

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD062825\  
 Data File : PD089211.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 27 Jun 2025 23:33  
 Operator : AR\AJ  
 Sample : Q2430-01MSD  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 MH-E/FMSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 06/30/2025  
 Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 28 00:24:29 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jun 18 05:39:05 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... | 3.550 | 2.881 | 41938670 | 282.1E6  | 14.699 | 16.642  |
| 28)                         | SA Decachlor... | 9.070 | 8.070 | 57962906 | 305.2E6  | 14.758 | 15.439  |
| Target Compounds            |                 |       |       |          |          |        |         |
| 2)                          | A alpha-BHC     | 3.999 | 3.393 | 253.3E6  | 1206.7E6 | 43.450 | 45.031  |
| 3)                          | MA gamma-BHC... | 4.330 | 3.729 | 244.3E6  | 1102.3E6 | 43.767 | 44.526  |
| 4)                          | MA Heptachlor   | 4.928 | 4.082 | 229.3E6  | 1069.9E6 | 42.060 | 42.731  |
| 5)                          | MB Aldrin       | 5.270 | 4.368 | 236.7E6  | 1076.1E6 | 44.548 | 44.435  |
| 6)                          | B beta-BHC      | 4.515 | 4.025 | 97105296 | 475.0E6  | 43.996 | 44.203  |
| 7)                          | B delta-BHC     | 4.763 | 4.261 | 235.6E6  | 1107.4E6 | 45.895 | 44.523  |
| 8)                          | B Heptachlo...  | 5.689 | 4.871 | 208.5E6  | 965.8E6  | 43.221 | 44.104  |
| 9)                          | A Endosulfan I  | 6.074 | 5.246 | 195.7E6  | 926.8E6  | 43.420 | 44.467  |
| 10)                         | B gamma-Chl...  | 5.944 | 5.124 | 210.0E6  | 1057.1E6 | 43.858 | 44.189  |
| 11)                         | B alpha-Chl...  | 6.026 | 5.189 | 209.1E6  | 1009.3E6 | 43.209 | 44.078  |
| 12)                         | B 4,4'-DDE      | 6.194 | 5.374 | 189.1E6  | 1006.3E6 | 43.357 | 43.911  |
| 13)                         | MA Dieldrin     | 6.346 | 5.511 | 207.9E6  | 1020.3E6 | 43.325 | 43.963  |
| 14)                         | MA Endrin       | 6.573 | 5.788 | 171.9E6  | 938.1E6  | 41.665 | 43.202  |
| 15)                         | B Endosulfa...  | 6.784 | 6.078 | 169.7E6  | 888.9E6  | 42.047 | 44.011m |
| 16)                         | A 4,4'-DDD      | 6.703 | 5.928 | 151.7E6  | 824.7E6  | 44.213 | 43.109  |
| 17)                         | MA 4,4'-DDT     | 7.020 | 6.182 | 144.3E6  | 848.2E6  | 38.095 | 41.828  |
| 18)                         | B Endrin al...  | 6.914 | 6.256 | 129.4E6  | 654.2E6  | 42.239 | 42.730m |
| 19)                         | B Endosulfa...  | 7.148 | 6.481 | 161.3E6  | 839.0E6  | 42.027 | 42.760  |
| 20)                         | A Methoxychlor  | 7.491 | 6.753 | 72439188 | 406.3E6  | 35.850 | 37.728  |
| 21)                         | B Endrin ke...  | 7.629 | 6.990 | 173.1E6  | 935.8E6  | 42.504 | 43.322  |
| 22)                         | Mirex           | 8.112 | 7.184 | 126.8E6  | 702.4E6  | 41.706 | 42.114  |
| -----                       |                 |       |       |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD062825\  
Data File : PD089211.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 27 Jun 2025 23:33  
Operator : AR\AJ  
Sample : Q2430-01MSD  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

