

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL033125\  
 Data File : PL094979.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Mar 2025 22:16  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 04/01/2025  
 Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 01 02:16:34 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... | 3.536 | 2.769 | 140.6E6  | 191.2E6 | 49.666  | 53.574  |
| 28)                         | SA Decachlor... | 9.053 | 7.902 | 113.6E6  | 218.5E6 | 53.908  | 54.081  |
| Target Compounds            |                 |       |       |          |         |         |         |
| 2)                          | A alpha-BHC     | 3.992 | 3.271 | 207.1E6  | 292.9E6 | 49.867  | 54.327  |
| 3)                          | MA gamma-BHC... | 4.323 | 3.601 | 199.5E6  | 276.6E6 | 49.994m | 53.825  |
| 4)                          | MA Heptachlor   | 4.912 | 3.938 | 187.4E6  | 273.6E6 | 48.267  | 51.932  |
| 5)                          | MB Aldrin       | 5.254 | 4.217 | 181.0E6  | 259.7E6 | 49.020  | 53.263  |
| 6)                          | B beta-BHC      | 4.524 | 3.901 | 91094520 | 120.0E6 | 49.368  | 54.034  |
| 7)                          | B delta-BHC     | 4.770 | 4.130 | 199.7E6  | 276.5E6 | 51.268  | 55.268  |
| 8)                          | B Heptachlo...  | 5.681 | 4.718 | 166.7E6  | 242.4E6 | 49.826  | 52.944m |
| 9)                          | A Endosulfan I  | 6.067 | 5.090 | 156.6E6  | 225.2E6 | 51.003  | 51.307  |
| 10)                         | B gamma-Chl...  | 5.937 | 4.970 | 169.9E6  | 256.8E6 | 50.423  | 53.186  |
| 11)                         | B alpha-Chl...  | 6.016 | 5.034 | 167.7E6  | 252.2E6 | 50.868  | 52.846  |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.221 | 166.0E6  | 256.2E6 | 56.418  | 55.116m |
| 13)                         | MA Dieldrin     | 6.342 | 5.352 | 166.8E6  | 258.3E6 | 52.166  | 53.228m |
| 14)                         | MA Endrin       | 6.571 | 5.628 | 134.4E6  | 227.4E6 | 48.476m | 52.117m |
| 15)                         | B Endosulfa...  | 6.793 | 5.924 | 141.4E6  | 231.8E6 | 52.077  | 53.547  |
| 16)                         | A 4,4'-DDD      | 6.708 | 5.778 | 129.7E6  | 212.7E6 | 59.871  | 59.149  |
| 17)                         | MA 4,4'-DDT     | 7.022 | 6.027 | 126.9E6  | 220.9E6 | 53.346  | 54.777  |
| 18)                         | B Endrin al...  | 6.923 | 6.104 | 107.5E6  | 175.0E6 | 50.903  | 51.999  |
| 19)                         | B Endosulfa...  | 7.157 | 6.326 | 126.2E6  | 220.2E6 | 51.903  | 54.049  |
| 20)                         | A Methoxychlor  | 7.498 | 6.603 | 65607791 | 117.6E6 | 54.807  | 55.439  |
| 21)                         | B Endrin ke...  | 7.642 | 6.830 | 143.0E6  | 269.1E6 | 54.107  | 56.391m |
| 22)                         | Mirex           | 8.115 | 7.009 | 103.0E6  | 198.4E6 | 49.828  | 52.277m |
| -----                       |                 |       |       |          |         |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL033125\  
Data File : PL094979.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Mar 2025 22:16  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

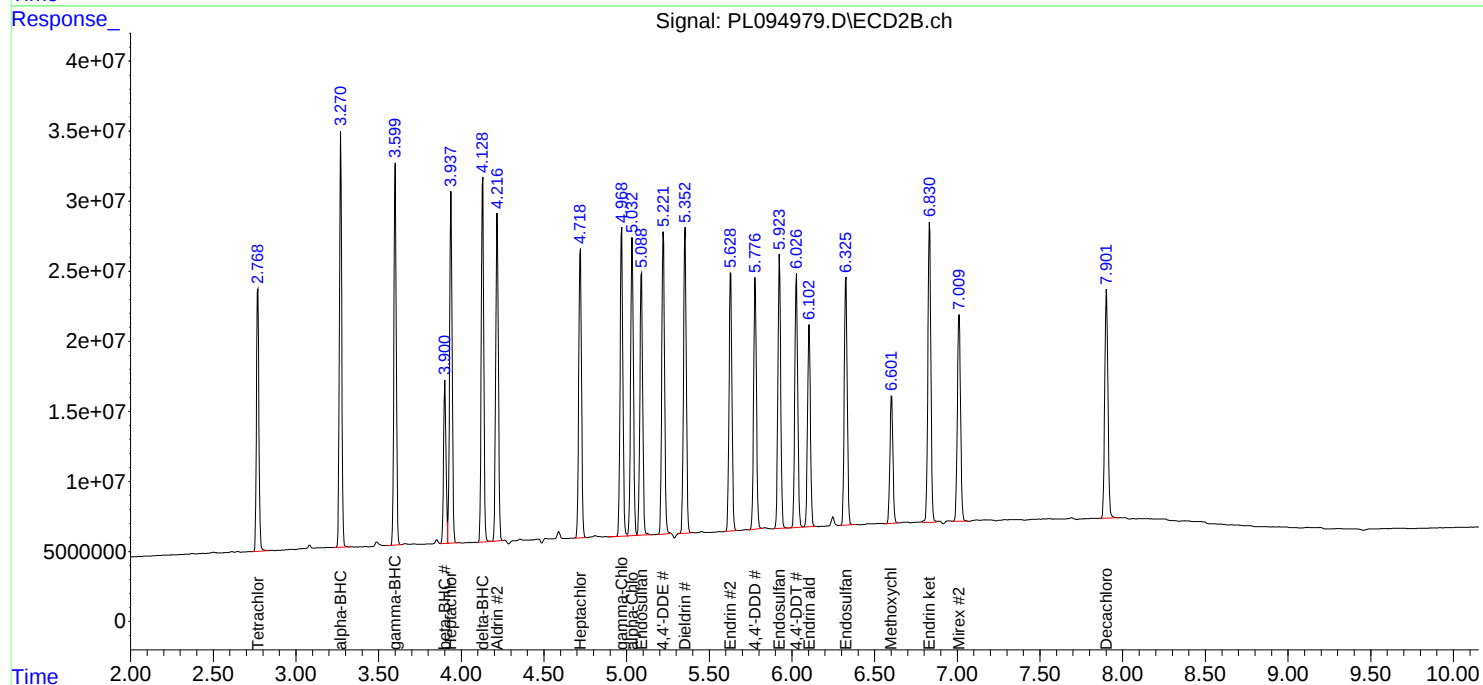
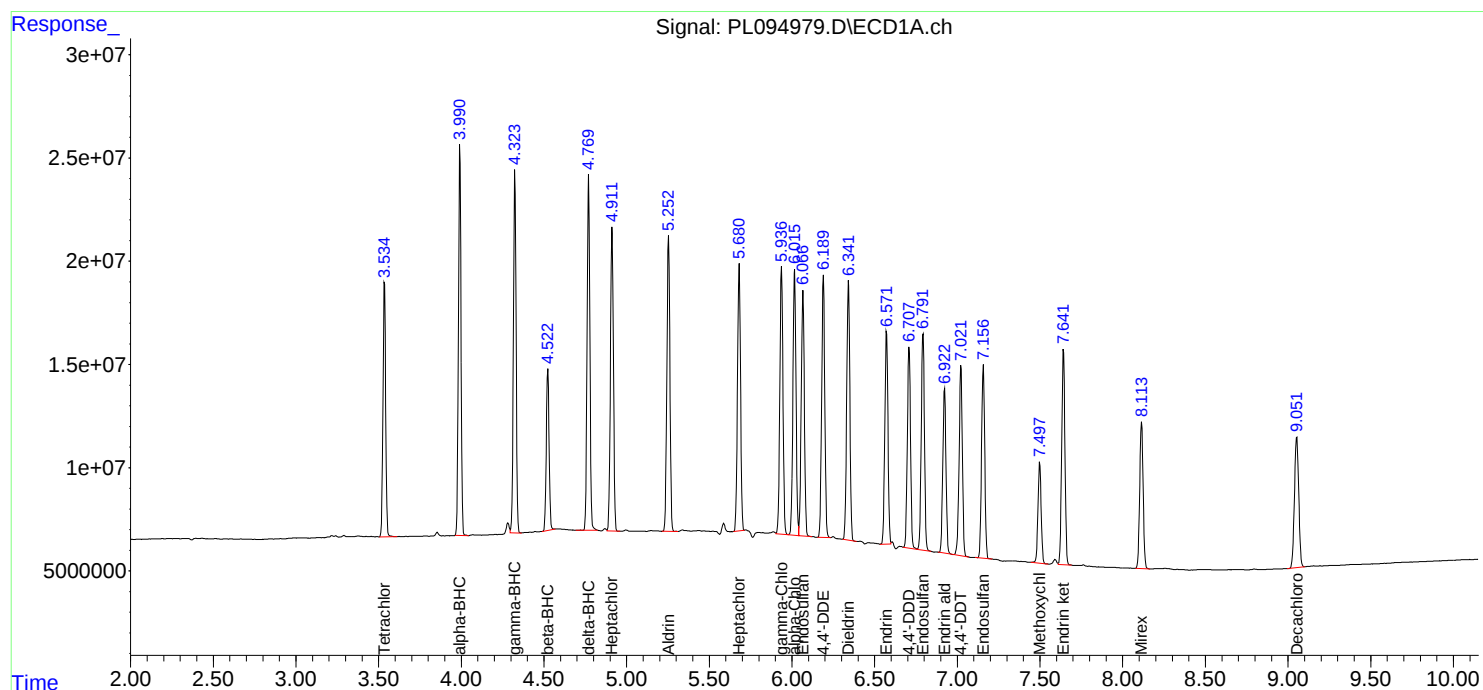
## APPROVED

