

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD093025\  
 Data File : PD090461.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 30 Sep 2025 16:39  
 Operator : AR\AJ  
 Sample : PB169874BS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB169874BS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/01/2025  
 Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 01 02:22:26 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... | 3.546 | 2.875 | 64536852 | 544.3E6  | 19.855  | 19.827 |
| 2)                          | SA Decachlor... | 9.066 | 8.063 | 105.2E6  | 648.7E6  | 21.802  | 20.013 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.995 | 3.387 | 363.0E6  | 2120.2E6 | 51.978  | 48.426 |
| 3)                          | MA gamma-BHC... | 4.326 | 3.723 | 337.4E6  | 1970.2E6 | 50.994  | 48.366 |
| 4)                          | MA Heptachlor   | 4.924 | 4.076 | 345.5E6  | 2000.9E6 | 52.245  | 49.143 |
| 5)                          | MB Aldrin       | 5.266 | 4.361 | 331.5E6  | 1942.9E6 | 52.212  | 48.652 |
| 6)                          | B beta-BHC      | 4.513 | 4.019 | 126.0E6  | 828.6E6  | 48.820  | 47.800 |
| 7)                          | B delta-BHC     | 4.760 | 4.256 | 339.5E6  | 1996.2E6 | 52.570m | 48.340 |
| 8)                          | B Heptachlo...  | 5.686 | 4.865 | 296.1E6  | 1803.4E6 | 51.818  | 48.920 |
| 9)                          | A Endosulfan I  | 6.068 | 5.239 | 278.9E6  | 1657.0E6 | 51.633m | 47.882 |
| 10)                         | B gamma-Chl...  | 5.941 | 5.118 | 293.4E6  | 1898.6E6 | 51.370  | 48.326 |
| 11)                         | B alpha-Chl...  | 6.020 | 5.182 | 313.9E6  | 1823.4E6 | 54.490m | 48.411 |
| 12)                         | B 4,4'-DDE      | 6.191 | 5.367 | 269.3E6  | 1859.6E6 | 51.709  | 48.581 |
| 13)                         | MA Dieldrin     | 6.342 | 5.505 | 301.4E6  | 1891.4E6 | 52.289  | 48.564 |
| 14)                         | MA Endrin       | 6.569 | 5.782 | 260.6E6  | 1802.3E6 | 53.244  | 50.299 |
| 15)                         | B Endosulfa...  | 6.782 | 6.073 | 260.2E6  | 1630.0E6 | 53.335  | 48.294 |
| 16)                         | A 4,4'-DDD      | 6.701 | 5.922 | 216.4E6  | 1544.7E6 | 52.798  | 47.634 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.175 | 237.0E6  | 1661.2E6 | 53.233  | 48.319 |
| 18)                         | B Endrin al...  | 6.910 | 6.251 | 188.9E6  | 1206.3E6 | 55.057  | 51.230 |
| 19)                         | B Endosulfa...  | 7.145 | 6.475 | 239.0E6  | 1581.3E6 | 51.953  | 48.371 |
| 20)                         | A Methoxychlor  | 7.489 | 6.746 | 125.2E6  | 835.8E6  | 53.137  | 48.031 |
| 21)                         | B Endrin ke...  | 7.626 | 6.983 | 255.4E6  | 1601.7E6 | 51.620  | 44.365 |
| 22)                         | Mirex           | 8.107 | 7.177 | 167.1E6  | 1139.6E6 | 45.099m | 41.282 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD093025\  
Data File : PD090461.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 30 Sep 2025 16:39  
Operator : AR\AJ  
Sample : PB169874BS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PB169874BS

