

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090825\  
 Data File : PD090187.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Sep 2025 14:16  
 Operator : AR\AJ  
 Sample : Q3023-04MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 TP-2MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 09/09/2025  
 Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 09 01:41:29 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

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|----------|
| -----                       |                 |       |       |          |          |         |          |
| System Monitoring Compounds |                 |       |       |          |          |         |          |
| 1)                          | SA Tetrachlo... | 3.547 | 2.876 | 52355519 | 423.8E6  | 17.839m | 19.219m  |
| 2)                          | SA Decachlor... | 9.066 | 8.061 | 62107084 | 369.3E6  | 14.390  | 14.268m  |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.998 | 3.387 | 315.3E6  | 1763.1E6 | 52.526  | 51.950m  |
| 3)                          | MA gamma-BHC... | 4.328 | 3.725 | 308.4E6  | 1620.8E6 | 53.846  | 51.997   |
| 4)                          | MA Heptachlor   | 4.927 | 4.077 | 286.3E6  | 1589.5E6 | 51.040  | 50.959   |
| 5)                          | MB Aldrin       | 5.268 | 4.362 | 286.4E6  | 1583.9E6 | 52.887  | 52.007   |
| 6)                          | B beta-BHC      | 4.515 | 4.021 | 118.7E6  | 698.0E6  | 52.907  | 52.361   |
| 7)                          | B delta-BHC     | 4.763 | 4.257 | 236.7E6  | 1341.5E6 | 45.710  | 42.520   |
| 8)                          | B Heptachlo...  | 5.688 | 4.866 | 256.9E6  | 1418.3E6 | 52.362  | 51.211   |
| 9)                          | A Endosulfan I  | 6.071 | 5.240 | 240.8E6  | 1248.2E6 | 52.171  | 47.600   |
| 10)                         | B gamma-Chl...  | 5.941 | 5.119 | 259.7E6  | 1598.5E6 | 53.104m | 53.983   |
| 11)                         | B alpha-Chl...  | 6.024 | 5.184 | 262.0E6  | 1507.9E6 | 53.230  | 52.840   |
| 12)                         | B 4,4'-DDE      | 6.193 | 5.368 | 250.3E6  | 1628.8E6 | 57.042  | 56.510   |
| 13)                         | MA Dieldrin     | 6.344 | 5.506 | 267.3E6  | 1615.2E6 | 54.603  | 55.149   |
| 14)                         | MA Endrin       | 6.571 | 5.783 | 211.7E6  | 1364.4E6 | 51.101  | 51.232   |
| 15)                         | B Endosulfa...  | 6.783 | 6.072 | 198.2E6  | 1332.1E6 | 46.974  | 52.663m  |
| 16)                         | A 4,4'-DDD      | 6.702 | 5.922 | 191.9E6  | 1177.6E6 | 55.467  | 48.979   |
| 17)                         | MA 4,4'-DDT     | 7.018 | 6.176 | 217.5E6  | 1479.3E6 | 57.102  | 59.006   |
| 18)                         | B Endrin al...  | 6.912 | 6.252 | 156.3E6  | 987.2E6  | 54.516  | 57.330   |
| 19)                         | B Endosulfa...  | 7.146 | 6.475 | 186.7E6  | 1254.8E6 | 47.650  | 51.469   |
| 20)                         | A Methoxychlor  | 7.490 | 6.745 | 82808812 | 757.6E6  | 41.288  | 58.751 # |
| 21)                         | B Endrin ke...  | 7.627 | 6.984 | 221.3E6  | 1274.9E6 | 53.393  | 47.847   |
| 22)                         | Mirex           | 8.108 | 7.177 | 142.0E6  | 920.8E6  | 45.021m | 44.577   |
| -----                       |                 |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD090825\  
Data File : PD090187.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Sep 2025 14:16  
Operator : AR\AJ  
Sample : Q3023-04MS  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

