

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040422\  
 Data File : PL073795.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 Apr 2022 11:21  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 04/05/2022  
 Supervised By :mohammad ahmed 04/05/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 05 01:14:38 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031122.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Mar 14 04:12:46 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml  | ng/ml   |
|-----------------------------|-----------------|--------|--------|----------|----------|--------|---------|
| -----                       |                 |        |        |          |          |        |         |
| System Monitoring Compounds |                 |        |        |          |          |        |         |
| 1)                          | SA Tetrachlo... | 4.651  | 5.487  | 16423713 | 93117132 | 51.278 | 56.736  |
| 28)                         | SA Decachlor... | 10.421 | 11.335 | 24798951 | 81989210 | 48.769 | 45.851  |
| Target Compounds            |                 |        |        |          |          |        |         |
| 2)                          | A alpha-BHC     | 5.358  | 6.051  | 21222358 | 134.2E6  | 51.485 | 59.671  |
| 3)                          | MA gamma-BHC... | 5.782  | 6.441  | 20930480 | 123.6E6  | 50.177 | 57.868  |
| 4)                          | MA Heptachlor   | 6.193  | 7.100  | 21911990 | 129.8E6  | 48.564 | 55.405  |
| 5)                          | MB Aldrin       | 6.518  | 7.468  | 20511931 | 118.6E6  | 49.645 | 56.597  |
| 6)                          | B beta-BHC      | 6.162  | 6.678  | 10654202 | 55113589 | 51.746 | 52.873  |
| 7)                          | B delta-BHC     | 6.424  | 6.946  | 20498223 | 119.7E6  | 51.035 | 55.574  |
| 8)                          | B Heptachlo...  | 7.095  | 7.926  | 20909682 | 108.5E6  | 48.517 | 54.338  |
| 9)                          | A Endosulfan I  | 7.497  | 8.326  | 19977134 | 97791611 | 48.699 | 53.573  |
| 10)                         | B gamma-Chl...  | 7.372  | 8.194  | 21316086 | 109.9E6  | 48.744 | 53.814  |
| 11)                         | B alpha-Chl...  | 7.441  | 8.277  | 21496241 | 107.0E6  | 48.641 | 53.483  |
| 12)                         | B 4,4'-DDE      | 7.655  | 8.461  | 17678911 | 98420232 | 49.267 | 54.910  |
| 13)                         | MA Dieldrin     | 7.784  | 8.611  | 20255865 | 99052127 | 48.619 | 53.694  |
| 14)                         | MA Endrin       | 8.074  | 8.846  | 19232186 | 80219372 | 49.567 | 52.110  |
| 15)                         | B Endosulfa...  | 8.385  | 9.069  | 18992320 | 78625318 | 48.589 | 51.194  |
| 16)                         | A 4,4'-DDD      | 8.240  | 8.989  | 15770836 | 75967391 | 48.565 | 52.043  |
| 17)                         | MA 4,4'-DDT     | 8.501  | 9.308  | 17425311 | 83349321 | 46.076 | 50.993  |
| 18)                         | B Endrin al...  | 8.573  | 9.201  | 14969841 | 61606678 | 47.336 | 50.237m |
| 19)                         | B Endosulfa...  | 8.804  | 9.440  | 20266053 | 79871814 | 47.976 | 50.678  |
| 20)                         | A Methoxychlor  | 9.096  | 9.788  | 11097809 | 42100691 | 43.260 | 46.723  |
| 21)                         | B Endrin ke...  | 9.323  | 9.929  | 24134363 | 83787330 | 49.332 | 50.762  |
| 22)                         | Mirex           | 9.510  | 10.407 | 22263267 | 66516524 | 47.212 | 48.965  |
| -----                       |                 |        |        |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040422\  
Data File : PL073795.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 04 Apr 2022 11:21  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

