

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD062125\  
 Data File : PD089053.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Jun 2025 16:57  
 Operator : AR\AJ  
 Sample : PB168559BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB168559BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 06/23/2025  
 Supervised By : mohammad ahmed 06/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 20 23:03:37 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 | 2.881 | 51064138 | 342.1E6  | 17.898  | 20.179  |
| 28)                         | SA Decachlor... | 9.073 | 8.073 | 77839609 | 394.3E6  | 19.818  | 19.942  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.999 | 3.394 | 266.5E6  | 1261.1E6 | 45.713  | 47.060  |
| 3)                          | MA gamma-BHC... | 4.330 | 3.730 | 254.6E6  | 1164.9E6 | 45.618  | 47.052  |
| 4)                          | MA Heptachlor   | 4.930 | 4.083 | 253.4E6  | 1173.2E6 | 46.470  | 46.857  |
| 5)                          | MB Aldrin       | 5.271 | 4.369 | 242.1E6  | 1131.9E6 | 45.568  | 46.739  |
| 6)                          | B beta-BHC      | 4.515 | 4.025 | 96984220 | 497.6E6  | 43.941  | 46.306  |
| 7)                          | B delta-BHC     | 4.764 | 4.262 | 245.3E6  | 1170.6E6 | 47.795  | 47.064  |
| 8)                          | B Heptachlo...  | 5.691 | 4.873 | 217.3E6  | 1017.0E6 | 45.044  | 46.444  |
| 9)                          | A Endosulfan I  | 6.074 | 5.246 | 202.4E6  | 881.6E6  | 44.898  | 42.298  |
| 10)                         | B gamma-Chl...  | 5.946 | 5.126 | 214.0E6  | 1103.9E6 | 44.697  | 46.145  |
| 11)                         | B alpha-Chl...  | 6.026 | 5.190 | 215.4E6  | 1050.6E6 | 44.519  | 45.884  |
| 12)                         | B 4,4'-DDE      | 6.196 | 5.375 | 192.1E6  | 1051.8E6 | 44.051  | 45.900  |
| 13)                         | MA Dieldrin     | 6.347 | 5.512 | 214.3E6  | 1068.5E6 | 44.677  | 46.039  |
| 14)                         | MA Endrin       | 6.573 | 5.789 | 182.1E6  | 1048.5E6 | 44.138m | 48.289  |
| 15)                         | B Endosulfa...  | 6.786 | 6.081 | 174.3E6  | 909.7E6  | 43.176  | 45.042  |
| 16)                         | A 4,4'-DDD      | 6.705 | 5.929 | 154.5E6  | 867.5E6  | 45.026  | 45.348  |
| 17)                         | MA 4,4'-DDT     | 7.021 | 6.183 | 167.6E6  | 917.9E6  | 44.236  | 45.261  |
| 18)                         | B Endrin al...  | 6.915 | 6.259 | 133.7E6  | 686.7E6  | 43.635  | 44.849  |
| 19)                         | B Endosulfa...  | 7.150 | 6.482 | 167.6E6  | 876.9E6  | 43.668  | 44.691  |
| 20)                         | A Methoxychlor  | 7.493 | 6.754 | 84502792 | 469.3E6  | 41.820  | 43.579  |
| 21)                         | B Endrin ke...  | 7.630 | 6.990 | 179.6E6  | 1030.8E6 | 44.099  | 47.716m |
| 22)                         | Mirex           | 8.114 | 7.186 | 134.4E6  | 725.6E6  | 44.206  | 43.509  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD062125\  
Data File : PD089053.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Jun 2025 16:57  
Operator : AR\AJ  
Sample : PB168559BS  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

## Instrument :

ECD\_D

ClientSampleId :

