

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD071625\  
 Data File : PD089505.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Jul 2025 17:28  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
 Supervised By :mohammad ahmed 07/18/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 17 02:20:08 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jun 18 05:39:05 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... | 3.550 | 2.879 | 133.6E6  | 863.6E6  | 46.822  | 50.943  |
| 28)                         | SA Decachlor... | 9.072 | 8.070 | 158.9E6  | 865.8E6  | 40.456  | 43.795  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.999 | 3.391 | 285.9E6  | 1378.1E6 | 49.047  | 51.428  |
| 3)                          | MA gamma-BHC... | 4.330 | 3.726 | 270.8E6  | 1266.5E6 | 48.508  | 51.158m |
| 4)                          | MA Heptachlor   | 4.929 | 4.081 | 255.8E6  | 1223.4E6 | 46.921  | 48.861  |
| 5)                          | MB Aldrin       | 5.271 | 4.366 | 255.7E6  | 1237.8E6 | 48.119  | 51.111  |
| 6)                          | B beta-BHC      | 4.516 | 4.023 | 104.9E6  | 538.9E6  | 47.510  | 50.143  |
| 7)                          | B delta-BHC     | 4.764 | 4.260 | 261.9E6  | 1268.1E6 | 51.033  | 50.982  |
| 8)                          | B Heptachlo...  | 5.691 | 4.870 | 223.8E6  | 1124.3E6 | 46.390  | 51.343  |
| 9)                          | A Endosulfan I  | 6.074 | 5.245 | 207.3E6  | 1062.1E6 | 46.001  | 50.960  |
| 10)                         | B gamma-Chl...  | 5.946 | 5.123 | 224.7E6  | 1203.3E6 | 46.929  | 50.298  |
| 11)                         | B alpha-Chl...  | 6.026 | 5.188 | 223.3E6  | 1147.4E6 | 46.142  | 50.114  |
| 12)                         | B 4,4'-DDE      | 6.196 | 5.373 | 196.2E6  | 1148.6E6 | 44.981  | 50.122  |
| 13)                         | MA Dieldrin     | 6.347 | 5.511 | 219.3E6  | 1159.7E6 | 45.714  | 49.967  |
| 14)                         | MA Endrin       | 6.574 | 5.787 | 175.1E6  | 1033.0E6 | 42.440  | 47.575  |
| 15)                         | B Endosulfa...  | 6.786 | 6.078 | 181.0E6  | 981.1E6  | 44.846  | 48.580  |
| 16)                         | A 4,4'-DDD      | 6.704 | 5.927 | 161.3E6  | 971.8E6  | 46.992  | 50.801  |
| 17)                         | MA 4,4'-DDT     | 7.019 | 6.181 | 152.5E6  | 894.3E6  | 40.244m | 44.098  |
| 18)                         | B Endrin al...  | 6.914 | 6.256 | 132.6E6  | 716.1E6  | 43.262  | 46.769  |
| 19)                         | B Endosulfa...  | 7.149 | 6.480 | 167.9E6  | 932.6E6  | 43.752  | 47.529  |
| 20)                         | A Methoxychlor  | 7.493 | 6.751 | 96306080 | 566.0E6  | 47.661  | 52.563  |
| 21)                         | B Endrin ke...  | 7.629 | 6.988 | 178.4E6  | 1024.6E6 | 43.812  | 47.432  |
| 22)                         | Mirex           | 8.113 | 7.183 | 128.5E6  | 762.2E6  | 42.256  | 45.701  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD071625\  
Data File : PD089505.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Jul 2025 17:28  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDCCC050

