

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102725\  
 Data File : PD090848.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 27 Oct 2025 17:26  
 Operator : AR\AJ  
 Sample : Q3451-01MS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 TP-11MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 28 01:10:14 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml  |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|--------|
| -----                       |                 |       |       |          |          |         |        |
| System Monitoring Compounds |                 |       |       |          |          |         |        |
| 1)                          | SA Tetrachlo... | 3.542 | 2.874 | 56837462 | 554.5E6  | 18.251m | 18.623 |
| 28)                         | SA Decachlor... | 9.062 | 8.058 | 73086064 | 453.7E6  | 15.623  | 14.977 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 346.8E6  | 2263.3E6 | 48.313  | 44.296 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.721 | 321.8E6  | 2082.3E6 | 47.336  | 44.071 |
| 4)                          | MA Heptachlor   | 4.921 | 4.073 | 317.7E6  | 2049.4E6 | 56.844  | 45.949 |
| 5)                          | MB Aldrin       | 5.263 | 4.358 | 312.9E6  | 2057.7E6 | 47.792  | 44.424 |
| 6)                          | B beta-BHC      | 4.511 | 4.017 | 124.2E6  | 876.2E6  | 47.424  | 44.187 |
| 7)                          | B delta-BHC     | 4.759 | 4.253 | 328.4E6  | 2115.7E6 | 48.561  | 44.340 |
| 8)                          | B Heptachlo...  | 5.683 | 4.862 | 279.4E6  | 1877.5E6 | 48.269  | 44.032 |
| 9)                          | A Endosulfan I  | 6.066 | 5.236 | 261.4E6  | 1755.1E6 | 47.219  | 44.557 |
| 10)                         | B gamma-Chl...  | 5.938 | 5.114 | 275.4E6  | 1990.2E6 | 46.440  | 44.278 |
| 11)                         | B alpha-Chl...  | 6.019 | 5.179 | 287.6E6  | 1918.5E6 | 46.543  | 44.473 |
| 12)                         | B 4,4'-DDE      | 6.188 | 5.363 | 249.5E6  | 1946.4E6 | 46.838  | 44.400 |
| 13)                         | MA Dieldrin     | 6.338 | 5.501 | 276.7E6  | 1966.8E6 | 47.444  | 44.513 |
| 14)                         | MA Endrin       | 6.566 | 5.778 | 230.4E6  | 1833.1E6 | 46.504  | 45.269 |
| 15)                         | B Endosulfa...  | 6.779 | 6.069 | 219.5E6  | 1675.4E6 | 43.895  | 44.610 |
| 16)                         | A 4,4'-DDD      | 6.698 | 5.918 | 198.5E6  | 1601.8E6 | 48.960  | 43.960 |
| 17)                         | MA 4,4'-DDT     | 7.014 | 6.172 | 187.3E6  | 1545.3E6 | 45.577  | 44.060 |
| 18)                         | B Endrin al...  | 6.908 | 6.248 | 167.5E6  | 1204.0E6 | 45.727  | 43.475 |
| 19)                         | B Endosulfa...  | 7.142 | 6.471 | 205.3E6  | 1540.7E6 | 44.273  | 42.981 |
| 20)                         | A Methoxychlor  | 7.487 | 6.742 | 95594339 | 749.4E6  | 44.973  | 43.000 |
| 21)                         | B Endrin ke...  | 7.624 | 6.980 | 220.6E6  | 1614.1E6 | 45.410  | 42.793 |
| 22)                         | Mirex           | 8.105 | 7.172 | 132.8E6  | 1025.0E6 | 41.480  | 39.898 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102725\  
Data File : PD090848.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 27 Oct 2025 17:26  
Operator : AR\AJ  
Sample : Q3451-01MS  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

