

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032122\  
 Data File : PL073535.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Mar 2022 18:42  
 Operator : AR\AJ  
 Sample : N1958-16MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 C-1-0-1MSD

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
 Supervised By :mohammad ahmed 03/23/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 22 01:35:20 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... | 4.665f  | 5.492  | 5859488  | 33454524 | 18.295  | 20.384   |
| 28)                         | SA Decachlor... | 10.440f | 11.332 | 10401588 | 36291770 | 20.456  | 20.295   |
| Target Compounds            |                 |         |        |          |          |         |          |
| 2)                          | A alpha-BHC     | 5.373f  | 6.055  | 21504492 | 133.2E6  | 52.170  | 59.226   |
| 3)                          | MA gamma-BHC... | 5.797f  | 6.442  | 21665873 | 124.9E6  | 51.939  | 58.521m  |
| 4)                          | MA Heptachlor   | 6.176   | 7.103  | 10249254 | 134.1E6  | 22.716m | 57.246 # |
| 5)                          | MB Aldrin       | 6.534f  | 7.471  | 20780903 | 122.2E6  | 50.296  | 58.326   |
| 6)                          | B beta-BHC      | 6.176f  | 6.680  | 10136640 | 56265275 | 49.232m | 53.978   |
| 7)                          | B delta-BHC     | 6.437f  | 6.947  | 21683751 | 124.7E6  | 53.987m | 57.918   |
| 8)                          | B Heptachlo...  | 7.109f  | 7.927  | 22172989 | 114.6E6  | 51.448m | 57.373   |
| 9)                          | A Endosulfan I  | 7.513f  | 8.327  | 20930482 | 103.7E6  | 51.023  | 56.829   |
| 10)                         | B gamma-Chl...  | 7.388f  | 8.195  | 22597588 | 115.7E6  | 51.675  | 56.666   |
| 11)                         | B alpha-Chl...  | 7.458f  | 8.278  | 22655603 | 113.2E6  | 51.265  | 56.583   |
| 12)                         | B 4,4'-DDE      | 7.670f  | 8.461  | 19047379 | 103.5E6  | 53.081m | 57.746   |
| 13)                         | MA Dieldrin     | 7.799f  | 8.612  | 21820912 | 104.6E6  | 52.376m | 56.677   |
| 14)                         | MA Endrin       | 8.091f  | 8.846  | 20509701 | 84583103 | 52.859  | 54.945   |
| 15)                         | B Endosulfa...  | 8.402f  | 9.070  | 20214855 | 83374534 | 51.717  | 54.286   |
| 16)                         | A 4,4'-DDD      | 8.257f  | 8.989  | 17521567 | 81510425 | 53.956  | 55.840   |
| 17)                         | MA 4,4'-DDT     | 8.519f  | 9.307  | 19033439 | 85991922 | 50.329  | 52.610   |
| 18)                         | B Endrin al...  | 8.591f  | 9.201  | 15622671 | 64082073 | 49.400  | 52.256m  |
| 19)                         | B Endosulfa...  | 8.820f  | 9.440  | 21943800 | 84474603 | 51.948m | 53.598   |
| 20)                         | A Methoxychlor  | 9.114f  | 9.787  | 12362322 | 44317842 | 48.190  | 49.183   |
| 21)                         | B Endrin ke...  | 9.340f  | 9.928  | 26259099 | 88880482 | 53.675  | 53.848   |
| 22)                         | Mirex           | 9.527f  | 10.405 | 26606307 | 80441652 | 56.422m | 59.215   |
| -----                       |                 |         |        |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032122\  
Data File : PL073535.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Mar 2022 18:42  
Operator : AR\AJ  
Sample : N1958-16MSD  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

