

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102025\  
 Data File : PD090694.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Oct 2025 14:12  
 Operator : AR\AJ  
 Sample : PB170163BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PB170163BS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025  
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 20 23:49:43 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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... | 3.549 | 2.873 | 51420966 | 500.1E6  | 16.512  | 16.796 |
| 28)                         | SA Decachlor... | 9.073 | 8.064 | 96646381 | 609.7E6  | 20.660  | 20.128 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.999 | 3.386 | 378.9E6  | 2525.7E6 | 52.792  | 49.431 |
| 3)                          | MA gamma-BHC... | 4.330 | 3.722 | 355.9E6  | 2361.9E6 | 52.351  | 49.988 |
| 4)                          | MA Heptachlor   | 4.927 | 4.075 | 341.1E6  | 2255.6E6 | 61.021m | 50.570 |
| 5)                          | MB Aldrin       | 5.270 | 4.360 | 342.5E6  | 2326.7E6 | 52.312  | 50.232 |
| 6)                          | B beta-BHC      | 4.518 | 4.019 | 133.1E6  | 984.8E6  | 50.800  | 49.662 |
| 7)                          | B delta-BHC     | 4.766 | 4.255 | 353.1E6  | 2395.8E6 | 52.219  | 50.208 |
| 8)                          | B Heptachlo...  | 5.689 | 4.864 | 306.3E6  | 2129.5E6 | 52.919m | 49.941 |
| 9)                          | A Endosulfan I  | 6.074 | 5.239 | 288.3E6  | 1950.6E6 | 52.073  | 49.520 |
| 10)                         | B gamma-Chl...  | 5.946 | 5.117 | 310.6E6  | 2282.0E6 | 52.373  | 50.770 |
| 11)                         | B alpha-Chl...  | 6.026 | 5.182 | 310.7E6  | 2181.3E6 | 50.269  | 50.566 |
| 12)                         | B 4,4'-DDE      | 6.196 | 5.367 | 288.9E6  | 2226.8E6 | 54.242  | 50.795 |
| 13)                         | MA Dieldrin     | 6.347 | 5.504 | 307.6E6  | 2262.7E6 | 52.744  | 51.211 |
| 14)                         | MA Endrin       | 6.575 | 5.782 | 266.3E6  | 2056.6E6 | 53.767  | 50.789 |
| 15)                         | B Endosulfa...  | 6.787 | 6.073 | 263.2E6  | 1931.1E6 | 52.648  | 51.421 |
| 16)                         | A 4,4'-DDD      | 6.706 | 5.922 | 218.8E6  | 1846.8E6 | 53.980  | 50.684 |
| 17)                         | MA 4,4'-DDT     | 7.022 | 6.175 | 235.0E6  | 1972.9E6 | 57.167  | 56.252 |
| 18)                         | B Endrin al...  | 6.916 | 6.252 | 196.6E6  | 1452.8E6 | 53.689  | 52.462 |
| 19)                         | B Endosulfa...  | 7.151 | 6.475 | 238.7E6  | 1847.3E6 | 51.475  | 51.537 |
| 20)                         | A Methoxychlor  | 7.495 | 6.746 | 114.6E6  | 939.2E6  | 53.913  | 53.892 |
| 21)                         | B Endrin ke...  | 7.631 | 6.984 | 251.8E6  | 1924.2E6 | 51.832  | 51.015 |
| 22)                         | Mirex           | 8.114 | 7.177 | 165.8E6  | 1347.8E6 | 51.812  | 52.464 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102025\  
Data File : PD090694.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Oct 2025 14:12  
Operator : AR\AJ  
Sample : PB170163BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_D

ClientSampleId :