## Manual Integrations

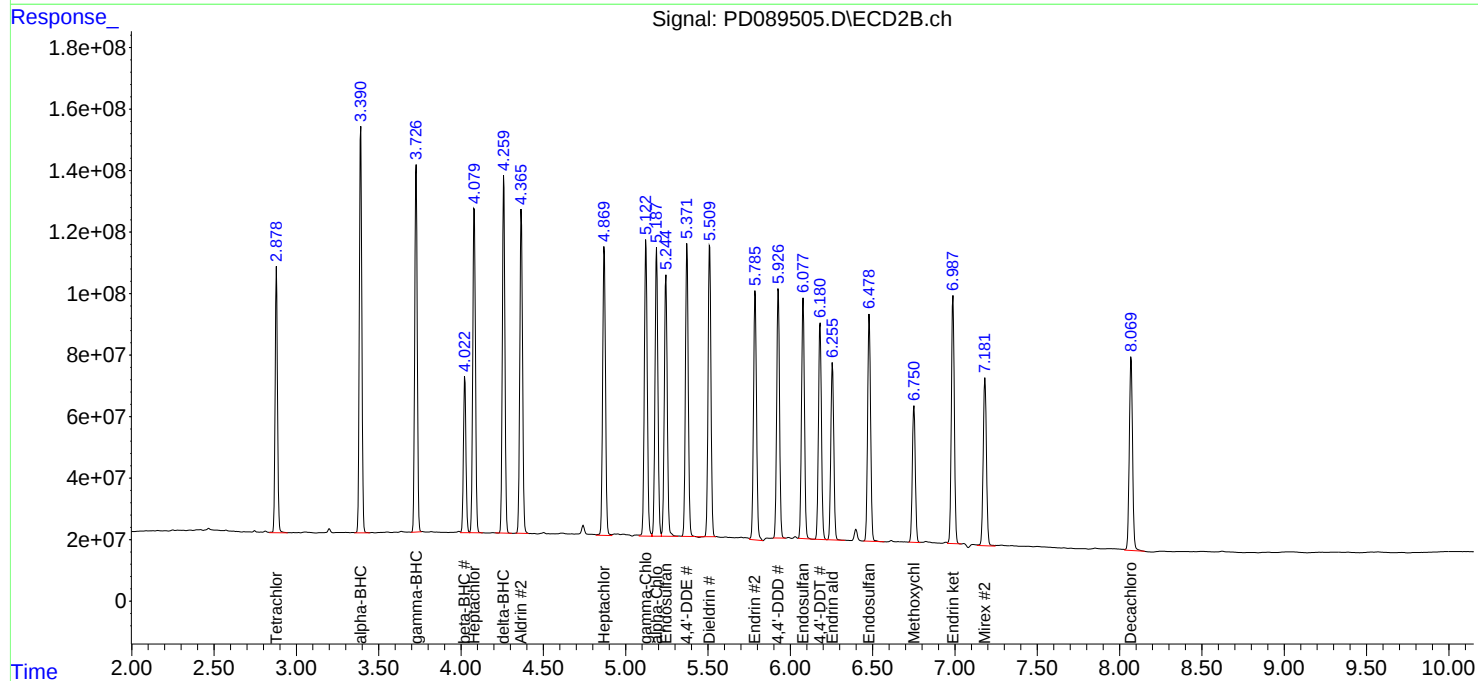
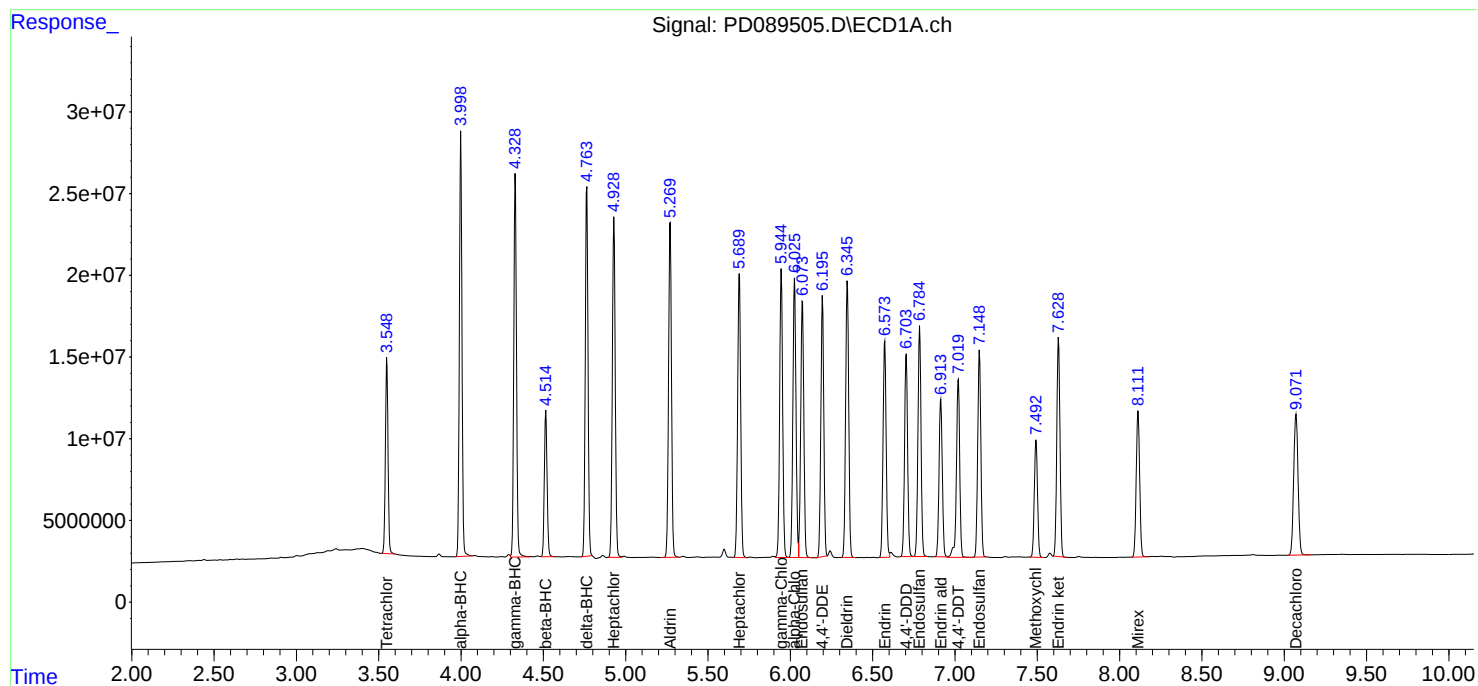
## APPROVED

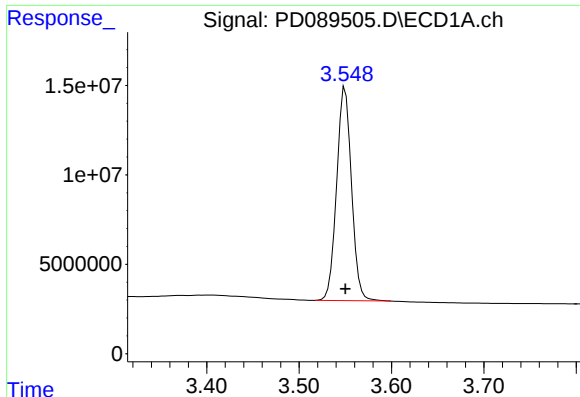
Reviewed By :Abdul Mirza 07/17/2025

Supervised By :mohammad ahmed 07/18/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 17 02:20:08 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
Quant Title : GC Extractables  
QLast Update : Wed Jun 18 05:39:05 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





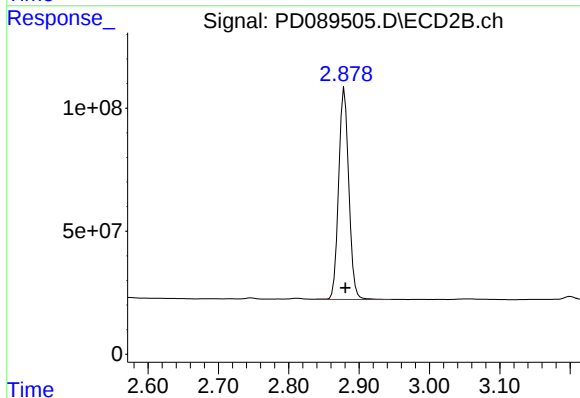
#1 Tetrachloro-m-xylene

R.T.: 3.550 min  
Delta R.T.: 0.000 min  
Response: 133588490  
Conc: 46.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

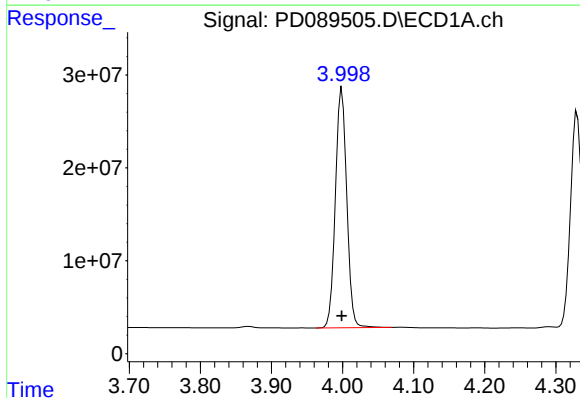
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



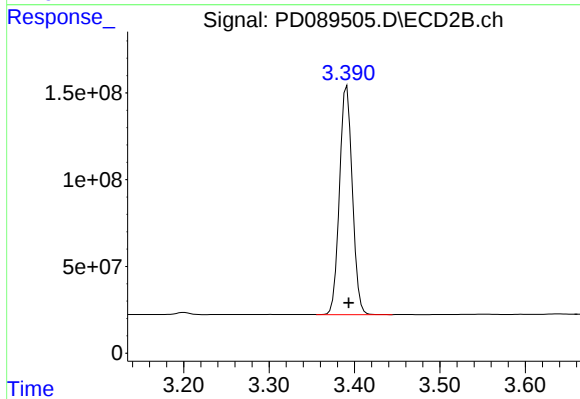
#1 Tetrachloro-m-xylene

R.T.: 2.879 min  
Delta R.T.: -0.002 min  
Response: 863640886  
Conc: 50.94 ng/ml



