

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092023\  
 Data File : PL085452.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Sep 2023 20:47  
 Operator : AR\AJ  
 Sample : PB155708BS  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB155708BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 09/21/2023  
 Supervised By : Ankita Jodhani 09/21/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 21 00:32:36 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL091923.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Sep 20 10:25:09 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... | 3.412 | 2.650 | 57513199 | 26022553 | 17.269  | 17.106 |
| 28)                         | SA Decachlor... | 8.942 | 7.824 | 60935330 | 34706023 | 17.902  | 17.727 |
| Target Compounds            |                 |       |       |          |          |         |        |
| 2)                          | A alpha-BHC     | 3.868 | 3.153 | 281.2E6  | 131.9E6  | 57.050  | 56.602 |
| 3)                          | MA gamma-BHC... | 4.201 | 3.482 | 263.8E6  | 124.2E6  | 53.965  | 53.913 |
| 4)                          | MA Heptachlor   | 4.790 | 3.821 | 272.7E6  | 127.7E6  | 59.164  | 59.368 |
| 5)                          | MB Aldrin       | 5.132 | 4.100 | 260.0E6  | 125.4E6  | 53.707  | 53.587 |
| 6)                          | B beta-BHC      | 4.402 | 3.785 | 111.6E6  | 52613750 | 53.607  | 54.747 |
| 7)                          | B delta-BHC     | 4.647 | 4.012 | 265.5E6  | 128.8E6  | 55.652  | 55.791 |
| 8)                          | B Heptachlo...  | 5.561 | 4.606 | 233.6E6  | 114.5E6  | 54.452  | 55.377 |
| 9)                          | A Endosulfan I  | 5.947 | 4.975 | 224.3E6  | 110.6E6  | 54.418  | 54.087 |
| 10)                         | B gamma-Chl...  | 5.819 | 4.858 | 239.4E6  | 119.0E6  | 54.595  | 56.110 |
| 11)                         | B alpha-Chl...  | 5.899 | 4.922 | 235.4E6  | 118.3E6  | 53.552  | 54.333 |
| 12)                         | B 4,4'-DDE      | 6.081 | 5.122 | 220.0E6  | 113.3E6  | 55.134  | 55.968 |
| 13)                         | MA Dieldrin     | 6.224 | 5.242 | 230.0E6  | 118.7E6  | 53.033  | 54.261 |
| 14)                         | MA Endrin       | 6.454 | 5.516 | 199.5E6  | 107.7E6  | 55.592  | 57.487 |
| 15)                         | B Endosulfa...  | 6.676 | 5.815 | 192.4E6  | 100.8E6  | 48.639  | 51.380 |
| 16)                         | A 4,4'-DDD      | 6.601 | 5.680 | 178.8E6  | 96205373 | 54.862  | 55.931 |
| 17)                         | MA 4,4'-DDT     | 6.917 | 5.931 | 193.4E6  | 102.8E6  | 53.857  | 56.424 |
| 18)                         | B Endrin al...  | 6.806 | 5.997 | 150.2E6  | 81949142 | 51.577m | 51.722 |
| 19)                         | B Endosulfa...  | 7.044 | 6.222 | 194.1E6  | 102.5E6  | 53.094  | 54.493 |
| 20)                         | A Methoxychlor  | 7.402 | 6.517 | 107.6E6  | 55465825 | 49.077  | 52.288 |
| 21)                         | B Endrin ke...  | 7.528 | 6.725 | 208.5E6  | 125.8E6  | 51.363  | 50.382 |
| 22)                         | Mirex           | 8.002 | 6.904 | 158.4E6  | 92212346 | 49.835  | 50.721 |
| -----                       |                 |       |       |          |          |         |        |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL092023\  
Data File : PL085452.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Sep 2023 20:47  
Operator : AR\AJ  
Sample : PB155708BS  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