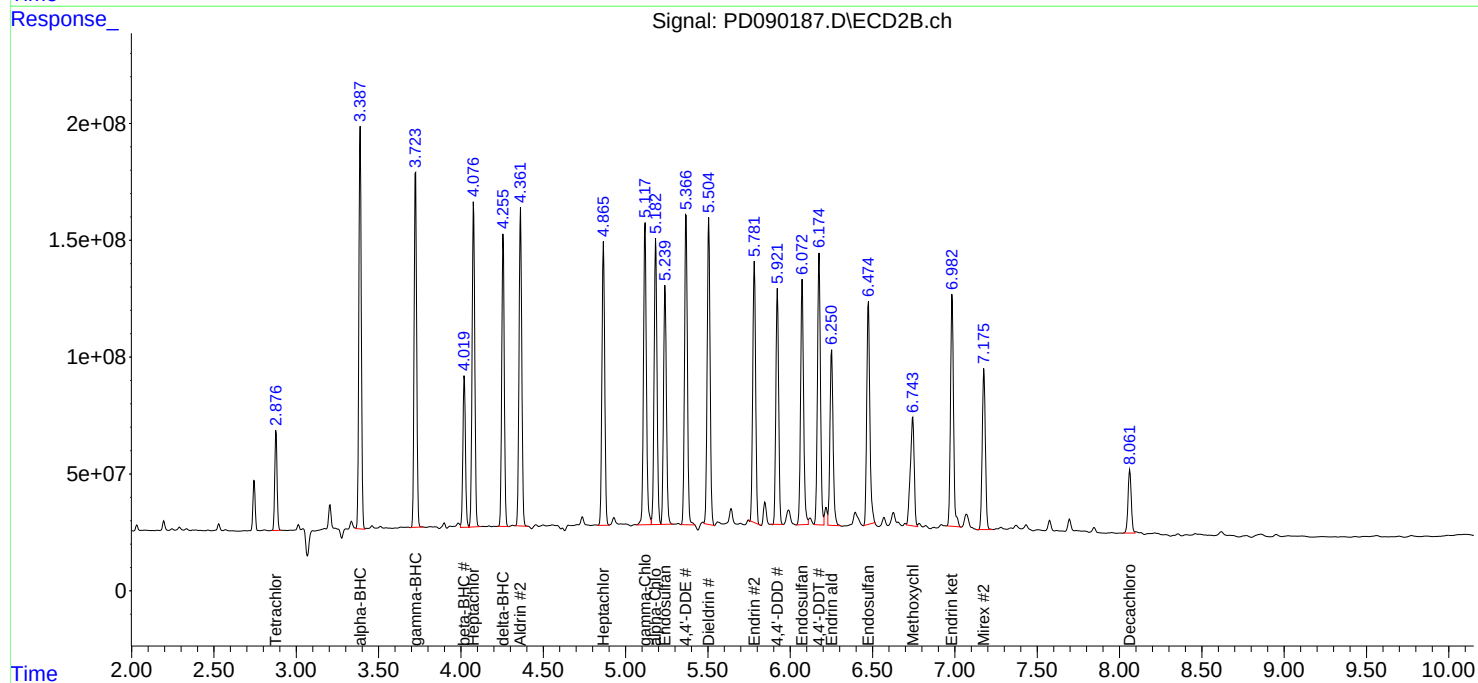
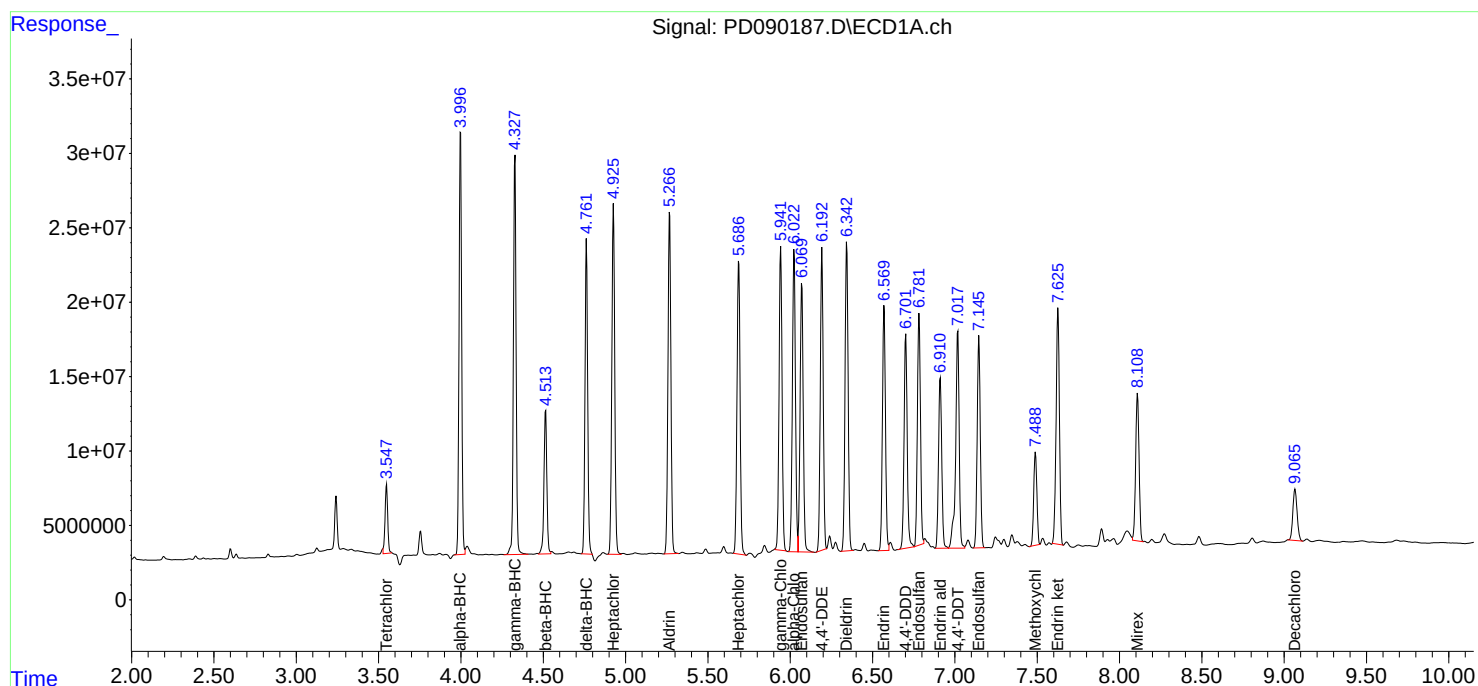
Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

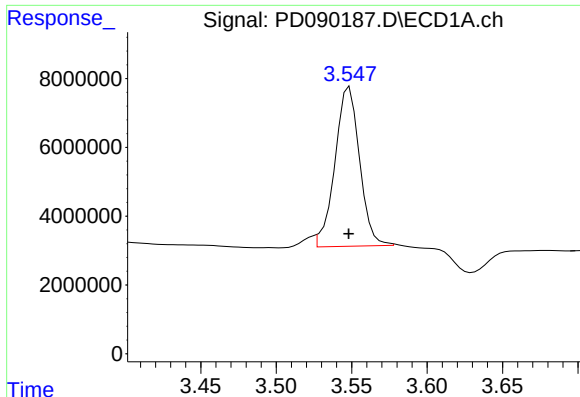
Manual Integrations  
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Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 09 01:41:29 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





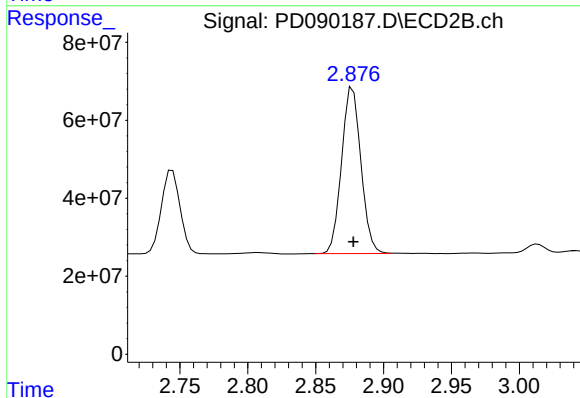
#1 Tetrachloro-m-xylene

R.T.: 3.547 min  
Delta R.T.: 0.000 min  
Response: 52355519  
Conc: 17.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

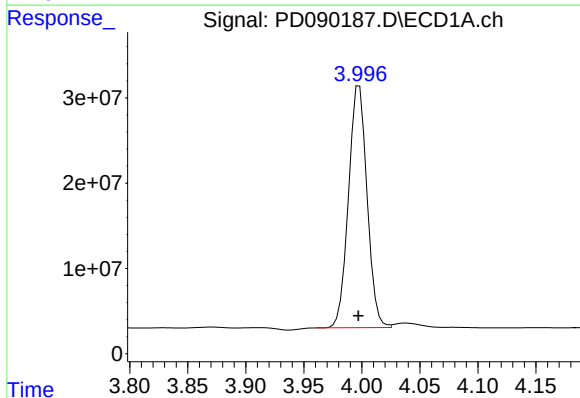
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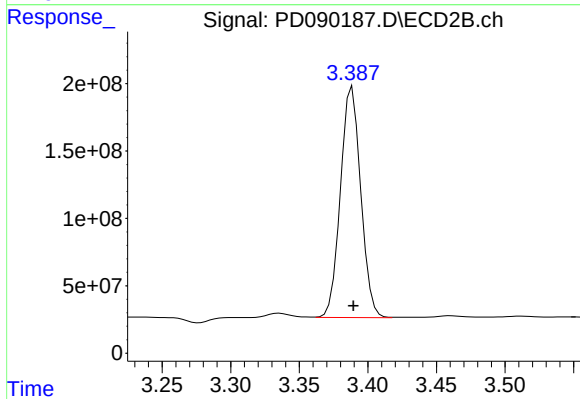
#1 Tetrachloro-m-xylene

