

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042325\  
 Data File : PL095354.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Apr 2025 18:14  
 Operator : AR\AJ  
 Sample : Q1848-03MS  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ETGI-275MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 04/24/2025  
 Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 24 01:27:30 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042325.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Apr 23 16:23:18 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...          | 3.593 | 2.904 | 44434960 | 51957413 | 13.611m  | 16.340m   |
| 2) SA Decachlor...          | 9.111 | 8.086 | 12477672 | 40111621 | 4.503m   | 13.555m#  |
| Target Compounds            |       |       |          |          |          |           |
| 2) A alpha-BHC              | 4.045 | 3.414 | 201.0E6  | 180.7E6  | 40.569   | 40.618m   |
| 3) MA gamma-BHC...          | 4.377 | 3.750 | 206.7E6  | 236.4E6  | 43.666   | 53.751    |
| 4) MA Heptachlor            | 4.975 | 4.103 | 172.7E6  | 170.6E6  | 37.754   | 39.160    |
| 5) MB Aldrin                | 5.315 | 4.389 | 201.8E6  | 161.9E6  | 43.929m  | 39.334    |
| 6) B beta-BHC               | 4.562 | 4.041 | 43662265 | 79727246 | 21.118m  | 38.407m#  |
| 7) B delta-BHC              | 4.811 | 4.279 | 171.2E6  | 156.8E6  | 36.817m  | 35.794    |
| 8) B Heptachlo...           | 5.737 | 4.891 | 200.6E6  | 142.7E6  | 50.085   | 36.934 #  |
| 9) A Endosulfan I           | 6.121 | 5.281 | 139.1E6  | 735.1E6  | 36.637   | 200.819 # |
| 10) B gamma-Chl...          | 5.991 | 5.144 | 221.8E6  | 165.5E6  | 54.366   | 40.830    |
| 11) B alpha-Chl...          | 6.073 | 5.209 | 218.3E6  | 179.8E6  | 53.682   | 45.164    |
| 12) B 4,4'-DDE              | 6.242 | 5.395 | 129.7E6  | 138.1E6  | 33.092   | 33.964    |
| 13) MA Dieldrin             | 6.393 | 5.527 | 168.1E6  | 287.8E6  | 43.614m  | 70.760m#  |
| 14) MA Endrin               | 6.621 | 5.802 | 178.5E6  | 122.8E6  | 56.052   | 33.734m#  |
| 15) B Endosulfa...          | 6.833 | 6.095 | 132.2E6  | 208.0E6  | 41.426   | 57.933 #  |
| 16) A 4,4'-DDD              | 6.747 | 5.945 | 231.7E6  | 95175982 | 81.846m  | 29.134m#  |
| 17) MA 4,4'-DDT             | 7.066 | 6.197 | 133.0E6  | 220.8E6  | 46.702m  | 64.260m#  |
| 18) B Endrin al...          | 6.963 | 6.273 | 100.9E6  | 129.3E6  | 43.458   | 49.471    |
| 19) B Endosulfa...          | 7.194 | 6.498 | 93603947 | 163.7E6  | 33.409m  | 49.326m#  |
| 20) A Methoxychlor          | 7.536 | 6.771 | 56459464 | 69076352 | 40.469m  | 36.214m   |
| 21) B Endrin ke...          | 7.672 | 7.002 | 471.5E6  | 79671027 | 165.388m | 22.626 #  |
| 22) Mirex                   | 8.158 | 7.200 | 309.9E6  | 69957196 | 130.407m | 24.270 #  |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042325\  
Data File : PL095354.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Apr 2025 18:14  
Operator : AR\AJ  
Sample : Q1848-03MS  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

## Instrument :

ECD\_L

ClientSampleId :

ETGI-275MS

## Manual Integrations

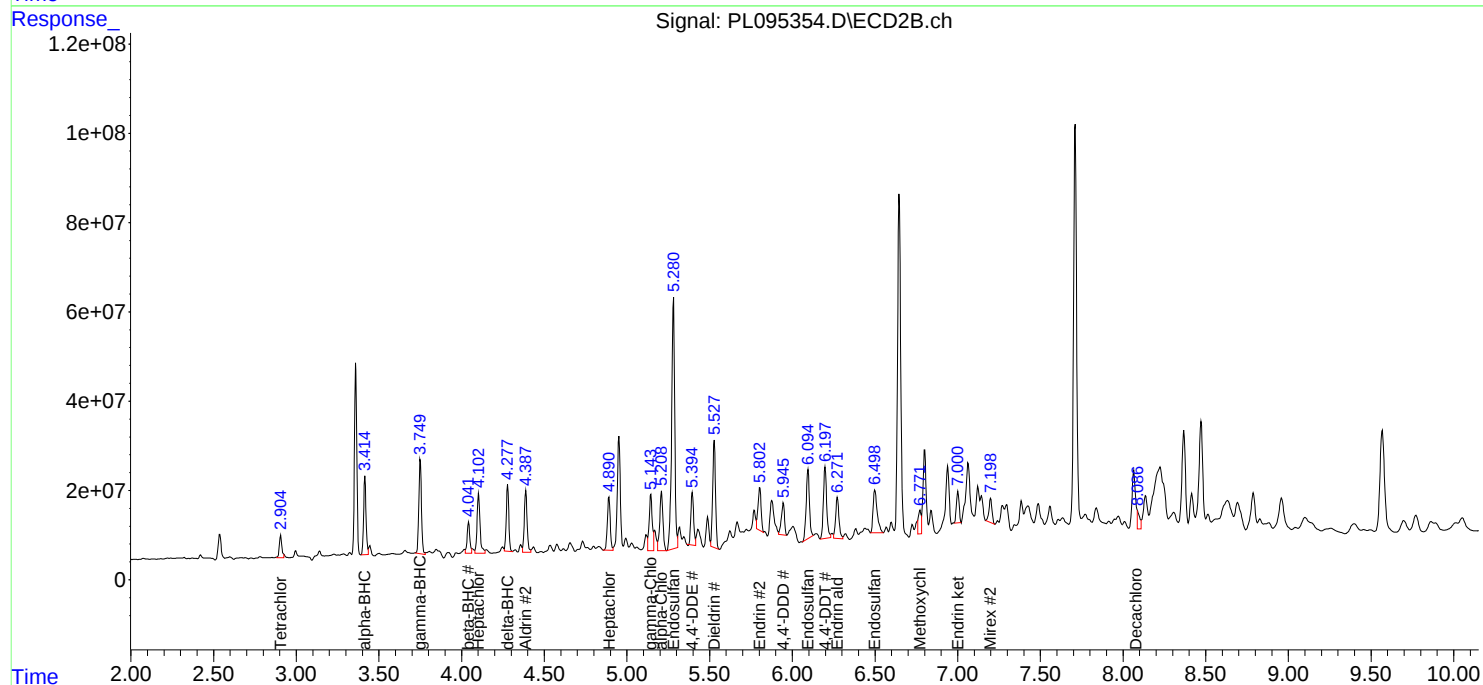
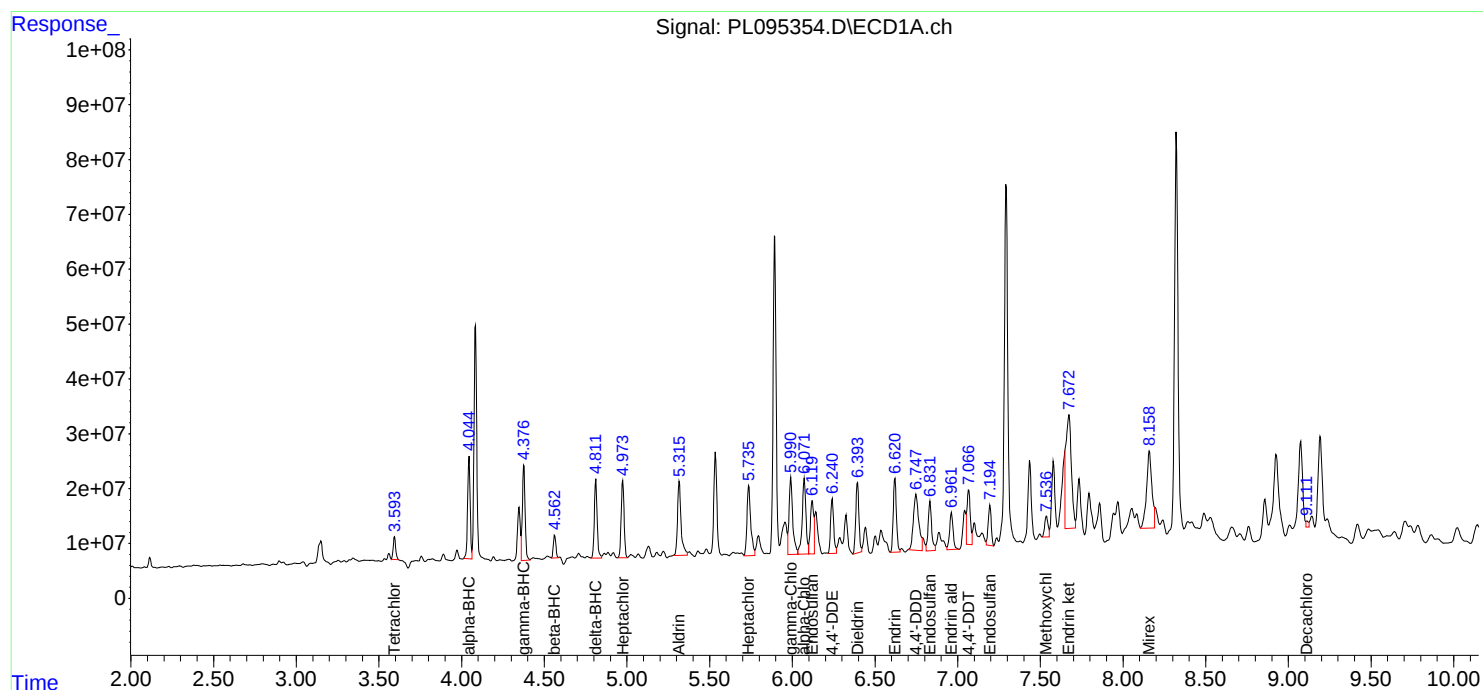
APPROVED

