

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD050825\  
 Data File : PD088436.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 May 2025 17:27  
 Operator : AR\AJ  
 Sample : PB167914BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB167914BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/09/2025  
 Supervised By : mohammad ahmed 05/12/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 09 02:04:54 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD041825.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Apr 19 06:32:27 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... | 3.550 | 2.882 | 36391437 | 277.1E6  | 18.219  | 18.950 |
| 28)                         | SA Decachlor... | 9.074 | 8.075 | 69432767 | 380.5E6  | 20.989  | 20.589 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 4.000 | 3.395 | 199.9E6  | 1025.9E6 | 46.366  | 44.872 |
| 3)                          | MA gamma-BHC... | 4.331 | 3.731 | 192.7E6  | 961.5E6  | 46.018  | 44.640 |
| 4)                          | MA Heptachlor   | 4.930 | 4.085 | 190.9E6  | 964.3E6  | 47.261  | 45.066 |
| 5)                          | MB Aldrin       | 5.272 | 4.371 | 186.9E6  | 947.1E6  | 47.318  | 45.528 |
| 6)                          | B beta-BHC      | 4.515 | 4.027 | 74920978 | 433.3E6  | 46.151  | 46.820 |
| 7)                          | B delta-BHC     | 4.764 | 4.264 | 206.8E6  | 967.2E6  | 50.143  | 45.492 |
| 8)                          | B Heptachlo...  | 5.691 | 4.875 | 168.8E6  | 861.5E6  | 47.232  | 45.597 |
| 9)                          | A Endosulfan I  | 6.076 | 5.249 | 160.5E6  | 825.1E6  | 47.530  | 45.809 |
| 10)                         | B gamma-Chl...  | 5.946 | 5.128 | 170.7E6  | 930.9E6  | 47.134  | 45.869 |
| 11)                         | B alpha-Chl...  | 6.027 | 5.193 | 171.1E6  | 897.1E6  | 47.407  | 45.766 |
| 12)                         | B 4,4'-DDE      | 6.197 | 5.378 | 156.0E6  | 907.3E6  | 47.312  | 46.069 |
| 13)                         | MA Dieldrin     | 6.348 | 5.515 | 172.0E6  | 918.5E6  | 48.204  | 46.082 |
| 14)                         | MA Endrin       | 6.575 | 5.792 | 144.8E6  | 847.3E6  | 48.538  | 46.550 |
| 15)                         | B Endosulfa...  | 6.786 | 6.083 | 147.7E6  | 806.4E6  | 47.260  | 46.021 |
| 16)                         | A 4,4'-DDD      | 6.706 | 5.932 | 122.2E6  | 766.5E6  | 48.587  | 46.779 |
| 17)                         | MA 4,4'-DDT     | 7.021 | 6.187 | 132.6E6  | 799.5E6  | 47.745m | 46.984 |
| 18)                         | B Endrin al...  | 6.916 | 6.261 | 113.5E6  | 624.9E6  | 49.198  | 46.984 |
| 19)                         | B Endosulfa...  | 7.150 | 6.485 | 138.9E6  | 788.9E6  | 48.310  | 46.046 |
| 20)                         | A Methoxychlor  | 7.493 | 6.757 | 72906502 | 426.8E6  | 48.619  | 46.791 |
| 21)                         | B Endrin ke...  | 7.631 | 6.994 | 151.1E6  | 866.5E6  | 48.960  | 46.325 |
| 22)                         | Mirex           | 8.115 | 7.188 | 110.6E6  | 663.5E6  | 47.084  | 44.771 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD050825\  
Data File : PD088436.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 May 2025 17:27  
Operator : AR\AJ  
Sample : PB167914BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PB167914BS

## Manual Integrations

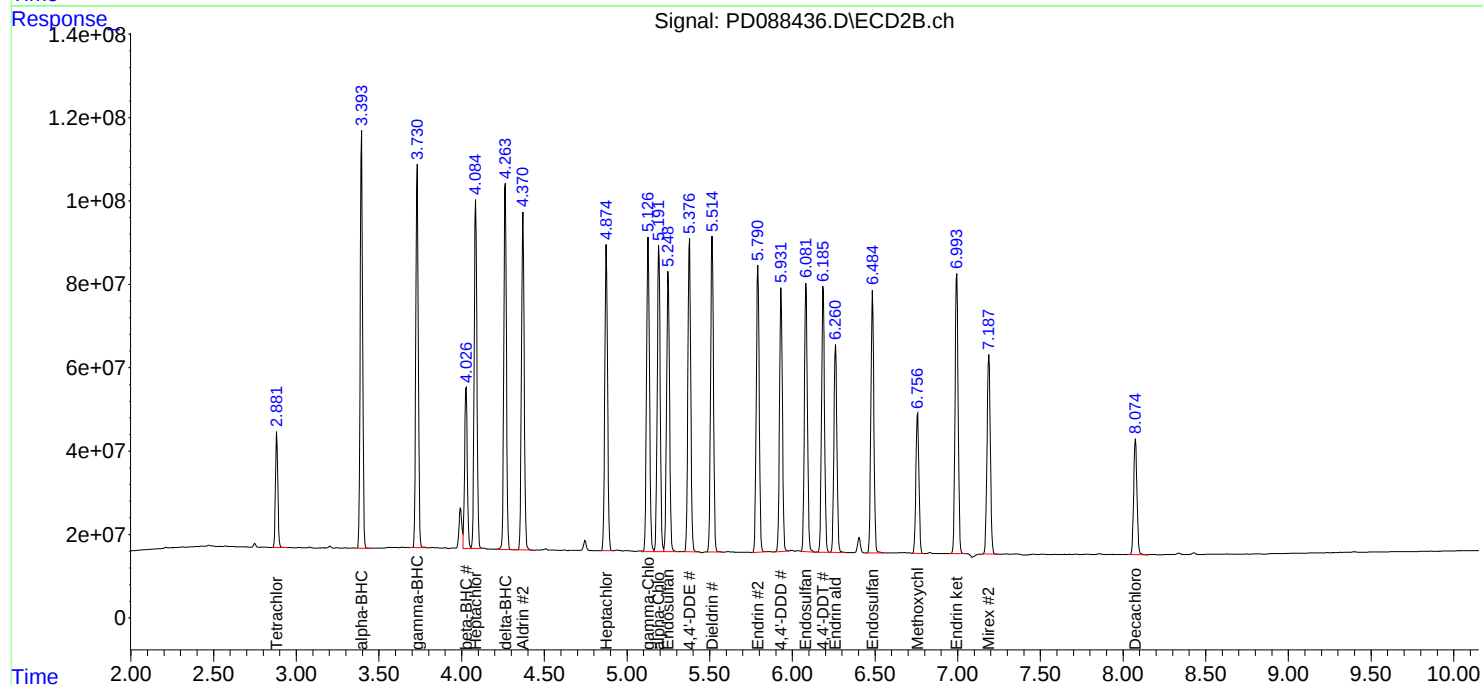
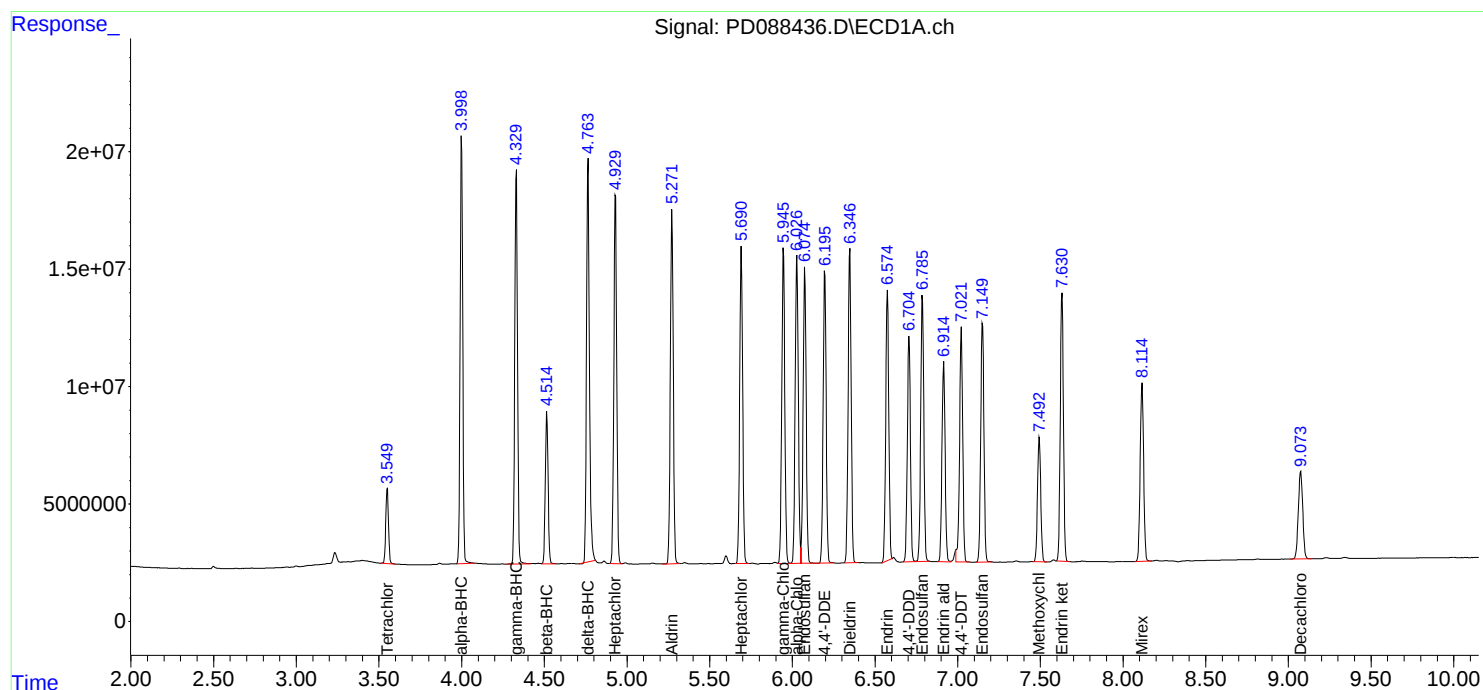
APPROVED