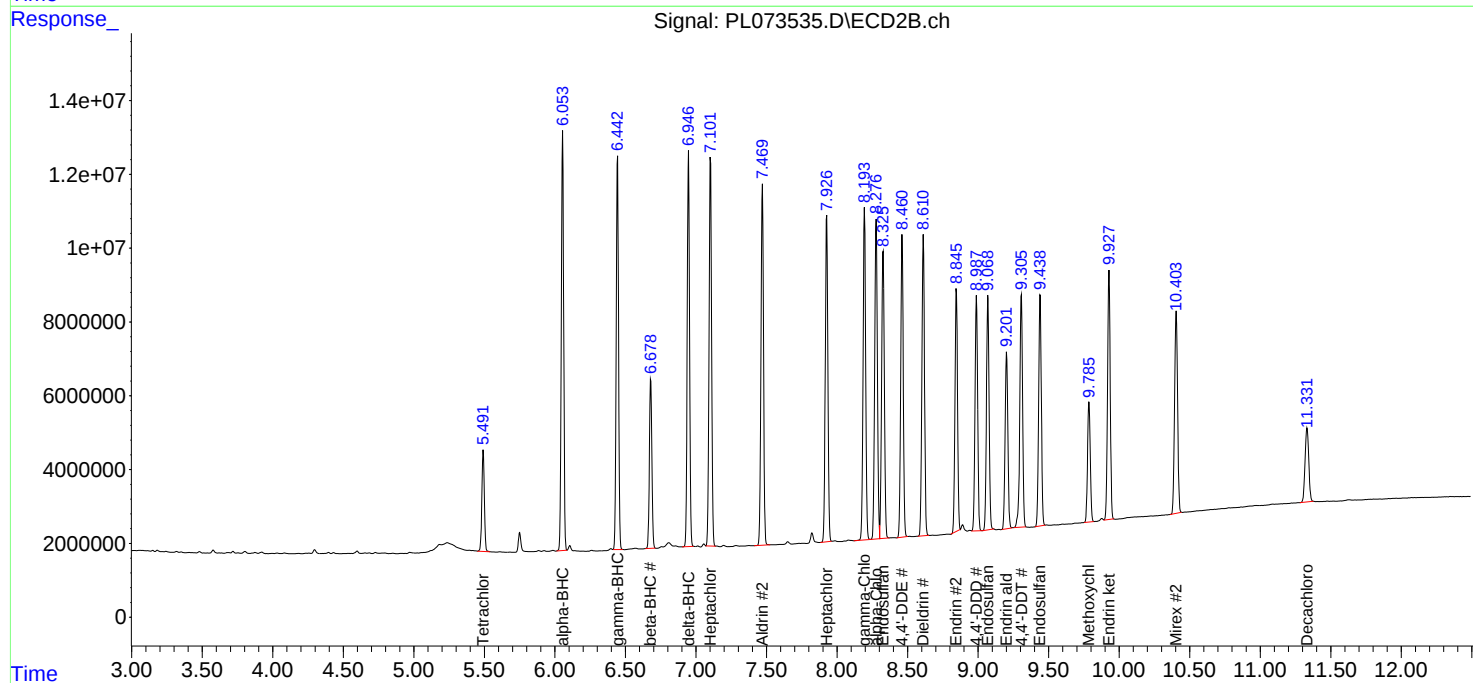
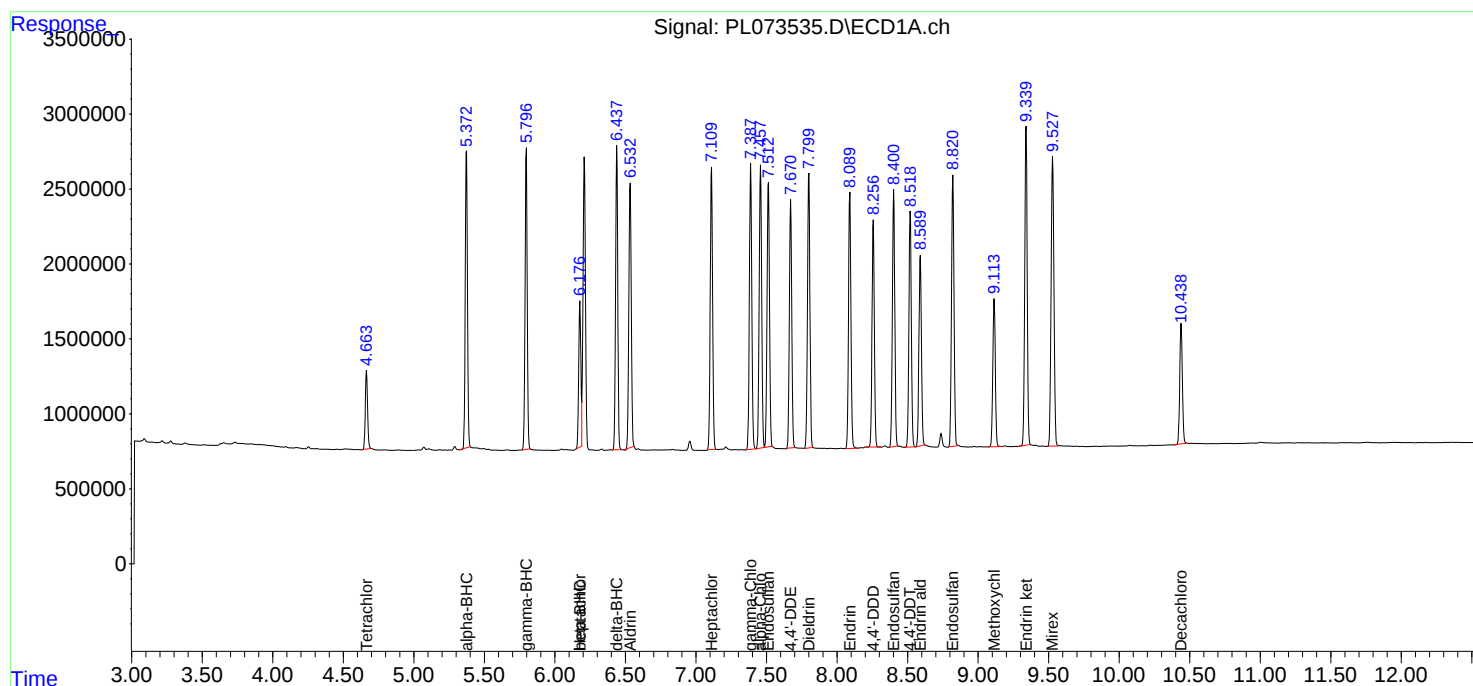
Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

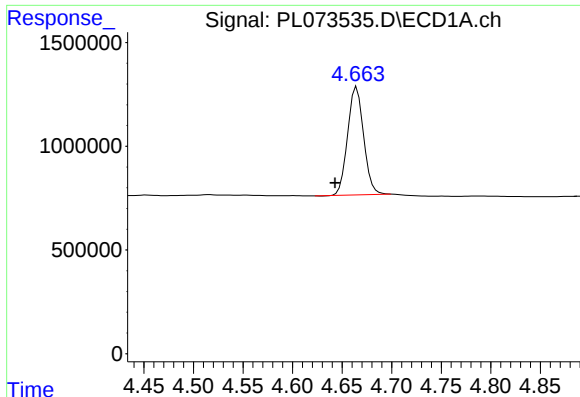
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 22 01:35:20 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





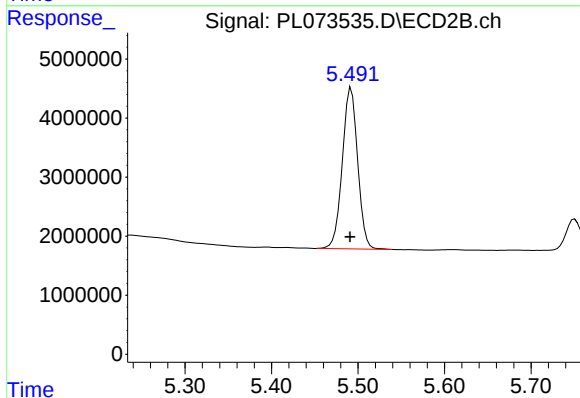
#1 Tetrachloro-m-xylene

R.T.: 4.665 min  
Delta R.T.: 0.022 min  
Response: 5859488  
Conc: 18.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

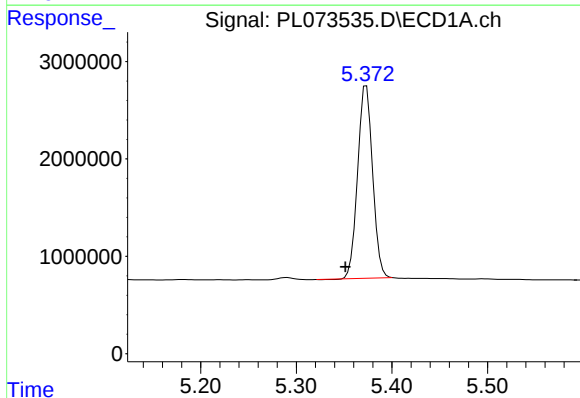
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



