

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL041023\  
 Data File : PL081982.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 11 Apr 2023 00:11  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 04/11/2023  
 Supervised By : Ankita Jodhani 04/11/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 11 06:48:59 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032223.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Mar 23 01:07:33 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... | 3.326 | 2.653 | 126.2E6  | 113.6E6  | 54.273  | 56.926  |
| 28)                         | SA Decachlor... | 8.744 | 7.765 | 95081627 | 108.9E6  | 53.129  | 54.904m |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.775 | 3.151 | 197.3E6  | 166.9E6  | 57.559  | 57.271  |
| 3)                          | MA gamma-BHC... | 4.101 | 3.478 | 180.3E6  | 155.6E6  | 56.762m | 55.870  |
| 4)                          | MA Heptachlor   | 4.680 | 3.811 | 174.4E6  | 159.2E6  | 55.322m | 55.543  |
| 5)                          | MB Aldrin       | 5.018 | 4.089 | 159.0E6  | 146.1E6  | 55.573  | 54.846  |
| 6)                          | B beta-BHC      | 4.305 | 3.777 | 77219846 | 66361862 | 51.306  | 55.720  |
| 7)                          | B delta-BHC     | 4.547 | 4.004 | 173.1E6  | 149.1E6  | 56.968  | 57.664  |
| 8)                          | B Heptachlo...  | 5.444 | 4.590 | 147.6E6  | 135.2E6  | 54.258  | 55.652  |
| 9)                          | A Endosulfan I  | 5.825 | 4.957 | 132.3E6  | 123.9E6  | 53.564  | 56.139  |
| 10)                         | B gamma-Chl...  | 5.699 | 4.839 | 144.6E6  | 135.5E6  | 55.086  | 55.734  |
| 11)                         | B alpha-Chl...  | 5.776 | 4.902 | 141.9E6  | 134.9E6  | 54.813  | 55.546  |
| 12)                         | B 4,4'-DDE      | 5.955 | 5.092 | 123.9E6  | 112.8E6  | 54.965  | 57.274  |
| 13)                         | MA Dieldrin     | 6.099 | 5.222 | 130.1E6  | 126.3E6  | 53.754  | 56.129  |
| 14)                         | MA Endrin       | 6.326 | 5.496 | 113.8E6  | 114.0E6  | 53.782  | 56.317  |
| 15)                         | B Endosulfa...  | 6.548 | 5.791 | 109.4E6  | 104.9E6  | 51.565  | 57.808m |
| 16)                         | A 4,4'-DDD      | 6.470 | 5.647 | 98386085 | 88652911 | 54.553  | 58.419  |
| 17)                         | MA 4,4'-DDT     | 6.781 | 5.895 | 107.1E6  | 97811781 | 52.745  | 56.759  |
| 18)                         | B Endrin al...  | 6.678 | 5.972 | 86361115 | 85039951 | 52.784  | 54.759  |
| 19)                         | B Endosulfa...  | 6.912 | 6.193 | 112.5E6  | 108.3E6  | 53.990  | 55.652m |
| 20)                         | A Methoxychlor  | 7.261 | 6.473 | 56268090 | 55336568 | 52.250  | 55.557m |
| 21)                         | B Endrin ke...  | 7.391 | 6.699 | 116.0E6  | 119.6E6  | 55.387  | 55.965  |
| 22)                         | Mirex           | 7.854 | 6.871 | 92005477 | 105.0E6  | 53.702m | 54.714m |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL041023\  
Data File : PL081982.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 11 Apr 2023 00:11  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

