

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031822\  
 Data File : PL073474.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Mar 2022 16:13  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 03/21/2022  
 Supervised By : mohammad ahmed 03/22/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 19 00:54:22 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...          | 4.642  | 5.492  | 15691201 | 88582829 | 48.991 | 53.973  |
| 28) SA Decachlor...         | 10.417 | 11.331 | 23544419 | 84105522 | 46.302 | 47.034  |
| Target Compounds            |        |        |          |          |        |         |
| 2) A alpha-BHC              | 5.350  | 6.055  | 20425556 | 127.5E6  | 49.552 | 56.658  |
| 3) MA gamma-BHC...          | 5.774  | 6.443  | 20429922 | 119.3E6  | 48.977 | 55.878  |
| 4) MA Heptachlor            | 6.186  | 7.102  | 21968222 | 130.1E6  | 48.688 | 55.513  |
| 5) MB Aldrin                | 6.511  | 7.470  | 20103363 | 117.6E6  | 48.656 | 56.121  |
| 6) B beta-BHC               | 6.154  | 6.680  | 10322607 | 54760196 | 50.135 | 52.534  |
| 7) B delta-BHC              | 6.415  | 6.947  | 20032915 | 118.1E6  | 49.877 | 54.842  |
| 8) B Heptachlo...           | 7.087  | 7.926  | 20606219 | 109.4E6  | 47.813 | 54.763  |
| 9) A Endosulfan I           | 7.491  | 8.326  | 19650553 | 99348644 | 47.903 | 54.426  |
| 10) B gamma-Chl...          | 7.365  | 8.193  | 20869315 | 109.4E6  | 47.723 | 53.559m |
| 11) B alpha-Chl...          | 7.435  | 8.277  | 21081233 | 108.8E6  | 47.702 | 54.405  |
| 12) B 4,4'-DDE              | 7.649  | 8.461  | 17161019 | 97266460 | 47.824 | 54.267  |
| 13) MA Dieldrin             | 7.777  | 8.611  | 20332382 | 98819785 | 48.803 | 53.569  |
| 14) MA Endrin               | 8.068  | 8.846  | 18804487 | 81163838 | 48.465 | 52.724  |
| 15) B Endosulfa...          | 8.379  | 9.069  | 18498117 | 79942216 | 47.325 | 52.051  |
| 16) A 4,4'-DDD              | 8.234  | 8.988  | 15370450 | 78283657 | 47.332 | 53.630  |
| 17) MA 4,4'-DDT             | 8.496  | 9.306  | 17543893 | 83319542 | 46.390 | 50.975  |
| 18) B Endrin al...          | 8.568  | 9.201  | 14996361 | 63479771 | 47.420 | 51.765m |
| 19) B Endosulfa...          | 8.798  | 9.439  | 19900322 | 79832811 | 47.110 | 50.653  |
| 20) A Methoxychlor          | 9.092  | 9.786  | 11642029 | 43302775 | 45.382 | 48.057  |
| 21) B Endrin ke...          | 9.318  | 9.927  | 23537172 | 84254296 | 48.111 | 51.045  |
| 22) Mirex                   | 9.505  | 10.405 | 21427430 | 67496334 | 45.439 | 49.686  |
| -----                       |        |        |          |          |        |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031822\  
 Data File : PL073474.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Mar 2022 16:13  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

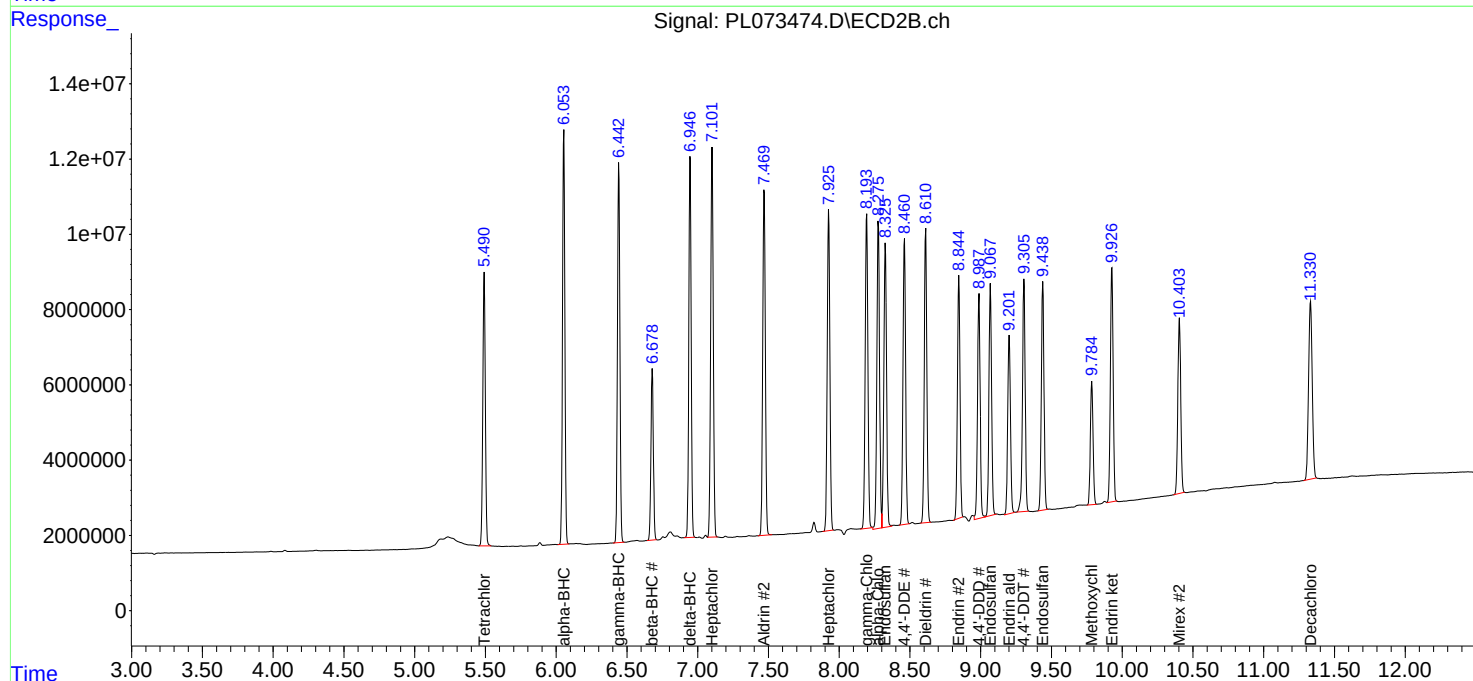
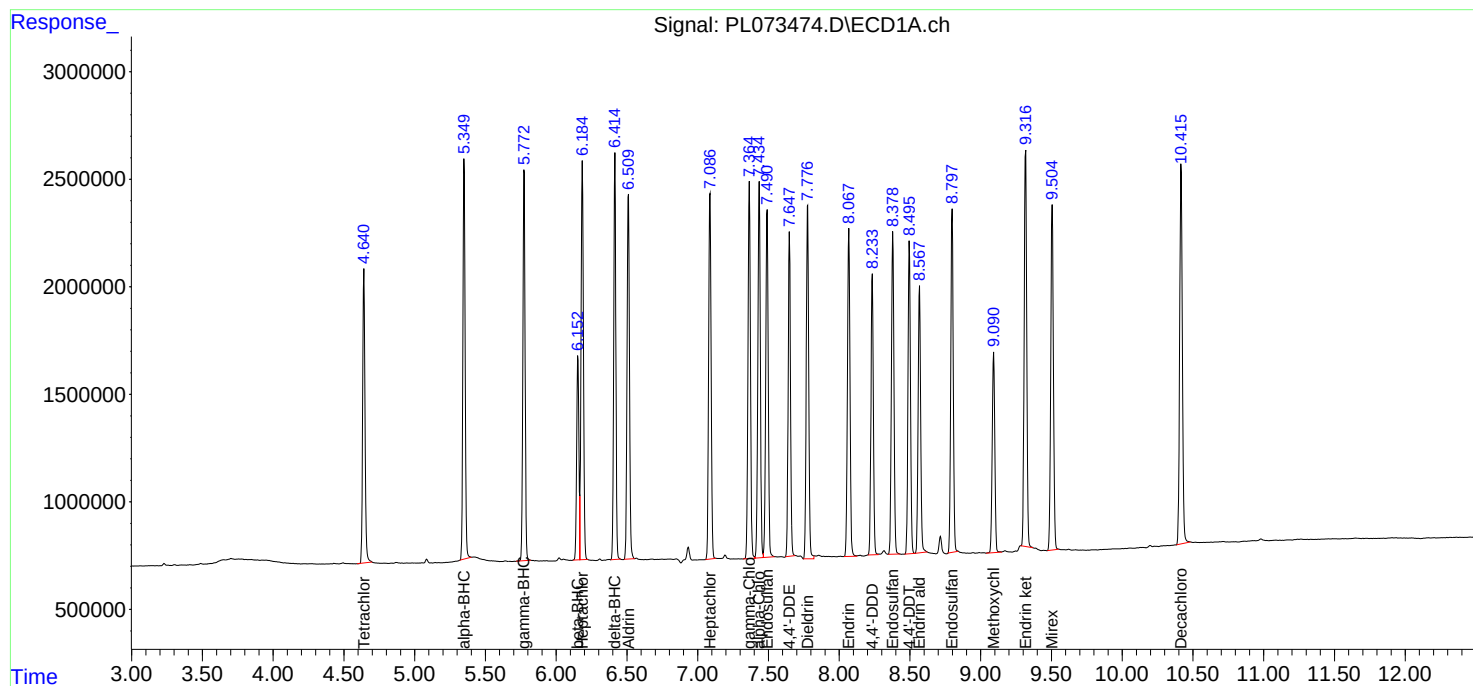
## APPROVED

