

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110525\  
 Data File : PD090978.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 05 Nov 2025 16:15  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 100 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/06/2025  
 Supervised By :mohammad ahmed 11/06/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 06 00:14:23 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... | 3.552 | 2.873 | 136.4E6 | 1394.1E6 | 43.800 | 46.817  |
| 28)                         | SA Decachlor... | 9.079 | 8.064 | 197.8E6 | 1465.4E6 | 42.280 | 48.376  |
| Target Compounds            |                 |       |       |         |          |        |         |
| 2)                          | A alpha-BHC     | 4.002 | 3.385 | 336.0E6 | 2427.7E6 | 46.809 | 47.513  |
| 3)                          | MA gamma-BHC... | 4.334 | 3.722 | 310.8E6 | 2214.4E6 | 45.717 | 46.866  |
| 4)                          | MA Heptachlor   | 4.932 | 4.074 | 314.9E6 | 2168.3E6 | 56.339 | 48.614  |
| 5)                          | MB Aldrin       | 5.273 | 4.360 | 296.1E6 | 2144.4E6 | 45.226 | 46.296  |
| 6)                          | B beta-BHC      | 4.521 | 4.018 | 115.5E6 | 905.9E6  | 44.094 | 45.685  |
| 7)                          | B delta-BHC     | 4.769 | 4.255 | 307.5E6 | 2188.2E6 | 45.470 | 45.857  |
| 8)                          | B Heptachlo...  | 5.693 | 4.864 | 266.5E6 | 1944.4E6 | 46.029 | 45.601  |
| 9)                          | A Endosulfan I  | 6.077 | 5.238 | 253.5E6 | 1745.1E6 | 45.786 | 44.302  |
| 10)                         | B gamma-Chl...  | 5.950 | 5.117 | 269.2E6 | 2061.0E6 | 45.388 | 45.852  |
| 11)                         | B alpha-Chl...  | 6.030 | 5.181 | 273.3E6 | 1968.4E6 | 44.217 | 45.630  |
| 12)                         | B 4,4'-DDE      | 6.200 | 5.366 | 241.2E6 | 2025.2E6 | 45.288 | 46.198  |
| 13)                         | MA Dieldrin     | 6.351 | 5.504 | 270.4E6 | 2055.9E6 | 46.374 | 46.530  |
| 14)                         | MA Endrin       | 6.578 | 5.781 | 233.3E6 | 1936.0E6 | 47.103 | 47.810  |
| 15)                         | B Endosulfa...  | 6.791 | 6.073 | 235.6E6 | 1779.1E6 | 47.122 | 47.374  |
| 16)                         | A 4,4'-DDD      | 6.710 | 5.921 | 204.6E6 | 1728.6E6 | 50.462 | 47.440  |
| 17)                         | MA 4,4'-DDT     | 7.026 | 6.175 | 205.6E6 | 1731.3E6 | 50.018 | 49.362  |
| 18)                         | B Endrin al...  | 6.920 | 6.251 | 173.1E6 | 1318.3E6 | 47.271 | 47.604  |
| 19)                         | B Endosulfa...  | 7.155 | 6.475 | 214.0E6 | 1701.3E6 | 46.142 | 47.464  |
| 20)                         | A Methoxychlor  | 7.500 | 6.746 | 112.2E6 | 872.3E6  | 52.809 | 50.053  |
| 21)                         | B Endrin ke...  | 7.636 | 6.983 | 242.7E6 | 1914.0E6 | 49.942 | 50.745m |
| 22)                         | Mirex           | 8.118 | 7.177 | 145.3E6 | 1206.4E6 | 45.383 | 46.960  |
| -----                       |                 |       |       |         |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110525\  
Data File : PD090978.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 05 Nov 2025 16:15  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 100 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDCCC050

