

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101525\  
 Data File : PD090622.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 15 Oct 2025 20:25  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

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 09:47:07 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... | 3.545 | 2.875 | 138.1E6 | 1221.9E6 | 42.476  | 44.514 |
| 28)                         | SA Decachlor... | 9.066 | 8.062 | 266.2E6 | 1609.5E6 | 55.170  | 49.652 |
| Target Compounds            |                 |       |       |         |          |         |        |
| 2)                          | A alpha-BHC     | 3.994 | 3.387 | 407.1E6 | 2559.9E6 | 58.287  | 58.469 |
| 3)                          | MA gamma-BHC... | 4.325 | 3.723 | 383.3E6 | 2371.5E6 | 57.926  | 58.217 |
| 4)                          | MA Heptachlor   | 4.923 | 4.075 | 313.2E6 | 2212.6E6 | 47.363  | 54.341 |
| 5)                          | MB Aldrin       | 5.264 | 4.360 | 366.7E6 | 2332.6E6 | 57.755  | 58.410 |
| 6)                          | B beta-BHC      | 4.512 | 4.019 | 143.2E6 | 988.5E6  | 55.495  | 57.020 |
| 7)                          | B delta-BHC     | 4.759 | 4.255 | 379.5E6 | 2383.1E6 | 58.775m | 57.711 |
| 8)                          | B Heptachlo...  | 5.684 | 4.864 | 323.3E6 | 2091.2E6 | 56.576  | 56.727 |
| 9)                          | A Endosulfan I  | 6.068 | 5.238 | 302.6E6 | 1855.0E6 | 56.024  | 53.605 |
| 10)                         | B gamma-Chl...  | 5.940 | 5.116 | 325.0E6 | 2255.2E6 | 56.894  | 57.404 |
| 11)                         | B alpha-Chl...  | 6.021 | 5.182 | 327.1E6 | 2157.6E6 | 56.779  | 57.283 |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.366 | 297.7E6 | 2206.5E6 | 57.164  | 57.643 |
| 13)                         | MA Dieldrin     | 6.341 | 5.504 | 325.7E6 | 2214.2E6 | 56.493  | 56.854 |
| 14)                         | MA Endrin       | 6.569 | 5.781 | 280.4E6 | 2050.8E6 | 57.302  | 57.234 |
| 15)                         | B Endosulfa...  | 6.781 | 6.072 | 283.0E6 | 1877.1E6 | 58.025  | 55.617 |
| 16)                         | A 4,4'-DDD      | 6.701 | 5.920 | 238.9E6 | 1806.8E6 | 58.300  | 55.719 |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.174 | 228.4E6 | 1754.0E6 | 51.292  | 51.019 |
| 18)                         | B Endrin al...  | 6.909 | 6.251 | 194.1E6 | 1352.2E6 | 56.565m | 57.426 |
| 19)                         | B Endosulfa...  | 7.145 | 6.474 | 246.5E6 | 1742.5E6 | 53.591  | 53.303 |
| 20)                         | A Methoxychlor  | 7.489 | 6.745 | 110.3E6 | 835.0E6  | 46.804  | 47.988 |
| 21)                         | B Endrin ke...  | 7.626 | 6.983 | 260.9E6 | 1830.0E6 | 52.726  | 50.690 |
| 22)                         | Mirex           | 8.107 | 7.176 | 178.2E6 | 1335.6E6 | 48.090m | 48.380 |
| -----                       |                 |       |       |         |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101525\  
Data File : PD090622.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 15 Oct 2025 20:25  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDCCC050

