

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022223\  
 Data File : PL081081.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2023 14:39  
 Operator : AR\AJ  
 Sample : 01640-01MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TP-1MSD

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 02/23/2023  
 Supervised By : Ankita Jodhani 02/23/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 22 20:19:49 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL022023.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Feb 20 18:06:39 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... | 3.349 | 2.687 | 37190648 | 36644507 | 15.955m | 15.924 |
| 28)                         | SA Decachlor... | 8.786 | 7.829 | 23544875 | 26817900 | 12.043  | 11.448 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.799 | 3.188 | 149.7E6  | 139.6E6  | 42.464  | 41.675 |
| 3)                          | MA gamma-BHC... | 4.127 | 3.516 | 139.3E6  | 128.9E6  | 42.305  | 41.047 |
| 4)                          | MA Heptachlor   | 4.711 | 3.856 | 140.1E6  | 133.7E6  | 42.592  | 40.776 |
| 5)                          | MB Aldrin       | 5.049 | 4.135 | 124.9E6  | 122.8E6  | 41.513  | 39.943 |
| 6)                          | B beta-BHC      | 4.324 | 3.812 | 62063101 | 55037332 | 41.527  | 40.907 |
| 7)                          | B delta-BHC     | 4.566 | 4.041 | 137.2E6  | 121.8E6  | 42.733  | 40.315 |
| 8)                          | B Heptachlo...  | 5.473 | 4.636 | 114.9E6  | 114.9E6  | 41.270  | 40.143 |
| 9)                          | A Endosulfan I  | 5.855 | 5.005 | 105.4E6  | 105.2E6  | 40.607  | 39.464 |
| 10)                         | B gamma-Chl...  | 5.728 | 4.887 | 114.7E6  | 114.7E6  | 41.061  | 39.369 |
| 11)                         | B alpha-Chl...  | 5.807 | 4.951 | 112.8E6  | 114.4E6  | 40.655  | 39.184 |
| 12)                         | B 4,4'-DDE      | 5.985 | 5.143 | 99607198 | 97289489 | 40.241  | 40.758 |
| 13)                         | MA Dieldrin     | 6.129 | 5.270 | 107.2E6  | 106.0E6  | 40.476  | 38.486 |
| 14)                         | MA Endrin       | 6.356 | 5.545 | 94790904 | 95108166 | 40.039  | 38.466 |
| 15)                         | B Endosulfa...  | 6.575 | 5.839 | 86247562 | 84297187 | 38.851  | 37.281 |
| 16)                         | A 4,4'-DDD      | 6.499 | 5.697 | 81458948 | 76648032 | 40.273  | 40.267 |
| 17)                         | MA 4,4'-DDT     | 6.812 | 5.948 | 86676877 | 81899024 | 38.363  | 37.775 |
| 18)                         | B Endrin al...  | 6.705 | 6.019 | 71229351 | 68675982 | 39.173  | 37.220 |
| 19)                         | B Endosulfa...  | 6.938 | 6.242 | 89759972 | 89048775 | 38.975  | 37.570 |
| 20)                         | A Methoxychlor  | 7.290 | 6.526 | 47134083 | 46779186 | 38.411  | 38.974 |
| 21)                         | B Endrin ke...  | 7.418 | 6.746 | 91868905 | 95191055 | 38.576  | 36.356 |
| 22)                         | Mirex           | 7.890 | 6.929 | 74315793 | 81993028 | 39.722  | 35.251 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL022223\  
Data File : PL081081.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Feb 2023 14:39  
Operator : AR\AJ  
Sample : 01640-01MSD  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

