

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032525\  
 Data File : PL094834.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 25 Mar 2025 14:00  
 Operator : AR\AJ  
 Sample : PB167272BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB167272BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 03/26/2025  
 Supervised By : mohammad ahmed 03/27/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 26 01:18:08 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 11 17:42:21 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...          | 3.537 | 2.770 | 49050402 | 65569599 | 17.328  | 18.371  |
| 28) SA Decachlor...         | 9.054 | 7.903 | 45511940 | 82348127 | 21.596  | 20.386  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.993 | 3.272 | 190.0E6  | 282.2E6  | 45.752  | 52.350  |
| 3) MA gamma-BHC...          | 4.326 | 3.601 | 183.3E6  | 260.6E6  | 45.938  | 50.703  |
| 4) MA Heptachlor            | 4.914 | 3.939 | 176.7E6  | 260.9E6  | 45.528  | 49.521  |
| 5) MB Aldrin                | 5.255 | 4.218 | 167.3E6  | 243.9E6  | 45.322  | 50.018  |
| 6) B beta-BHC               | 4.525 | 3.902 | 84225581 | 113.8E6  | 45.645  | 51.233  |
| 7) B delta-BHC              | 4.772 | 4.130 | 189.4E6  | 256.9E6  | 48.640  | 51.350  |
| 8) B Heptachlo...           | 5.681 | 4.721 | 157.0E6  | 232.5E6  | 46.940m | 50.772  |
| 9) A Endosulfan I           | 6.068 | 5.091 | 147.1E6  | 221.7E6  | 47.925  | 50.521  |
| 10) B gamma-Chl...          | 5.939 | 4.969 | 158.1E6  | 245.3E6  | 46.927  | 50.796m |
| 11) B alpha-Chl...          | 6.017 | 5.035 | 156.9E6  | 241.1E6  | 47.603  | 50.510  |
| 12) B 4,4'-DDE              | 6.191 | 5.223 | 155.9E6  | 249.1E6  | 52.984  | 53.589  |
| 13) MA Dieldrin             | 6.343 | 5.355 | 156.3E6  | 248.5E6  | 48.878  | 51.228  |
| 14) MA Endrin               | 6.571 | 5.630 | 136.0E6  | 227.5E6  | 49.049m | 52.146  |
| 15) B Endosulfa...          | 6.793 | 5.926 | 133.8E6  | 224.5E6  | 49.289  | 51.868  |
| 16) A 4,4'-DDD              | 6.709 | 5.778 | 117.8E6  | 201.4E6  | 54.391  | 56.006  |
| 17) MA 4,4'-DDT             | 7.022 | 6.028 | 129.0E6  | 225.9E6  | 54.219  | 56.024  |
| 18) B Endrin al...          | 6.923 | 6.105 | 106.4E6  | 176.3E6  | 50.425  | 52.395  |
| 19) B Endosulfa...          | 7.158 | 6.327 | 119.1E6  | 219.3E6  | 48.990  | 53.847  |
| 20) A Methoxychlor          | 7.499 | 6.603 | 67235152 | 122.8E6  | 56.166  | 57.874  |
| 21) B Endrin ke...          | 7.643 | 6.831 | 134.3E6  | 257.3E6  | 50.824  | 53.916m |
| 22) Mirex                   | 8.116 | 7.012 | 99506213 | 197.8E6  | 48.157  | 52.128  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032525\  
Data File : PL094834.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 25 Mar 2025 14:00  
Operator : AR\AJ  
Sample : PB167272BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB167272BS

## Manual Integrations

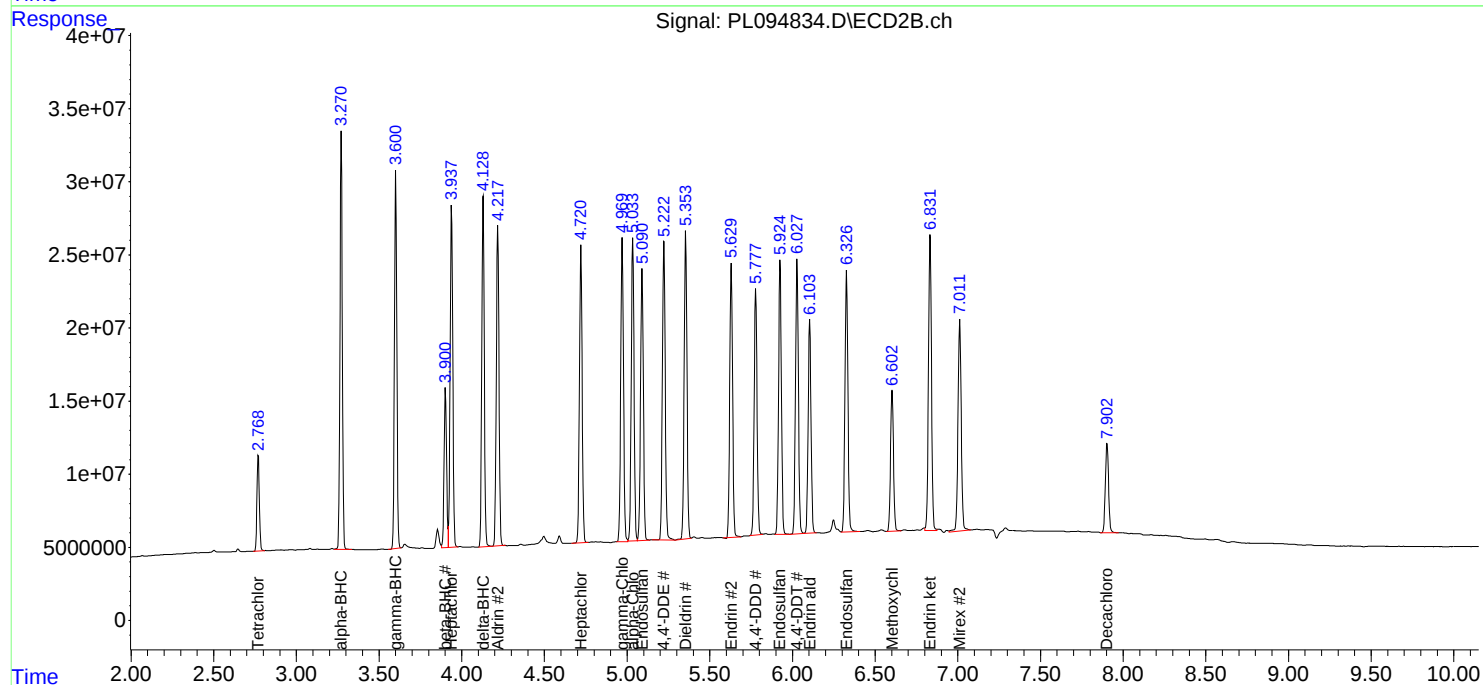
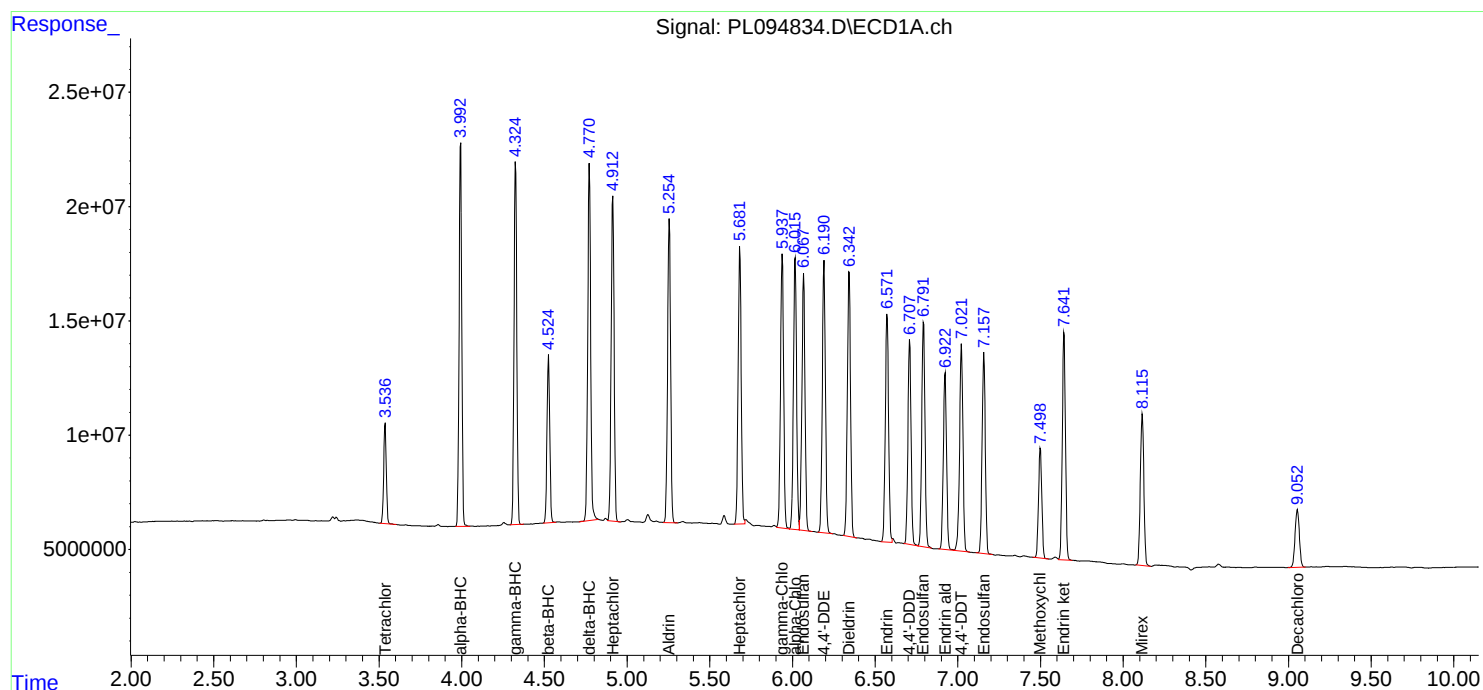
## APPROVED

