

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031825\  
 Data File : PL094723.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Mar 2025 14:55  
 Operator : AR\AJ  
 Sample : PB167187BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB167187BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 03/19/2025  
 Supervised By : mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 19 01:40:35 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...          | 3.538 | 2.771 | 57289478 | 73816607 | 20.239  | 20.681 |
| 28) SA Decachlor...         | 9.054 | 7.904 | 49875964 | 84151744 | 23.666  | 20.833 |
| Target Compounds            |       |       |          |          |         |        |
| 2) A alpha-BHC              | 3.994 | 3.273 | 191.5E6  | 262.4E6  | 46.130  | 48.676 |
| 3) MA gamma-BHC...          | 4.326 | 3.603 | 186.0E6  | 248.8E6  | 46.611  | 48.411 |
| 4) MA Heptachlor            | 4.915 | 3.941 | 177.9E6  | 249.7E6  | 45.823  | 47.400 |
| 5) MB Aldrin                | 5.256 | 4.220 | 171.3E6  | 236.2E6  | 46.406  | 48.435 |
| 6) B beta-BHC               | 4.526 | 3.903 | 85921992 | 111.5E6  | 46.565  | 50.187 |
| 7) B delta-BHC              | 4.772 | 4.131 | 196.8E6  | 251.1E6  | 50.531  | 50.200 |
| 8) B Heptachlo...           | 5.683 | 4.723 | 157.9E6  | 225.4E6  | 47.206  | 49.233 |
| 9) A Endosulfan I           | 6.069 | 5.092 | 145.8E6  | 217.9E6  | 47.474  | 49.640 |
| 10) B gamma-Chl...          | 5.939 | 4.972 | 159.0E6  | 237.7E6  | 47.203  | 49.236 |
| 11) B alpha-Chl...          | 6.018 | 5.036 | 156.2E6  | 233.8E6  | 47.374  | 48.983 |
| 12) B 4,4'-DDE              | 6.192 | 5.225 | 151.4E6  | 237.4E6  | 51.471  | 51.061 |
| 13) MA Dieldrin             | 6.343 | 5.356 | 152.8E6  | 240.6E6  | 47.791  | 49.597 |
| 14) MA Endrin               | 6.573 | 5.632 | 125.6E6  | 216.3E6  | 45.294m | 49.570 |
| 15) B Endosulfa...          | 6.794 | 5.927 | 130.9E6  | 219.8E6  | 48.220  | 50.775 |
| 16) A 4,4'-DDD              | 6.710 | 5.780 | 115.5E6  | 200.3E6  | 53.334  | 55.690 |
| 17) MA 4,4'-DDT             | 7.024 | 6.030 | 120.7E6  | 207.4E6  | 50.735  | 51.441 |
| 18) B Endrin al...          | 6.924 | 6.106 | 102.4E6  | 169.1E6  | 48.505  | 50.250 |
| 19) B Endosulfa...          | 7.158 | 6.329 | 118.7E6  | 210.7E6  | 48.789  | 51.736 |
| 20) A Methoxychlor          | 7.500 | 6.605 | 61389393 | 107.0E6  | 51.283  | 50.447 |
| 21) B Endrin ke...          | 7.643 | 6.834 | 134.8E6  | 243.9E6  | 51.004  | 51.112 |
| 22) Mirex                   | 8.116 | 7.013 | 99548090 | 185.6E6  | 48.177  | 48.902 |
| -----                       |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031825\  
Data File : PL094723.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 18 Mar 2025 14:55  
Operator : AR\AJ  
Sample : PB167187BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB167187BS

