

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD100625\  
 Data File : PD090525.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Oct 2025 15:04  
 Operator : AR\AJ  
 Sample : Q3289-05MS  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 72-11966MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
 Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 07 03:22:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD091825.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Sep 19 05:52:38 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... | 3.544 | 2.874 | 56602940 | 511.7E6  | 17.414m | 18.640m |
| 28)                         | SA Decachlor... | 9.063 | 8.061 | 66018720 | 392.9E6  | 13.682  | 12.121  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.995 | 3.387 | 300.1E6  | 1886.1E6 | 42.961  | 43.078  |
| 3)                          | MA gamma-BHC... | 4.324 | 3.723 | 279.0E6  | 1727.5E6 | 42.163m | 42.409  |
| 4)                          | MA Heptachlor   | 4.923 | 4.075 | 279.9E6  | 1694.9E6 | 42.333  | 41.626  |
| 5)                          | MB Aldrin       | 5.264 | 4.361 | 276.3E6  | 1697.0E6 | 43.507  | 42.493  |
| 6)                          | B beta-BHC      | 4.512 | 4.019 | 105.0E6  | 735.6E6  | 40.700  | 42.433  |
| 7)                          | B delta-BHC     | 4.759 | 4.255 | 275.9E6  | 1714.8E6 | 42.725m | 41.526  |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 255.8E6  | 1640.9E6 | 44.767  | 44.510  |
| 9)                          | A Endosulfan I  | 6.066 | 5.238 | 214.5E6  | 1393.5E6 | 39.717m | 40.268  |
| 10)                         | B gamma-Chl...  | 5.940 | 5.117 | 282.1E6  | 2166.0E6 | 49.395  | 55.134  |
| 11)                         | B alpha-Chl...  | 6.019 | 5.181 | 333.8E6  | 1924.7E6 | 57.943m | 51.100  |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 209.4E6  | 1577.9E6 | 40.210  | 41.221  |
| 13)                         | MA Dieldrin     | 6.340 | 5.503 | 228.7E6  | 1561.6E6 | 39.680  | 40.097  |
| 14)                         | MA Endrin       | 6.568 | 5.781 | 197.2E6  | 1401.0E6 | 40.302  | 39.099  |
| 15)                         | B Endosulfa...  | 6.780 | 6.072 | 191.8E6  | 1379.0E6 | 39.318  | 40.859  |
| 16)                         | A 4,4'-DDD      | 6.699 | 5.920 | 170.7E6  | 1145.8E6 | 41.659  | 35.334  |
| 17)                         | MA 4,4'-DDT     | 7.014 | 6.174 | 173.8E6  | 1276.8E6 | 39.024  | 37.138  |
| 18)                         | B Endrin al...  | 6.908 | 6.249 | 140.2E6  | 903.7E6  | 40.854  | 38.380  |
| 19)                         | B Endosulfa...  | 7.143 | 6.473 | 167.5E6  | 1173.2E6 | 36.410  | 35.889  |
| 20)                         | A Methoxychlor  | 7.487 | 6.745 | 90624890 | 595.2E6  | 38.457  | 34.207  |
| 21)                         | B Endrin ke...  | 7.622 | 6.982 | 183.1E6  | 1194.2E6 | 37.014m | 33.076  |
| 22)                         | Mirex           | 8.105 | 7.175 | 140.8E6  | 886.5E6  | 38.000m | 32.112  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD100625\  
Data File : PD090525.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 06 Oct 2025 15:04  
Operator : AR\AJ  
Sample : Q3289-05MS  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