PB170163BS

## Manual Integrations

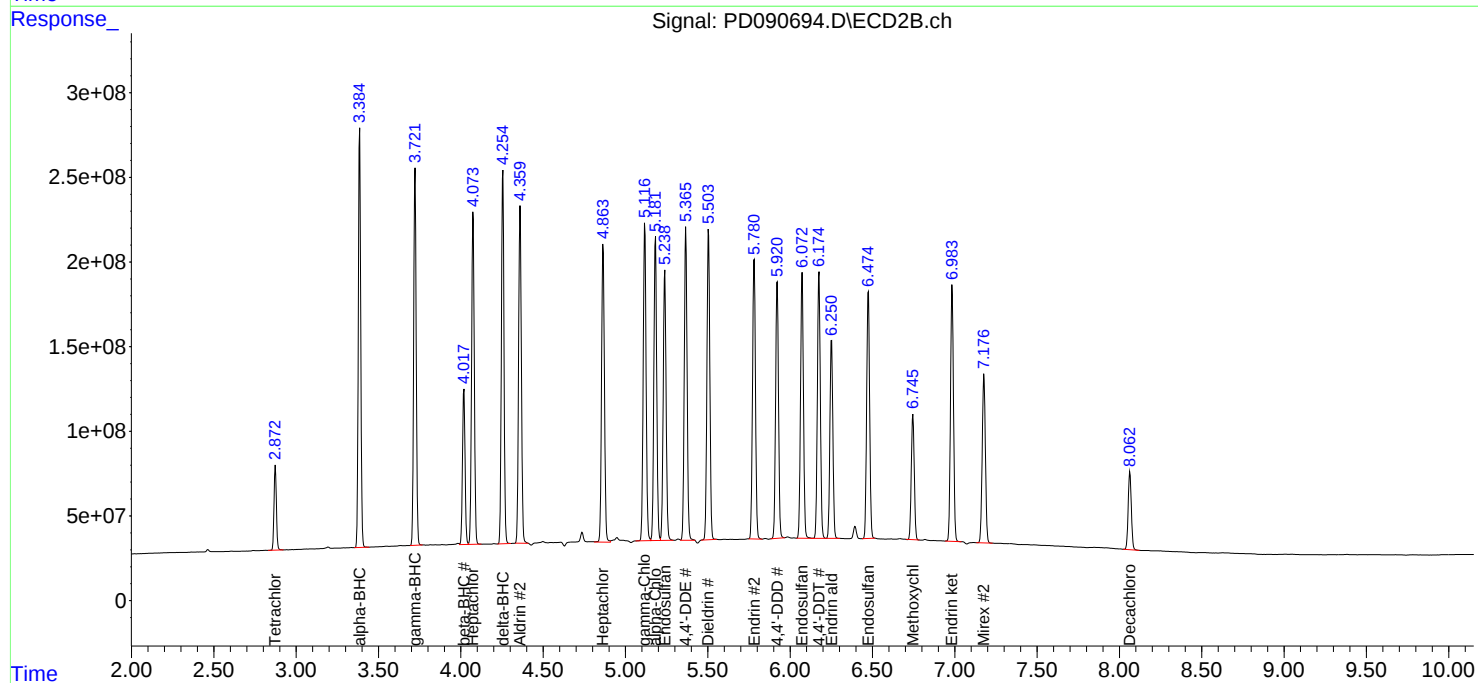
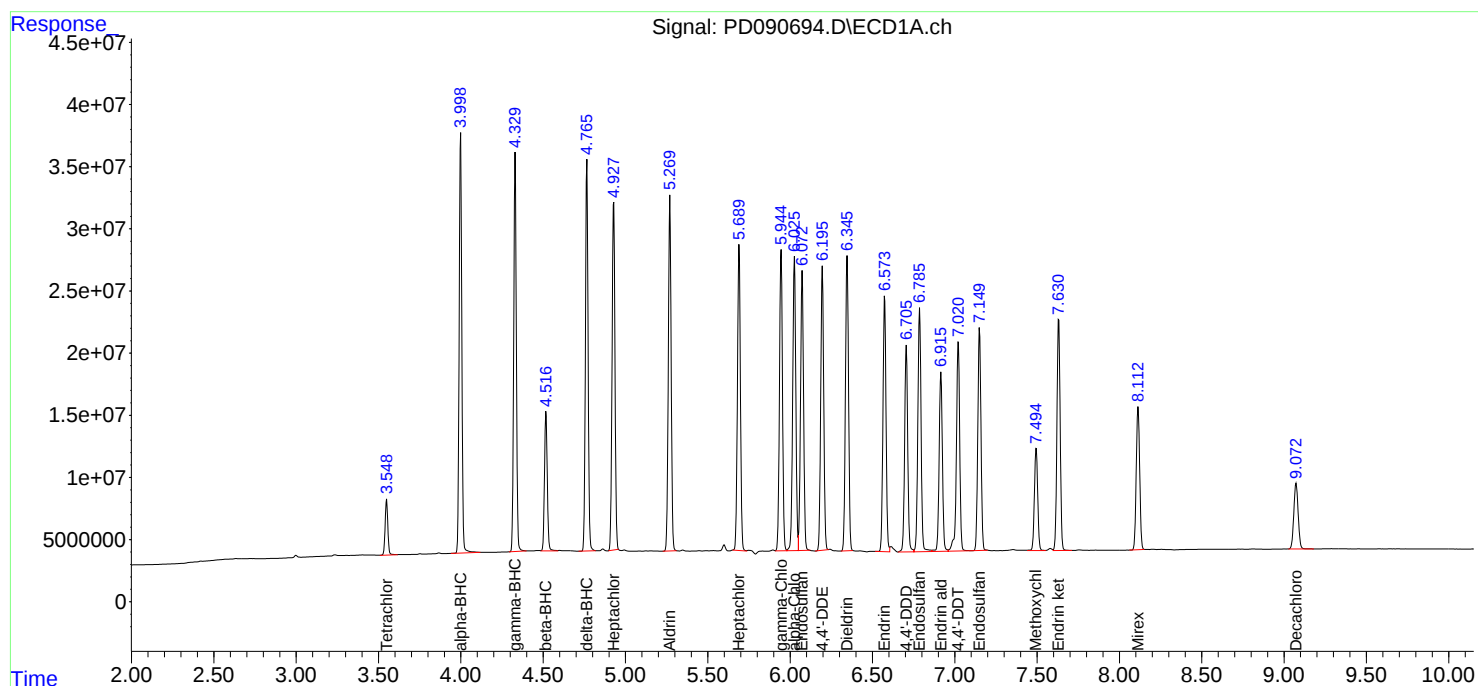
APPROVED

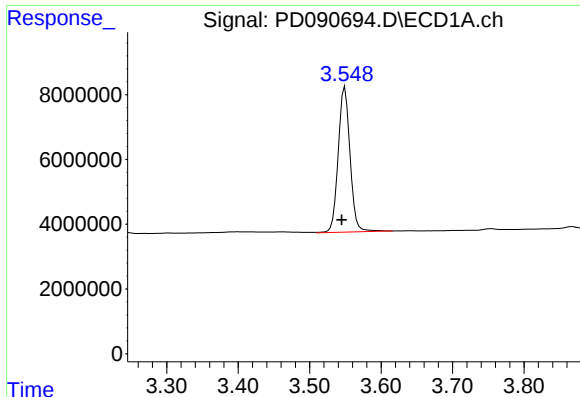
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Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 20 23:49:43 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : Fri Oct 17 17:43:28 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





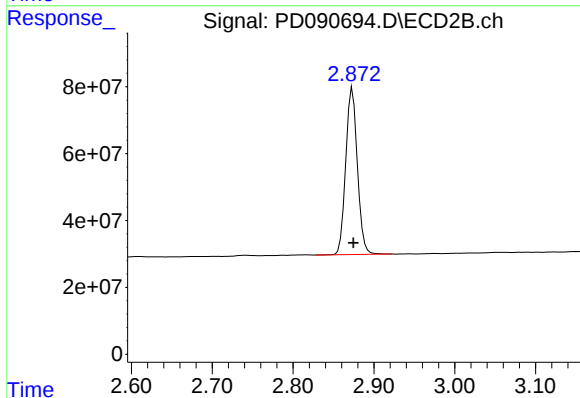
#1 Tetrachloro-m-xylene

R.T.: 3.549 min  
Delta R.T.: 0.004 min  
Response: 51420966  
Conc: 16.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

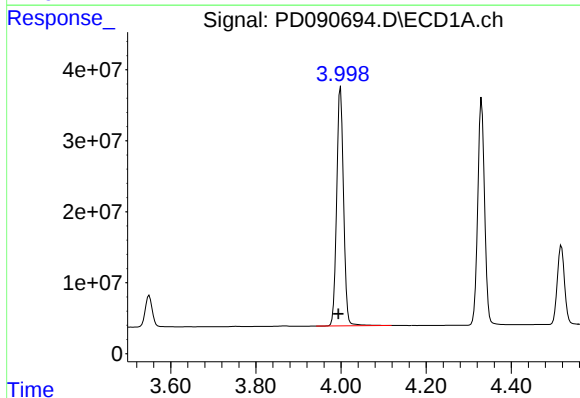
Manual Integrations  
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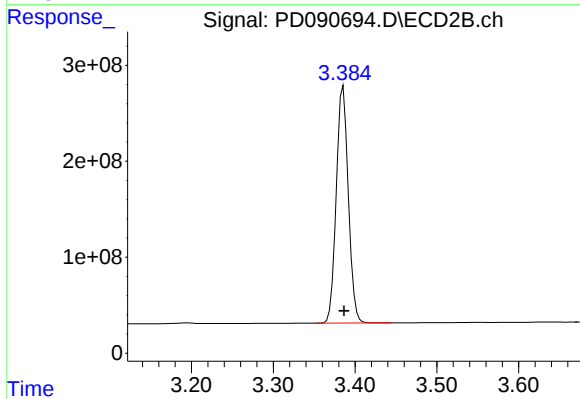
#1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 500134584  
Conc: 16.80 ng/ml