## Manual Integrations

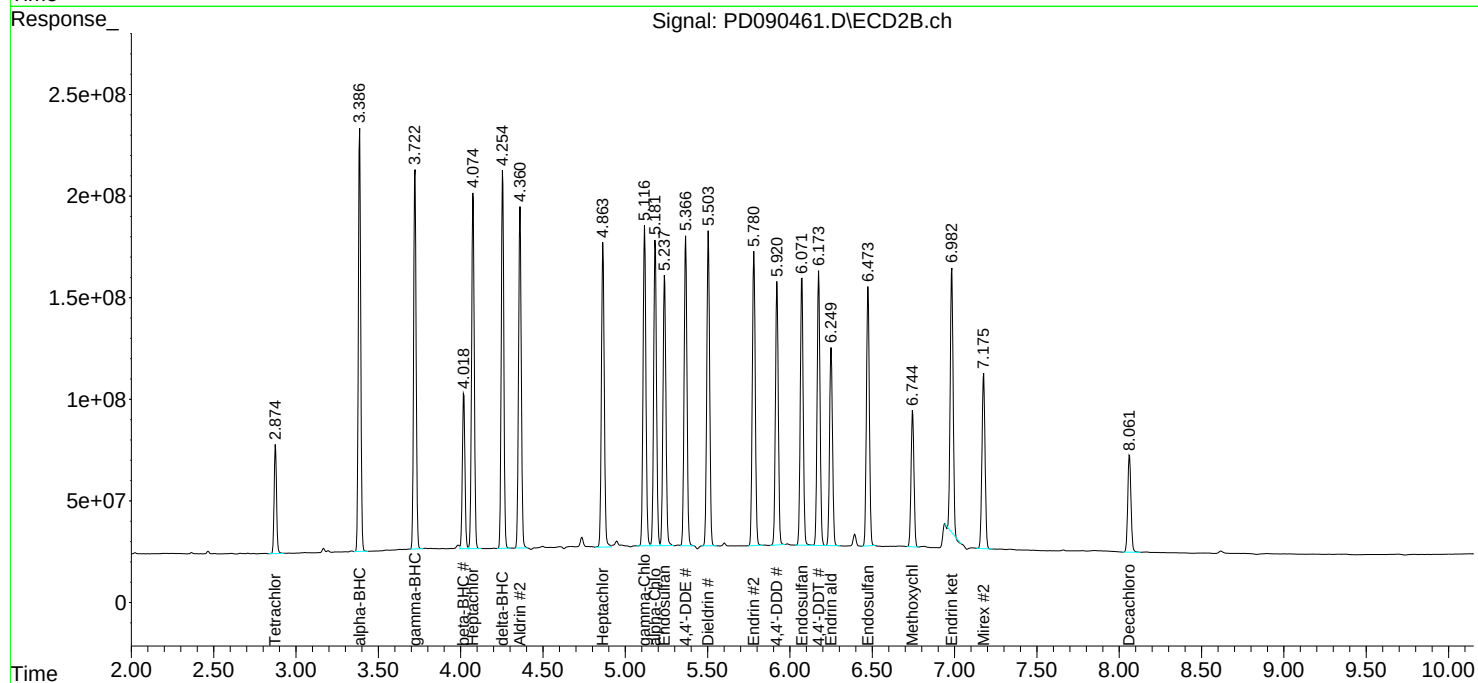
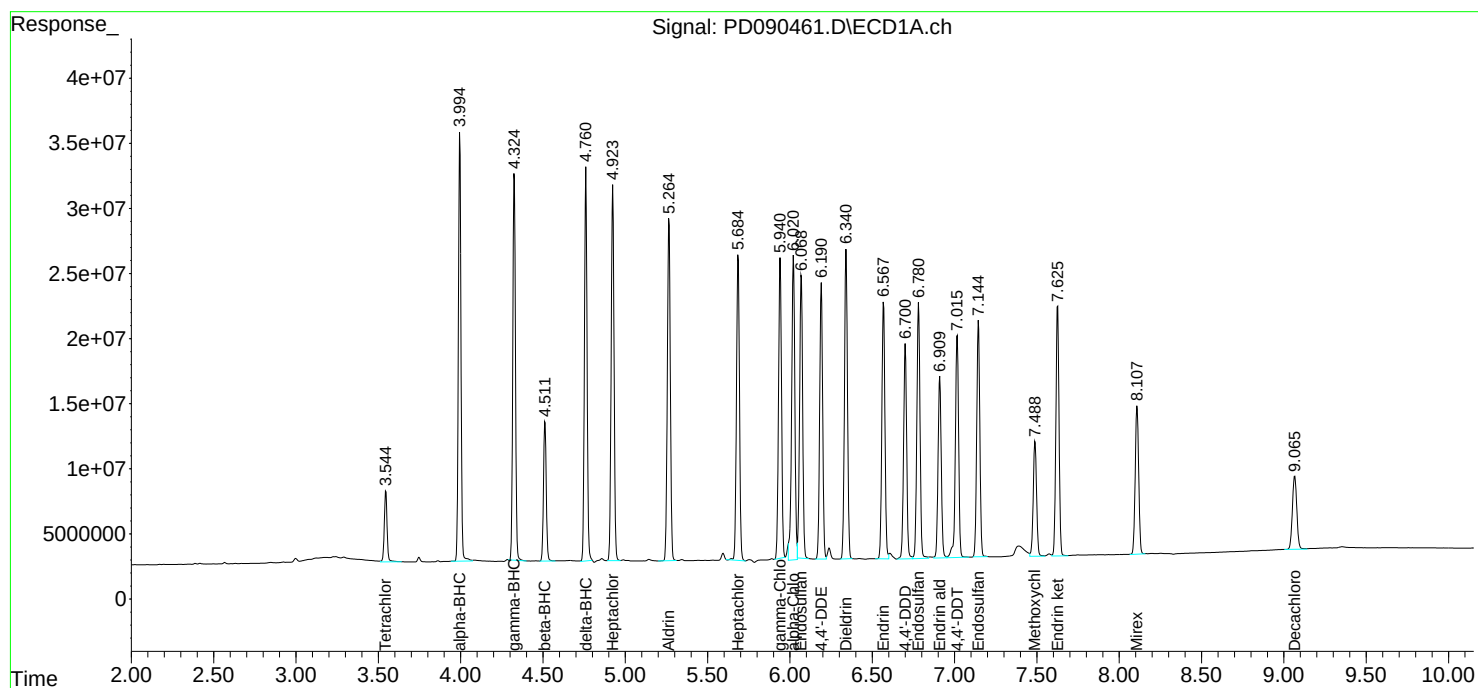
## APPROVED

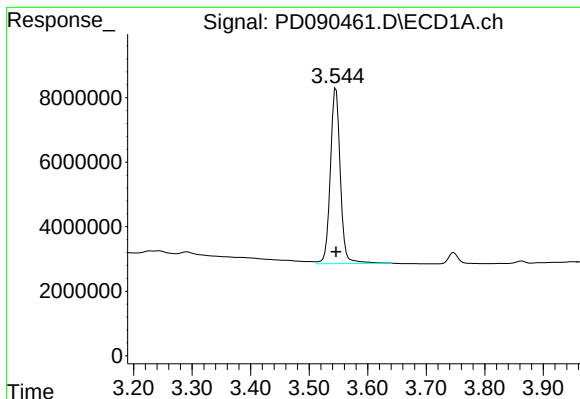
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 01 02:22:26 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.: 3.546 min  
Delta R.T.: 0.000 min  
Response: 64536852  
Conc: 19.85 ng/ml

Instrument :

ECD\_D

ClientSampleId :

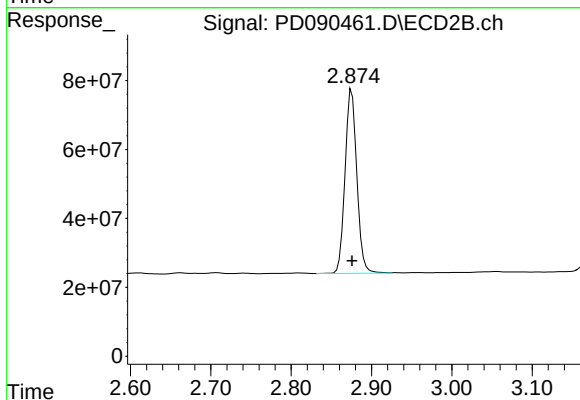
PB169874BS

Manual Integrations

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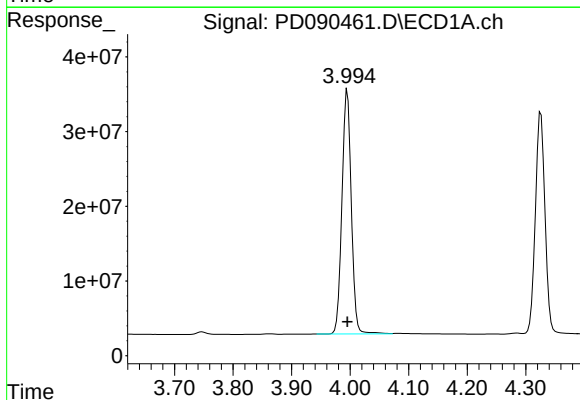
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025



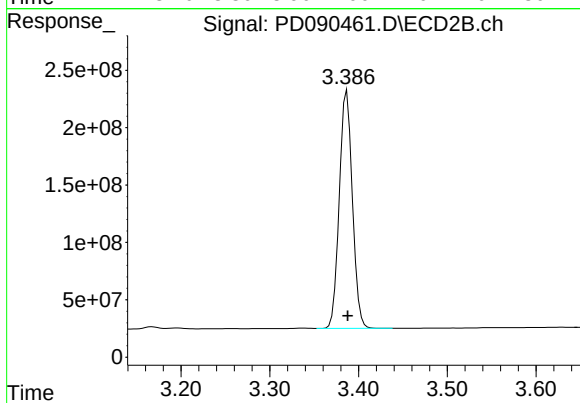
#1 Tetrachloro-m-xylene

R.T.: 2.875 min  
Delta R.T.: 0.000 min  
Response: 544263555  
Conc: 19.83 ng/ml