## Manual Integrations

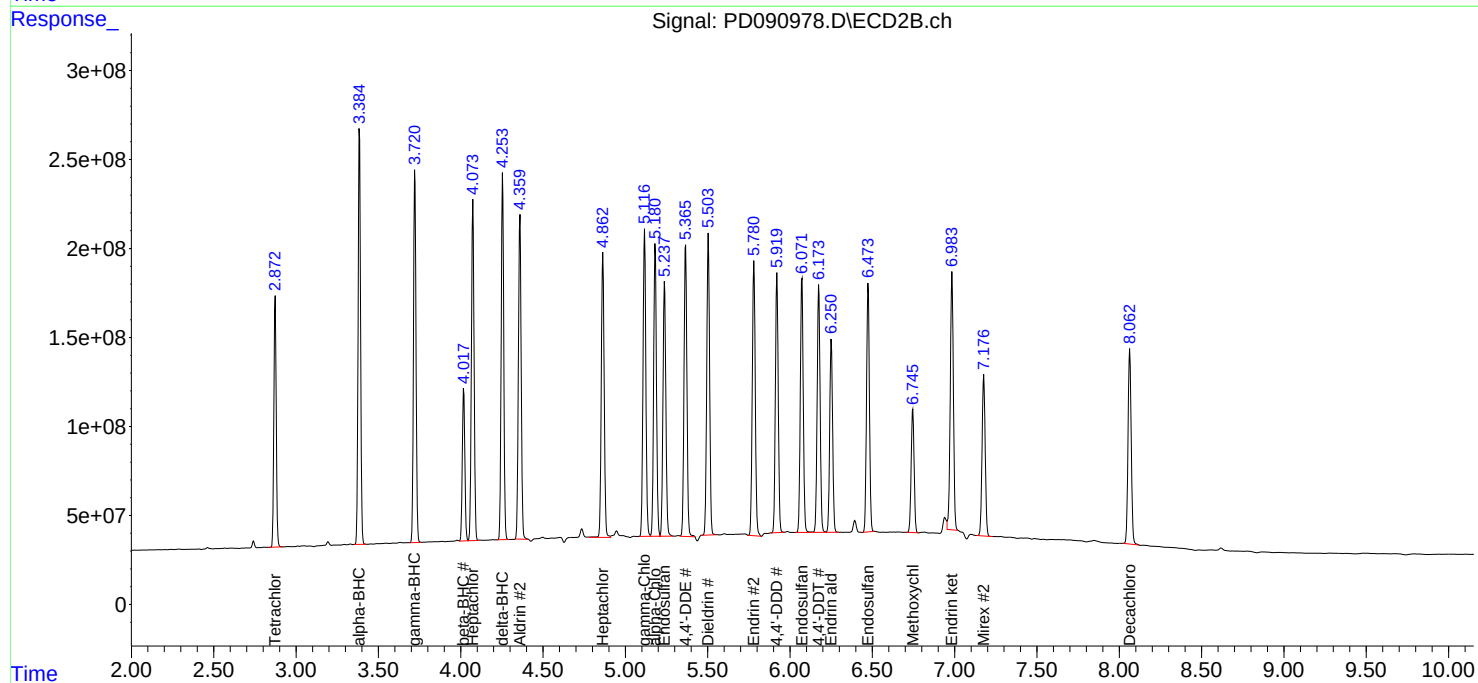
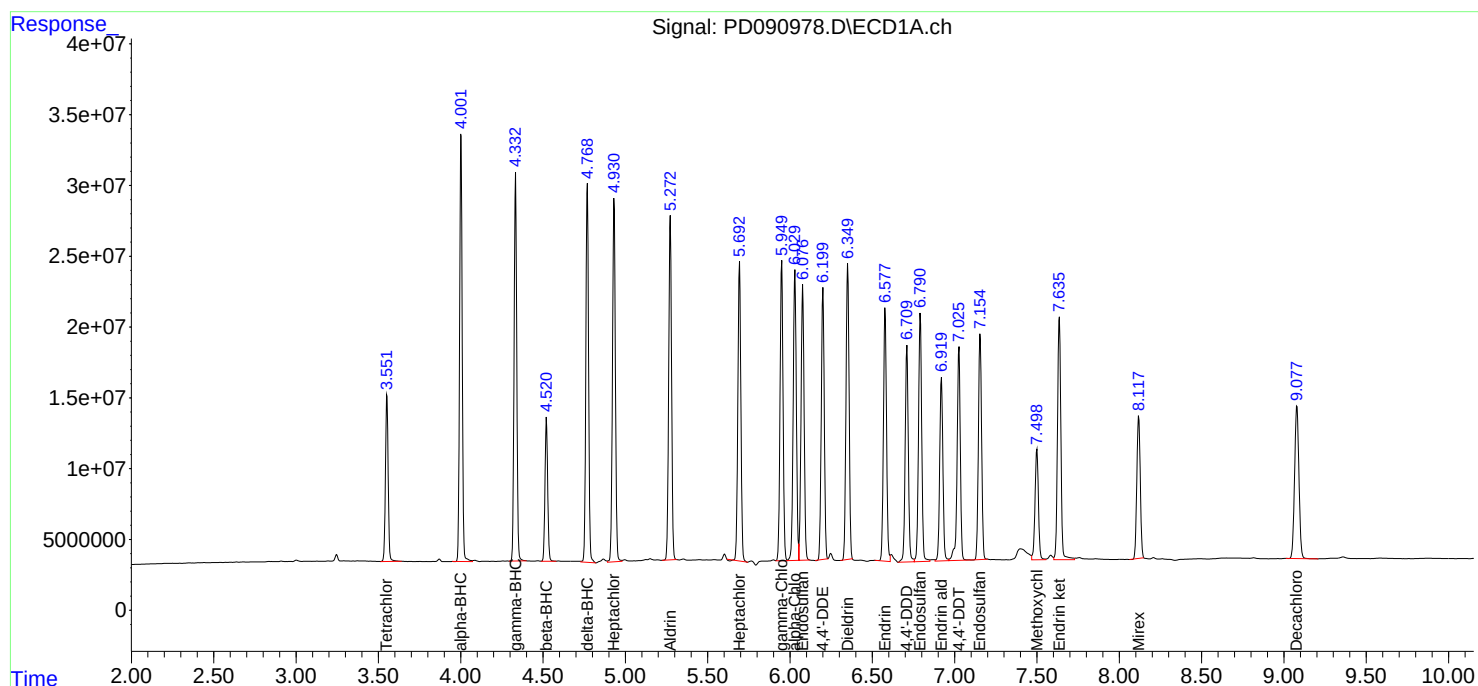
## APPROVED

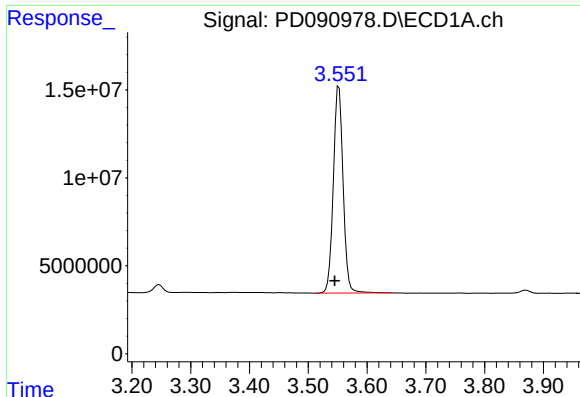
Reviewed By :Yogesh Patel 11/06/2025

Supervised By :mohammad ahmed 11/06/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 06 00:14:23 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





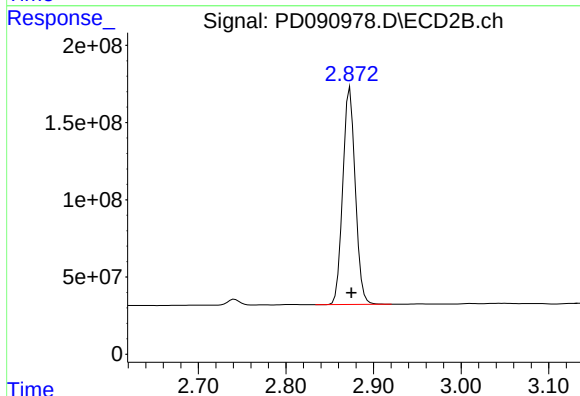
#1 Tetrachloro-m-xylene

R.T.: 3.552 min  
Delta R.T.: 0.007 min  
Response: 136401761  
Conc: 43.80 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

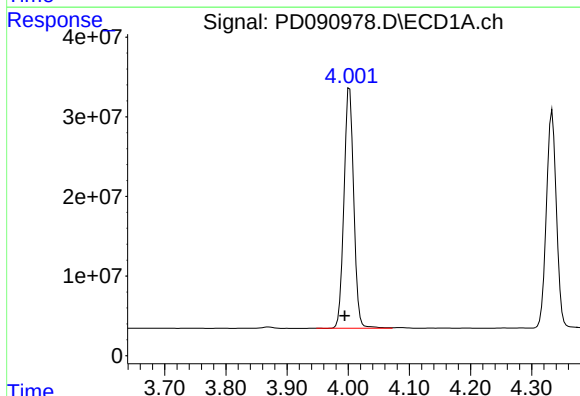
Manual Integrations  
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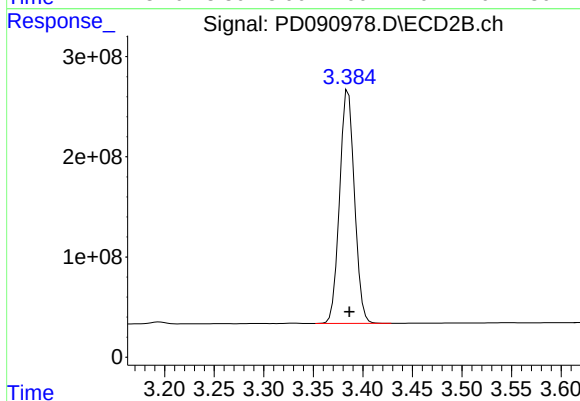
#1 Tetrachloro-m-xylene

