

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032222\  
 Data File : PL073560.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Mar 2022 10:01  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 03/23/2022  
 Supervised By : mohammad ahmed 03/23/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 23 01:40:06 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... | 4.653  | 5.488  | 15444261 | 85426667 | 48.220  | 52.050  |
| 28)                         | SA Decachlor... | 10.425 | 11.333 | 24905436 | 86879298 | 48.978  | 48.585  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 5.361  | 6.051  | 20325659 | 121.6E6  | 49.310  | 54.074  |
| 3)                          | MA gamma-BHC... | 5.784  | 6.441  | 20278281 | 111.9E6  | 48.613  | 52.393  |
| 4)                          | MA Heptachlor   | 6.195  | 7.100  | 21274264 | 118.8E6  | 47.150  | 50.716  |
| 5)                          | MB Aldrin       | 6.520  | 7.469  | 19908192 | 110.3E6  | 48.184  | 52.633  |
| 6)                          | B beta-BHC      | 6.164  | 6.677  | 10275648 | 50168012 | 49.907  | 48.129  |
| 7)                          | B delta-BHC     | 6.426  | 6.945  | 19879644 | 108.5E6  | 49.495  | 50.391  |
| 8)                          | B Heptachlo...  | 7.096  | 7.925  | 20578086 | 103.2E6  | 47.747  | 51.661  |
| 9)                          | A Endosulfan I  | 7.500  | 8.326  | 19680441 | 93389621 | 47.975  | 51.161  |
| 10)                         | B gamma-Chl...  | 7.374  | 8.193  | 20942064 | 103.9E6  | 47.889  | 50.888m |
| 11)                         | B alpha-Chl...  | 7.444  | 8.277  | 21087937 | 102.1E6  | 47.718  | 51.052  |
| 12)                         | B 4,4'-DDE      | 7.657  | 8.461  | 17444363 | 92397588 | 48.613  | 51.550  |
| 13)                         | MA Dieldrin     | 7.784  | 8.611  | 20179814 | 94249497 | 48.437m | 51.091  |
| 14)                         | MA Endrin       | 8.076  | 8.846  | 17694537 | 71522948 | 45.604  | 46.461  |
| 15)                         | B Endosulfa...  | 8.387  | 9.070  | 18938305 | 76803520 | 48.451  | 50.008  |
| 16)                         | A 4,4'-DDD      | 8.242  | 8.988  | 16952110 | 75735006 | 52.202  | 51.884  |
| 17)                         | MA 4,4'-DDT     | 8.504  | 9.307  | 16578500 | 74900319 | 43.837  | 45.824  |
| 18)                         | B Endrin al...  | 8.575  | 9.201  | 15258145 | 61395502 | 48.247  | 50.065m |
| 19)                         | B Endosulfa...  | 8.807  | 9.440  | 20483315 | 78192492 | 48.490  | 49.612  |
| 20)                         | A Methoxychlor  | 9.100  | 9.787  | 10920564 | 38581877 | 42.570  | 42.818  |
| 21)                         | B Endrin ke...  | 9.325  | 9.929  | 25739877 | 85243599 | 52.614  | 51.644  |
| 22)                         | Mirex           | 9.514  | 10.406 | 22406388 | 67391092 | 47.515  | 49.609  |
| -----                       |                 |        |        |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032222\  
Data File : PL073560.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Mar 2022 10:01  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

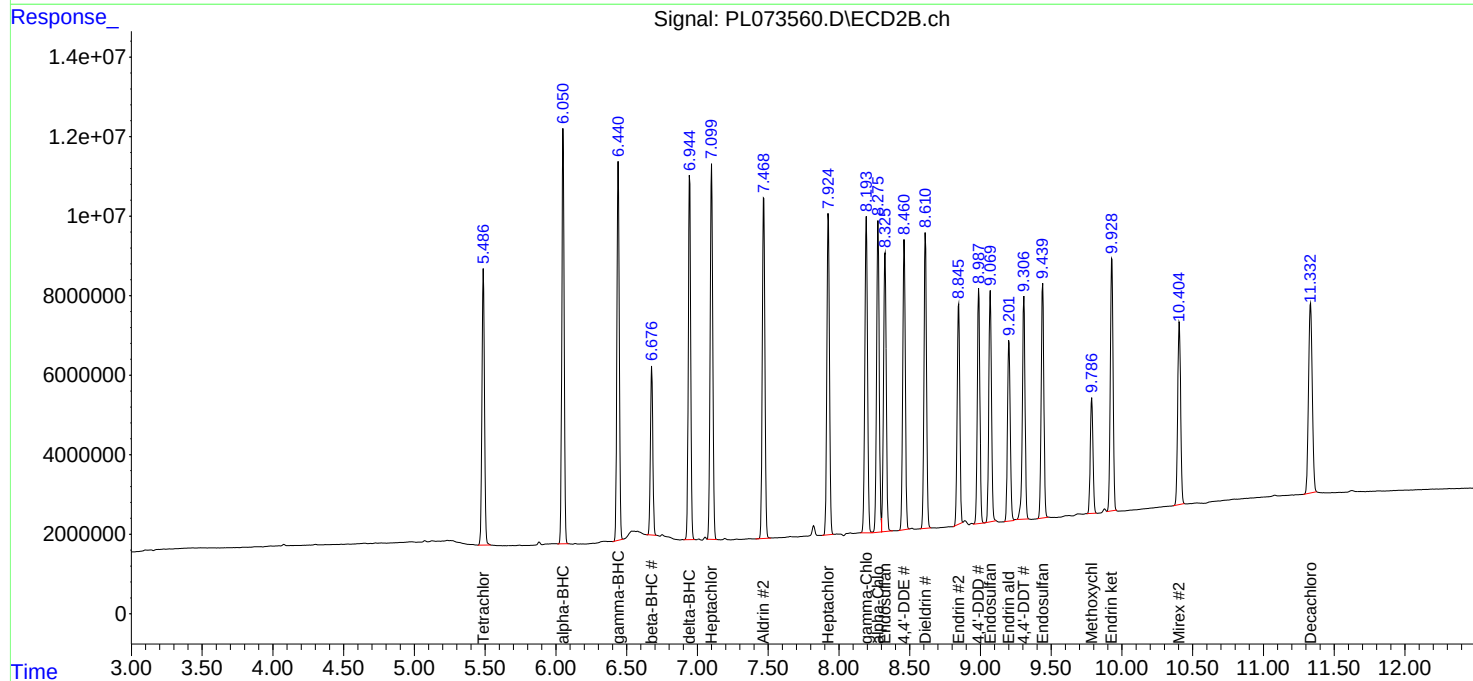
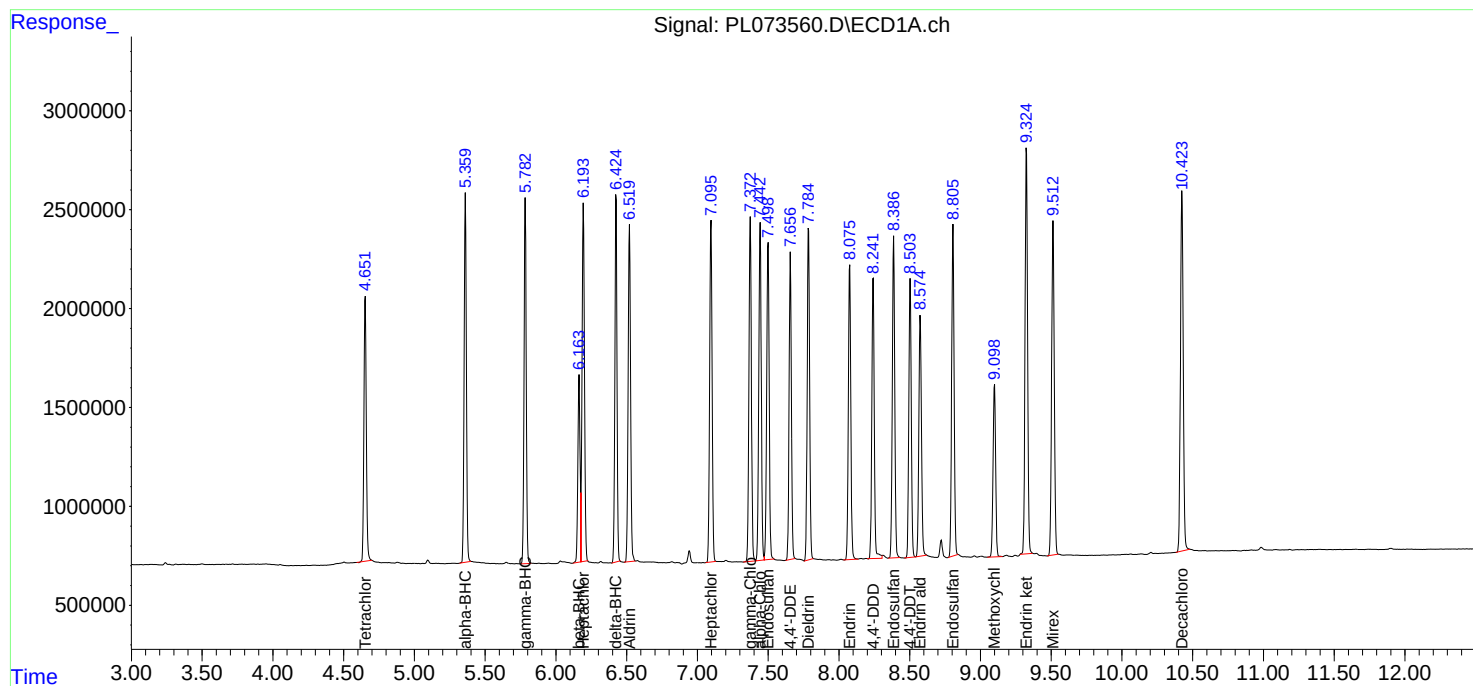
## APPROVED