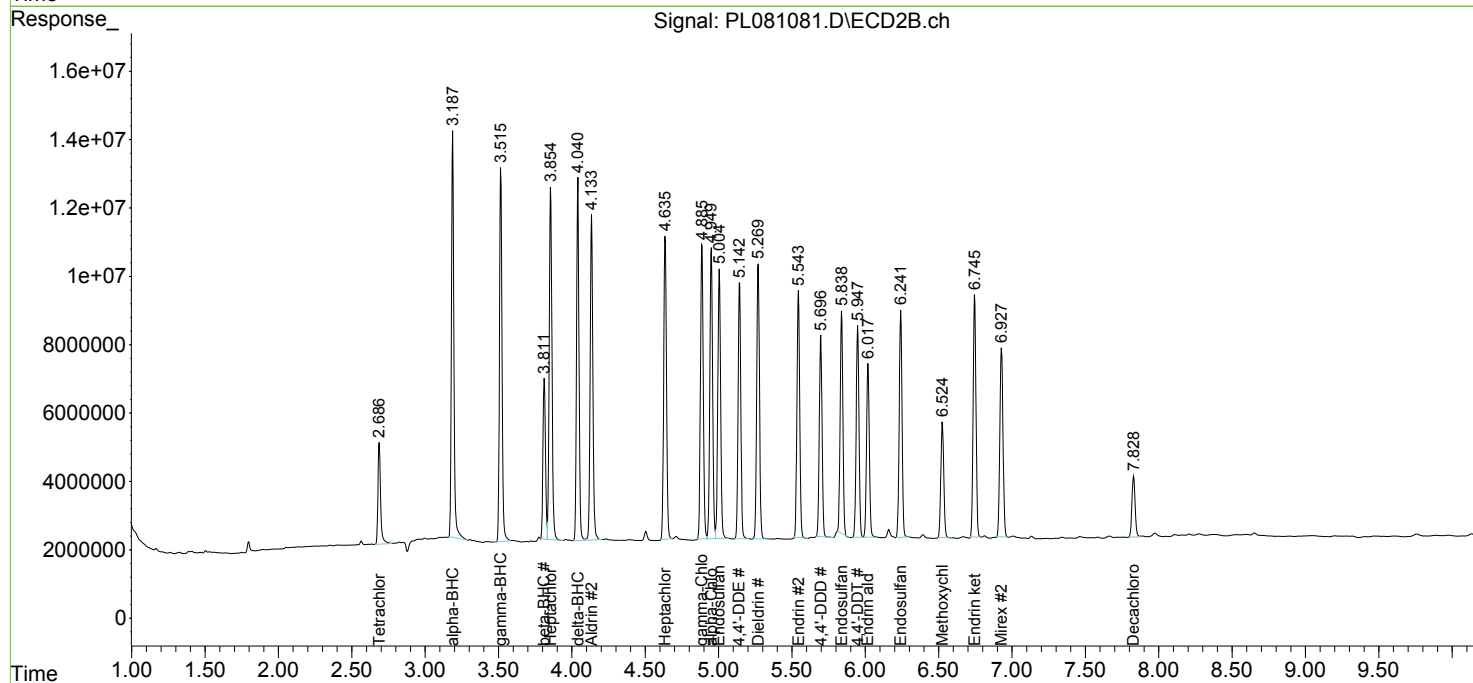
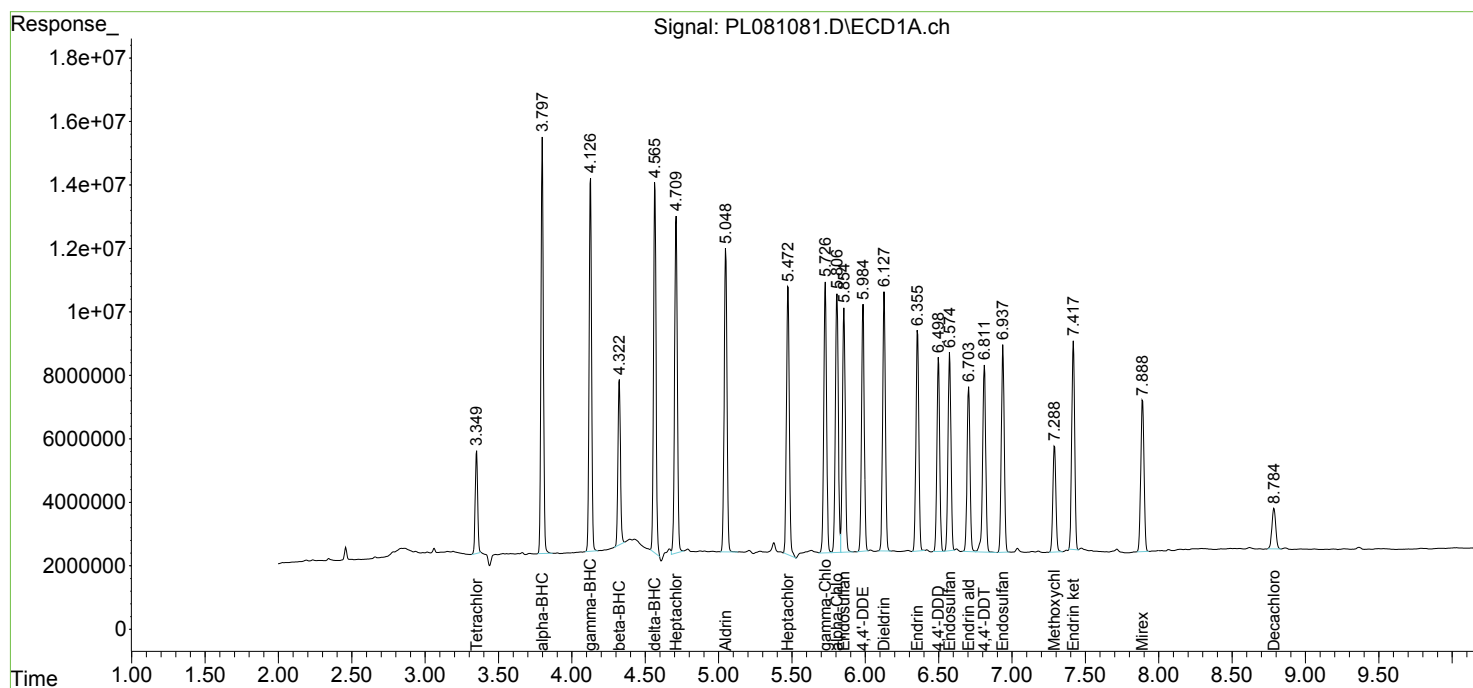
Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

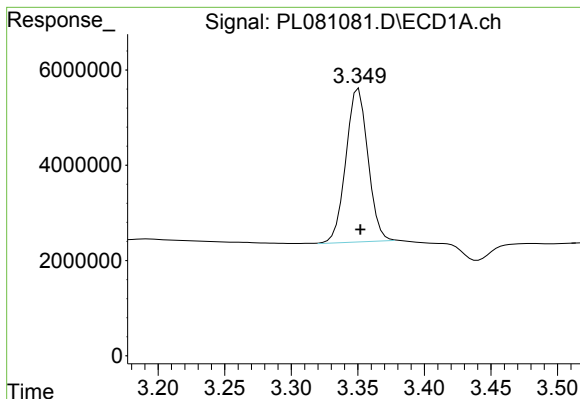
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 02/23/2023  
Supervised By : Ankita Jodhani 02/23/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 22 20:19:49 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL022023.M  
Quant Title : GC Extractables  
QLast Update : Mon Feb 20 18:06:39 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





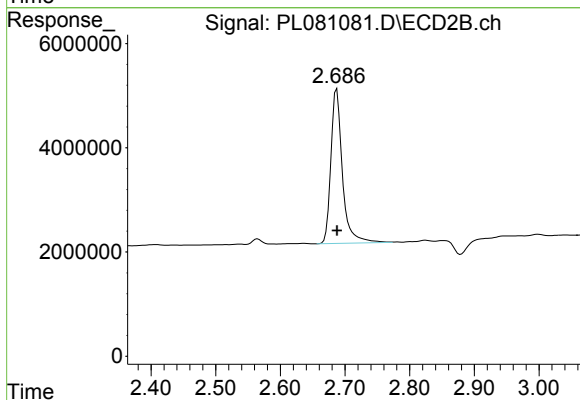
#1 Tetrachloro-m-xylene

R.T.: 3.349 min  
Delta R.T.: -0.003 min  
Response: 37190648  
Conc: 15.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

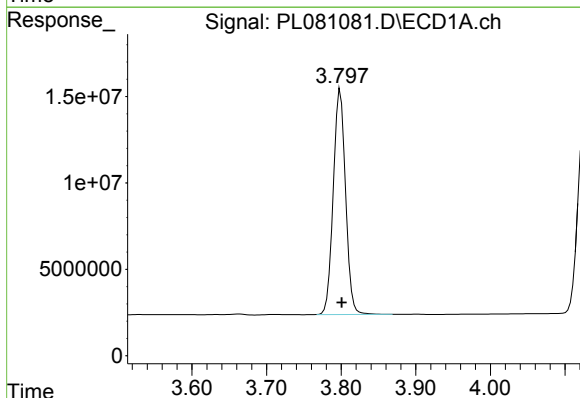
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



