

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD093025\  
 Data File : PD090465.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 30 Sep 2025 18:08  
 Operator : AR\AJ  
 Sample : PB169902BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB169902BS

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 02:23:13 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 | 65001025 | 547.9E6  | 19.998  | 19.961  |
| 2)                          | SA Decachlor... | 9.067 | 8.063 | 107.2E6  | 664.9E6  | 22.221  | 20.513  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.995 | 3.387 | 367.3E6  | 2138.2E6 | 52.584  | 48.836  |
| 3)                          | MA gamma-BHC... | 4.326 | 3.723 | 342.2E6  | 1980.8E6 | 51.720  | 48.625  |
| 4)                          | MA Heptachlor   | 4.924 | 4.075 | 353.3E6  | 2019.9E6 | 53.431  | 49.610  |
| 5)                          | MB Aldrin       | 5.265 | 4.361 | 337.2E6  | 1960.6E6 | 53.107  | 49.096  |
| 6)                          | B beta-BHC      | 4.513 | 4.019 | 127.9E6  | 832.3E6  | 49.565  | 48.015  |
| 7)                          | B delta-BHC     | 4.760 | 4.255 | 347.1E6  | 2011.0E6 | 53.752m | 48.699  |
| 8)                          | B Heptachlo...  | 5.686 | 4.864 | 303.9E6  | 1827.3E6 | 53.181  | 49.568  |
| 9)                          | A Endosulfan I  | 6.068 | 5.239 | 283.3E6  | 1639.0E6 | 52.440m | 47.362  |
| 10)                         | B gamma-Chl...  | 5.941 | 5.117 | 299.7E6  | 1919.9E6 | 52.465  | 48.869  |
| 11)                         | B alpha-Chl...  | 6.021 | 5.182 | 319.7E6  | 1836.8E6 | 55.490m | 48.765  |
| 12)                         | B 4,4'-DDE      | 6.191 | 5.366 | 275.3E6  | 1891.0E6 | 52.860  | 49.402  |
| 13)                         | MA Dieldrin     | 6.343 | 5.504 | 308.1E6  | 1915.1E6 | 53.448  | 49.173  |
| 14)                         | MA Endrin       | 6.570 | 5.781 | 266.2E6  | 1878.6E6 | 54.401  | 52.427  |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 259.1E6  | 1649.9E6 | 53.116m | 48.885  |
| 16)                         | A 4,4'-DDD      | 6.702 | 5.921 | 223.3E6  | 1564.6E6 | 54.491  | 48.250  |
| 17)                         | MA 4,4'-DDT     | 7.017 | 6.175 | 241.9E6  | 1686.8E6 | 54.330  | 49.065  |
| 18)                         | B Endrin al...  | 6.911 | 6.251 | 194.3E6  | 1227.7E6 | 56.636  | 52.138  |
| 19)                         | B Endosulfa...  | 7.146 | 6.474 | 243.6E6  | 1609.2E6 | 52.958  | 49.226  |
| 20)                         | A Methoxychlor  | 7.490 | 6.745 | 132.1E6  | 846.2E6  | 56.074  | 48.631  |
| 21)                         | B Endrin ke...  | 7.627 | 6.981 | 259.5E6  | 1903.2E6 | 52.449  | 52.717m |
| 22)                         | Mirex           | 8.109 | 7.176 | 173.0E6  | 1162.9E6 | 46.682  | 42.124  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD093025\  
Data File : PD090465.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 30 Sep 2025 18:08  
Operator : AR\AJ  
Sample : PB169902BS  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PB169902BS

