

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031725\  
 Data File : PL094703.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Mar 2025 10:43  
 Operator : AR\AJ  
 Sample : PB167125BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB167125BS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 03/18/2025  
 Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 18 01:12:52 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 | 2.771 | 55339695 | 71005777 | 19.550  | 19.894  |
| 28) SA Decachlor...         | 9.053 | 7.904 | 51899153 | 88874914 | 24.626  | 22.002  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.994 | 3.273 | 186.1E6  | 252.6E6  | 44.823  | 46.845  |
| 3) MA gamma-BHC...          | 4.326 | 3.603 | 181.2E6  | 240.9E6  | 45.415  | 46.881  |
| 4) MA Heptachlor            | 4.914 | 3.940 | 175.7E6  | 247.6E6  | 45.270  | 47.000  |
| 5) MB Aldrin                | 5.256 | 4.219 | 169.8E6  | 232.5E6  | 45.987  | 47.674  |
| 6) B beta-BHC               | 4.525 | 3.903 | 83413888 | 109.0E6  | 45.205  | 49.081  |
| 7) B delta-BHC              | 4.772 | 4.131 | 189.5E6  | 243.3E6  | 48.656  | 48.634  |
| 8) B Heptachlo...           | 5.682 | 4.722 | 158.3E6  | 224.1E6  | 47.330  | 48.940  |
| 9) A Endosulfan I           | 6.068 | 5.092 | 147.2E6  | 210.9E6  | 47.941  | 48.058  |
| 10) B gamma-Chl...          | 5.939 | 4.972 | 160.0E6  | 235.9E6  | 47.490  | 48.861  |
| 11) B alpha-Chl...          | 6.017 | 5.036 | 157.3E6  | 232.7E6  | 47.713  | 48.746  |
| 12) B 4,4'-DDE              | 6.192 | 5.223 | 151.2E6  | 235.7E6  | 51.387  | 50.697m |
| 13) MA Dieldrin             | 6.343 | 5.354 | 154.4E6  | 241.5E6  | 48.286  | 49.767m |
| 14) MA Endrin               | 6.572 | 5.630 | 131.0E6  | 220.6E6  | 47.264m | 50.557m |
| 15) B Endosulfa...          | 6.794 | 5.927 | 133.2E6  | 219.7E6  | 49.054  | 50.768  |
| 16) A 4,4'-DDD              | 6.709 | 5.780 | 114.7E6  | 194.2E6  | 52.974  | 53.995  |
| 17) MA 4,4'-DDT             | 7.023 | 6.029 | 125.0E6  | 213.3E6  | 52.543  | 52.911  |
| 18) B Endrin al...          | 6.923 | 6.106 | 104.5E6  | 170.2E6  | 49.488  | 50.575  |
| 19) B Endosulfa...          | 7.157 | 6.329 | 122.0E6  | 211.7E6  | 50.177  | 51.981  |
| 20) A Methoxychlor          | 7.499 | 6.604 | 63570975 | 112.0E6  | 53.105  | 52.817  |
| 21) B Endrin ke...          | 7.643 | 6.832 | 135.1E6  | 254.6E6  | 51.103  | 53.340m |
| 22) Mirex                   | 8.116 | 7.014 | 103.6E6  | 193.1E6  | 50.149  | 50.882  |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031725\  
Data File : PL094703.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Mar 2025 10:43  
Operator : AR\AJ  
Sample : PB167125BS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB167125BS

## Manual Integrations

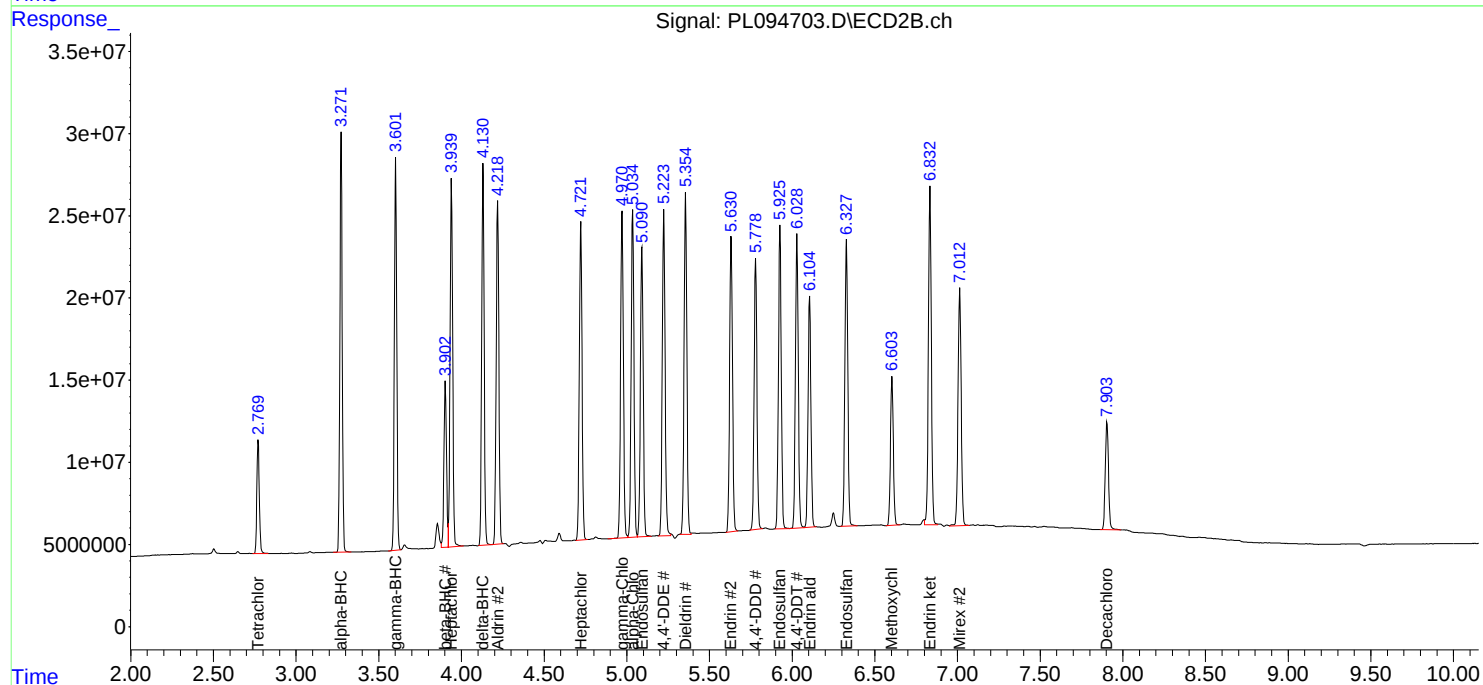
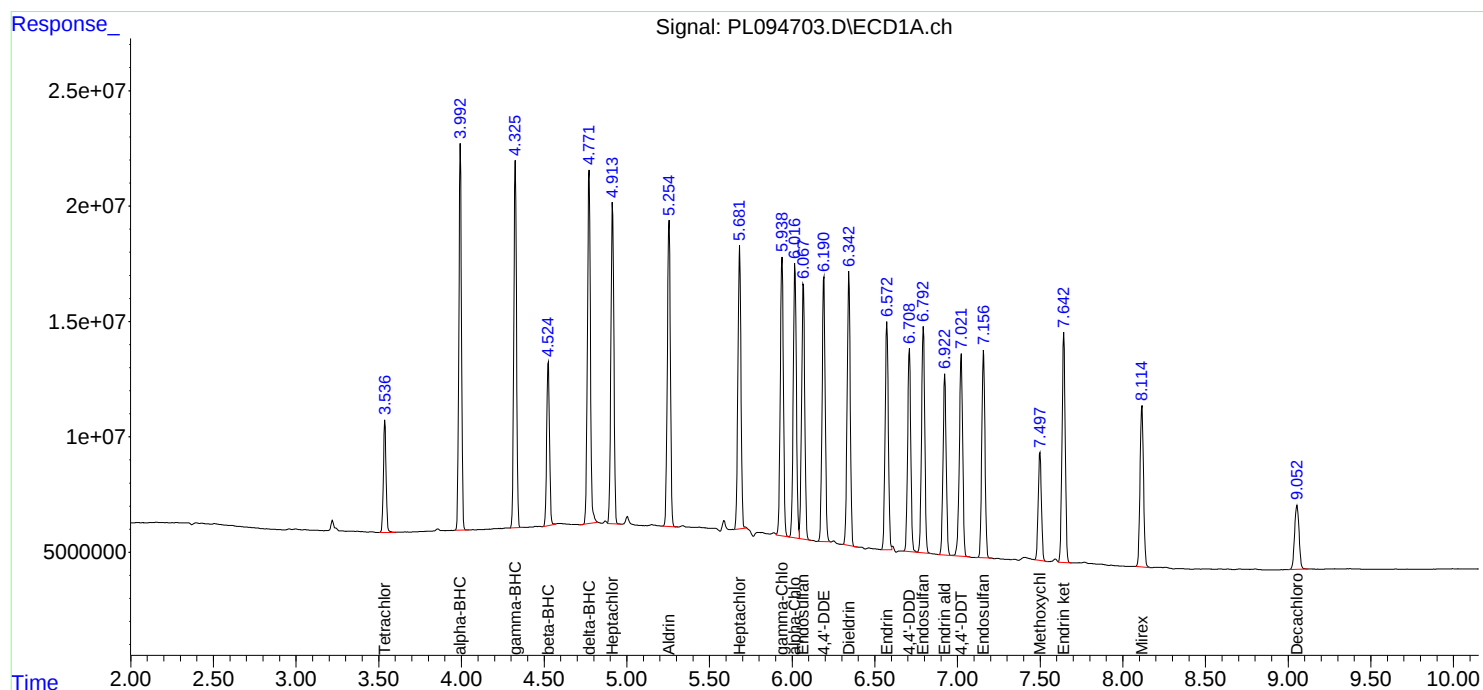
## APPROVED