MH-E/FMSD

## Manual Integrations

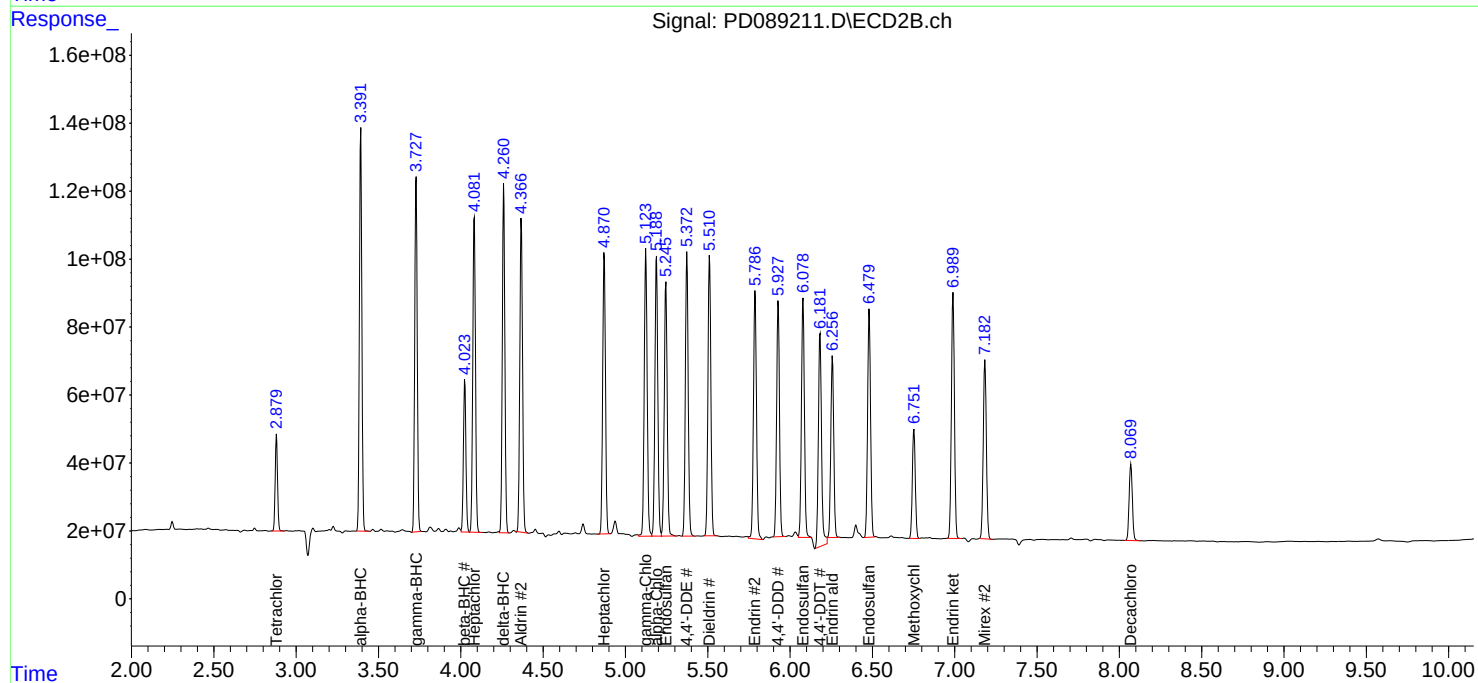
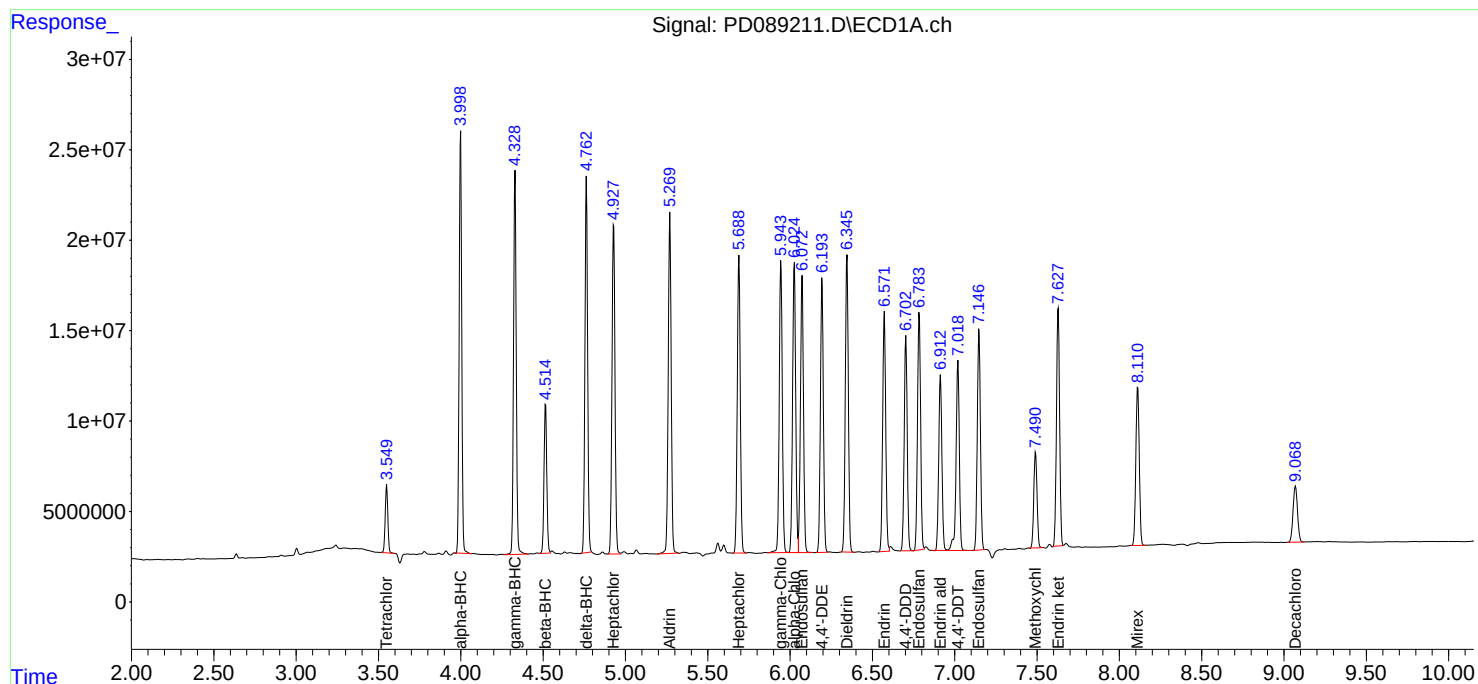
## APPROVED

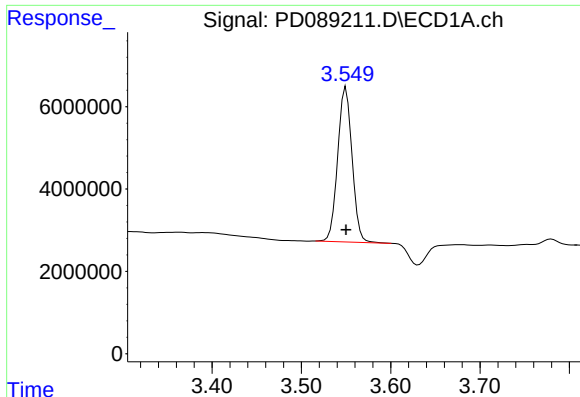
Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 28 00:24:29 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD061825.M  
Quant Title : GC Extractables  
QLast Update : Wed Jun 18 05:39:05 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





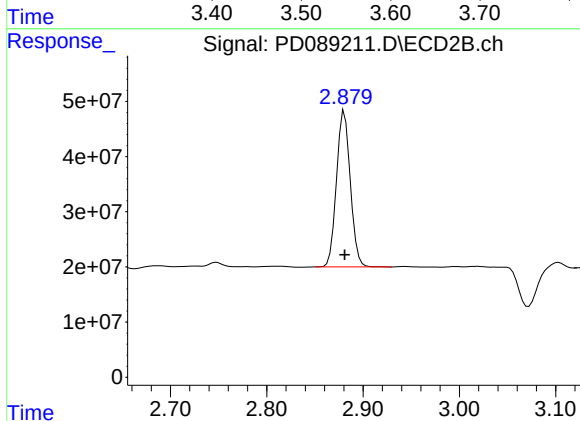
#1 Tetrachloro-m-xylene

R.T.: 3.550 min  
Delta R.T.: 0.000 min  
Response: 41938670  
Conc: 14.70 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MH-E/FMSD

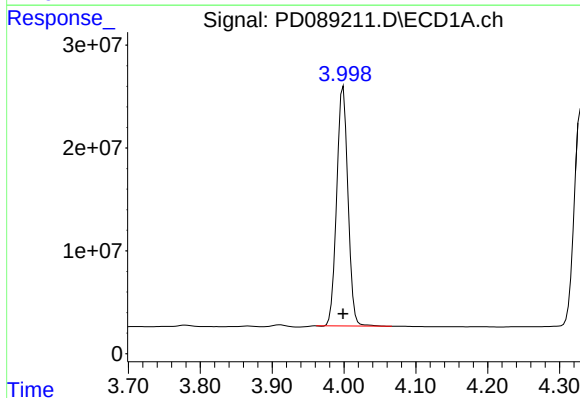
Manual Integrations  
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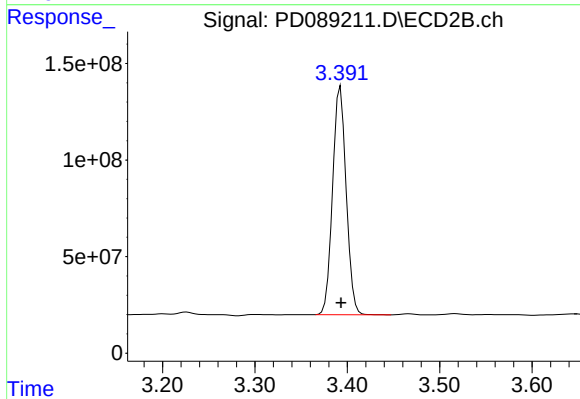
#1 Tetrachloro-m-xylene