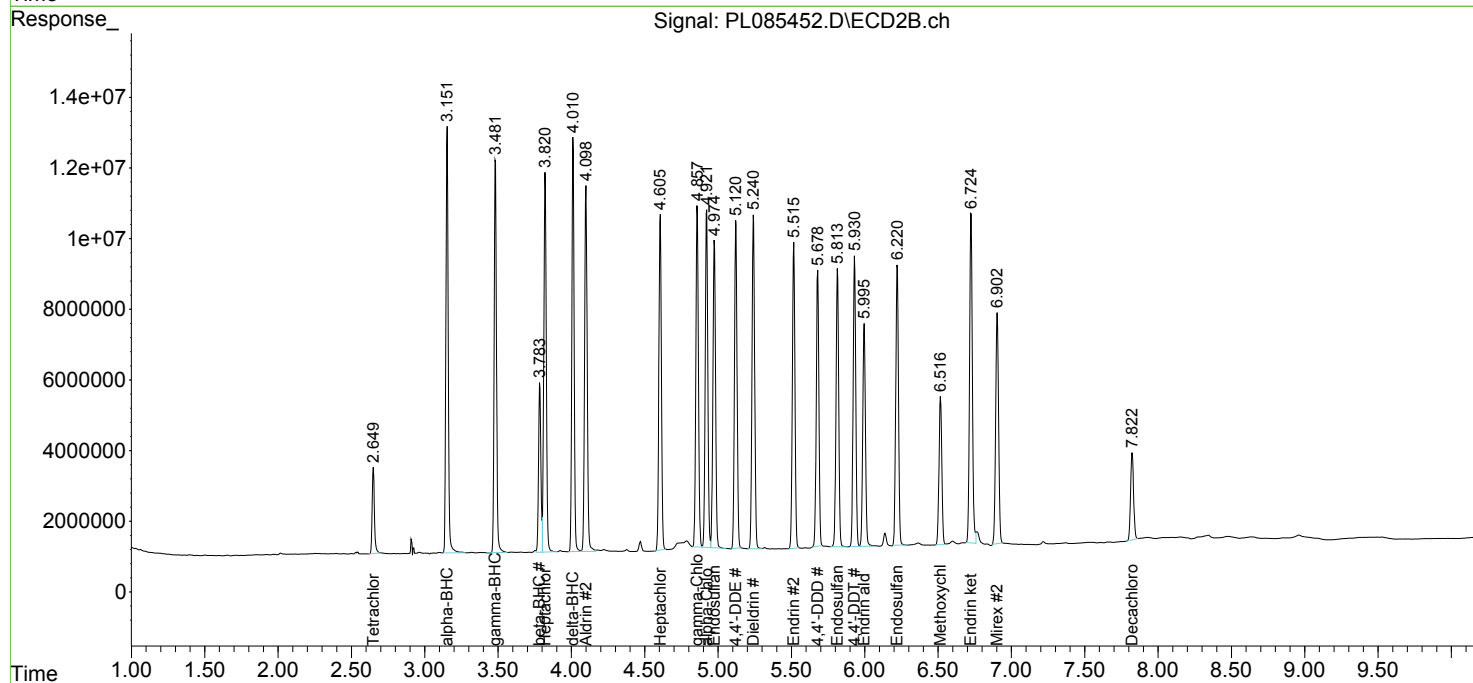
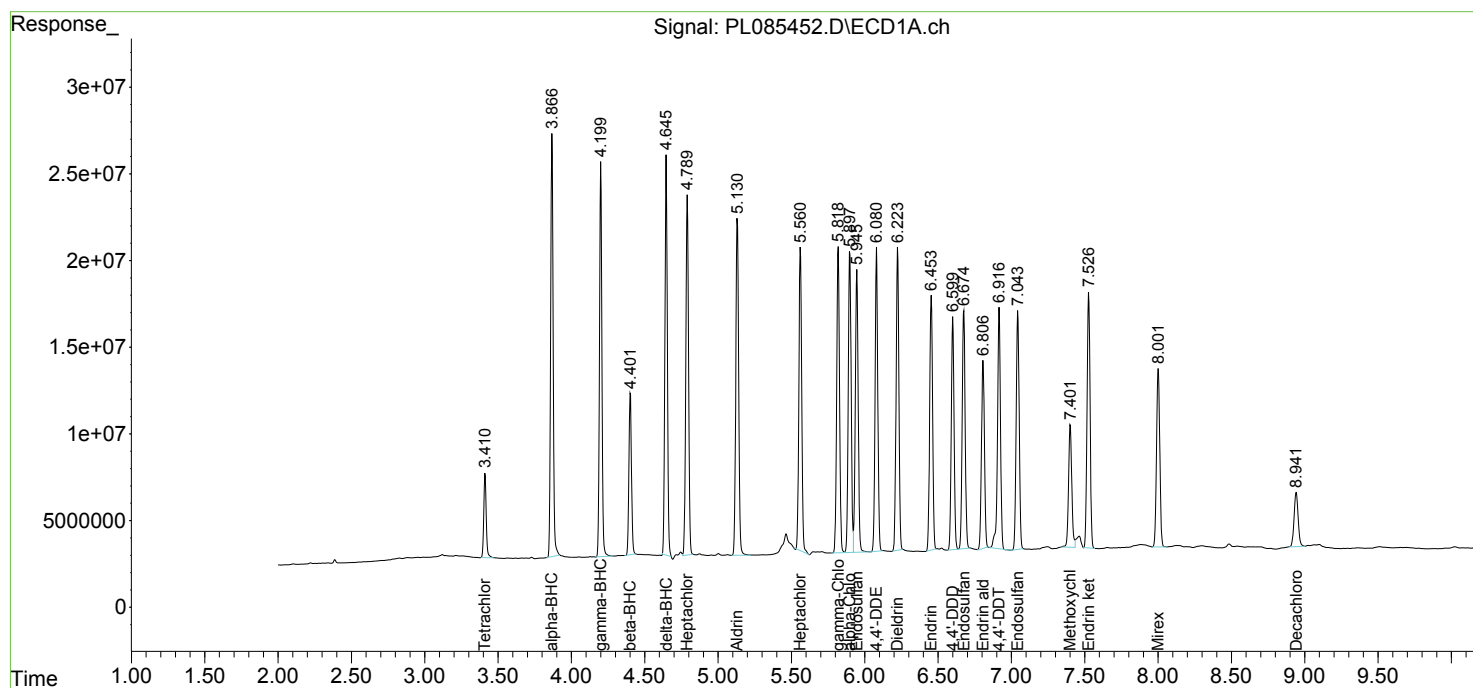
Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

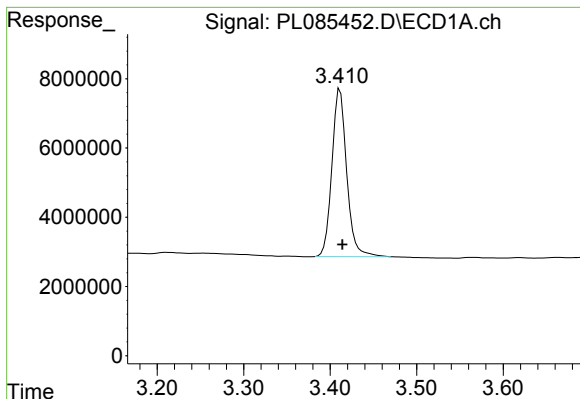
Manual Integrations  
APPROVED

Reviewed By : Abdul Mirza 09/21/2023  
Supervised By : Ankita Jodhani 09/21/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Sep 21 00:32:36 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL091923.M  
Quant Title : GC Extractables  
QLast Update : Wed Sep 20 10:25:09 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





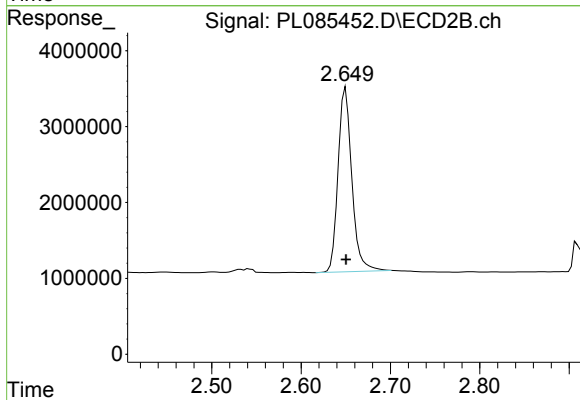
#1 Tetrachloro-m-xylene

R.T.: 3.412 min  
Delta R.T.: -0.002 min  
Response: 57513199  
Conc: 17.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

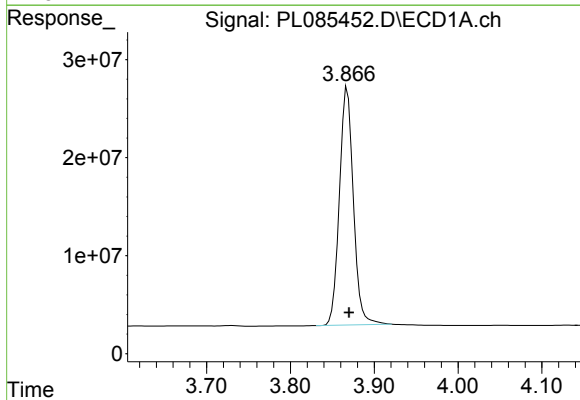
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



