

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101525\  
 Data File : PD090617.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 15 Oct 2025 19:17  
 Operator : AR\AJ  
 Sample : Q3341-01MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 C-1MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/16/2025  
 Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 16 09:45:02 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD091825.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Sep 19 05:52:38 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... | 3.544 | 2.875 | 47111205 | 454.4E6  | 14.494m | 16.553m |
| 28)                         | SA Decachlor... | 9.065 | 8.061 | 73850929 | 410.1E6  | 15.306  | 12.651  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.995 | 3.387 | 346.0E6  | 2184.9E6 | 49.532  | 49.904  |
| 3)                          | MA gamma-BHC... | 4.324 | 3.723 | 326.4E6  | 1990.2E6 | 49.322m | 48.856  |
| 4)                          | MA Heptachlor   | 4.923 | 4.075 | 262.5E6  | 1896.7E6 | 39.701  | 46.582  |
| 5)                          | MB Aldrin       | 5.264 | 4.361 | 310.1E6  | 1948.0E6 | 48.838  | 48.778  |
| 6)                          | B beta-BHC      | 4.513 | 4.019 | 110.0E6  | 907.7E6  | 42.630  | 52.362  |
| 7)                          | B delta-BHC     | 4.759 | 4.255 | 326.4E6  | 2014.4E6 | 50.553m | 48.782  |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 271.3E6  | 1792.8E6 | 47.472  | 48.630  |
| 9)                          | A Endosulfan I  | 6.068 | 5.239 | 254.1E6  | 1526.0E6 | 47.045  | 44.096  |
| 10)                         | B gamma-Chl...  | 5.940 | 5.116 | 288.0E6  | 2051.3E6 | 50.422  | 52.214  |
| 11)                         | B alpha-Chl...  | 6.021 | 5.181 | 298.4E6  | 1941.1E6 | 51.793  | 51.535  |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.365 | 239.8E6  | 1827.2E6 | 46.051  | 47.733  |
| 13)                         | MA Dieldrin     | 6.340 | 5.503 | 270.7E6  | 1878.7E6 | 46.967  | 48.240  |
| 14)                         | MA Endrin       | 6.568 | 5.780 | 230.9E6  | 1705.6E6 | 47.176  | 47.599  |
| 15)                         | B Endosulfa...  | 6.781 | 6.071 | 225.6E6  | 1611.4E6 | 46.246  | 47.745  |
| 16)                         | A 4,4'-DDD      | 6.699 | 5.920 | 194.2E6  | 1441.3E6 | 47.400  | 44.445  |
| 17)                         | MA 4,4'-DDT     | 7.015 | 6.174 | 186.6E6  | 1442.7E6 | 41.914  | 41.965  |
| 18)                         | B Endrin al...  | 6.910 | 6.250 | 167.3E6  | 1149.1E6 | 48.768  | 48.800  |
| 19)                         | B Endosulfa...  | 7.144 | 6.473 | 206.6E6  | 1459.8E6 | 44.916  | 44.655  |
| 20)                         | A Methoxychlor  | 7.488 | 6.744 | 92728529 | 709.8E6  | 39.350  | 40.793  |
| 21)                         | B Endrin ke...  | 7.625 | 6.982 | 218.1E6  | 1481.9E6 | 44.087  | 41.048  |
| 22)                         | Mirex           | 8.107 | 7.175 | 148.9E6  | 988.4E6  | 40.191  | 35.805  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101525\  
Data File : PD090617.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 15 Oct 2025 19:17  
Operator : AR\AJ  
Sample : Q3341-01MSD  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