## Manual Integrations

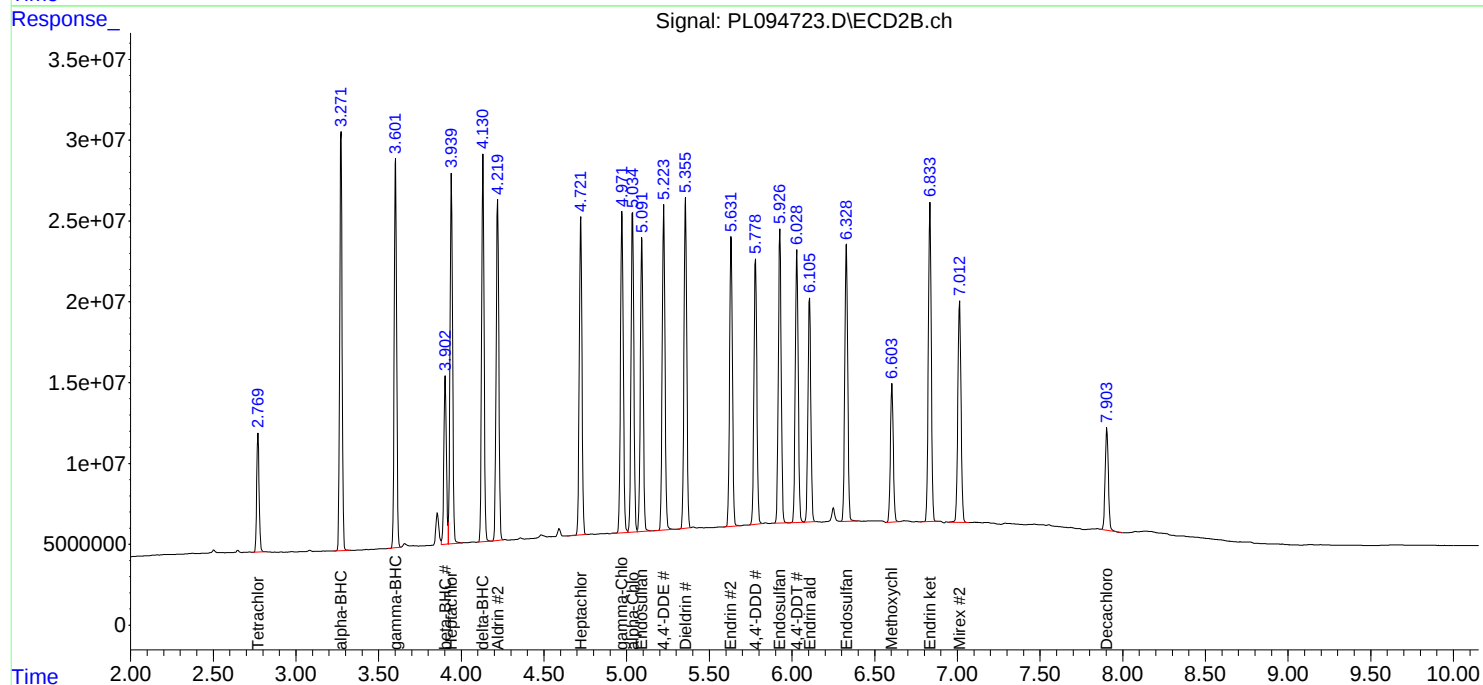
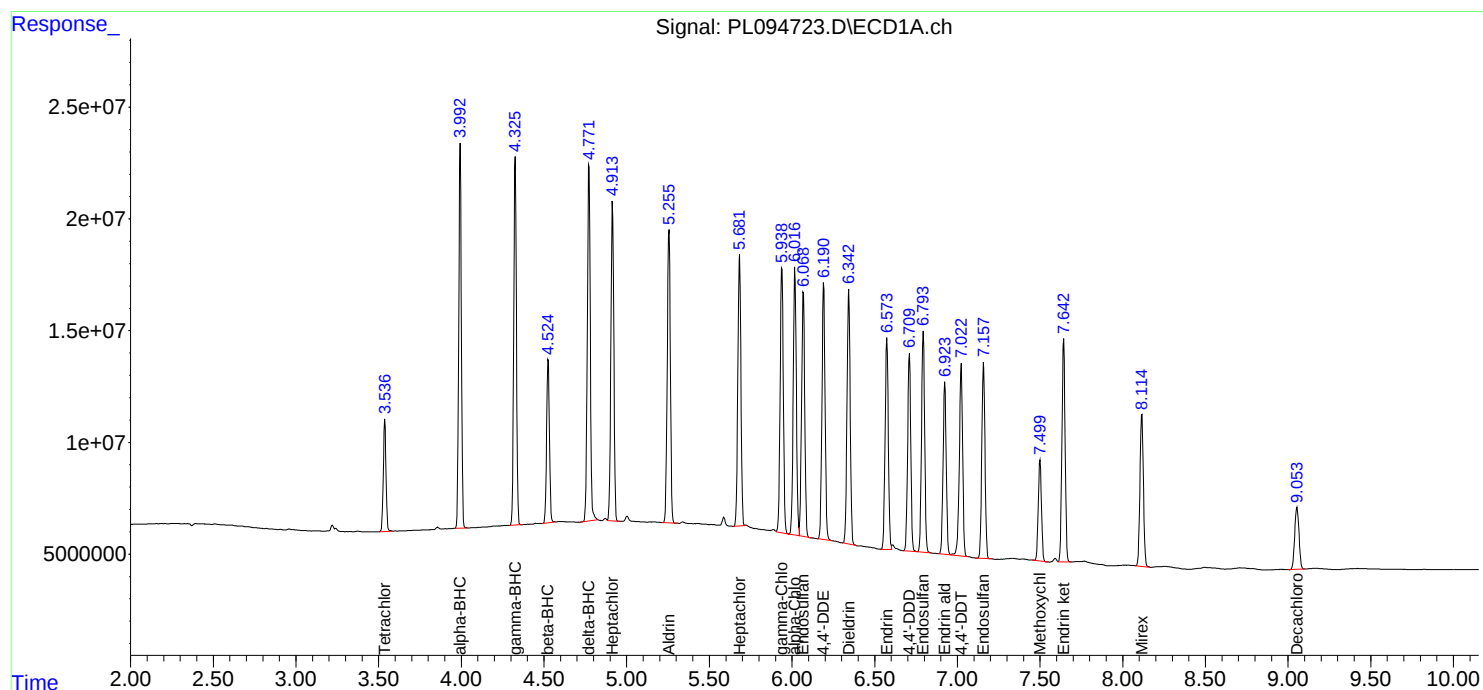
## APPROVED

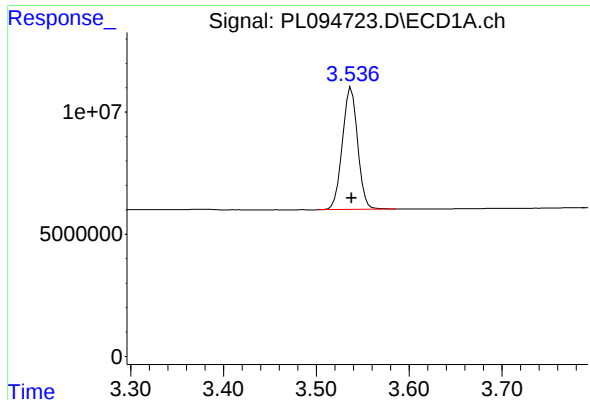
Reviewed By :Abdul Mirza 03/19/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 19 01:40:35 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





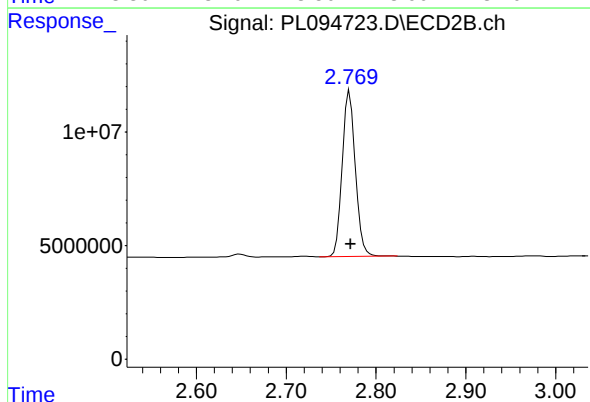
#1 Tetrachloro-m-xylene

R.T.: 3.538 min  
Delta R.T.: 0.000 min  
Response: 57289478  
Conc: 20.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

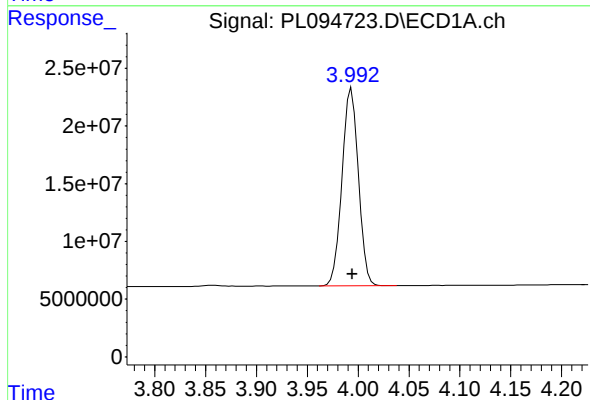
Manual Integrations  
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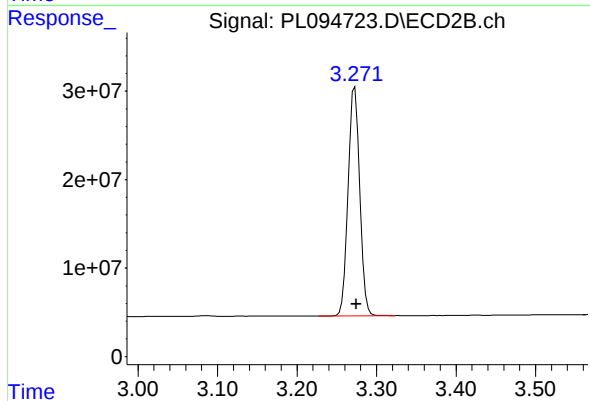
#1 Tetrachloro-m-xylene

