

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
 Data File : PD090819.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Oct 2025 13:31  
 Operator : AR\AJ  
 Sample : Q3439-05MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 TP-10MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 24 23:37:25 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... | 3.543 | 2.874 | 61393979 | 605.0E6  | 19.714m | 20.319 |
| 28)                         | SA Decachlor... | 9.063 | 8.059 | 88154444 | 491.6E6  | 18.845  | 16.229 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.993 | 3.385 | 388.5E6  | 2603.8E6 | 54.126  | 50.958 |
| 3)                          | MA gamma-BHC... | 4.324 | 3.722 | 356.8E6  | 2380.3E6 | 52.478  | 50.378 |
| 4)                          | MA Heptachlor   | 4.922 | 4.074 | 338.8E6  | 2279.4E6 | 60.610  | 51.104 |
| 5)                          | MB Aldrin       | 5.263 | 4.359 | 341.3E6  | 2291.7E6 | 52.128  | 49.477 |
| 6)                          | B beta-BHC      | 4.511 | 4.018 | 133.2E6  | 988.5E6  | 50.851  | 49.852 |
| 7)                          | B delta-BHC     | 4.760 | 4.254 | 359.8E6  | 2367.3E6 | 53.209  | 49.612 |
| 8)                          | B Heptachlo...  | 5.683 | 4.863 | 295.4E6  | 2100.8E6 | 51.025  | 49.270 |
| 9)                          | A Endosulfan I  | 6.067 | 5.236 | 277.5E6  | 1906.8E6 | 50.117  | 48.408 |
| 10)                         | B gamma-Chl...  | 5.938 | 5.115 | 292.3E6  | 2183.0E6 | 49.280  | 48.565 |
| 11)                         | B alpha-Chl...  | 6.019 | 5.180 | 304.3E6  | 2091.3E6 | 49.230  | 48.479 |
| 12)                         | B 4,4'-DDE      | 6.189 | 5.364 | 258.8E6  | 2077.4E6 | 48.579  | 47.388 |
| 13)                         | MA Dieldrin     | 6.339 | 5.502 | 291.0E6  | 2086.3E6 | 49.903  | 47.218 |
| 14)                         | MA Endrin       | 6.567 | 5.779 | 241.9E6  | 1832.3E6 | 48.841  | 45.249 |
| 15)                         | B Endosulfa...  | 6.779 | 6.071 | 239.3E6  | 1747.3E6 | 47.853  | 46.526 |
| 16)                         | A 4,4'-DDD      | 6.699 | 5.919 | 209.0E6  | 1612.0E6 | 51.552  | 44.239 |
| 17)                         | MA 4,4'-DDT     | 7.014 | 6.173 | 196.2E6  | 1587.3E6 | 47.731  | 45.258 |
| 18)                         | B Endrin al...  | 6.908 | 6.249 | 177.3E6  | 1252.3E6 | 48.398  | 45.221 |
| 19)                         | B Endosulfa...  | 7.143 | 6.472 | 215.1E6  | 1610.4E6 | 46.378  | 44.926 |
| 20)                         | A Methoxychlor  | 7.487 | 6.743 | 99290204 | 736.6E6  | 46.712  | 42.263 |
| 21)                         | B Endrin ke...  | 7.624 | 6.981 | 243.2E6  | 1692.7E6 | 50.048  | 44.878 |
| 22)                         | Mirex           | 8.106 | 7.173 | 145.9E6  | 1023.1E6 | 45.577  | 39.824 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102425\  
Data File : PD090819.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 24 Oct 2025 13:31  
Operator : AR\AJ  
Sample : Q3439-05MSD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