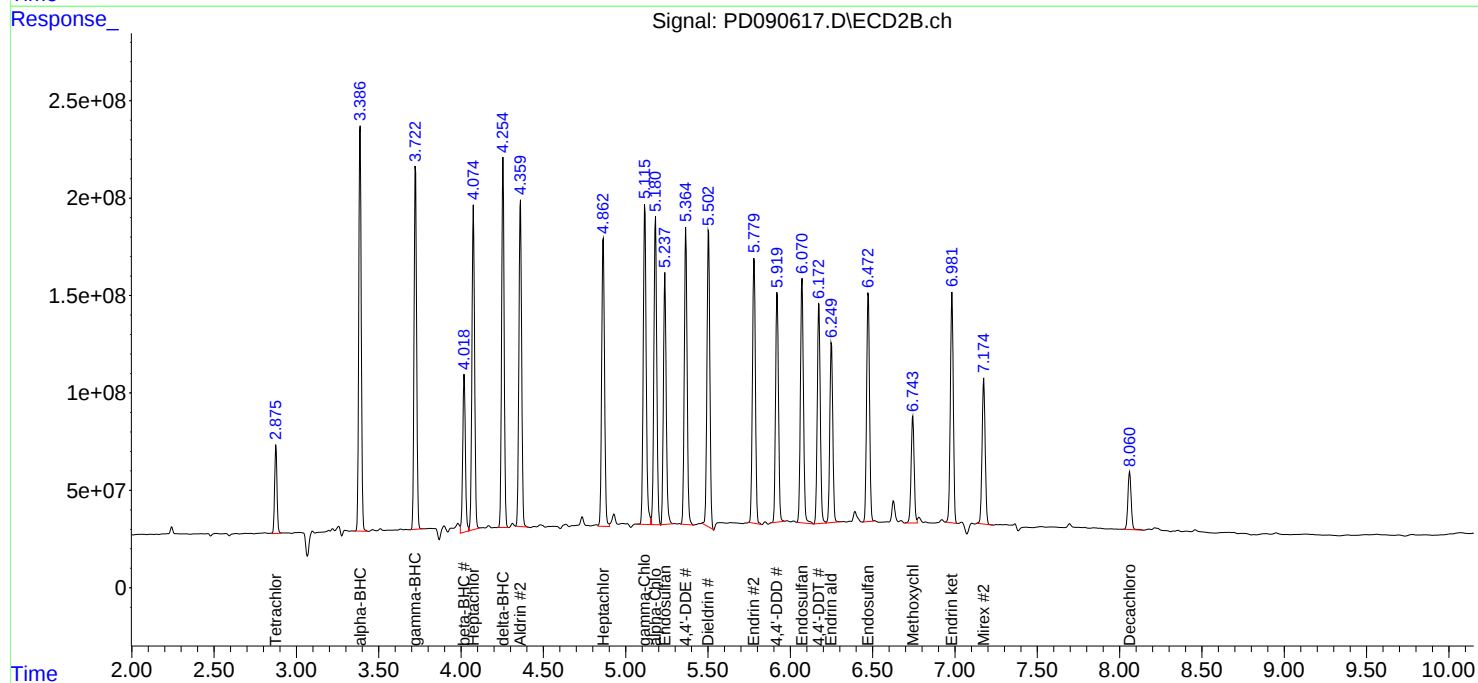
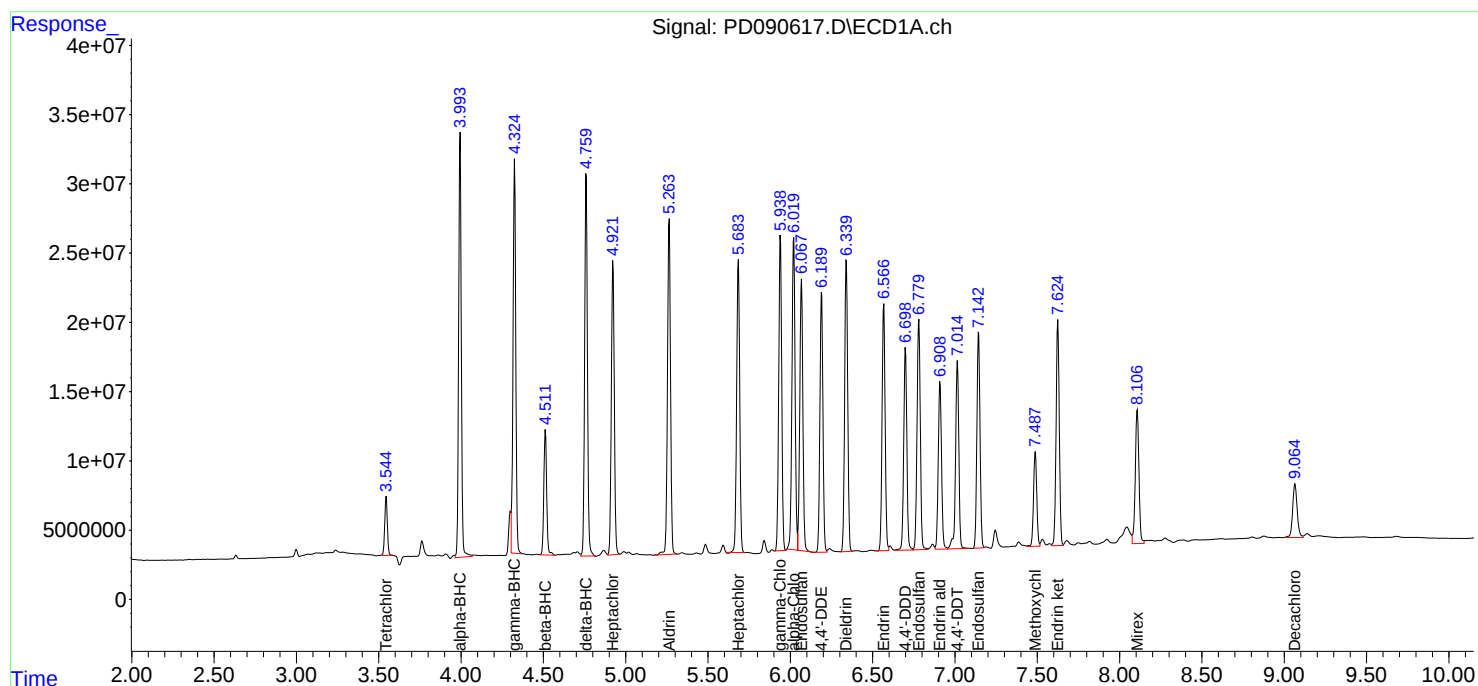
Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

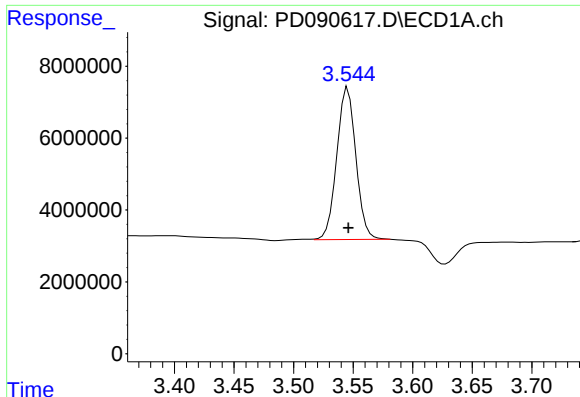
Manual Integrations  
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Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 16 09:45:02 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD091825.M  
Quant Title : GC Extractables  
QLast Update : Fri Sep 19 05:52:38 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





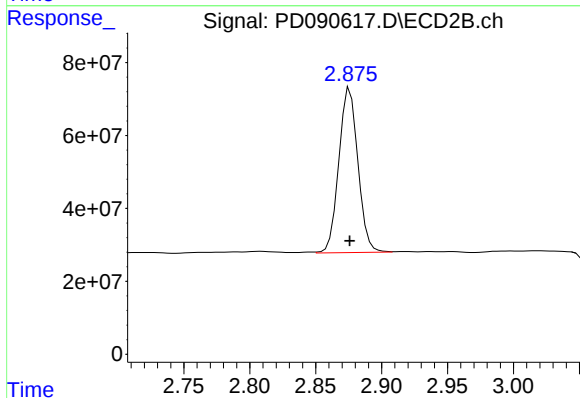
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: -0.002 min  
Response: 47111205  
Conc: 14.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

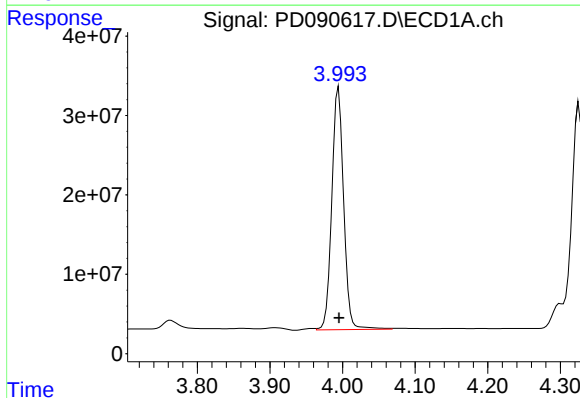
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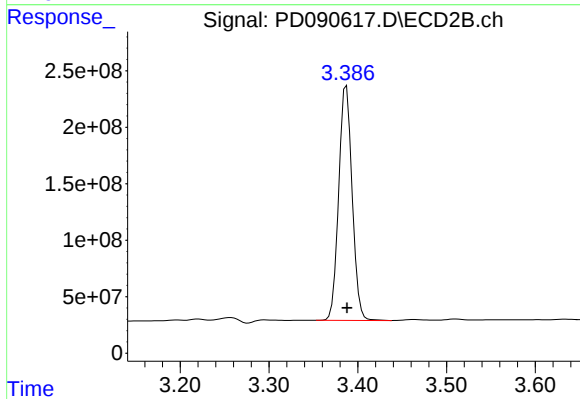
#1 Tetrachloro-m-xylene