R.T.: 2.771 min  
Delta R.T.: -0.001 min  
Response: 73816607  
Conc: 20.68 ng/ml



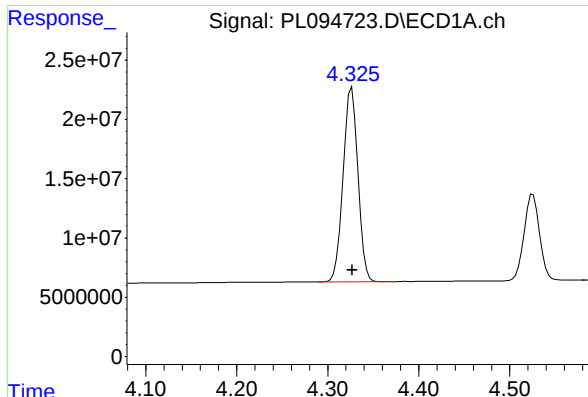
#2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 191548821  
Conc: 46.13 ng/ml



#2 alpha-BHC

R.T.: 3.273 min  
Delta R.T.: -0.002 min  
Response: 262428654  
Conc: 48.68 ng/ml



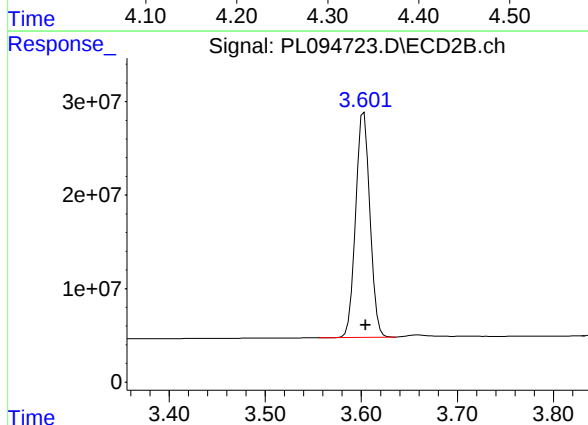
#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 185992462  
Conc: 46.61 ng/ml

Instrument :  
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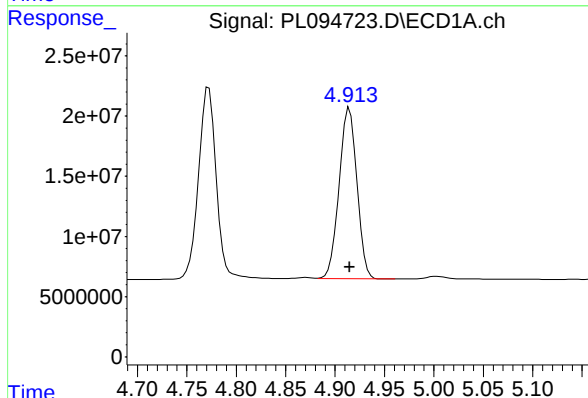
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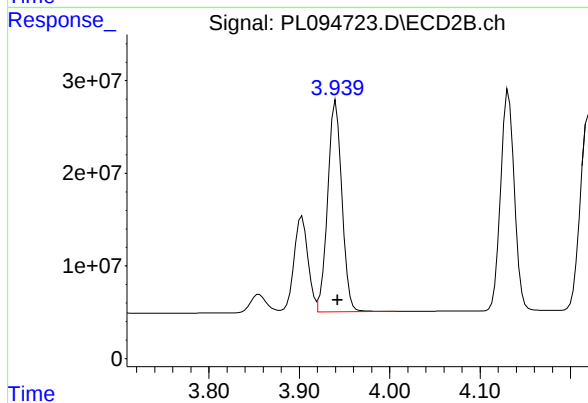
#3 gamma-BHC (Lindane)

R.T.: 3.603 min  
Delta R.T.: -0.002 min  
Response: 248804534  
Conc: 48.41 ng/ml



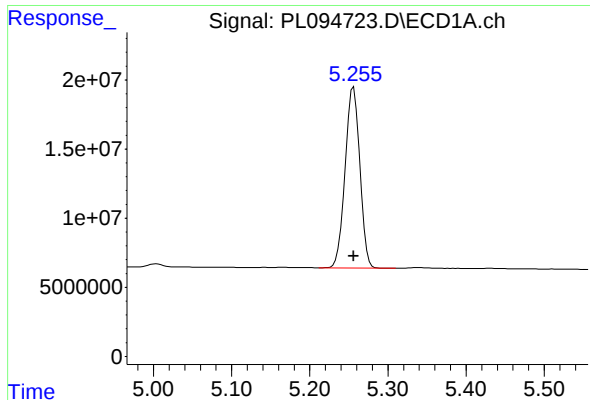
#4 Heptachlor

R.T.: 4.915 min  
Delta R.T.: 0.000 min  
Response: 177867563  
Conc: 45.82 ng/ml



#4 Heptachlor

R.T.: 3.941 min  
Delta R.T.: -0.002 min  
Response: 249734534  
Conc: 47.40 ng/ml



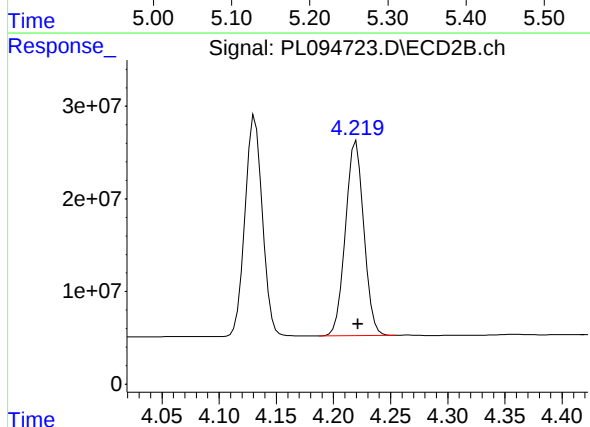
#5 Aldrin

R.T.: 5.256 min  
Delta R.T.: 0.000 min  
Response: 171341355  
Conc: 46.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