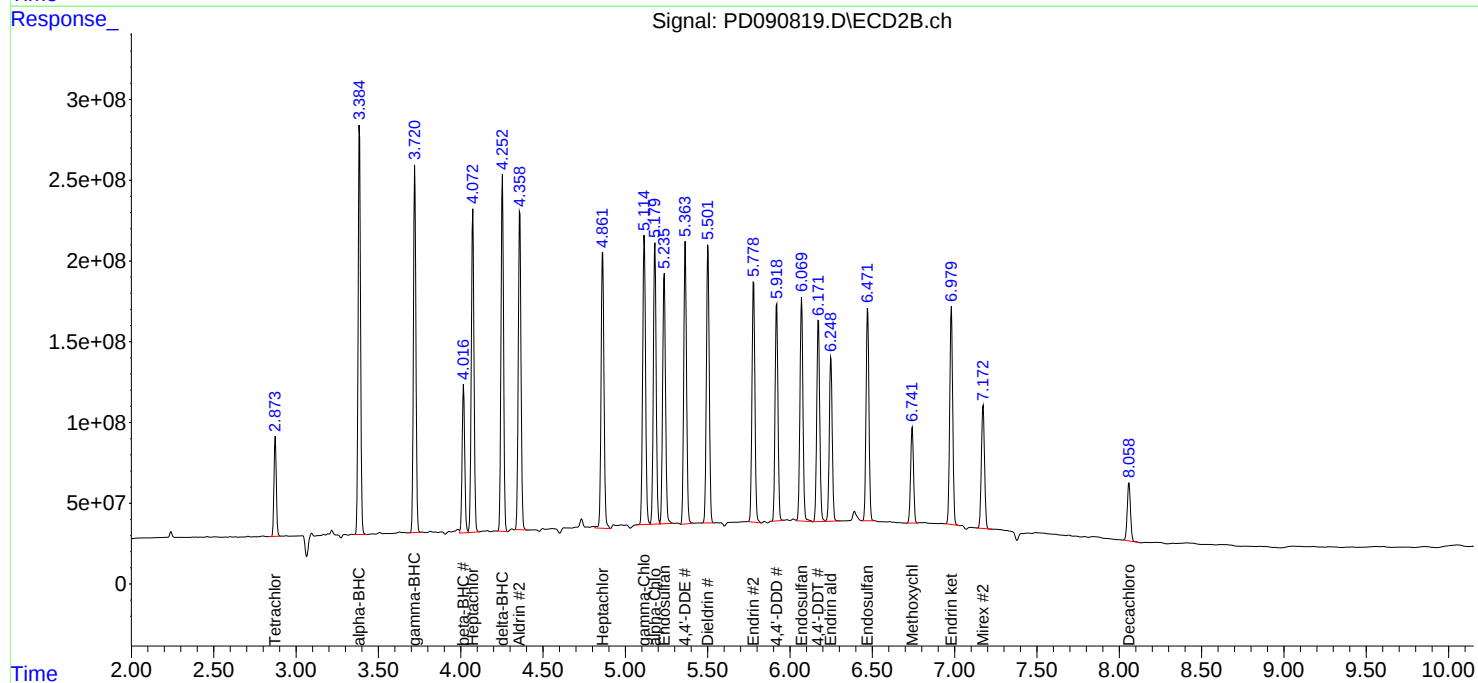
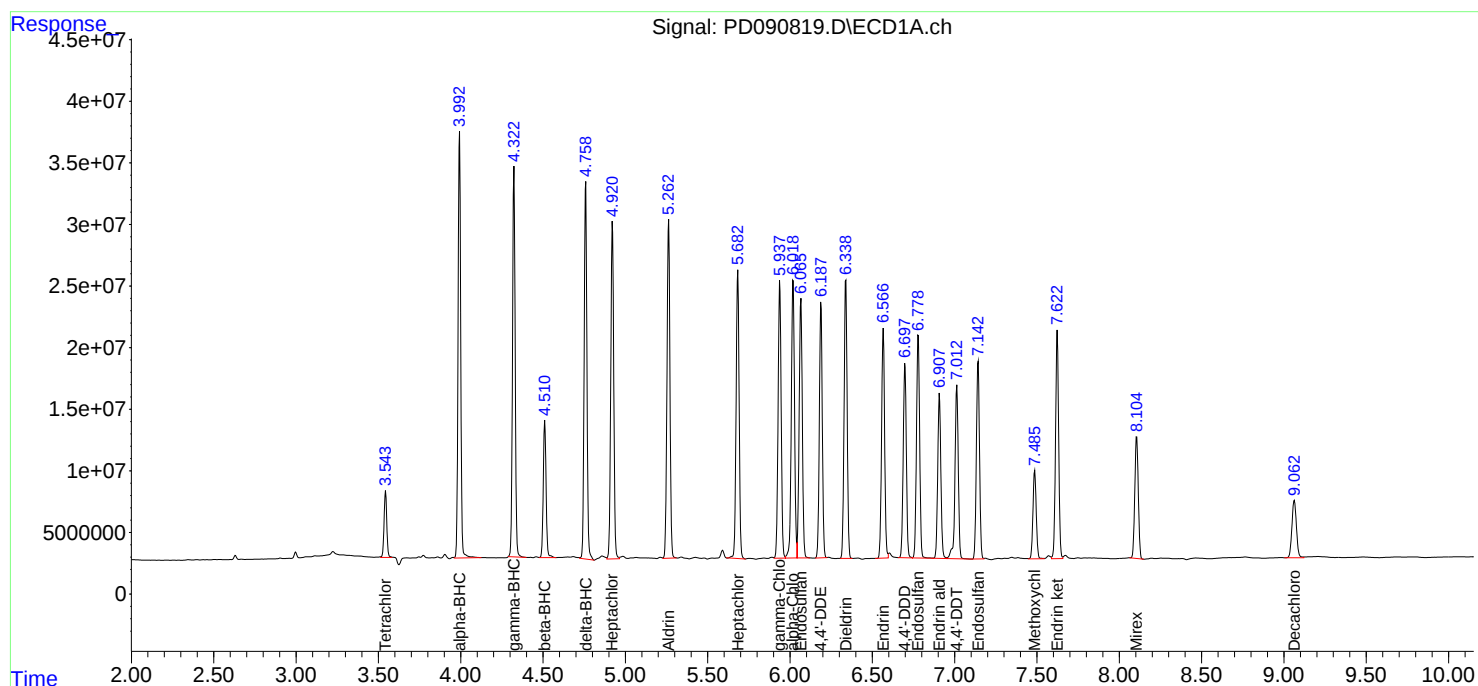
Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

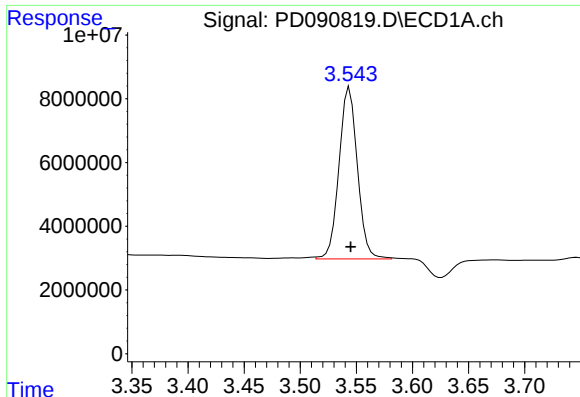
Manual Integrations  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 24 23:37:25 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
Quant Title : GC Extractables  
QLast Update : 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





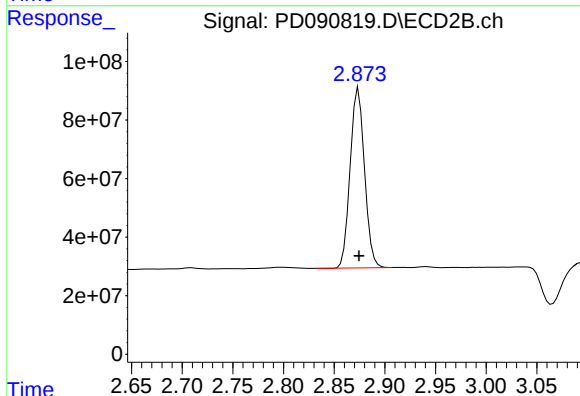
#1 Tetrachloro-m-xylene

R.T.: 3.543 min  
Delta R.T.: -0.002 min  
Response: 61393979  
Conc: 19.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

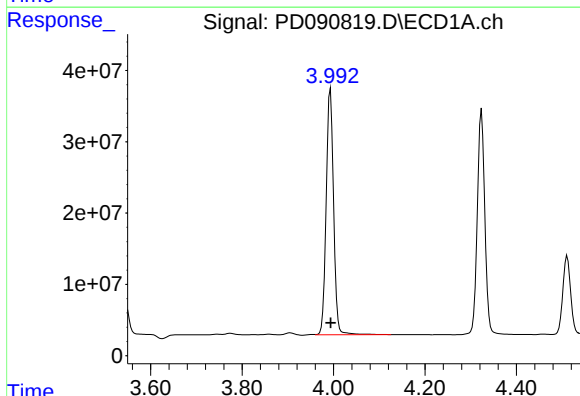
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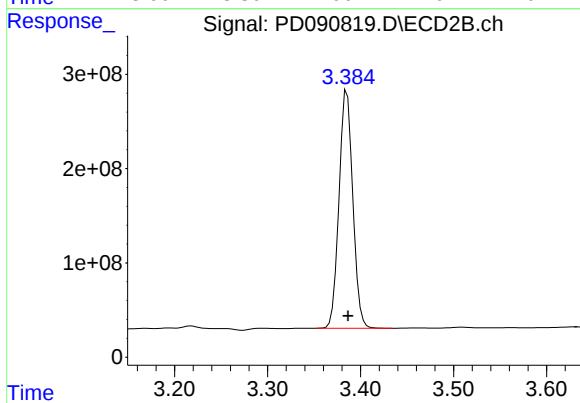
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 605043194  
Conc: 20.32 ng/ml