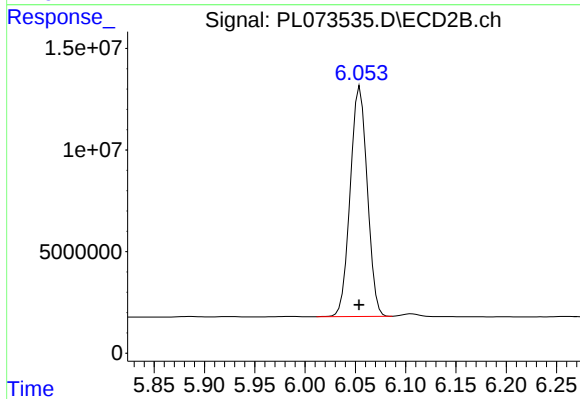
#1 Tetrachloro-m-xylene

R.T.: 5.492 min  
Delta R.T.: 0.001 min  
Response: 33454524  
Conc: 20.38 ng/ml



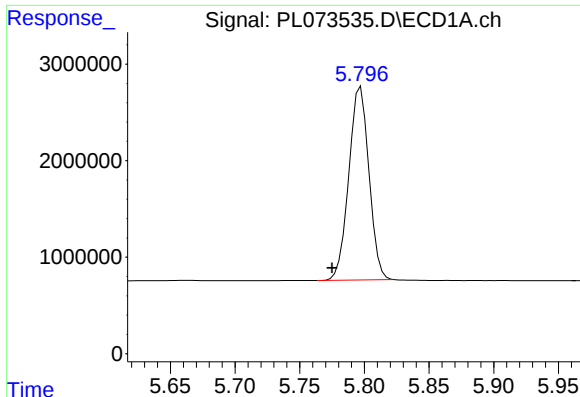
#2 alpha-BHC

R.T.: 5.373 min  
Delta R.T.: 0.022 min  
Response: 21504492  
Conc: 52.17 ng/ml



#2 alpha-BHC

R.T.: 6.055 min  
Delta R.T.: 0.000 min  
Response: 133237174  
Conc: 59.23 ng/ml



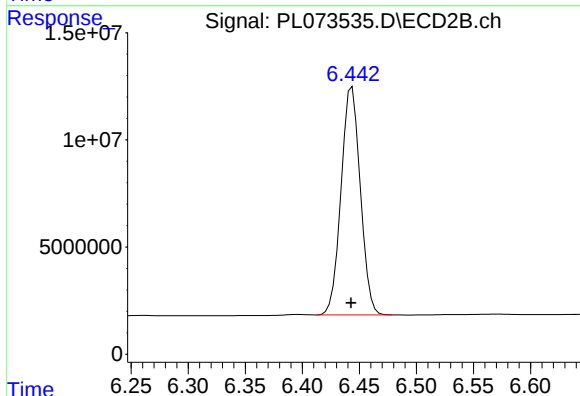
#3 gamma-BHC (Lindane)

R.T.: 5.797 min  
Delta R.T.: 0.022 min  
Response: 21665873  
Conc: 51.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

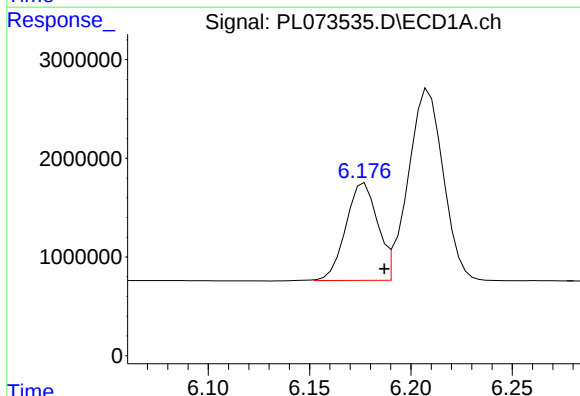
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



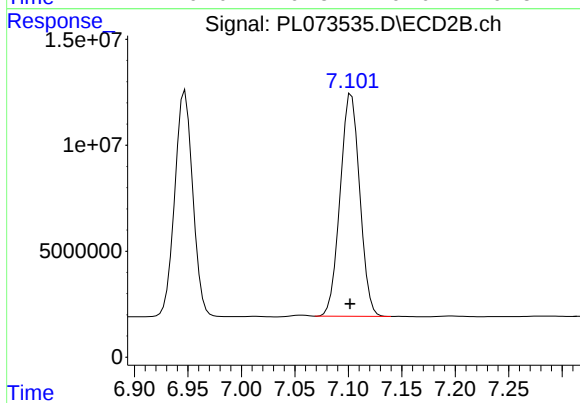
#3 gamma-BHC (Lindane)

R.T.: 6.442 min  
Delta R.T.: 0.000 min  
Response: 124946711  
Conc: 58.52 ng/ml m



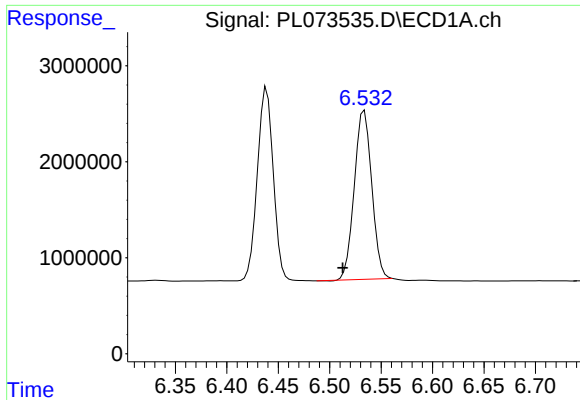
#4 Heptachlor

R.T.: 6.176 min  
Delta R.T.: -0.011 min  
Response: 10249254  
Conc: 22.72 ng/ml m



#4 Heptachlor

R.T.: 7.103 min  
Delta R.T.: 0.001 min  
Response: 134133640  
Conc: 57.25 ng/ml



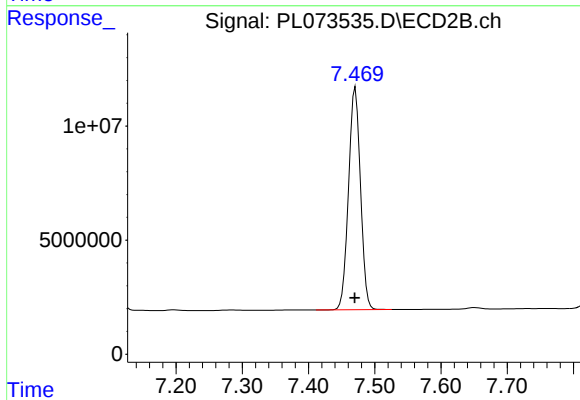
#5 Aldrin

R.T.: 6.534 min  
Delta R.T.: 0.021 min  
Response: 20780903  
Conc: 50.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

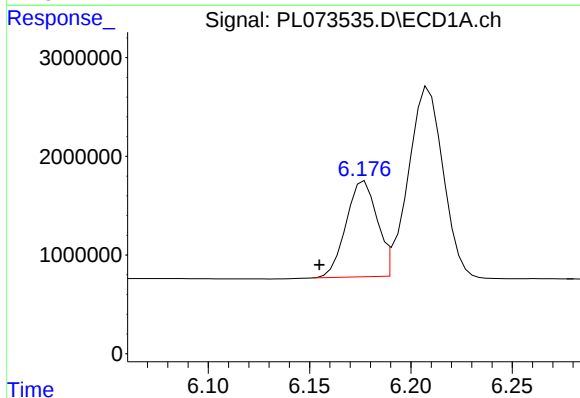
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