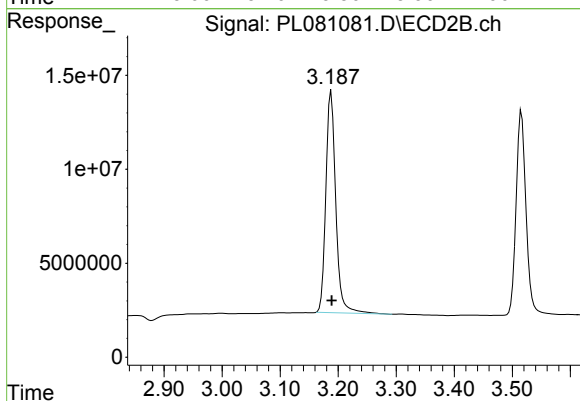
#1 Tetrachloro-m-xylene

R.T.: 2.687 min  
Delta R.T.: 0.000 min  
Response: 36644507  
Conc: 15.92 ng/ml



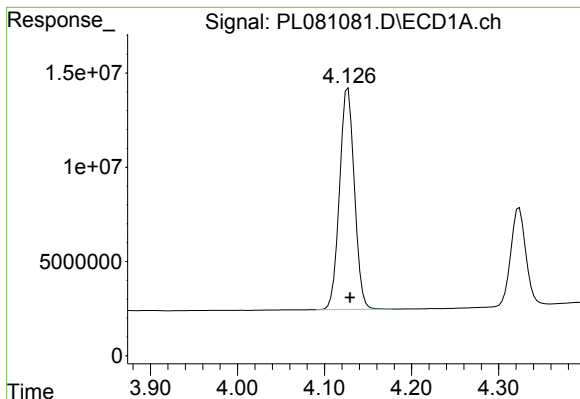
#2 alpha-BHC

R.T.: 3.799 min  
Delta R.T.: -0.002 min  
Response: 149655955  
Conc: 42.46 ng/ml



#2 alpha-BHC

R.T.: 3.188 min  
Delta R.T.: 0.000 min  
Response: 139567765  
Conc: 41.67 ng/ml



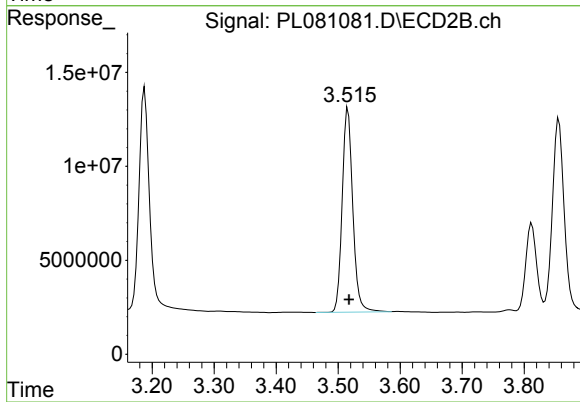
#3 gamma-BHC (Lindane)

R.T.: 4.127 min  
Delta R.T.: -0.002 min  
Response: 139336327  
Conc: 42.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

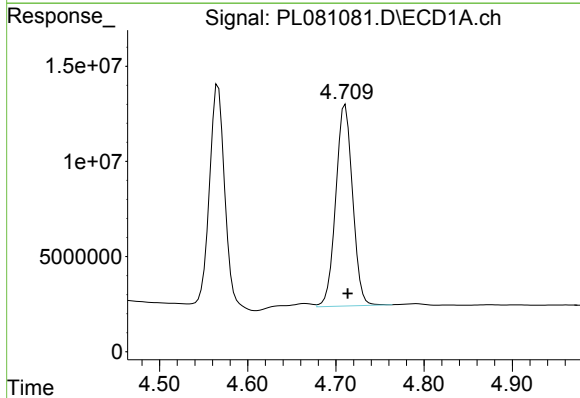
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



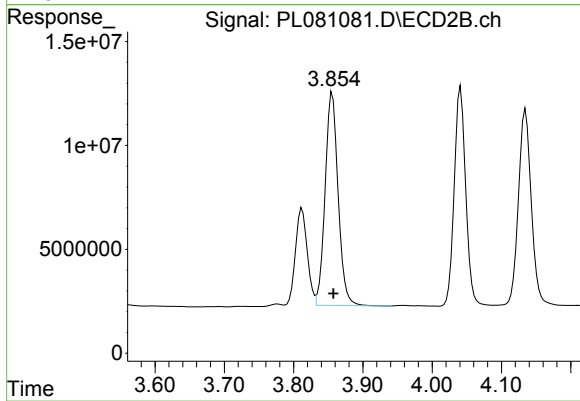
#3 gamma-BHC (Lindane)

R.T.: 3.516 min  
Delta R.T.: -0.001 min  
Response: 128933557  
Conc: 41.05 ng/ml



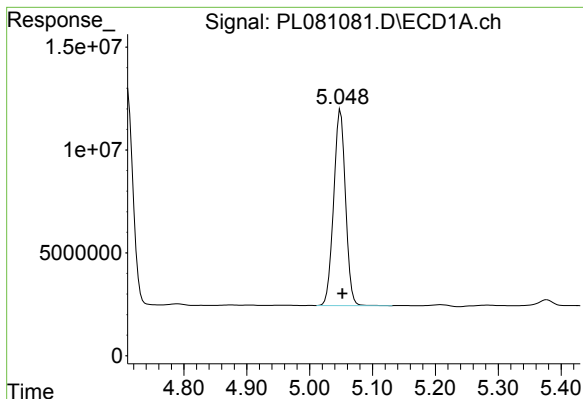
#4 Heptachlor

R.T.: 4.711 min  
Delta R.T.: -0.003 min  
Response: 140066838  
Conc: 42.59 ng/ml



#4 Heptachlor

R.T.: 3.856 min  
Delta R.T.: -0.002 min  
Response: 133684916  
Conc: 40.78 ng/ml



#5 Aldrin

R.T.: 5.049 min  
Delta R.T.: -0.003 min  
Response: 124880563  
Conc: 41.51 ng/ml

Instrument :

ECD\_L

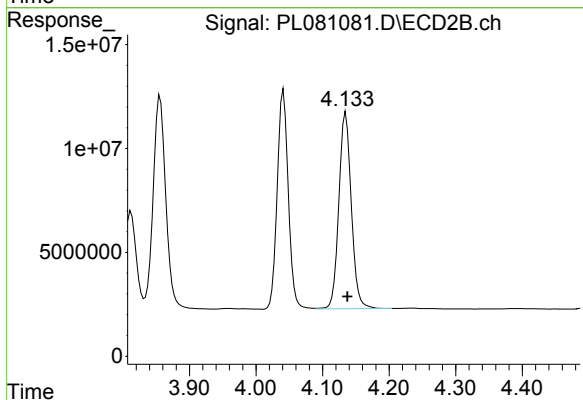
ClientSampleId :

TP-1MSD

Manual Integrations

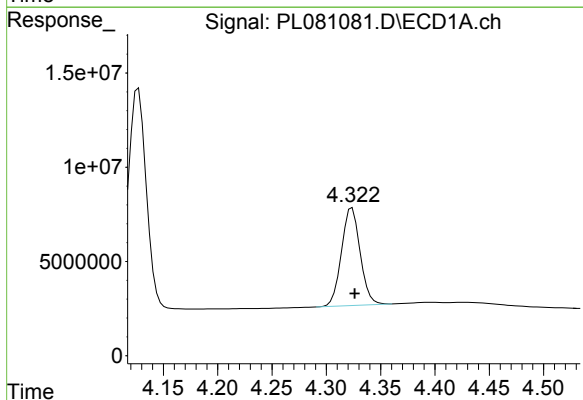
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