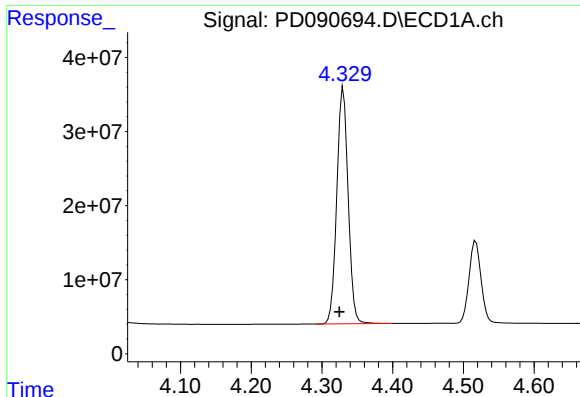
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.005 min  
Response: 378892854  
Conc: 52.79 ng/ml



#2 alpha-BHC

R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 2525697185  
Conc: 49.43 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: 0.005 min  
Response: 355925698  
Conc: 52.35 ng/ml

Instrument :

ECD\_D

ClientSampleId :

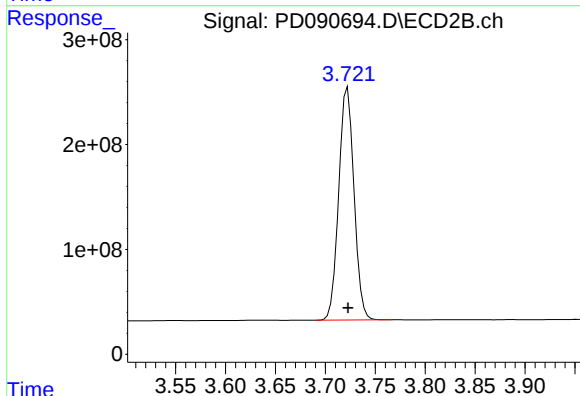
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Manual Integrations

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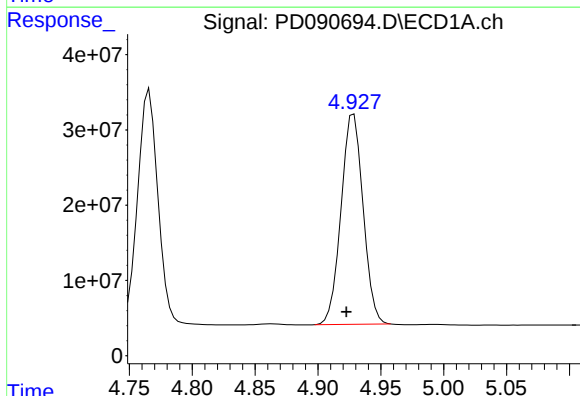
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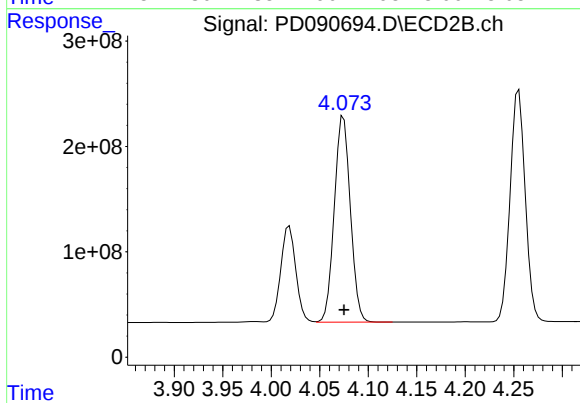
#3 gamma-BHC (Lindane)

R.T.: 3.722 min  
Delta R.T.: 0.000 min  
Response: 2361895917  
Conc: 49.99 ng/ml



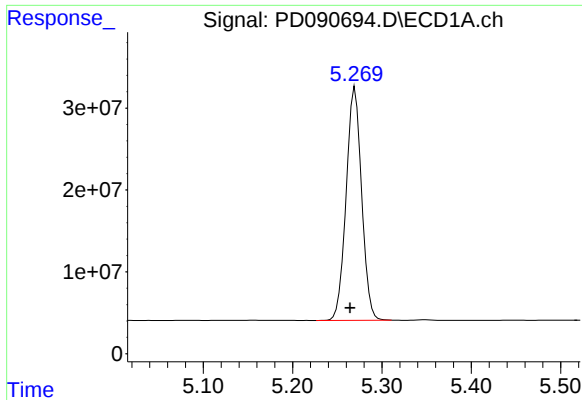
#4 Heptachlor

R.T.: 4.927 min  
Delta R.T.: 0.004 min  
Response: 341078597  
Conc: 61.02 ng/ml m



#4 Heptachlor

R.T.: 4.075 min  
Delta R.T.: 0.000 min  
Response: 2255581983  
Conc: 50.57 ng/ml



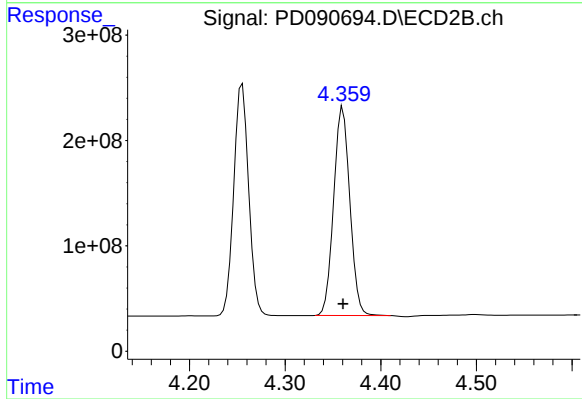
#5 Aldrin

R.T.: 5.270 min  
Delta R.T.: 0.006 min  
Response: 342503237  
Conc: 52.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