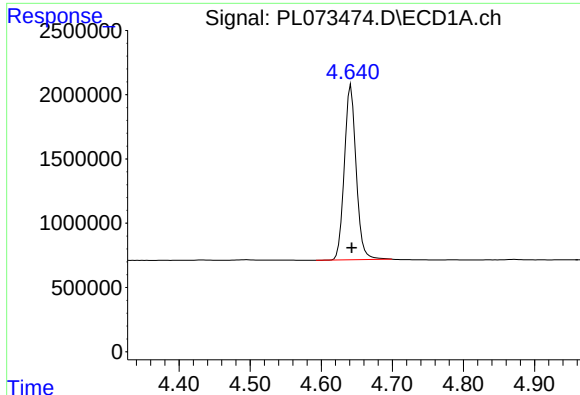
Reviewed By :Abdul Mirza 03/21/2022

Supervised By :mohammad ahmed 03/22/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 19 00:54:22 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031122.M  
 Quant Title : GC Extractables  
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 Response via : Initial Calibration  
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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





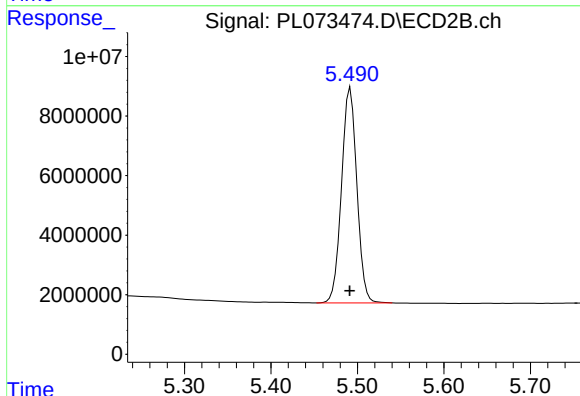
#1 Tetrachloro-m-xylene

R.T.: 4.642 min  
Delta R.T.: -0.001 min  
Response: 15691201  
Conc: 48.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

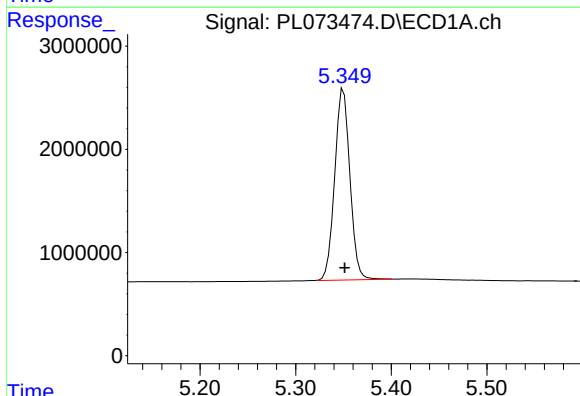
Manual Integrations  
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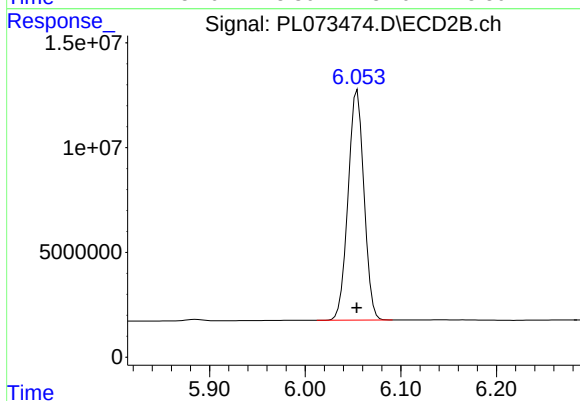
#1 Tetrachloro-m-xylene