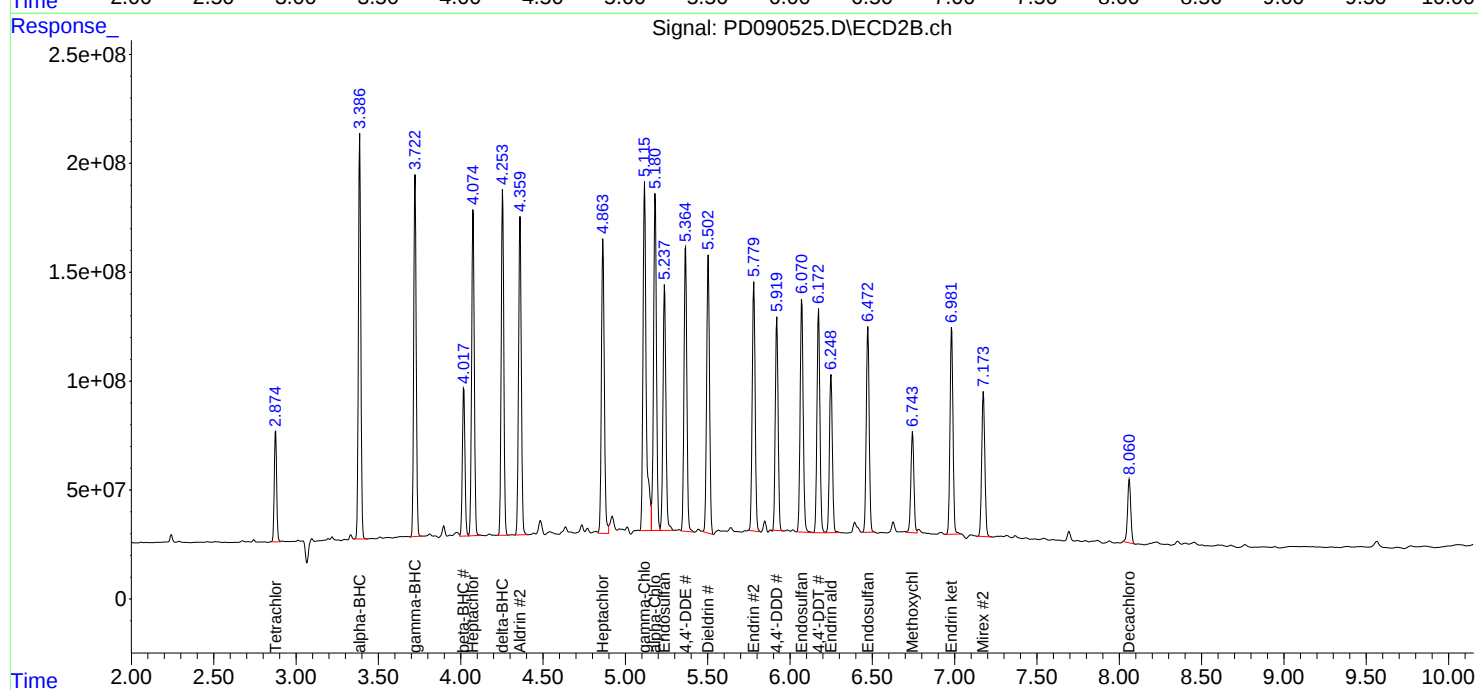
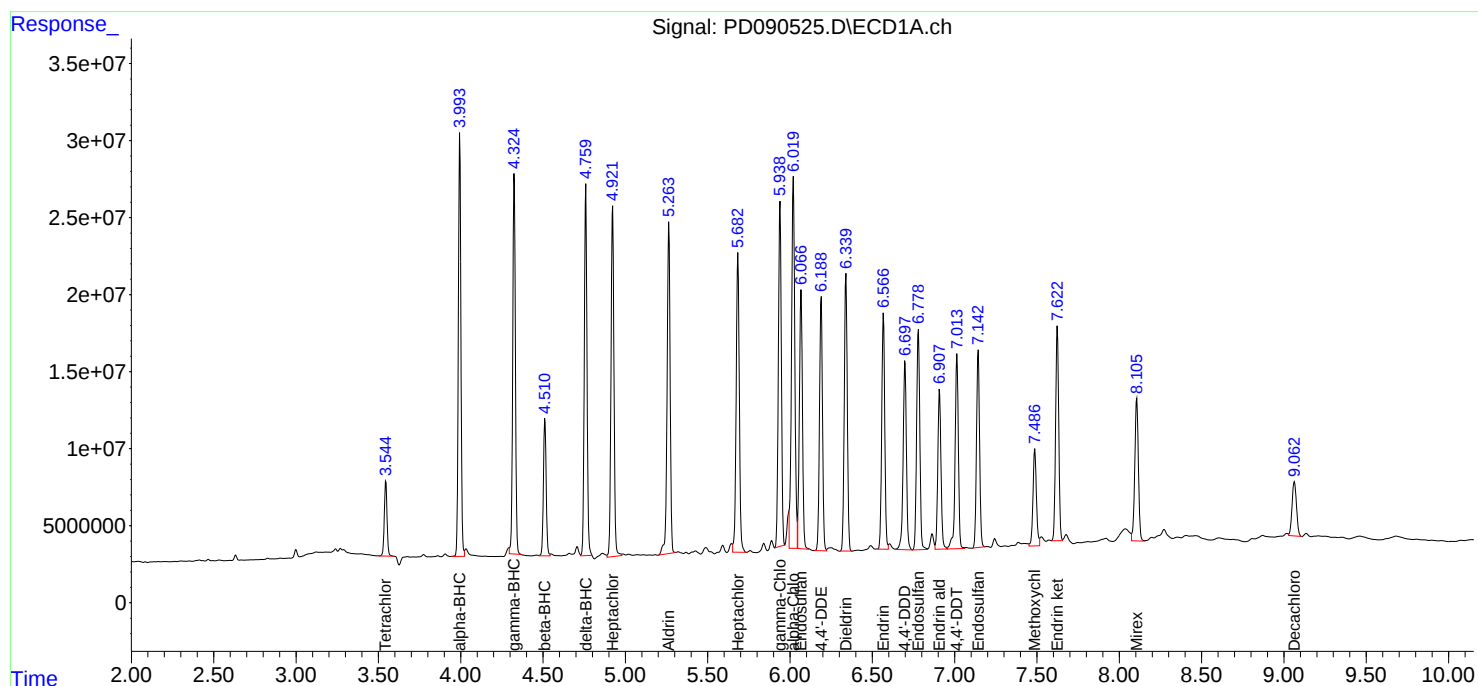
Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

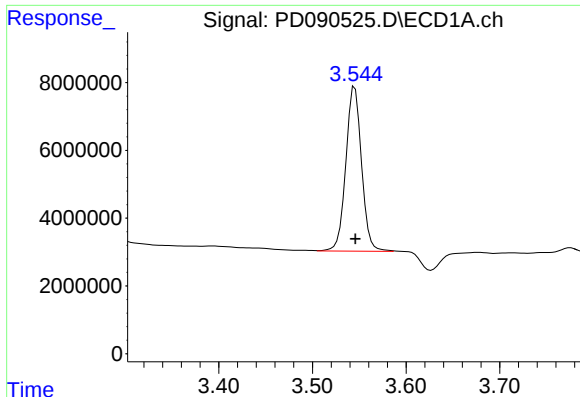
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 07 03:22:17 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD091825.M  
Quant Title : GC Extractables  
QLast Update : Fri Sep 19 05:52:38 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





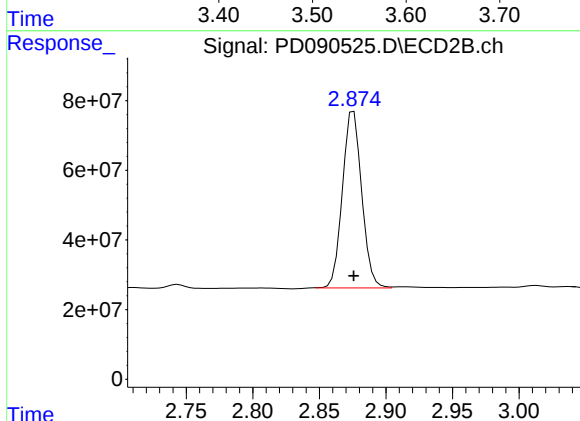
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: -0.002 min  
Response: 56602940  
Conc: 17.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

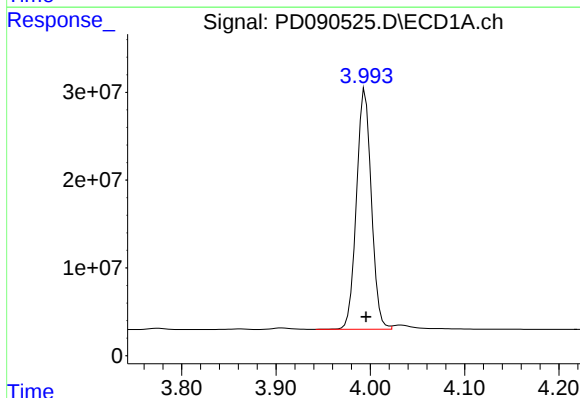
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