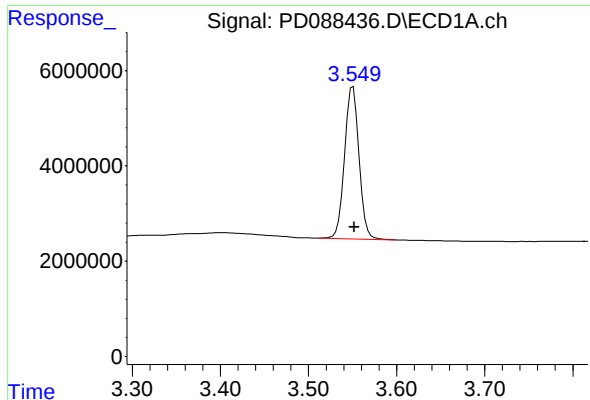
Reviewed By :Abdul Mirza 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 09 02:04:54 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD041825.M  
Quant Title : GC Extractables  
QLast Update : Sat Apr 19 06:32:27 2025  
Response via : Initial Calibration  
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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





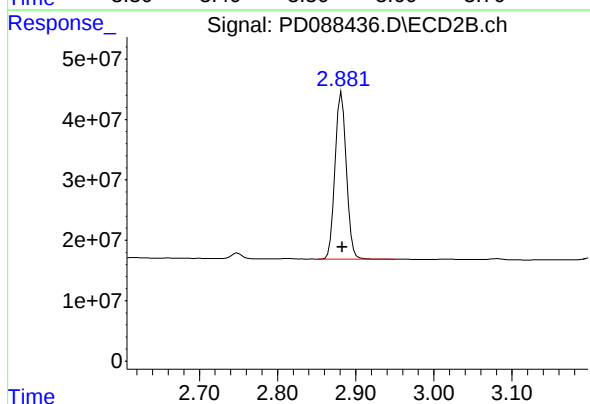
#1 Tetrachloro-m-xylene

R.T.: 3.550 min  
Delta R.T.: -0.002 min  
Response: 36391437  
Conc: 18.22 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

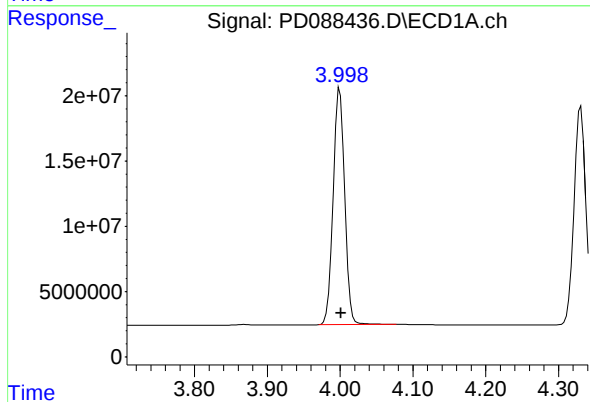
Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 05/12/2025



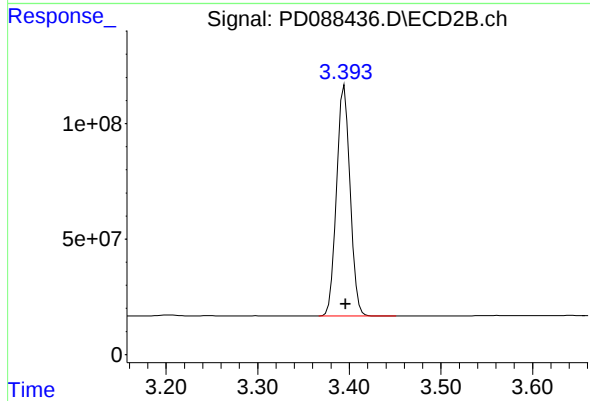
#1 Tetrachloro-m-xylene

R.T.: 2.882 min  
Delta R.T.: -0.001 min  
Response: 277073360  
Conc: 18.95 ng/ml