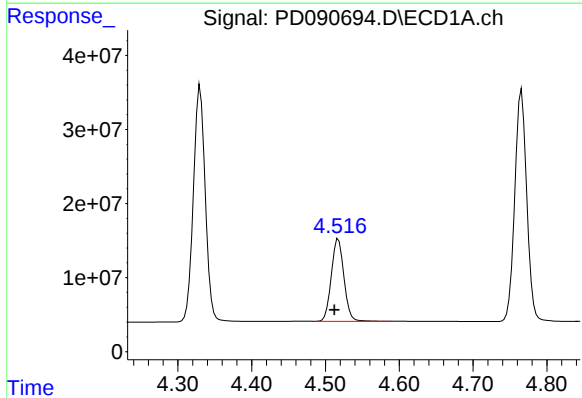
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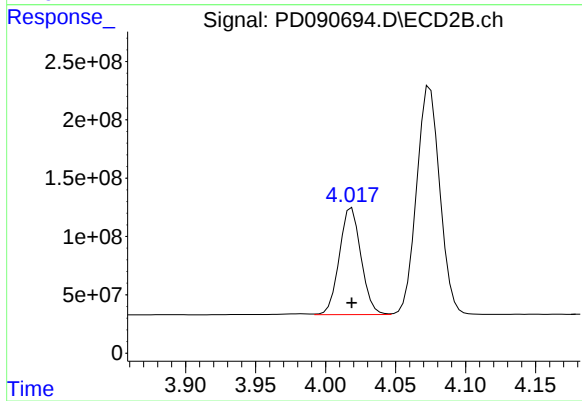
#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 2326683278  
Conc: 50.23 ng/ml



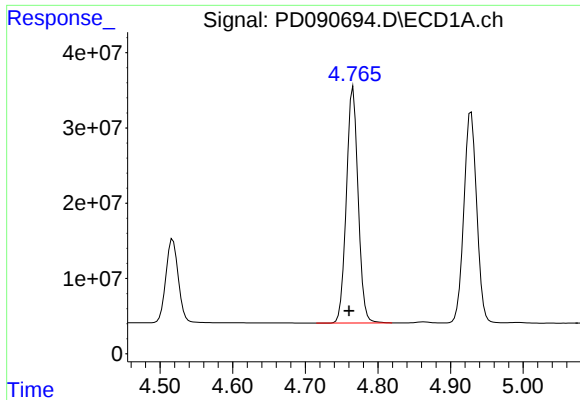
#6 beta-BHC

R.T.: 4.518 min  
Delta R.T.: 0.006 min  
Response: 133076458  
Conc: 50.80 ng/ml



#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 984779361  
Conc: 49.66 ng/ml



#7 delta-BHC

R.T.: 4.766 min  
Delta R.T.: 0.006 min  
Response: 353090086  
Conc: 52.22 ng/ml

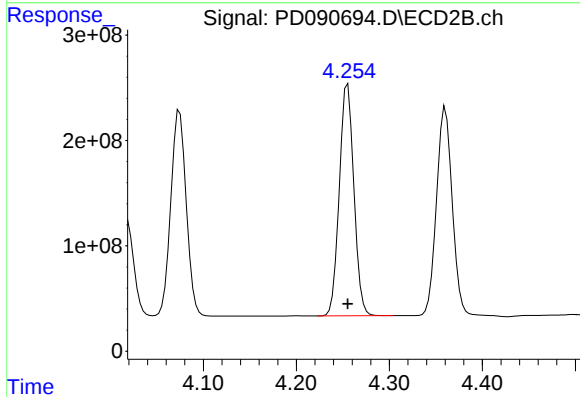
Instrument :

ECD\_D

ClientSampleId :  
PB170163BS

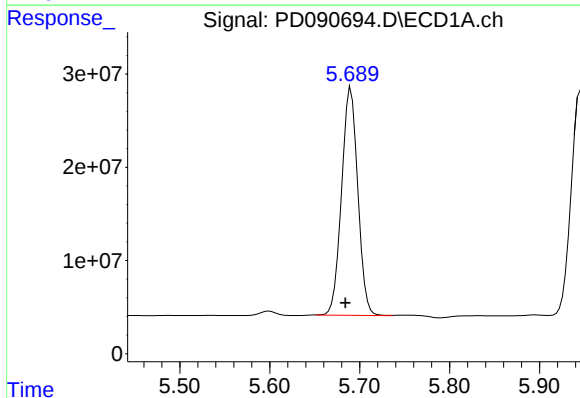
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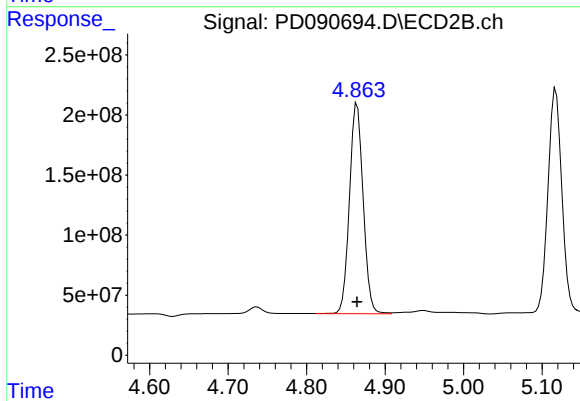
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 2395760037  
Conc: 50.21 ng/ml



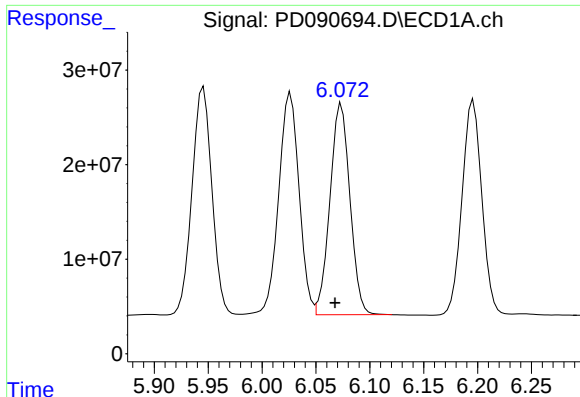
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: 0.005 min  
Response: 306349772  
Conc: 52.92 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: 0.000 min  
Response: 2129450125  
Conc: 49.94 ng/ml



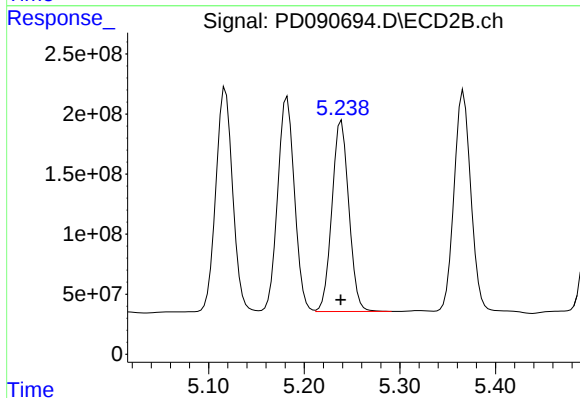
#9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.006 min  
Response: 288311031  
Conc: 52.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