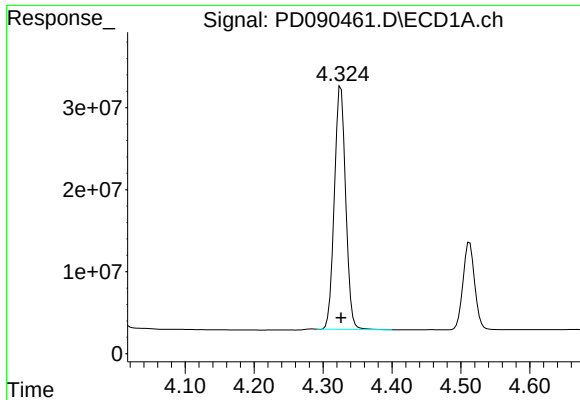
#2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 363042892  
Conc: 51.98 ng/ml



#2 alpha-BHC

R.T.: 3.387 min  
Delta R.T.: 0.000 min  
Response: 2120221570  
Conc: 48.43 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 337421847  
Conc: 50.99 ng/ml

Instrument :

ECD\_D

ClientSampleId :

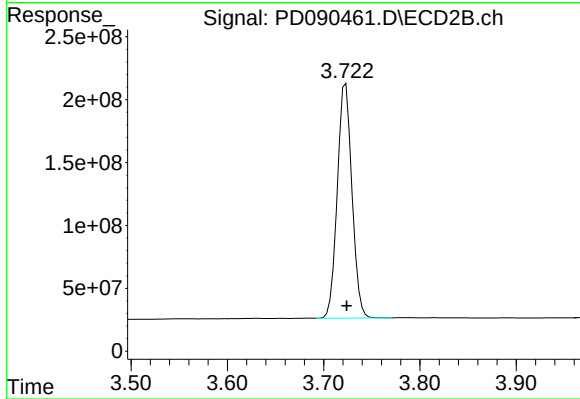
PB169874BS

Manual Integrations

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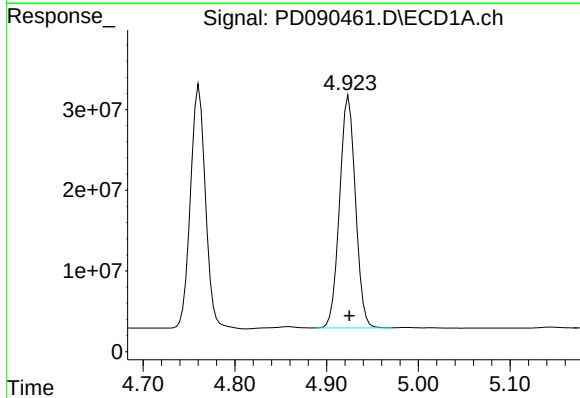
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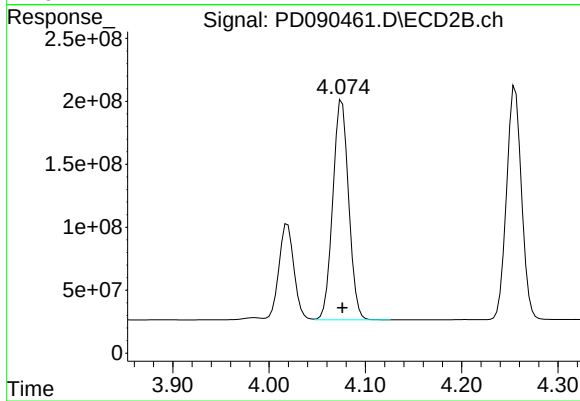
#3 gamma-BHC (Lindane)

R.T.: 3.723 min  
Delta R.T.: 0.000 min  
Response: 1970221721  
Conc: 48.37 ng/ml



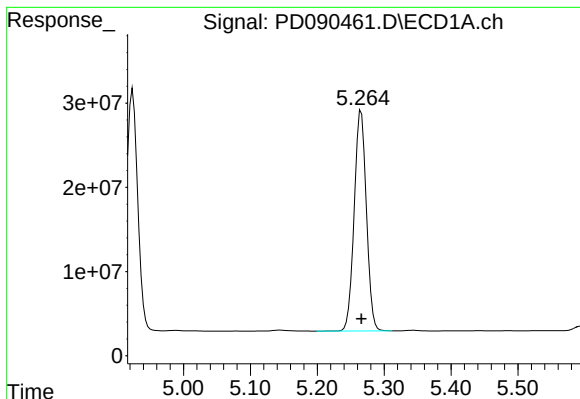
#4 Heptachlor

R.T.: 4.924 min  
Delta R.T.: 0.000 min  
Response: 345471365  
Conc: 52.24 ng/ml



#4 Heptachlor

R.T.: 4.076 min  
Delta R.T.: 0.000 min  
Response: 2000945505  
Conc: 49.14 ng/ml



#5 Aldrin

R.T.: 5.266 min  
Delta R.T.: 0.000 min  
Response: 331540263  
Conc: 52.21 ng/ml

Instrument :

ECD\_D

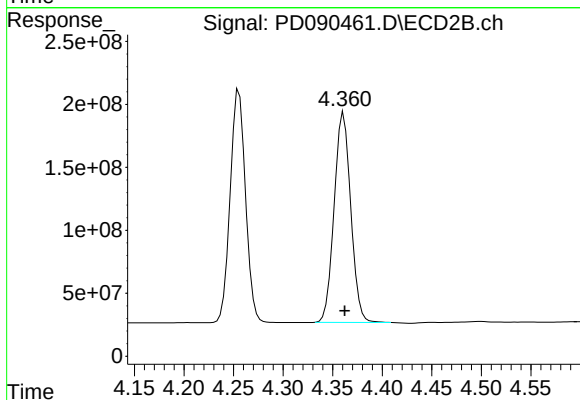
ClientSampleId :

