

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL081723\  
 Data File : PL084817.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Aug 2023 15:24  
 Operator : AR\AJ  
 Sample : 04022-04MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-15MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 08/17/2023  
 Supervised By : Ankita Jodhani 08/17/2023

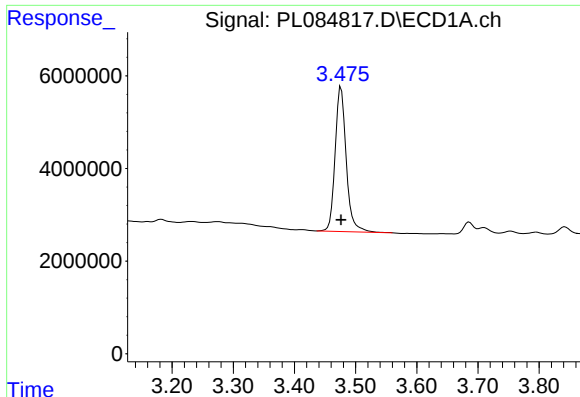
Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 16 22:26:49 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL080323.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Aug 03 16:21:43 2023  
 Response via : Initial Calibration  
 Integrator: 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... | 3.476 | 2.685 | 39308876 | 18918532 | 16.918  | 17.398 |
| 28)                         | SA Decachlor... | 9.027 | 7.866 | 26180357 | 20329649 | 16.090  | 16.305 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.935 | 3.189 | 160.2E6  | 80526023 | 48.514  | 52.152 |
| 3)                          | MA gamma-BHC... | 4.268 | 3.520 | 148.3E6  | 75335415 | 46.476  | 49.578 |
| 4)                          | MA Heptachlor   | 4.860 | 3.861 | 153.5E6  | 74370797 | 45.643m | 52.221 |
| 5)                          | MB Aldrin       | 5.203 | 4.141 | 141.1E6  | 72731277 | 42.697  | 50.042 |
| 6)                          | B beta-BHC      | 4.468 | 3.822 | 65468675 | 33812312 | 46.866  | 50.465 |
| 7)                          | B delta-BHC     | 4.715 | 4.050 | 146.9E6  | 74992697 | 45.561  | 49.395 |
| 8)                          | B Heptachlo...  | 5.633 | 4.647 | 133.3E6  | 66678932 | 44.247  | 50.255 |
| 9)                          | A Endosulfan I  | 6.019 | 5.018 | 118.7E6  | 62578531 | 45.097  | 50.495 |
| 10)                         | B gamma-Chl...  | 5.891 | 4.900 | 127.7E6  | 68707730 | 44.579  | 50.660 |
| 11)                         | B alpha-Chl...  | 5.971 | 4.965 | 125.2E6  | 67976273 | 44.337  | 49.891 |
| 12)                         | B 4,4'-DDE      | 6.149 | 5.163 | 107.2E6  | 63636387 | 46.703  | 51.675 |
| 13)                         | MA Dieldrin     | 6.296 | 5.285 | 115.9E6  | 66642222 | 43.874  | 49.081 |
| 14)                         | MA Endrin       | 6.526 | 5.561 | 97849201 | 61452129 | 44.865  | 50.238 |
| 15)                         | B Endosulfa...  | 6.746 | 5.858 | 90202936 | 56786550 | 42.649  | 47.064 |
| 16)                         | A 4,4'-DDD      | 6.669 | 5.721 | 85048550 | 53878928 | 50.727  | 52.146 |
| 17)                         | MA 4,4'-DDT     | 6.984 | 5.973 | 87352332 | 55380847 | 46.620  | 47.719 |
| 18)                         | B Endrin al...  | 6.877 | 6.039 | 73368392 | 45539950 | 43.492  | 45.919 |
| 19)                         | B Endosulfa...  | 7.113 | 6.265 | 90210177 | 56911769 | 45.157  | 47.858 |
| 20)                         | A Methoxychlor  | 7.466 | 6.557 | 43453994 | 31763638 | 45.279  | 46.296 |
| 21)                         | B Endrin ke...  | 7.598 | 6.769 | 90043118 | 68686502 | 45.012  | 47.606 |
| 22)                         | Mirex           | 8.074 | 6.950 | 73154752 | 53593046 | 44.047  | 46.470 |
| -----                       |                 |       |       |          |          |         |        |

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





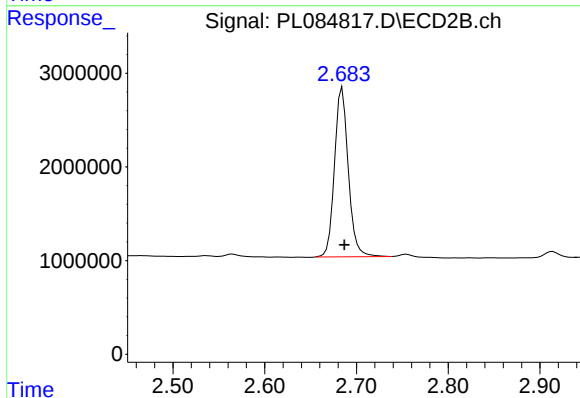
#1 Tetrachloro-m-xylene

R.T.: 3.476 min  
Delta R.T.: 0.000 min  
Response: 39308876  
Conc: 16.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

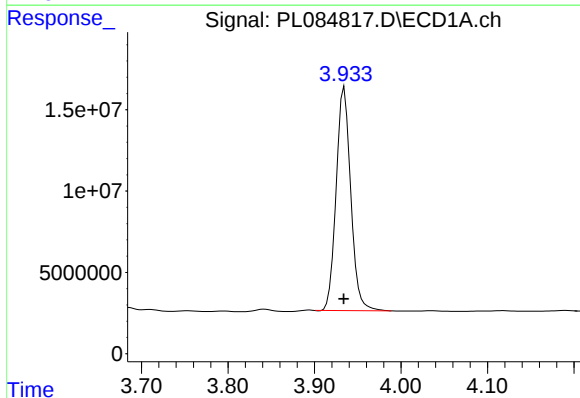
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