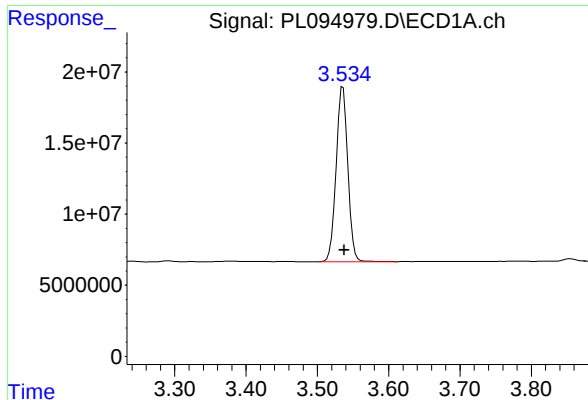
Reviewed By :Abdul Mirza 04/01/2025

Supervised By :mohammad ahmed 04/07/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 01 02:16:34 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





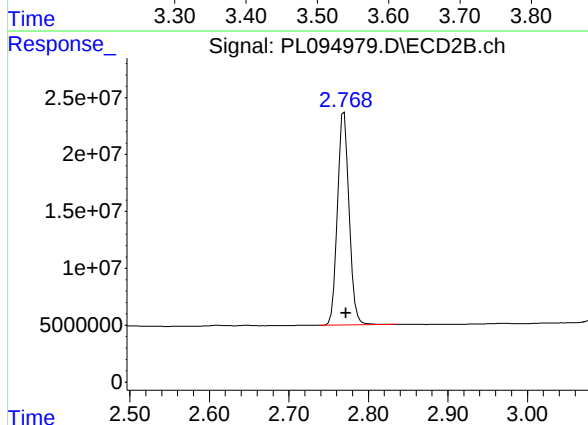
#1 Tetrachloro-m-xylene

R.T.: 3.536 min  
Delta R.T.: -0.002 min  
Response: 140587125  
Conc: 49.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

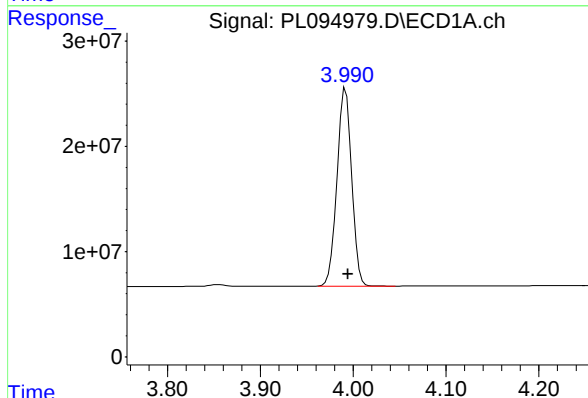
Manual Integrations  
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Supervised By :mohammad ahmed 04/07/2025



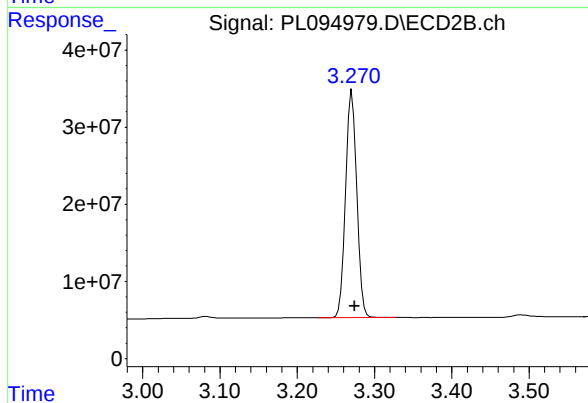
#1 Tetrachloro-m-xylene

R.T.: 2.769 min  
Delta R.T.: -0.002 min  
Response: 191219336  
Conc: 53.57 ng/ml