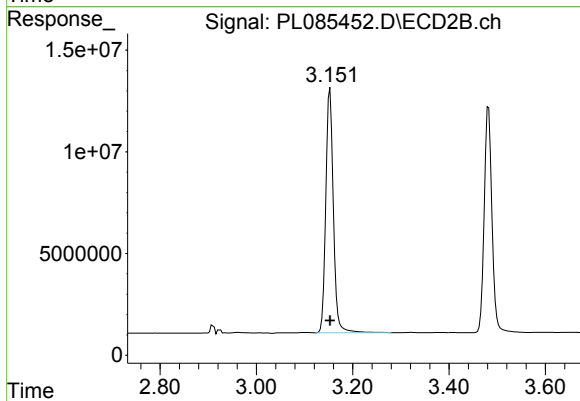
#1 Tetrachloro-m-xylene

R.T.: 2.650 min  
Delta R.T.: 0.000 min  
Response: 26022553  
Conc: 17.11 ng/ml



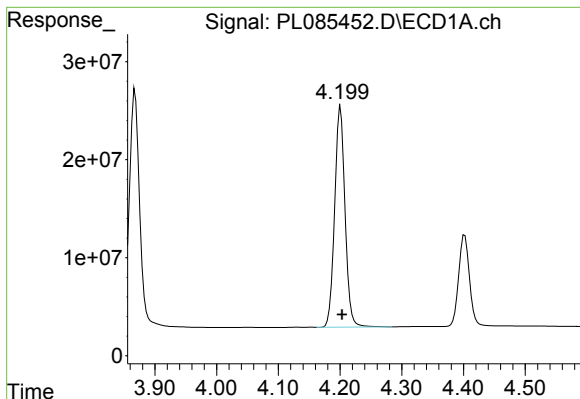
#2 alpha-BHC

R.T.: 3.868 min  
Delta R.T.: -0.002 min  
Response: 281152461  
Conc: 57.05 ng/ml



#2 alpha-BHC

R.T.: 3.153 min  
Delta R.T.: 0.000 min  
Response: 131886465  
Conc: 56.60 ng/ml



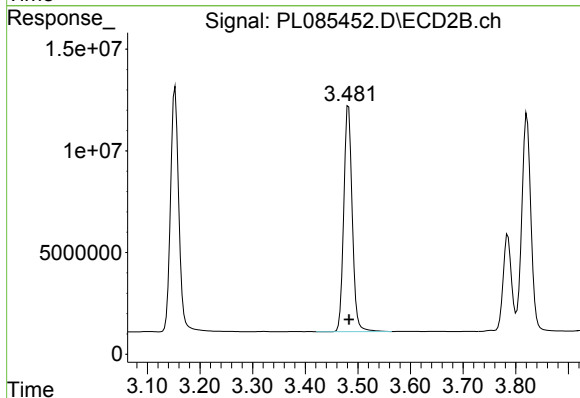
#3 gamma-BHC (Lindane)

R.T.: 4.201 min  
Delta R.T.: -0.002 min  
Response: 263774958  
Conc: 53.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

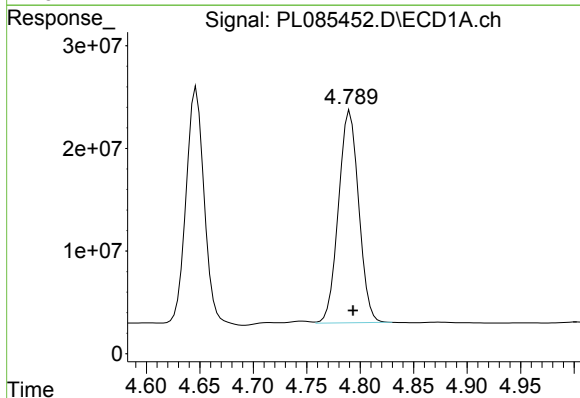
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



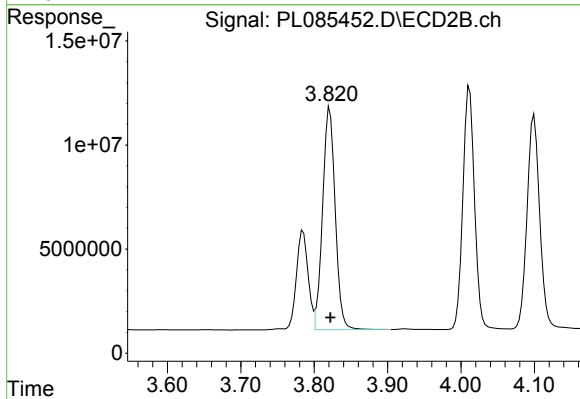
#3 gamma-BHC (Lindane)

R.T.: 3.482 min  
Delta R.T.: -0.001 min  
Response: 124191174  
Conc: 53.91 ng/ml



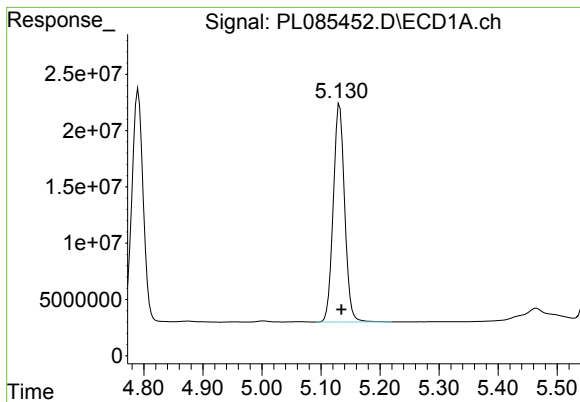
#4 Heptachlor

R.T.: 4.790 min  
Delta R.T.: -0.003 min  
Response: 272693250  
Conc: 59.16 ng/ml



#4 Heptachlor

R.T.: 3.821 min  
Delta R.T.: 0.000 min  
Response: 127676872  
Conc: 59.37 ng/ml



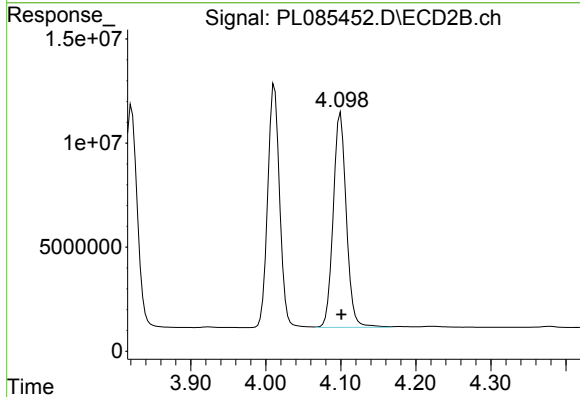
#5 Aldrin

R.T.: 5.132 min  
Delta R.T.: -0.003 min  
Response: 259982447  
Conc: 53.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

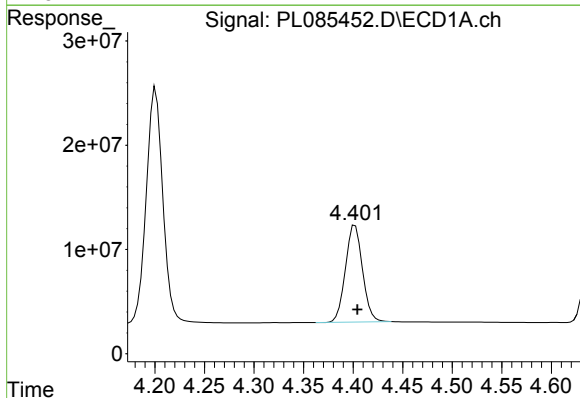
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