PB169874BS

Manual Integrations

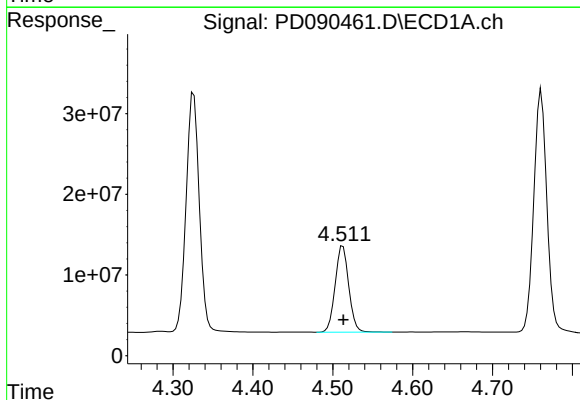
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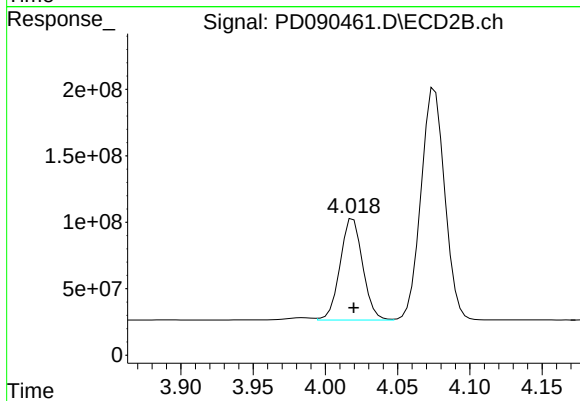
#5 Aldrin

R.T.: 4.361 min  
Delta R.T.: -0.001 min  
Response: 1942908037  
Conc: 48.65 ng/ml



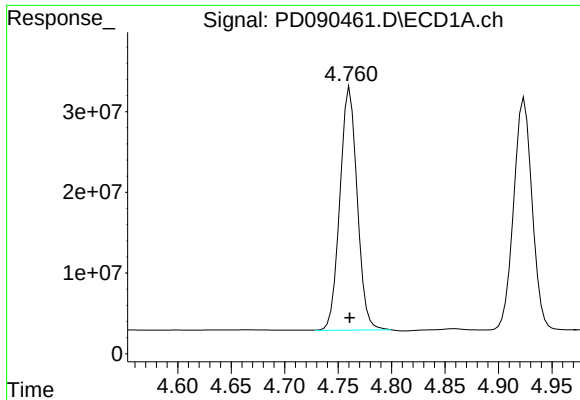
#6 beta-BHC

R.T.: 4.513 min  
Delta R.T.: 0.000 min  
Response: 125950471  
Conc: 48.82 ng/ml



#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 828624598  
Conc: 47.80 ng/ml



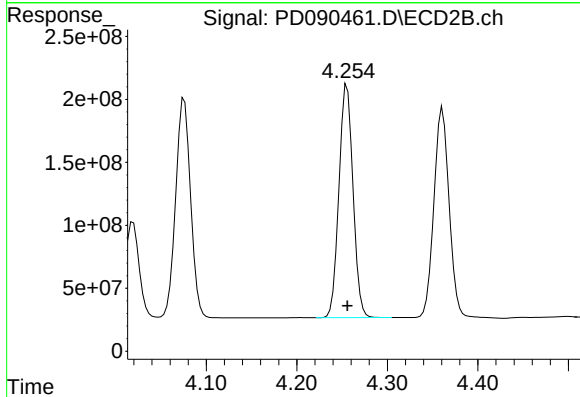
#7 delta-BHC

R.T.: 4.760 min  
Delta R.T.: -0.001 min  
Response: 339468746  
Conc: 52.57 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169874BS

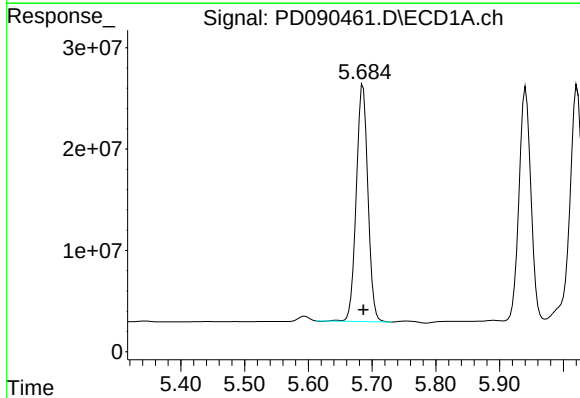
Manual Integrations  
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Supervised By :mohammad ahmed 10/03/2025



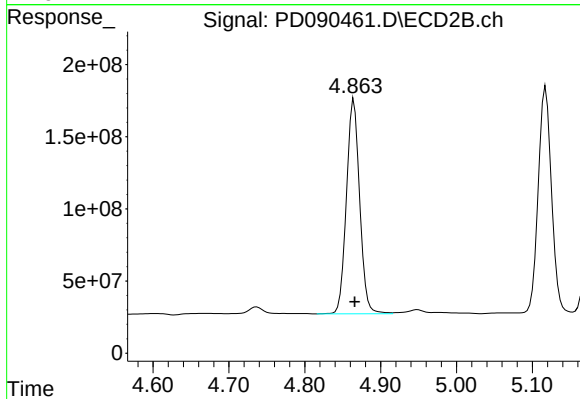
#7 delta-BHC

R.T.: 4.256 min  
Delta R.T.: 0.000 min  
Response: 1996181847  
Conc: 48.34 ng/ml



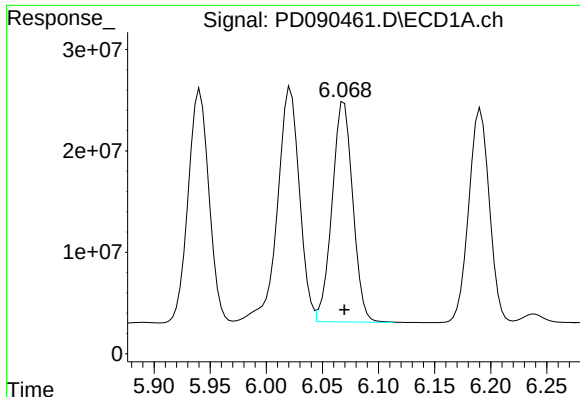
#8 Heptachlor epoxide

R.T.: 5.686 min  
Delta R.T.: 0.000 min  
Response: 296134888  
Conc: 51.82 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min  
Delta R.T.: -0.001 min  
Response: 1803443252  
Conc: 48.92 ng/ml



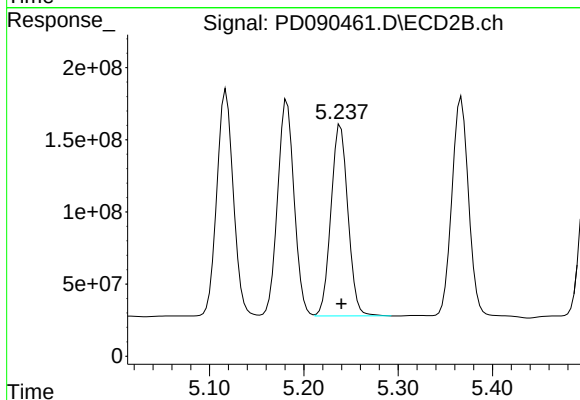
#9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: -0.002 min  
Response: 278895868  
Conc: 51.63 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169874BS

