

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD060925\  
 Data File : PD088847.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Jun 2025 17:28  
 Operator : AR\AJ  
 Sample : Q2137-05MSD  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 MOO-25-0151MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 06/10/2025  
 Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 10 01:43:29 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD051925.M  
 Quant Title : GC Extractables  
 QLast Update : Mon May 19 15:27:28 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  | 2.878 | 98942214 | 257.8E6  | 45.727m  | 17.044m# |
| 28) SA Decachlor...         | 9.073  | 8.073 | 75759614 | 336.1E6  | 22.137   | 18.413   |
| Target Compounds            |        |       |          |          |          |          |
| 2) A alpha-BHC              | 3.998  | 3.391 | 177.4E6  | 1204.9E6 | 37.131   | 50.405m# |
| 3) MA gamma-BHC...          | 4.327  | 3.728 | 208.4E6  | 1829.0E6 | 45.283m  | 82.514m# |
| 4) MA Heptachlor            | 4.926  | 4.083 | 272.6E6  | 1301.7E6 | 60.970   | 57.970   |
| 5) MB Aldrin                | 5.270  | 4.367 | 177.4E6  | 625.4E6  | 40.361   | 28.519m# |
| 6) B beta-BHC               | 4.514  | 4.025 | 121.7E6  | 345.0E6  | 67.490   | 35.418 # |
| 7) B delta-BHC              | 4.743f | 4.259 | 1963.5E6 | 1373.2E6 | 464.605m | 61.595m# |
| 8) B Heptachlo...           | 5.691  | 4.872 | 197.7E6  | 701.7E6  | 49.798   | 35.310 # |
| 9) A Endosulfan I           | 6.073  | 5.247 | 160.8E6  | 671.1E6  | 42.740   | 35.362   |
| 10) B gamma-Chl...          | 5.945  | 5.125 | 166.8E6  | 752.3E6  | 41.826   | 35.265   |
| 11) B alpha-Chl...          | 6.025  | 5.189 | 171.5E6  | 850.4E6  | 42.803   | 41.233   |
| 12) B 4,4'-DDE              | 6.195  | 5.375 | 125.9E6  | 760.3E6  | 35.063   | 36.373   |
| 13) MA Dieldrin             | 6.346  | 5.510 | 174.7E6  | 575.6E6  | 43.553   | 27.353m# |
| 14) MA Endrin               | 6.574  | 5.789 | 144.4E6  | 714.7E6  | 42.278   | 37.062   |
| 15) B Endosulfa...          | 6.785  | 6.080 | 147.6E6  | 652.3E6  | 42.855   | 35.600   |
| 16) A 4,4'-DDD              | 6.704  | 5.929 | 110.8E6  | 536.8E6  | 39.788   | 30.862   |
| 17) MA 4,4'-DDT             | 7.020  | 6.183 | 149.9E6  | 616.5E6  | 48.013   | 33.989 # |
| 18) B Endrin al...          | 6.914  | 6.258 | 34784111 | 148.7E6  | 13.510   | 10.677   |
| 19) B Endosulfa...          | 7.148  | 6.482 | 135.5E6  | 620.4E6  | 42.300   | 34.939   |
| 20) A Methoxychlor          | 7.491  | 6.753 | 75512134 | 338.0E6  | 45.202m  | 35.299m  |
| 21) B Endrin ke...          | 7.629  | 6.991 | 147.4E6  | 704.5E6  | 43.061   | 36.414   |
| 22) Mirex                   | 8.113  | 7.185 | 115.2E6  | 533.5E6  | 44.356   | 35.093   |
| -----                       |        |       |          |          |          |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD060925\  
Data File : PD088847.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Jun 2025 17:28  
Operator : AR\AJ  
Sample : Q2137-05MSD  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