## Manual Integrations

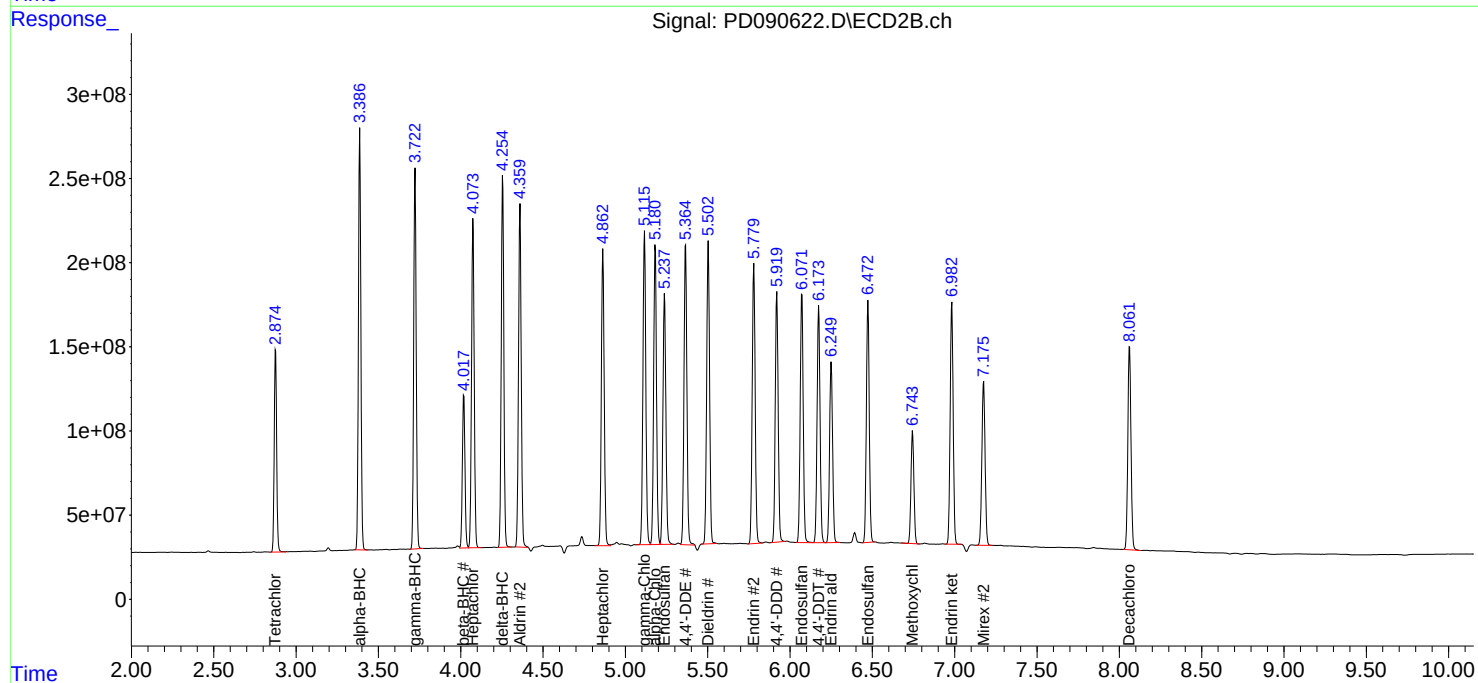
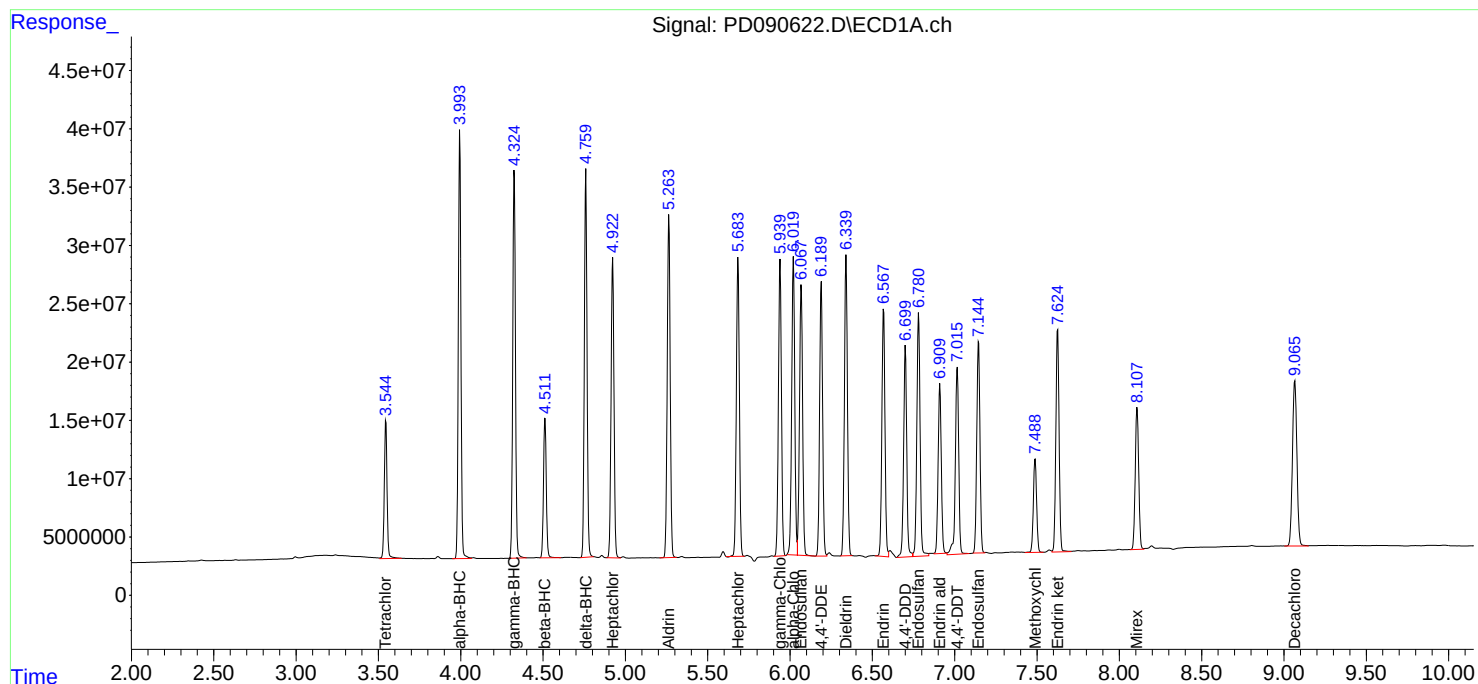
## APPROVED

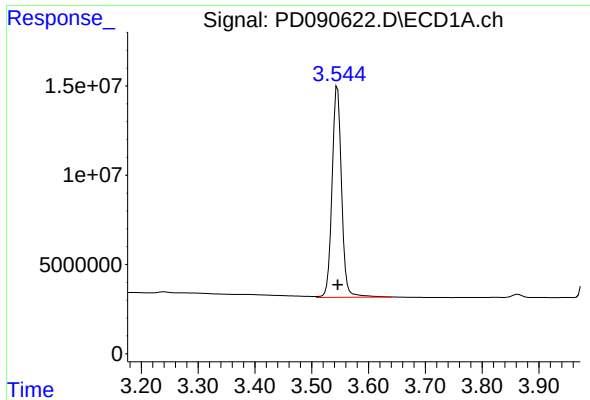
Reviewed By :Abdul Mirza 10/16/2025

Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 16 09:47:07 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





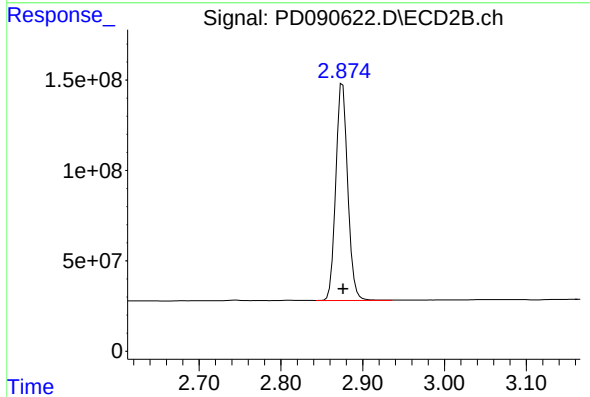
#1 Tetrachloro-m-xylene

R.T.: 3.545 min  
Delta R.T.: 0.000 min  
Response: 138065371  
Conc: 42.48 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

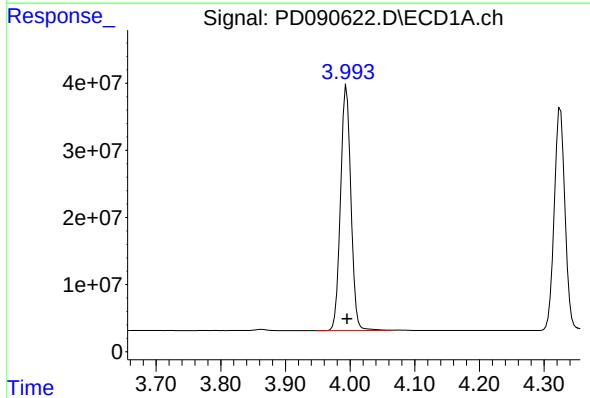
Manual Integrations  
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Supervised By :mohammad ahmed 10/17/2025