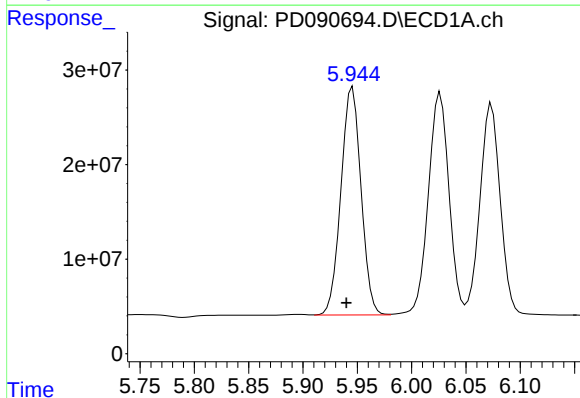
Manual Integrations  
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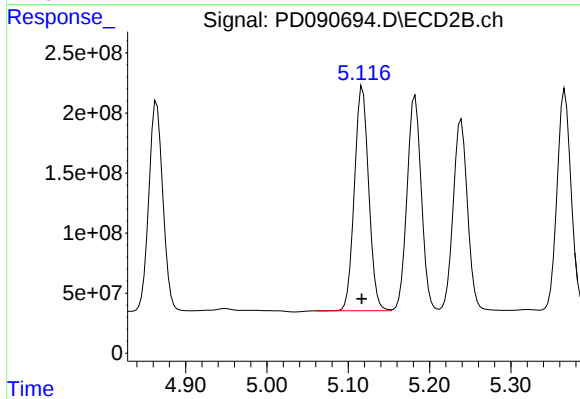
#9 Endosulfan I

R.T.: 5.239 min  
Delta R.T.: 0.000 min  
Response: 1950623636  
Conc: 49.52 ng/ml



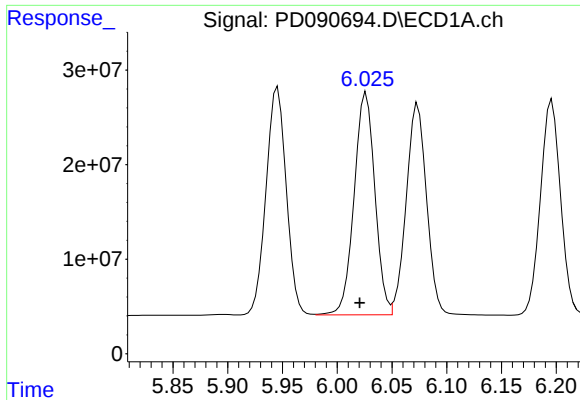
#10 gamma-Chlordane

R.T.: 5.946 min  
Delta R.T.: 0.005 min  
Response: 310633257  
Conc: 52.37 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min  
Delta R.T.: 0.000 min  
Response: 2282038196  
Conc: 50.77 ng/ml



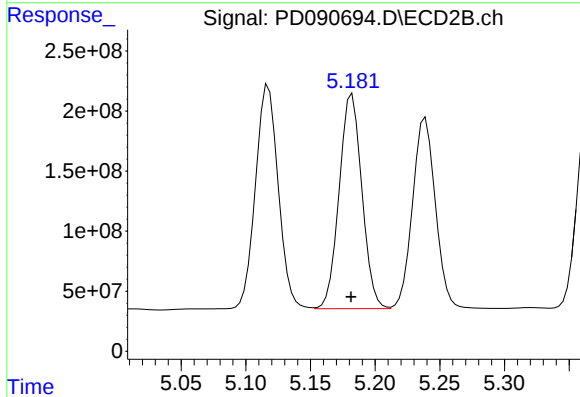
#11 alpha-Chlordane

R.T.: 6.026 min  
Delta R.T.: 0.006 min  
Response: 310676875  
Conc: 50.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

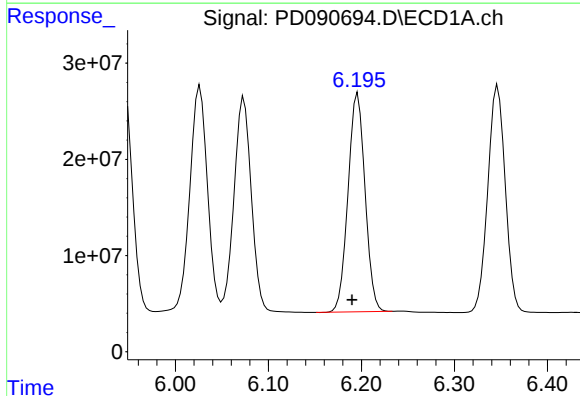
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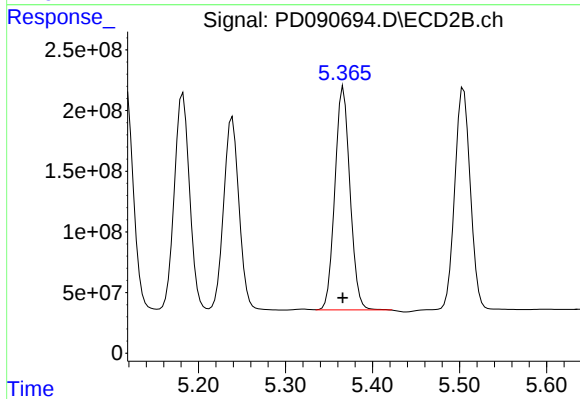
#11 alpha-Chlordane

R.T.: 5.182 min  
Delta R.T.: 0.000 min  
Response: 2181288948  
Conc: 50.57 ng/ml



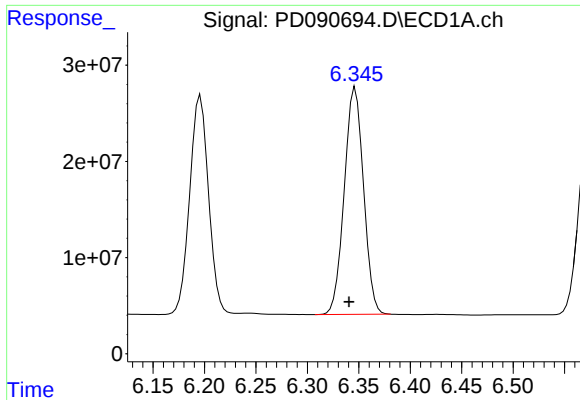
#12 4,4'-DDE

R.T.: 6.196 min  
Delta R.T.: 0.006 min  
Response: 288929142  
Conc: 54.24 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min  
Delta R.T.: 0.000 min  
Response: 2226780780  
Conc: 50.80 ng/ml