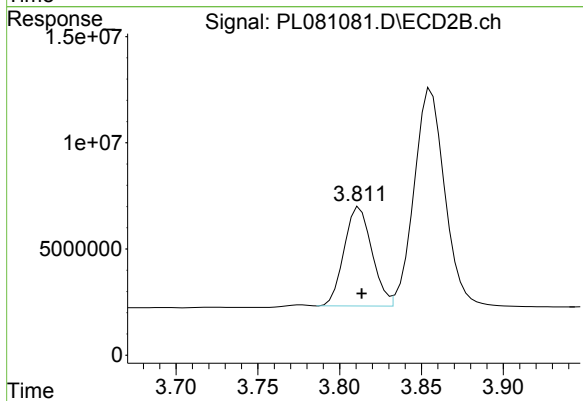
#5 Aldrin

R.T.: 4.135 min  
Delta R.T.: -0.003 min  
Response: 122767434  
Conc: 39.94 ng/ml



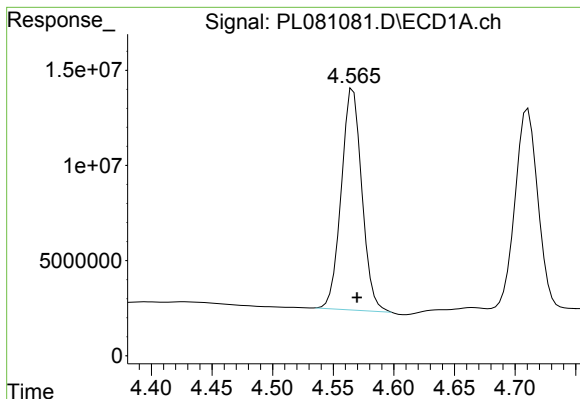
#6 beta-BHC

R.T.: 4.324 min  
Delta R.T.: -0.002 min  
Response: 62063101  
Conc: 41.53 ng/ml



#6 beta-BHC

R.T.: 3.812 min  
Delta R.T.: -0.001 min  
Response: 55037332  
Conc: 40.91 ng/ml



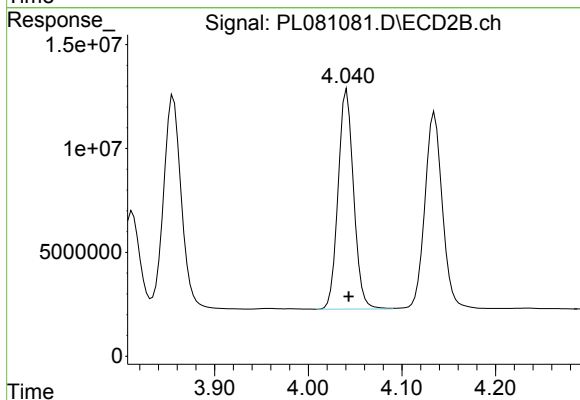
#7 delta-BHC

R.T.: 4.566 min  
Delta R.T.: -0.003 min  
Response: 137209682  
Conc: 42.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

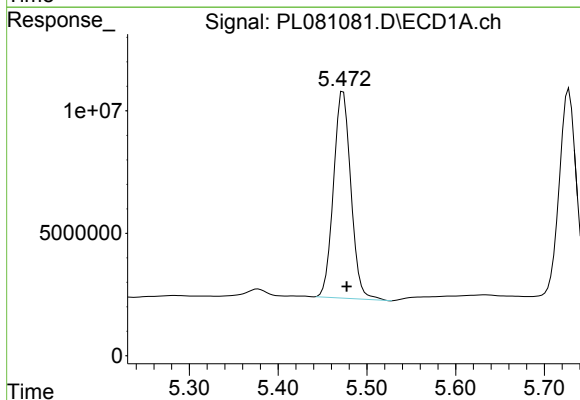
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



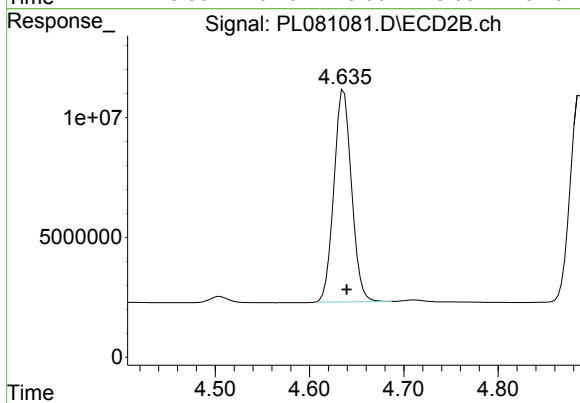
#7 delta-BHC

R.T.: 4.041 min  
Delta R.T.: -0.002 min  
Response: 121802639  
Conc: 40.31 ng/ml



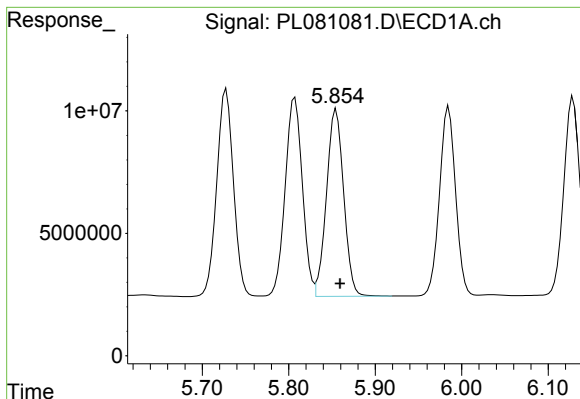
#8 Heptachlor epoxide

R.T.: 5.473 min  
Delta R.T.: -0.004 min  
Response: 114921719  
Conc: 41.27 ng/ml



#8 Heptachlor epoxide

R.T.: 4.636 min  
Delta R.T.: -0.003 min  
Response: 114861710  
Conc: 40.14 ng/ml



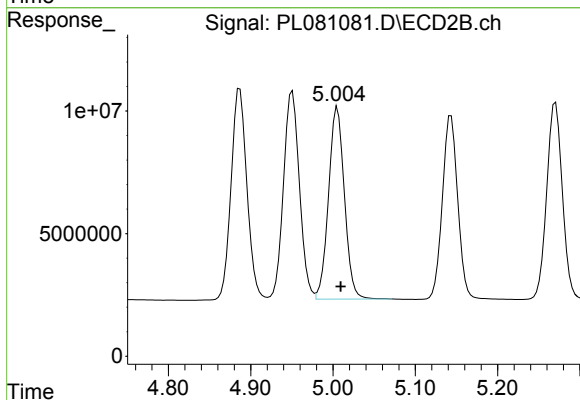
#9 Endosulfan I

R.T.: 5.855 min  
Delta R.T.: -0.004 min  
Response: 105361443  
Conc: 40.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