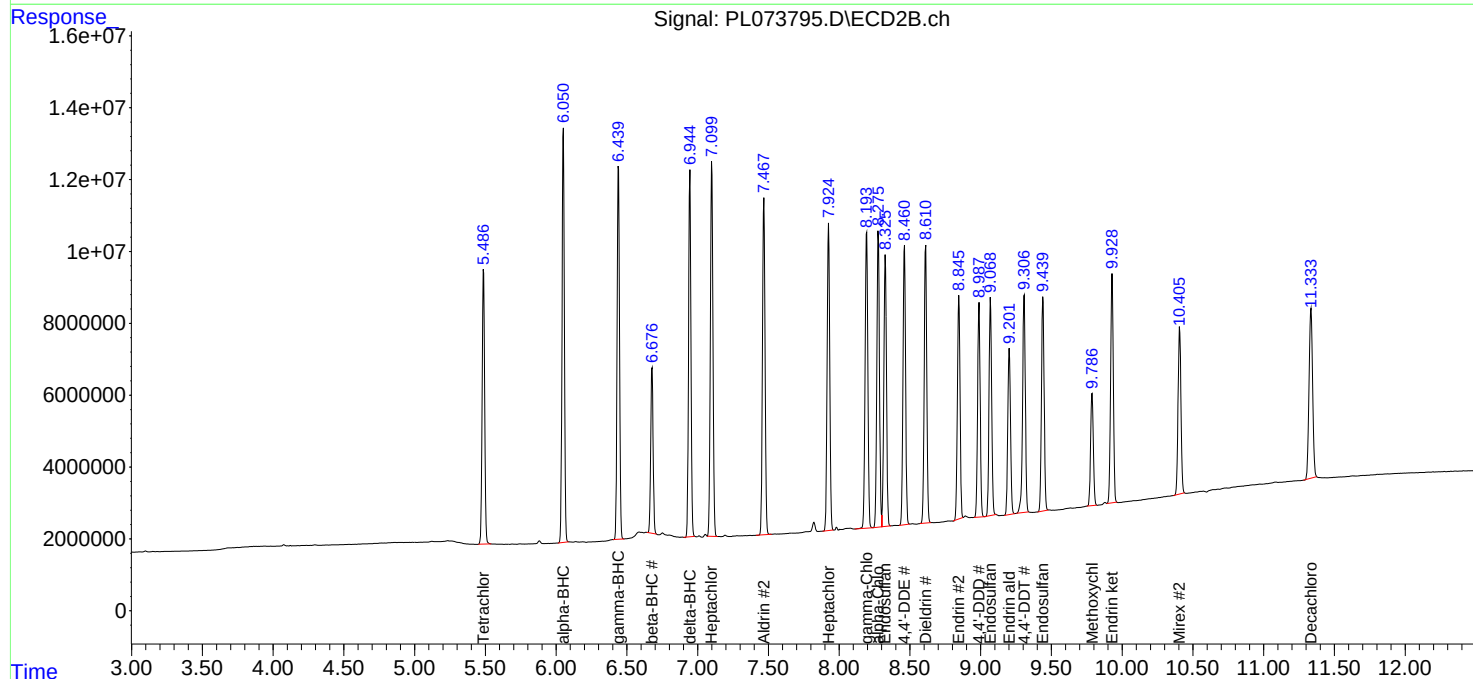
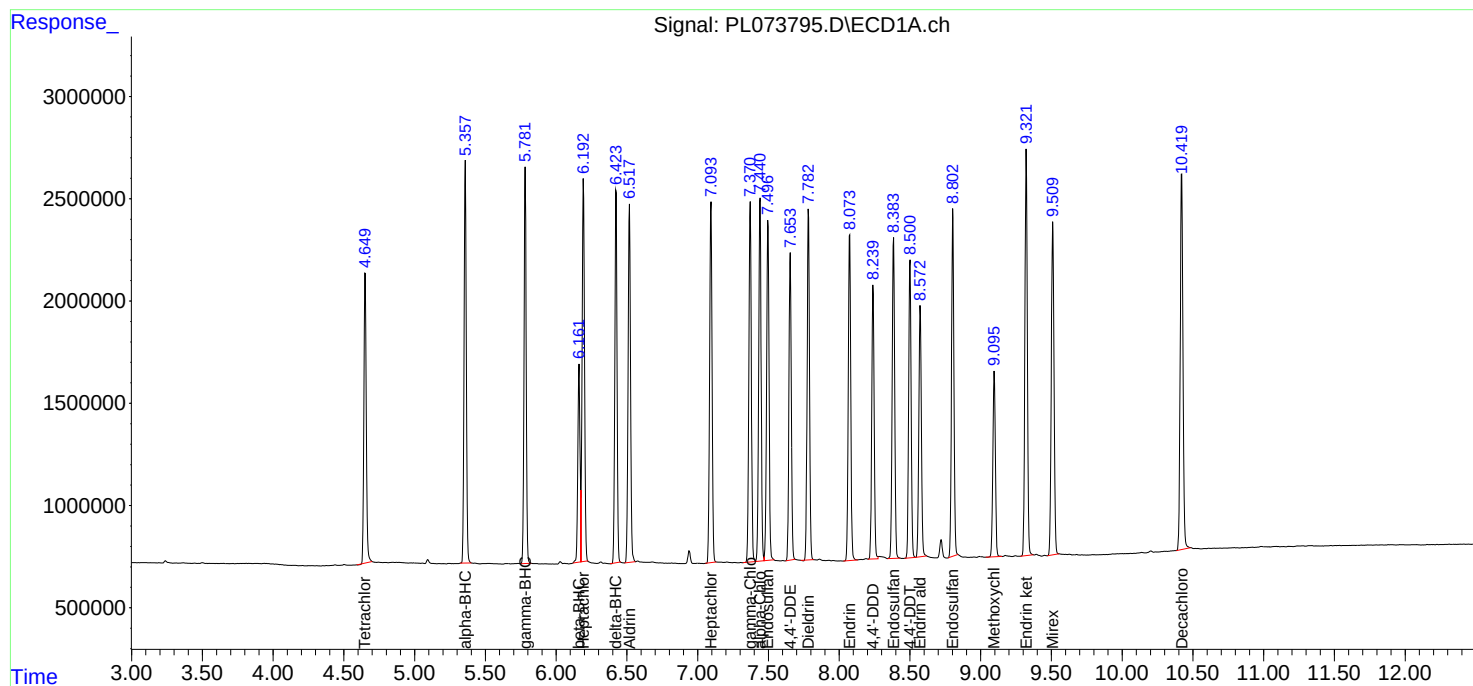
## APPROVED

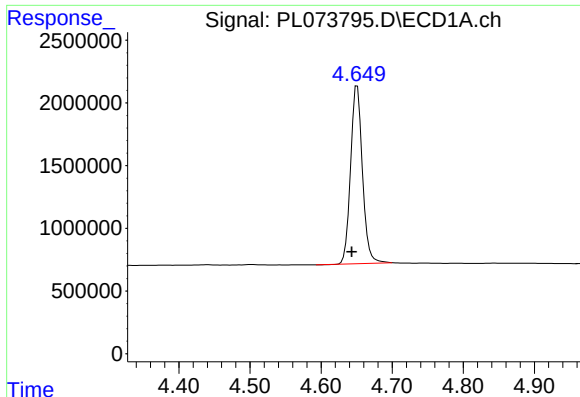
Reviewed By :Abdul Mirza 04/05/2022

Supervised By :mohammad ahmed 04/05/2022

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 05 01:14:38 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031122.M  
Quant Title : GC Extractables  
QLast Update : Mon Mar 14 04:12:46 2022  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





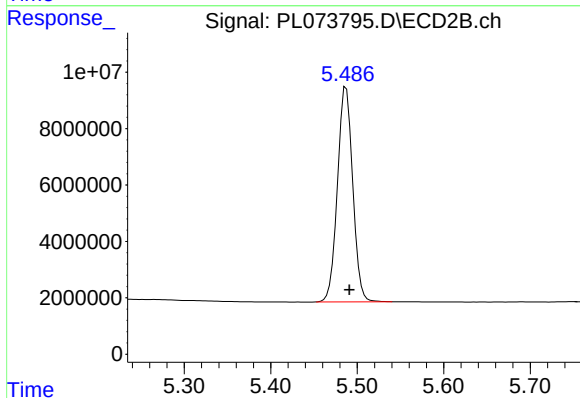
#1 Tetrachloro-m-xylene

R.T.: 4.651 min  
Delta R.T.: 0.008 min  
Response: 16423713  
Conc: 51.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

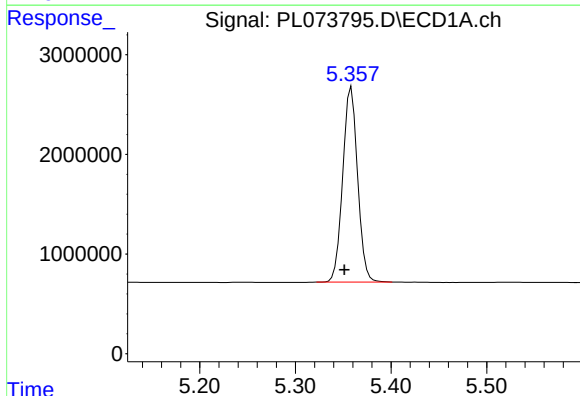
Manual Integrations  
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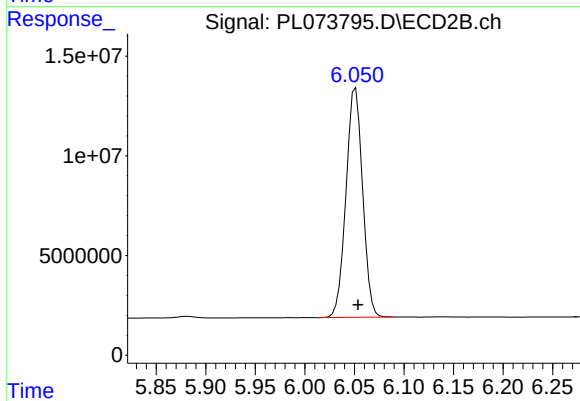
#1 Tetrachloro-m-xylene