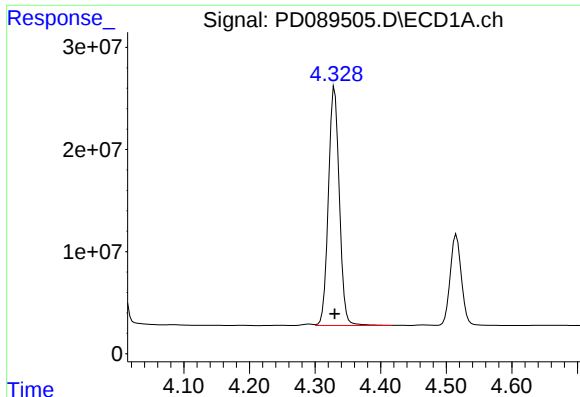
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 285900029  
Conc: 49.05 ng/ml



#2 alpha-BHC

R.T.: 3.391 min  
Delta R.T.: -0.002 min  
Response: 1378111001  
Conc: 51.43 ng/ml



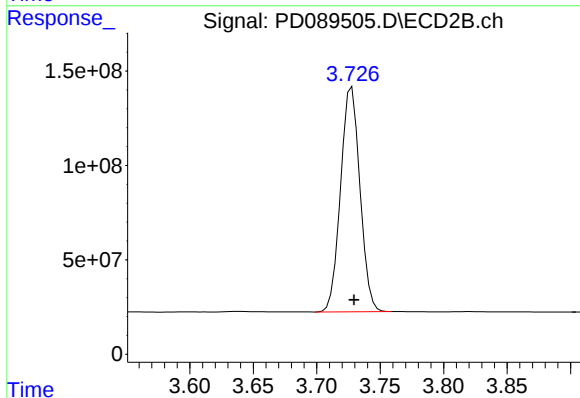
#3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: 0.000 min  
Response: 270756008  
Conc: 48.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

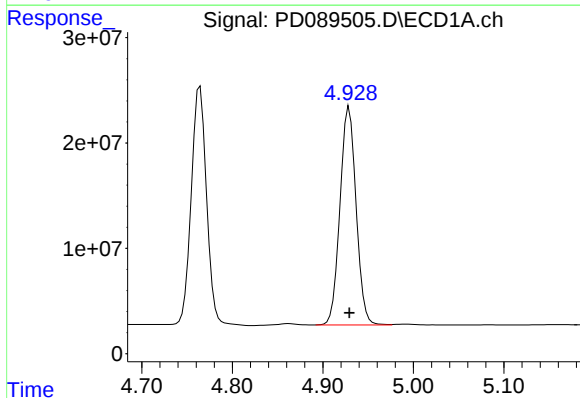
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



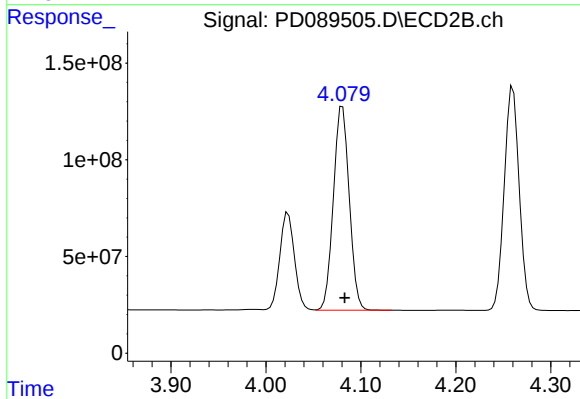
#3 gamma-BHC (Lindane)

R.T.: 3.726 min  
Delta R.T.: -0.003 min  
Response: 1266508988  
Conc: 51.16 ng/ml m



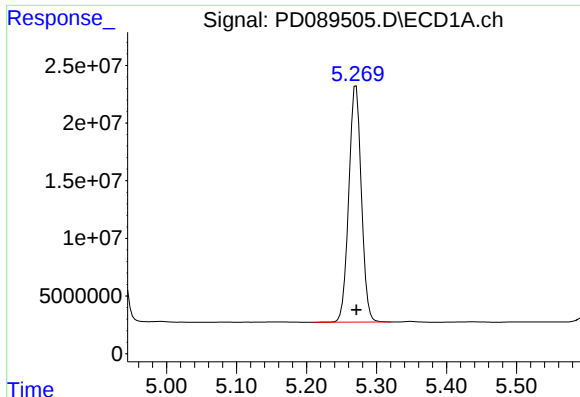
#4 Heptachlor

R.T.: 4.929 min  
Delta R.T.: 0.000 min  
Response: 255811198  
Conc: 46.92 ng/ml



#4 Heptachlor

R.T.: 4.081 min  
Delta R.T.: -0.002 min  
Response: 1223396889  
Conc: 48.86 ng/ml



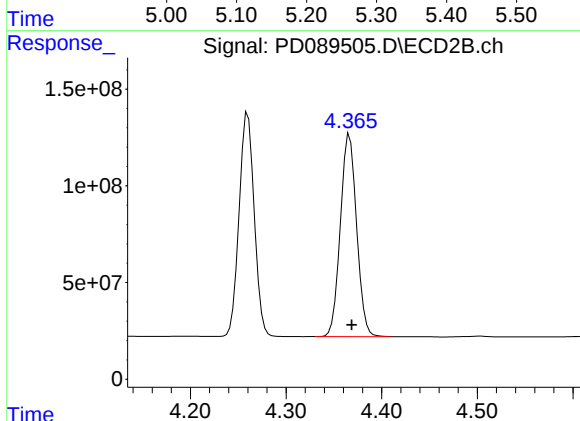
#5 Aldrin

R.T.: 5.271 min  
Delta R.T.: 0.000 min  
Response: 255657385  
Conc: 48.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

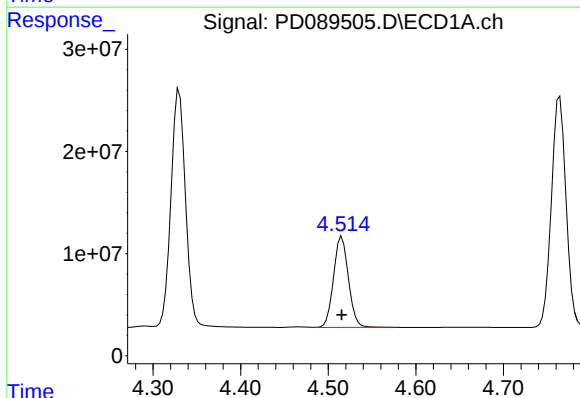
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