R.T.: 2.873 min  
Delta R.T.: -0.001 min  
Response: 1394081321  
Conc: 46.82 ng/ml



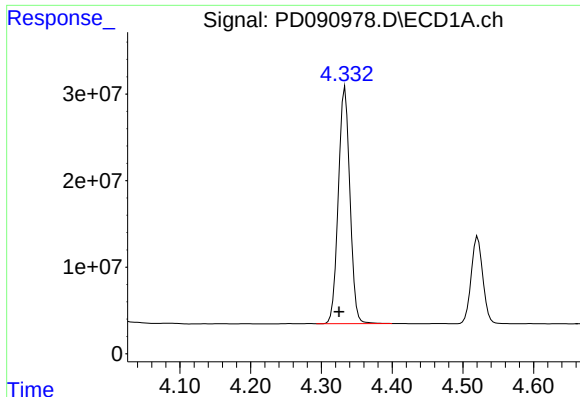
#2 alpha-BHC

R.T.: 4.002 min  
Delta R.T.: 0.008 min  
Response: 335958193  
Conc: 46.81 ng/ml



#2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: -0.001 min  
Response: 2427728323  
Conc: 47.51 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.334 min  
Delta R.T.: 0.009 min  
Response: 310820129  
Conc: 45.72 ng/ml

Instrument :

ECD\_D

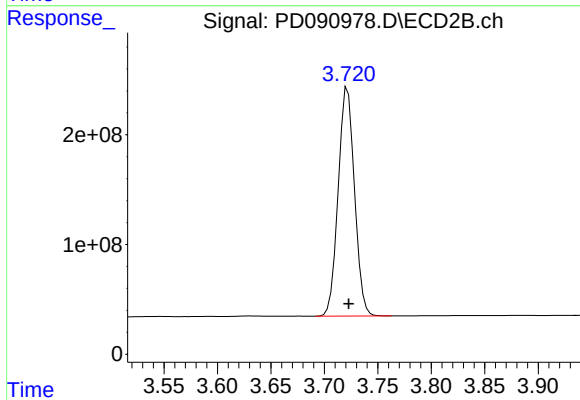
ClientSampleId :

PSTDCCC050

Manual Integrations

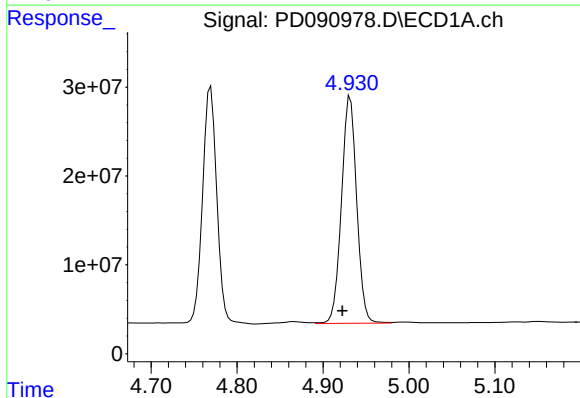
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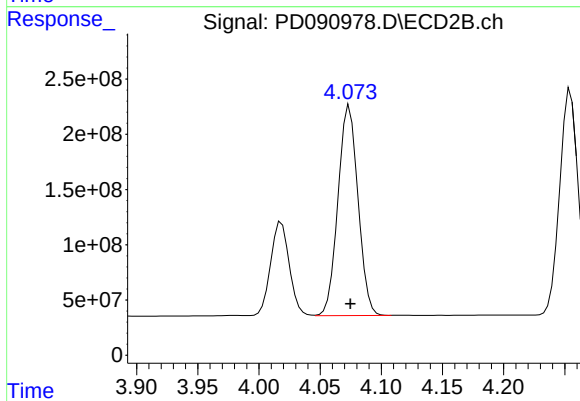
#3 gamma-BHC (Lindane)

R.T.: 3.722 min  
Delta R.T.: 0.000 min  
Response: 2214363317  
Conc: 46.87 ng/ml



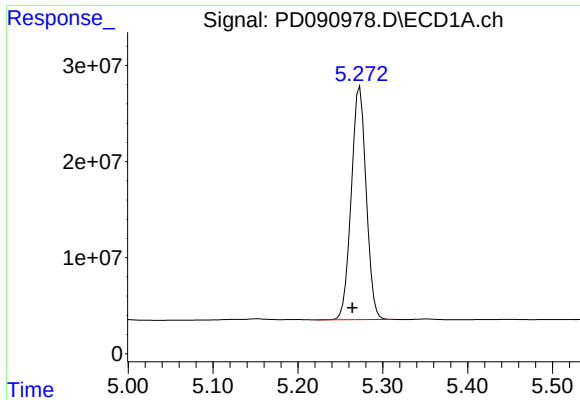
#4 Heptachlor

R.T.: 4.932 min  
Delta R.T.: 0.009 min  
Response: 314911717  
Conc: 56.34 ng/ml



#4 Heptachlor

R.T.: 4.074 min  
Delta R.T.: 0.000 min  
Response: 2168322210  
Conc: 48.61 ng/ml



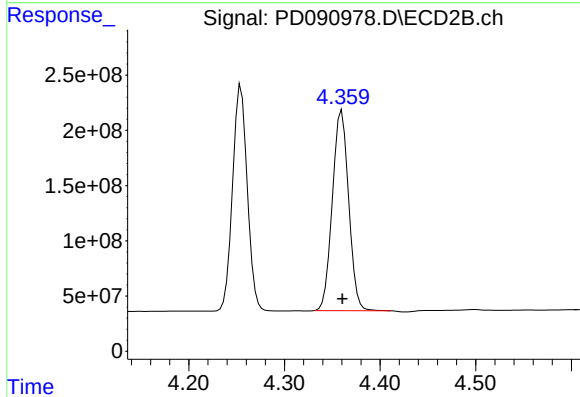
#5 Aldrin

R.T.: 5.273 min  
Delta R.T.: 0.009 min  
Response: 296109099  
Conc: 45.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