## Manual Integrations

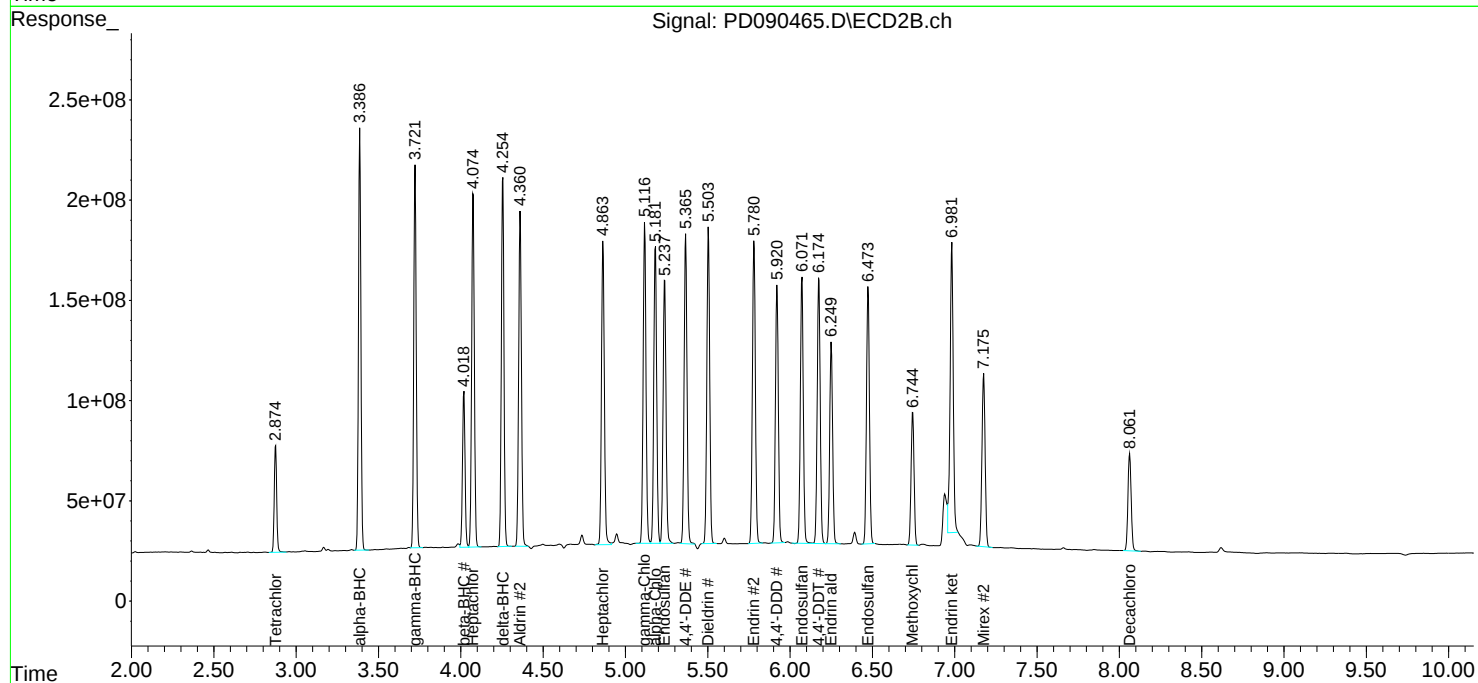
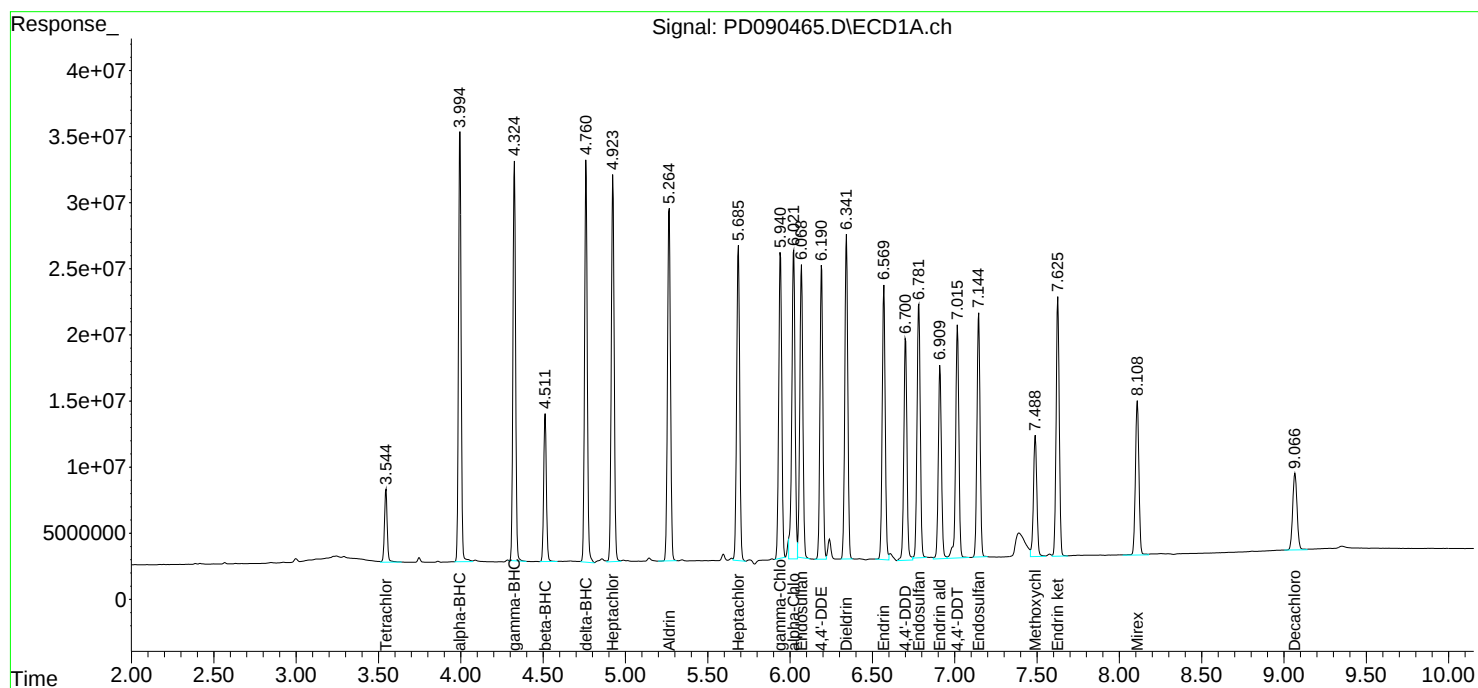
## APPROVED

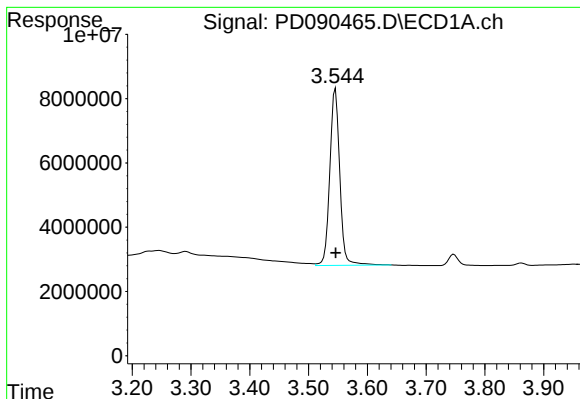
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 01 02:23:13 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: 65001025  
Conc: 20.00 ng/ml

Instrument :

ECD\_D

ClientSampleId :

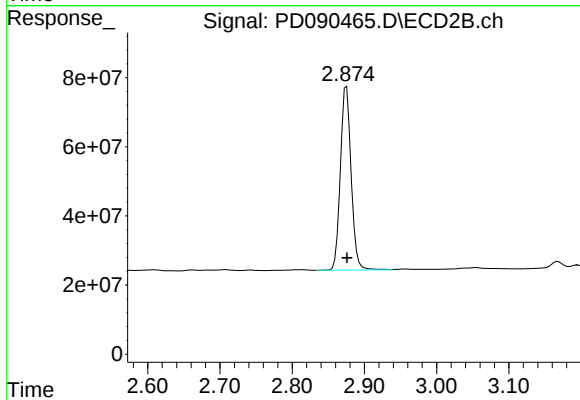
PB169902BS

Manual Integrations

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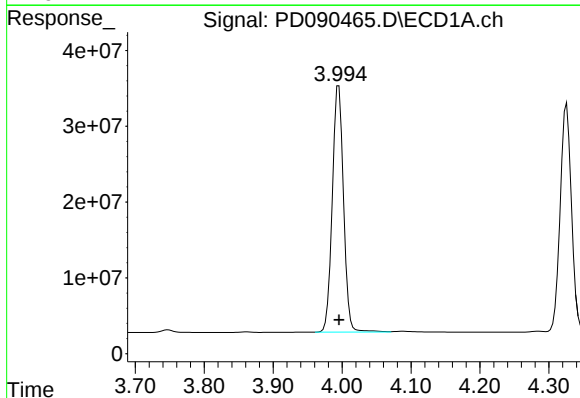
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025



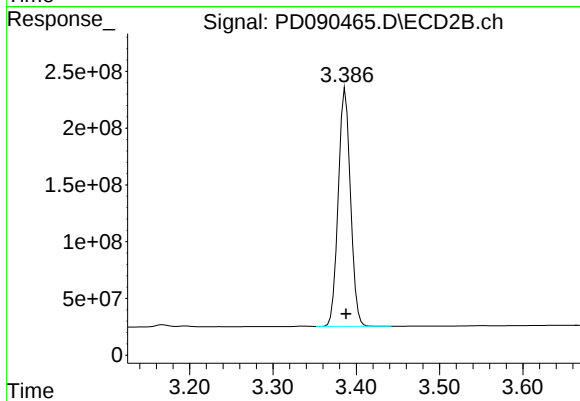
#1 Tetrachloro-m-xylene

R.T.: 2.875 min  
Delta R.T.: 0.000 min  
Response: 547936387  
Conc: 19.96 ng/ml