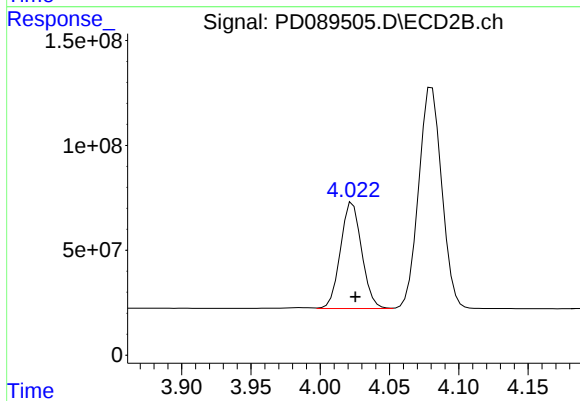
#5 Aldrin

R.T.: 4.366 min  
Delta R.T.: -0.002 min  
Response: 1237770356  
Conc: 51.11 ng/ml



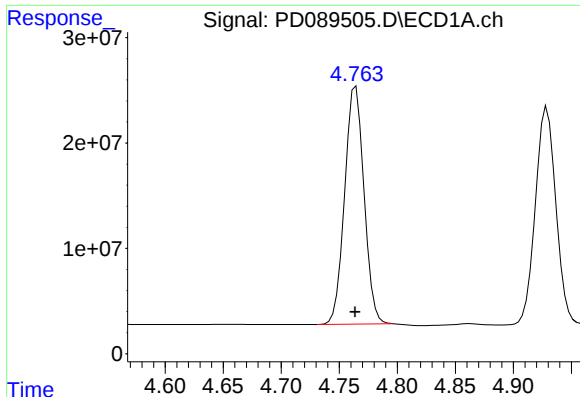
#6 beta-BHC

R.T.: 4.516 min  
Delta R.T.: 0.000 min  
Response: 104860471  
Conc: 47.51 ng/ml



#6 beta-BHC

R.T.: 4.023 min  
Delta R.T.: -0.002 min  
Response: 538851890  
Conc: 50.14 ng/ml



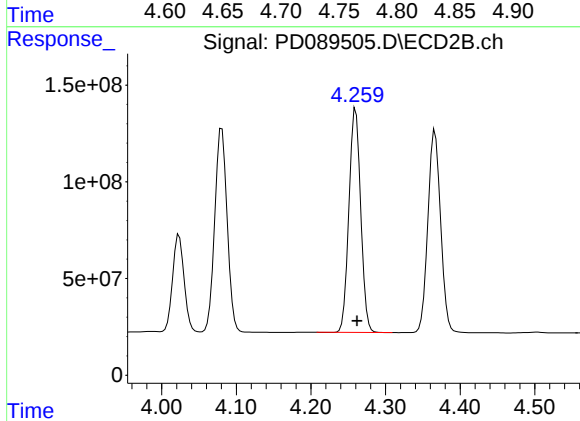
#7 delta-BHC

R.T.: 4.764 min  
Delta R.T.: 0.000 min  
Response: 261949271  
Conc: 51.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

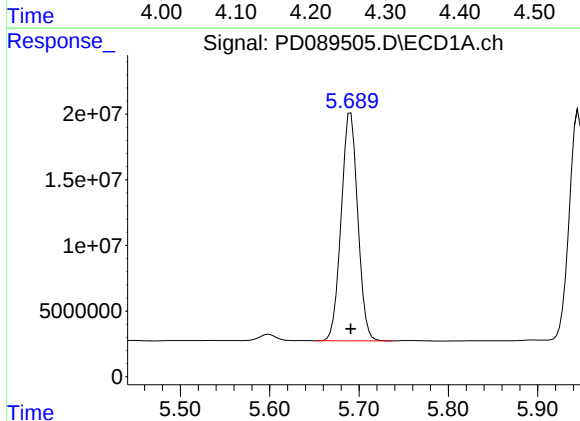
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



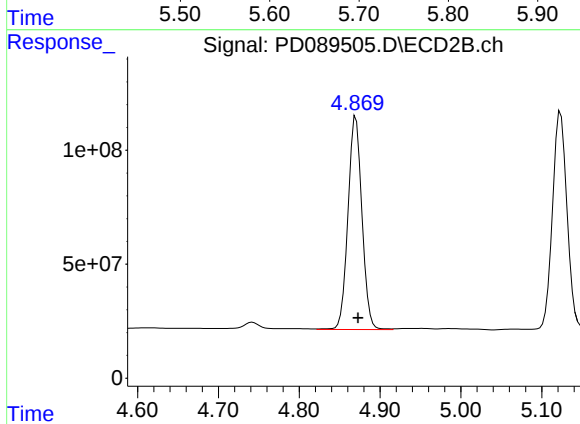
#7 delta-BHC

R.T.: 4.260 min  
Delta R.T.: -0.002 min  
Response: 1268104198  
Conc: 50.98 ng/ml



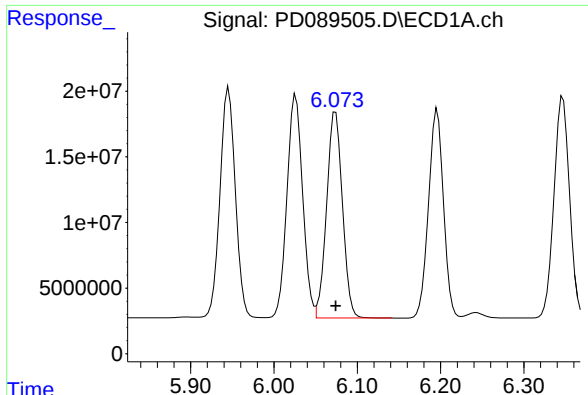
#8 Heptachlor epoxide

R.T.: 5.691 min  
Delta R.T.: 0.000 min  
Response: 223780992  
Conc: 46.39 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min  
Delta R.T.: -0.003 min  
Response: 1124303885  
Conc: 51.34 ng/ml



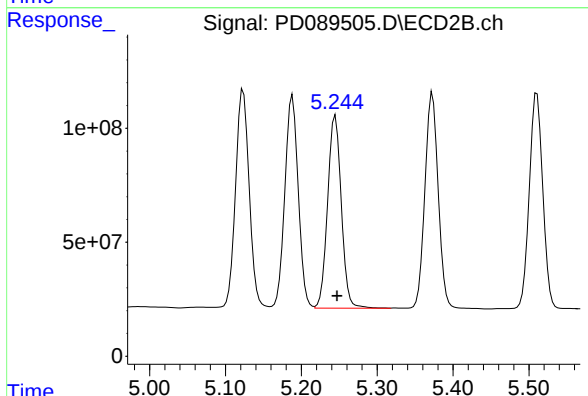
#9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 207347314  
Conc: 46.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

