

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD052025\  
 Data File : PD088630.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 May 2025 09:23  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 05/21/2025  
 Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 21 03:29:38 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD051925.M  
 Quant Title : GC Extractables  
 QLast Update : Mon May 19 15:27:28 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... | 3.559 | 2.881 | 121.4E6  | 826.7E6  | 56.101  | 54.650  |
| 28)                         | SA Decachlor... | 9.087 | 8.078 | 186.5E6  | 959.7E6  | 54.484  | 52.566  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.008 | 3.394 | 247.7E6  | 1193.5E6 | 51.849  | 49.929  |
| 3)                          | MA gamma-BHC... | 4.340 | 3.731 | 233.7E6  | 1099.8E6 | 50.769  | 49.618  |
| 4)                          | MA Heptachlor   | 4.940 | 4.085 | 227.6E6  | 1071.8E6 | 50.894  | 47.732  |
| 5)                          | MB Aldrin       | 5.281 | 4.371 | 227.0E6  | 1094.5E6 | 51.654  | 49.908  |
| 6)                          | B beta-BHC      | 4.525 | 4.027 | 89447949 | 482.9E6  | 49.606  | 49.572  |
| 7)                          | B delta-BHC     | 4.772 | 4.264 | 233.7E6  | 1108.9E6 | 55.290m | 49.741  |
| 8)                          | B Heptachlo...  | 5.701 | 4.875 | 199.9E6  | 969.1E6  | 50.366  | 48.767  |
| 9)                          | A Endosulfan I  | 6.085 | 5.250 | 191.1E6  | 873.9E6  | 50.774  | 46.045  |
| 10)                         | B gamma-Chl...  | 5.956 | 5.128 | 205.1E6  | 1051.4E6 | 51.413  | 49.286  |
| 11)                         | B alpha-Chl...  | 6.037 | 5.193 | 204.6E6  | 1001.0E6 | 51.058  | 48.534  |
| 12)                         | B 4,4'-DDE      | 6.206 | 5.377 | 182.3E6  | 1016.0E6 | 50.782  | 48.608m |
| 13)                         | MA Dieldrin     | 6.358 | 5.516 | 205.8E6  | 1008.4E6 | 51.305  | 47.919  |
| 14)                         | MA Endrin       | 6.585 | 5.792 | 173.6E6  | 920.2E6  | 50.819  | 47.718  |
| 15)                         | B Endosulfa...  | 6.796 | 6.084 | 171.8E6  | 895.8E6  | 49.903  | 48.890  |
| 16)                         | A 4,4'-DDD      | 6.715 | 5.933 | 153.6E6  | 874.6E6  | 55.160  | 50.289  |
| 17)                         | MA 4,4'-DDT     | 7.032 | 6.187 | 141.8E6  | 804.6E6  | 45.408  | 44.363  |
| 18)                         | B Endrin al...  | 6.925 | 6.262 | 125.3E6  | 652.2E6  | 48.676  | 46.827  |
| 19)                         | B Endosulfa...  | 7.160 | 6.486 | 163.8E6  | 849.5E6  | 51.151  | 47.841  |
| 20)                         | A Methoxychlor  | 7.504 | 6.759 | 74896461 | 436.4E6  | 44.833  | 45.583  |
| 21)                         | B Endrin ke...  | 7.641 | 6.996 | 172.1E6  | 949.2E6  | 50.272  | 49.063  |
| 22)                         | Mirex           | 8.125 | 7.190 | 127.4E6  | 732.6E6  | 49.017  | 48.189  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD052025\  
Data File : PD088630.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 May 2025 09:23  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_D

## ClientSampleId :

PSTDCCC050

## Manual Integrations

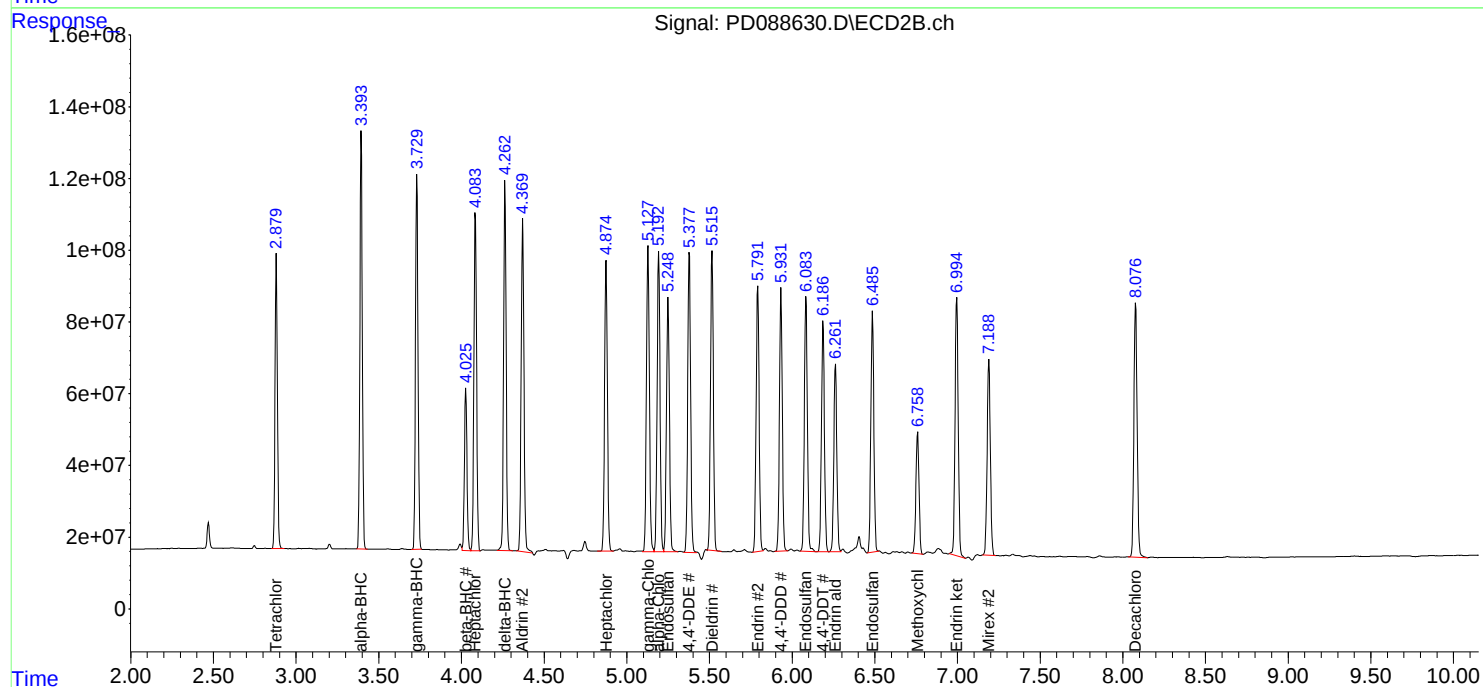
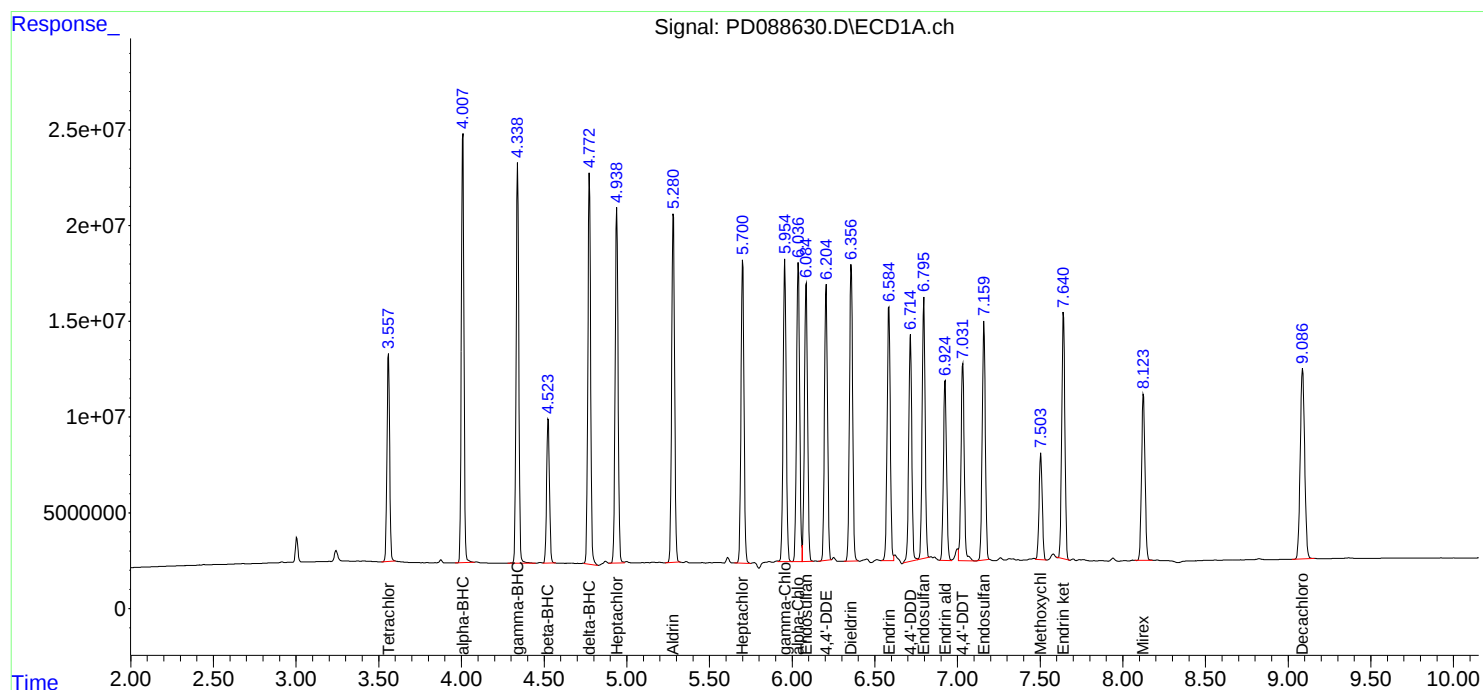
## APPROVED