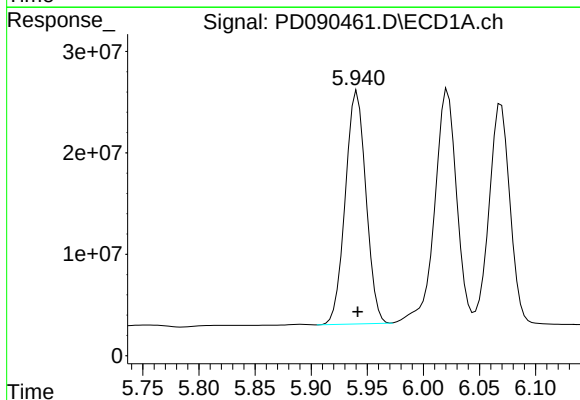
Manual Integrations  
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Supervised By :mohammad ahmed 10/03/2025



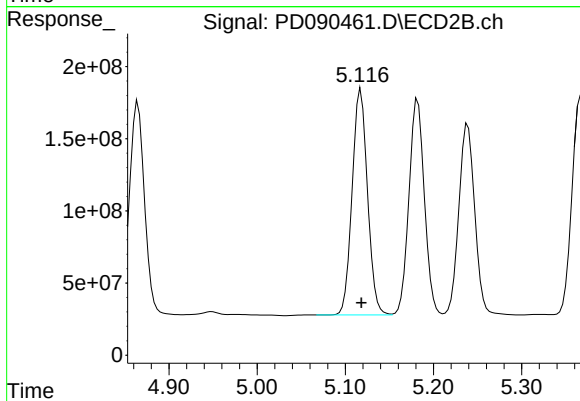
#9 Endosulfan I

R.T.: 5.239 min  
Delta R.T.: 0.000 min  
Response: 1656962775  
Conc: 47.88 ng/ml



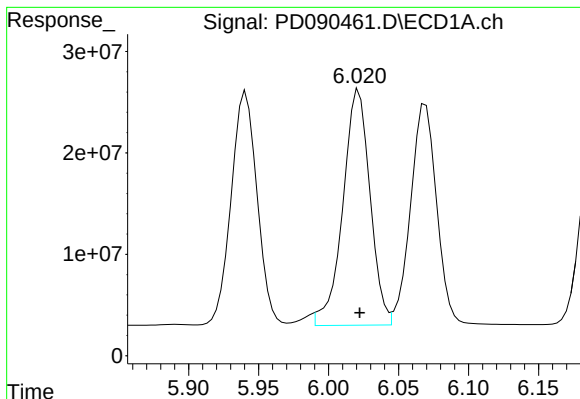
#10 gamma-Chlordane

R.T.: 5.941 min  
Delta R.T.: 0.000 min  
Response: 293424141  
Conc: 51.37 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min  
Delta R.T.: 0.000 min  
Response: 1898560428  
Conc: 48.33 ng/ml



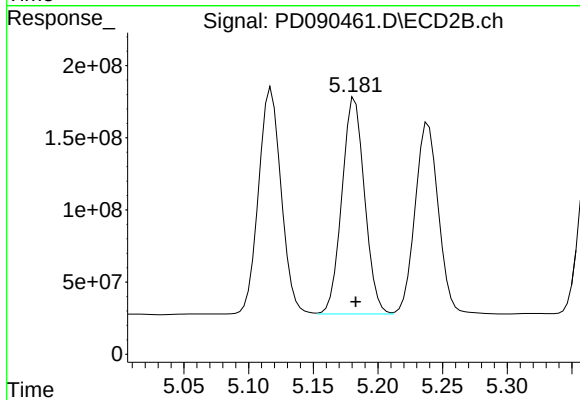
#11 alpha-Chlordane

R.T.: 6.020 min  
Delta R.T.: -0.002 min  
Response: 313905856  
Conc: 54.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169874BS

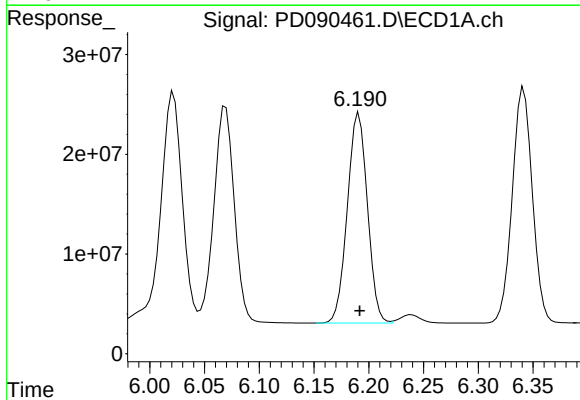
Manual Integrations  
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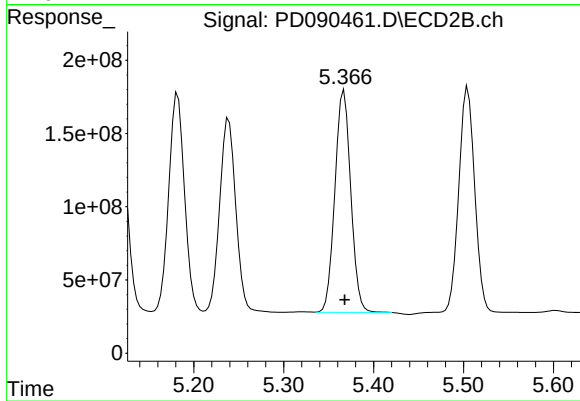
#11 alpha-Chlordane

R.T.: 5.182 min  
Delta R.T.: 0.000 min  
Response: 1823419306  
Conc: 48.41 ng/ml



#12 4,4'-DDE

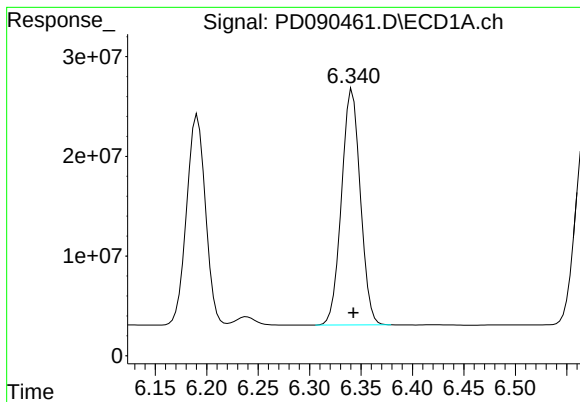
R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 269272824  
Conc: 51.71 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min  
Delta R.T.: 0.000 min  
Response: 1859646892  
Conc: 48.58 ng/ml