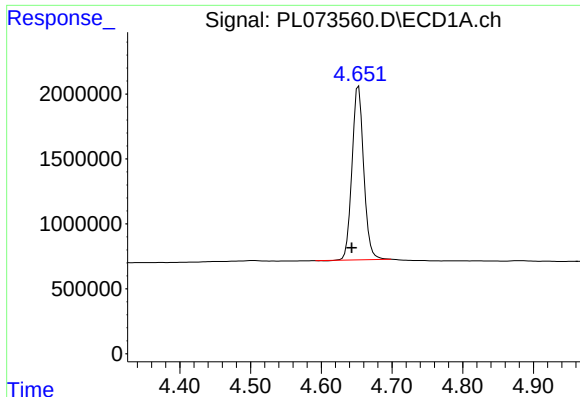
Reviewed By :Abdul Mirza 03/23/2022

Supervised By :mohammad ahmed 03/23/2022

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 23 01:40:06 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





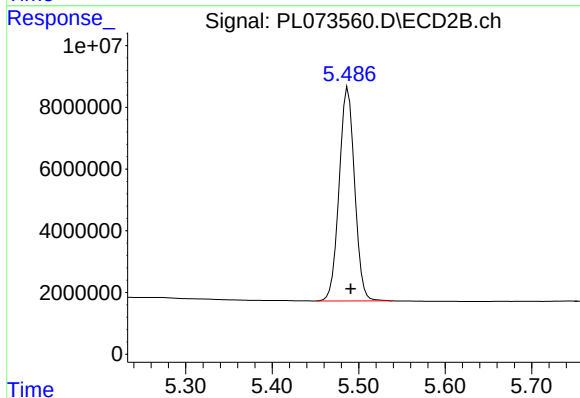
#1 Tetrachloro-m-xylene

R.T.: 4.653 min  
Delta R.T.: 0.010 min  
Response: 15444261  
Conc: 48.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

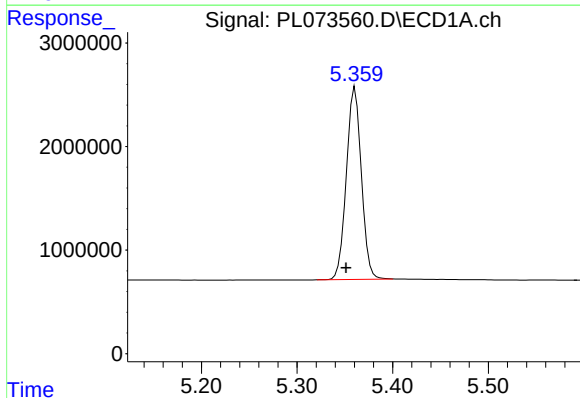
Manual Integrations  
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Reviewed By :Abdul Mirza 03/23/2022  
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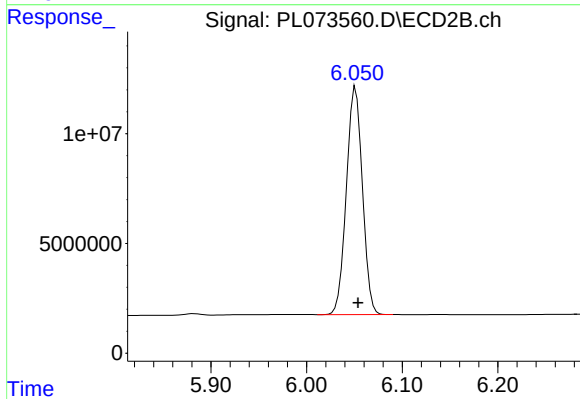
#1 Tetrachloro-m-xylene