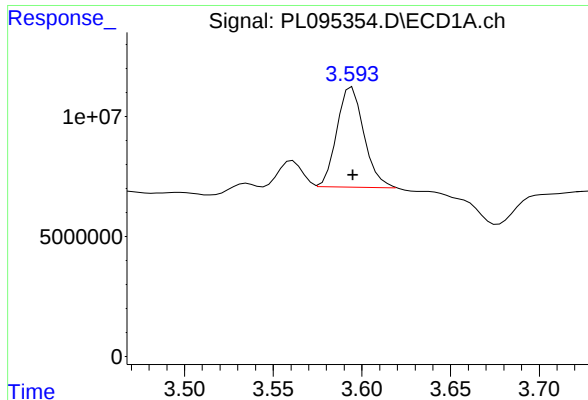
Reviewed By :Abdul Mirza 04/24/2025

Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 24 01:27:30 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042325.M  
Quant Title : GC Extractables  
QLast Update : Wed Apr 23 16:23:18 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





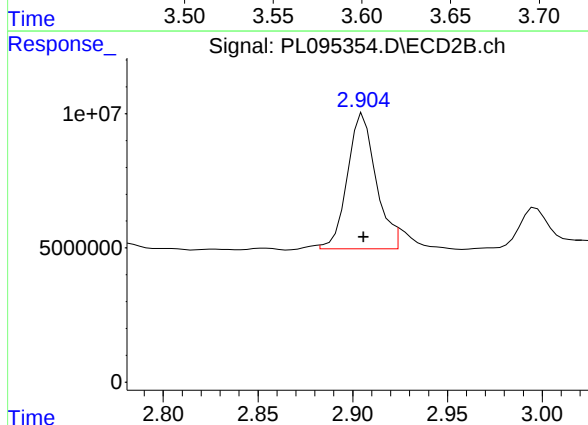
#1 Tetrachloro-m-xylene

R.T.: 3.593 min  
Delta R.T.: -0.002 min  
Response: 44434960  
Conc: 13.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

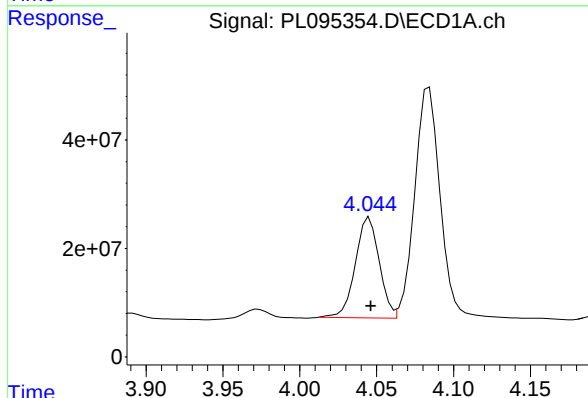
Manual Integrations  
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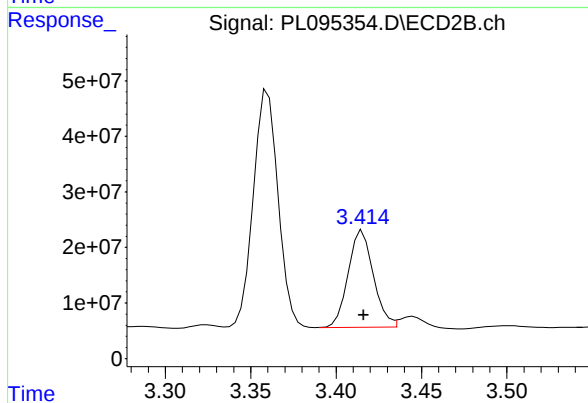
#1 Tetrachloro-m-xylene

R.T.: 2.904 min  
Delta R.T.: -0.001 min  
Response: 51957413  
Conc: 16.34 ng/ml