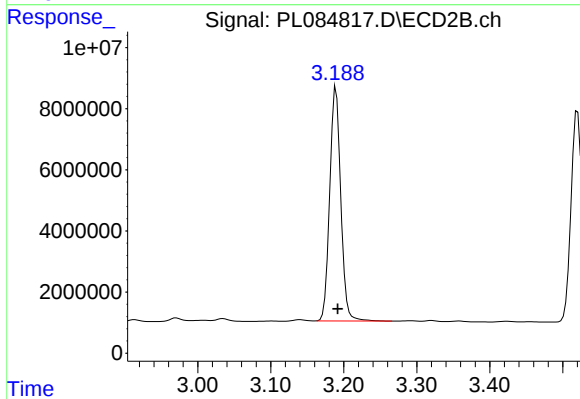
#1 Tetrachloro-m-xylene

R.T.: 2.685 min  
Delta R.T.: -0.002 min  
Response: 18918532  
Conc: 17.40 ng/ml



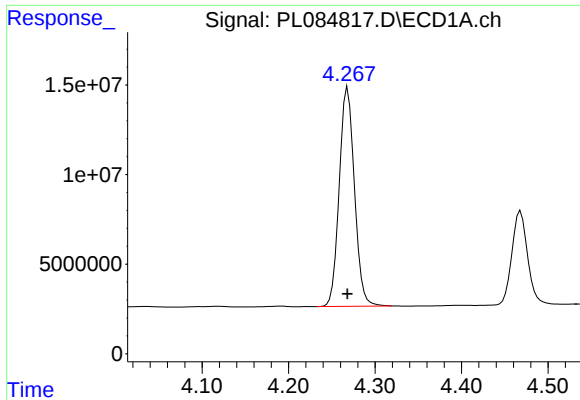
#2 alpha-BHC

R.T.: 3.935 min  
Delta R.T.: 0.000 min  
Response: 160163303  
Conc: 48.51 ng/ml



#2 alpha-BHC

R.T.: 3.189 min  
Delta R.T.: -0.002 min  
Response: 80526023  
Conc: 52.15 ng/ml



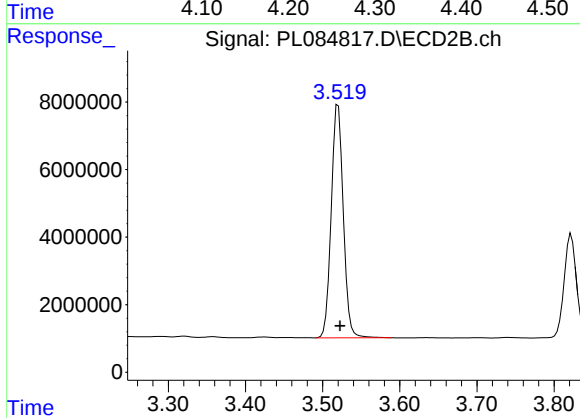
#3 gamma-BHC (Lindane)

R.T.: 4.268 min  
Delta R.T.: 0.000 min  
Response: 148259029  
Conc: 46.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

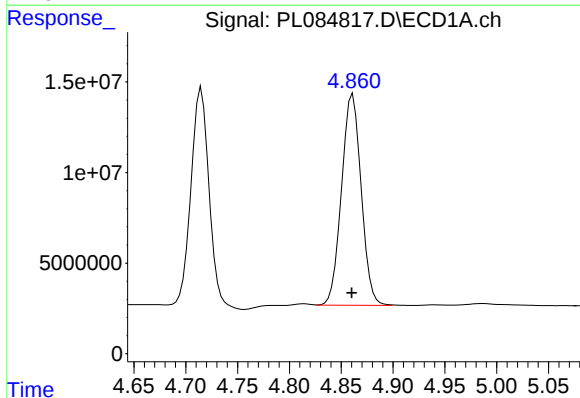
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



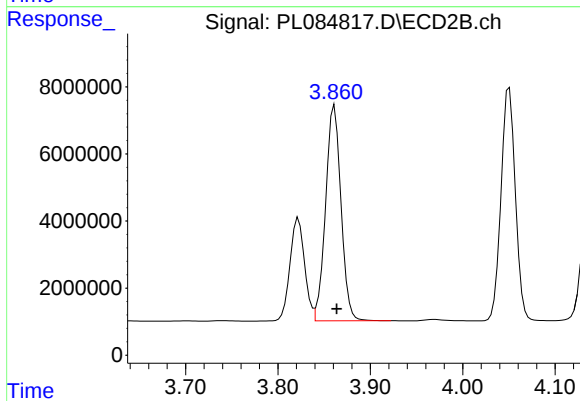
#3 gamma-BHC (Lindane)

R.T.: 3.520 min  
Delta R.T.: -0.002 min  
Response: 75335415  
Conc: 49.58 ng/ml



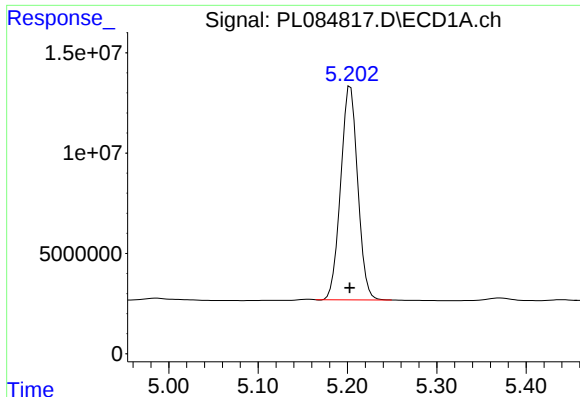
#4 Heptachlor

R.T.: 4.860 min  
Delta R.T.: 0.000 min  
Response: 153491501  
Conc: 45.64 ng/ml m



#4 Heptachlor

R.T.: 3.861 min  
Delta R.T.: -0.002 min  
Response: 74370797  
Conc: 52.22 ng/ml