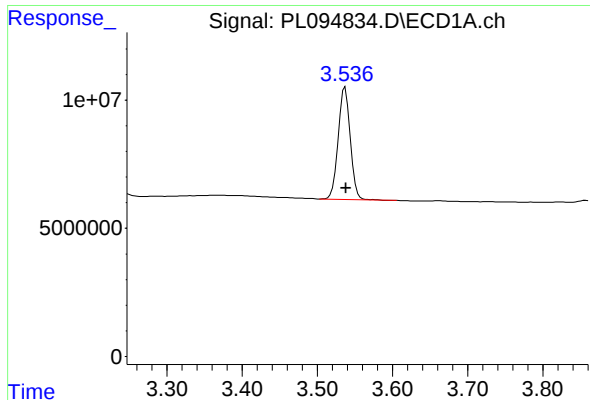
Reviewed By :Abdul Mirza 03/26/2025

Supervised By :mohammad ahmed 03/27/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 26 01:18:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031125.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 11 17:42:21 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





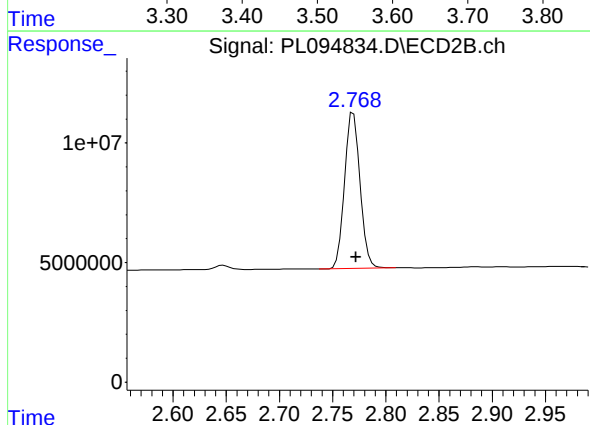
#1 Tetrachloro-m-xylene

R.T.: 3.537 min  
Delta R.T.: 0.000 min  
Response: 49050402  
Conc: 17.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

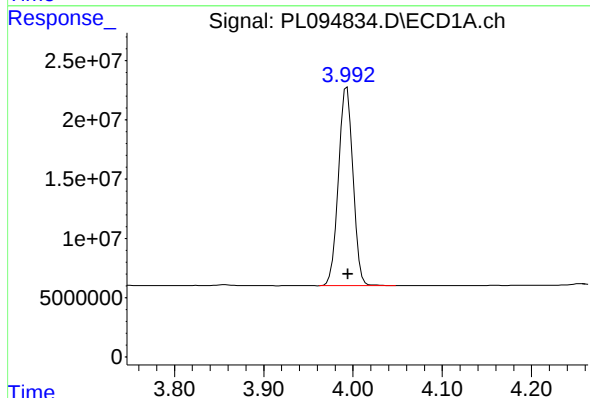
Manual Integrations  
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Supervised By :mohammad ahmed 03/27/2025



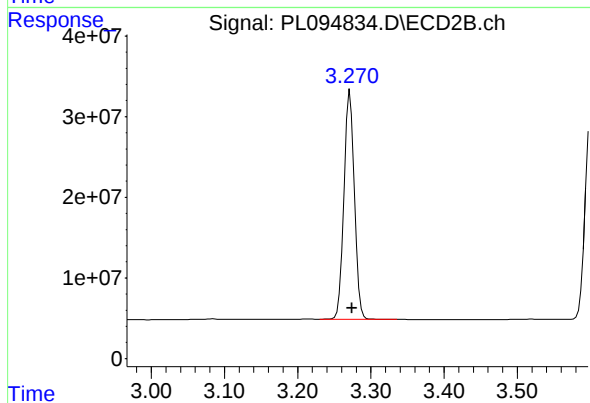
#1 Tetrachloro-m-xylene

R.T.: 2.770 min  
Delta R.T.: -0.002 min  
Response: 65569599  
Conc: 18.37 ng/ml