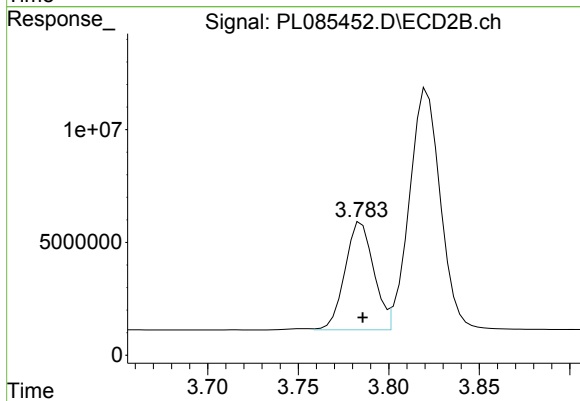
#5 Aldrin

R.T.: 4.100 min  
Delta R.T.: 0.000 min  
Response: 125351676  
Conc: 53.59 ng/ml



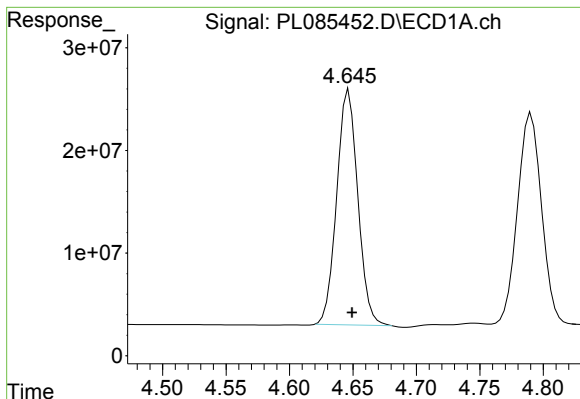
#6 beta-BHC

R.T.: 4.402 min  
Delta R.T.: -0.002 min  
Response: 111625914  
Conc: 53.61 ng/ml



#6 beta-BHC

R.T.: 3.785 min  
Delta R.T.: 0.000 min  
Response: 52613750  
Conc: 54.75 ng/ml



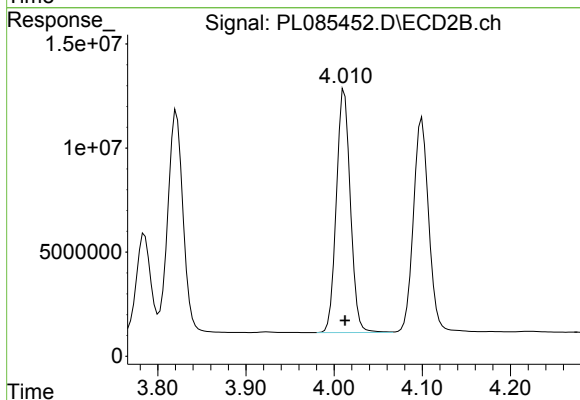
#7 delta-BHC

R.T.: 4.647 min  
Delta R.T.: -0.003 min  
Response: 265452619  
Conc: 55.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

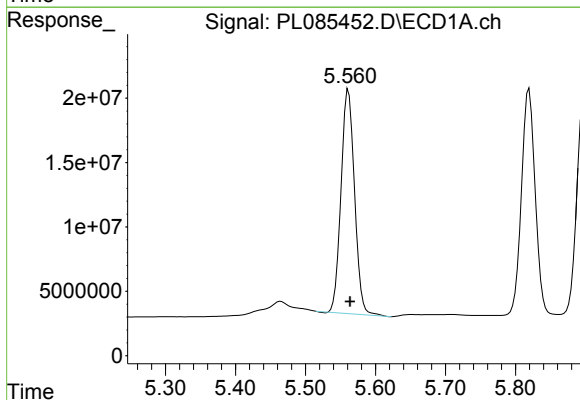
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



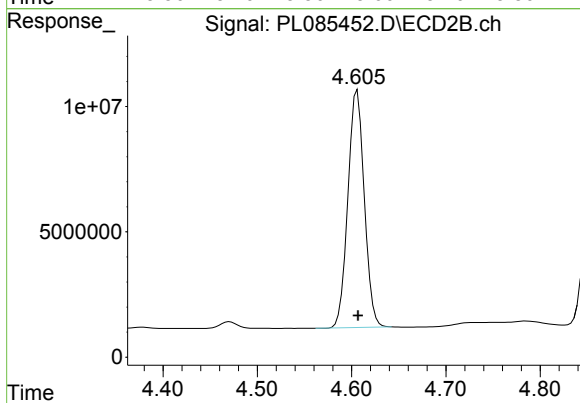
#7 delta-BHC

R.T.: 4.012 min  
Delta R.T.: 0.000 min  
Response: 128828605  
Conc: 55.79 ng/ml



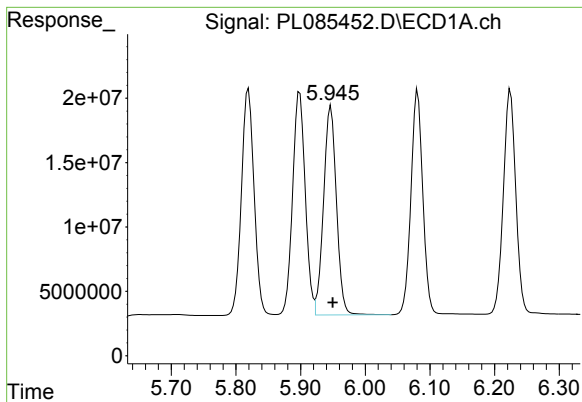
#8 Heptachlor epoxide

R.T.: 5.561 min  
Delta R.T.: -0.002 min  
Response: 233646955  
Conc: 54.45 ng/ml



#8 Heptachlor epoxide

R.T.: 4.606 min  
Delta R.T.: -0.001 min  
Response: 114495824  
Conc: 55.38 ng/ml



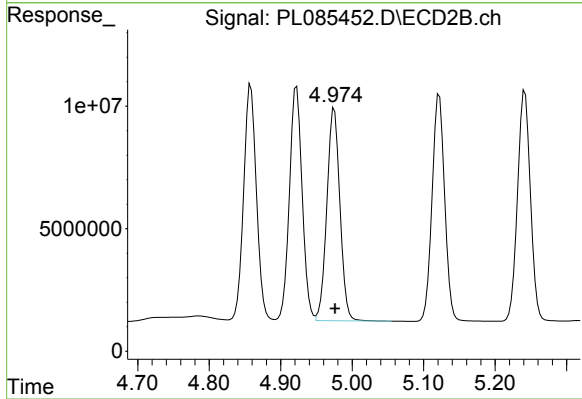
#9 Endosulfan I

R.T.: 5.947 min  
Delta R.T.: -0.003 min  
Response: 224308761  
Conc: 54.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