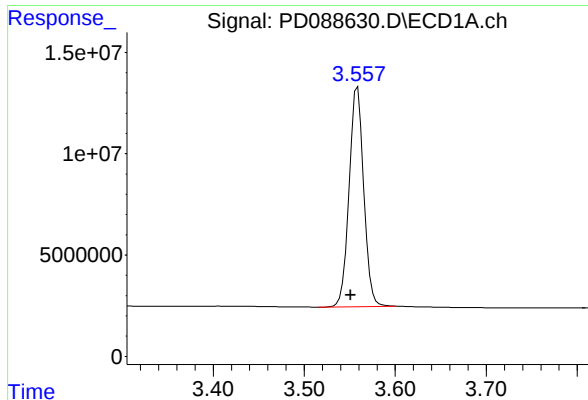
Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 21 03:29:38 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD051925.M  
Quant Title : GC Extractables  
QLast Update : Mon May 19 15:27:28 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





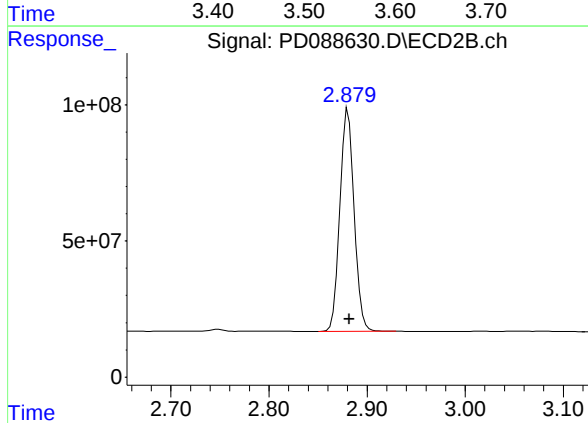
#1 Tetrachloro-m-xylene

R.T.: 3.559 min  
Delta R.T.: 0.008 min  
Response: 121387772  
Conc: 56.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

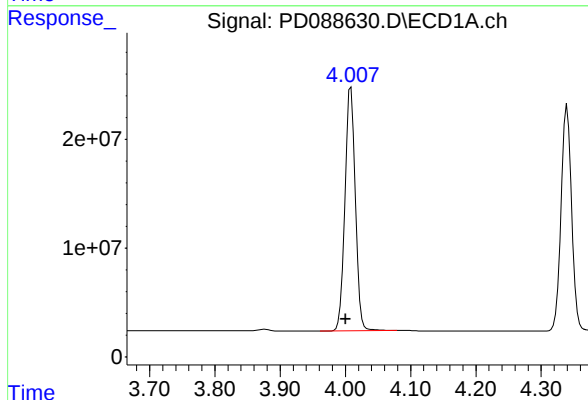
Manual Integrations  
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Supervised By :mohammad ahmed 05/22/2025



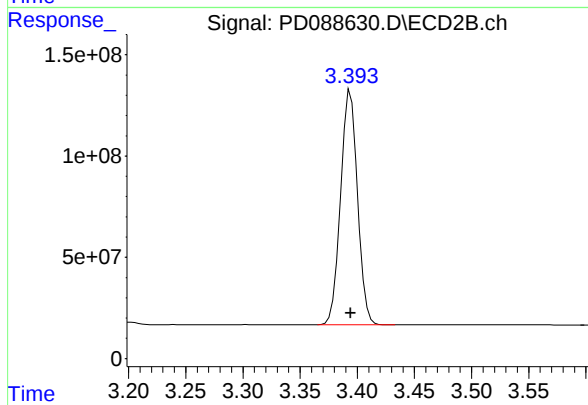
#1 Tetrachloro-m-xylene

R.T.: 2.881 min  
Delta R.T.: 0.000 min  
Response: 826681484  
Conc: 54.65 ng/ml