R.T.: 2.876 min  
Delta R.T.: -0.002 min  
Response: 423787579  
Conc: 19.22 ng/ml m



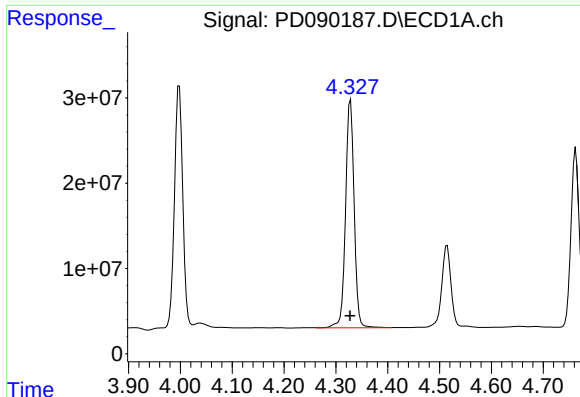
#2 alpha-BHC

R.T.: 3.998 min  
Delta R.T.: 0.000 min  
Response: 315273707  
Conc: 52.53 ng/ml



#2 alpha-BHC

R.T.: 3.387 min  
Delta R.T.: -0.002 min  
Response: 1763106199  
Conc: 51.95 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.328 min  
Delta R.T.: 0.000 min  
Response: 308368510  
Conc: 53.85 ng/ml

Instrument :

ECD\_D

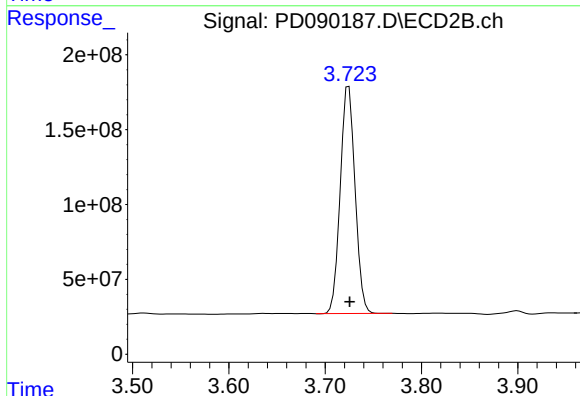
ClientSampleId :

TP-2MS

Manual Integrations

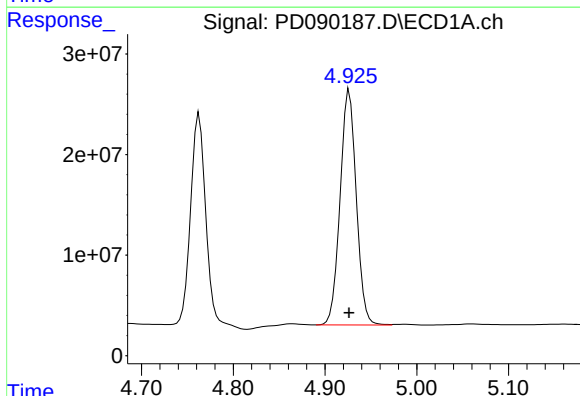
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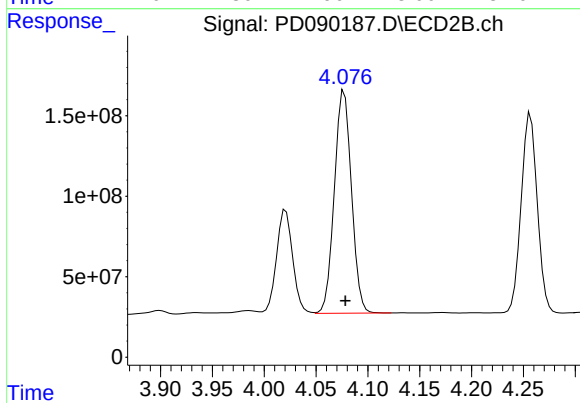
#3 gamma-BHC (Lindane)

R.T.: 3.725 min  
Delta R.T.: 0.000 min  
Response: 1620794330  
Conc: 52.00 ng/ml



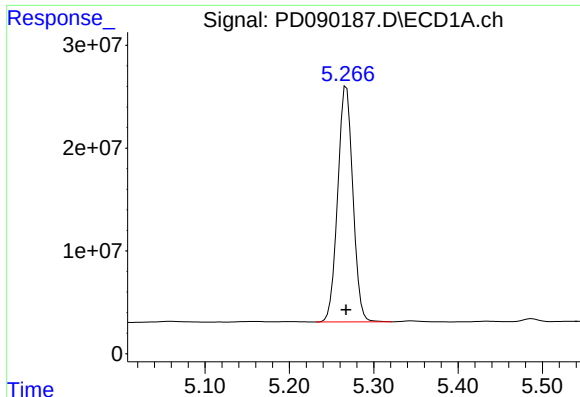
#4 Heptachlor

R.T.: 4.927 min  
Delta R.T.: 0.000 min  
Response: 286290255  
Conc: 51.04 ng/ml



#4 Heptachlor

R.T.: 4.077 min  
Delta R.T.: -0.001 min  
Response: 1589498501  
Conc: 50.96 ng/ml



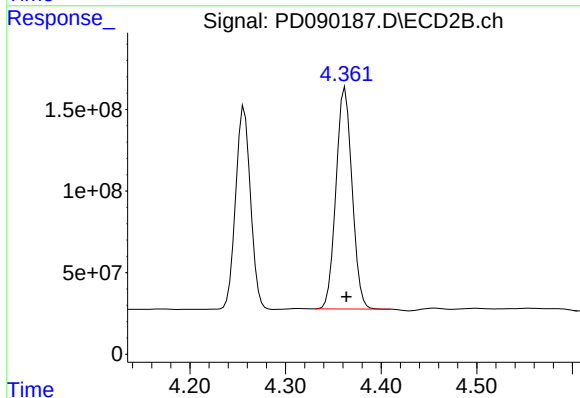
#5 Aldrin

R.T.: 5.268 min  
Delta R.T.: 0.000 min  
Response: 286359384  
Conc: 52.89 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