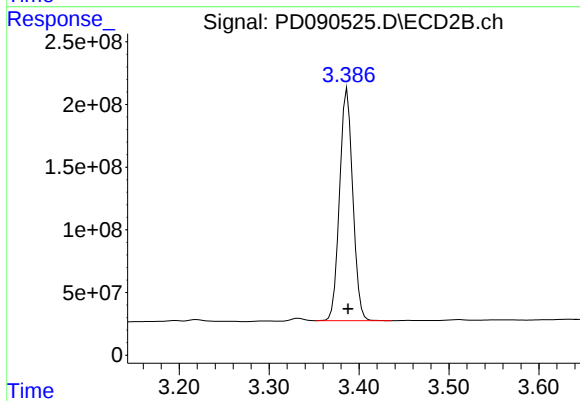
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: -0.002 min  
Response: 511665890  
Conc: 18.64 ng/ml m



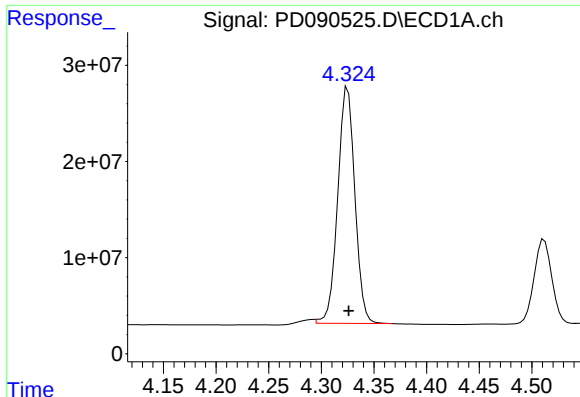
#2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 300060665  
Conc: 42.96 ng/ml



#2 alpha-BHC

R.T.: 3.387 min  
Delta R.T.: 0.000 min  
Response: 1886078658  
Conc: 43.08 ng/ml



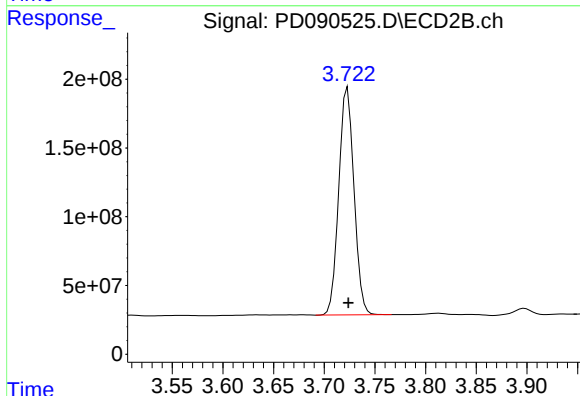
#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: -0.002 min  
Response: 278985123  
Conc: 42.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

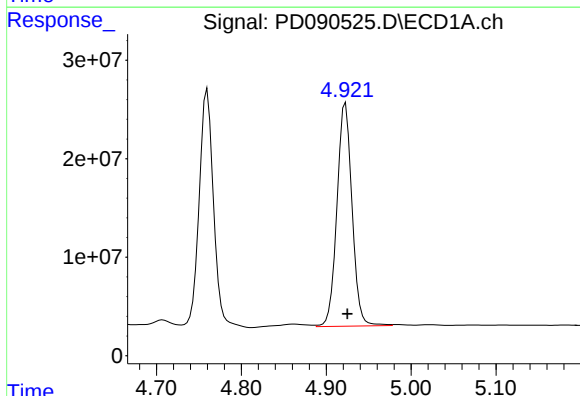
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



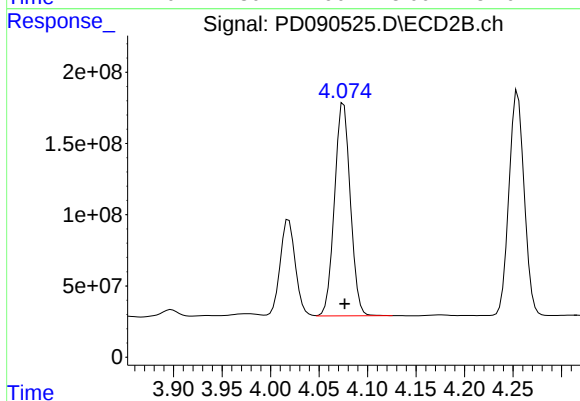
#3 gamma-BHC (Lindane)

R.T.: 3.723 min  
Delta R.T.: 0.000 min  
Response: 1727538751  
Conc: 42.41 ng/ml



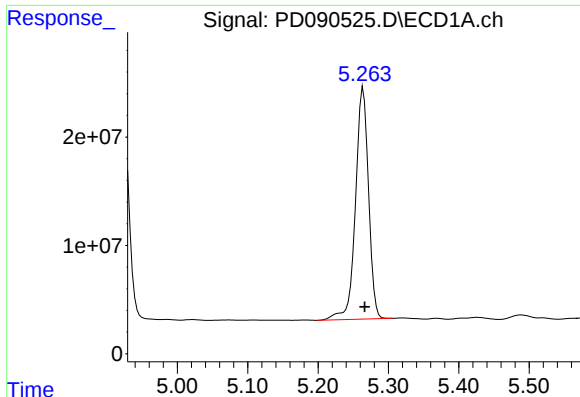
#4 Heptachlor

R.T.: 4.923 min  
Delta R.T.: -0.002 min  
Response: 279932762  
Conc: 42.33 ng/ml



#4 Heptachlor

R.T.: 4.075 min  
Delta R.T.: 0.000 min  
Response: 1694879451  
Conc: 41.63 ng/ml



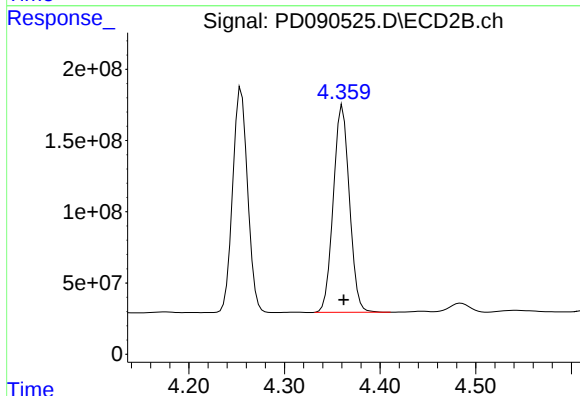
#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: -0.002 min  
Response: 276268708  
Conc: 43.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

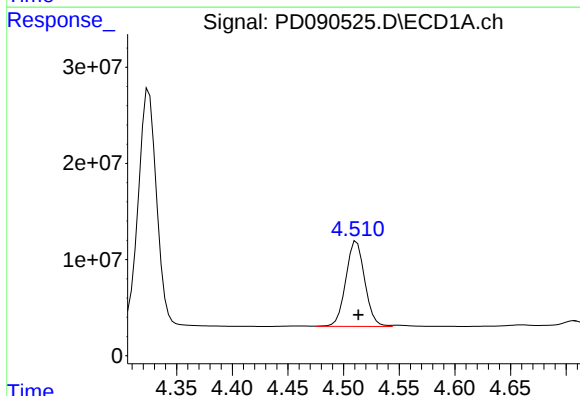
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