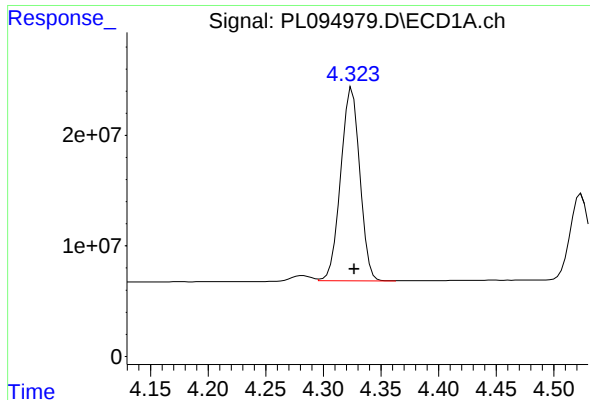
#2 alpha-BHC

R.T.: 3.992 min  
Delta R.T.: -0.002 min  
Response: 207063061  
Conc: 49.87 ng/ml



#2 alpha-BHC

R.T.: 3.271 min  
Delta R.T.: -0.003 min  
Response: 292897100  
Conc: 54.33 ng/ml



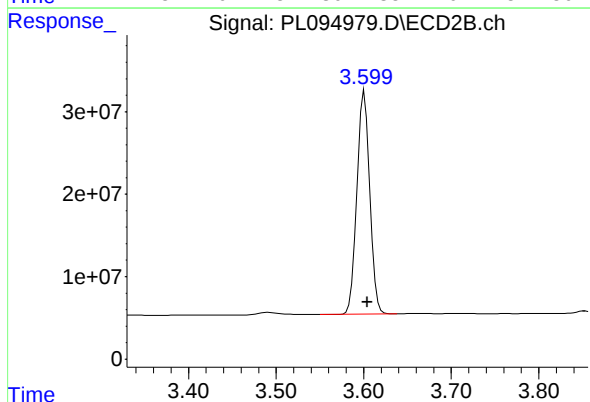
#3 gamma-BHC (Lindane)

R.T.: 4.323 min  
Delta R.T.: -0.003 min  
Response: 199488327  
Conc: 49.99 ng/ml

Instrument :  
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ClientSampleId :  
PSTDCCC050

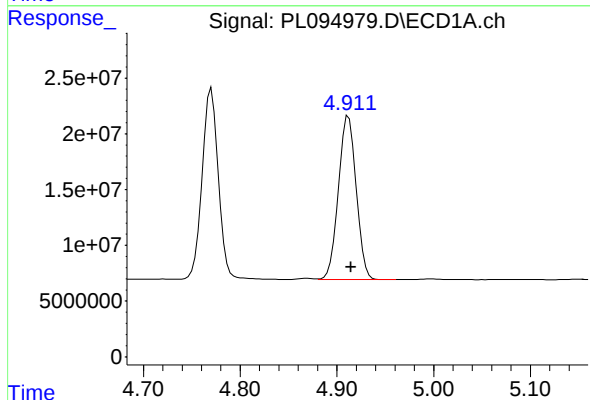
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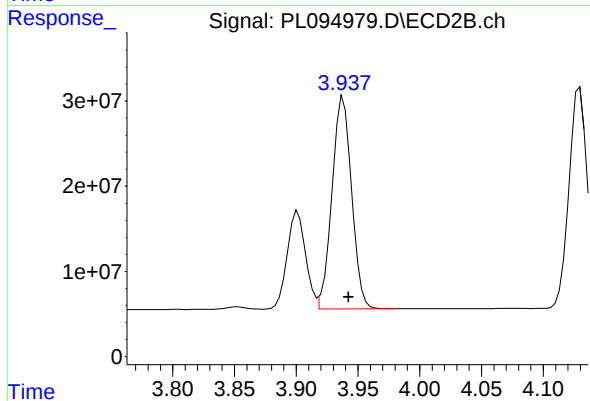
#3 gamma-BHC (Lindane)

R.T.: 3.601 min  
Delta R.T.: -0.004 min  
Response: 276632729  
Conc: 53.83 ng/ml



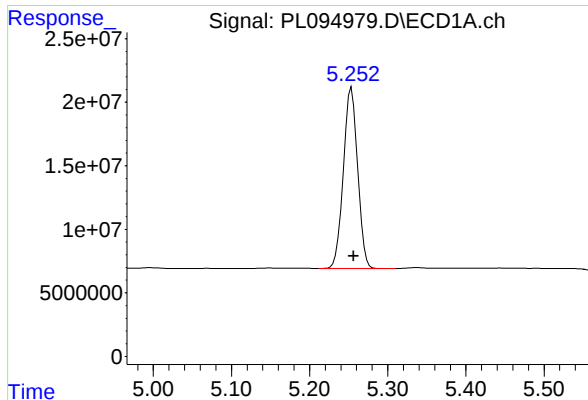
#4 Heptachlor

R.T.: 4.912 min  
Delta R.T.: -0.002 min  
Response: 187352768  
Conc: 48.27 ng/ml



#4 Heptachlor

R.T.: 3.938 min  
Delta R.T.: -0.004 min  
Response: 273612637  
Conc: 51.93 ng/ml



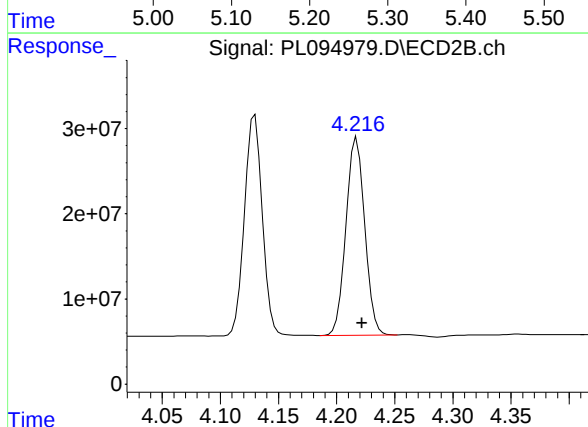
#5 Aldrin

R.T.: 5.254 min  
Delta R.T.: -0.003 min  
Response: 180993470  
Conc: 49.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

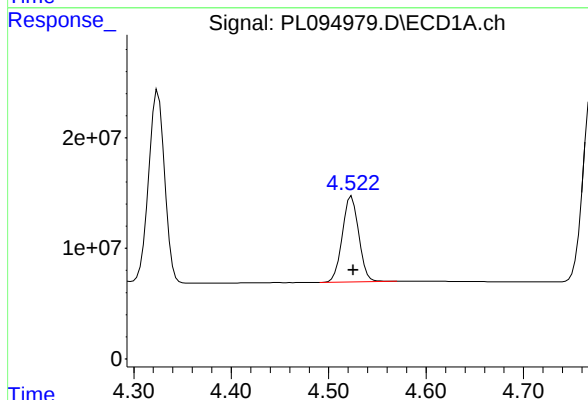
Manual Integrations  
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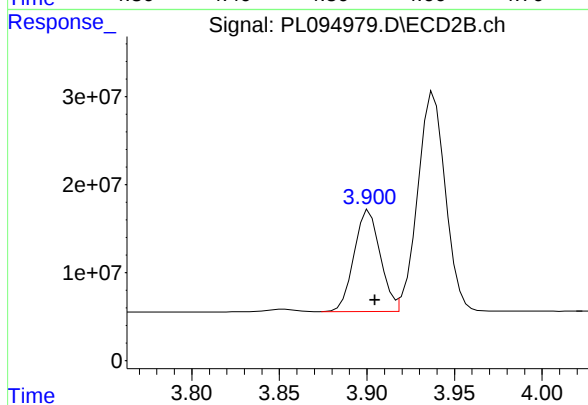
#5 Aldrin