R.T.: 5.488 min  
Delta R.T.: -0.003 min  
Response: 85426667  
Conc: 52.05 ng/ml



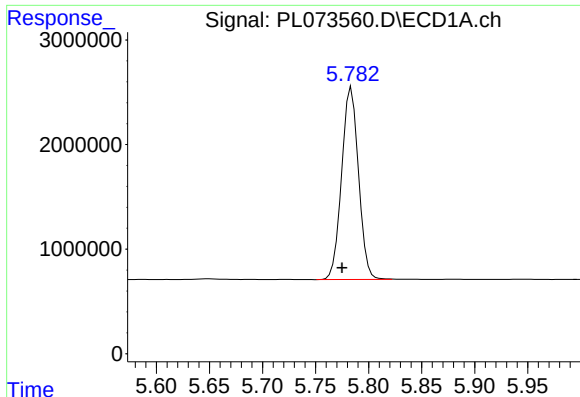
#2 alpha-BHC

R.T.: 5.361 min  
Delta R.T.: 0.009 min  
Response: 20325659  
Conc: 49.31 ng/ml



#2 alpha-BHC

R.T.: 6.051 min  
Delta R.T.: -0.002 min  
Response: 121648121  
Conc: 54.07 ng/ml



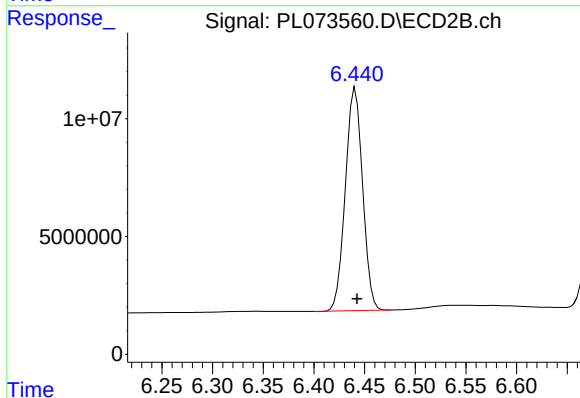
#3 gamma-BHC (Lindane)

R.T.: 5.784 min  
Delta R.T.: 0.009 min  
Response: 20278281  
Conc: 48.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

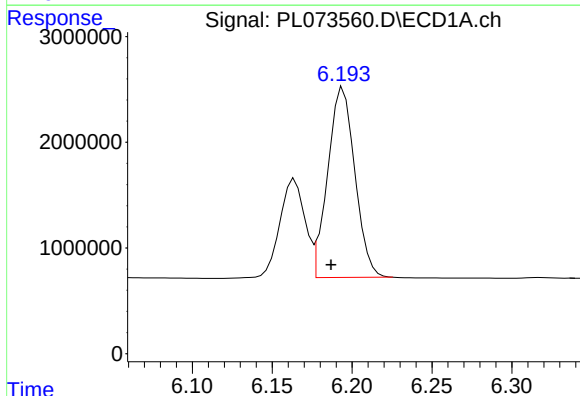
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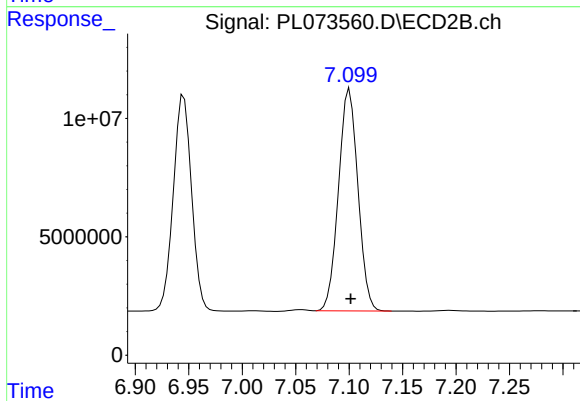
#3 gamma-BHC (Lindane)

R.T.: 6.441 min  
Delta R.T.: -0.002 min  
Response: 111863532  
Conc: 52.39 ng/ml



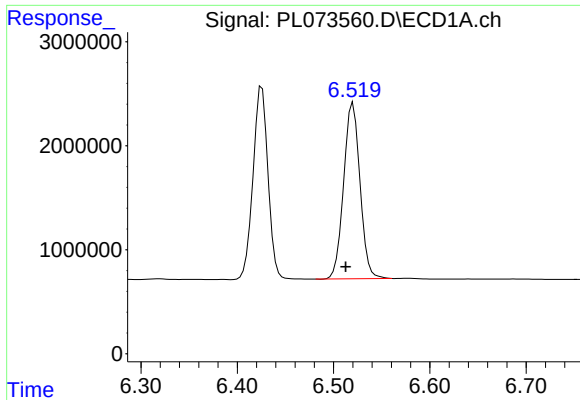
#4 Heptachlor

R.T.: 6.195 min  
Delta R.T.: 0.008 min  
Response: 21274264  
Conc: 47.15 ng/ml



#4 Heptachlor

R.T.: 7.100 min  
Delta R.T.: -0.001 min  
Response: 118832649  
Conc: 50.72 ng/ml



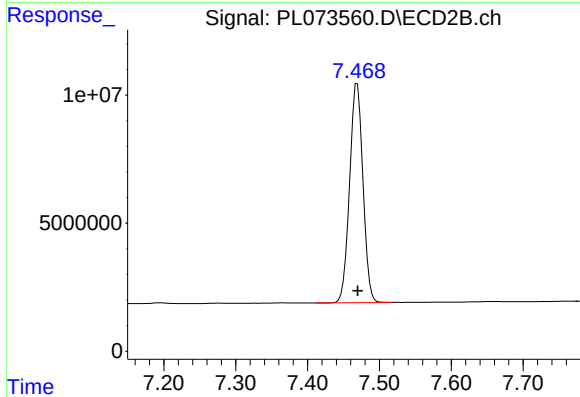
#5 Aldrin

R.T.: 6.520 min  
Delta R.T.: 0.008 min  
Response: 19908192  
Conc: 48.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

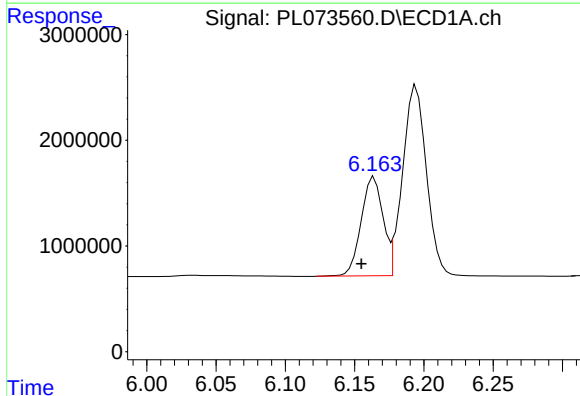
Manual Integrations  
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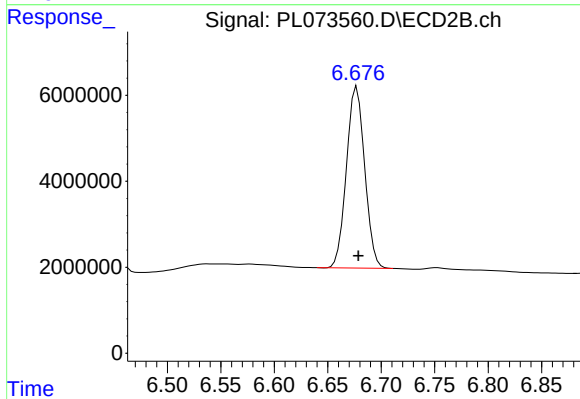
#5 Aldrin