R.T.: 5.492 min  
Delta R.T.: 0.000 min  
Response: 88582829  
Conc: 53.97 ng/ml



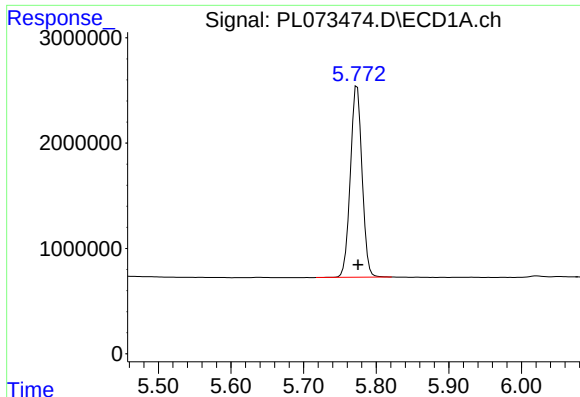
#2 alpha-BHC

R.T.: 5.350 min  
Delta R.T.: -0.001 min  
Response: 20425556  
Conc: 49.55 ng/ml



#2 alpha-BHC

R.T.: 6.055 min  
Delta R.T.: 0.000 min  
Response: 127460352  
Conc: 56.66 ng/ml



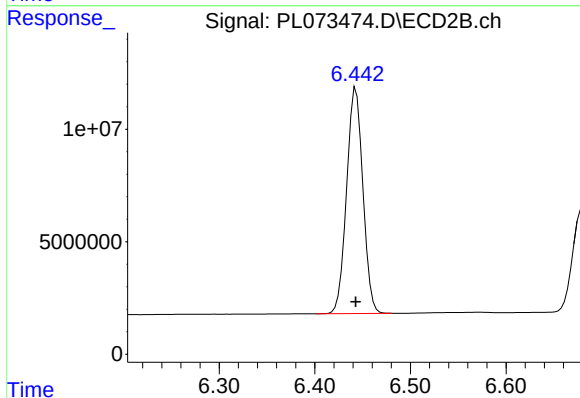
#3 gamma-BHC (Lindane)

R.T.: 5.774 min  
Delta R.T.: -0.001 min  
Response: 20429922  
Conc: 48.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

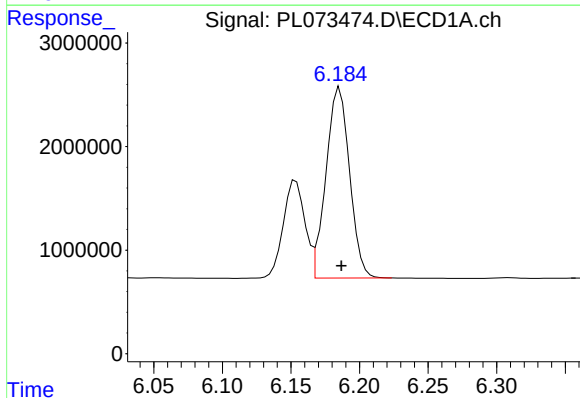
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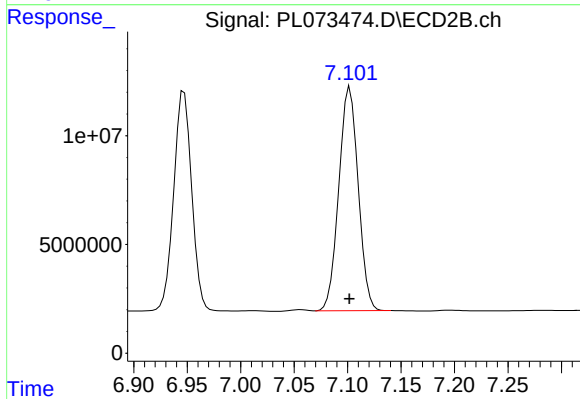
#3 gamma-BHC (Lindane)

R.T.: 6.443 min  
Delta R.T.: 0.000 min  
Response: 119304699  
Conc: 55.88 ng/ml



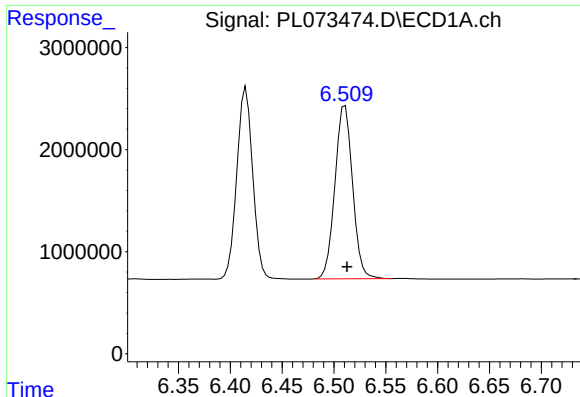
#4 Heptachlor

R.T.: 6.186 min  
Delta R.T.: -0.001 min  
Response: 21968222  
Conc: 48.69 ng/ml



#4 Heptachlor

R.T.: 7.102 min  
Delta R.T.: 0.000 min  
Response: 130072850  
Conc: 55.51 ng/ml



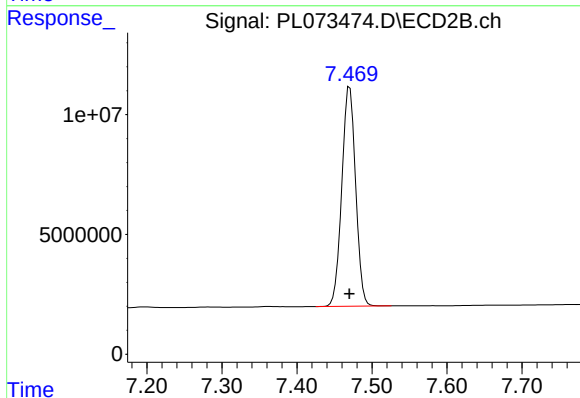
#5 Aldrin

R.T.: 6.511 min  
Delta R.T.: -0.002 min  
Response: 20103363  
Conc: 48.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

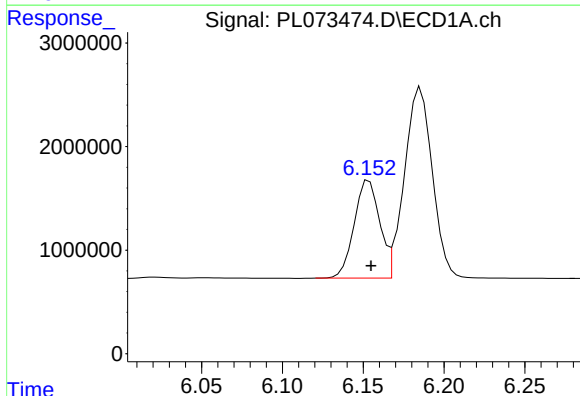
Manual Integrations  
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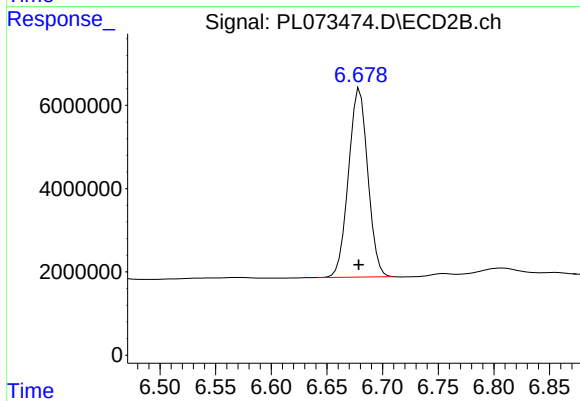
#5 Aldrin