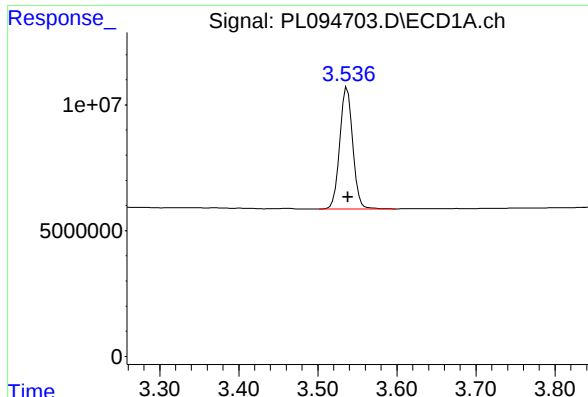
Reviewed By :Abdul Mirza 03/18/2025

Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 18 01:12:52 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





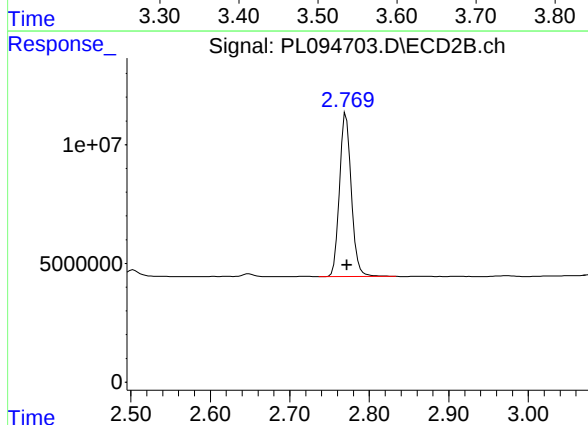
#1 Tetrachloro-m-xylene

R.T.: 3.537 min  
Delta R.T.: 0.000 min  
Response: 55339695  
Conc: 19.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

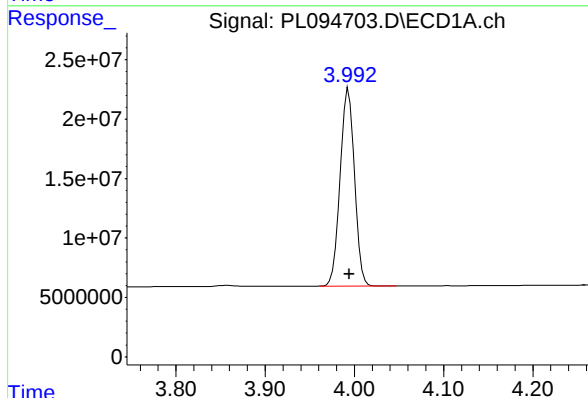
Manual Integrations  
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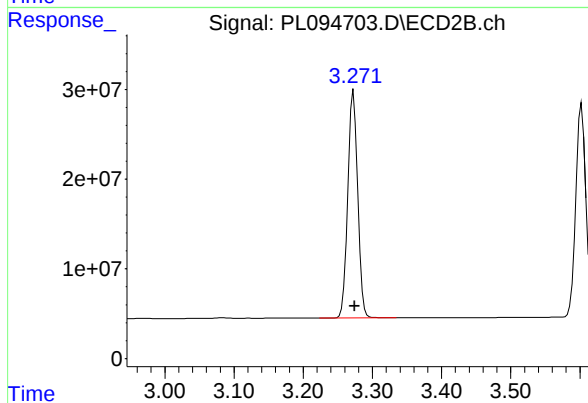
#1 Tetrachloro-m-xylene

R.T.: 2.771 min  
Delta R.T.: -0.001 min  
Response: 71005777  
Conc: 19.89 ng/ml