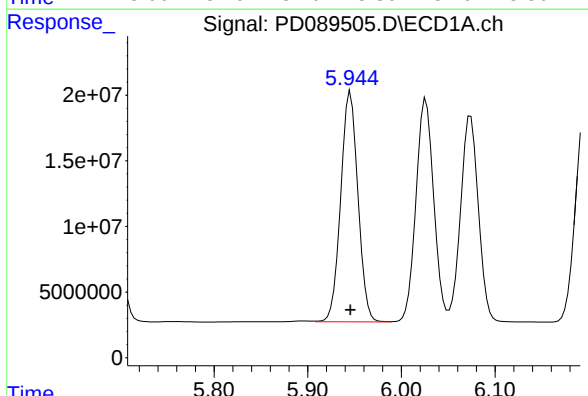
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



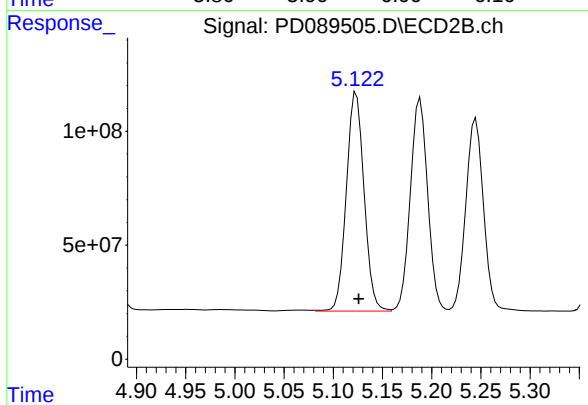
#9 Endosulfan I

R.T.: 5.245 min  
Delta R.T.: -0.002 min  
Response: 1062125196  
Conc: 50.96 ng/ml



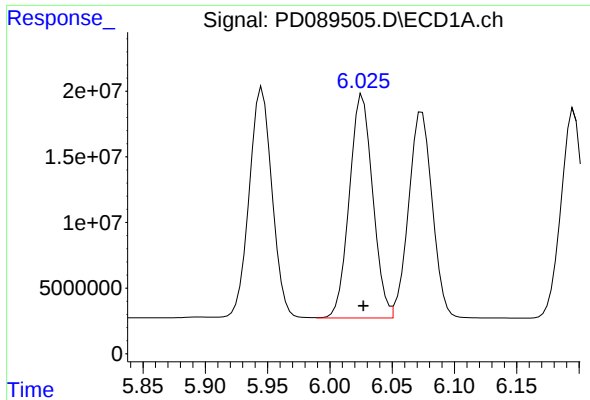
#10 gamma-Chlordane

R.T.: 5.946 min  
Delta R.T.: 0.000 min  
Response: 224701845  
Conc: 46.93 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min  
Delta R.T.: -0.002 min  
Response: 1203254394  
Conc: 50.30 ng/ml



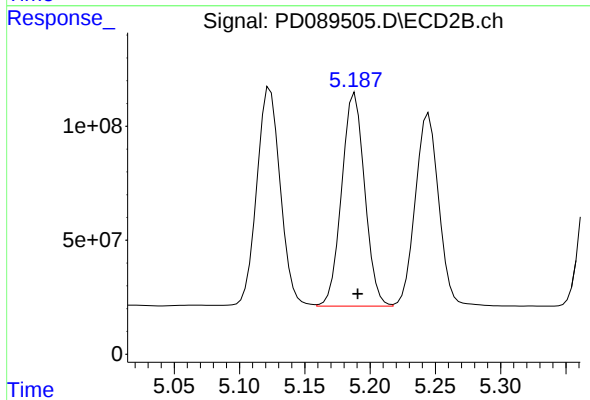
#11 alpha-Chlordane

R.T.: 6.026 min  
Delta R.T.: 0.000 min  
Response: 223261633  
Conc: 46.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

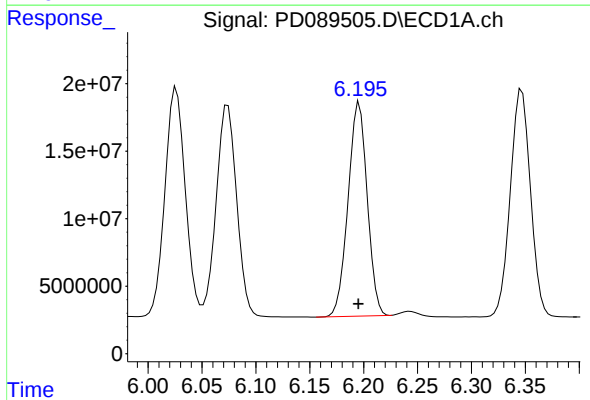
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



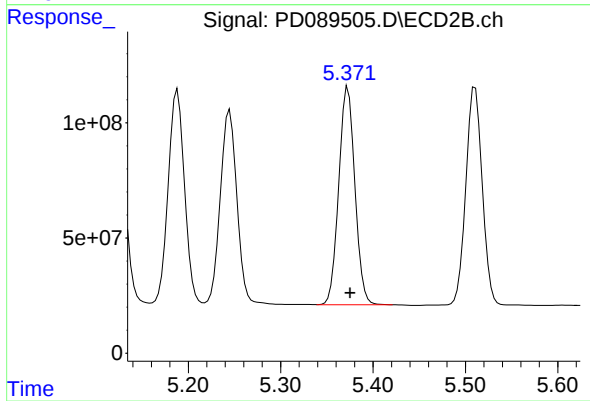
#11 alpha-Chlordane

R.T.: 5.188 min  
Delta R.T.: -0.002 min  
Response: 1147444573  
Conc: 50.11 ng/ml



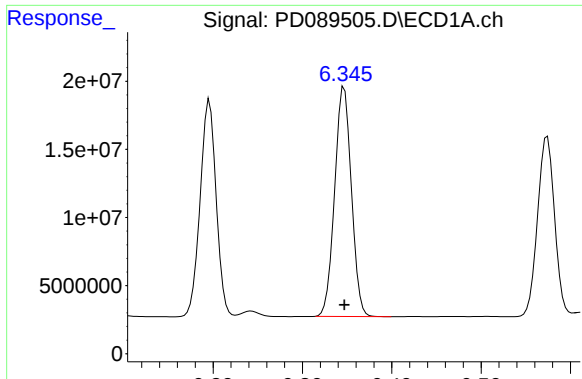
#12 4,4'-DDE

R.T.: 6.196 min  
Delta R.T.: 0.000 min  
Response: 196163309  
Conc: 44.98 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min  
Delta R.T.: -0.002 min  
Response: 1148610490  
Conc: 50.12 ng/ml