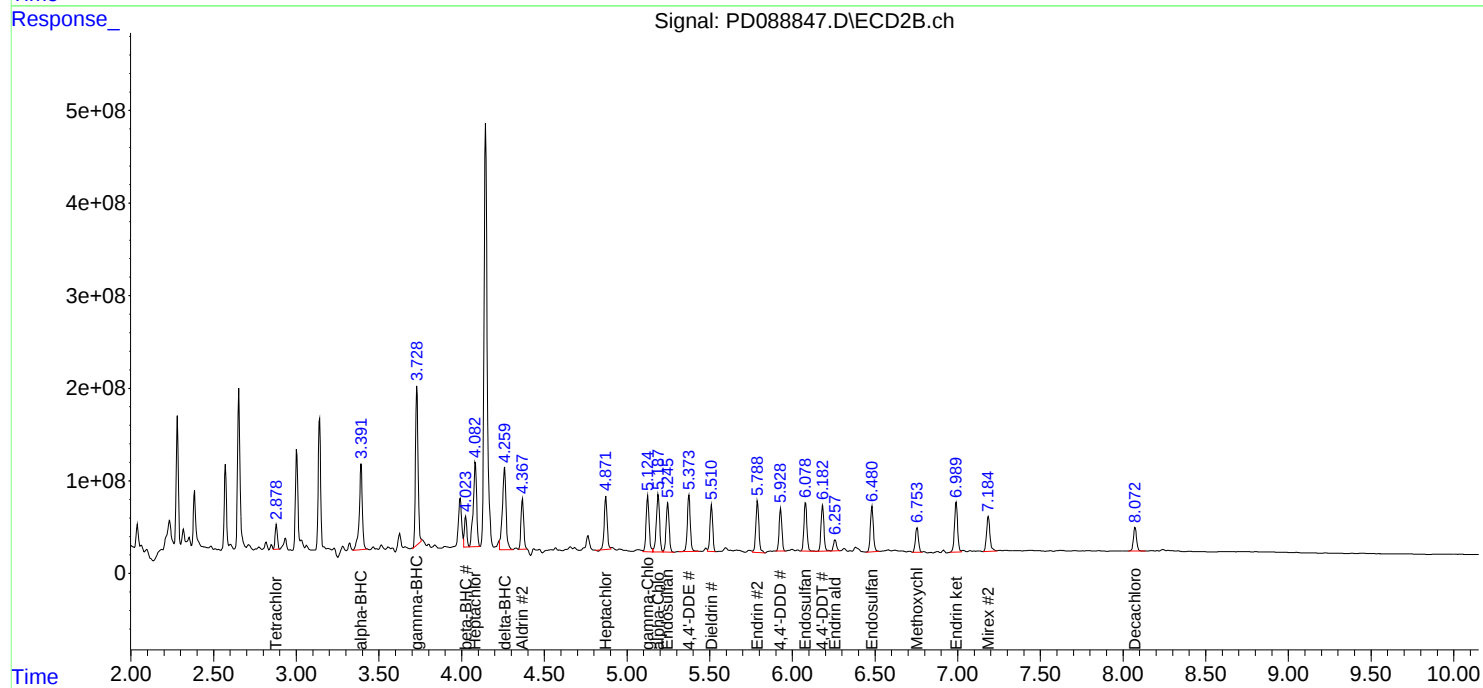
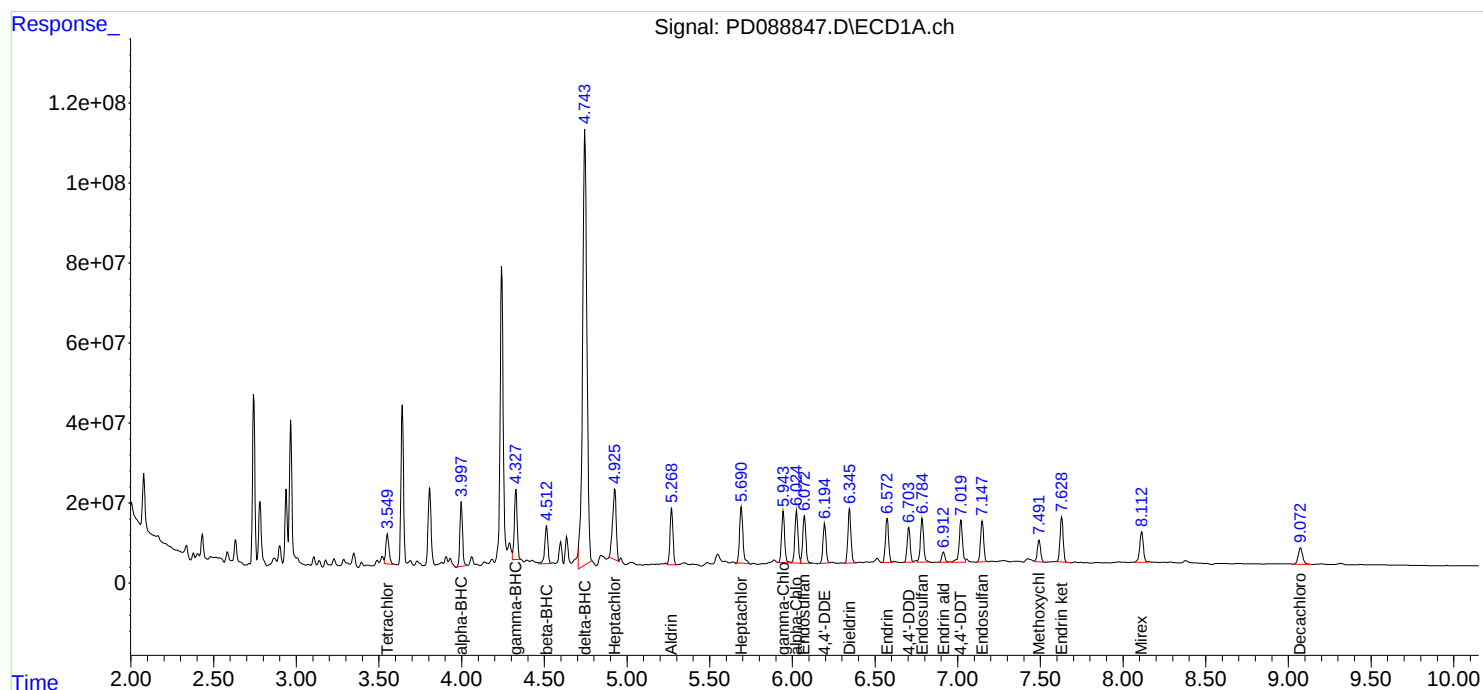
Instrument :  
ECD\_D  
ClientSampleId :  
MOO-25-0151MSD

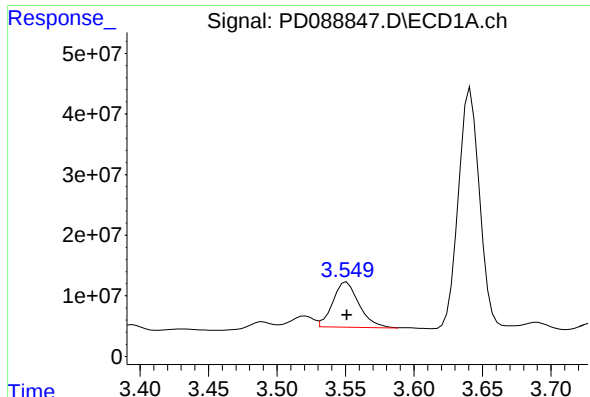
Manual Integrations  
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Supervised By :mohammad ahmed 06/11/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 10 01:43:29 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD051925.M  
Quant Title : GC Extractables  
QLast Update : Mon May 19 15:27:28 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





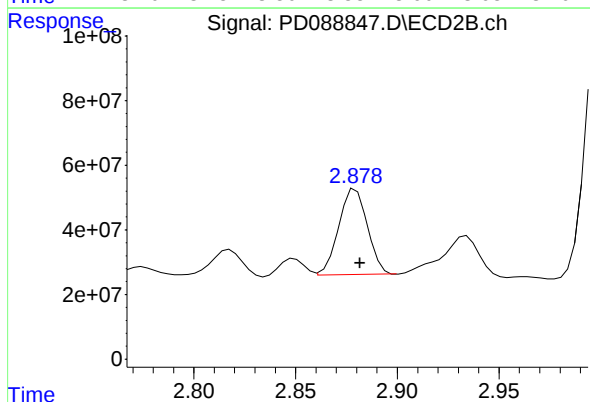
#1 Tetrachloro-m-xylene

R.T.: 3.549 min  
Delta R.T.: -0.002 min  
Response: 98942214  
Conc: 45.73 ng/ml

Instrument :  
ECD\_D  
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MOO-25-0151MSD

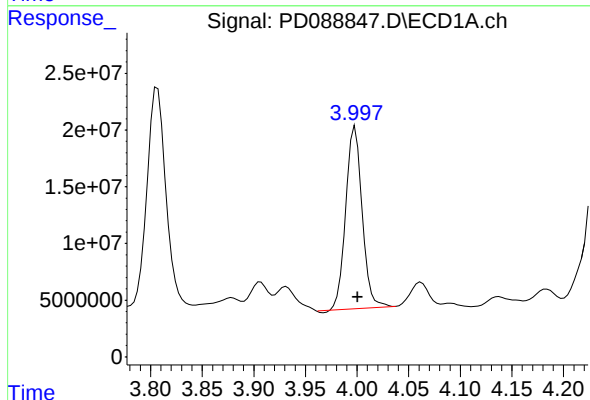
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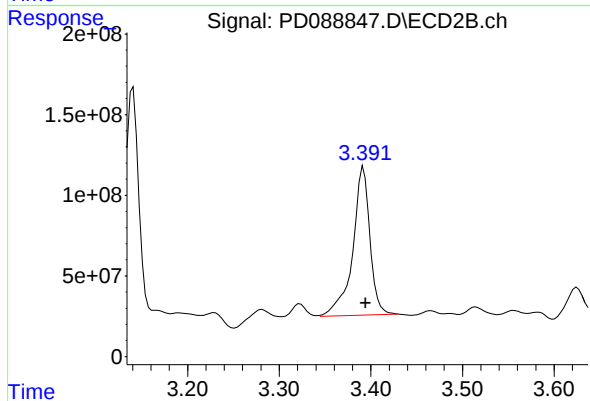
#1 Tetrachloro-m-xylene