R.T.: 5.487 min  
Delta R.T.: -0.004 min  
Response: 93117132  
Conc: 56.74 ng/ml



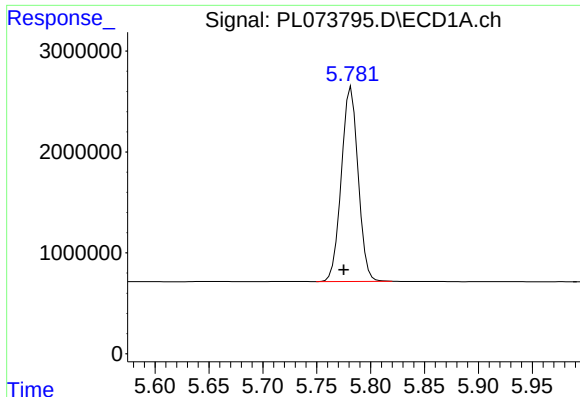
#2 alpha-BHC

R.T.: 5.358 min  
Delta R.T.: 0.007 min  
Response: 21222358  
Conc: 51.49 ng/ml



#2 alpha-BHC

R.T.: 6.051 min  
Delta R.T.: -0.003 min  
Response: 134238891  
Conc: 59.67 ng/ml



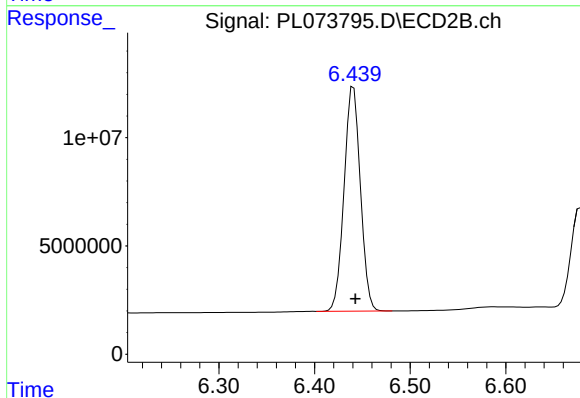
#3 gamma-BHC (Lindane)

R.T.: 5.782 min  
Delta R.T.: 0.007 min  
Response: 20930480  
Conc: 50.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

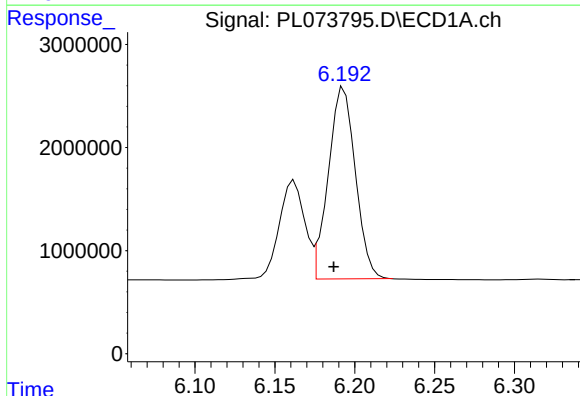
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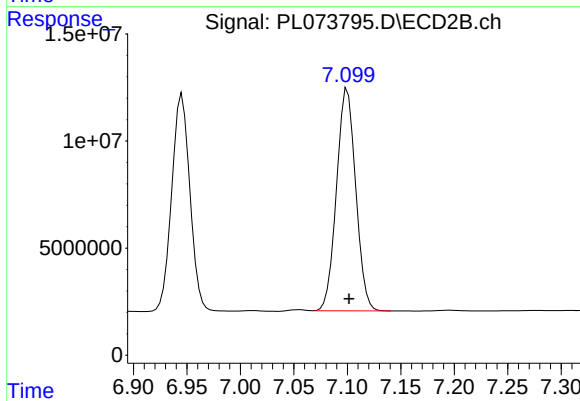
#3 gamma-BHC (Lindane)

R.T.: 6.441 min  
Delta R.T.: -0.002 min  
Response: 123552393  
Conc: 57.87 ng/ml



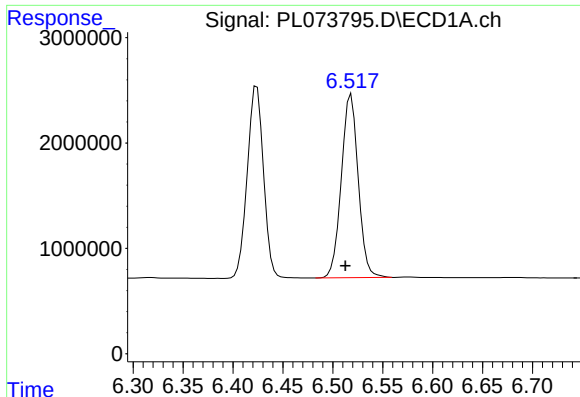
#4 Heptachlor

R.T.: 6.193 min  
Delta R.T.: 0.006 min  
Response: 21911990  
Conc: 48.56 ng/ml



#4 Heptachlor

R.T.: 7.100 min  
Delta R.T.: -0.001 min  
Response: 129818539  
Conc: 55.40 ng/ml



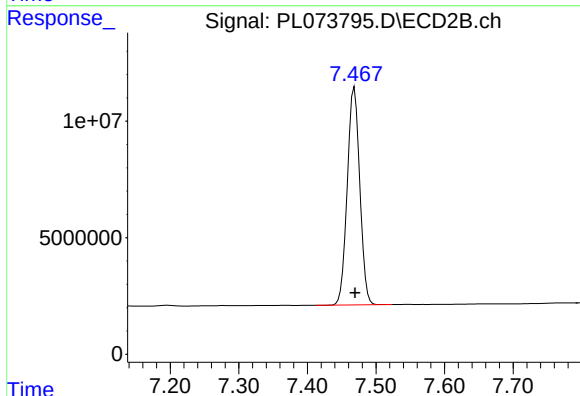
#5 Aldrin

R.T.: 6.518 min  
Delta R.T.: 0.006 min  
Response: 20511931  
Conc: 49.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