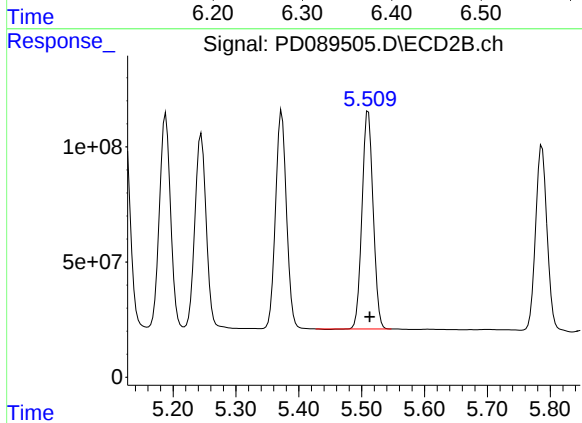
#13 Dieldrin

R.T.: 6.347 min  
Delta R.T.: 0.000 min  
Response: 219312152  
Conc: 45.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

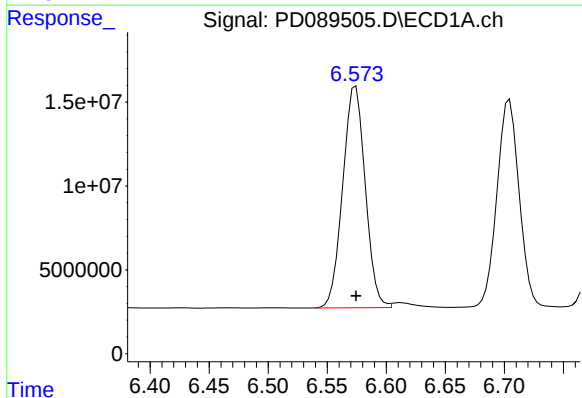
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



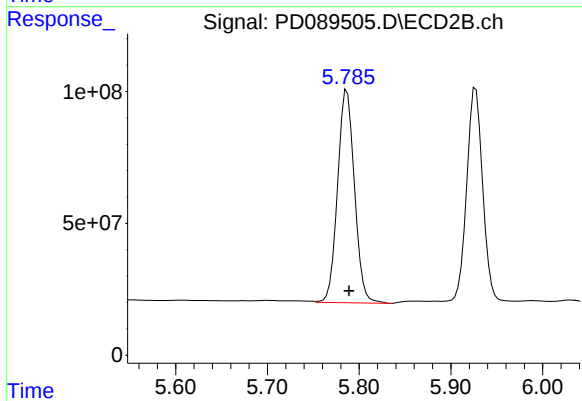
#13 Dieldrin

R.T.: 5.511 min  
Delta R.T.: -0.003 min  
Response: 1159655140  
Conc: 49.97 ng/ml



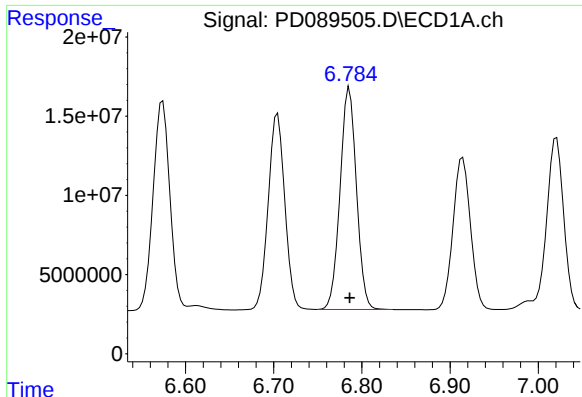
#14 Endrin

R.T.: 6.574 min  
Delta R.T.: 0.000 min  
Response: 175090386  
Conc: 42.44 ng/ml



#14 Endrin

R.T.: 5.787 min  
Delta R.T.: -0.002 min  
Response: 1033048230  
Conc: 47.58 ng/ml



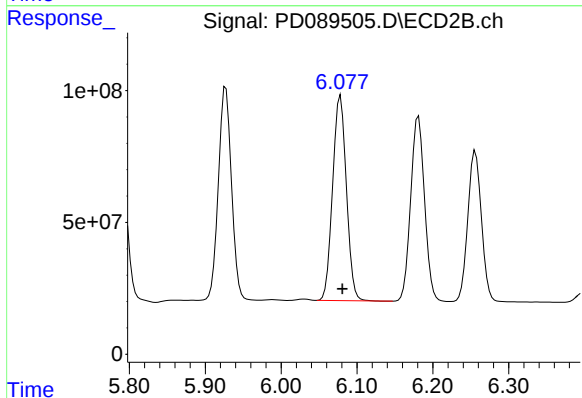
#15 Endosulfan II

R.T.: 6.786 min  
Delta R.T.: 0.000 min  
Response: 181027258  
Conc: 44.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

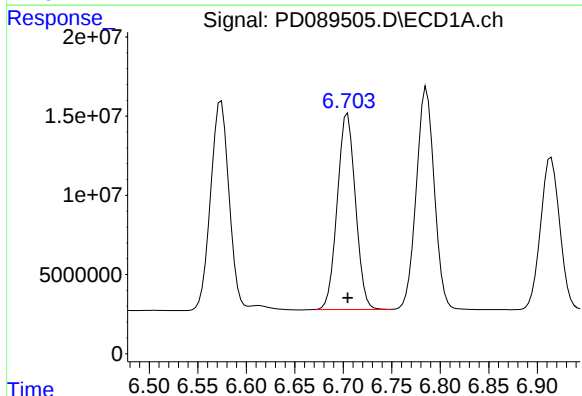
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



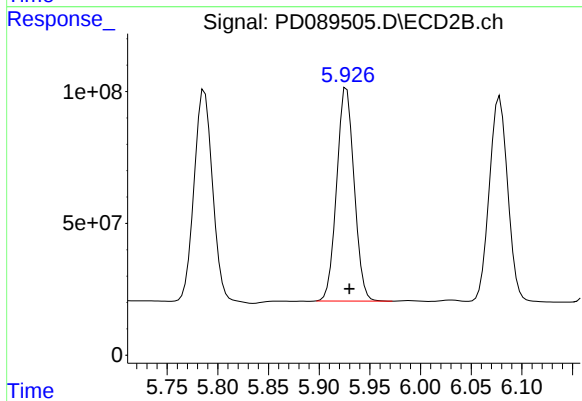
#15 Endosulfan II

R.T.: 6.078 min  
Delta R.T.: -0.003 min  
Response: 981145660  
Conc: 48.58 ng/ml