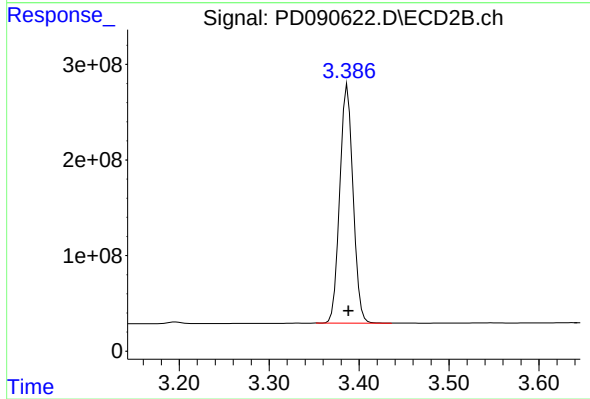
#1 Tetrachloro-m-xylene

R.T.: 2.875 min  
Delta R.T.: 0.000 min  
Response: 1221905698  
Conc: 44.51 ng/ml



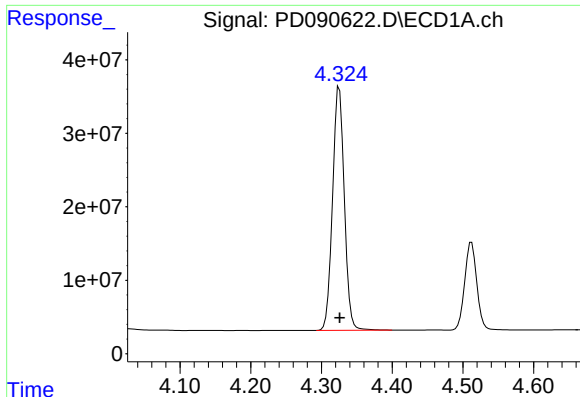
#2 alpha-BHC

R.T.: 3.994 min  
Delta R.T.: 0.000 min  
Response: 407109223  
Conc: 58.29 ng/ml



#2 alpha-BHC

R.T.: 3.387 min  
Delta R.T.: 0.000 min  
Response: 2559929325  
Conc: 58.47 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min  
Delta R.T.: 0.000 min  
Response: 383288575  
Conc: 57.93 ng/ml

Instrument :

ECD\_D

ClientSampleId :

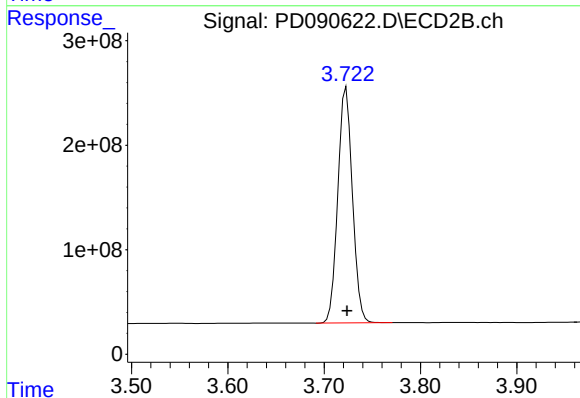
PSTDCCC050

Manual Integrations

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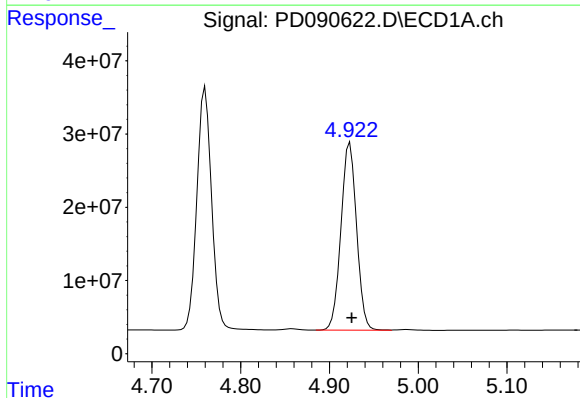
Reviewed By :Abdul Mirza 10/16/2025

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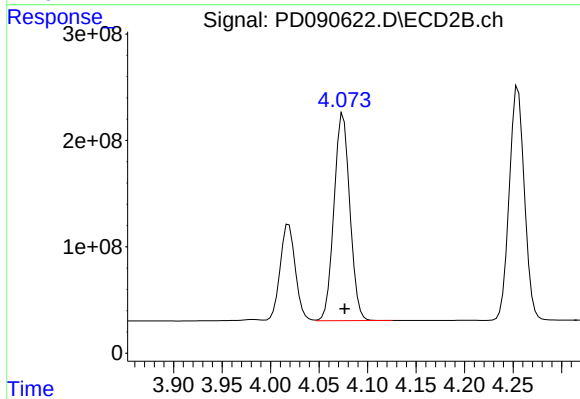
#3 gamma-BHC (Lindane)

R.T.: 3.723 min  
Delta R.T.: 0.000 min  
Response: 2371494214  
Conc: 58.22 ng/ml



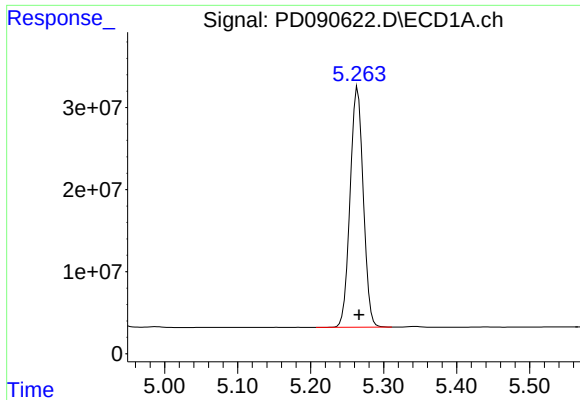
#4 Heptachlor

R.T.: 4.923 min  
Delta R.T.: -0.002 min  
Response: 313190832  
Conc: 47.36 ng/ml



#4 Heptachlor

R.T.: 4.075 min  
Delta R.T.: -0.002 min  
Response: 2212575909  
Conc: 54.34 ng/ml



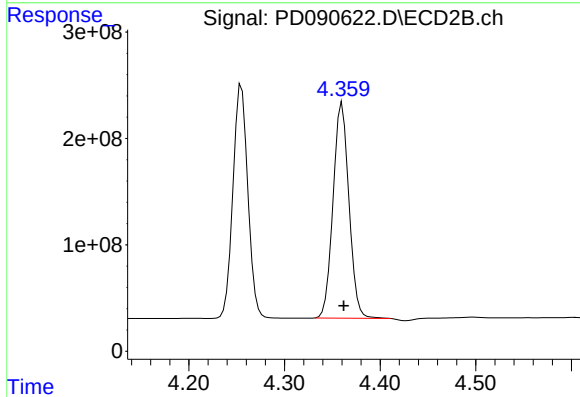
#5 Aldrin

R.T.: 5.264 min  
Delta R.T.: -0.002 min  
Response: 366742881  
Conc: 57.76 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