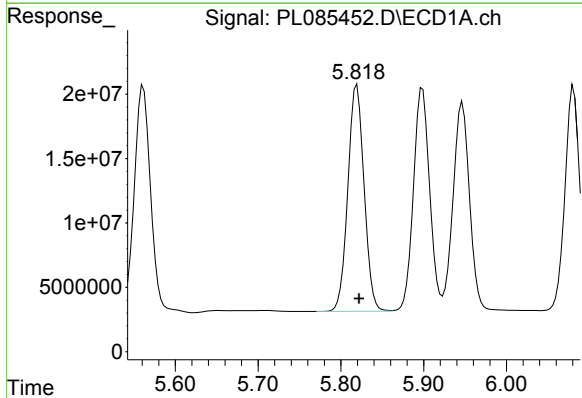
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



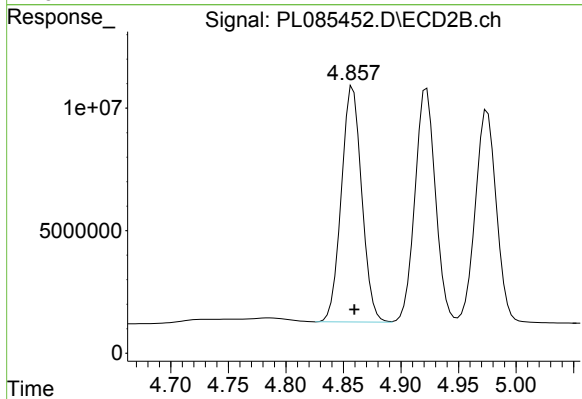
#9 Endosulfan I

R.T.: 4.975 min  
Delta R.T.: -0.001 min  
Response: 110566784  
Conc: 54.09 ng/ml



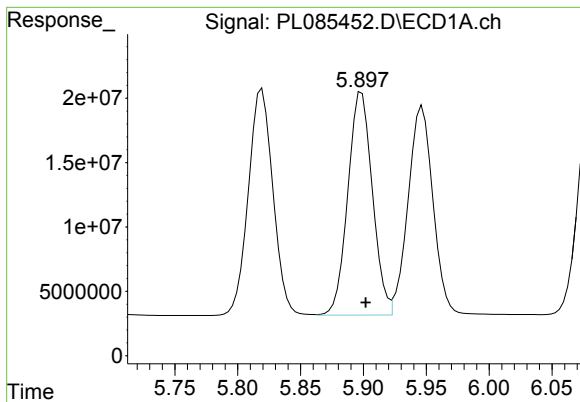
#10 gamma-Chlordane

R.T.: 5.819 min  
Delta R.T.: -0.002 min  
Response: 239446502  
Conc: 54.60 ng/ml



#10 gamma-Chlordane

R.T.: 4.858 min  
Delta R.T.: -0.002 min  
Response: 118996693  
Conc: 56.11 ng/ml



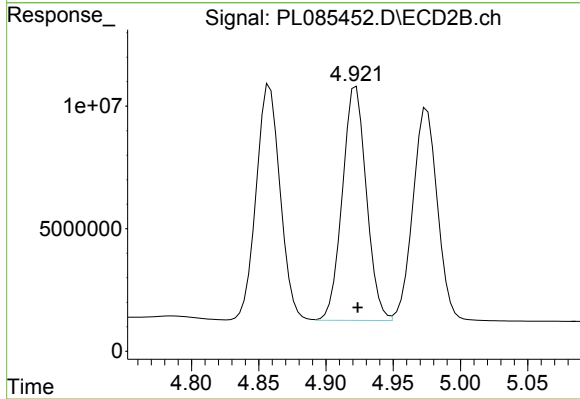
#11 alpha-Chlordane

R.T.: 5.899 min  
Delta R.T.: -0.003 min  
Response: 235406358  
Conc: 53.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

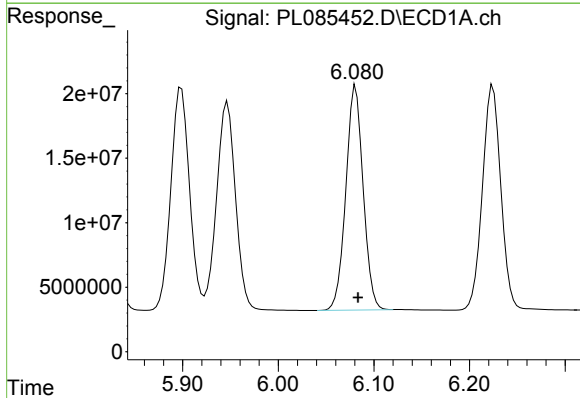
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



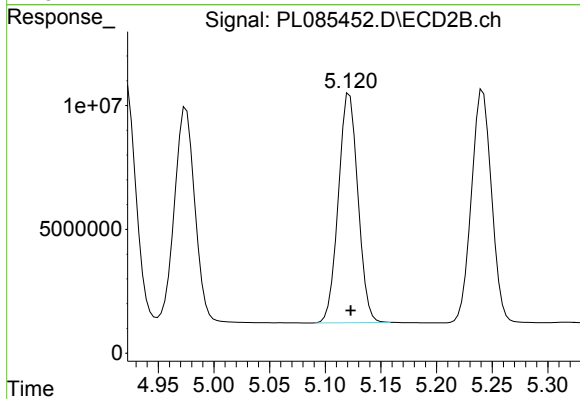
#11 alpha-Chlordane

R.T.: 4.922 min  
Delta R.T.: -0.001 min  
Response: 118274632  
Conc: 54.33 ng/ml



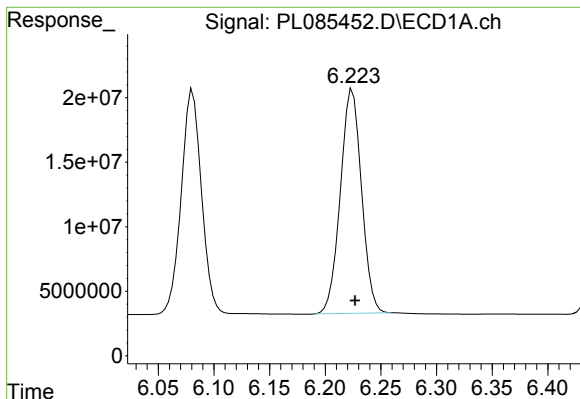
#12 4,4'-DDE

R.T.: 6.081 min  
Delta R.T.: -0.003 min  
Response: 219958719  
Conc: 55.13 ng/ml



