

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD091625\  
 Data File : PD090305.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Sep 2025 19:17  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 09/17/2025  
 Supervised By : mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 17 02:50:21 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 x 0.5 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... | 3.547 | 2.877 | 145.7E6  | 1192.6E6 | 49.650  | 54.083 |
| 28)                         | SA Decachlor... | 9.066 | 8.064 | 194.4E6  | 1117.0E6 | 45.051  | 43.151 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.996 | 3.388 | 312.5E6  | 1908.5E6 | 52.067  | 56.233 |
| 3)                          | MA gamma-BHC... | 4.325 | 3.725 | 292.7E6  | 1767.3E6 | 51.108m | 56.697 |
| 4)                          | MA Heptachlor   | 4.924 | 4.077 | 288.2E6  | 1756.8E6 | 51.372  | 56.322 |
| 5)                          | MB Aldrin       | 5.264 | 4.363 | 275.9E6  | 1724.3E6 | 50.950m | 56.616 |
| 6)                          | B beta-BHC      | 4.513 | 4.020 | 111.6E6  | 747.6E6  | 49.763  | 56.086 |
| 7)                          | B delta-BHC     | 4.761 | 4.257 | 292.6E6  | 1789.6E6 | 56.512  | 56.724 |
| 8)                          | B Heptachlo...  | 5.686 | 4.866 | 244.4E6  | 1544.7E6 | 49.800  | 55.775 |
| 9)                          | A Endosulfan I  | 6.070 | 5.240 | 222.7E6  | 1432.6E6 | 48.265  | 54.635 |
| 10)                         | B gamma-Chl...  | 5.941 | 5.119 | 244.2E6  | 1662.1E6 | 49.935  | 56.130 |
| 11)                         | B alpha-Chl...  | 6.021 | 5.184 | 243.3E6  | 1589.7E6 | 49.436m | 55.704 |
| 12)                         | B 4,4'-DDE      | 6.192 | 5.368 | 217.8E6  | 1609.1E6 | 49.630  | 55.829 |
| 13)                         | MA Dieldrin     | 6.341 | 5.506 | 238.1E6  | 1631.9E6 | 48.641m | 55.721 |
| 14)                         | MA Endrin       | 6.568 | 5.782 | 194.6E6  | 1454.0E6 | 46.956m | 54.597 |
| 15)                         | B Endosulfa...  | 6.782 | 6.074 | 202.7E6  | 1347.2E6 | 48.042  | 53.258 |
| 16)                         | A 4,4'-DDD      | 6.701 | 5.922 | 166.9E6  | 1318.6E6 | 48.253  | 54.843 |
| 17)                         | MA 4,4'-DDT     | 7.015 | 6.176 | 168.4E6  | 1345.3E6 | 44.209m | 53.661 |
| 18)                         | B Endrin al...  | 6.911 | 6.252 | 138.1E6  | 939.2E6  | 48.171  | 54.541 |
| 19)                         | B Endosulfa...  | 7.145 | 6.476 | 182.1E6  | 1262.8E6 | 46.469m | 51.797 |
| 20)                         | A Methoxychlor  | 7.489 | 6.747 | 89497023 | 654.3E6  | 44.623  | 50.738 |
| 21)                         | B Endrin ke...  | 7.626 | 6.985 | 193.1E6  | 1323.9E6 | 46.600  | 49.686 |
| 22)                         | Mirex           | 8.109 | 7.178 | 138.5E6  | 983.1E6  | 43.898  | 47.595 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD091625\  
Data File : PD090305.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Sep 2025 19:17  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDCCC050