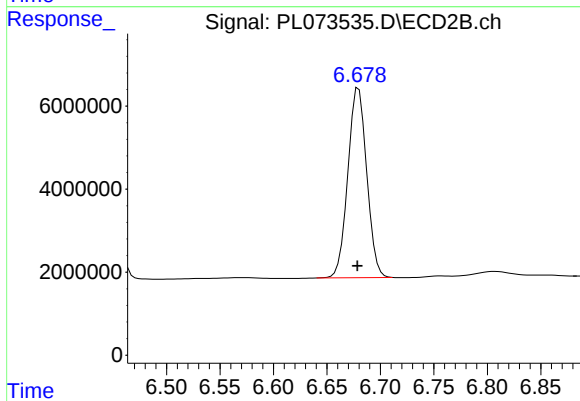
#5 Aldrin

R.T.: 7.471 min  
Delta R.T.: 0.001 min  
Response: 122192725  
Conc: 58.33 ng/ml



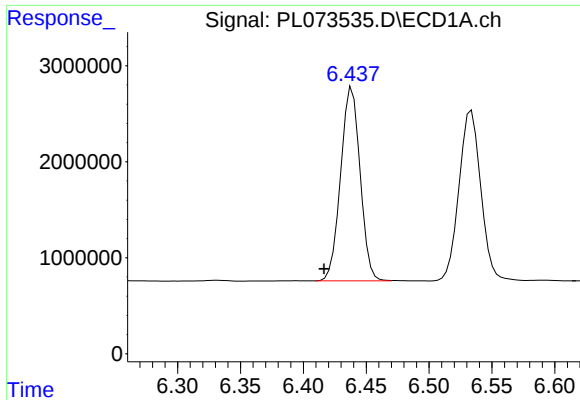
#6 beta-BHC

R.T.: 6.176 min  
Delta R.T.: 0.021 min  
Response: 10136640  
Conc: 49.23 ng/ml m



#6 beta-BHC

R.T.: 6.680 min  
Delta R.T.: 0.001 min  
Response: 56265275  
Conc: 53.98 ng/ml



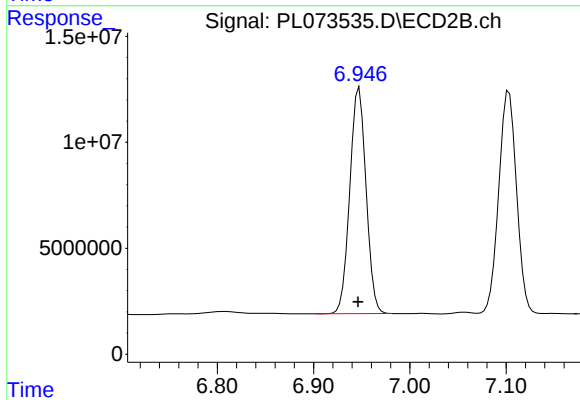
#7 delta-BHC

R.T.: 6.437 min  
Delta R.T.: 0.021 min  
Response: 21683751  
Conc: 53.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

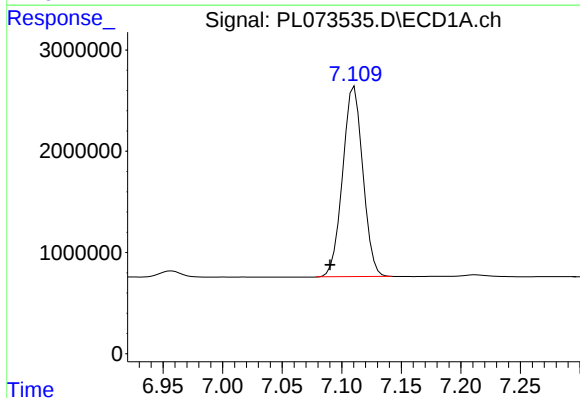
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



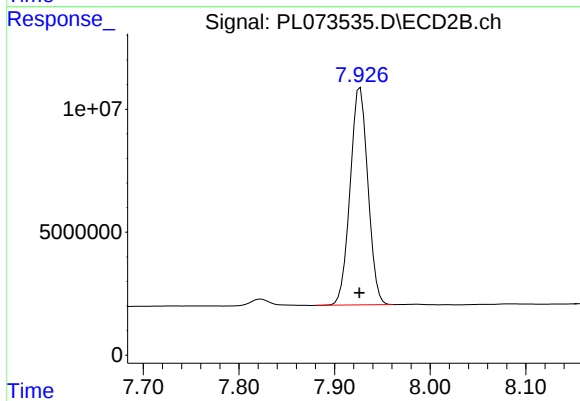
#7 delta-BHC

R.T.: 6.947 min  
Delta R.T.: 0.001 min  
Response: 124730574  
Conc: 57.92 ng/ml



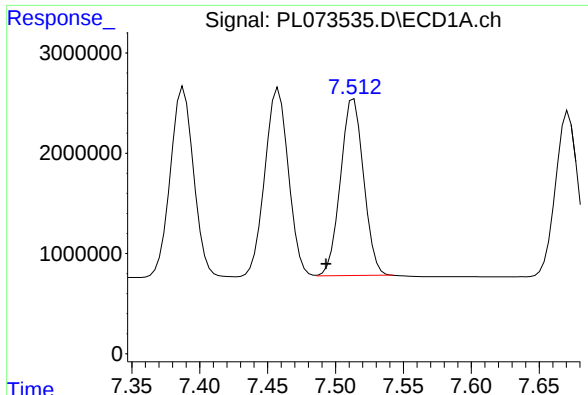
#8 Heptachlor epoxide

R.T.: 7.109 min  
Delta R.T.: 0.019 min  
Response: 22172989  
Conc: 51.45 ng/ml m



#8 Heptachlor epoxide

R.T.: 7.927 min  
Delta R.T.: 0.000 min  
Response: 114590959  
Conc: 57.37 ng/ml



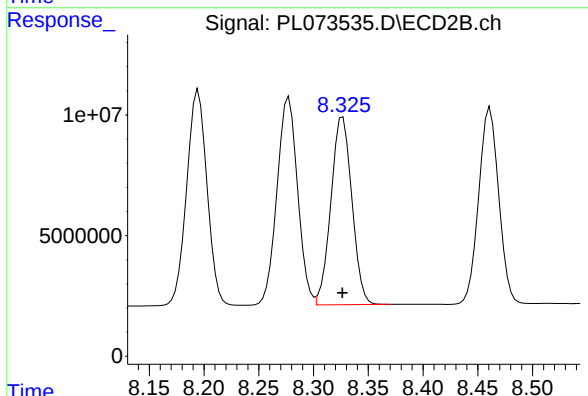
#9 Endosulfan I

R.T.: 7.513 min  
Delta R.T.: 0.020 min  
Response: 20930482  
Conc: 51.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