R.T.: 4.217 min  
Delta R.T.: -0.004 min  
Response: 259729291  
Conc: 53.26 ng/ml



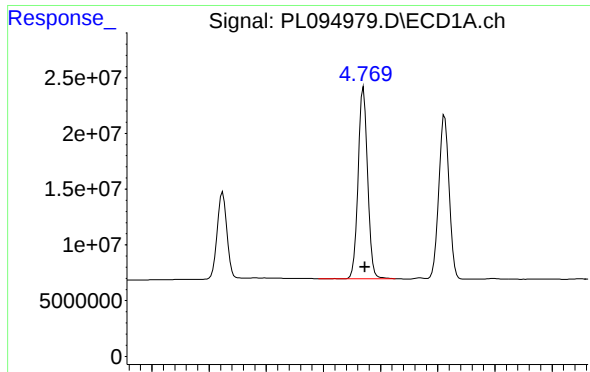
#6 beta-BHC

R.T.: 4.524 min  
Delta R.T.: -0.002 min  
Response: 91094520  
Conc: 49.37 ng/ml



#6 beta-BHC

R.T.: 3.901 min  
Delta R.T.: -0.003 min  
Response: 120024383  
Conc: 54.03 ng/ml



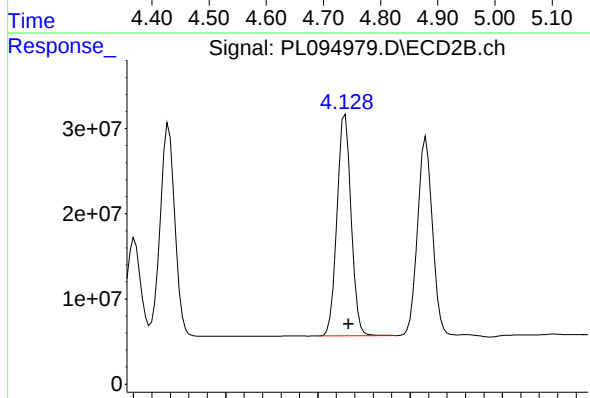
#7 delta-BHC

R.T.: 4.770 min  
Delta R.T.: -0.002 min  
Response: 199654653  
Conc: 51.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

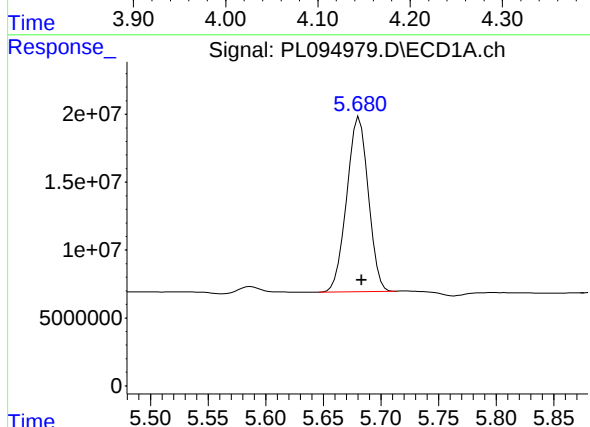
Manual Integrations  
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Supervised By :mohammad ahmed 04/07/2025



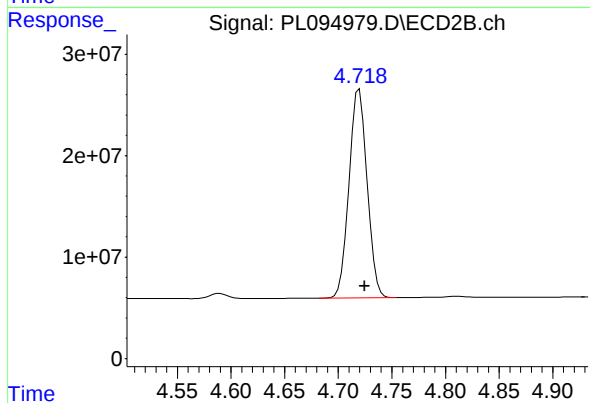
#7 delta-BHC

R.T.: 4.130 min  
Delta R.T.: -0.004 min  
Response: 276450776  
Conc: 55.27 ng/ml



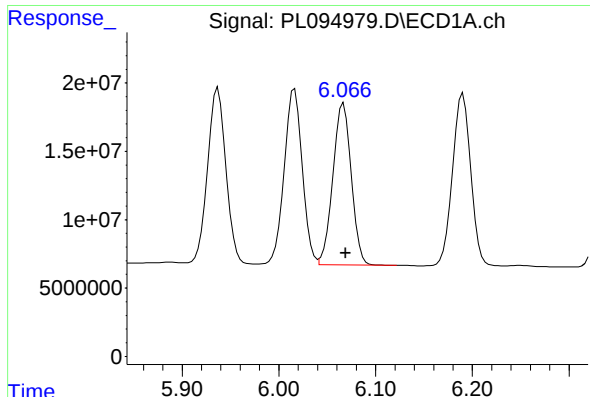
#8 Heptachlor epoxide

R.T.: 5.681 min  
Delta R.T.: -0.002 min  
Response: 166677333  
Conc: 49.83 ng/ml



#8 Heptachlor epoxide

R.T.: 4.718 min  
Delta R.T.: -0.006 min  
Response: 242406413  
Conc: 52.94 ng/ml m



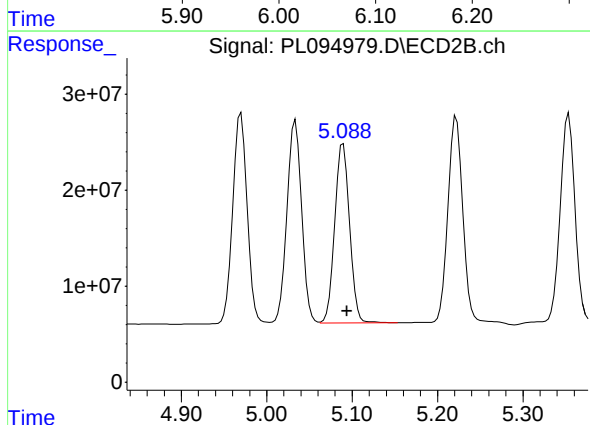
#9 Endosulfan I

R.T.: 6.067 min  
Delta R.T.: -0.002 min  
Response: 156588622  
Conc: 51.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