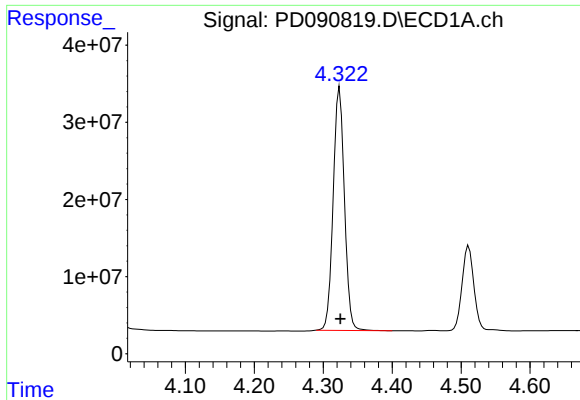
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 388466873  
Conc: 54.13 ng/ml



#2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.001 min  
Response: 2603752024  
Conc: 50.96 ng/ml



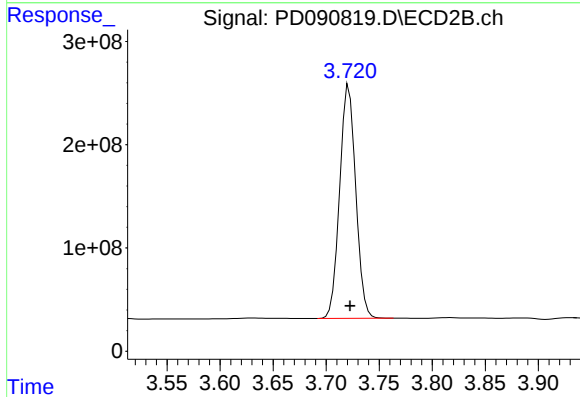
#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: -0.001 min  
Response: 356789488  
Conc: 52.48 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

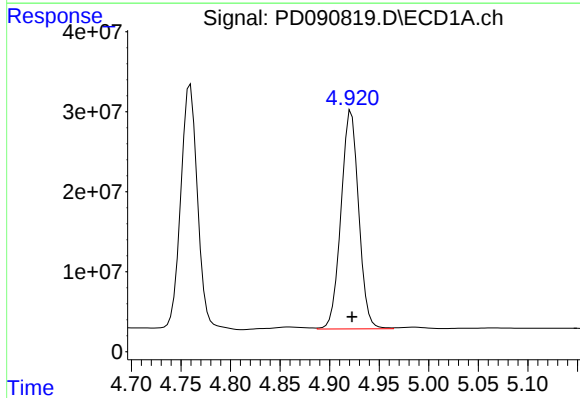
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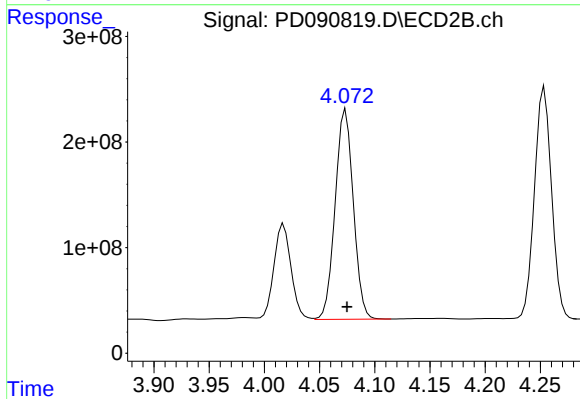
#3 gamma-BHC (Lindane)

R.T.: 3.722 min  
Delta R.T.: -0.001 min  
Response: 2380281271  
Conc: 50.38 ng/ml



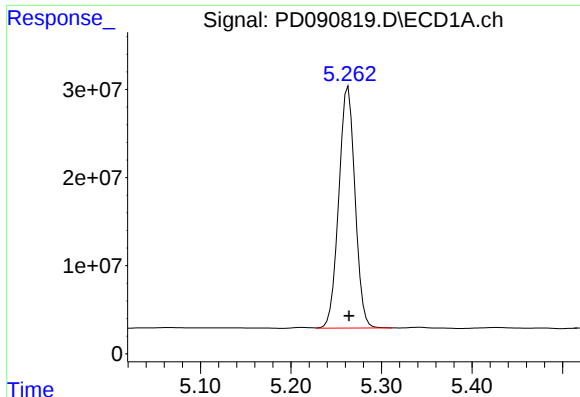
#4 Heptachlor

R.T.: 4.922 min  
Delta R.T.: 0.000 min  
Response: 338782266  
Conc: 60.61 ng/ml



#4 Heptachlor

R.T.: 4.074 min  
Delta R.T.: -0.001 min  
Response: 2279399916  
Conc: 51.10 ng/ml



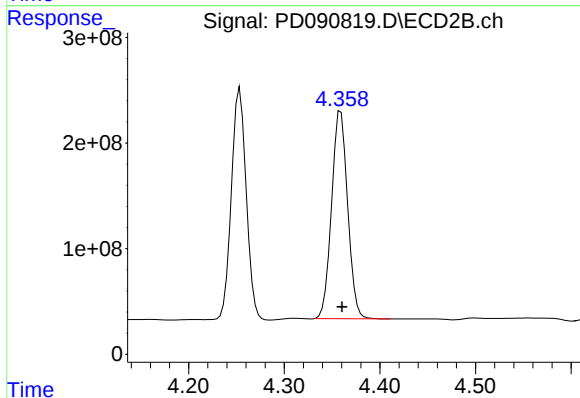
#5 Aldrin

R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 341297090  
Conc: 52.13 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

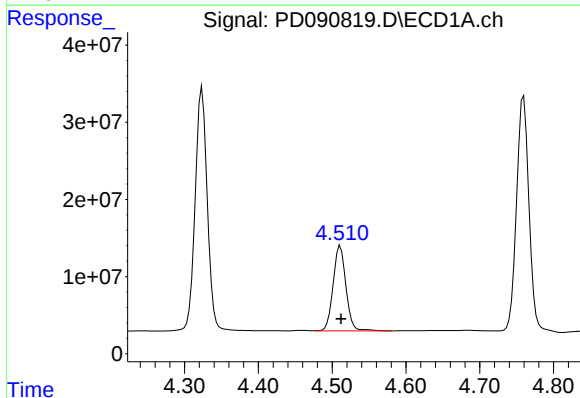
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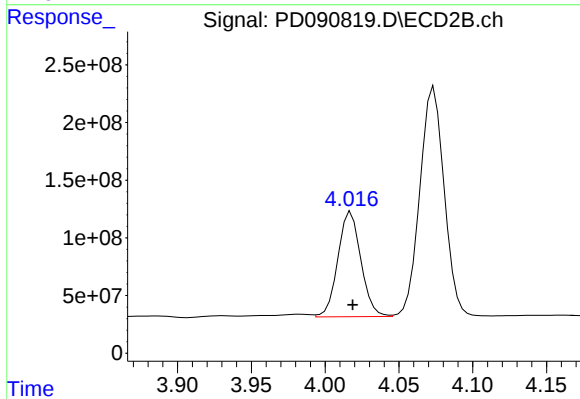
#5 Aldrin