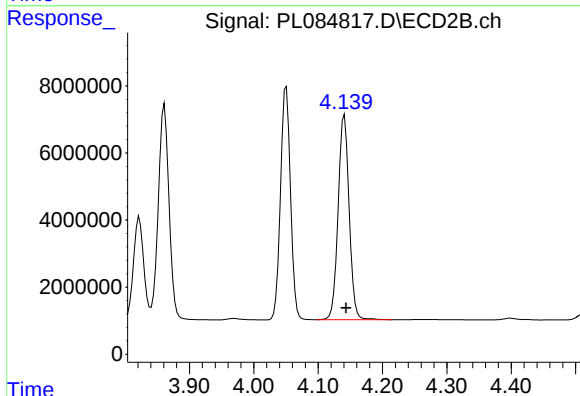
#5 Aldrin

R.T.: 5.203 min  
Delta R.T.: 0.000 min  
Response: 141127709  
Conc: 42.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

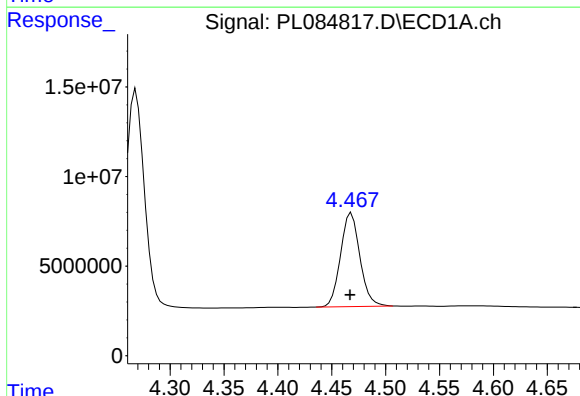
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



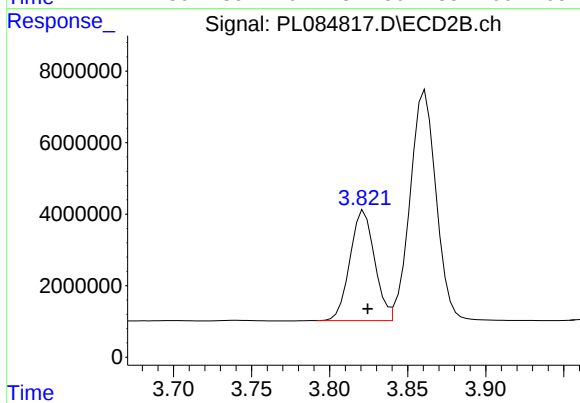
#5 Aldrin

R.T.: 4.141 min  
Delta R.T.: -0.003 min  
Response: 72731277  
Conc: 50.04 ng/ml



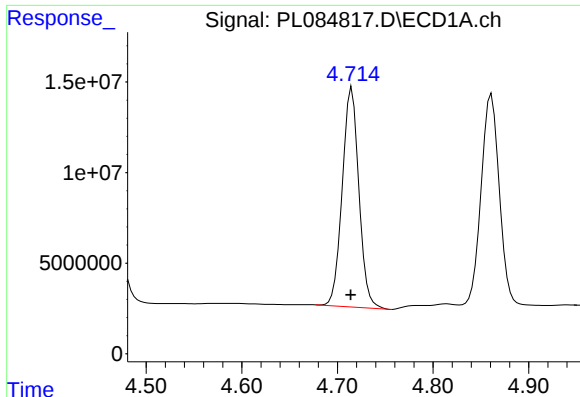
#6 beta-BHC

R.T.: 4.468 min  
Delta R.T.: 0.001 min  
Response: 65468675  
Conc: 46.87 ng/ml



#6 beta-BHC

R.T.: 3.822 min  
Delta R.T.: -0.002 min  
Response: 33812312  
Conc: 50.46 ng/ml



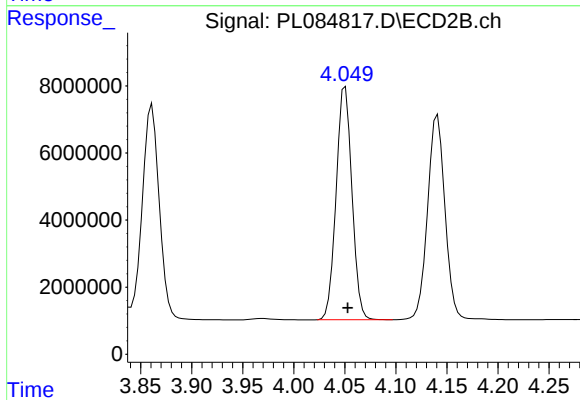
#7 delta-BHC

R.T.: 4.715 min  
Delta R.T.: 0.001 min  
Response: 146922258  
Conc: 45.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

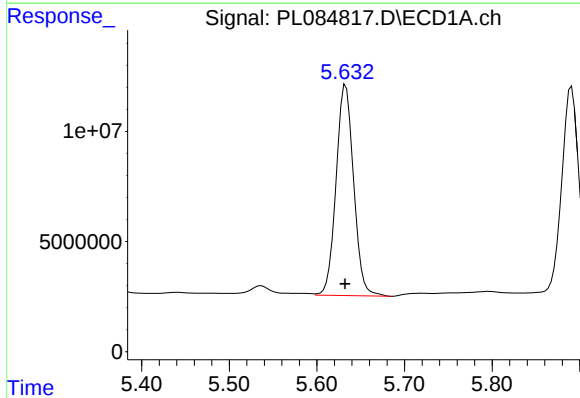
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



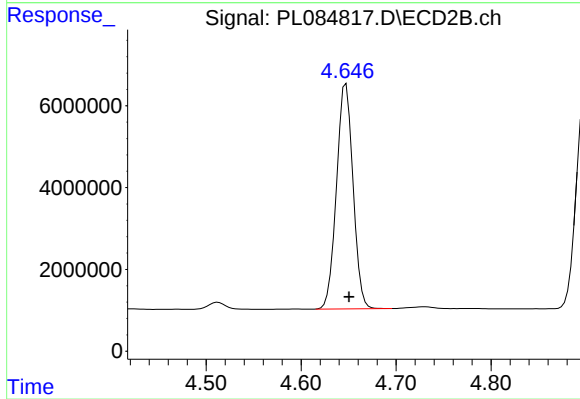
#7 delta-BHC

R.T.: 4.050 min  
Delta R.T.: -0.002 min  
Response: 74992697  
Conc: 49.40 ng/ml



