

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050625\  
 Data File : PL095539.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 05 May 2025 15:06  
 Operator : AR\AJ  
 Sample : Q1936-01MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SMALL-PILE-AMS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 05/06/2025  
 Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 06 01:40:35 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 | 2.909 | 40049031 | 52613205 | 12.267  | 16.546 # |
| 2)                          | SA Decachlor... | 9.114 | 8.084 | 33057669 | 42851827 | 11.931  | 14.481   |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 4.043 | 3.418 | 243.7E6  | 312.6E6  | 49.197  | 70.262 # |
| 3)                          | MA gamma-BHC... | 4.373 | 3.752 | 233.4E6  | 293.1E6  | 49.293m | 66.646 # |
| 4)                          | MA Heptachlor   | 4.972 | 4.105 | 222.8E6  | 276.2E6  | 48.701  | 63.400 # |
| 5)                          | MB Aldrin       | 5.313 | 4.390 | 240.8E6  | 278.9E6  | 52.419m | 67.770 # |
| 6)                          | B beta-BHC      | 4.560 | 4.045 | 99701701 | 128.7E6  | 48.223  | 61.983 # |
| 7)                          | B delta-BHC     | 4.807 | 4.281 | 228.3E6  | 296.3E6  | 49.099m | 67.616 # |
| 8)                          | B Heptachlo...  | 5.734 | 4.893 | 212.0E6  | 253.7E6  | 52.930  | 65.671   |
| 9)                          | A Endosulfan I  | 6.117 | 5.265 | 201.7E6  | 242.4E6  | 53.106  | 66.231   |
| 10)                         | B gamma-Chl...  | 5.987 | 5.144 | 214.9E6  | 263.7E6  | 52.668m | 65.064m  |
| 11)                         | B alpha-Chl...  | 6.070 | 5.209 | 214.0E6  | 257.0E6  | 52.638  | 64.566   |
| 12)                         | B 4,4'-DDE      | 6.238 | 5.395 | 205.8E6  | 259.3E6  | 52.497  | 63.764   |
| 13)                         | MA Dieldrin     | 6.390 | 5.531 | 201.9E6  | 266.9E6  | 52.377  | 65.632 # |
| 14)                         | MA Endrin       | 6.618 | 5.805 | 167.0E6  | 234.3E6  | 52.431  | 64.357   |
| 15)                         | B Endosulfa...  | 6.830 | 6.095 | 173.5E6  | 236.6E6  | 54.356  | 65.879   |
| 16)                         | A 4,4'-DDD      | 6.748 | 5.947 | 158.7E6  | 222.8E6  | 56.064  | 68.212   |
| 17)                         | MA 4,4'-DDT     | 7.063 | 6.201 | 140.4E6  | 211.8E6  | 49.293  | 61.625 # |
| 18)                         | B Endrin al...  | 6.959 | 6.273 | 122.5E6  | 166.9E6  | 52.799  | 63.874   |
| 19)                         | B Endosulfa...  | 7.192 | 6.495 | 147.1E6  | 205.9E6  | 52.490  | 62.043m  |
| 20)                         | A Methoxychlor  | 7.533 | 6.769 | 64119642 | 109.4E6  | 45.960  | 57.373m  |
| 21)                         | B Endrin ke...  | 7.673 | 7.002 | 150.1E6  | 243.7E6  | 52.655  | 69.207 # |
| 22)                         | Mirex           | 8.155 | 7.197 | 119.5E6  | 175.3E6  | 50.295  | 60.816m  |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050625\  
Data File : PL095539.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 05 May 2025 15:06  
Operator : AR\AJ  
Sample : Q1936-01MS  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

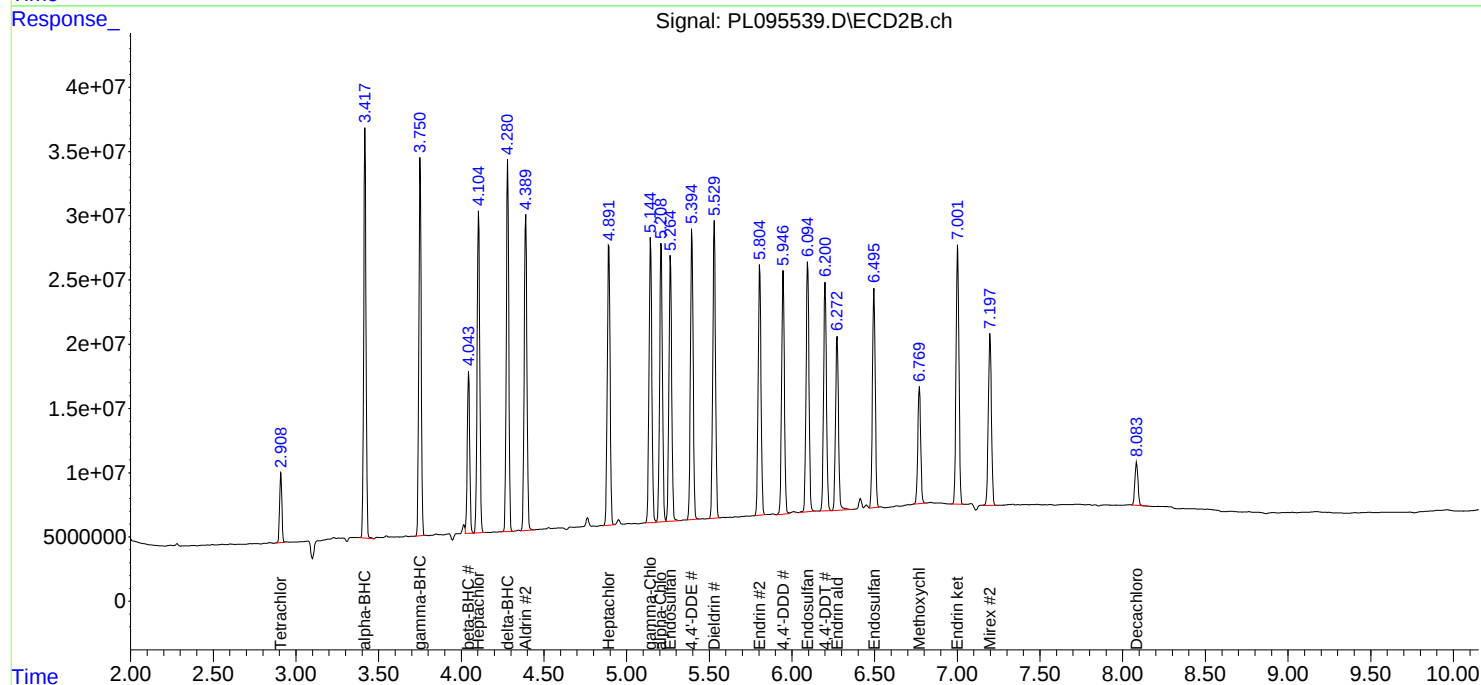
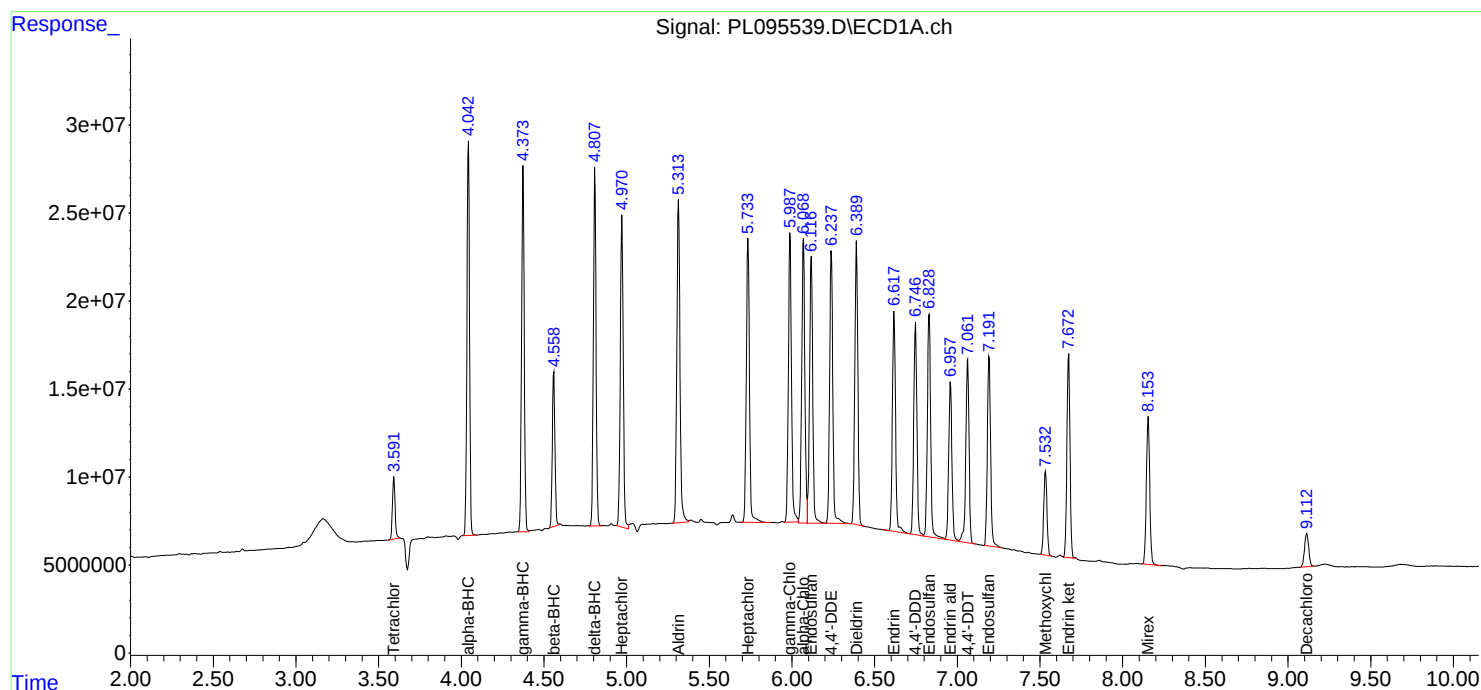
Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