PB168559BS

## Manual Integrations

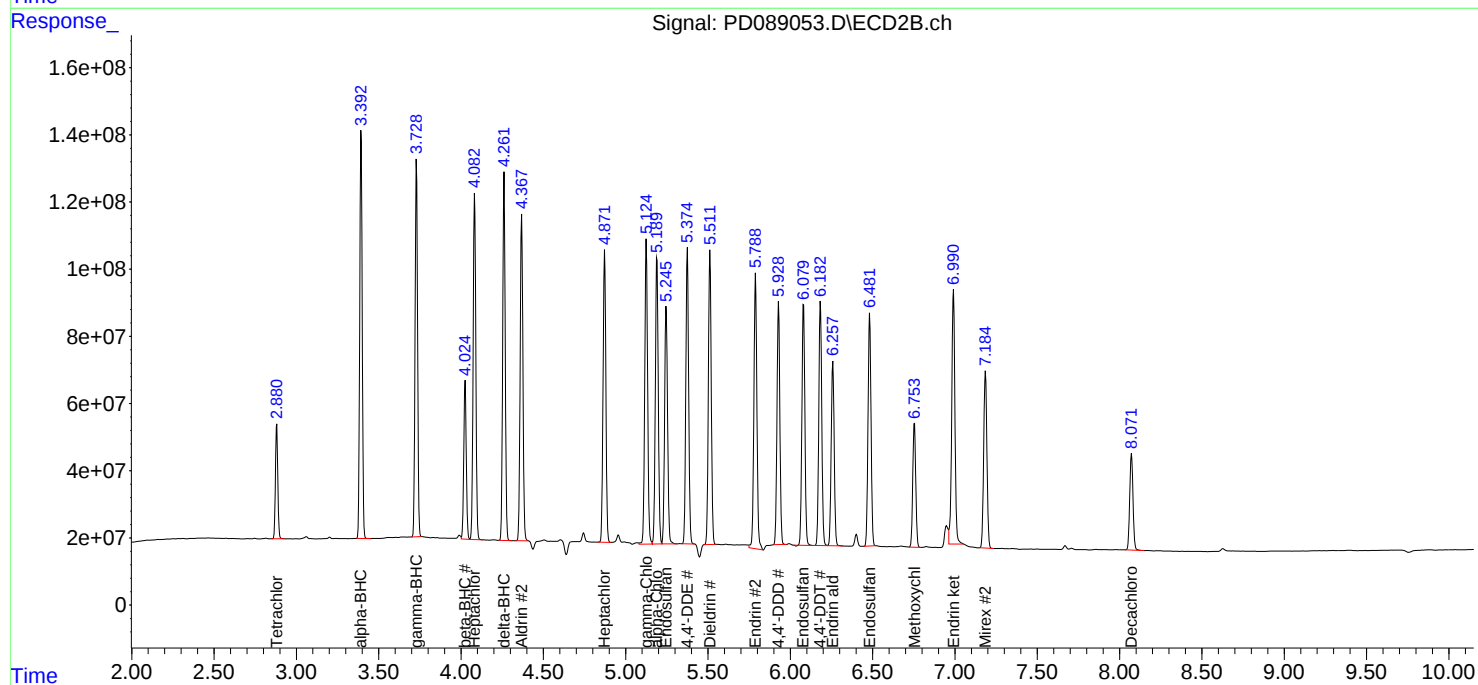
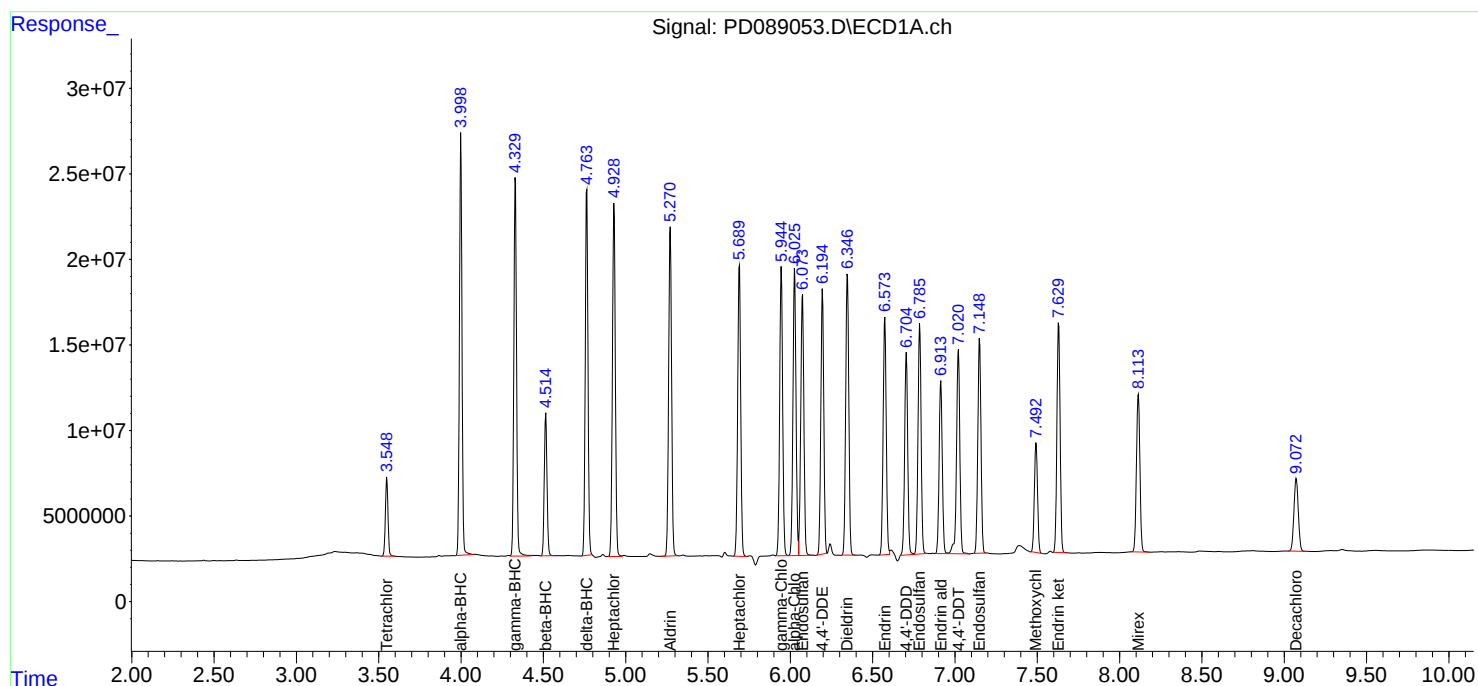
APPROVED

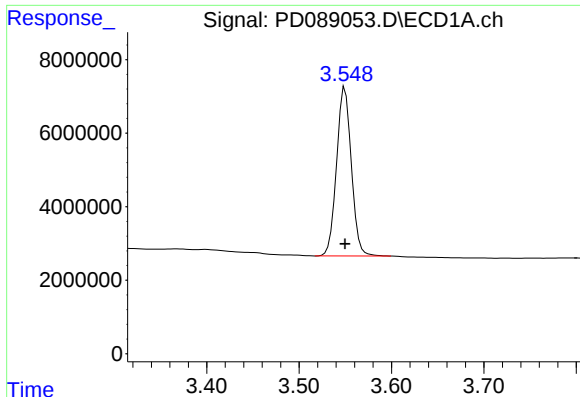
Reviewed By :Abdul Mirza 06/23/2025

Supervised By :mohammad ahmed 06/24/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 20 23:03:37 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: 51064138  
Conc: 17.90 ng/ml

Instrument :

ECD\_D

ClientSampleId :

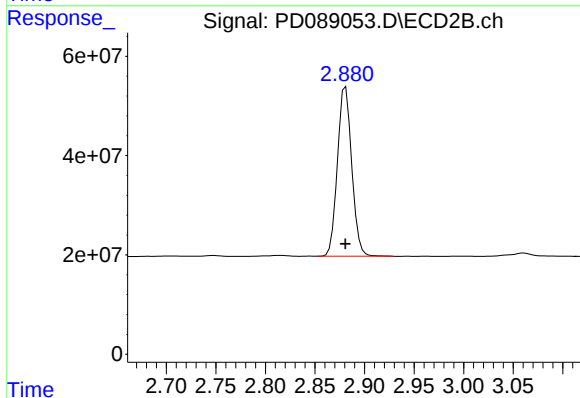
PB168559BS

Manual Integrations

APPROVED

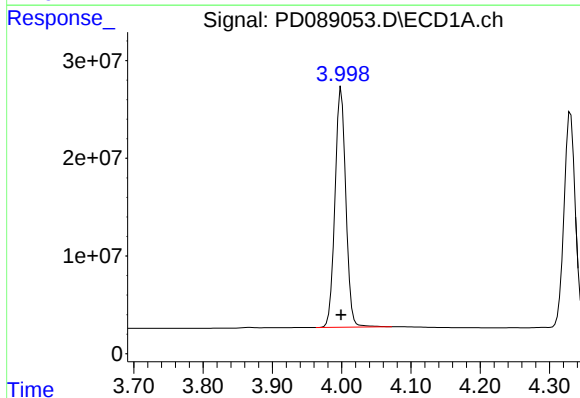
Reviewed By :Abdul Mirza 06/23/2025

Supervised By :mohammad ahmed 06/24/2025



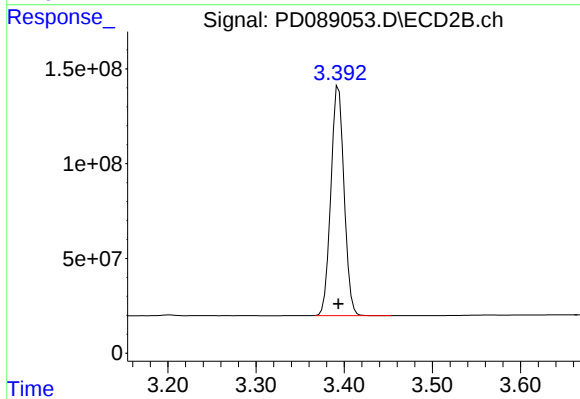
#1 Tetrachloro-m-xylene

R.T.: 2.881 min  
Delta R.T.: 0.000 min  
Response: 342101425  
Conc: 20.18 ng/ml