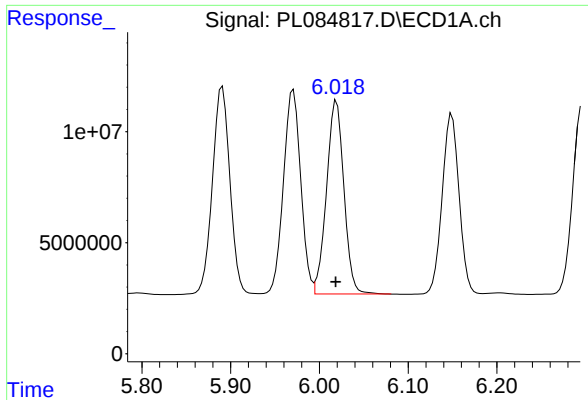
#8 Heptachlor epoxide

R.T.: 5.633 min  
Delta R.T.: 0.000 min  
Response: 133304104  
Conc: 44.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.647 min  
Delta R.T.: -0.003 min  
Response: 66678932  
Conc: 50.26 ng/ml



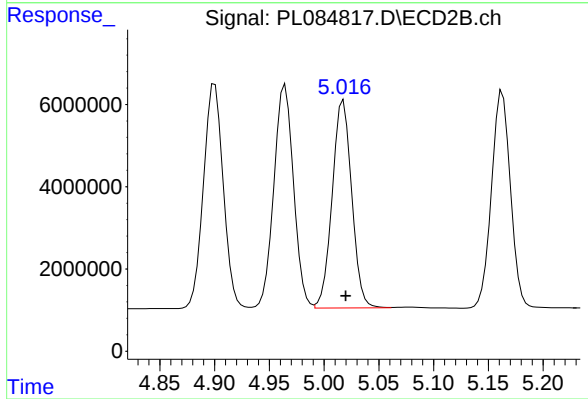
#9 Endosulfan I

R.T.: 6.019 min  
Delta R.T.: 0.000 min  
Response: 118706509  
Conc: 45.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

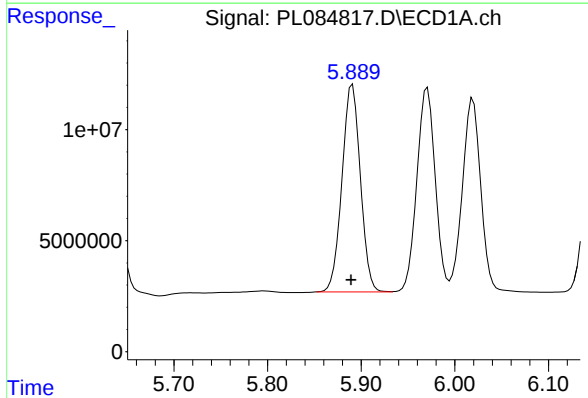
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



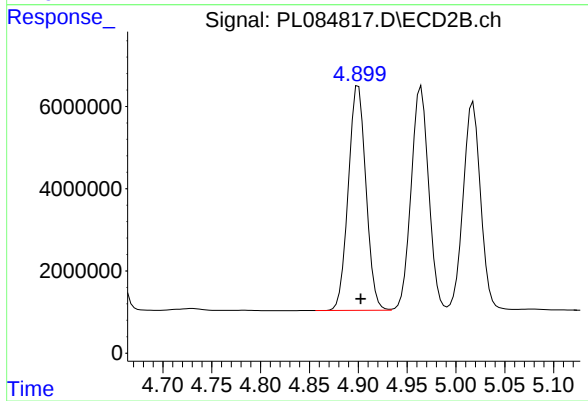
#9 Endosulfan I

R.T.: 5.018 min  
Delta R.T.: -0.002 min  
Response: 62578531  
Conc: 50.50 ng/ml



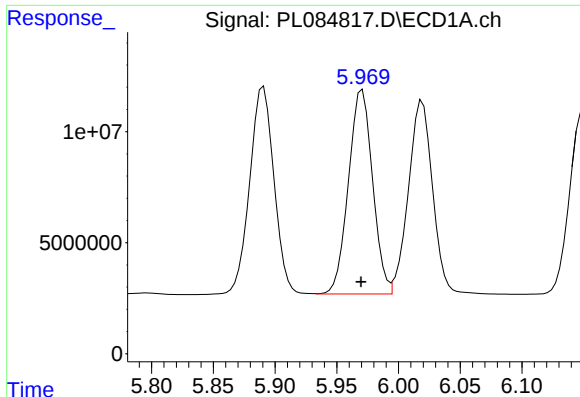
#10 gamma-Chlordane

R.T.: 5.891 min  
Delta R.T.: 0.001 min  
Response: 127656487  
Conc: 44.58 ng/ml



#10 gamma-Chlordane

R.T.: 4.900 min  
Delta R.T.: -0.002 min  
Response: 68707730  
Conc: 50.66 ng/ml



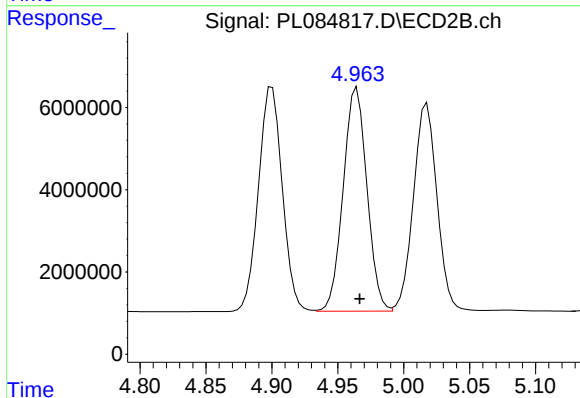
#11 alpha-Chlordane

R.T.: 5.971 min  
Delta R.T.: 0.001 min  
Response: 125173112  
Conc: 44.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