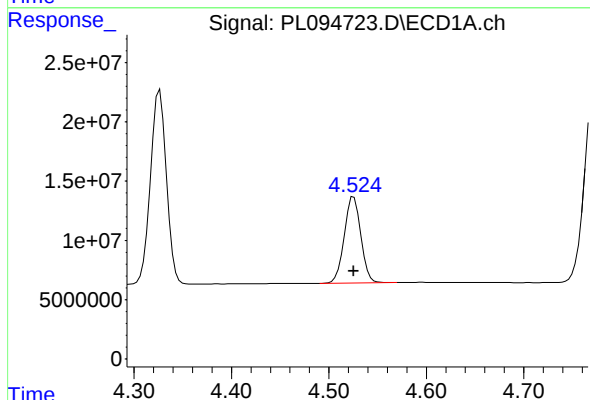
Manual Integrations  
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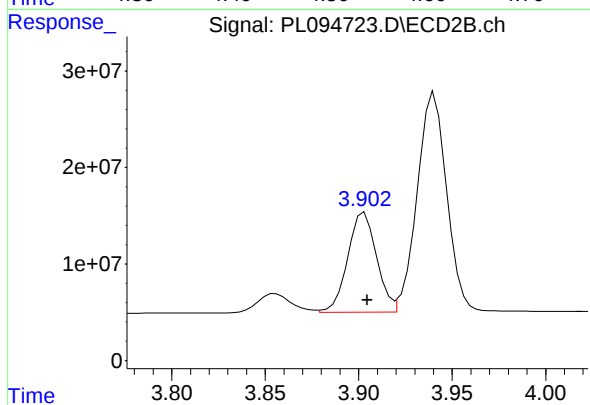
#5 Aldrin

R.T.: 4.220 min  
Delta R.T.: -0.002 min  
Response: 236187284  
Conc: 48.44 ng/ml



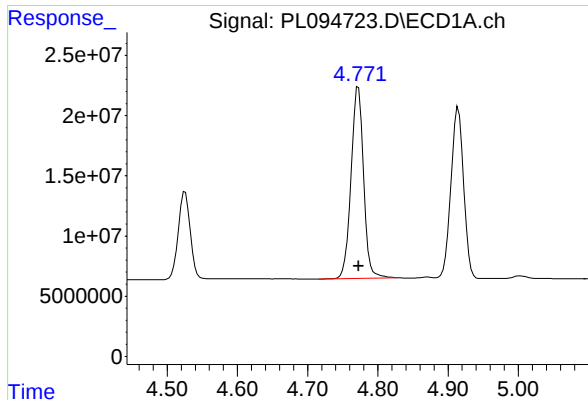
#6 beta-BHC

R.T.: 4.526 min  
Delta R.T.: 0.000 min  
Response: 85921992  
Conc: 46.56 ng/ml



#6 beta-BHC

R.T.: 3.903 min  
Delta R.T.: -0.002 min  
Response: 111479119  
Conc: 50.19 ng/ml



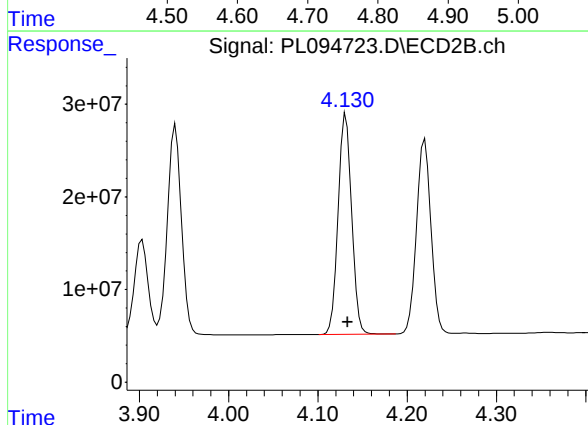
#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.000 min  
Response: 196783188  
Conc: 50.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

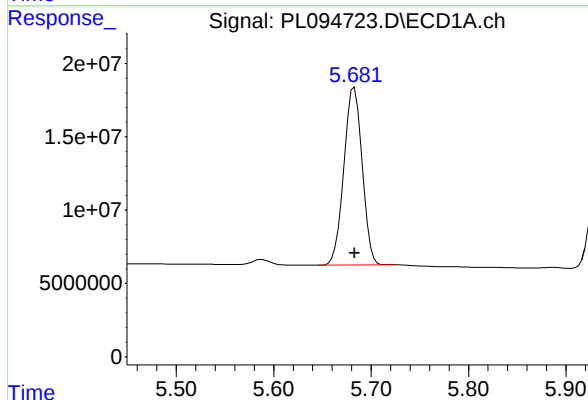
Manual Integrations  
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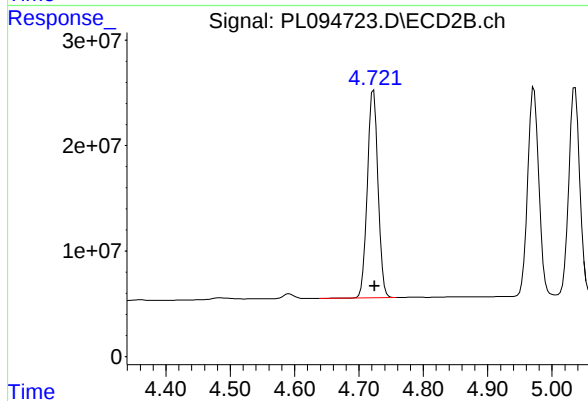
#7 delta-BHC

R.T.: 4.131 min  
Delta R.T.: -0.002 min  
Response: 251100268  
Conc: 50.20 ng/ml



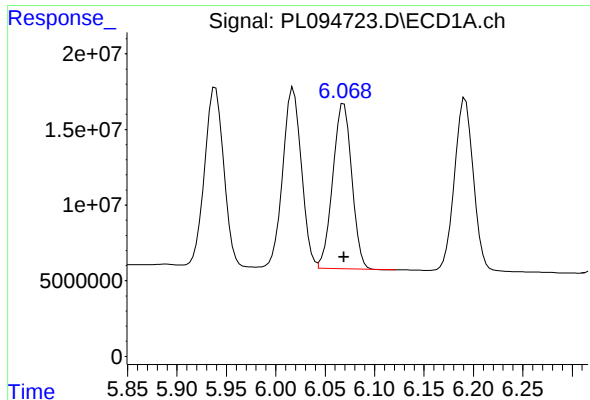
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 157914131  
Conc: 47.21 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min  
Delta R.T.: -0.002 min  
Response: 225416812  
Conc: 49.23 ng/ml



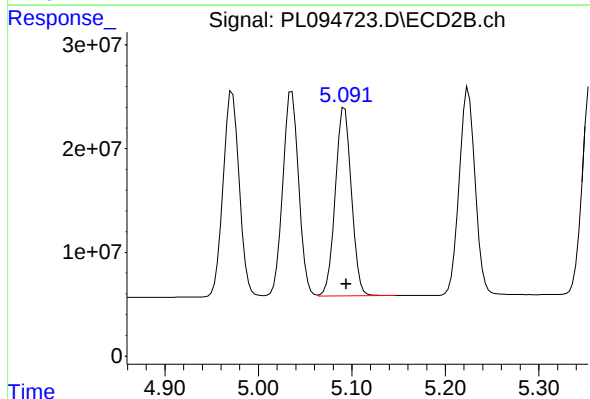
#9 Endosulfan I

R.T.: 6.069 min  
Delta R.T.: 0.000 min  
Response: 145754428  
Conc: 47.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