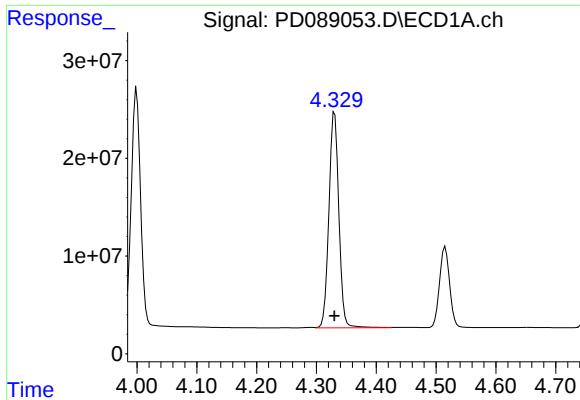
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 266467004  
Conc: 45.71 ng/ml



#2 alpha-BHC

R.T.: 3.394 min  
Delta R.T.: 0.000 min  
Response: 1261073273  
Conc: 47.06 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: 0.000 min  
Response: 254625724  
Conc: 45.62 ng/ml

Instrument :

ECD\_D

ClientSampleId :

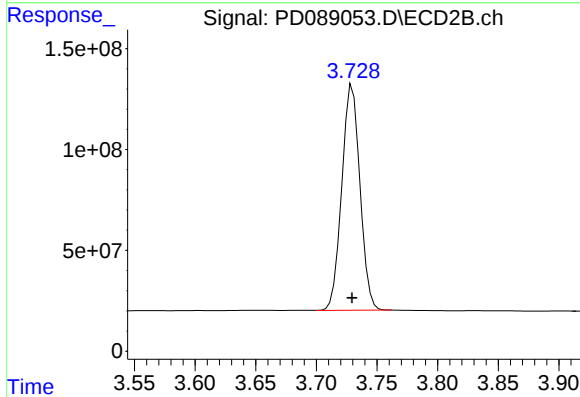
PB168559BS

Manual Integrations

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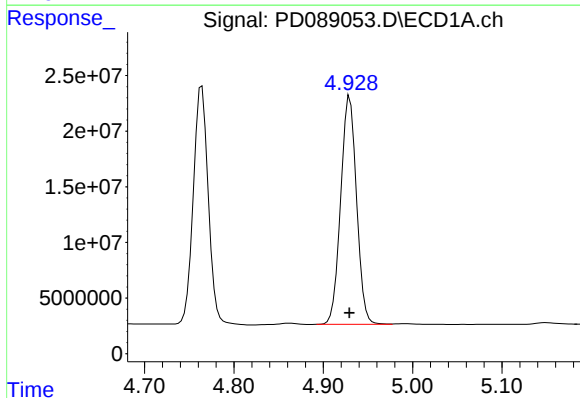
Reviewed By :Abdul Mirza 06/23/2025

Supervised By :mohammad ahmed 06/24/2025



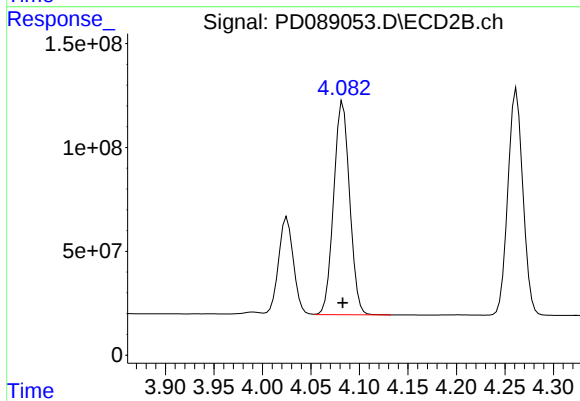
#3 gamma-BHC (Lindane)

R.T.: 3.730 min  
Delta R.T.: 0.000 min  
Response: 1164873784  
Conc: 47.05 ng/ml



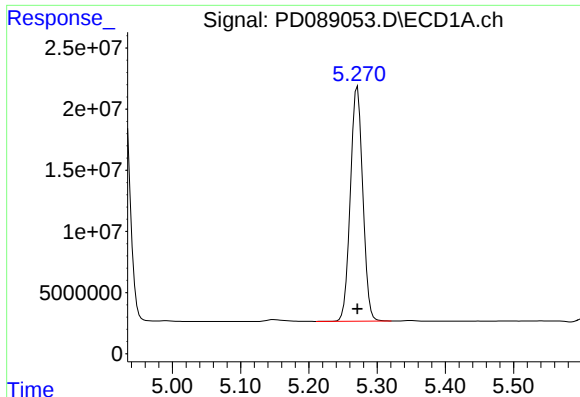
#4 Heptachlor

R.T.: 4.930 min  
Delta R.T.: 0.000 min  
Response: 253352973  
Conc: 46.47 ng/ml



#4 Heptachlor

R.T.: 4.083 min  
Delta R.T.: 0.000 min  
Response: 1173222246  
Conc: 46.86 ng/ml



#5 Aldrin

R.T.: 5.271 min  
Delta R.T.: 0.000 min  
Response: 242102574  
Conc: 45.57 ng/ml

Instrument :

ECD\_D

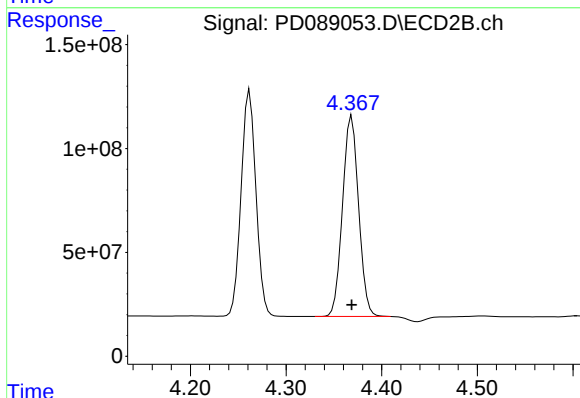
ClientSampleId :