## Manual Integrations

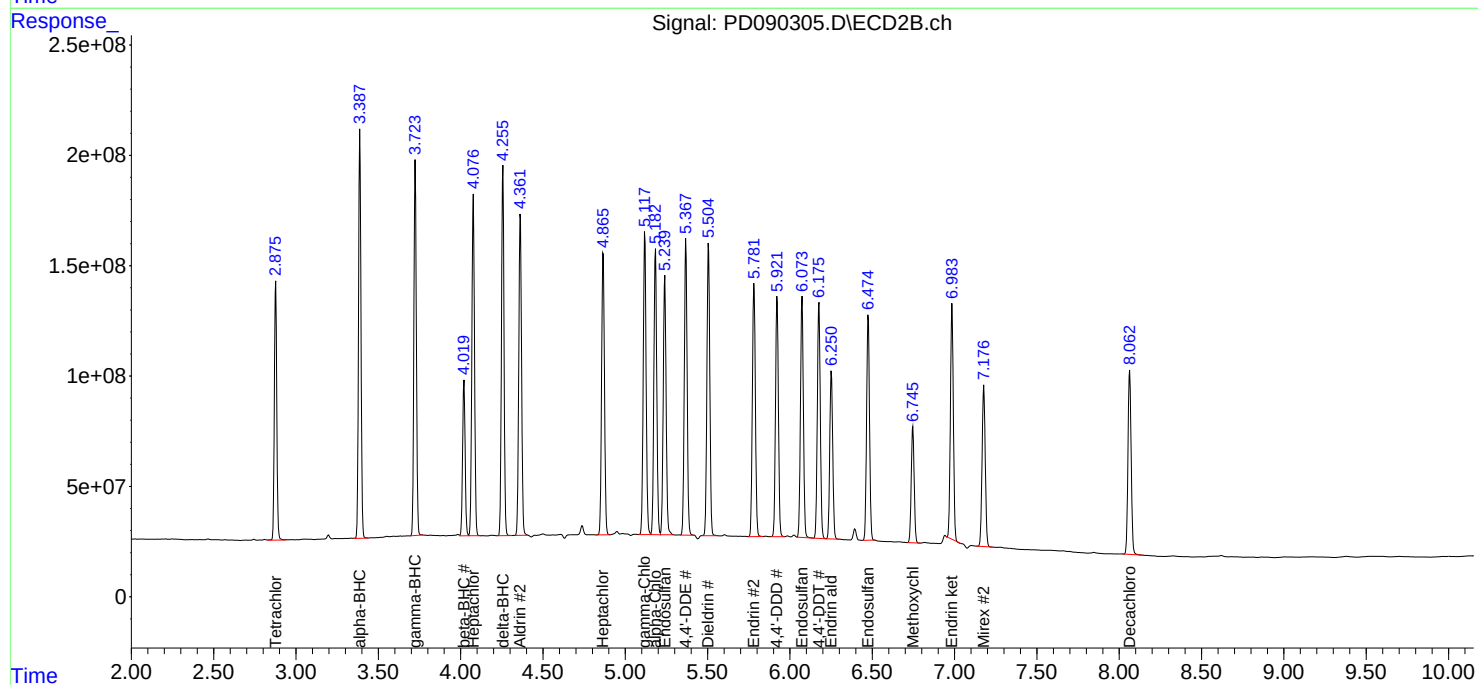
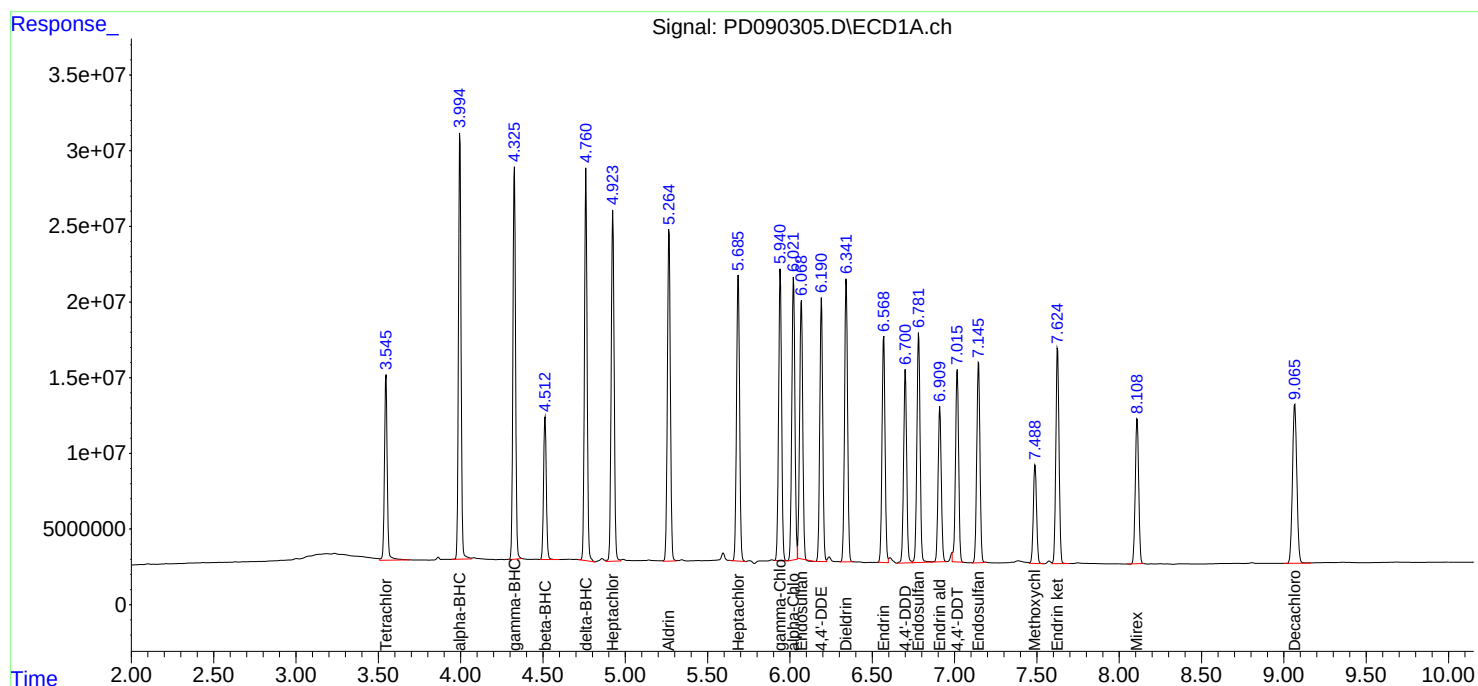
## APPROVED

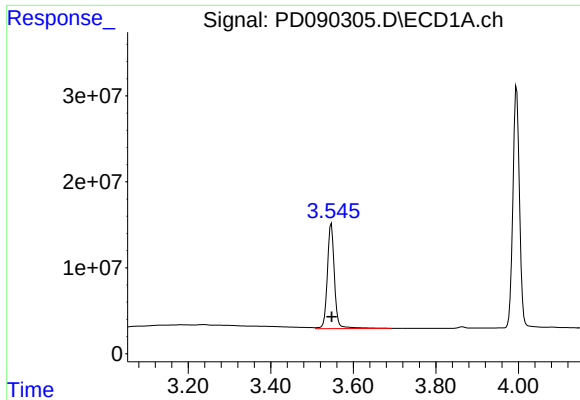
Reviewed By :Abdul Mirza 09/17/2025

Supervised By :mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 17 02:50:21 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





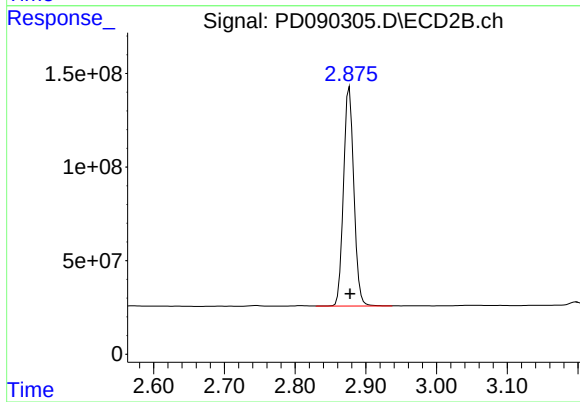
#1 Tetrachloro-m-xylene

R.T.: 3.547 min  
Delta R.T.: -0.001 min  
Response: 145715620  
Conc: 49.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

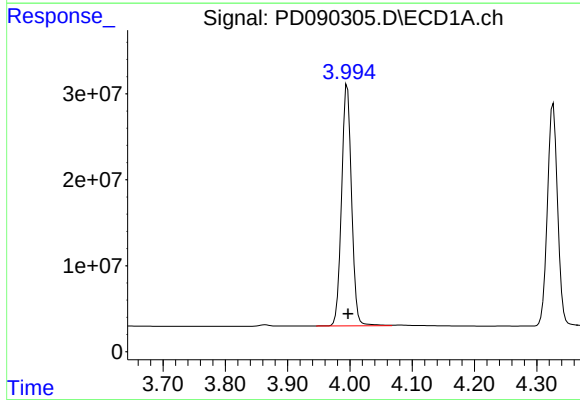
Manual Integrations  
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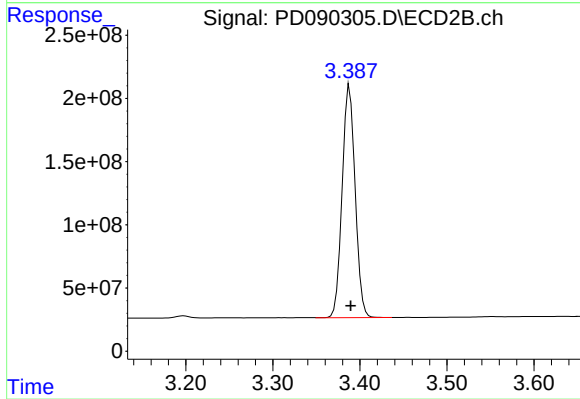
#1 Tetrachloro-m-xylene