#13 Dieldrin

R.T.: 6.342 min  
Delta R.T.: -0.001 min  
Response: 301431739  
Conc: 52.29 ng/ml

Instrument :

ECD\_D

ClientSampleId :

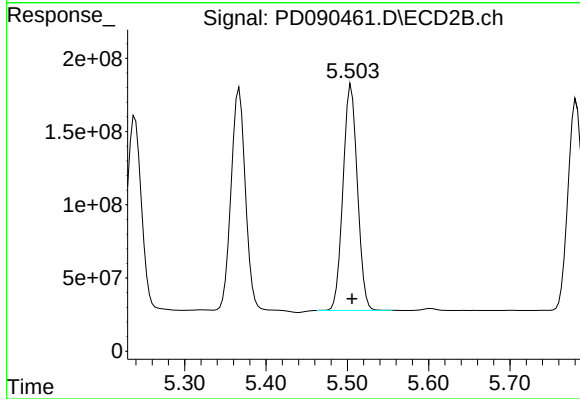
PB169874BS

Manual Integrations

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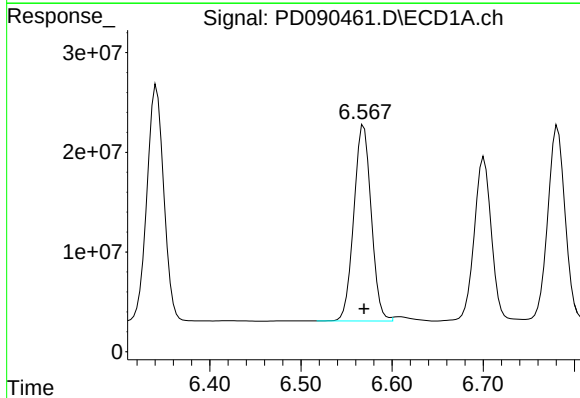
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025



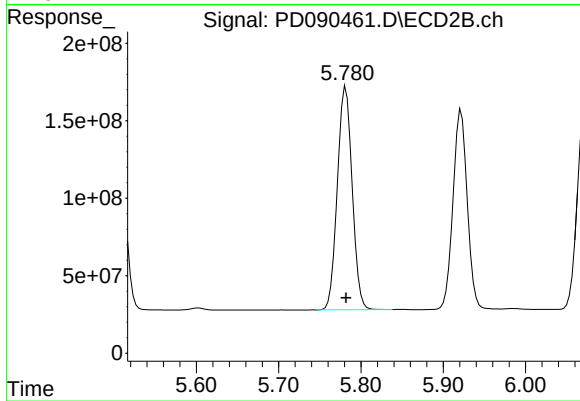
#13 Dieldrin

R.T.: 5.505 min  
Delta R.T.: -0.001 min  
Response: 1891351604  
Conc: 48.56 ng/ml



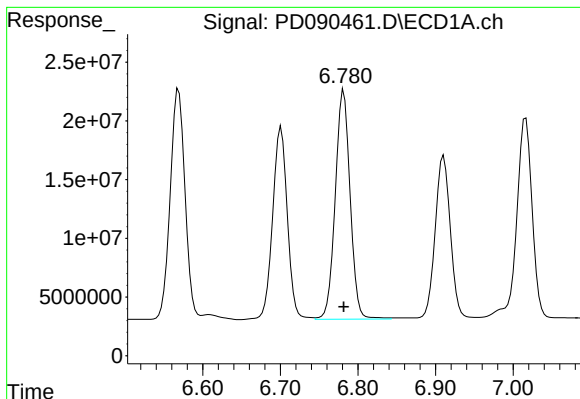
#14 Endrin

R.T.: 6.569 min  
Delta R.T.: 0.000 min  
Response: 260570782  
Conc: 53.24 ng/ml



#14 Endrin

R.T.: 5.782 min  
Delta R.T.: 0.000 min  
Response: 1802324385  
Conc: 50.30 ng/ml



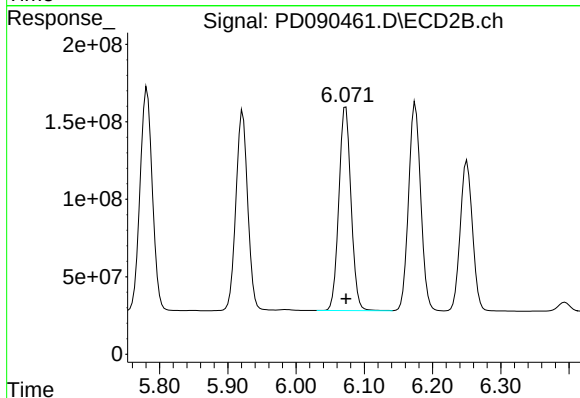
#15 Endosulfan II

R.T.: 6.782 min  
Delta R.T.: 0.000 min  
Response: 260156719  
Conc: 53.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169874BS

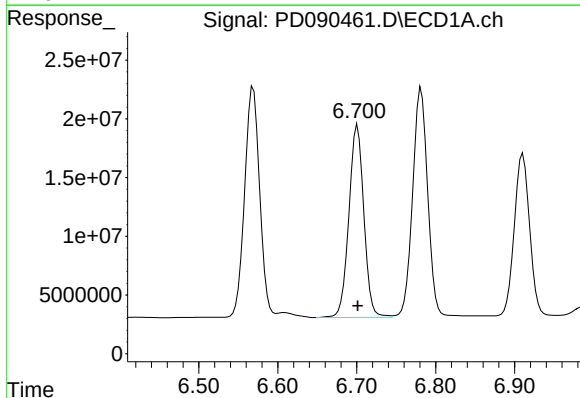
Manual Integrations  
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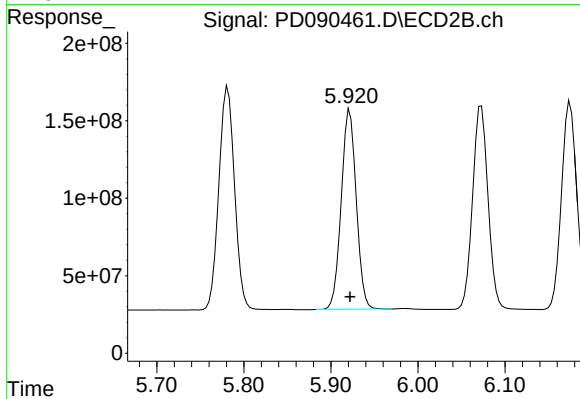
#15 Endosulfan II

R.T.: 6.073 min  
Delta R.T.: 0.000 min  
Response: 1629966538  
Conc: 48.29 ng/ml