R.T.: 2.878 min  
Delta R.T.: -0.004 min  
Response: 257829276  
Conc: 17.04 ng/ml m



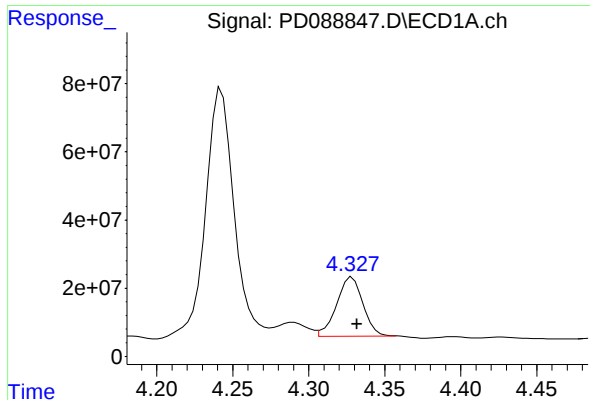
#2 alpha-BHC

R.T.: 3.998 min  
Delta R.T.: -0.002 min  
Response: 177358710  
Conc: 37.13 ng/ml



#2 alpha-BHC

R.T.: 3.391 min  
Delta R.T.: -0.004 min  
Response: 1204879714  
Conc: 50.41 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.327 min  
Delta R.T.: -0.004 min  
Response: 208422504  
Conc: 45.28 ng/ml

Instrument :

ECD\_D

ClientSampleId :

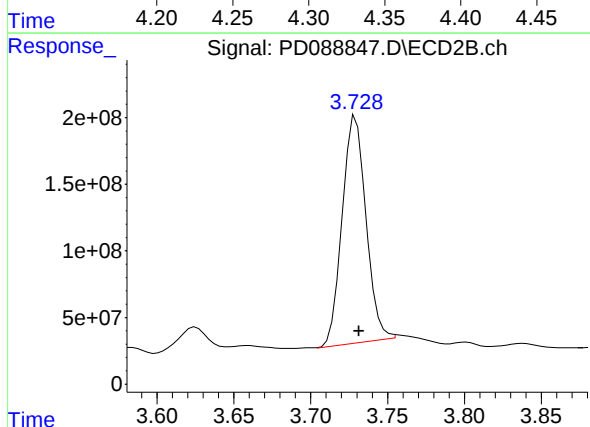
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Manual Integrations

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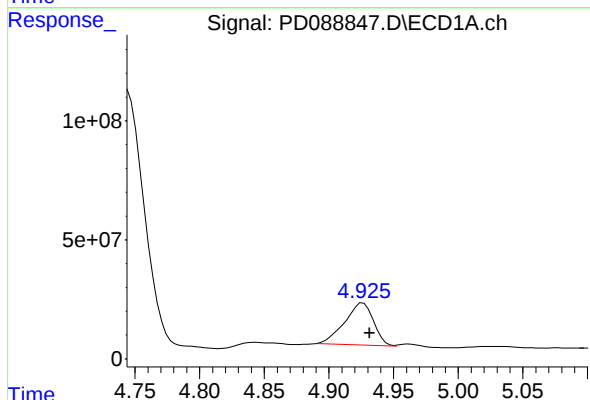
Reviewed By :Abdul Mirza 06/10/2025

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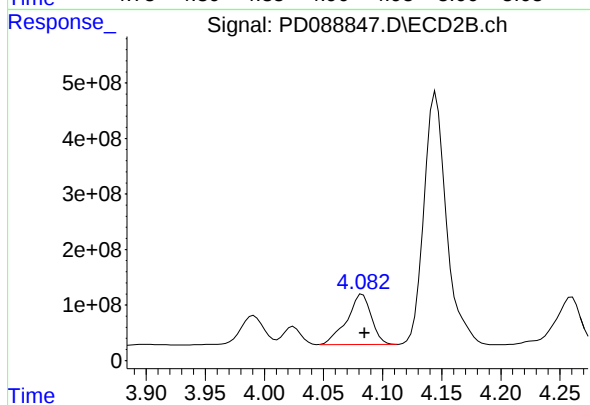
#3 gamma-BHC (Lindane)

R.T.: 3.728 min  
Delta R.T.: -0.004 min  
Response: 1828988287  
Conc: 82.51 ng/ml



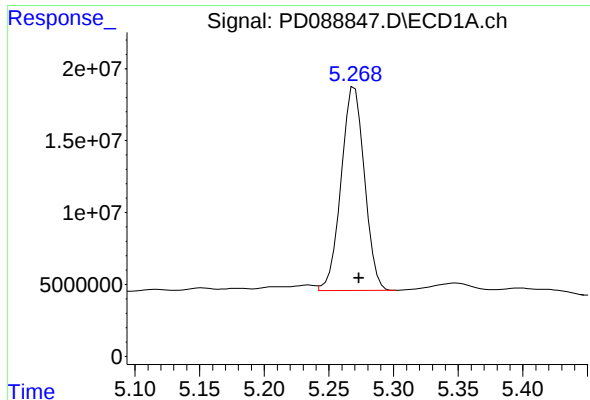
#4 Heptachlor

R.T.: 4.926 min  
Delta R.T.: -0.005 min  
Response: 272608283  
Conc: 60.97 ng/ml



#4 Heptachlor

R.T.: 4.083 min  
Delta R.T.: -0.002 min  
Response: 1301720468  
Conc: 57.97 ng/ml



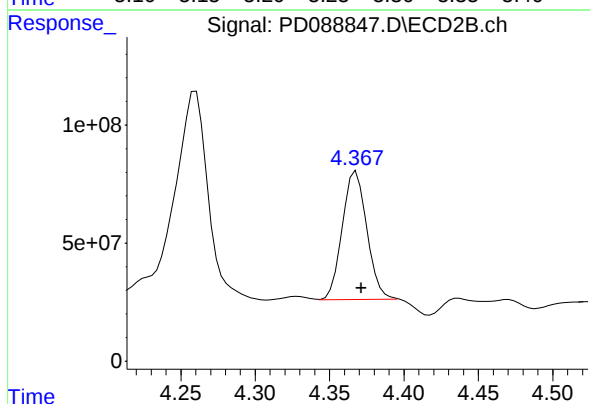
#5 Aldrin

R.T.: 5.270 min  
Delta R.T.: -0.003 min  
Response: 177367570  
Conc: 40.36 ng/ml

Instrument :  
ECD\_D  
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MOO-25-0151MSD