R.T.: 2.877 min  
Delta R.T.: -0.001 min  
Response: 1192561722  
Conc: 54.08 ng/ml



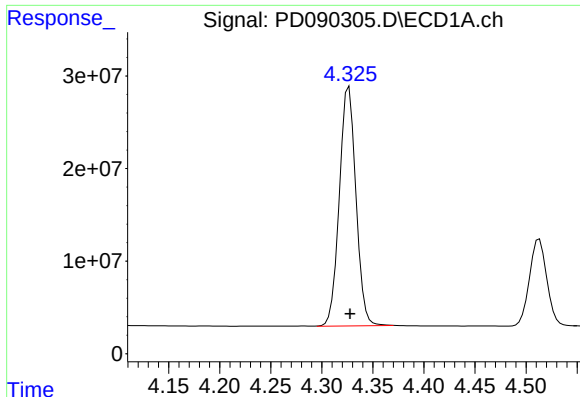
#2 alpha-BHC

R.T.: 3.996 min  
Delta R.T.: -0.001 min  
Response: 312518344  
Conc: 52.07 ng/ml



#2 alpha-BHC

R.T.: 3.388 min  
Delta R.T.: -0.001 min  
Response: 1908482765  
Conc: 56.23 ng/ml



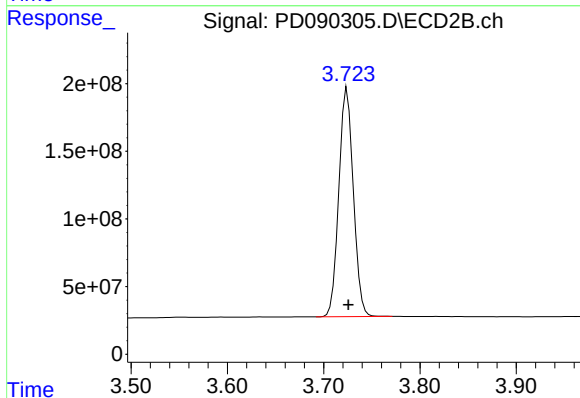
#3 gamma-BHC (Lindane)

R.T.: 4.325 min  
Delta R.T.: -0.003 min  
Response: 292687987  
Conc: 51.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

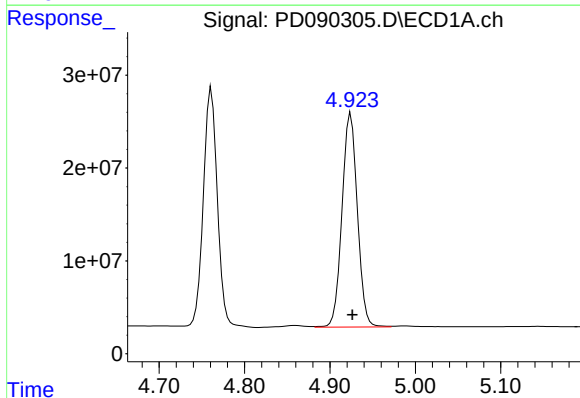
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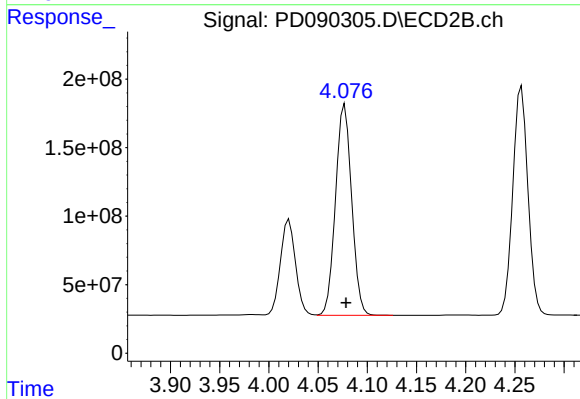
#3 gamma-BHC (Lindane)

R.T.: 3.725 min  
Delta R.T.: -0.001 min  
Response: 1767294206  
Conc: 56.70 ng/ml



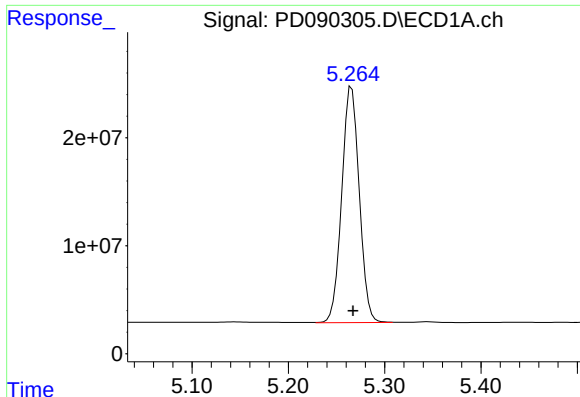
#4 Heptachlor

R.T.: 4.924 min  
Delta R.T.: -0.002 min  
Response: 288155592  
Conc: 51.37 ng/ml



#4 Heptachlor

R.T.: 4.077 min  
Delta R.T.: -0.001 min  
Response: 1756759629  
Conc: 56.32 ng/ml



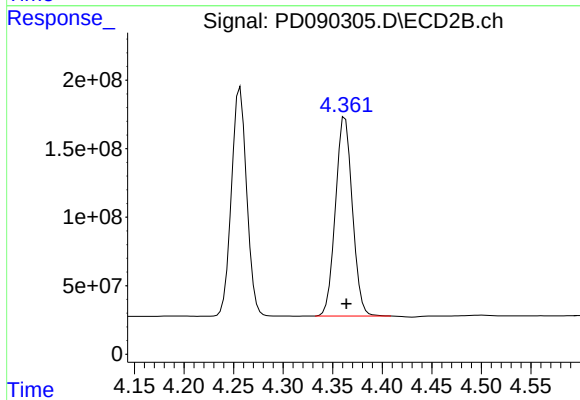
#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: -0.003 min  
Response: 275870917  
Conc: 50.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