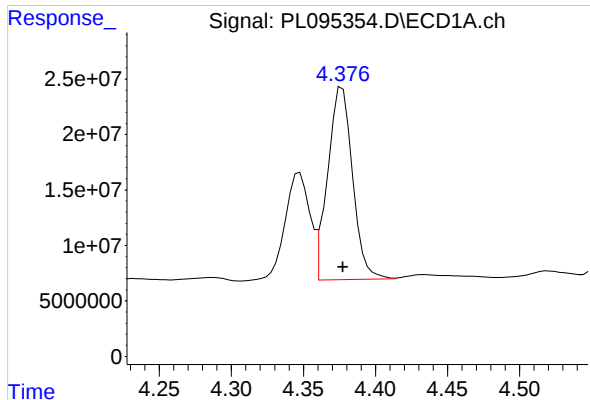
#2 alpha-BHC

R.T.: 4.045 min  
Delta R.T.: 0.000 min  
Response: 200969985  
Conc: 40.57 ng/ml



#2 alpha-BHC

R.T.: 3.414 min  
Delta R.T.: -0.002 min  
Response: 180696108  
Conc: 40.62 ng/ml



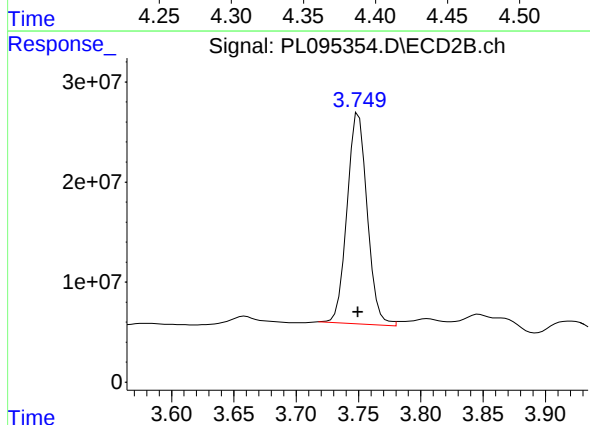
#3 gamma-BHC (Lindane)

R.T.: 4.377 min  
Delta R.T.: 0.000 min  
Response: 206714483  
Conc: 43.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

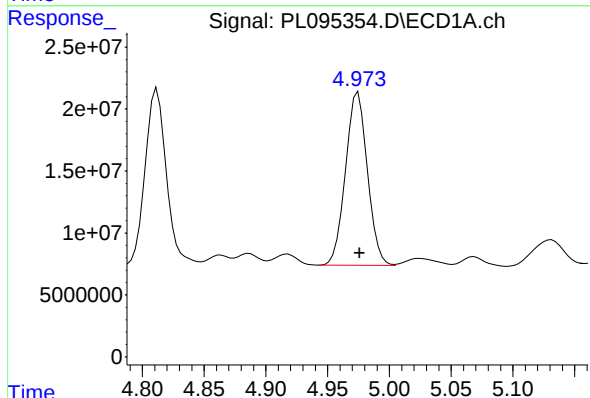
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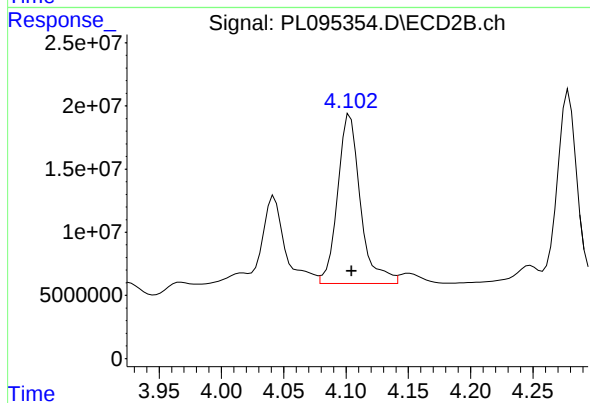
#3 gamma-BHC (Lindane)

R.T.: 3.750 min  
Delta R.T.: 0.000 min  
Response: 236408600  
Conc: 53.75 ng/ml



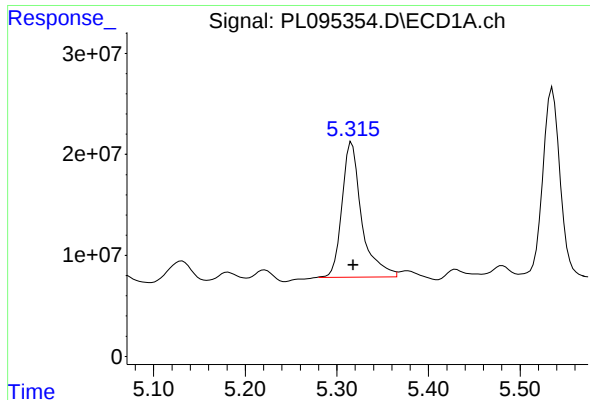
#4 Heptachlor

R.T.: 4.975 min  
Delta R.T.: -0.001 min  
Response: 172703822  
Conc: 37.75 ng/ml



#4 Heptachlor

R.T.: 4.103 min  
Delta R.T.: -0.001 min  
Response: 170608986  
Conc: 39.16 ng/ml



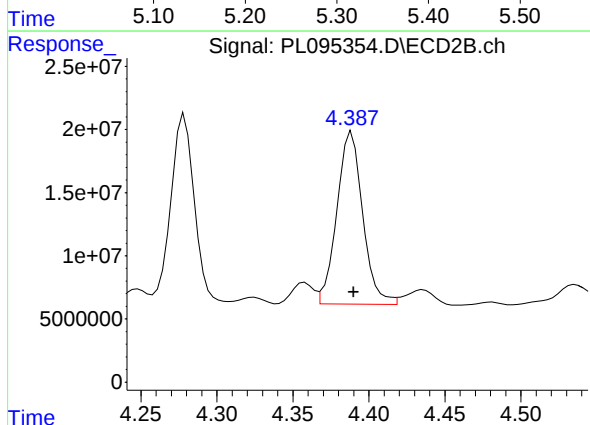
#5 Aldrin

R.T.: 5.315 min  
Delta R.T.: -0.003 min  
Response: 201769022  
Conc: 43.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

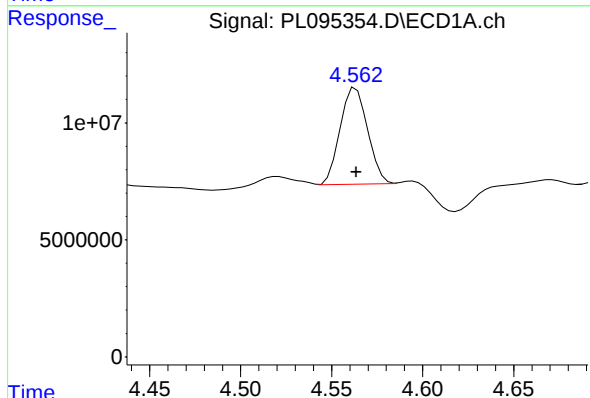
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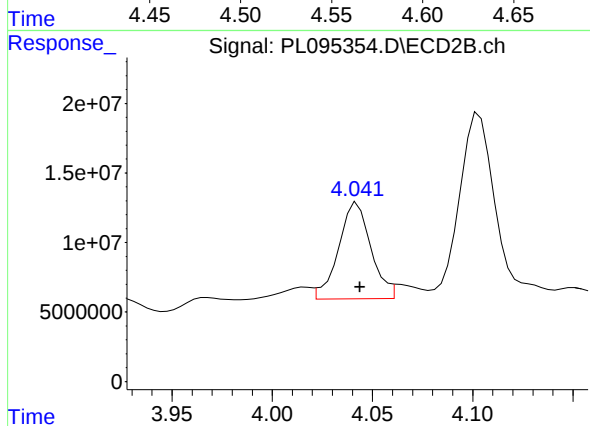
#5 Aldrin