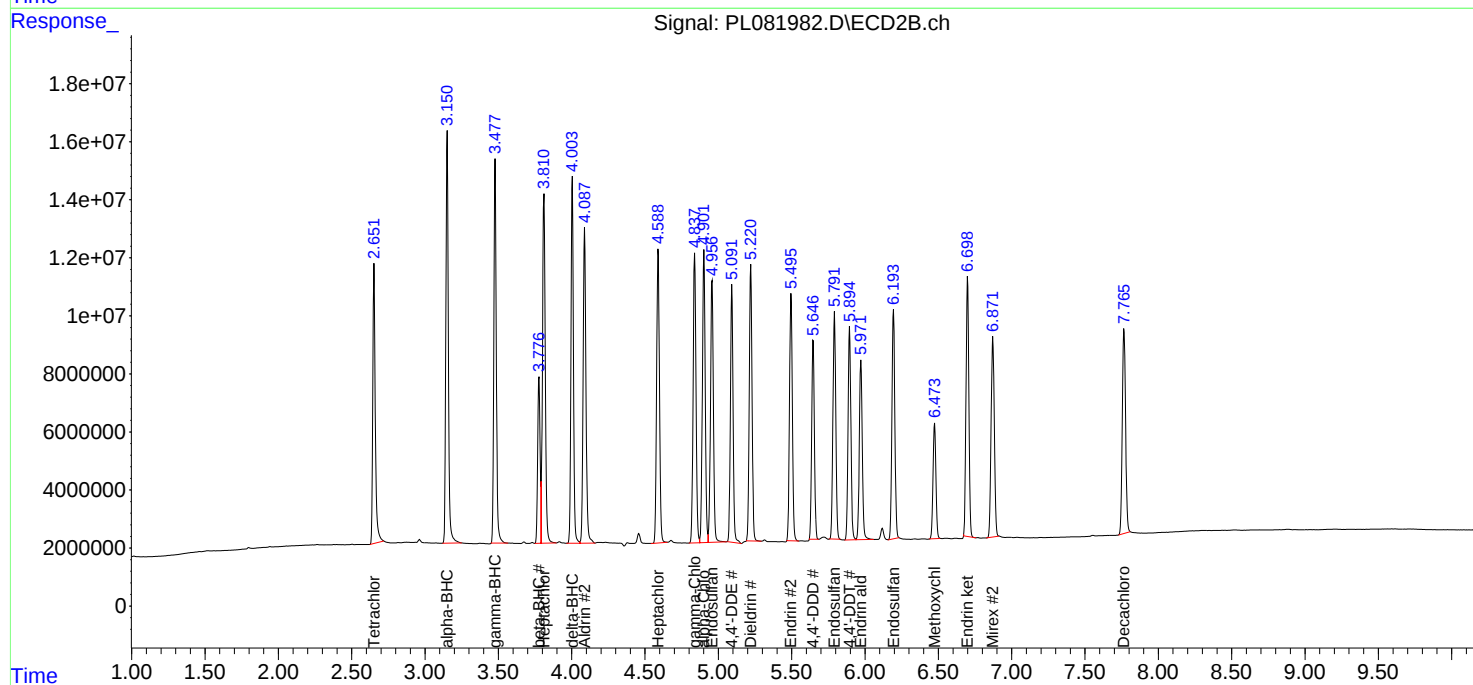
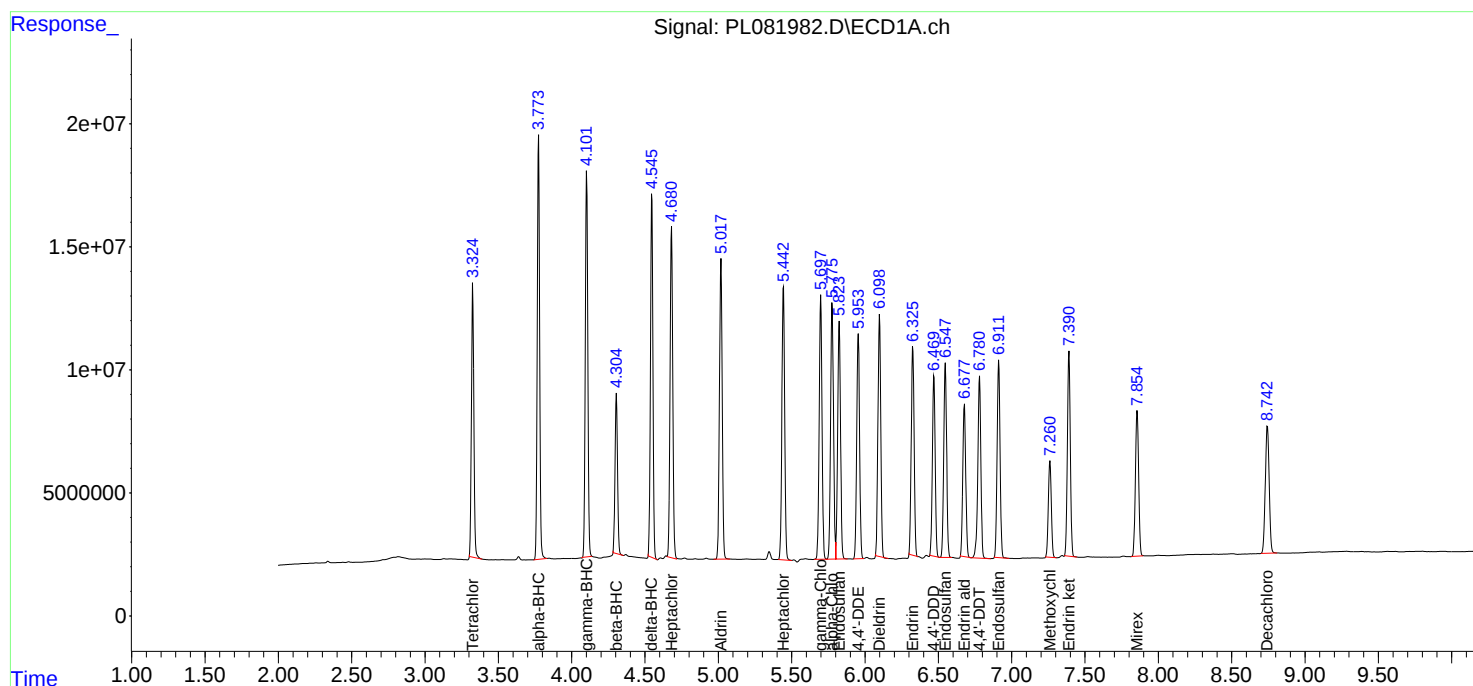
## APPROVED

