

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD072525\  
 Data File : PD089626.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Jul 2025 14:15  
 Operator : AR\AJ  
 Sample : PB168972BSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB168972BSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 07/25/2025  
 Supervised By : mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 24 23:31:35 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD072125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jul 22 04:39:29 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 | 50278247 | 373.3E6  | 17.449  | 19.078 |
| 28)                         | SA Decachlor... | 9.080 | 8.070 | 79028116 | 438.5E6  | 19.242  | 17.850 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 4.005 | 3.390 | 323.8E6  | 1615.0E6 | 56.711  | 53.752 |
| 3)                          | MA gamma-BHC... | 4.336 | 3.726 | 303.7E6  | 1474.3E6 | 55.043  | 53.104 |
| 4)                          | MA Heptachlor   | 4.935 | 4.079 | 281.3E6  | 1353.4E6 | 51.571  | 48.305 |
| 5)                          | MB Aldrin       | 5.277 | 4.365 | 293.1E6  | 1462.8E6 | 56.002  | 53.414 |
| 6)                          | B beta-BHC      | 4.522 | 4.022 | 115.5E6  | 625.2E6  | 53.549  | 52.529 |
| 7)                          | B delta-BHC     | 4.770 | 4.259 | 296.7E6  | 1492.2E6 | 56.140  | 53.490 |
| 8)                          | B Heptachlo...  | 5.696 | 4.869 | 261.6E6  | 1310.9E6 | 55.376  | 52.727 |
| 9)                          | A Endosulfan I  | 6.080 | 5.243 | 246.4E6  | 1243.3E6 | 55.414  | 52.356 |
| 10)                         | B gamma-Chl...  | 5.951 | 5.122 | 266.9E6  | 1429.9E6 | 56.300  | 53.449 |
| 11)                         | B alpha-Chl...  | 6.032 | 5.187 | 263.2E6  | 1364.8E6 | 55.215  | 52.915 |
| 12)                         | B 4,4'-DDE      | 6.202 | 5.371 | 236.8E6  | 1389.6E6 | 55.153  | 52.926 |
| 13)                         | MA Dieldrin     | 6.353 | 5.509 | 263.5E6  | 1400.7E6 | 55.817  | 53.005 |
| 14)                         | MA Endrin       | 6.580 | 5.786 | 211.2E6  | 1216.4E6 | 51.851  | 50.302 |
| 15)                         | B Endosulfa...  | 6.792 | 6.078 | 216.7E6  | 1210.1E6 | 53.265  | 52.686 |
| 16)                         | A 4,4'-DDD      | 6.711 | 5.926 | 200.8E6  | 1239.7E6 | 59.259  | 56.551 |
| 17)                         | MA 4,4'-DDT     | 7.025 | 6.181 | 151.0E6  | 947.1E6  | 40.009m | 40.461 |
| 18)                         | B Endrin al...  | 6.921 | 6.256 | 158.9E6  | 874.4E6  | 54.503  | 52.683 |
| 19)                         | B Endosulfa...  | 7.155 | 6.480 | 204.2E6  | 1149.8E6 | 54.100  | 51.797 |
| 20)                         | A Methoxychlor  | 7.499 | 6.751 | 81645010 | 479.6E6  | 40.723  | 39.340 |
| 21)                         | B Endrin ke...  | 7.636 | 6.988 | 218.4E6  | 1277.1E6 | 54.266  | 52.152 |
| 22)                         | Mirex           | 8.119 | 7.183 | 136.3E6  | 844.2E6  | 44.305  | 43.675 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD072525\  
Data File : PD089626.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Jul 2025 14:15  
Operator : AR\AJ  
Sample : PB168972BSD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