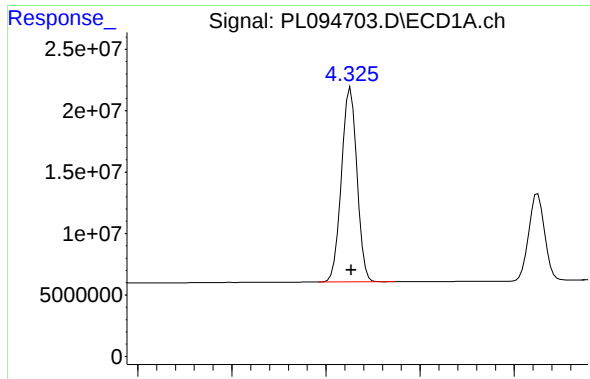
#2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 186120556  
Conc: 44.82 ng/ml



#2 alpha-BHC

R.T.: 3.273 min  
Delta R.T.: -0.002 min  
Response: 252560246  
Conc: 46.85 ng/ml



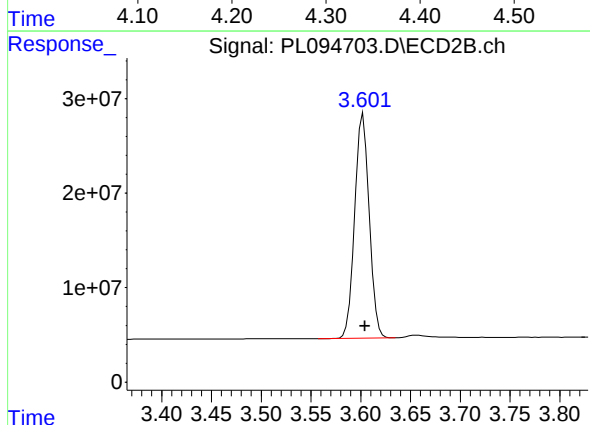
#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 181218659  
Conc: 45.42 ng/ml

Instrument :  
ECD\_L  
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PB167125BS

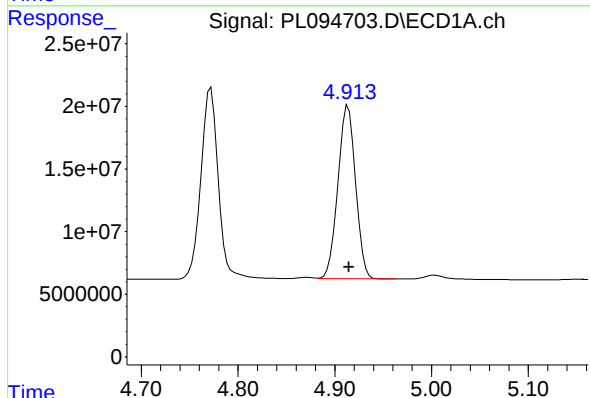
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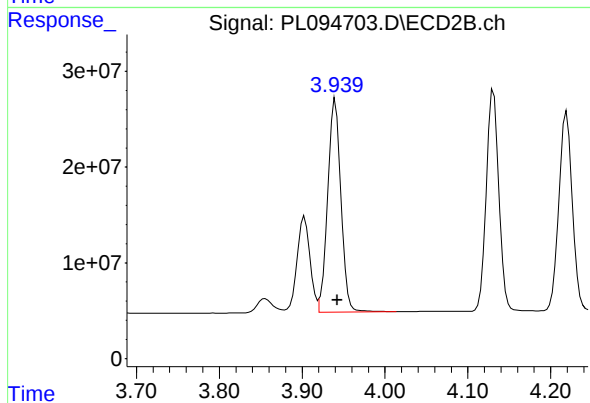
#3 gamma-BHC (Lindane)

R.T.: 3.603 min  
Delta R.T.: -0.002 min  
Response: 240941712  
Conc: 46.88 ng/ml



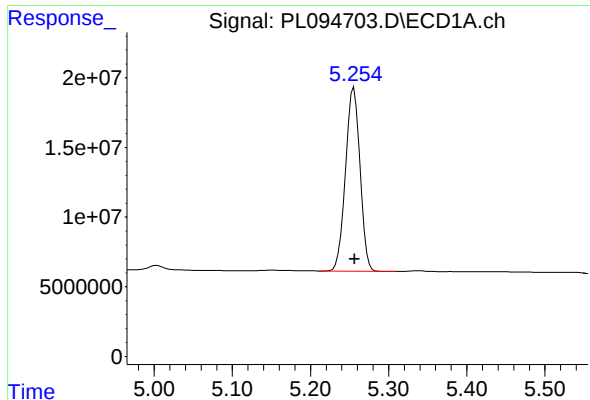
#4 Heptachlor

R.T.: 4.914 min  
Delta R.T.: 0.000 min  
Response: 175720546  
Conc: 45.27 ng/ml



#4 Heptachlor

R.T.: 3.940 min  
Delta R.T.: -0.002 min  
Response: 247625919  
Conc: 47.00 ng/ml



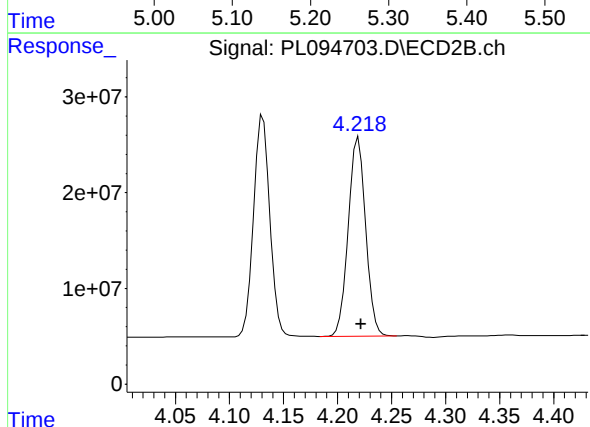
#5 Aldrin

R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 169794738  
Conc: 45.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

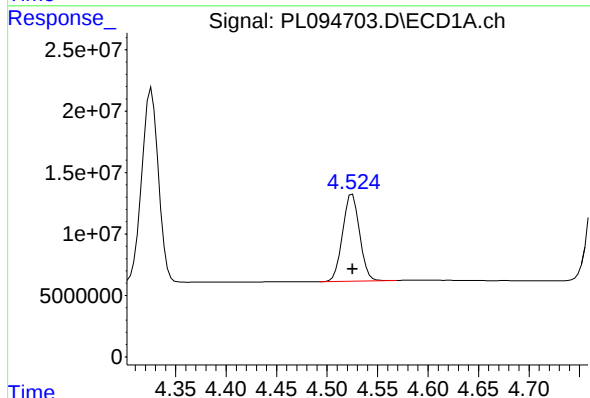
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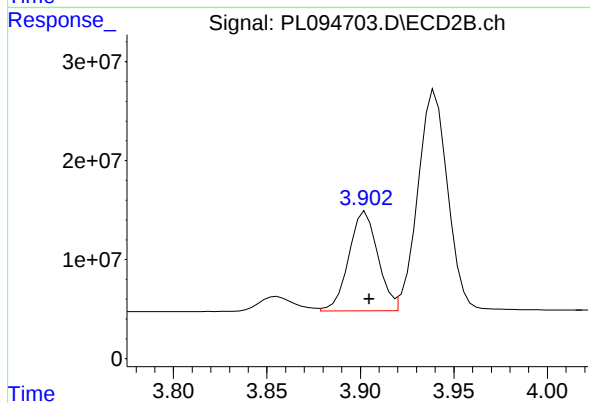
#5 Aldrin