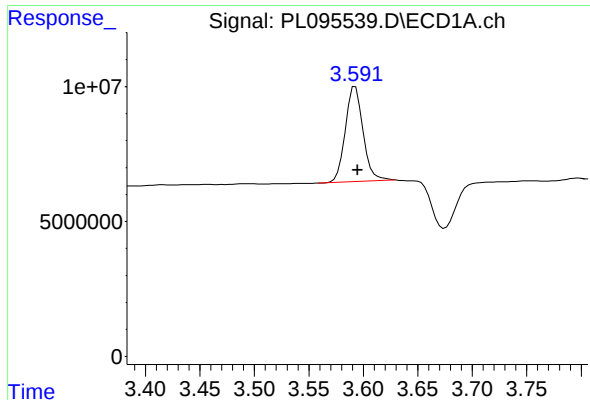
Manual Integrations  
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Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 06 01:40:35 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





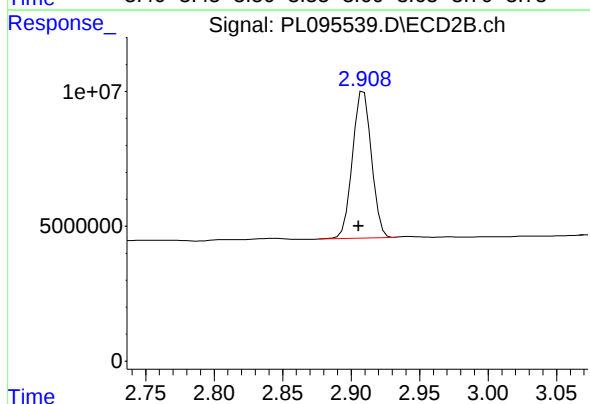
#1 Tetrachloro-m-xylene

R.T.: 3.593 min  
Delta R.T.: -0.002 min  
Response: 40049031  
Conc: 12.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

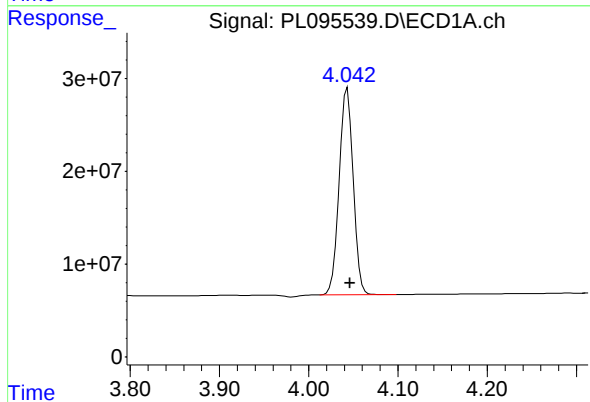
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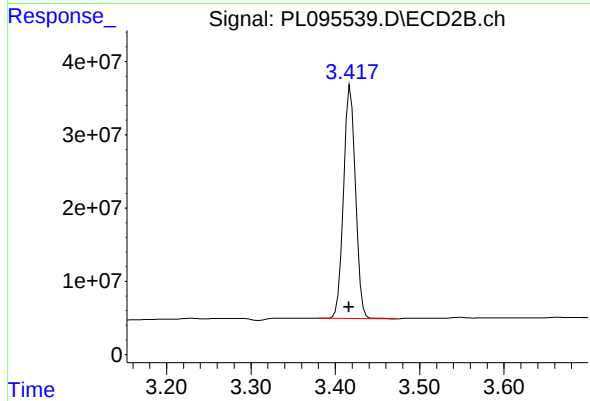
#1 Tetrachloro-m-xylene