R.T.: 4.359 min  
Delta R.T.: -0.002 min  
Response: 2291703089  
Conc: 49.48 ng/ml



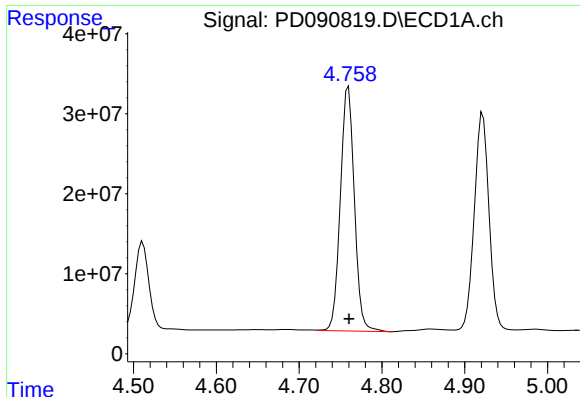
#6 beta-BHC

R.T.: 4.511 min  
Delta R.T.: -0.001 min  
Response: 133209964  
Conc: 50.85 ng/ml



#6 beta-BHC

R.T.: 4.018 min  
Delta R.T.: -0.001 min  
Response: 988544091  
Conc: 49.85 ng/ml



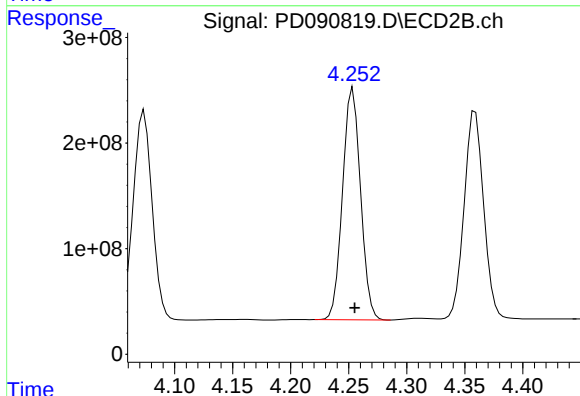
#7 delta-BHC

R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 359786817  
Conc: 53.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

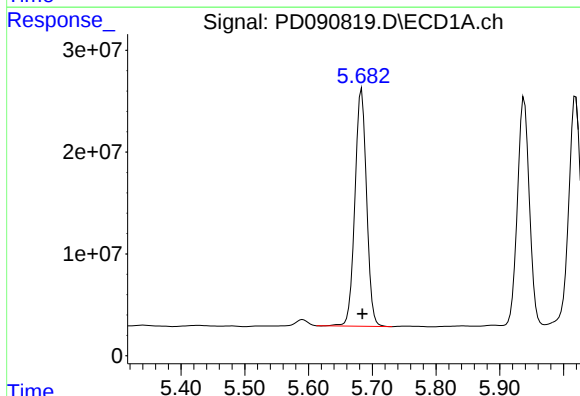
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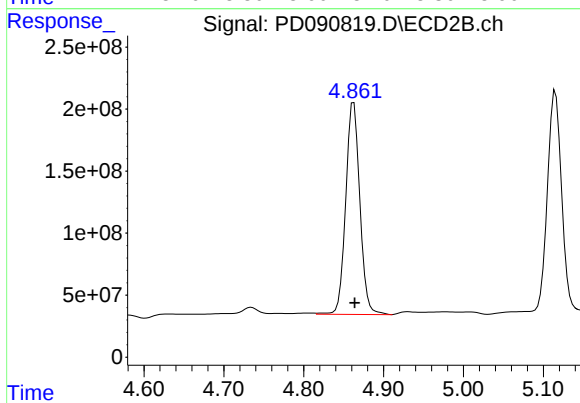
#7 delta-BHC

R.T.: 4.254 min  
Delta R.T.: -0.001 min  
Response: 2367331008  
Conc: 49.61 ng/ml



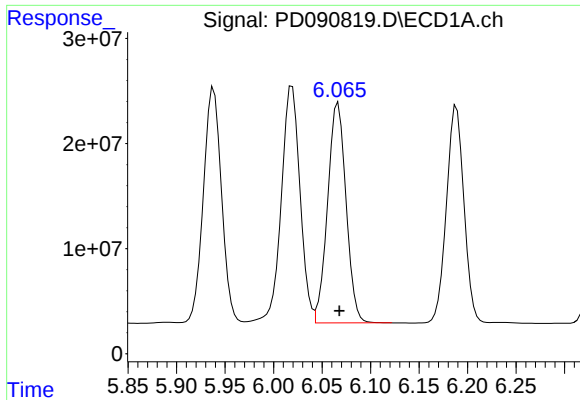
#8 Heptachlor epoxide

R.T.: 5.683 min  
Delta R.T.: 0.000 min  
Response: 295384184  
Conc: 51.02 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min  
Delta R.T.: -0.002 min  
Response: 2100815682  
Conc: 49.27 ng/ml



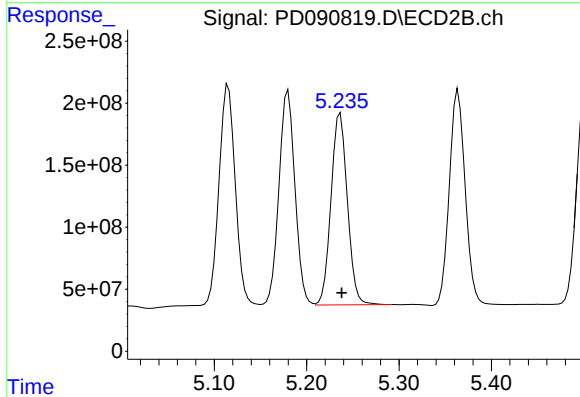
#9 Endosulfan I

R.T.: 6.067 min  
Delta R.T.: -0.001 min  
Response: 277477479  
Conc: 50.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