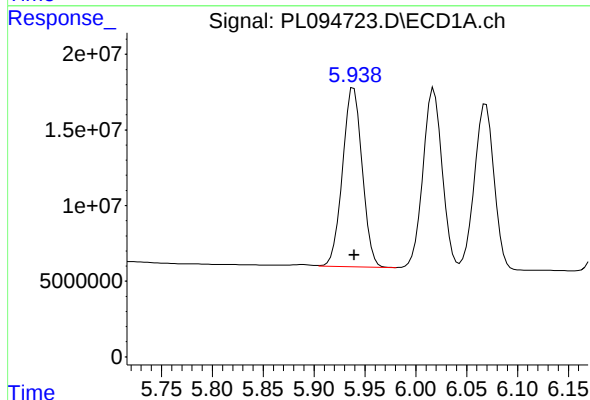
Manual Integrations  
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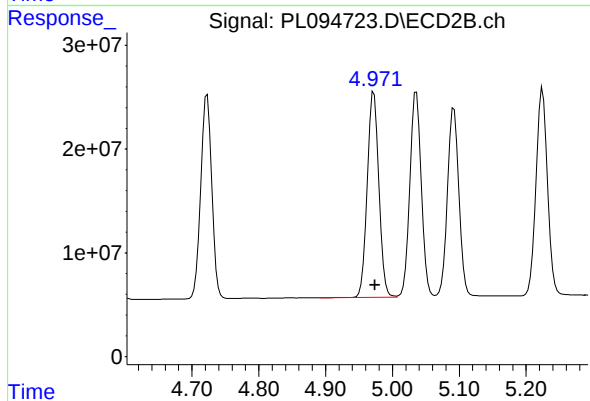
#9 Endosulfan I

R.T.: 5.092 min  
Delta R.T.: -0.002 min  
Response: 217857885  
Conc: 49.64 ng/ml



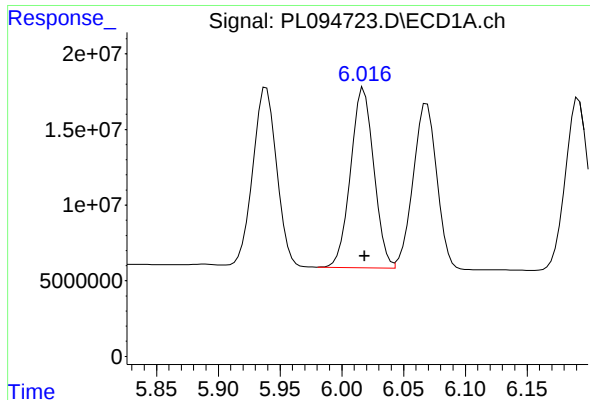
#10 gamma-Chlordane

R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 159044128  
Conc: 47.20 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min  
Delta R.T.: -0.002 min  
Response: 237729855  
Conc: 49.24 ng/ml



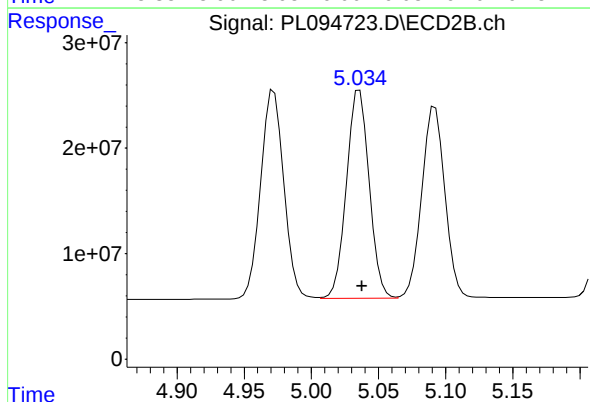
#11 alpha-Chlordane

R.T.: 6.018 min  
Delta R.T.: 0.000 min  
Response: 156184493  
Conc: 47.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

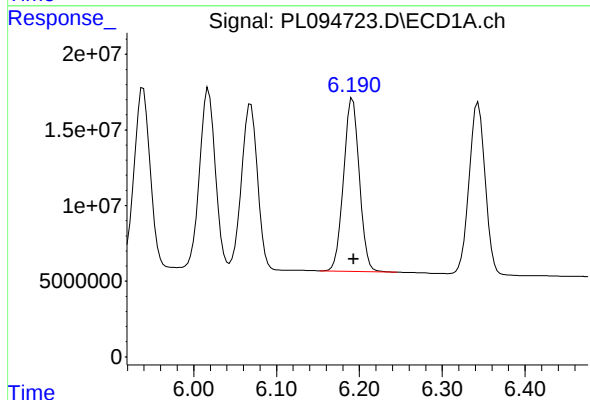
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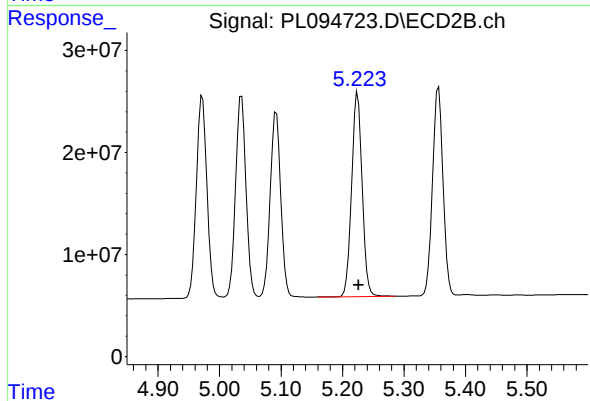
#11 alpha-Chlordane

R.T.: 5.036 min  
Delta R.T.: -0.002 min  
Response: 233785855  
Conc: 48.98 ng/ml



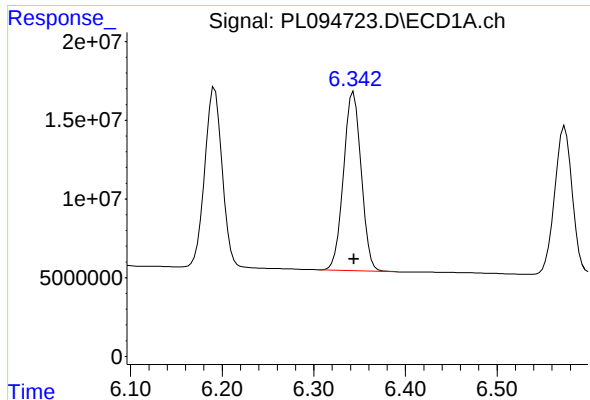
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: -0.001 min  
Response: 151429723  
Conc: 51.47 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min  
Delta R.T.: -0.002 min  
Response: 237358264  
Conc: 51.06 ng/ml