R.T.: 4.219 min  
Delta R.T.: -0.002 min  
Response: 232473677  
Conc: 47.67 ng/ml



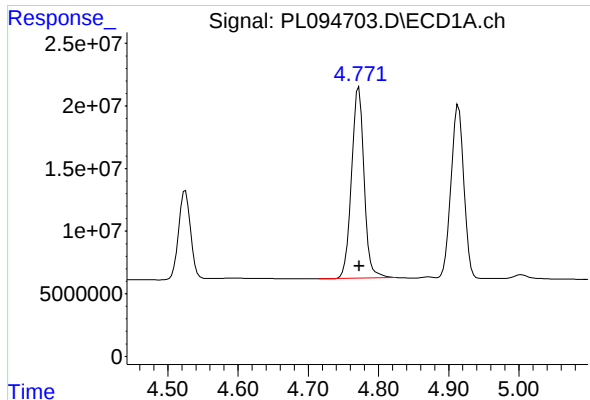
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 83413888  
Conc: 45.21 ng/ml



#6 beta-BHC

R.T.: 3.903 min  
Delta R.T.: -0.002 min  
Response: 109023036  
Conc: 49.08 ng/ml



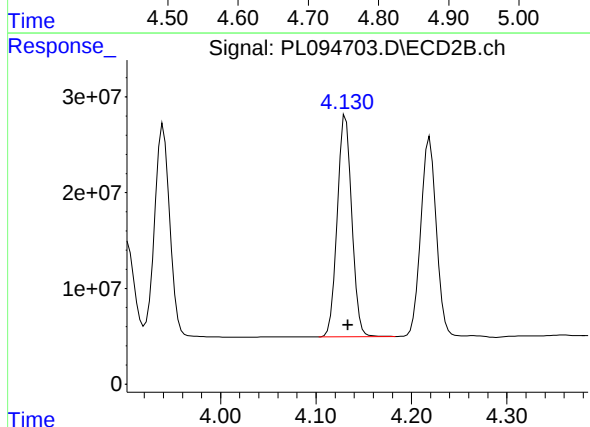
#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 189481347  
Conc: 48.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

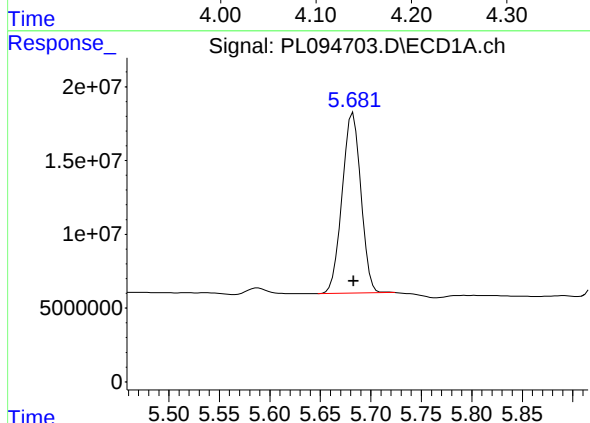
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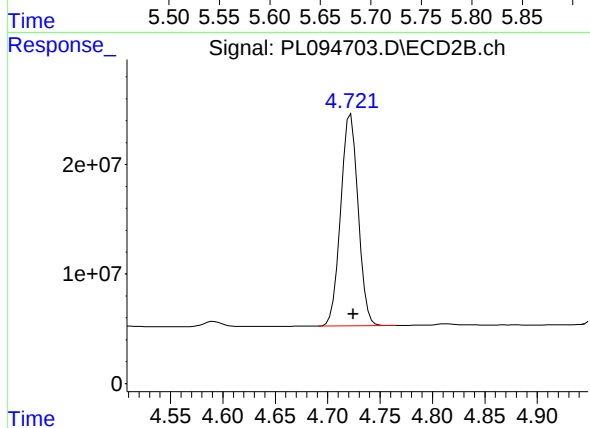
#7 delta-BHC

R.T.: 4.131 min  
Delta R.T.: -0.002 min  
Response: 243266403  
Conc: 48.63 ng/ml



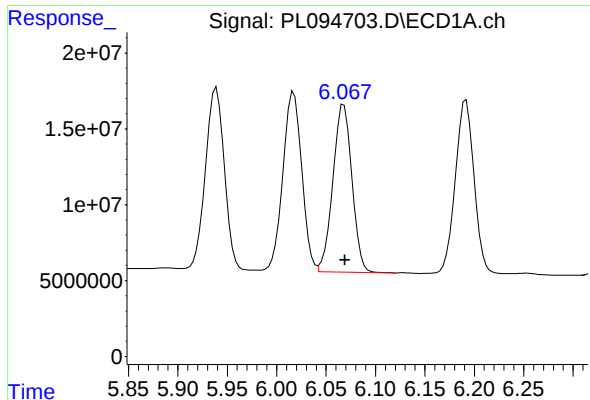
#8 Heptachlor epoxide

R.T.: 5.682 min  
Delta R.T.: 0.000 min  
Response: 158326645  
Conc: 47.33 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min  
Delta R.T.: -0.003 min  
Response: 224078146  
Conc: 48.94 ng/ml



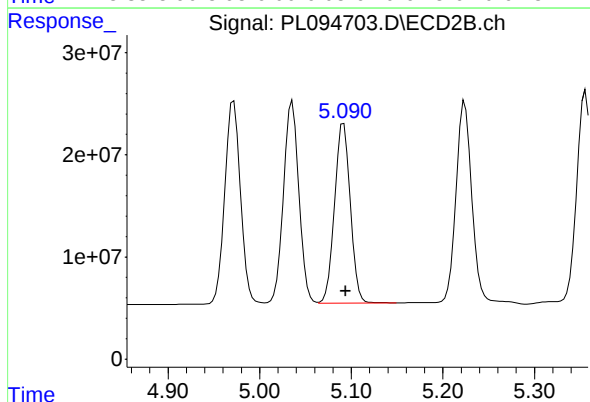
#9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: -0.001 min  
Response: 147188847  
Conc: 47.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