PB168559BS

Manual Integrations

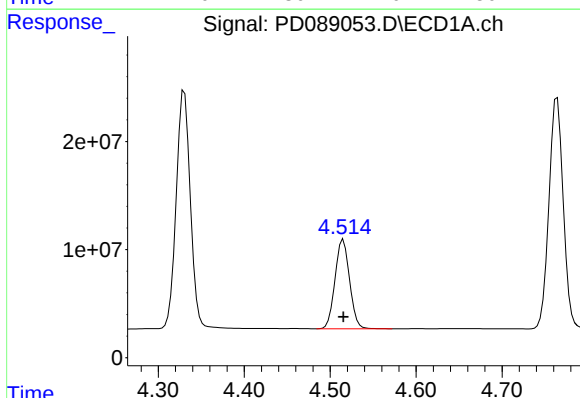
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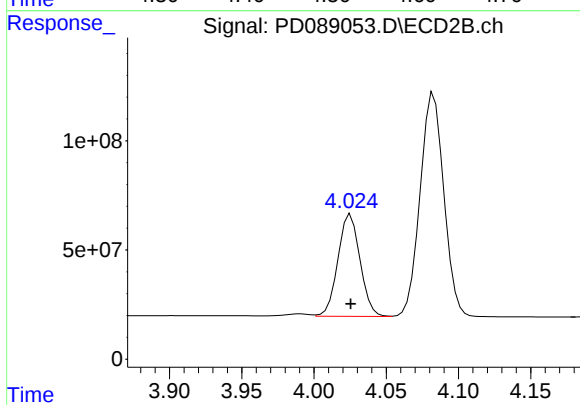
#5 Aldrin

R.T.: 4.369 min  
Delta R.T.: 0.000 min  
Response: 1131881526  
Conc: 46.74 ng/ml



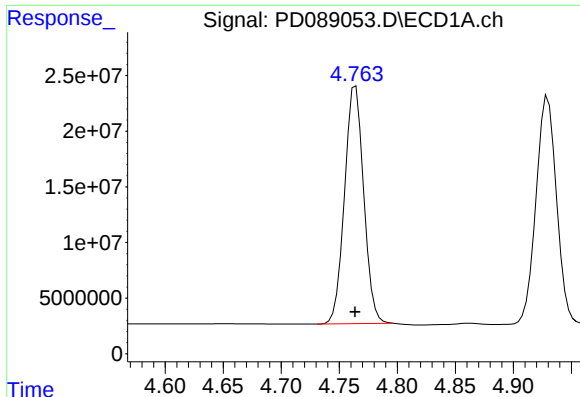
#6 beta-BHC

R.T.: 4.515 min  
Delta R.T.: 0.000 min  
Response: 96984220  
Conc: 43.94 ng/ml



#6 beta-BHC

R.T.: 4.025 min  
Delta R.T.: 0.000 min  
Response: 497616653  
Conc: 46.31 ng/ml



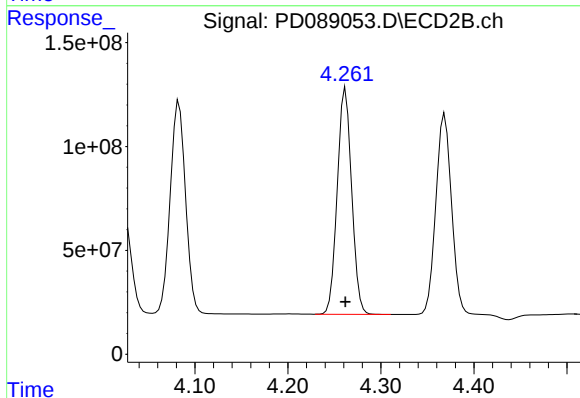
#7 delta-BHC

R.T.: 4.764 min  
Delta R.T.: 0.000 min  
Response: 245329492  
Conc: 47.80 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168559BS

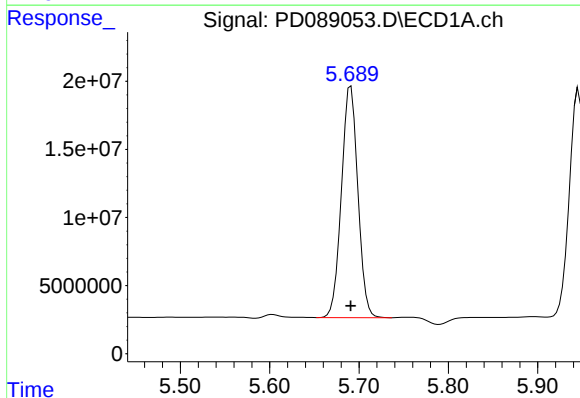
Manual Integrations  
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Reviewed By :Abdul Mirza 06/23/2025  
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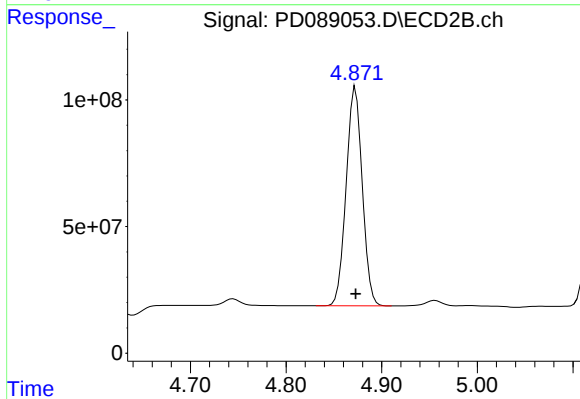
#7 delta-BHC

R.T.: 4.262 min  
Delta R.T.: 0.000 min  
Response: 1170646687  
Conc: 47.06 ng/ml



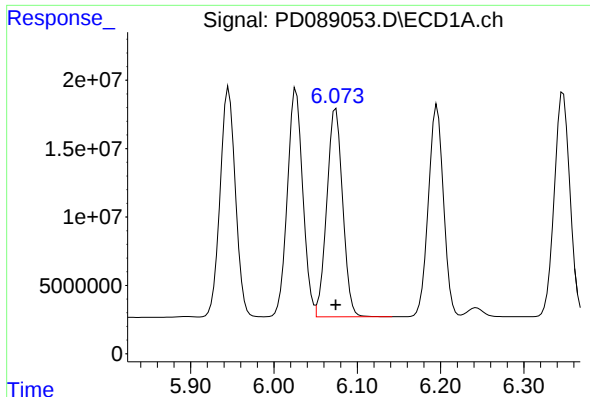
#8 Heptachlor epoxide

R.T.: 5.691 min  
Delta R.T.: 0.000 min  
Response: 217290234  
Conc: 45.04 ng/ml



#8 Heptachlor epoxide

R.T.: 4.873 min  
Delta R.T.: 0.000 min  
Response: 1017034681  
Conc: 46.44 ng/ml



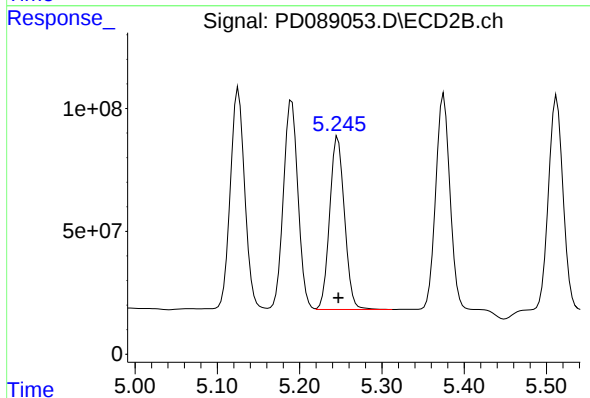
#9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 202376850  
Conc: 44.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168559BS