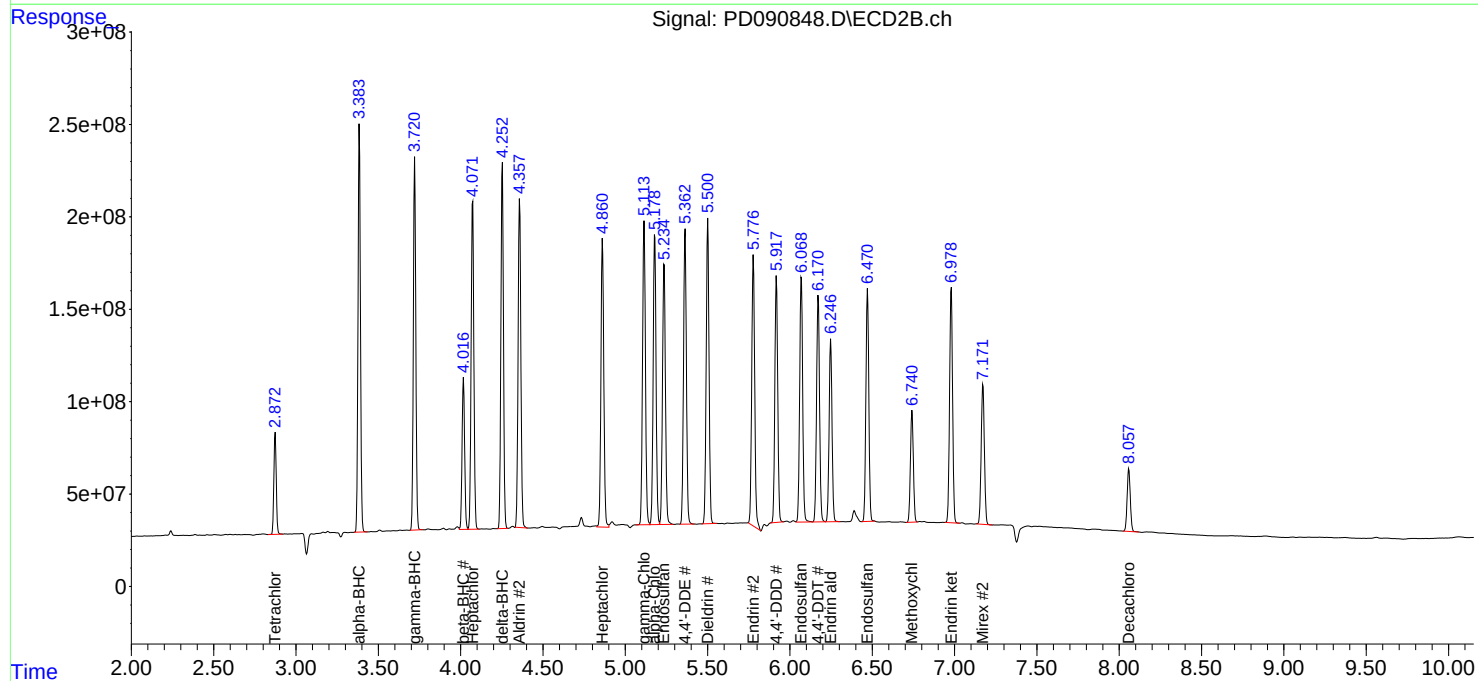
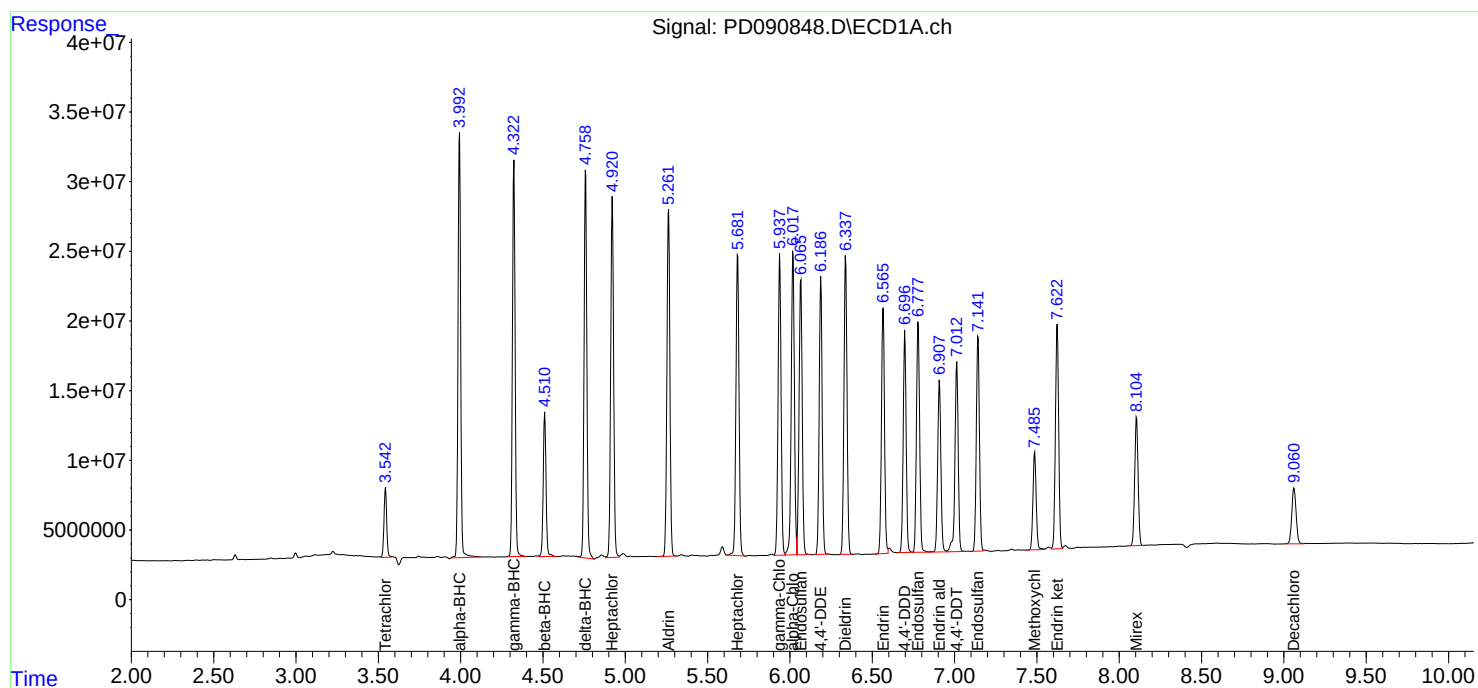
Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

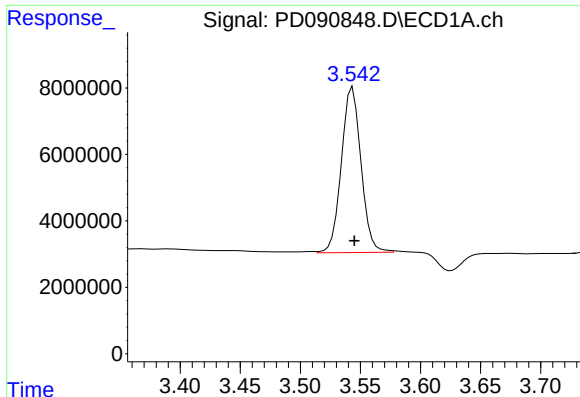
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 28 01:10:14 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm





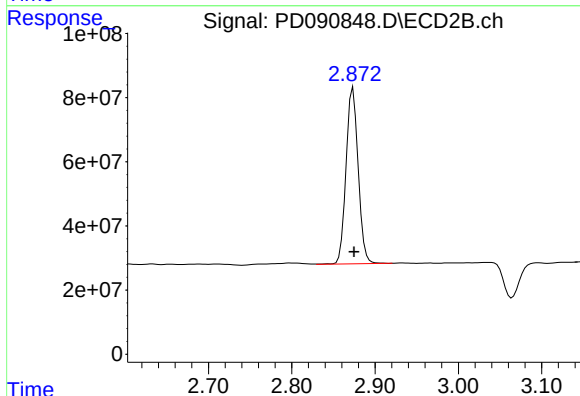
#1 Tetrachloro-m-xylene

R.T.: 3.542 min  
Delta R.T.: -0.003 min  
Response: 56837462  
Conc: 18.25 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

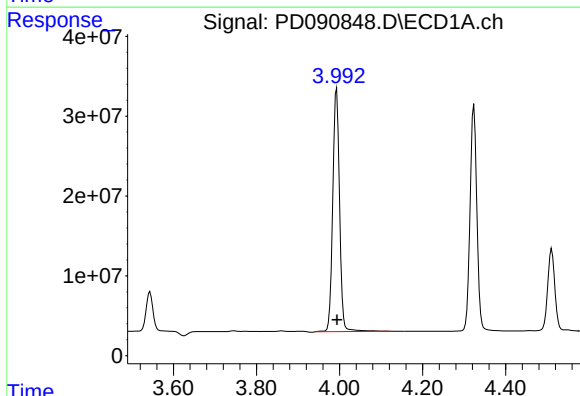
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



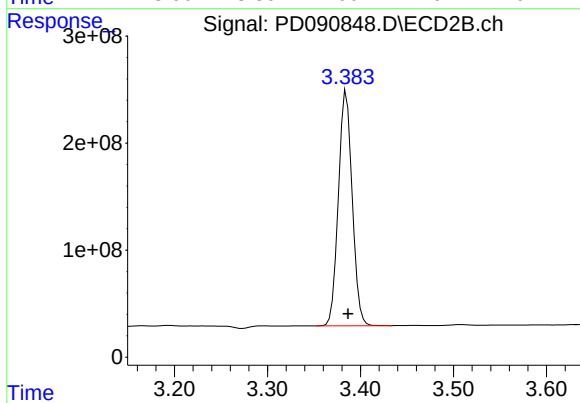
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: -0.001 min  
Response: 554549099  
Conc: 18.62 ng/ml