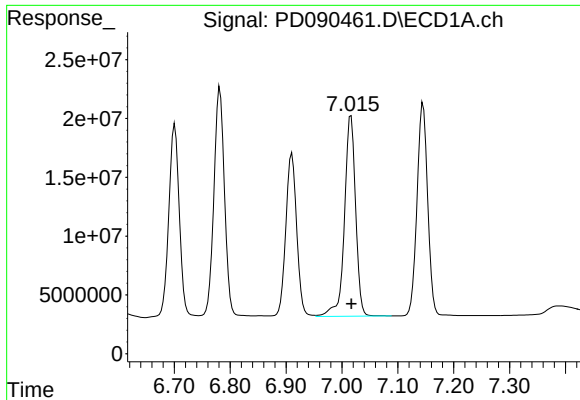
#16 4,4'-DDD

R.T.: 6.701 min  
Delta R.T.: 0.000 min  
Response: 216354613  
Conc: 52.80 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min  
Delta R.T.: 0.000 min  
Response: 1544666035  
Conc: 47.63 ng/ml



#17 4,4'-DDT

R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 237015895  
Conc: 53.23 ng/ml

Instrument :

ECD\_D

ClientSampleId :

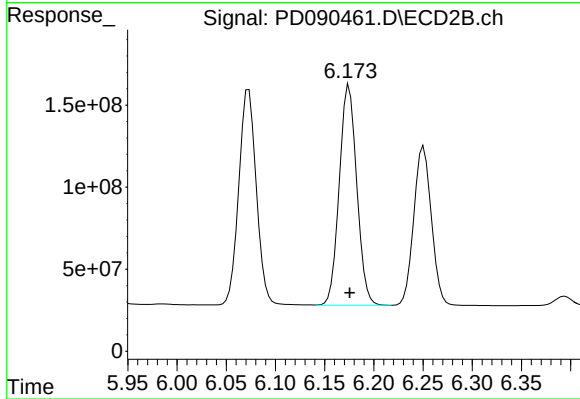
PB169874BS

Manual Integrations

APPROVED

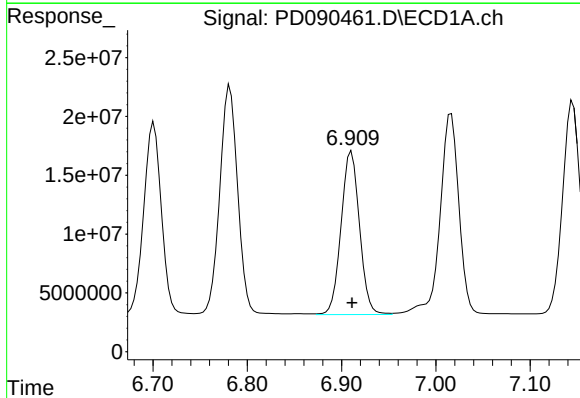
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025



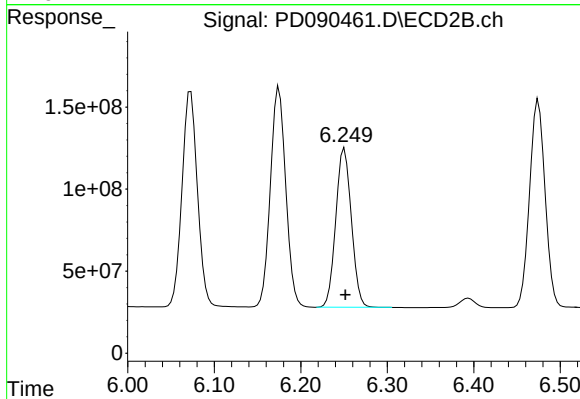
#17 4,4'-DDT

R.T.: 6.175 min  
Delta R.T.: 0.000 min  
Response: 1661171696  
Conc: 48.32 ng/ml



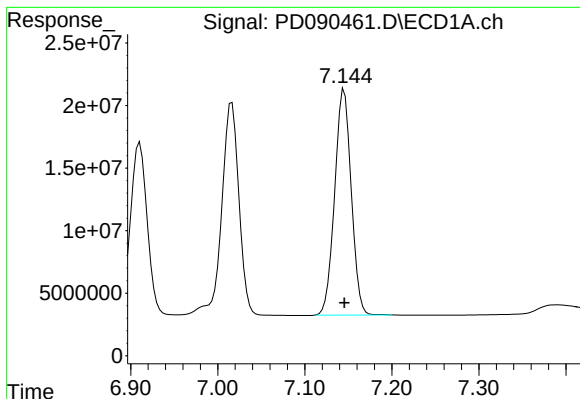
#18 Endrin aldehyde

R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 188879055  
Conc: 55.06 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min  
Delta R.T.: 0.000 min  
Response: 1206304248  
Conc: 51.23 ng/ml



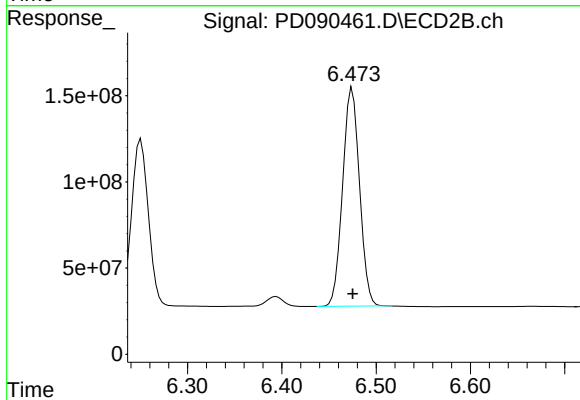
#19 Endosulfan Sulfate

R.T.: 7.145 min  
Delta R.T.: 0.000 min  
Response: 239002532  
Conc: 51.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169874BS

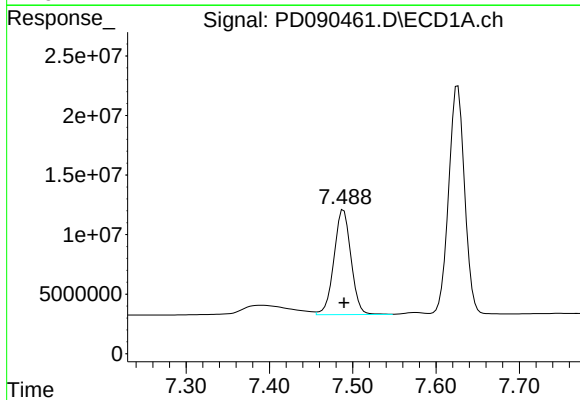
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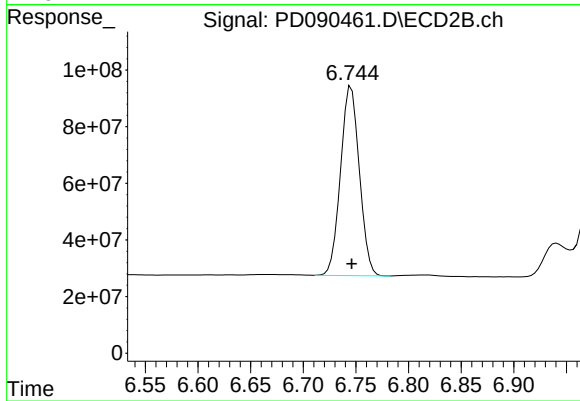
#19 Endosulfan Sulfate