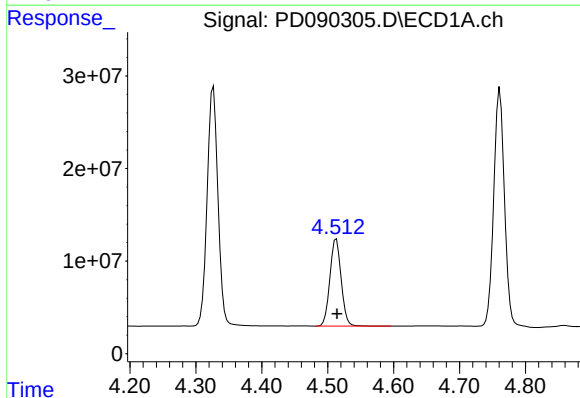
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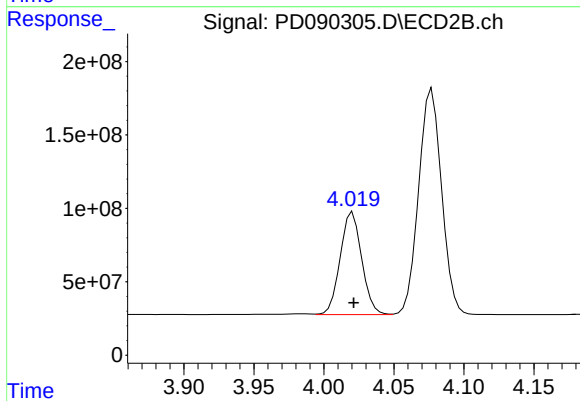
#5 Aldrin

R.T.: 4.363 min  
Delta R.T.: -0.001 min  
Response: 1724271168  
Conc: 56.62 ng/ml



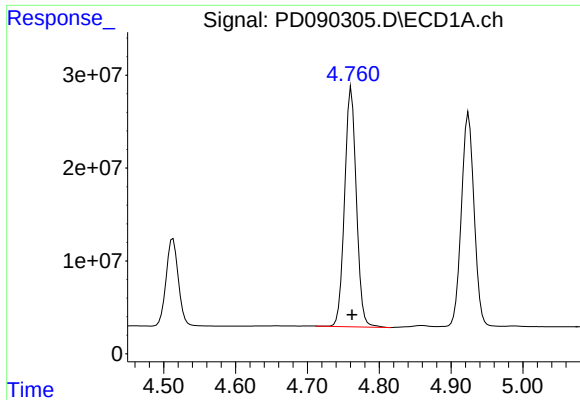
#6 beta-BHC

R.T.: 4.513 min  
Delta R.T.: 0.000 min  
Response: 111619381  
Conc: 49.76 ng/ml



#6 beta-BHC

R.T.: 4.020 min  
Delta R.T.: 0.000 min  
Response: 747634458  
Conc: 56.09 ng/ml



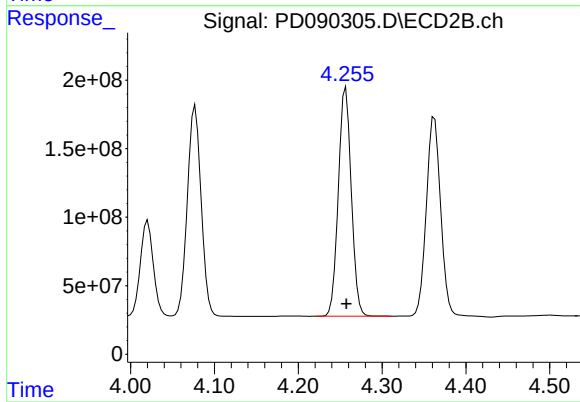
#7 delta-BHC

R.T.: 4.761 min  
Delta R.T.: 0.000 min  
Response: 292603285  
Conc: 56.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

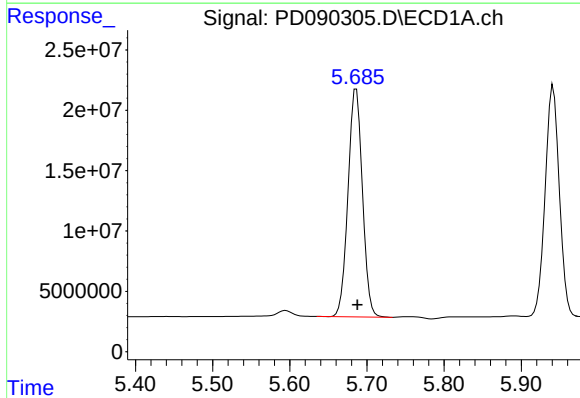
Manual Integrations  
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Supervised By :mohammad ahmed 09/18/2025



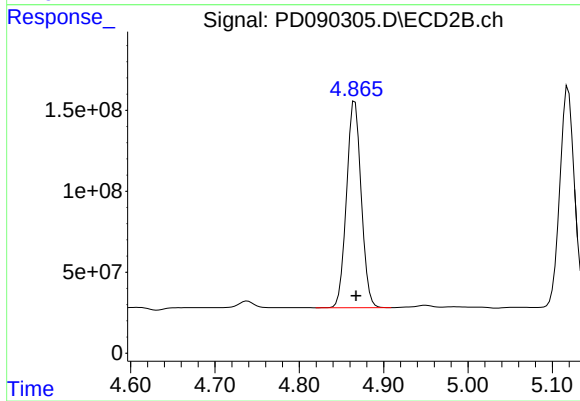
#7 delta-BHC

R.T.: 4.257 min  
Delta R.T.: 0.000 min  
Response: 1789642083  
Conc: 56.72 ng/ml



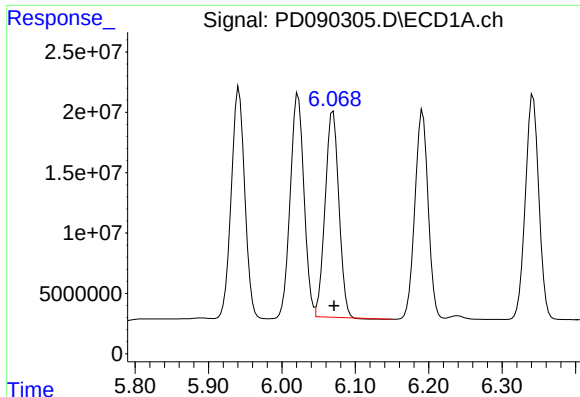
#8 Heptachlor epoxide

R.T.: 5.686 min  
Delta R.T.: -0.001 min  
Response: 244359862  
Conc: 49.80 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min  
Delta R.T.: -0.001 min  
Response: 1544690222  
Conc: 55.78 ng/ml



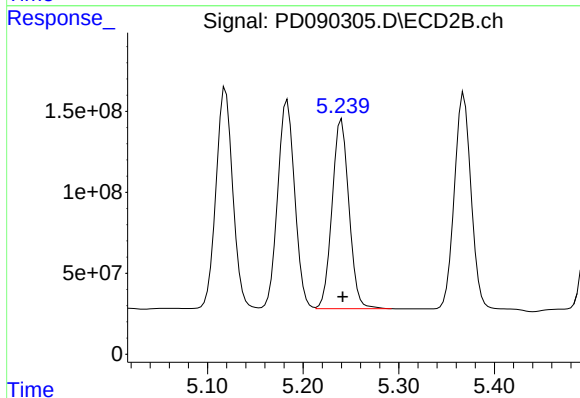
#9 Endosulfan I

R.T.: 6.070 min  
Delta R.T.: -0.001 min  
Response: 222737184  
Conc: 48.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