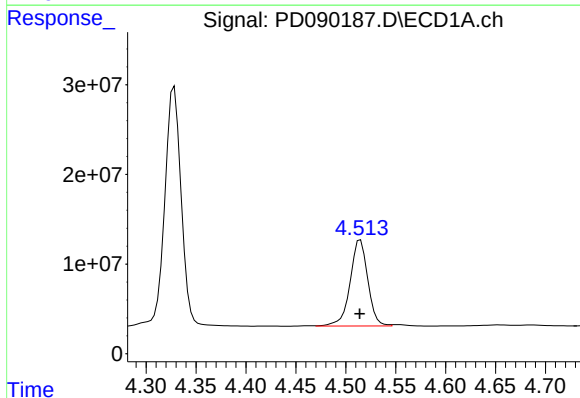
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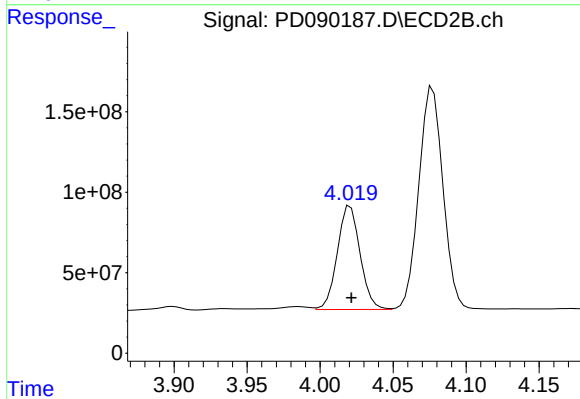
#5 Aldrin

R.T.: 4.362 min  
Delta R.T.: -0.001 min  
Response: 1583921940  
Conc: 52.01 ng/ml



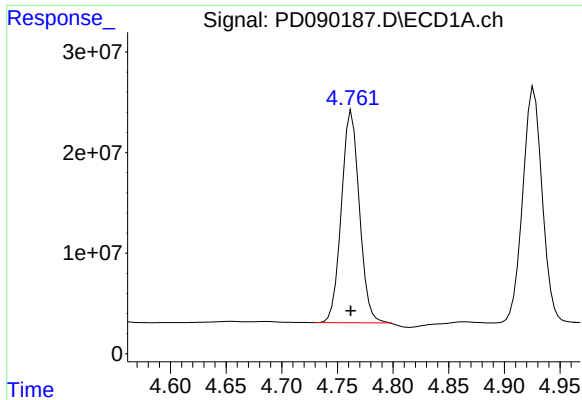
#6 beta-BHC

R.T.: 4.515 min  
Delta R.T.: 0.000 min  
Response: 118670818  
Conc: 52.91 ng/ml



#6 beta-BHC

R.T.: 4.021 min  
Delta R.T.: 0.000 min  
Response: 697975877  
Conc: 52.36 ng/ml



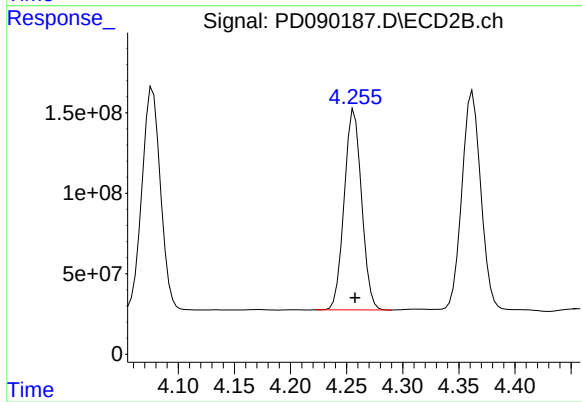
#7 delta-BHC

R.T.: 4.763 min  
Delta R.T.: 0.000 min  
Response: 236672689  
Conc: 45.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

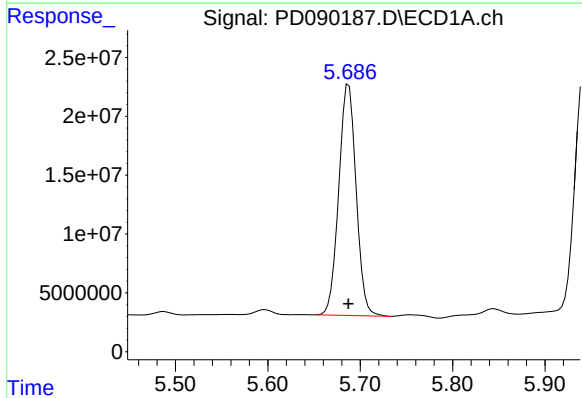
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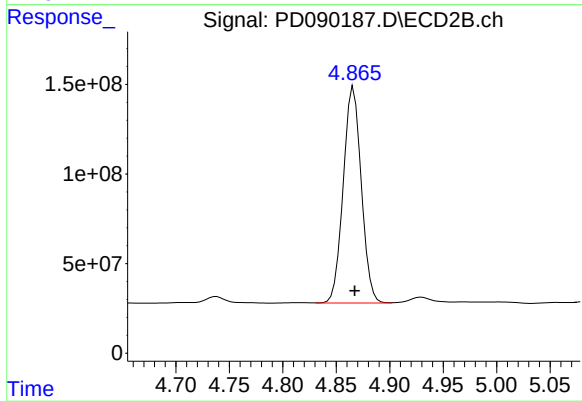
#7 delta-BHC

R.T.: 4.257 min  
Delta R.T.: 0.000 min  
Response: 1341494386  
Conc: 42.52 ng/ml



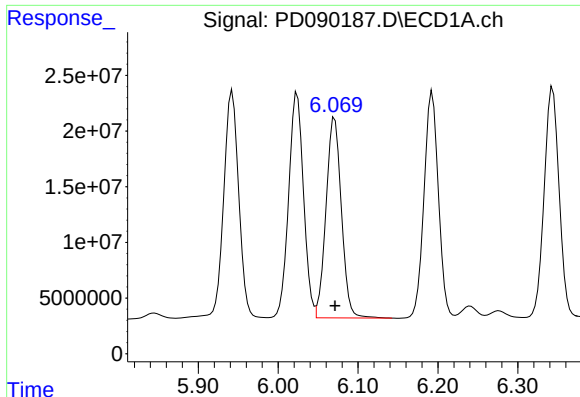
#8 Heptachlor epoxide

R.T.: 5.688 min  
Delta R.T.: 0.000 min  
Response: 256930868  
Conc: 52.36 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min  
Delta R.T.: 0.000 min  
Response: 1418283752  
Conc: 51.21 ng/ml



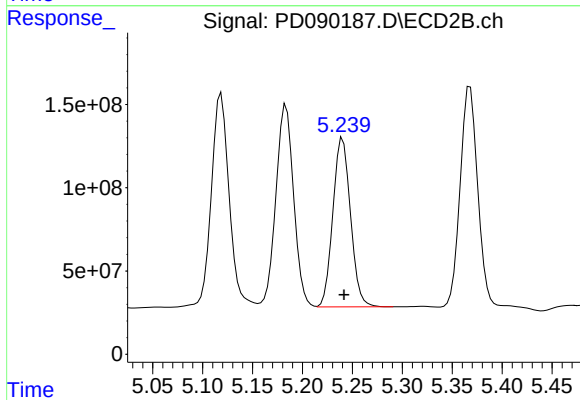
#9 Endosulfan I

R.T.: 6.071 min  
Delta R.T.: 0.000 min  
Response: 240763138  
Conc: 52.17 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