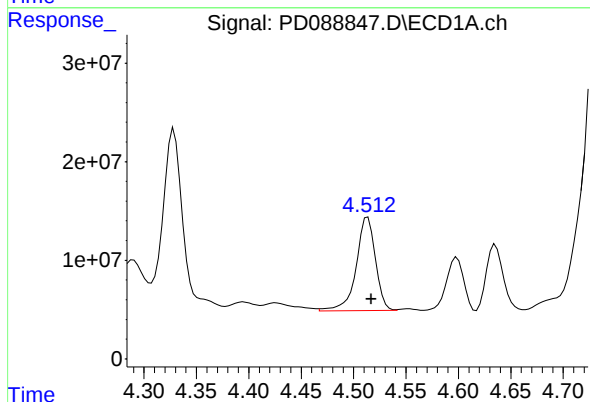
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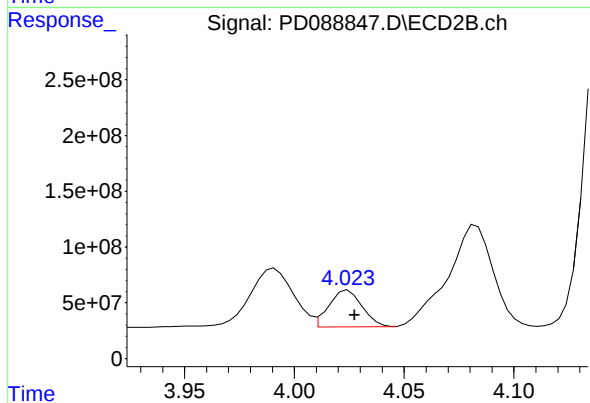
#5 Aldrin

R.T.: 4.367 min  
Delta R.T.: -0.005 min  
Response: 625425450  
Conc: 28.52 ng/ml



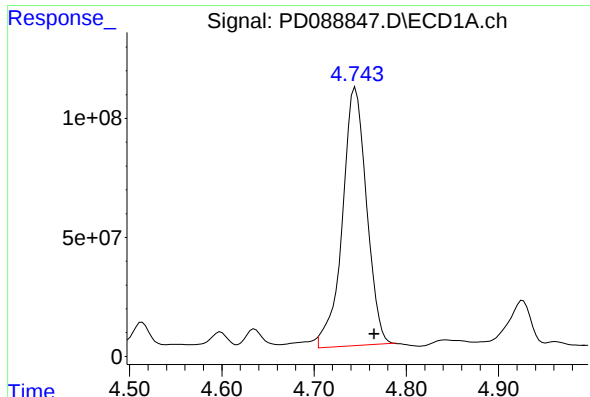
#6 beta-BHC

R.T.: 4.514 min  
Delta R.T.: -0.003 min  
Response: 121694788  
Conc: 67.49 ng/ml



#6 beta-BHC

R.T.: 4.025 min  
Delta R.T.: -0.003 min  
Response: 345034311  
Conc: 35.42 ng/ml



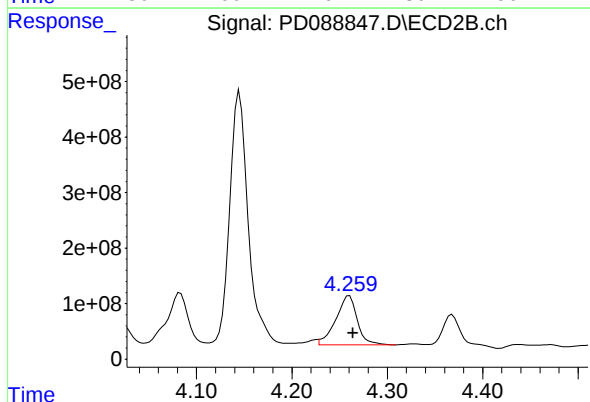
#7 delta-BHC

R.T.: 4.743 min  
Delta R.T.: -0.022 min  
Response: 1963486737  
Conc: 464.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MOO-25-0151MSD

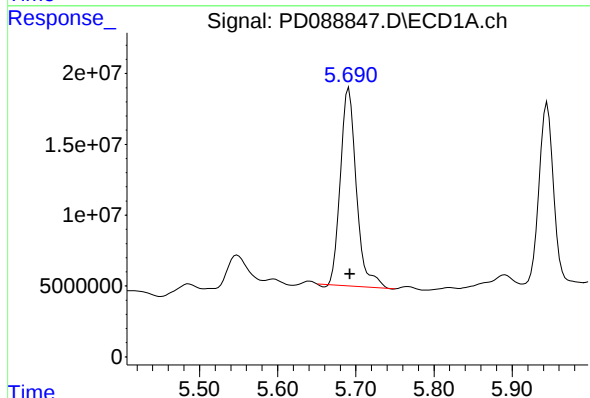
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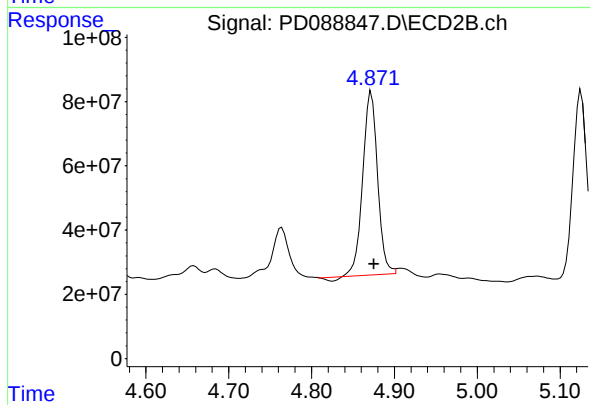
#7 delta-BHC

R.T.: 4.259 min  
Delta R.T.: -0.005 min  
Response: 1373203922  
Conc: 61.59 ng/ml m



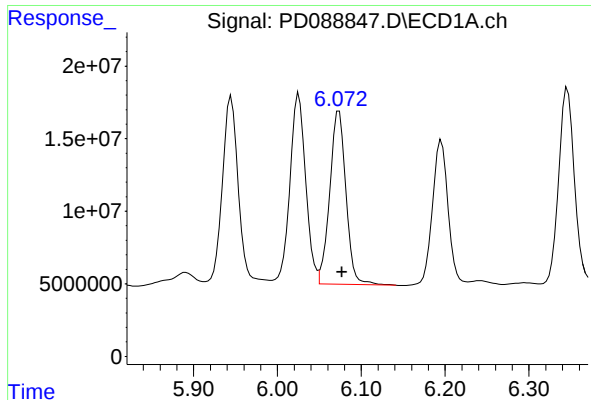
#8 Heptachlor epoxide

R.T.: 5.691 min  
Delta R.T.: -0.002 min  
Response: 197661956  
Conc: 49.80 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min  
Delta R.T.: -0.003 min  
Response: 701652758  
Conc: 35.31 ng/ml



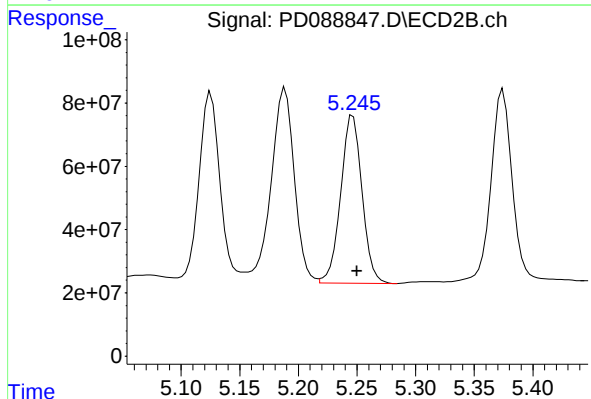
#9 Endosulfan I

R.T.: 6.073 min  
Delta R.T.: -0.004 min  
Response: 160826783  
Conc: 42.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MOO-25-0151MSD