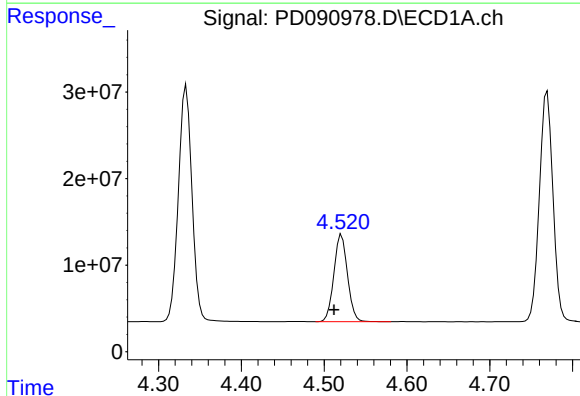
Manual Integrations  
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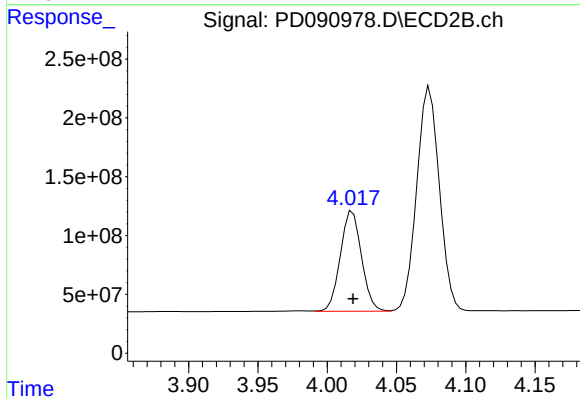
#5 Aldrin

R.T.: 4.360 min  
Delta R.T.: 0.000 min  
Response: 2144374305  
Conc: 46.30 ng/ml



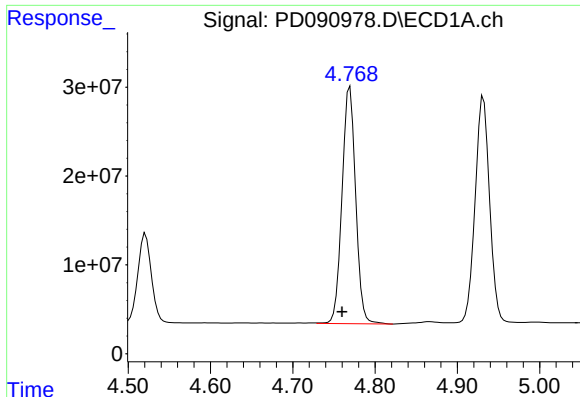
#6 beta-BHC

R.T.: 4.521 min  
Delta R.T.: 0.009 min  
Response: 115510687  
Conc: 44.09 ng/ml



#6 beta-BHC

R.T.: 4.018 min  
Delta R.T.: 0.000 min  
Response: 905917365  
Conc: 45.69 ng/ml



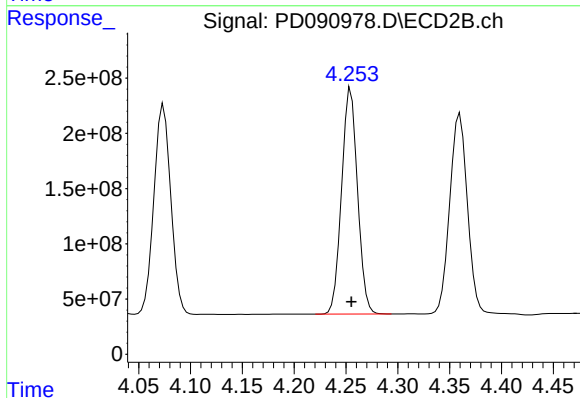
#7 delta-BHC

R.T.: 4.769 min  
Delta R.T.: 0.009 min  
Response: 307453694  
Conc: 45.47 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

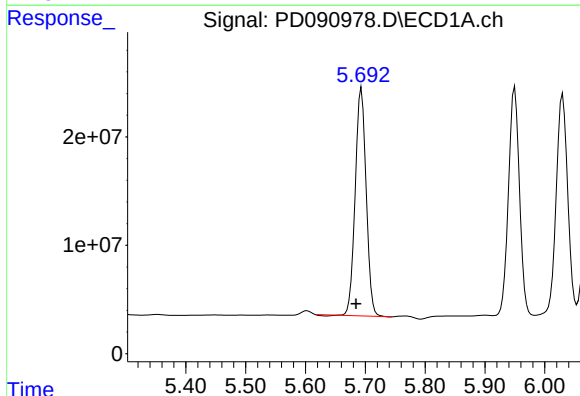
Manual Integrations  
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Reviewed By :Yogesh Patel 11/06/2025  
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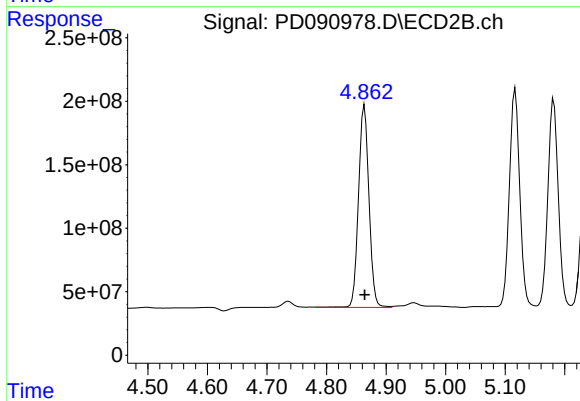
#7 delta-BHC

R.T.: 4.255 min  
Delta R.T.: 0.000 min  
Response: 2188151672  
Conc: 45.86 ng/ml



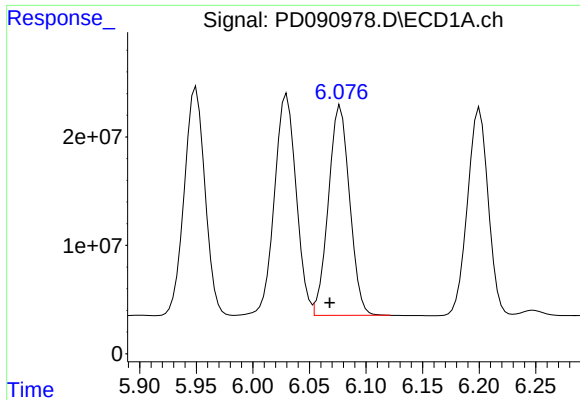
#8 Heptachlor epoxide

R.T.: 5.693 min  
Delta R.T.: 0.009 min  
Response: 266466056  
Conc: 46.03 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min  
Delta R.T.: 0.000 min  
Response: 1944363587  
Conc: 45.60 ng/ml



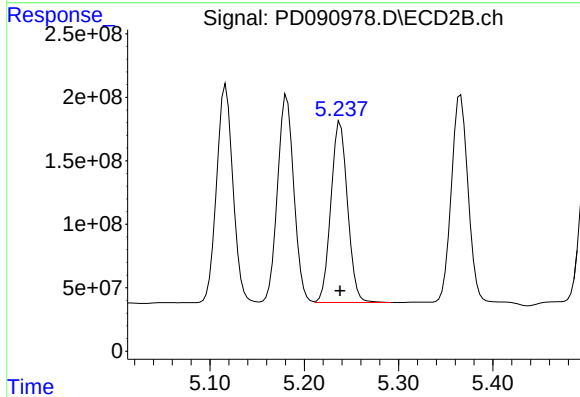
#9 Endosulfan I

R.T.: 6.077 min  
Delta R.T.: 0.009 min  
Response: 253498255  
Conc: 45.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