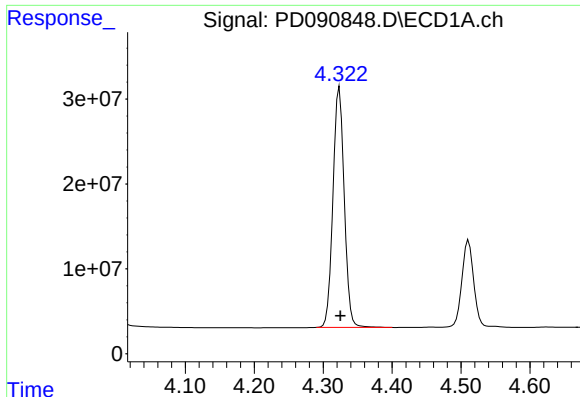
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 346751119  
Conc: 48.31 ng/ml



#2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.002 min  
Response: 2263329619  
Conc: 44.30 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: -0.001 min  
Response: 321829294  
Conc: 47.34 ng/ml

Instrument :

ECD\_D

ClientSampleId :

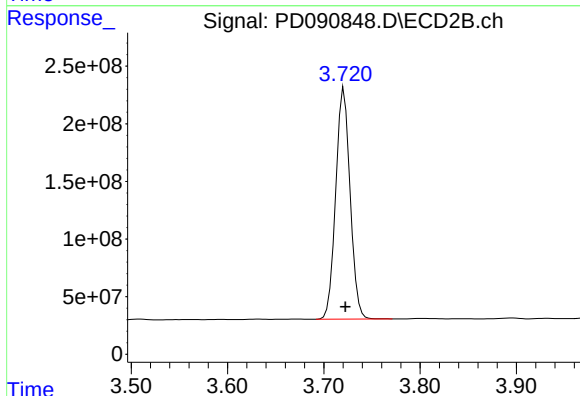
TP-11MS

Manual Integrations

APPROVED

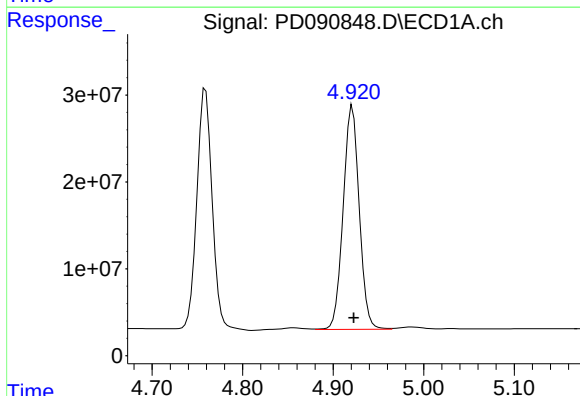
Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025



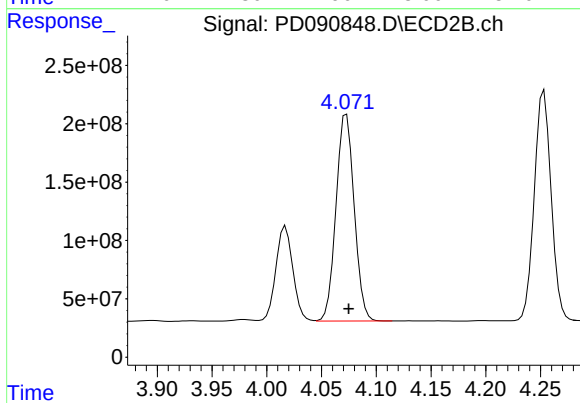
#3 gamma-BHC (Lindane)

R.T.: 3.721 min  
Delta R.T.: -0.002 min  
Response: 2082294161  
Conc: 44.07 ng/ml



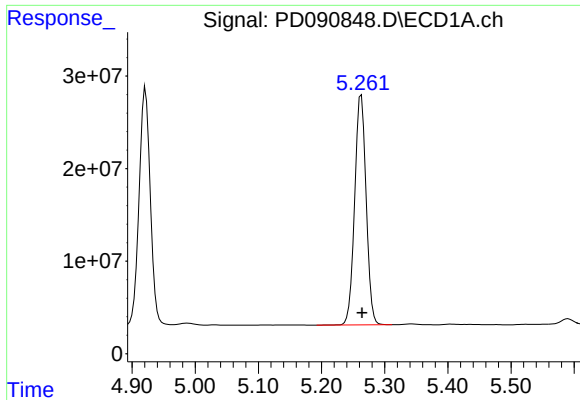
#4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: -0.001 min  
Response: 317731058  
Conc: 56.84 ng/ml



#4 Heptachlor

R.T.: 4.073 min  
Delta R.T.: -0.002 min  
Response: 2049446186  
Conc: 45.95 ng/ml



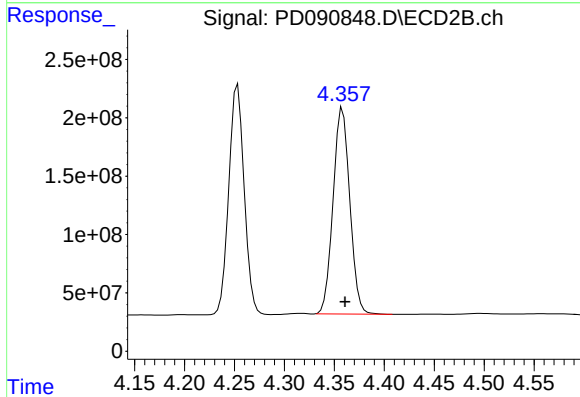
#5 Aldrin

R.T.: 5.263 min  
Delta R.T.: -0.001 min  
Response: 312908900  
Conc: 47.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

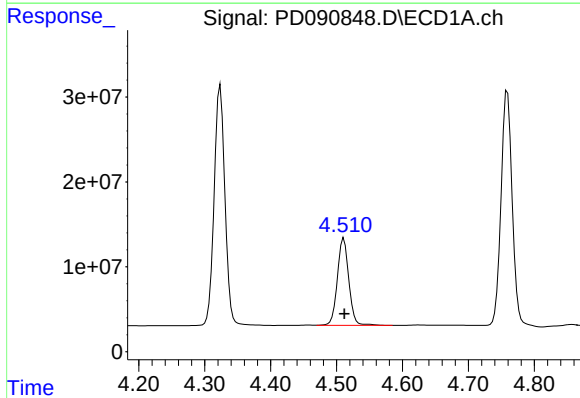
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