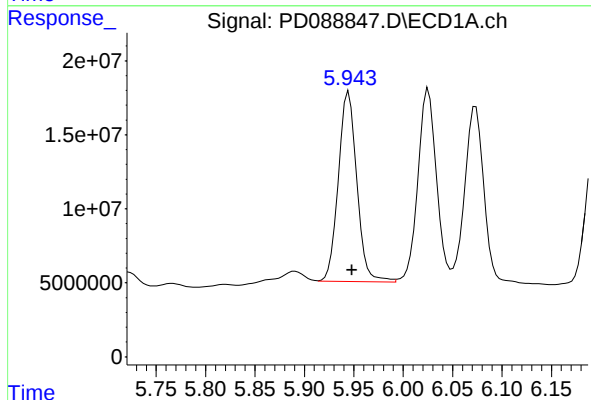
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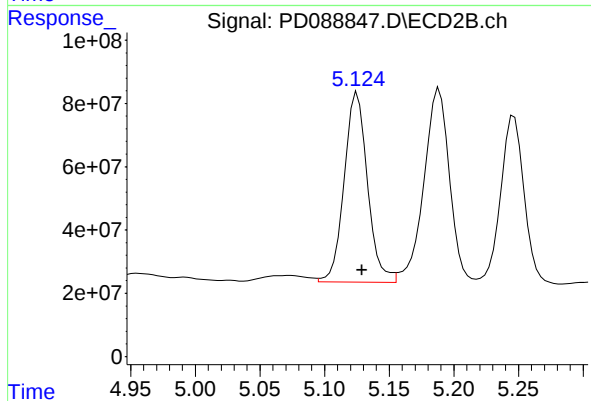
#9 Endosulfan I

R.T.: 5.247 min  
Delta R.T.: -0.003 min  
Response: 671118829  
Conc: 35.36 ng/ml



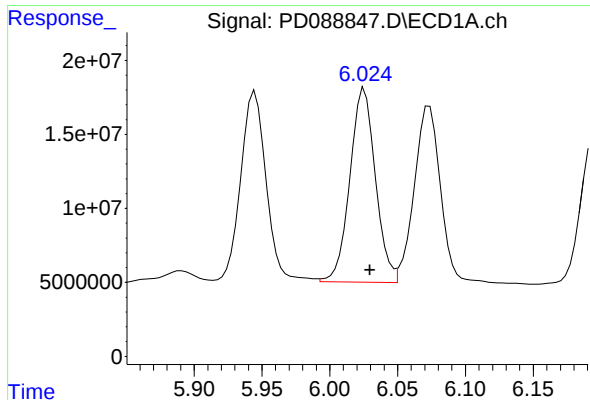
#10 gamma-Chlordane

R.T.: 5.945 min  
Delta R.T.: -0.004 min  
Response: 166843577  
Conc: 41.83 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min  
Delta R.T.: -0.003 min  
Response: 752266962  
Conc: 35.26 ng/ml



#11 alpha-Chlordane

R.T.: 6.025 min  
Delta R.T.: -0.004 min  
Response: 171478672  
Conc: 42.80 ng/ml

Instrument :

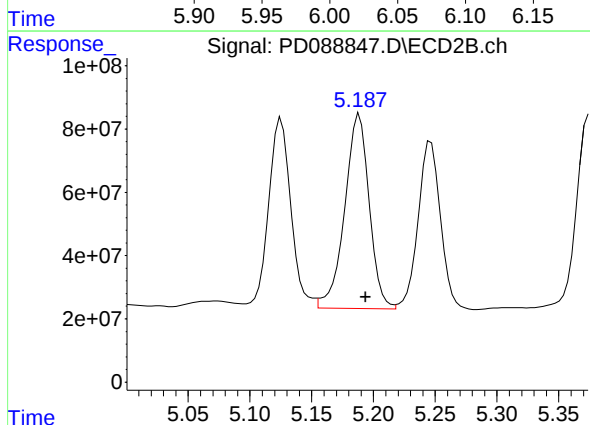
ECD\_D

ClientSampleId :

MOO-25-0151MSD

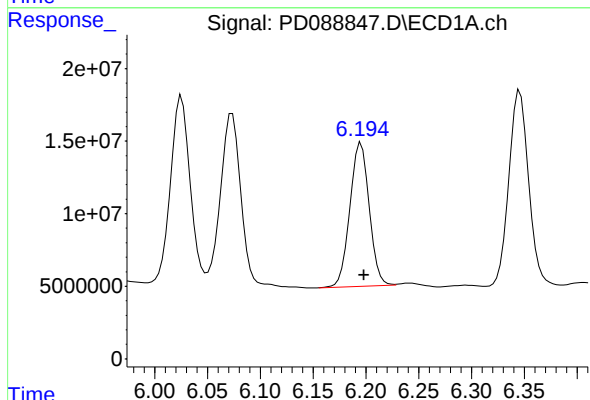
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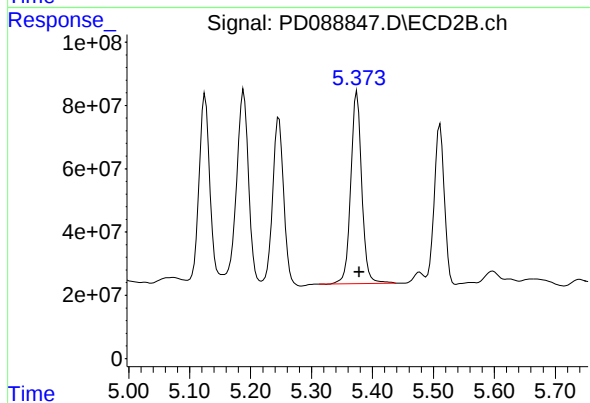
#11 alpha-Chlordane

R.T.: 5.189 min  
Delta R.T.: -0.005 min  
Response: 850417396  
Conc: 41.23 ng/ml



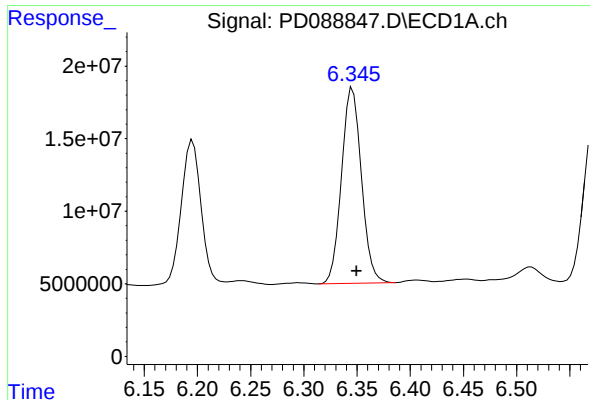
#12 4,4'-DDE

R.T.: 6.195 min  
Delta R.T.: -0.003 min  
Response: 125854327  
Conc: 35.06 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min  
Delta R.T.: -0.004 min  
Response: 760293111  
Conc: 36.37 ng/ml