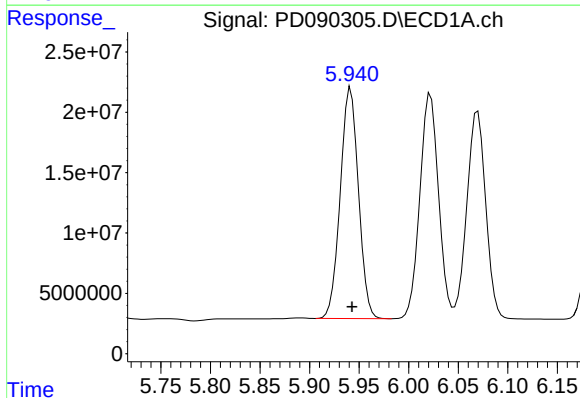
Manual Integrations  
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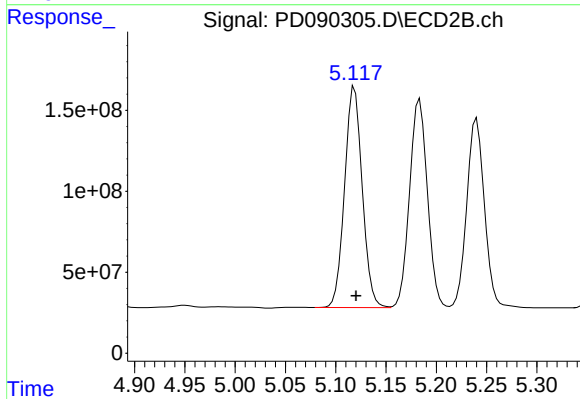
#9 Endosulfan I

R.T.: 5.240 min  
Delta R.T.: -0.001 min  
Response: 1432617394  
Conc: 54.63 ng/ml



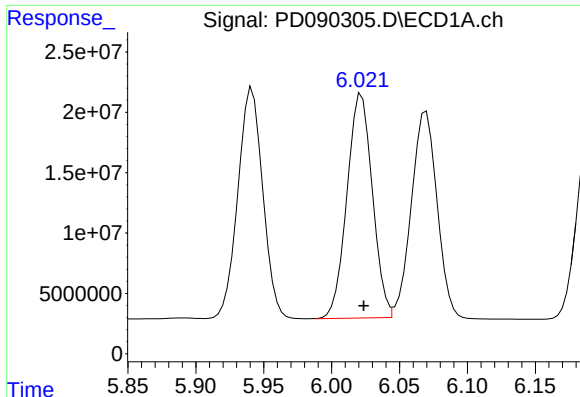
#10 gamma-Chlordane

R.T.: 5.941 min  
Delta R.T.: -0.001 min  
Response: 244231400  
Conc: 49.94 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min  
Delta R.T.: -0.002 min  
Response: 1662093417  
Conc: 56.13 ng/ml



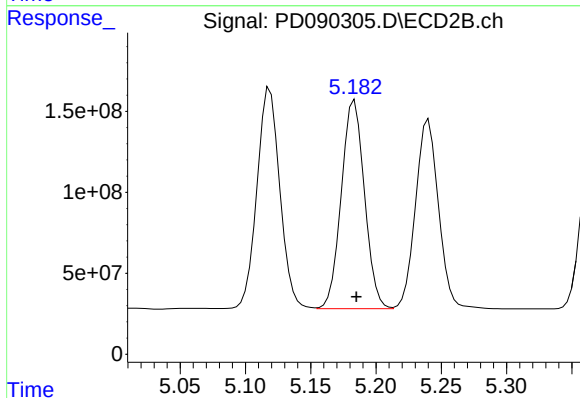
#11 alpha-Chlordane

R.T.: 6.021 min  
Delta R.T.: -0.003 min  
Response: 243343154  
Conc: 49.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

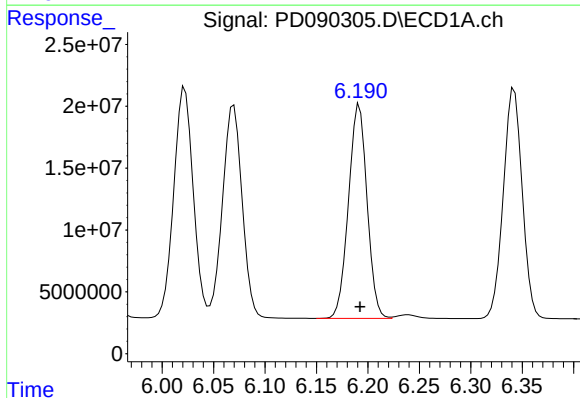
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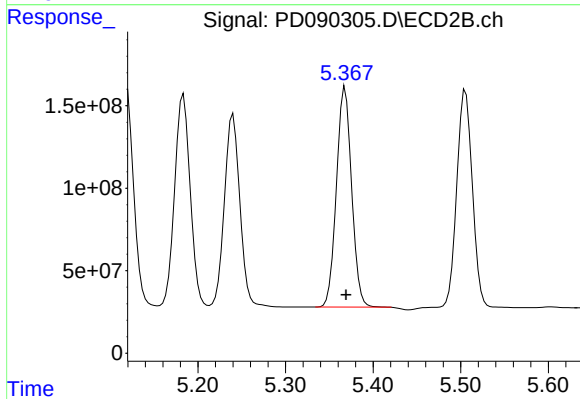
#11 alpha-Chlordane

R.T.: 5.184 min  
Delta R.T.: -0.001 min  
Response: 1589695545  
Conc: 55.70 ng/ml



#12 4,4'-DDE

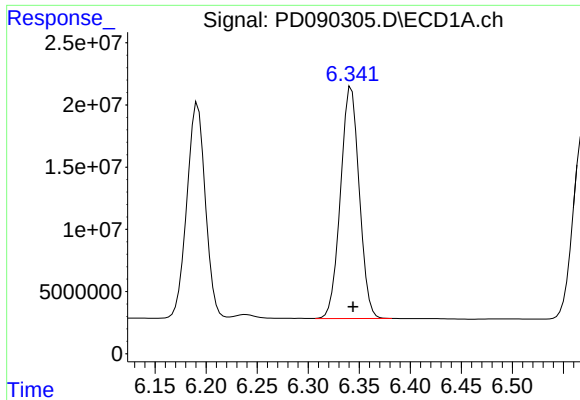
R.T.: 6.192 min  
Delta R.T.: 0.000 min  
Response: 217792586  
Conc: 49.63 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min  
Delta R.T.: -0.001 min  
Response: 1609135109  
Conc: 55.83 ng/ml