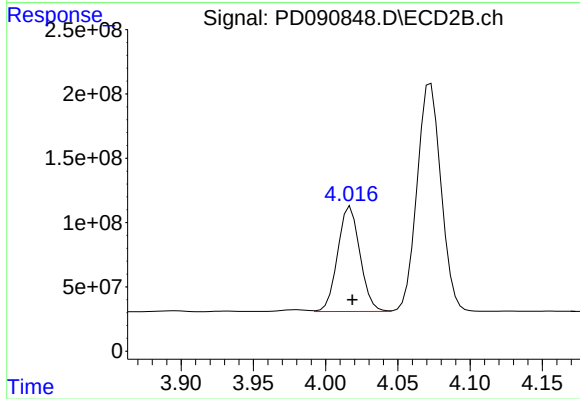
#5 Aldrin

R.T.: 4.358 min  
Delta R.T.: -0.002 min  
Response: 2057664192  
Conc: 44.42 ng/ml



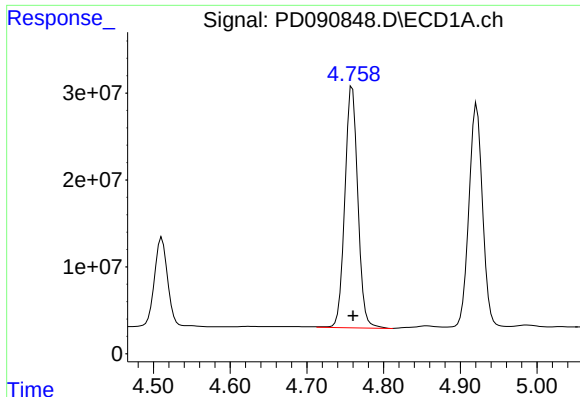
#6 beta-BHC

R.T.: 4.511 min  
Delta R.T.: -0.001 min  
Response: 124233545  
Conc: 47.42 ng/ml



#6 beta-BHC

R.T.: 4.017 min  
Delta R.T.: -0.001 min  
Response: 876203604  
Conc: 44.19 ng/ml



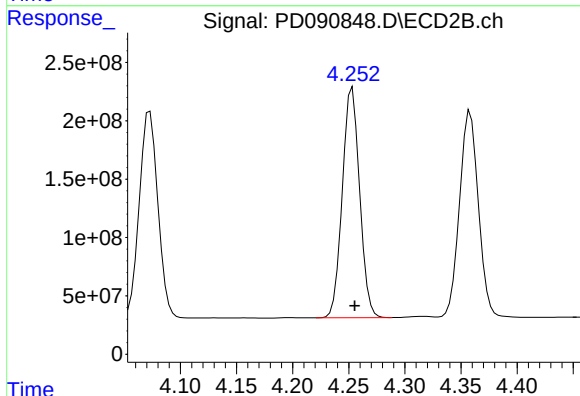
#7 delta-BHC

R.T.: 4.759 min  
Delta R.T.: -0.001 min  
Response: 328355646  
Conc: 48.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

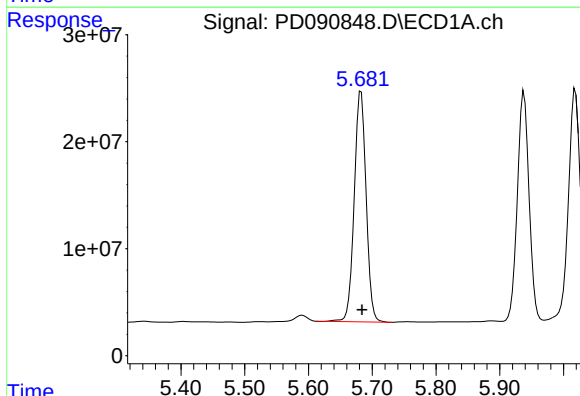
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



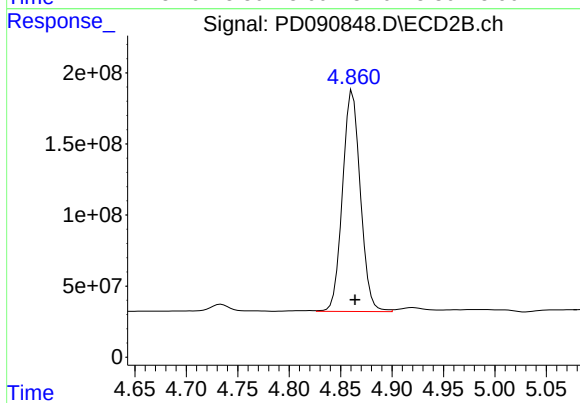
#7 delta-BHC

R.T.: 4.253 min  
Delta R.T.: -0.002 min  
Response: 2115739633  
Conc: 44.34 ng/ml



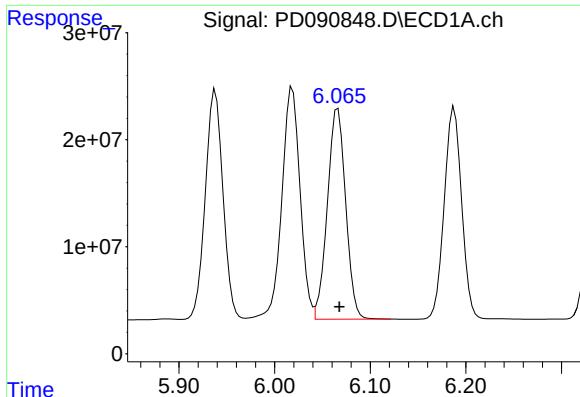
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: -0.002 min  
Response: 279429518  
Conc: 48.27 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min  
Delta R.T.: -0.003 min  
Response: 1877471221  
Conc: 44.03 ng/ml



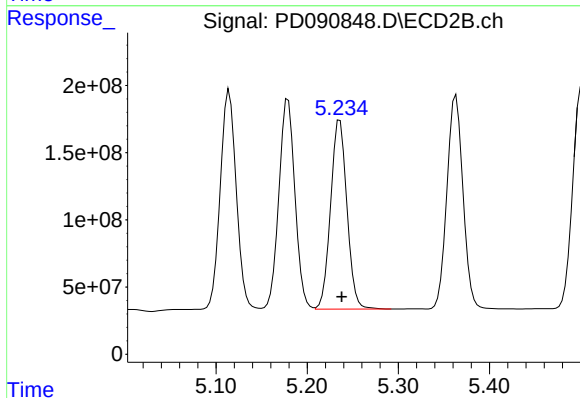
# #9 Endosulfan I

R.T.: 6.066 min  
Delta R.T.: -0.002 min  
Response: 261436413  
Conc: 47.22 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