R.T.: 2.881 min  
Delta R.T.: 0.000 min  
Response: 282138007  
Conc: 16.64 ng/ml



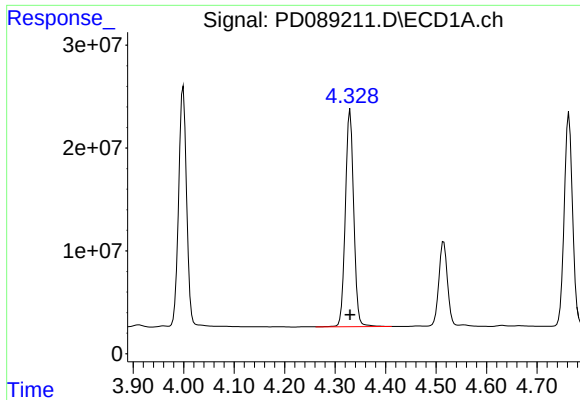
#2 alpha-BHC

R.T.: 3.999 min  
Delta R.T.: 0.000 min  
Response: 253274095  
Conc: 43.45 ng/ml



#2 alpha-BHC

R.T.: 3.393 min  
Delta R.T.: 0.000 min  
Response: 1206692733  
Conc: 45.03 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min  
Delta R.T.: 0.000 min  
Response: 244295884  
Conc: 43.77 ng/ml

Instrument :

ECD\_D

ClientSampleId :

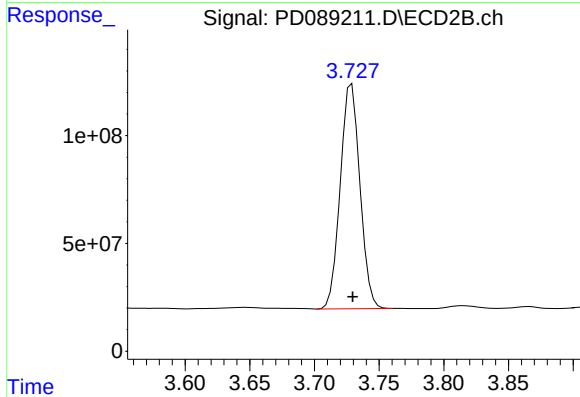
MH-E/FMSD

Manual Integrations

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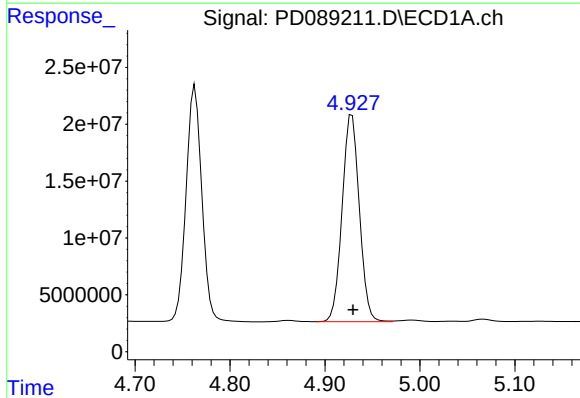
Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025



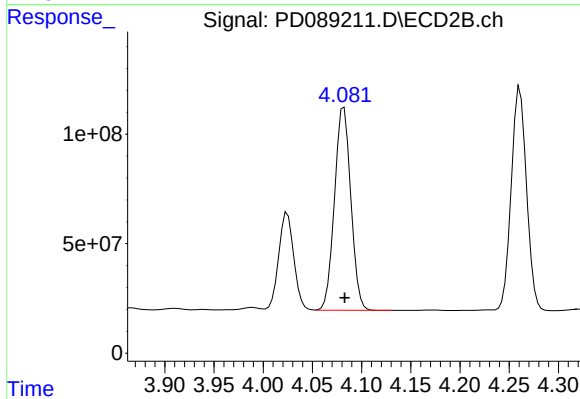
#3 gamma-BHC (Lindane)

R.T.: 3.729 min  
Delta R.T.: 0.000 min  
Response: 1102331885  
Conc: 44.53 ng/ml



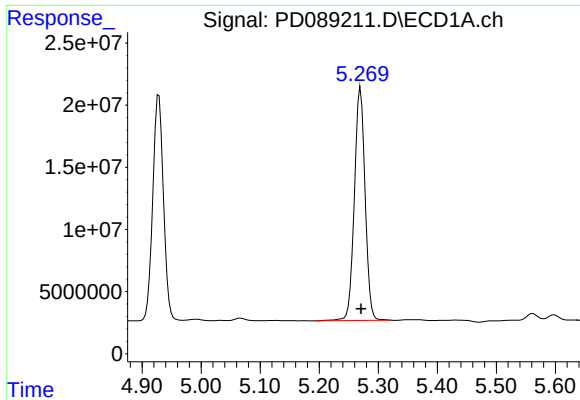
#4 Heptachlor

R.T.: 4.928 min  
Delta R.T.: -0.001 min  
Response: 229308311  
Conc: 42.06 ng/ml



#4 Heptachlor

R.T.: 4.082 min  
Delta R.T.: 0.000 min  
Response: 1069916121  
Conc: 42.73 ng/ml



#5 Aldrin

R.T.: 5.270 min  
Delta R.T.: 0.000 min  
Response: 236683070  
Conc: 44.55 ng/ml

Instrument :

ECD\_D

ClientSampleId :

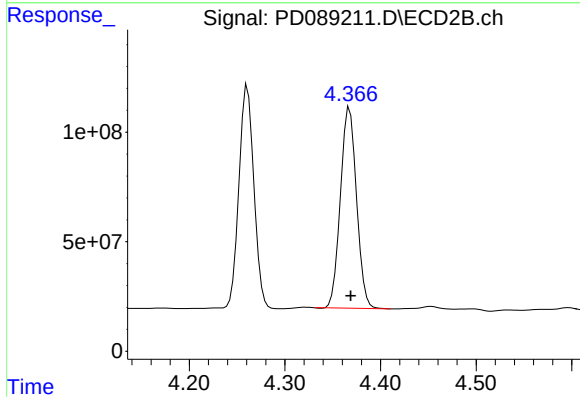
MH-E/FMSD

Manual Integrations

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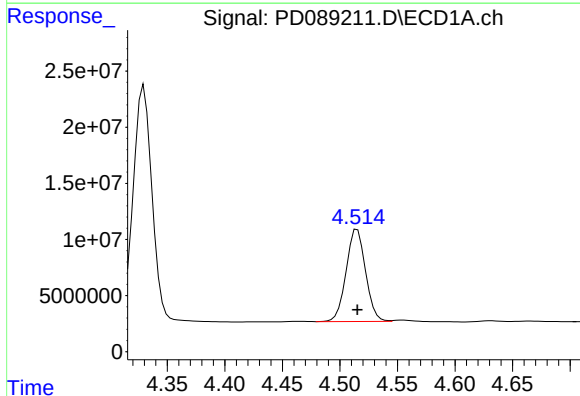
Reviewed By :Abdul Mirza 06/30/2025