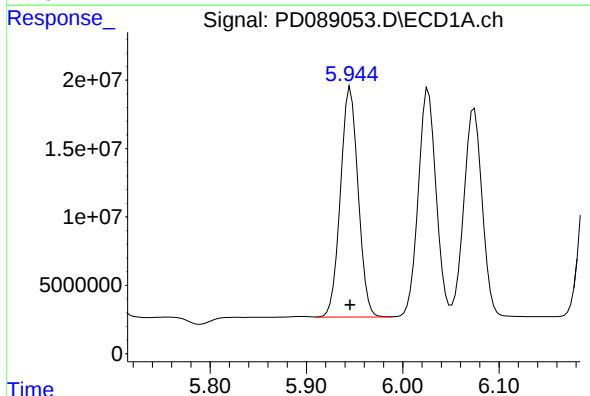
Manual Integrations  
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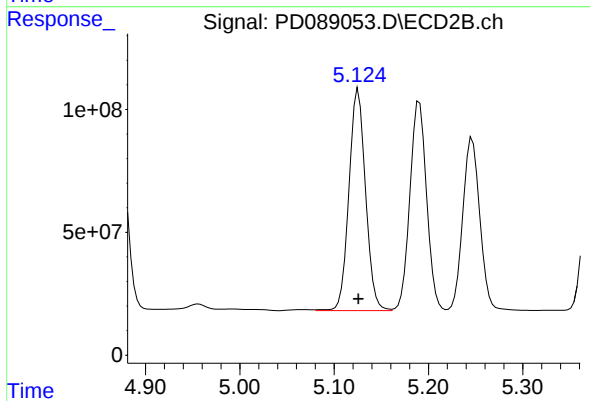
#9 Endosulfan I

R.T.: 5.246 min  
Delta R.T.: 0.000 min  
Response: 881591799  
Conc: 42.30 ng/ml



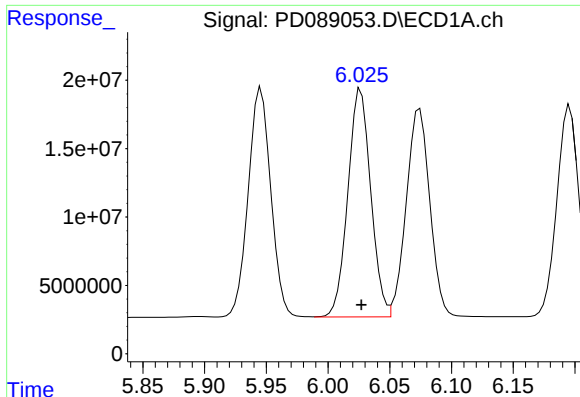
#10 gamma-Chlordane

R.T.: 5.946 min  
Delta R.T.: 0.000 min  
Response: 214013042  
Conc: 44.70 ng/ml



#10 gamma-Chlordane

R.T.: 5.126 min  
Delta R.T.: 0.000 min  
Response: 1103906455  
Conc: 46.14 ng/ml



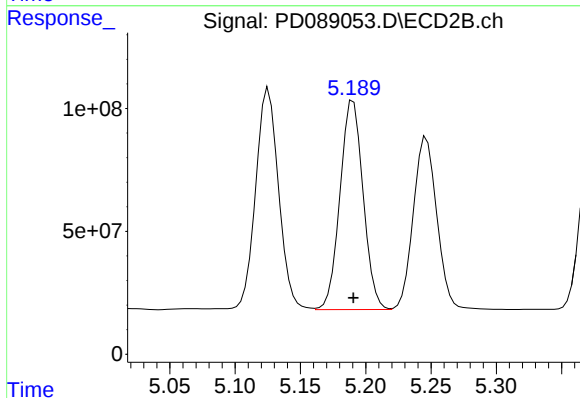
#11 alpha-Chlordane

R.T.: 6.026 min  
Delta R.T.: 0.000 min  
Response: 215407339  
Conc: 44.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168559BS

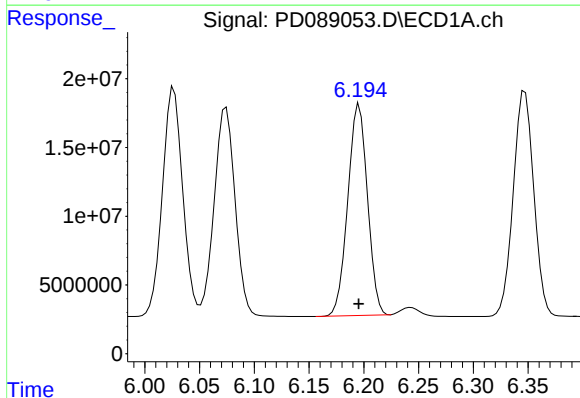
Manual Integrations  
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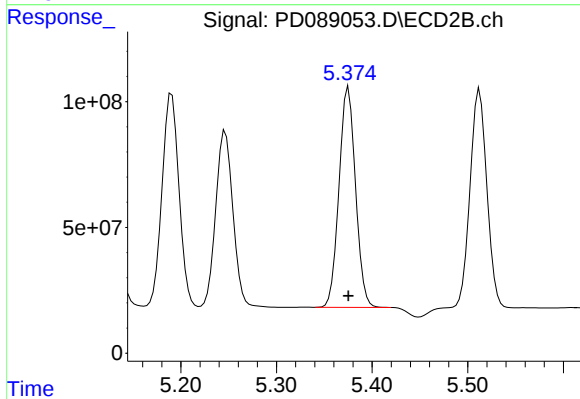
#11 alpha-Chlordane

R.T.: 5.190 min  
Delta R.T.: 0.000 min  
Response: 1050592269  
Conc: 45.88 ng/ml



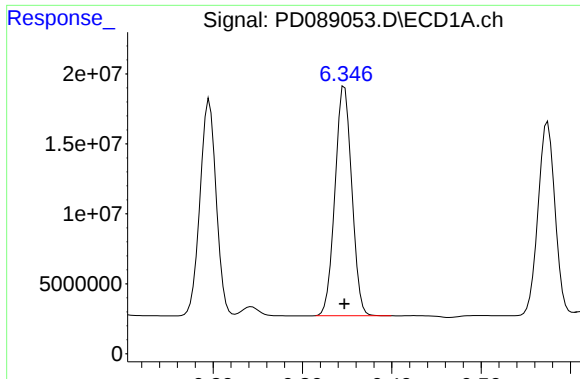
#12 4,4'-DDE

R.T.: 6.196 min  
Delta R.T.: 0.000 min  
Response: 192108442  
Conc: 44.05 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min  
Delta R.T.: 0.000 min  
Response: 1051847489  
Conc: 45.90 ng/ml