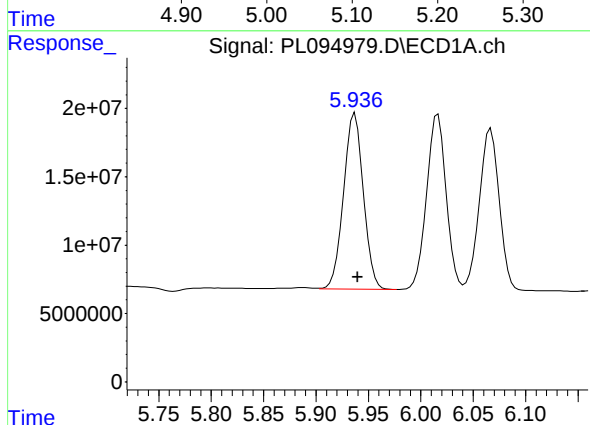
Manual Integrations  
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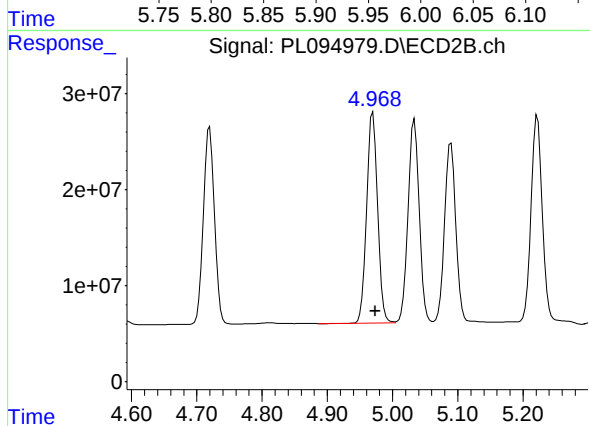
#9 Endosulfan I

R.T.: 5.090 min  
Delta R.T.: -0.004 min  
Response: 225174013  
Conc: 51.31 ng/ml



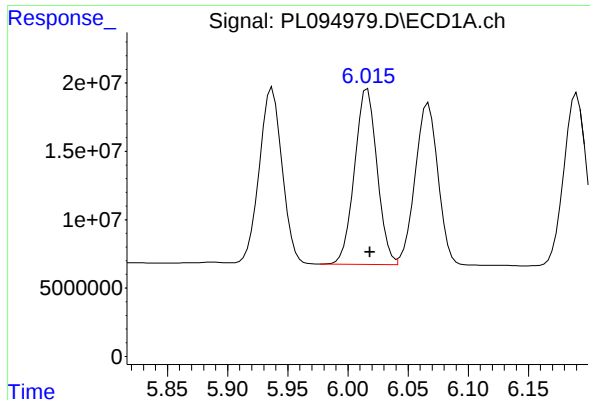
#10 gamma-Chlordane

R.T.: 5.937 min  
Delta R.T.: -0.002 min  
Response: 169893838  
Conc: 50.42 ng/ml



#10 gamma-Chlordane

R.T.: 4.970 min  
Delta R.T.: -0.004 min  
Response: 256805816  
Conc: 53.19 ng/ml



#11 alpha-Chlordane

R.T.: 6.016 min  
Delta R.T.: -0.002 min  
Response: 167703501  
Conc: 50.87 ng/ml

Instrument :

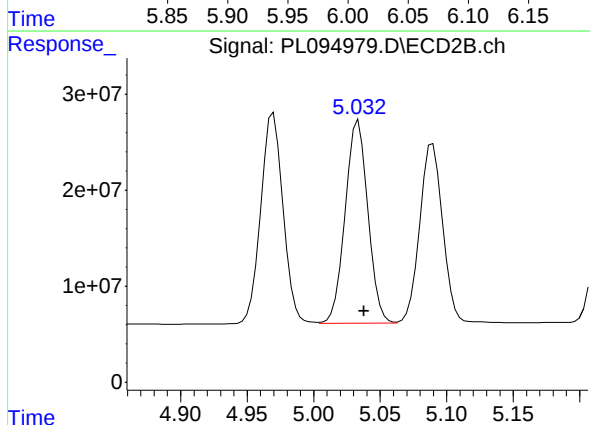
ECD\_L

ClientSampleId :

PSTDCCC050

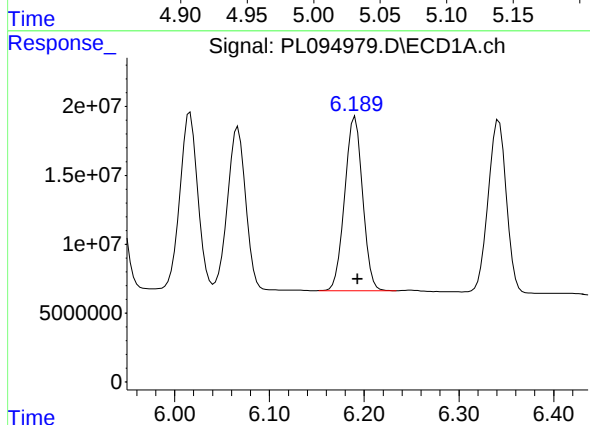
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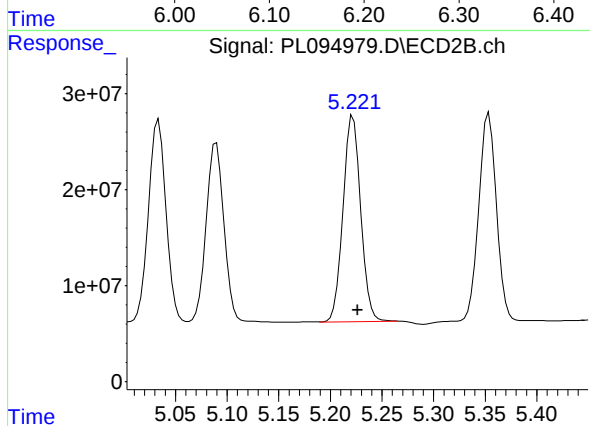
#11 alpha-Chlordane

R.T.: 5.034 min  
Delta R.T.: -0.004 min  
Response: 252220056  
Conc: 52.85 ng/ml



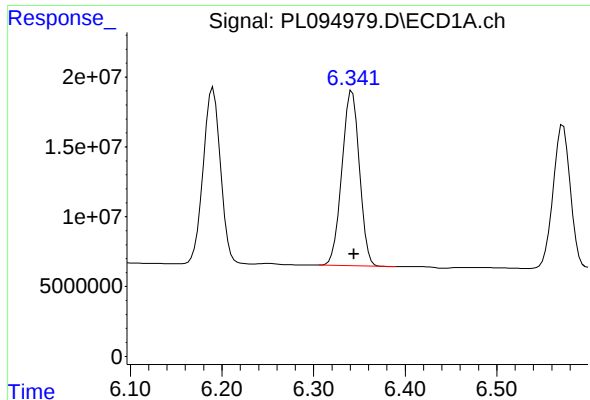
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: -0.003 min  
Response: 165983955  
Conc: 56.42 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min  
Delta R.T.: -0.006 min  
Response: 256208583  
Conc: 55.12 ng/ml m