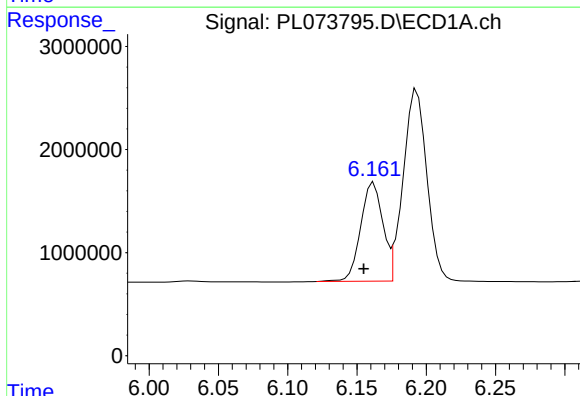
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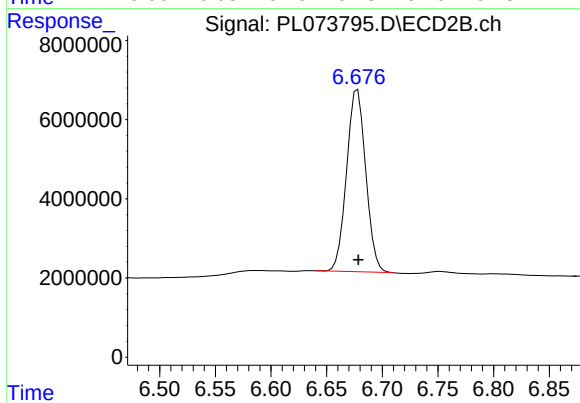
#5 Aldrin

R.T.: 7.468 min  
Delta R.T.: -0.001 min  
Response: 118568557  
Conc: 56.60 ng/ml



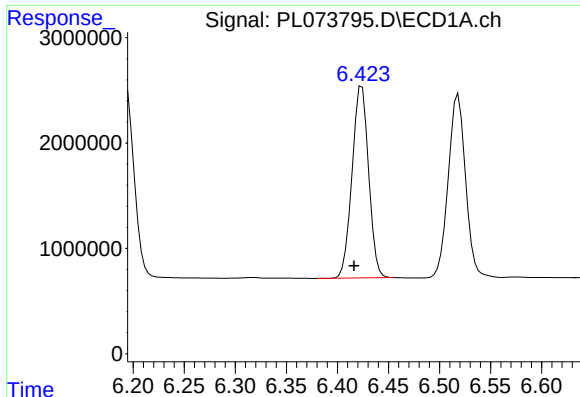
#6 beta-BHC

R.T.: 6.162 min  
Delta R.T.: 0.007 min  
Response: 10654202  
Conc: 51.75 ng/ml



#6 beta-BHC

R.T.: 6.678 min  
Delta R.T.: 0.000 min  
Response: 55113589  
Conc: 52.87 ng/ml



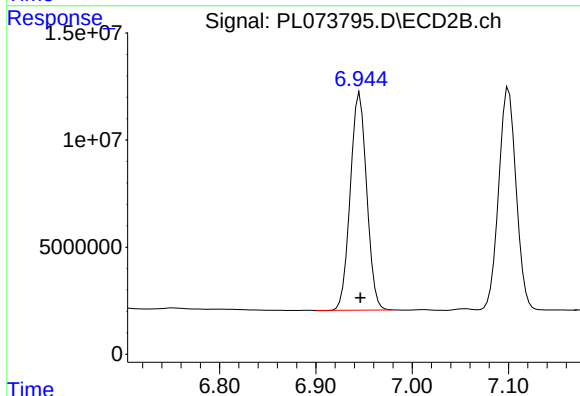
#7 delta-BHC

R.T.: 6.424 min  
Delta R.T.: 0.008 min  
Response: 20498223  
Conc: 51.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

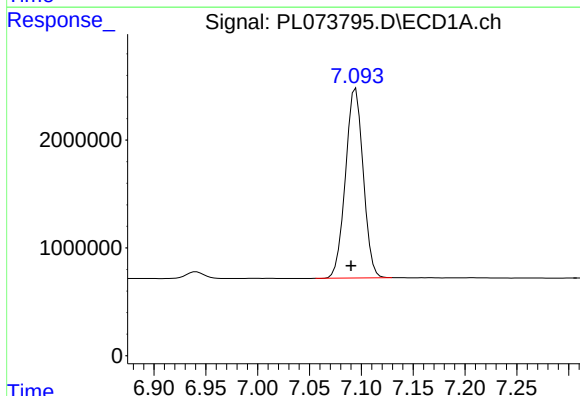
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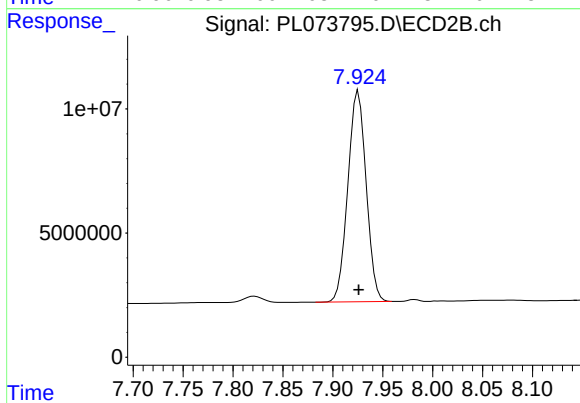
#7 delta-BHC

R.T.: 6.946 min  
Delta R.T.: 0.000 min  
Response: 119682006  
Conc: 55.57 ng/ml



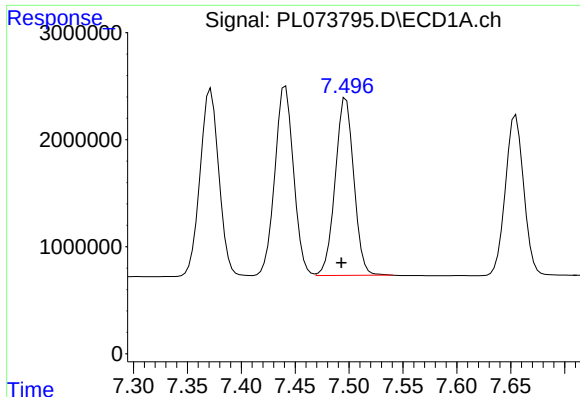
#8 Heptachlor epoxide

R.T.: 7.095 min  
Delta R.T.: 0.004 min  
Response: 20909682  
Conc: 48.52 ng/ml



#8 Heptachlor epoxide

R.T.: 7.926 min  
Delta R.T.: 0.000 min  
Response: 108530753  
Conc: 54.34 ng/ml



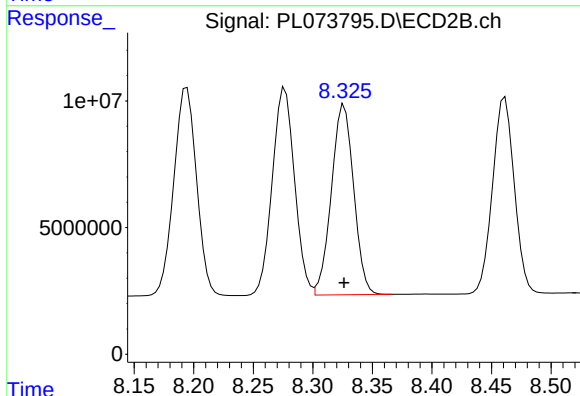
#9 Endosulfan I

R.T.: 7.497 min  
Delta R.T.: 0.004 min  
Response: 19977134  
Conc: 48.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