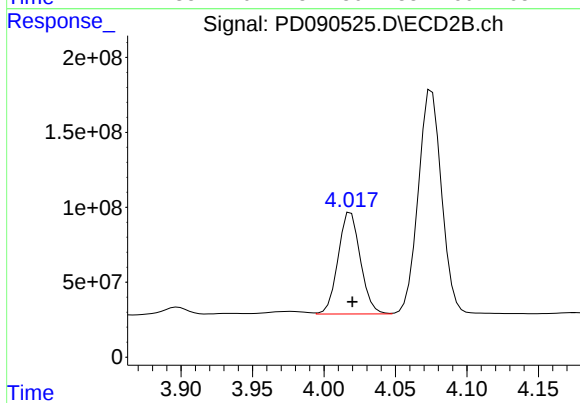
#5 Aldrin

R.T.: 4.361 min  
Delta R.T.: -0.001 min  
Response: 1696968302  
Conc: 42.49 ng/ml



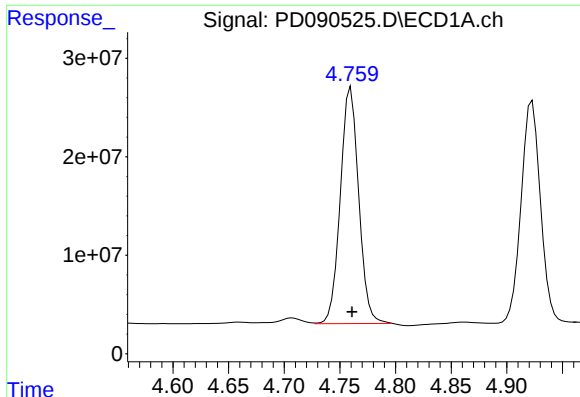
#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: -0.002 min  
Response: 105003760  
Conc: 40.70 ng/ml



#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 735594902  
Conc: 42.43 ng/ml



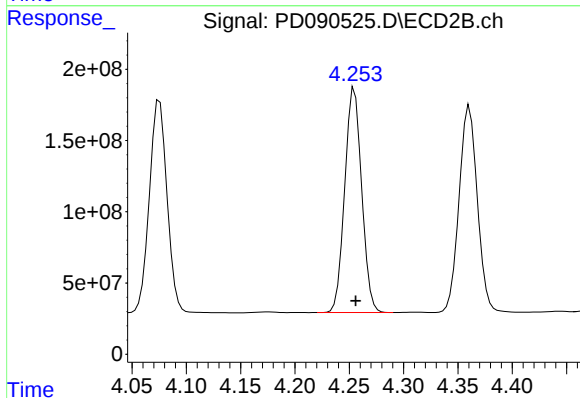
#7 delta-BHC

R.T.: 4.759 min  
Delta R.T.: -0.003 min  
Response: 275896237  
Conc: 42.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

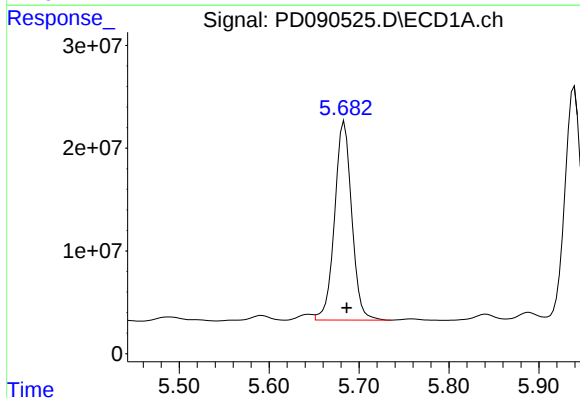
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



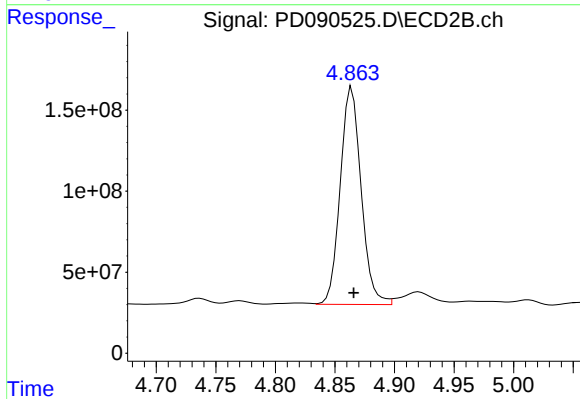
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: -0.001 min  
Response: 1714811364  
Conc: 41.53 ng/ml



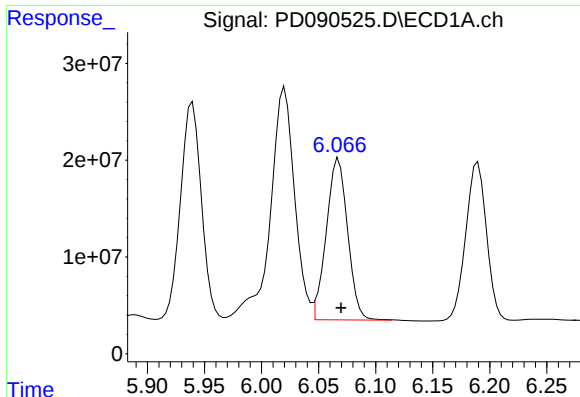
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: -0.003 min  
Response: 255837749  
Conc: 44.77 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: -0.002 min  
Response: 1640859287  
Conc: 44.51 ng/ml



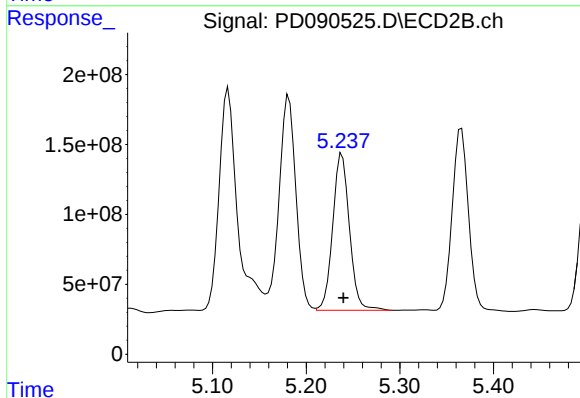
#9 Endosulfan I

R.T.: 6.066 min  
Delta R.T.: -0.003 min  
Response: 214529235  
Conc: 39.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