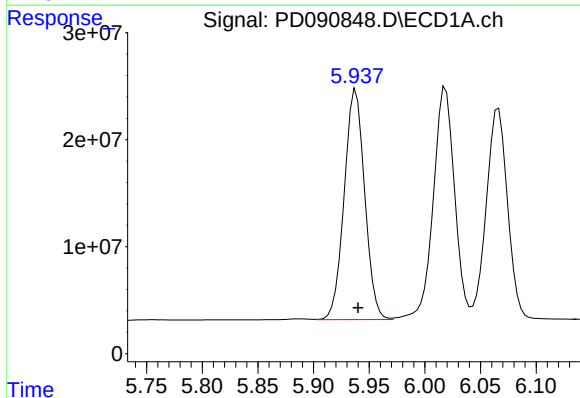
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



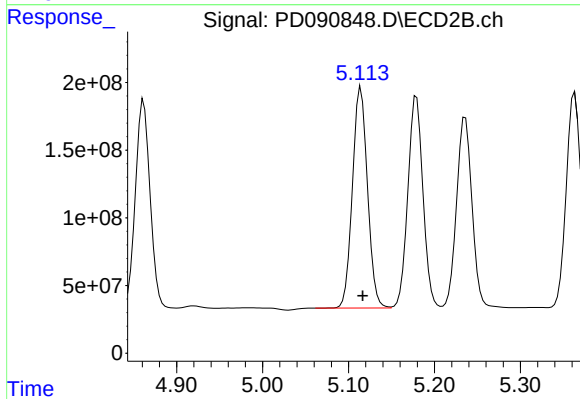
# #9 Endosulfan I

R.T.: 5.236 min  
Delta R.T.: -0.002 min  
Response: 1755130350  
Conc: 44.56 ng/ml



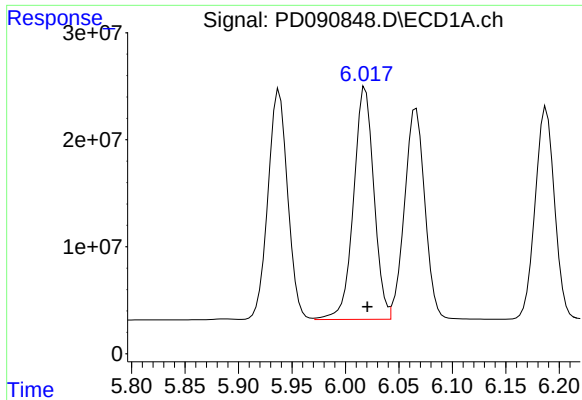
# #10 gamma-Chlordane

R.T.: 5.938 min  
Delta R.T.: -0.002 min  
Response: 275442266  
Conc: 46.44 ng/ml



# #10 gamma-Chlordane

R.T.: 5.114 min  
Delta R.T.: -0.002 min  
Response: 1990228812  
Conc: 44.28 ng/ml



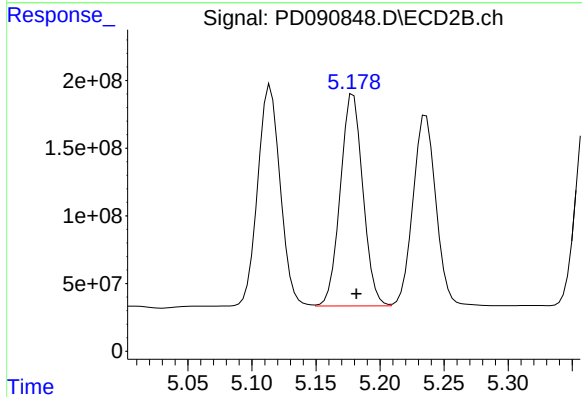
#11 alpha-Chlordane

R.T.: 6.019 min  
Delta R.T.: -0.002 min  
Response: 287649559  
Conc: 46.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

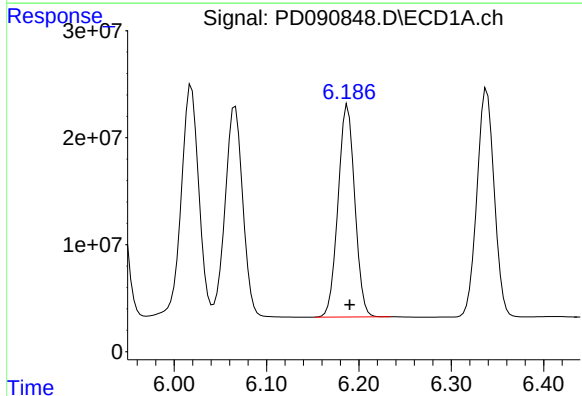
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



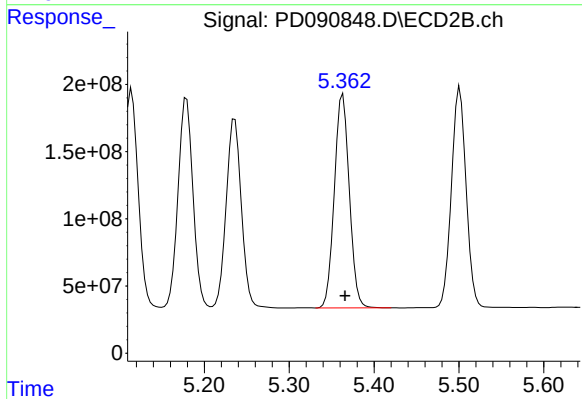
#11 alpha-Chlordane

R.T.: 5.179 min  
Delta R.T.: -0.002 min  
Response: 1918483069  
Conc: 44.47 ng/ml



#12 4,4'-DDE

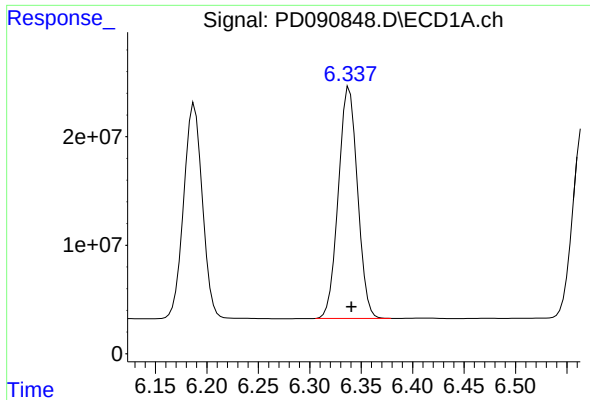
R.T.: 6.188 min  
Delta R.T.: -0.002 min  
Response: 249486961  
Conc: 46.84 ng/ml



#12 4,4'-DDE

R.T.: 5.363 min  
Delta R.T.: -0.003 min  
Response: 1946426906  
Conc: 44.40 ng/ml