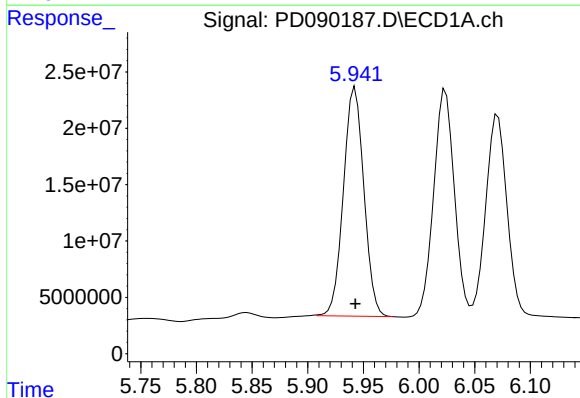
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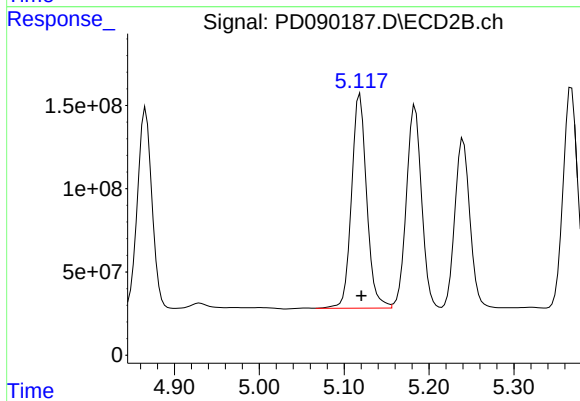
#9 Endosulfan I

R.T.: 5.240 min  
Delta R.T.: -0.001 min  
Response: 1248159041  
Conc: 47.60 ng/ml



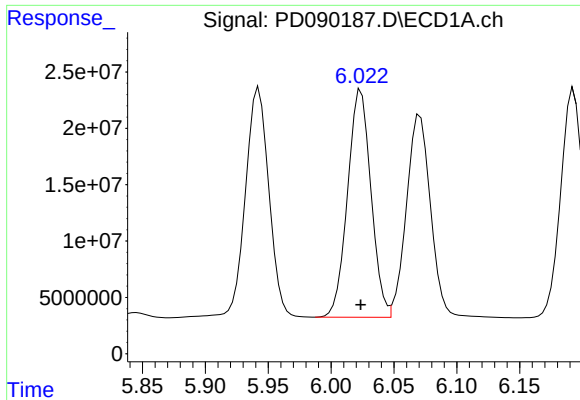
#10 gamma-Chlordane

R.T.: 5.941 min  
Delta R.T.: -0.002 min  
Response: 259732990  
Conc: 53.10 ng/ml m



#10 gamma-Chlordane

R.T.: 5.119 min  
Delta R.T.: -0.002 min  
Response: 1598494538  
Conc: 53.98 ng/ml



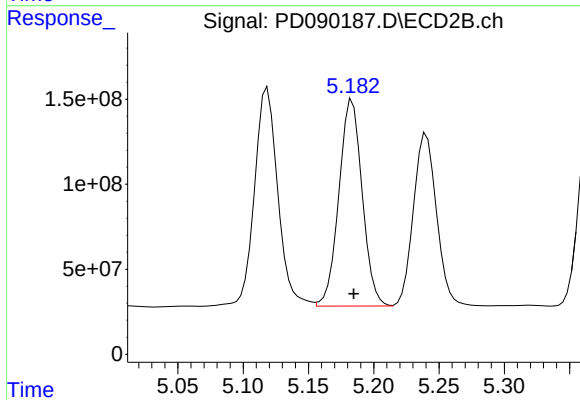
#11 alpha-Chlordane

R.T.: 6.024 min  
Delta R.T.: 0.000 min  
Response: 262021482  
Conc: 53.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

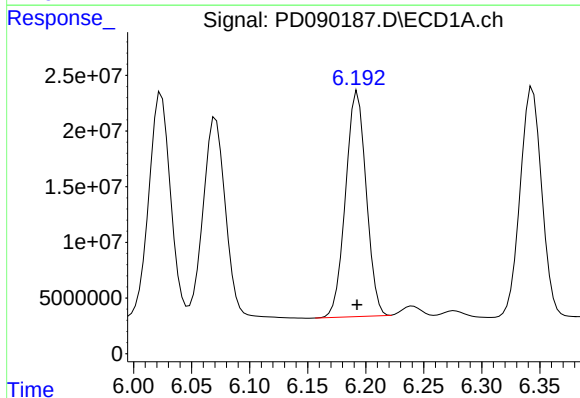
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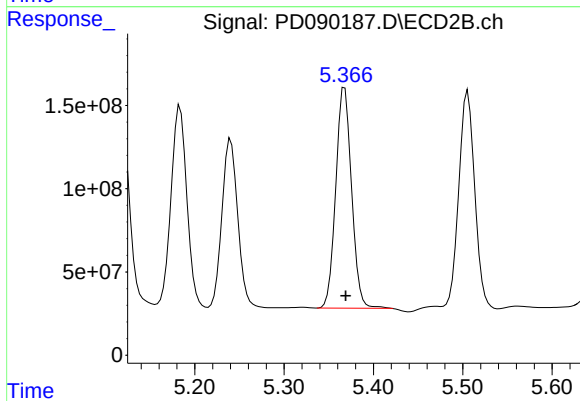
#11 alpha-Chlordane

R.T.: 5.184 min  
Delta R.T.: -0.001 min  
Response: 1507941982  
Conc: 52.84 ng/ml



#12 4,4'-DDE

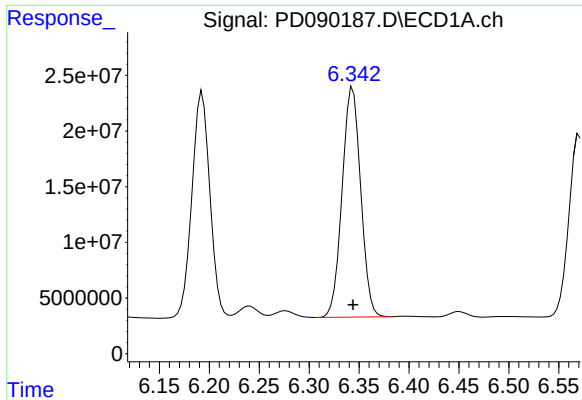
R.T.: 6.193 min  
Delta R.T.: 0.000 min  
Response: 250317519  
Conc: 57.04 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min  
Delta R.T.: -0.001 min  
Response: 1628779512  
Conc: 56.51 ng/ml