R.T.: 2.875 min  
Delta R.T.: -0.001 min  
Response: 454381357  
Conc: 16.55 ng/ml m



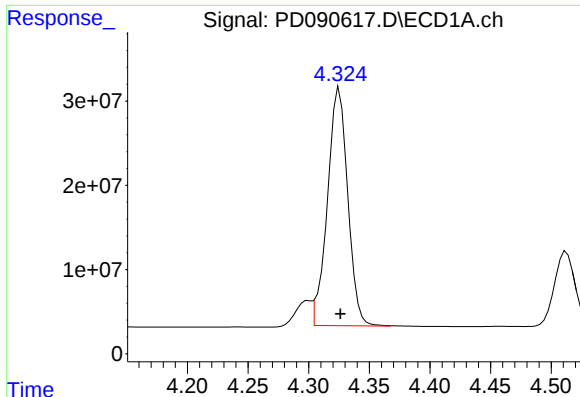
#2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 345956467  
Conc: 49.53 ng/ml



#2 alpha-BHC

R.T.: 3.387 min  
Delta R.T.: 0.000 min  
Response: 2184946557  
Conc: 49.90 ng/ml



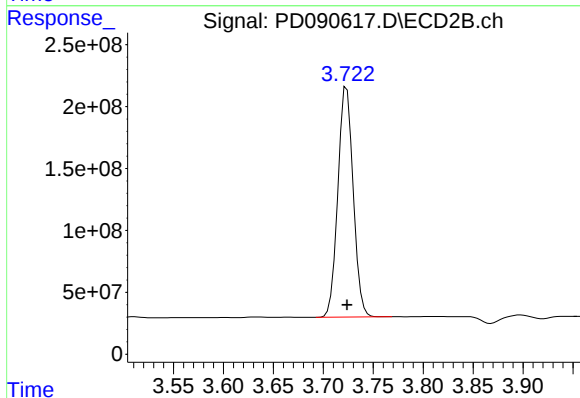
#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: -0.002 min  
Response: 326354962  
Conc: 49.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

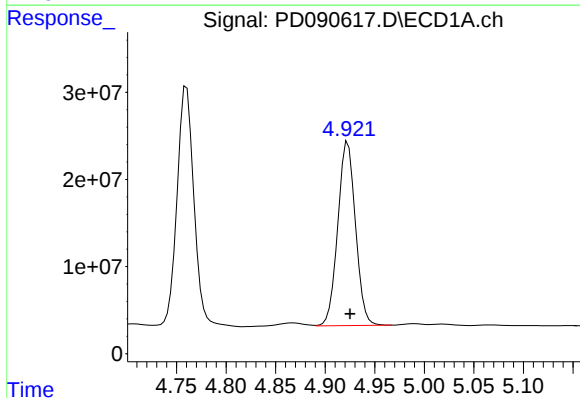
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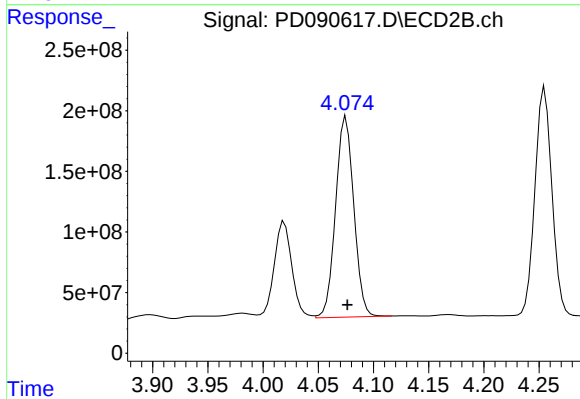
#3 gamma-BHC (Lindane)

R.T.: 3.723 min  
Delta R.T.: 0.000 min  
Response: 1990184819  
Conc: 48.86 ng/ml



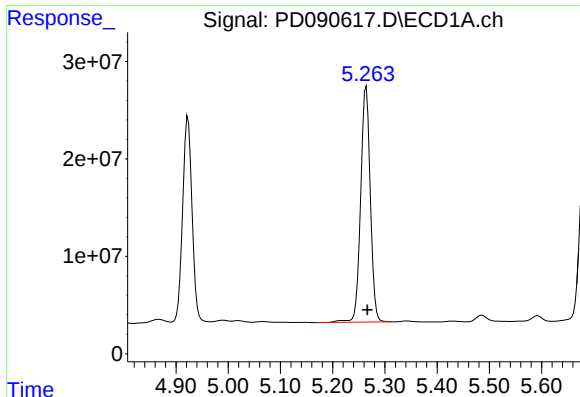
#4 Heptachlor

R.T.: 4.923 min  
Delta R.T.: -0.002 min  
Response: 262522601  
Conc: 39.70 ng/ml



#4 Heptachlor

R.T.: 4.075 min  
Delta R.T.: -0.001 min  
Response: 1896652051  
Conc: 46.58 ng/ml



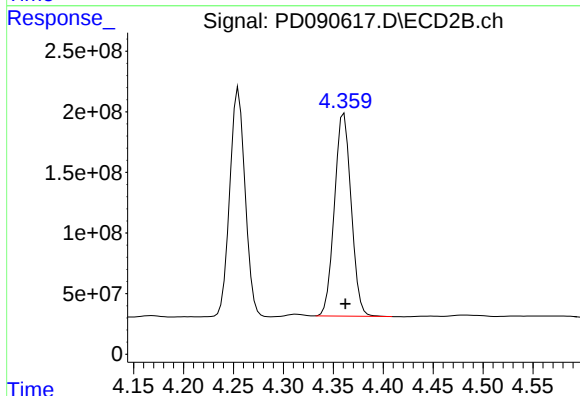
#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: -0.002 min  
Response: 310116109  
Conc: 48.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