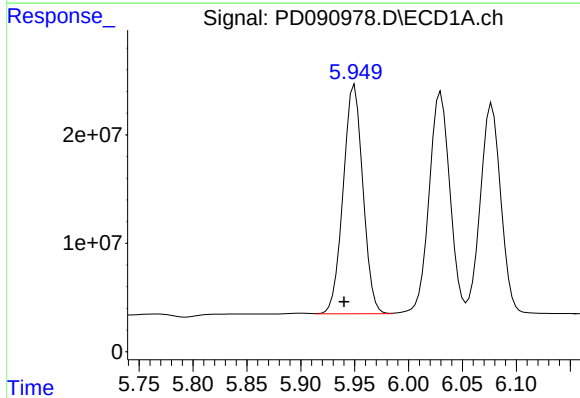
Manual Integrations  
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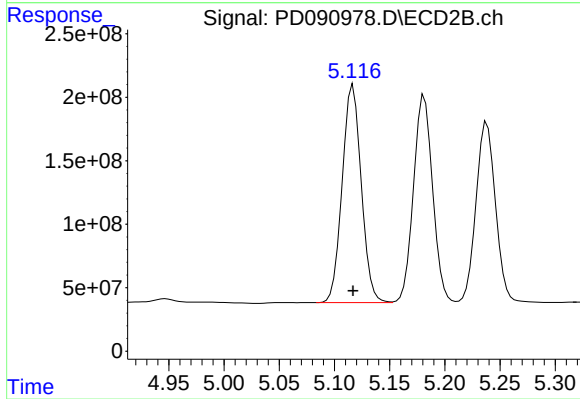
#9 Endosulfan I

R.T.: 5.238 min  
Delta R.T.: 0.000 min  
Response: 1745063890  
Conc: 44.30 ng/ml



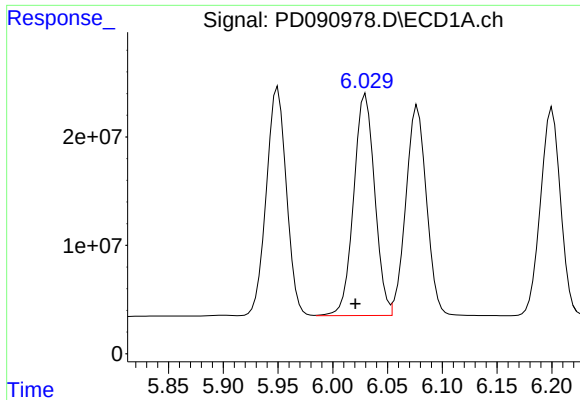
#10 gamma-Chlordane

R.T.: 5.950 min  
Delta R.T.: 0.010 min  
Response: 269205989  
Conc: 45.39 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min  
Delta R.T.: 0.000 min  
Response: 2060999690  
Conc: 45.85 ng/ml



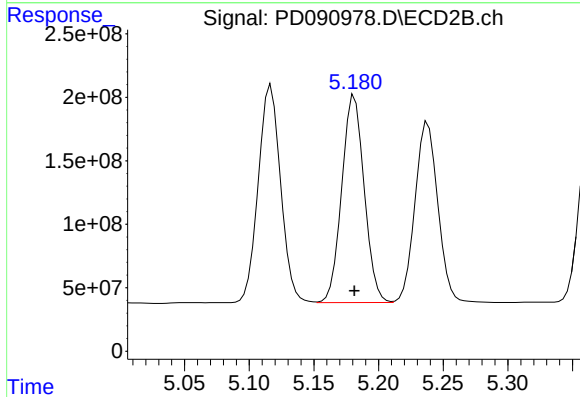
#11 alpha-Chlordane

R.T.: 6.030 min  
Delta R.T.: 0.009 min  
Response: 273272601  
Conc: 44.22 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

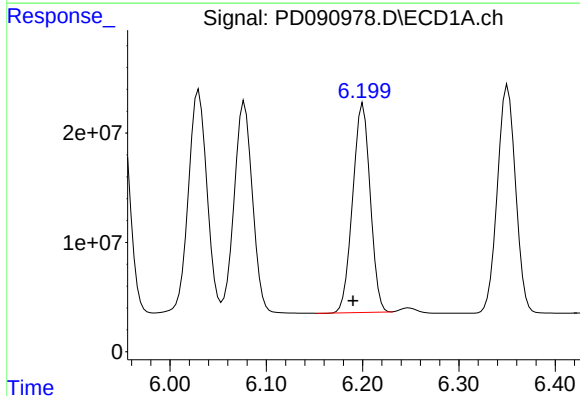
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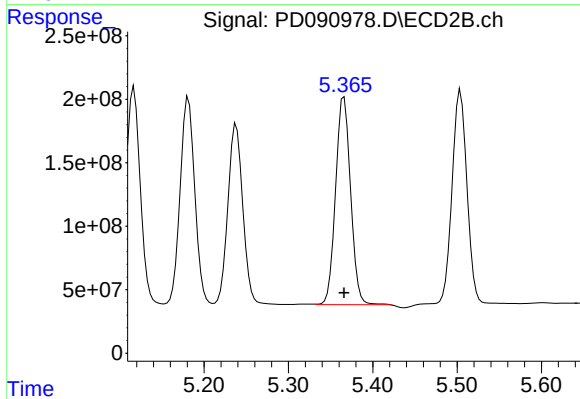
#11 alpha-Chlordane

R.T.: 5.181 min  
Delta R.T.: 0.000 min  
Response: 1968383052  
Conc: 45.63 ng/ml



#12 4,4'-DDE

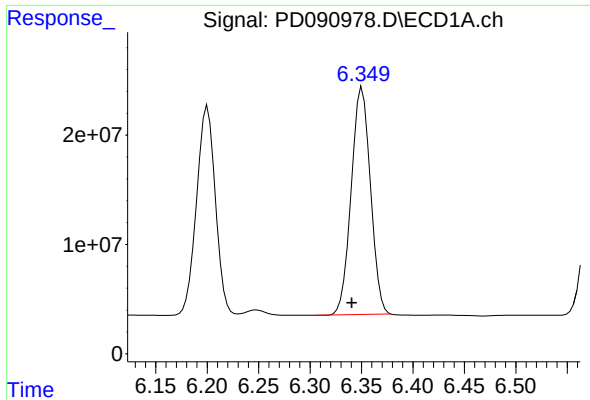
R.T.: 6.200 min  
Delta R.T.: 0.010 min  
Response: 241233594  
Conc: 45.29 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min  
Delta R.T.: 0.000 min  
Response: 2025236299  
Conc: 46.20 ng/ml