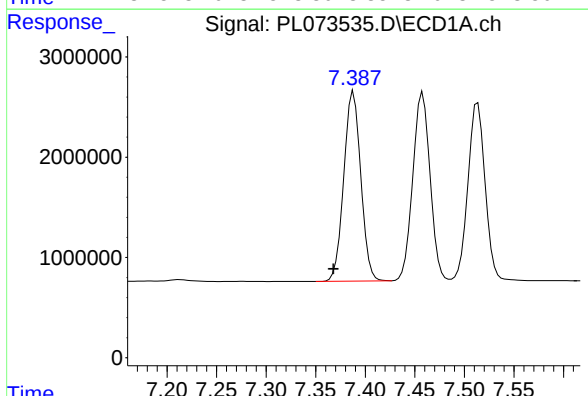
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



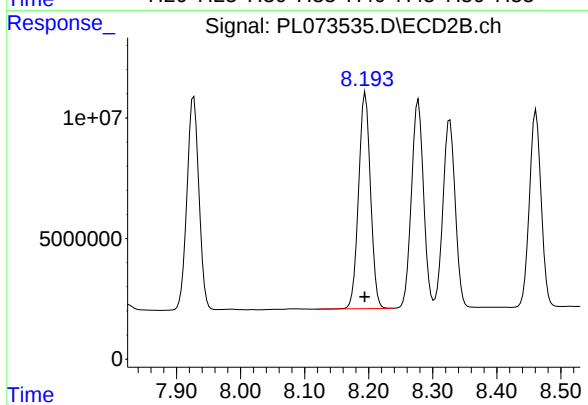
#9 Endosulfan I

R.T.: 8.327 min  
Delta R.T.: 0.000 min  
Response: 103736042  
Conc: 56.83 ng/ml



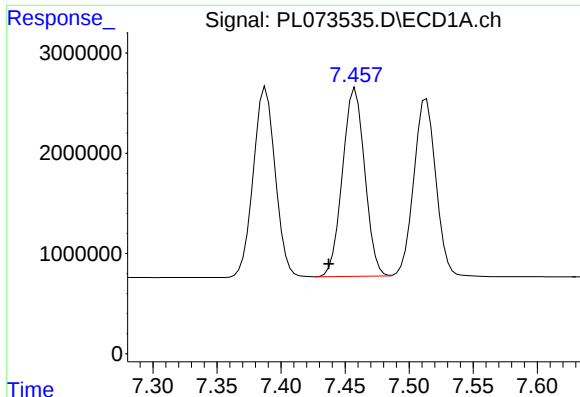
#10 gamma-Chlordane

R.T.: 7.388 min  
Delta R.T.: 0.021 min  
Response: 22597588  
Conc: 51.67 ng/ml



#10 gamma-Chlordane

R.T.: 8.195 min  
Delta R.T.: 0.001 min  
Response: 115734856  
Conc: 56.67 ng/ml



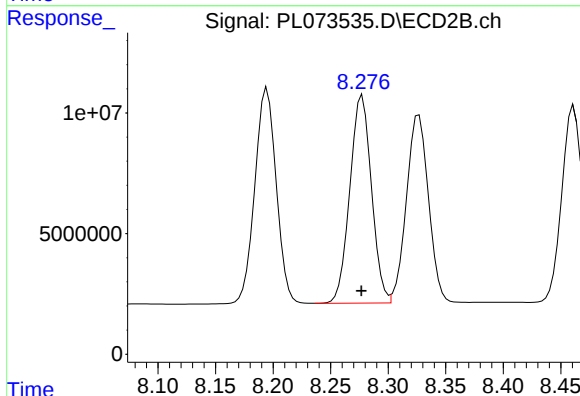
#11 alpha-Chlordane

R.T.: 7.458 min  
Delta R.T.: 0.021 min  
Response: 22655603  
Conc: 51.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

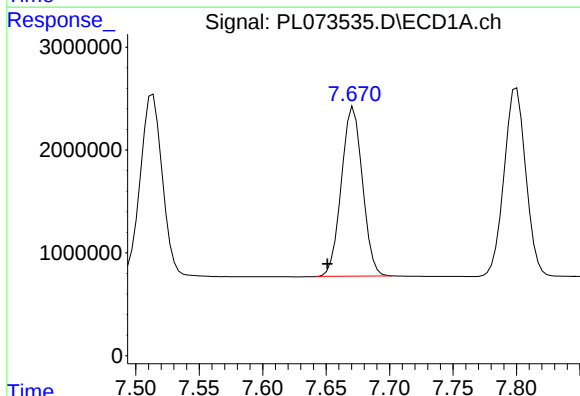
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



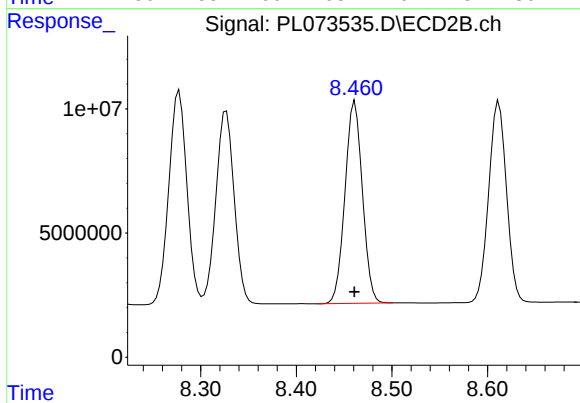
#11 alpha-Chlordane

R.T.: 8.278 min  
Delta R.T.: 0.000 min  
Response: 113166207  
Conc: 56.58 ng/ml



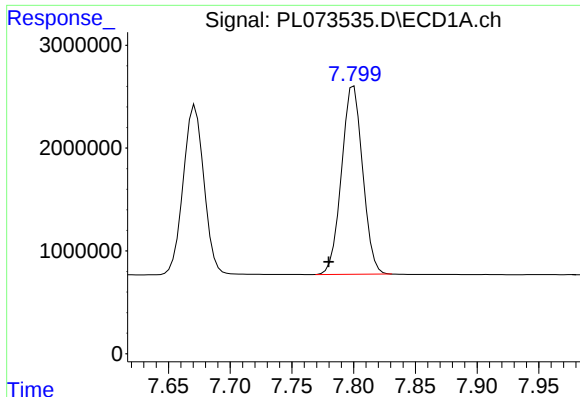
#12 4,4'-DDE

R.T.: 7.670 min  
Delta R.T.: 0.019 min  
Response: 19047379  
Conc: 53.08 ng/ml m



#12 4,4'-DDE

R.T.: 8.461 min  
Delta R.T.: 0.000 min  
Response: 103502879  
Conc: 57.75 ng/ml