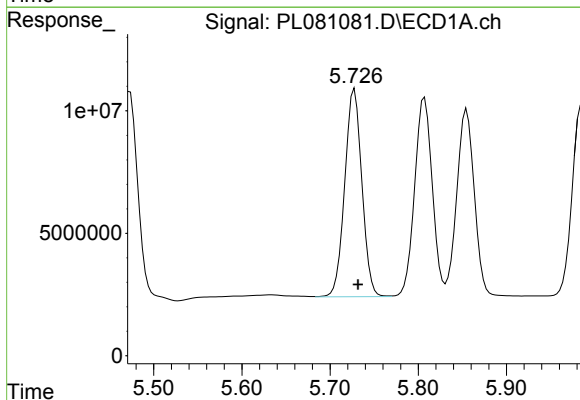
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



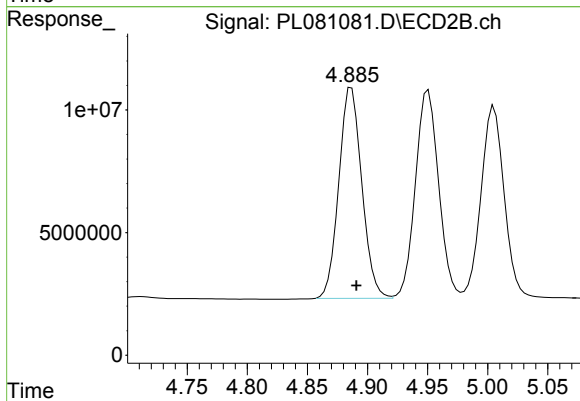
#9 Endosulfan I

R.T.: 5.005 min  
Delta R.T.: -0.004 min  
Response: 105183256  
Conc: 39.46 ng/ml



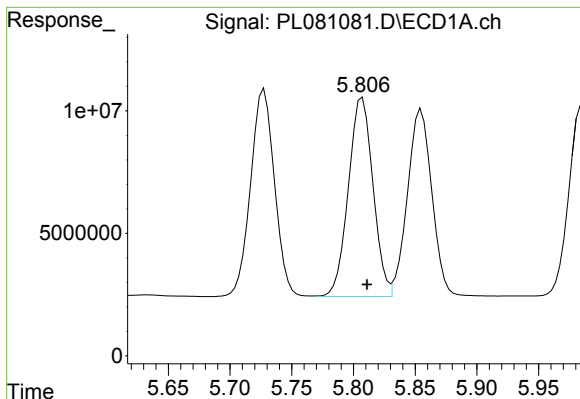
#10 gamma-Chlordane

R.T.: 5.728 min  
Delta R.T.: -0.004 min  
Response: 114700941  
Conc: 41.06 ng/ml



#10 gamma-Chlordane

R.T.: 4.887 min  
Delta R.T.: -0.004 min  
Response: 114650441  
Conc: 39.37 ng/ml



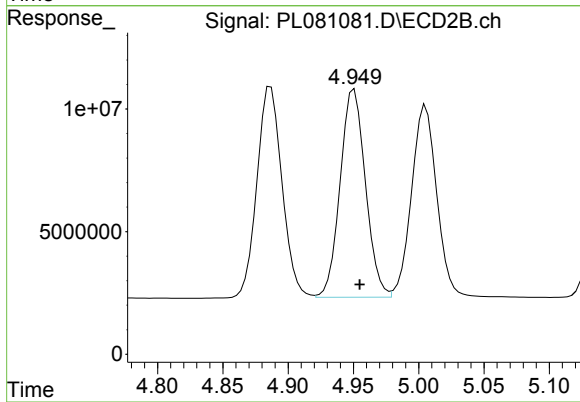
#11 alpha-Chlordane

R.T.: 5.807 min  
Delta R.T.: -0.004 min  
Response: 112805122  
Conc: 40.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

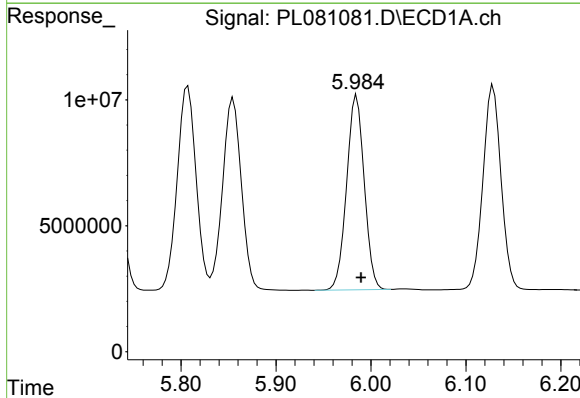
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



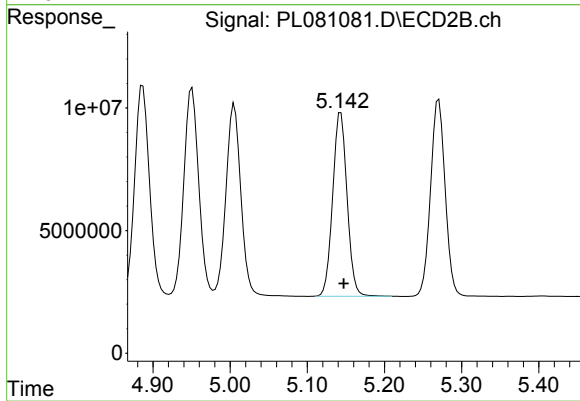
#11 alpha-Chlordane

R.T.: 4.951 min  
Delta R.T.: -0.004 min  
Response: 114400862  
Conc: 39.18 ng/ml



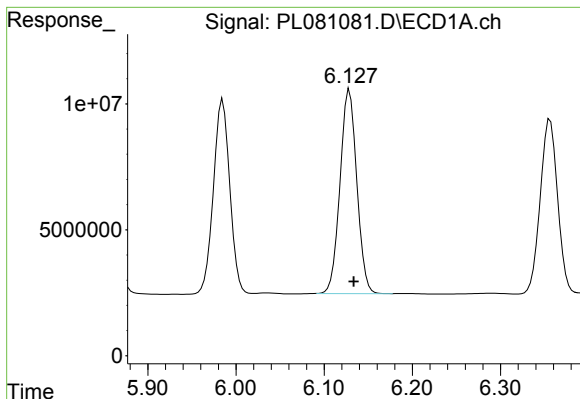
#12 4,4'-DDE

R.T.: 5.985 min  
Delta R.T.: -0.004 min  
Response: 99607198  
Conc: 40.24 ng/ml