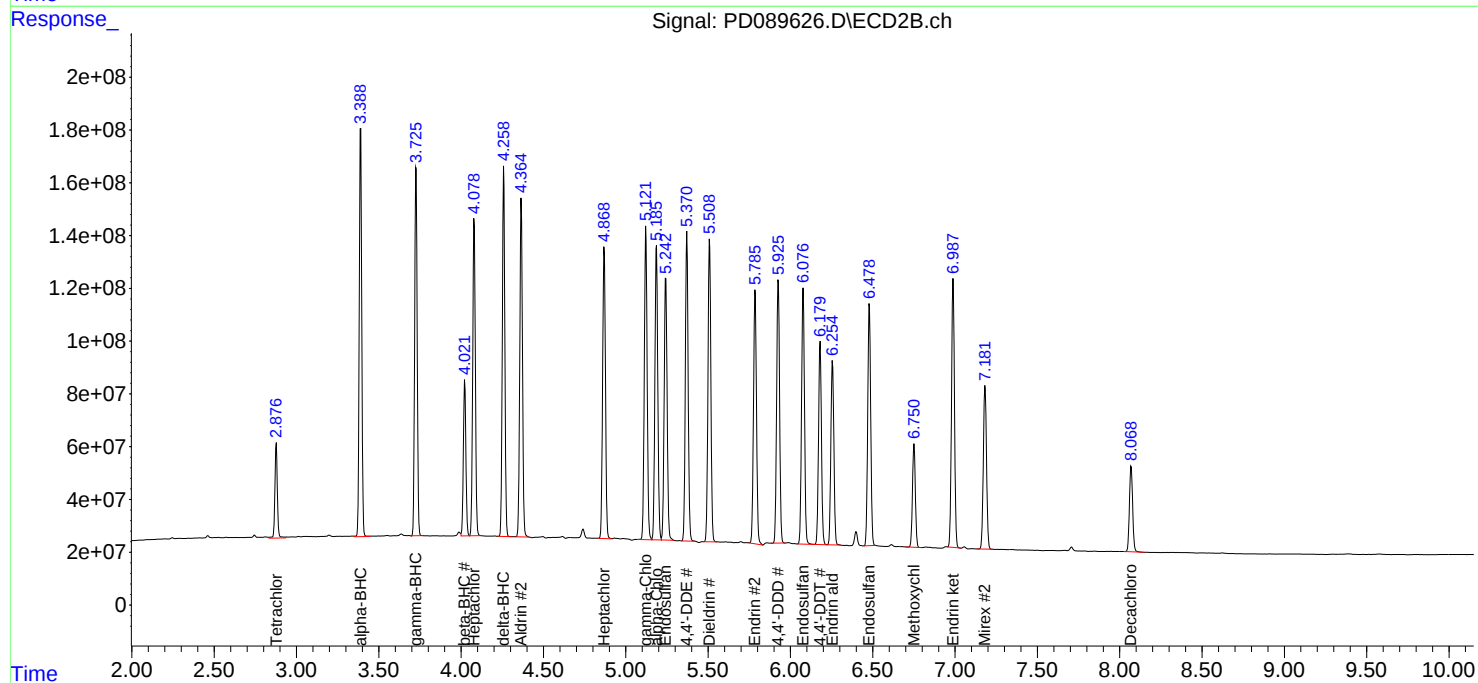
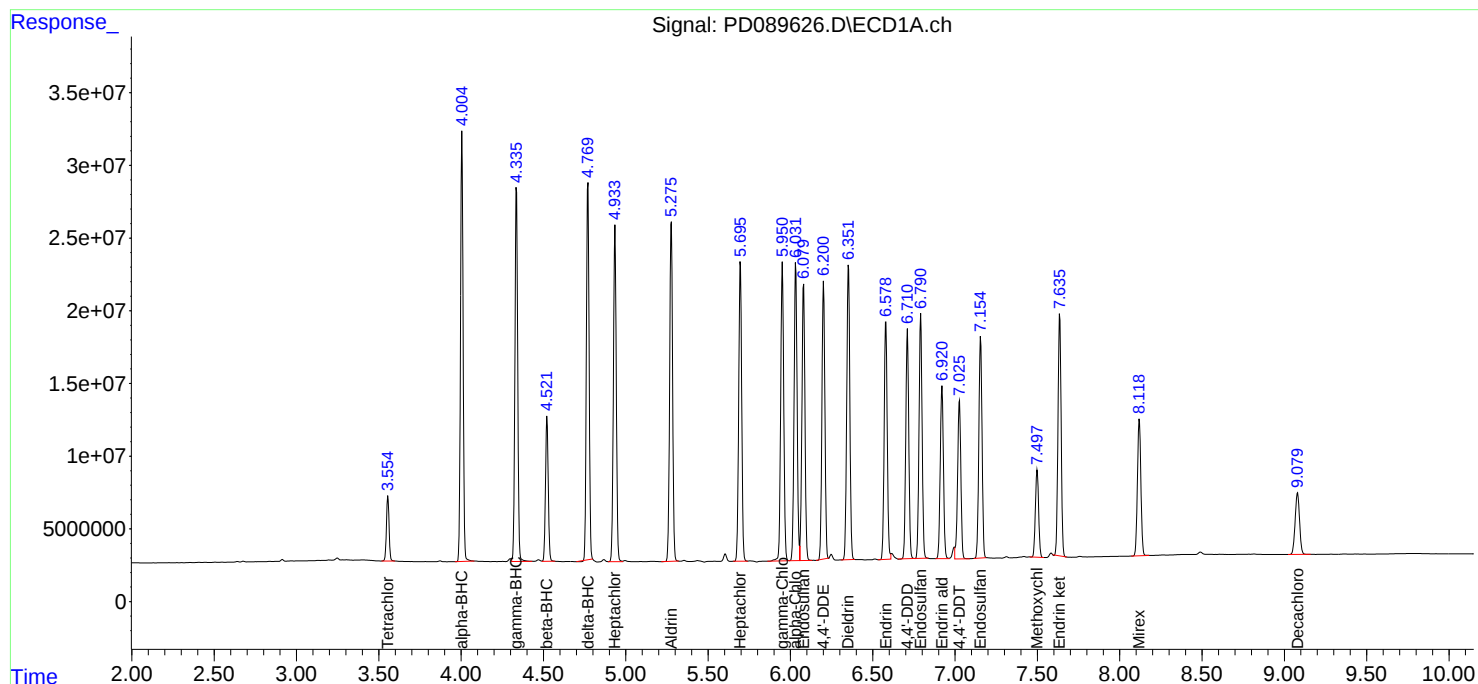
Instrument :  
ECD\_D  
ClientSampleId :  
PB168972BSD

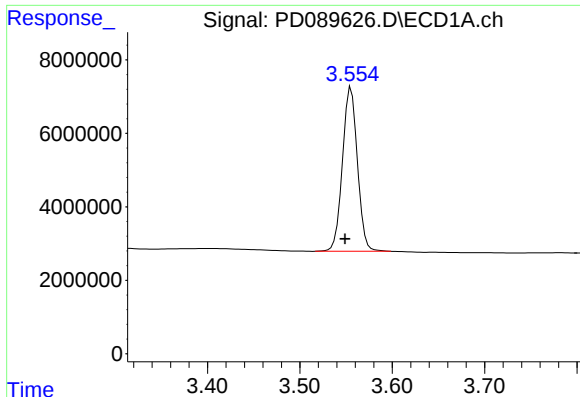
Manual Integrations  
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Reviewed By :Abdul Mirza 07/25/2025  
Supervised By :mohammad ahmed 07/26/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 24 23:31:35 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD072125.M  
Quant Title : GC Extractables  
QLast Update : Tue Jul 22 04:39:29 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.: 0.007 min  
Response: 50278247  
Conc: 17.45 ng/ml

Instrument :

ECD\_D

ClientSampleId :

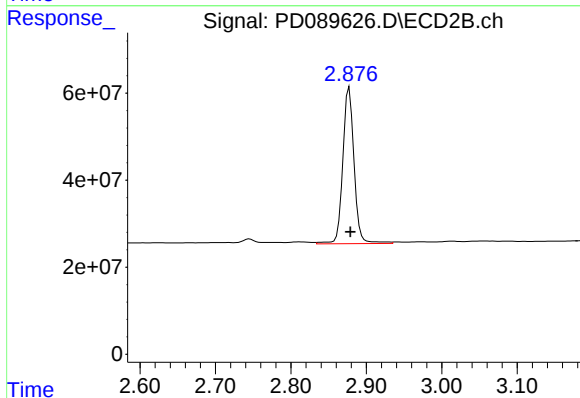
PB168972BSD

Manual Integrations

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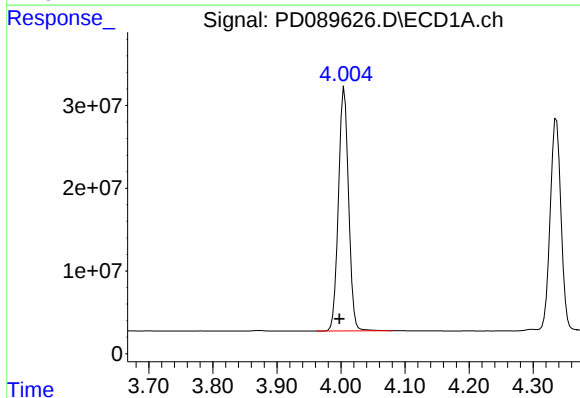
Reviewed By :Abdul Mirza 07/25/2025

Supervised By :mohammad ahmed 07/26/2025



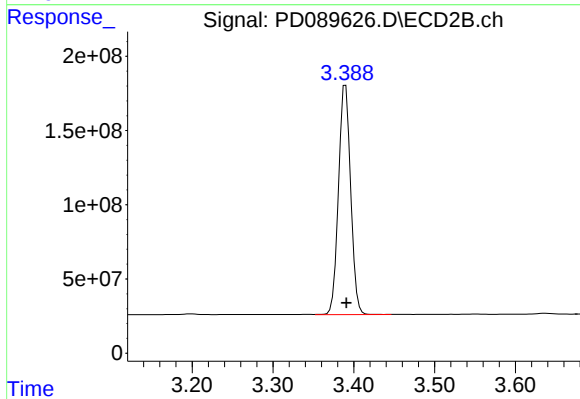
#1 Tetrachloro-m-xylene

R.T.: 2.877 min  
Delta R.T.: -0.002 min  
Response: 373284668  
Conc: 19.08 ng/ml