R.T.: 7.470 min  
Delta R.T.: 0.000 min  
Response: 117573018  
Conc: 56.12 ng/ml



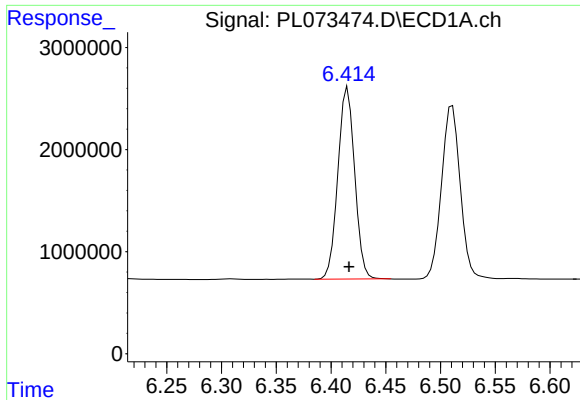
#6 beta-BHC

R.T.: 6.154 min  
Delta R.T.: -0.001 min  
Response: 10322607  
Conc: 50.14 ng/ml



#6 beta-BHC

R.T.: 6.680 min  
Delta R.T.: 0.000 min  
Response: 54760196  
Conc: 52.53 ng/ml



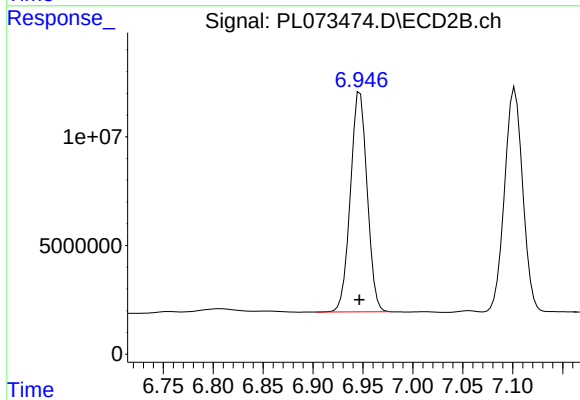
#7 delta-BHC

R.T.: 6.415 min  
Delta R.T.: -0.001 min  
Response: 20032915  
Conc: 49.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

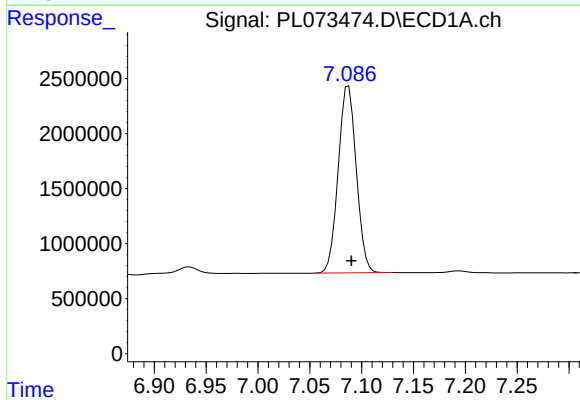
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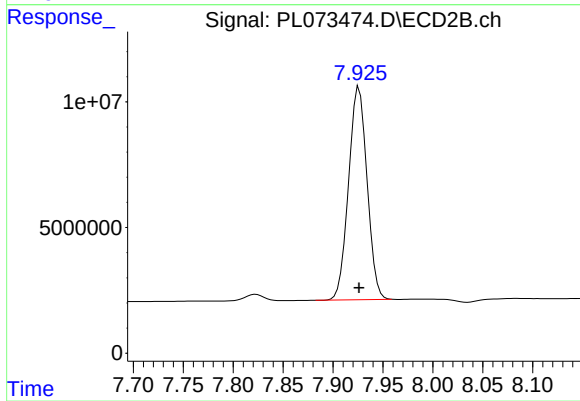
#7 delta-BHC

R.T.: 6.947 min  
Delta R.T.: 0.000 min  
Response: 118106613  
Conc: 54.84 ng/ml



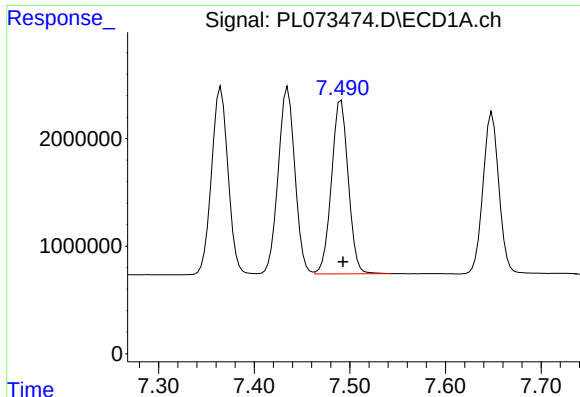
#8 Heptachlor epoxide

R.T.: 7.087 min  
Delta R.T.: -0.003 min  
Response: 20606219  
Conc: 47.81 ng/ml



#8 Heptachlor epoxide

R.T.: 7.926 min  
Delta R.T.: 0.000 min  
Response: 109379009  
Conc: 54.76 ng/ml



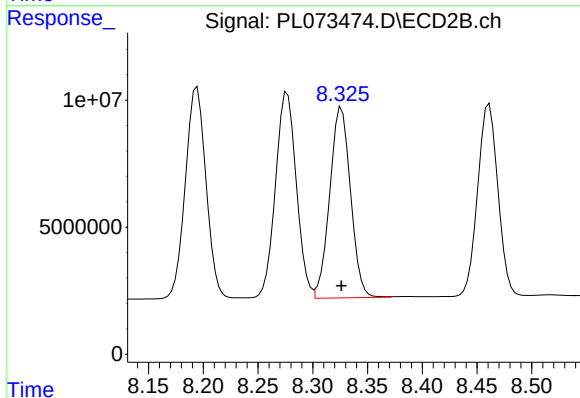
#9 Endosulfan I

R.T.: 7.491 min  
Delta R.T.: -0.002 min  
Response: 19650553  
Conc: 47.90 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