R.T.: 2.909 min  
Delta R.T.: 0.004 min  
Response: 52613205  
Conc: 16.55 ng/ml



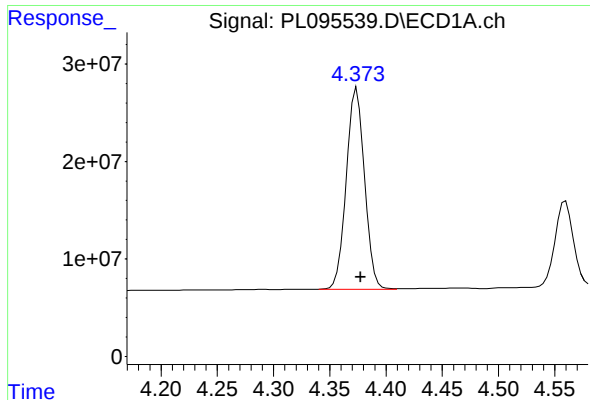
#2 alpha-BHC

R.T.: 4.043 min  
Delta R.T.: -0.003 min  
Response: 243709402  
Conc: 49.20 ng/ml



#2 alpha-BHC

R.T.: 3.418 min  
Delta R.T.: 0.002 min  
Response: 312574112  
Conc: 70.26 ng/ml



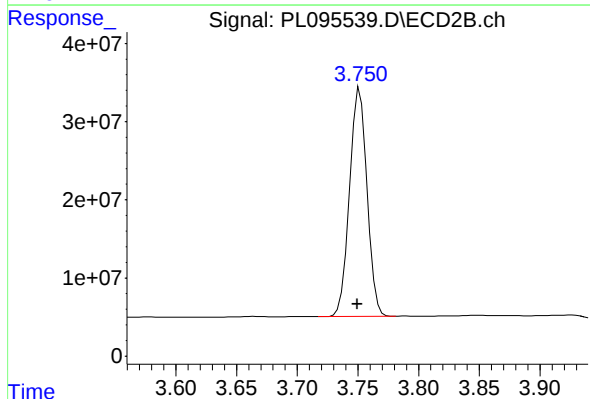
#3 gamma-BHC (Lindane)

R.T.: 4.373 min  
Delta R.T.: -0.005 min  
Response: 233350542  
Conc: 49.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

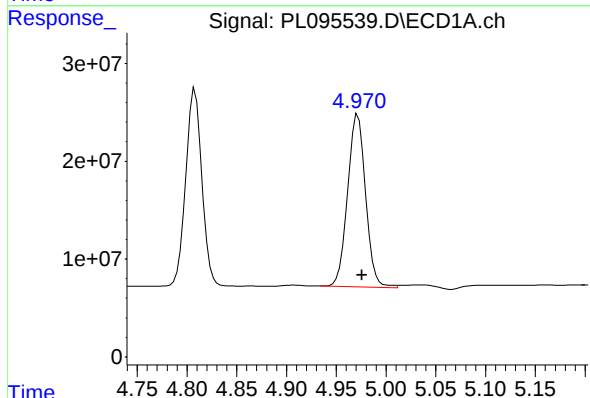
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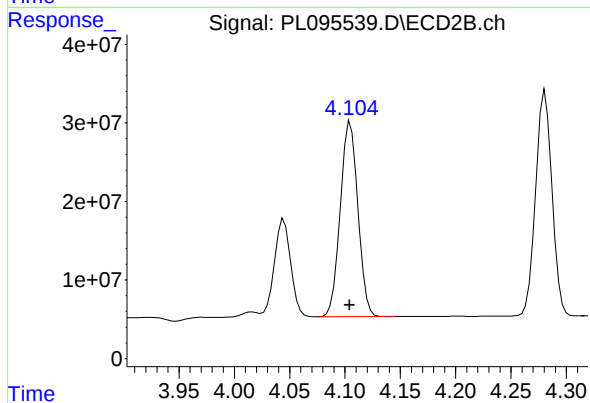
#3 gamma-BHC (Lindane)

R.T.: 3.752 min  
Delta R.T.: 0.002 min  
Response: 293122336  
Conc: 66.65 ng/ml



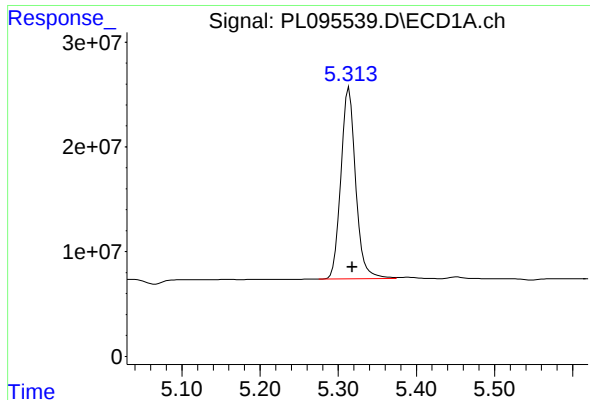
#4 Heptachlor

R.T.: 4.972 min  
Delta R.T.: -0.004 min  
Response: 222779807  
Conc: 48.70 ng/ml



#4 Heptachlor

R.T.: 4.105 min  
Delta R.T.: 0.000 min  
Response: 276216852  
Conc: 63.40 ng/ml



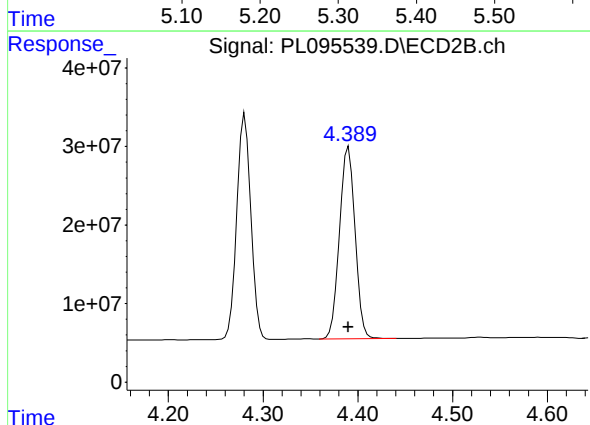
#5 Aldrin

R.T.: 5.313 min  
Delta R.T.: -0.006 min  
Response: 240761994  
Conc: 52.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

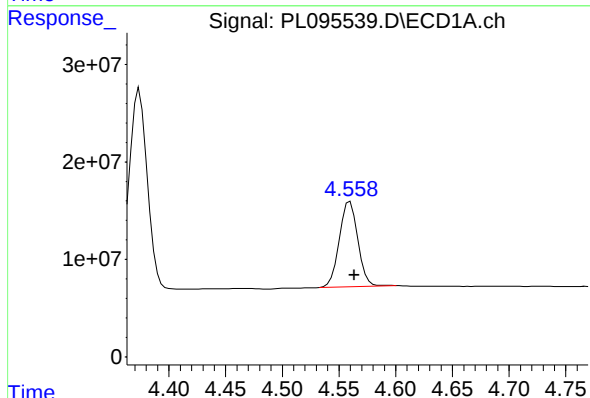
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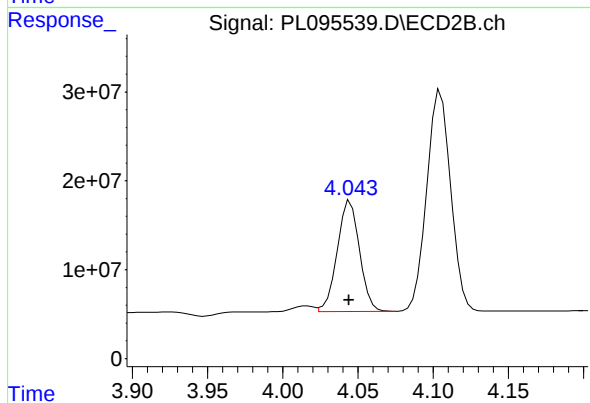
#5 Aldrin

