

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090525\  
 Data File : PD090170.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 05 Sep 2025 16:53  
 Operator : AR\AJ  
 Sample : PB169565BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB169565BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 09/08/2025  
 Supervised By : mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 06 03:11:29 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081825.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Aug 19 13:16:54 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... | 3.556 | 2.877 | 55473325 | 427.7E6  | 18.902 | 19.396  |
| 28)                         | SA Decachlor... | 9.081 | 8.067 | 82563088 | 519.3E6  | 19.130 | 20.063  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 4.006 | 3.388 | 314.6E6  | 1761.9E6 | 52.417 | 51.913m |
| 3)                          | MA gamma-BHC... | 4.337 | 3.726 | 299.2E6  | 1636.4E6 | 52.254 | 52.498  |
| 4)                          | MA Heptachlor   | 4.936 | 4.078 | 291.2E6  | 1604.9E6 | 51.912 | 51.452  |
| 5)                          | MB Aldrin       | 5.277 | 4.364 | 294.5E6  | 1639.6E6 | 54.384 | 53.836  |
| 6)                          | B beta-BHC      | 4.524 | 4.022 | 114.5E6  | 707.9E6  | 51.029 | 53.104  |
| 7)                          | B delta-BHC     | 4.772 | 4.258 | 215.2E6  | 1281.1E6 | 41.564 | 40.605  |
| 8)                          | B Heptachlo...  | 5.698 | 4.869 | 262.1E6  | 1524.9E6 | 53.415 | 55.062  |
| 9)                          | A Endosulfan I  | 6.081 | 5.243 | 247.2E6  | 1396.0E6 | 53.566 | 53.238  |
| 10)                         | B gamma-Chl...  | 5.953 | 5.120 | 251.8E6  | 1611.8E6 | 51.484 | 54.430m |
| 11)                         | B alpha-Chl...  | 6.033 | 5.186 | 263.3E6  | 1562.8E6 | 53.484 | 54.761  |
| 12)                         | B 4,4'-DDE      | 6.203 | 5.371 | 234.0E6  | 1577.6E6 | 53.316 | 54.734  |
| 13)                         | MA Dieldrin     | 6.354 | 5.509 | 265.0E6  | 1610.5E6 | 54.126 | 54.989  |
| 14)                         | MA Endrin       | 6.582 | 5.785 | 205.9E6  | 1428.3E6 | 49.703 | 53.632m |
| 15)                         | B Endosulfa...  | 6.794 | 6.078 | 188.8E6  | 1406.9E6 | 44.736 | 55.622  |
| 16)                         | A 4,4'-DDD      | 6.713 | 5.926 | 198.4E6  | 1392.2E6 | 57.366 | 57.903  |
| 17)                         | MA 4,4'-DDT     | 7.028 | 6.180 | 178.9E6  | 1246.9E6 | 46.954 | 49.737  |
| 18)                         | B Endrin al...  | 6.922 | 6.256 | 165.5E6  | 1043.4E6 | 57.726 | 60.592  |
| 19)                         | B Endosulfa...  | 7.157 | 6.479 | 196.2E6  | 1260.1E6 | 50.070 | 51.685  |
| 20)                         | A Methoxychlor  | 7.501 | 6.750 | 89682288 | 621.4E6  | 44.716 | 48.184  |
| 21)                         | B Endrin ke...  | 7.638 | 6.988 | 223.4E6  | 1498.6E6 | 53.914 | 56.244  |
| 22)                         | Mirex           | 8.120 | 7.181 | 158.9E6  | 1094.6E6 | 50.373 | 52.995  |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090525\  
Data File : PD090170.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 05 Sep 2025 16:53  
Operator : AR\AJ  
Sample : PB169565BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PB169565BS