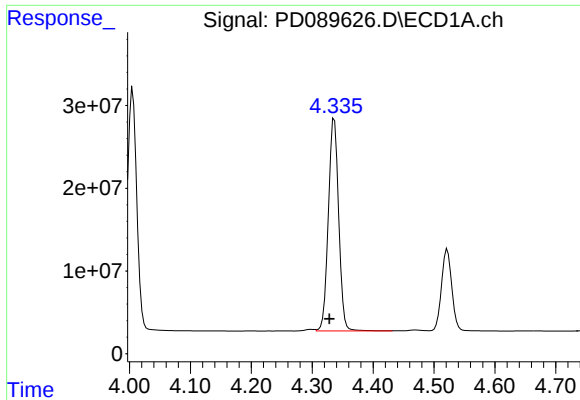
#2 alpha-BHC

R.T.: 4.005 min  
Delta R.T.: 0.008 min  
Response: 323799568  
Conc: 56.71 ng/ml



#2 alpha-BHC

R.T.: 3.390 min  
Delta R.T.: -0.001 min  
Response: 1614955349  
Conc: 53.75 ng/ml



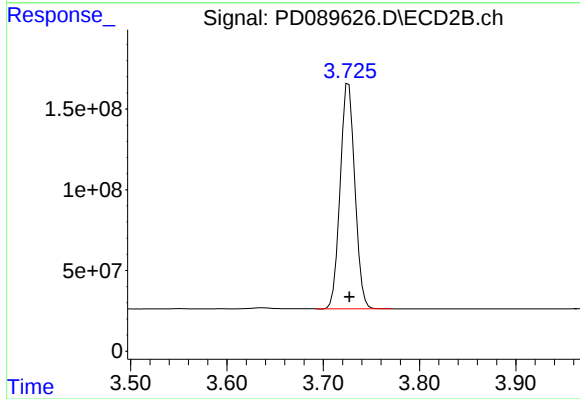
#3 gamma-BHC (Lindane)

R.T.: 4.336 min  
Delta R.T.: 0.008 min  
Response: 303697531  
Conc: 55.04 ng/ml

Instrument :  
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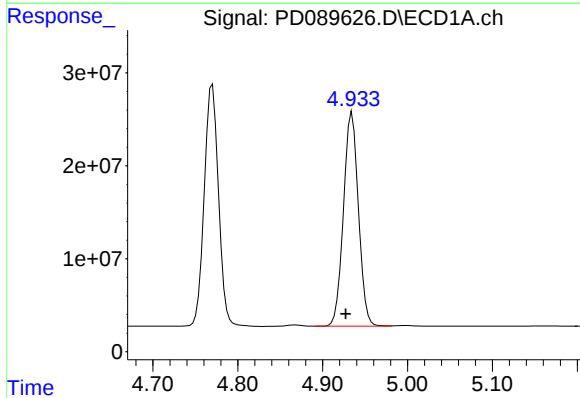
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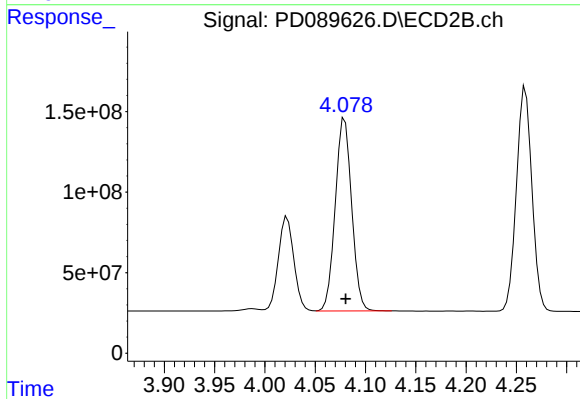
#3 gamma-BHC (Lindane)

R.T.: 3.726 min  
Delta R.T.: 0.000 min  
Response: 1474292089  
Conc: 53.10 ng/ml



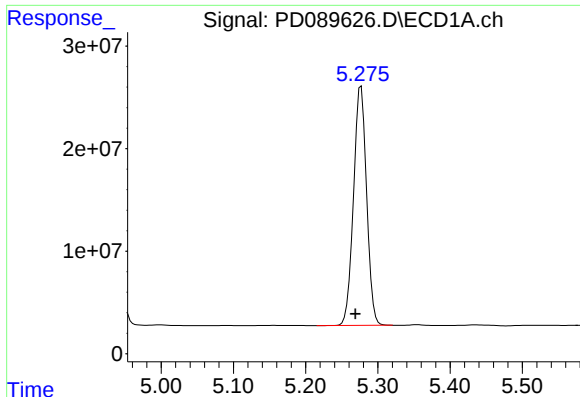
#4 Heptachlor

R.T.: 4.935 min  
Delta R.T.: 0.007 min  
Response: 281260038  
Conc: 51.57 ng/ml



#4 Heptachlor

R.T.: 4.079 min  
Delta R.T.: 0.000 min  
Response: 1353414779  
Conc: 48.30 ng/ml



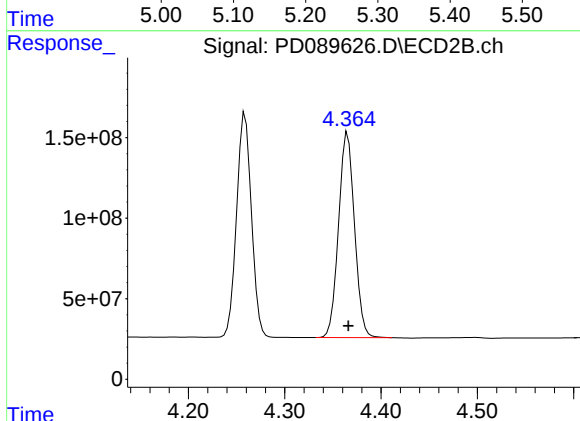
#5 Aldrin

R.T.: 5.277 min  
Delta R.T.: 0.008 min  
Response: 293053091  
Conc: 56.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168972BSD