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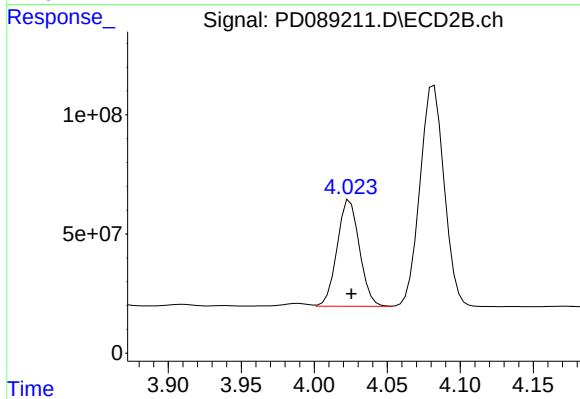
#5 Aldrin

R.T.: 4.368 min  
Delta R.T.: -0.001 min  
Response: 1076101538  
Conc: 44.44 ng/ml



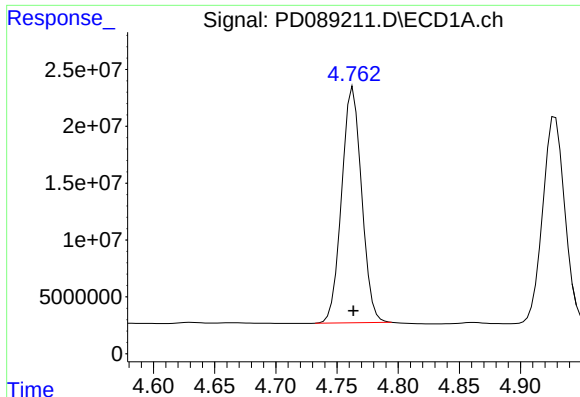
#6 beta-BHC

R.T.: 4.515 min  
Delta R.T.: 0.000 min  
Response: 97105296  
Conc: 44.00 ng/ml



#6 beta-BHC

R.T.: 4.025 min  
Delta R.T.: 0.000 min  
Response: 475018364  
Conc: 44.20 ng/ml



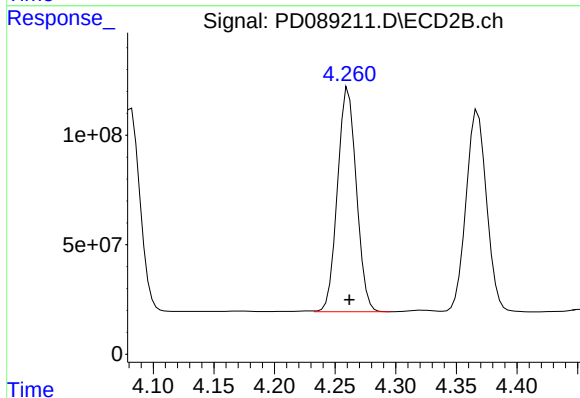
#7 delta-BHC

R.T.: 4.763 min  
Delta R.T.: 0.000 min  
Response: 235574636  
Conc: 45.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MH-E/FMSD

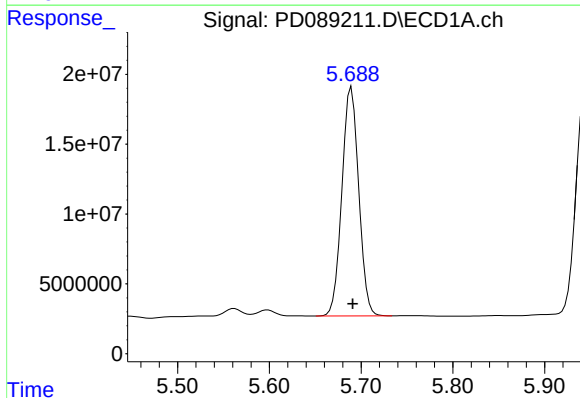
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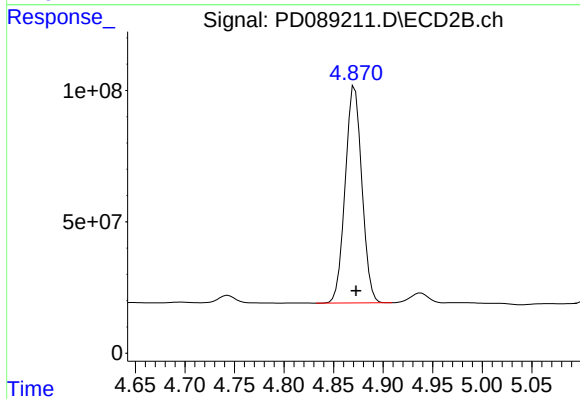
#7 delta-BHC

R.T.: 4.261 min  
Delta R.T.: 0.000 min  
Response: 1107439366  
Conc: 44.52 ng/ml



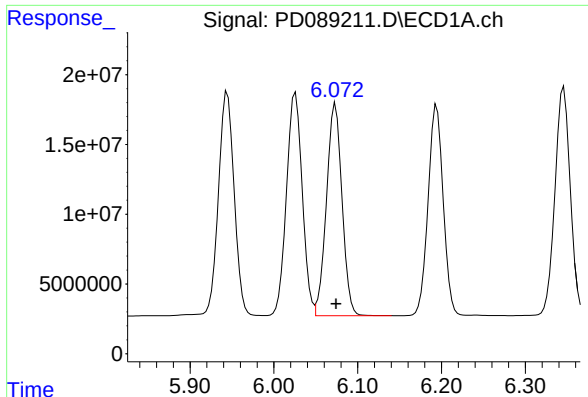
#8 Heptachlor epoxide

R.T.: 5.689 min  
Delta R.T.: -0.001 min  
Response: 208494058  
Conc: 43.22 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min  
Delta R.T.: -0.001 min  
Response: 965789926  
Conc: 44.10 ng/ml



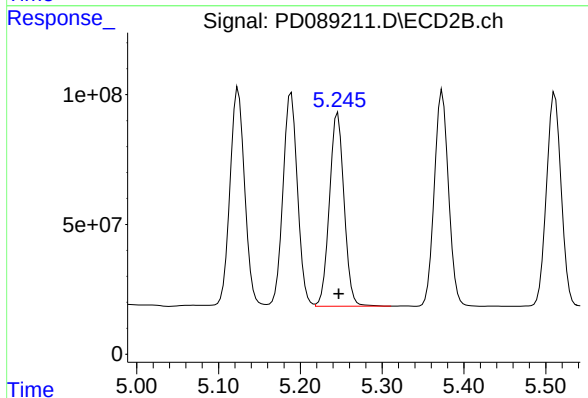
#9 Endosulfan I

R.T.: 6.074 min  
Delta R.T.: 0.000 min  
Response: 195714683  
Conc: 43.42 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MH-E/FMSD