## Manual Integrations

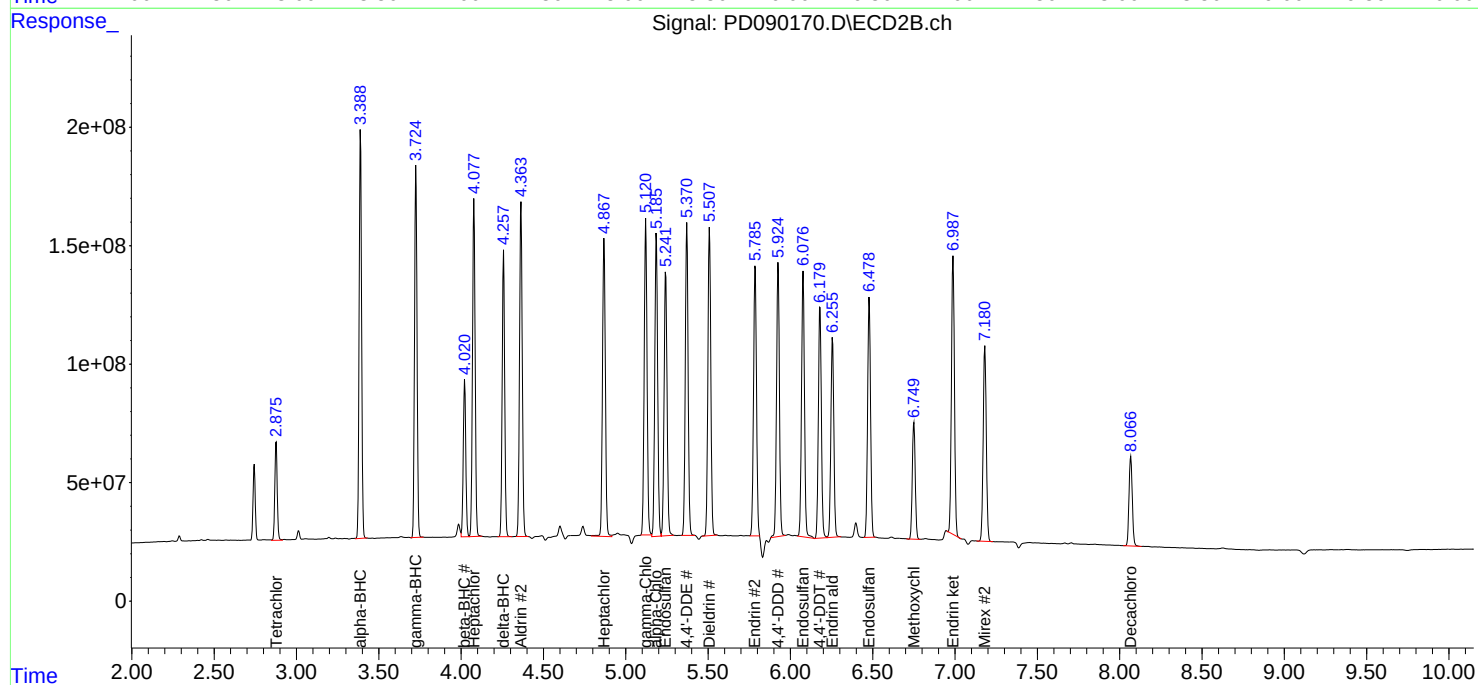
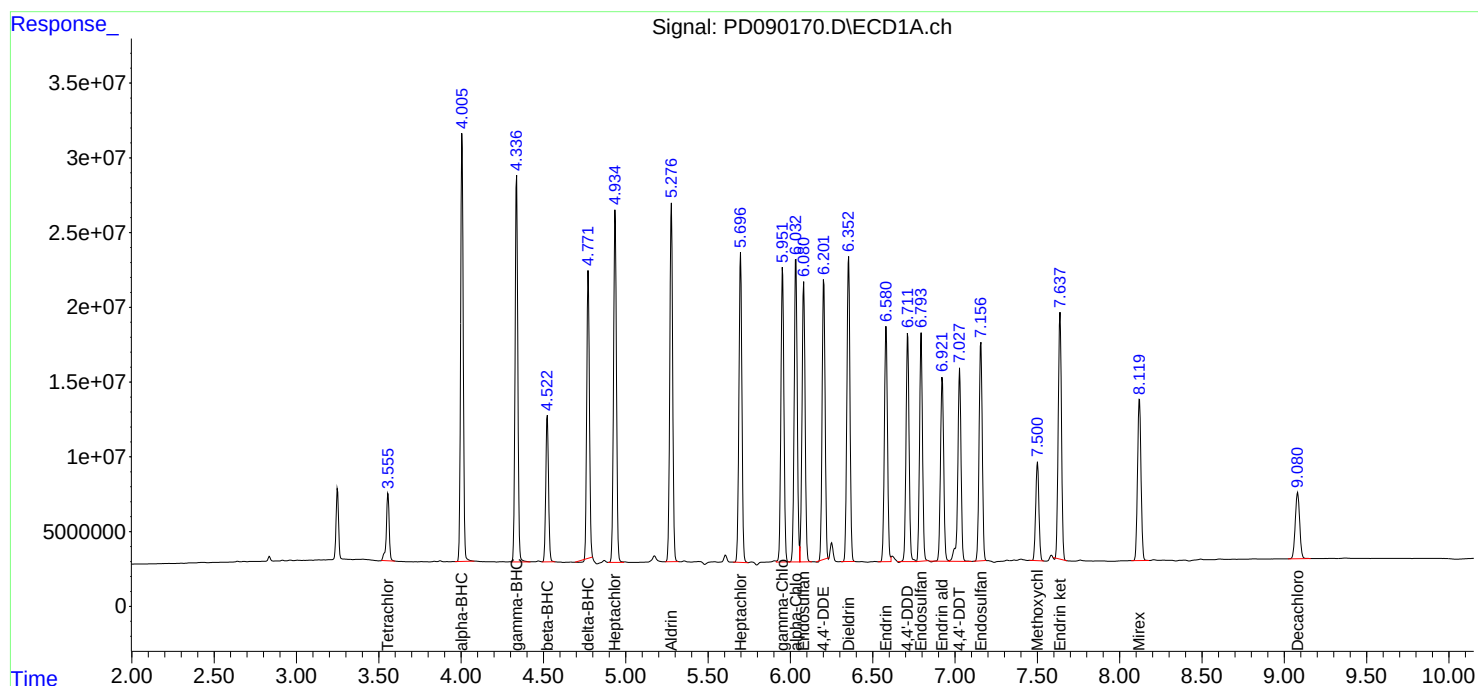
## APPROVED

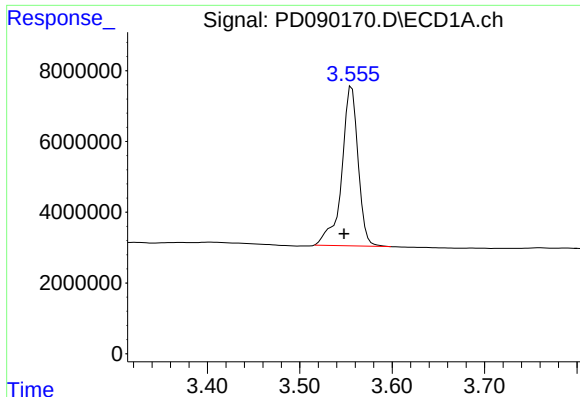
Reviewed By :Abdul Mirza 09/08/2025

Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 06 03:11:29 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD081825.M  
Quant Title : GC Extractables  
QLast Update : Tue Aug 19 13:16:54 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





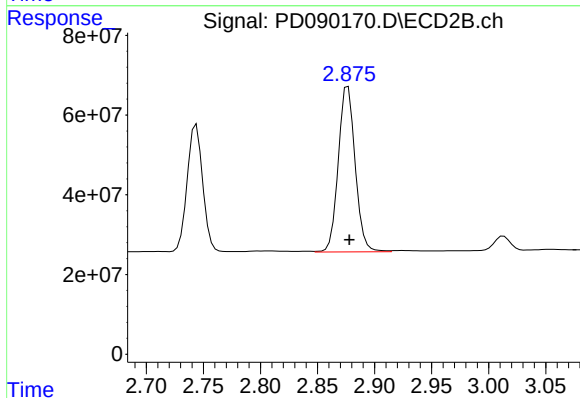
#1 Tetrachloro-m-xylene

R.T.: 3.556 min  
Delta R.T.: 0.008 min  
Response: 55473325  
Conc: 18.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169565BS

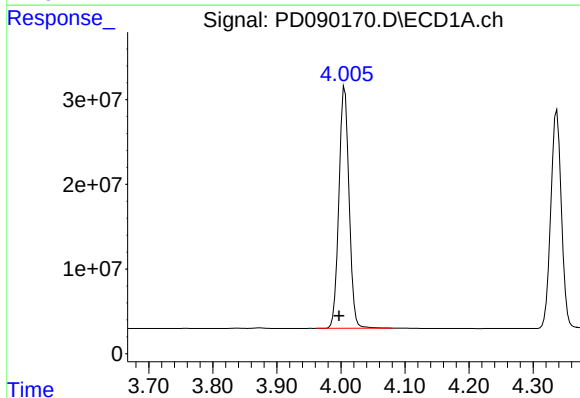
Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 09/09/2025



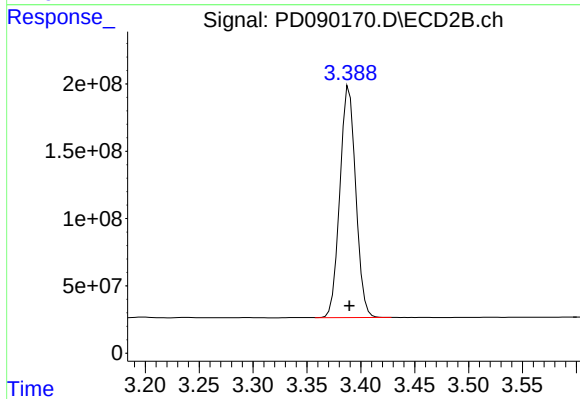
#1 Tetrachloro-m-xylene

R.T.: 2.877 min  
Delta R.T.: -0.001 min  
Response: 427701249  
Conc: 19.40 ng/ml