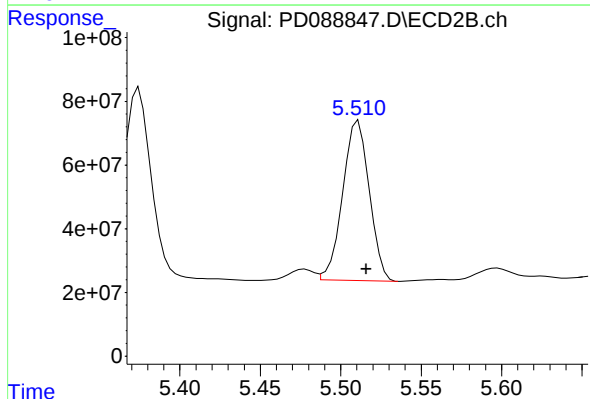
#13 Dieldrin

R.T.: 6.346 min  
Delta R.T.: -0.004 min  
Response: 174721467  
Conc: 43.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MOO-25-0151MSD

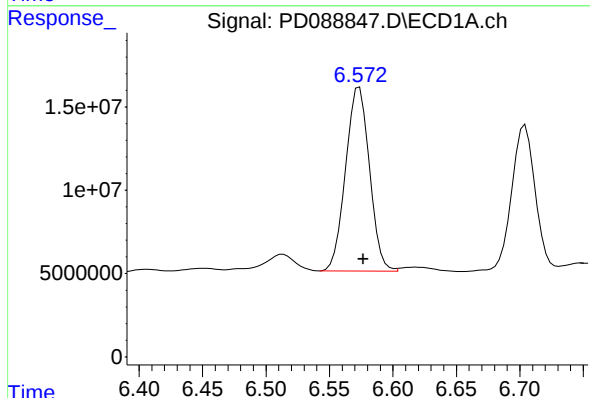
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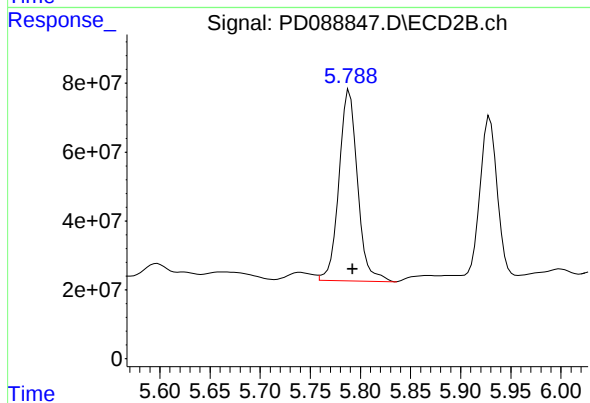
#13 Dieldrin

R.T.: 5.510 min  
Delta R.T.: -0.006 min  
Response: 575611205  
Conc: 27.35 ng/ml



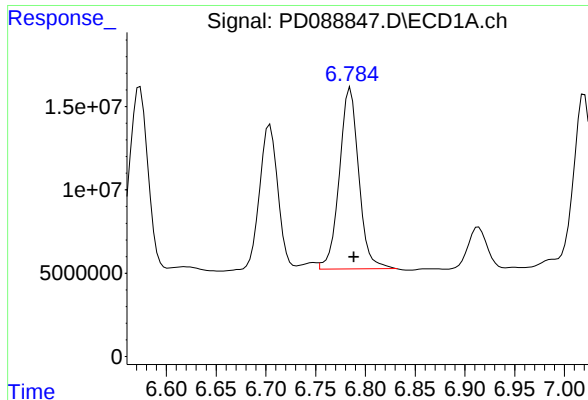
#14 Endrin

R.T.: 6.574 min  
Delta R.T.: -0.003 min  
Response: 144385997  
Conc: 42.28 ng/ml



#14 Endrin

R.T.: 5.789 min  
Delta R.T.: -0.003 min  
Response: 714712141  
Conc: 37.06 ng/ml



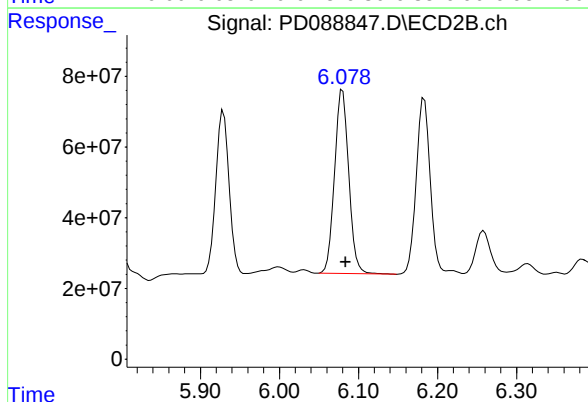
#15 Endosulfan II

R.T.: 6.785 min  
Delta R.T.: -0.004 min  
Response: 147576375  
Conc: 42.86 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MOO-25-0151MSD

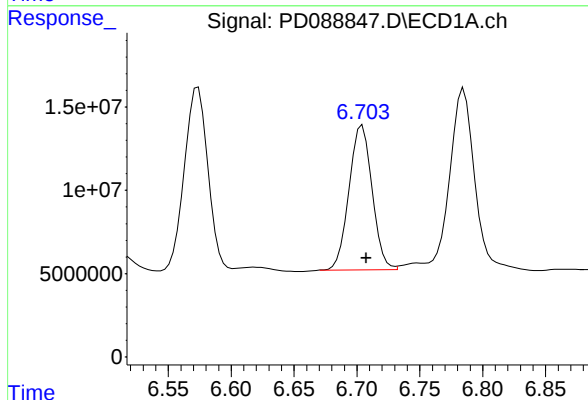
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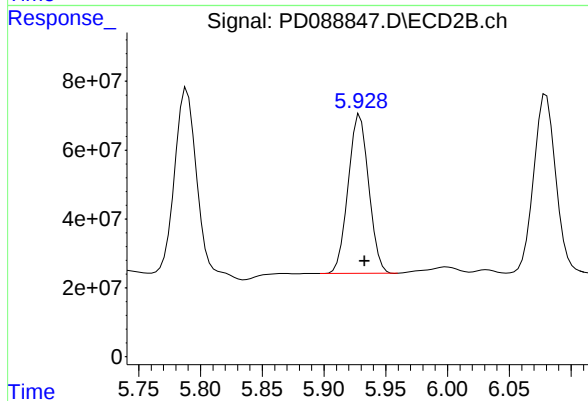
#15 Endosulfan II

R.T.: 6.080 min  
Delta R.T.: -0.004 min  
Response: 652264708  
Conc: 35.60 ng/ml



