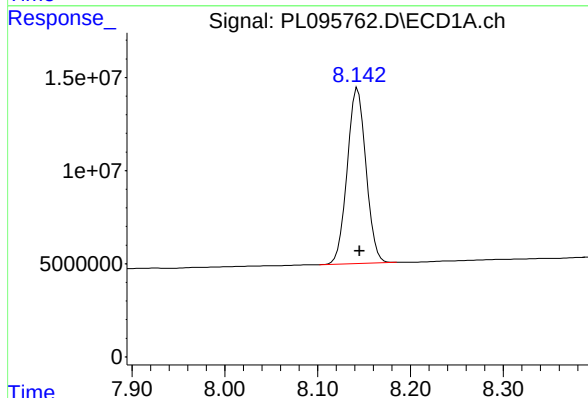
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/23/2025  
Supervised By :mohammad ahmed 05/24/2025



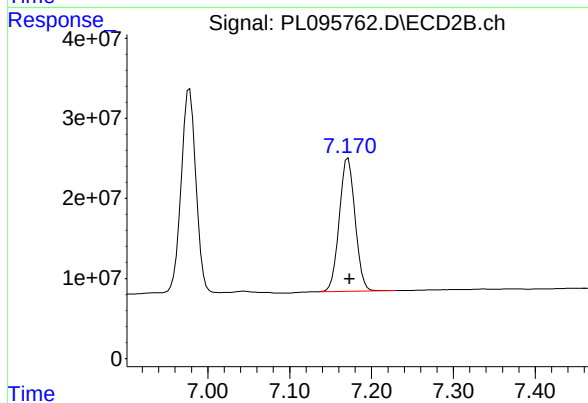
#21 Endrin ketone

R.T.: 6.978 min  
Delta R.T.: -0.002 min  
Response: 317444631  
Conc: 61.36 ng/ml



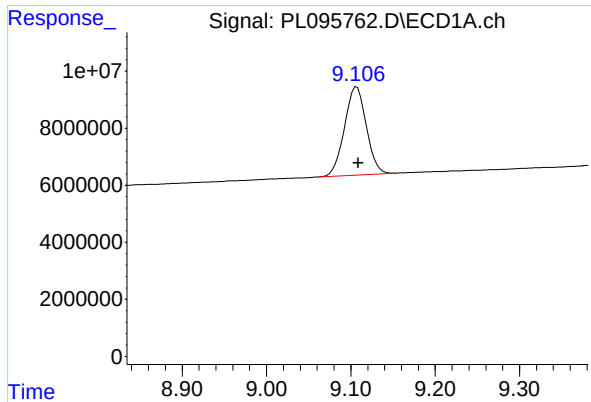
#22 Mirex

R.T.: 8.143 min  
Delta R.T.: -0.002 min  
Response: 132364053  
Conc: 57.21 ng/ml



#22 Mirex

R.T.: 7.171 min  
Delta R.T.: -0.002 min  
Response: 223464907  
Conc: 55.03 ng/ml



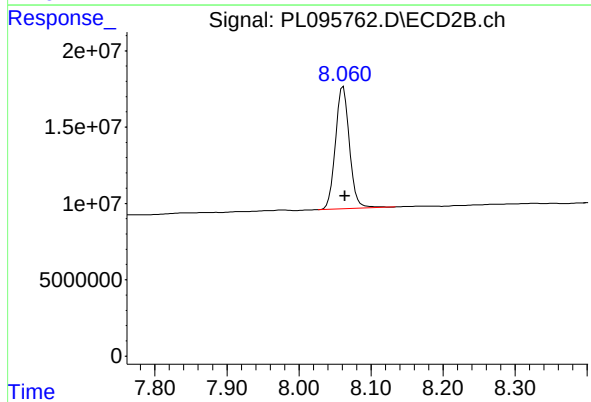
#28 Decachlorobiphenyl

R.T.: 9.107 min  
Delta R.T.: -0.002 min  
Response: 55639300  
Conc: 23.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB168121BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/23/2025  
Supervised By :mohammad ahmed 05/24/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min  
Delta R.T.: -0.002 min  
Response: 107254568  
Conc: 24.52 ng/ml