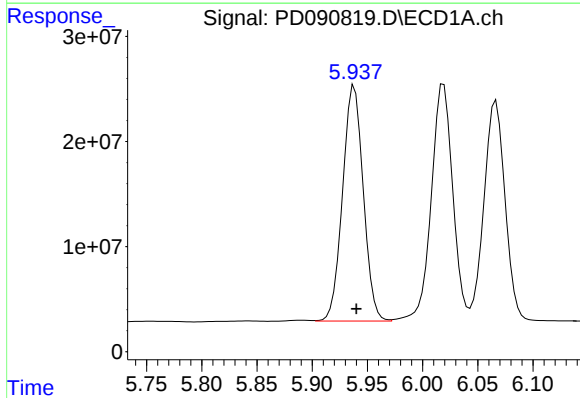
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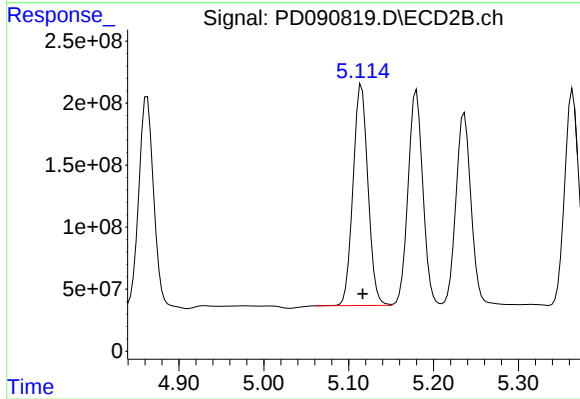
#9 Endosulfan I

R.T.: 5.236 min  
Delta R.T.: -0.002 min  
Response: 1906825359  
Conc: 48.41 ng/ml



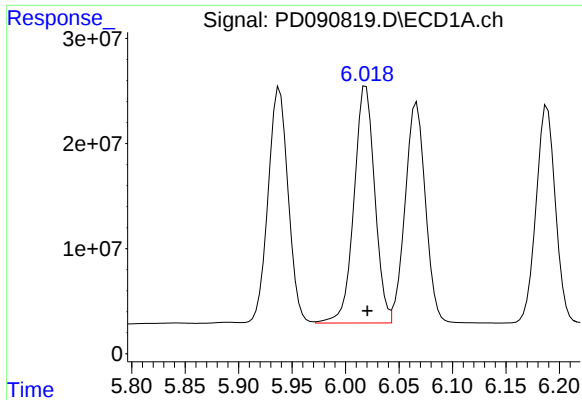
#10 gamma-Chlordane

R.T.: 5.938 min  
Delta R.T.: -0.002 min  
Response: 292285930  
Conc: 49.28 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min  
Delta R.T.: -0.002 min  
Response: 2182956341  
Conc: 48.57 ng/ml



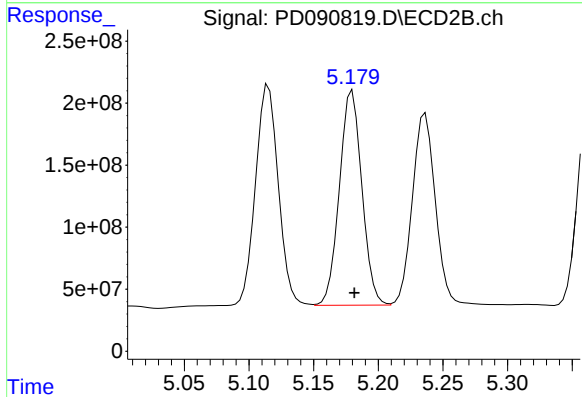
#11 alpha-Chlordane

R.T.: 6.019 min  
Delta R.T.: -0.001 min  
Response: 304256101  
Conc: 49.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

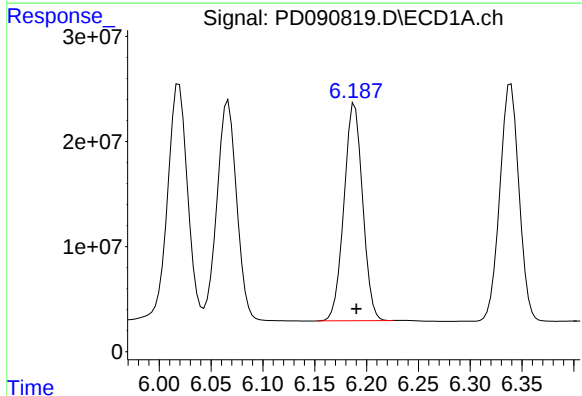
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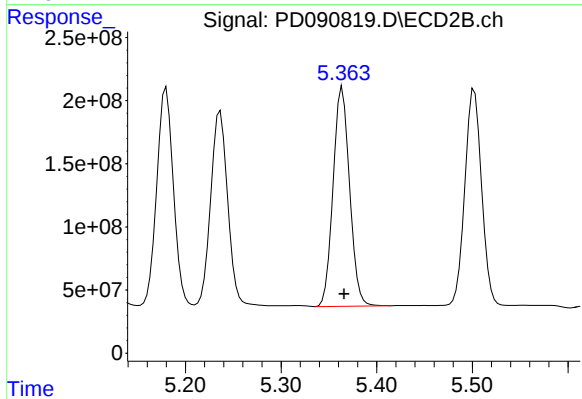
#11 alpha-Chlordane

R.T.: 5.180 min  
Delta R.T.: -0.002 min  
Response: 2091267812  
Conc: 48.48 ng/ml



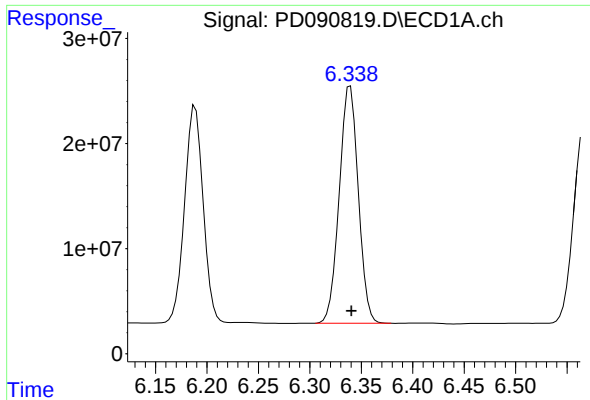
#12 4,4'-DDE

R.T.: 6.189 min  
Delta R.T.: -0.001 min  
Response: 258761298  
Conc: 48.58 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min  
Delta R.T.: -0.002 min  
Response: 2077387314  
Conc: 47.39 ng/ml