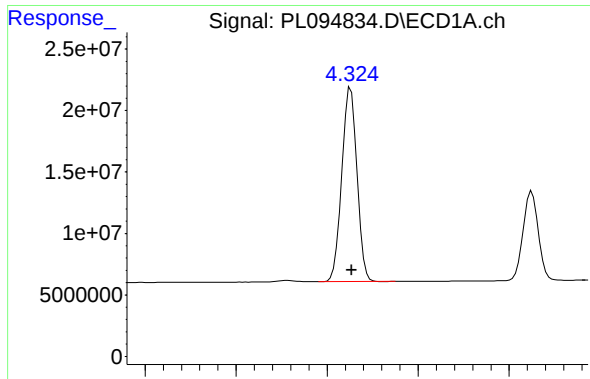
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 189980024  
Conc: 45.75 ng/ml



#2 alpha-BHC

R.T.: 3.272 min  
Delta R.T.: -0.003 min  
Response: 282239709  
Conc: 52.35 ng/ml



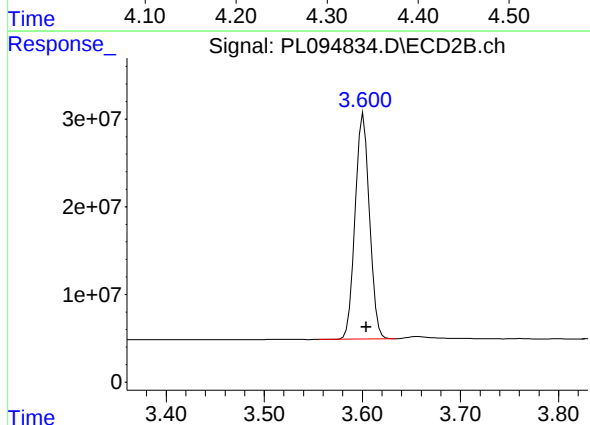
#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: -0.001 min  
Response: 183306611  
Conc: 45.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

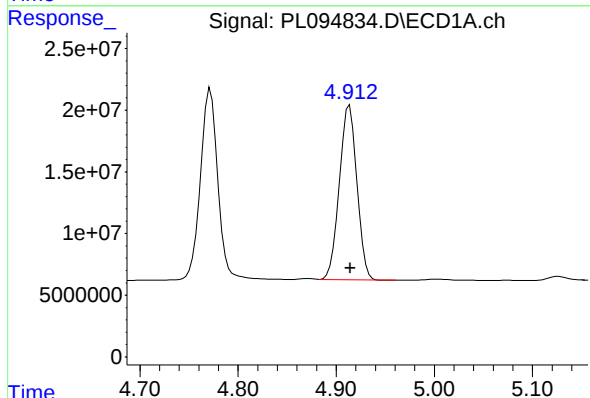
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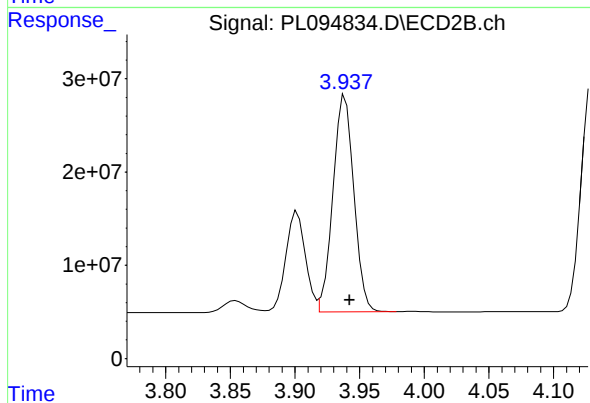
#3 gamma-BHC (Lindane)

R.T.: 3.601 min  
Delta R.T.: -0.003 min  
Response: 260586626  
Conc: 50.70 ng/ml



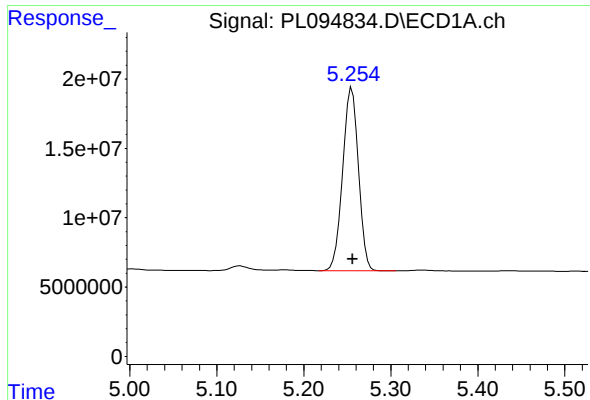
#4 Heptachlor

R.T.: 4.914 min  
Delta R.T.: 0.000 min  
Response: 176721965  
Conc: 45.53 ng/ml



#4 Heptachlor

R.T.: 3.939 min  
Delta R.T.: -0.004 min  
Response: 260911059  
Conc: 49.52 ng/ml



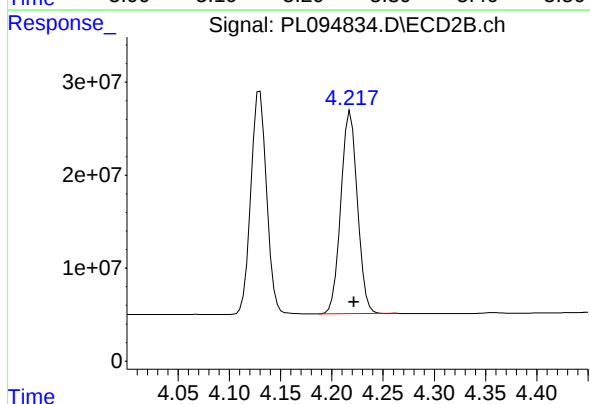
#5 Aldrin

R.T.: 5.255 min  
Delta R.T.: 0.000 min  
Response: 167339569  
Conc: 45.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

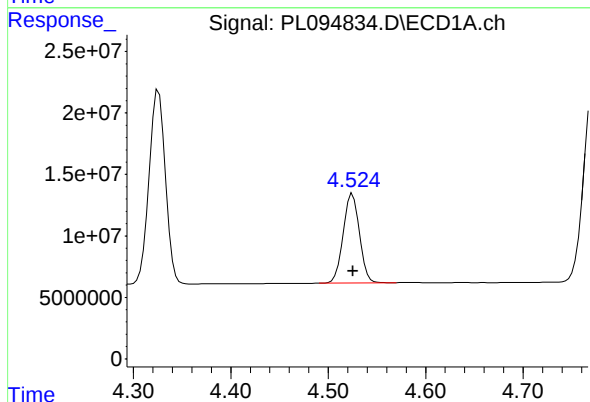
Manual Integrations  
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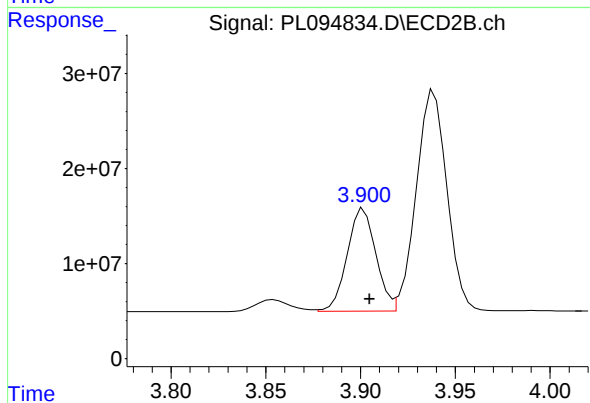
#5 Aldrin