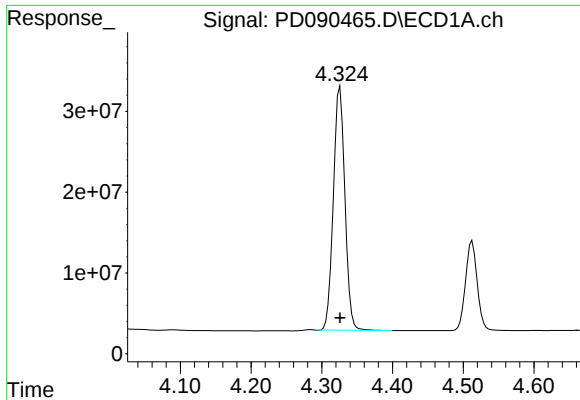
#2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 367271512  
Conc: 52.58 ng/ml



#2 alpha-BHC

R.T.: 3.387 min  
Delta R.T.: 0.000 min  
Response: 2138165361  
Conc: 48.84 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: 0.000 min  
Response: 342222114  
Conc: 51.72 ng/ml

Instrument :

ECD\_D

ClientSampleId :

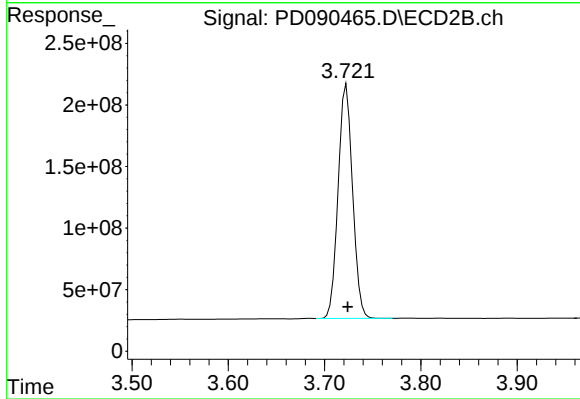
PB169902BS

Manual Integrations

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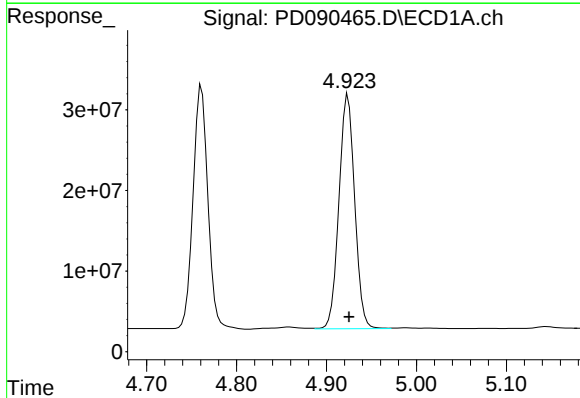
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025



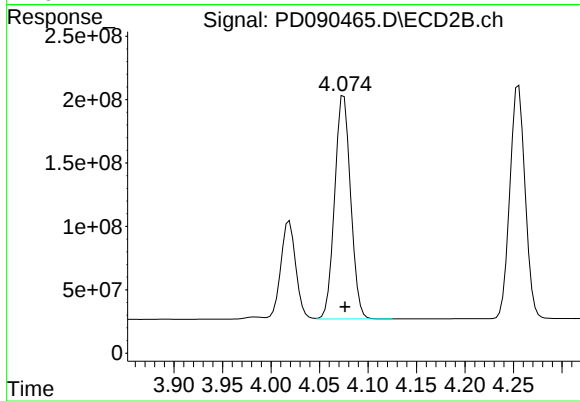
#3 gamma-BHC (Lindane)

R.T.: 3.723 min  
Delta R.T.: -0.001 min  
Response: 1980752288  
Conc: 48.62 ng/ml



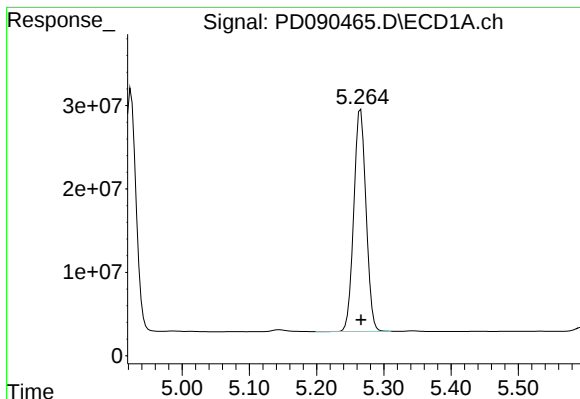
#4 Heptachlor

R.T.: 4.924 min  
Delta R.T.: -0.001 min  
Response: 353314892  
Conc: 53.43 ng/ml



#4 Heptachlor

R.T.: 4.075 min  
Delta R.T.: -0.001 min  
Response: 2019942433  
Conc: 49.61 ng/ml



#5 Aldrin

R.T.: 5.265 min  
Delta R.T.: 0.000 min  
Response: 337224780  
Conc: 53.11 ng/ml

Instrument :

ECD\_D

ClientSampleId :

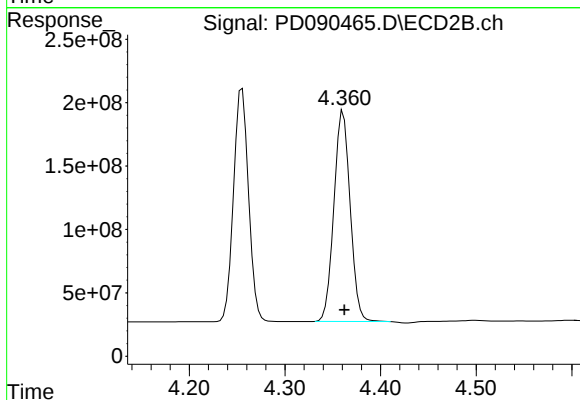
PB169902BS

Manual Integrations

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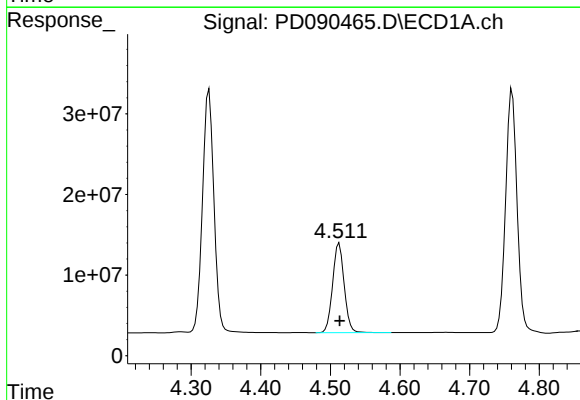
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025