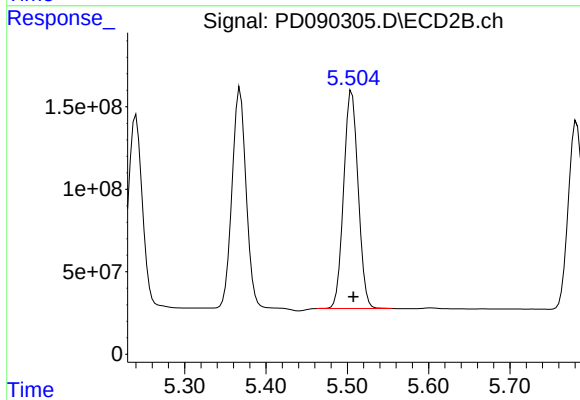
#13 Dieldrin

R.T.: 6.341 min  
Delta R.T.: -0.003 min  
Response: 238133663  
Conc: 48.64 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

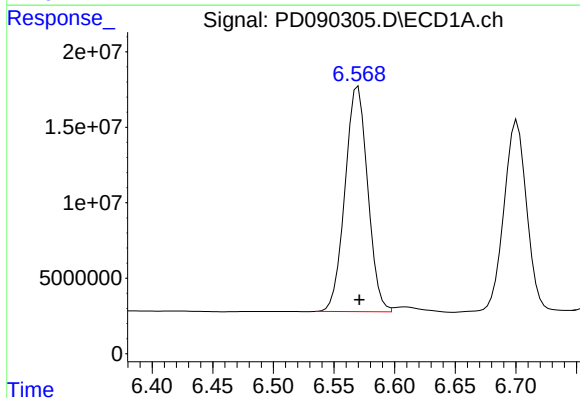
Manual Integrations  
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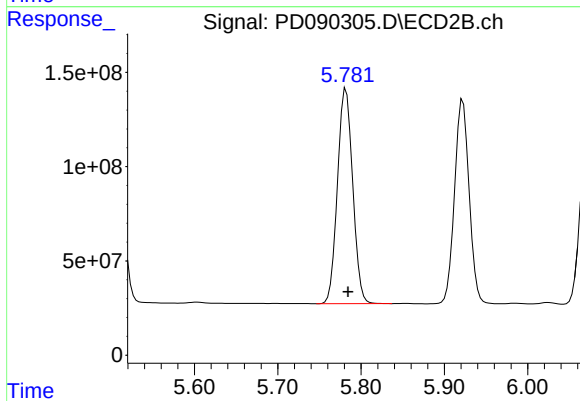
#13 Dieldrin

R.T.: 5.506 min  
Delta R.T.: -0.002 min  
Response: 1631920270  
Conc: 55.72 ng/ml



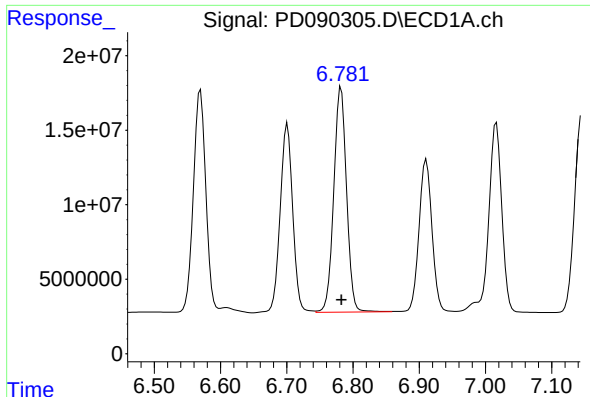
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: -0.003 min  
Response: 194563567  
Conc: 46.96 ng/ml m



#14 Endrin

R.T.: 5.782 min  
Delta R.T.: -0.002 min  
Response: 1454039503  
Conc: 54.60 ng/ml



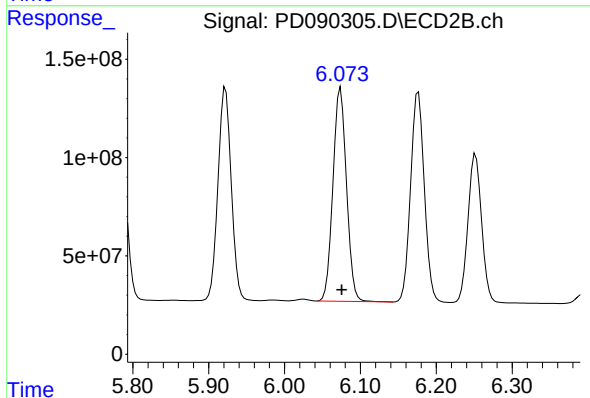
#15 Endosulfan II

R.T.: 6.782 min  
Delta R.T.: 0.000 min  
Response: 202725443  
Conc: 48.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

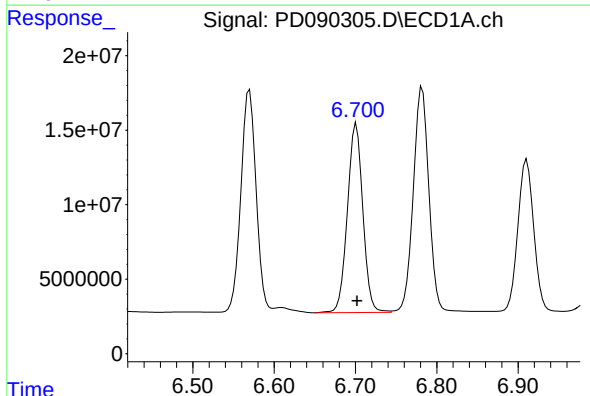
Manual Integrations  
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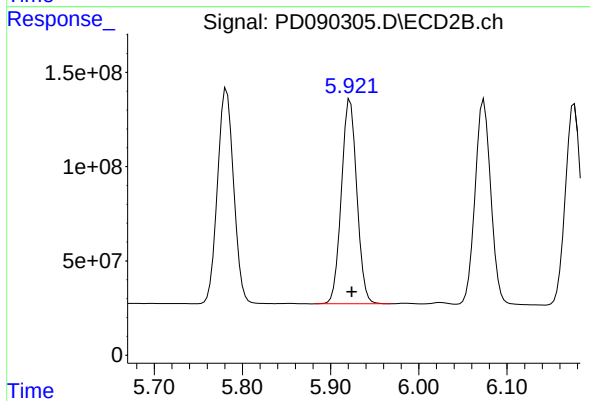
#15 Endosulfan II

R.T.: 6.074 min  
Delta R.T.: -0.001 min  
Response: 1347150649  
Conc: 53.26 ng/ml