R.T.: 4.218 min  
Delta R.T.: -0.004 min  
Response: 243904385  
Conc: 50.02 ng/ml



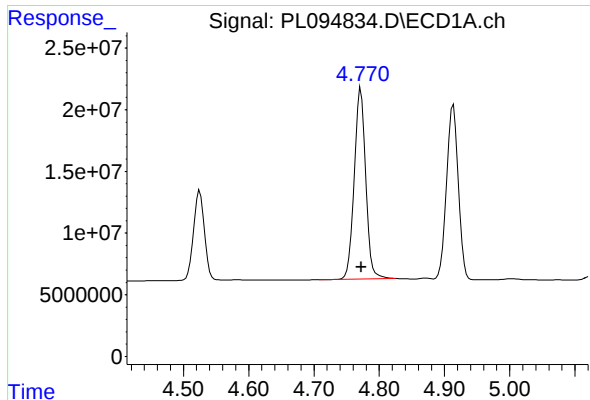
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 84225581  
Conc: 45.65 ng/ml



#6 beta-BHC

R.T.: 3.902 min  
Delta R.T.: -0.003 min  
Response: 113802748  
Conc: 51.23 ng/ml



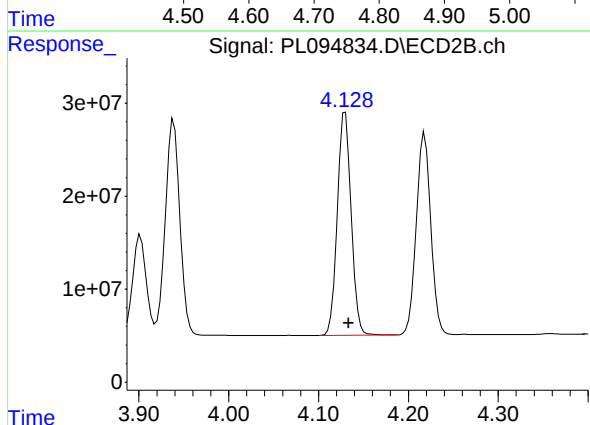
#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 189420818  
Conc: 48.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

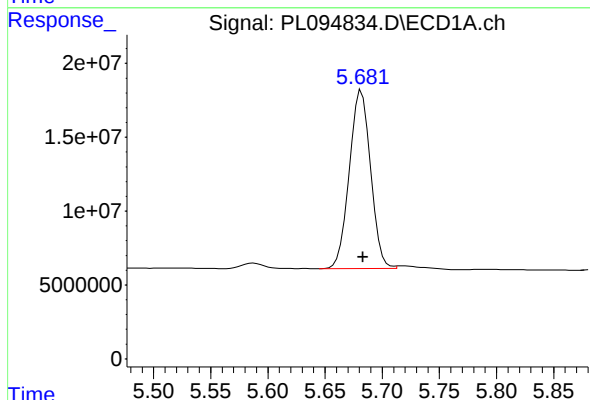
Manual Integrations  
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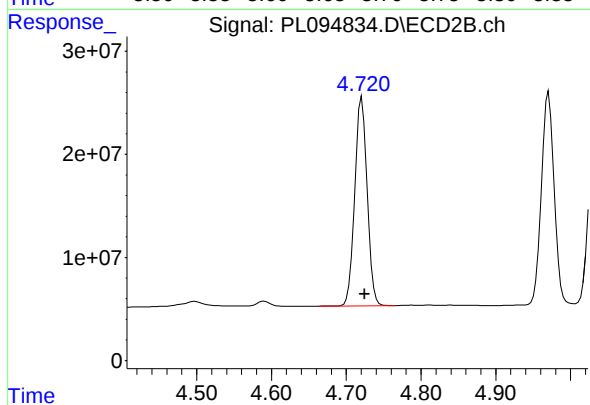
#7 delta-BHC

R.T.: 4.130 min  
Delta R.T.: -0.003 min  
Response: 256850105  
Conc: 51.35 ng/ml



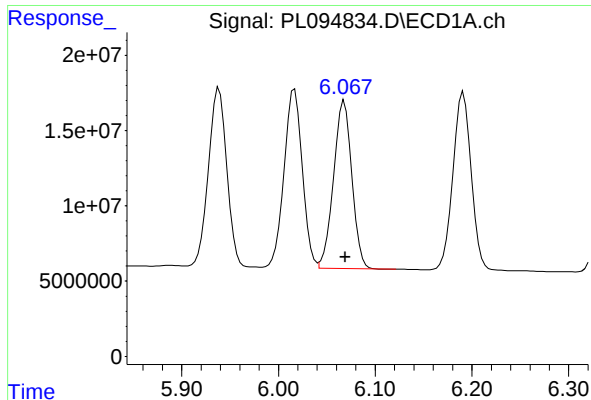
#8 Heptachlor epoxide

R.T.: 5.681 min  
Delta R.T.: -0.003 min  
Response: 157023911  
Conc: 46.94 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.721 min  
Delta R.T.: -0.004 min  
Response: 232462952  
Conc: 50.77 ng/ml



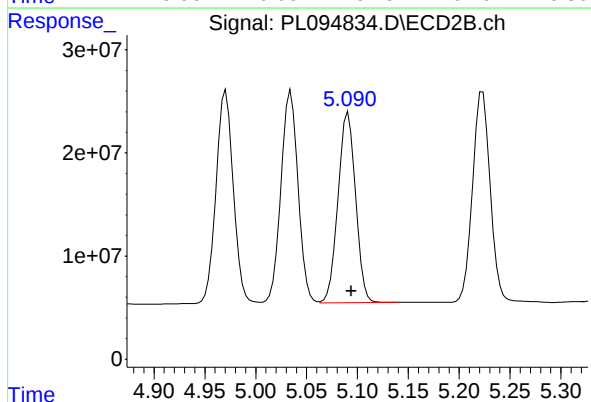
#9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 147141022  
Conc: 47.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