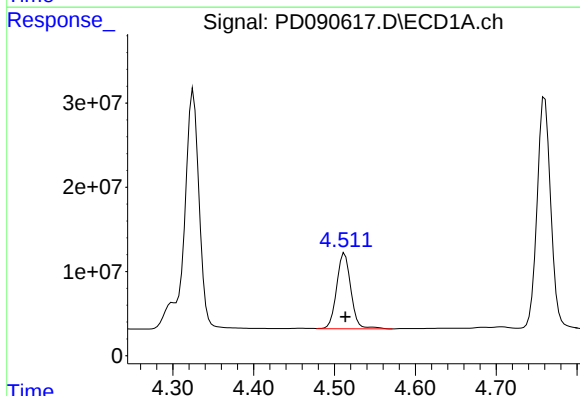
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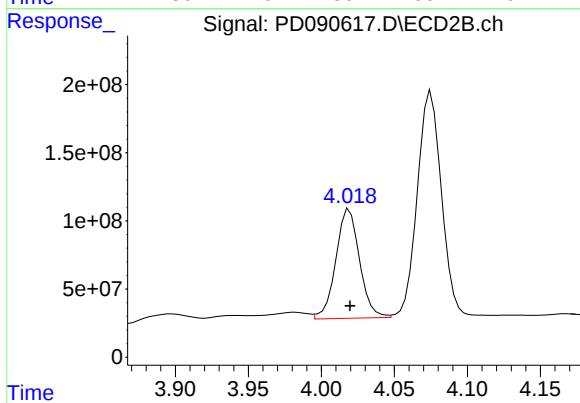
#5 Aldrin

R.T.: 4.361 min  
Delta R.T.: -0.001 min  
Response: 1947961720  
Conc: 48.78 ng/ml



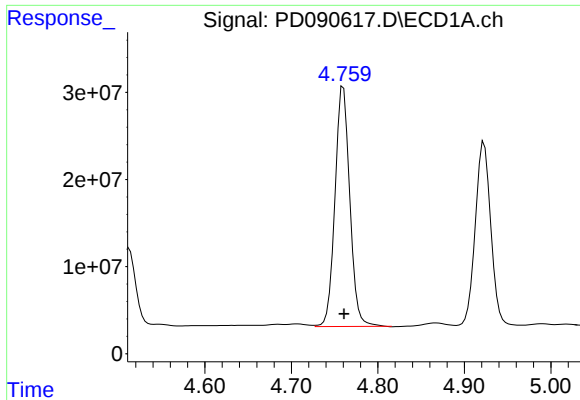
#6 beta-BHC

R.T.: 4.513 min  
Delta R.T.: 0.000 min  
Response: 109983022  
Conc: 42.63 ng/ml



#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 907703487  
Conc: 52.36 ng/ml



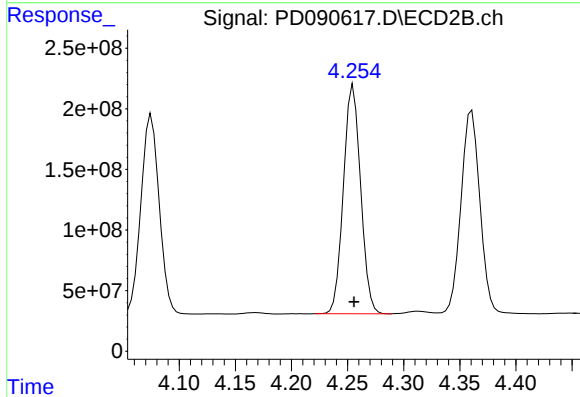
#7 delta-BHC

R.T.: 4.759 min  
Delta R.T.: -0.002 min  
Response: 326445853  
Conc: 50.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

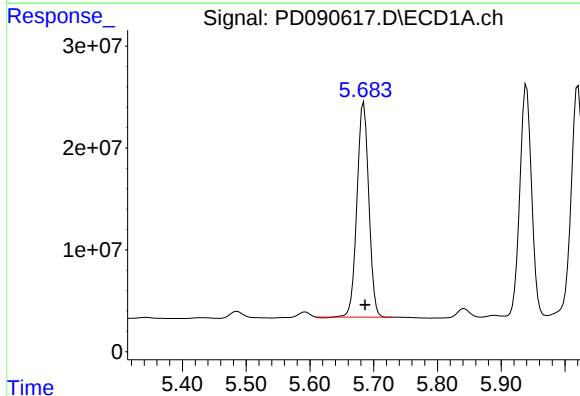
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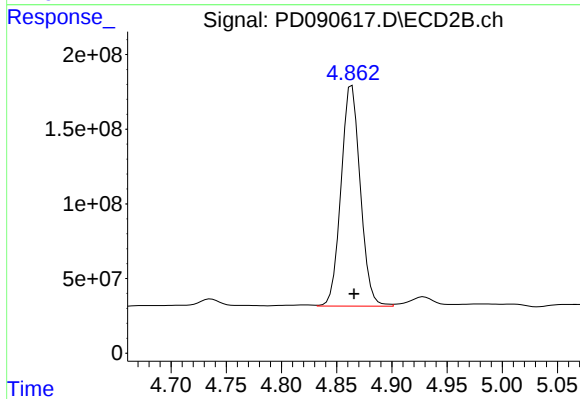
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 2014431354  
Conc: 48.78 ng/ml



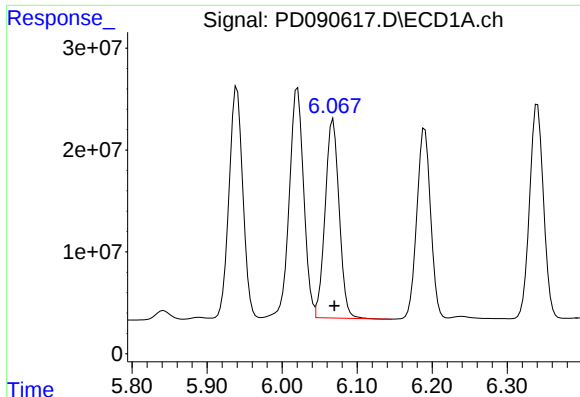
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: -0.002 min  
Response: 271298985  
Conc: 47.47 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: -0.002 min  
Response: 1792758102  
Conc: 48.63 ng/ml



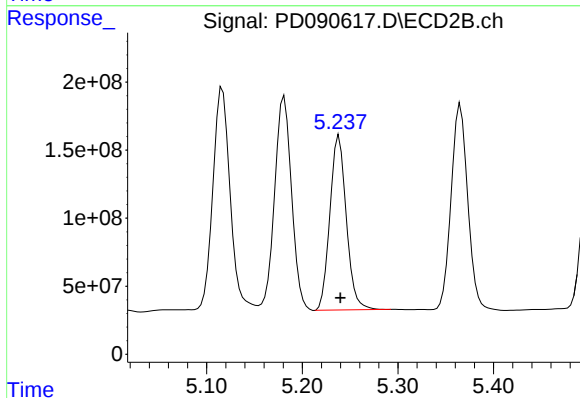
#9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: -0.002 min  
Response: 254113804  
Conc: 47.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