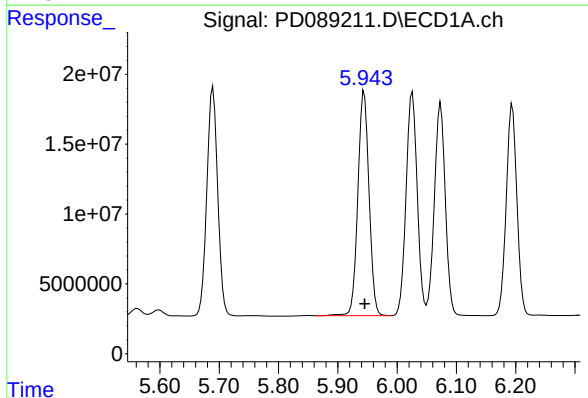
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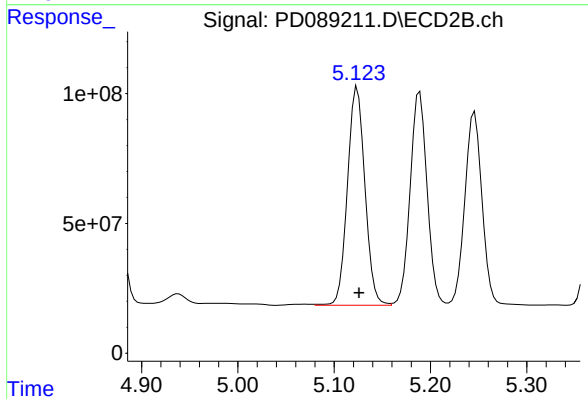
#9 Endosulfan I

R.T.: 5.246 min  
Delta R.T.: -0.001 min  
Response: 926800714  
Conc: 44.47 ng/ml



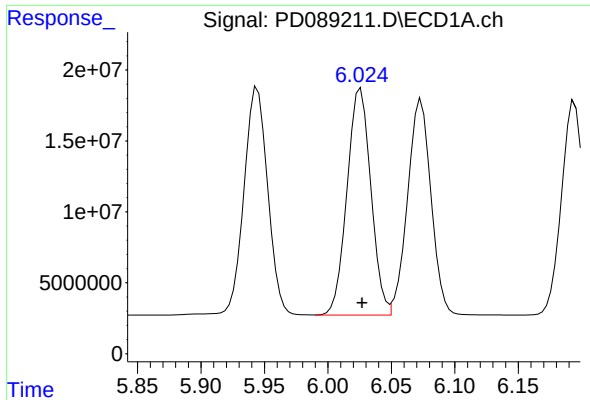
#10 gamma-Chlordane

R.T.: 5.944 min  
Delta R.T.: -0.001 min  
Response: 209998988  
Conc: 43.86 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min  
Delta R.T.: -0.002 min  
Response: 1057111180  
Conc: 44.19 ng/ml



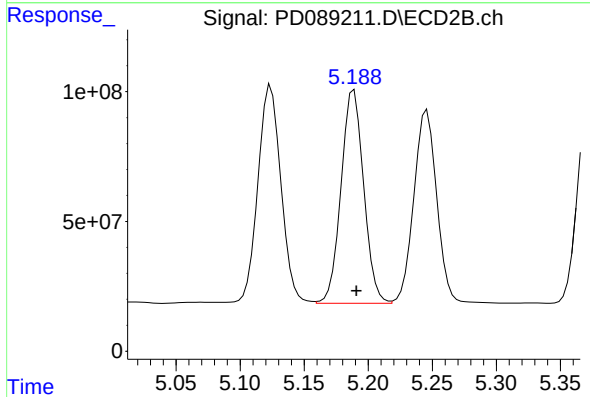
#11 alpha-Chlordane

R.T.: 6.026 min  
Delta R.T.: -0.001 min  
Response: 209070323  
Conc: 43.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MH-E/FMSD

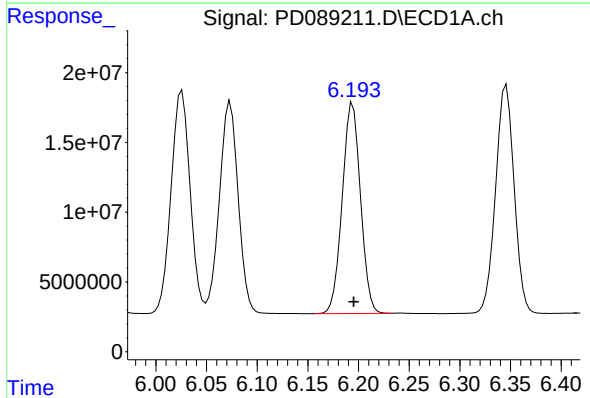
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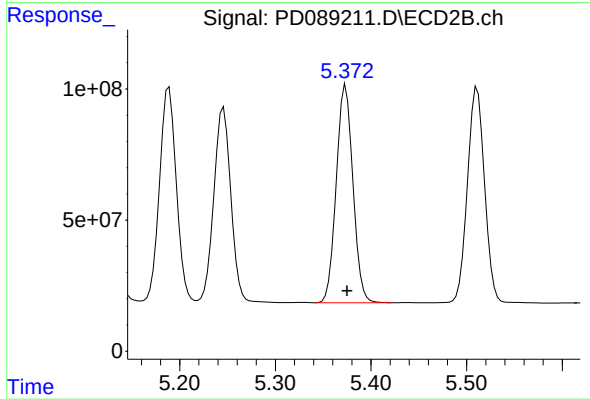
#11 alpha-Chlordane

R.T.: 5.189 min  
Delta R.T.: -0.002 min  
Response: 1009256320  
Conc: 44.08 ng/ml



#12 4,4'-DDE

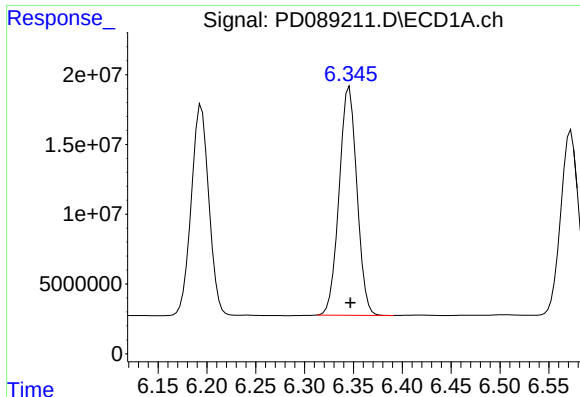
R.T.: 6.194 min  
Delta R.T.: 0.000 min  
Response: 189079821  
Conc: 43.36 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min  
Delta R.T.: -0.002 min  
Response: 1006273014  
Conc: 43.91 ng/ml