R.T.: 4.389 min  
Delta R.T.: -0.001 min  
Response: 161887598  
Conc: 39.33 ng/ml



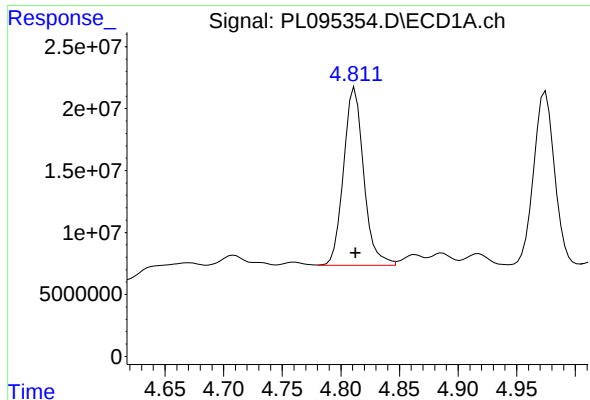
#6 beta-BHC

R.T.: 4.562 min  
Delta R.T.: -0.002 min  
Response: 43662265  
Conc: 21.12 ng/ml m



#6 beta-BHC

R.T.: 4.041 min  
Delta R.T.: -0.003 min  
Response: 79727246  
Conc: 38.41 ng/ml m



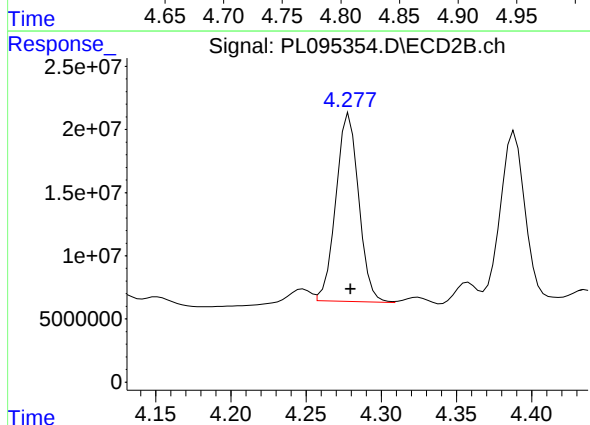
#7 delta-BHC

R.T.: 4.811 min  
Delta R.T.: -0.002 min  
Response: 171225552  
Conc: 36.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

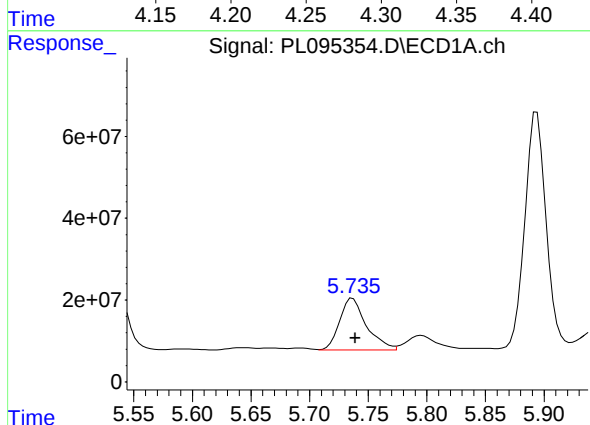
Manual Integrations  
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Reviewed By :Abdul Mirza 04/24/2025  
Supervised By :mohammad ahmed 04/26/2025



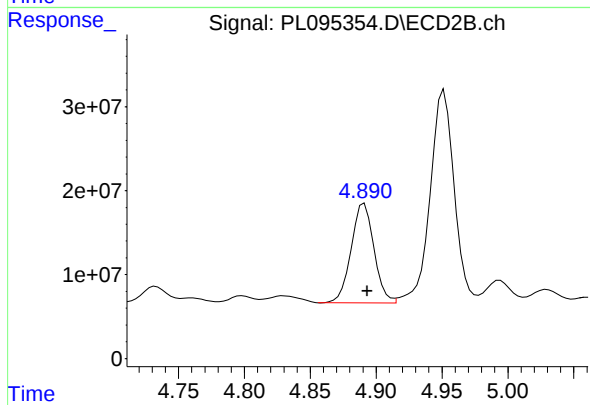
#7 delta-BHC

R.T.: 4.279 min  
Delta R.T.: 0.000 min  
Response: 156849752  
Conc: 35.79 ng/ml



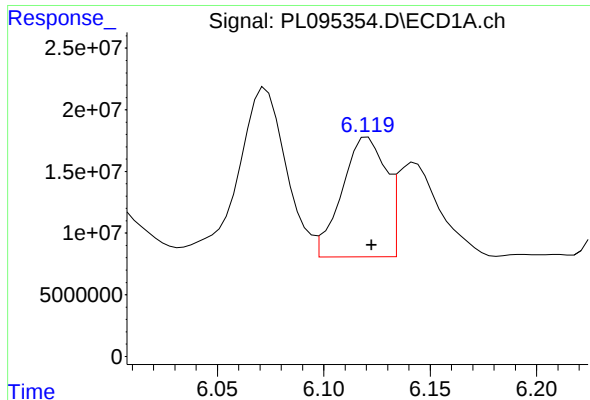
#8 Heptachlor epoxide

R.T.: 5.737 min  
Delta R.T.: -0.002 min  
Response: 200598253  
Conc: 50.09 ng/ml



#8 Heptachlor epoxide

R.T.: 4.891 min  
Delta R.T.: -0.002 min  
Response: 142664320  
Conc: 36.93 ng/ml



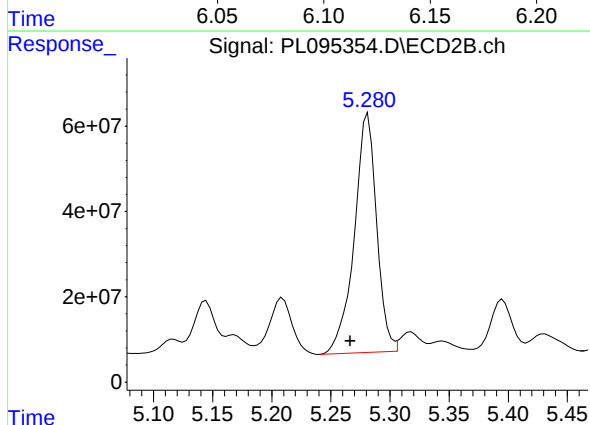
#9 Endosulfan I

R.T.: 6.121 min  
Delta R.T.: -0.002 min  
Response: 139130953  
Conc: 36.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