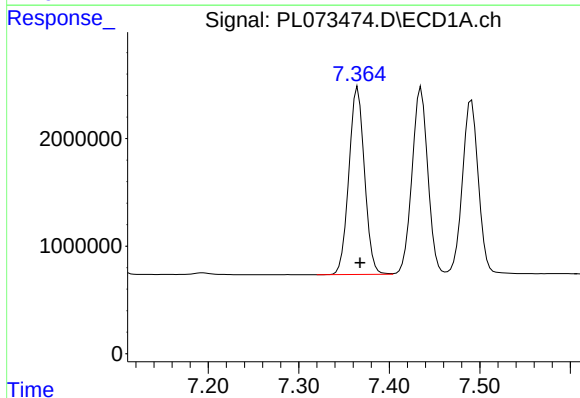
Manual Integrations  
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Supervised By :mohammad ahmed 03/22/2022



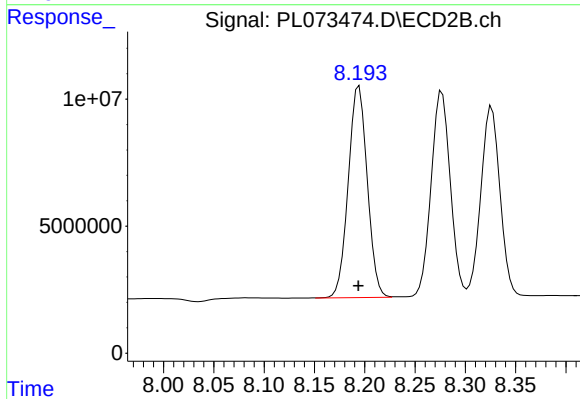
#9 Endosulfan I

R.T.: 8.326 min  
Delta R.T.: 0.000 min  
Response: 99348644  
Conc: 54.43 ng/ml



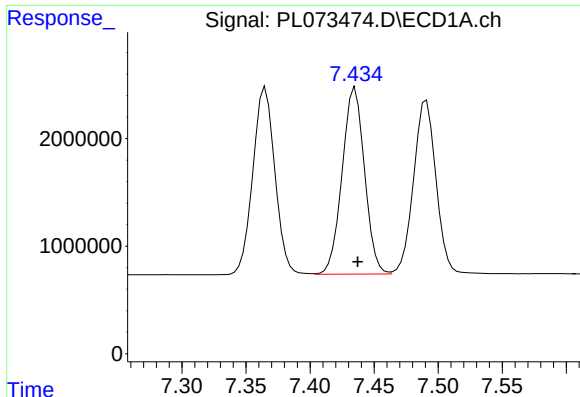
#10 gamma-Chlordane

R.T.: 7.365 min  
Delta R.T.: -0.002 min  
Response: 20869315  
Conc: 47.72 ng/ml



#10 gamma-Chlordane

R.T.: 8.193 min  
Delta R.T.: 0.000 min  
Response: 109389228  
Conc: 53.56 ng/ml m



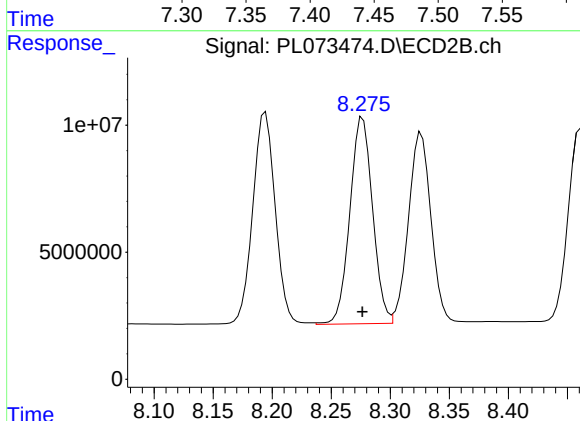
#11 alpha-Chlordane

R.T.: 7.435 min  
Delta R.T.: -0.002 min  
Response: 21081233  
Conc: 47.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

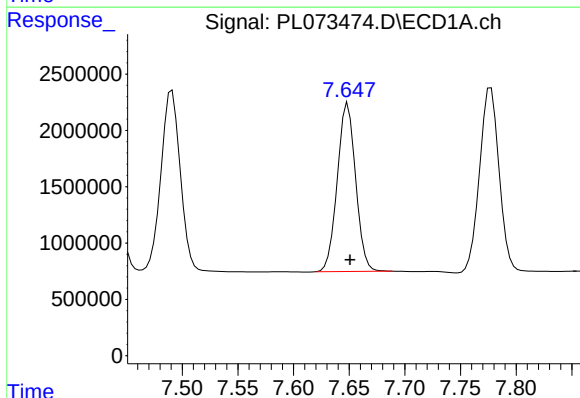
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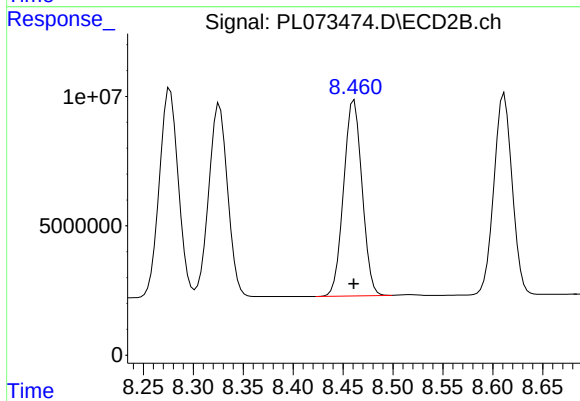
#11 alpha-Chlordane

R.T.: 8.277 min  
Delta R.T.: 0.000 min  
Response: 108810602  
Conc: 54.41 ng/ml



#12 4,4'-DDE

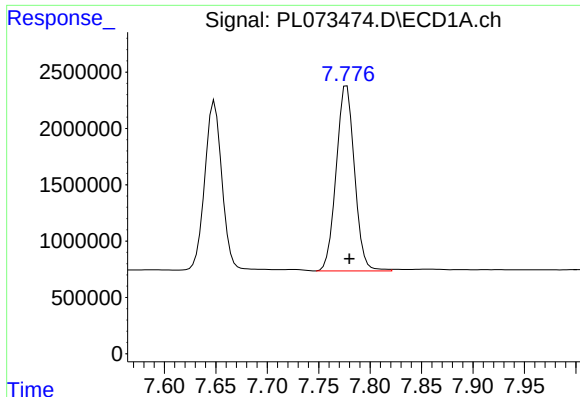
R.T.: 7.649 min  
Delta R.T.: -0.002 min  
Response: 17161019  
Conc: 47.82 ng/ml