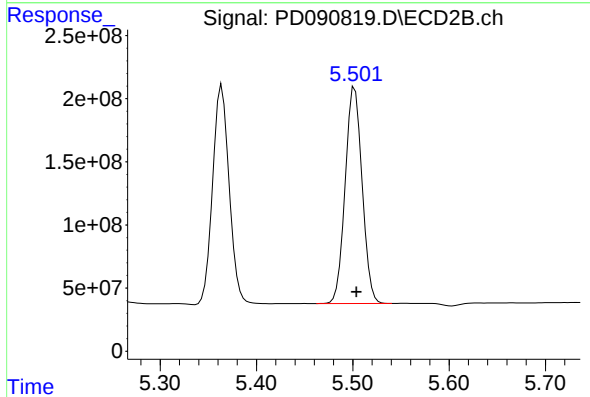
#13 Dieldrin

R.T.: 6.339 min  
Delta R.T.: -0.001 min  
Response: 291004074  
Conc: 49.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

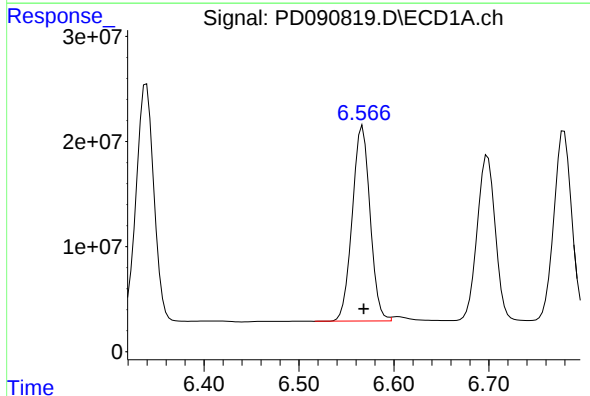
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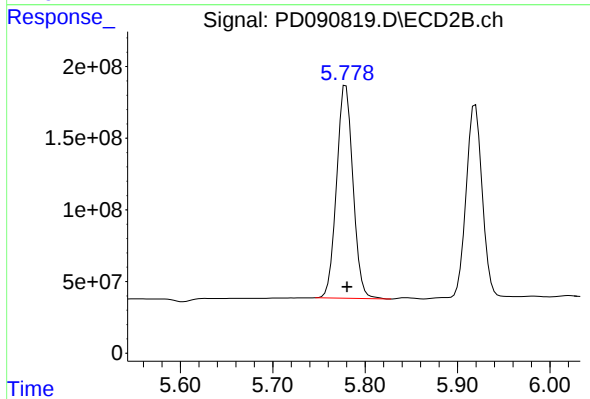
#13 Dieldrin

R.T.: 5.502 min  
Delta R.T.: -0.002 min  
Response: 2086279864  
Conc: 47.22 ng/ml



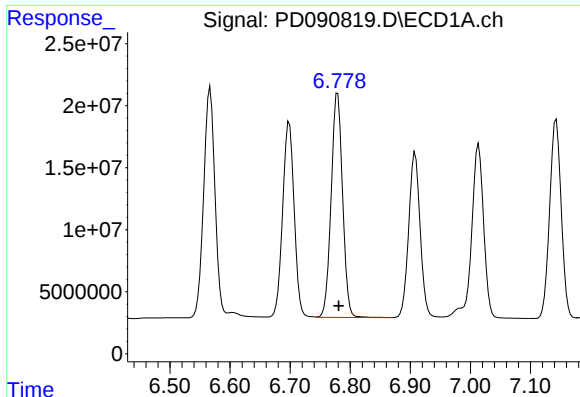
#14 Endrin

R.T.: 6.567 min  
Delta R.T.: -0.001 min  
Response: 241944247  
Conc: 48.84 ng/ml



#14 Endrin

R.T.: 5.779 min  
Delta R.T.: -0.001 min  
Response: 1832310027  
Conc: 45.25 ng/ml



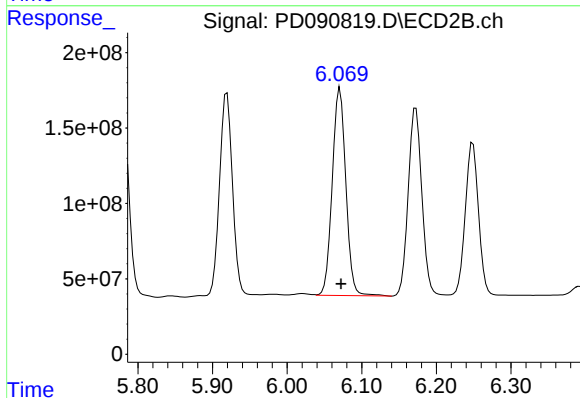
#15 Endosulfan II

R.T.: 6.779 min  
Delta R.T.: -0.002 min  
Response: 239263626  
Conc: 47.85 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

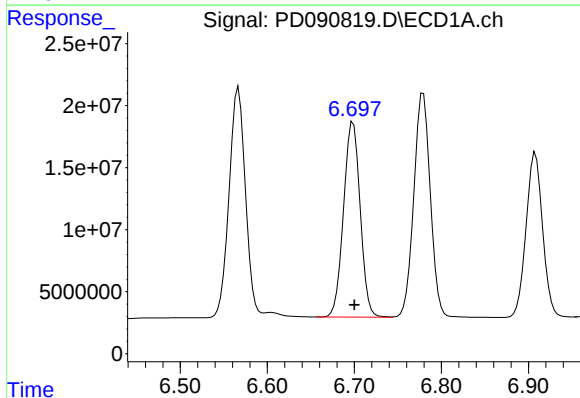
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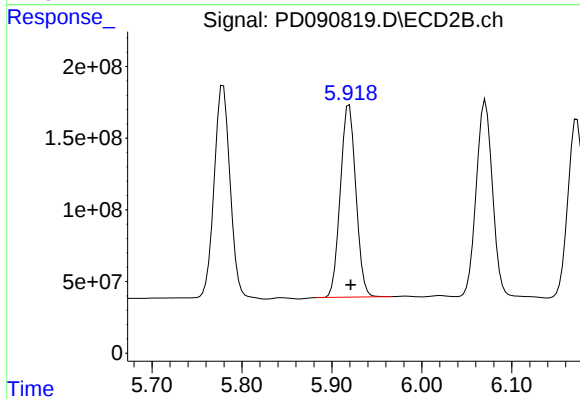
#15 Endosulfan II

R.T.: 6.071 min  
Delta R.T.: -0.001 min  
Response: 1747305051  
Conc: 46.53 ng/ml