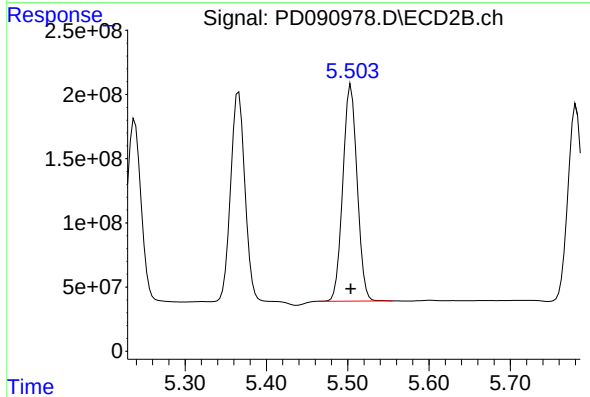
#13 Dieldrin

R.T.: 6.351 min  
Delta R.T.: 0.010 min  
Response: 270425448  
Conc: 46.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

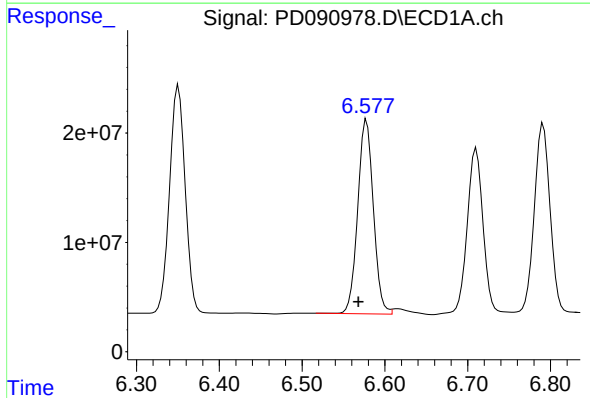
Manual Integrations  
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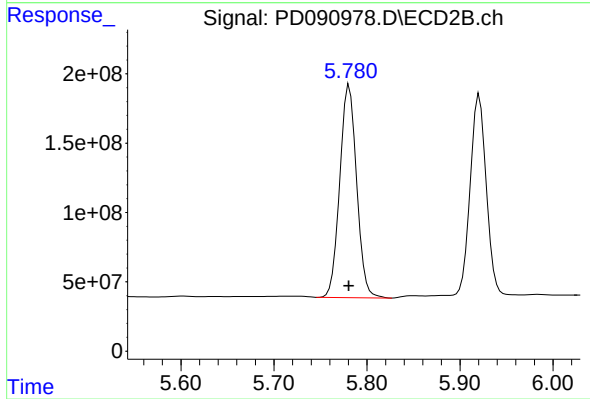
#13 Dieldrin

R.T.: 5.504 min  
Delta R.T.: 0.000 min  
Response: 2055872275  
Conc: 46.53 ng/ml



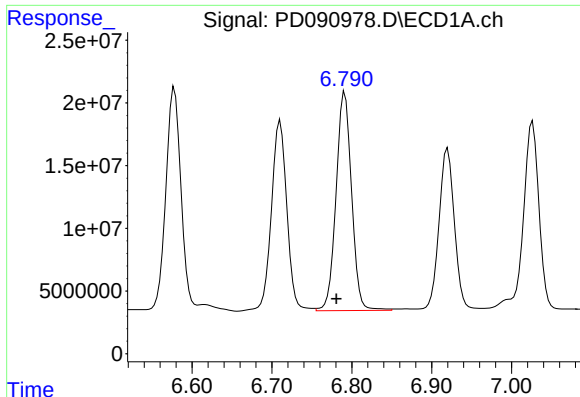
#14 Endrin

R.T.: 6.578 min  
Delta R.T.: 0.010 min  
Response: 233334605  
Conc: 47.10 ng/ml



#14 Endrin

R.T.: 5.781 min  
Delta R.T.: 0.000 min  
Response: 1936019328  
Conc: 47.81 ng/ml



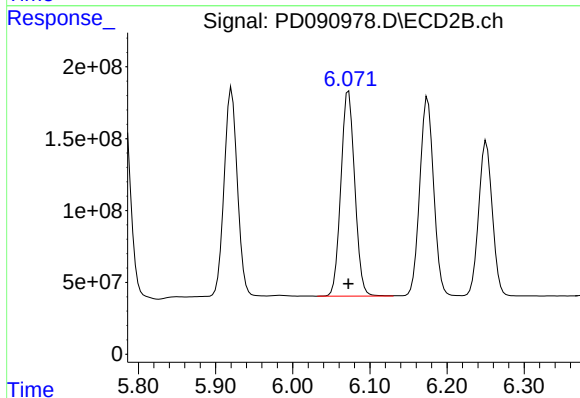
#15 Endosulfan II

R.T.: 6.791 min  
Delta R.T.: 0.010 min  
Response: 235606052  
Conc: 47.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

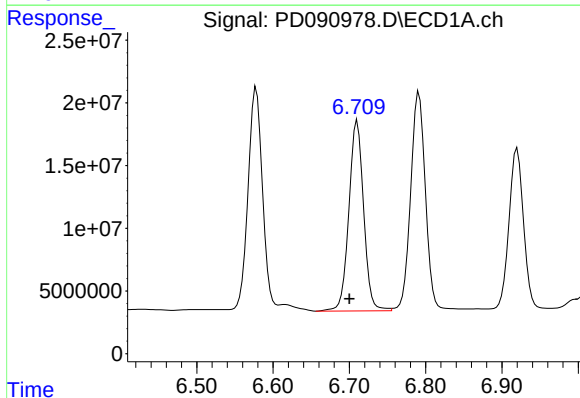
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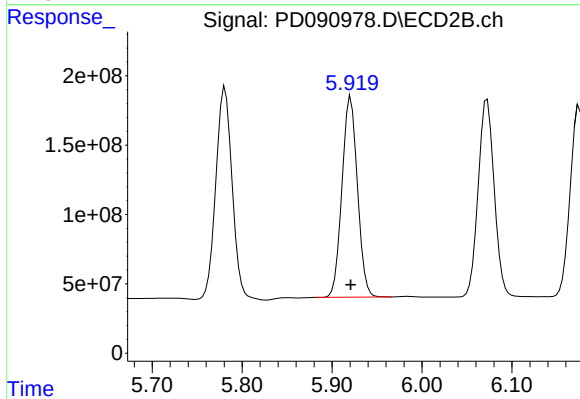
#15 Endosulfan II

R.T.: 6.073 min  
Delta R.T.: 0.000 min  
Response: 1779142785  
Conc: 47.37 ng/ml