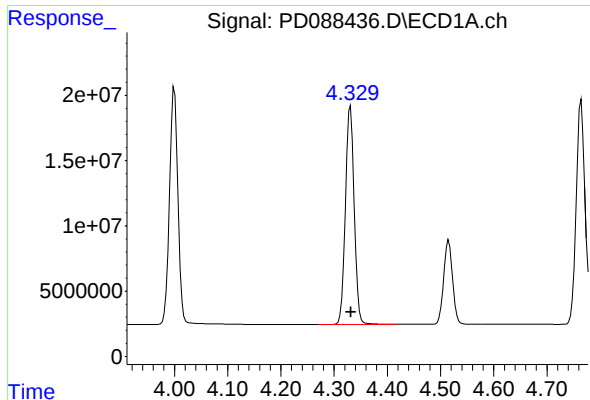
#2 alpha-BHC

R.T.: 4.000 min  
Delta R.T.: -0.001 min  
Response: 199929654  
Conc: 46.37 ng/ml



#2 alpha-BHC

R.T.: 3.395 min  
Delta R.T.: -0.002 min  
Response: 1025850476  
Conc: 44.87 ng/ml



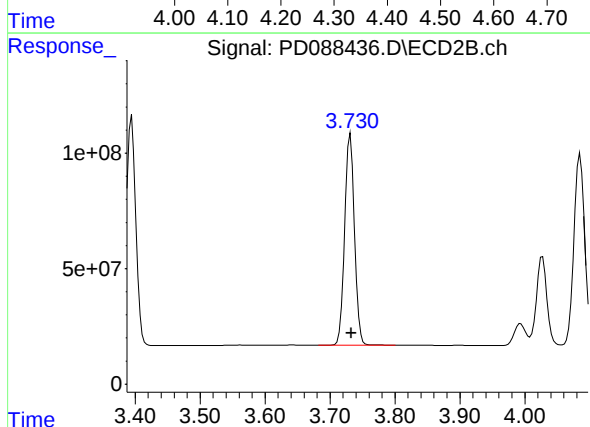
#3 gamma-BHC (Lindane)

R.T.: 4.331 min  
Delta R.T.: -0.001 min  
Response: 192701070  
Conc: 46.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

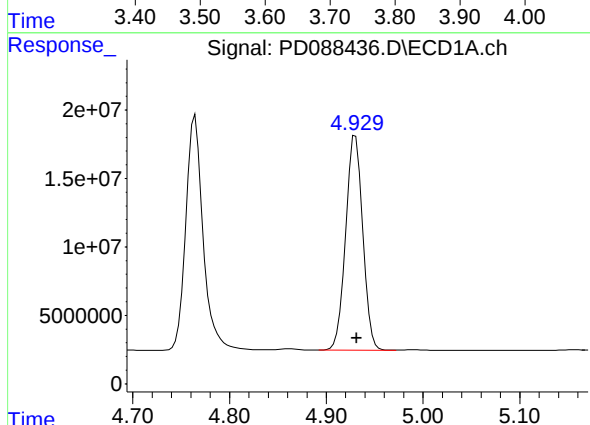
Manual Integrations  
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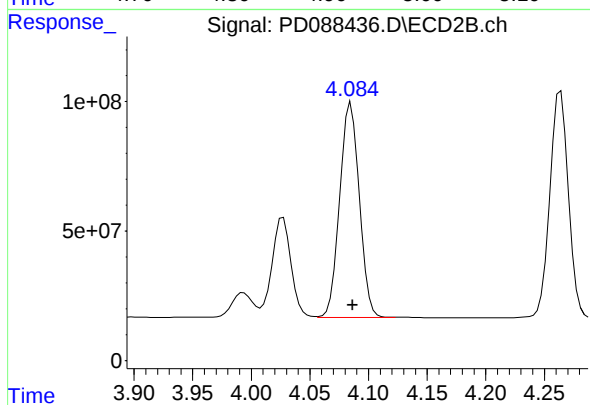
#3 gamma-BHC (Lindane)

R.T.: 3.731 min  
Delta R.T.: -0.002 min  
Response: 961494946  
Conc: 44.64 ng/ml



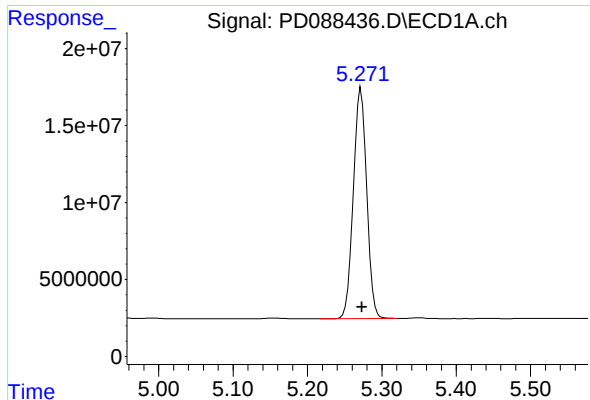
#4 Heptachlor

R.T.: 4.930 min  
Delta R.T.: -0.001 min  
Response: 190883274  
Conc: 47.26 ng/ml



#4 Heptachlor

R.T.: 4.085 min  
Delta R.T.: -0.001 min  
Response: 964337971  
Conc: 45.07 ng/ml



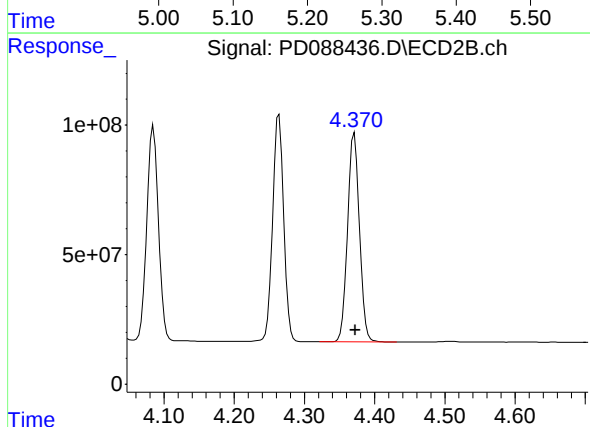
#5 Aldrin

R.T.: 5.272 min  
Delta R.T.: -0.001 min  
Response: 186884909  
Conc: 47.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