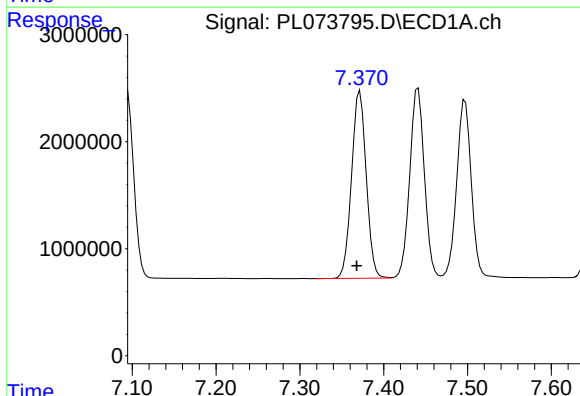
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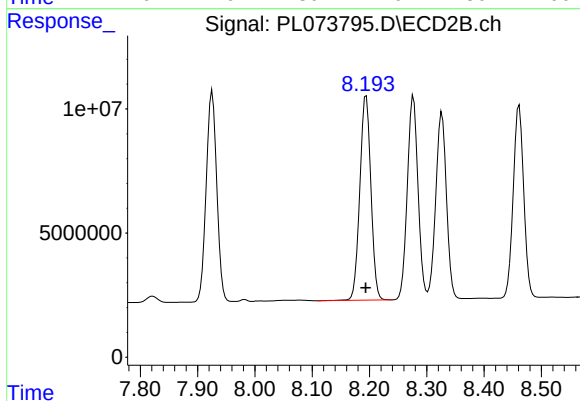
#9 Endosulfan I

R.T.: 8.326 min  
Delta R.T.: 0.000 min  
Response: 97791611  
Conc: 53.57 ng/ml



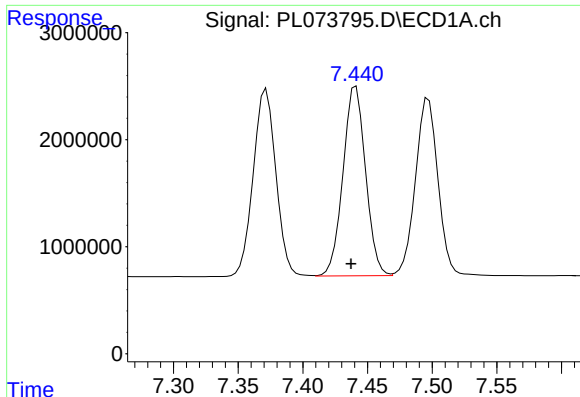
#10 gamma-Chlordane

R.T.: 7.372 min  
Delta R.T.: 0.004 min  
Response: 21316086  
Conc: 48.74 ng/ml



#10 gamma-Chlordane

R.T.: 8.194 min  
Delta R.T.: 0.000 min  
Response: 109910245  
Conc: 53.81 ng/ml



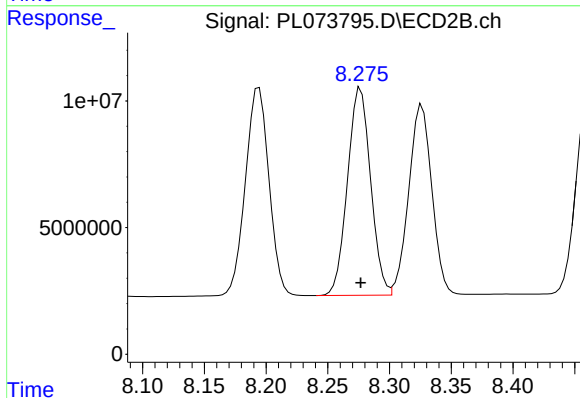
#11 alpha-Chlordane

R.T.: 7.441 min  
Delta R.T.: 0.004 min  
Response: 21496241  
Conc: 48.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

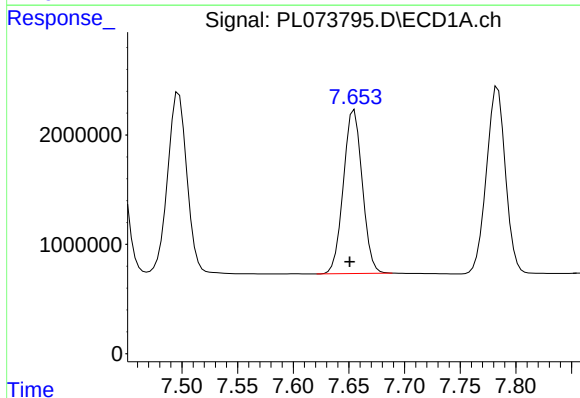
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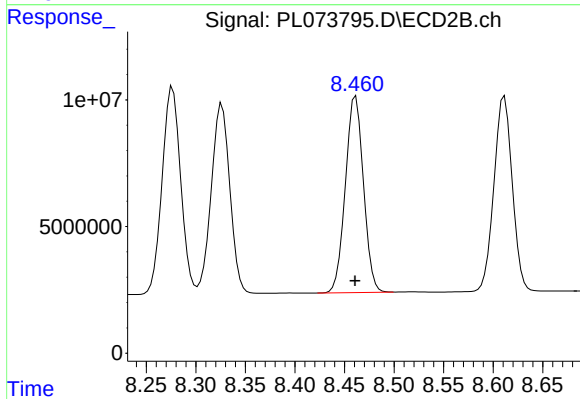
#11 alpha-Chlordane

R.T.: 8.277 min  
Delta R.T.: 0.000 min  
Response: 106967069  
Conc: 53.48 ng/ml



#12 4,4'-DDE

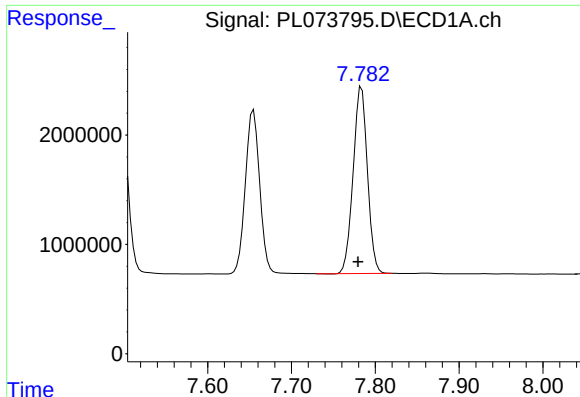
R.T.: 7.655 min  
Delta R.T.: 0.004 min  
Response: 17678911  
Conc: 49.27 ng/ml