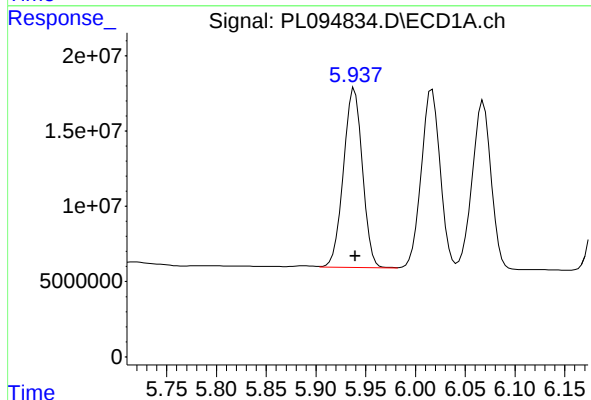
Manual Integrations  
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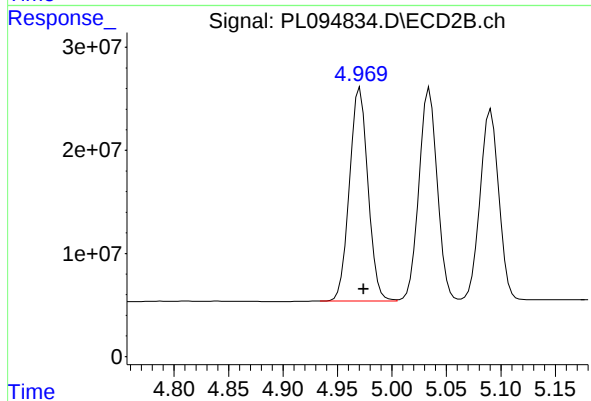
#9 Endosulfan I

R.T.: 5.091 min  
Delta R.T.: -0.003 min  
Response: 221721151  
Conc: 50.52 ng/ml



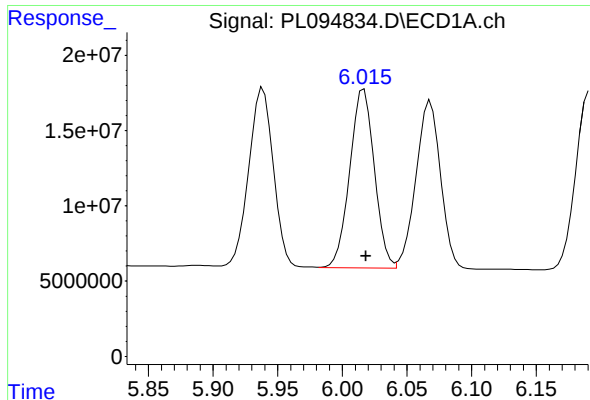
#10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 158114560  
Conc: 46.93 ng/ml



#10 gamma-Chlordane

R.T.: 4.969 min  
Delta R.T.: -0.005 min  
Response: 245262781  
Conc: 50.80 ng/ml m



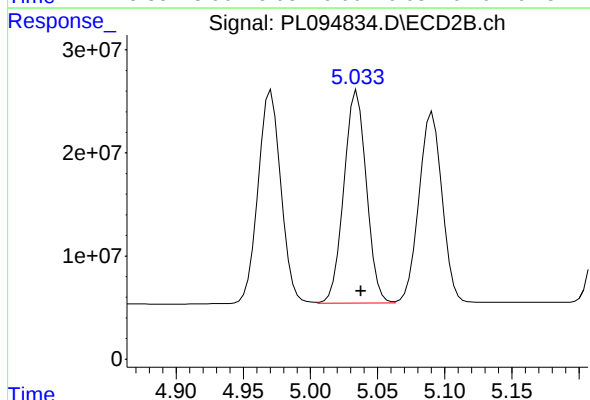
#11 alpha-Chlordane

R.T.: 6.017 min  
Delta R.T.: -0.002 min  
Response: 156940694  
Conc: 47.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

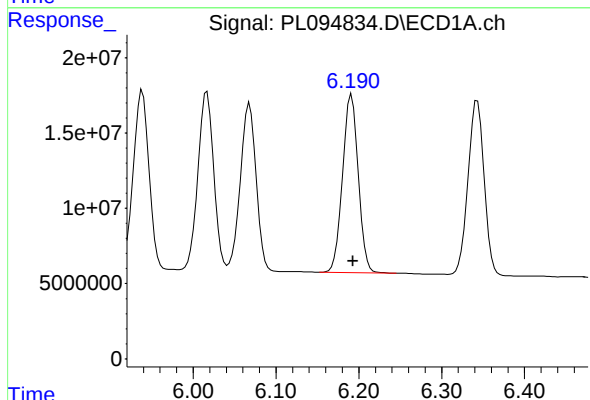
Manual Integrations  
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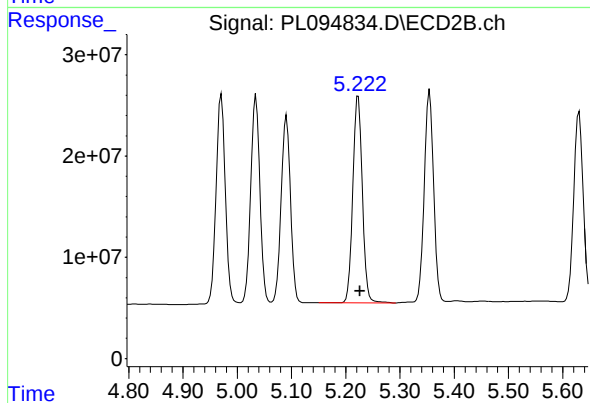
#11 alpha-Chlordane

R.T.: 5.035 min  
Delta R.T.: -0.003 min  
Response: 241070775  
Conc: 50.51 ng/ml



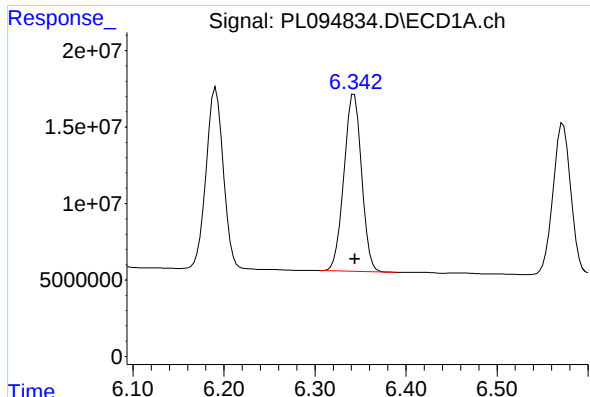
#12 4,4'-DDE

R.T.: 6.191 min  
Delta R.T.: -0.002 min  
Response: 155880919  
Conc: 52.98 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min  
Delta R.T.: -0.003 min  
Response: 249108065  
Conc: 53.59 ng/ml



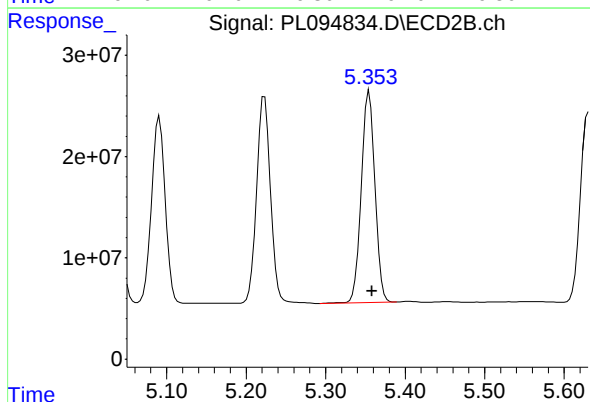
#13 Dieldrin

R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 156317883  
Conc: 48.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