R.T.: 6.475 min  
Delta R.T.: 0.000 min  
Response: 1581269610  
Conc: 48.37 ng/ml



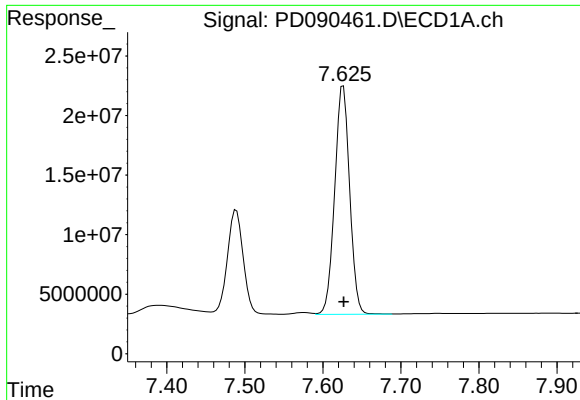
#20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 125218585  
Conc: 53.14 ng/ml



#20 Methoxychlor

R.T.: 6.746 min  
Delta R.T.: 0.000 min  
Response: 835756853  
Conc: 48.03 ng/ml



#21 Endrin ketone

R.T.: 7.626 min  
Delta R.T.: 0.000 min  
Response: 255385622  
Conc: 51.62 ng/ml

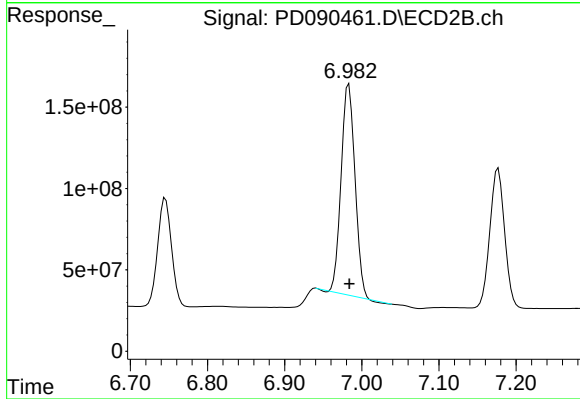
Instrument :

ECD\_D

ClientSampleId :  
PB169874BS

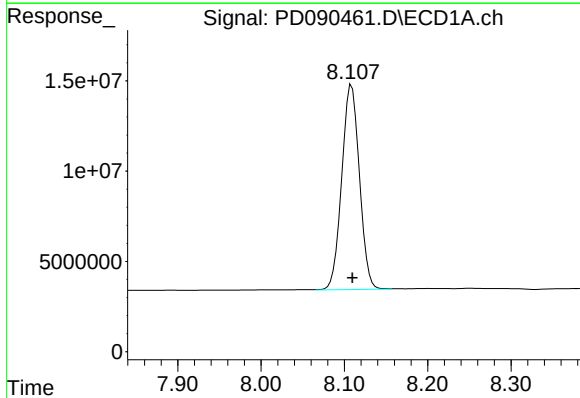
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/01/2025  
Supervised By :mohammad ahmed 10/03/2025



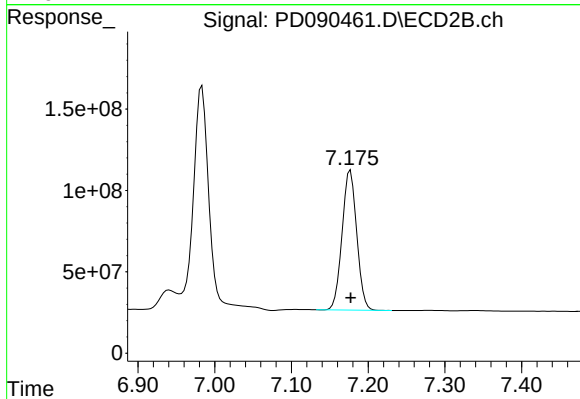
#21 Endrin ketone

R.T.: 6.983 min  
Delta R.T.: 0.000 min  
Response: 1601697917  
Conc: 44.36 ng/ml



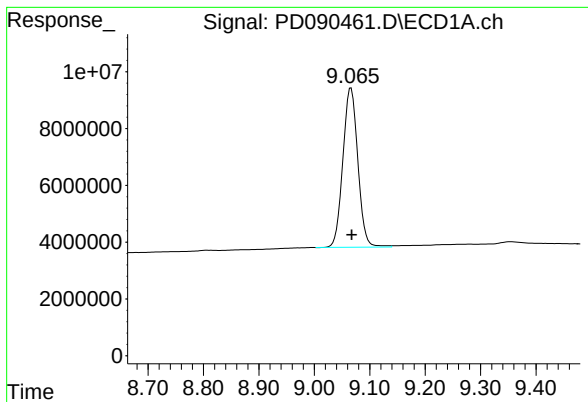
#22 Mirex

R.T.: 8.107 min  
Delta R.T.: -0.002 min  
Response: 167084013  
Conc: 45.10 ng/ml m



#22 Mirex

R.T.: 7.177 min  
Delta R.T.: 0.000 min  
Response: 1139633854  
Conc: 41.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: -0.001 min  
Response: 105195011  
Conc: 21.80 ng/ml

Instrument :

ECD\_D

ClientSampleId :

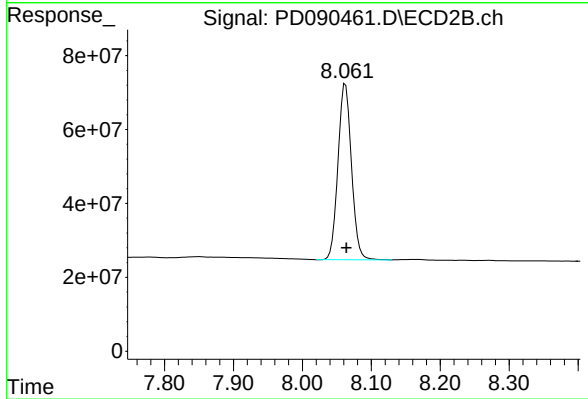
PB169874BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min  
Delta R.T.: -0.001 min  
Response: 648726973  
Conc: 20.01 ng/ml