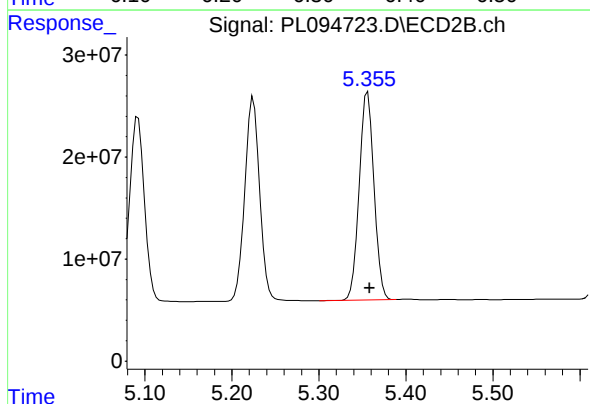
#13 Dieldrin

R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 152843465  
Conc: 47.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

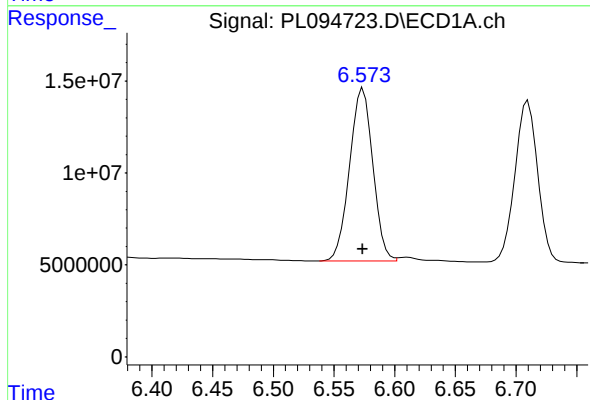
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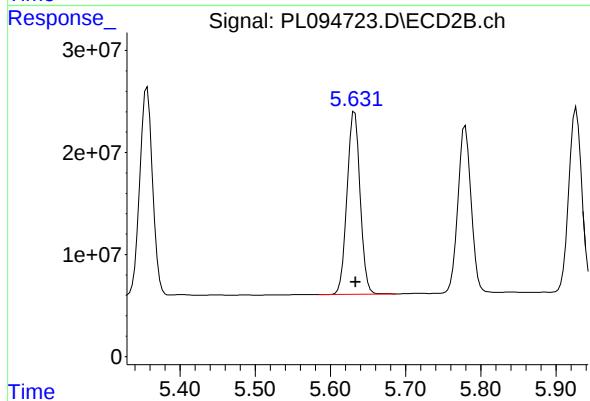
#13 Dieldrin

R.T.: 5.356 min  
Delta R.T.: -0.002 min  
Response: 240633501  
Conc: 49.60 ng/ml



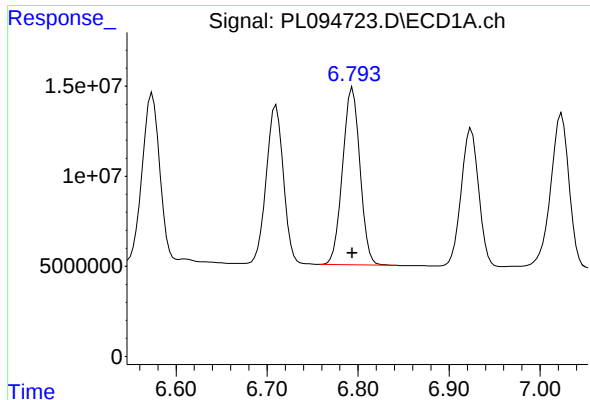
#14 Endrin

R.T.: 6.573 min  
Delta R.T.: -0.001 min  
Response: 125559178  
Conc: 45.29 ng/ml m



#14 Endrin

R.T.: 5.632 min  
Delta R.T.: -0.001 min  
Response: 216305514  
Conc: 49.57 ng/ml



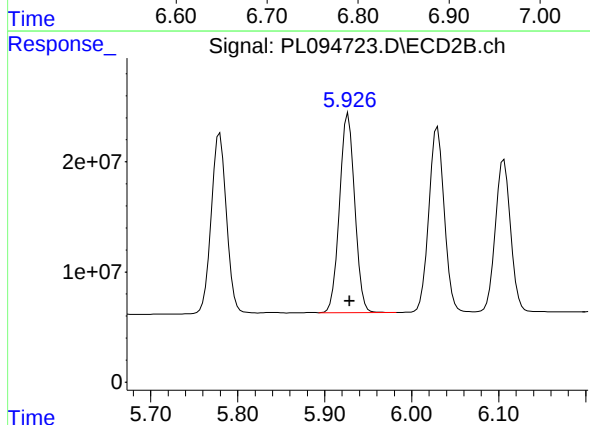
#15 Endosulfan II

R.T.: 6.794 min  
Delta R.T.: 0.000 min  
Response: 130903552  
Conc: 48.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

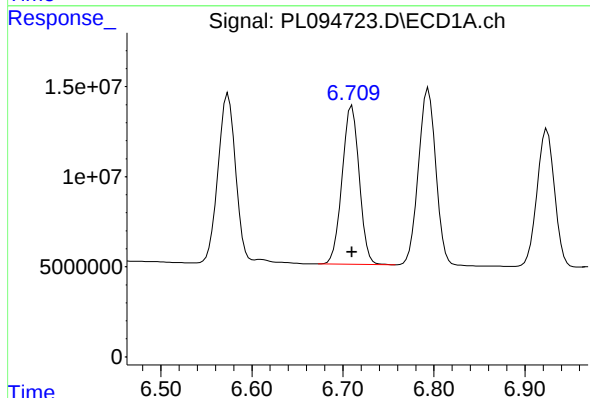
Manual Integrations  
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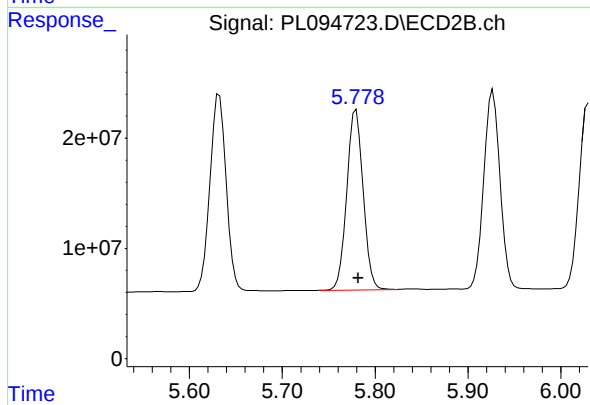
#15 Endosulfan II

R.T.: 5.927 min  
Delta R.T.: -0.002 min  
Response: 219769519  
Conc: 50.78 ng/ml