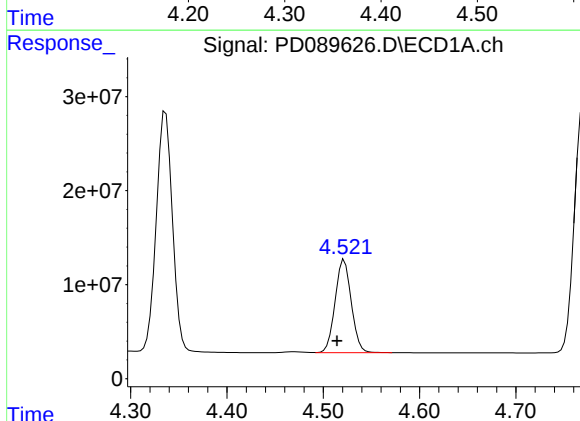
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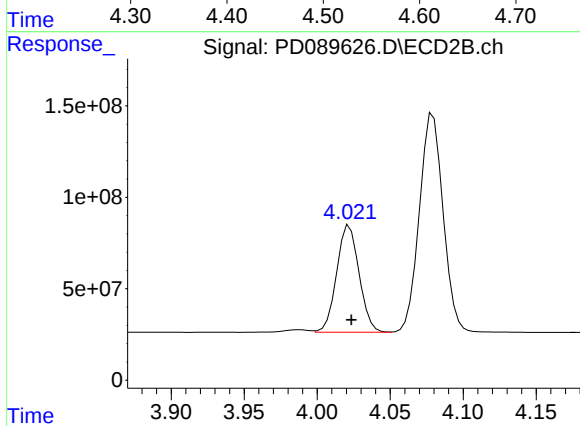
#5 Aldrin

R.T.: 4.365 min  
Delta R.T.: 0.000 min  
Response: 1462817502  
Conc: 53.41 ng/ml



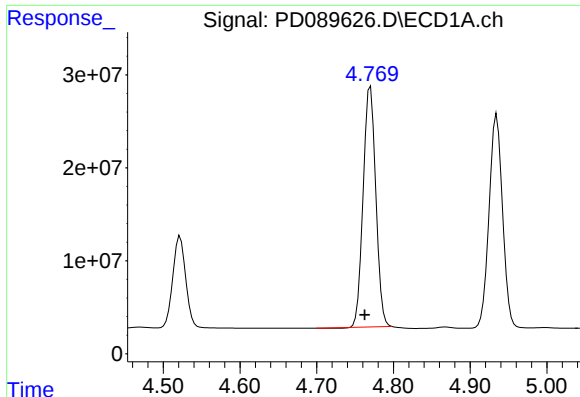
#6 beta-BHC

R.T.: 4.522 min  
Delta R.T.: 0.008 min  
Response: 115459810  
Conc: 53.55 ng/ml



#6 beta-BHC

R.T.: 4.022 min  
Delta R.T.: -0.001 min  
Response: 625234664  
Conc: 52.53 ng/ml



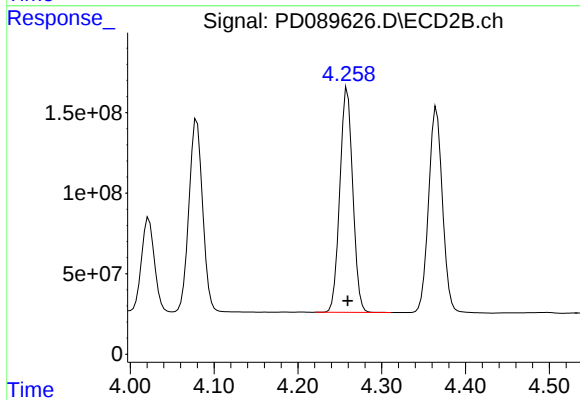
#7 delta-BHC

R.T.: 4.770 min  
Delta R.T.: 0.008 min  
Response: 296711533  
Conc: 56.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168972BSD

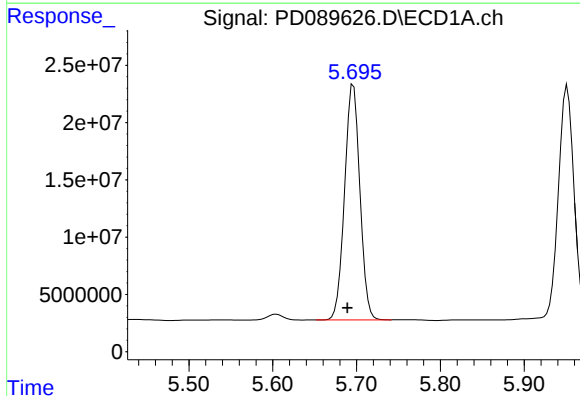
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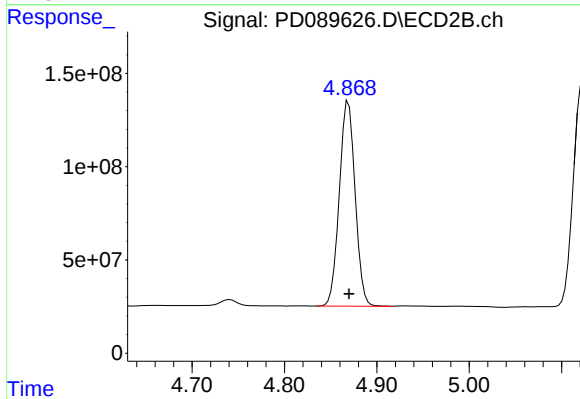
#7 delta-BHC

R.T.: 4.259 min  
Delta R.T.: 0.000 min  
Response: 1492181906  
Conc: 53.49 ng/ml



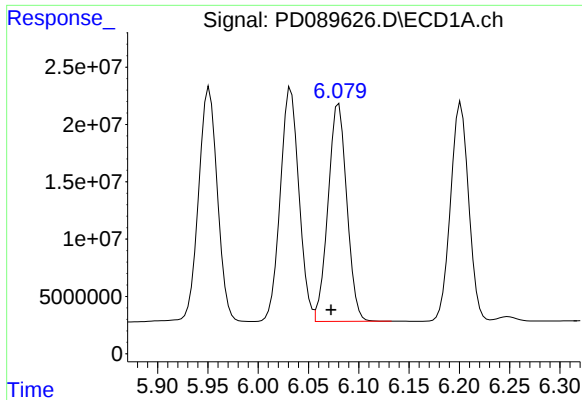
#8 Heptachlor epoxide

R.T.: 5.696 min  
Delta R.T.: 0.007 min  
Response: 261575691  
Conc: 55.38 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min  
Delta R.T.: 0.000 min  
Response: 1310874456  
Conc: 52.73 ng/ml



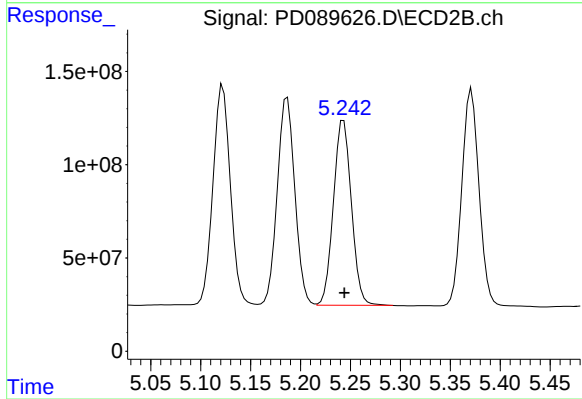
#9 Endosulfan I

R.T.: 6.080 min  
Delta R.T.: 0.008 min  
Response: 246352085  
Conc: 55.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168972BSD