#12 4,4'-DDE

R.T.: 8.461 min  
Delta R.T.: 0.000 min  
Response: 98420232  
Conc: 54.91 ng/ml





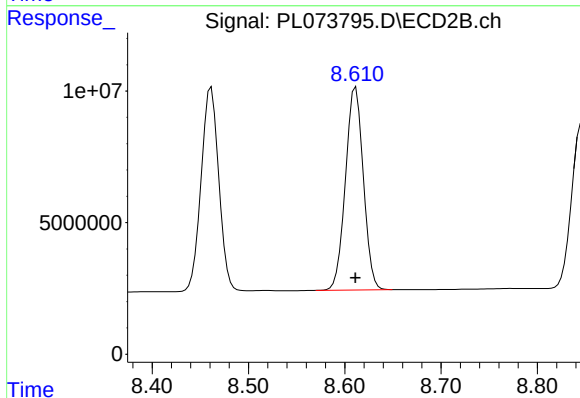
#13 Dieldrin

R.T.: 7.784 min  
Delta R.T.: 0.004 min  
Response: 20255865  
Conc: 48.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

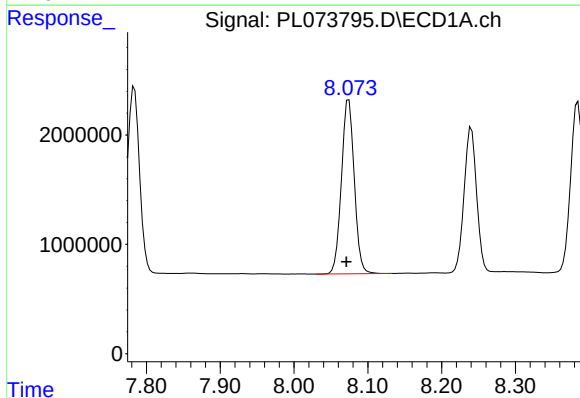
Manual Integrations  
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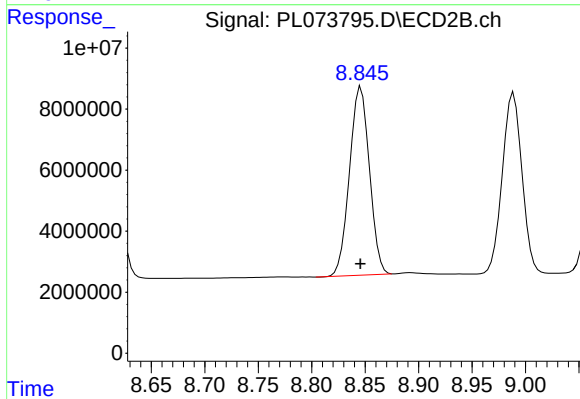
#13 Dieldrin

R.T.: 8.611 min  
Delta R.T.: 0.000 min  
Response: 99052127  
Conc: 53.69 ng/ml



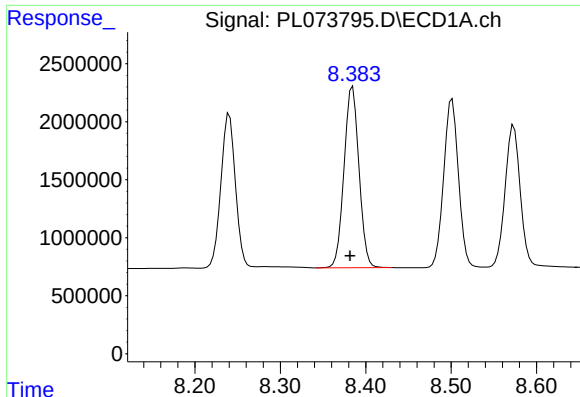
#14 Endrin

R.T.: 8.074 min  
Delta R.T.: 0.003 min  
Response: 19232186  
Conc: 49.57 ng/ml



#14 Endrin

R.T.: 8.846 min  
Delta R.T.: 0.000 min  
Response: 80219372  
Conc: 52.11 ng/ml



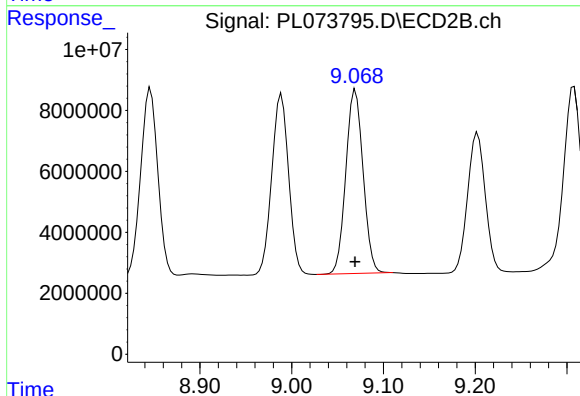
#15 Endosulfan II

R.T.: 8.385 min  
Delta R.T.: 0.003 min  
Response: 18992320  
Conc: 48.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

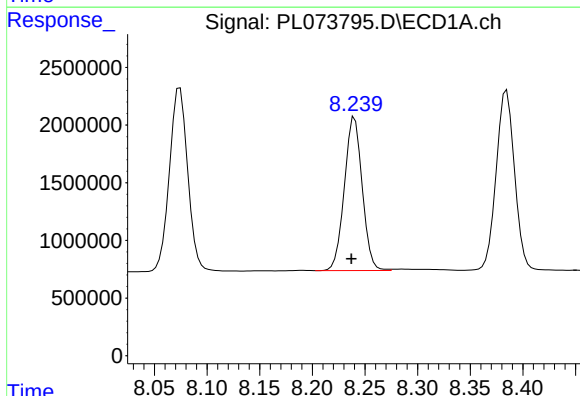
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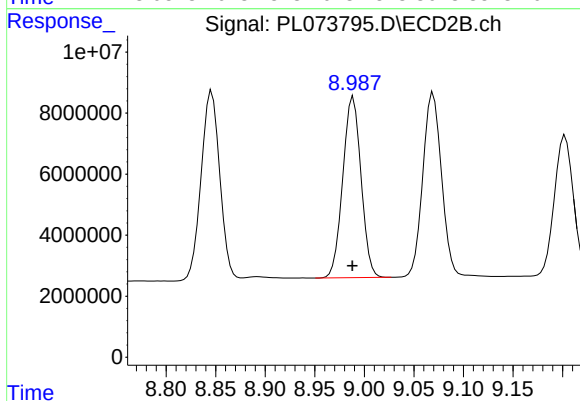
#15 Endosulfan II