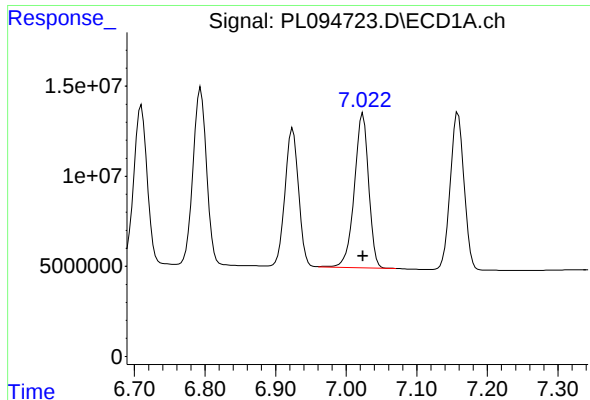
#16 4,4'-DDD

R.T.: 6.710 min  
Delta R.T.: 0.000 min  
Response: 115524863  
Conc: 53.33 ng/ml



#16 4,4'-DDD

R.T.: 5.780 min  
Delta R.T.: -0.002 min  
Response: 200254471  
Conc: 55.69 ng/ml



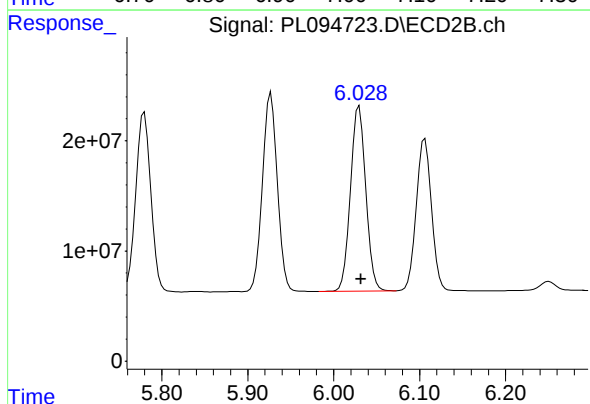
#17 4,4'-DDT

R.T.: 7.024 min  
Delta R.T.: 0.000 min  
Response: 120675799  
Conc: 50.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

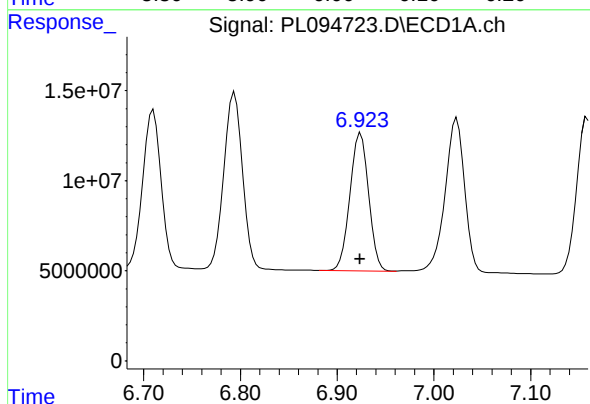
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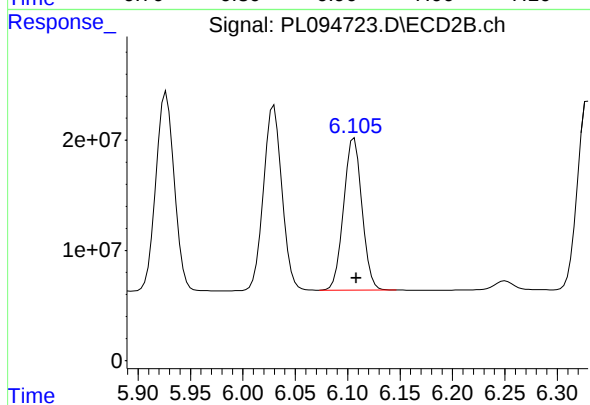
#17 4,4'-DDT

R.T.: 6.030 min  
Delta R.T.: -0.002 min  
Response: 207416734  
Conc: 51.44 ng/ml



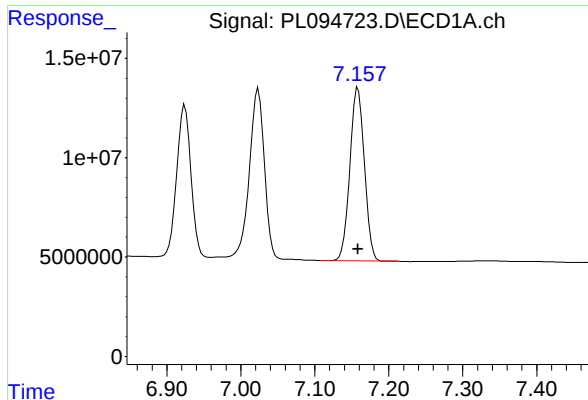
#18 Endrin aldehyde

R.T.: 6.924 min  
Delta R.T.: 0.000 min  
Response: 102394517  
Conc: 48.51 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min  
Delta R.T.: -0.002 min  
Response: 169109820  
Conc: 50.25 ng/ml



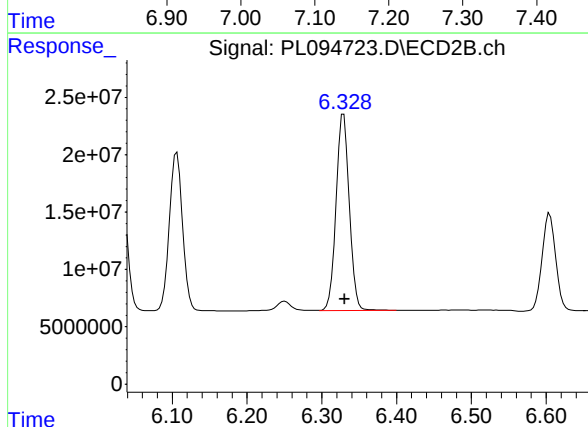
#19 Endosulfan Sulfate

R.T.: 7.158 min  
Delta R.T.: 0.000 min  
Response: 118655697  
Conc: 48.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

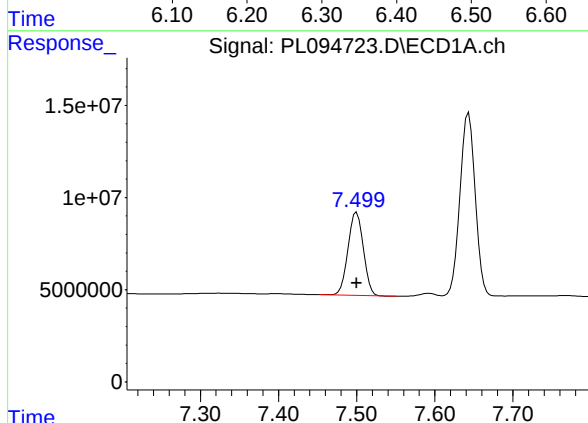
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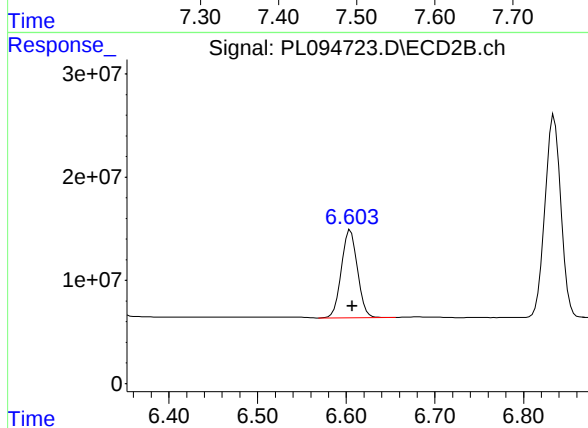
#19 Endosulfan Sulfate