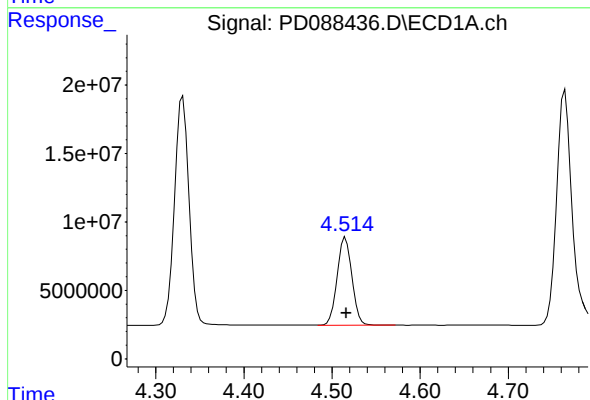
Manual Integrations  
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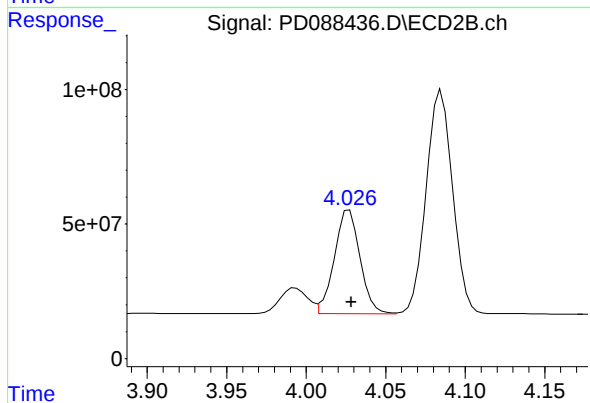
#5 Aldrin

R.T.: 4.371 min  
Delta R.T.: -0.002 min  
Response: 947102007  
Conc: 45.53 ng/ml



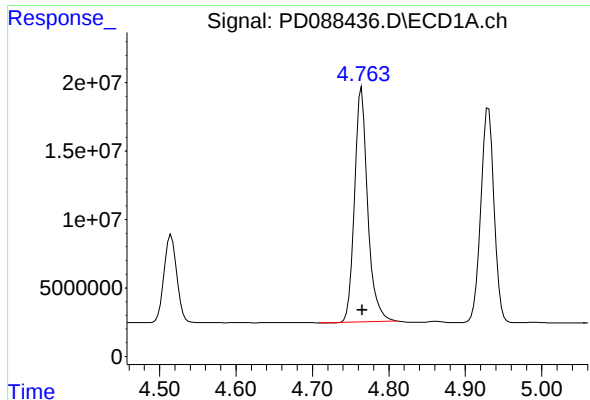
#6 beta-BHC

R.T.: 4.515 min  
Delta R.T.: 0.000 min  
Response: 74920978  
Conc: 46.15 ng/ml



#6 beta-BHC

R.T.: 4.027 min  
Delta R.T.: -0.001 min  
Response: 433281187  
Conc: 46.82 ng/ml



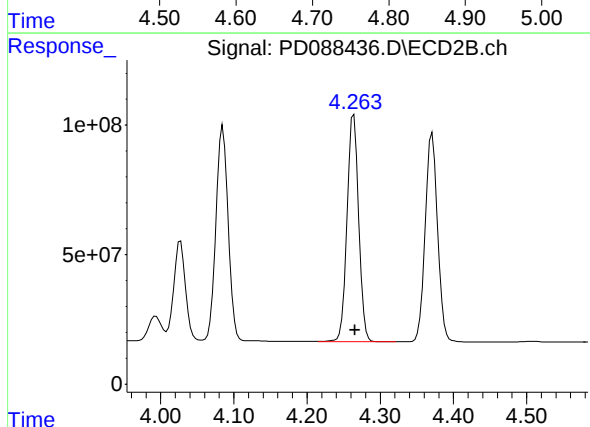
#7 delta-BHC

R.T.: 4.764 min  
Delta R.T.: 0.000 min  
Response: 206837026  
Conc: 50.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

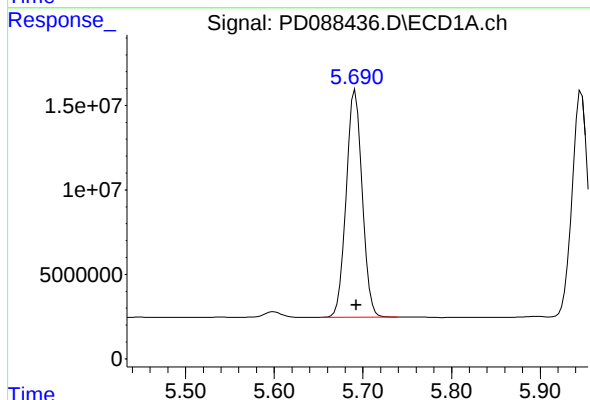
Manual Integrations  
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Supervised By :mohammad ahmed 05/12/2025



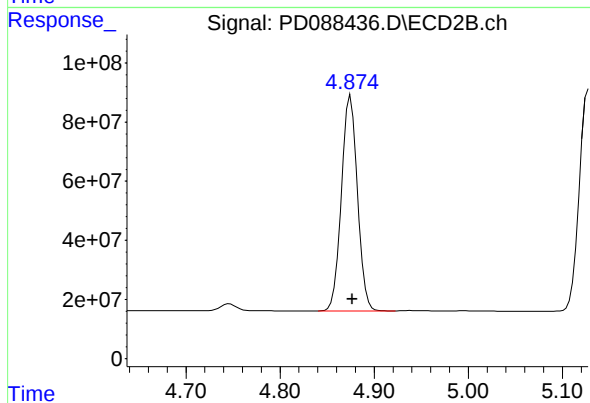
#7 delta-BHC

R.T.: 4.264 min  
Delta R.T.: -0.001 min  
Response: 967228558  
Conc: 45.49 ng/ml



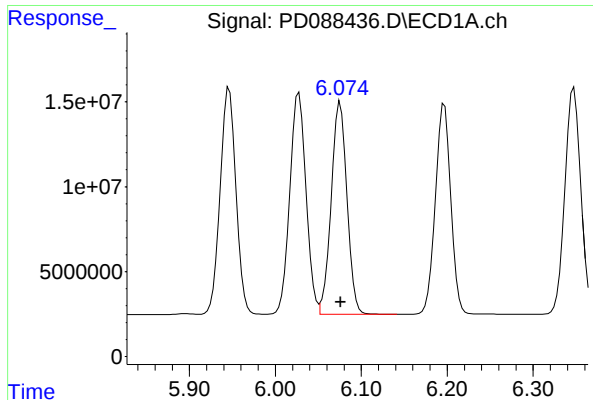
#8 Heptachlor epoxide

R.T.: 5.691 min  
Delta R.T.: -0.001 min  
Response: 168805781  
Conc: 47.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min  
Delta R.T.: -0.002 min  
Response: 861520808  
Conc: 45.60 ng/ml



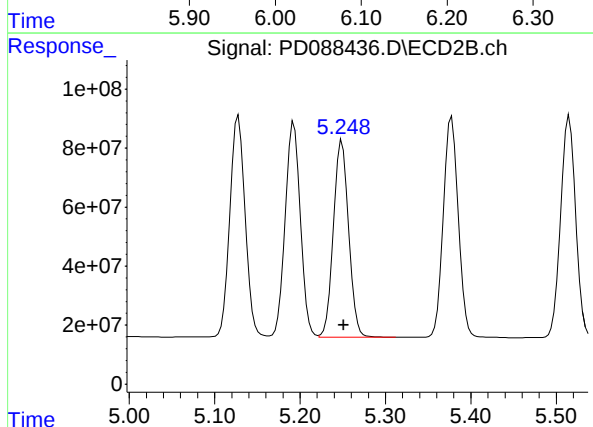
#9 Endosulfan I

R.T.: 6.076 min  
Delta R.T.: 0.000 min  
Response: 160516358  
Conc: 47.53 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