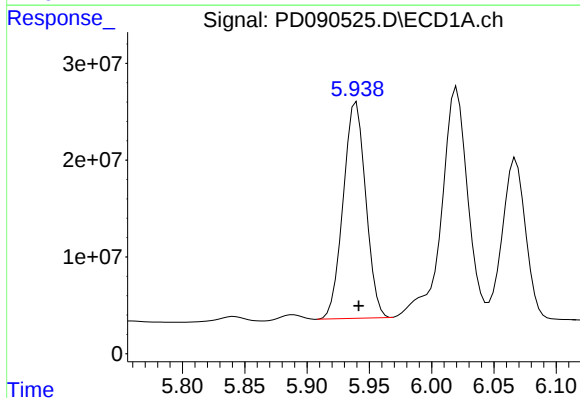
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



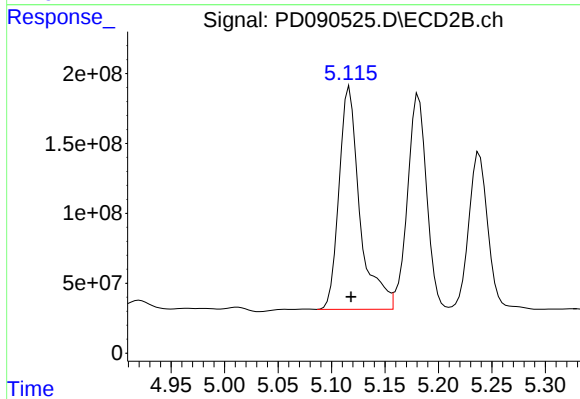
#9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: -0.002 min  
Response: 1393474759  
Conc: 40.27 ng/ml



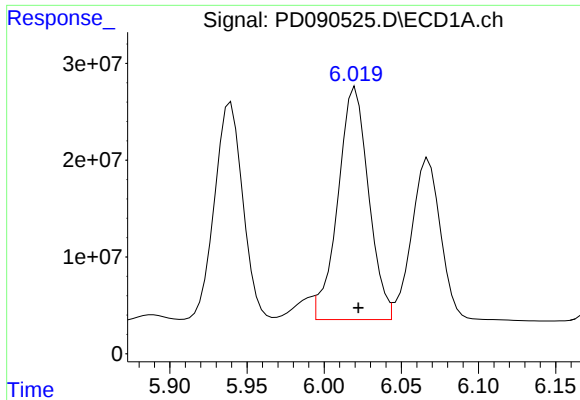
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: -0.002 min  
Response: 282139383  
Conc: 49.39 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min  
Delta R.T.: -0.002 min  
Response: 2166007376  
Conc: 55.13 ng/ml



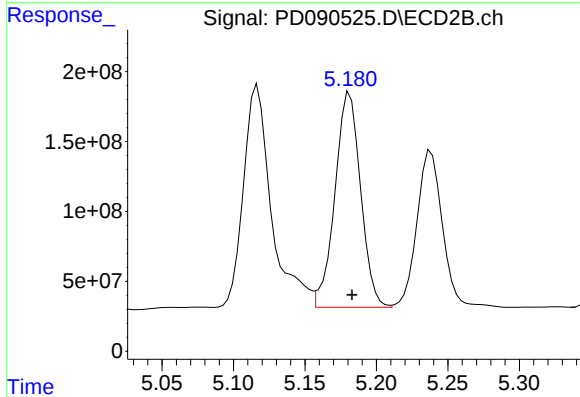
#11 alpha-Chlordane

R.T.: 6.019 min  
Delta R.T.: -0.003 min  
Response: 333801614  
Conc: 57.94 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

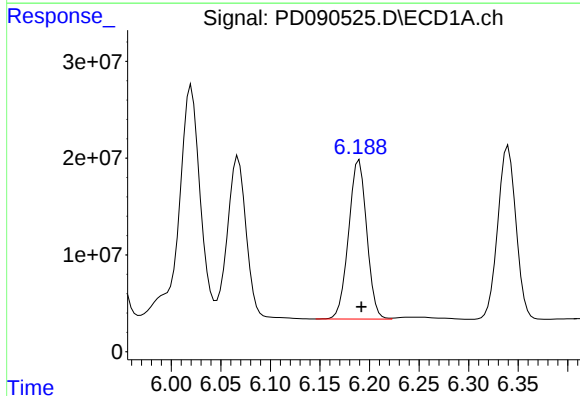
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



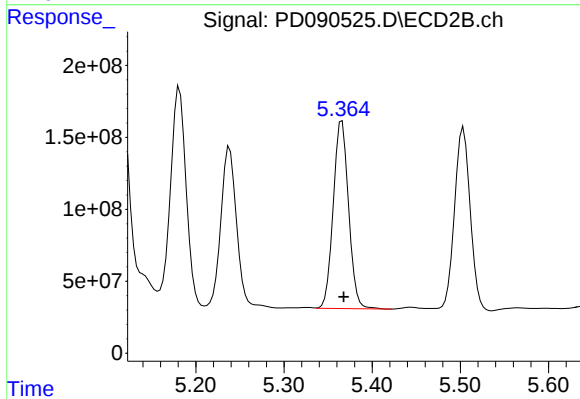
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: -0.001 min  
Response: 1924694374  
Conc: 51.10 ng/ml



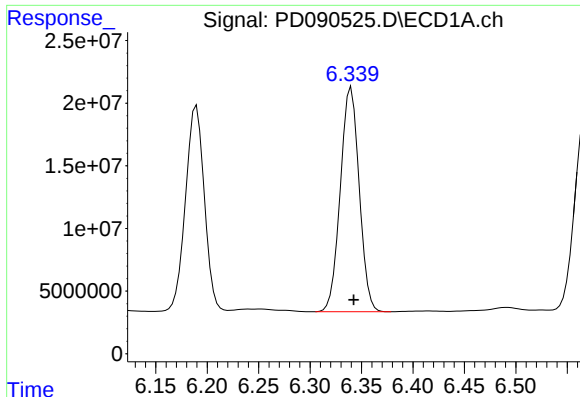
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: -0.002 min  
Response: 209395809  
Conc: 40.21 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min  
Delta R.T.: -0.002 min  
Response: 1577913898  
Conc: 41.22 ng/ml