R.T.: 4.390 min  
Delta R.T.: 0.000 min  
Response: 278918280  
Conc: 67.77 ng/ml



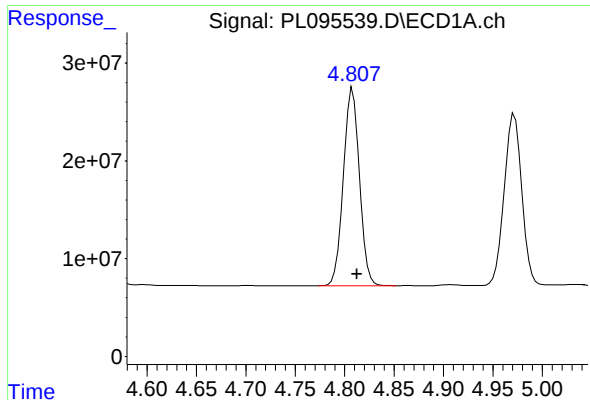
#6 beta-BHC

R.T.: 4.560 min  
Delta R.T.: -0.004 min  
Response: 99701701  
Conc: 48.22 ng/ml



#6 beta-BHC

R.T.: 4.045 min  
Delta R.T.: 0.001 min  
Response: 128669094  
Conc: 61.98 ng/ml



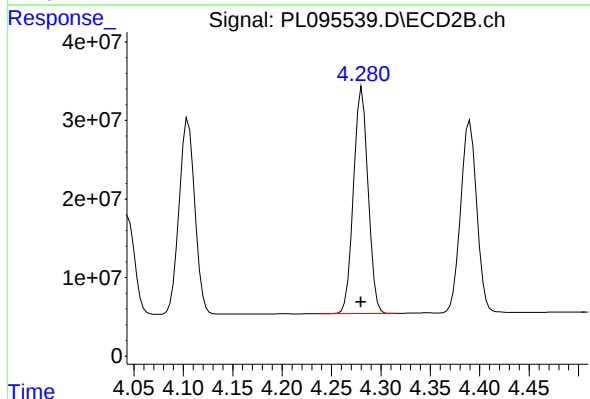
#7 delta-BHC

R.T.: 4.807 min  
Delta R.T.: -0.006 min  
Response: 228345594  
Conc: 49.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

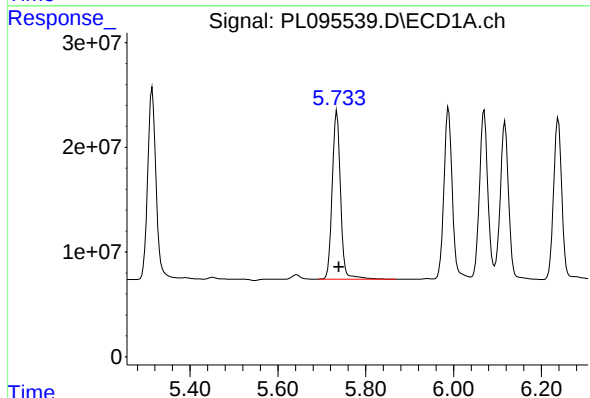
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Supervised By :mohammad ahmed 05/08/2025



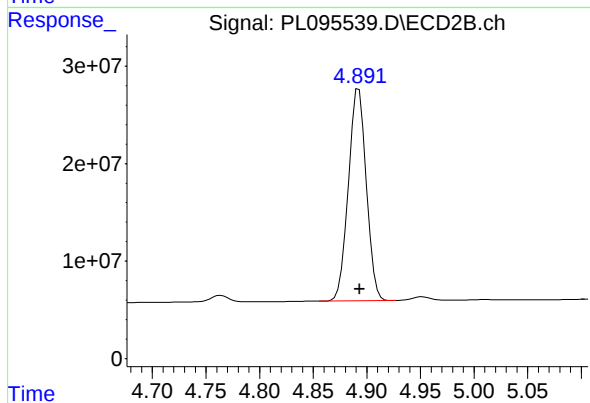
#7 delta-BHC

R.T.: 4.281 min  
Delta R.T.: 0.001 min  
Response: 296291247  
Conc: 67.62 ng/ml



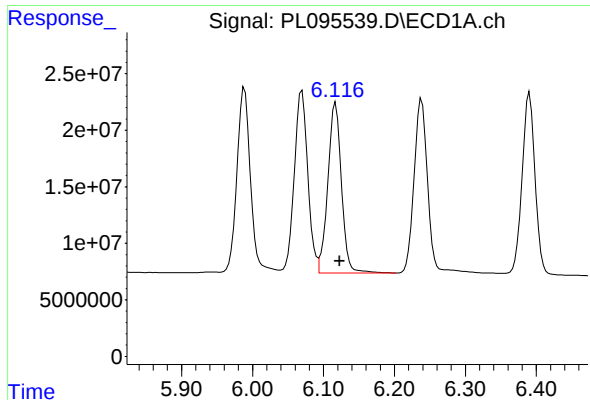
#8 Heptachlor epoxide

R.T.: 5.734 min  
Delta R.T.: -0.005 min  
Response: 211992150  
Conc: 52.93 ng/ml



#8 Heptachlor epoxide

R.T.: 4.893 min  
Delta R.T.: 0.000 min  
Response: 253663334  
Conc: 65.67 ng/ml



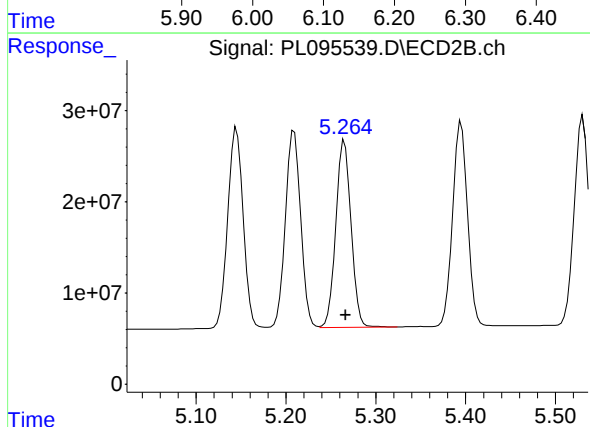
#9 Endosulfan I

R.T.: 6.117 min  
Delta R.T.: -0.005 min  
Response: 201671257  
Conc: 53.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