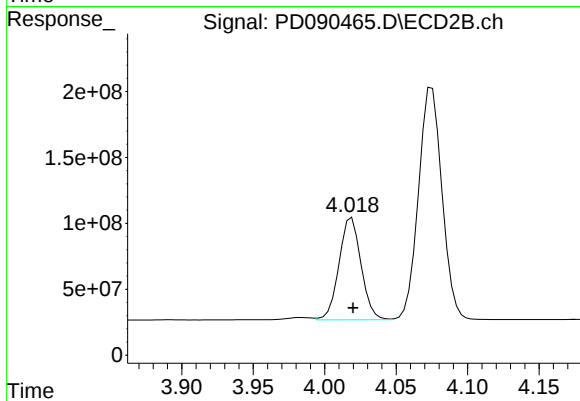
#5 Aldrin

R.T.: 4.361 min  
Delta R.T.: -0.001 min  
Response: 1960646499  
Conc: 49.10 ng/ml



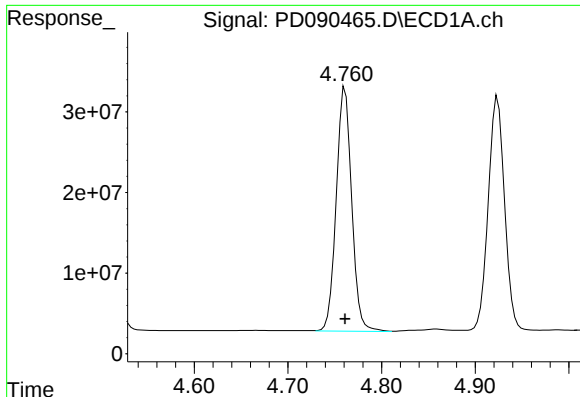
#6 beta-BHC

R.T.: 4.513 min  
Delta R.T.: 0.000 min  
Response: 127872558  
Conc: 49.56 ng/ml



#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 832348902  
Conc: 48.01 ng/ml



#7 delta-BHC

R.T.: 4.760 min  
Delta R.T.: -0.001 min  
Response: 347100424  
Conc: 53.75 ng/ml

Instrument :

ECD\_D

ClientSampleId :

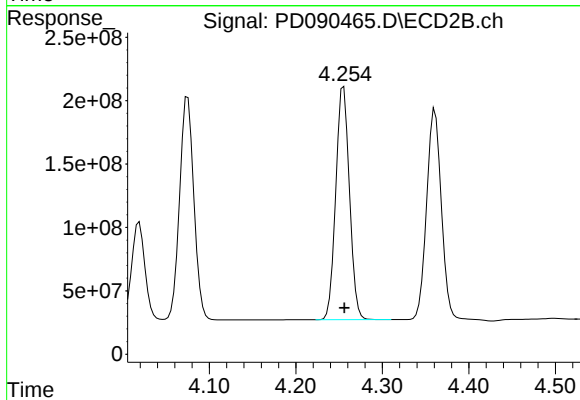
PB169902BS

Manual Integrations

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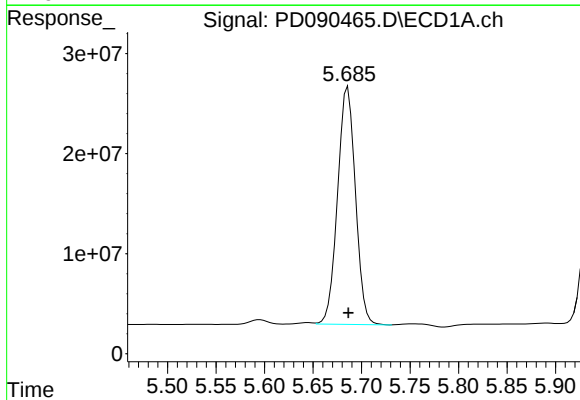
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025



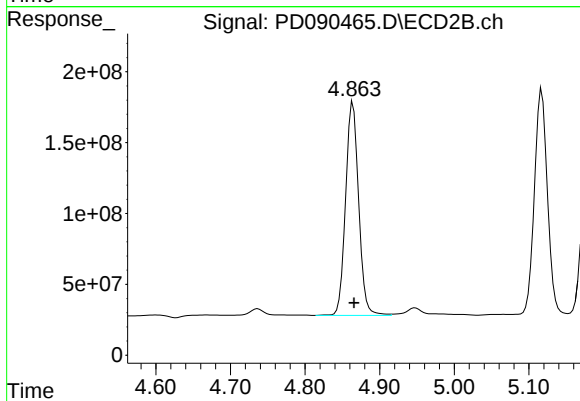
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 2011015484  
Conc: 48.70 ng/ml



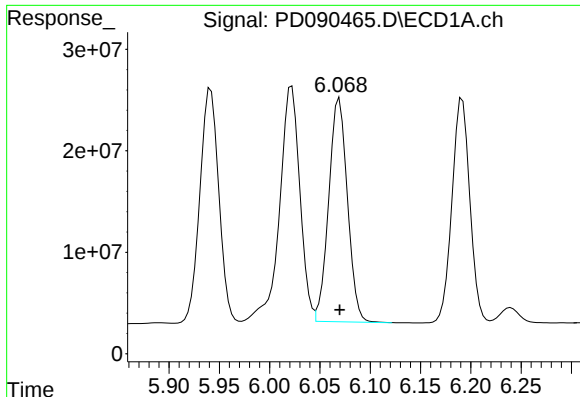
#8 Heptachlor epoxide

R.T.: 5.686 min  
Delta R.T.: 0.000 min  
Response: 303927551  
Conc: 53.18 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: -0.002 min  
Response: 1827341479  
Conc: 49.57 ng/ml



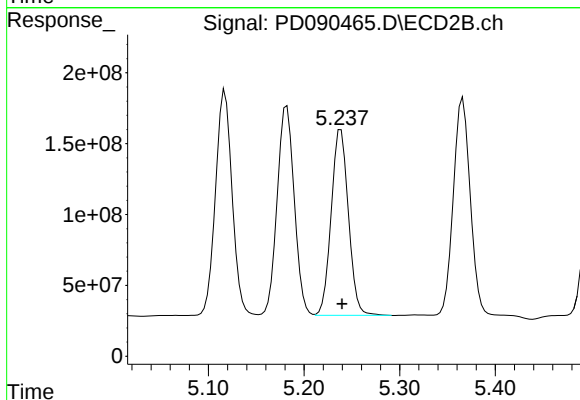
# #9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: -0.002 min  
Response: 283250250  
Conc: 52.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169902BS