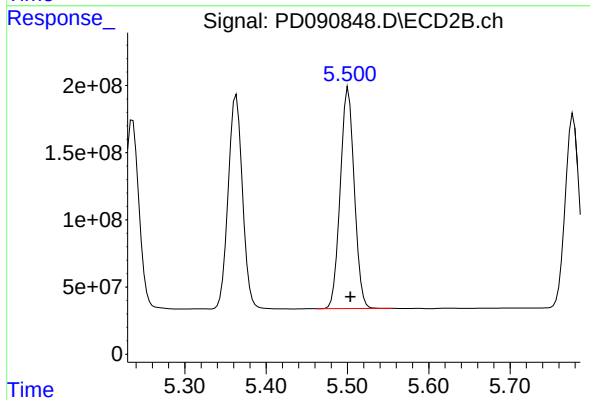
#13 Dieldrin

R.T.: 6.338 min  
Delta R.T.: -0.002 min  
Response: 276665119  
Conc: 47.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

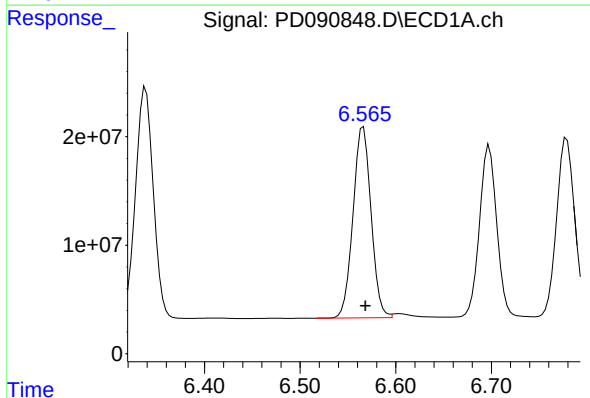
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



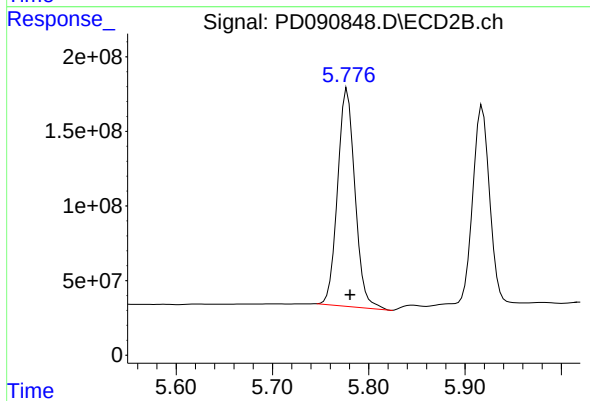
#13 Dieldrin

R.T.: 5.501 min  
Delta R.T.: -0.003 min  
Response: 1966757899  
Conc: 44.51 ng/ml



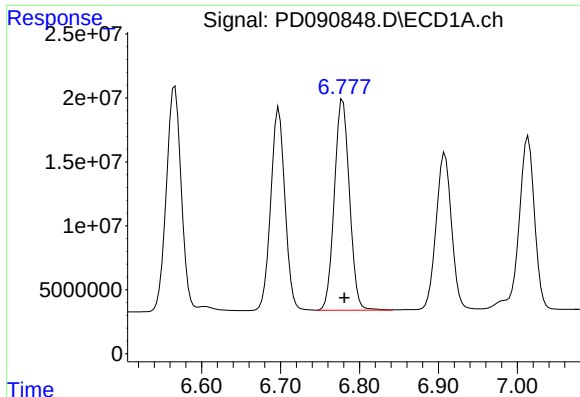
#14 Endrin

R.T.: 6.566 min  
Delta R.T.: -0.002 min  
Response: 230368122  
Conc: 46.50 ng/ml



#14 Endrin

R.T.: 5.778 min  
Delta R.T.: -0.003 min  
Response: 1833101712  
Conc: 45.27 ng/ml



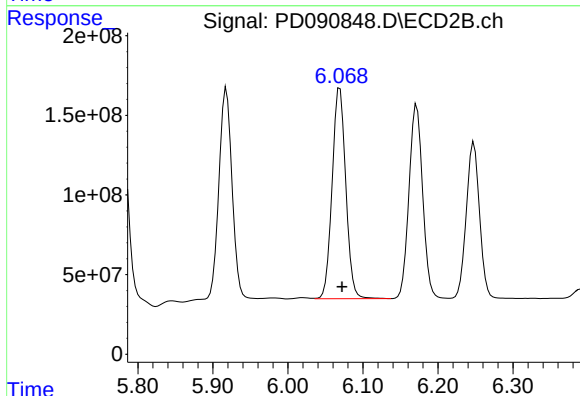
#15 Endosulfan II

R.T.: 6.779 min  
Delta R.T.: -0.002 min  
Response: 219471681  
Conc: 43.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

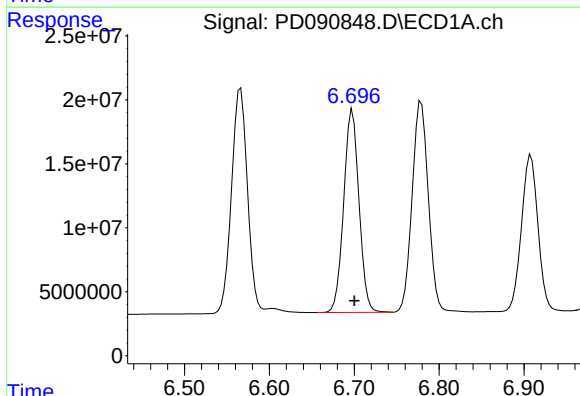
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



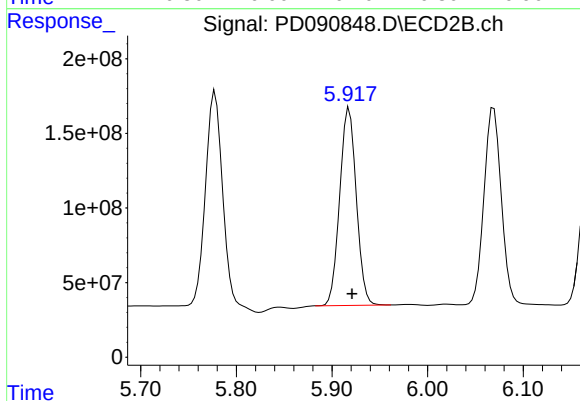
#15 Endosulfan II

R.T.: 6.069 min  
Delta R.T.: -0.003 min  
Response: 1675358506  
Conc: 44.61 ng/ml