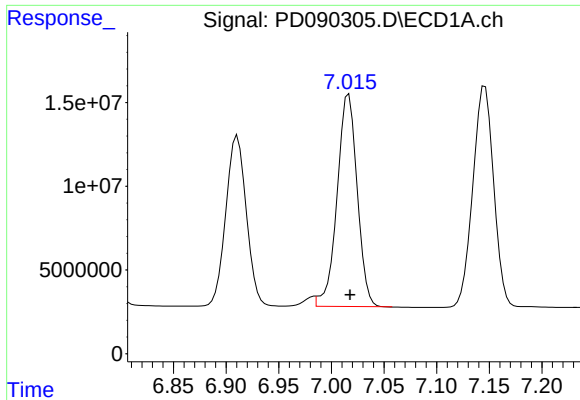
#16 4,4'-DDD

R.T.: 6.701 min  
Delta R.T.: 0.000 min  
Response: 166913513  
Conc: 48.25 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min  
Delta R.T.: -0.002 min  
Response: 1318638404  
Conc: 54.84 ng/ml



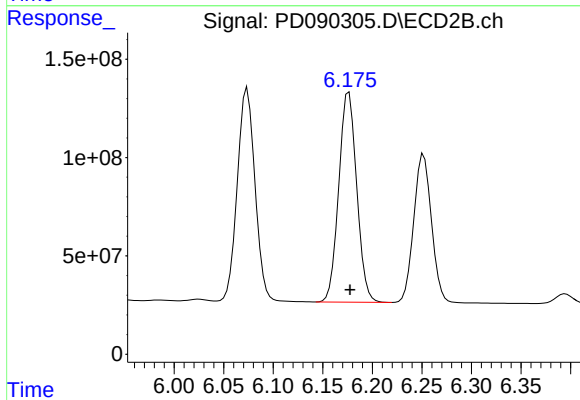
#17 4,4'-DDT

R.T.: 7.015 min  
Delta R.T.: -0.003 min  
Response: 168424396  
Conc: 44.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

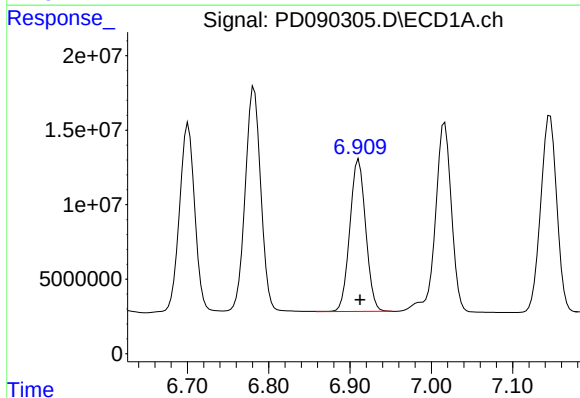
Manual Integrations  
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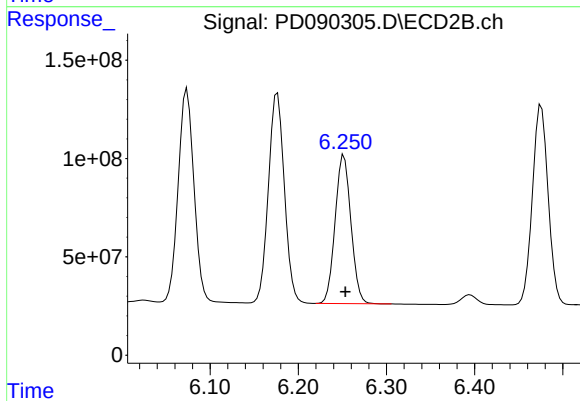
#17 4,4'-DDT

R.T.: 6.176 min  
Delta R.T.: -0.001 min  
Response: 1345260959  
Conc: 53.66 ng/ml



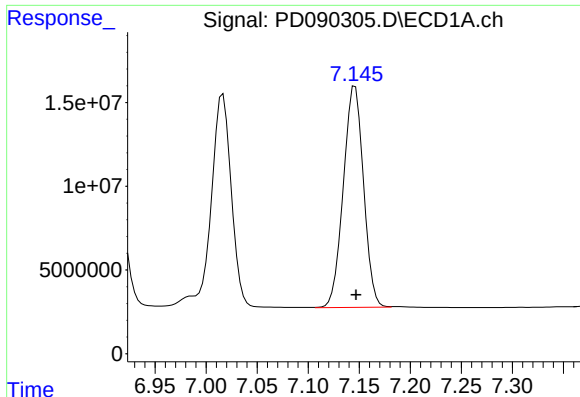
#18 Endrin aldehyde

R.T.: 6.911 min  
Delta R.T.: -0.001 min  
Response: 138114724  
Conc: 48.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min  
Delta R.T.: -0.001 min  
Response: 939186282  
Conc: 54.54 ng/ml



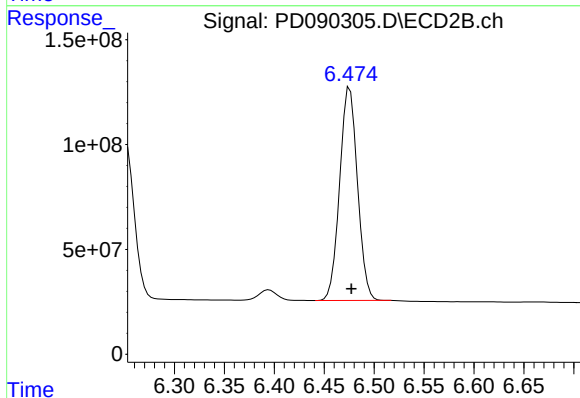
#19 Endosulfan Sulfate

R.T.: 7.145 min  
Delta R.T.: -0.002 min  
Response: 182087141  
Conc: 46.47 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

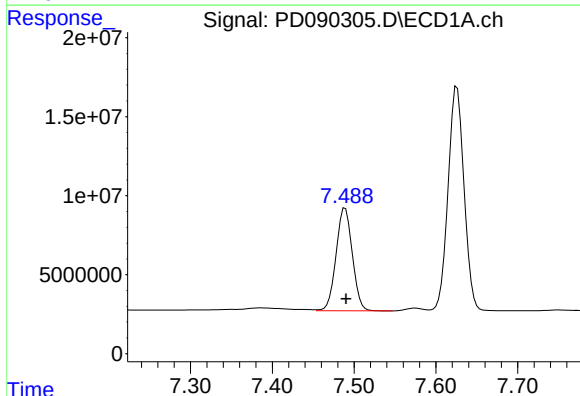
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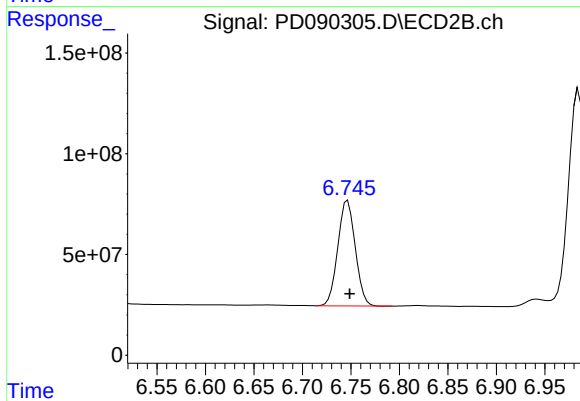
#19 Endosulfan Sulfate