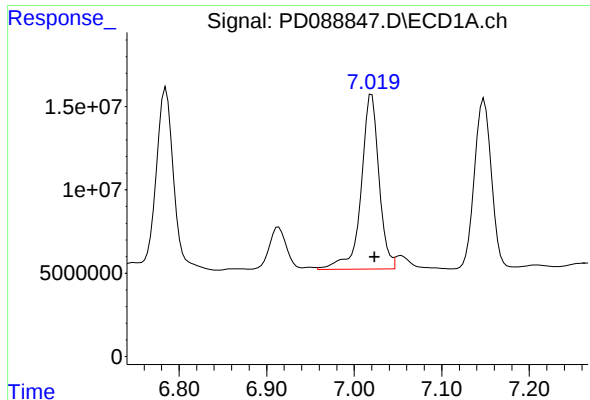
#16 4,4'-DDD

R.T.: 6.704 min  
Delta R.T.: -0.003 min  
Response: 110813003  
Conc: 39.79 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min  
Delta R.T.: -0.004 min  
Response: 536765639  
Conc: 30.86 ng/ml



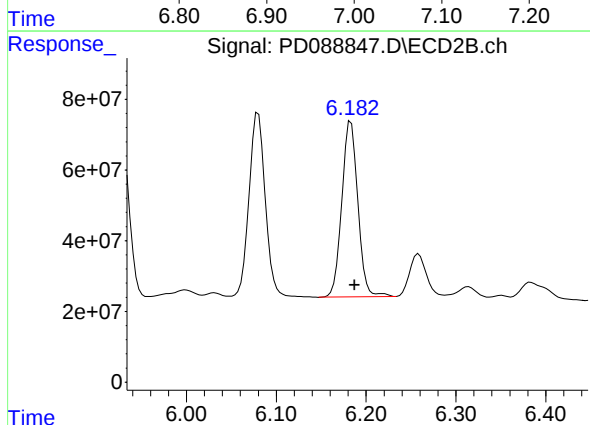
#17 4,4'-DDT

R.T.: 7.020 min  
Delta R.T.: -0.003 min  
Response: 149897025  
Conc: 48.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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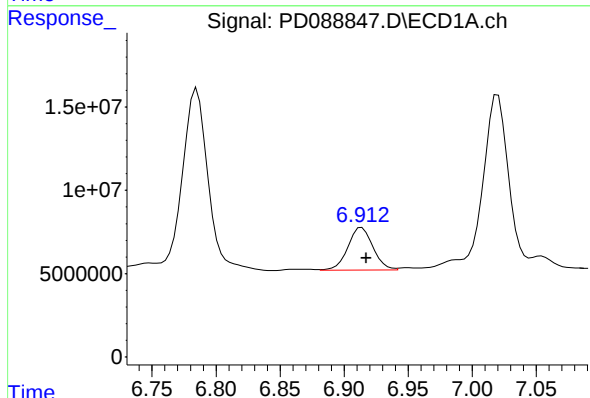
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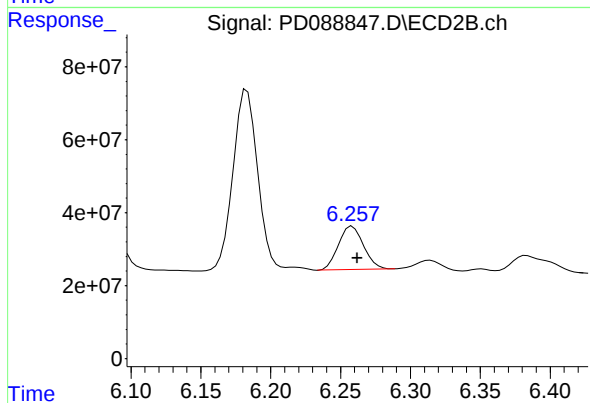
#17 4,4'-DDT

R.T.: 6.183 min  
Delta R.T.: -0.004 min  
Response: 616473151  
Conc: 33.99 ng/ml



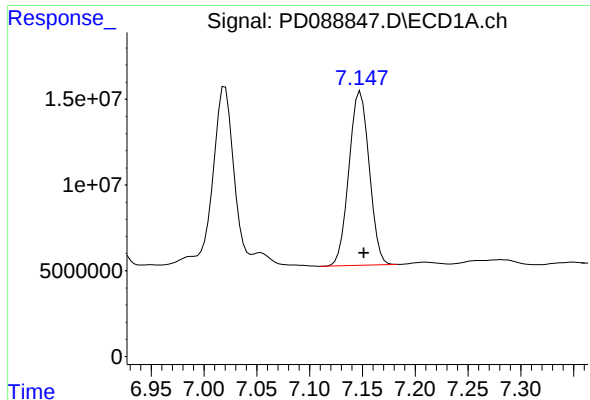
#18 Endrin aldehyde

R.T.: 6.914 min  
Delta R.T.: -0.004 min  
Response: 34784111  
Conc: 13.51 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min  
Delta R.T.: -0.004 min  
Response: 148716210  
Conc: 10.68 ng/ml



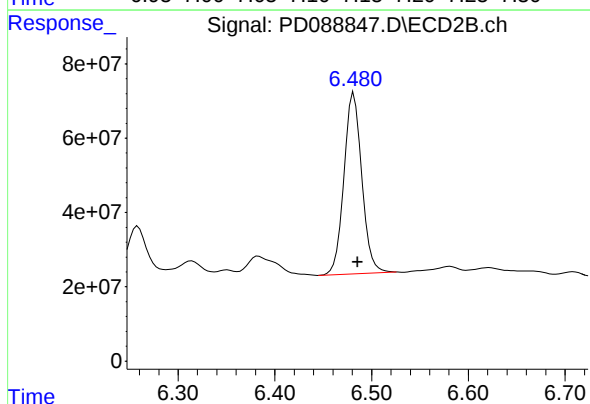
#19 Endosulfan Sulfate

R.T.: 7.148 min  
Delta R.T.: -0.003 min  
Response: 135491262  
Conc: 42.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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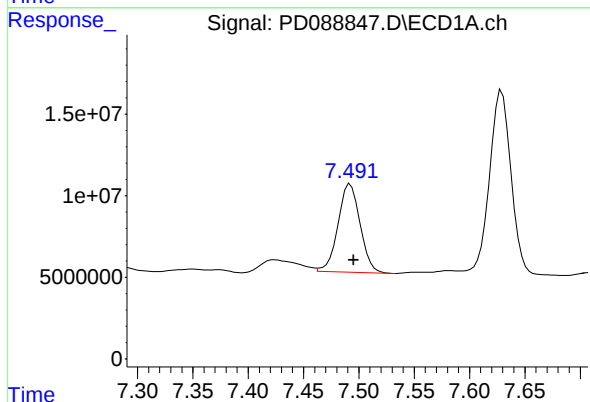
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/10/2025  
Supervised By :mohammad ahmed 06/11/2025