#12 4,4'-DDE

R.T.: 8.461 min  
Delta R.T.: 0.000 min  
Response: 97266460  
Conc: 54.27 ng/ml





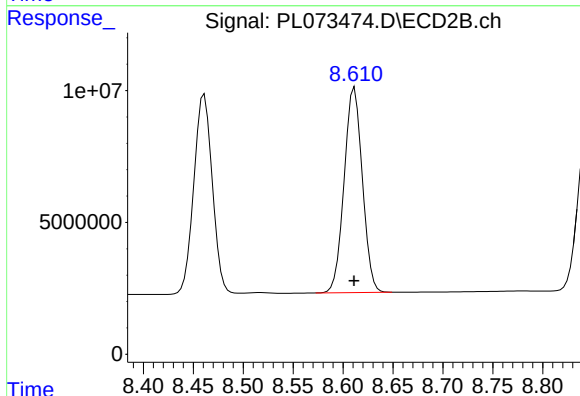
#13 Dieldrin

R.T.: 7.777 min  
Delta R.T.: -0.002 min  
Response: 20332382  
Conc: 48.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

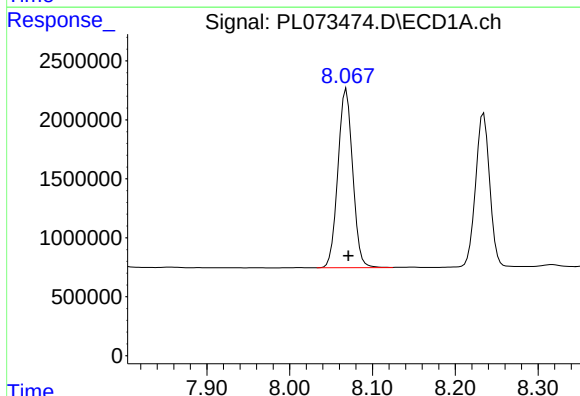
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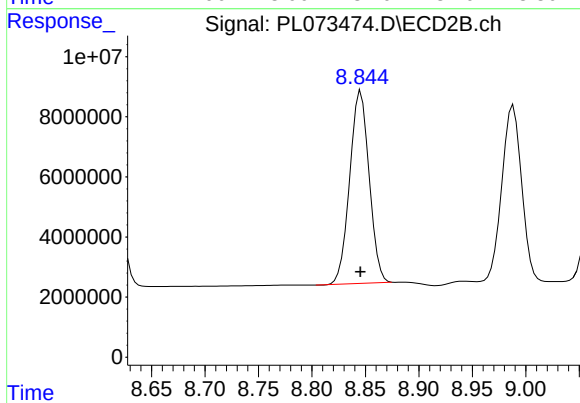
#13 Dieldrin

R.T.: 8.611 min  
Delta R.T.: 0.000 min  
Response: 98819785  
Conc: 53.57 ng/ml



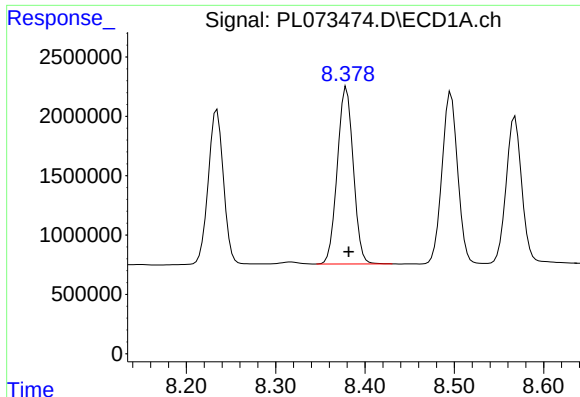
#14 Endrin

R.T.: 8.068 min  
Delta R.T.: -0.002 min  
Response: 18804487  
Conc: 48.46 ng/ml



#14 Endrin

R.T.: 8.846 min  
Delta R.T.: 0.000 min  
Response: 81163838  
Conc: 52.72 ng/ml



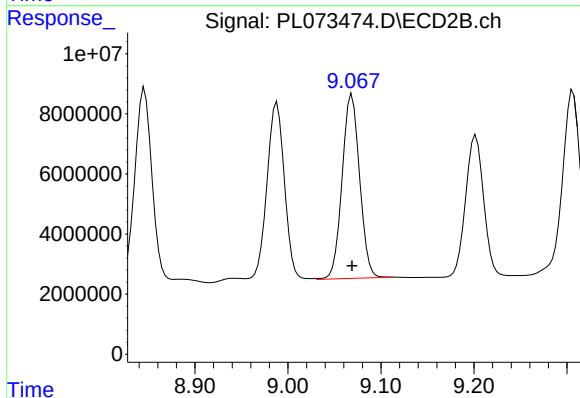
#15 Endosulfan II

R.T.: 8.379 min  
Delta R.T.: -0.002 min  
Response: 18498117  
Conc: 47.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

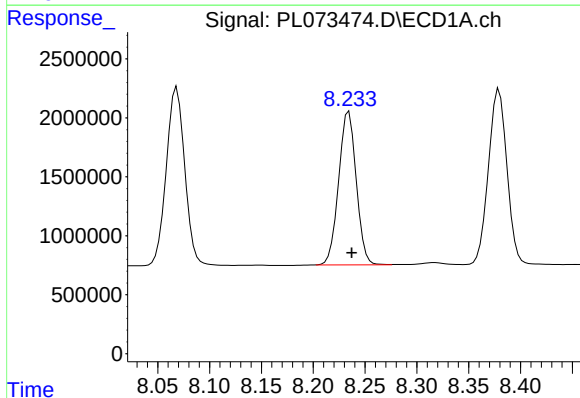
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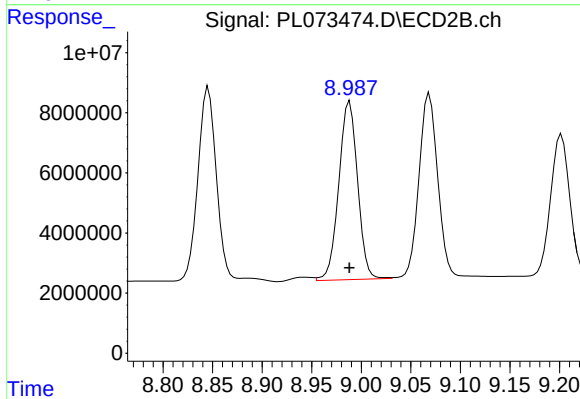
#15 Endosulfan II