R.T.: 7.469 min  
Delta R.T.: 0.000 min  
Response: 110265058  
Conc: 52.63 ng/ml



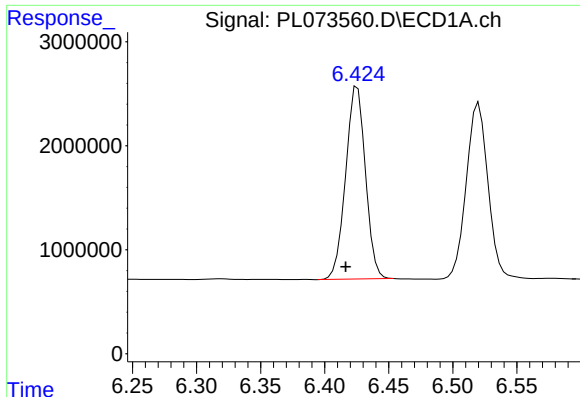
#6 beta-BHC

R.T.: 6.164 min  
Delta R.T.: 0.009 min  
Response: 10275648  
Conc: 49.91 ng/ml



#6 beta-BHC

R.T.: 6.677 min  
Delta R.T.: -0.001 min  
Response: 50168012  
Conc: 48.13 ng/ml



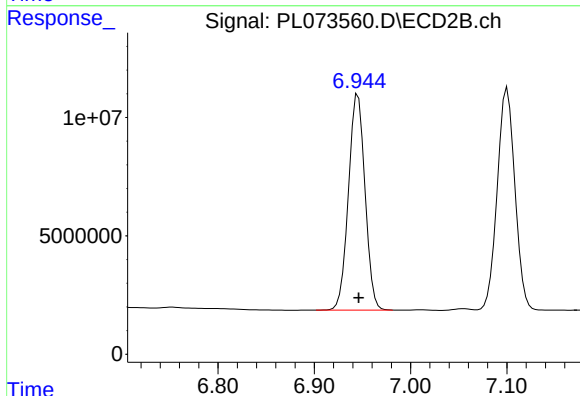
#7 delta-BHC

R.T.: 6.426 min  
Delta R.T.: 0.009 min  
Response: 19879644  
Conc: 49.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

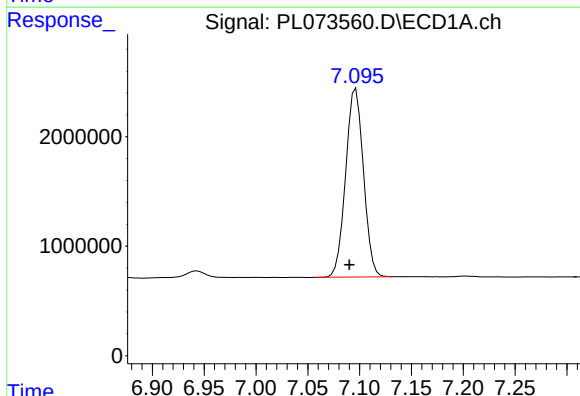
Manual Integrations  
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Supervised By :mohammad ahmed 03/23/2022



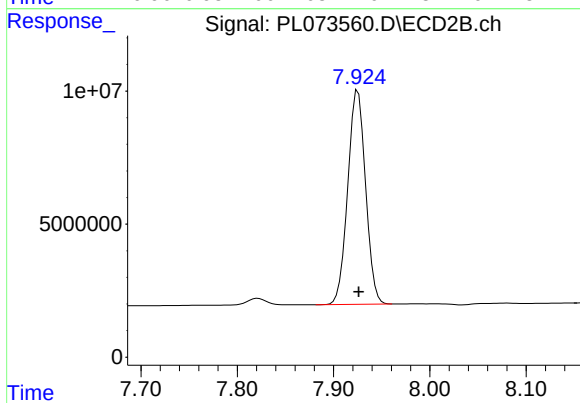
#7 delta-BHC

R.T.: 6.945 min  
Delta R.T.: 0.000 min  
Response: 108521178  
Conc: 50.39 ng/ml



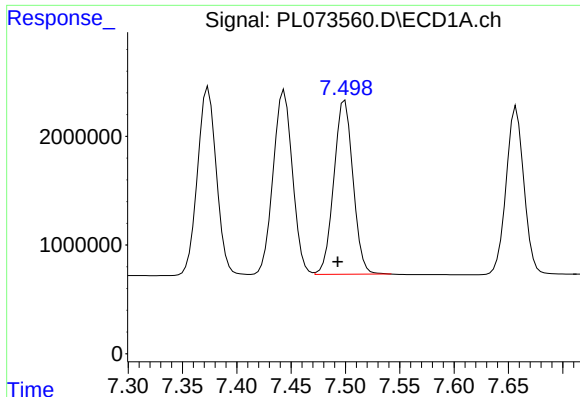
#8 Heptachlor epoxide

R.T.: 7.096 min  
Delta R.T.: 0.006 min  
Response: 20578086  
Conc: 47.75 ng/ml



#8 Heptachlor epoxide

R.T.: 7.925 min  
Delta R.T.: 0.000 min  
Response: 103182344  
Conc: 51.66 ng/ml



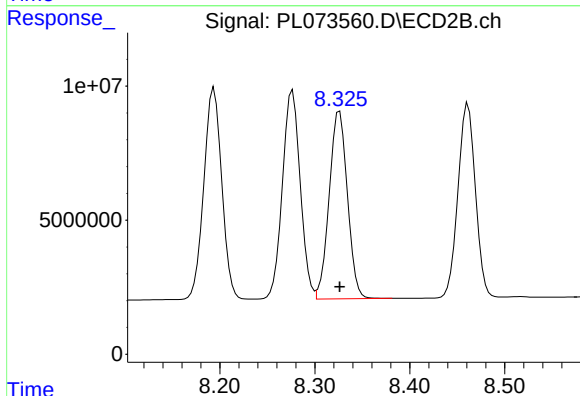
#9 Endosulfan I

R.T.: 7.500 min  
Delta R.T.: 0.006 min  
Response: 19680441  
Conc: 47.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