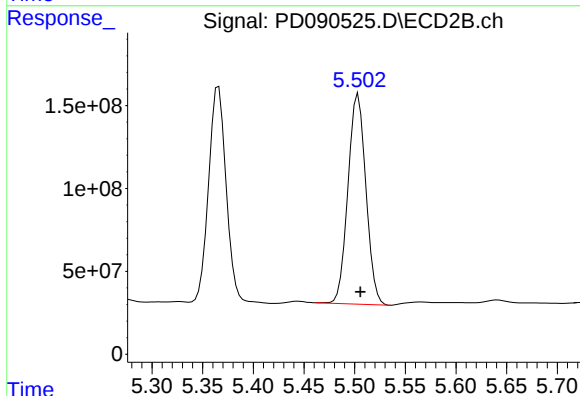
#13 Dieldrin

R.T.: 6.340 min  
Delta R.T.: -0.003 min  
Response: 228742720  
Conc: 39.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

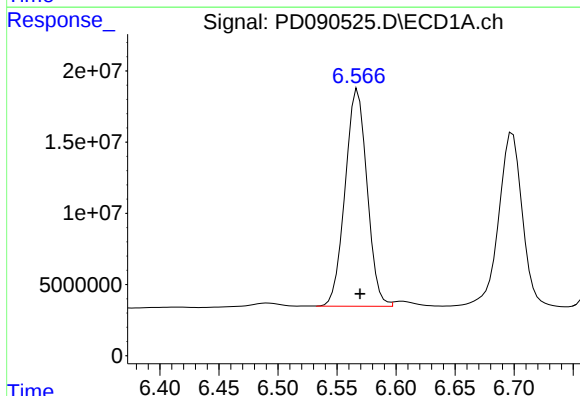
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



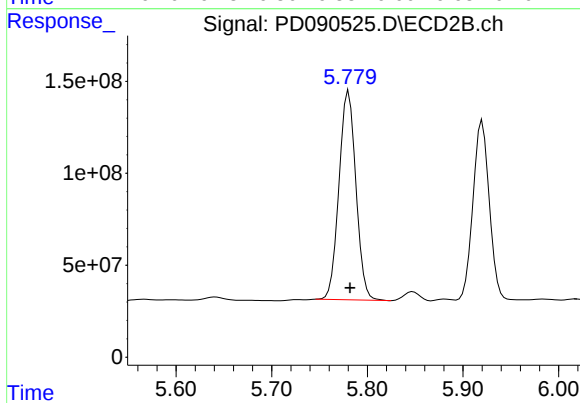
#13 Dieldrin

R.T.: 5.503 min  
Delta R.T.: -0.002 min  
Response: 1561604649  
Conc: 40.10 ng/ml



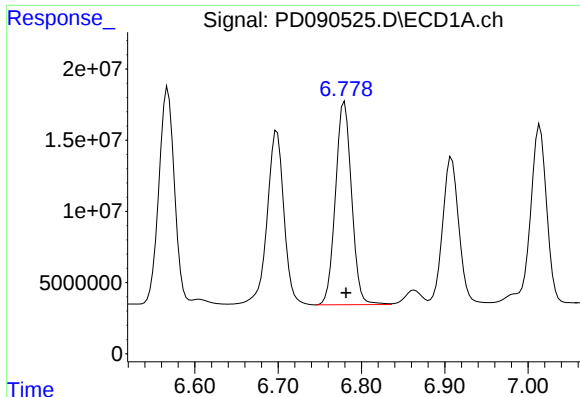
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: -0.002 min  
Response: 197234403  
Conc: 40.30 ng/ml



#14 Endrin

R.T.: 5.781 min  
Delta R.T.: -0.002 min  
Response: 1401002567  
Conc: 39.10 ng/ml



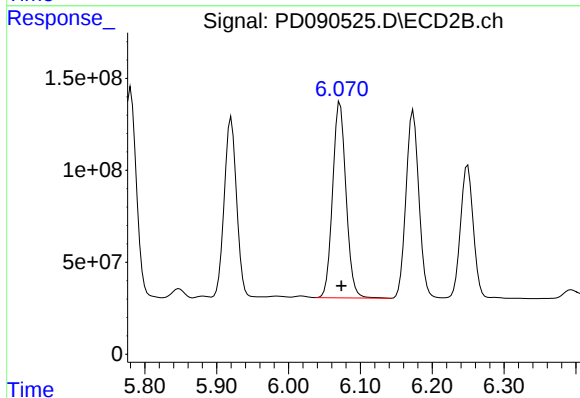
#15 Endosulfan II

R.T.: 6.780 min  
Delta R.T.: -0.002 min  
Response: 191786795  
Conc: 39.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

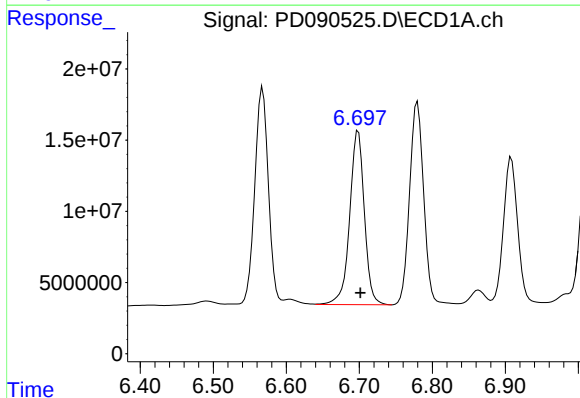
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



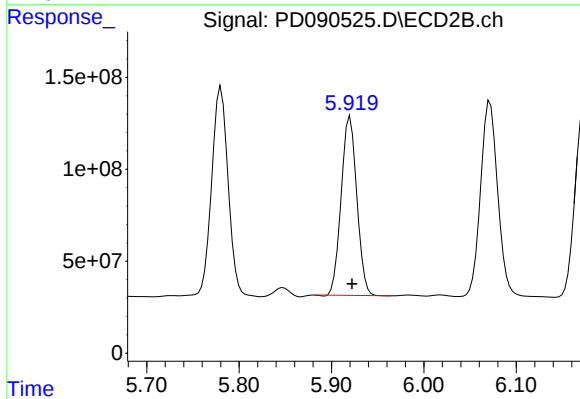
#15 Endosulfan II

R.T.: 6.072 min  
Delta R.T.: -0.002 min  
Response: 1379022469  
Conc: 40.86 ng/ml