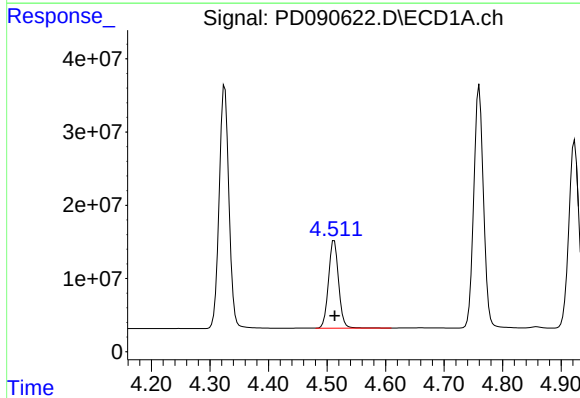
Manual Integrations  
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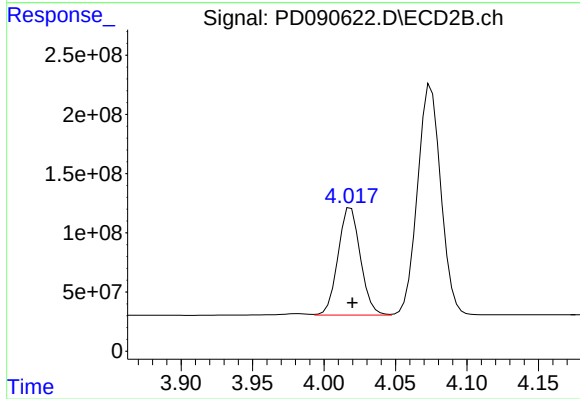
#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: -0.002 min  
Response: 2332615362  
Conc: 58.41 ng/ml



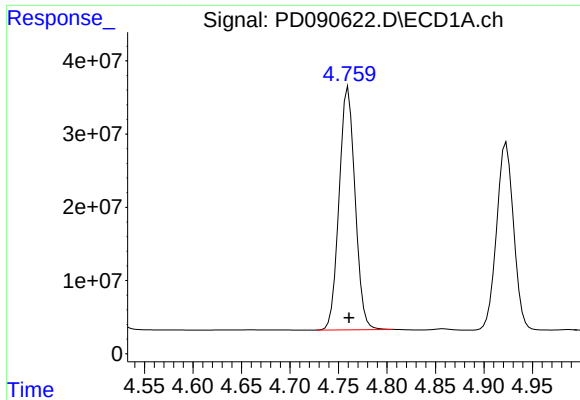
#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: -0.001 min  
Response: 143173162  
Conc: 55.50 ng/ml



#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 988464730  
Conc: 57.02 ng/ml



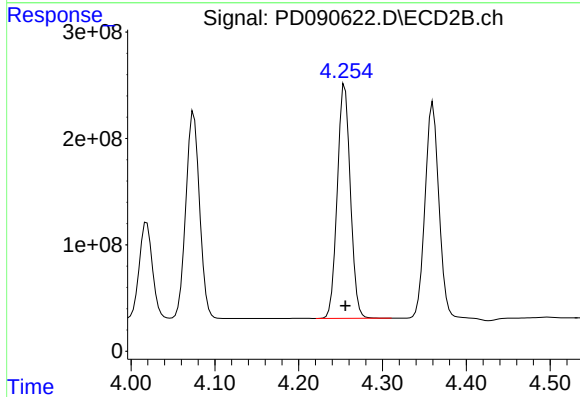
#7 delta-BHC

R.T.: 4.759 min  
Delta R.T.: -0.002 min  
Response: 379540738  
Conc: 58.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

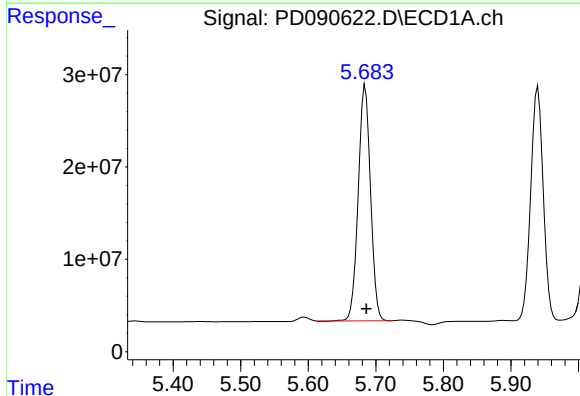
Manual Integrations  
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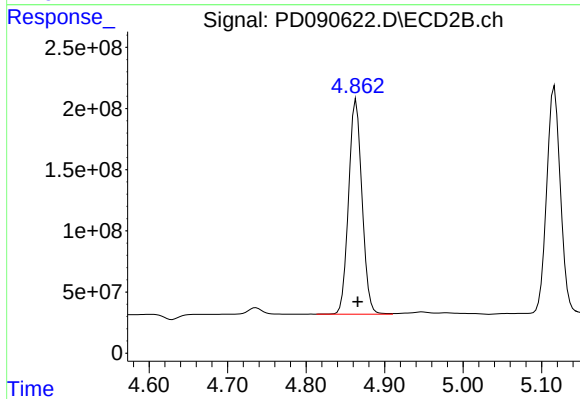
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 2383146021  
Conc: 57.71 ng/ml



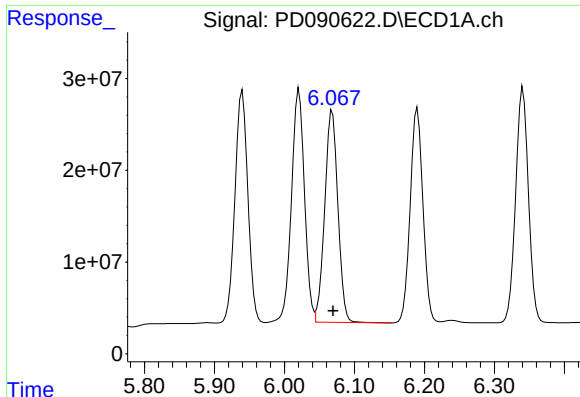
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: -0.002 min  
Response: 323328378  
Conc: 56.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: -0.002 min  
Response: 2091238321  
Conc: 56.73 ng/ml



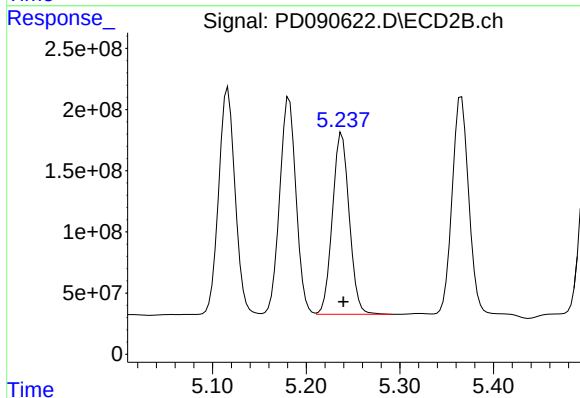
#9 Endosulfan I

R.T.: 6.068 min  
Delta R.T.: -0.001 min  
Response: 302612622  
Conc: 56.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