#12 4,4'-DDE

R.T.: 5.143 min  
Delta R.T.: -0.004 min  
Response: 97289489  
Conc: 40.76 ng/ml



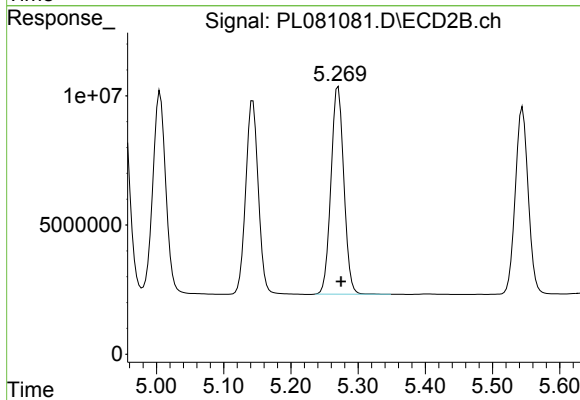
#13 Dieldrin

R.T.: 6.129 min  
Delta R.T.: -0.005 min  
Response: 107188780  
Conc: 40.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

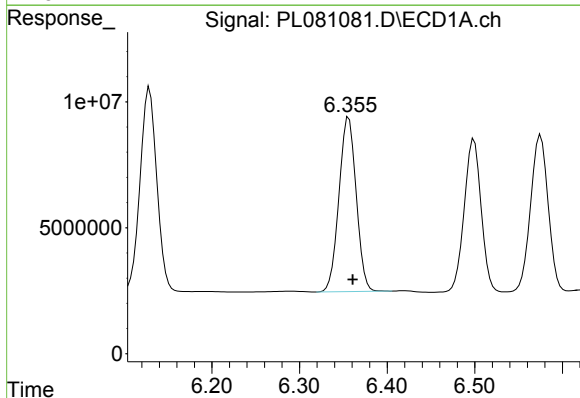
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



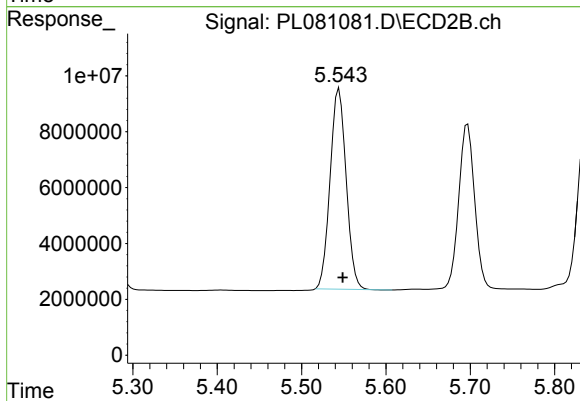
#13 Dieldrin

R.T.: 5.270 min  
Delta R.T.: -0.004 min  
Response: 106005819  
Conc: 38.49 ng/ml



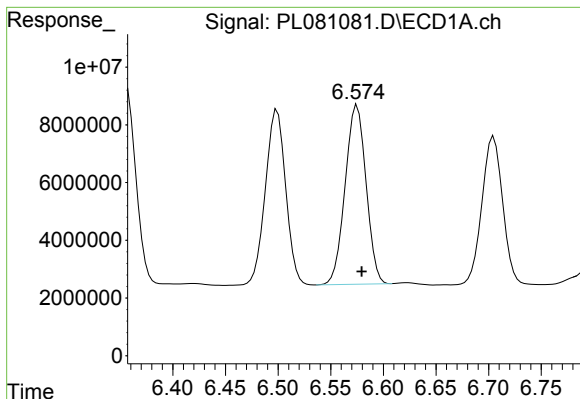
#14 Endrin

R.T.: 6.356 min  
Delta R.T.: -0.004 min  
Response: 94790904  
Conc: 40.04 ng/ml



#14 Endrin

R.T.: 5.545 min  
Delta R.T.: -0.004 min  
Response: 95108166  
Conc: 38.47 ng/ml



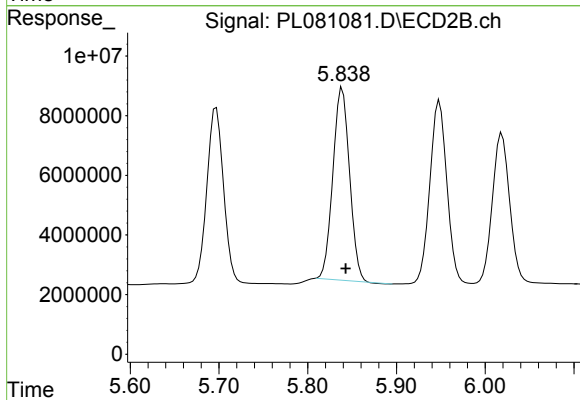
#15 Endosulfan II

R.T.: 6.575 min  
Delta R.T.: -0.004 min  
Response: 86247562  
Conc: 38.85 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

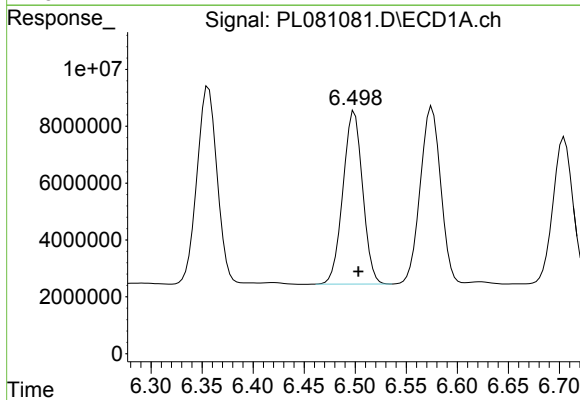
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



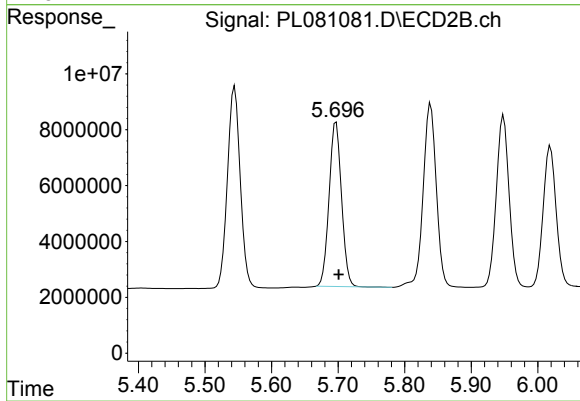
#15 Endosulfan II

R.T.: 5.839 min  
Delta R.T.: -0.004 min  
Response: 84297187  
Conc: 37.28 ng/ml