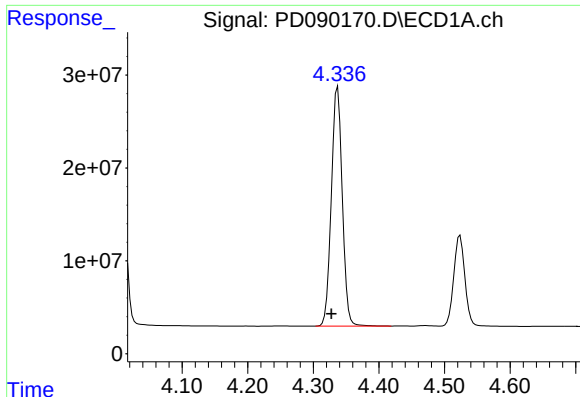
#2 alpha-BHC

R.T.: 4.006 min  
Delta R.T.: 0.009 min  
Response: 314619853  
Conc: 52.42 ng/ml



#2 alpha-BHC

R.T.: 3.388 min  
Delta R.T.: -0.002 min  
Response: 1761855536  
Conc: 51.91 ng/ml m



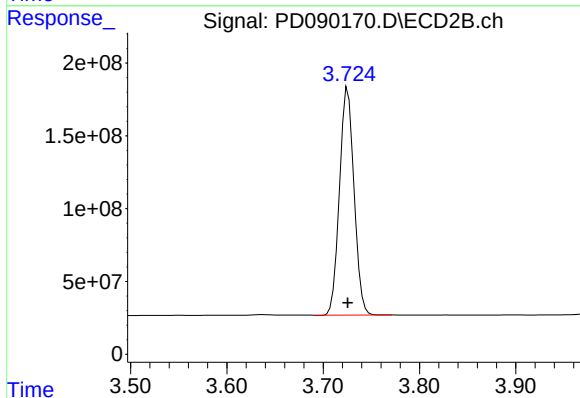
#3 gamma-BHC (Lindane)

R.T.: 4.337 min  
Delta R.T.: 0.009 min  
Response: 299247963  
Conc: 52.25 ng/ml

Instrument :  
ECD\_D  
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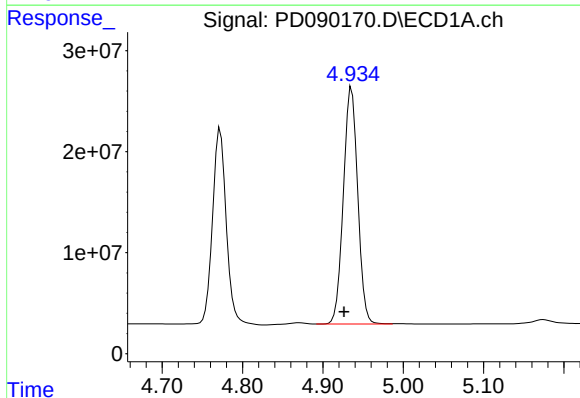
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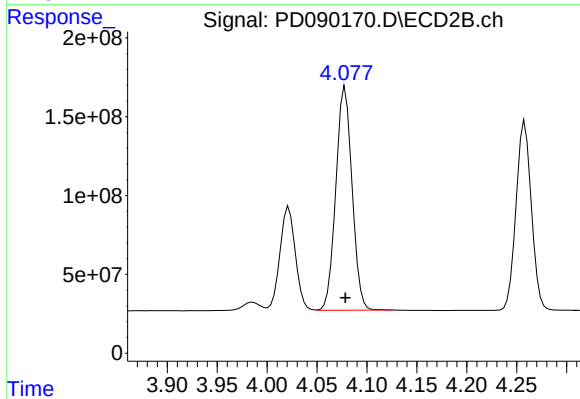
#3 gamma-BHC (Lindane)

R.T.: 3.726 min  
Delta R.T.: 0.000 min  
Response: 1636405744  
Conc: 52.50 ng/ml



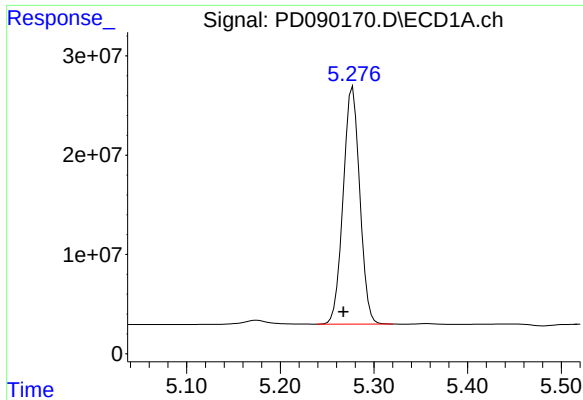
#4 Heptachlor

R.T.: 4.936 min  
Delta R.T.: 0.010 min  
Response: 291185179  
Conc: 51.91 ng/ml



#4 Heptachlor

R.T.: 4.078 min  
Delta R.T.: 0.000 min  
Response: 1604863896  
Conc: 51.45 ng/ml



#5 Aldrin

R.T.: 5.277 min  
Delta R.T.: 0.010 min  
Response: 294461090  
Conc: 54.38 ng/ml

Instrument :

ECD\_D

ClientSampleId :

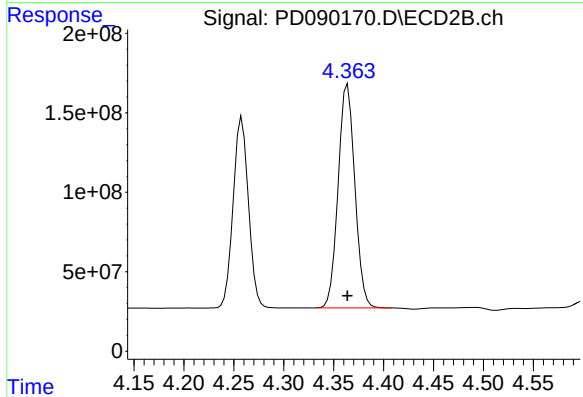
PB169565BS

Manual Integrations

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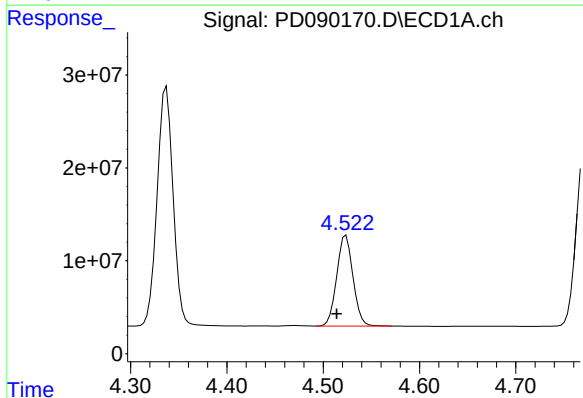
Reviewed By :Abdul Mirza 09/08/2025