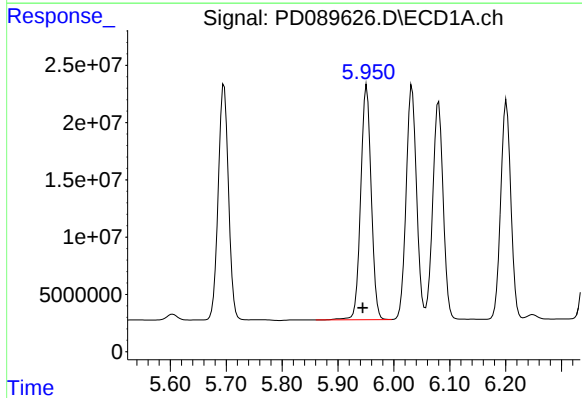
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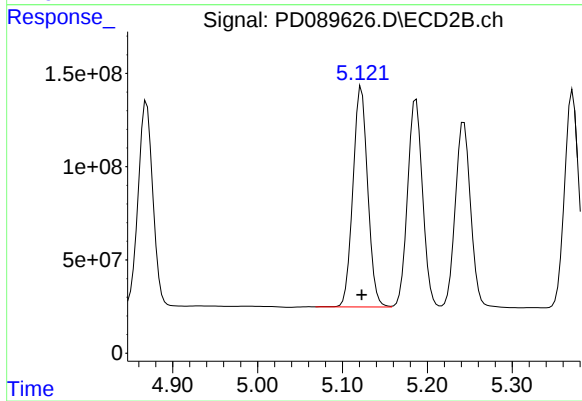
#9 Endosulfan I

R.T.: 5.243 min  
Delta R.T.: 0.000 min  
Response: 1243252752  
Conc: 52.36 ng/ml



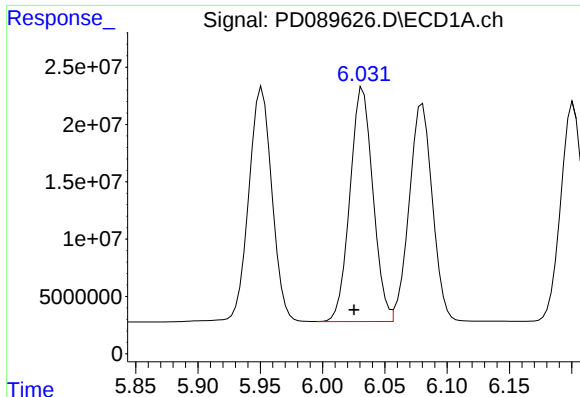
#10 gamma-Chlordane

R.T.: 5.951 min  
Delta R.T.: 0.007 min  
Response: 266918463  
Conc: 56.30 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min  
Delta R.T.: 0.000 min  
Response: 1429914299  
Conc: 53.45 ng/ml



#11 alpha-Chlordane

R.T.: 6.032 min  
Delta R.T.: 0.007 min  
Response: 263192600  
Conc: 55.22 ng/ml

Instrument :

ECD\_D

ClientSampleId :

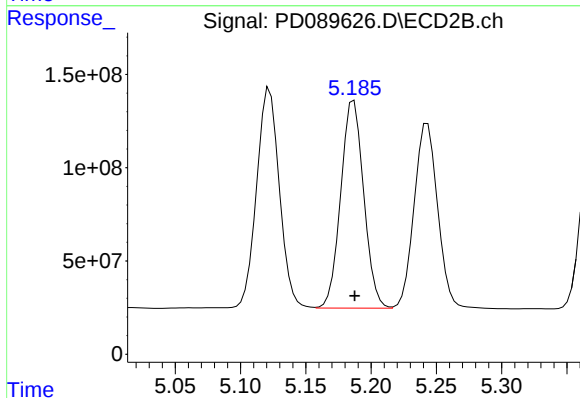
PB168972BSD

Manual Integrations

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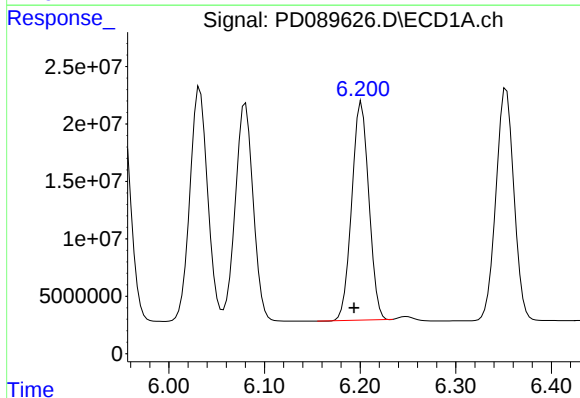
Reviewed By :Abdul Mirza 07/25/2025

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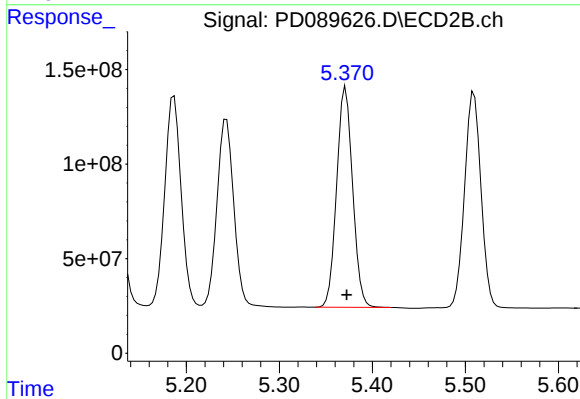
#11 alpha-Chlordane

R.T.: 5.187 min  
Delta R.T.: 0.000 min  
Response: 1364804182  
Conc: 52.92 ng/ml



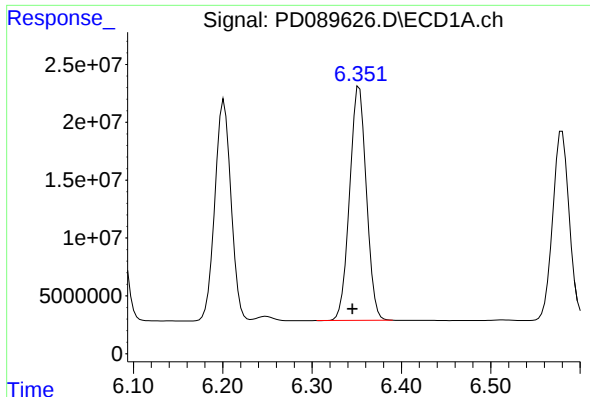
#12 4,4'-DDE

R.T.: 6.202 min  
Delta R.T.: 0.008 min  
Response: 236817919  
Conc: 55.15 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min  
Delta R.T.: -0.001 min  
Response: 1389649351  
Conc: 52.93 ng/ml