#12 4,4'-DDE

R.T.: 5.122 min  
Delta R.T.: -0.001 min  
Response: 113283812  
Conc: 55.97 ng/ml



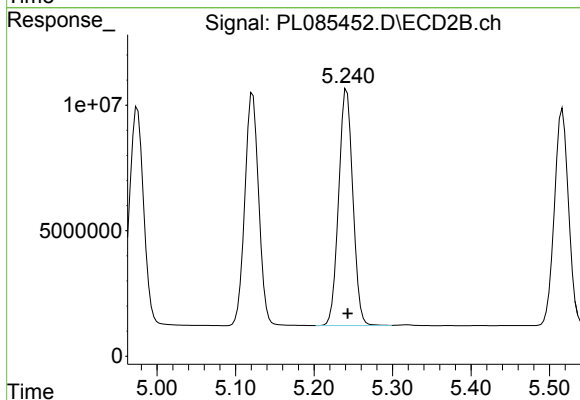
#13 Dieldrin

R.T.: 6.224 min  
Delta R.T.: -0.002 min  
Response: 230043270  
Conc: 53.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

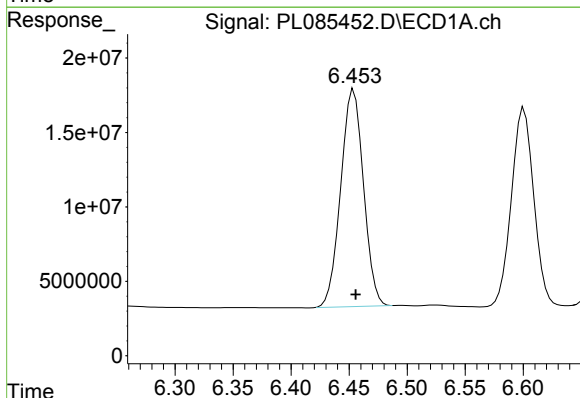
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



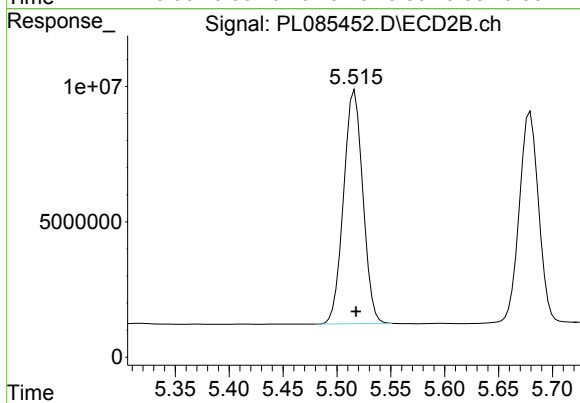
#13 Dieldrin

R.T.: 5.242 min  
Delta R.T.: -0.001 min  
Response: 118676266  
Conc: 54.26 ng/ml



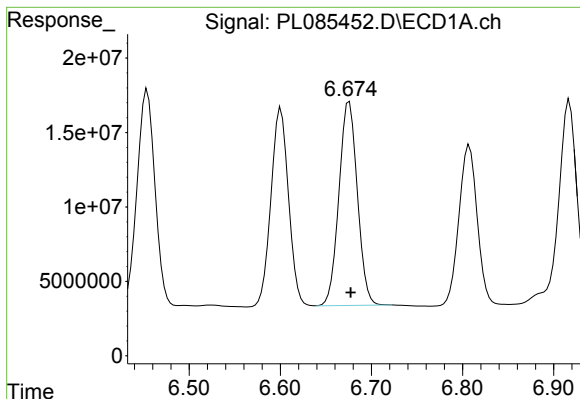
#14 Endrin

R.T.: 6.454 min  
Delta R.T.: -0.002 min  
Response: 199468541  
Conc: 55.59 ng/ml



#14 Endrin

R.T.: 5.516 min  
Delta R.T.: -0.001 min  
Response: 107691376  
Conc: 57.49 ng/ml



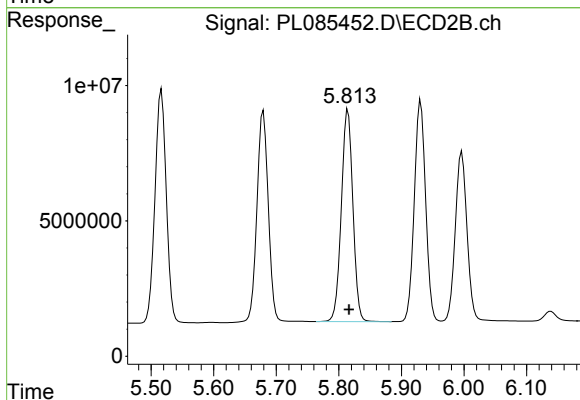
#15 Endosulfan II

R.T.: 6.676 min  
Delta R.T.: -0.001 min  
Response: 192444198  
Conc: 48.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

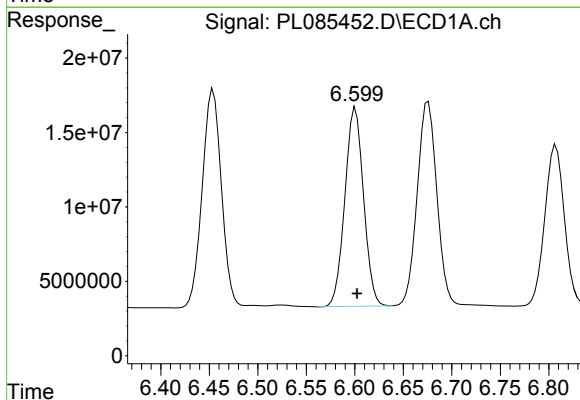
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



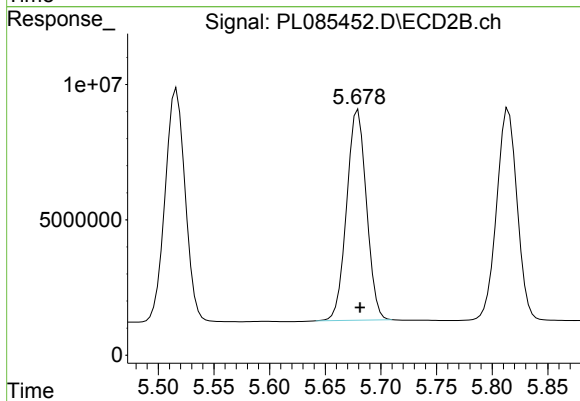
#15 Endosulfan II

R.T.: 5.815 min  
Delta R.T.: -0.002 min  
Response: 100753326  
Conc: 51.38 ng/ml