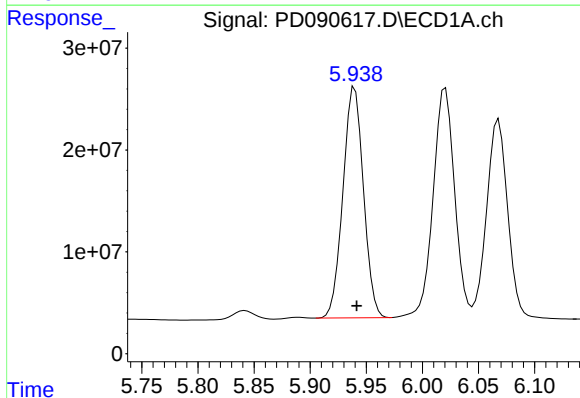
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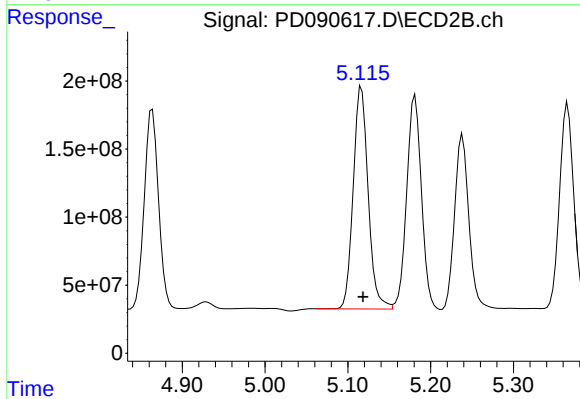
#9 Endosulfan I

R.T.: 5.239 min  
Delta R.T.: -0.001 min  
Response: 1525962841  
Conc: 44.10 ng/ml



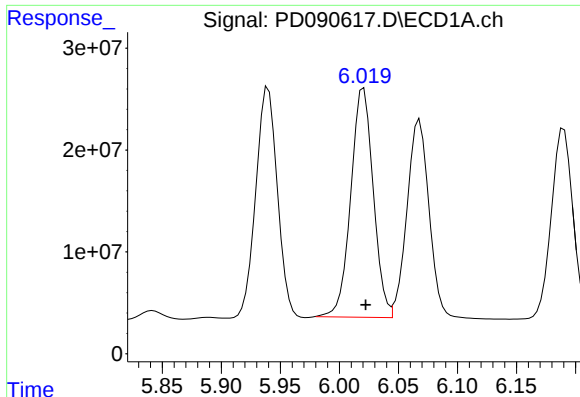
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: -0.002 min  
Response: 288009713  
Conc: 50.42 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min  
Delta R.T.: -0.002 min  
Response: 2051303983  
Conc: 52.21 ng/ml



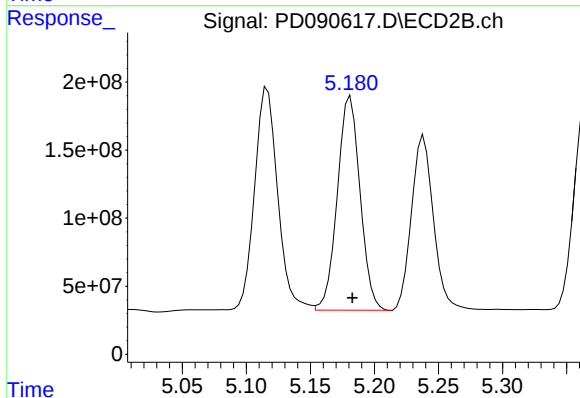
#11 alpha-Chlordane

R.T.: 6.021 min  
Delta R.T.: -0.002 min  
Response: 298373183  
Conc: 51.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

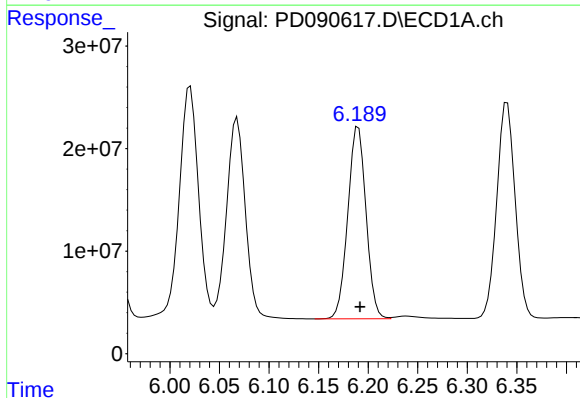
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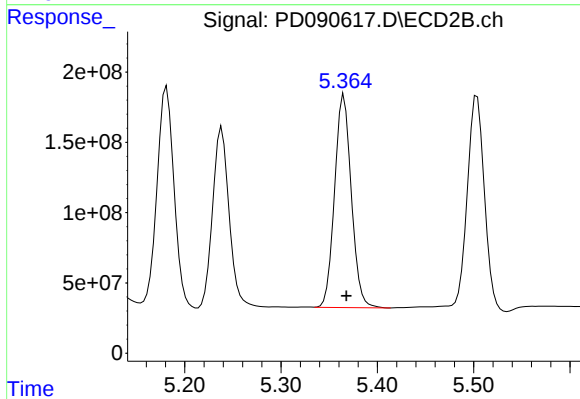
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: -0.002 min  
Response: 1941092934  
Conc: 51.54 ng/ml



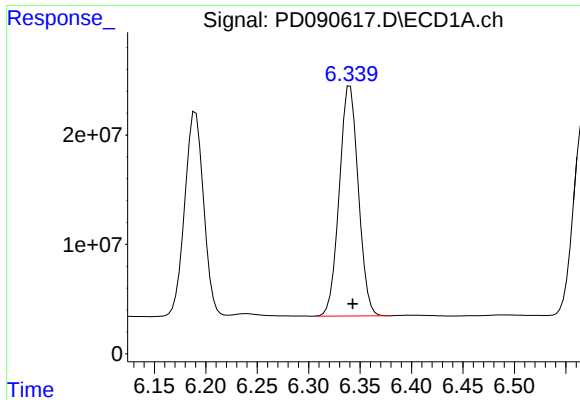
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: -0.002 min  
Response: 239812838  
Conc: 46.05 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min  
Delta R.T.: -0.002 min  
Response: 1827157428  
Conc: 47.73 ng/ml