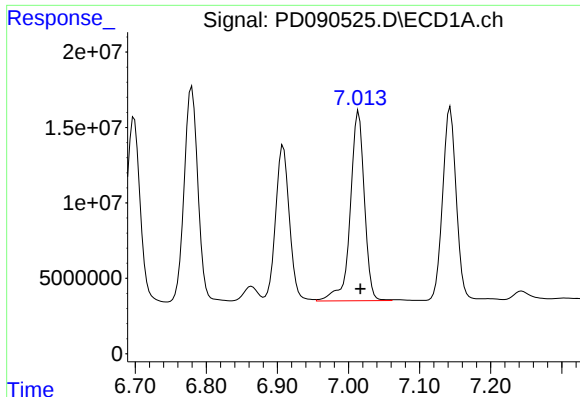
#16 4,4'-DDD

R.T.: 6.699 min  
Delta R.T.: -0.003 min  
Response: 170712047  
Conc: 41.66 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min  
Delta R.T.: -0.002 min  
Response: 1145808013  
Conc: 35.33 ng/ml



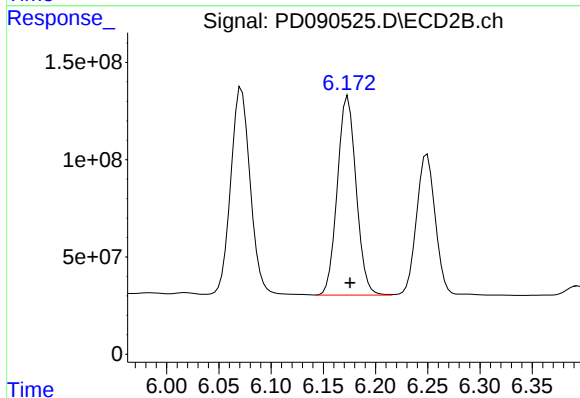
#17 4,4'-DDT

R.T.: 7.014 min  
Delta R.T.: -0.003 min  
Response: 173754851  
Conc: 39.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

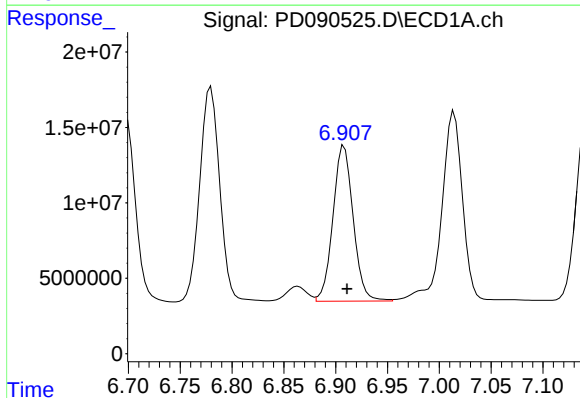
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



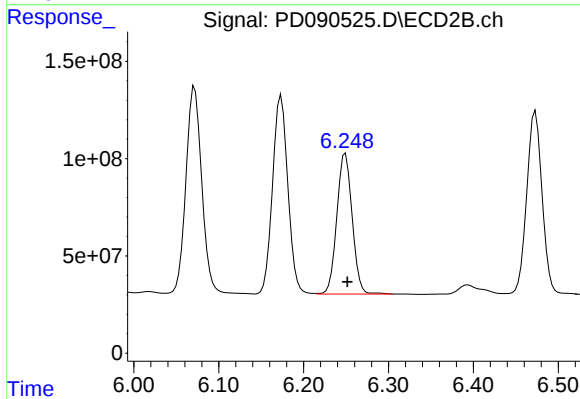
#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: -0.002 min  
Response: 1276754896  
Conc: 37.14 ng/ml



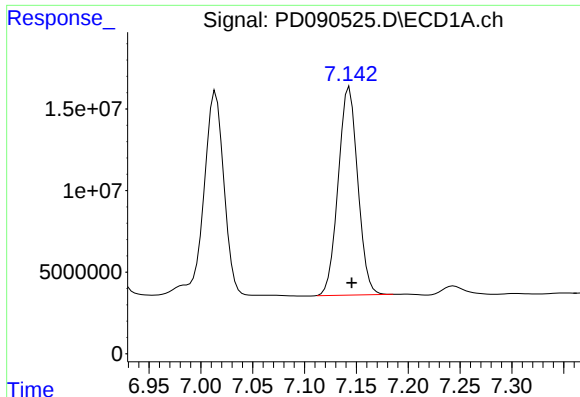
#18 Endrin aldehyde

R.T.: 6.908 min  
Delta R.T.: -0.003 min  
Response: 140154587  
Conc: 40.85 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min  
Delta R.T.: -0.002 min  
Response: 903727339  
Conc: 38.38 ng/ml



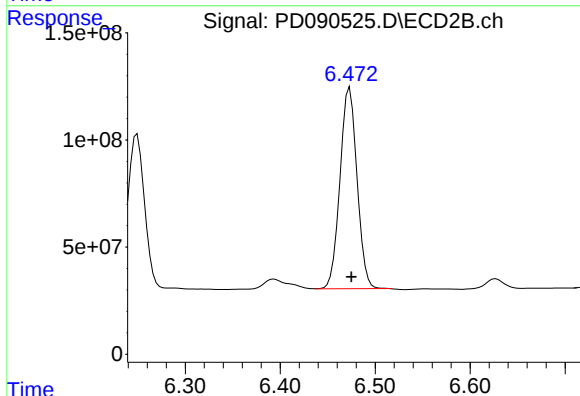
#19 Endosulfan Sulfate

R.T.: 7.143 min  
Delta R.T.: -0.002 min  
Response: 167500188  
Conc: 36.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

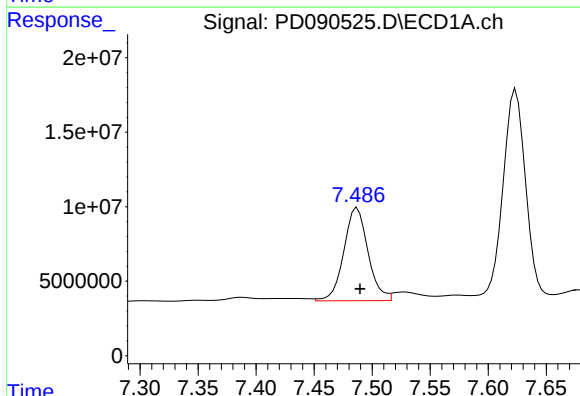
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