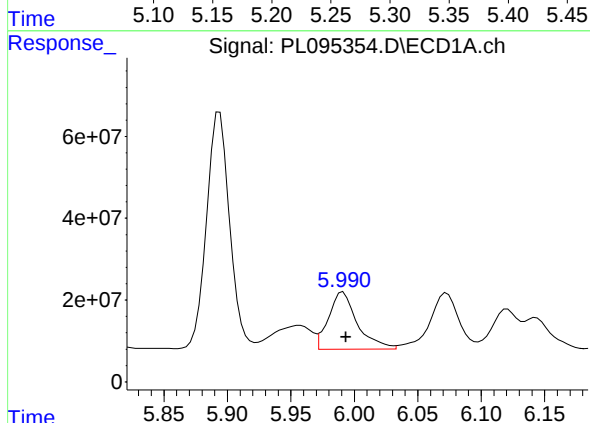
Manual Integrations  
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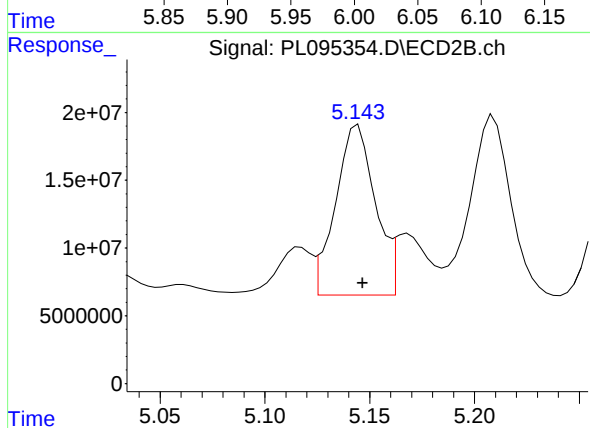
#9 Endosulfan I

R.T.: 5.281 min  
Delta R.T.: 0.015 min  
Response: 735083166  
Conc: 200.82 ng/ml



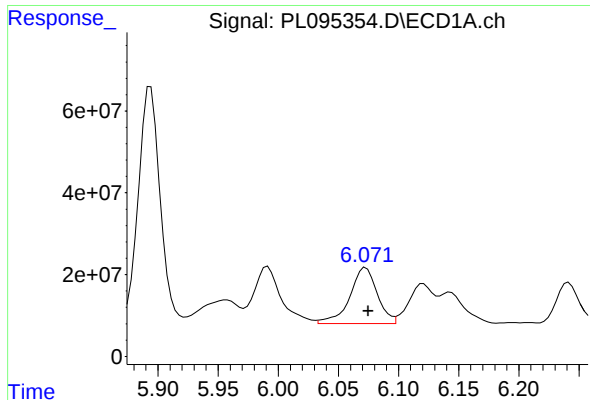
#10 gamma-Chlordane

R.T.: 5.991 min  
Delta R.T.: -0.002 min  
Response: 221779794  
Conc: 54.37 ng/ml



#10 gamma-Chlordane

R.T.: 5.144 min  
Delta R.T.: -0.002 min  
Response: 165470168  
Conc: 40.83 ng/ml



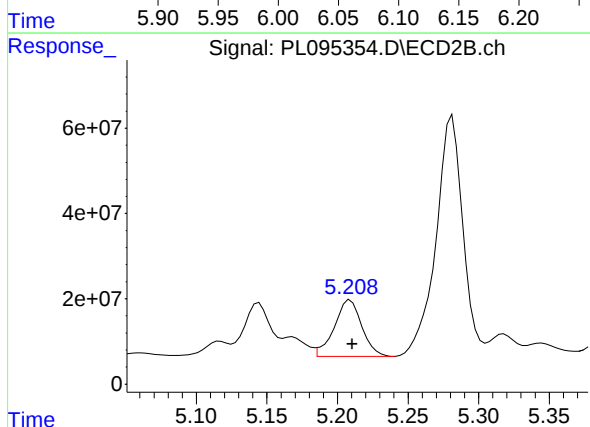
#11 alpha-Chlordane

R.T.: 6.073 min  
Delta R.T.: -0.002 min  
Response: 218275369  
Conc: 53.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

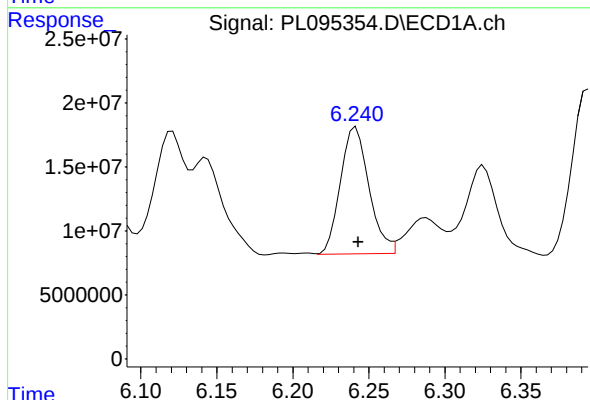
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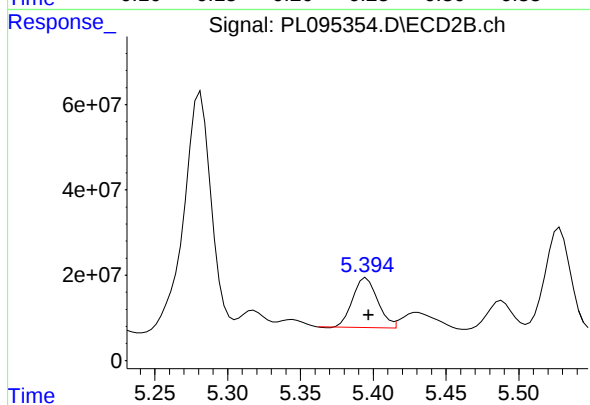
#11 alpha-Chlordane

R.T.: 5.209 min  
Delta R.T.: -0.001 min  
Response: 179800924  
Conc: 45.16 ng/ml



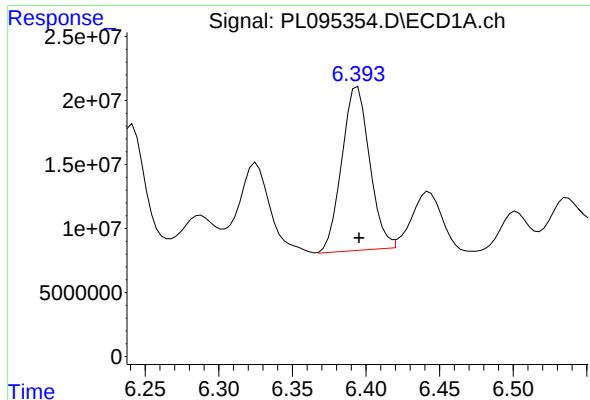
#12 4,4'-DDE

R.T.: 6.242 min  
Delta R.T.: -0.002 min  
Response: 129738593  
Conc: 33.09 ng/ml