R.T.: 9.069 min  
Delta R.T.: 0.000 min  
Response: 79942216  
Conc: 52.05 ng/ml



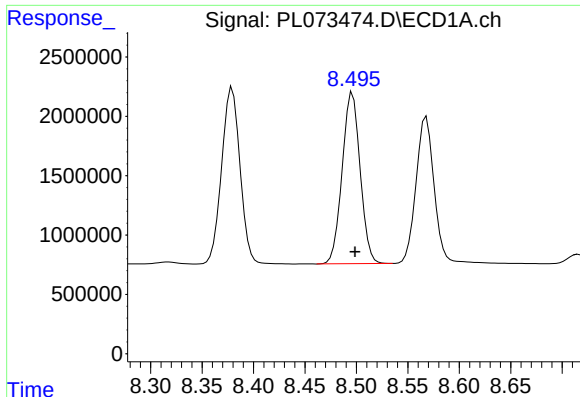
#16 4,4'-DDD

R.T.: 8.234 min  
Delta R.T.: -0.003 min  
Response: 15370450  
Conc: 47.33 ng/ml



#16 4,4'-DDD

R.T.: 8.988 min  
Delta R.T.: 0.000 min  
Response: 78283657  
Conc: 53.63 ng/ml



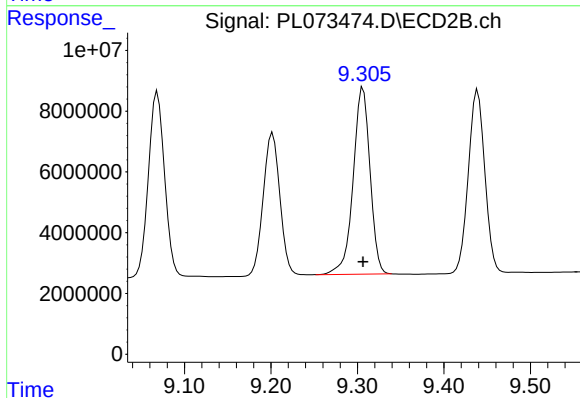
#17 4,4'-DDT

R.T.: 8.496 min  
Delta R.T.: -0.002 min  
Response: 17543893  
Conc: 46.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

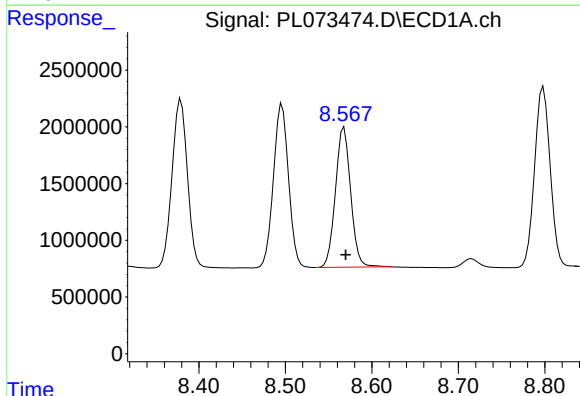
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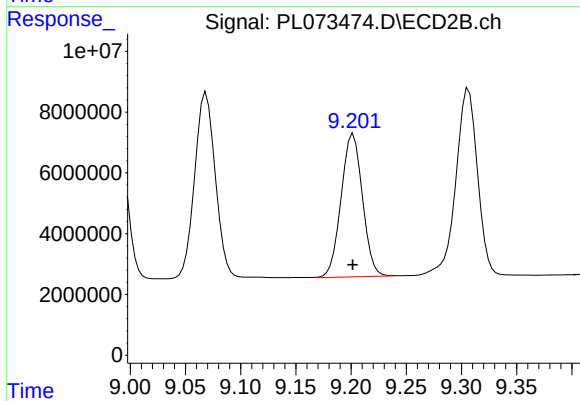
#17 4,4'-DDT

R.T.: 9.306 min  
Delta R.T.: 0.000 min  
Response: 83319542  
Conc: 50.97 ng/ml



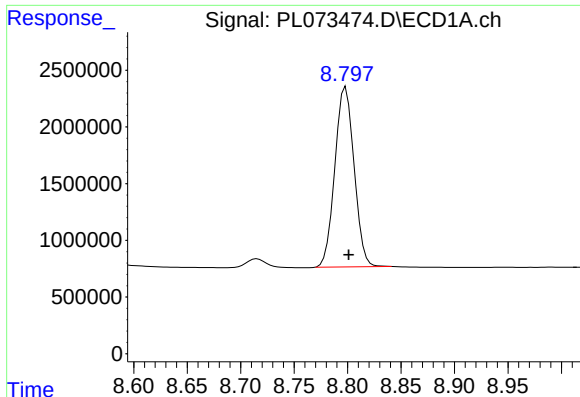
#18 Endrin aldehyde

R.T.: 8.568 min  
Delta R.T.: -0.002 min  
Response: 14996361  
Conc: 47.42 ng/ml



#18 Endrin aldehyde

R.T.: 9.201 min  
Delta R.T.: 0.000 min  
Response: 63479771  
Conc: 51.76 ng/ml m



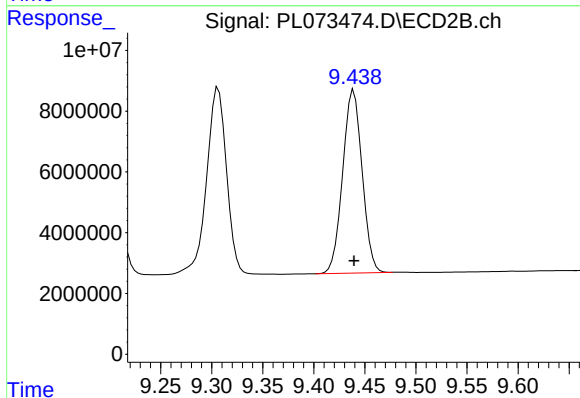
#19 Endosulfan Sulfate

R.T.: 8.798 min  
Delta R.T.: -0.003 min  
Response: 19900322  
Conc: 47.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

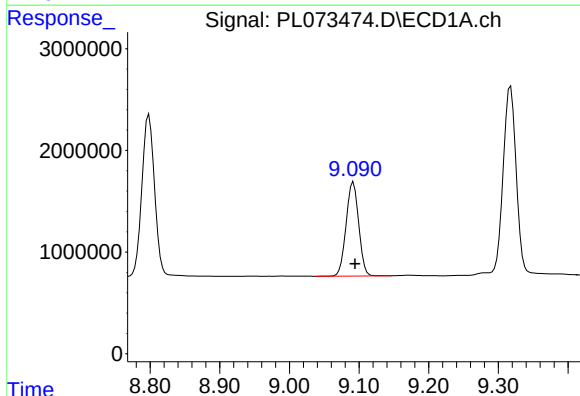
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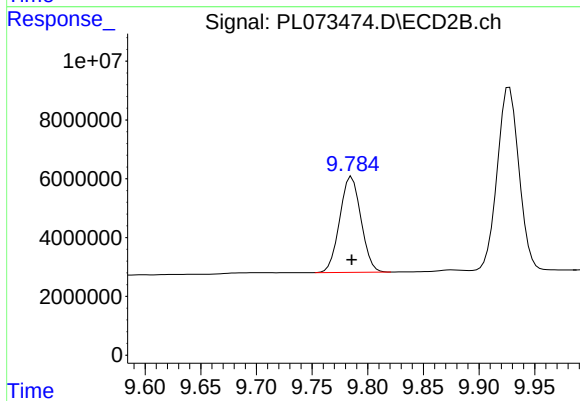
#19 Endosulfan Sulfate