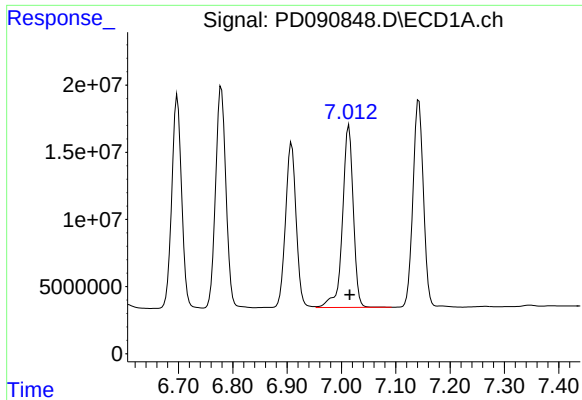
#16 4,4'-DDD

R.T.: 6.698 min  
Delta R.T.: -0.002 min  
Response: 198492884  
Conc: 48.96 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min  
Delta R.T.: -0.003 min  
Response: 1601807784  
Conc: 43.96 ng/ml



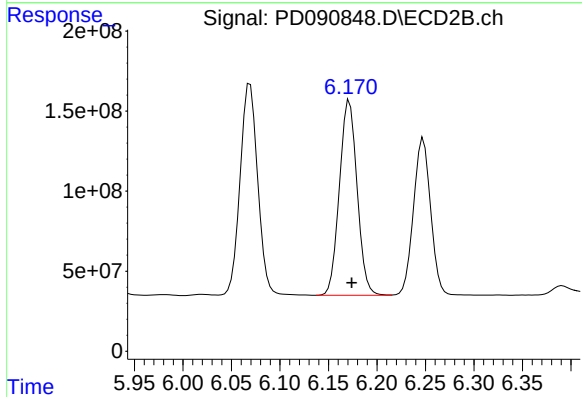
#17 4,4'-DDT

R.T.: 7.014 min  
Delta R.T.: -0.001 min  
Response: 187343244  
Conc: 45.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

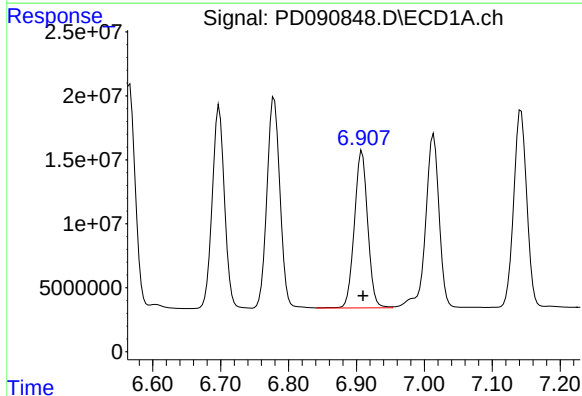
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



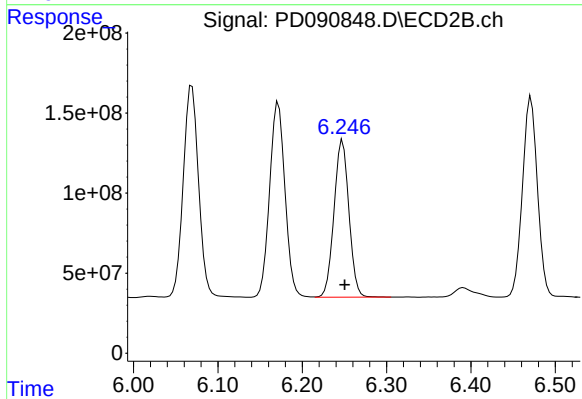
#17 4,4'-DDT

R.T.: 6.172 min  
Delta R.T.: -0.002 min  
Response: 1545329317  
Conc: 44.06 ng/ml



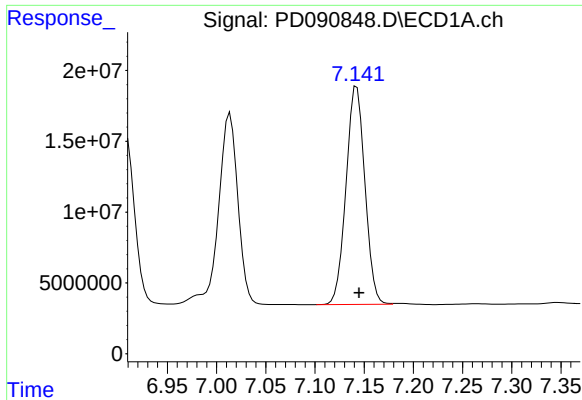
#18 Endrin aldehyde

R.T.: 6.908 min  
Delta R.T.: -0.002 min  
Response: 167485193  
Conc: 45.73 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min  
Delta R.T.: -0.003 min  
Response: 1203955969  
Conc: 43.48 ng/ml



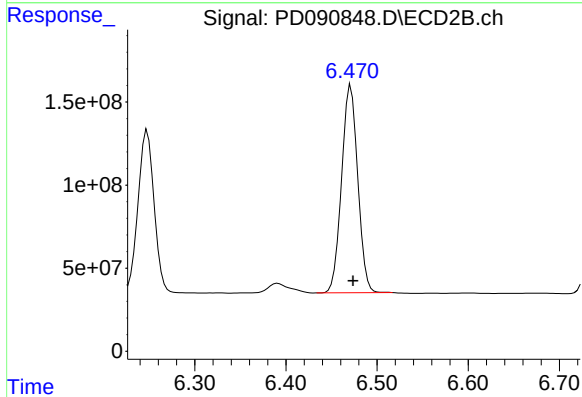
#19 Endosulfan Sulfate

R.T.: 7.142 min  
Delta R.T.: -0.002 min  
Response: 205348668  
Conc: 44.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

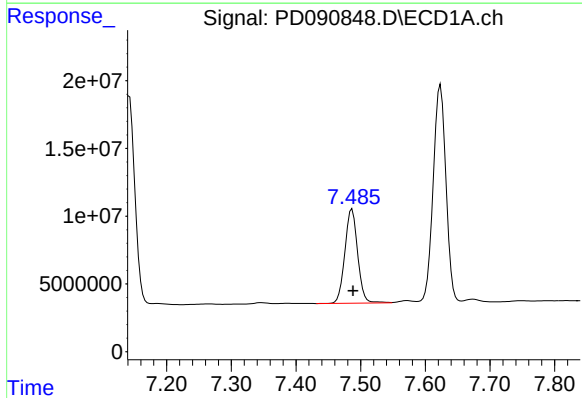
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