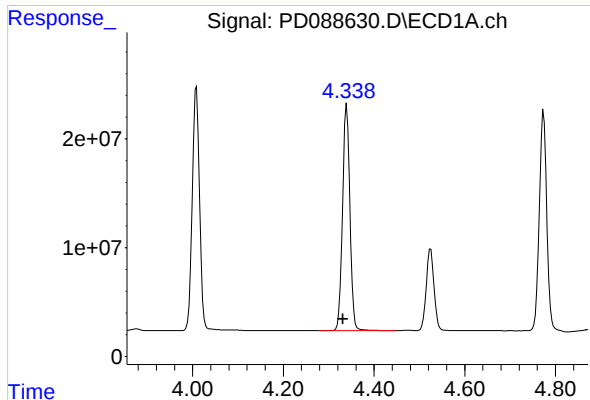
#2 alpha-BHC

R.T.: 4.008 min  
Delta R.T.: 0.008 min  
Response: 247660468  
Conc: 51.85 ng/ml



#2 alpha-BHC

R.T.: 3.394 min  
Delta R.T.: 0.000 min  
Response: 1193486408  
Conc: 49.93 ng/ml



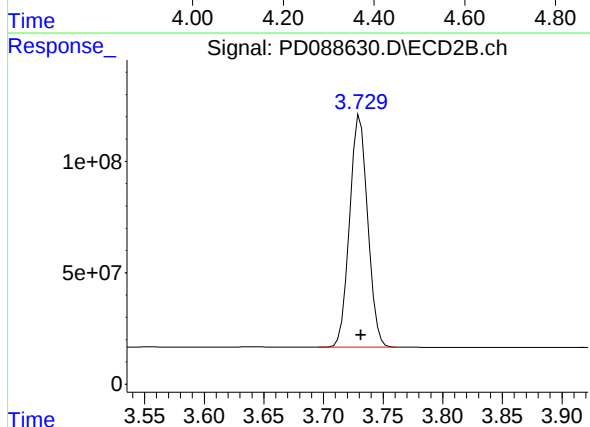
#3 gamma-BHC (Lindane)

R.T.: 4.340 min  
Delta R.T.: 0.008 min  
Response: 233674872  
Conc: 50.77 ng/ml

Instrument :  
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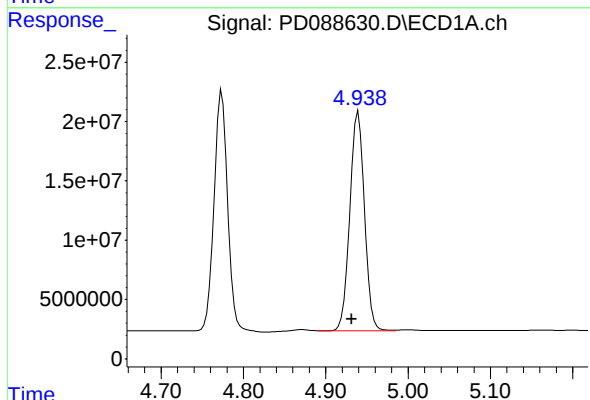
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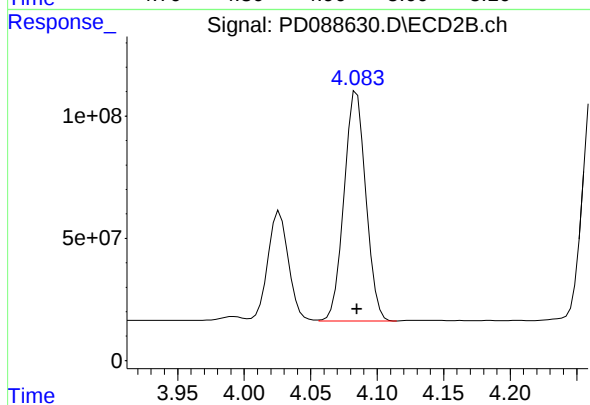
#3 gamma-BHC (Lindane)

R.T.: 3.731 min  
Delta R.T.: 0.000 min  
Response: 1099814151  
Conc: 49.62 ng/ml



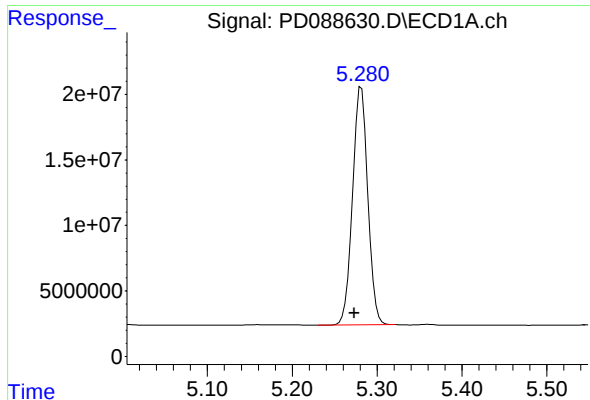
#4 Heptachlor

R.T.: 4.940 min  
Delta R.T.: 0.008 min  
Response: 227558711  
Conc: 50.89 ng/ml



#4 Heptachlor

R.T.: 4.085 min  
Delta R.T.: 0.000 min  
Response: 1071816173  
Conc: 47.73 ng/ml



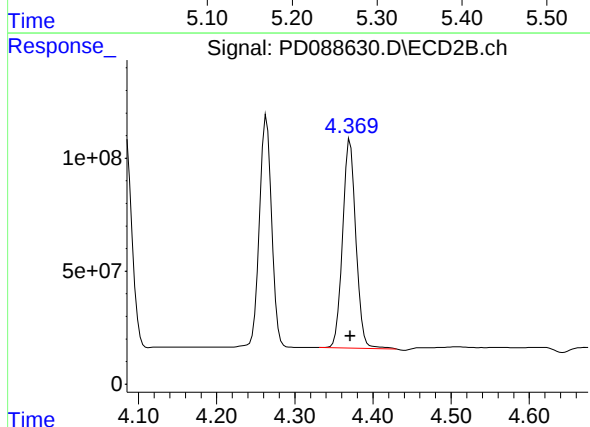
#5 Aldrin

R.T.: 5.281 min  
Delta R.T.: 0.008 min  
Response: 226993048  
Conc: 51.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