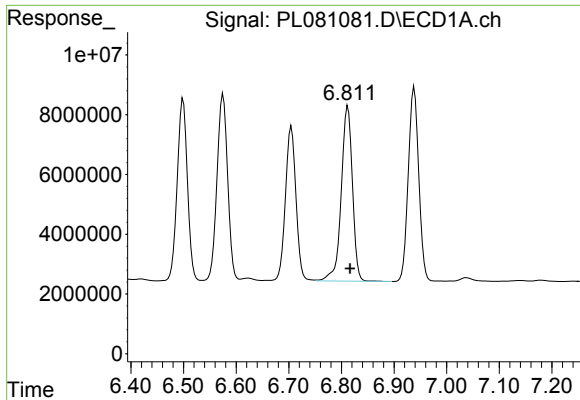
#16 4,4'-DDD

R.T.: 6.499 min  
Delta R.T.: -0.004 min  
Response: 81458948  
Conc: 40.27 ng/ml



#16 4,4'-DDD

R.T.: 5.697 min  
Delta R.T.: -0.004 min  
Response: 76648032  
Conc: 40.27 ng/ml



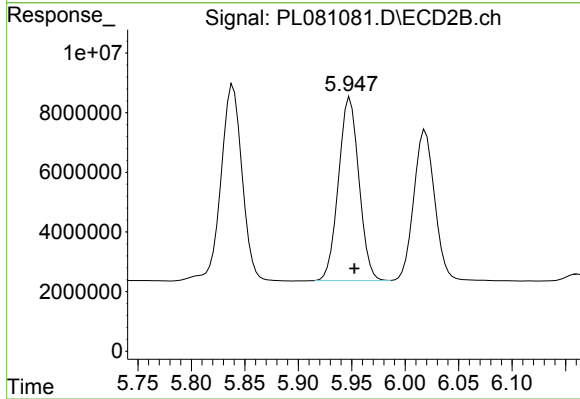
#17 4,4'-DDT

R.T.: 6.812 min  
Delta R.T.: -0.005 min  
Response: 86676877  
Conc: 38.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

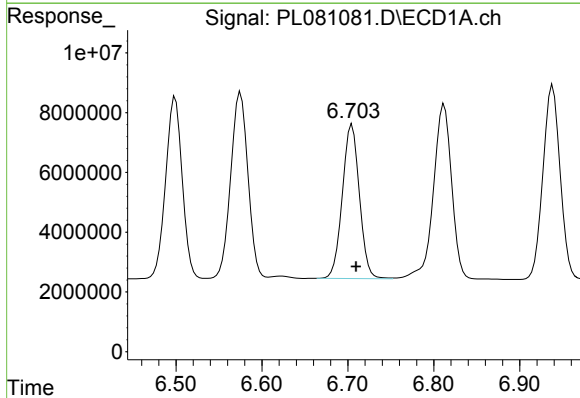
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



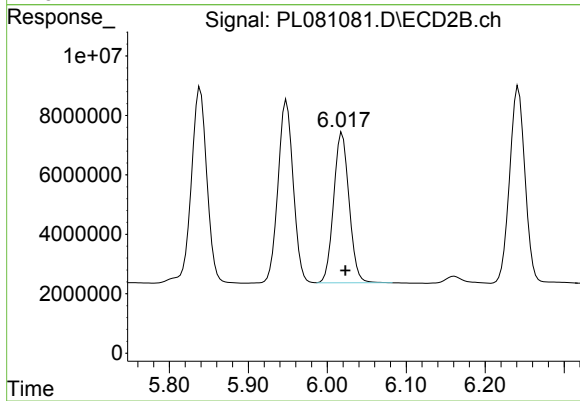
#17 4,4'-DDT

R.T.: 5.948 min  
Delta R.T.: -0.004 min  
Response: 81899024  
Conc: 37.77 ng/ml



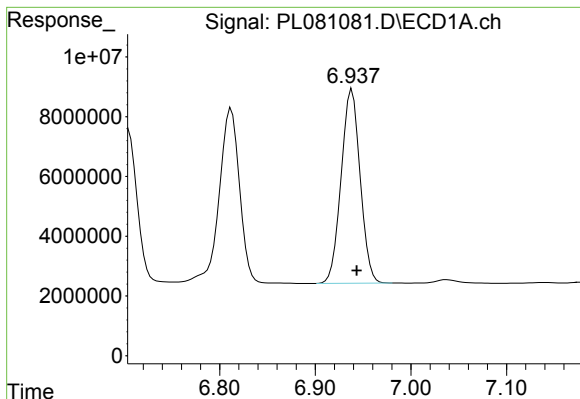
#18 Endrin aldehyde

R.T.: 6.705 min  
Delta R.T.: -0.005 min  
Response: 71229351  
Conc: 39.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.019 min  
Delta R.T.: -0.004 min  
Response: 68675982  
Conc: 37.22 ng/ml



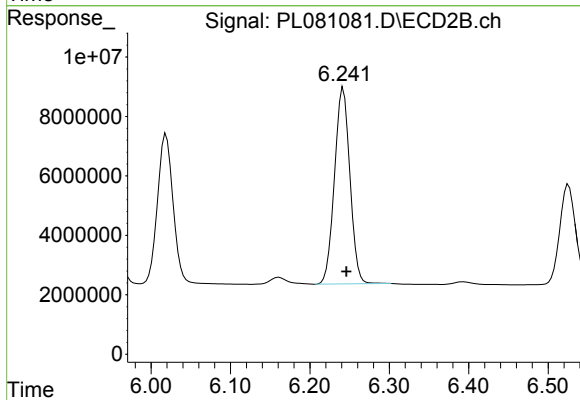
#19 Endosulfan Sulfate

R.T.: 6.938 min  
Delta R.T.: -0.005 min  
Response: 89759972  
Conc: 38.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

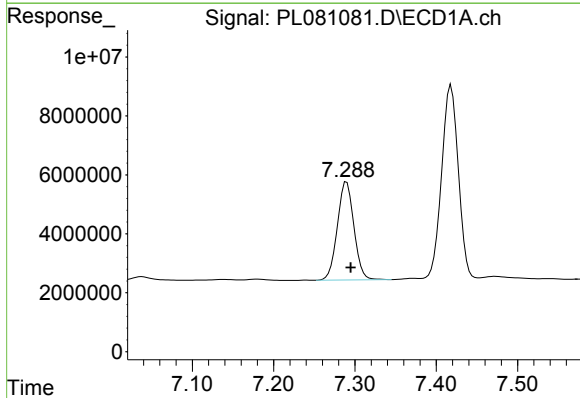
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