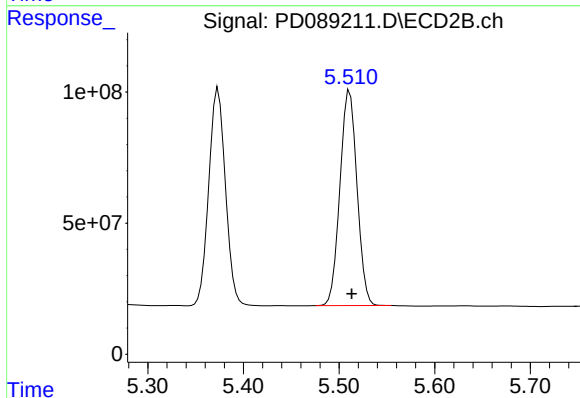
#13 Dieldrin

R.T.: 6.346 min  
Delta R.T.: -0.001 min  
Response: 207850063  
Conc: 43.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MH-E/FMSD

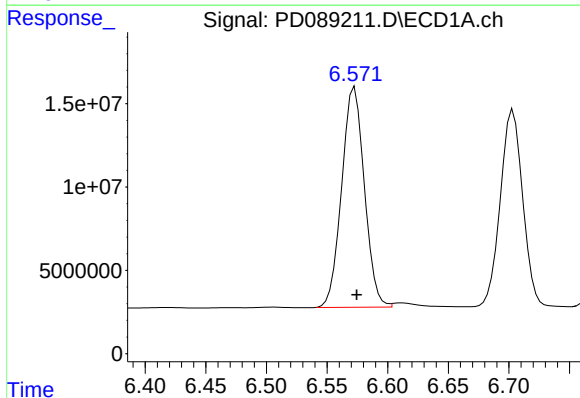
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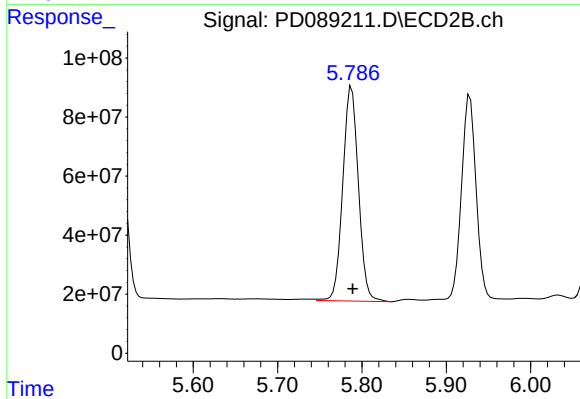
#13 Dieldrin

R.T.: 5.511 min  
Delta R.T.: -0.002 min  
Response: 1020321891  
Conc: 43.96 ng/ml



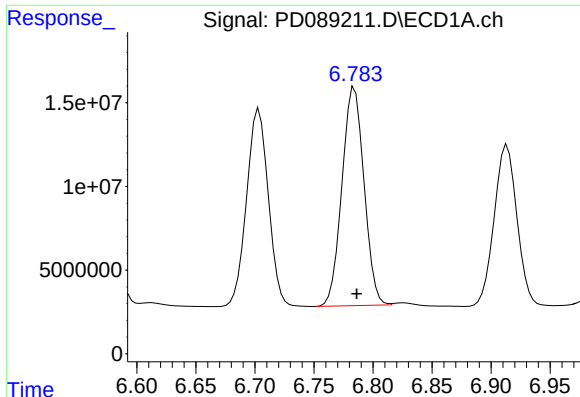
#14 Endrin

R.T.: 6.573 min  
Delta R.T.: -0.002 min  
Response: 171891043  
Conc: 41.66 ng/ml



#14 Endrin

R.T.: 5.788 min  
Delta R.T.: -0.001 min  
Response: 938080029  
Conc: 43.20 ng/ml



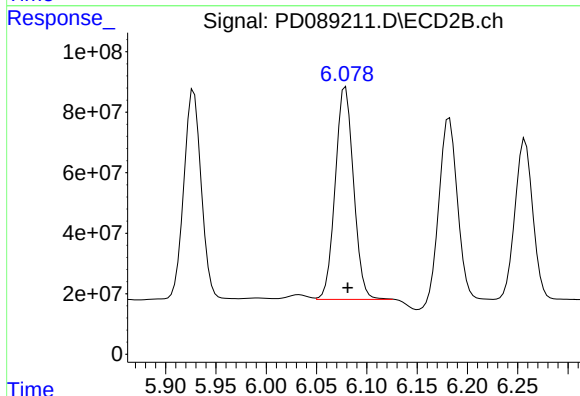
#15 Endosulfan II

R.T.: 6.784 min  
Delta R.T.: -0.002 min  
Response: 169726326  
Conc: 42.05 ng/ml

Instrument :  
ECD\_D  
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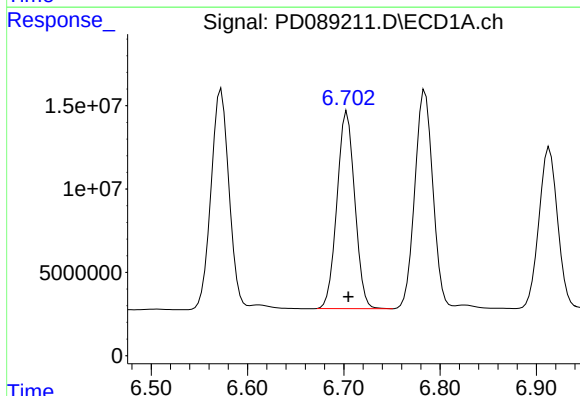
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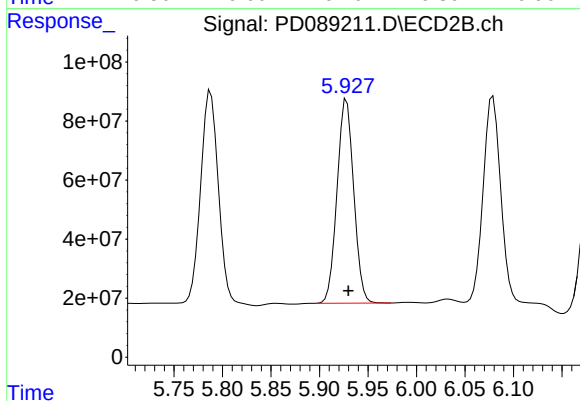
#15 Endosulfan II

R.T.: 6.078 min  
Delta R.T.: -0.003 min  
Response: 888865353  
Conc: 44.01 ng/ml m