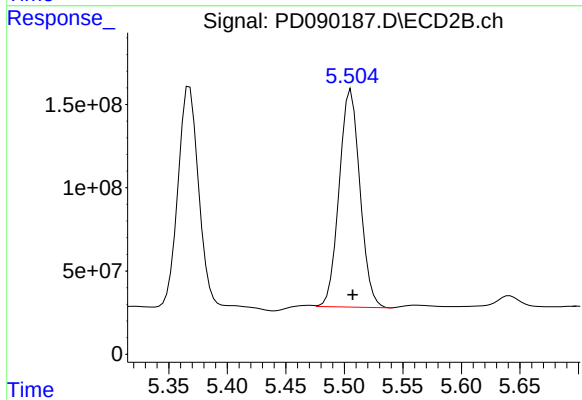
#13 Dieldrin

R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 267322288  
Conc: 54.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

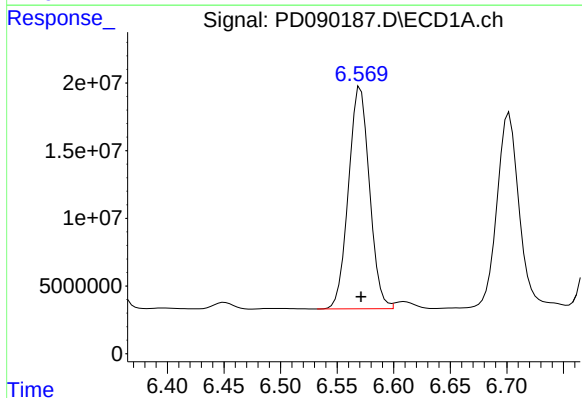
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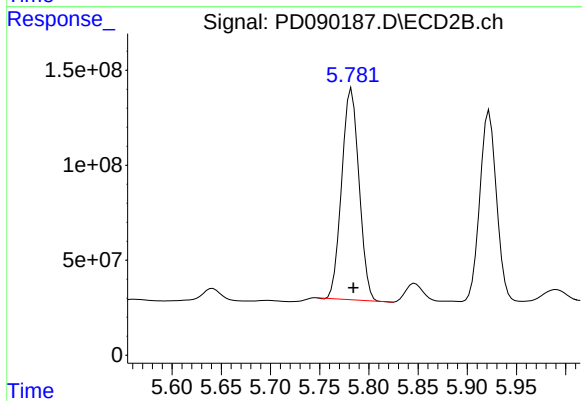
#13 Dieldrin

R.T.: 5.506 min  
Delta R.T.: -0.002 min  
Response: 1615154111  
Conc: 55.15 ng/ml



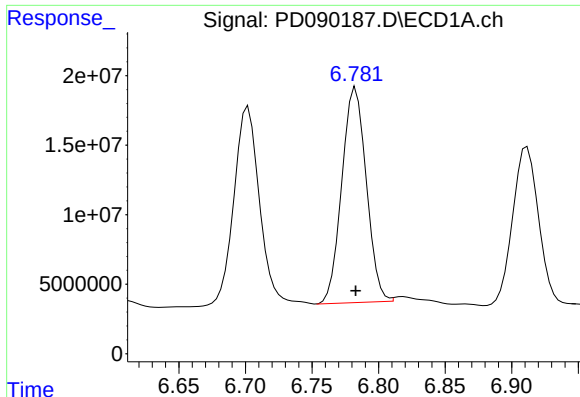
#14 Endrin

R.T.: 6.571 min  
Delta R.T.: 0.000 min  
Response: 211741685  
Conc: 51.10 ng/ml



#14 Endrin

R.T.: 5.783 min  
Delta R.T.: -0.002 min  
Response: 1364431673  
Conc: 51.23 ng/ml



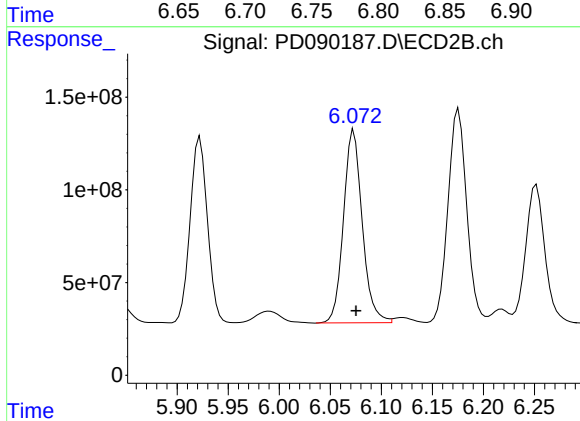
#15 Endosulfan II

R.T.: 6.783 min  
Delta R.T.: 0.000 min  
Response: 198216173  
Conc: 46.97 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

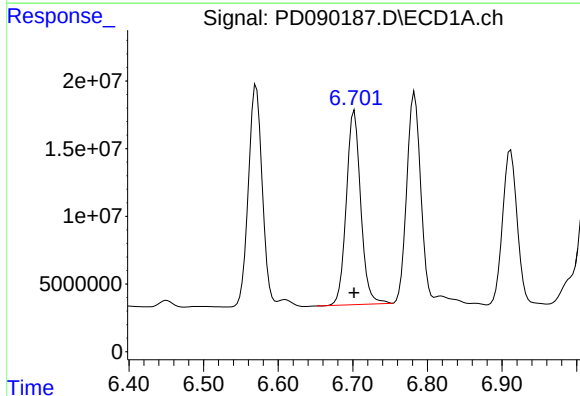
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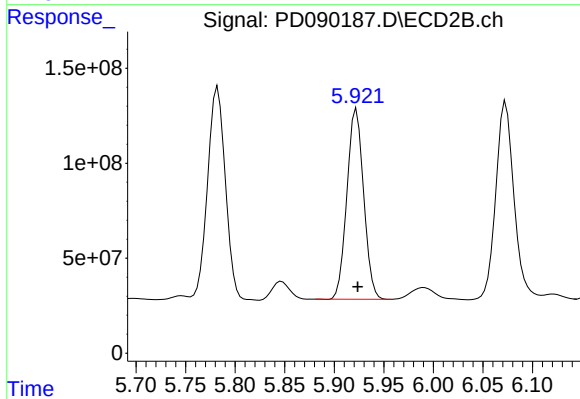
#15 Endosulfan II

R.T.: 6.072 min  
Delta R.T.: -0.004 min  
Response: 1332083442  
Conc: 52.66 ng/ml m