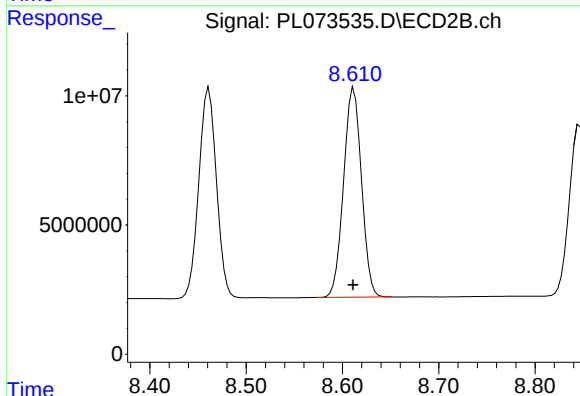
#13 Dieldrin

R.T.: 7.799 min  
Delta R.T.: 0.019 min  
Response: 21820912  
Conc: 52.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

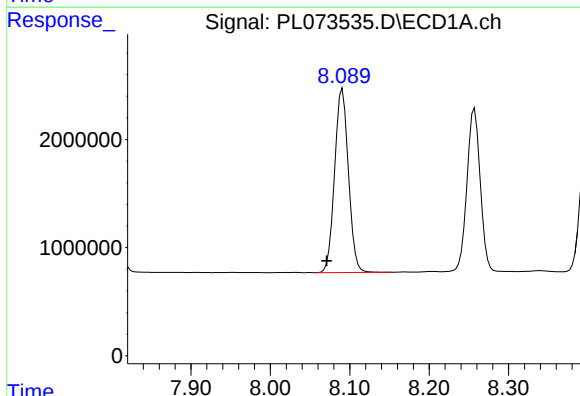
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



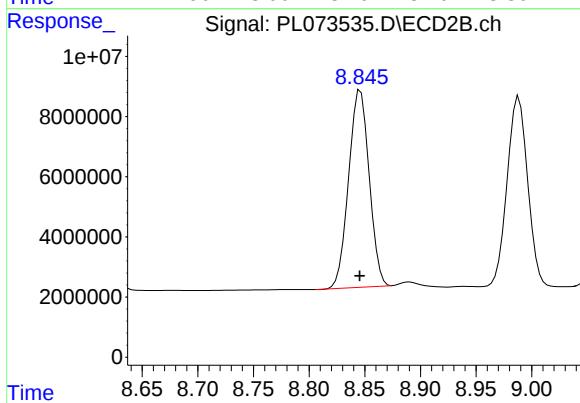
#13 Dieldrin

R.T.: 8.612 min  
Delta R.T.: 0.000 min  
Response: 104553740  
Conc: 56.68 ng/ml



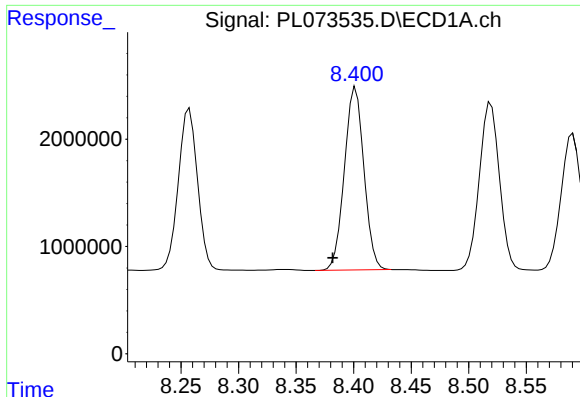
#14 Endrin

R.T.: 8.091 min  
Delta R.T.: 0.020 min  
Response: 20509701  
Conc: 52.86 ng/ml



#14 Endrin

R.T.: 8.846 min  
Delta R.T.: 0.000 min  
Response: 84583103  
Conc: 54.94 ng/ml



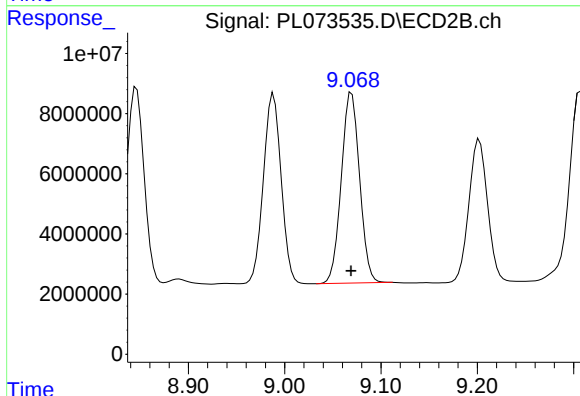
#15 Endosulfan II

R.T.: 8.402 min  
Delta R.T.: 0.020 min  
Response: 20214855  
Conc: 51.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

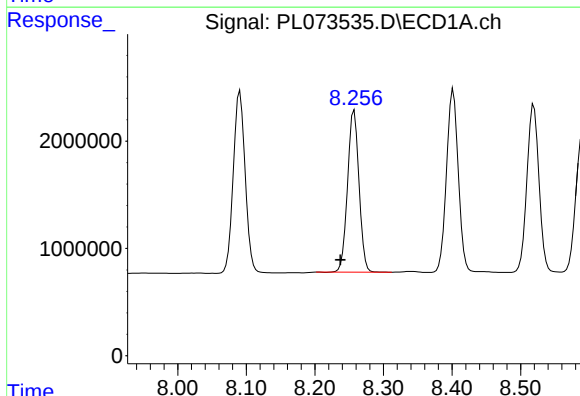
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