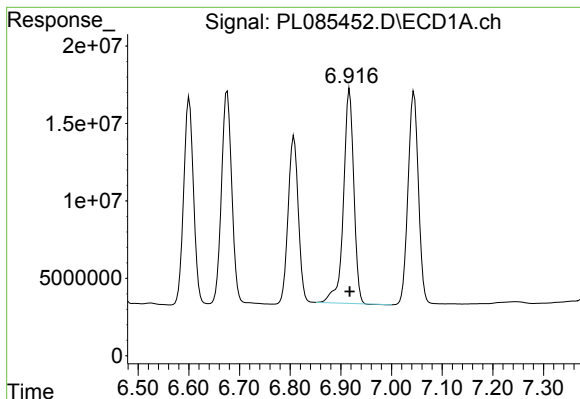
#16 4,4'-DDD

R.T.: 6.601 min  
Delta R.T.: -0.001 min  
Response: 178757895  
Conc: 54.86 ng/ml



#16 4,4'-DDD

R.T.: 5.680 min  
Delta R.T.: -0.002 min  
Response: 96205373  
Conc: 55.93 ng/ml



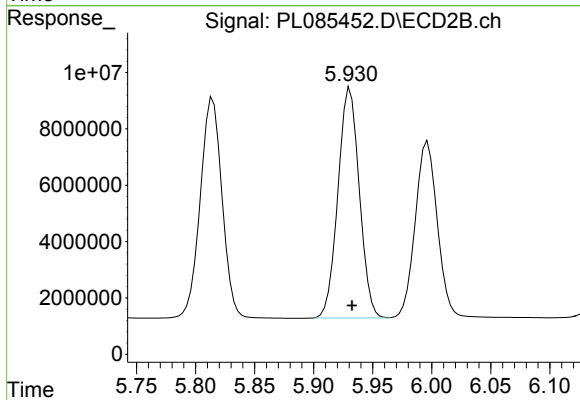
#17 4,4'-DDT

R.T.: 6.917 min  
Delta R.T.: 0.000 min  
Response: 193352335  
Conc: 53.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

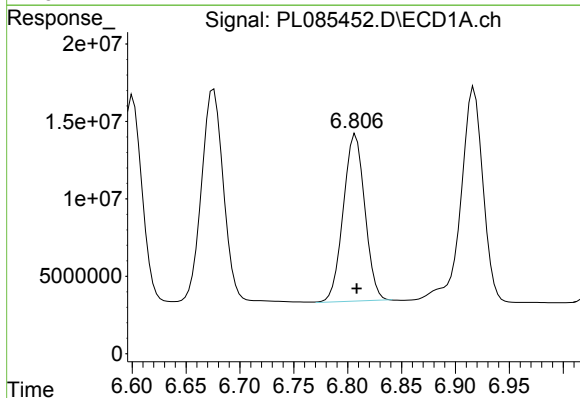
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



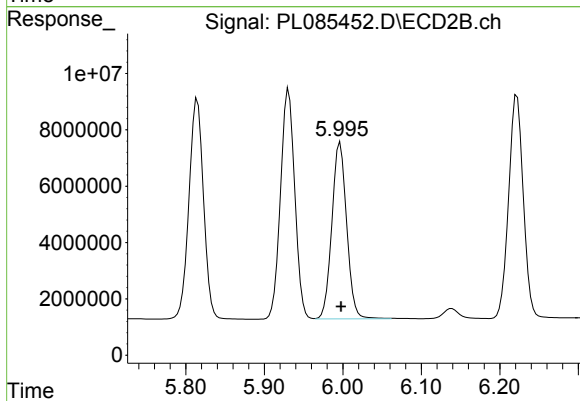
#17 4,4'-DDT

R.T.: 5.931 min  
Delta R.T.: -0.002 min  
Response: 102806186  
Conc: 56.42 ng/ml



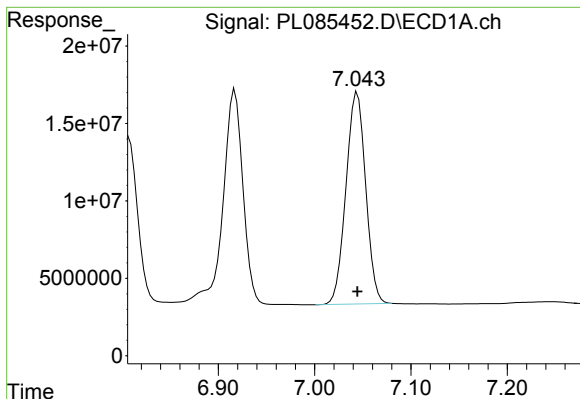
#18 Endrin aldehyde

R.T.: 6.806 min  
Delta R.T.: -0.002 min  
Response: 150212887  
Conc: 51.58 ng/ml m



#18 Endrin aldehyde

R.T.: 5.997 min  
Delta R.T.: -0.001 min  
Response: 81949142  
Conc: 51.72 ng/ml



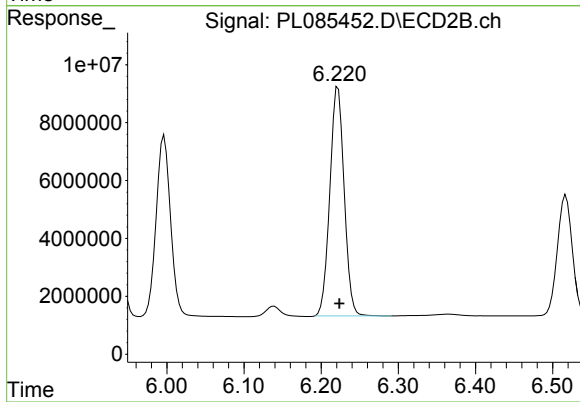
#19 Endosulfan Sulfate

R.T.: 7.044 min  
Delta R.T.: 0.000 min  
Response: 194130370  
Conc: 53.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

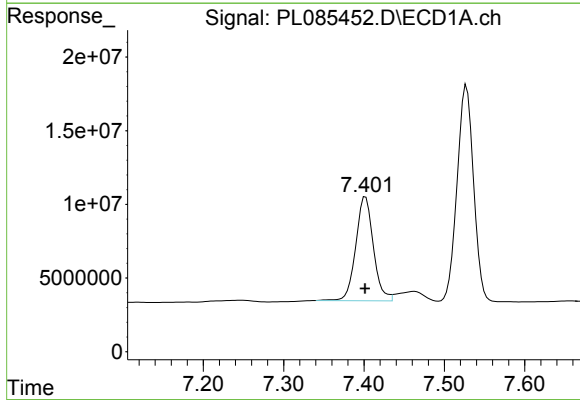
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