R.T.: 9.069 min  
Delta R.T.: 0.000 min  
Response: 78625318  
Conc: 51.19 ng/ml



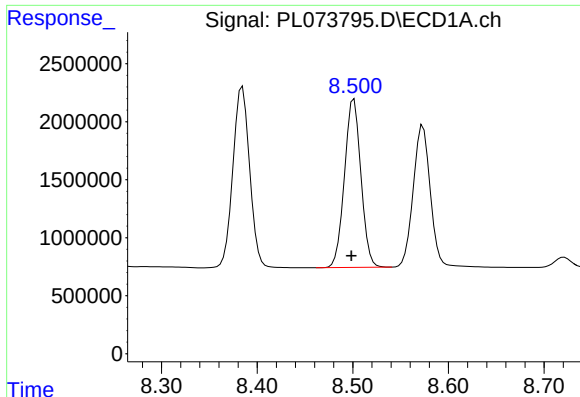
#16 4,4'-DDD

R.T.: 8.240 min  
Delta R.T.: 0.003 min  
Response: 15770836  
Conc: 48.56 ng/ml



#16 4,4'-DDD

R.T.: 8.989 min  
Delta R.T.: 0.000 min  
Response: 75967391  
Conc: 52.04 ng/ml



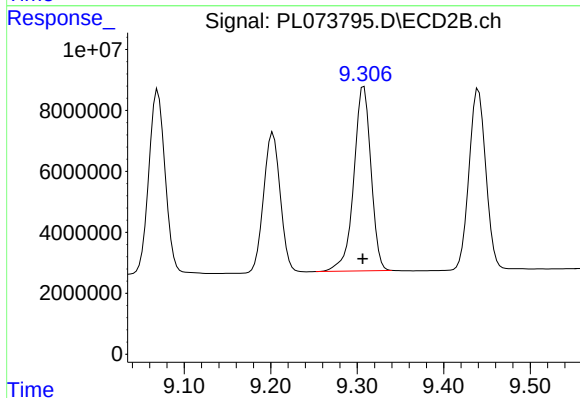
#17 4,4'-DDT

R.T.: 8.501 min  
Delta R.T.: 0.003 min  
Response: 17425311  
Conc: 46.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

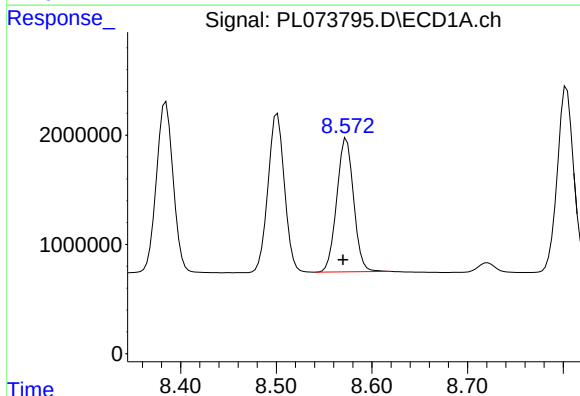
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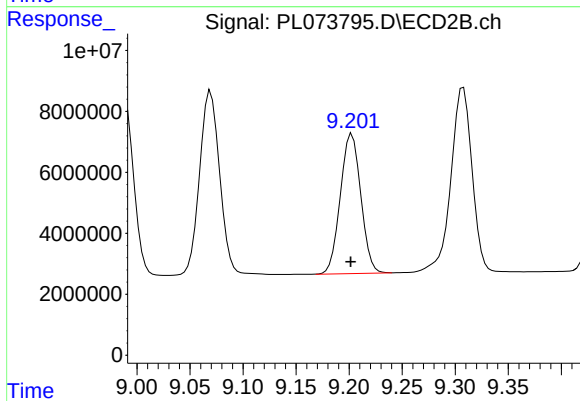
#17 4,4'-DDT

R.T.: 9.308 min  
Delta R.T.: 0.001 min  
Response: 83349321  
Conc: 50.99 ng/ml



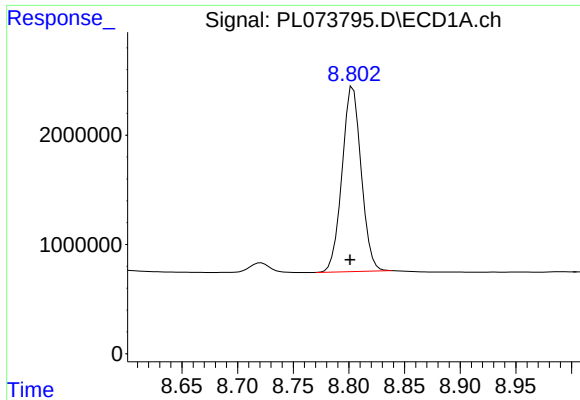
#18 Endrin aldehyde

R.T.: 8.573 min  
Delta R.T.: 0.003 min  
Response: 14969841  
Conc: 47.34 ng/ml



#18 Endrin aldehyde

R.T.: 9.201 min  
Delta R.T.: 0.000 min  
Response: 61606678  
Conc: 50.24 ng/ml m



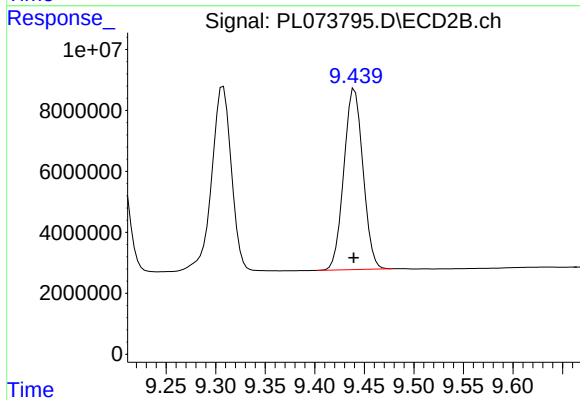
#19 Endosulfan Sulfate

R.T.: 8.804 min  
Delta R.T.: 0.003 min  
Response: 20266053  
Conc: 47.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

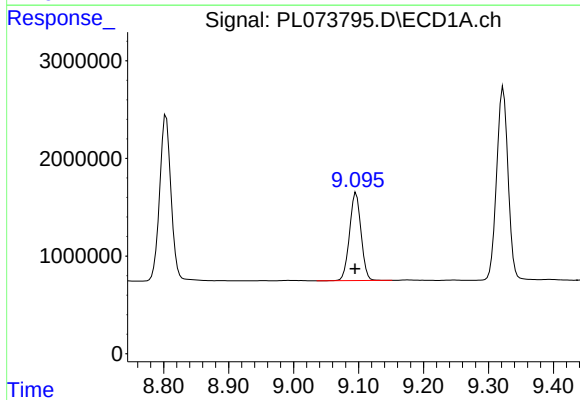
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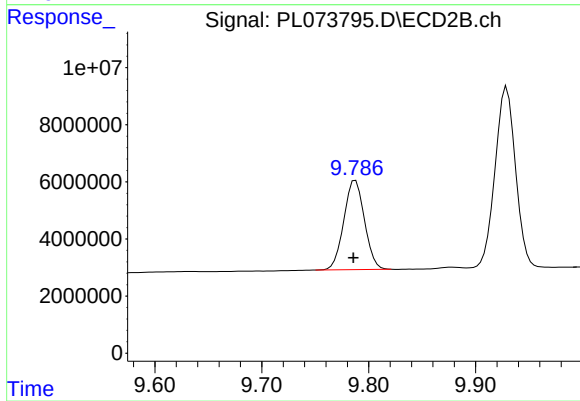
#19 Endosulfan Sulfate