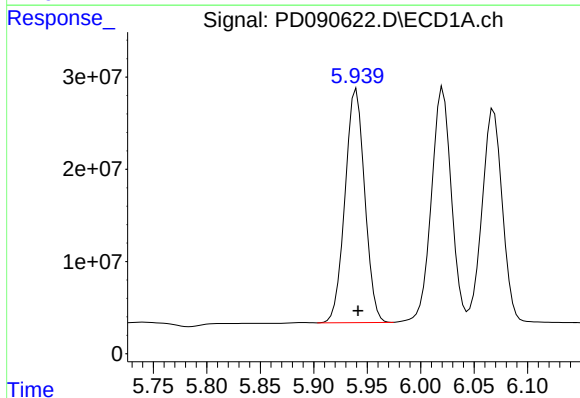
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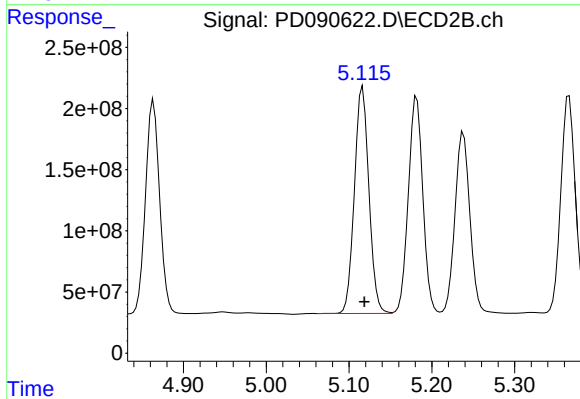
#9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: -0.002 min  
Response: 1855025812  
Conc: 53.61 ng/ml



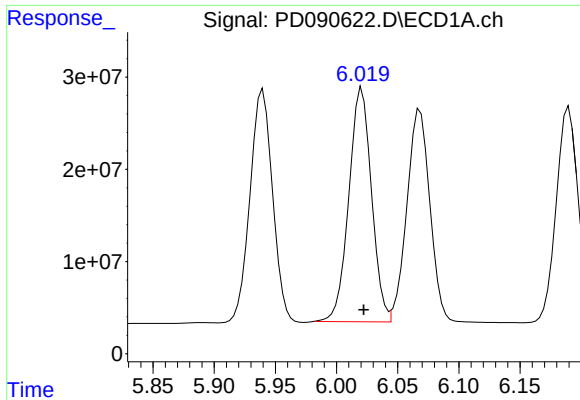
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: -0.002 min  
Response: 324974932  
Conc: 56.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min  
Delta R.T.: -0.002 min  
Response: 2255176341  
Conc: 57.40 ng/ml



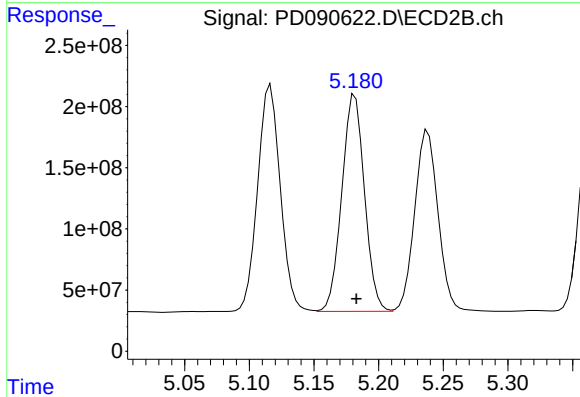
#11 alpha-Chlordane

R.T.: 6.021 min  
Delta R.T.: -0.001 min  
Response: 327095542  
Conc: 56.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

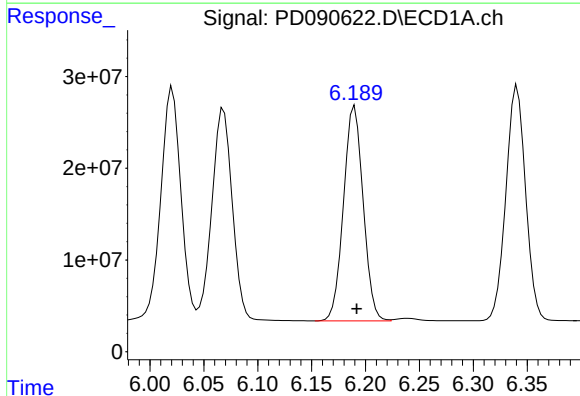
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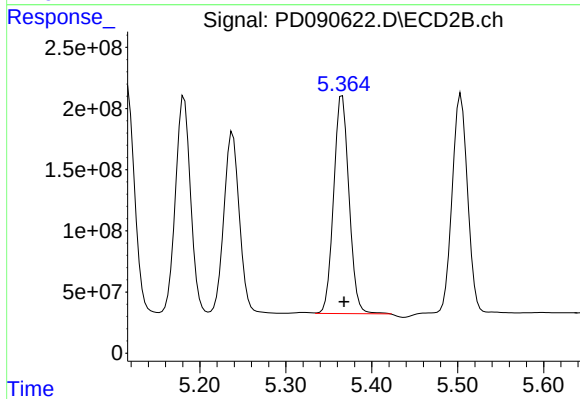
#11 alpha-Chlordane

R.T.: 5.182 min  
Delta R.T.: -0.001 min  
Response: 2157575604  
Conc: 57.28 ng/ml



#12 4,4'-DDE

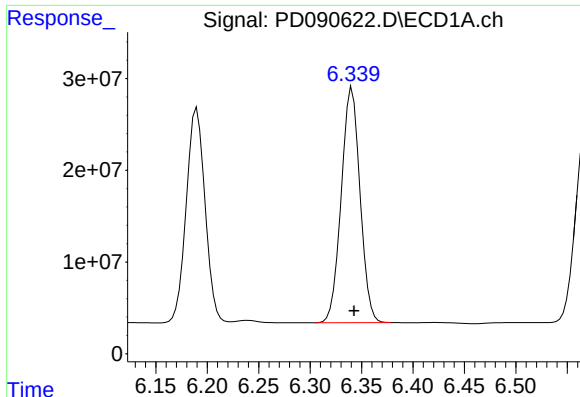
R.T.: 6.190 min  
Delta R.T.: -0.002 min  
Response: 297683618  
Conc: 57.16 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min  
Delta R.T.: -0.002 min  
Response: 2206522038  
Conc: 57.64 ng/ml