R.T.: 6.476 min  
Delta R.T.: -0.001 min  
Response: 1262796851  
Conc: 51.80 ng/ml



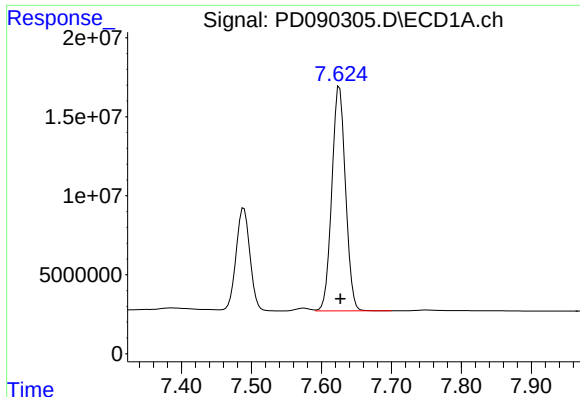
#20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: -0.001 min  
Response: 89497023  
Conc: 44.62 ng/ml



#20 Methoxychlor

R.T.: 6.747 min  
Delta R.T.: -0.002 min  
Response: 654303699  
Conc: 50.74 ng/ml



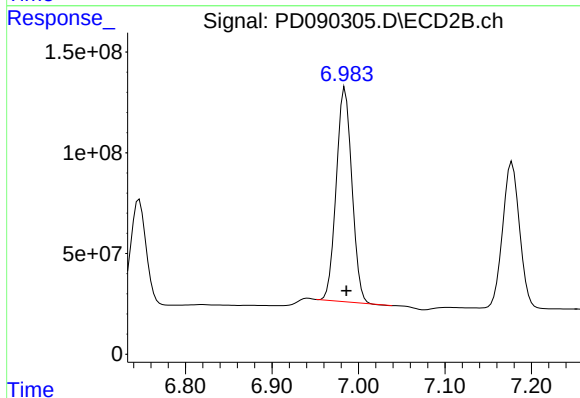
#21 Endrin ketone

R.T.: 7.626 min  
Delta R.T.: -0.001 min  
Response: 193135693  
Conc: 46.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

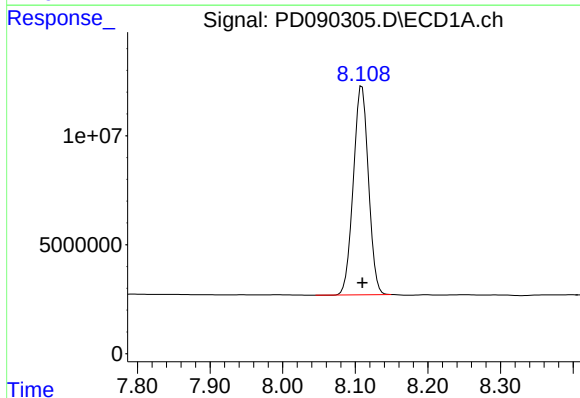
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/17/2025  
Supervised By :mohammad ahmed 09/18/2025



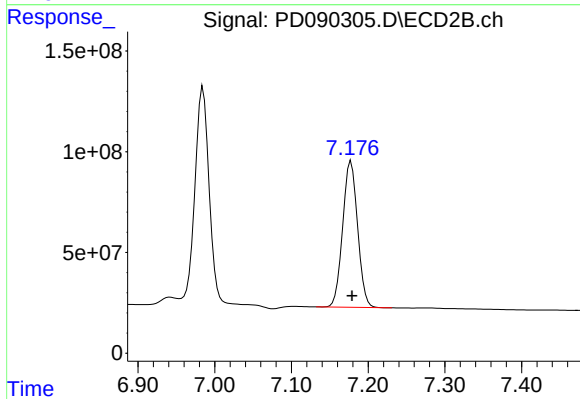
#21 Endrin ketone

R.T.: 6.985 min  
Delta R.T.: -0.002 min  
Response: 1323850877  
Conc: 49.69 ng/ml



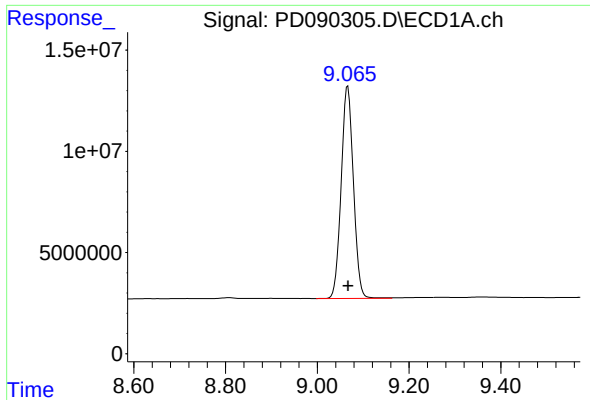
#22 Mirex

R.T.: 8.109 min  
Delta R.T.: 0.000 min  
Response: 138473804  
Conc: 43.90 ng/ml



#22 Mirex

R.T.: 7.178 min  
Delta R.T.: -0.002 min  
Response: 983115323  
Conc: 47.60 ng/ml



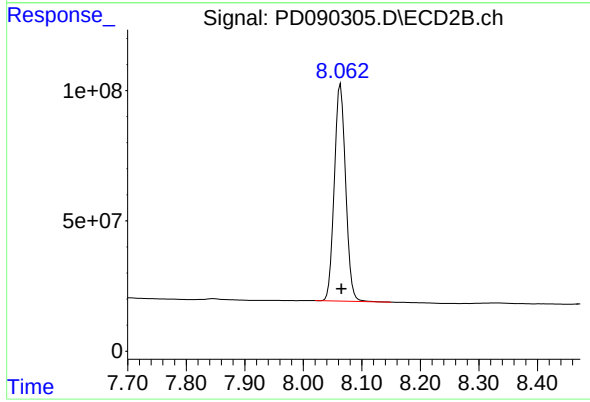
#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.000 min  
Response: 194437904  
Conc: 45.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/17/2025  
Supervised By :mohammad ahmed 09/18/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min  
Delta R.T.: -0.002 min  
Response: 1117005879  
Conc: 43.15 ng/ml