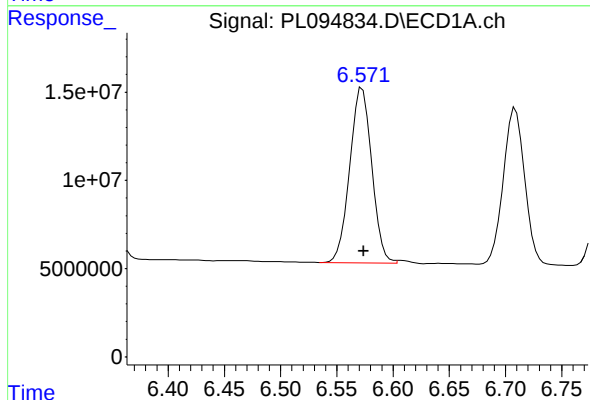
Manual Integrations  
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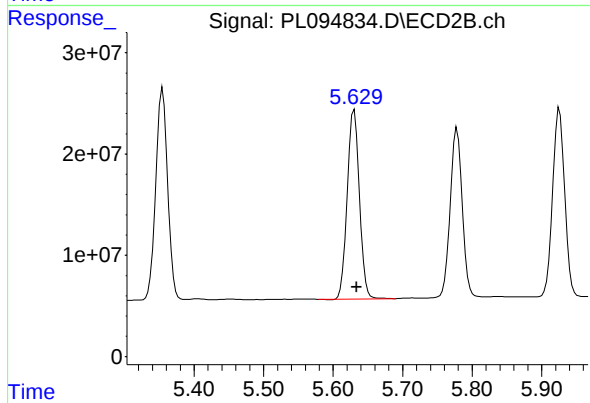
#13 Dieldrin

R.T.: 5.355 min  
Delta R.T.: -0.003 min  
Response: 248549042  
Conc: 51.23 ng/ml



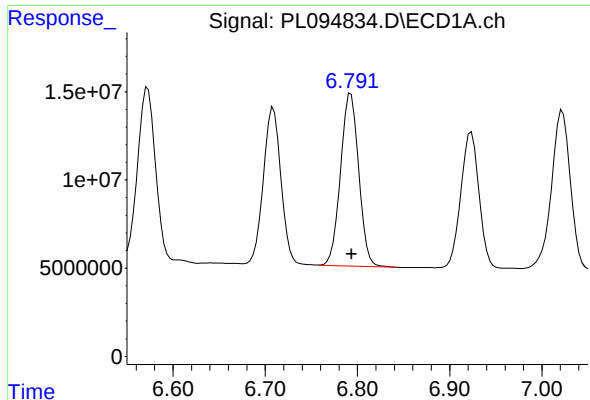
#14 Endrin

R.T.: 6.571 min  
Delta R.T.: -0.002 min  
Response: 135968026  
Conc: 49.05 ng/ml m



#14 Endrin

R.T.: 5.630 min  
Delta R.T.: -0.003 min  
Response: 227546921  
Conc: 52.15 ng/ml



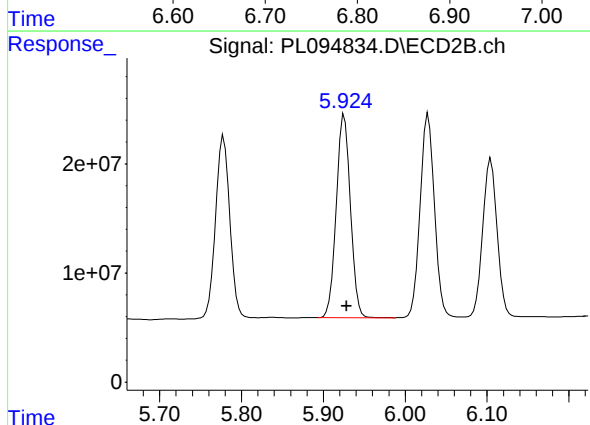
#15 Endosulfan II

R.T.: 6.793 min  
Delta R.T.: 0.000 min  
Response: 133808028  
Conc: 49.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

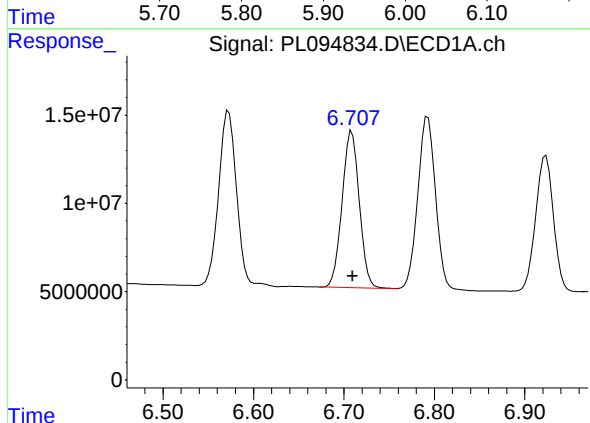
Manual Integrations  
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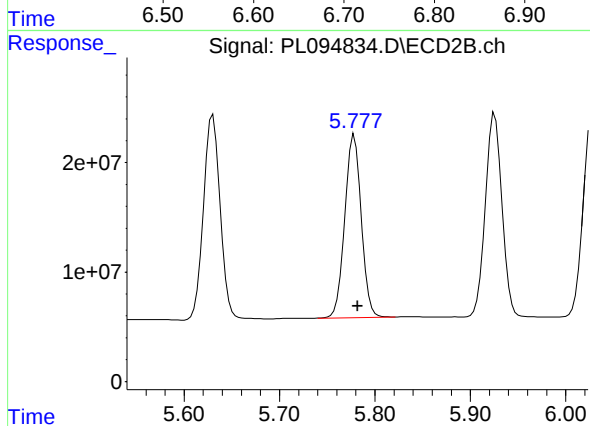
#15 Endosulfan II

R.T.: 5.926 min  
Delta R.T.: -0.003 min  
Response: 224497876  
Conc: 51.87 ng/ml



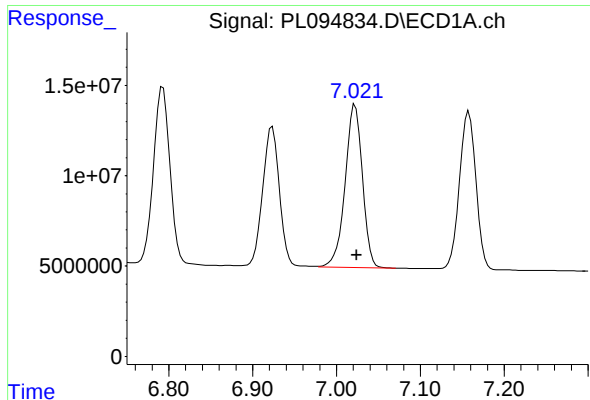
#16 4,4'-DDD

R.T.: 6.709 min  
Delta R.T.: 0.000 min  
Response: 117814253  
Conc: 54.39 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min  
Delta R.T.: -0.004 min  
Response: 201392289  
Conc: 56.01 ng/ml