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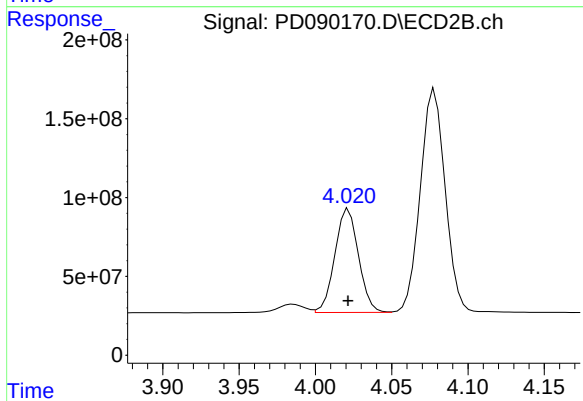
#5 Aldrin

R.T.: 4.364 min  
Delta R.T.: 0.000 min  
Response: 1639624246  
Conc: 53.84 ng/ml



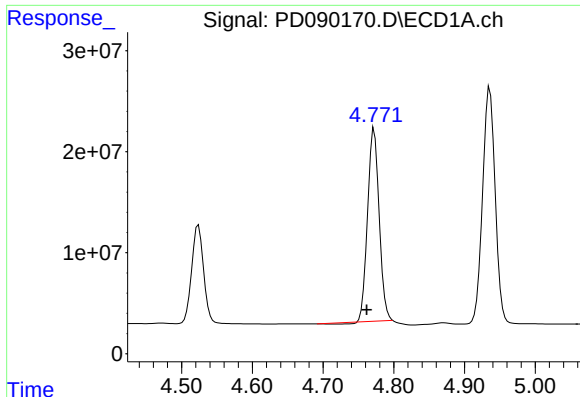
#6 beta-BHC

R.T.: 4.524 min  
Delta R.T.: 0.010 min  
Response: 114459616  
Conc: 51.03 ng/ml



#6 beta-BHC

R.T.: 4.022 min  
Delta R.T.: 0.000 min  
Response: 707887701  
Conc: 53.10 ng/ml



#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.010 min  
Response: 215204433  
Conc: 41.56 ng/ml

Instrument :

ECD\_D

ClientSampleId :

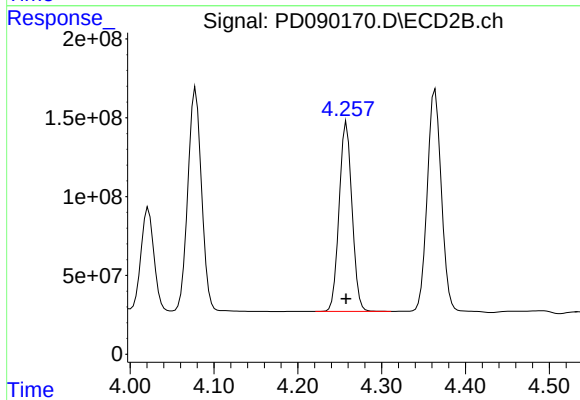
PB169565BS

Manual Integrations

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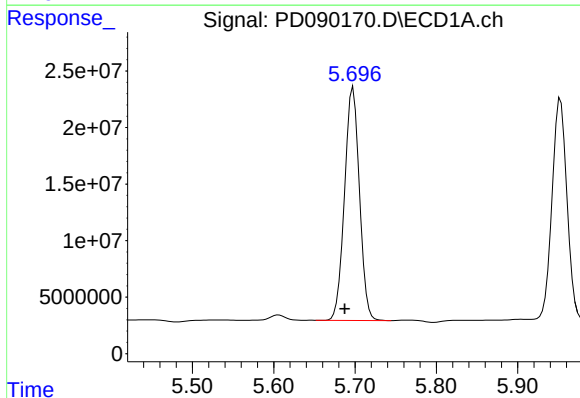
Reviewed By :Abdul Mirza 09/08/2025

Supervised By :mohammad ahmed 09/09/2025



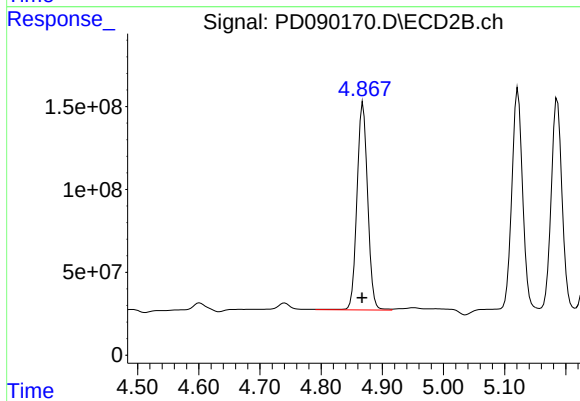
#7 delta-BHC

R.T.: 4.258 min  
Delta R.T.: 0.000 min  
Response: 1281074542  
Conc: 40.60 ng/ml



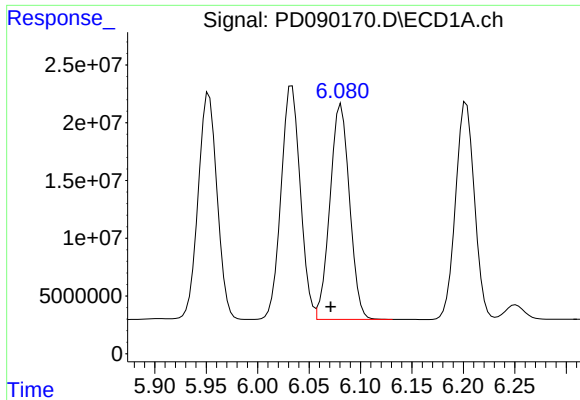
#8 Heptachlor epoxide

R.T.: 5.698 min  
Delta R.T.: 0.010 min  
Response: 262096583  
Conc: 53.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min  
Delta R.T.: 0.001 min  
Response: 1524942142  
Conc: 55.06 ng/ml



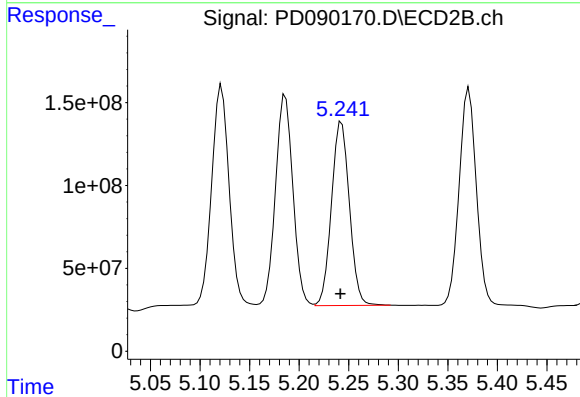
#9 Endosulfan I

R.T.: 6.081 min  
Delta R.T.: 0.010 min  
Response: 247202586  
Conc: 53.57 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169565BS