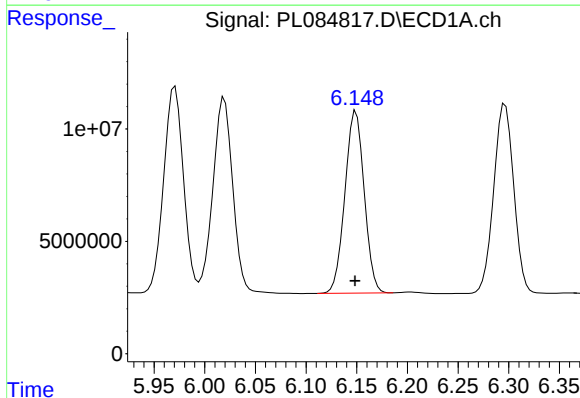
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



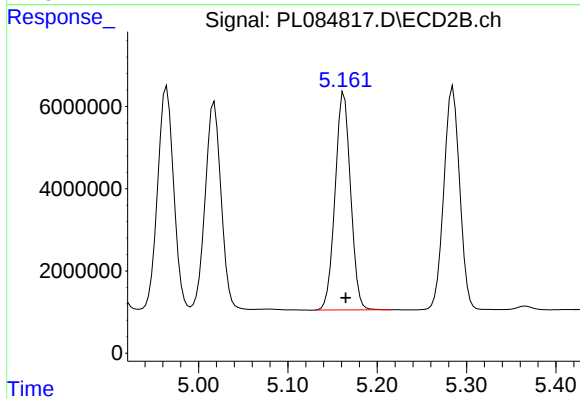
#11 alpha-Chlordane

R.T.: 4.965 min  
Delta R.T.: -0.002 min  
Response: 67976273  
Conc: 49.89 ng/ml



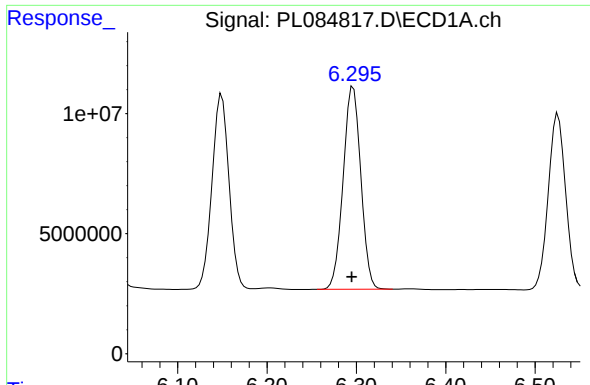
#12 4,4'-DDE

R.T.: 6.149 min  
Delta R.T.: 0.000 min  
Response: 107196246  
Conc: 46.70 ng/ml



#12 4,4'-DDE

R.T.: 5.163 min  
Delta R.T.: -0.002 min  
Response: 63636387  
Conc: 51.68 ng/ml



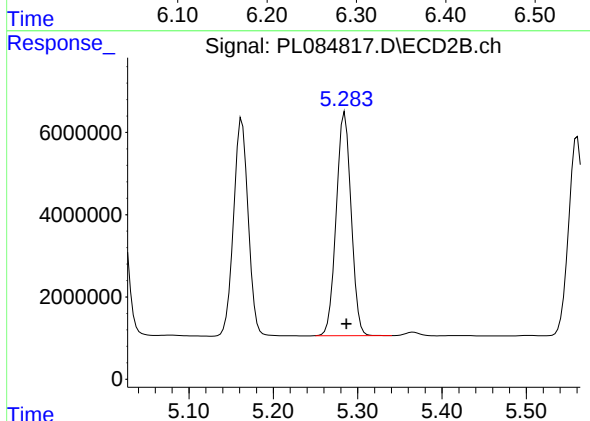
#13 Dieldrin

R.T.: 6.296 min  
Delta R.T.: 0.002 min  
Response: 115942857  
Conc: 43.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

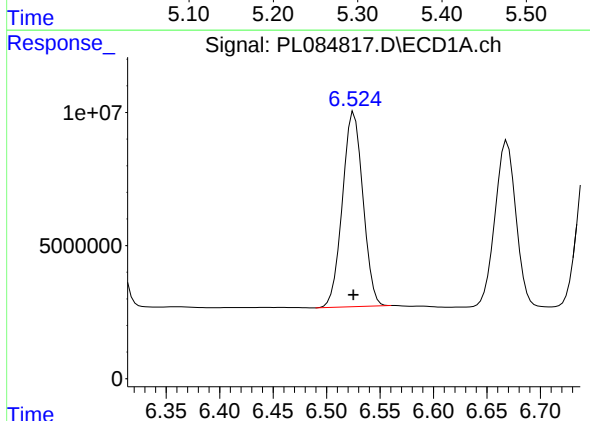
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



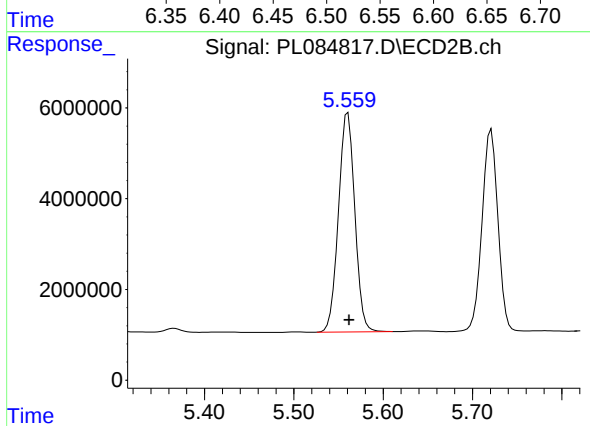
#13 Dieldrin

R.T.: 5.285 min  
Delta R.T.: -0.002 min  
Response: 66642222  
Conc: 49.08 ng/ml