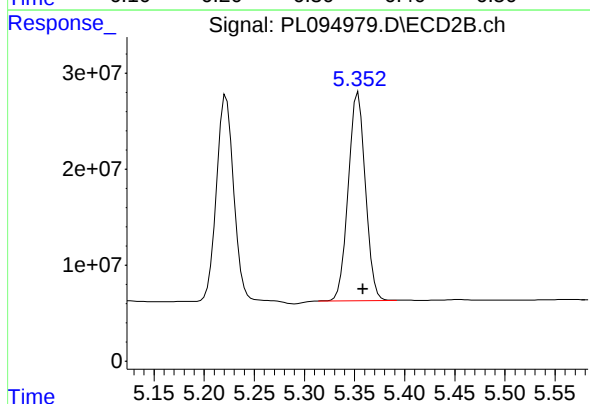
#13 Dieldrin

R.T.: 6.342 min  
Delta R.T.: -0.002 min  
Response: 166833913  
Conc: 52.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

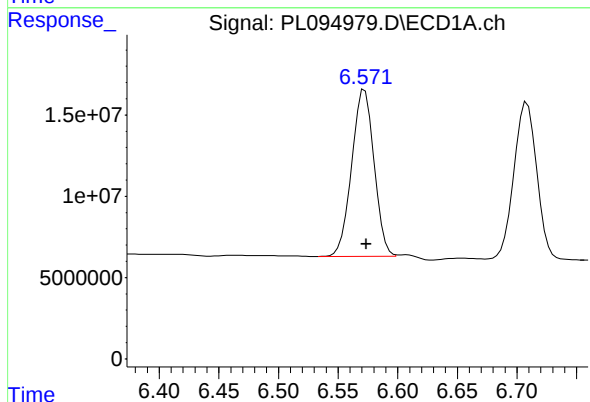
Manual Integrations  
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Reviewed By :Abdul Mirza 04/01/2025  
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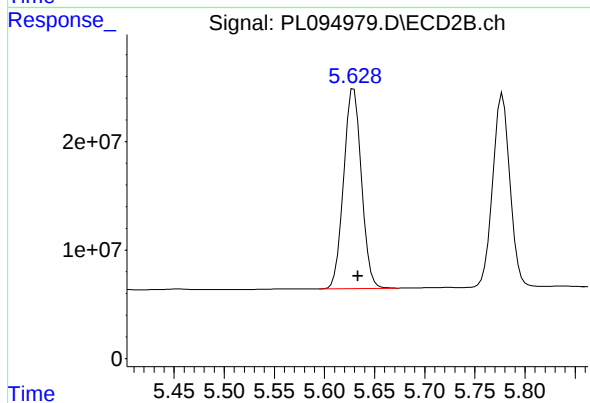
#13 Dieldrin

R.T.: 5.352 min  
Delta R.T.: -0.006 min  
Response: 258253557  
Conc: 53.23 ng/ml



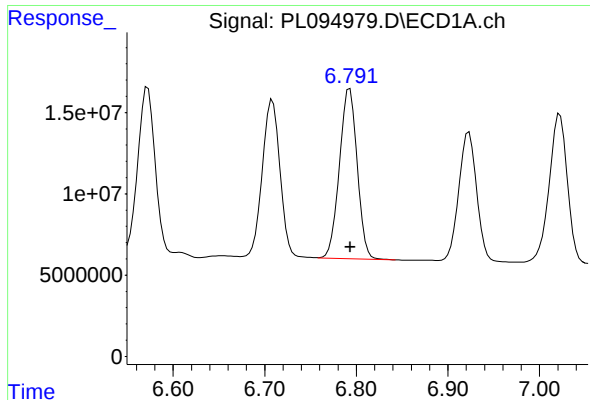
#14 Endrin

R.T.: 6.571 min  
Delta R.T.: -0.003 min  
Response: 134378348  
Conc: 48.48 ng/ml



#14 Endrin

R.T.: 5.628 min  
Delta R.T.: -0.006 min  
Response: 227421460  
Conc: 52.12 ng/ml



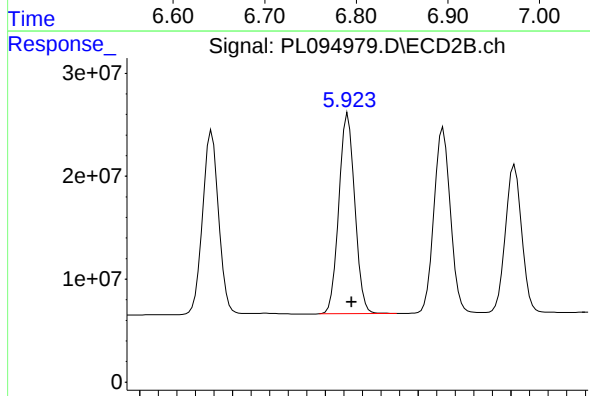
#15 Endosulfan II

R.T.: 6.793 min  
Delta R.T.: 0.000 min  
Response: 141375329  
Conc: 52.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

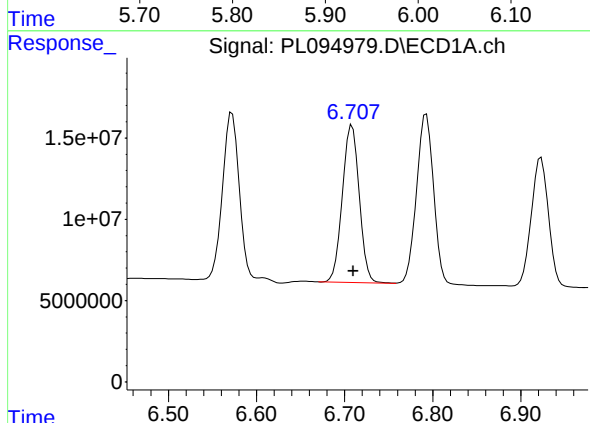
Manual Integrations  
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Reviewed By :Abdul Mirza 04/01/2025  
Supervised By :mohammad ahmed 04/07/2025



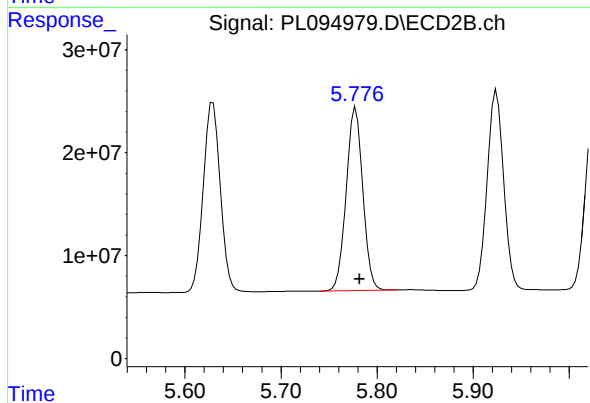
#15 Endosulfan II

R.T.: 5.924 min  
Delta R.T.: -0.004 min  
Response: 231767182  
Conc: 53.55 ng/ml