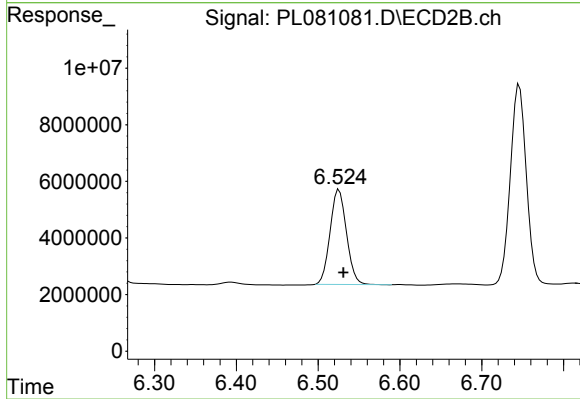
#19 Endosulfan Sulfate

R.T.: 6.242 min  
Delta R.T.: -0.004 min  
Response: 89048775  
Conc: 37.57 ng/ml



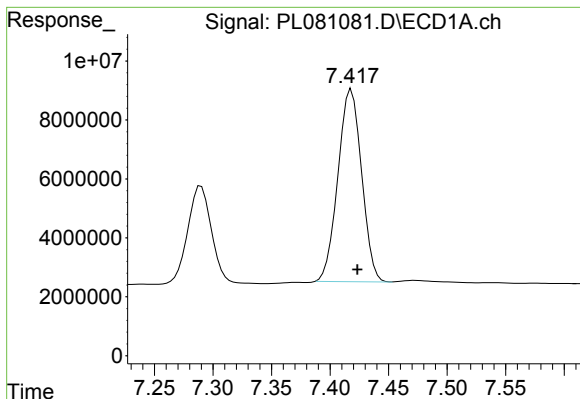
#20 Methoxychlor

R.T.: 7.290 min  
Delta R.T.: -0.005 min  
Response: 47134083  
Conc: 38.41 ng/ml



#20 Methoxychlor

R.T.: 6.526 min  
Delta R.T.: -0.005 min  
Response: 46779186  
Conc: 38.97 ng/ml



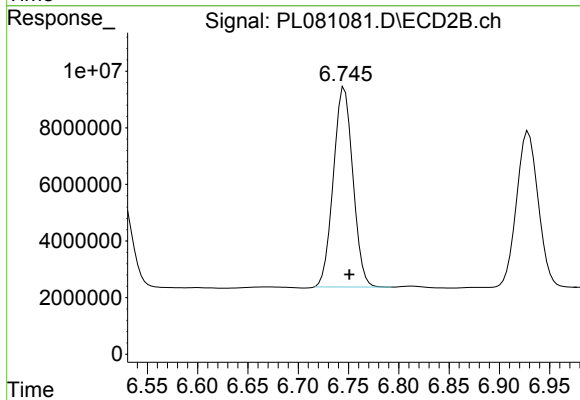
#21 Endrin ketone

R.T.: 7.418 min  
Delta R.T.: -0.005 min  
Response: 91868905  
Conc: 38.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

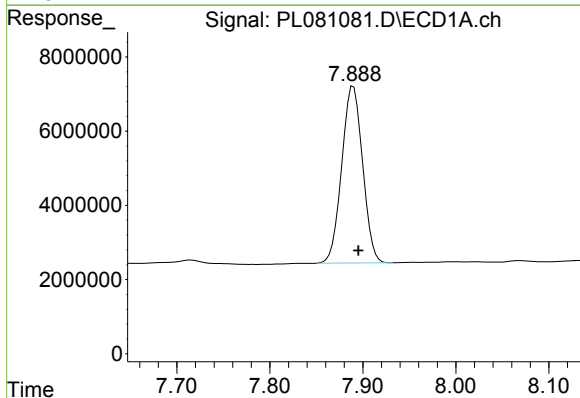
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



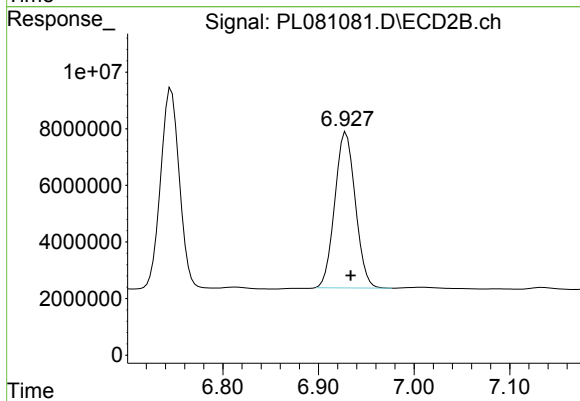
#21 Endrin ketone

R.T.: 6.746 min  
Delta R.T.: -0.005 min  
Response: 95191055  
Conc: 36.36 ng/ml



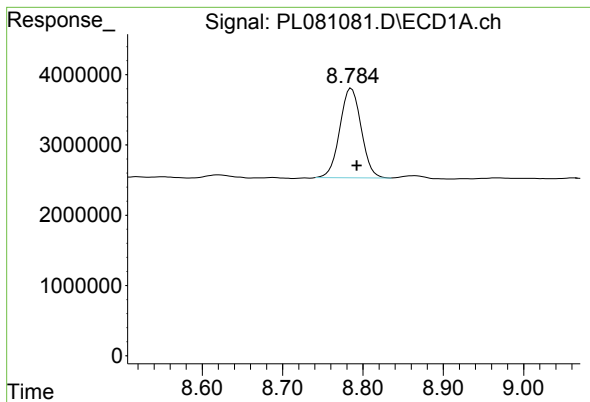
#22 Mirex

R.T.: 7.890 min  
Delta R.T.: -0.005 min  
Response: 74315793  
Conc: 39.72 ng/ml



#22 Mirex

R.T.: 6.929 min  
Delta R.T.: -0.005 min  
Response: 81993028  
Conc: 35.25 ng/ml



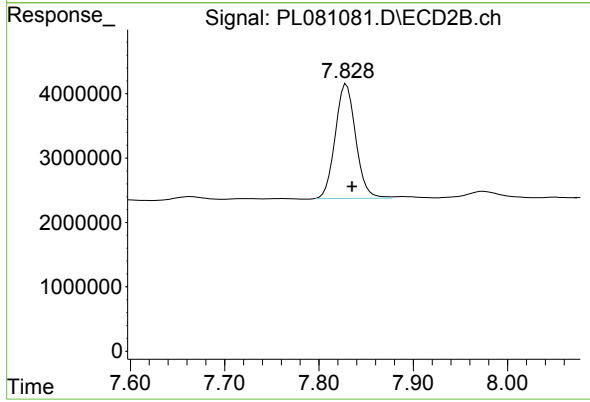
#28 Decachlorobiphenyl

R.T.: 8.786 min  
Delta R.T.: -0.006 min  
Response: 23544875  
Conc: 12.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TP-1MSD

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 02/23/2023  
Supervised By :Ankita Jodhani 02/23/2023



#28 Decachlorobiphenyl

R.T.: 7.829 min  
Delta R.T.: -0.006 min  
Response: 26817900  
Conc: 11.45 ng/ml