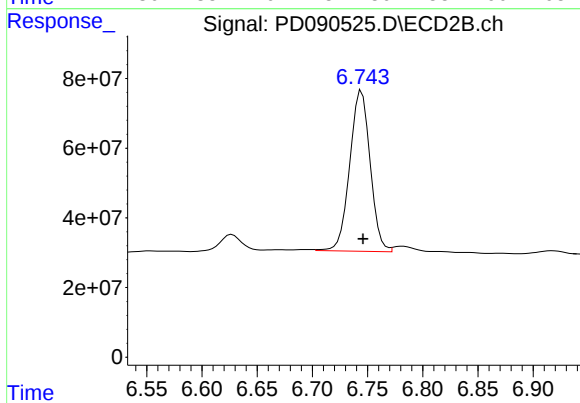
#19 Endosulfan Sulfate

R.T.: 6.473 min  
Delta R.T.: -0.002 min  
Response: 1173214126  
Conc: 35.89 ng/ml



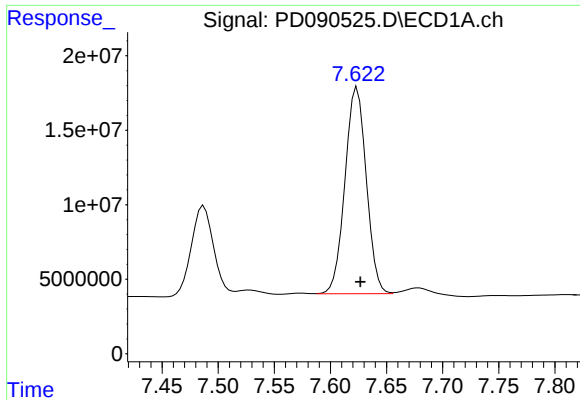
#20 Methoxychlor

R.T.: 7.487 min  
Delta R.T.: -0.002 min  
Response: 90624890  
Conc: 38.46 ng/ml



#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: -0.001 min  
Response: 595207511  
Conc: 34.21 ng/ml



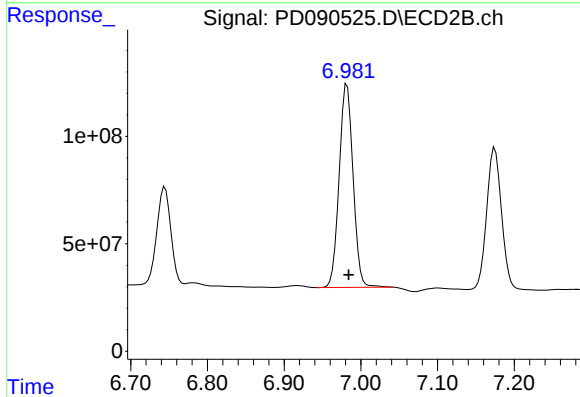
#21 Endrin ketone

R.T.: 7.622 min  
Delta R.T.: -0.004 min  
Response: 183122498  
Conc: 37.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
72-11966MS

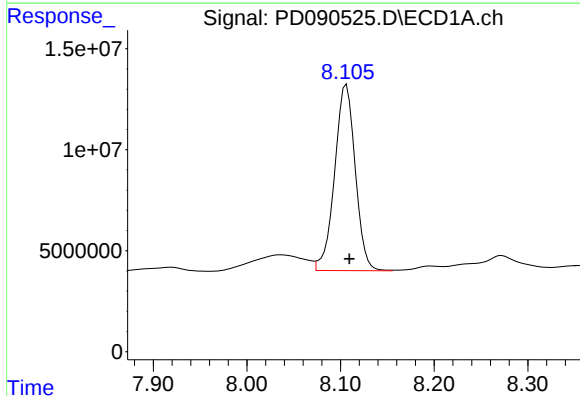
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/07/2025  
Supervised By :mohammad ahmed 10/08/2025



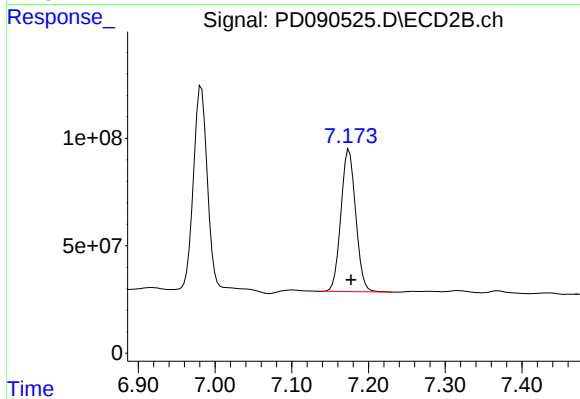
#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: -0.002 min  
Response: 1194150125  
Conc: 33.08 ng/ml



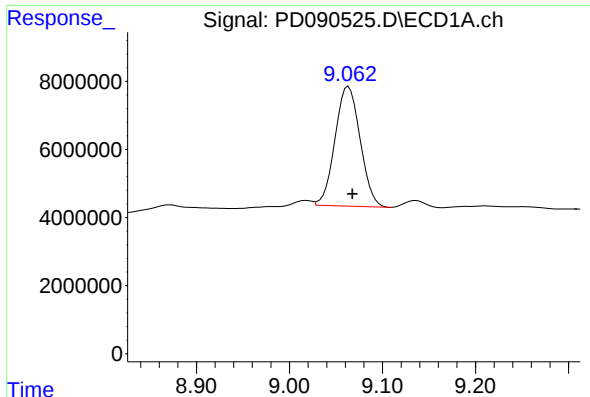
#22 Mirex

R.T.: 8.105 min  
Delta R.T.: -0.004 min  
Response: 140782584  
Conc: 38.00 ng/ml m



#22 Mirex

R.T.: 7.175 min  
Delta R.T.: -0.003 min  
Response: 886493089  
Conc: 32.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min  
Delta R.T.: -0.004 min  
Response: 66018720  
Conc: 13.68 ng/ml

Instrument :

ECD\_D

ClientSampleId :

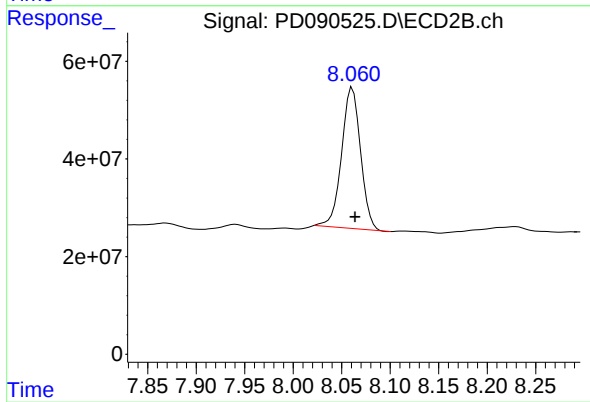
72-11966MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/07/2025

Supervised By :mohammad ahmed 10/08/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min  
Delta R.T.: -0.003 min  
Response: 392913238  
Conc: 12.12 ng/ml