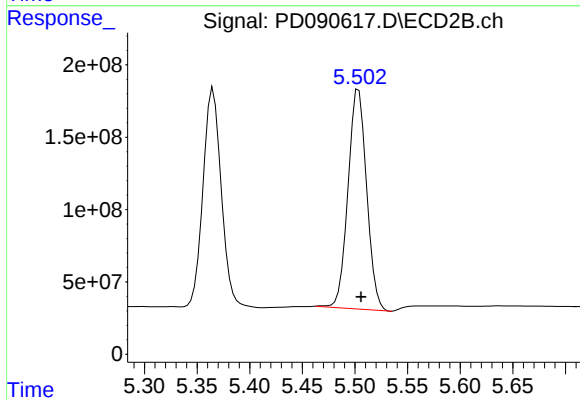
#13 Dieldrin

R.T.: 6.340 min  
Delta R.T.: -0.002 min  
Response: 270749386  
Conc: 46.97 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

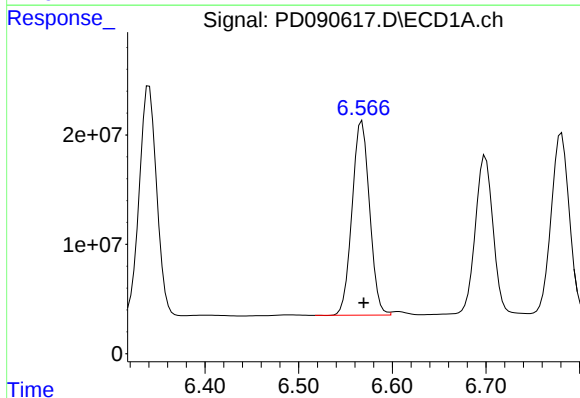
Manual Integrations  
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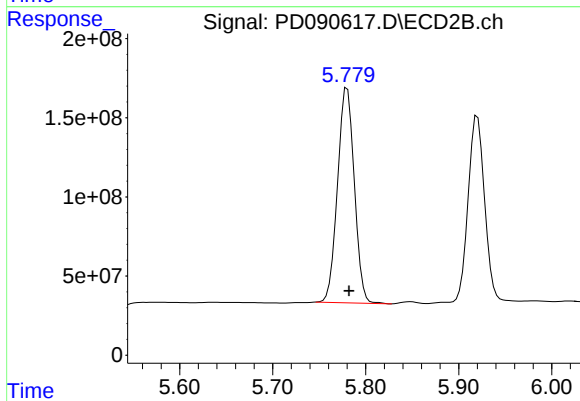
#13 Dieldrin

R.T.: 5.503 min  
Delta R.T.: -0.002 min  
Response: 1878745835  
Conc: 48.24 ng/ml



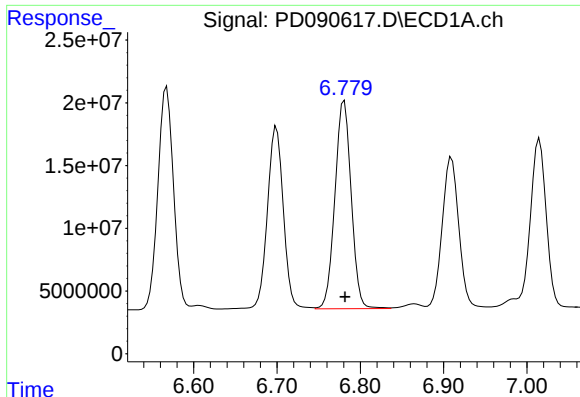
#14 Endrin

R.T.: 6.568 min  
Delta R.T.: -0.002 min  
Response: 230876920  
Conc: 47.18 ng/ml



#14 Endrin

R.T.: 5.780 min  
Delta R.T.: -0.002 min  
Response: 1705573834  
Conc: 47.60 ng/ml



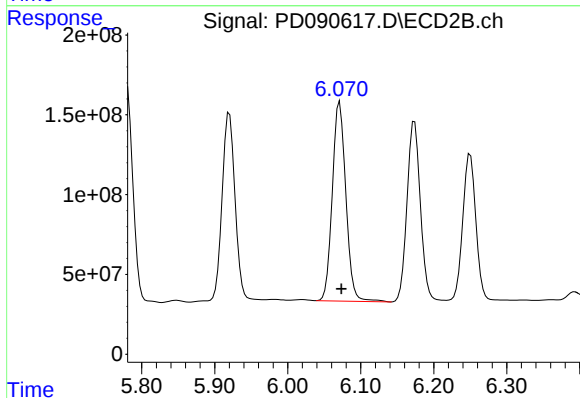
#15 Endosulfan II

R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 225576927  
Conc: 46.25 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

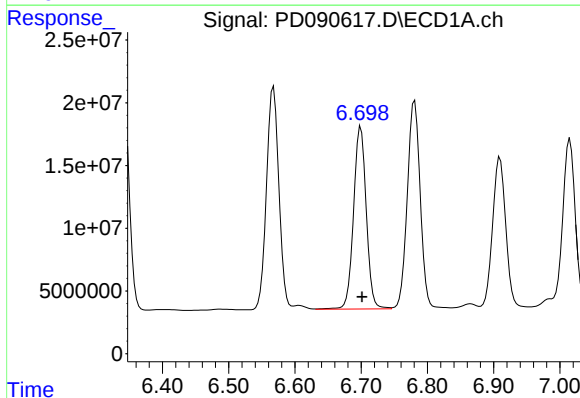
Manual Integrations  
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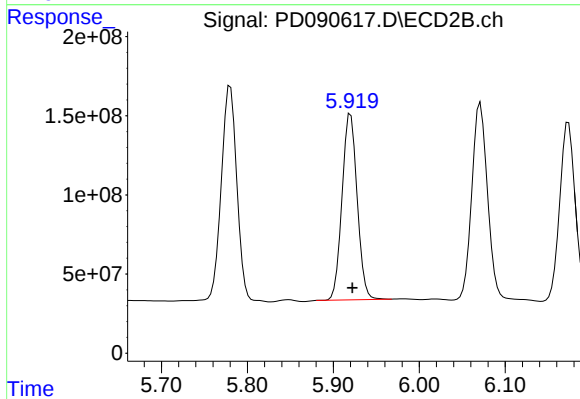
#15 Endosulfan II

R.T.: 6.071 min  
Delta R.T.: -0.002 min  
Response: 1611443821  
Conc: 47.75 ng/ml