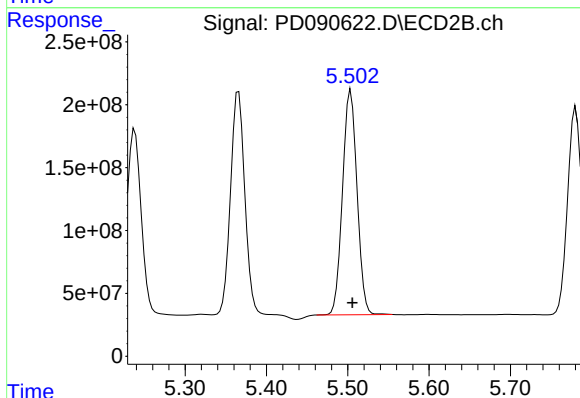
#13 Dieldrin

R.T.: 6.341 min  
Delta R.T.: -0.002 min  
Response: 325662264  
Conc: 56.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

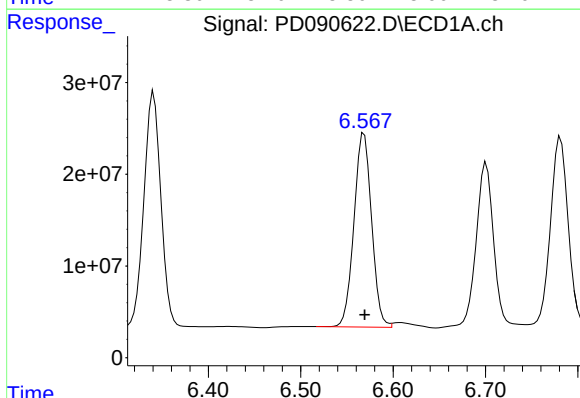
Manual Integrations  
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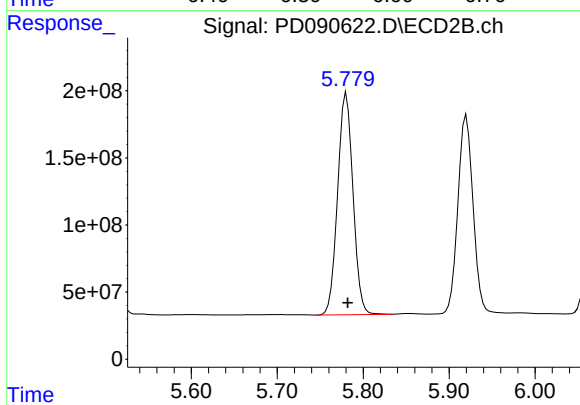
#13 Dieldrin

R.T.: 5.504 min  
Delta R.T.: -0.002 min  
Response: 2214238058  
Conc: 56.85 ng/ml



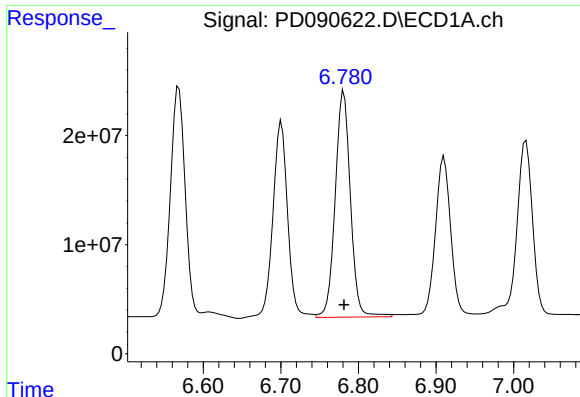
#14 Endrin

R.T.: 6.569 min  
Delta R.T.: 0.000 min  
Response: 280430593  
Conc: 57.30 ng/ml



#14 Endrin

R.T.: 5.781 min  
Delta R.T.: -0.002 min  
Response: 2050819353  
Conc: 57.23 ng/ml



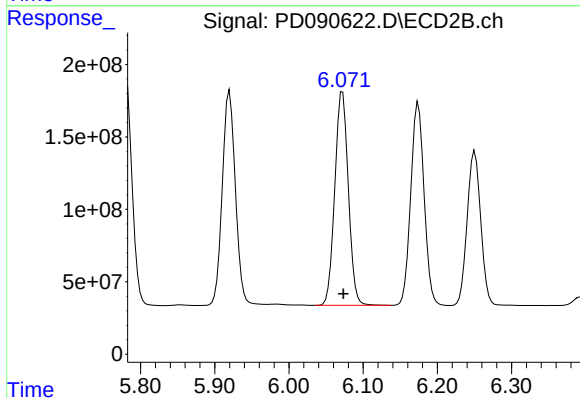
#15 Endosulfan II

R.T.: 6.781 min  
Delta R.T.: 0.000 min  
Response: 283033032  
Conc: 58.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

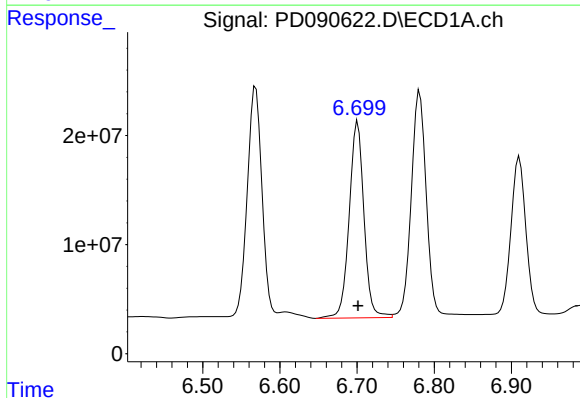
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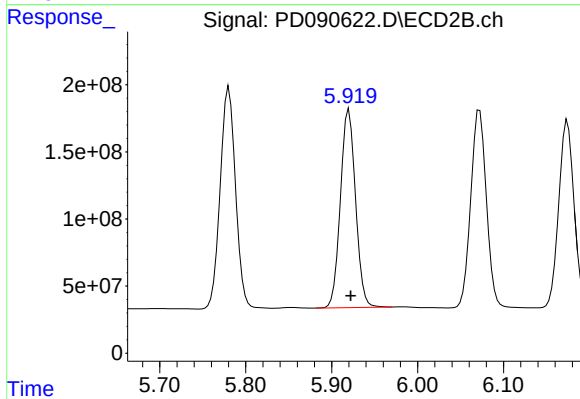
#15 Endosulfan II

R.T.: 6.072 min  
Delta R.T.: 0.000 min  
Response: 1877113839  
Conc: 55.62 ng/ml