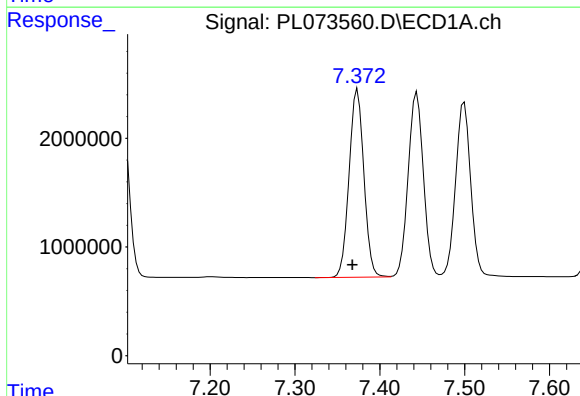
Manual Integrations  
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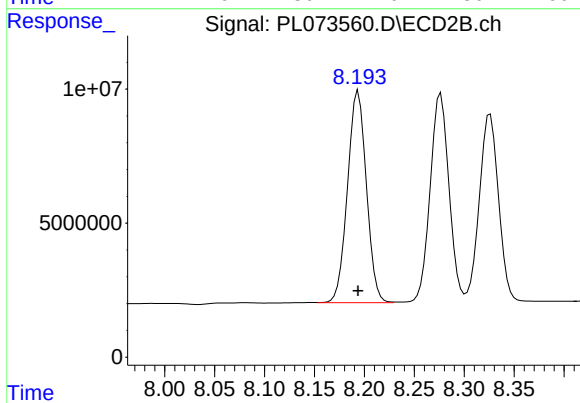
#9 Endosulfan I

R.T.: 8.326 min  
Delta R.T.: 0.000 min  
Response: 93389621  
Conc: 51.16 ng/ml



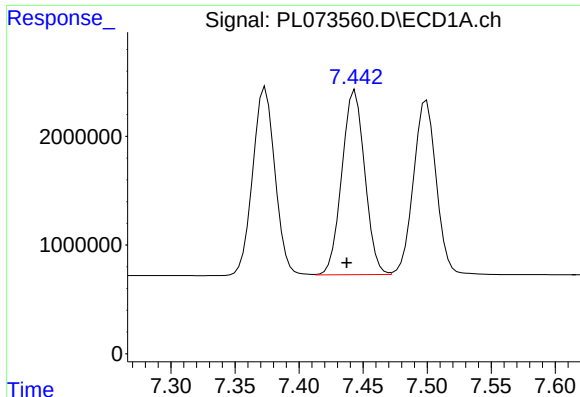
#10 gamma-Chlordane

R.T.: 7.374 min  
Delta R.T.: 0.006 min  
Response: 20942064  
Conc: 47.89 ng/ml



#10 gamma-Chlordane

R.T.: 8.193 min  
Delta R.T.: -0.001 min  
Response: 103934889  
Conc: 50.89 ng/ml m



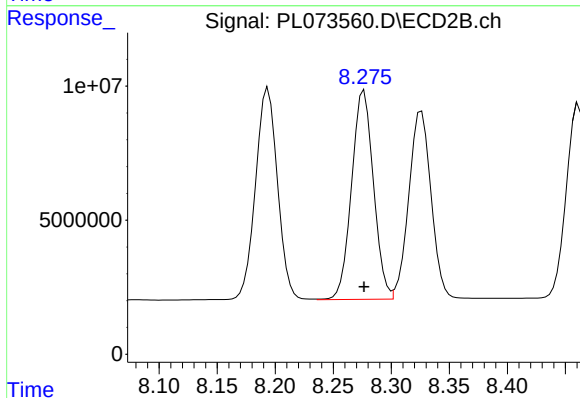
#11 alpha-Chlordane

R.T.: 7.444 min  
Delta R.T.: 0.006 min  
Response: 21087937  
Conc: 47.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

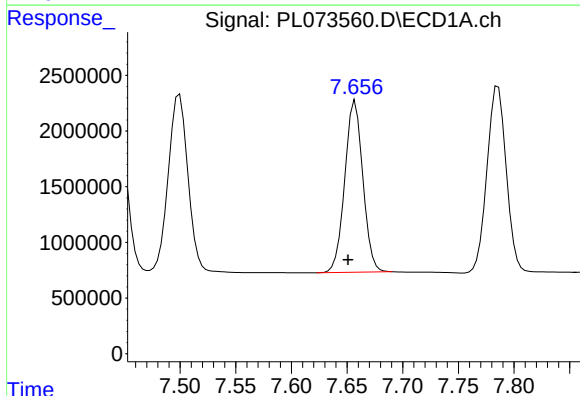
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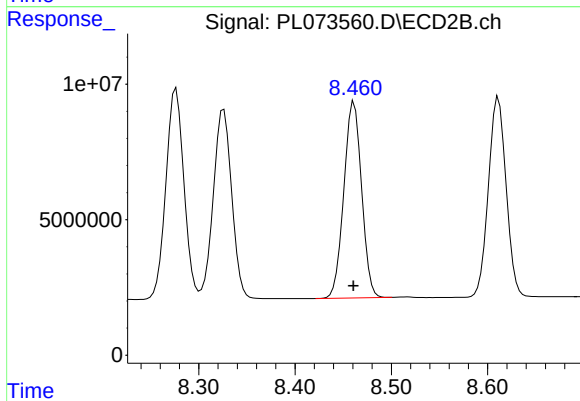
#11 alpha-Chlordane

R.T.: 8.277 min  
Delta R.T.: 0.000 min  
Response: 102104322  
Conc: 51.05 ng/ml



#12 4,4'-DDE

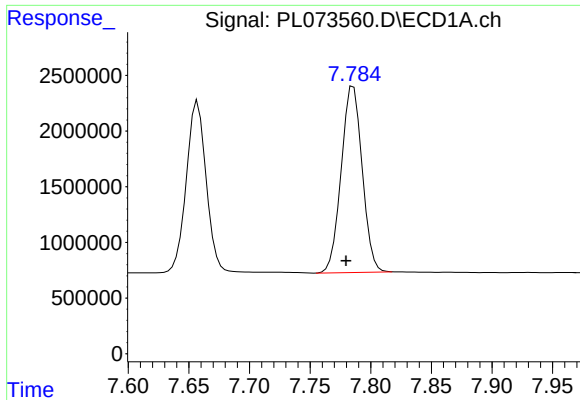
R.T.: 7.657 min  
Delta R.T.: 0.006 min  
Response: 17444363  
Conc: 48.61 ng/ml