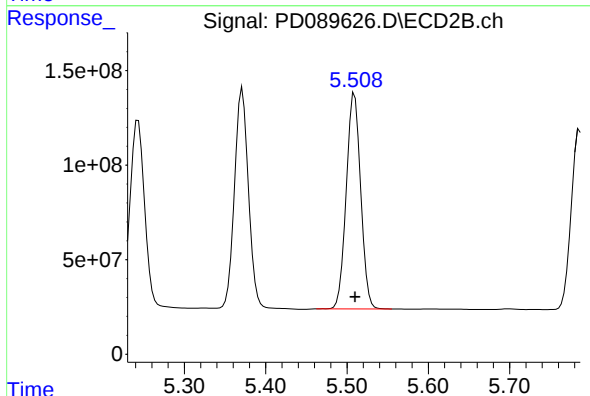
#13 Dieldrin

R.T.: 6.353 min  
Delta R.T.: 0.008 min  
Response: 263493548  
Conc: 55.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168972BSD

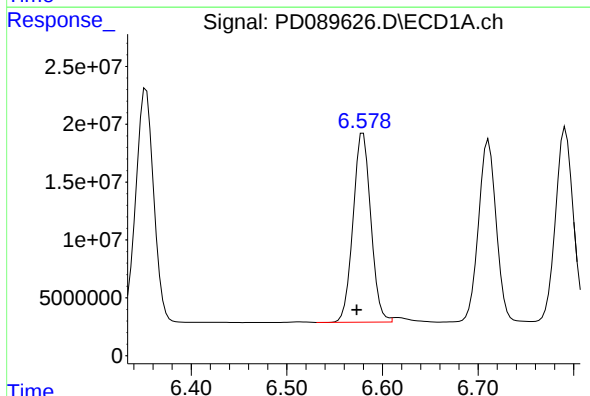
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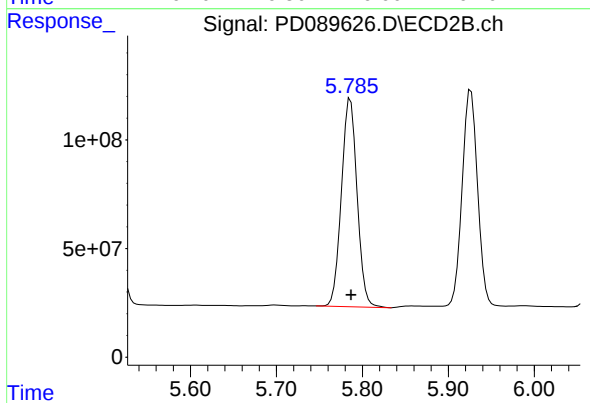
#13 Dieldrin

R.T.: 5.509 min  
Delta R.T.: 0.000 min  
Response: 1400737313  
Conc: 53.00 ng/ml



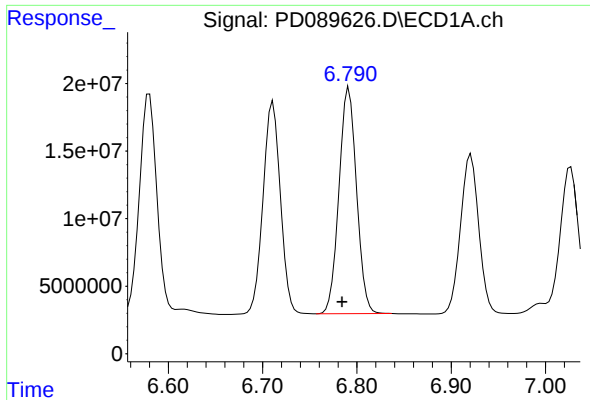
#14 Endrin

R.T.: 6.580 min  
Delta R.T.: 0.007 min  
Response: 211167397  
Conc: 51.85 ng/ml



#14 Endrin

R.T.: 5.786 min  
Delta R.T.: 0.000 min  
Response: 1216389376  
Conc: 50.30 ng/ml



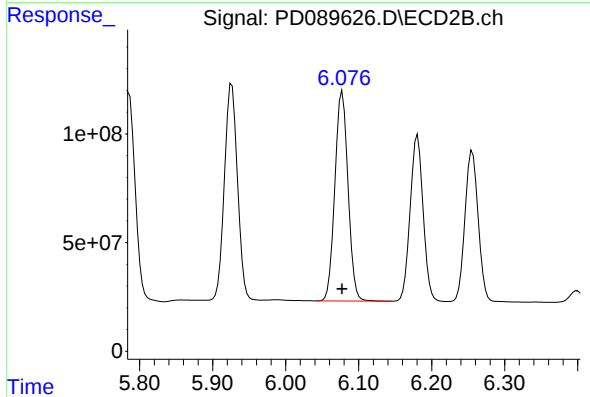
#15 Endosulfan II

R.T.: 6.792 min  
Delta R.T.: 0.007 min  
Response: 216730299  
Conc: 53.26 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168972BSD

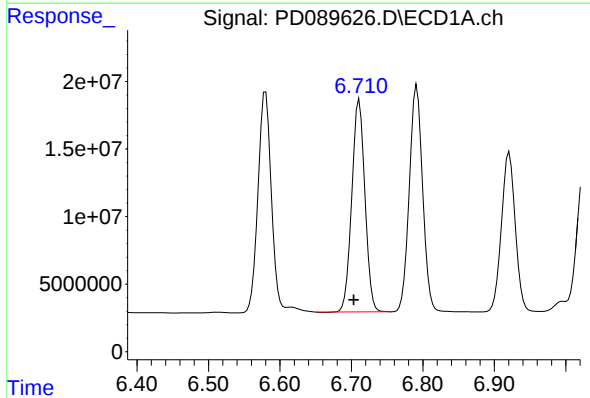
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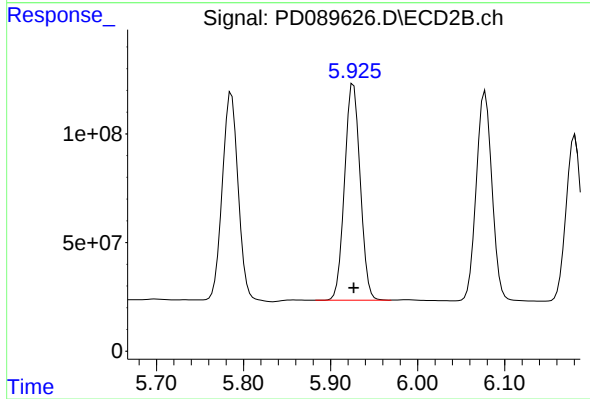
#15 Endosulfan II

R.T.: 6.078 min  
Delta R.T.: 0.000 min  
Response: 1210098985  
Conc: 52.69 ng/ml