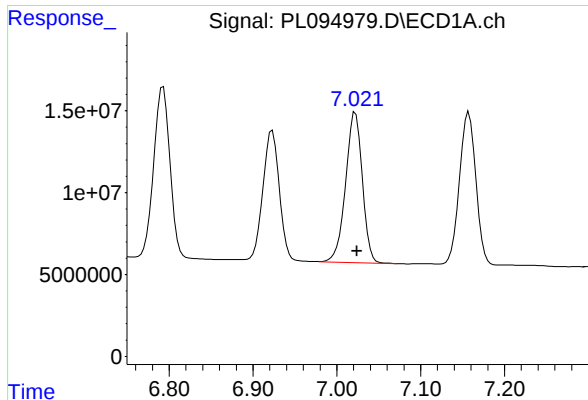
#16 4,4'-DDD

R.T.: 6.708 min  
Delta R.T.: -0.001 min  
Response: 129685685  
Conc: 59.87 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min  
Delta R.T.: -0.004 min  
Response: 212693557  
Conc: 59.15 ng/ml



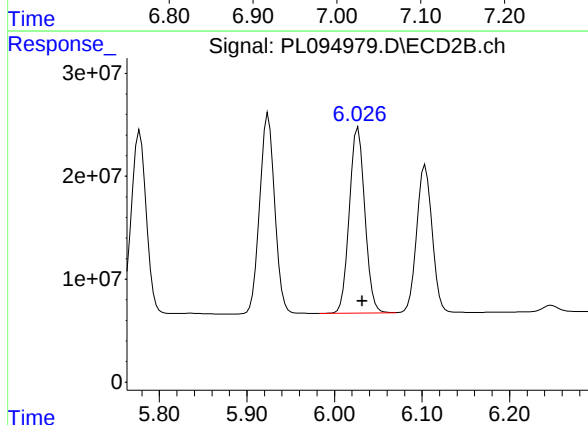
#17 4,4'-DDT

R.T.: 7.022 min  
Delta R.T.: -0.002 min  
Response: 126885044  
Conc: 53.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

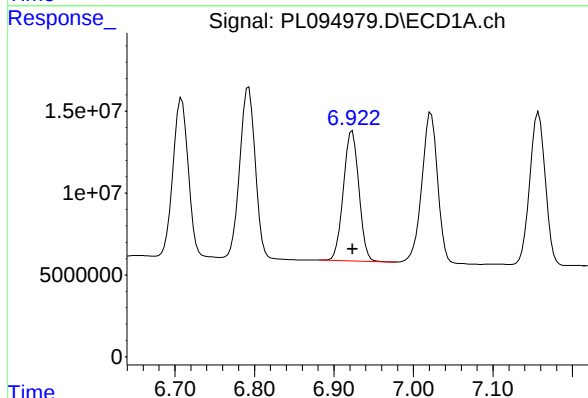
Manual Integrations  
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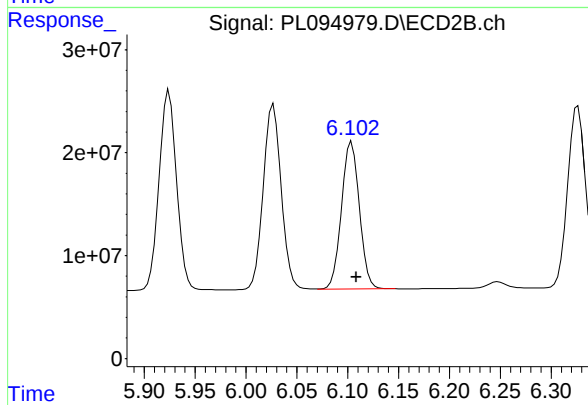
#17 4,4'-DDT

R.T.: 6.027 min  
Delta R.T.: -0.005 min  
Response: 220868674  
Conc: 54.78 ng/ml



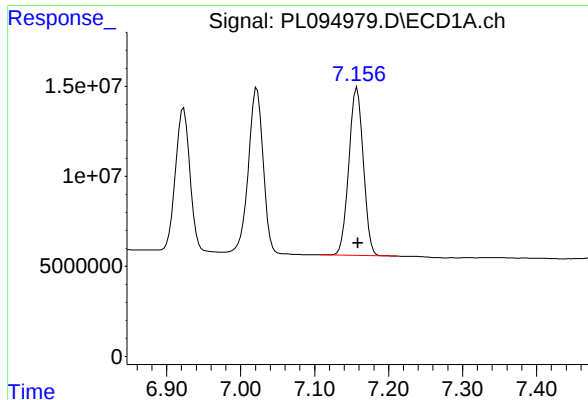
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: 0.000 min  
Response: 107455317  
Conc: 50.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min  
Delta R.T.: -0.004 min  
Response: 174995599  
Conc: 52.00 ng/ml



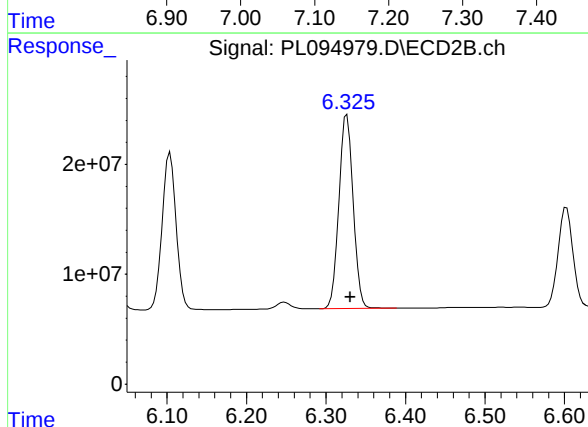
#19 Endosulfan Sulfate

R.T.: 7.157 min  
Delta R.T.: -0.001 min  
Response: 126228591  
Conc: 51.90 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

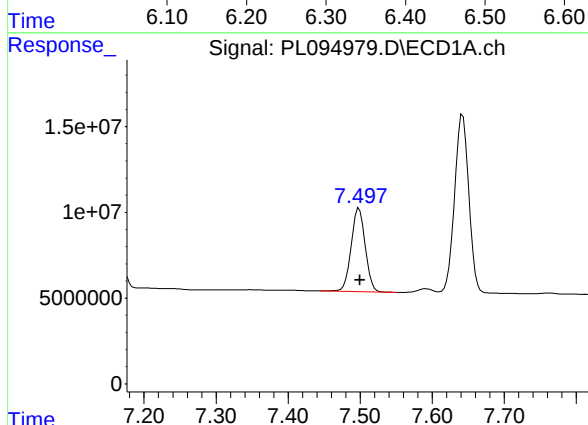
Manual Integrations  
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Reviewed By :Abdul Mirza 04/01/2025  
Supervised By :mohammad ahmed 04/07/2025