#12 4,4'-DDE

R.T.: 8.461 min  
Delta R.T.: 0.000 min  
Response: 92397588  
Conc: 51.55 ng/ml





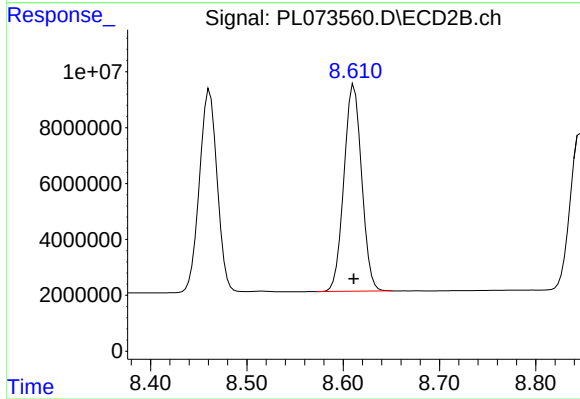
#13 Dieldrin

R.T.: 7.784 min  
Delta R.T.: 0.005 min  
Response: 20179814  
Conc: 48.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

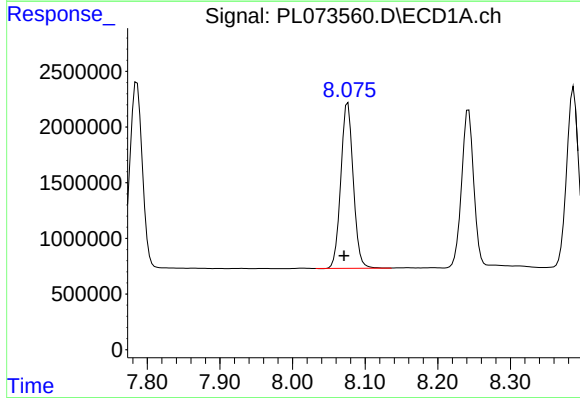
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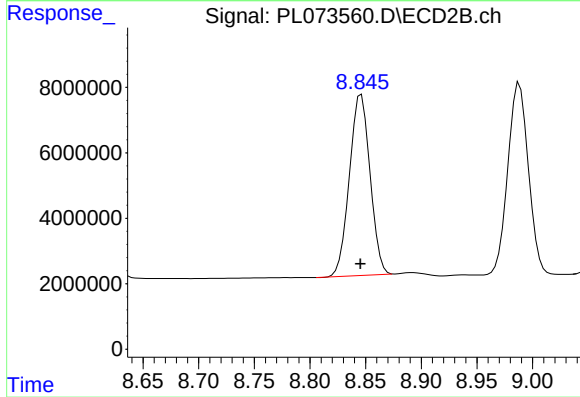
#13 Dieldrin

R.T.: 8.611 min  
Delta R.T.: 0.000 min  
Response: 94249497  
Conc: 51.09 ng/ml



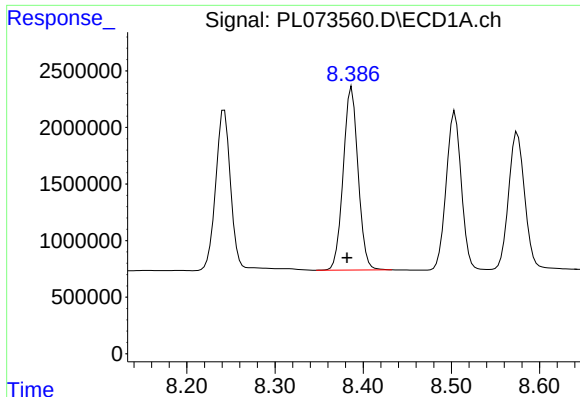
#14 Endrin

R.T.: 8.076 min  
Delta R.T.: 0.005 min  
Response: 17694537  
Conc: 45.60 ng/ml



#14 Endrin

R.T.: 8.846 min  
Delta R.T.: 0.000 min  
Response: 71522948  
Conc: 46.46 ng/ml



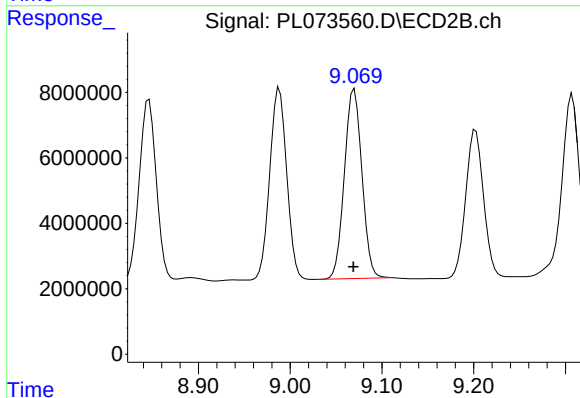
#15 Endosulfan II

R.T.: 8.387 min  
Delta R.T.: 0.005 min  
Response: 18938305  
Conc: 48.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

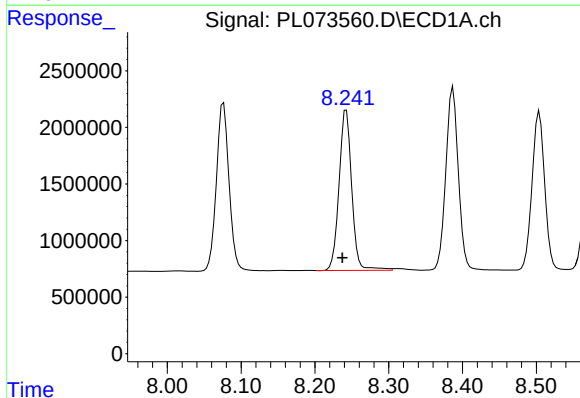
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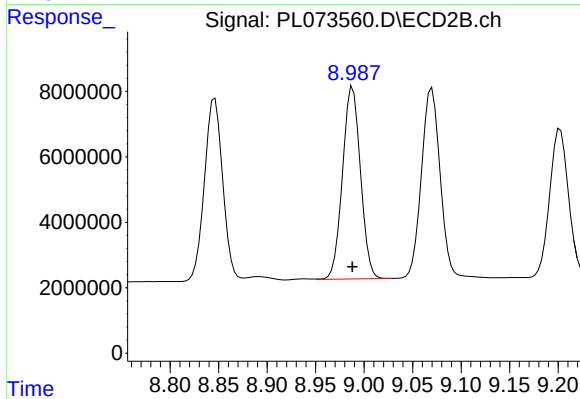
#15 Endosulfan II