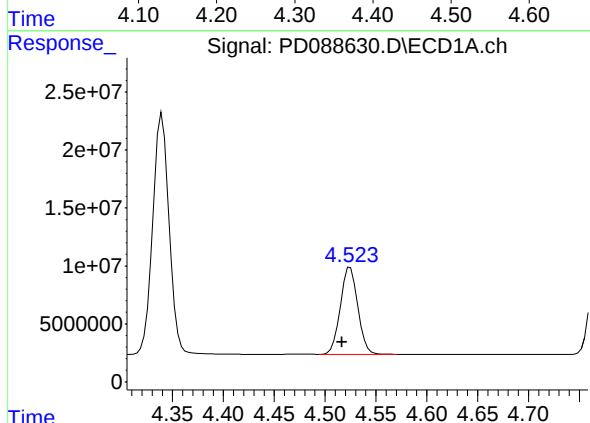
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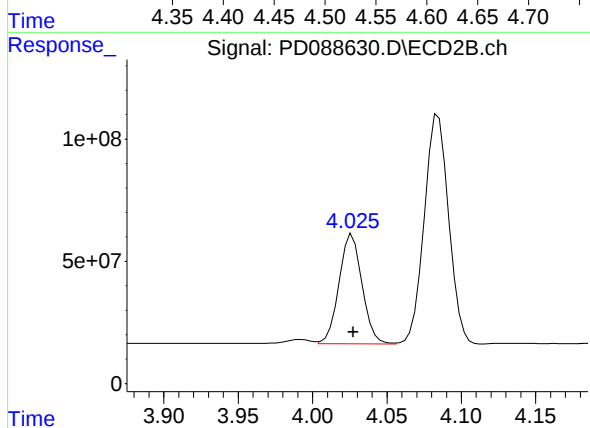
#5 Aldrin

R.T.: 4.371 min  
Delta R.T.: 0.000 min  
Response: 1094477174  
Conc: 49.91 ng/ml



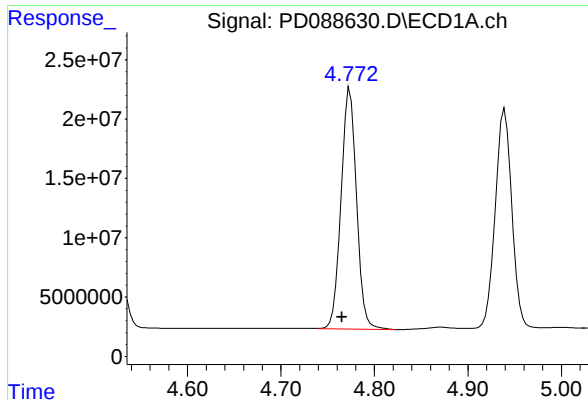
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.008 min  
Response: 89447949  
Conc: 49.61 ng/ml



#6 beta-BHC

R.T.: 4.027 min  
Delta R.T.: 0.000 min  
Response: 482926376  
Conc: 49.57 ng/ml



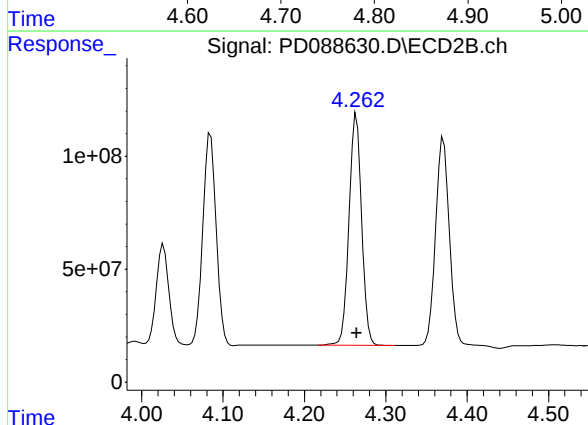
#7 delta-BHC

R.T.: 4.772 min  
Delta R.T.: 0.007 min  
Response: 233664729  
Conc: 55.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

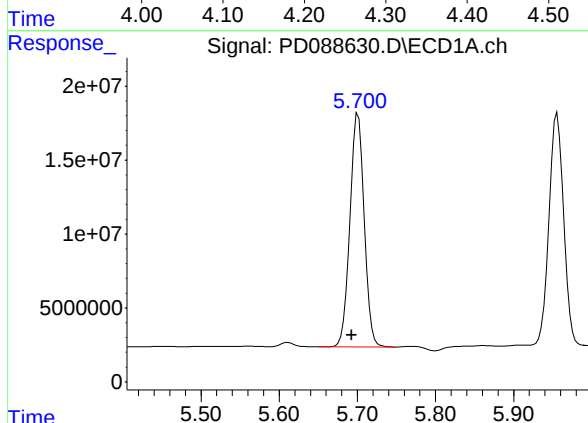
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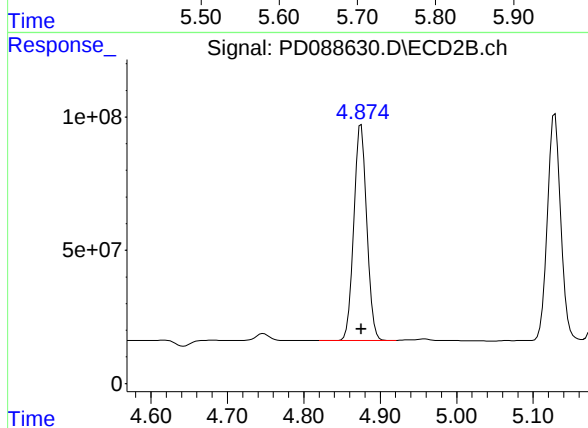
#7 delta-BHC

R.T.: 4.264 min  
Delta R.T.: 0.000 min  
Response: 1108932860  
Conc: 49.74 ng/ml



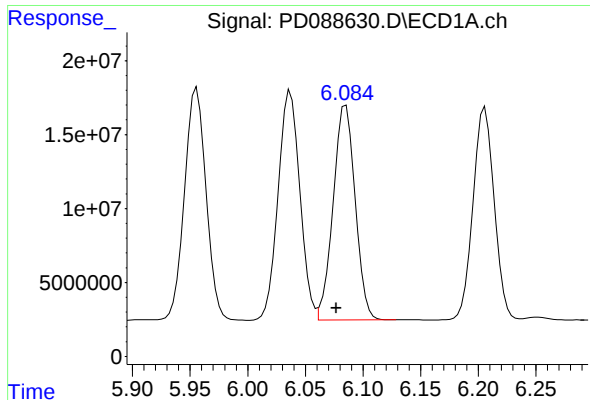
#8 Heptachlor epoxide

R.T.: 5.701 min  
Delta R.T.: 0.008 min  
Response: 199917230  
Conc: 50.37 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min  
Delta R.T.: 0.000 min  
Response: 969058981  
Conc: 48.77 ng/ml



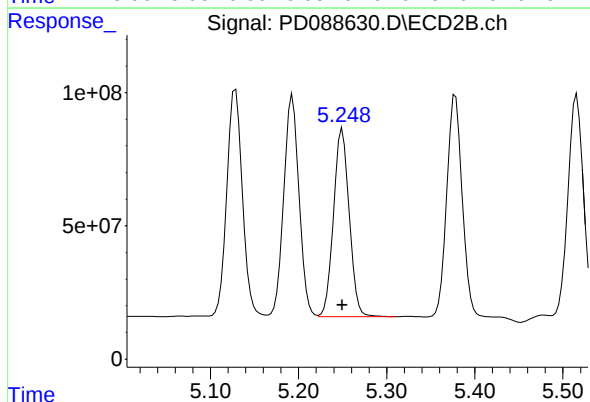
#9 Endosulfan I

R.T.: 6.085 min  
Delta R.T.: 0.008 min  
Response: 191058949  
Conc: 50.77 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