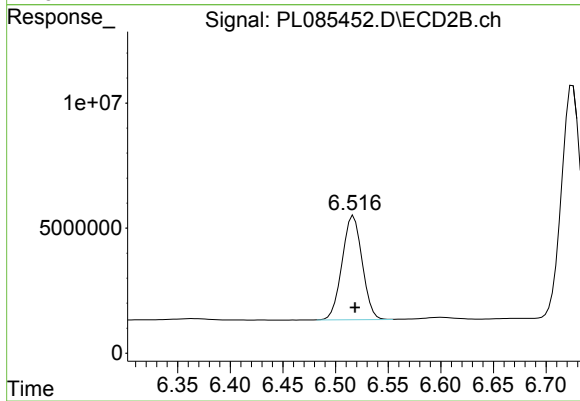
#19 Endosulfan Sulfate

R.T.: 6.222 min  
Delta R.T.: -0.002 min  
Response: 102484134  
Conc: 54.49 ng/ml



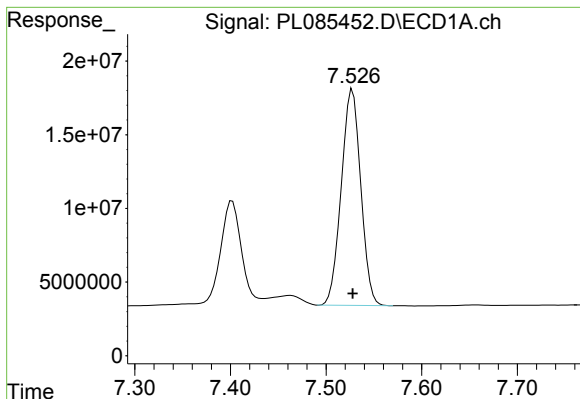
#20 Methoxychlor

R.T.: 7.402 min  
Delta R.T.: 0.000 min  
Response: 107555331  
Conc: 49.08 ng/ml



#20 Methoxychlor

R.T.: 6.517 min  
Delta R.T.: -0.001 min  
Response: 55465825  
Conc: 52.29 ng/ml



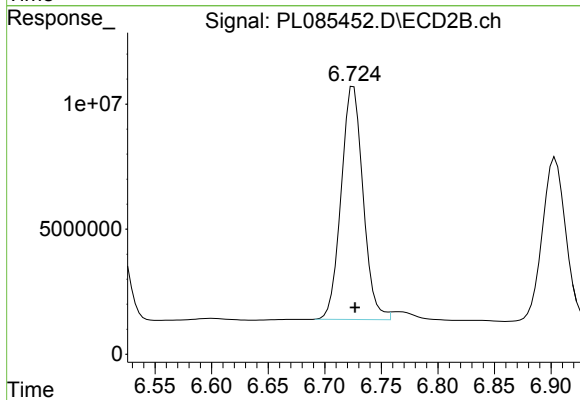
#21 Endrin ketone

R.T.: 7.528 min  
Delta R.T.: 0.000 min  
Response: 208501754  
Conc: 51.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB155708BS

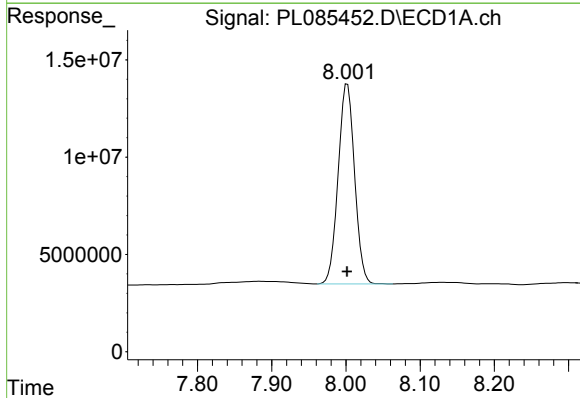
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 09/21/2023  
Supervised By :Ankita Jodhani 09/21/2023



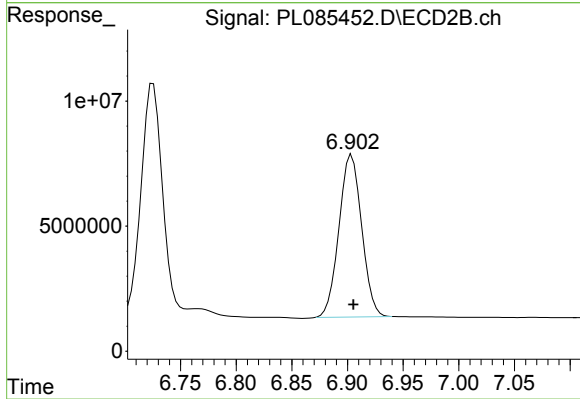
#21 Endrin ketone

R.T.: 6.725 min  
Delta R.T.: -0.001 min  
Response: 125803797  
Conc: 50.38 ng/ml



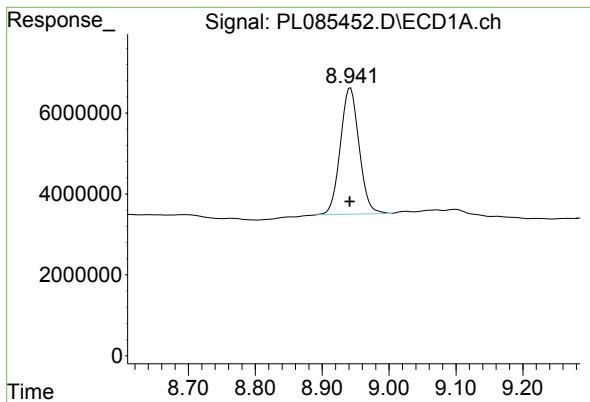
#22 Mirex

R.T.: 8.002 min  
Delta R.T.: 0.000 min  
Response: 158423771  
Conc: 49.84 ng/ml



#22 Mirex

R.T.: 6.904 min  
Delta R.T.: -0.002 min  
Response: 92212346  
Conc: 50.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.942 min  
Delta R.T.: 0.000 min  
Response: 60935330  
Conc: 17.90 ng/ml

Instrument :

ECD\_L

ClientSampleId :

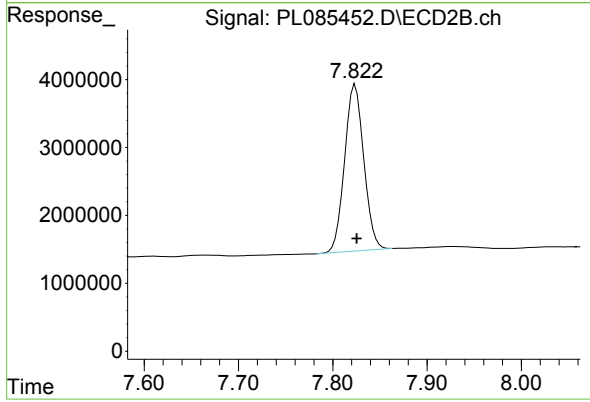
PB155708BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/21/2023

Supervised By :Ankita Jodhani 09/21/2023



#28 Decachlorobiphenyl

R.T.: 7.824 min  
Delta R.T.: -0.002 min  
Response: 34706023  
Conc: 17.73 ng/ml