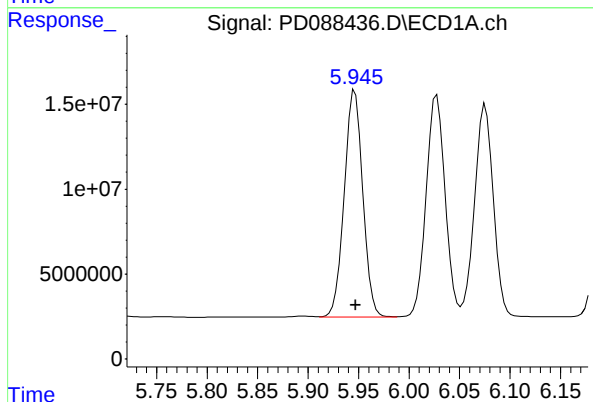
Manual Integrations  
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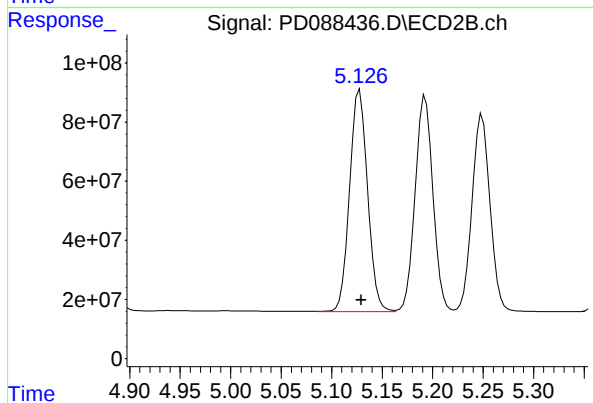
#9 Endosulfan I

R.T.: 5.249 min  
Delta R.T.: -0.002 min  
Response: 825139093  
Conc: 45.81 ng/ml



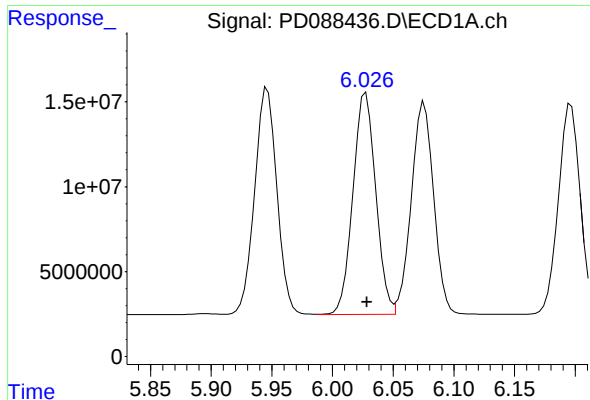
#10 gamma-Chlordane

R.T.: 5.946 min  
Delta R.T.: 0.000 min  
Response: 170723637  
Conc: 47.13 ng/ml



#10 gamma-Chlordane

R.T.: 5.128 min  
Delta R.T.: -0.002 min  
Response: 930948237  
Conc: 45.87 ng/ml



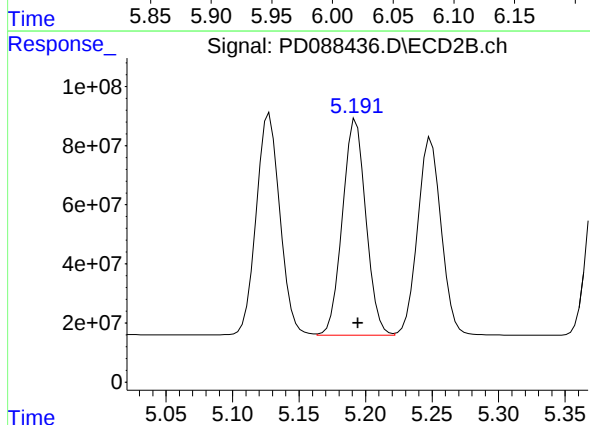
#11 alpha-Chlordane

R.T.: 6.027 min  
Delta R.T.: -0.001 min  
Response: 171117689  
Conc: 47.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

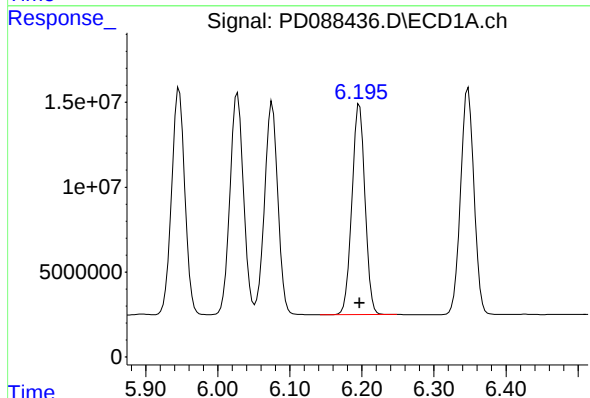
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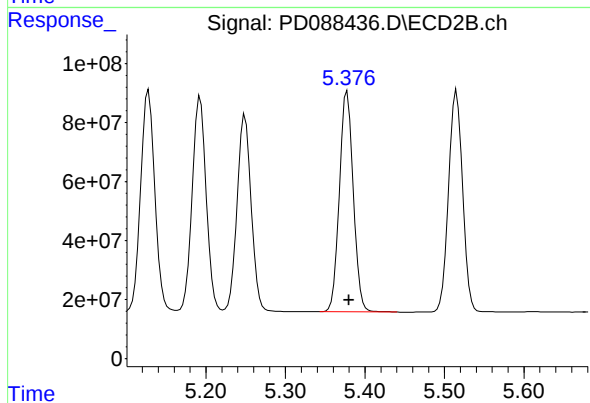
#11 alpha-Chlordane

R.T.: 5.193 min  
Delta R.T.: -0.002 min  
Response: 897144374  
Conc: 45.77 ng/ml



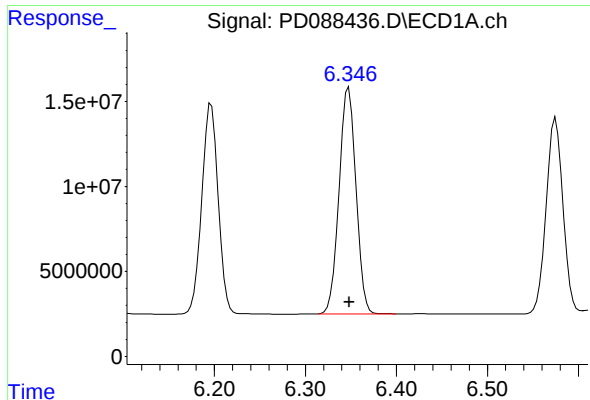
#12 4,4'-DDE

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 156047720  
Conc: 47.31 ng/ml