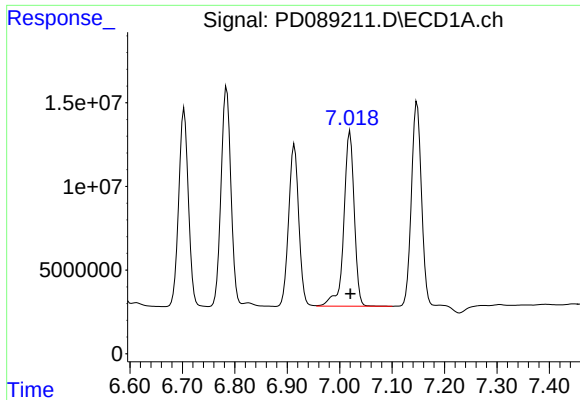
#16 4,4'-DDD

R.T.: 6.703 min  
Delta R.T.: -0.001 min  
Response: 151742884  
Conc: 44.21 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min  
Delta R.T.: -0.002 min  
Response: 824652442  
Conc: 43.11 ng/ml



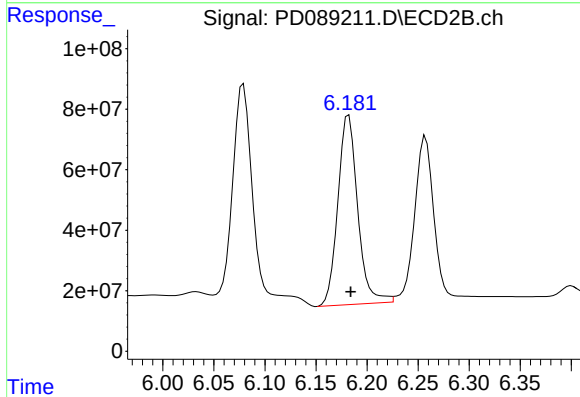
#17 4,4'-DDT

R.T.: 7.020 min  
Delta R.T.: 0.000 min  
Response: 144310314  
Conc: 38.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MH-E/FMSD

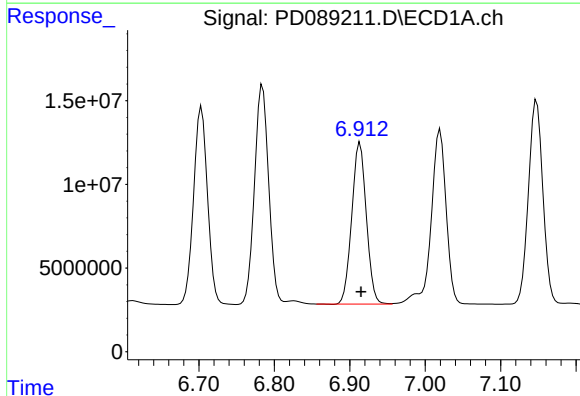
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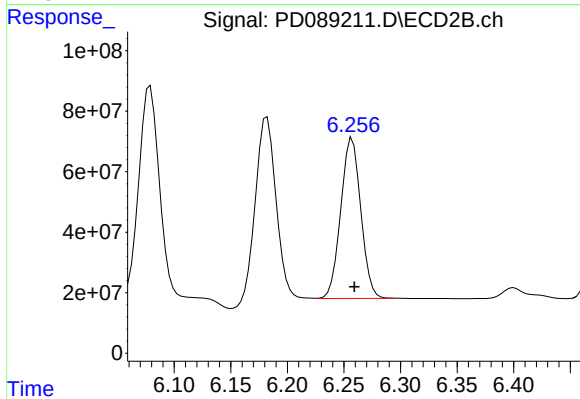
#17 4,4'-DDT

R.T.: 6.182 min  
Delta R.T.: -0.002 min  
Response: 848235448  
Conc: 41.83 ng/ml



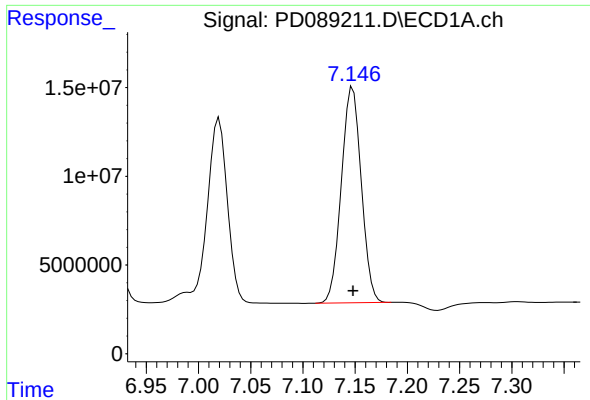
#18 Endrin aldehyde

R.T.: 6.914 min  
Delta R.T.: -0.001 min  
Response: 129416585  
Conc: 42.24 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min  
Delta R.T.: -0.003 min  
Response: 654248373  
Conc: 42.73 ng/ml m



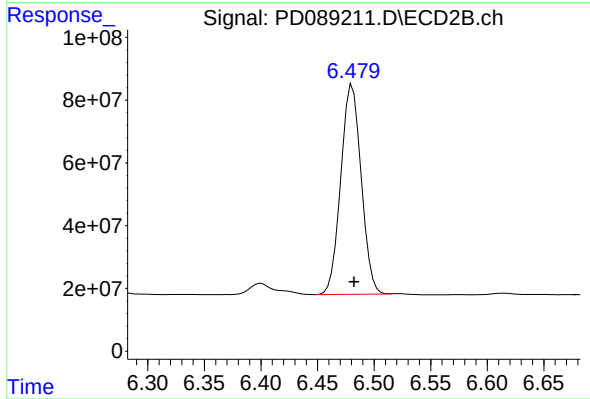
#19 Endosulfan Sulfate

R.T.: 7.148 min  
Delta R.T.: 0.000 min  
Response: 161268456  
Conc: 42.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MH-E/FMSD

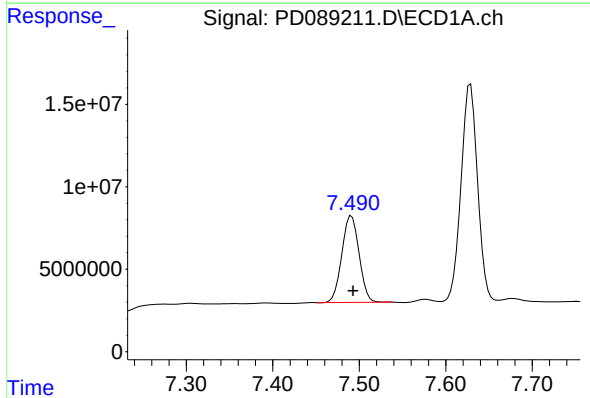
Manual Integrations  
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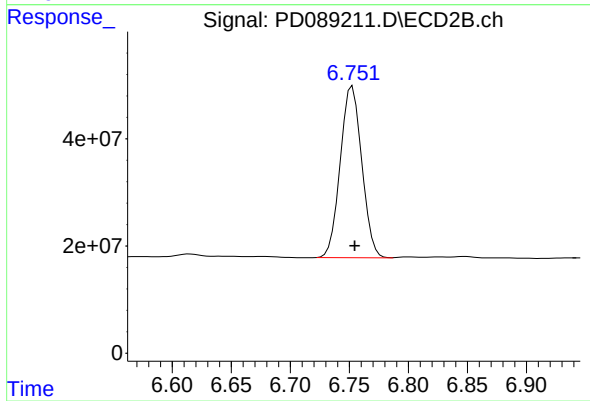
#19 Endosulfan Sulfate