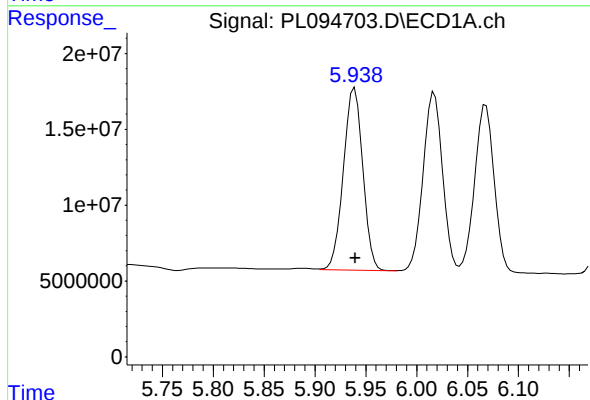
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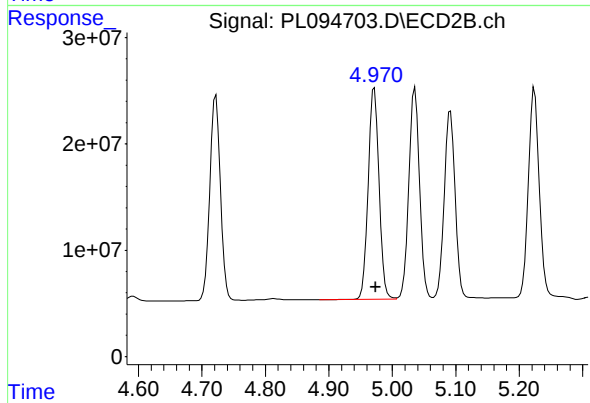
#9 Endosulfan I

R.T.: 5.092 min  
Delta R.T.: -0.002 min  
Response: 210915786  
Conc: 48.06 ng/ml



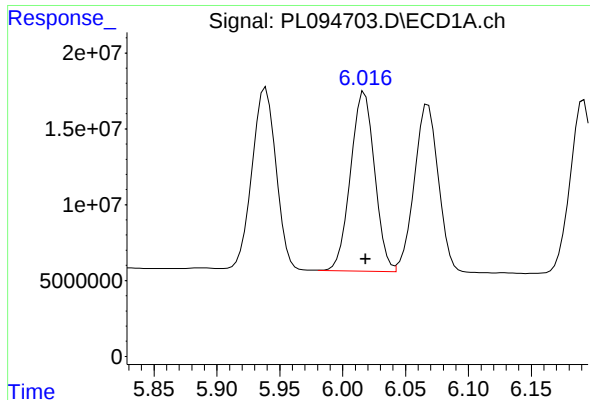
#10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 160011235  
Conc: 47.49 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min  
Delta R.T.: -0.002 min  
Response: 235919440  
Conc: 48.86 ng/ml



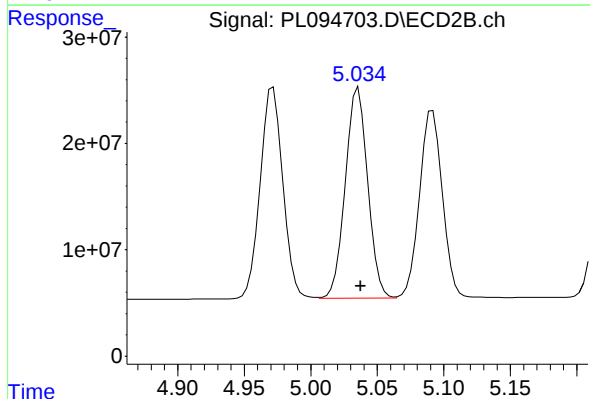
#11 alpha-Chlordane

R.T.: 6.017 min  
Delta R.T.: -0.001 min  
Response: 157301858  
Conc: 47.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

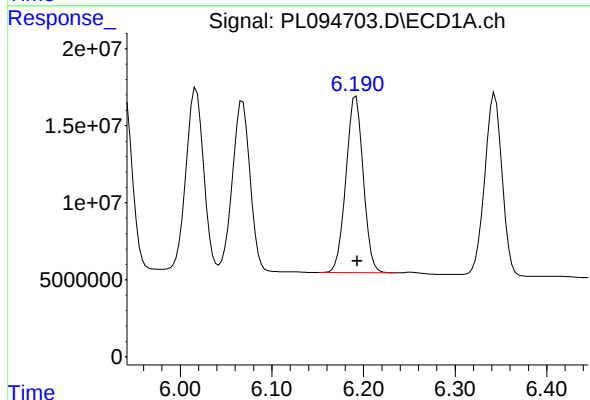
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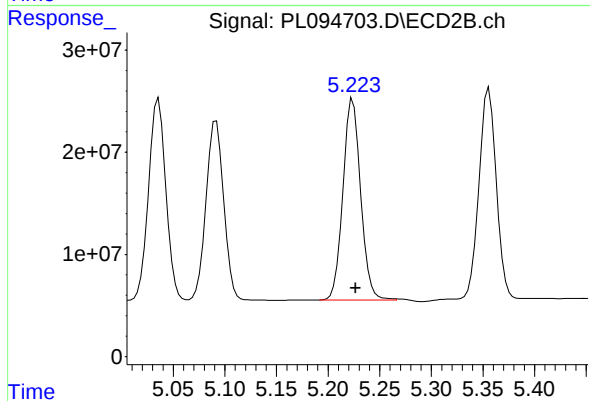
#11 alpha-Chlordane

R.T.: 5.036 min  
Delta R.T.: -0.002 min  
Response: 232652138  
Conc: 48.75 ng/ml



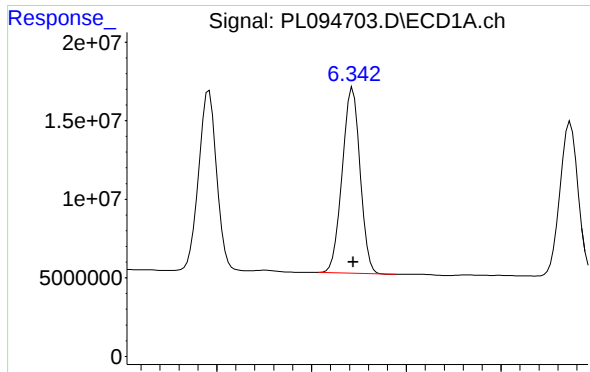
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: -0.001 min  
Response: 151183490  
Conc: 51.39 ng/ml



#12 4,4'-DDE

R.T.: 5.223 min  
Delta R.T.: -0.004 min  
Response: 235667459  
Conc: 50.70 ng/ml m