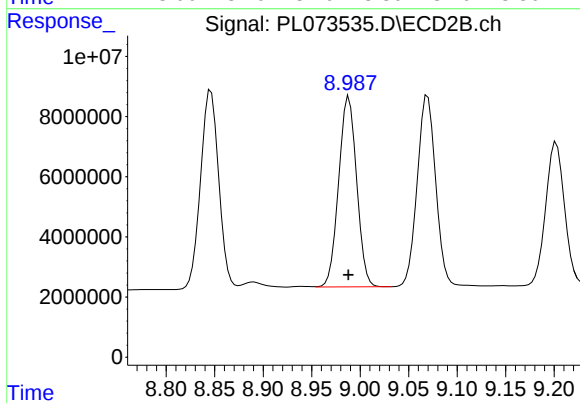
#15 Endosulfan II

R.T.: 9.070 min  
Delta R.T.: 0.000 min  
Response: 83374534  
Conc: 54.29 ng/ml



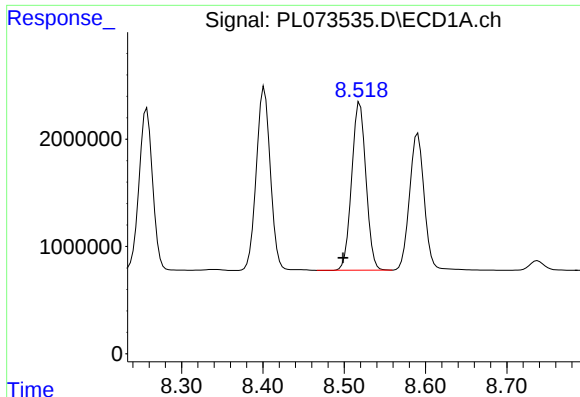
#16 4,4'-DDD

R.T.: 8.257 min  
Delta R.T.: 0.020 min  
Response: 17521567  
Conc: 53.96 ng/ml



#16 4,4'-DDD

R.T.: 8.989 min  
Delta R.T.: 0.000 min  
Response: 81510425  
Conc: 55.84 ng/ml



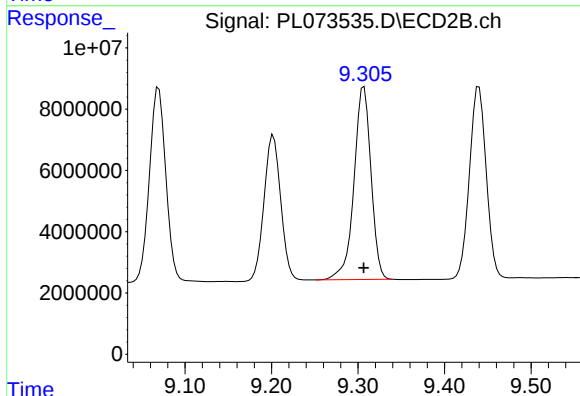
#17 4,4'-DDT

R.T.: 8.519 min  
Delta R.T.: 0.021 min  
Response: 19033439  
Conc: 50.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

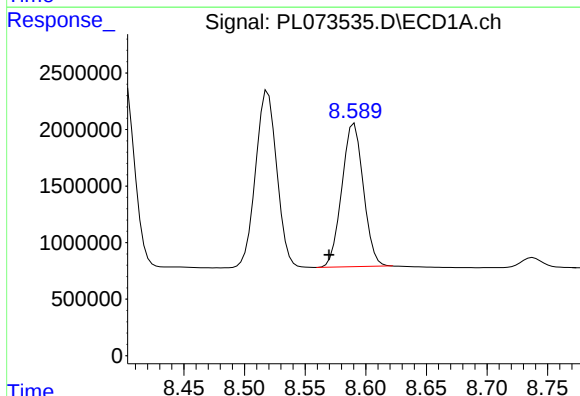
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



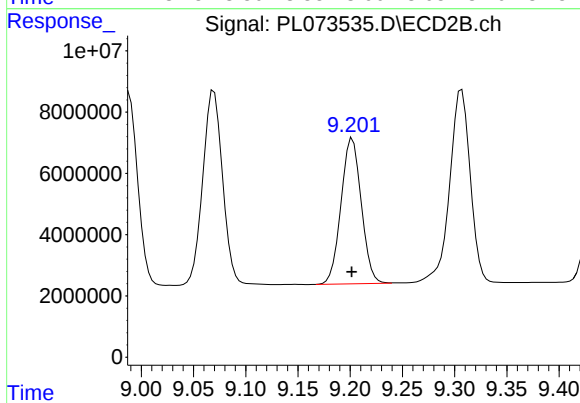
#17 4,4'-DDT

R.T.: 9.307 min  
Delta R.T.: 0.000 min  
Response: 85991922  
Conc: 52.61 ng/ml



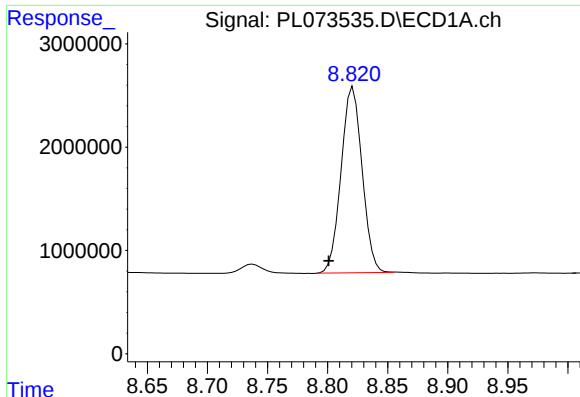
#18 Endrin aldehyde

R.T.: 8.591 min  
Delta R.T.: 0.021 min  
Response: 15622671  
Conc: 49.40 ng/ml



#18 Endrin aldehyde

R.T.: 9.201 min  
Delta R.T.: 0.000 min  
Response: 64082073  
Conc: 52.26 ng/ml m



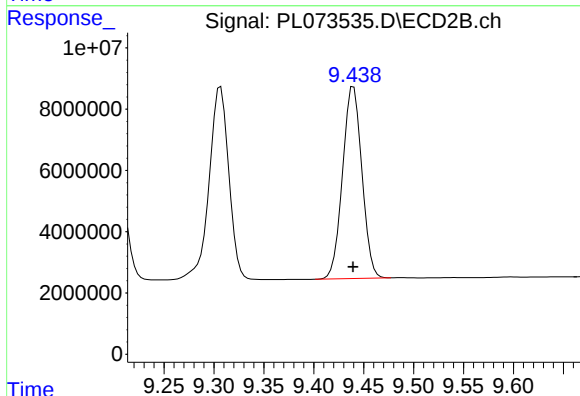
#19 Endosulfan Sulfate

R.T.: 8.820 min  
Delta R.T.: 0.019 min  
Response: 21943800  
Conc: 51.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

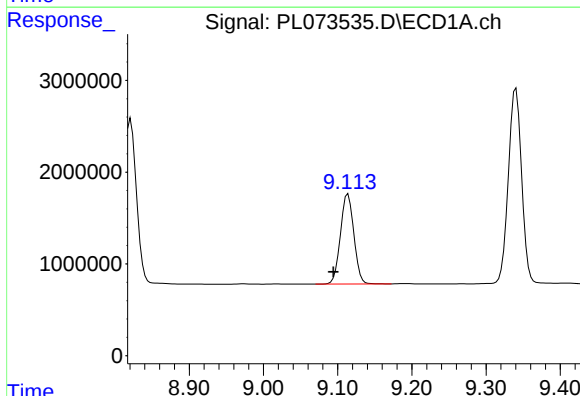
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