R.T.: 9.440 min  
Delta R.T.: 0.000 min  
Response: 79871814  
Conc: 50.68 ng/ml



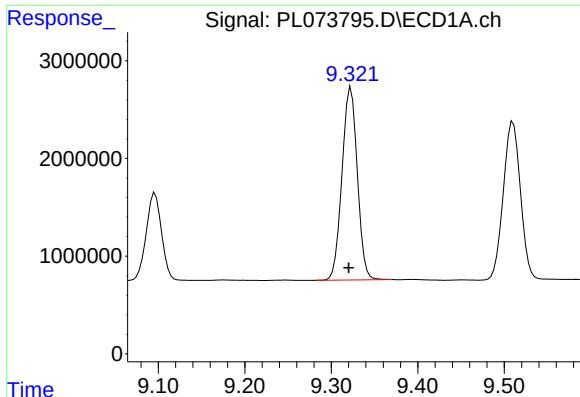
#20 Methoxychlor

R.T.: 9.096 min  
Delta R.T.: 0.002 min  
Response: 11097809  
Conc: 43.26 ng/ml



#20 Methoxychlor

R.T.: 9.788 min  
Delta R.T.: 0.002 min  
Response: 42100691  
Conc: 46.72 ng/ml



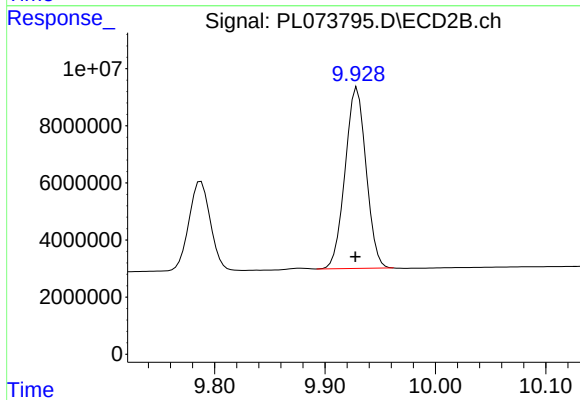
#21 Endrin ketone

R.T.: 9.323 min  
Delta R.T.: 0.003 min  
Response: 24134363  
Conc: 49.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

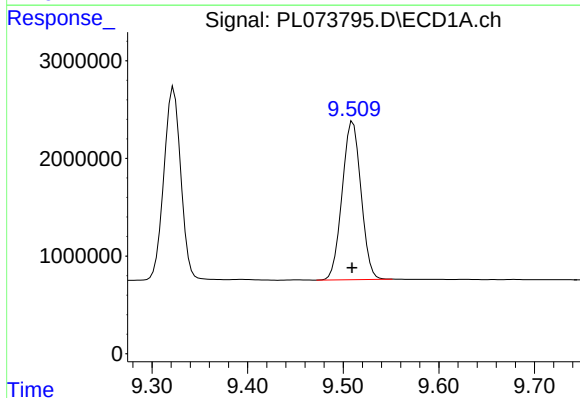
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/05/2022  
Supervised By :mohammad ahmed 04/05/2022



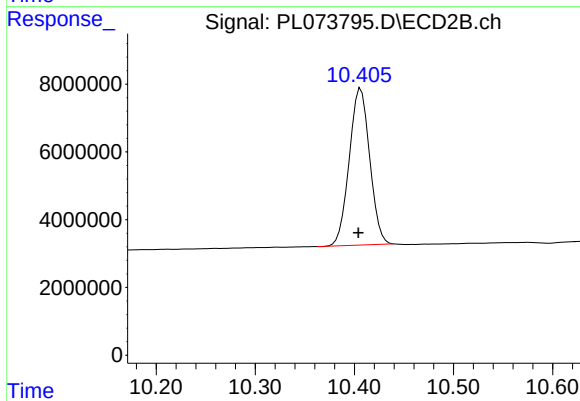
#21 Endrin ketone

R.T.: 9.929 min  
Delta R.T.: 0.001 min  
Response: 83787330  
Conc: 50.76 ng/ml



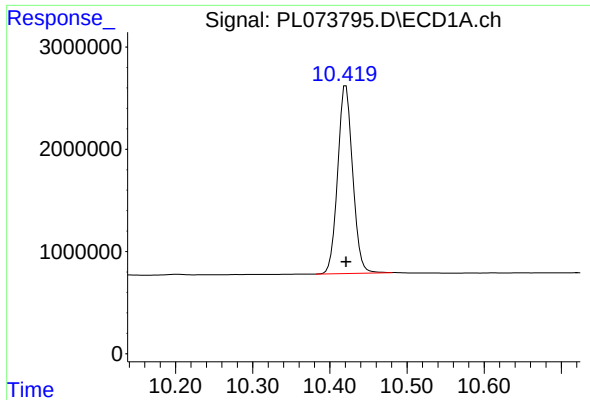
#22 Mirex

R.T.: 9.510 min  
Delta R.T.: 0.000 min  
Response: 22263267  
Conc: 47.21 ng/ml



#22 Mirex

R.T.: 10.407 min  
Delta R.T.: 0.002 min  
Response: 66516524  
Conc: 48.96 ng/ml



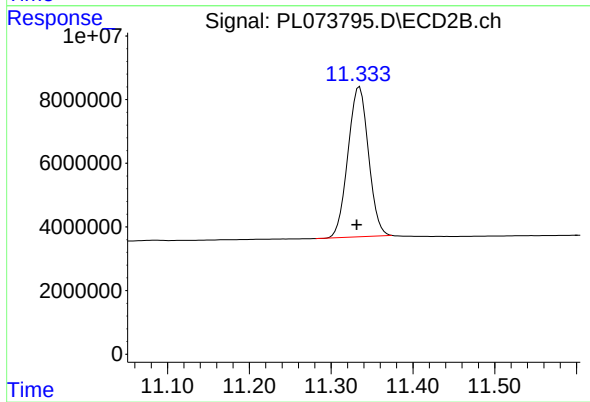
#28 Decachlorobiphenyl

R.T.: 10.421 min  
Delta R.T.: 0.000 min  
Response: 24798951  
Conc: 48.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/05/2022  
Supervised By :mohammad ahmed 04/05/2022



#28 Decachlorobiphenyl

R.T.: 11.335 min  
Delta R.T.: 0.003 min  
Response: 81989210  
Conc: 45.85 ng/ml