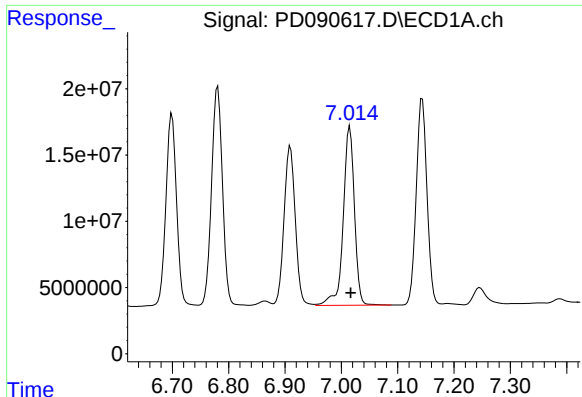
#16 4,4'-DDD

R.T.: 6.699 min  
Delta R.T.: -0.002 min  
Response: 194238520  
Conc: 47.40 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min  
Delta R.T.: -0.002 min  
Response: 1441253032  
Conc: 44.44 ng/ml



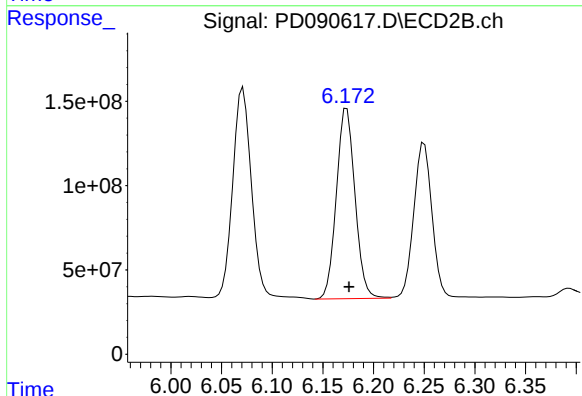
#17 4,4'-DDT

R.T.: 7.015 min  
Delta R.T.: -0.002 min  
Response: 186621638  
Conc: 41.91 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

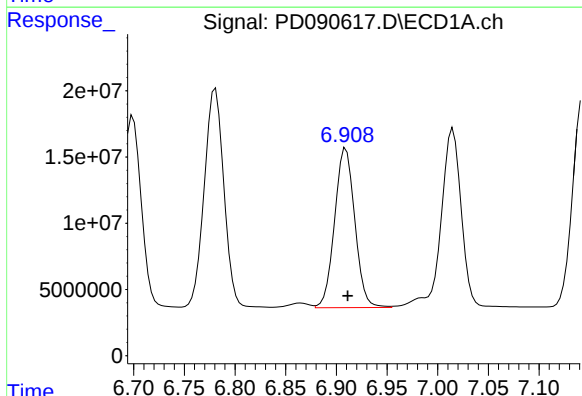
Manual Integrations  
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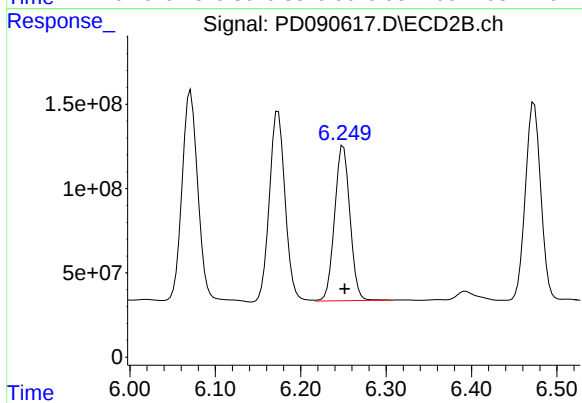
#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: -0.002 min  
Response: 1442720744  
Conc: 41.97 ng/ml



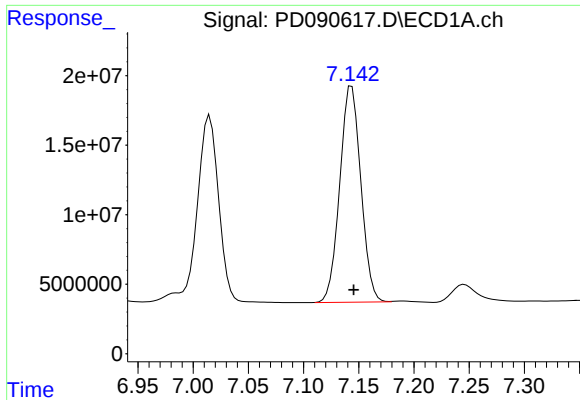
#18 Endrin aldehyde

R.T.: 6.910 min  
Delta R.T.: -0.002 min  
Response: 167303002  
Conc: 48.77 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: -0.002 min  
Response: 1149094257  
Conc: 48.80 ng/ml



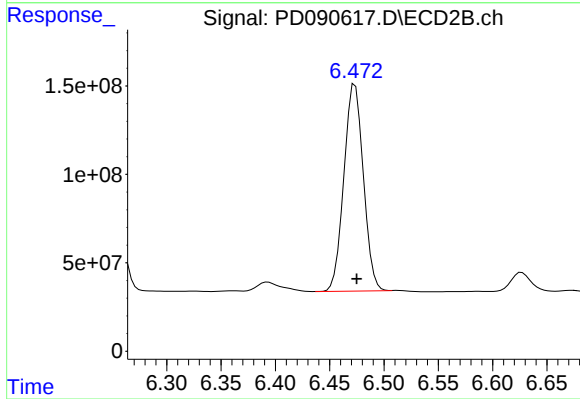
#19 Endosulfan Sulfate

R.T.: 7.144 min  
Delta R.T.: -0.002 min  
Response: 206627531  
Conc: 44.92 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

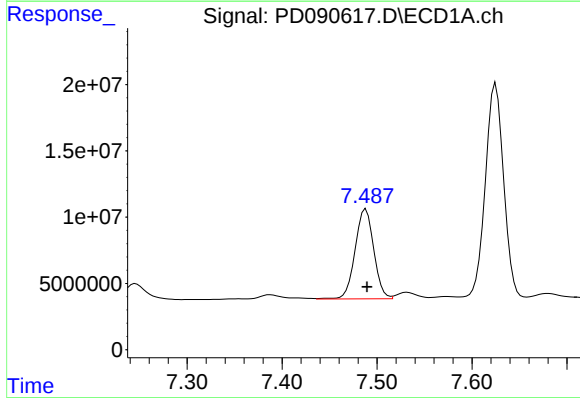
Manual Integrations  
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Reviewed By :Abdul Mirza 10/16/2025  
Supervised By :mohammad ahmed 10/17/2025



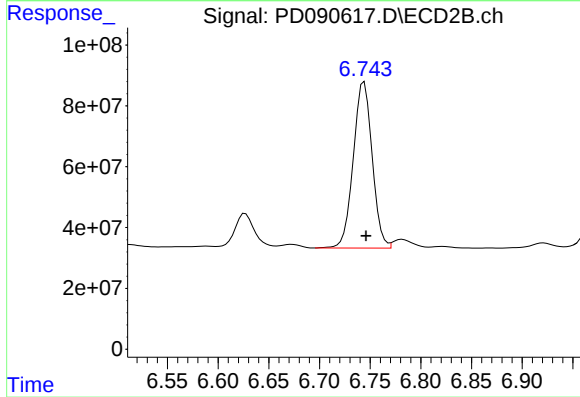
#19 Endosulfan Sulfate

R.T.: 6.473 min  
Delta R.T.: -0.002 min  
Response: 1459798539  
Conc: 44.66 ng/ml