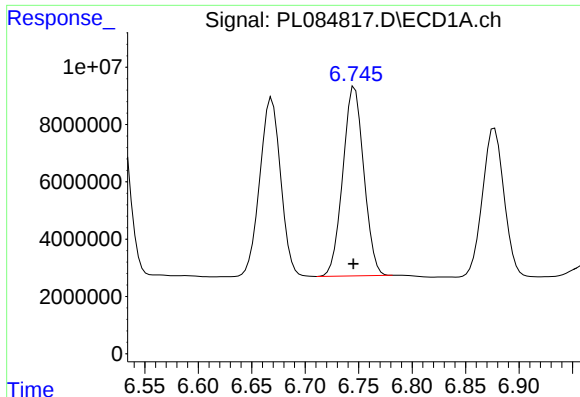
#14 Endrin

R.T.: 6.526 min  
Delta R.T.: 0.000 min  
Response: 97849201  
Conc: 44.86 ng/ml



#14 Endrin

R.T.: 5.561 min  
Delta R.T.: -0.001 min  
Response: 61452129  
Conc: 50.24 ng/ml



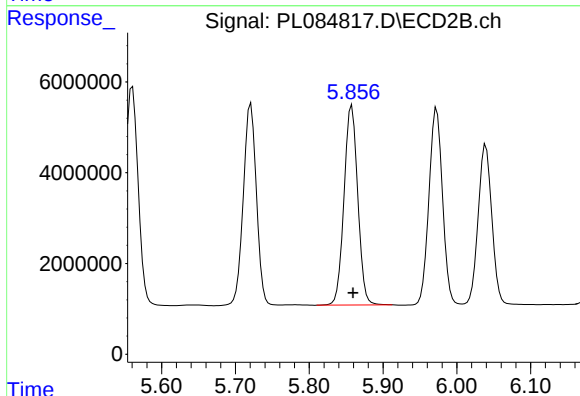
#15 Endosulfan II

R.T.: 6.746 min  
Delta R.T.: 0.001 min  
Response: 90202936  
Conc: 42.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

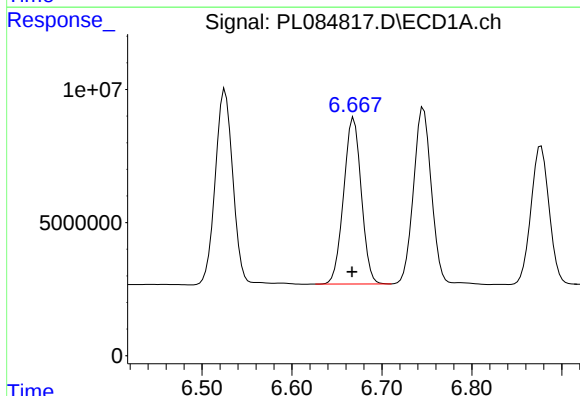
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



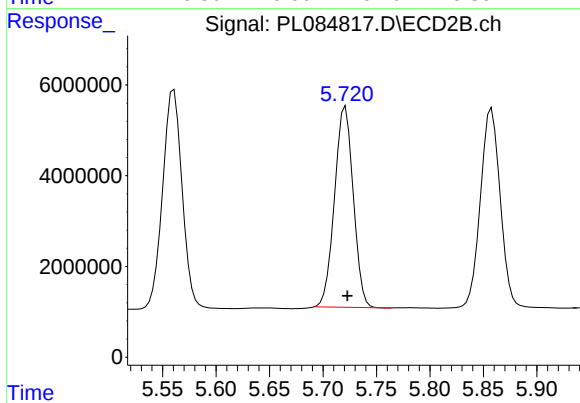
#15 Endosulfan II

R.T.: 5.858 min  
Delta R.T.: -0.002 min  
Response: 56786550  
Conc: 47.06 ng/ml



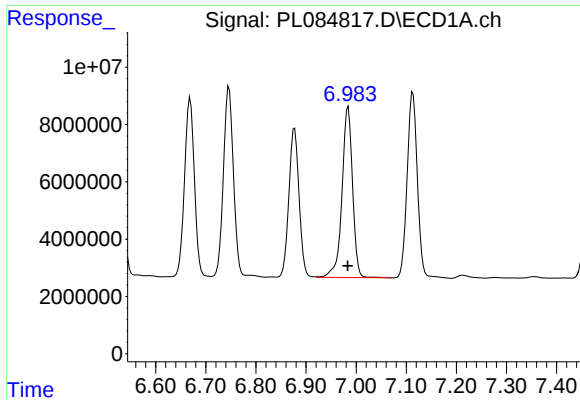
#16 4,4'-DDD

R.T.: 6.669 min  
Delta R.T.: 0.002 min  
Response: 85048550  
Conc: 50.73 ng/ml



#16 4,4'-DDD

R.T.: 5.721 min  
Delta R.T.: -0.002 min  
Response: 53878928  
Conc: 52.15 ng/ml



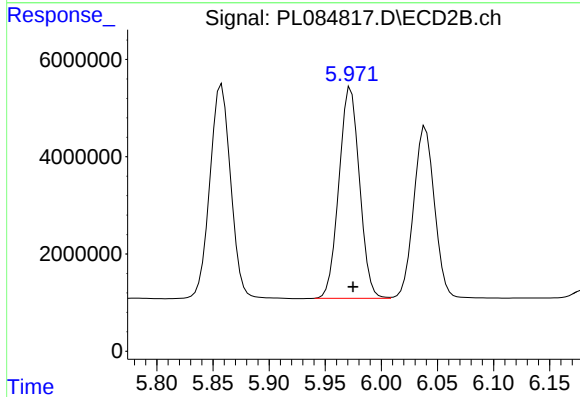
#17 4,4'-DDT

R.T.: 6.984 min  
Delta R.T.: 0.000 min  
Response: 87352332  
Conc: 46.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