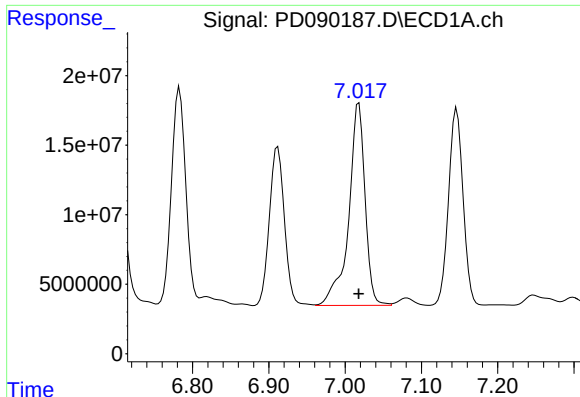
#16 4,4'-DDD

R.T.: 6.702 min  
Delta R.T.: 0.000 min  
Response: 191867032  
Conc: 55.47 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min  
Delta R.T.: -0.001 min  
Response: 1177635780  
Conc: 48.98 ng/ml



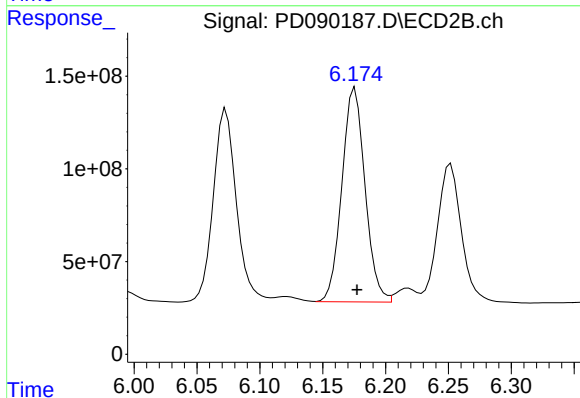
#17 4,4'-DDT

R.T.: 7.018 min  
Delta R.T.: 0.000 min  
Response: 217542451  
Conc: 57.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

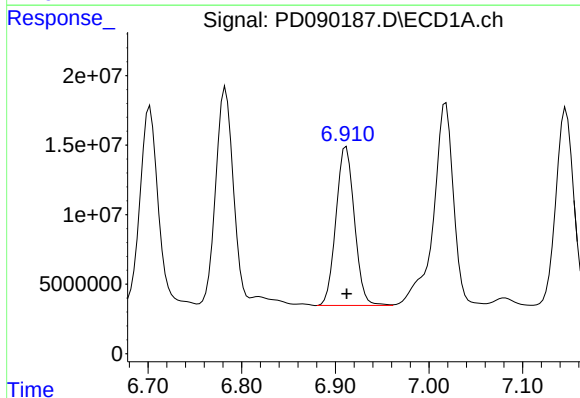
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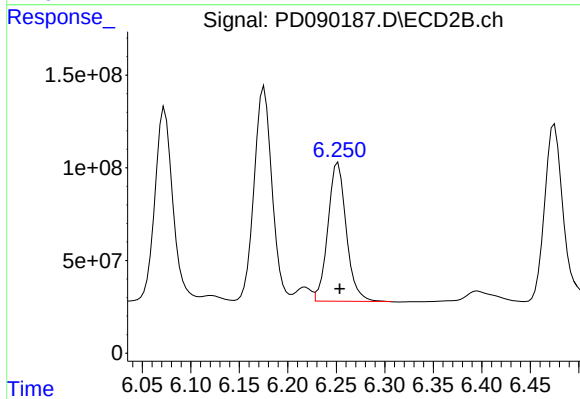
#17 4,4'-DDT

R.T.: 6.176 min  
Delta R.T.: -0.002 min  
Response: 1479273001  
Conc: 59.01 ng/ml



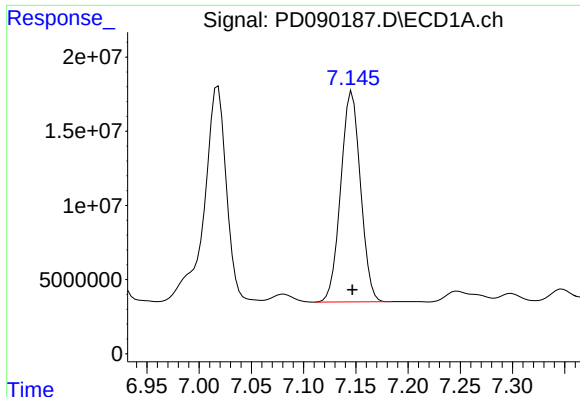
#18 Endrin aldehyde

R.T.: 6.912 min  
Delta R.T.: 0.000 min  
Response: 156307012  
Conc: 54.52 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min  
Delta R.T.: -0.002 min  
Response: 987218809  
Conc: 57.33 ng/ml



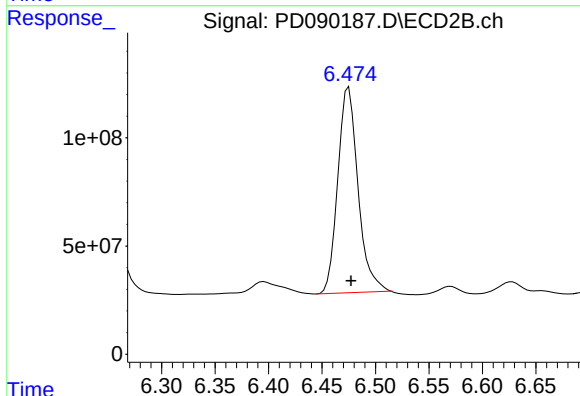
#19 Endosulfan Sulfate

R.T.: 7.146 min  
Delta R.T.: 0.000 min  
Response: 186716919  
Conc: 47.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

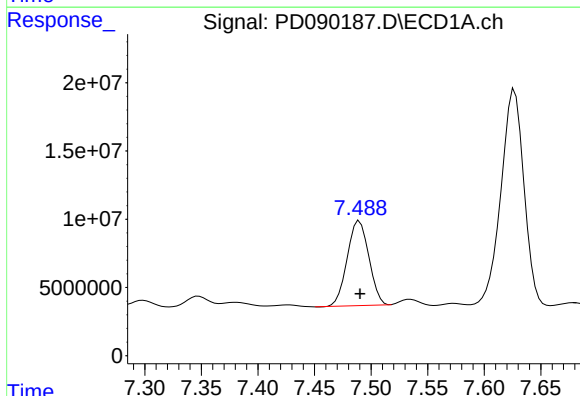
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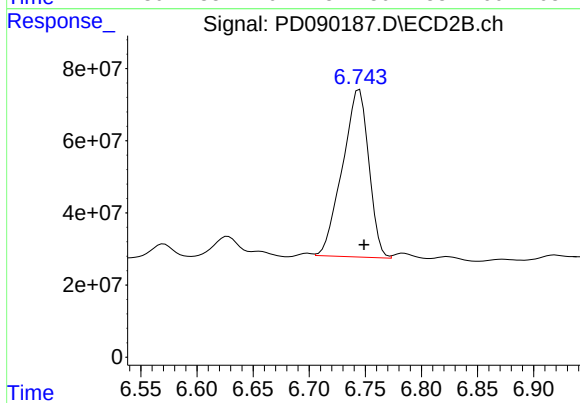
#19 Endosulfan Sulfate