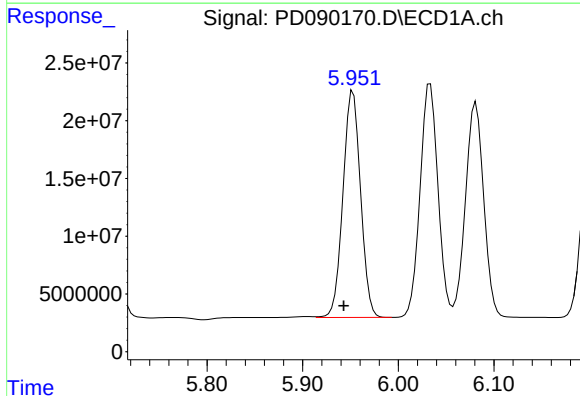
Manual Integrations  
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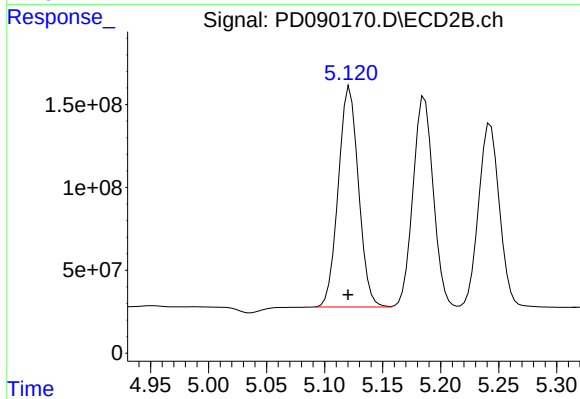
#9 Endosulfan I

R.T.: 5.243 min  
Delta R.T.: 0.001 min  
Response: 1396004740  
Conc: 53.24 ng/ml



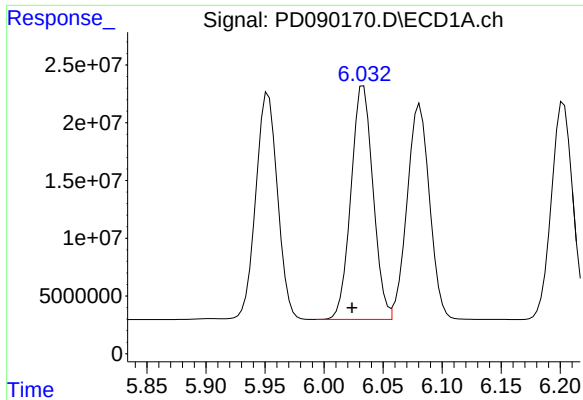
#10 gamma-Chlordane

R.T.: 5.953 min  
Delta R.T.: 0.010 min  
Response: 251807633  
Conc: 51.48 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min  
Delta R.T.: 0.000 min  
Response: 1611752999  
Conc: 54.43 ng/ml m



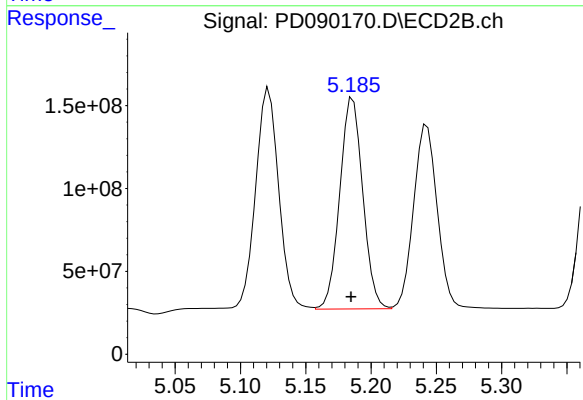
#11 alpha-Chlordane

R.T.: 6.033 min  
Delta R.T.: 0.010 min  
Response: 263271135  
Conc: 53.48 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169565BS

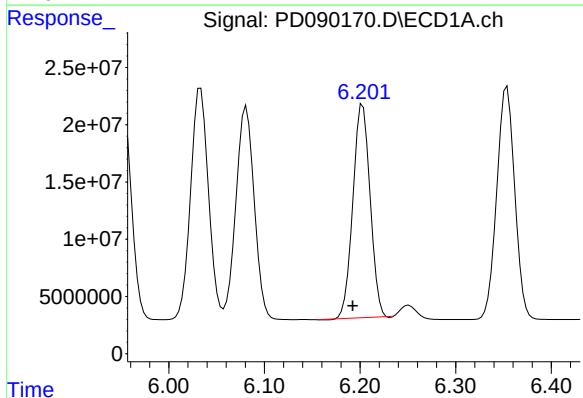
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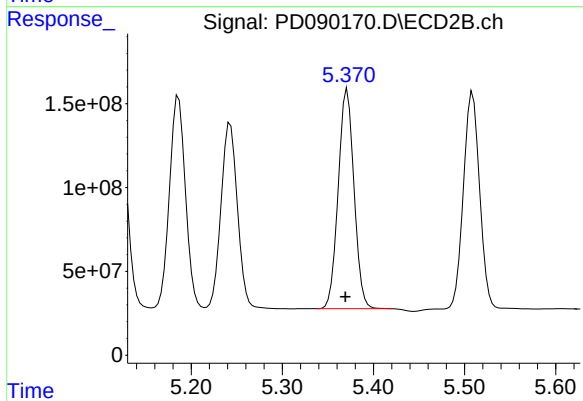
#11 alpha-Chlordane

R.T.: 5.186 min  
Delta R.T.: 0.001 min  
Response: 1562761572  
Conc: 54.76 ng/ml



#12 4,4'-DDE

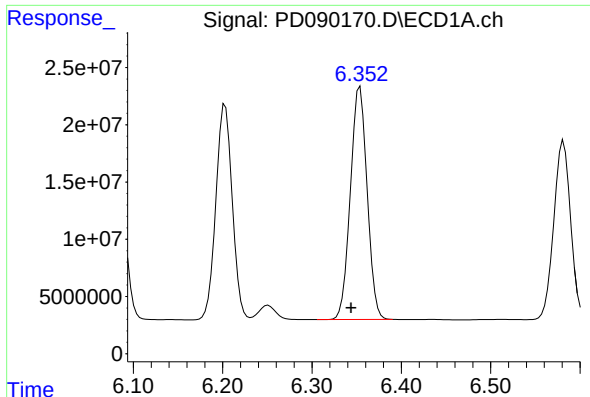
R.T.: 6.203 min  
Delta R.T.: 0.010 min  
Response: 233967591  
Conc: 53.32 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min  
Delta R.T.: 0.002 min  
Response: 1577587320  
Conc: 54.73 ng/ml