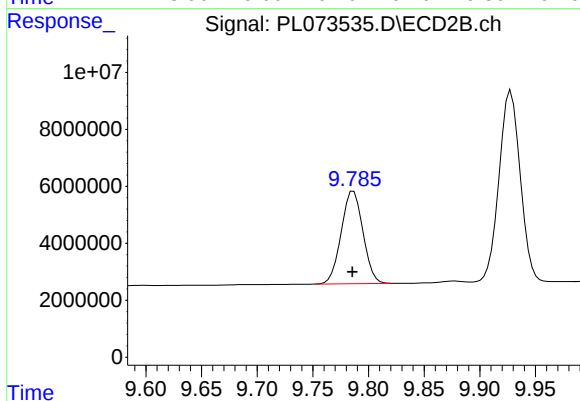
#19 Endosulfan Sulfate

R.T.: 9.440 min  
Delta R.T.: 0.000 min  
Response: 84474603  
Conc: 53.60 ng/ml



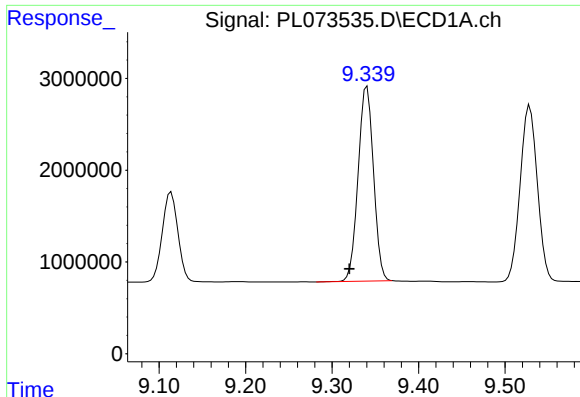
#20 Methoxychlor

R.T.: 9.114 min  
Delta R.T.: 0.020 min  
Response: 12362322  
Conc: 48.19 ng/ml



#20 Methoxychlor

R.T.: 9.787 min  
Delta R.T.: 0.001 min  
Response: 44317842  
Conc: 49.18 ng/ml



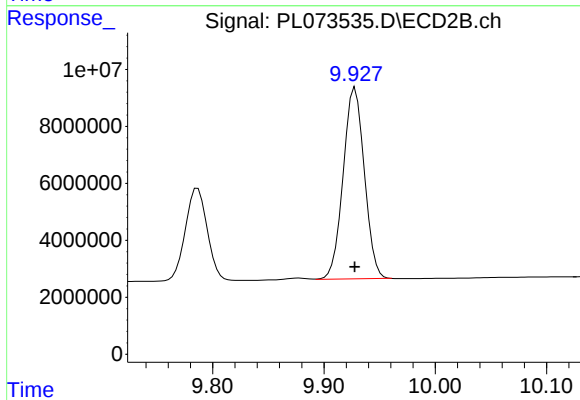
#21 Endrin ketone

R.T.: 9.340 min  
Delta R.T.: 0.020 min  
Response: 26259099  
Conc: 53.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

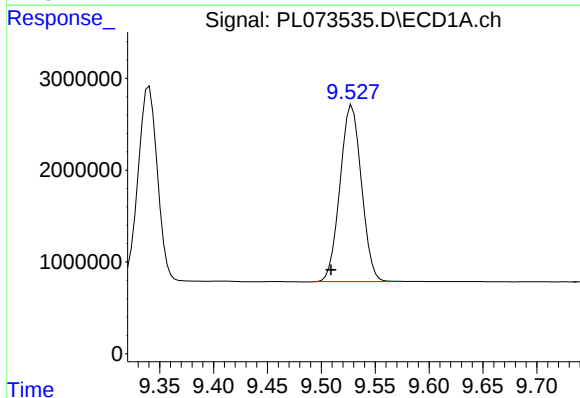
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



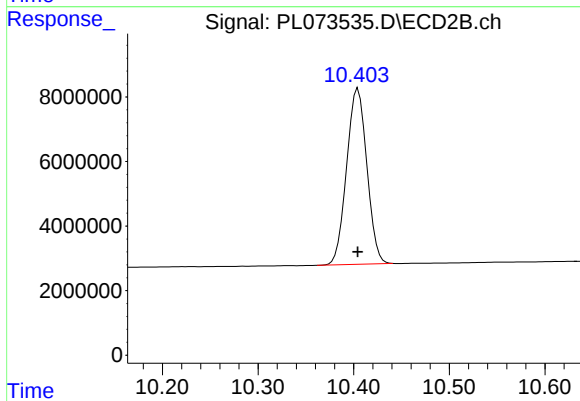
#21 Endrin ketone

R.T.: 9.928 min  
Delta R.T.: 0.000 min  
Response: 88880482  
Conc: 53.85 ng/ml



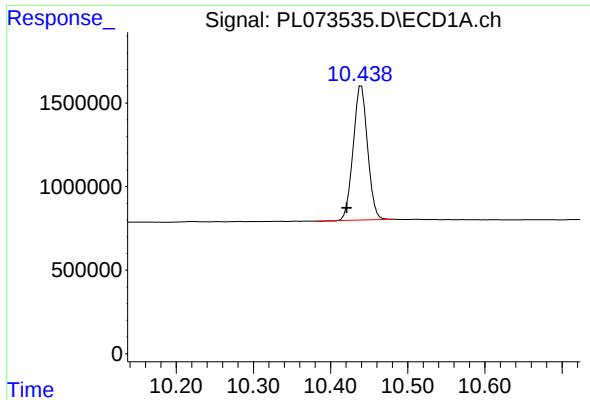
#22 Mirex

R.T.: 9.527 min  
Delta R.T.: 0.018 min  
Response: 26606307  
Conc: 56.42 ng/ml m



#22 Mirex

R.T.: 10.405 min  
Delta R.T.: 0.000 min  
Response: 80441652  
Conc: 59.22 ng/ml



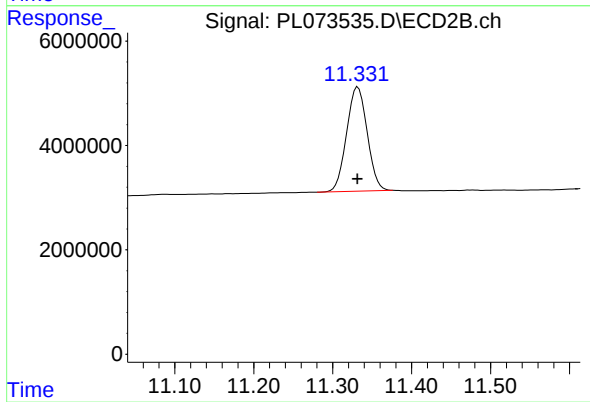
#28 Decachlorobiphenyl

R.T.: 10.440 min  
Delta R.T.: 0.019 min  
Response: 10401588  
Conc: 20.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
C-1-0-1MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 03/22/2022  
Supervised By :mohammad ahmed 03/23/2022



#28 Decachlorobiphenyl

R.T.: 11.332 min  
Delta R.T.: 0.000 min  
Response: 36291770  
Conc: 20.30 ng/ml