#12 4,4'-DDE

R.T.: 5.395 min  
Delta R.T.: -0.001 min  
Response: 138132404  
Conc: 33.96 ng/ml



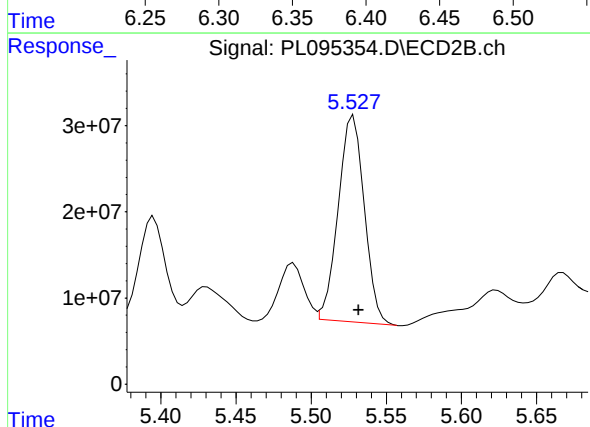
#13 Dieldrin

R.T.: 6.393 min  
Delta R.T.: -0.003 min  
Response: 168125122  
Conc: 43.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

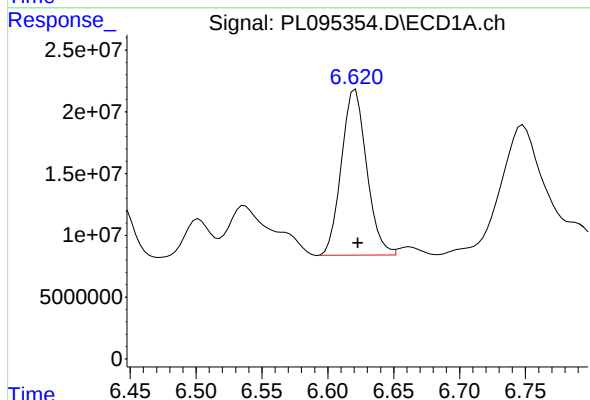
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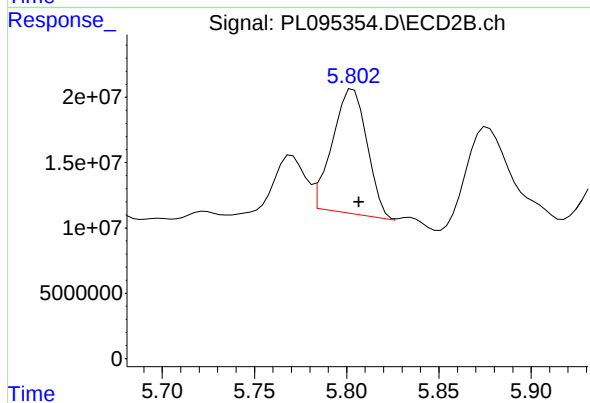
#13 Dieldrin

R.T.: 5.527 min  
Delta R.T.: -0.005 min  
Response: 287788689  
Conc: 70.76 ng/ml m



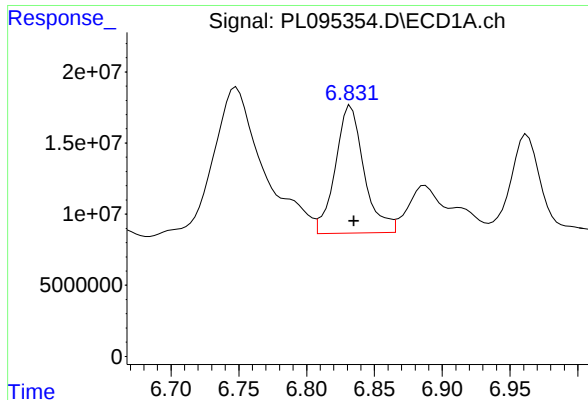
#14 Endrin

R.T.: 6.621 min  
Delta R.T.: -0.002 min  
Response: 178512112  
Conc: 56.05 ng/ml



#14 Endrin

R.T.: 5.802 min  
Delta R.T.: -0.005 min  
Response: 122816775  
Conc: 33.73 ng/ml m



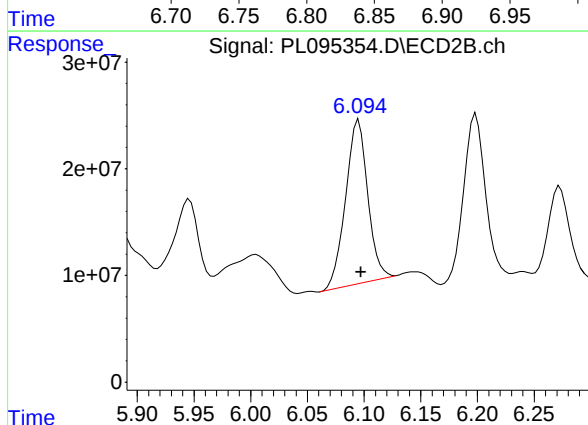
#15 Endosulfan II

R.T.: 6.833 min  
Delta R.T.: -0.002 min  
Response: 132236683  
Conc: 41.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

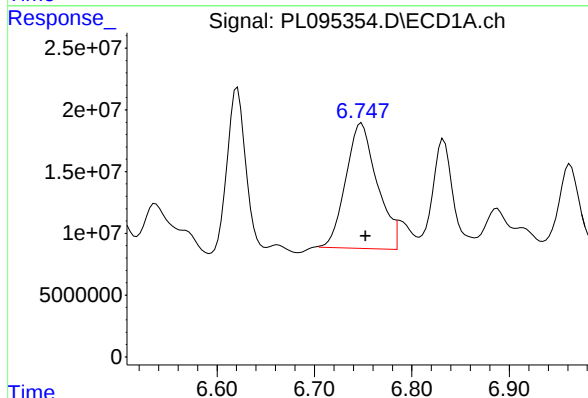
Manual Integrations  
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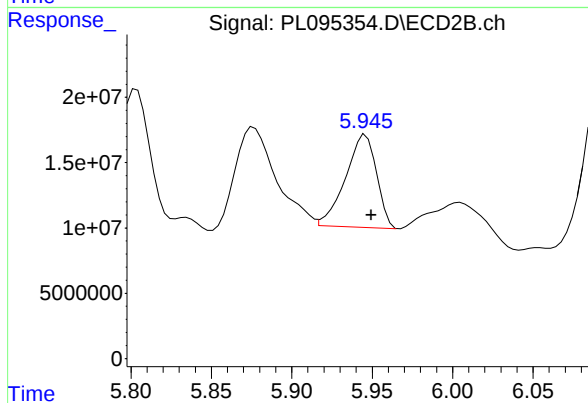
#15 Endosulfan II

R.T.: 6.095 min  
Delta R.T.: -0.002 min  
Response: 208044874  
Conc: 57.93 ng/ml