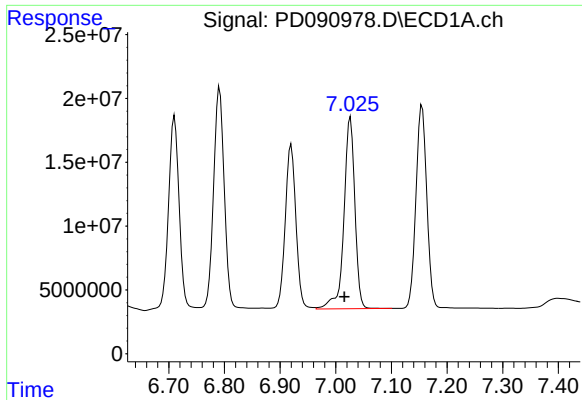
#16 4,4'-DDD

R.T.: 6.710 min  
Delta R.T.: 0.010 min  
Response: 204585101  
Conc: 50.46 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min  
Delta R.T.: 0.000 min  
Response: 1728619528  
Conc: 47.44 ng/ml



#17 4,4'-DDT

R.T.: 7.026 min  
Delta R.T.: 0.011 min  
Response: 205596455  
Conc: 50.02 ng/ml

Instrument :

ECD\_D

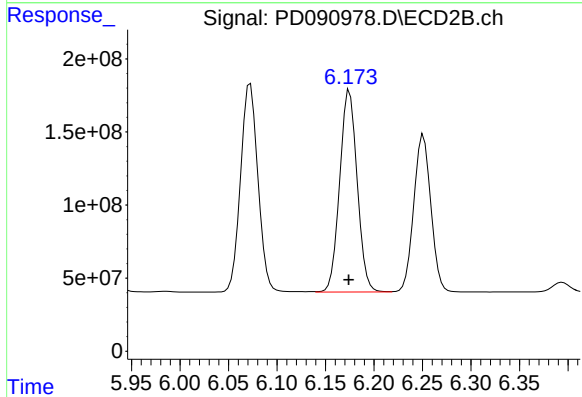
ClientSampleId :

PSTDCCC050

Manual Integrations

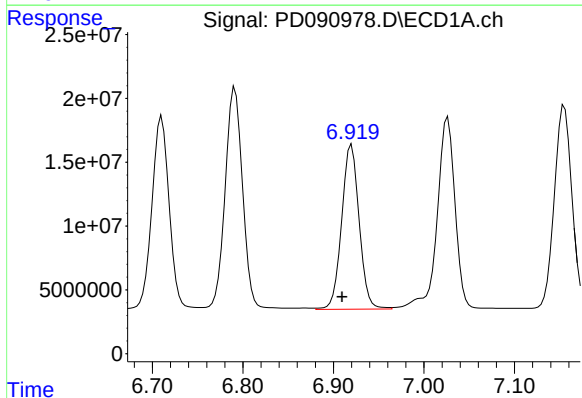
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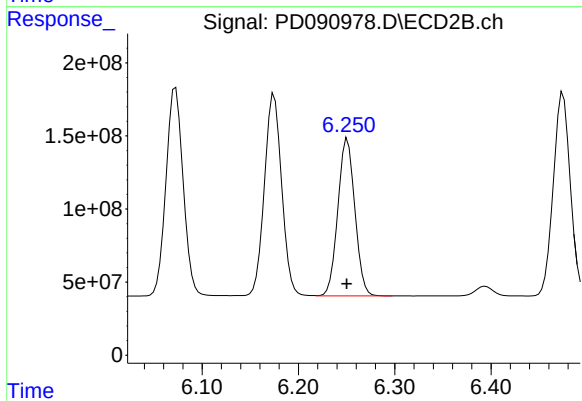
#17 4,4'-DDT

R.T.: 6.175 min  
Delta R.T.: 0.000 min  
Response: 1731265958  
Conc: 49.36 ng/ml



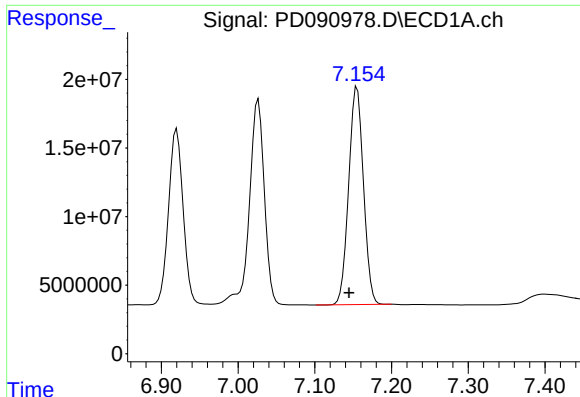
#18 Endrin aldehyde

R.T.: 6.920 min  
Delta R.T.: 0.010 min  
Response: 173141139  
Conc: 47.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min  
Delta R.T.: 0.000 min  
Response: 1318285070  
Conc: 47.60 ng/ml



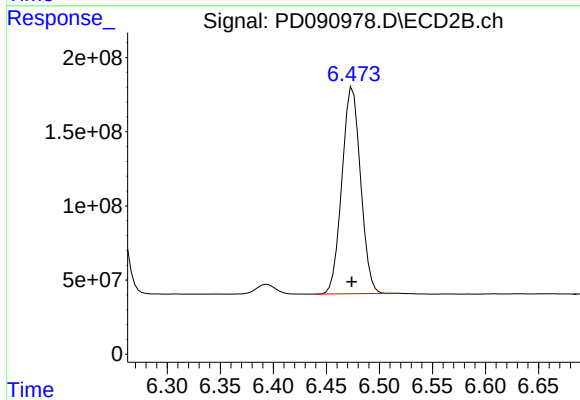
#19 Endosulfan Sulfate

R.T.: 7.155 min  
Delta R.T.: 0.010 min  
Response: 214013279  
Conc: 46.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

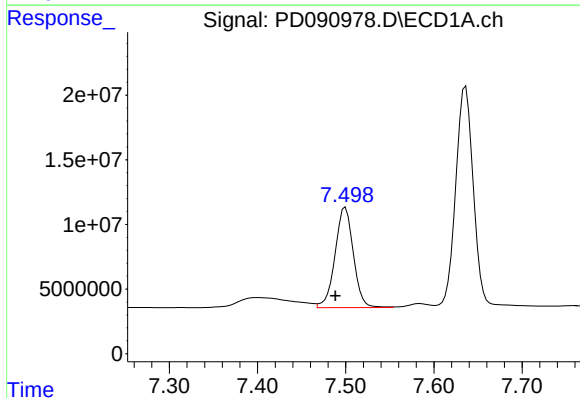
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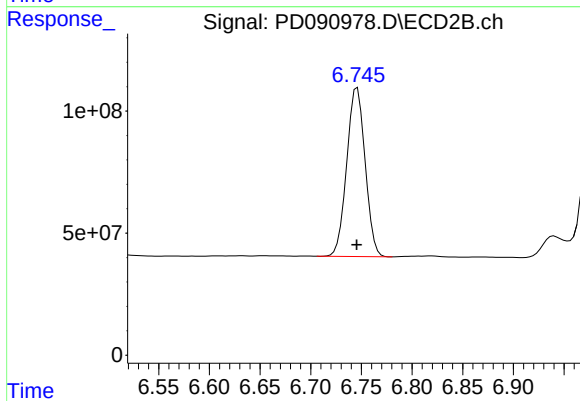
#19 Endosulfan Sulfate