#13 Dieldrin

R.T.: 6.347 min  
Delta R.T.: 0.000 min  
Response: 214337085  
Conc: 44.68 ng/ml

Instrument :

ECD\_D

ClientSampleId :

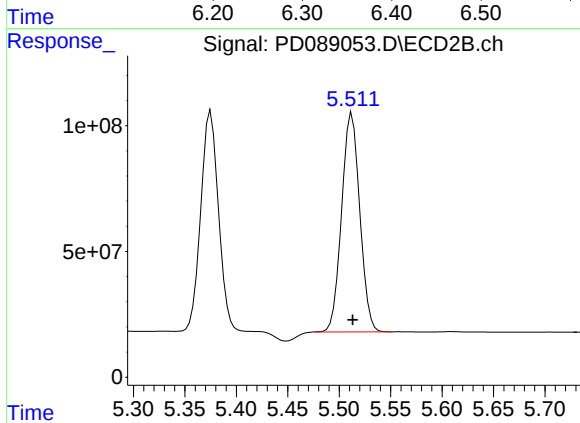
PB168559BS

Manual Integrations

APPROVED

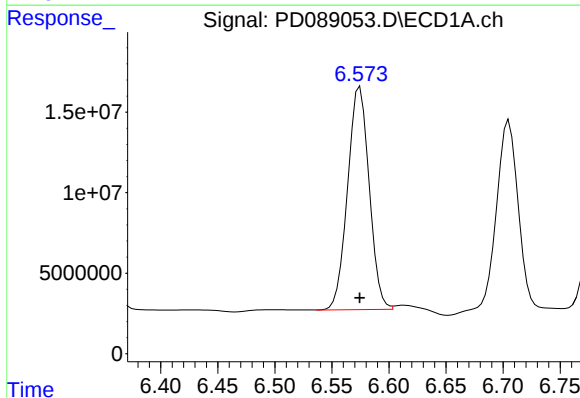
Reviewed By :Abdul Mirza 06/23/2025

Supervised By :mohammad ahmed 06/24/2025



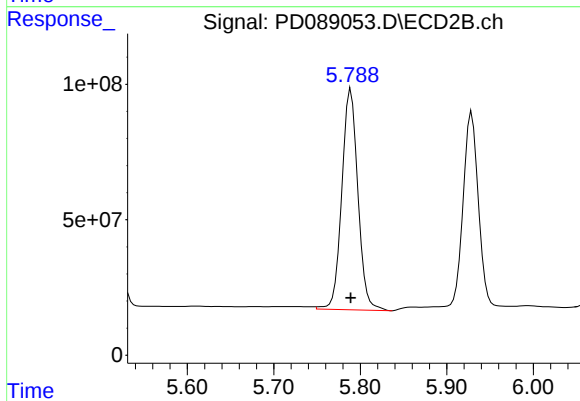
#13 Dieldrin

R.T.: 5.512 min  
Delta R.T.: 0.000 min  
Response: 1068485620  
Conc: 46.04 ng/ml



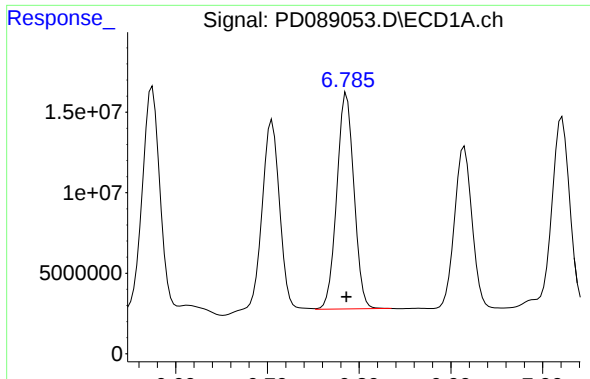
#14 Endrin

R.T.: 6.573 min  
Delta R.T.: -0.001 min  
Response: 182094424  
Conc: 44.14 ng/ml m



#14 Endrin

R.T.: 5.789 min  
Delta R.T.: 0.000 min  
Response: 1048537272  
Conc: 48.29 ng/ml



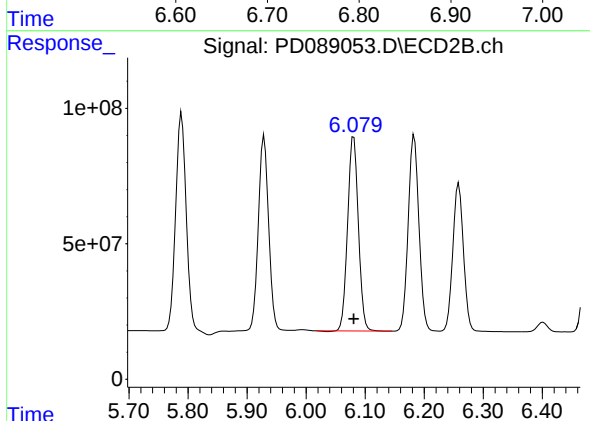
#15 Endosulfan II

R.T.: 6.786 min  
Delta R.T.: 0.000 min  
Response: 174285810  
Conc: 43.18 ng/ml

Instrument :  
ECD\_D  
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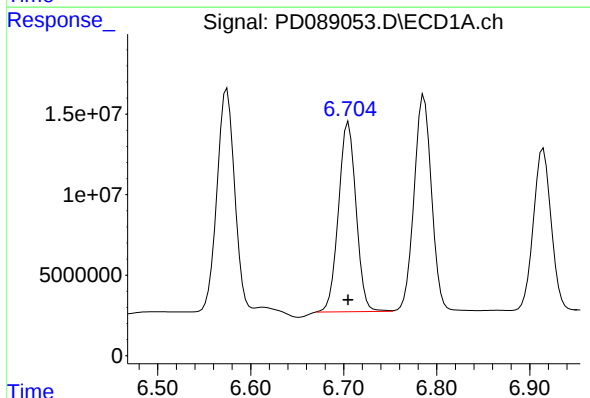
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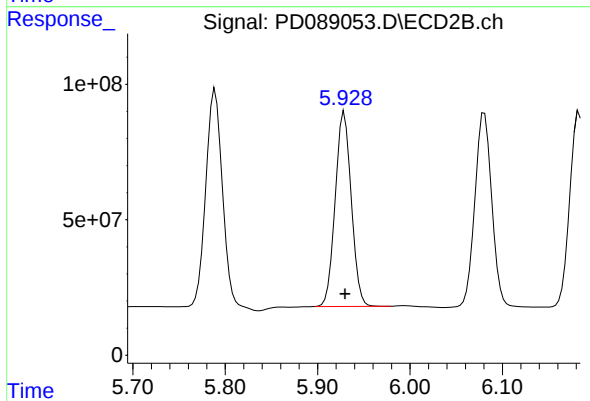
#15 Endosulfan II

R.T.: 6.081 min  
Delta R.T.: 0.000 min  
Response: 909696402  
Conc: 45.04 ng/ml