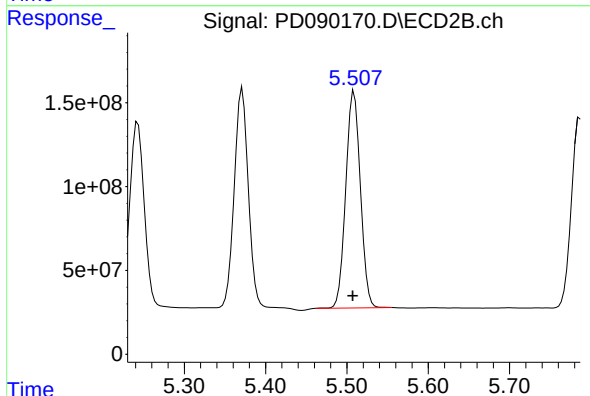
#13 Dieldrin

R.T.: 6.354 min  
Delta R.T.: 0.010 min  
Response: 264989642  
Conc: 54.13 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169565BS

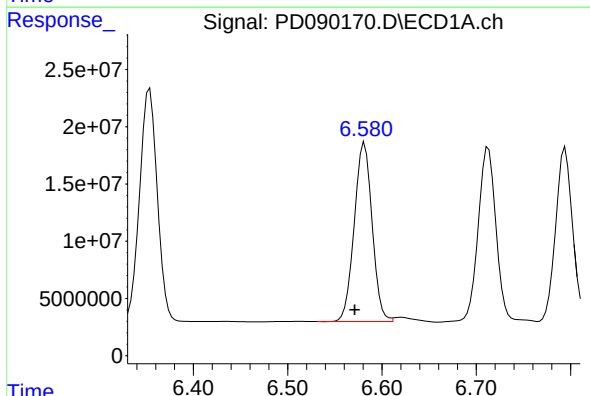
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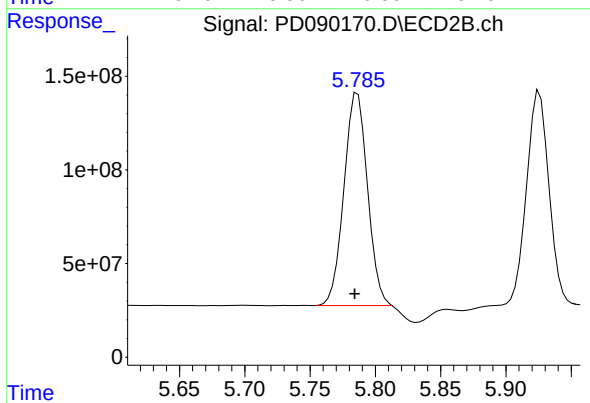
#13 Dieldrin

R.T.: 5.509 min  
Delta R.T.: 0.002 min  
Response: 1610470520  
Conc: 54.99 ng/ml



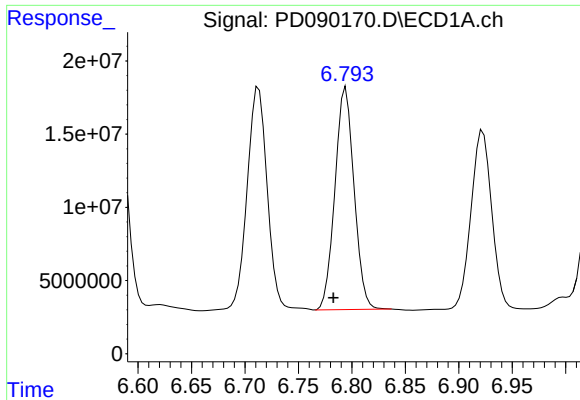
#14 Endrin

R.T.: 6.582 min  
Delta R.T.: 0.011 min  
Response: 205947468  
Conc: 49.70 ng/ml



#14 Endrin

R.T.: 5.785 min  
Delta R.T.: 0.000 min  
Response: 1428342224  
Conc: 53.63 ng/ml m



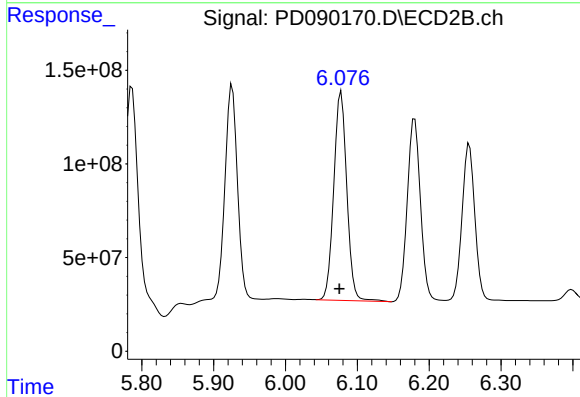
#15 Endosulfan II

R.T.: 6.794 min  
Delta R.T.: 0.012 min  
Response: 188771796  
Conc: 44.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169565BS

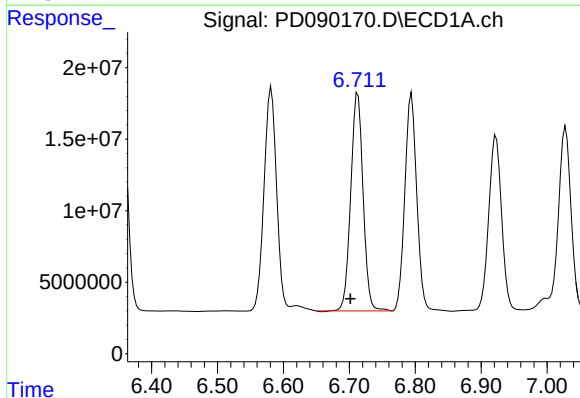
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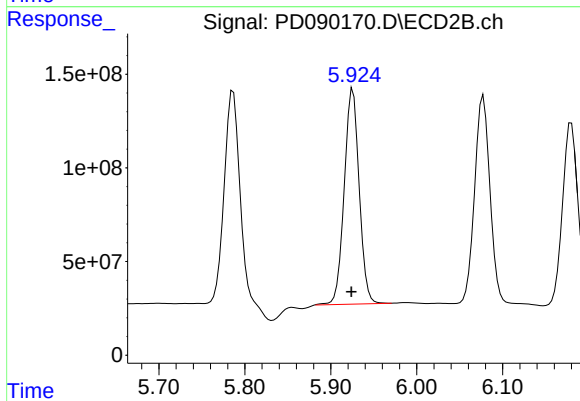
#15 Endosulfan II

R.T.: 6.078 min  
Delta R.T.: 0.002 min  
Response: 1406925732  
Conc: 55.62 ng/ml