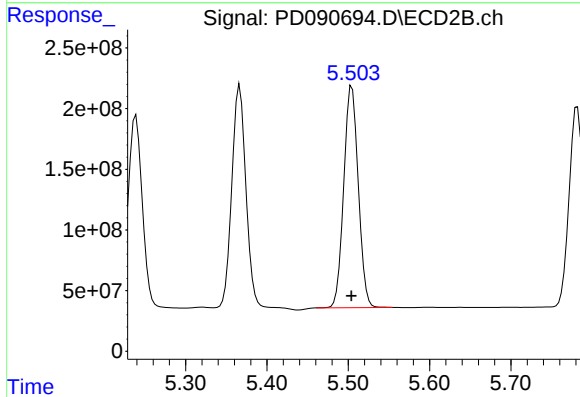
#13 Dieldrin

R.T.: 6.347 min  
Delta R.T.: 0.006 min  
Response: 307570076  
Conc: 52.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

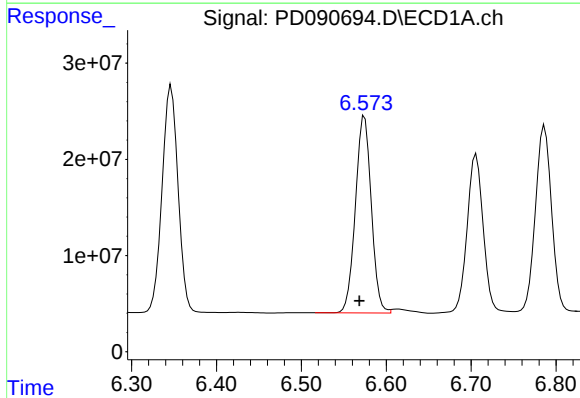
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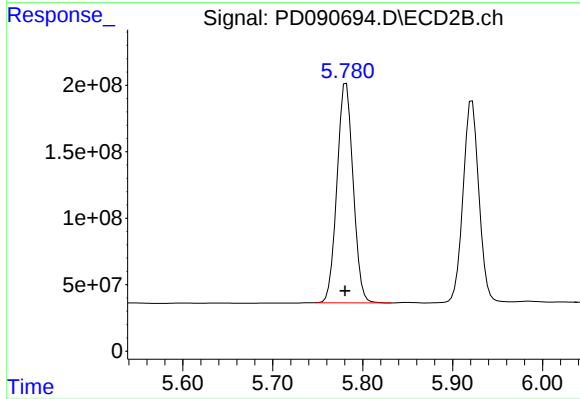
#13 Dieldrin

R.T.: 5.504 min  
Delta R.T.: 0.000 min  
Response: 2262695208  
Conc: 51.21 ng/ml



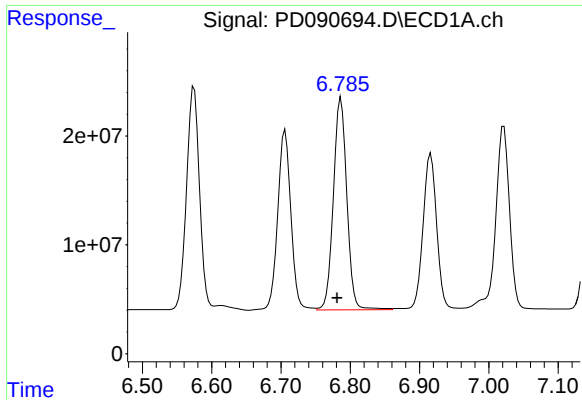
#14 Endrin

R.T.: 6.575 min  
Delta R.T.: 0.006 min  
Response: 266345296  
Conc: 53.77 ng/ml



#14 Endrin

R.T.: 5.782 min  
Delta R.T.: 0.001 min  
Response: 2056633250  
Conc: 50.79 ng/ml



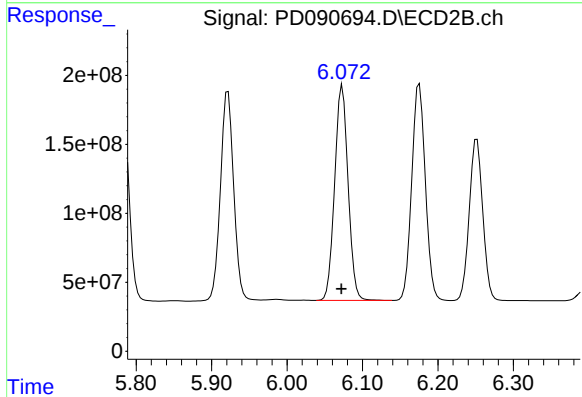
#15 Endosulfan II

R.T.: 6.787 min  
Delta R.T.: 0.006 min  
Response: 263239369  
Conc: 52.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

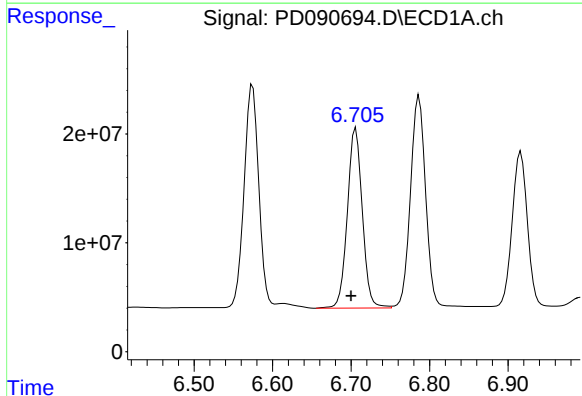
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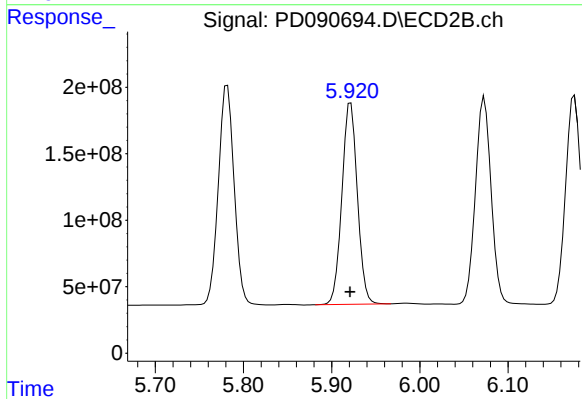
#15 Endosulfan II

R.T.: 6.073 min  
Delta R.T.: 0.001 min  
Response: 1931124887  
Conc: 51.42 ng/ml