#12 4,4'-DDE

R.T.: 5.378 min  
Delta R.T.: -0.002 min  
Response: 907289366  
Conc: 46.07 ng/ml



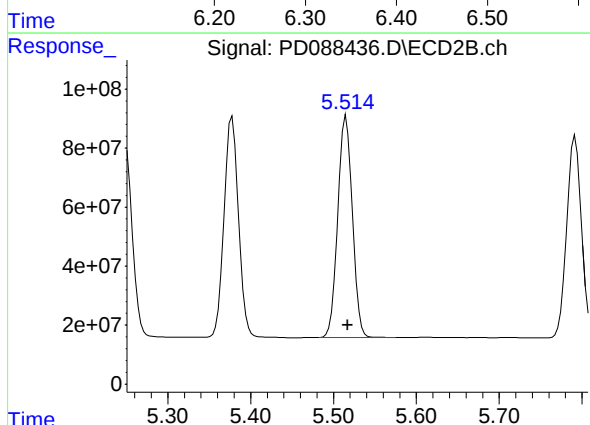
#13 Dieldrin

R.T.: 6.348 min  
Delta R.T.: -0.001 min  
Response: 172015333  
Conc: 48.20 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

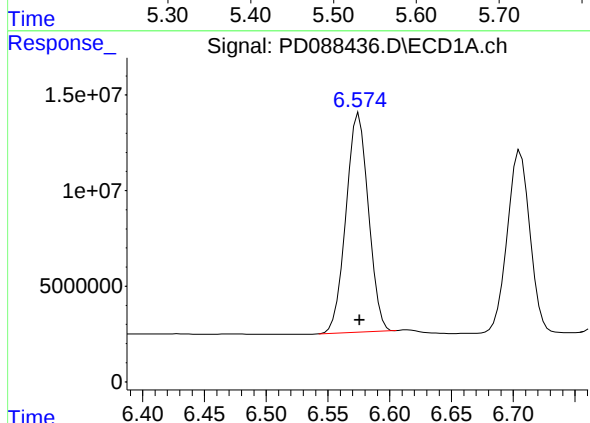
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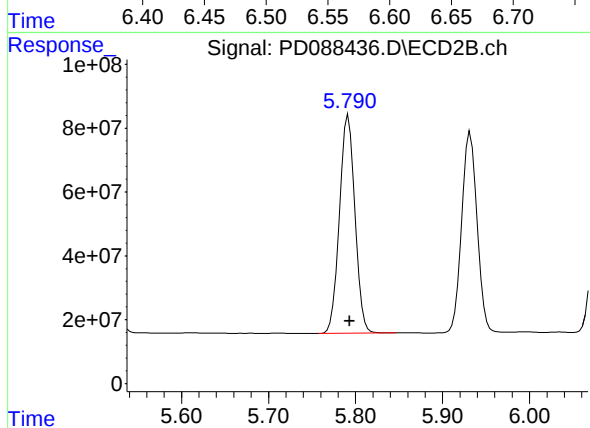
#13 Dieldrin

R.T.: 5.515 min  
Delta R.T.: -0.002 min  
Response: 918541103  
Conc: 46.08 ng/ml



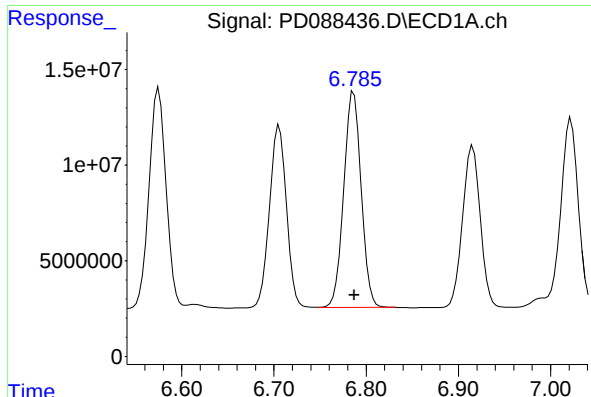
#14 Endrin

R.T.: 6.575 min  
Delta R.T.: 0.000 min  
Response: 144766756  
Conc: 48.54 ng/ml



#14 Endrin

R.T.: 5.792 min  
Delta R.T.: -0.001 min  
Response: 847322800  
Conc: 46.55 ng/ml



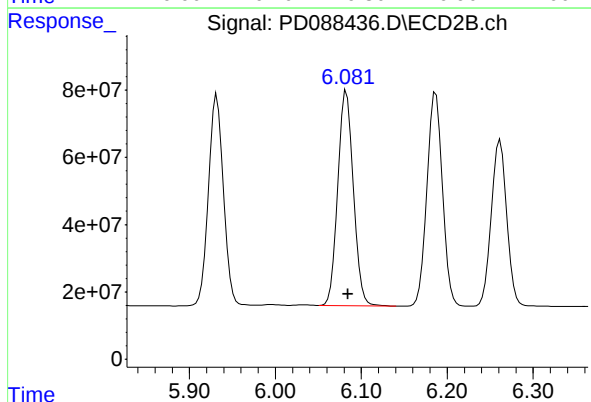
#15 Endosulfan II

R.T.: 6.786 min  
Delta R.T.: 0.000 min  
Response: 147744384  
Conc: 47.26 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

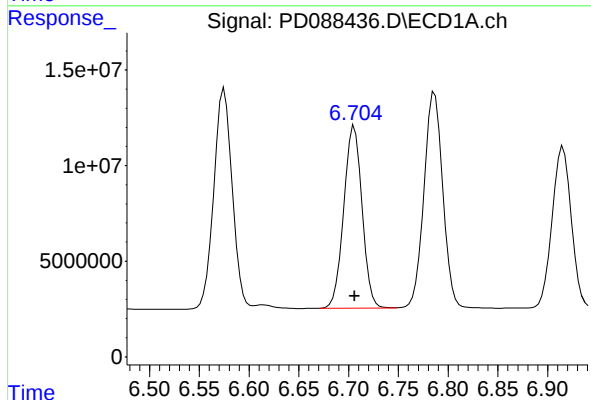
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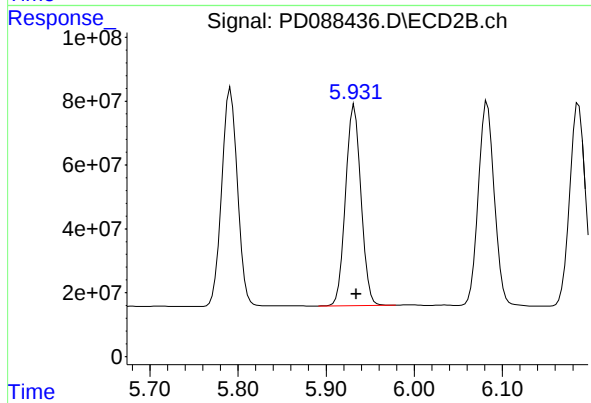
#15 Endosulfan II

R.T.: 6.083 min  
Delta R.T.: -0.002 min  
Response: 806366033  
Conc: 46.02 ng/ml