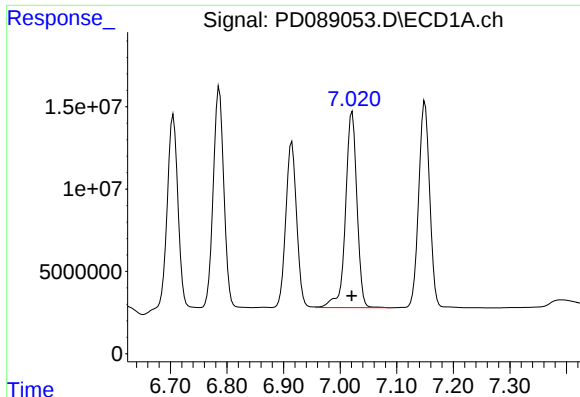
#16 4,4'-DDD

R.T.: 6.705 min  
Delta R.T.: 0.000 min  
Response: 154531155  
Conc: 45.03 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min  
Delta R.T.: 0.000 min  
Response: 867474135  
Conc: 45.35 ng/ml



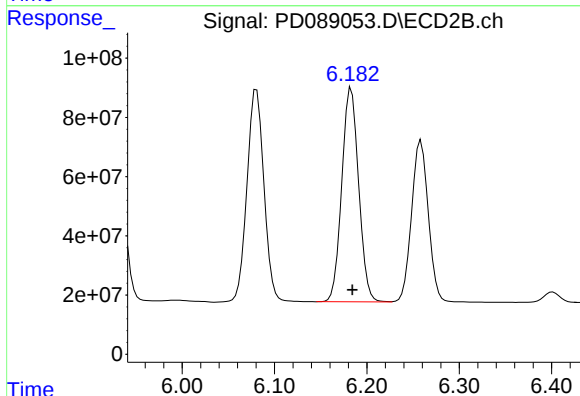
#17 4,4'-DDT

R.T.: 7.021 min  
Delta R.T.: 0.000 min  
Response: 167575499  
Conc: 44.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168559BS

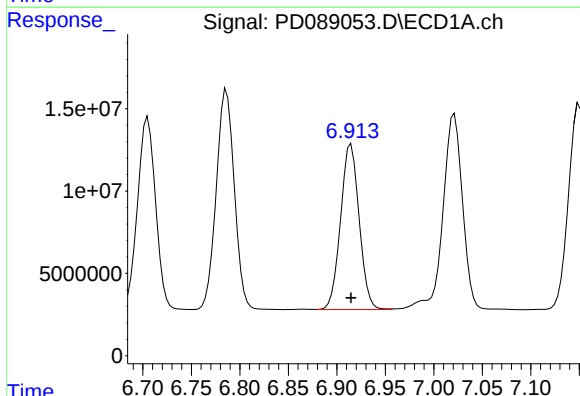
Manual Integrations  
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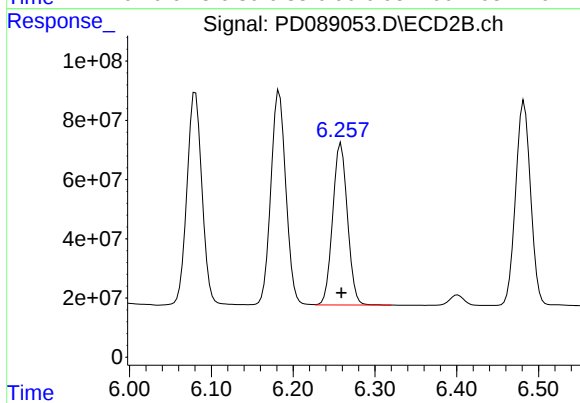
#17 4,4'-DDT

R.T.: 6.183 min  
Delta R.T.: 0.000 min  
Response: 917867324  
Conc: 45.26 ng/ml



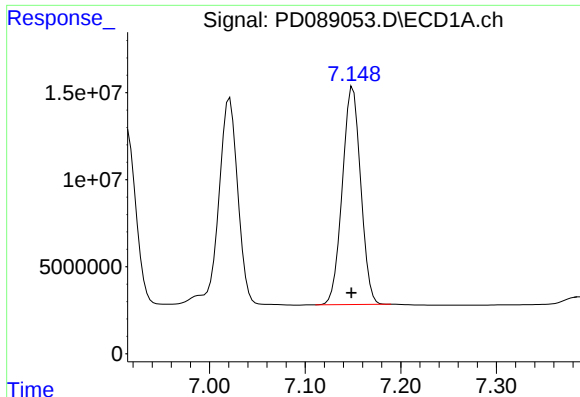
#18 Endrin aldehyde

R.T.: 6.915 min  
Delta R.T.: 0.000 min  
Response: 133694529  
Conc: 43.63 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min  
Delta R.T.: 0.000 min  
Response: 686702193  
Conc: 44.85 ng/ml



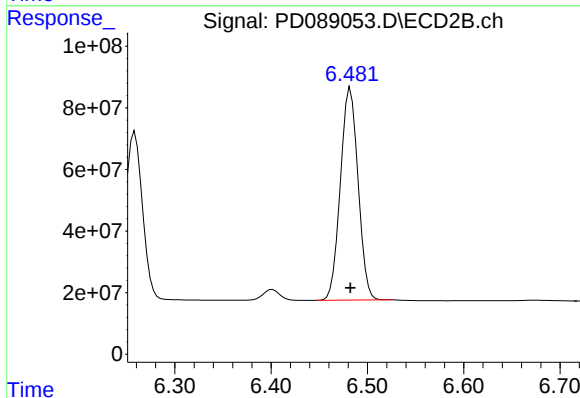
#19 Endosulfan Sulfate

R.T.: 7.150 min  
Delta R.T.: 0.002 min  
Response: 167564503  
Conc: 43.67 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168559BS

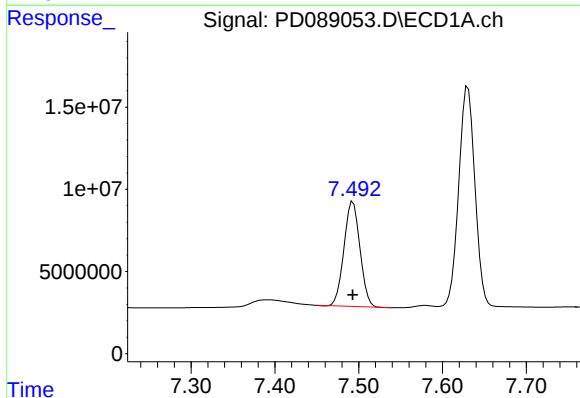
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/23/2025  
Supervised By :mohammad ahmed 06/24/2025