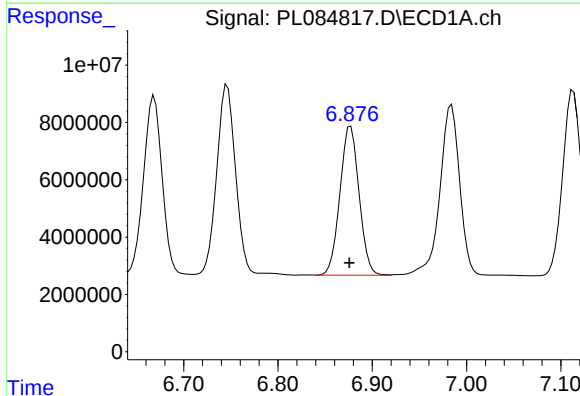
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



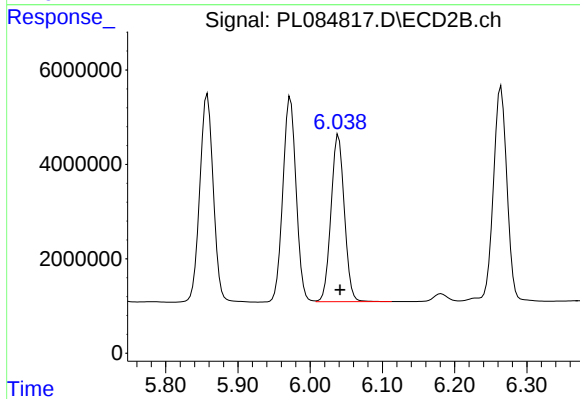
#17 4,4'-DDT

R.T.: 5.973 min  
Delta R.T.: -0.002 min  
Response: 55380847  
Conc: 47.72 ng/ml



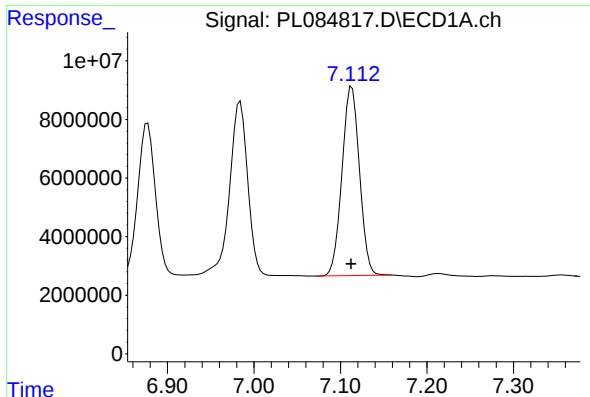
#18 Endrin aldehyde

R.T.: 6.877 min  
Delta R.T.: 0.001 min  
Response: 73368392  
Conc: 43.49 ng/ml



#18 Endrin aldehyde

R.T.: 6.039 min  
Delta R.T.: -0.002 min  
Response: 45539950  
Conc: 45.92 ng/ml



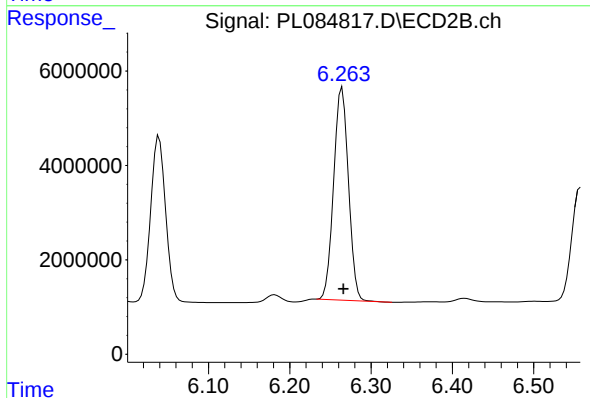
#19 Endosulfan Sulfate

R.T.: 7.113 min  
Delta R.T.: 0.000 min  
Response: 90210177  
Conc: 45.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

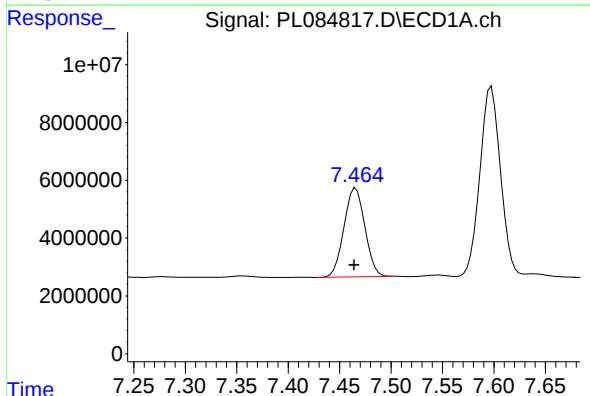
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



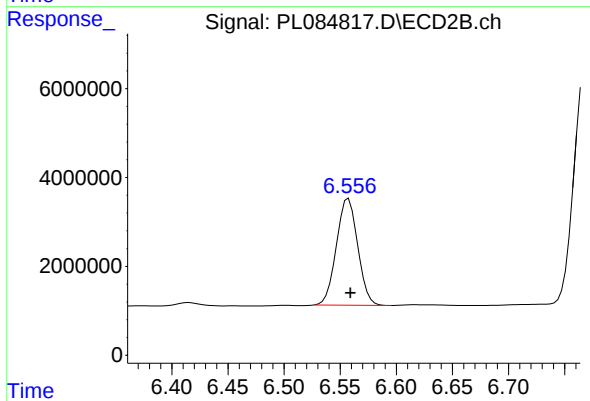
#19 Endosulfan Sulfate

R.T.: 6.265 min  
Delta R.T.: -0.002 min  
Response: 56911769  
Conc: 47.86 ng/ml