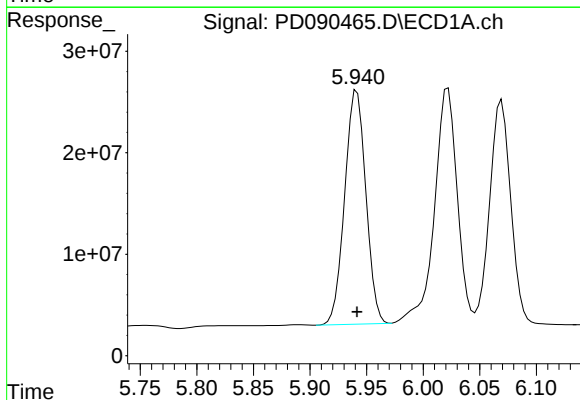
## Manual Integrations APPROVED

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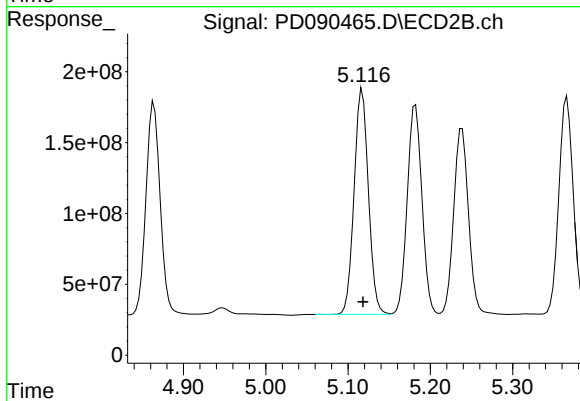
# #9 Endosulfan I

R.T.: 5.239 min  
Delta R.T.: -0.001 min  
Response: 1638971820  
Conc: 47.36 ng/ml



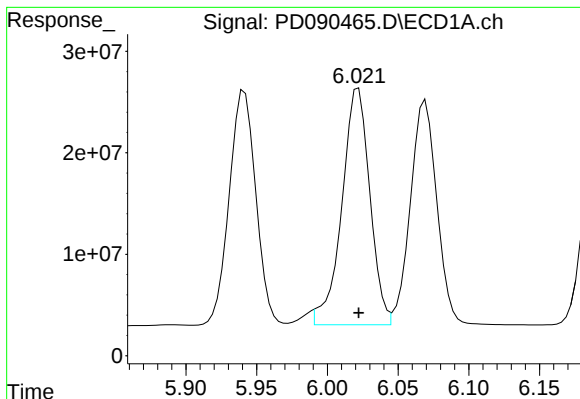
# #10 gamma-Chlordane

R.T.: 5.941 min  
Delta R.T.: 0.000 min  
Response: 299677977  
Conc: 52.47 ng/ml



# #10 gamma-Chlordane

R.T.: 5.117 min  
Delta R.T.: -0.001 min  
Response: 1919869868  
Conc: 48.87 ng/ml



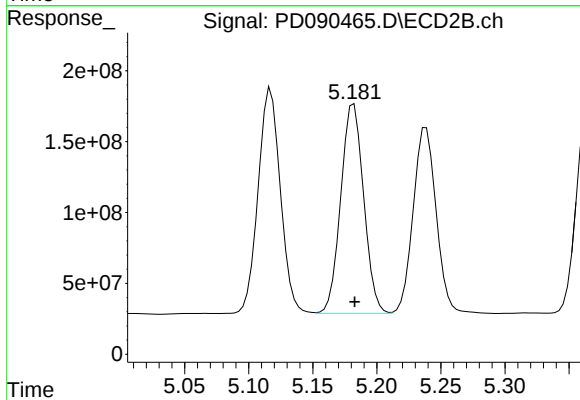
#11 alpha-Chlordane

R.T.: 6.021 min  
Delta R.T.: -0.002 min  
Response: 319668910  
Conc: 55.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169902BS

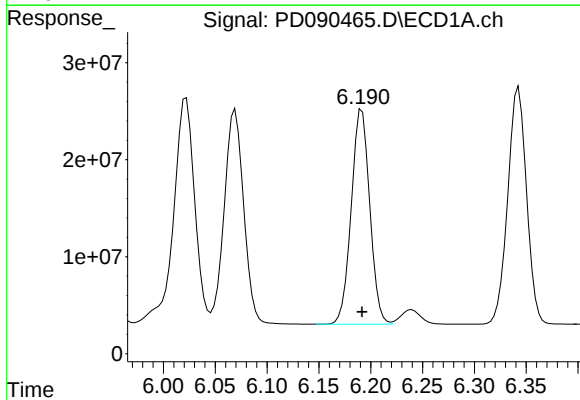
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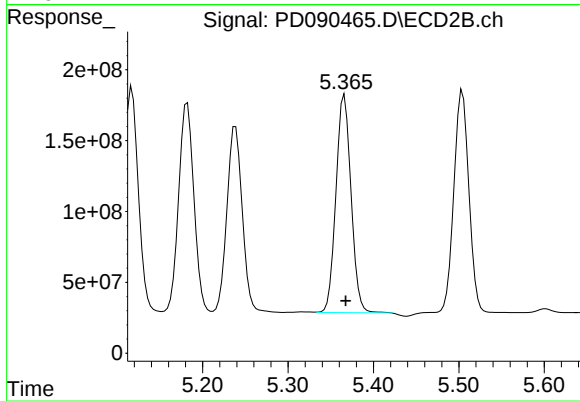
#11 alpha-Chlordane

R.T.: 5.182 min  
Delta R.T.: 0.000 min  
Response: 1836750178  
Conc: 48.77 ng/ml



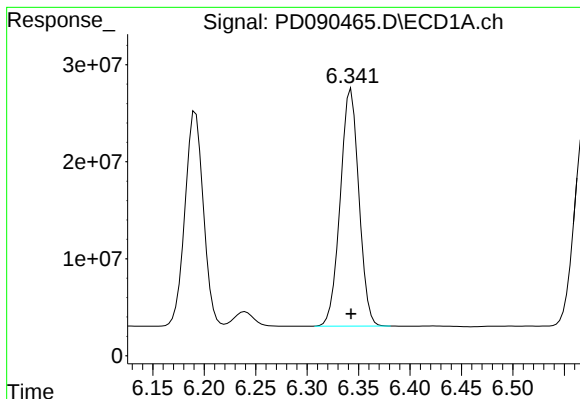
#12 4,4'-DDE

R.T.: 6.191 min  
Delta R.T.: 0.000 min  
Response: 275267666  
Conc: 52.86 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min  
Delta R.T.: -0.002 min  
Response: 1891042282  
Conc: 49.40 ng/ml



#13 Dieldrin

R.T.: 6.343 min  
Delta R.T.: 0.000 min  
Response: 308108557  
Conc: 53.45 ng/ml