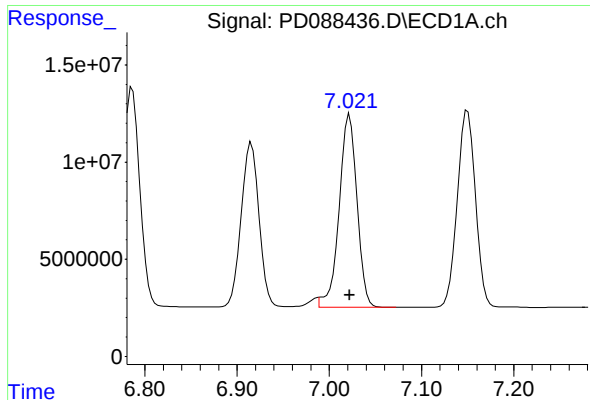
#16 4,4'-DDD

R.T.: 6.706 min  
Delta R.T.: 0.000 min  
Response: 122194735  
Conc: 48.59 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min  
Delta R.T.: -0.002 min  
Response: 766536514  
Conc: 46.78 ng/ml



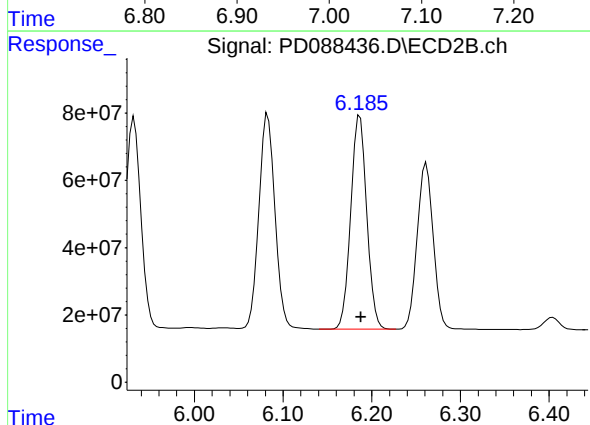
#17 4,4'-DDT

R.T.: 7.021 min  
Delta R.T.: -0.001 min  
Response: 132612603  
Conc: 47.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

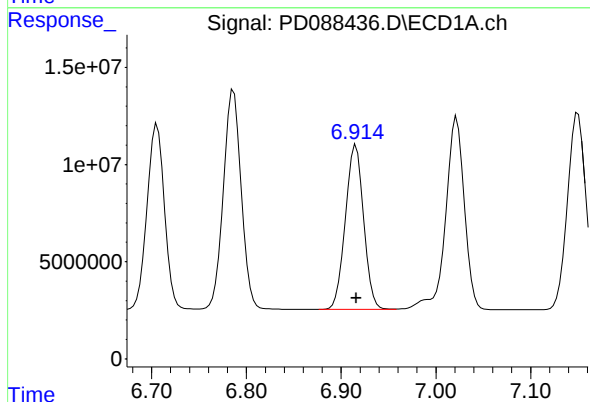
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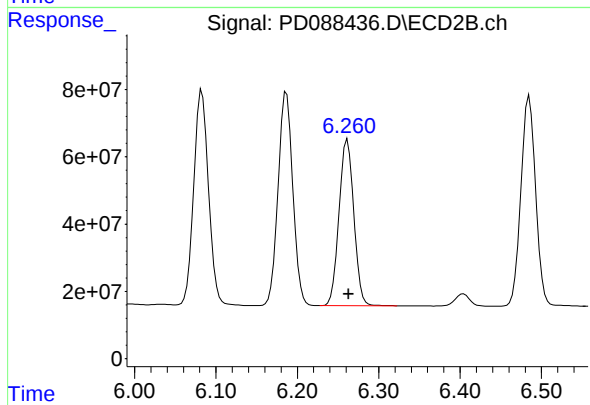
#17 4,4'-DDT

R.T.: 6.187 min  
Delta R.T.: -0.001 min  
Response: 799502847  
Conc: 46.98 ng/ml



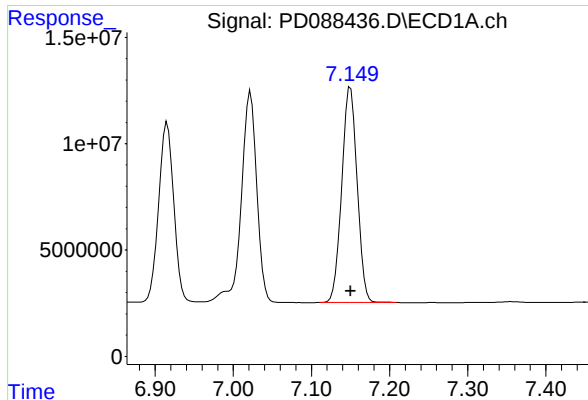
#18 Endrin aldehyde

R.T.: 6.916 min  
Delta R.T.: 0.000 min  
Response: 113549303  
Conc: 49.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.261 min  
Delta R.T.: -0.001 min  
Response: 624938451  
Conc: 46.98 ng/ml



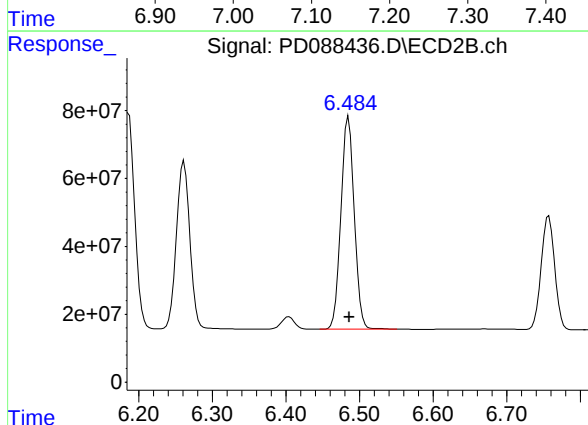
#19 Endosulfan Sulfate

R.T.: 7.150 min  
Delta R.T.: 0.000 min  
Response: 138932199  
Conc: 48.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

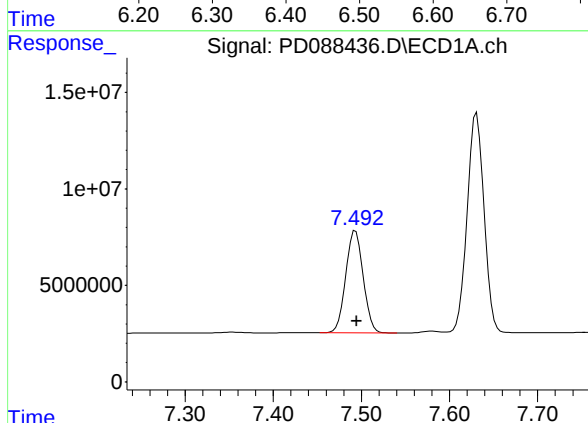
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/09/2025  
Supervised By :mohammad ahmed 05/12/2025