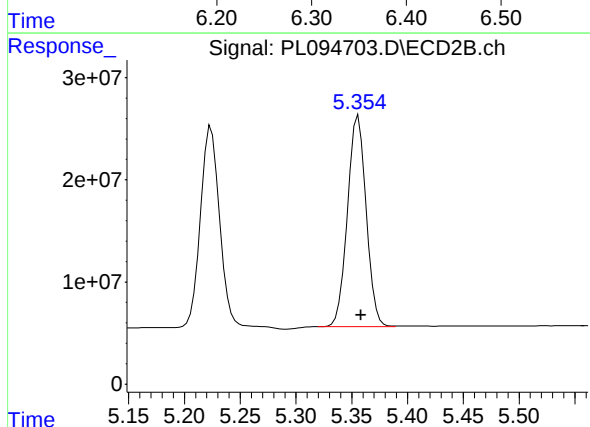
#13 Dieldrin

R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 154424457  
Conc: 48.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

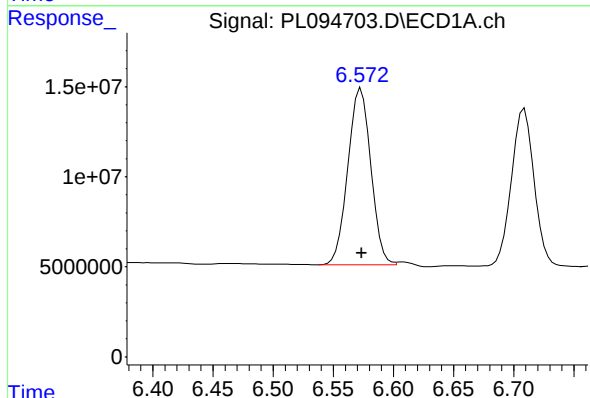
Manual Integrations  
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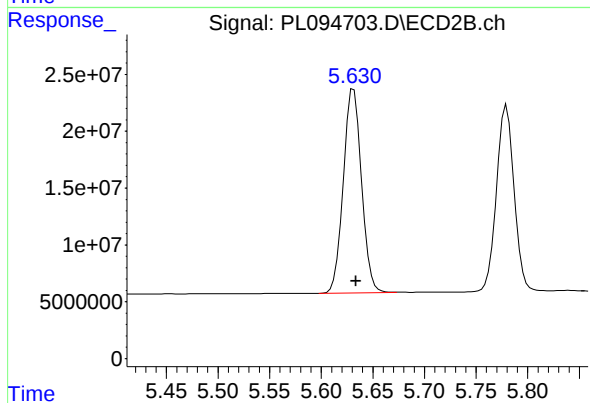
#13 Dieldrin

R.T.: 5.354 min  
Delta R.T.: -0.004 min  
Response: 241458970  
Conc: 49.77 ng/ml



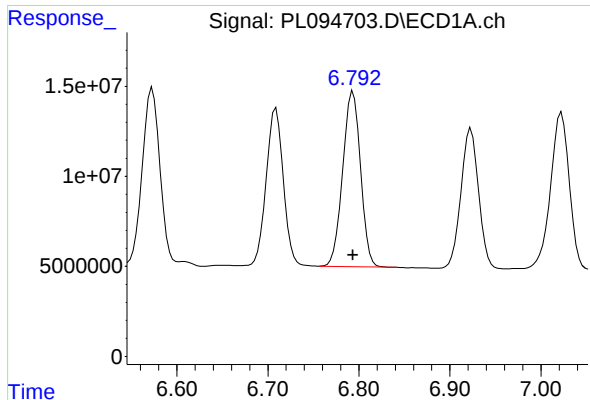
#14 Endrin

R.T.: 6.572 min  
Delta R.T.: -0.002 min  
Response: 131018740  
Conc: 47.26 ng/ml



#14 Endrin

R.T.: 5.630 min  
Delta R.T.: -0.004 min  
Response: 220613700  
Conc: 50.56 ng/ml



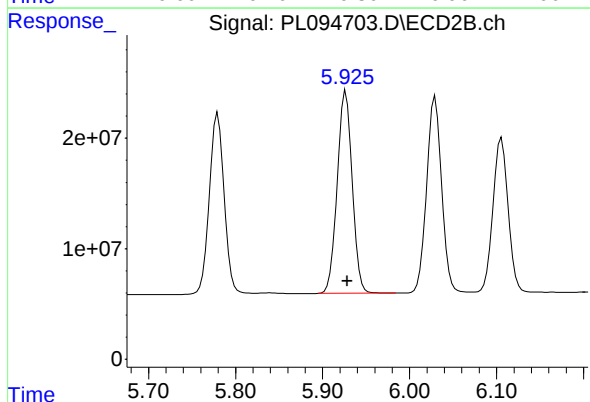
#15 Endosulfan II

R.T.: 6.794 min  
Delta R.T.: 0.000 min  
Response: 133167800  
Conc: 49.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

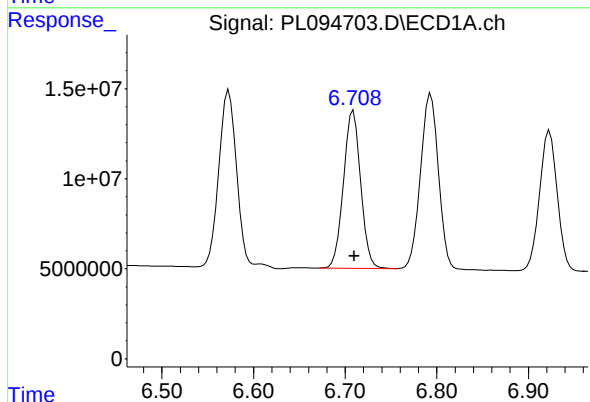
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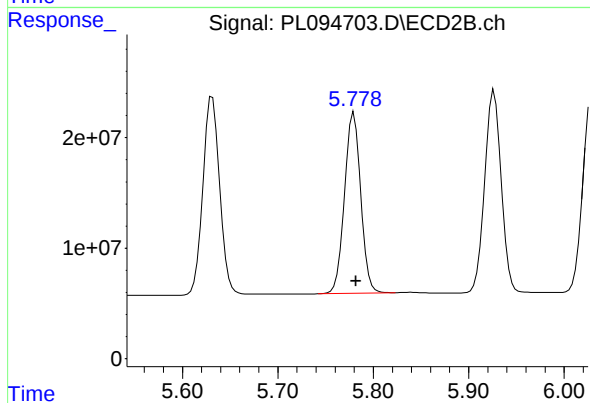
#15 Endosulfan II

R.T.: 5.927 min  
Delta R.T.: -0.002 min  
Response: 219736202  
Conc: 50.77 ng/ml