R.T.: 6.475 min  
Delta R.T.: 0.000 min  
Response: 1701331439  
Conc: 47.46 ng/ml



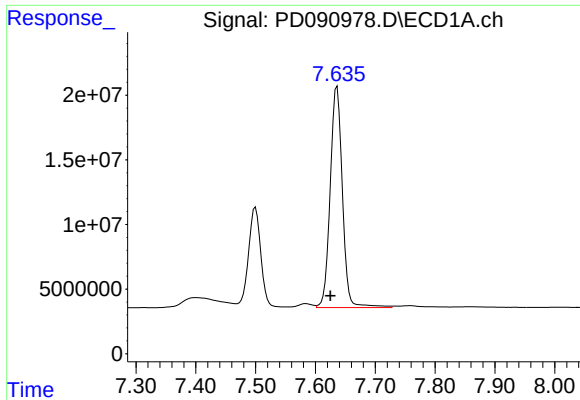
#20 Methoxychlor

R.T.: 7.500 min  
Delta R.T.: 0.011 min  
Response: 112249822  
Conc: 52.81 ng/ml



#20 Methoxychlor

R.T.: 6.746 min  
Delta R.T.: 0.000 min  
Response: 872311383  
Conc: 50.05 ng/ml



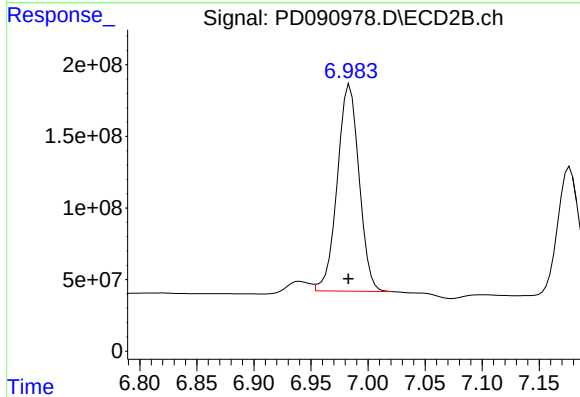
#21 Endrin ketone

R.T.: 7.636 min  
Delta R.T.: 0.011 min  
Response: 242659618  
Conc: 49.94 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

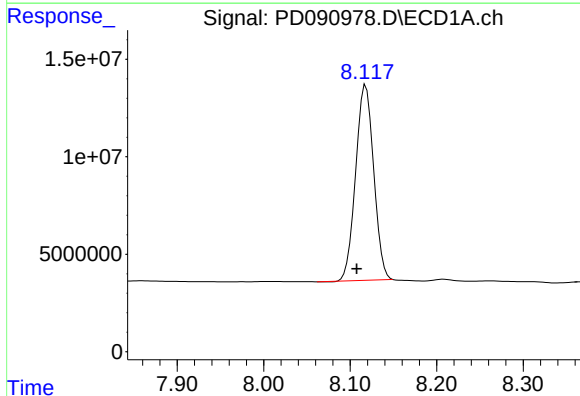
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/06/2025  
Supervised By :mohammad ahmed 11/06/2025



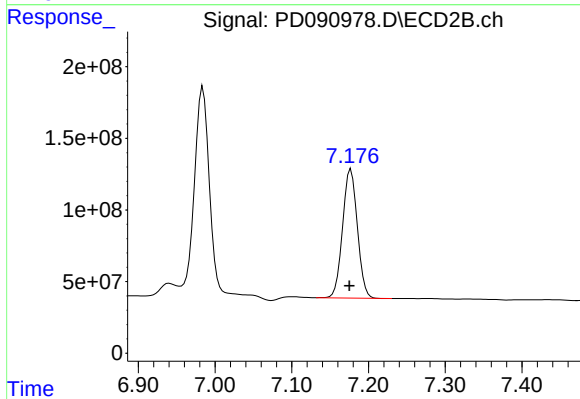
#21 Endrin ketone

R.T.: 6.983 min  
Delta R.T.: 0.000 min  
Response: 1913970802  
Conc: 50.74 ng/ml m



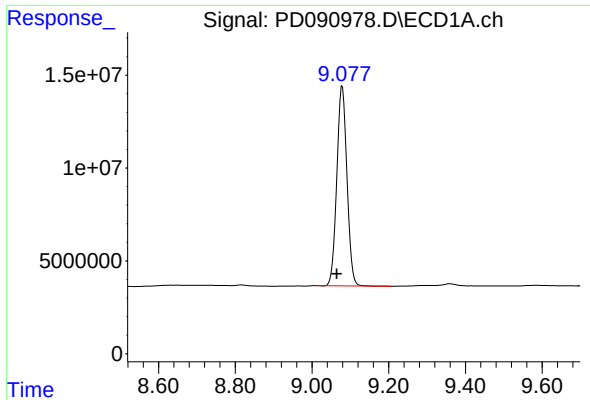
#22 Mirex

R.T.: 8.118 min  
Delta R.T.: 0.011 min  
Response: 145263496  
Conc: 45.38 ng/ml



#22 Mirex

R.T.: 7.177 min  
Delta R.T.: 0.002 min  
Response: 1206438949  
Conc: 46.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min  
Delta R.T.: 0.015 min  
Response: 197785505  
Conc: 42.28 ng/ml

Instrument :

ECD\_D

ClientSampleId :

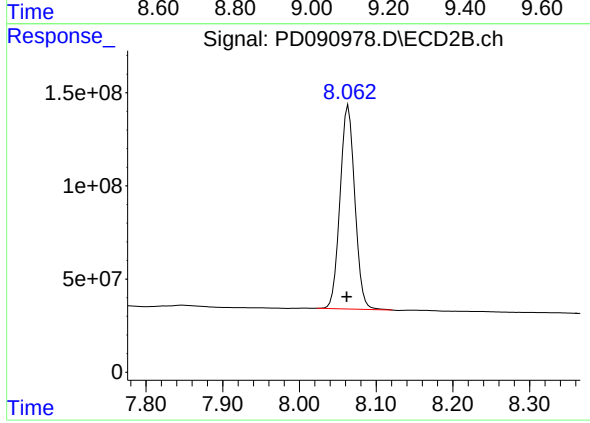
PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2025

Supervised By :mohammad ahmed 11/06/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min  
Delta R.T.: 0.002 min  
Response: 1465386814  
Conc: 48.38 ng/ml