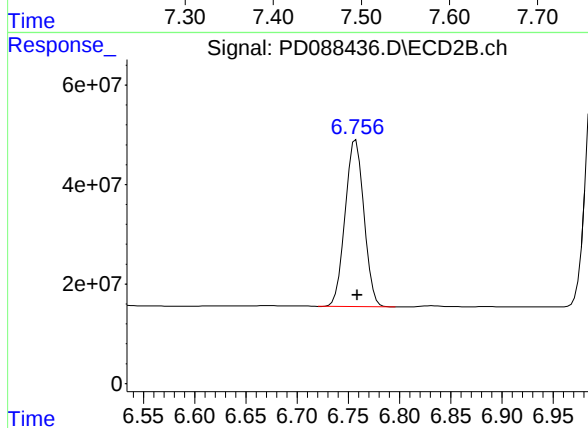
#19 Endosulfan Sulfate

R.T.: 6.485 min  
Delta R.T.: -0.001 min  
Response: 788924867  
Conc: 46.05 ng/ml



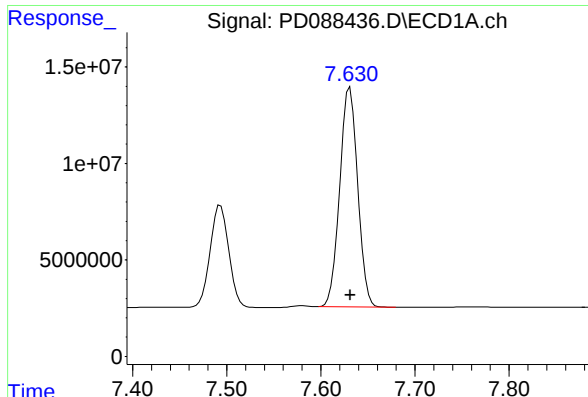
#20 Methoxychlor

R.T.: 7.493 min  
Delta R.T.: -0.001 min  
Response: 72906502  
Conc: 48.62 ng/ml



#20 Methoxychlor

R.T.: 6.757 min  
Delta R.T.: -0.001 min  
Response: 426782304  
Conc: 46.79 ng/ml



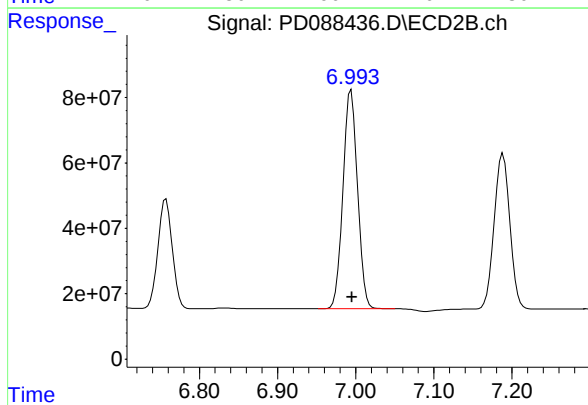
#21 Endrin ketone

R.T.: 7.631 min  
Delta R.T.: 0.000 min  
Response: 15112000  
Conc: 48.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

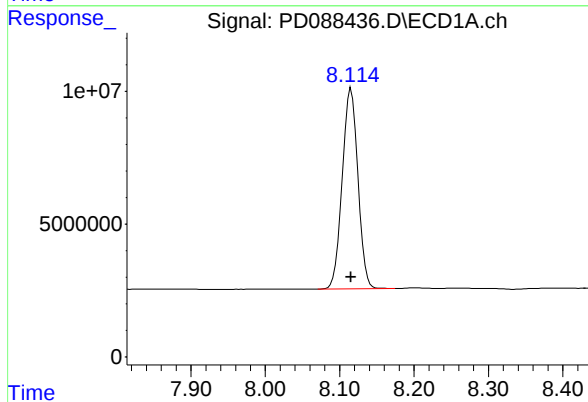
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/09/2025  
Supervised By :mohammad ahmed 05/12/2025



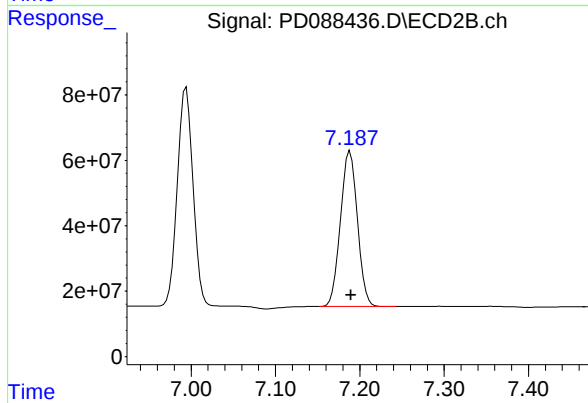
#21 Endrin ketone

R.T.: 6.994 min  
Delta R.T.: 0.000 min  
Response: 866463881  
Conc: 46.32 ng/ml



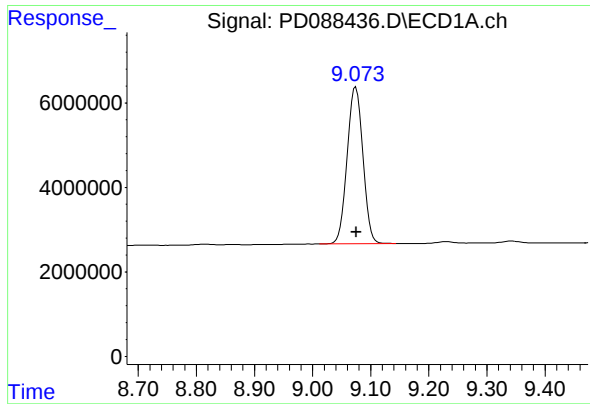
#22 Mirex

R.T.: 8.115 min  
Delta R.T.: 0.000 min  
Response: 110567393  
Conc: 47.08 ng/ml



#22 Mirex

R.T.: 7.188 min  
Delta R.T.: -0.001 min  
Response: 663545769  
Conc: 44.77 ng/ml



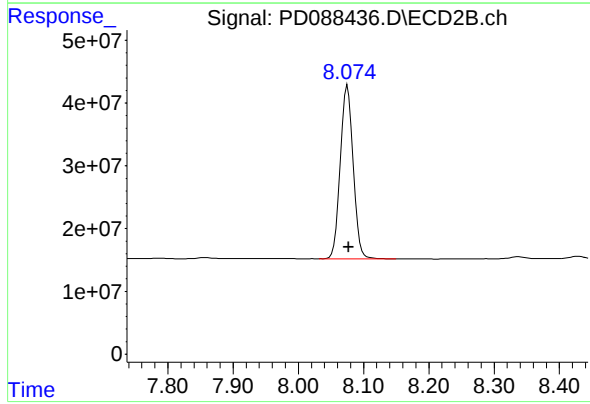
#28 Decachlorobiphenyl

R.T.: 9.074 min  
Delta R.T.: 0.000 min  
Response: 69432767  
Conc: 20.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB167914BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/09/2025  
Supervised By :mohammad ahmed 05/12/2025



#28 Decachlorobiphenyl

R.T.: 8.075 min  
Delta R.T.: -0.002 min  
Response: 380478337  
Conc: 20.59 ng/ml