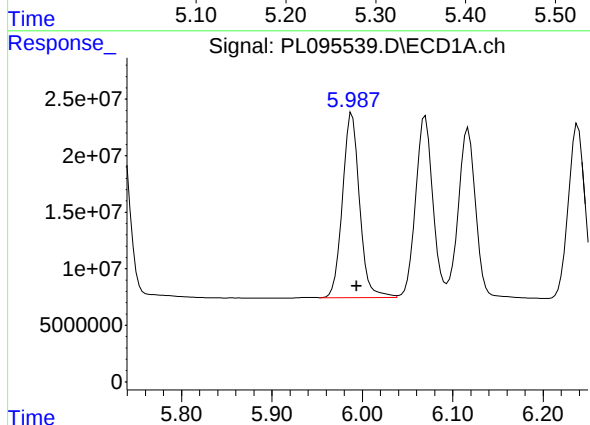
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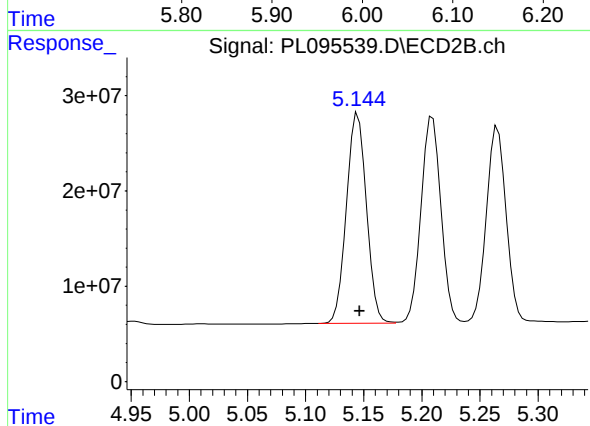
#9 Endosulfan I

R.T.: 5.265 min  
Delta R.T.: -0.001 min  
Response: 242434560  
Conc: 66.23 ng/ml



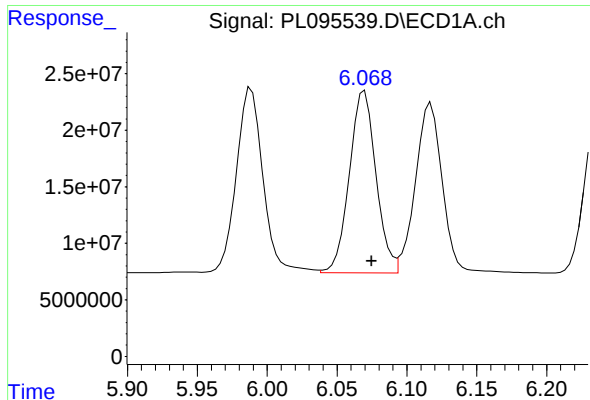
#10 gamma-Chlordane

R.T.: 5.987 min  
Delta R.T.: -0.006 min  
Response: 214852399  
Conc: 52.67 ng/ml m



#10 gamma-Chlordane

R.T.: 5.144 min  
Delta R.T.: -0.003 min  
Response: 263682901  
Conc: 65.06 ng/ml m



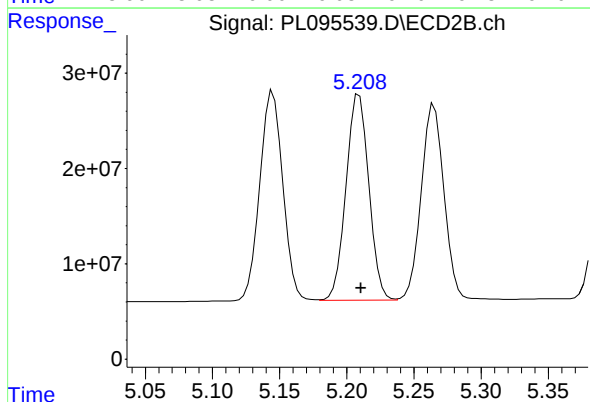
#11 alpha-Chlordane

R.T.: 6.070 min  
Delta R.T.: -0.005 min  
Response: 214032875  
Conc: 52.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

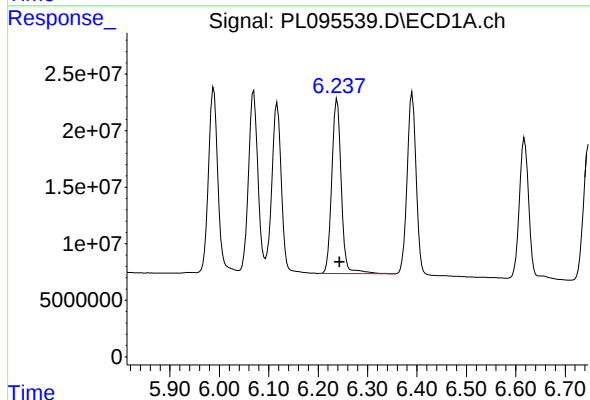
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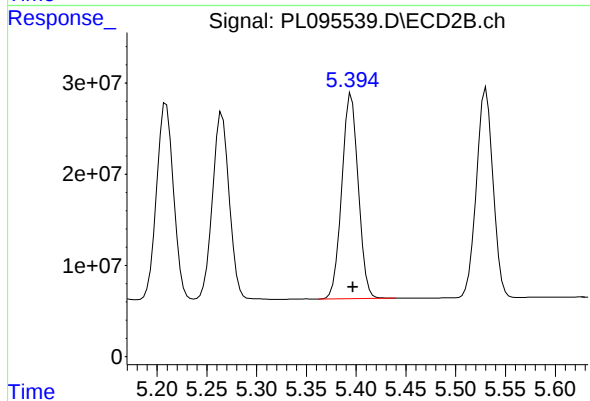
#11 alpha-Chlordane

R.T.: 5.209 min  
Delta R.T.: -0.001 min  
Response: 257043205  
Conc: 64.57 ng/ml



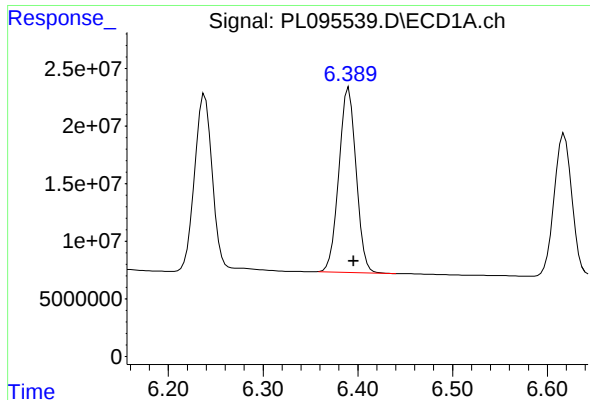
#12 4,4'-DDE

R.T.: 6.238 min  
Delta R.T.: -0.005 min  
Response: 205818975  
Conc: 52.50 ng/ml



#12 4,4'-DDE

R.T.: 5.395 min  
Delta R.T.: -0.002 min  
Response: 259324346  
Conc: 63.76 ng/ml