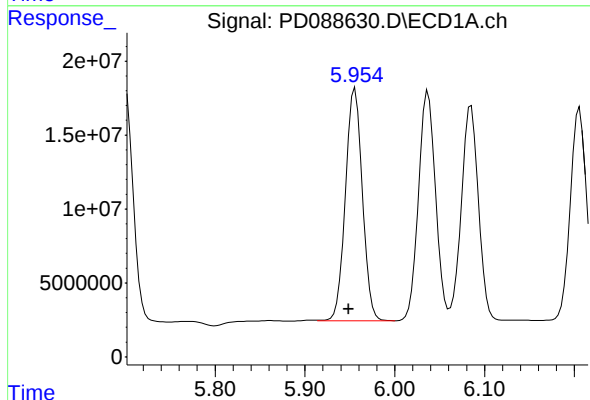
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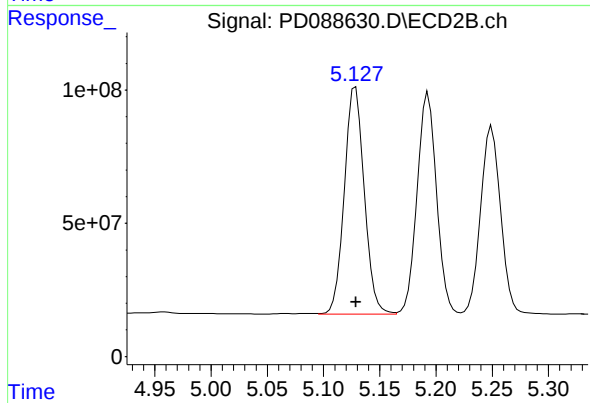
#9 Endosulfan I

R.T.: 5.250 min  
Delta R.T.: 0.000 min  
Response: 873855811  
Conc: 46.04 ng/ml



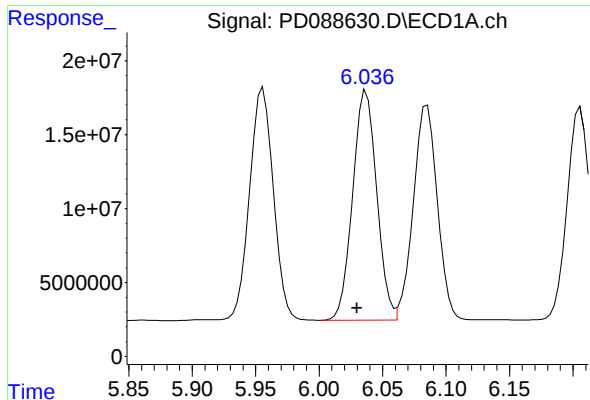
#10 gamma-Chlordane

R.T.: 5.956 min  
Delta R.T.: 0.007 min  
Response: 205082085  
Conc: 51.41 ng/ml



#10 gamma-Chlordane

R.T.: 5.128 min  
Delta R.T.: 0.000 min  
Response: 1051377707  
Conc: 49.29 ng/ml



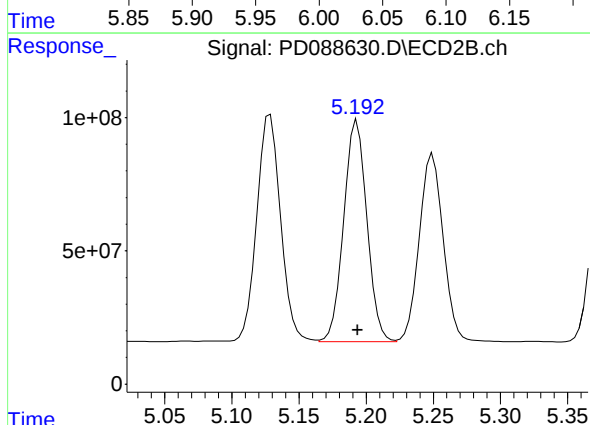
#11 alpha-Chlordane

R.T.: 6.037 min  
Delta R.T.: 0.007 min  
Response: 204552327  
Conc: 51.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

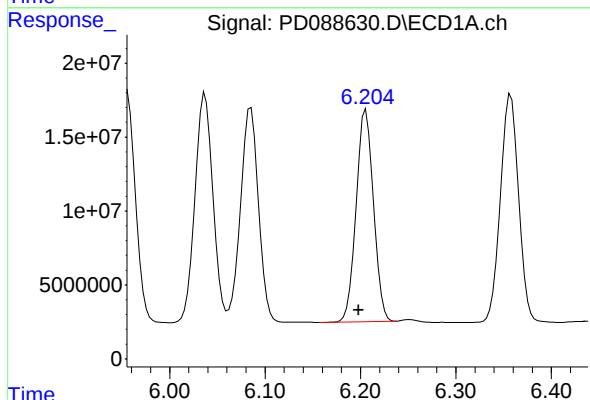
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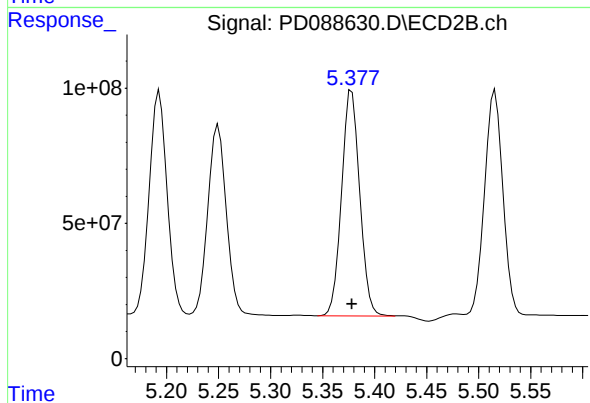
#11 alpha-Chlordane

R.T.: 5.193 min  
Delta R.T.: 0.000 min  
Response: 1001009186  
Conc: 48.53 ng/ml



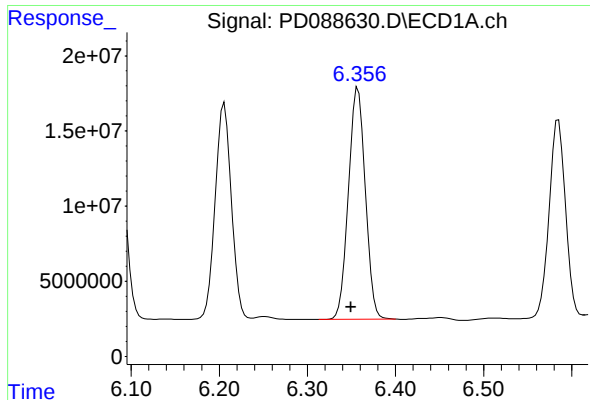
#12 4,4'-DDE

R.T.: 6.206 min  
Delta R.T.: 0.008 min  
Response: 182275296  
Conc: 50.78 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min  
Delta R.T.: -0.002 min  
Response: 1016043890  
Conc: 48.61 ng/ml m