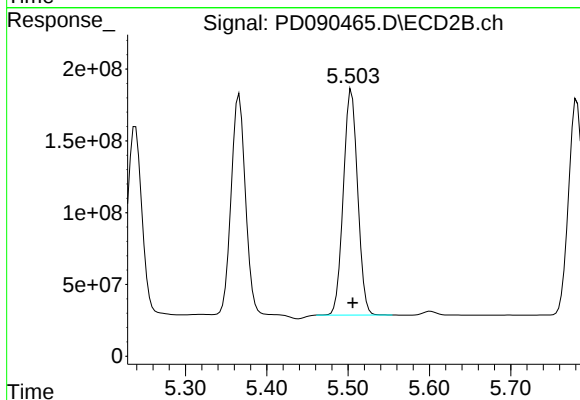
Instrument :

ECD\_D

ClientSampleId :  
PB169902BS

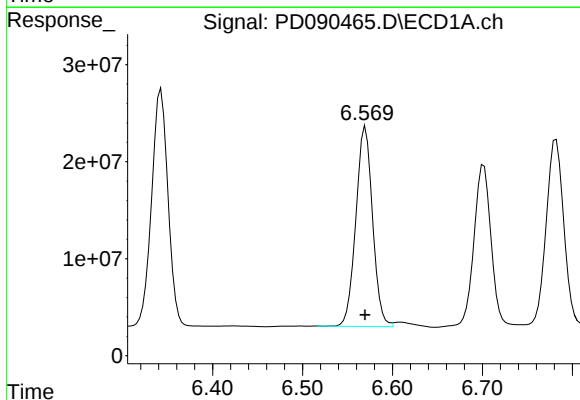
Manual Integrations  
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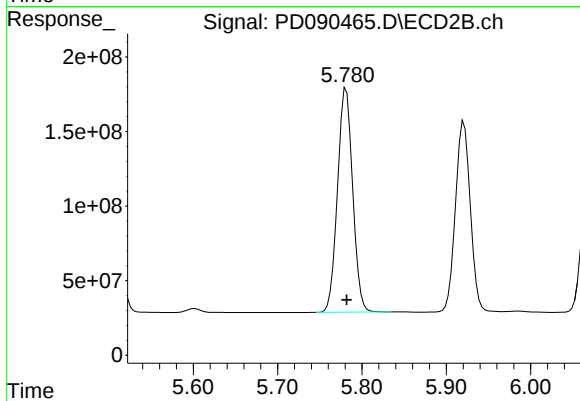
#13 Dieldrin

R.T.: 5.504 min  
Delta R.T.: -0.002 min  
Response: 1915097039  
Conc: 49.17 ng/ml



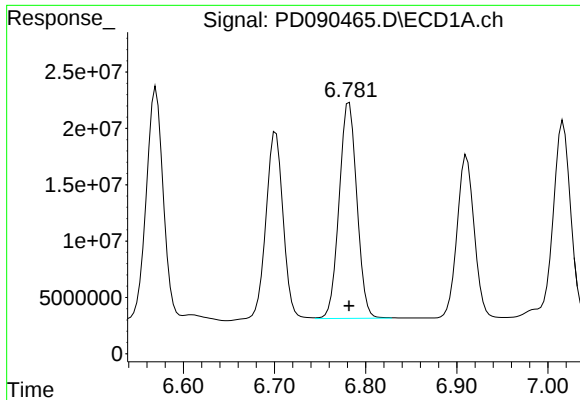
#14 Endrin

R.T.: 6.570 min  
Delta R.T.: 0.000 min  
Response: 266234794  
Conc: 54.40 ng/ml



#14 Endrin

R.T.: 5.781 min  
Delta R.T.: 0.000 min  
Response: 1878572052  
Conc: 52.43 ng/ml



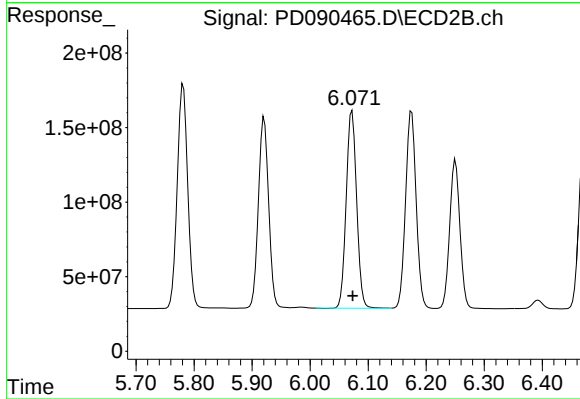
#15 Endosulfan II

R.T.: 6.781 min  
Delta R.T.: -0.001 min  
Response: 259090034  
Conc: 53.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169902BS

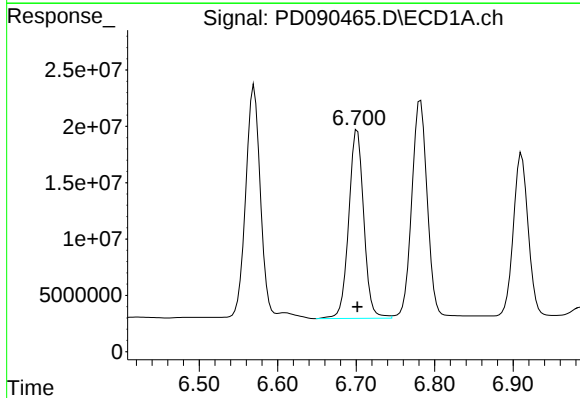
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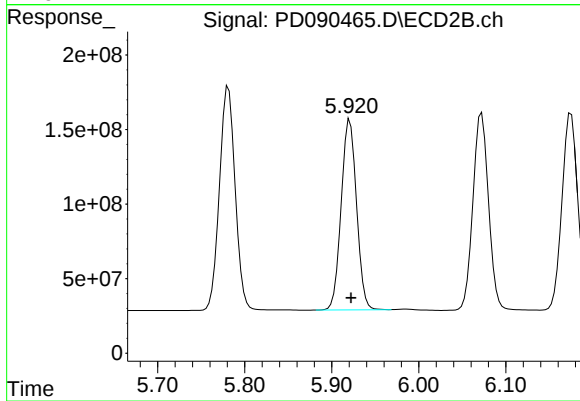
#15 Endosulfan II

R.T.: 6.072 min  
Delta R.T.: 0.000 min  
Response: 1649892330  
Conc: 48.88 ng/ml