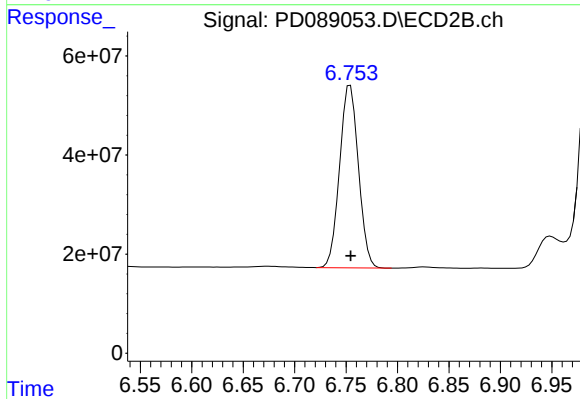
#19 Endosulfan Sulfate

R.T.: 6.482 min  
Delta R.T.: 0.000 min  
Response: 876877815  
Conc: 44.69 ng/ml



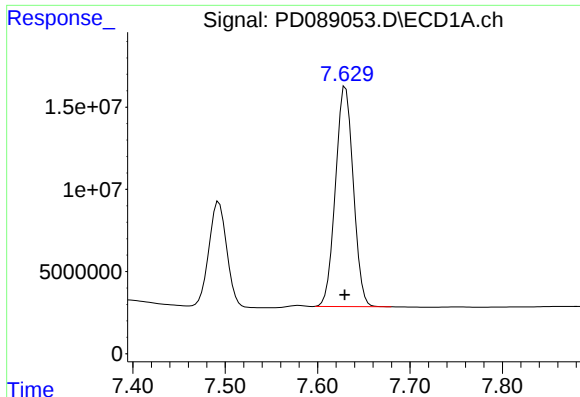
#20 Methoxychlor

R.T.: 7.493 min  
Delta R.T.: 0.000 min  
Response: 84502792  
Conc: 41.82 ng/ml



#20 Methoxychlor

R.T.: 6.754 min  
Delta R.T.: 0.000 min  
Response: 469265705  
Conc: 43.58 ng/ml



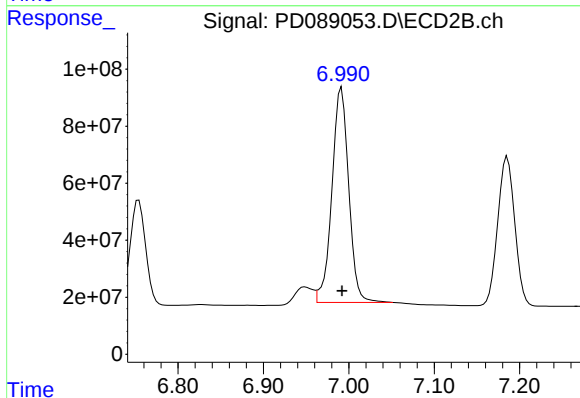
#21 Endrin ketone

R.T.: 7.630 min  
Delta R.T.: 0.000 min  
Response: 179620309  
Conc: 44.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168559BS

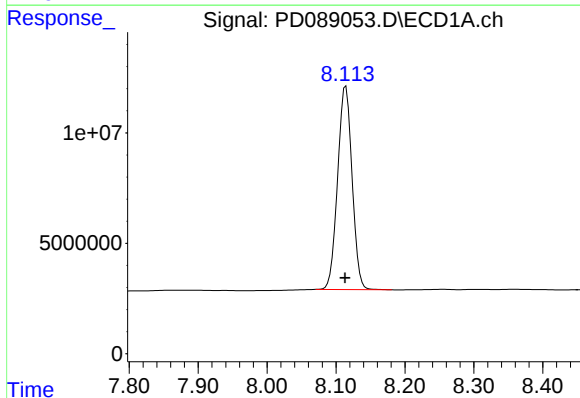
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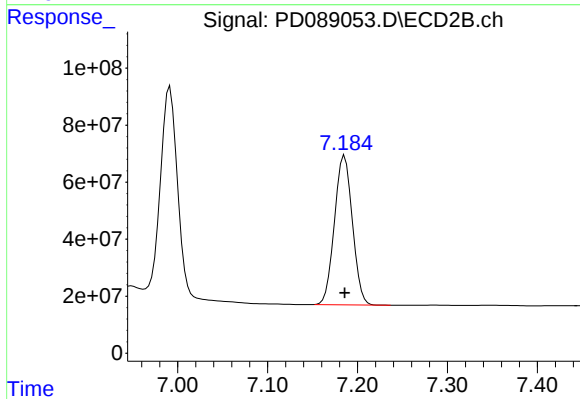
#21 Endrin ketone

R.T.: 6.990 min  
Delta R.T.: -0.002 min  
Response: 1030757633  
Conc: 47.72 ng/ml m



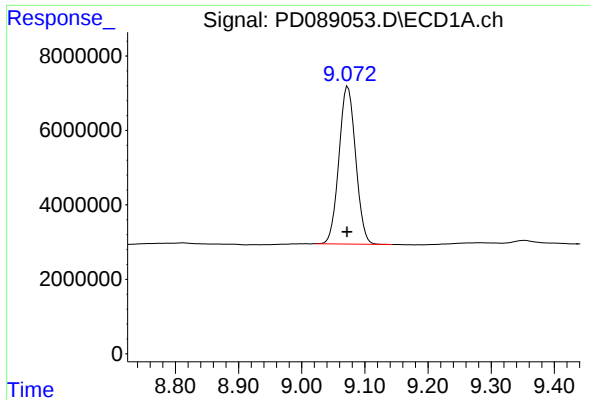
#22 Mirex

R.T.: 8.114 min  
Delta R.T.: 0.000 min  
Response: 134391814  
Conc: 44.21 ng/ml



#22 Mirex

R.T.: 7.186 min  
Delta R.T.: 0.000 min  
Response: 725648331  
Conc: 43.51 ng/ml



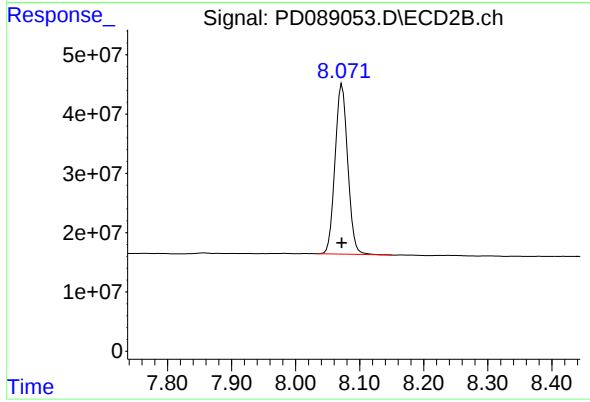
#28 Decachlorobiphenyl

R.T.: 9.073 min  
Delta R.T.: 0.001 min  
Response: 77839609  
Conc: 19.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168559BS

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#28 Decachlorobiphenyl

R.T.: 8.073 min  
Delta R.T.: 0.000 min  
Response: 394254677  
Conc: 19.94 ng/ml