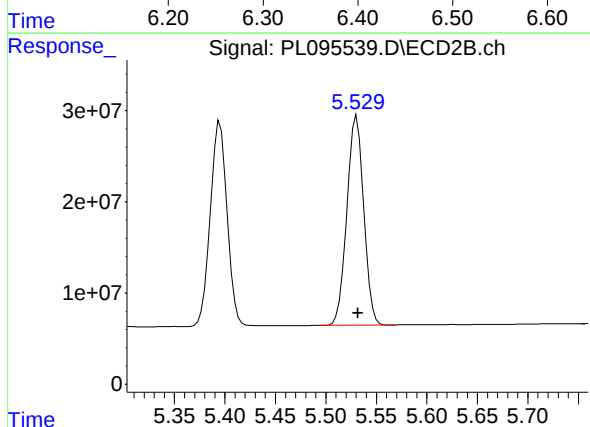
#13 Dieldrin

R.T.: 6.390 min  
Delta R.T.: -0.005 min  
Response: 201904862  
Conc: 52.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

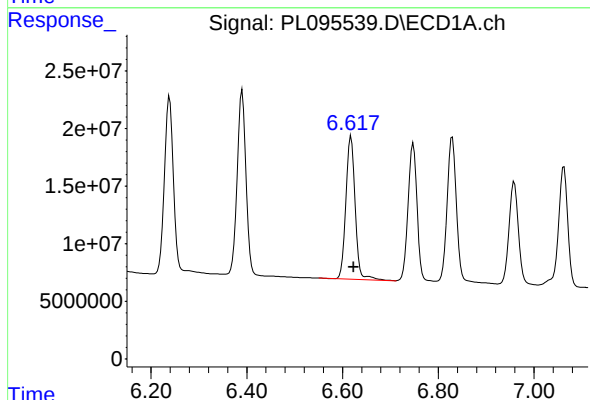
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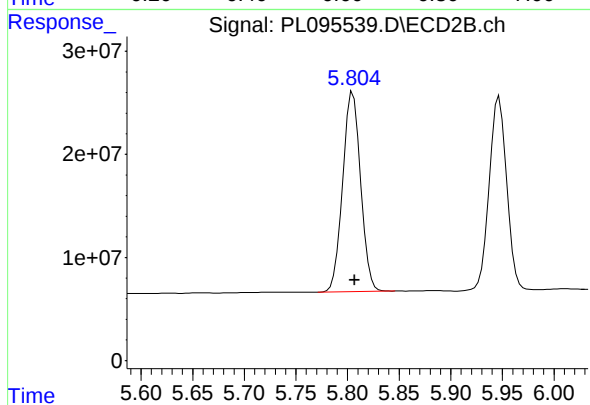
#13 Dieldrin

R.T.: 5.531 min  
Delta R.T.: -0.001 min  
Response: 266932621  
Conc: 65.63 ng/ml



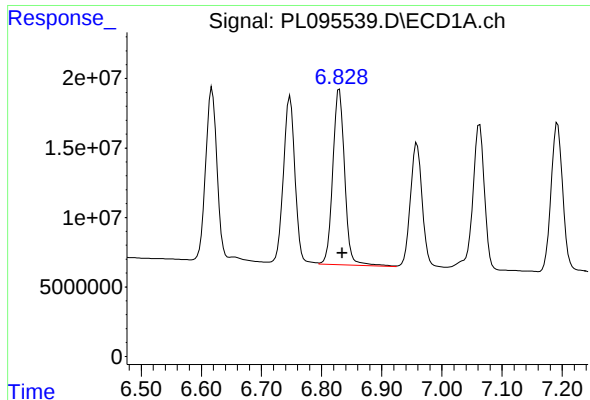
#14 Endrin

R.T.: 6.618 min  
Delta R.T.: -0.005 min  
Response: 166978686  
Conc: 52.43 ng/ml



#14 Endrin

R.T.: 5.805 min  
Delta R.T.: -0.002 min  
Response: 234305468  
Conc: 64.36 ng/ml



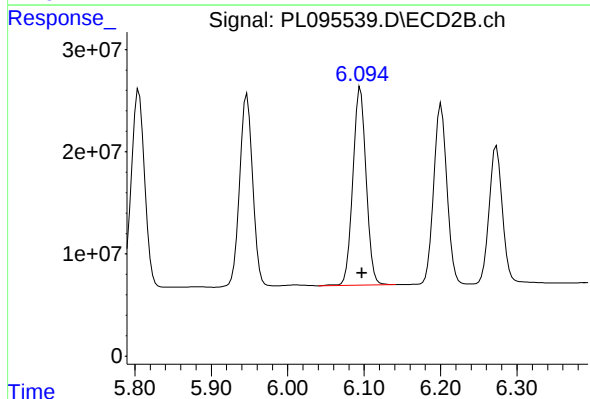
#15 Endosulfan II

R.T.: 6.830 min  
Delta R.T.: -0.005 min  
Response: 173514028  
Conc: 54.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

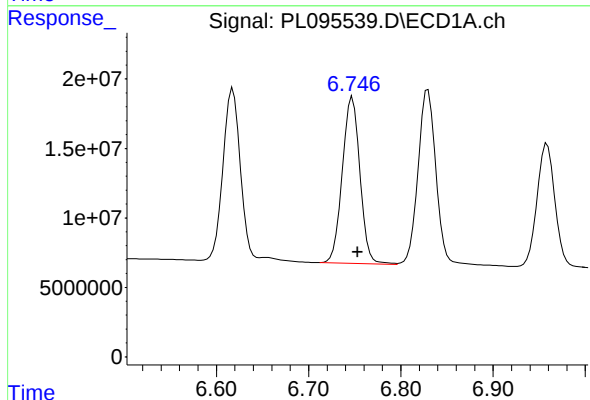
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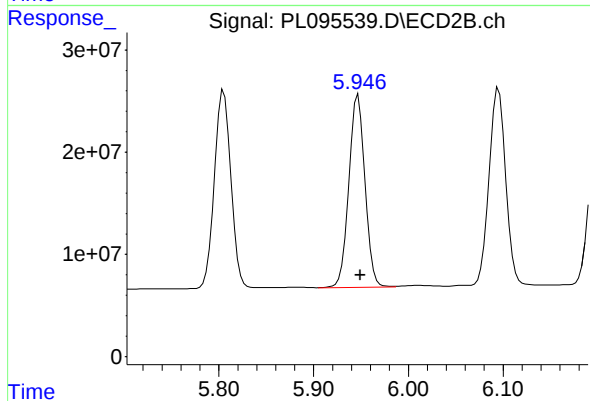
#15 Endosulfan II

R.T.: 6.095 min  
Delta R.T.: -0.002 min  
Response: 236578615  
Conc: 65.88 ng/ml