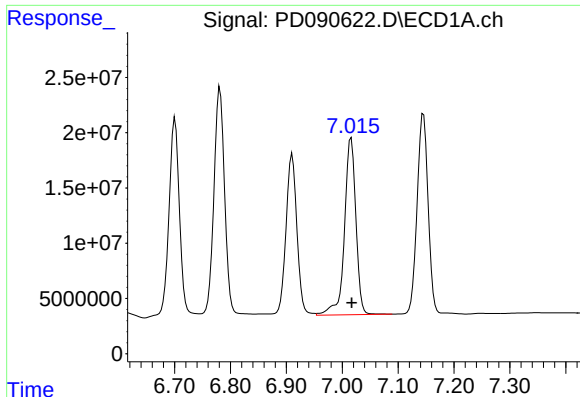
#16 4,4'-DDD

R.T.: 6.701 min  
Delta R.T.: 0.000 min  
Response: 238904398  
Conc: 58.30 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min  
Delta R.T.: -0.002 min  
Response: 1806848556  
Conc: 55.72 ng/ml



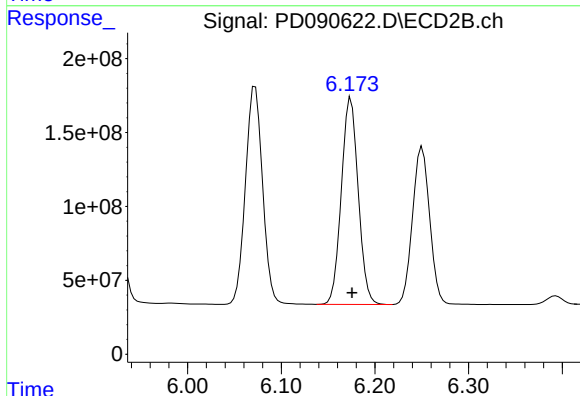
#17 4,4'-DDT

R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 228376403  
Conc: 51.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

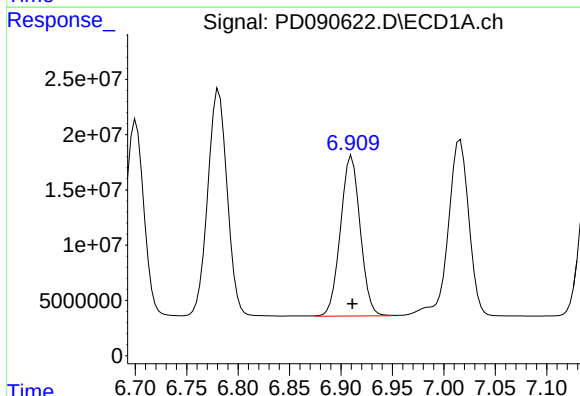
Manual Integrations  
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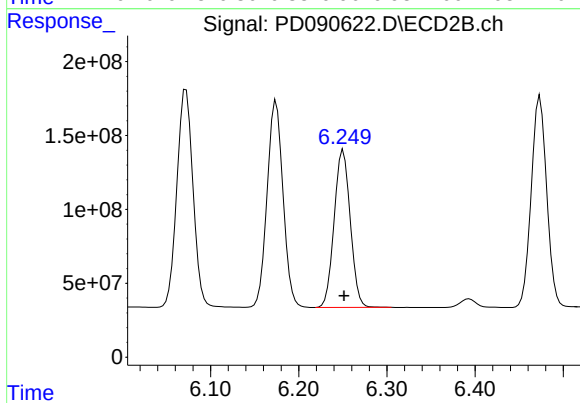
#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: -0.001 min  
Response: 1753976743  
Conc: 51.02 ng/ml



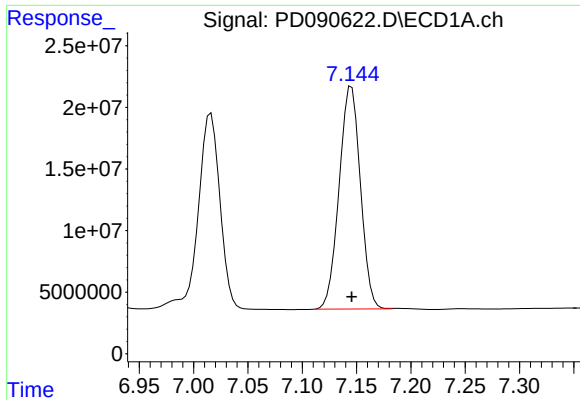
#18 Endrin aldehyde

R.T.: 6.909 min  
Delta R.T.: -0.002 min  
Response: 194051286  
Conc: 56.57 ng/ml m



#18 Endrin aldehyde

R.T.: 6.251 min  
Delta R.T.: -0.001 min  
Response: 1352190045  
Conc: 57.43 ng/ml



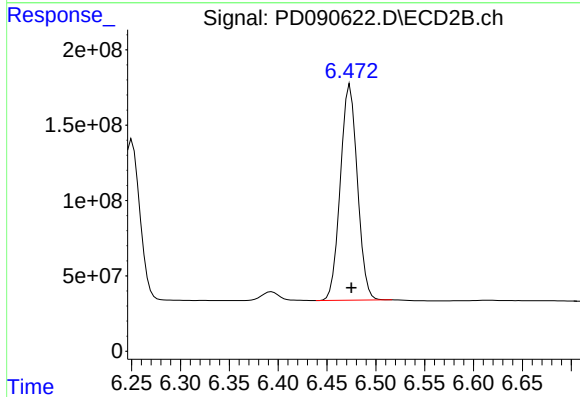
#19 Endosulfan Sulfate

R.T.: 7.145 min  
Delta R.T.: 0.000 min  
Response: 246538301  
Conc: 53.59 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

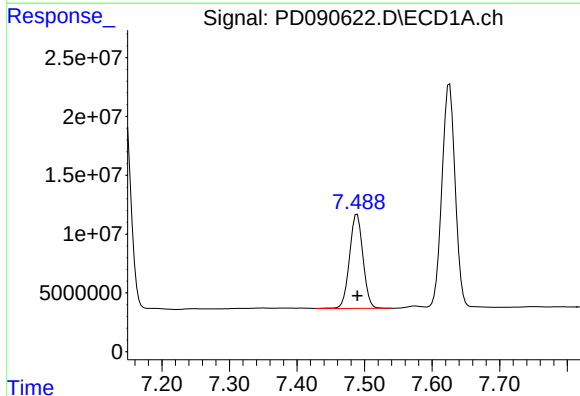
Manual Integrations  
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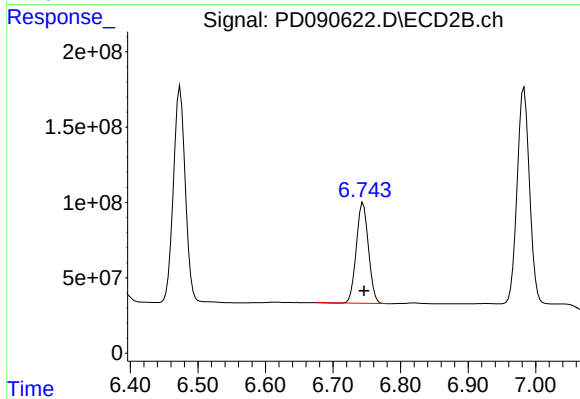
#19 Endosulfan Sulfate