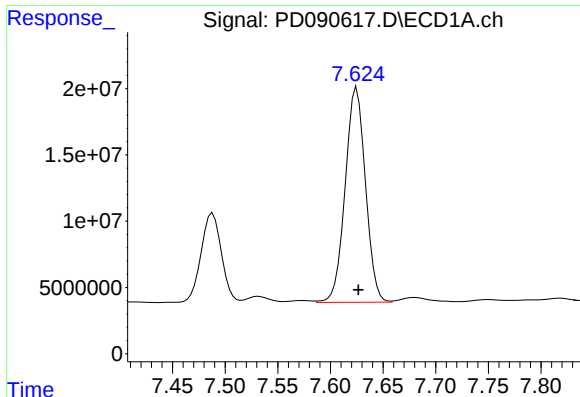
#20 Methoxychlor

R.T.: 7.488 min  
Delta R.T.: -0.001 min  
Response: 92728529  
Conc: 39.35 ng/ml



#20 Methoxychlor

R.T.: 6.744 min  
Delta R.T.: -0.002 min  
Response: 709821436  
Conc: 40.79 ng/ml



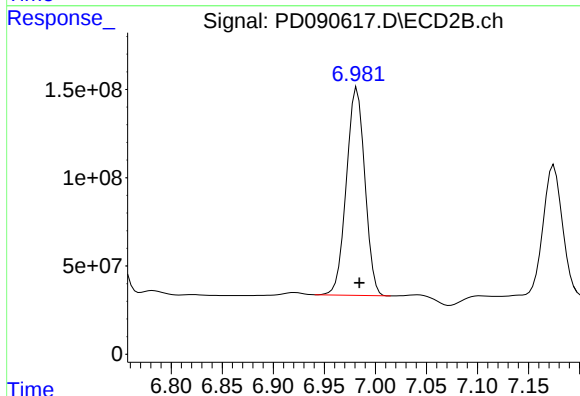
#21 Endrin ketone

R.T.: 7.625 min  
Delta R.T.: -0.002 min  
Response: 218112296  
Conc: 44.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

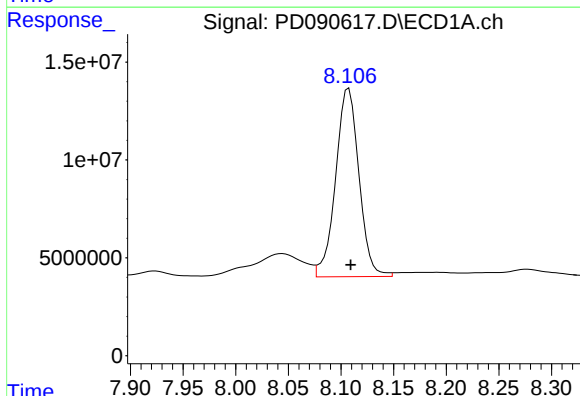
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/16/2025  
Supervised By :mohammad ahmed 10/17/2025



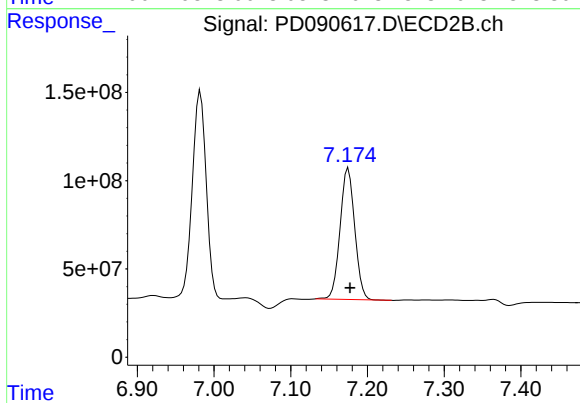
#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: -0.002 min  
Response: 1481941978  
Conc: 41.05 ng/ml



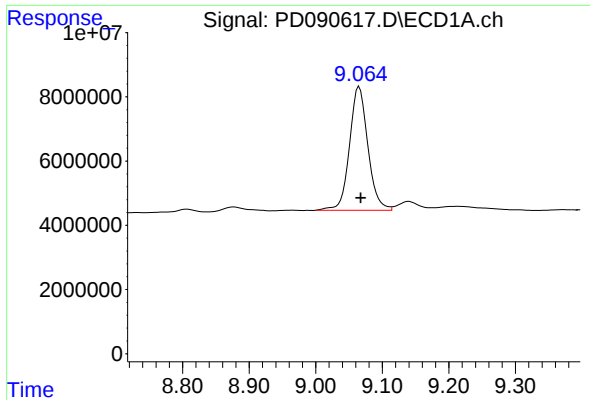
#22 Mirex

R.T.: 8.107 min  
Delta R.T.: -0.002 min  
Response: 148902272  
Conc: 40.19 ng/ml



#22 Mirex

R.T.: 7.175 min  
Delta R.T.: -0.002 min  
Response: 988433033  
Conc: 35.80 ng/ml



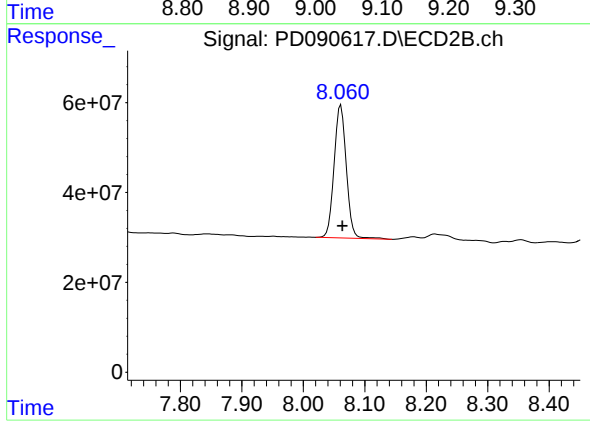
#28 Decachlorobiphenyl

R.T.: 9.065 min  
Delta R.T.: -0.002 min  
Response: 73850929  
Conc: 15.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
C-1MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 10/16/2025  
Supervised By :mohammad ahmed 10/17/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min  
Delta R.T.: -0.003 min  
Response: 410082230  
Conc: 12.65 ng/ml