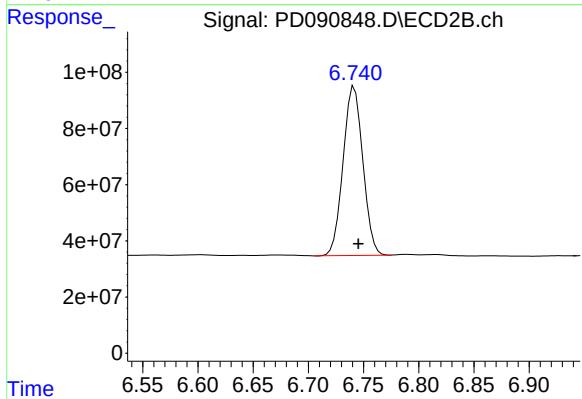
#19 Endosulfan Sulfate

R.T.: 6.471 min  
Delta R.T.: -0.003 min  
Response: 1540666206  
Conc: 42.98 ng/ml



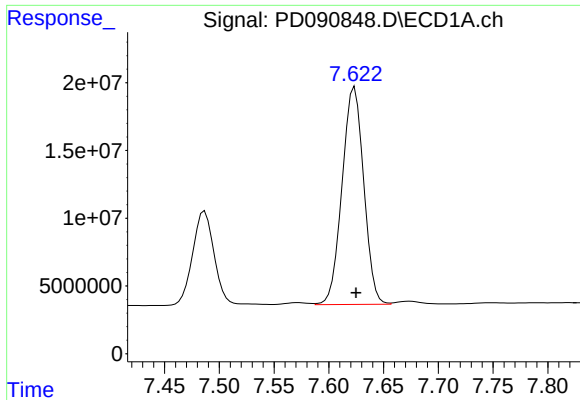
#20 Methoxychlor

R.T.: 7.487 min  
Delta R.T.: -0.002 min  
Response: 95594339  
Conc: 44.97 ng/ml



#20 Methoxychlor

R.T.: 6.742 min  
Delta R.T.: -0.004 min  
Response: 749402331  
Conc: 43.00 ng/ml



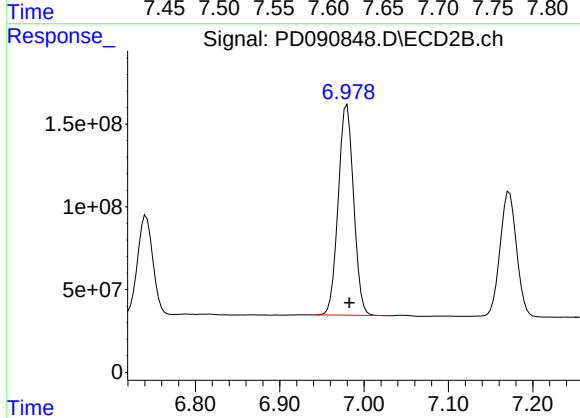
#21 Endrin ketone

R.T.: 7.624 min  
Delta R.T.: -0.001 min  
Response: 220639930  
Conc: 45.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

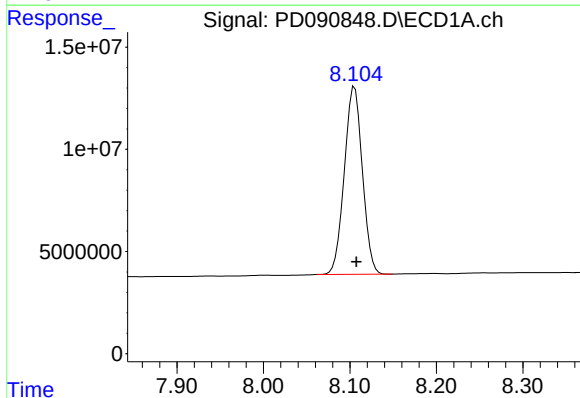
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



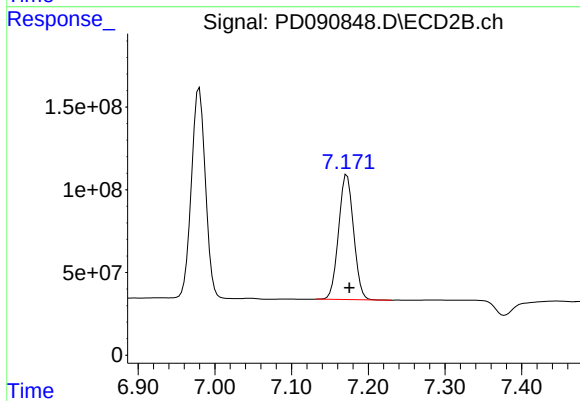
#21 Endrin ketone

R.T.: 6.980 min  
Delta R.T.: -0.003 min  
Response: 1614056481  
Conc: 42.79 ng/ml



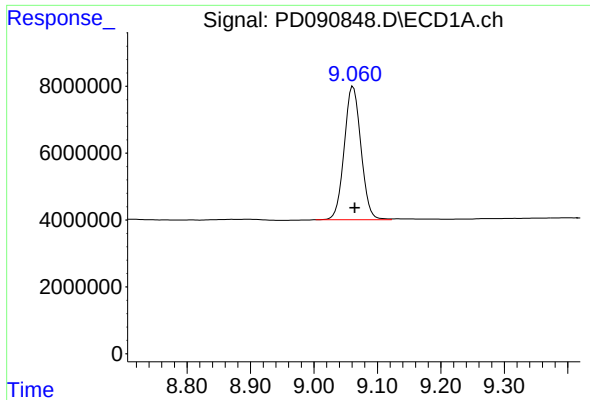
#22 Mirex

R.T.: 8.105 min  
Delta R.T.: -0.002 min  
Response: 132770183  
Conc: 41.48 ng/ml



#22 Mirex

R.T.: 7.172 min  
Delta R.T.: -0.003 min  
Response: 1025006593  
Conc: 39.90 ng/ml



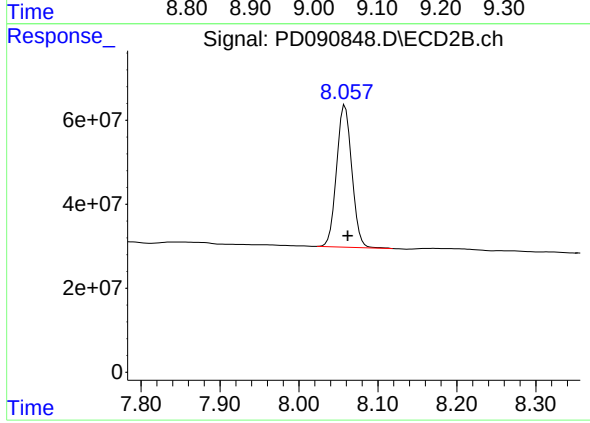
#28 Decachlorobiphenyl

R.T.: 9.062 min  
Delta R.T.: -0.003 min  
Response: 73086064  
Conc: 15.62 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-11MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/28/2025  
Supervised By :mohammad ahmed 10/29/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min  
Delta R.T.: -0.003 min  
Response: 453664035  
Conc: 14.98 ng/ml