R.T.: 6.474 min  
Delta R.T.: -0.001 min  
Response: 1742493726  
Conc: 53.30 ng/ml



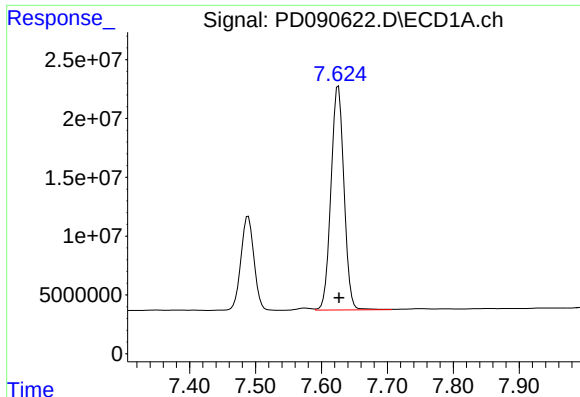
#20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 110294710  
Conc: 46.80 ng/ml



#20 Methoxychlor

R.T.: 6.745 min  
Delta R.T.: -0.001 min  
Response: 835013597  
Conc: 47.99 ng/ml



#21 Endrin ketone

R.T.: 7.626 min  
Delta R.T.: 0.000 min  
Response: 260854289  
Conc: 52.73 ng/ml

Instrument :

ECD\_D

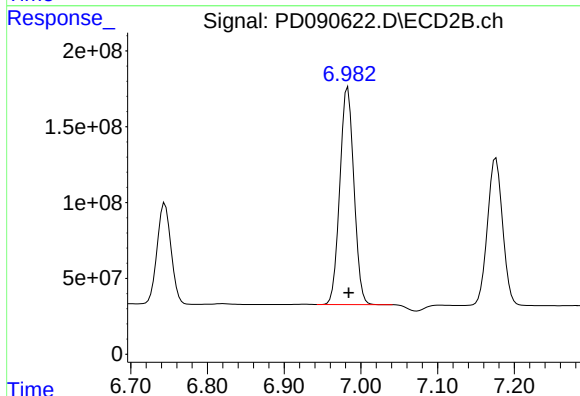
ClientSampleId :

PSTDCCC050

Manual Integrations

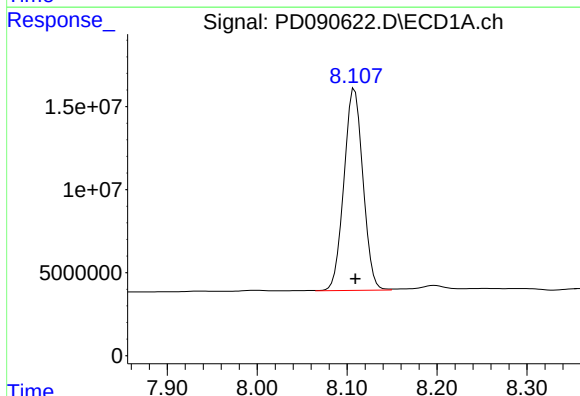
APPROVED

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



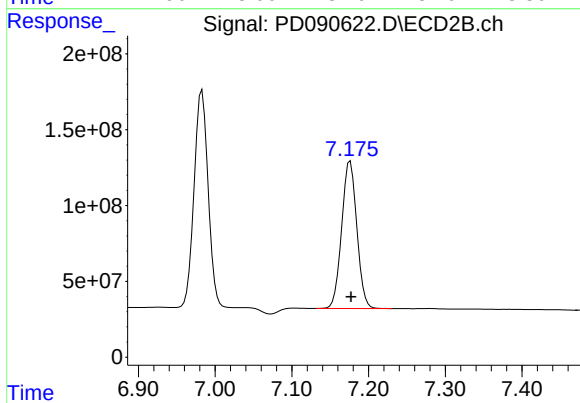
#21 Endrin ketone

R.T.: 6.983 min  
Delta R.T.: -0.001 min  
Response: 1830047700  
Conc: 50.69 ng/ml



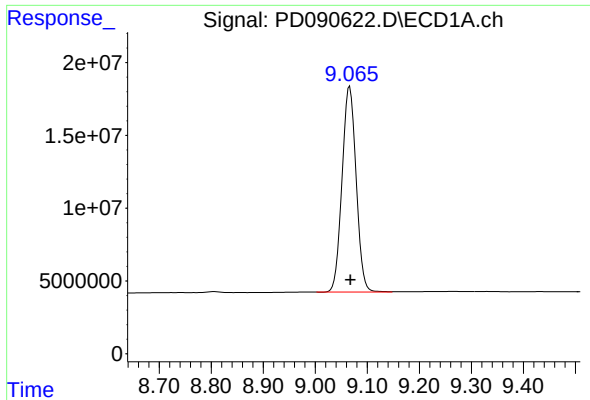
#22 Mirex

R.T.: 8.107 min  
Delta R.T.: -0.002 min  
Response: 178166570  
Conc: 48.09 ng/ml m



#22 Mirex

R.T.: 7.176 min  
Delta R.T.: -0.001 min  
Response: 1335575155  
Conc: 48.38 ng/ml



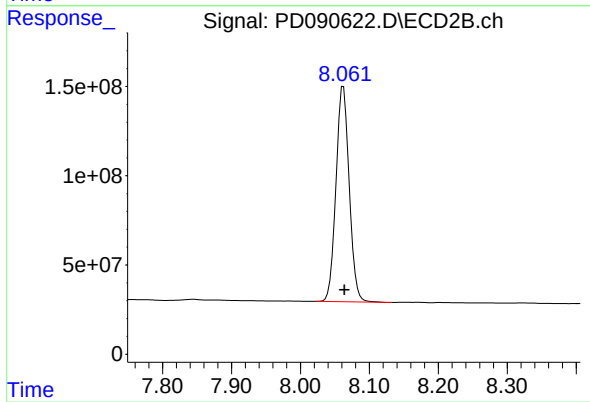
#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: -0.001 min  
Response: 266197953  
Conc: 55.17 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: -0.002 min  
Response: 1609458356  
Conc: 49.65 ng/ml