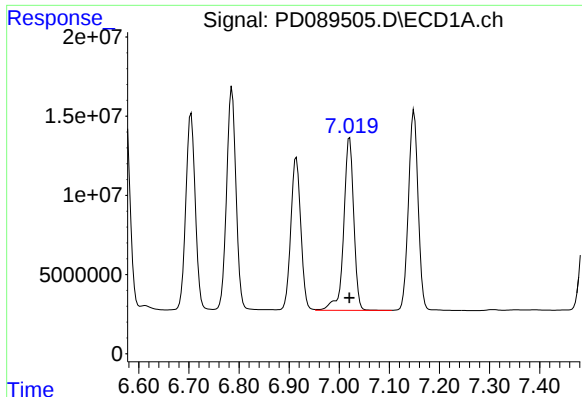
#16 4,4'-DDD

R.T.: 6.704 min  
Delta R.T.: 0.000 min  
Response: 161277776  
Conc: 46.99 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min  
Delta R.T.: -0.003 min  
Response: 971799527  
Conc: 50.80 ng/ml



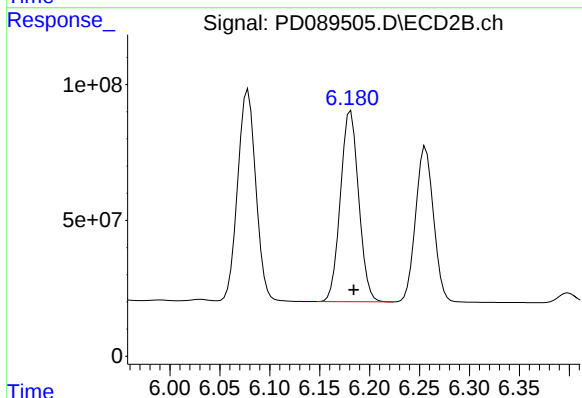
#17 4,4'-DDT

R.T.: 7.019 min  
Delta R.T.: -0.001 min  
Response: 152453325  
Conc: 40.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

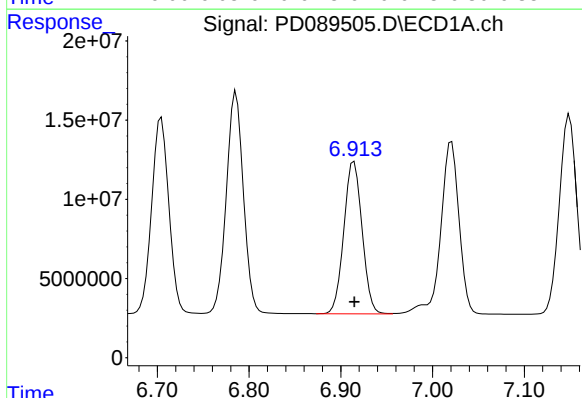
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



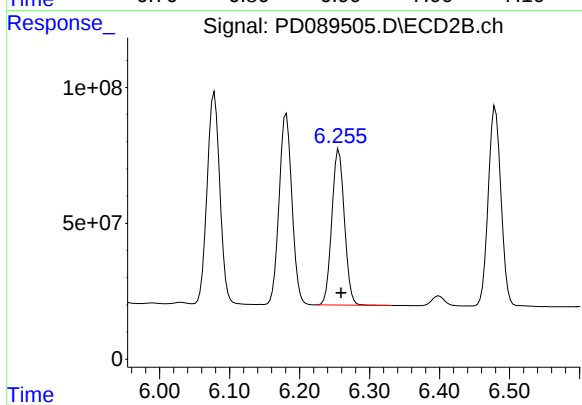
#17 4,4'-DDT

R.T.: 6.181 min  
Delta R.T.: -0.003 min  
Response: 894272976  
Conc: 44.10 ng/ml



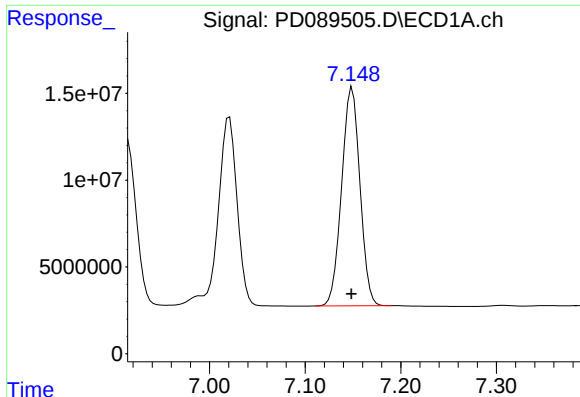
#18 Endrin aldehyde

R.T.: 6.914 min  
Delta R.T.: 0.000 min  
Response: 132551145  
Conc: 43.26 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min  
Delta R.T.: -0.003 min  
Response: 716094572  
Conc: 46.77 ng/ml



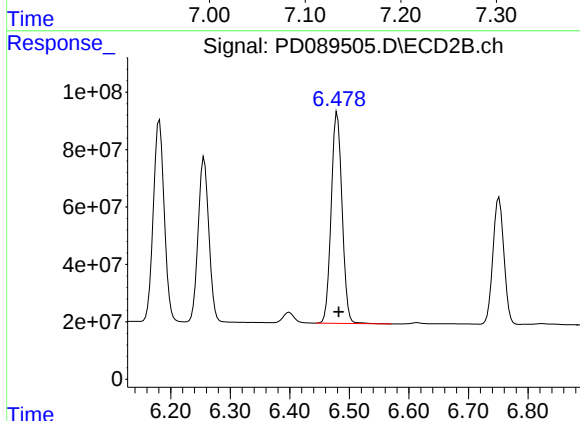
#19 Endosulfan Sulfate

R.T.: 7.149 min  
Delta R.T.: 0.001 min  
Response: 167886760  
Conc: 43.75 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

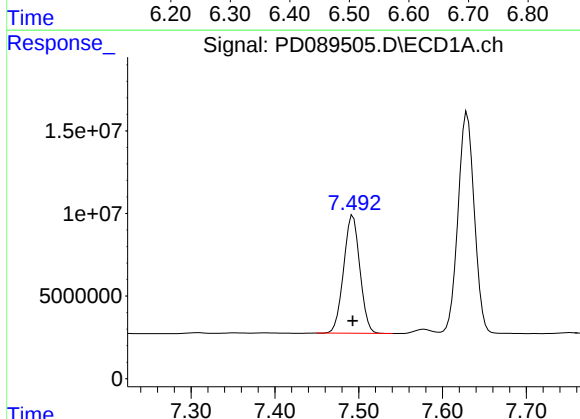
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