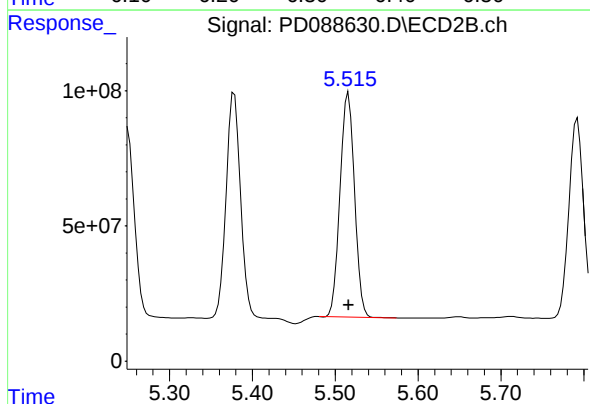
#13 Dieldrin

R.T.: 6.358 min  
Delta R.T.: 0.008 min  
Response: 205821416  
Conc: 51.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

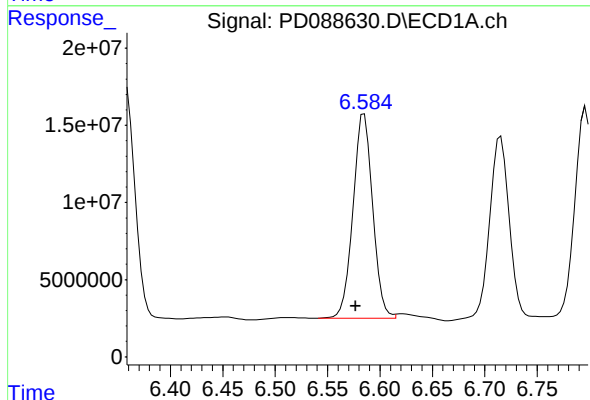
Manual Integrations  
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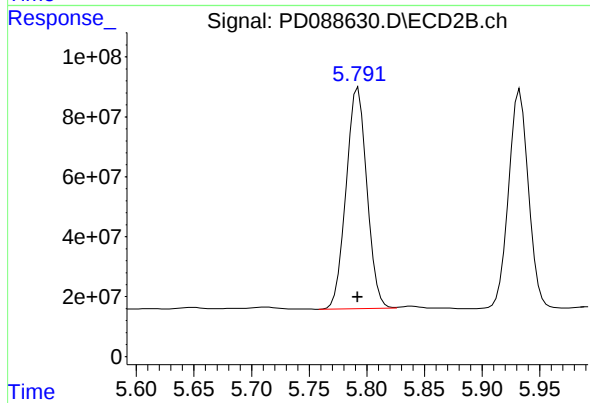
#13 Dieldrin

R.T.: 5.516 min  
Delta R.T.: 0.000 min  
Response: 1008398453  
Conc: 47.92 ng/ml



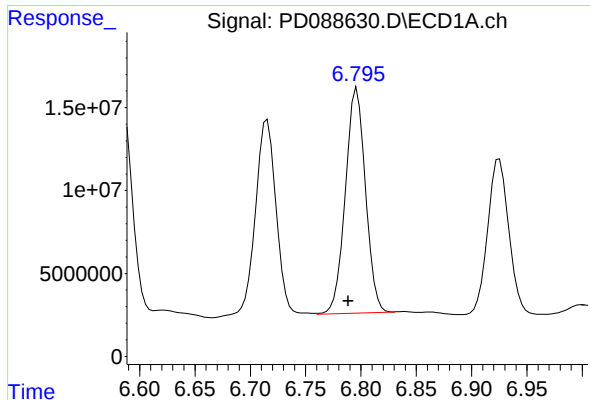
#14 Endrin

R.T.: 6.585 min  
Delta R.T.: 0.008 min  
Response: 173555472  
Conc: 50.82 ng/ml



#14 Endrin

R.T.: 5.792 min  
Delta R.T.: 0.000 min  
Response: 920185109  
Conc: 47.72 ng/ml



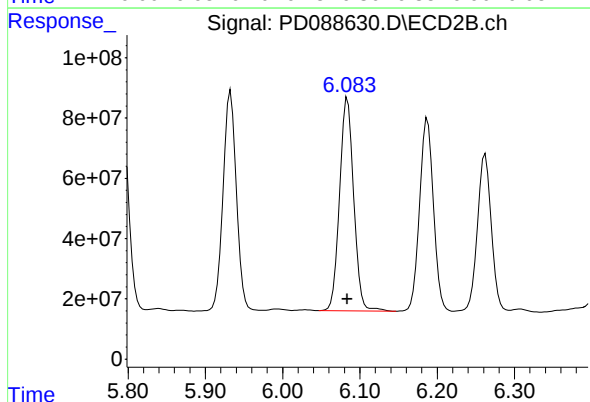
#15 Endosulfan II

R.T.: 6.796 min  
Delta R.T.: 0.008 min  
Response: 171847102  
Conc: 49.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

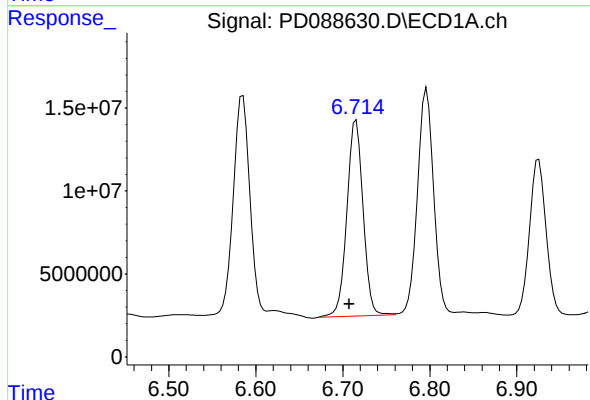
Manual Integrations  
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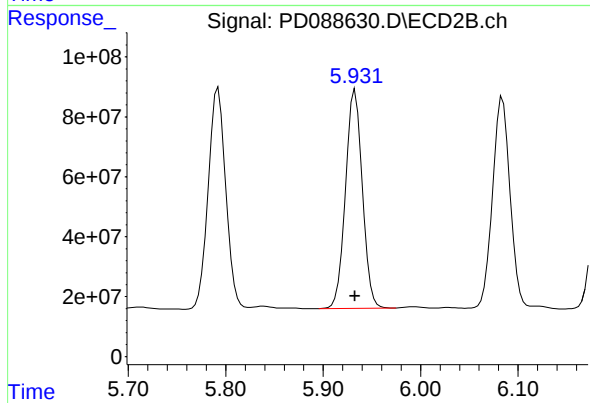
#15 Endosulfan II

R.T.: 6.084 min  
Delta R.T.: 0.000 min  
Response: 895756518  
Conc: 48.89 ng/ml