R.T.: 6.329 min  
Delta R.T.: -0.002 min  
Response: 210744524  
Conc: 51.74 ng/ml



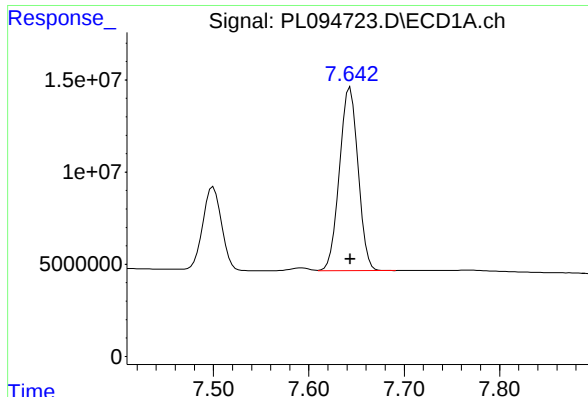
#20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: 0.000 min  
Response: 61389393  
Conc: 51.28 ng/ml



#20 Methoxychlor

R.T.: 6.605 min  
Delta R.T.: -0.002 min  
Response: 107001119  
Conc: 50.45 ng/ml



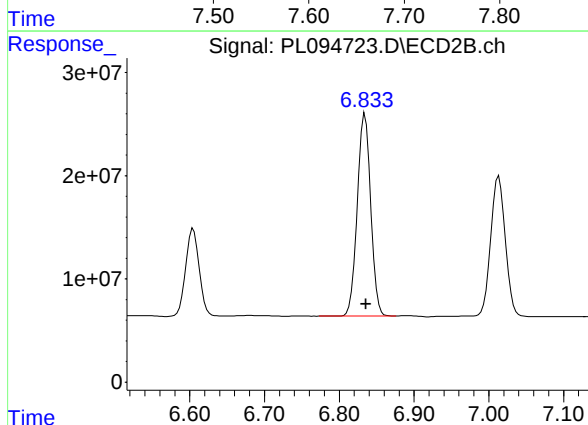
#21 Endrin ketone

R.T.: 7.643 min  
Delta R.T.: 0.000 min  
Response: 134817233  
Conc: 51.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

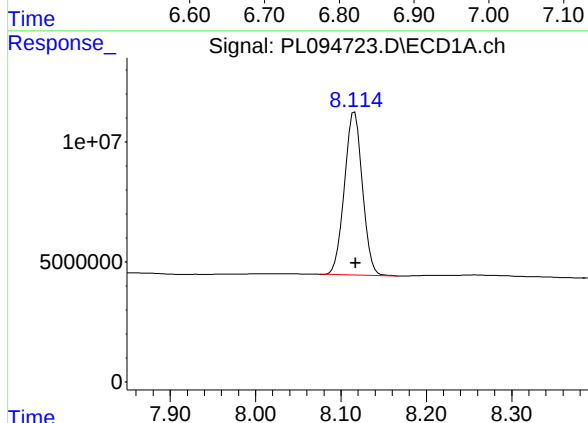
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



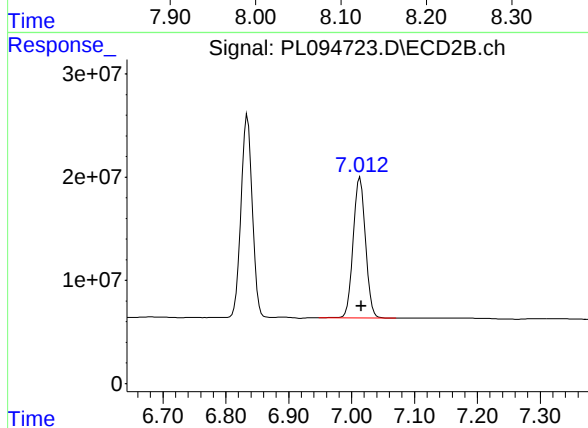
#21 Endrin ketone

R.T.: 6.834 min  
Delta R.T.: -0.001 min  
Response: 243937806  
Conc: 51.11 ng/ml



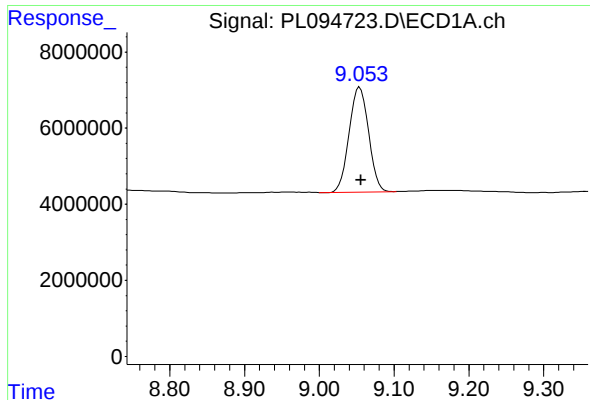
#22 Mirex

R.T.: 8.116 min  
Delta R.T.: -0.001 min  
Response: 99548090  
Conc: 48.18 ng/ml



#22 Mirex

R.T.: 7.013 min  
Delta R.T.: -0.002 min  
Response: 185597238  
Conc: 48.90 ng/ml



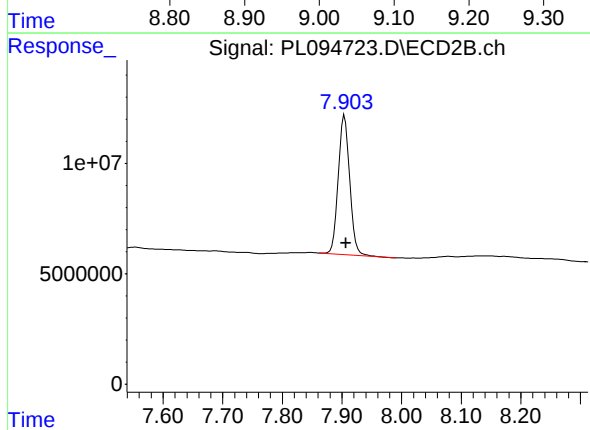
#28 Decachlorobiphenyl

R.T.: 9.054 min  
Delta R.T.: -0.002 min  
Response: 49875964  
Conc: 23.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167187BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/19/2025  
Supervised By :mohammad ahmed 03/24/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min  
Delta R.T.: -0.002 min  
Response: 84151744  
Conc: 20.83 ng/ml