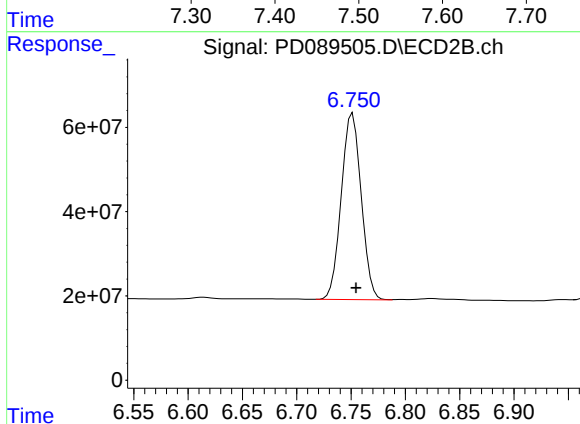
#19 Endosulfan Sulfate

R.T.: 6.480 min  
Delta R.T.: -0.003 min  
Response: 932577009  
Conc: 47.53 ng/ml



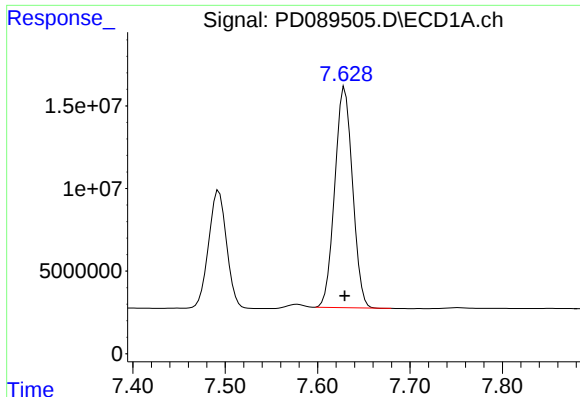
#20 Methoxychlor

R.T.: 7.493 min  
Delta R.T.: 0.000 min  
Response: 96306080  
Conc: 47.66 ng/ml



#20 Methoxychlor

R.T.: 6.751 min  
Delta R.T.: -0.003 min  
Response: 566004874  
Conc: 52.56 ng/ml



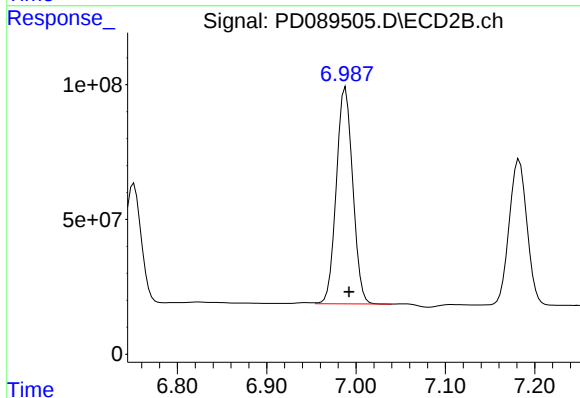
#21 Endrin ketone

R.T.: 7.629 min  
Delta R.T.: 0.000 min  
Response: 178447682  
Conc: 43.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

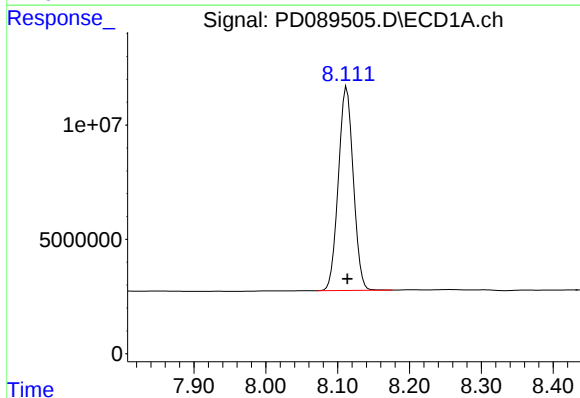
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



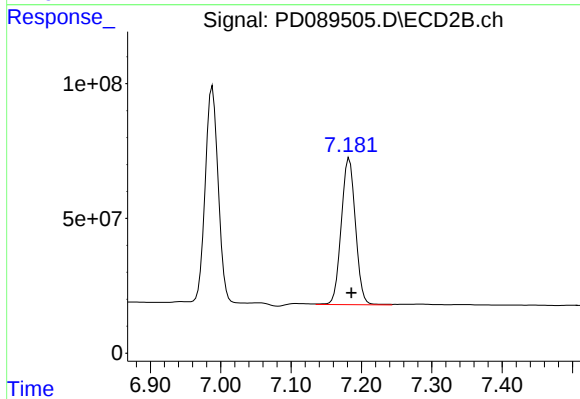
#21 Endrin ketone

R.T.: 6.988 min  
Delta R.T.: -0.004 min  
Response: 1024620355  
Conc: 47.43 ng/ml



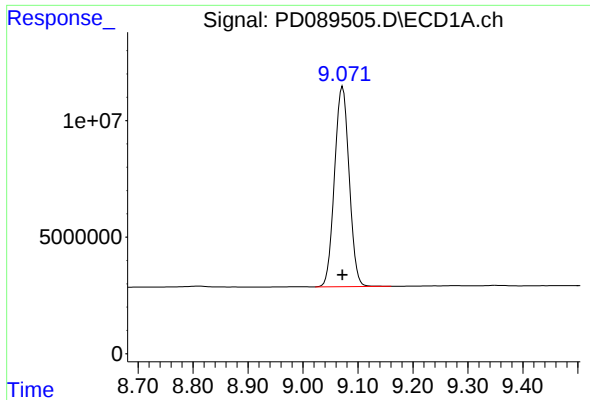
#22 Mirex

R.T.: 8.113 min  
Delta R.T.: 0.000 min  
Response: 128463460  
Conc: 42.26 ng/ml



#22 Mirex

R.T.: 7.183 min  
Delta R.T.: -0.003 min  
Response: 762209526  
Conc: 45.70 ng/ml



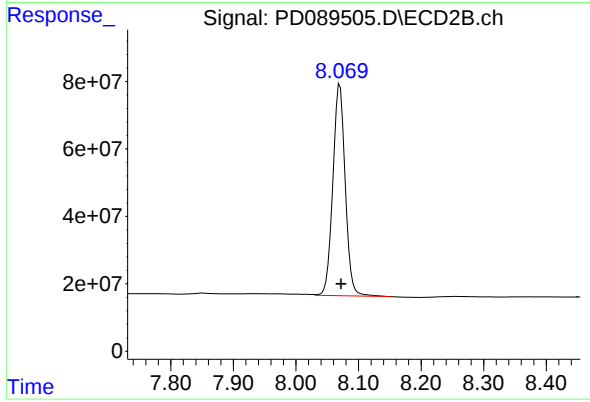
#28 Decachlorobiphenyl

R.T.: 9.072 min  
Delta R.T.: 0.000 min  
Response: 158896433  
Conc: 40.46 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 07/17/2025  
Supervised By :mohammad ahmed 07/18/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min  
Delta R.T.: -0.002 min  
Response: 865834553  
Conc: 43.80 ng/ml