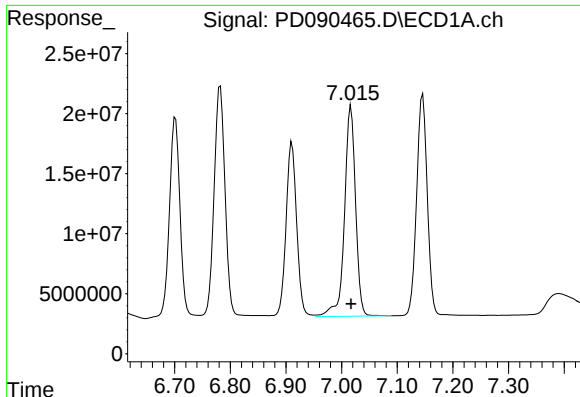
#16 4,4'-DDD

R.T.: 6.702 min  
Delta R.T.: 0.000 min  
Response: 223294808  
Conc: 54.49 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min  
Delta R.T.: -0.001 min  
Response: 1564645253  
Conc: 48.25 ng/ml



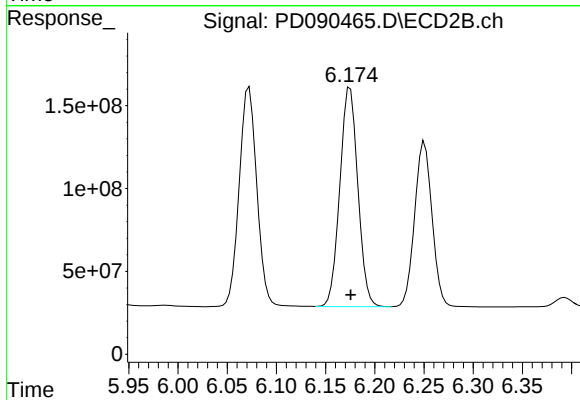
#17 4,4'-DDT

R.T.: 7.017 min  
Delta R.T.: 0.000 min  
Response: 241900737  
Conc: 54.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169902BS

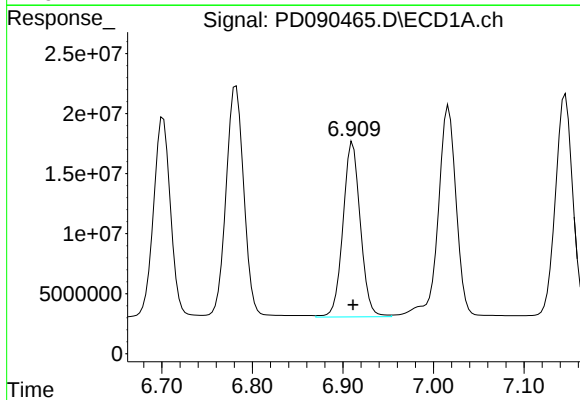
Manual Integrations  
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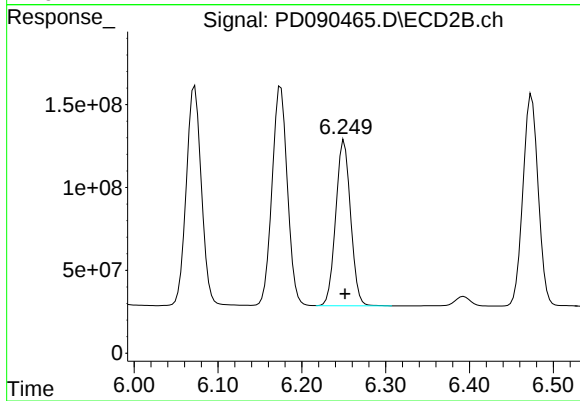
#17 4,4'-DDT

R.T.: 6.175 min  
Delta R.T.: 0.000 min  
Response: 1686792225  
Conc: 49.06 ng/ml



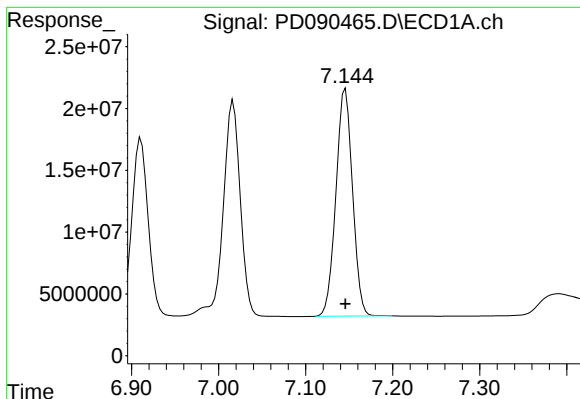
#18 Endrin aldehyde

R.T.: 6.911 min  
Delta R.T.: 0.000 min  
Response: 194293446  
Conc: 56.64 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min  
Delta R.T.: -0.001 min  
Response: 1227674543  
Conc: 52.14 ng/ml



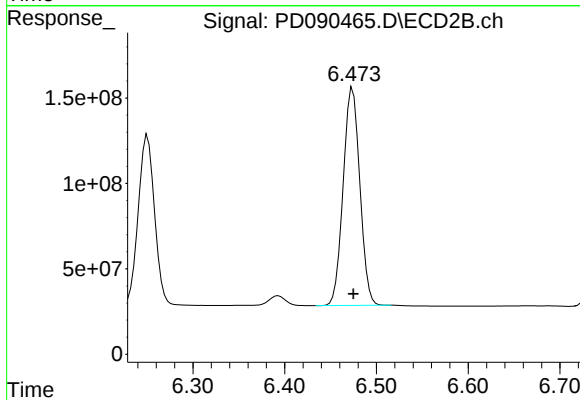
#19 Endosulfan Sulfate

R.T.: 7.146 min  
Delta R.T.: 0.000 min  
Response: 243626592  
Conc: 52.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169902BS

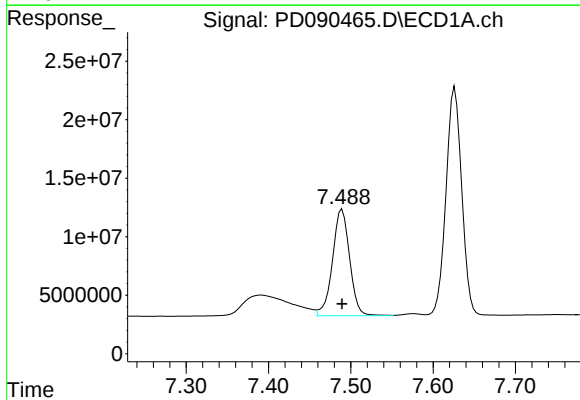
Manual Integrations  
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Reviewed By :Abdul Mirza 10/01/2025  
Supervised By :mohammad ahmed 10/03/2025