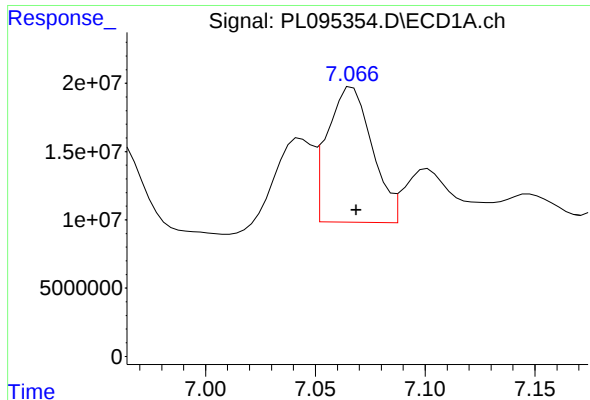
#16 4,4'-DDD

R.T.: 6.747 min  
Delta R.T.: -0.006 min  
Response: 231702988  
Conc: 81.85 ng/ml m



#16 4,4'-DDD

R.T.: 5.945 min  
Delta R.T.: -0.005 min  
Response: 95175982  
Conc: 29.13 ng/ml m



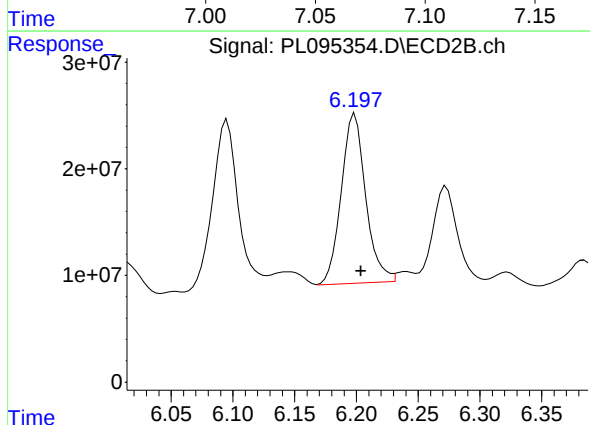
#17 4,4'-DDT

R.T.: 7.066 min  
Delta R.T.: -0.003 min  
Response: 133033498  
Conc: 46.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

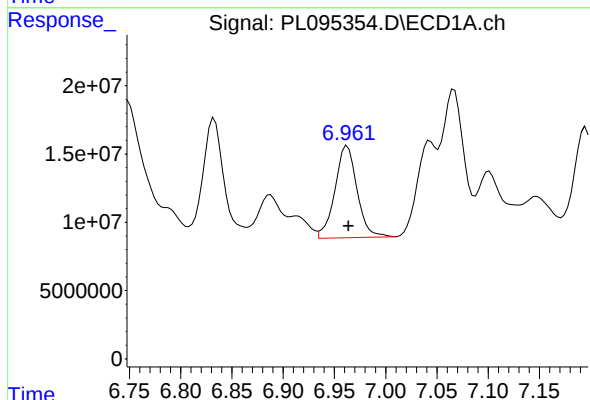
Manual Integrations  
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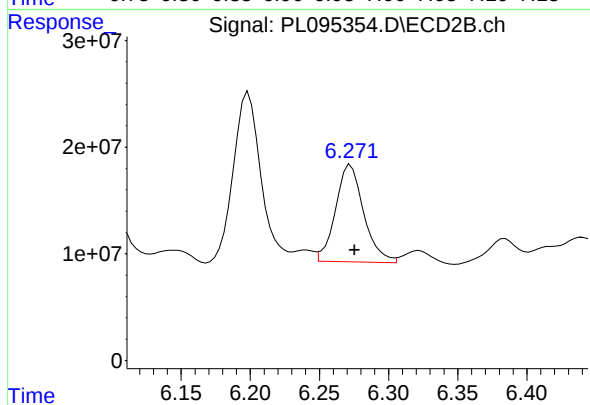
#17 4,4'-DDT

R.T.: 6.197 min  
Delta R.T.: -0.006 min  
Response: 220808215  
Conc: 64.26 ng/ml



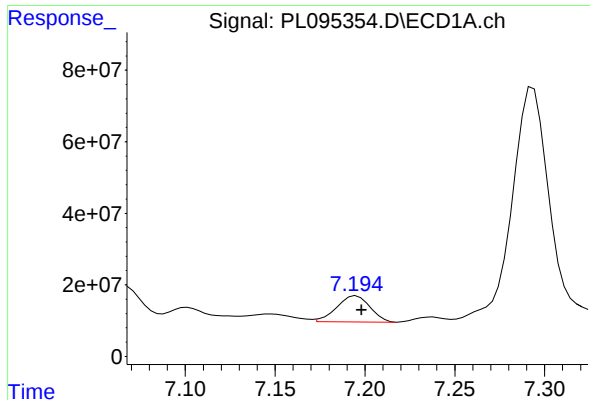
#18 Endrin aldehyde

R.T.: 6.963 min  
Delta R.T.: -0.001 min  
Response: 100858193  
Conc: 43.46 ng/ml



#18 Endrin aldehyde

R.T.: 6.273 min  
Delta R.T.: -0.003 min  
Response: 129275318  
Conc: 49.47 ng/ml



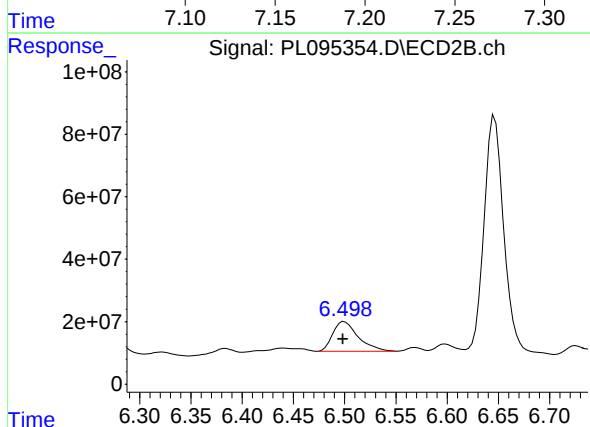
#19 Endosulfan Sulfate

R.T.: 7.194 min  
Delta R.T.: -0.004 min  
Response: 93603947  
Conc: 33.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

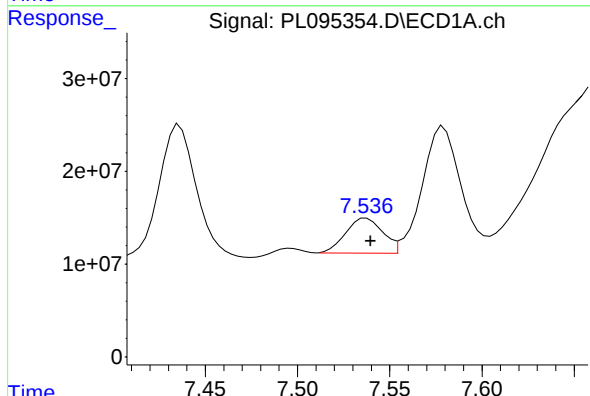
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Reviewed By :Abdul Mirza 04/24/2025  
Supervised By :mohammad ahmed 04/26/2025