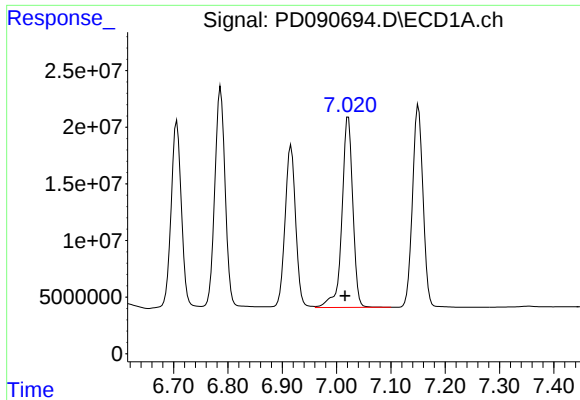
#16 4,4'-DDD

R.T.: 6.706 min  
Delta R.T.: 0.006 min  
Response: 218845289  
Conc: 53.98 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min  
Delta R.T.: 0.000 min  
Response: 1846833897  
Conc: 50.68 ng/ml



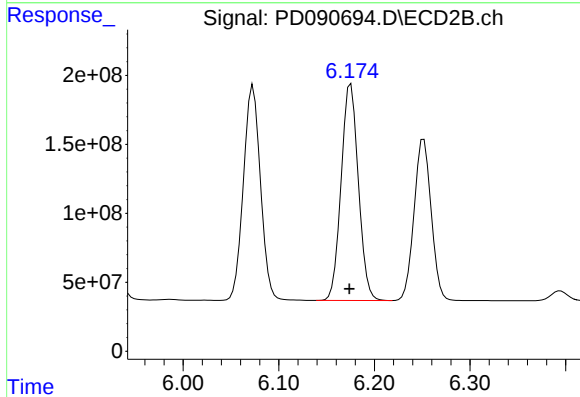
#17 4,4'-DDT

R.T.: 7.022 min  
Delta R.T.: 0.006 min  
Response: 234984906  
Conc: 57.17 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

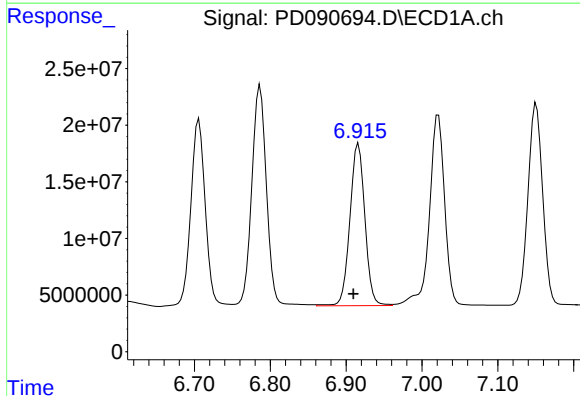
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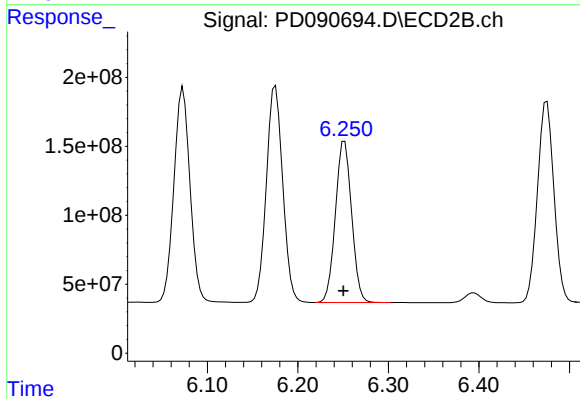
#17 4,4'-DDT

R.T.: 6.175 min  
Delta R.T.: 0.001 min  
Response: 1972939043  
Conc: 56.25 ng/ml



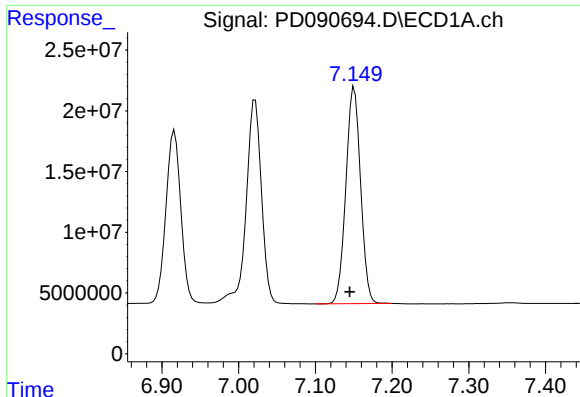
#18 Endrin aldehyde

R.T.: 6.916 min  
Delta R.T.: 0.007 min  
Response: 196645581  
Conc: 53.69 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min  
Delta R.T.: 0.001 min  
Response: 1452813935  
Conc: 52.46 ng/ml



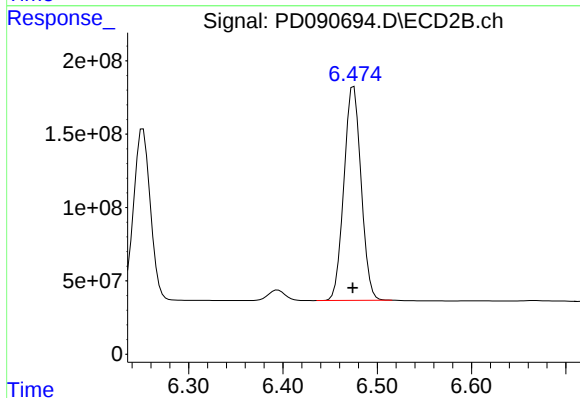
#19 Endosulfan Sulfate

R.T.: 7.151 min  
Delta R.T.: 0.006 min  
Response: 238749300  
Conc: 51.47 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

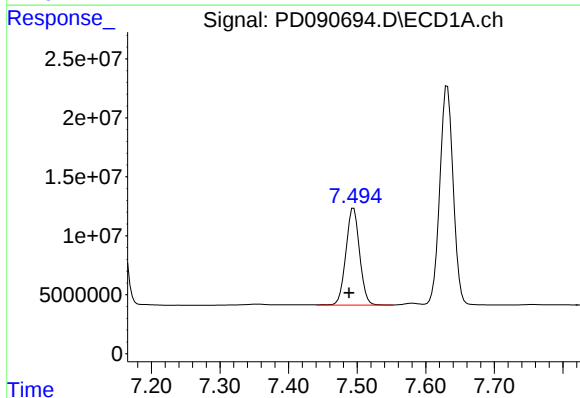
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/21/2025  
Supervised By :mohammad ahmed 10/24/2025



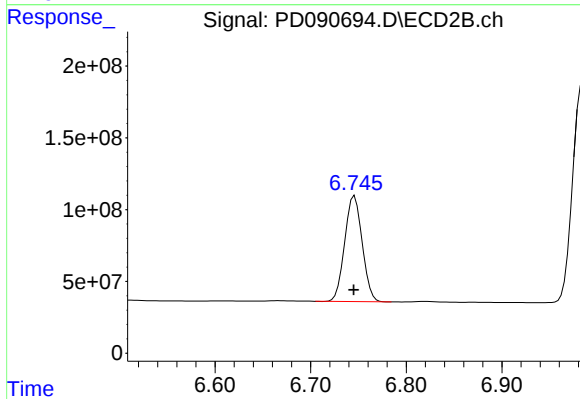
#19 Endosulfan Sulfate

R.T.: 6.475 min  
Delta R.T.: 0.001 min  
Response: 1847339343  
Conc: 51.54 ng/ml