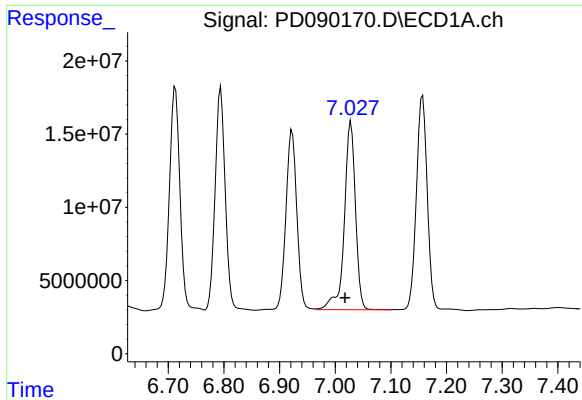
#16 4,4'-DDD

R.T.: 6.713 min  
Delta R.T.: 0.011 min  
Response: 198434054  
Conc: 57.37 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min  
Delta R.T.: 0.002 min  
Response: 1392203678  
Conc: 57.90 ng/ml



#17 4,4'-DDT

R.T.: 7.028 min  
Delta R.T.: 0.010 min  
Response: 178883898  
Conc: 46.95 ng/ml

Instrument :

ECD\_D

ClientSampleId :

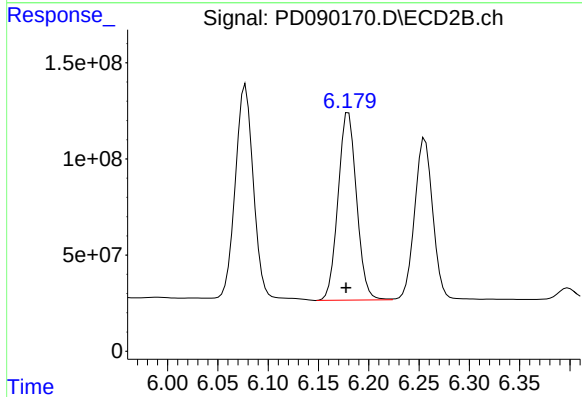
PB169565BS

Manual Integrations

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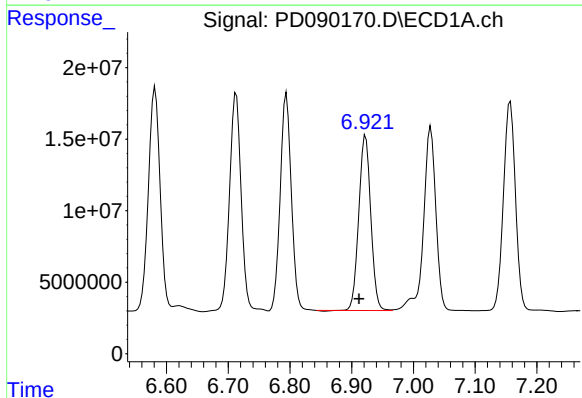
Reviewed By :Abdul Mirza 09/08/2025

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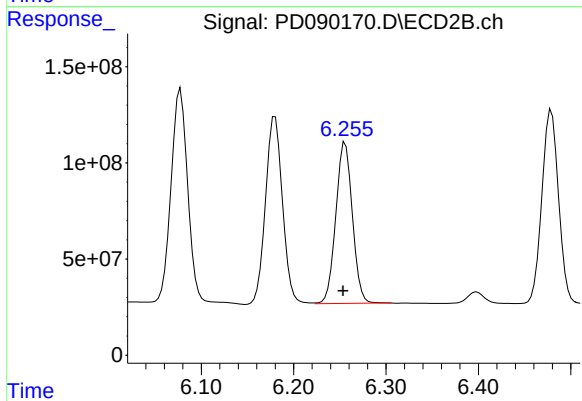
#17 4,4'-DDT

R.T.: 6.180 min  
Delta R.T.: 0.002 min  
Response: 1246885843  
Conc: 49.74 ng/ml



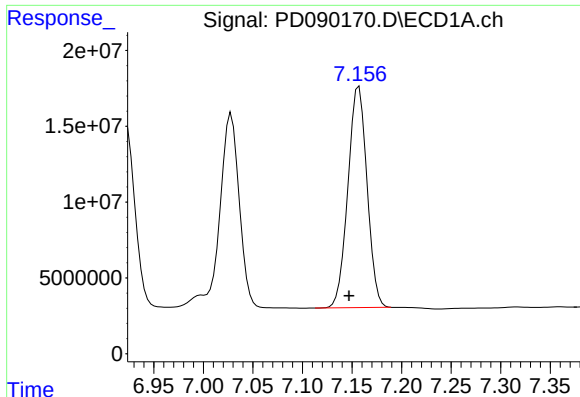
#18 Endrin aldehyde

R.T.: 6.922 min  
Delta R.T.: 0.010 min  
Response: 165509121  
Conc: 57.73 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min  
Delta R.T.: 0.003 min  
Response: 1043383885  
Conc: 60.59 ng/ml



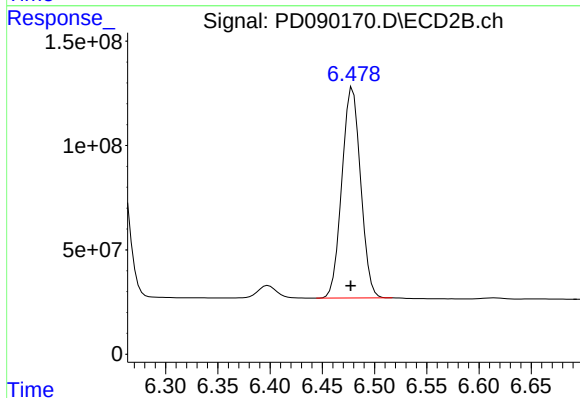
#19 Endosulfan Sulfate

R.T.: 7.157 min  
Delta R.T.: 0.010 min  
Response: 196200261  
Conc: 50.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169565BS

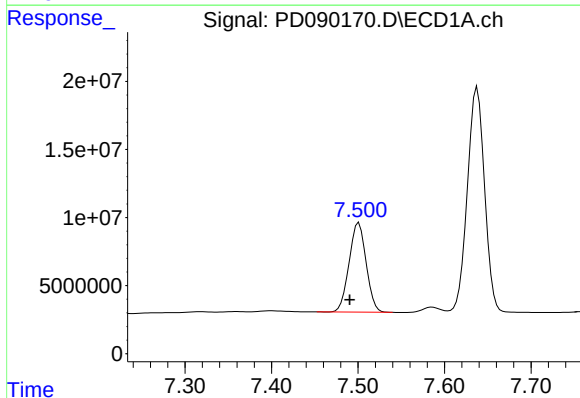
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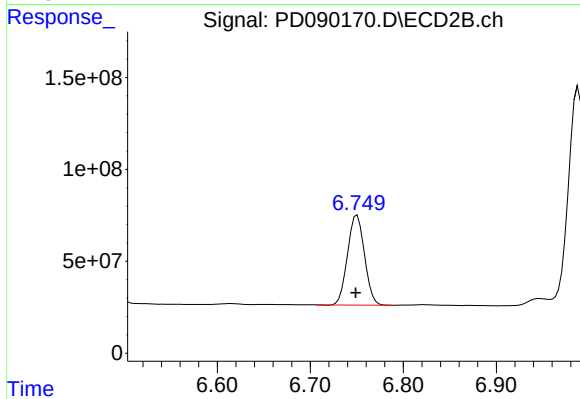
#19 Endosulfan Sulfate