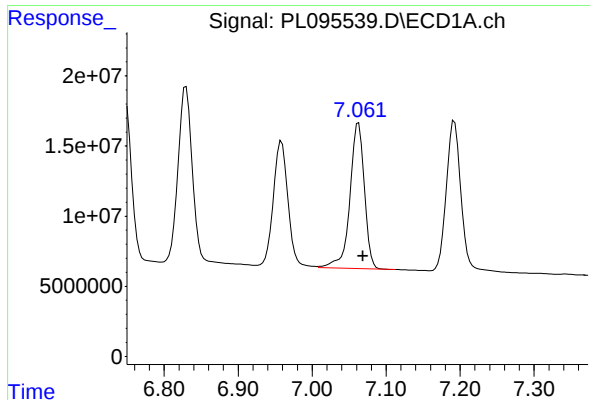
#16 4,4'-DDD

R.T.: 6.748 min  
Delta R.T.: -0.005 min  
Response: 158716064  
Conc: 56.06 ng/ml



#16 4,4'-DDD

R.T.: 5.947 min  
Delta R.T.: -0.002 min  
Response: 222833456  
Conc: 68.21 ng/ml



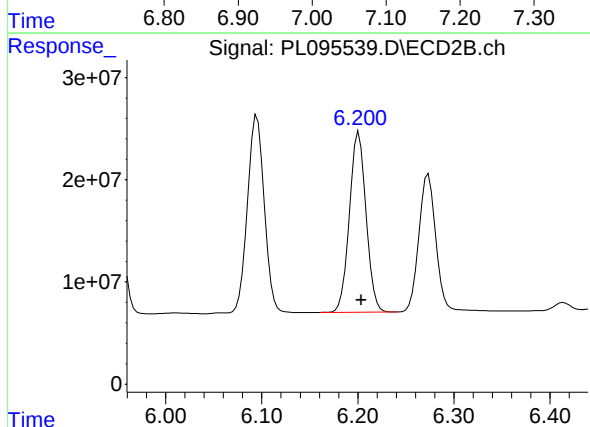
#17 4,4'-DDT

R.T.: 7.063 min  
Delta R.T.: -0.006 min  
Response: 140415990  
Conc: 49.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

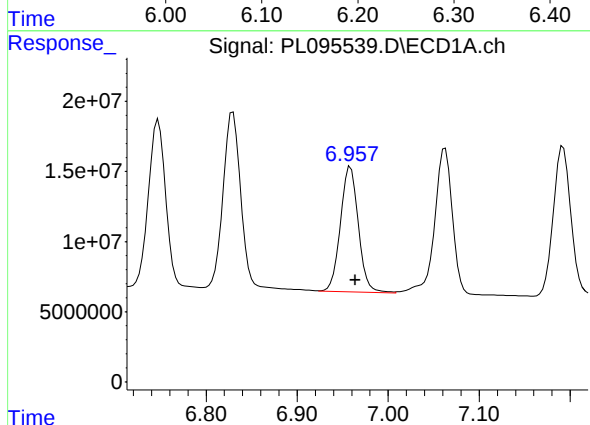
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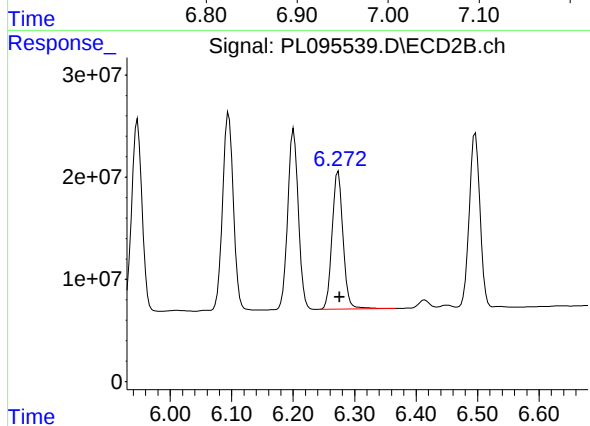
#17 4,4'-DDT

R.T.: 6.201 min  
Delta R.T.: -0.003 min  
Response: 211754017  
Conc: 61.62 ng/ml



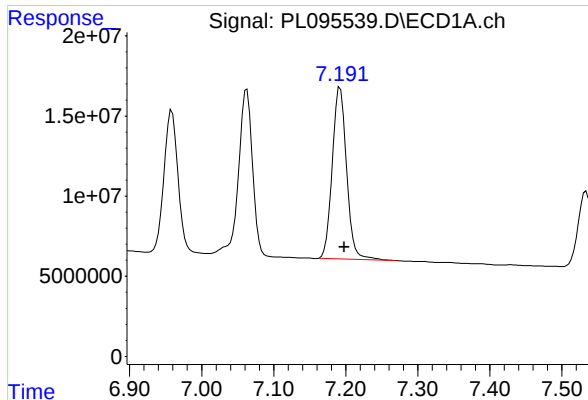
#18 Endrin aldehyde

R.T.: 6.959 min  
Delta R.T.: -0.005 min  
Response: 122535960  
Conc: 52.80 ng/ml



#18 Endrin aldehyde

R.T.: 6.273 min  
Delta R.T.: -0.002 min  
Response: 166913384  
Conc: 63.87 ng/ml



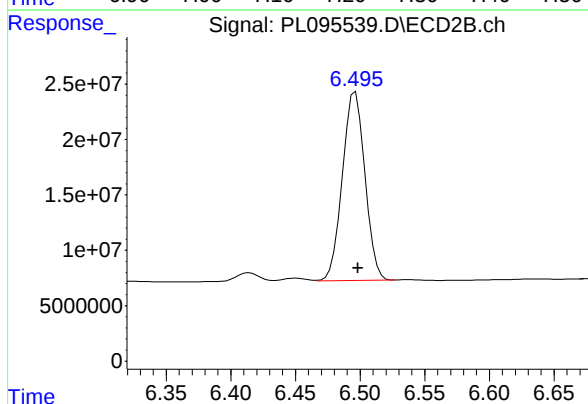
#19 Endosulfan Sulfate

R.T.: 7.192 min  
Delta R.T.: -0.006 min  
Response: 147067558  
Conc: 52.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

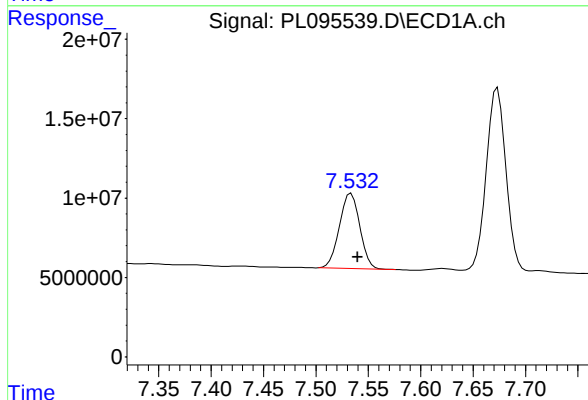
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Reviewed By :Abdul Mirza 05/06/2025  
Supervised By :mohammad ahmed 05/08/2025