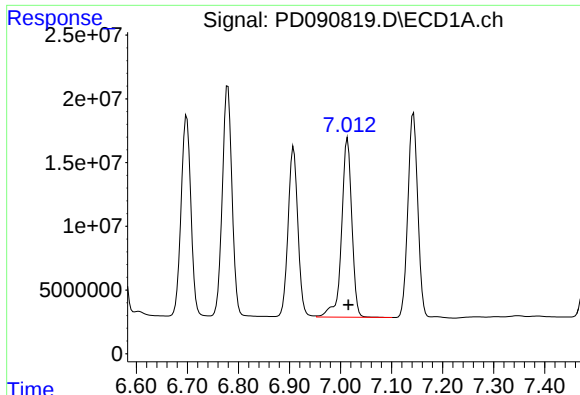
#16 4,4'-DDD

R.T.: 6.699 min  
Delta R.T.: -0.001 min  
Response: 209002077  
Conc: 51.55 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min  
Delta R.T.: -0.001 min  
Response: 1611986463  
Conc: 44.24 ng/ml



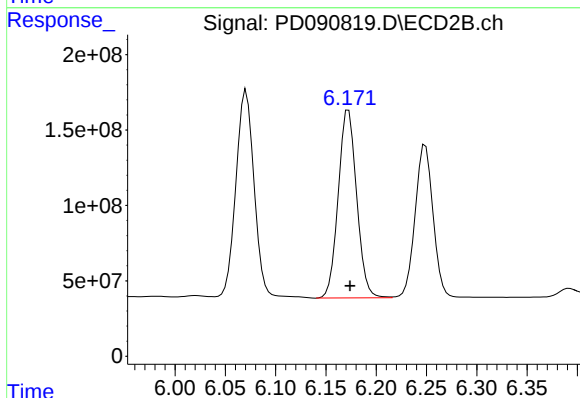
#17 4,4'-DDT

R.T.: 7.014 min  
Delta R.T.: -0.001 min  
Response: 196197250  
Conc: 47.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

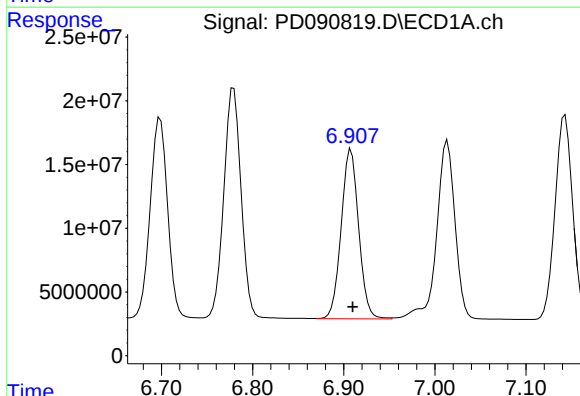
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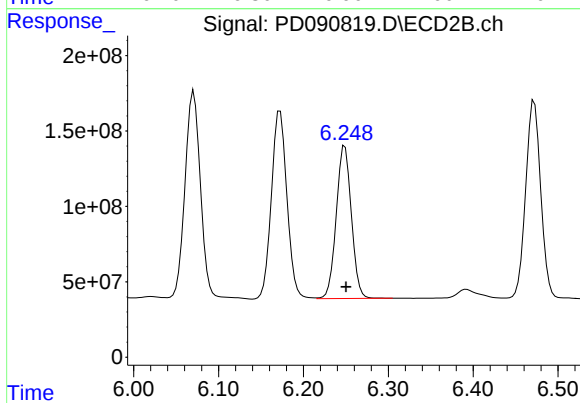
#17 4,4'-DDT

R.T.: 6.173 min  
Delta R.T.: -0.001 min  
Response: 1587330085  
Conc: 45.26 ng/ml



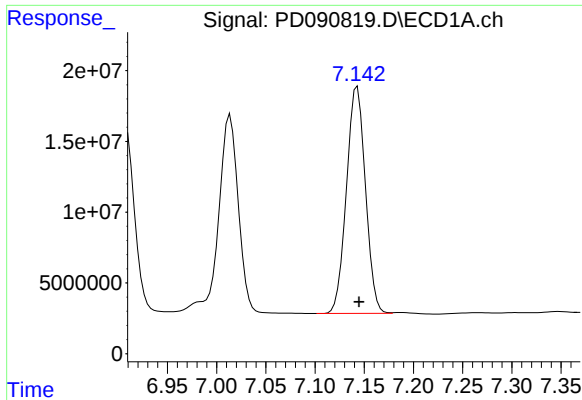
#18 Endrin aldehyde

R.T.: 6.908 min  
Delta R.T.: -0.002 min  
Response: 177267113  
Conc: 48.40 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min  
Delta R.T.: -0.001 min  
Response: 1252285106  
Conc: 45.22 ng/ml



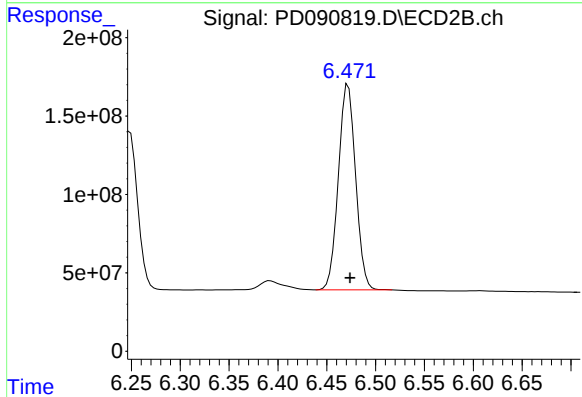
#19 Endosulfan Sulfate

R.T.: 7.143 min  
Delta R.T.: -0.002 min  
Response: 215112074  
Conc: 46.38 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

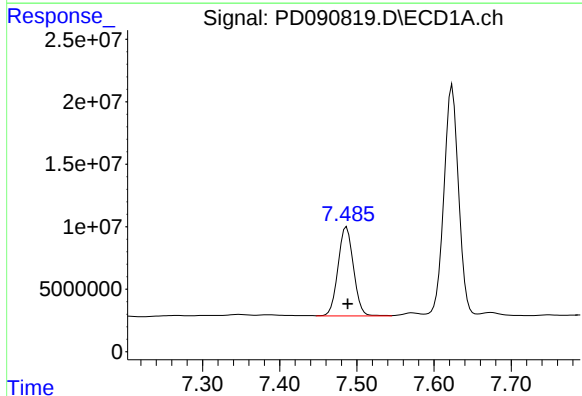
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Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