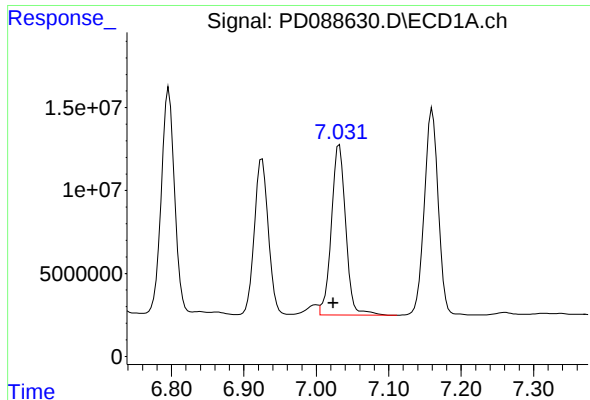
#16 4,4'-DDD

R.T.: 6.715 min  
Delta R.T.: 0.008 min  
Response: 153625327  
Conc: 55.16 ng/ml



#16 4,4'-DDD

R.T.: 5.933 min  
Delta R.T.: 0.000 min  
Response: 874643877  
Conc: 50.29 ng/ml



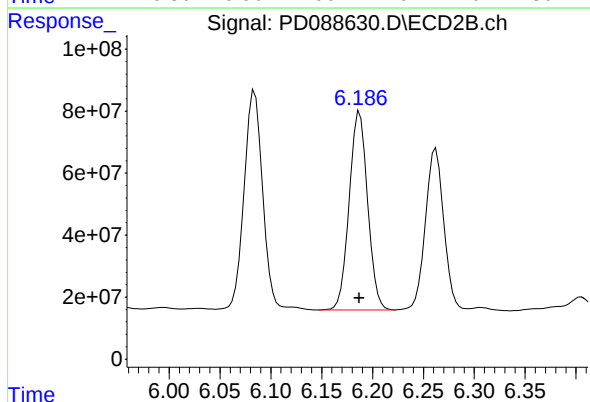
#17 4,4'-DDT

R.T.: 7.032 min  
Delta R.T.: 0.009 min  
Response: 141765828  
Conc: 45.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

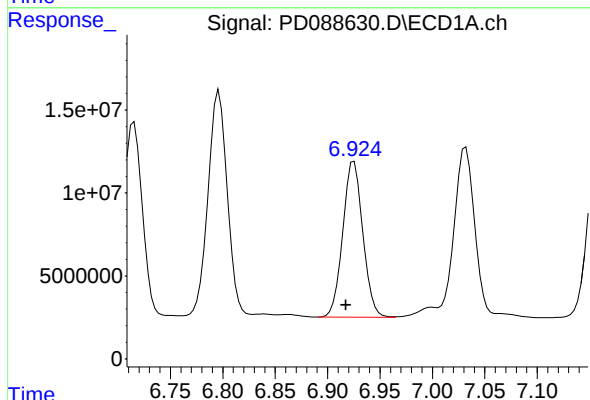
Manual Integrations  
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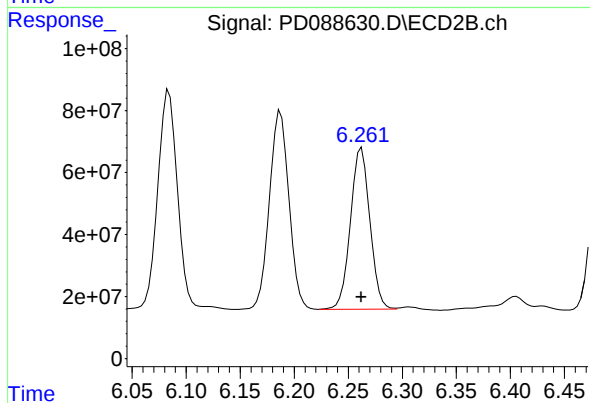
#17 4,4'-DDT

R.T.: 6.187 min  
Delta R.T.: 0.000 min  
Response: 804630436  
Conc: 44.36 ng/ml



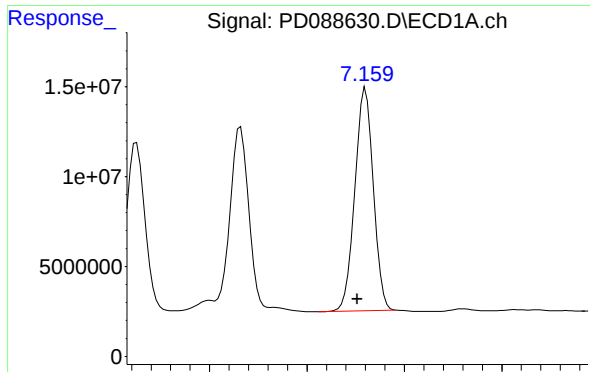
#18 Endrin aldehyde

R.T.: 6.925 min  
Delta R.T.: 0.008 min  
Response: 125321217  
Conc: 48.68 ng/ml



#18 Endrin aldehyde

R.T.: 6.262 min  
Delta R.T.: 0.000 min  
Response: 652246615  
Conc: 46.83 ng/ml



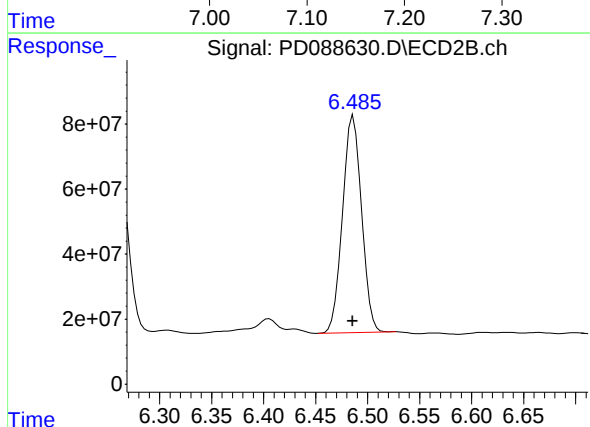
#19 Endosulfan Sulfate

R.T.: 7.160 min  
Delta R.T.: 0.008 min  
Response: 163840380  
Conc: 51.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

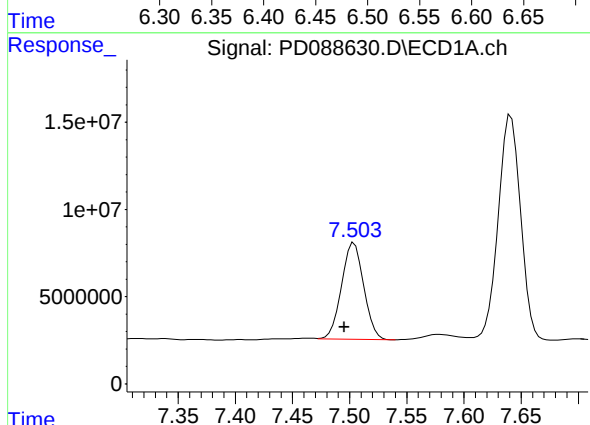
Manual Integrations  
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Reviewed By :Abdul Mirza 05/21/2025  
Supervised By :mohammad ahmed 05/22/2025