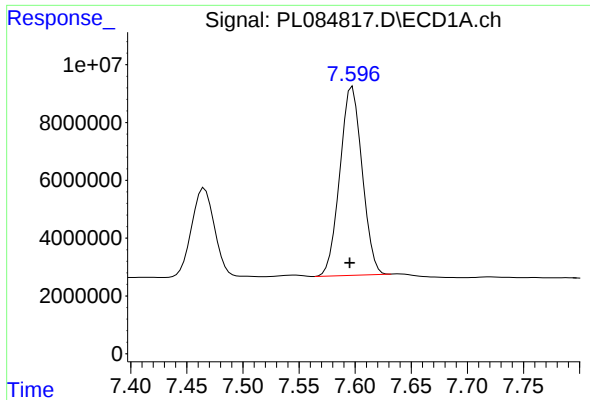
#20 Methoxychlor

R.T.: 7.466 min  
Delta R.T.: 0.002 min  
Response: 43453994  
Conc: 45.28 ng/ml



#20 Methoxychlor

R.T.: 6.557 min  
Delta R.T.: -0.002 min  
Response: 31763638  
Conc: 46.30 ng/ml



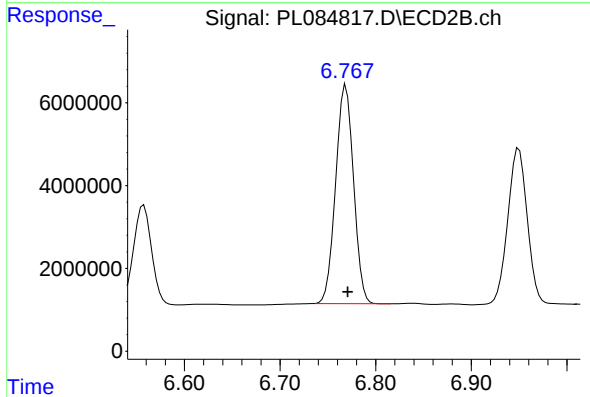
#21 Endrin ketone

R.T.: 7.598 min  
Delta R.T.: 0.002 min  
Response: 90043118  
Conc: 45.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

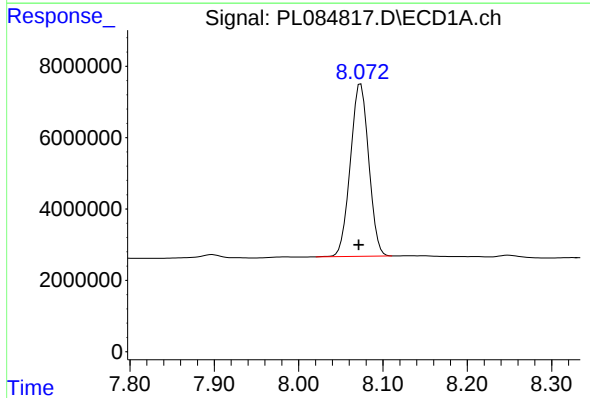
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



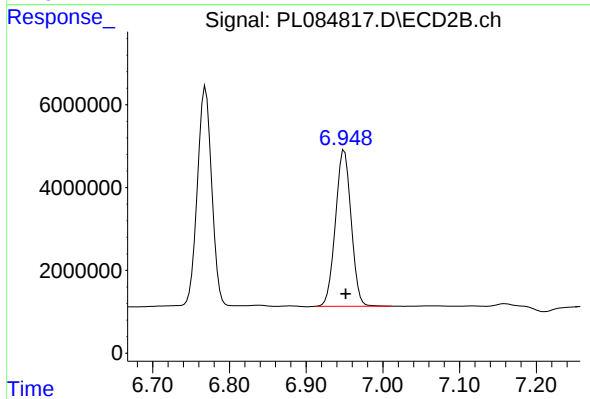
#21 Endrin ketone

R.T.: 6.769 min  
Delta R.T.: -0.002 min  
Response: 68686502  
Conc: 47.61 ng/ml



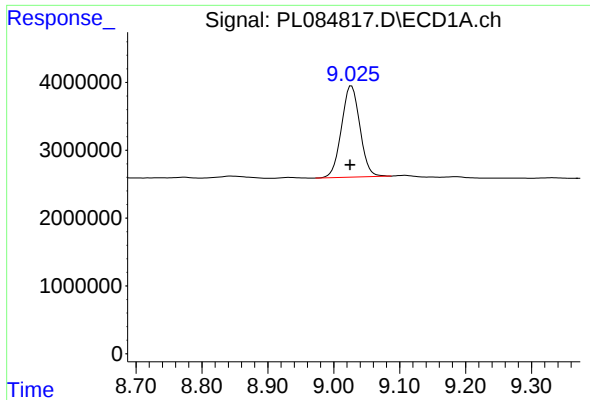
#22 Mirex

R.T.: 8.074 min  
Delta R.T.: 0.002 min  
Response: 73154752  
Conc: 44.05 ng/ml



#22 Mirex

R.T.: 6.950 min  
Delta R.T.: -0.002 min  
Response: 53593046  
Conc: 46.47 ng/ml



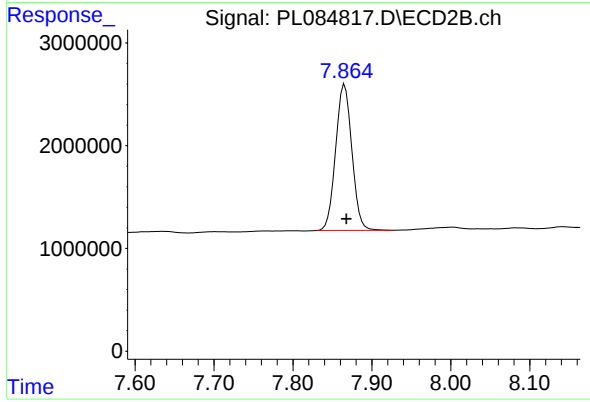
#28 Decachlorobiphenyl

R.T.: 9.027 min  
Delta R.T.: 0.002 min  
Response: 26180357  
Conc: 16.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-15MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 08/17/2023  
Supervised By :Ankita Jodhani 08/17/2023



#28 Decachlorobiphenyl

R.T.: 7.866 min  
Delta R.T.: -0.002 min  
Response: 20329649  
Conc: 16.31 ng/ml