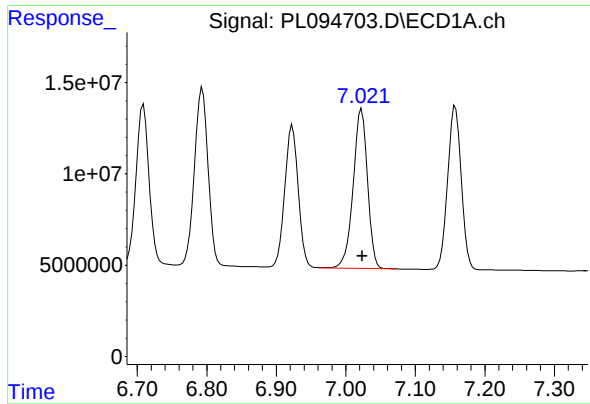
#16 4,4'-DDD

R.T.: 6.709 min  
Delta R.T.: 0.000 min  
Response: 114745514  
Conc: 52.97 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min  
Delta R.T.: -0.002 min  
Response: 194160762  
Conc: 54.00 ng/ml



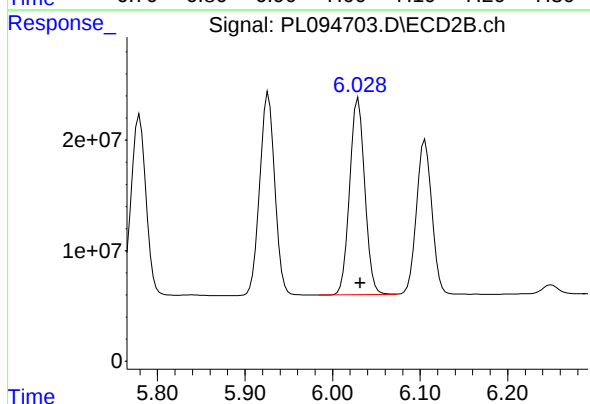
#17 4,4'-DDT

R.T.: 7.023 min  
Delta R.T.: -0.001 min  
Response: 124976253  
Conc: 52.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

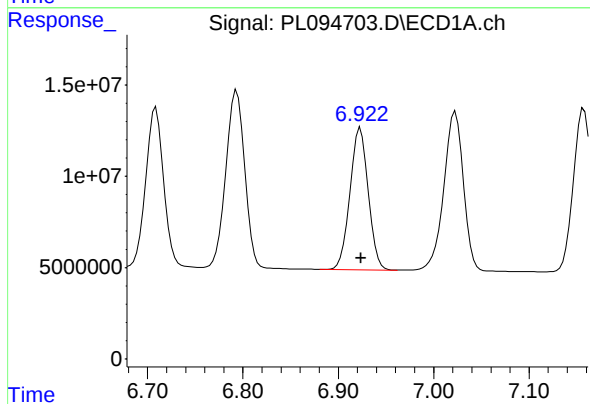
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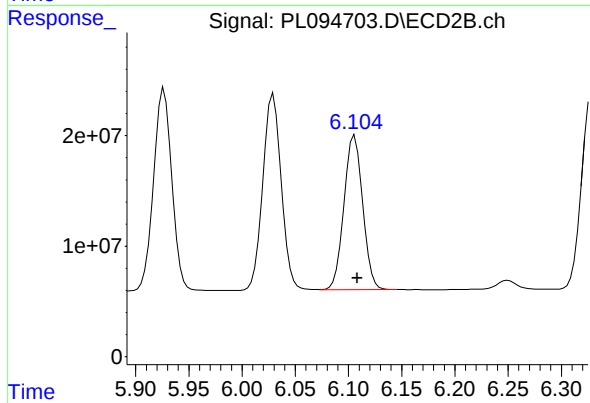
#17 4,4'-DDT

R.T.: 6.029 min  
Delta R.T.: -0.002 min  
Response: 213341612  
Conc: 52.91 ng/ml



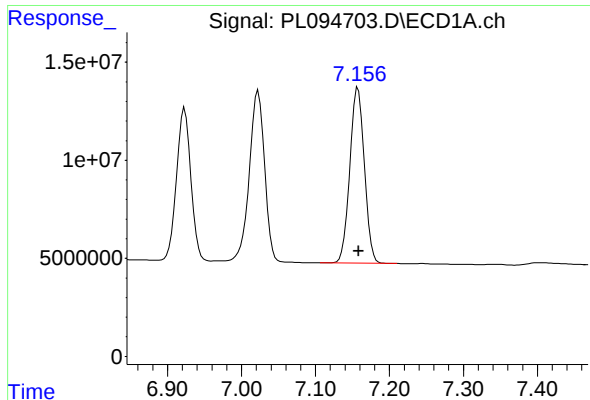
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: 0.000 min  
Response: 104467948  
Conc: 49.49 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min  
Delta R.T.: -0.002 min  
Response: 170203712  
Conc: 50.58 ng/ml



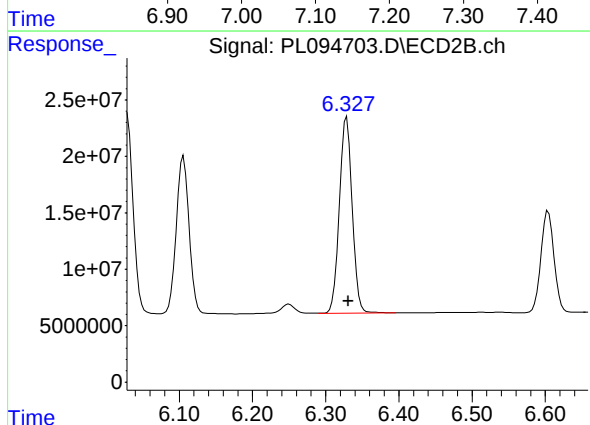
#19 Endosulfan Sulfate

R.T.: 7.157 min  
Delta R.T.: -0.001 min  
Response: 122030581  
Conc: 50.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

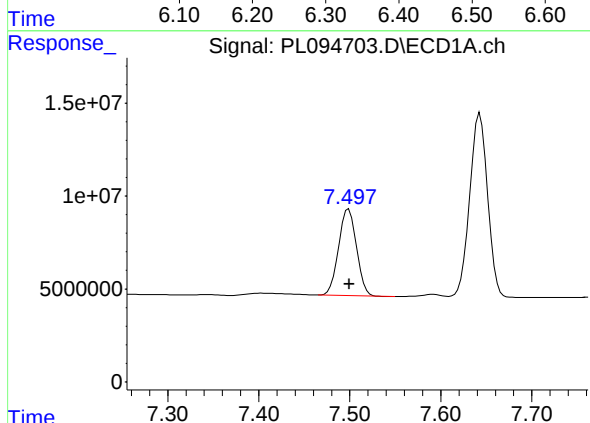
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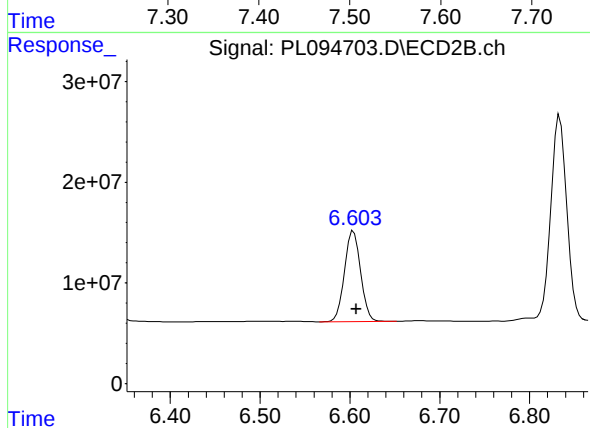
#19 Endosulfan Sulfate