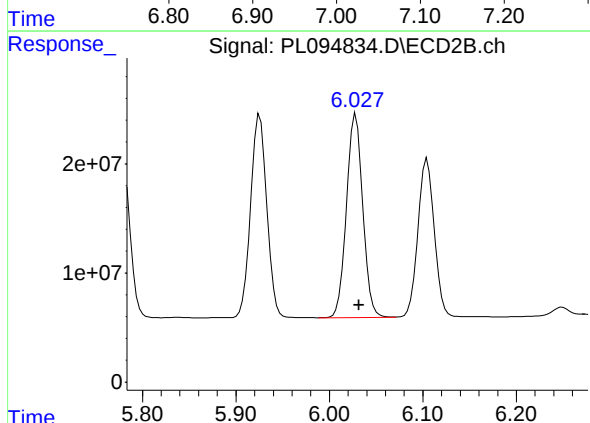
#17 4,4'-DDT

R.T.: 7.022 min  
Delta R.T.: -0.002 min  
Response: 128962154  
Conc: 54.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

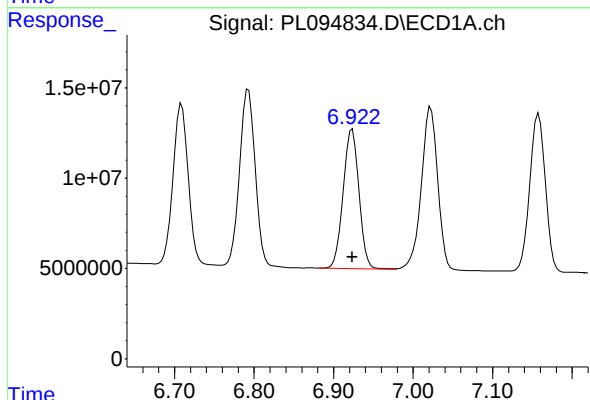
Manual Integrations  
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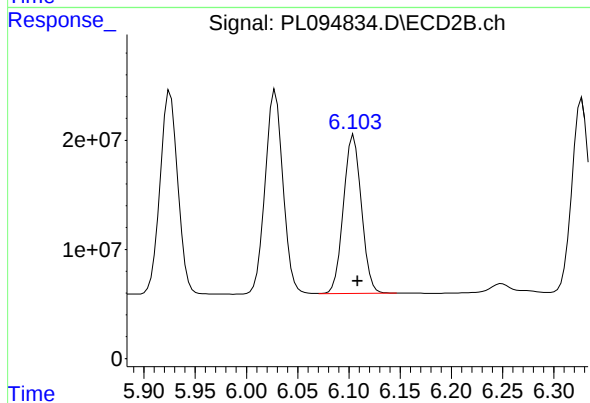
#17 4,4'-DDT

R.T.: 6.028 min  
Delta R.T.: -0.003 min  
Response: 225896610  
Conc: 56.02 ng/ml



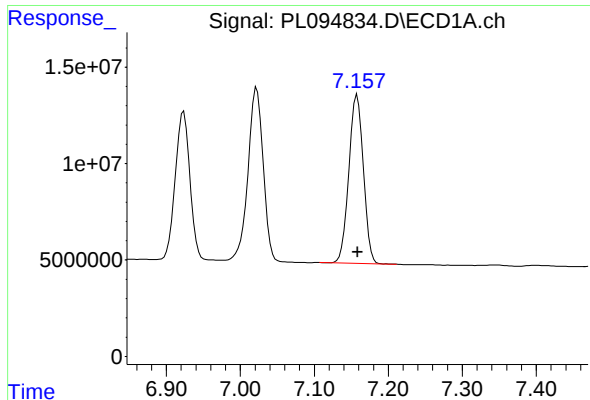
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: 0.000 min  
Response: 106446353  
Conc: 50.42 ng/ml



#18 Endrin aldehyde

R.T.: 6.105 min  
Delta R.T.: -0.004 min  
Response: 176327727  
Conc: 52.39 ng/ml



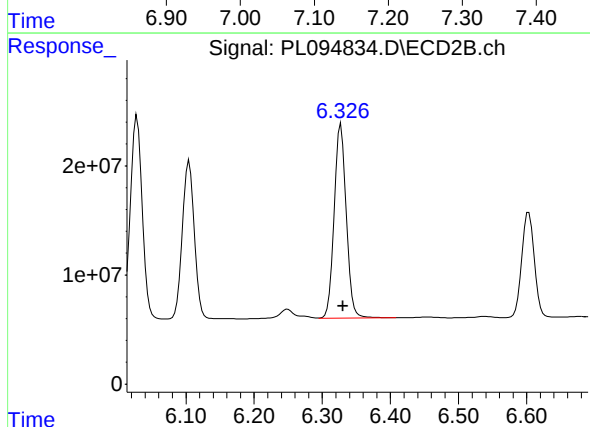
#19 Endosulfan Sulfate

R.T.: 7.158 min  
Delta R.T.: 0.000 min  
Response: 119143674  
Conc: 48.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

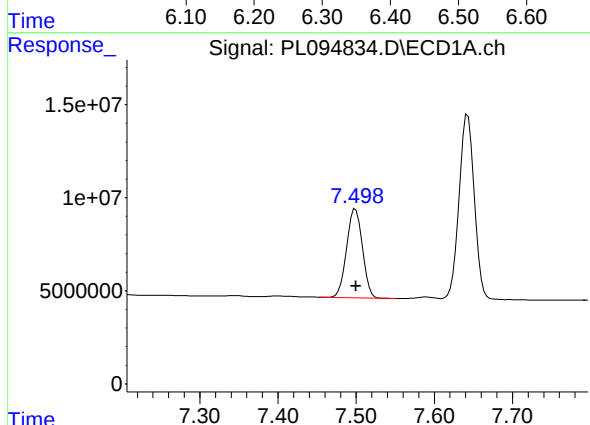
Manual Integrations  
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Reviewed By :Abdul Mirza 03/26/2025  
Supervised By :mohammad ahmed 03/27/2025