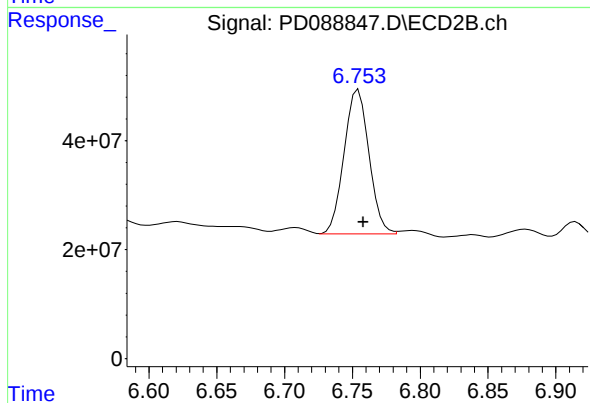
#19 Endosulfan Sulfate

R.T.: 6.482 min  
Delta R.T.: -0.004 min  
Response: 620363932  
Conc: 34.94 ng/ml



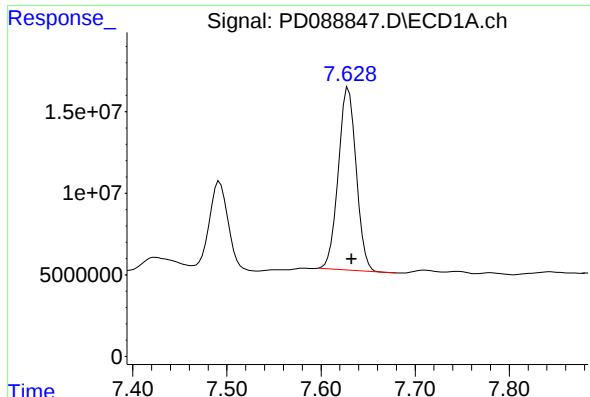
#20 Methoxychlor

R.T.: 7.491 min  
Delta R.T.: -0.004 min  
Response: 75512134  
Conc: 45.20 ng/ml m



#20 Methoxychlor

R.T.: 6.753 min  
Delta R.T.: -0.005 min  
Response: 337981444  
Conc: 35.30 ng/ml m



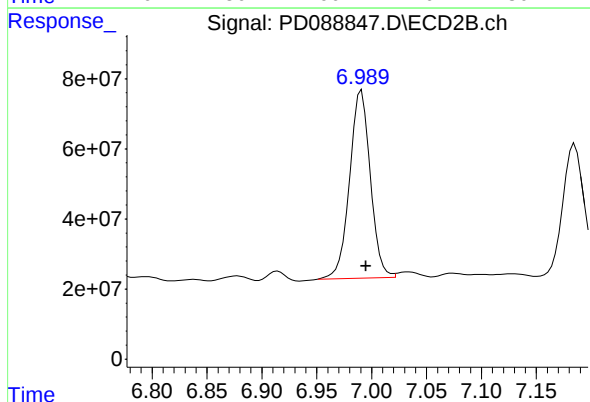
#21 Endrin ketone

R.T.: 7.629 min  
Delta R.T.: -0.003 min  
Response: 147403191  
Conc: 43.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MOO-25-0151MSD

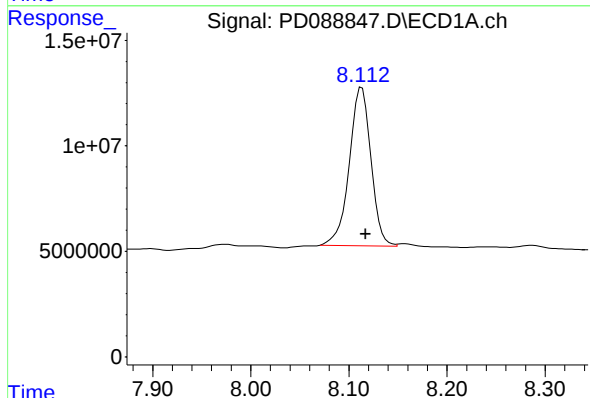
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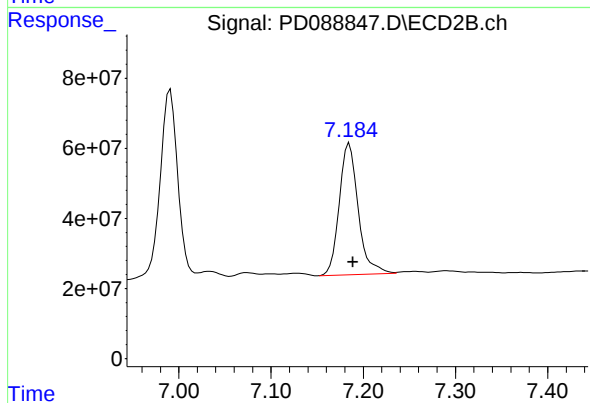
#21 Endrin ketone

R.T.: 6.991 min  
Delta R.T.: -0.004 min  
Response: 704510828  
Conc: 36.41 ng/ml



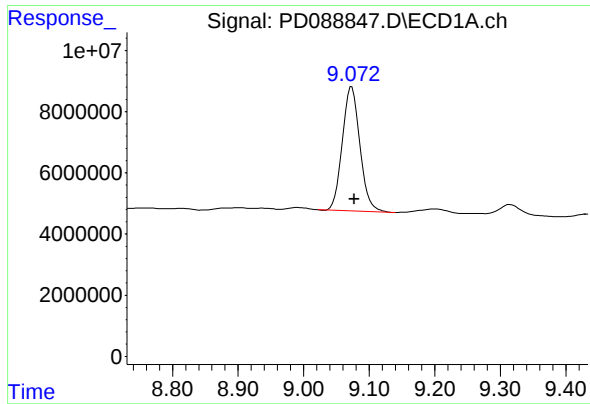
#22 Mirex

R.T.: 8.113 min  
Delta R.T.: -0.004 min  
Response: 115247863  
Conc: 44.36 ng/ml



#22 Mirex

R.T.: 7.185 min  
Delta R.T.: -0.004 min  
Response: 533491917  
Conc: 35.09 ng/ml



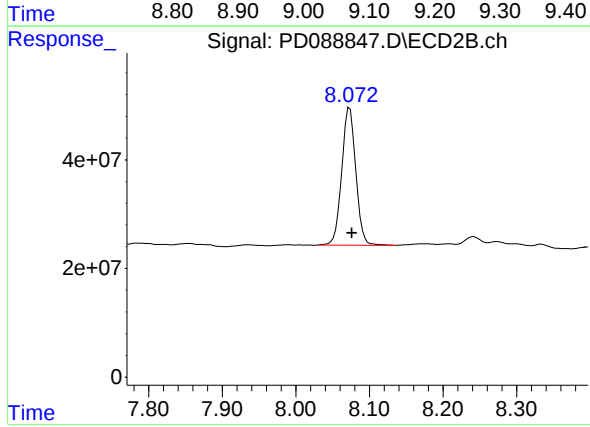
#28 Decachlorobiphenyl

R.T.: 9.073 min  
Delta R.T.: -0.004 min  
Response: 75759614  
Conc: 22.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MOO-25-0151MSD

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#28 Decachlorobiphenyl

R.T.: 8.073 min  
Delta R.T.: -0.003 min  
Response: 336145252  
Conc: 18.41 ng/ml