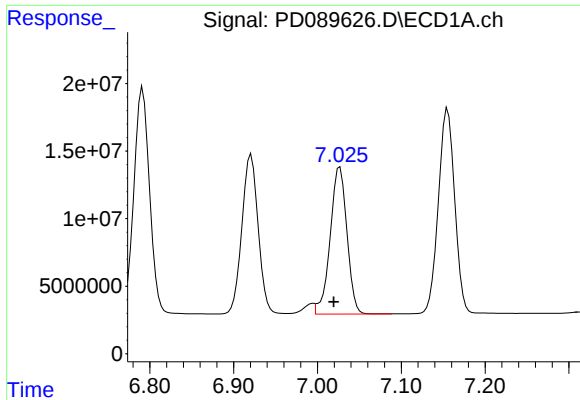
#16 4,4'-DDD

R.T.: 6.711 min  
Delta R.T.: 0.008 min  
Response: 200813676  
Conc: 59.26 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min  
Delta R.T.: 0.000 min  
Response: 1239713202  
Conc: 56.55 ng/ml



#17 4,4'-DDT

R.T.: 7.025 min  
Delta R.T.: 0.006 min  
Response: 150950124  
Conc: 40.01 ng/ml

Instrument :

ECD\_D

ClientSampleId :

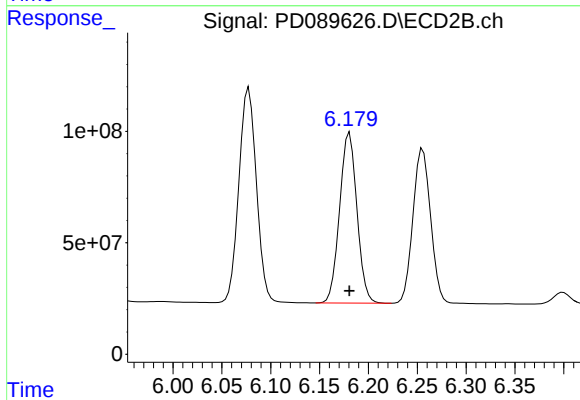
PB168972BSD

Manual Integrations

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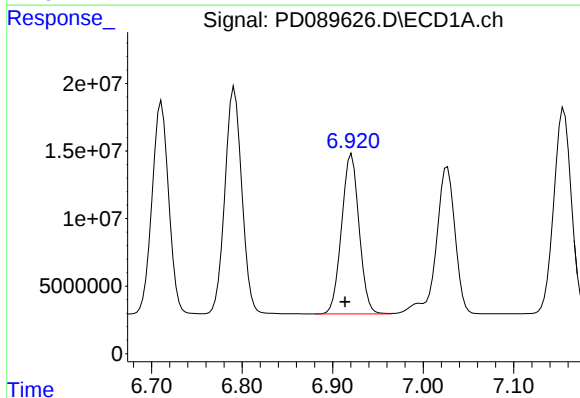
Reviewed By :Abdul Mirza 07/25/2025

Supervised By :mohammad ahmed 07/26/2025



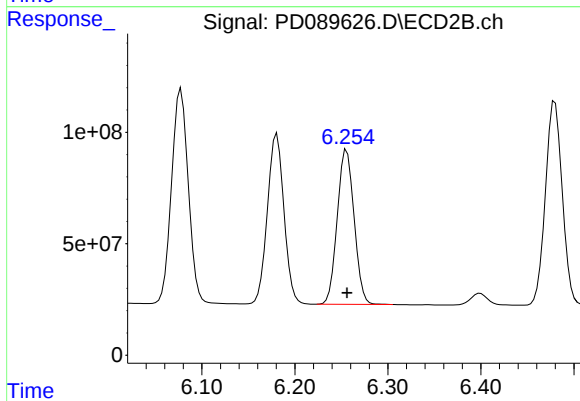
#17 4,4'-DDT

R.T.: 6.181 min  
Delta R.T.: 0.000 min  
Response: 947087508  
Conc: 40.46 ng/ml



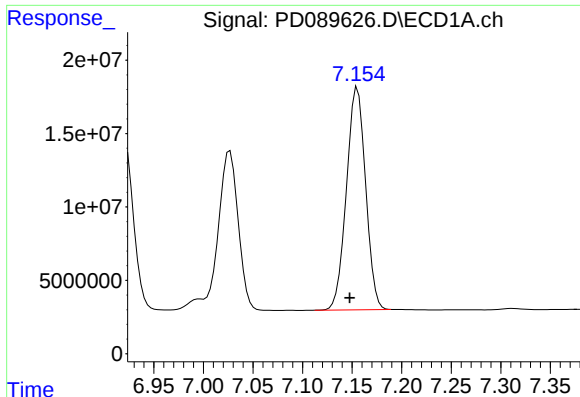
#18 Endrin aldehyde

R.T.: 6.921 min  
Delta R.T.: 0.007 min  
Response: 158910766  
Conc: 54.50 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min  
Delta R.T.: 0.000 min  
Response: 874405563  
Conc: 52.68 ng/ml



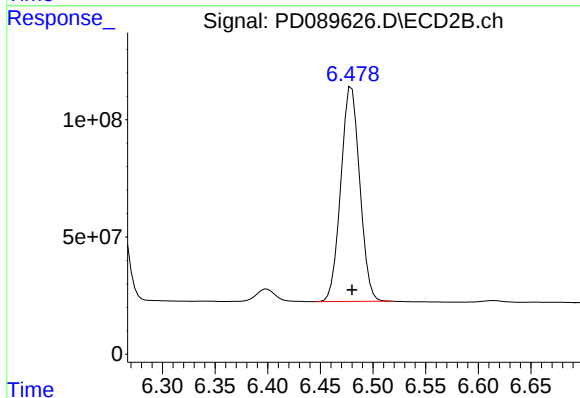
#19 Endosulfan Sulfate

R.T.: 7.155 min  
Delta R.T.: 0.008 min  
Response: 204182602  
Conc: 54.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168972BSD

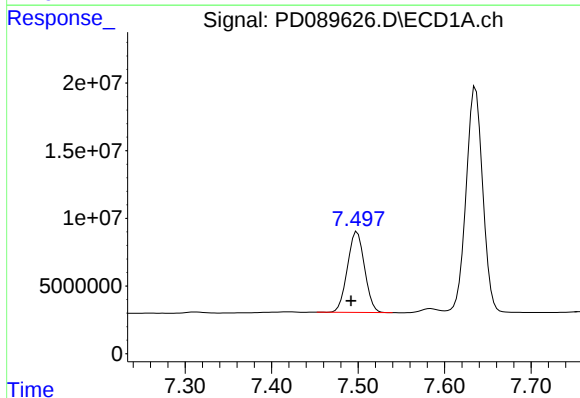
Manual Integrations  
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Reviewed By :Abdul Mirza 07/25/2025  
Supervised By :mohammad ahmed 07/26/2025