R.T.: 9.439 min  
Delta R.T.: 0.000 min  
Response: 79832811  
Conc: 50.65 ng/ml



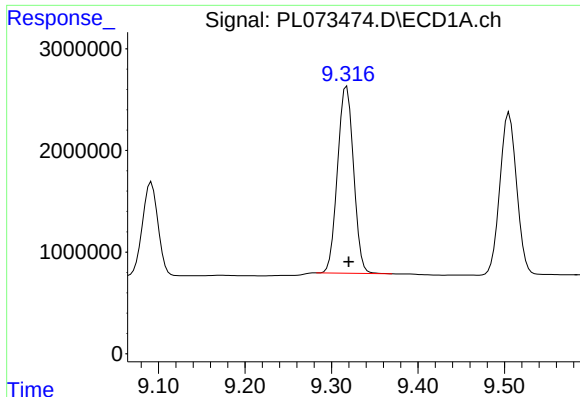
#20 Methoxychlor

R.T.: 9.092 min  
Delta R.T.: -0.003 min  
Response: 11642029  
Conc: 45.38 ng/ml



#20 Methoxychlor

R.T.: 9.786 min  
Delta R.T.: 0.000 min  
Response: 43302775  
Conc: 48.06 ng/ml



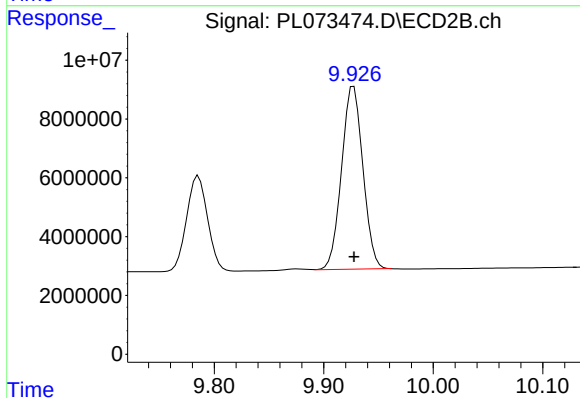
#21 Endrin ketone

R.T.: 9.318 min  
Delta R.T.: -0.002 min  
Response: 23537172  
Conc: 48.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

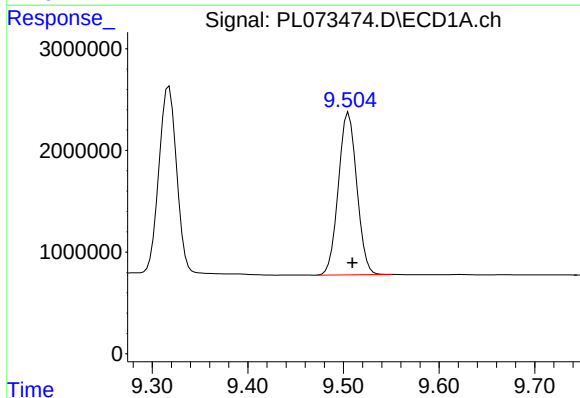
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/21/2022  
Supervised By :mohammad ahmed 03/22/2022



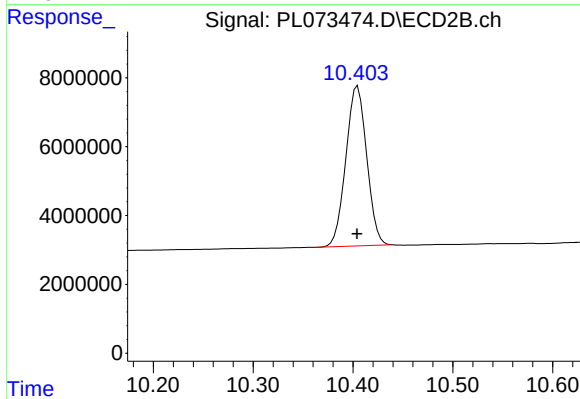
#21 Endrin ketone

R.T.: 9.927 min  
Delta R.T.: 0.000 min  
Response: 84254296  
Conc: 51.04 ng/ml



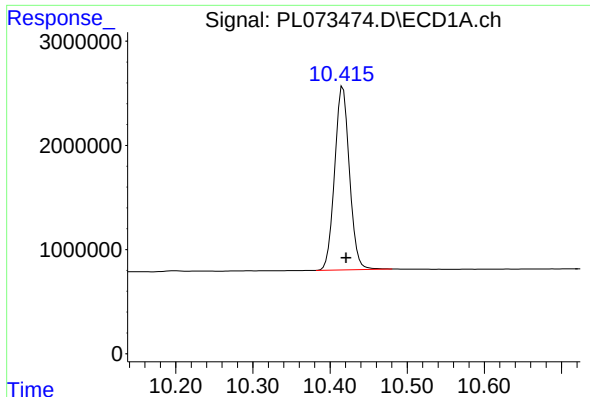
#22 Mirex

R.T.: 9.505 min  
Delta R.T.: -0.004 min  
Response: 21427430  
Conc: 45.44 ng/ml



#22 Mirex

R.T.: 10.405 min  
Delta R.T.: 0.000 min  
Response: 67496334  
Conc: 49.69 ng/ml



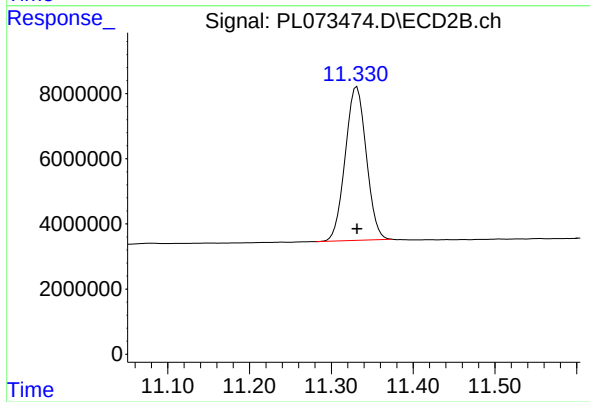
#28 Decachlorobiphenyl

R.T.: 10.417 min  
Delta R.T.: -0.004 min  
Response: 23544419  
Conc: 46.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/21/2022  
Supervised By :mohammad ahmed 03/22/2022



#28 Decachlorobiphenyl

R.T.: 11.331 min  
Delta R.T.: 0.000 min  
Response: 84105522  
Conc: 47.03 ng/ml