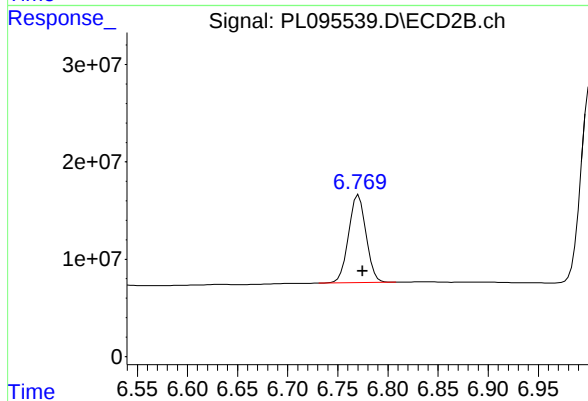
#19 Endosulfan Sulfate

R.T.: 6.495 min  
Delta R.T.: -0.003 min  
Response: 205854539  
Conc: 62.04 ng/ml m



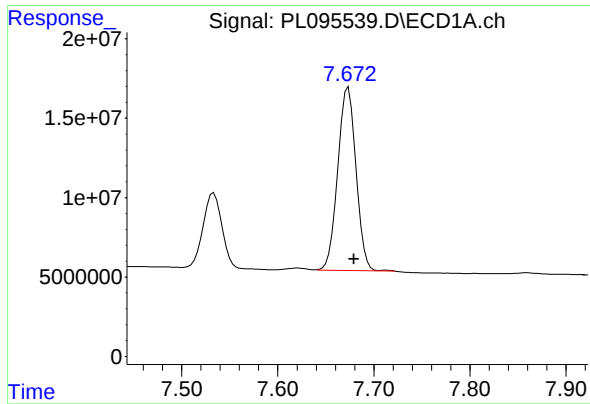
#20 Methoxychlor

R.T.: 7.533 min  
Delta R.T.: -0.006 min  
Response: 64119642  
Conc: 45.96 ng/ml



#20 Methoxychlor

R.T.: 6.769 min  
Delta R.T.: -0.005 min  
Response: 109435333  
Conc: 57.37 ng/ml m



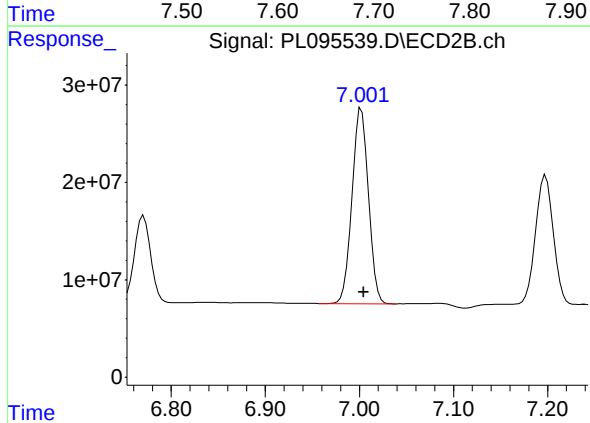
#21 Endrin ketone

R.T.: 7.673 min  
Delta R.T.: -0.006 min  
Response: 150113873  
Conc: 52.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

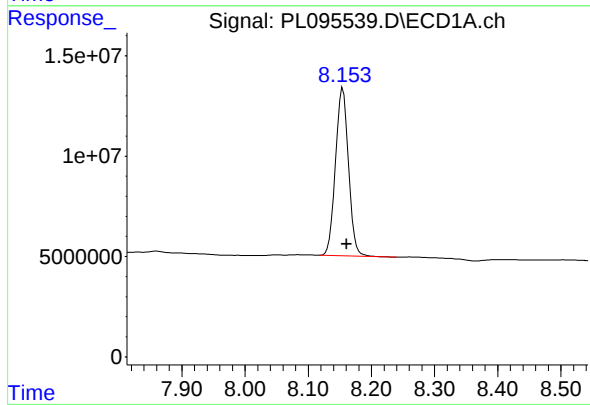
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/06/2025  
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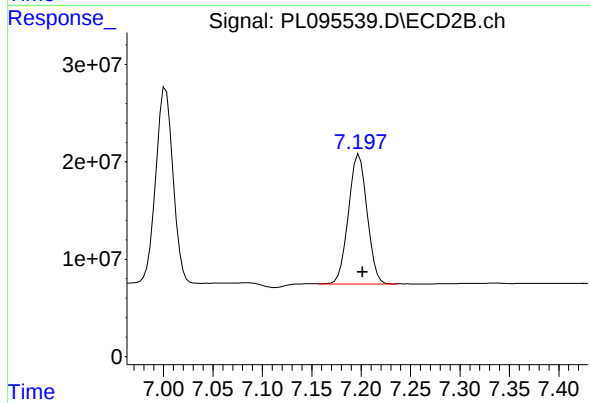
#21 Endrin ketone

R.T.: 7.002 min  
Delta R.T.: -0.002 min  
Response: 243699045  
Conc: 69.21 ng/ml



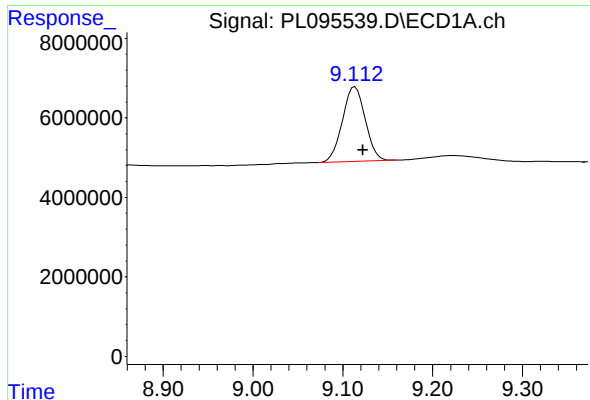
#22 Mirex

R.T.: 8.155 min  
Delta R.T.: -0.006 min  
Response: 119503663  
Conc: 50.30 ng/ml



#22 Mirex

R.T.: 7.197 min  
Delta R.T.: -0.005 min  
Response: 175294797  
Conc: 60.82 ng/ml m



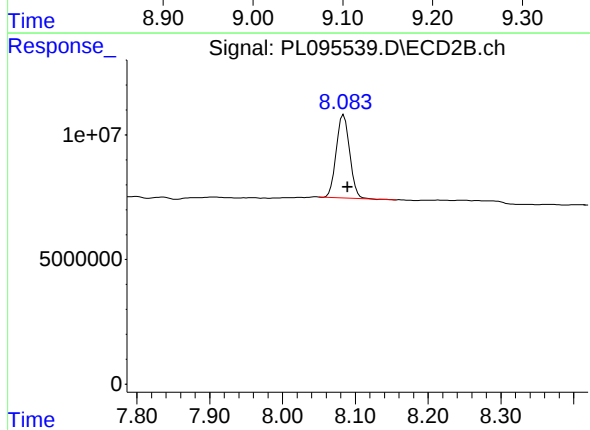
#28 Decachlorobiphenyl

R.T.: 9.114 min  
Delta R.T.: -0.009 min  
Response: 33057669  
Conc: 11.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SMALL-PILE-AMS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/06/2025  
Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.084 min  
Delta R.T.: -0.005 min  
Response: 42851827  
Conc: 14.48 ng/ml