R.T.: 6.479 min  
Delta R.T.: 0.002 min  
Response: 1260063433  
Conc: 51.69 ng/ml



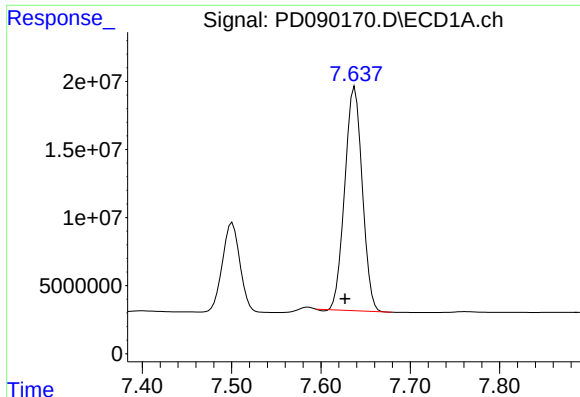
#20 Methoxychlor

R.T.: 7.501 min  
Delta R.T.: 0.011 min  
Response: 89682288  
Conc: 44.72 ng/ml



#20 Methoxychlor

R.T.: 6.750 min  
Delta R.T.: 0.002 min  
Response: 621367627  
Conc: 48.18 ng/ml



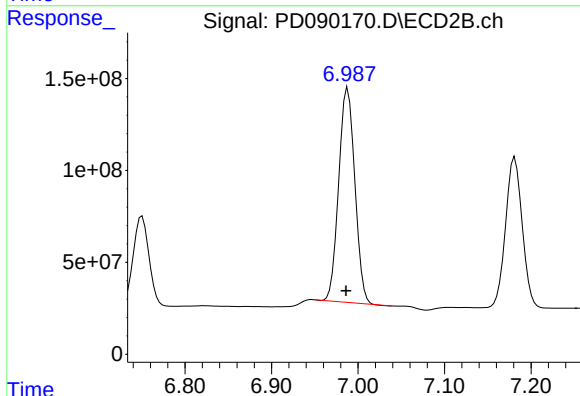
#21 Endrin ketone

R.T.: 7.638 min  
Delta R.T.: 0.011 min  
Response: 223448845  
Conc: 53.91 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169565BS

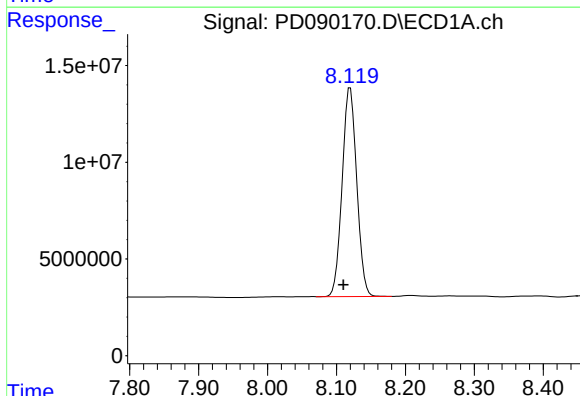
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/08/2025  
Supervised By :mohammad ahmed 09/09/2025



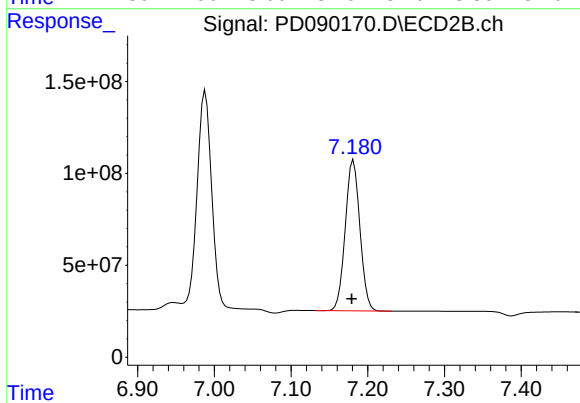
#21 Endrin ketone

R.T.: 6.988 min  
Delta R.T.: 0.002 min  
Response: 1498596172  
Conc: 56.24 ng/ml



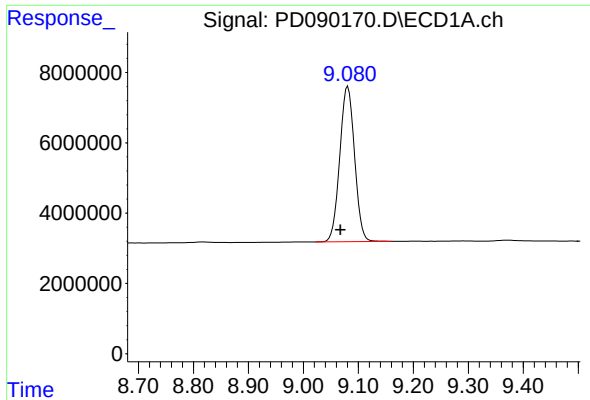
#22 Mirex

R.T.: 8.120 min  
Delta R.T.: 0.010 min  
Response: 158900753  
Conc: 50.37 ng/ml



#22 Mirex

R.T.: 7.181 min  
Delta R.T.: 0.002 min  
Response: 1094647678  
Conc: 52.99 ng/ml



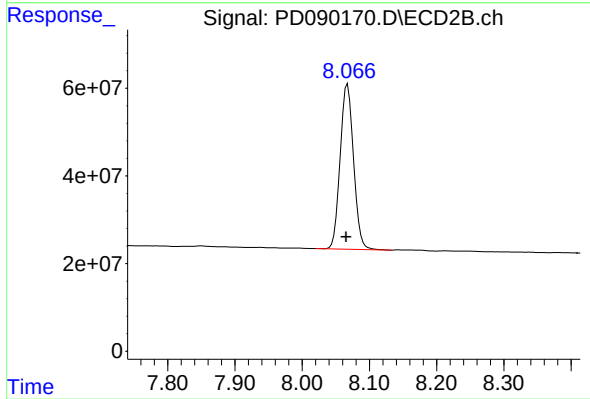
#28 Decachlorobiphenyl

R.T.: 9.081 min  
Delta R.T.: 0.014 min  
Response: 82563088  
Conc: 19.13 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB169565BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/08/2025  
Supervised By :mohammad ahmed 09/09/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min  
Delta R.T.: 0.002 min  
Response: 519344698  
Conc: 20.06 ng/ml