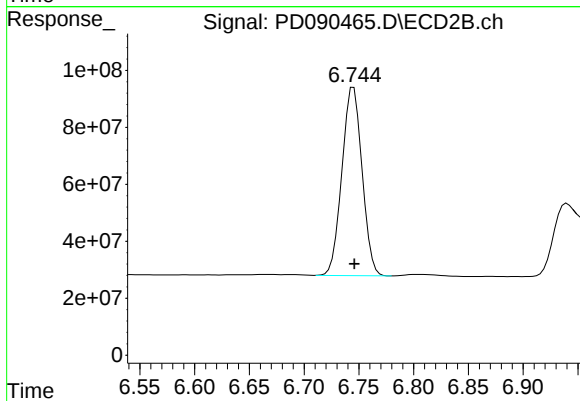
#19 Endosulfan Sulfate

R.T.: 6.474 min  
Delta R.T.: 0.000 min  
Response: 1609226340  
Conc: 49.23 ng/ml



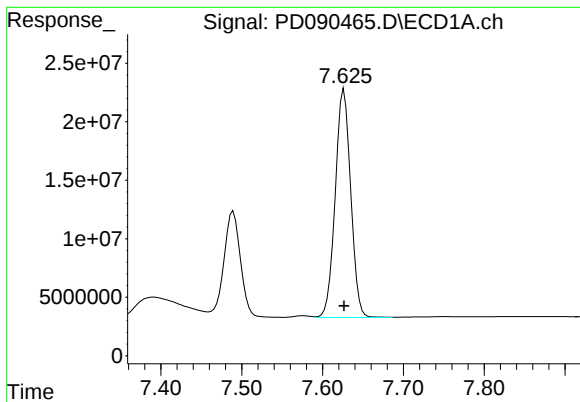
#20 Methoxychlor

R.T.: 7.490 min  
Delta R.T.: 0.000 min  
Response: 132138467  
Conc: 56.07 ng/ml



#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: 0.000 min  
Response: 846204099  
Conc: 48.63 ng/ml



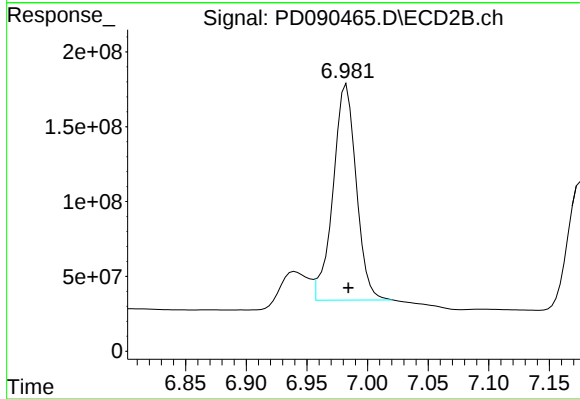
#21 Endrin ketone

R.T.: 7.627 min  
Delta R.T.: 0.000 min  
Response: 259485669  
Conc: 52.45 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169902BS

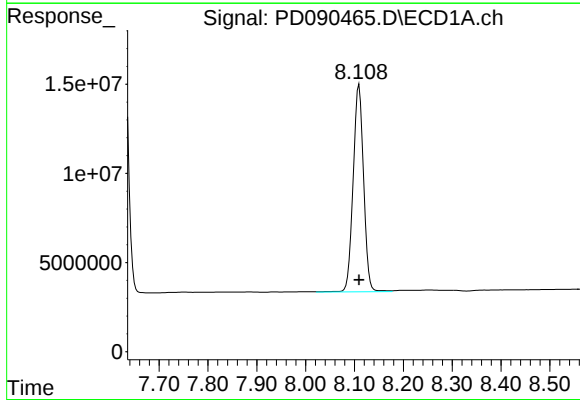
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/01/2025  
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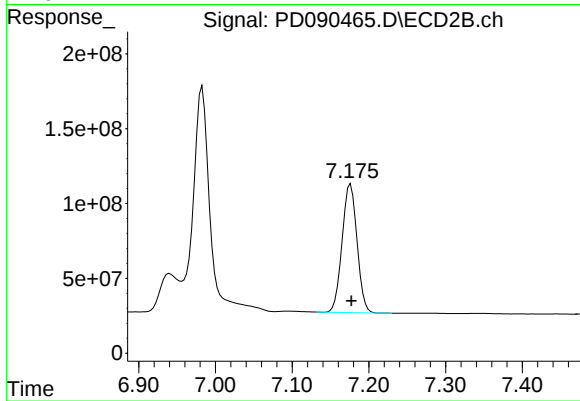
#21 Endrin ketone

R.T.: 6.981 min  
Delta R.T.: -0.003 min  
Response: 1903232358  
Conc: 52.72 ng/ml m



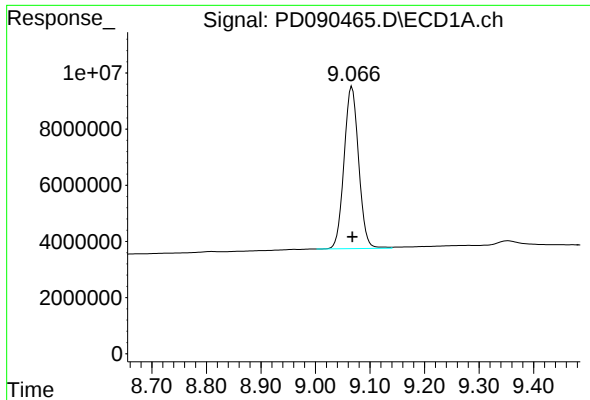
#22 Mirex

R.T.: 8.109 min  
Delta R.T.: 0.000 min  
Response: 172951703  
Conc: 46.68 ng/ml



#22 Mirex

R.T.: 7.176 min  
Delta R.T.: -0.001 min  
Response: 1162870109  
Conc: 42.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min  
Delta R.T.: 0.000 min  
Response: 107219981  
Conc: 22.22 ng/ml

Instrument :

ECD\_D

ClientSampleId :

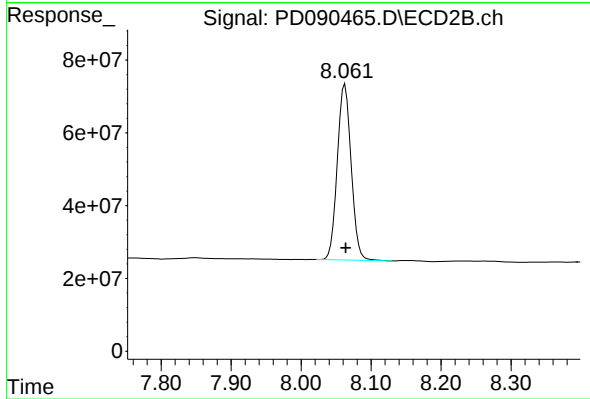
PB169902BS

Manual Integrations

APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.063 min  
Delta R.T.: -0.001 min  
Response: 664938504  
Conc: 20.51 ng/ml