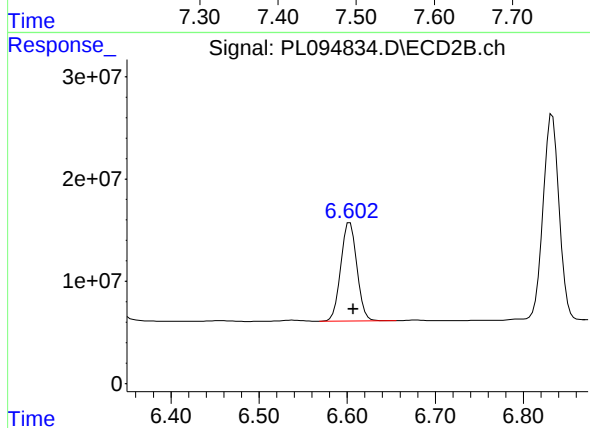
#19 Endosulfan Sulfate

R.T.: 6.327 min  
Delta R.T.: -0.003 min  
Response: 219341762  
Conc: 53.85 ng/ml



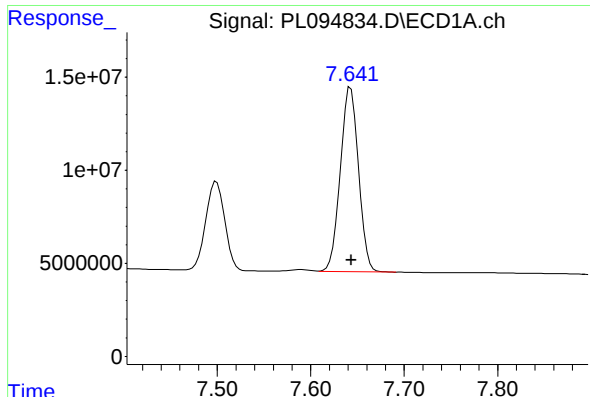
#20 Methoxychlor

R.T.: 7.499 min  
Delta R.T.: 0.000 min  
Response: 67235152  
Conc: 56.17 ng/ml



#20 Methoxychlor

R.T.: 6.603 min  
Delta R.T.: -0.004 min  
Response: 122753632  
Conc: 57.87 ng/ml



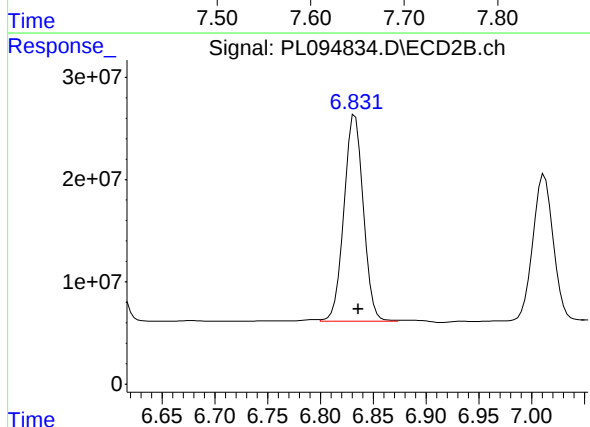
#21 Endrin ketone

R.T.: 7.643 min  
Delta R.T.: 0.000 min  
Response: 134341664  
Conc: 50.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

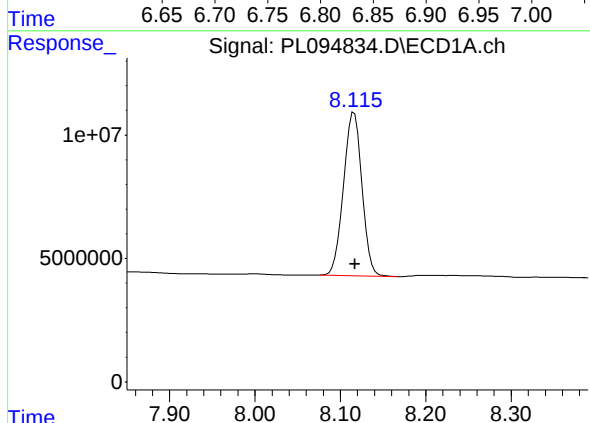
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/26/2025  
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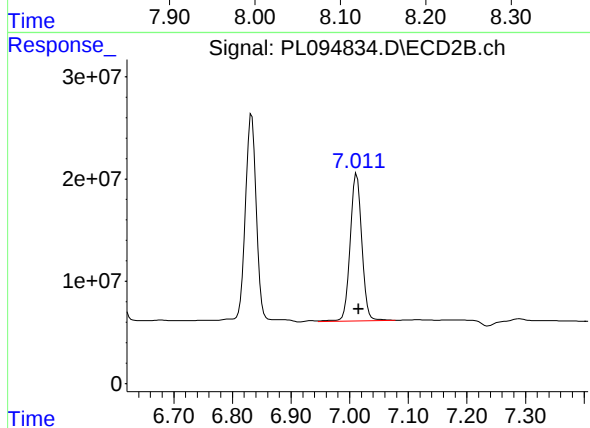
#21 Endrin ketone

R.T.: 6.831 min  
Delta R.T.: -0.005 min  
Response: 257319573  
Conc: 53.92 ng/ml m



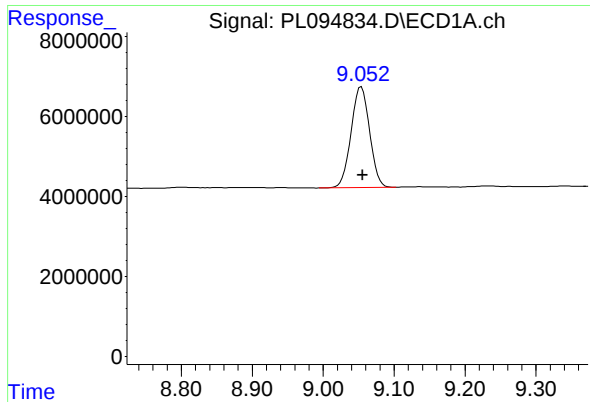
#22 Mirex

R.T.: 8.116 min  
Delta R.T.: 0.000 min  
Response: 99506213  
Conc: 48.16 ng/ml



#22 Mirex

R.T.: 7.012 min  
Delta R.T.: -0.004 min  
Response: 197842609  
Conc: 52.13 ng/ml



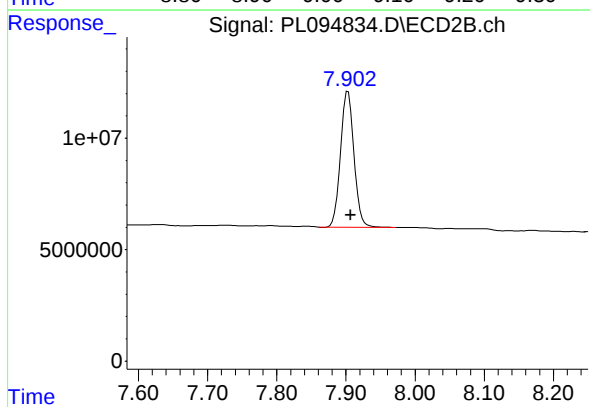
#28 Decachlorobiphenyl

R.T.: 9.054 min  
Delta R.T.: -0.002 min  
Response: 45511940  
Conc: 21.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167272BS

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 7.903 min  
Delta R.T.: -0.004 min  
Response: 82348127  
Conc: 20.39 ng/ml