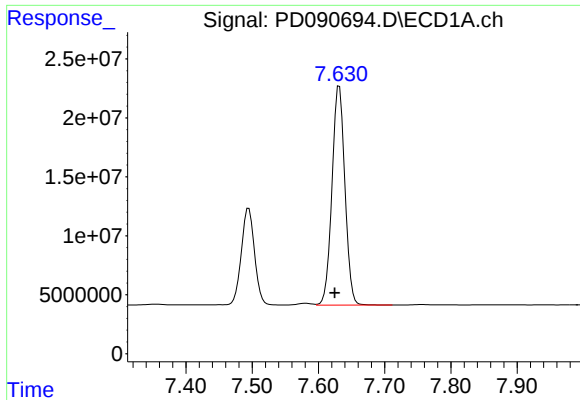
#20 Methoxychlor

R.T.: 7.495 min  
Delta R.T.: 0.007 min  
Response: 114597133  
Conc: 53.91 ng/ml



#20 Methoxychlor

R.T.: 6.746 min  
Delta R.T.: 0.000 min  
Response: 939211636  
Conc: 53.89 ng/ml



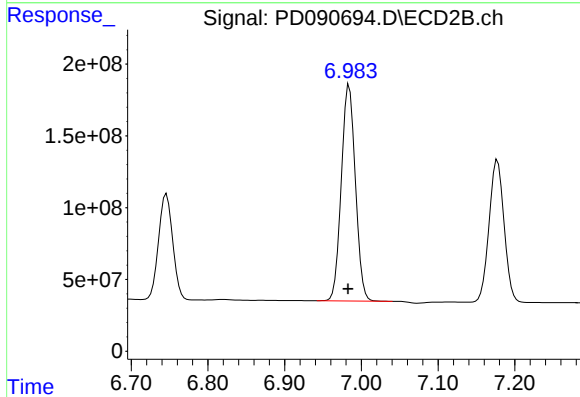
#21 Endrin ketone

R.T.: 7.631 min  
Delta R.T.: 0.007 min  
Response: 251842513  
Conc: 51.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

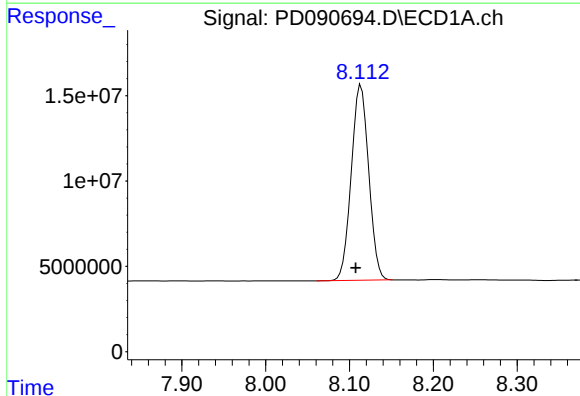
Manual Integrations  
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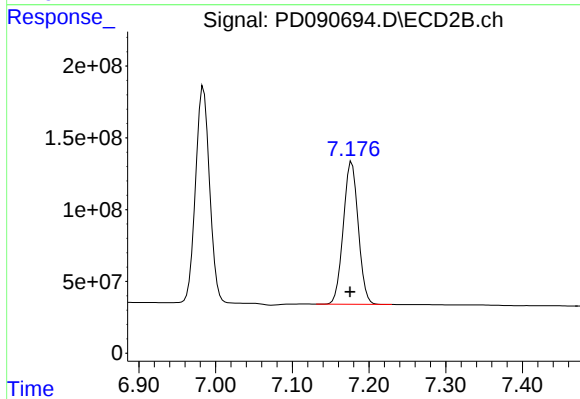
#21 Endrin ketone

R.T.: 6.984 min  
Delta R.T.: 0.001 min  
Response: 1924161296  
Conc: 51.01 ng/ml



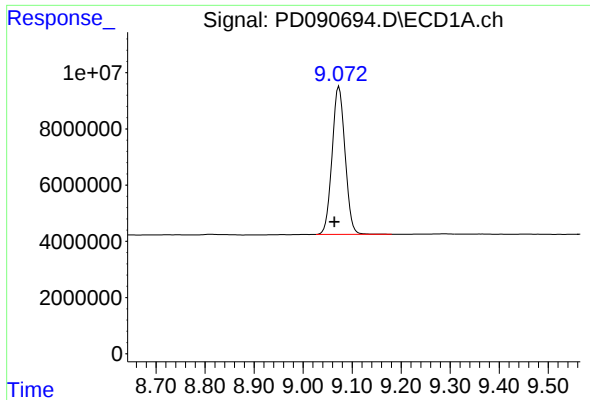
#22 Mirex

R.T.: 8.114 min  
Delta R.T.: 0.006 min  
Response: 165843674  
Conc: 51.81 ng/ml



#22 Mirex

R.T.: 7.177 min  
Delta R.T.: 0.002 min  
Response: 1347836516  
Conc: 52.46 ng/ml



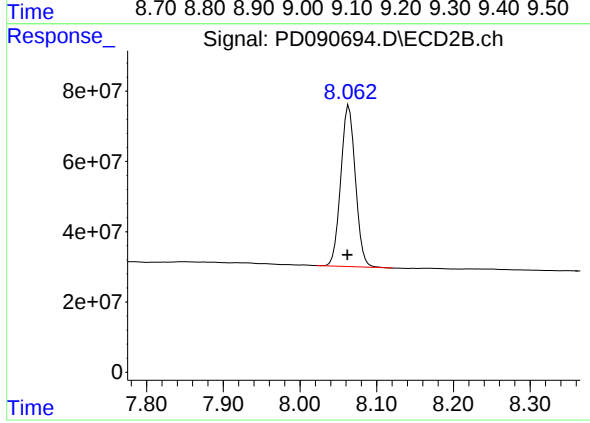
#28 Decachlorobiphenyl

R.T.: 9.073 min  
Delta R.T.: 0.009 min  
Response: 96646381  
Conc: 20.66 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PB170163BS

Manual Integrations  
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#28 Decachlorobiphenyl

R.T.: 8.064 min  
Delta R.T.: 0.002 min  
Response: 609702764  
Conc: 20.13 ng/ml