R.T.: 6.475 min  
Delta R.T.: -0.002 min  
Response: 1254789868  
Conc: 51.47 ng/ml



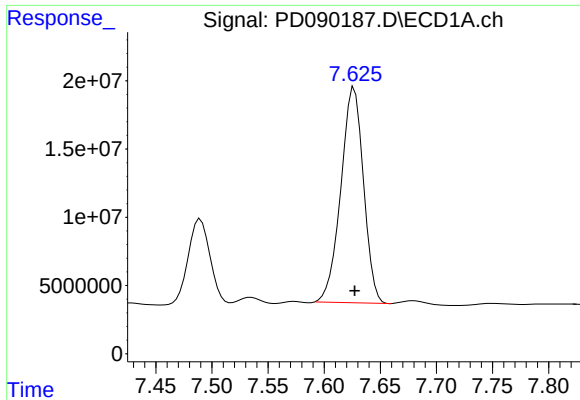
#20 Methoxychlor

R.T.: 7.490 min  
Delta R.T.: 0.000 min  
Response: 82808812  
Conc: 41.29 ng/ml



#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: -0.004 min  
Response: 757645583  
Conc: 58.75 ng/ml



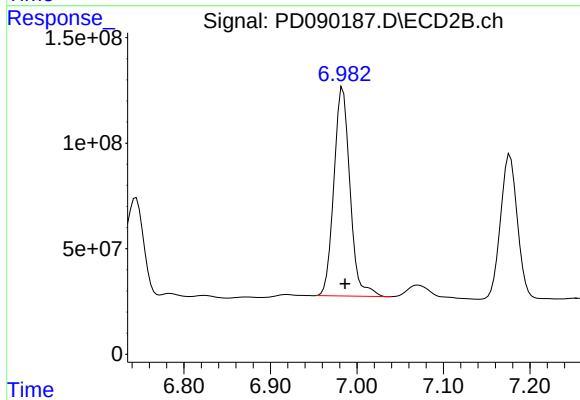
#21 Endrin ketone

R.T.: 7.627 min  
Delta R.T.: 0.000 min  
Response: 221288511  
Conc: 53.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

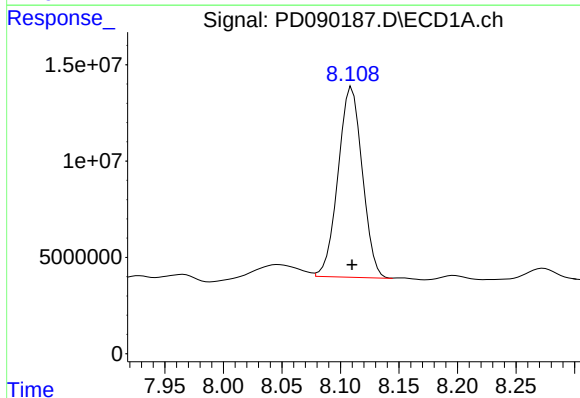
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/09/2025  
Supervised By :mohammad ahmed 09/10/2025



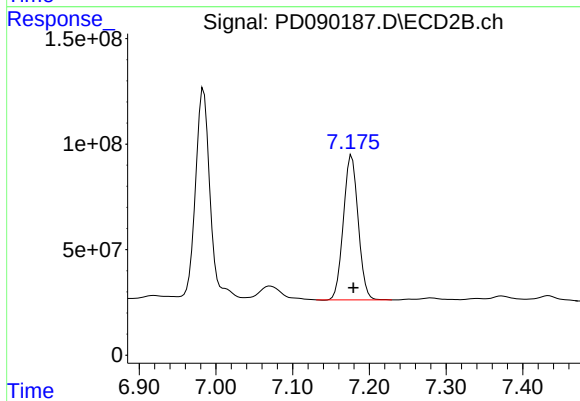
#21 Endrin ketone

R.T.: 6.984 min  
Delta R.T.: -0.002 min  
Response: 1274859763  
Conc: 47.85 ng/ml



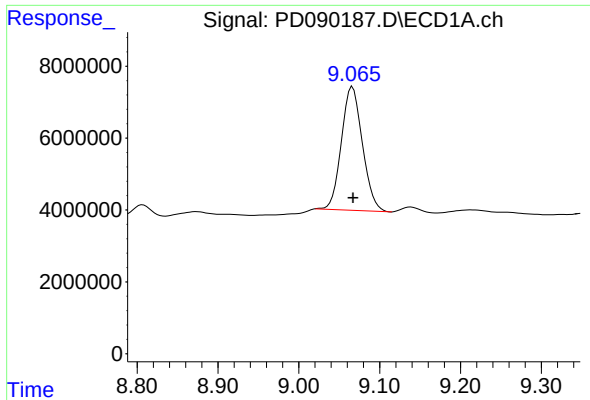
#22 Mirex

R.T.: 8.108 min  
Delta R.T.: -0.001 min  
Response: 142018883  
Conc: 45.02 ng/ml m



#22 Mirex

R.T.: 7.177 min  
Delta R.T.: -0.002 min  
Response: 920765140  
Conc: 44.58 ng/ml



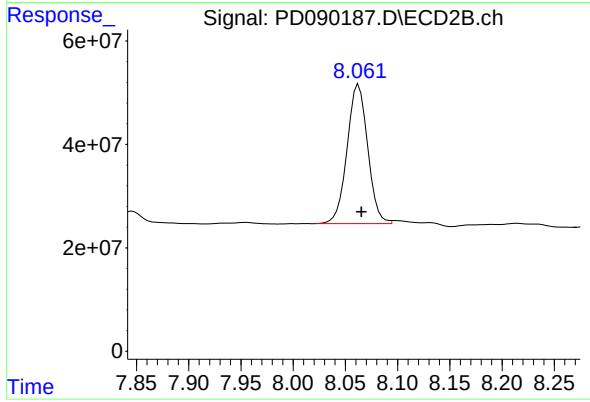
#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.000 min  
Response: 62107084  
Conc: 14.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-2MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/09/2025  
Supervised By :mohammad ahmed 09/10/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min  
Delta R.T.: -0.004 min  
Response: 369338136  
Conc: 14.27 ng/ml m