R.T.: 9.070 min  
Delta R.T.: 0.000 min  
Response: 76803520  
Conc: 50.01 ng/ml



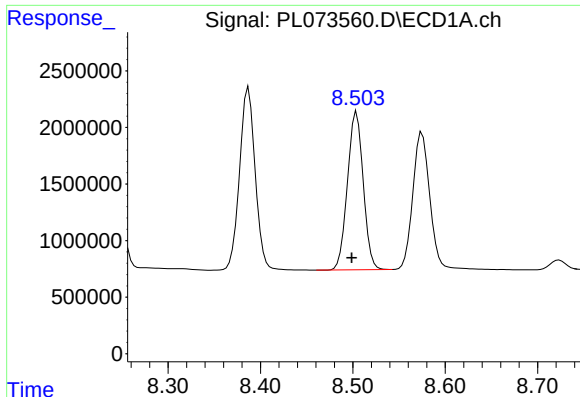
#16 4,4'-DDD

R.T.: 8.242 min  
Delta R.T.: 0.005 min  
Response: 16952110  
Conc: 52.20 ng/ml



#16 4,4'-DDD

R.T.: 8.988 min  
Delta R.T.: 0.000 min  
Response: 75735006  
Conc: 51.88 ng/ml



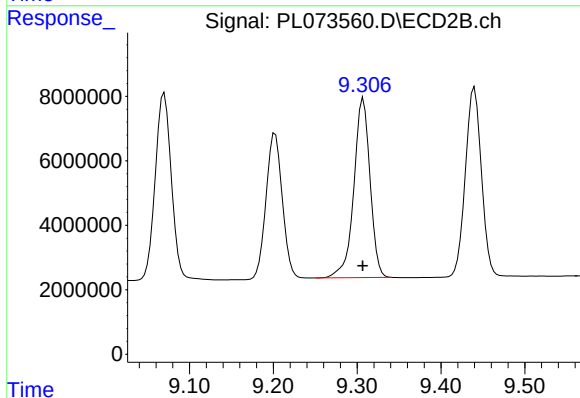
#17 4,4'-DDT

R.T.: 8.504 min  
Delta R.T.: 0.005 min  
Response: 16578500  
Conc: 43.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

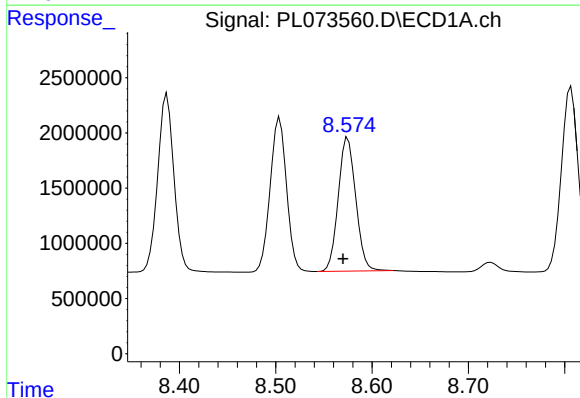
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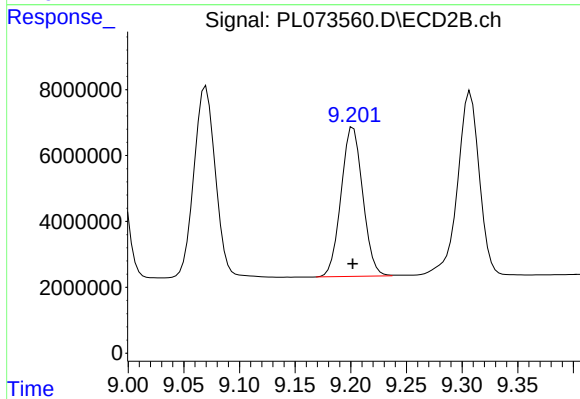
#17 4,4'-DDT

R.T.: 9.307 min  
Delta R.T.: 0.000 min  
Response: 74900319  
Conc: 45.82 ng/ml



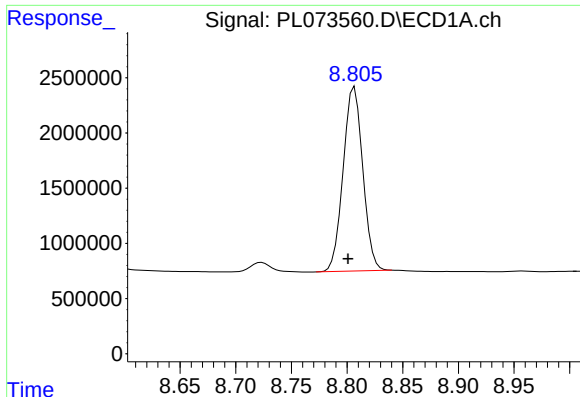
#18 Endrin aldehyde

R.T.: 8.575 min  
Delta R.T.: 0.005 min  
Response: 15258145  
Conc: 48.25 ng/ml



#18 Endrin aldehyde

R.T.: 9.201 min  
Delta R.T.: 0.000 min  
Response: 61395502  
Conc: 50.07 ng/ml m



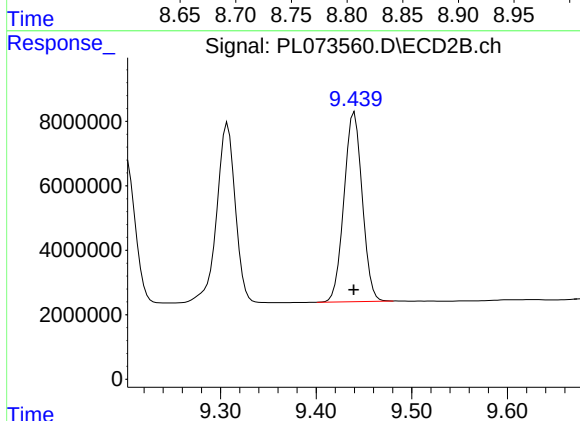
#19 Endosulfan Sulfate

R.T.: 8.807 min  
Delta R.T.: 0.006 min  
Response: 20483315  
Conc: 48.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

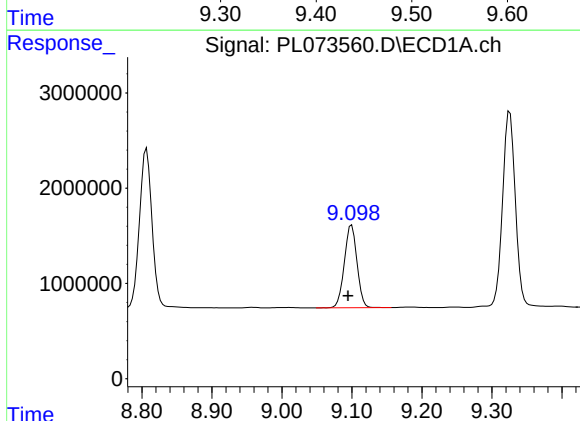
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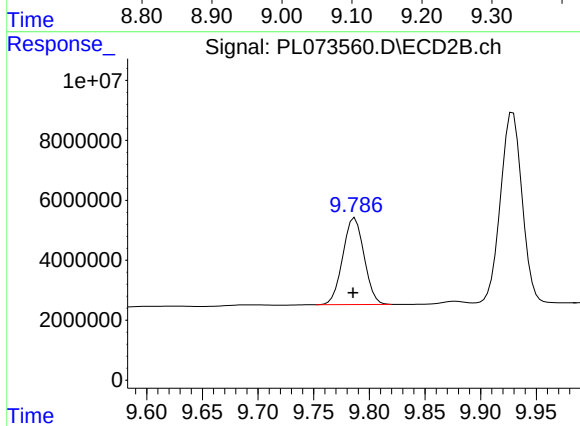
#19 Endosulfan Sulfate