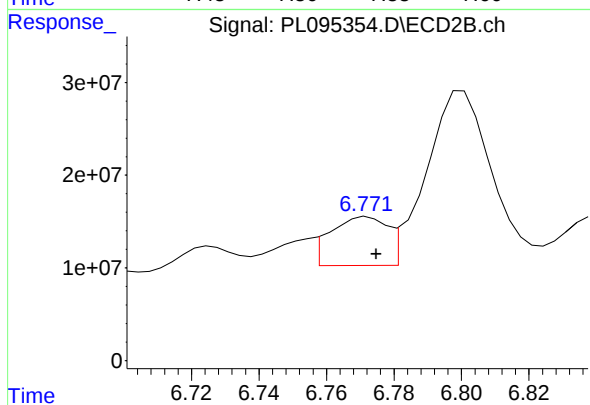
#19 Endosulfan Sulfate

R.T.: 6.498 min  
Delta R.T.: 0.000 min  
Response: 163659894  
Conc: 49.33 ng/ml m



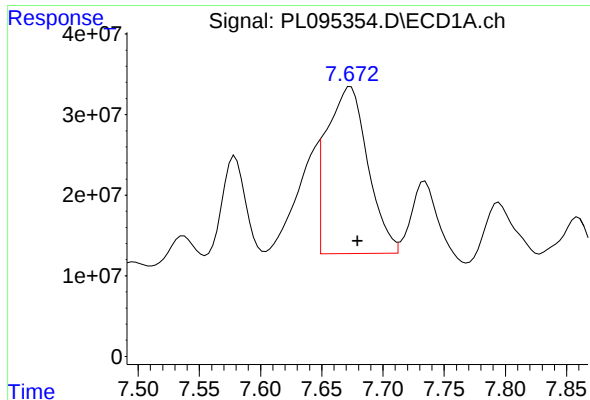
#20 Methoxychlor

R.T.: 7.536 min  
Delta R.T.: -0.004 min  
Response: 56459464  
Conc: 40.47 ng/ml m



#20 Methoxychlor

R.T.: 6.771 min  
Delta R.T.: -0.004 min  
Response: 69076352  
Conc: 36.21 ng/ml m



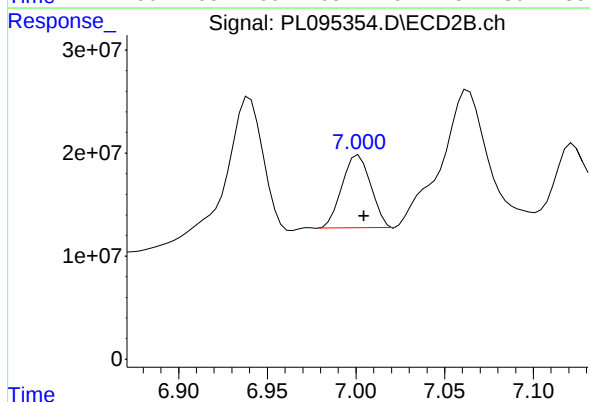
#21 Endrin ketone

R.T.: 7.672 min  
Delta R.T.: -0.007 min  
Response: 471499641  
Conc: 165.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

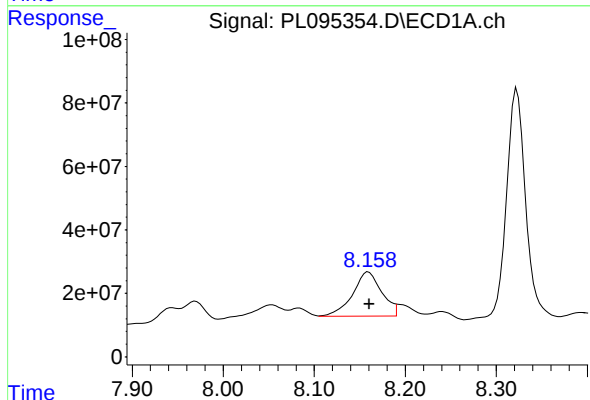
Manual Integrations  
APPROVED

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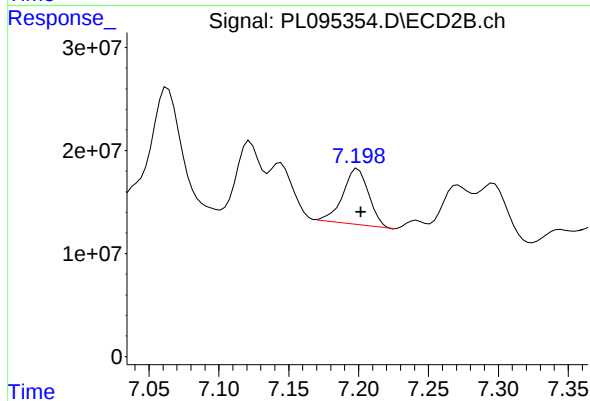
#21 Endrin ketone

R.T.: 7.002 min  
Delta R.T.: -0.003 min  
Response: 79671027  
Conc: 22.63 ng/ml



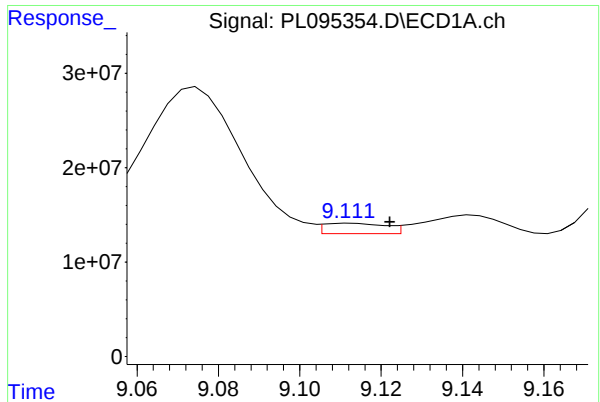
#22 Mirex

R.T.: 8.158 min  
Delta R.T.: -0.002 min  
Response: 309851379  
Conc: 130.41 ng/ml m



#22 Mirex

R.T.: 7.200 min  
Delta R.T.: -0.002 min  
Response: 69957196  
Conc: 24.27 ng/ml



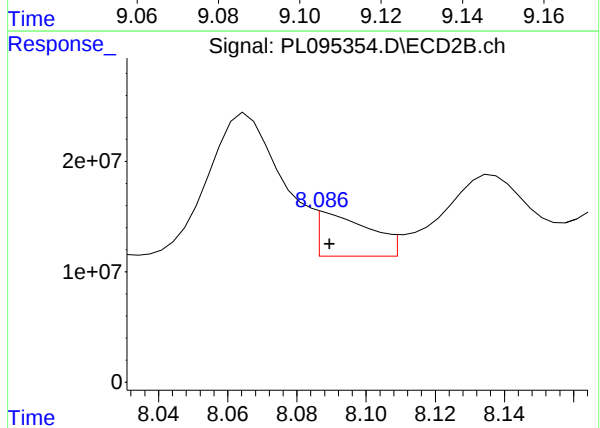
#28 Decachlorobiphenyl

R.T.: 9.111 min  
Delta R.T.: -0.011 min  
Response: 12477672  
Conc: 4.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ETGI-275MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/24/2025  
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#28 Decachlorobiphenyl

R.T.: 8.086 min  
Delta R.T.: -0.003 min  
Response: 40111621  
Conc: 13.55 ng/ml m