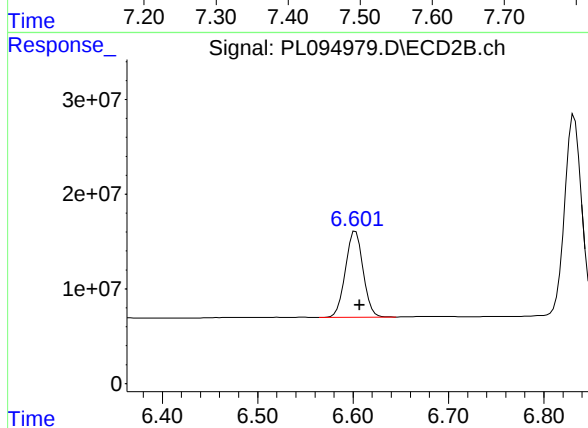
#19 Endosulfan Sulfate

R.T.: 6.326 min  
Delta R.T.: -0.004 min  
Response: 220164652  
Conc: 54.05 ng/ml



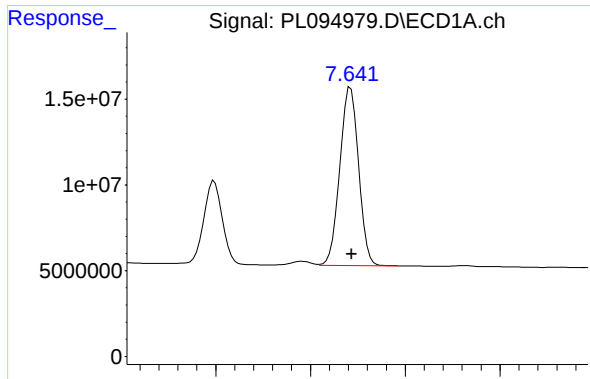
#20 Methoxychlor

R.T.: 7.498 min  
Delta R.T.: -0.001 min  
Response: 65607791  
Conc: 54.81 ng/ml



#20 Methoxychlor

R.T.: 6.603 min  
Delta R.T.: -0.004 min  
Response: 117589830  
Conc: 55.44 ng/ml



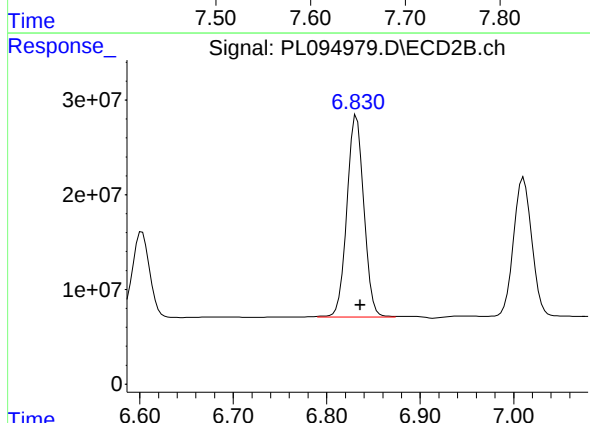
#21 Endrin ketone

R.T.: 7.642 min  
Delta R.T.: -0.001 min  
Response: 143019403  
Conc: 54.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

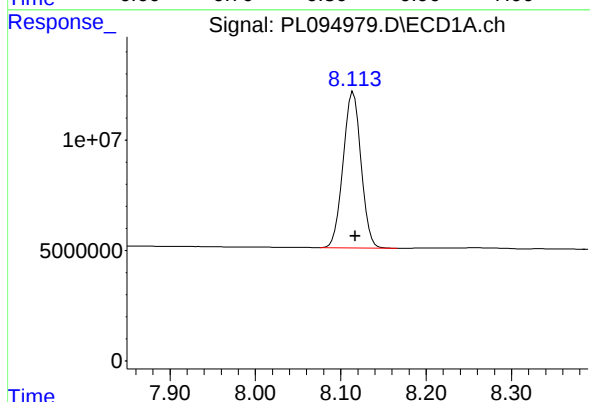
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/01/2025  
Supervised By :mohammad ahmed 04/07/2025



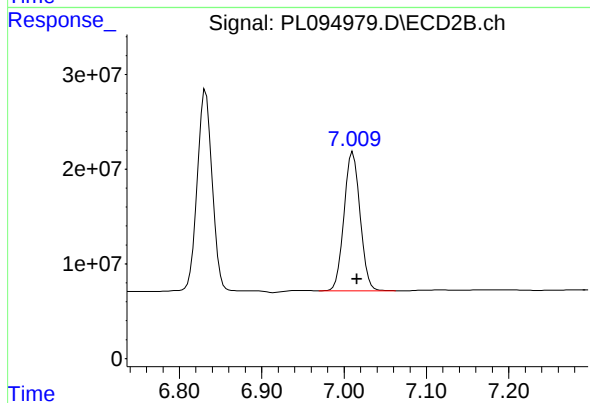
#21 Endrin ketone

R.T.: 6.830 min  
Delta R.T.: -0.005 min  
Response: 269130795  
Conc: 56.39 ng/ml



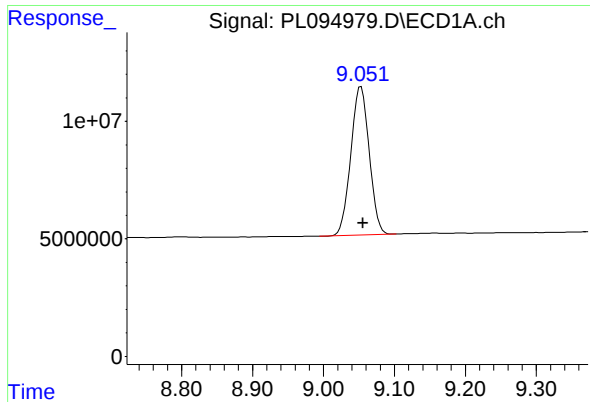
#22 Mirex

R.T.: 8.115 min  
Delta R.T.: -0.002 min  
Response: 102957867  
Conc: 49.83 ng/ml



#22 Mirex

R.T.: 7.009 min  
Delta R.T.: -0.006 min  
Response: 198407994  
Conc: 52.28 ng/ml



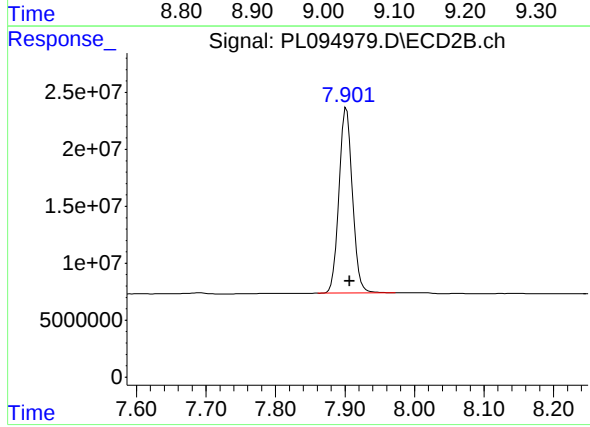
#28 Decachlorobiphenyl

R.T.: 9.053 min  
Delta R.T.: -0.003 min  
Response: 113609758  
Conc: 53.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/01/2025  
Supervised By :mohammad ahmed 04/07/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min  
Delta R.T.: -0.005 min  
Response: 218451765  
Conc: 54.08 ng/ml