R.T.: 9.440 min  
Delta R.T.: 0.000 min  
Response: 78192492  
Conc: 49.61 ng/ml



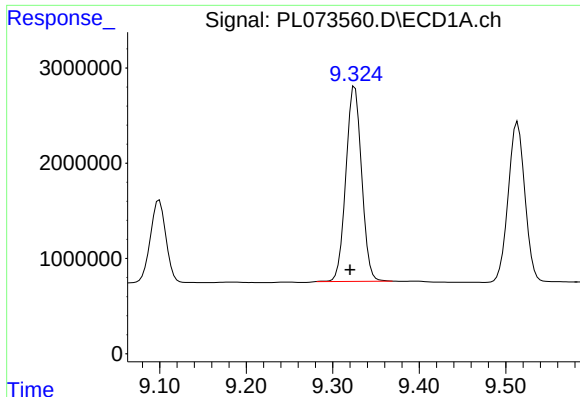
#20 Methoxychlor

R.T.: 9.100 min  
Delta R.T.: 0.005 min  
Response: 10920564  
Conc: 42.57 ng/ml



#20 Methoxychlor

R.T.: 9.787 min  
Delta R.T.: 0.002 min  
Response: 38581877  
Conc: 42.82 ng/ml



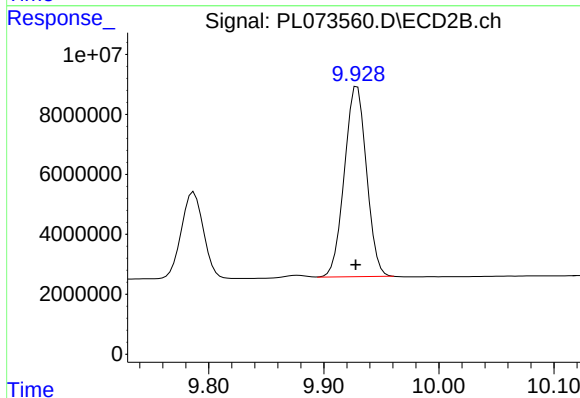
#21 Endrin ketone

R.T.: 9.325 min  
Delta R.T.: 0.005 min  
Response: 25739877  
Conc: 52.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

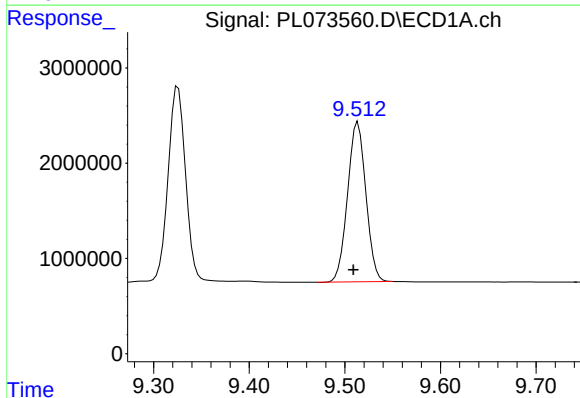
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/23/2022  
Supervised By :mohammad ahmed 03/23/2022



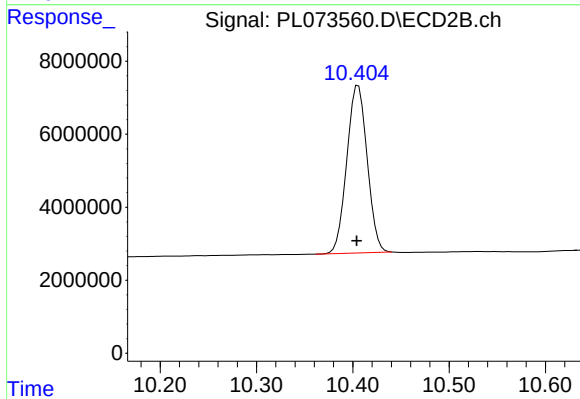
#21 Endrin ketone

R.T.: 9.929 min  
Delta R.T.: 0.001 min  
Response: 85243599  
Conc: 51.64 ng/ml



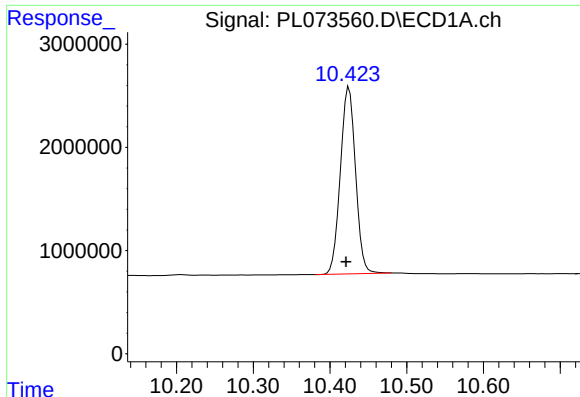
#22 Mirex

R.T.: 9.514 min  
Delta R.T.: 0.005 min  
Response: 22406388  
Conc: 47.52 ng/ml



#22 Mirex

R.T.: 10.406 min  
Delta R.T.: 0.002 min  
Response: 67391092  
Conc: 49.61 ng/ml



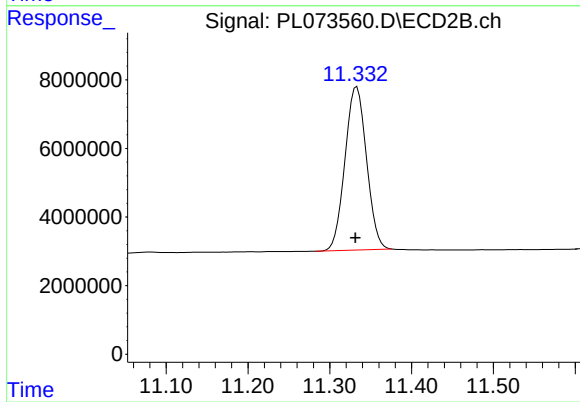
#28 Decachlorobiphenyl

R.T.: 10.425 min  
Delta R.T.: 0.004 min  
Response: 24905436  
Conc: 48.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/23/2022  
Supervised By :mohammad ahmed 03/23/2022



#28 Decachlorobiphenyl

R.T.: 11.333 min  
Delta R.T.: 0.002 min  
Response: 86879298  
Conc: 48.59 ng/ml