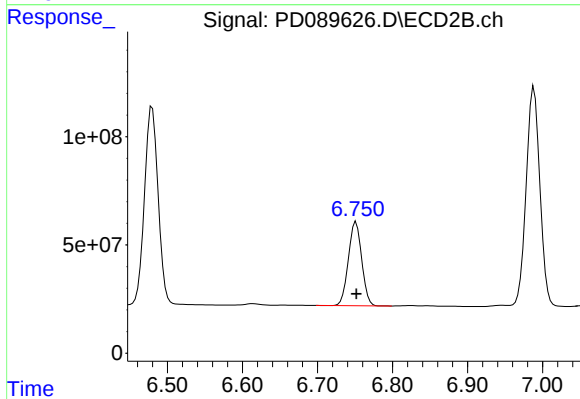
#19 Endosulfan Sulfate

R.T.: 6.480 min  
Delta R.T.: 0.000 min  
Response: 1149785067  
Conc: 51.80 ng/ml



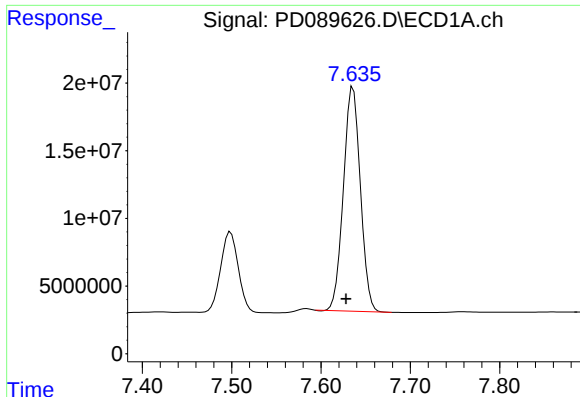
#20 Methoxychlor

R.T.: 7.499 min  
Delta R.T.: 0.007 min  
Response: 81645010  
Conc: 40.72 ng/ml



#20 Methoxychlor

R.T.: 6.751 min  
Delta R.T.: 0.000 min  
Response: 479629751  
Conc: 39.34 ng/ml



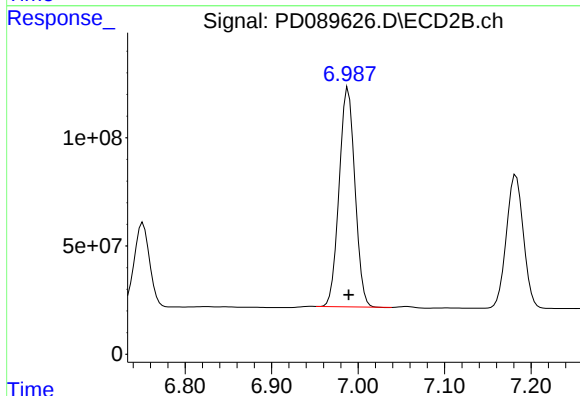
#21 Endrin ketone

R.T.: 7.636 min  
Delta R.T.: 0.008 min  
Response: 218380808  
Conc: 54.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB168972BSD

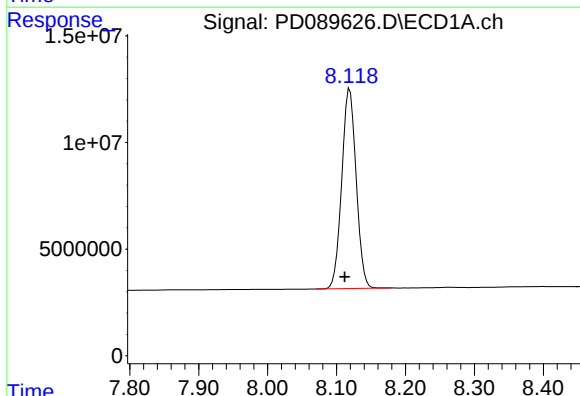
Manual Integrations  
APPROVED

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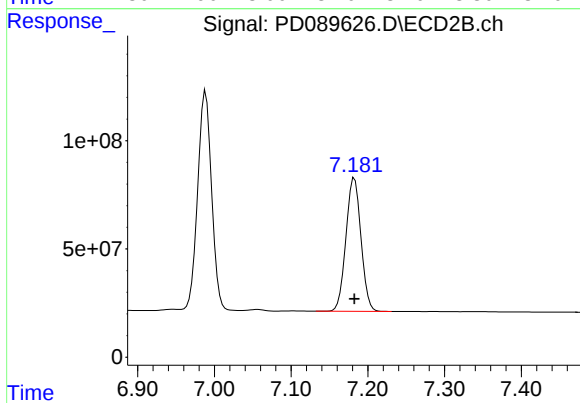
#21 Endrin ketone

R.T.: 6.988 min  
Delta R.T.: 0.000 min  
Response: 1277133786  
Conc: 52.15 ng/ml



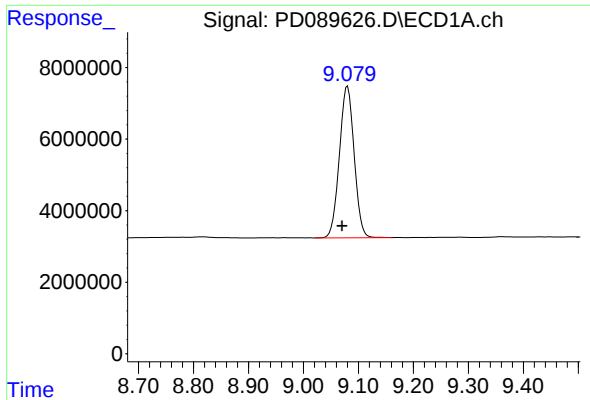
#22 Mirex

R.T.: 8.119 min  
Delta R.T.: 0.007 min  
Response: 136290698  
Conc: 44.30 ng/ml



#22 Mirex

R.T.: 7.183 min  
Delta R.T.: 0.000 min  
Response: 844223916  
Conc: 43.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.080 min  
Delta R.T.: 0.010 min  
Response: 79028116  
Conc: 19.24 ng/ml

Instrument :

ECD\_D

ClientSampleId :

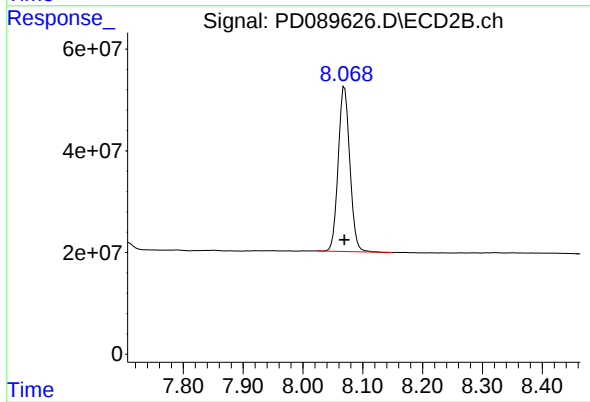
PB168972BSD

Manual Integrations

APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.070 min  
Delta R.T.: 0.000 min  
Response: 438542511  
Conc: 17.85 ng/ml