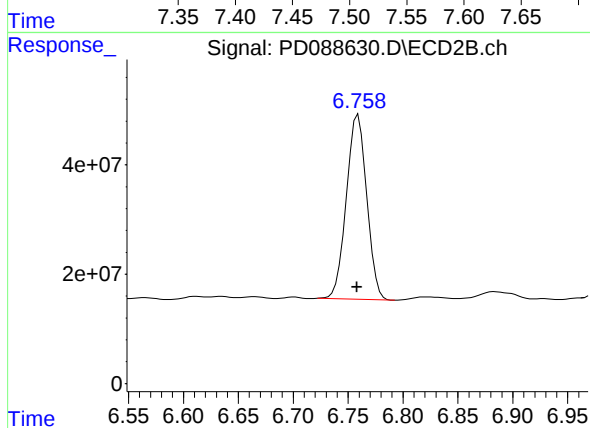
#19 Endosulfan Sulfate

R.T.: 6.486 min  
Delta R.T.: 0.000 min  
Response: 849458357  
Conc: 47.84 ng/ml



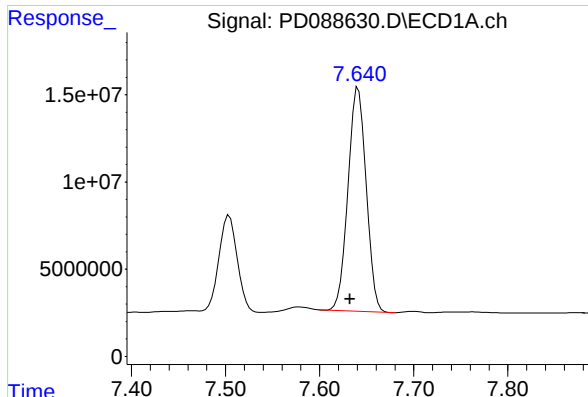
#20 Methoxychlor

R.T.: 7.504 min  
Delta R.T.: 0.009 min  
Response: 74896461  
Conc: 44.83 ng/ml



#20 Methoxychlor

R.T.: 6.759 min  
Delta R.T.: 0.001 min  
Response: 436448344  
Conc: 45.58 ng/ml



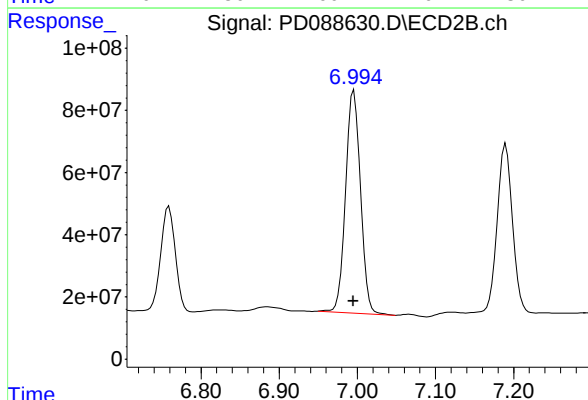
#21 Endrin ketone

R.T.: 7.641 min  
Delta R.T.: 0.009 min  
Response: 172090670  
Conc: 50.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

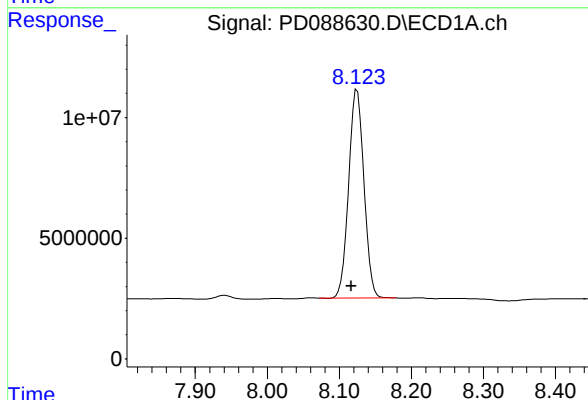
Manual Integrations  
APPROVED

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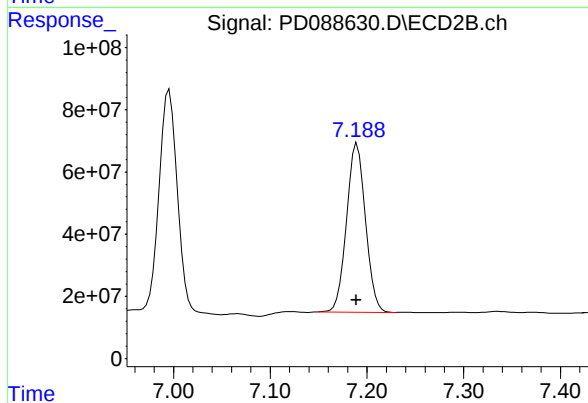
#21 Endrin ketone

R.T.: 6.996 min  
Delta R.T.: 0.000 min  
Response: 949236341  
Conc: 49.06 ng/ml



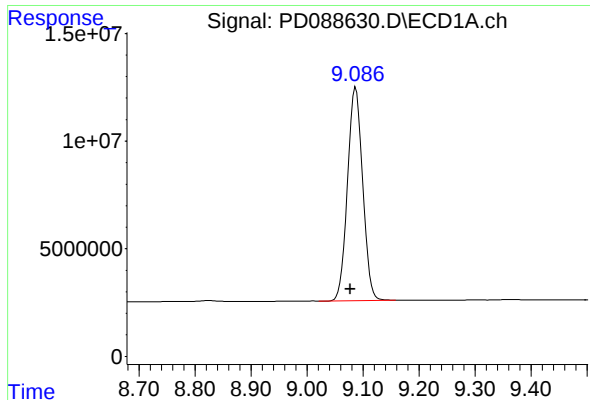
#22 Mirex

R.T.: 8.125 min  
Delta R.T.: 0.008 min  
Response: 127359221  
Conc: 49.02 ng/ml



#22 Mirex

R.T.: 7.190 min  
Delta R.T.: 0.000 min  
Response: 732589157  
Conc: 48.19 ng/ml



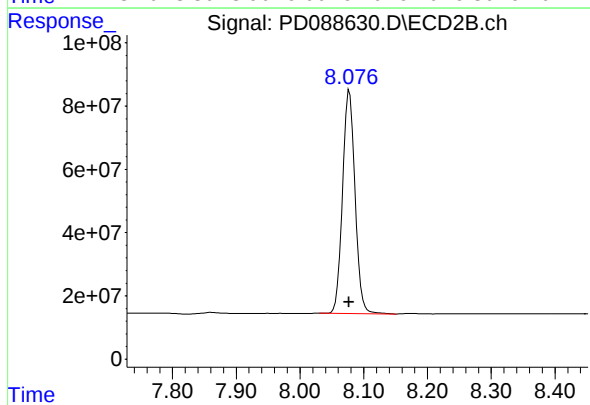
#28 Decachlorobiphenyl

R.T.: 9.087 min  
Delta R.T.: 0.010 min  
Response: 186463561  
Conc: 54.48 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 05/21/2025  
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#28 Decachlorobiphenyl

R.T.: 8.078 min  
Delta R.T.: 0.001 min  
Response: 959654760  
Conc: 52.57 ng/ml