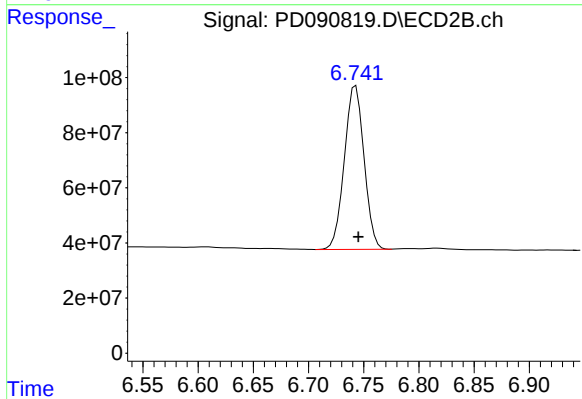
#19 Endosulfan Sulfate

R.T.: 6.472 min  
Delta R.T.: -0.002 min  
Response: 1610386393  
Conc: 44.93 ng/ml



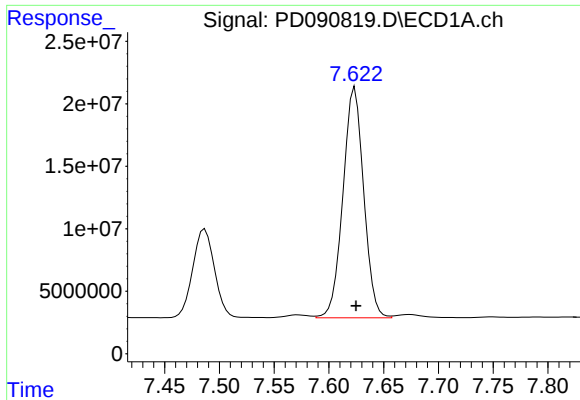
#20 Methoxychlor

R.T.: 7.487 min  
Delta R.T.: -0.002 min  
Response: 99290204  
Conc: 46.71 ng/ml



#20 Methoxychlor

R.T.: 6.743 min  
Delta R.T.: -0.002 min  
Response: 736554820  
Conc: 42.26 ng/ml



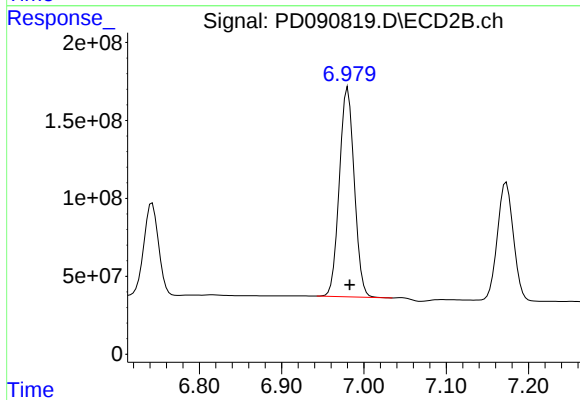
#21 Endrin ketone

R.T.: 7.624 min  
Delta R.T.: -0.001 min  
Response: 243175237  
Conc: 50.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

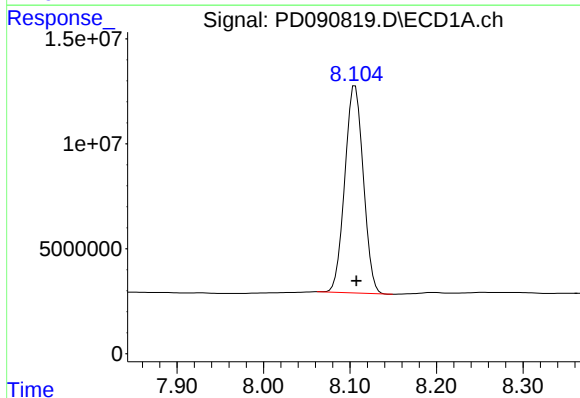
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/27/2025  
Supervised By :mohammad ahmed 10/28/2025



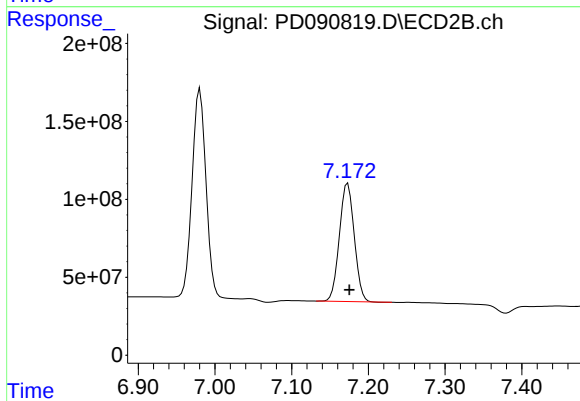
#21 Endrin ketone

R.T.: 6.981 min  
Delta R.T.: -0.002 min  
Response: 1692686283  
Conc: 44.88 ng/ml



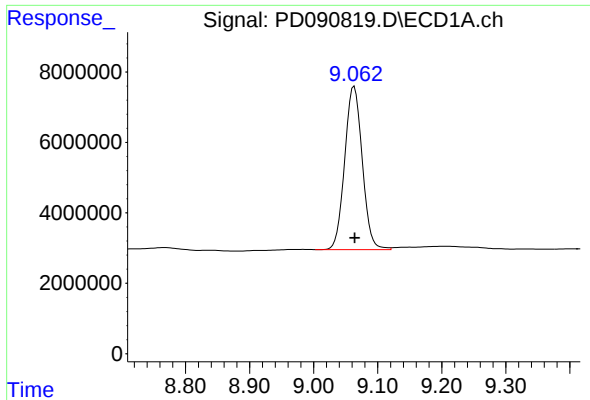
#22 Mirex

R.T.: 8.106 min  
Delta R.T.: -0.002 min  
Response: 145886582  
Conc: 45.58 ng/ml



#22 Mirex

R.T.: 7.173 min  
Delta R.T.: -0.002 min  
Response: 1023122388  
Conc: 39.82 ng/ml



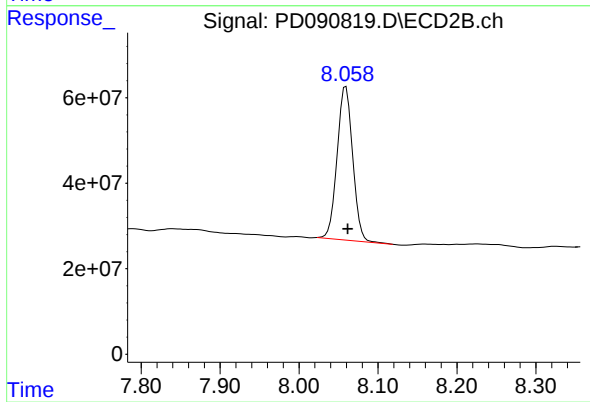
#28 Decachlorobiphenyl

R.T.: 9.063 min  
Delta R.T.: 0.000 min  
Response: 88154444  
Conc: 18.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
TP-10MSD

Manual Integrations  
APPROVED

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Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min  
Delta R.T.: -0.002 min  
Response: 491606724  
Conc: 16.23 ng/ml