R.T.: 6.481 min  
Delta R.T.: -0.002 min  
Response: 838993792  
Conc: 42.76 ng/ml



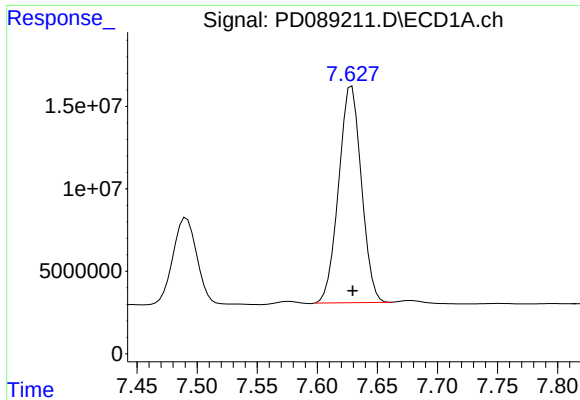
#20 Methoxychlor

R.T.: 7.491 min  
Delta R.T.: -0.002 min  
Response: 72439188  
Conc: 35.85 ng/ml



#20 Methoxychlor

R.T.: 6.753 min  
Delta R.T.: -0.002 min  
Response: 406253496  
Conc: 37.73 ng/ml



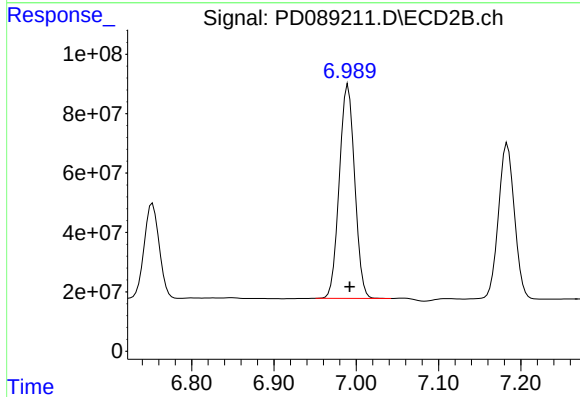
#21 Endrin ketone

R.T.: 7.629 min  
Delta R.T.: 0.000 min  
Response: 173121655  
Conc: 42.50 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MH-E/FMSD

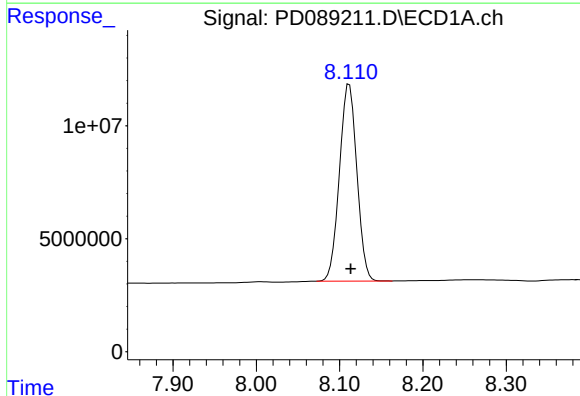
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



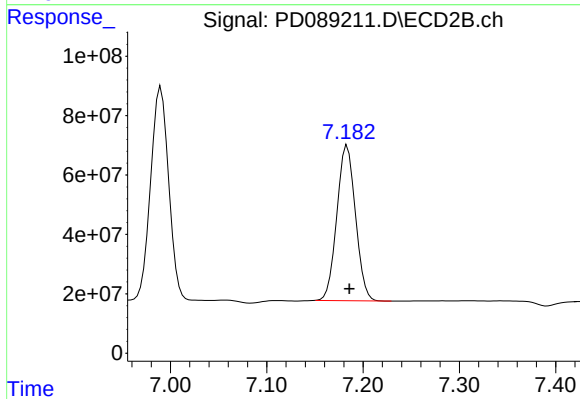
#21 Endrin ketone

R.T.: 6.990 min  
Delta R.T.: -0.002 min  
Response: 935834673  
Conc: 43.32 ng/ml



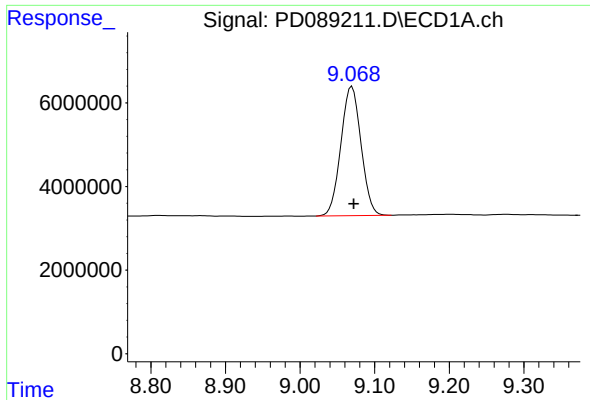
#22 Mirex

R.T.: 8.112 min  
Delta R.T.: -0.002 min  
Response: 126791262  
Conc: 41.71 ng/ml



#22 Mirex

R.T.: 7.184 min  
Delta R.T.: -0.002 min  
Response: 702379758  
Conc: 42.11 ng/ml



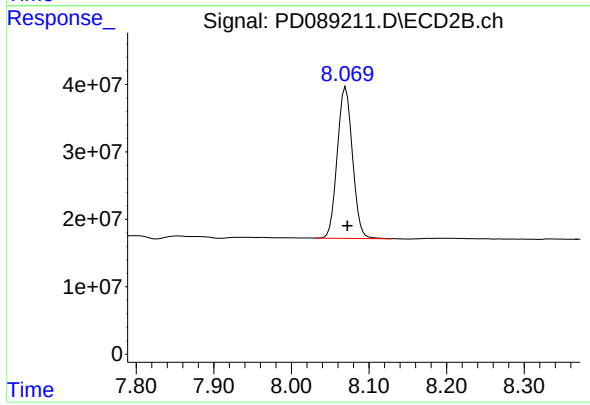
#28 Decachlorobiphenyl

R.T.: 9.070 min  
Delta R.T.: -0.002 min  
Response: 57962906  
Conc: 14.76 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MH-E/FMSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/30/2025  
Supervised By :mohammad ahmed 07/01/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min  
Delta R.T.: -0.002 min  
Response: 305230104  
Conc: 15.44 ng/ml