R.T.: 6.329 min  
Delta R.T.: -0.002 min  
Response: 211739491  
Conc: 51.98 ng/ml



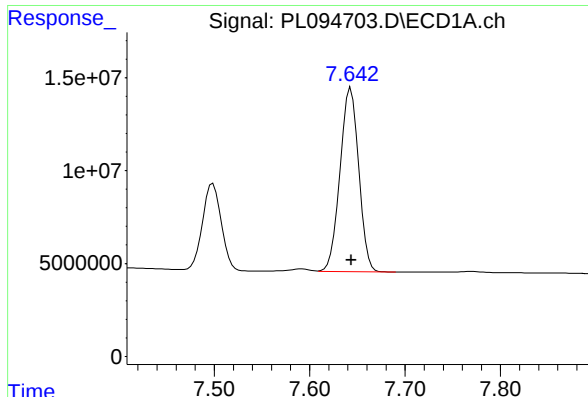
#20 Methoxychlor

R.T.: 7.499 min  
Delta R.T.: -0.001 min  
Response: 63570975  
Conc: 53.11 ng/ml



#20 Methoxychlor

R.T.: 6.604 min  
Delta R.T.: -0.003 min  
Response: 112027847  
Conc: 52.82 ng/ml



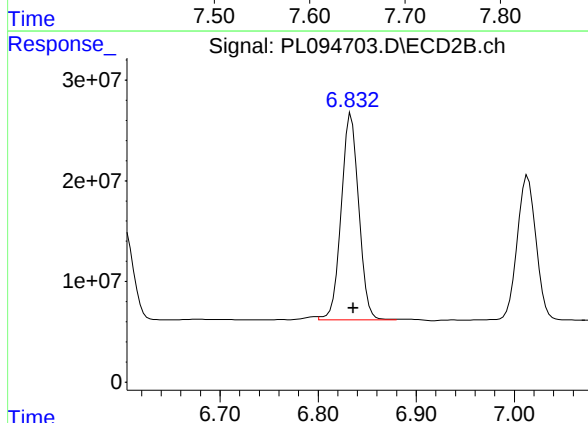
#21 Endrin ketone

R.T.: 7.643 min  
Delta R.T.: 0.000 min  
Response: 135079494  
Conc: 51.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

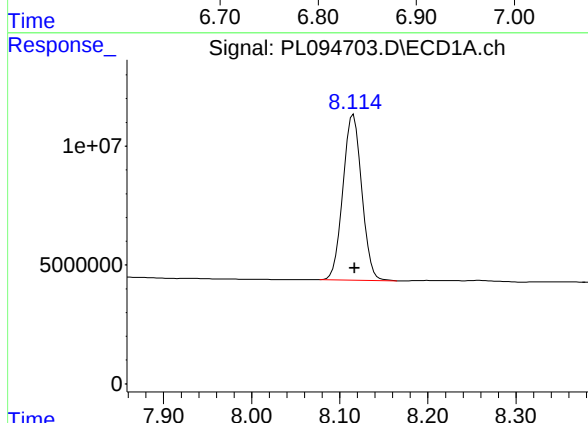
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



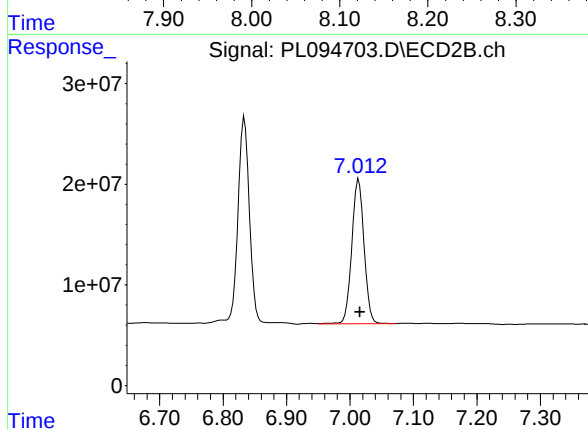
#21 Endrin ketone

R.T.: 6.832 min  
Delta R.T.: -0.004 min  
Response: 254569585  
Conc: 53.34 ng/ml m



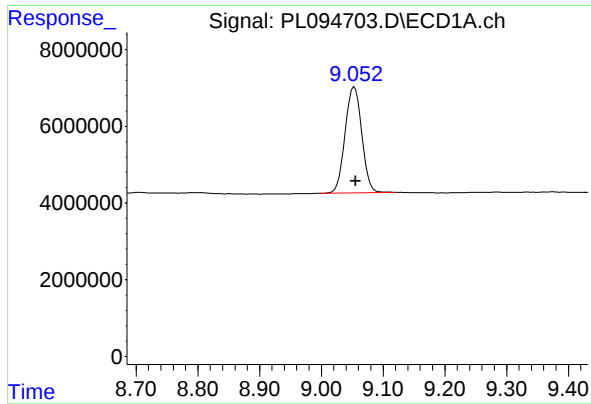
#22 Mirex

R.T.: 8.116 min  
Delta R.T.: -0.001 min  
Response: 103622389  
Conc: 50.15 ng/ml



#22 Mirex

R.T.: 7.014 min  
Delta R.T.: -0.002 min  
Response: 193111879  
Conc: 50.88 ng/ml



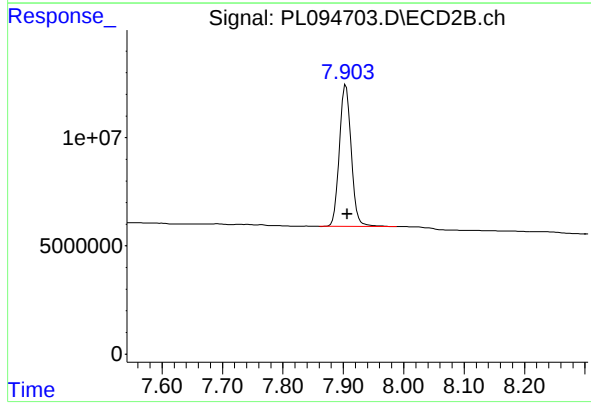
#28 Decachlorobiphenyl

R.T.: 9.053 min  
Delta R.T.: -0.002 min  
Response: 51899153  
Conc: 24.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167125BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/18/2025  
Supervised By :mohammad ahmed 03/19/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min  
Delta R.T.: -0.003 min  
Response: 88874914  
Conc: 22.00 ng/ml