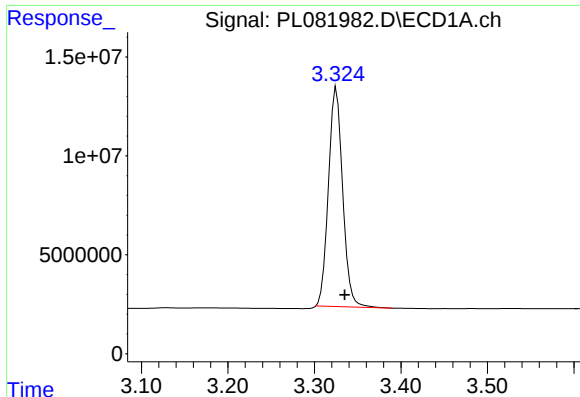
Reviewed By :Abdul Mirza 04/11/2023

Supervised By :Ankita Jodhani 04/11/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 11 06:48:59 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032223.M  
Quant Title : GC Extractables  
QLast Update : Thu Mar 23 01:07:33 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





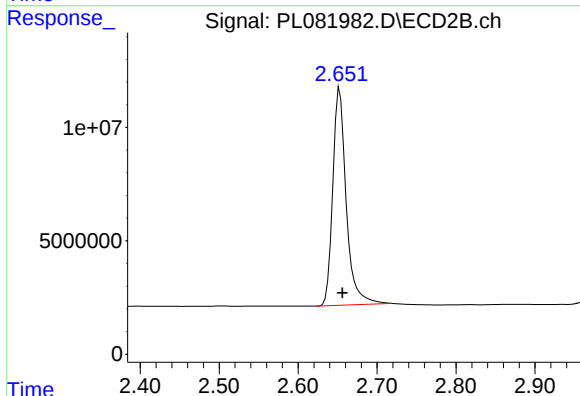
#1 Tetrachloro-m-xylene

R.T.: 3.326 min  
Delta R.T.: -0.009 min  
Response: 126233791  
Conc: 54.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

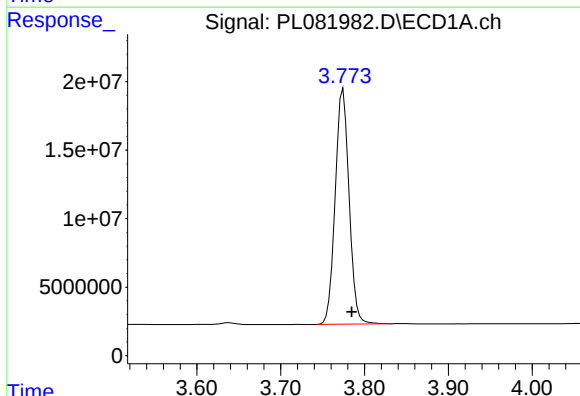
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



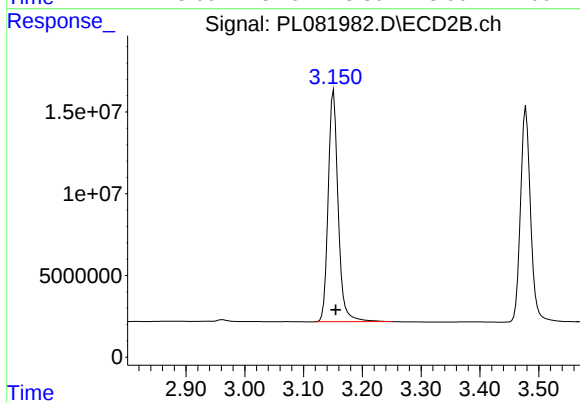
#1 Tetrachloro-m-xylene

R.T.: 2.653 min  
Delta R.T.: -0.003 min  
Response: 113633845  
Conc: 56.93 ng/ml



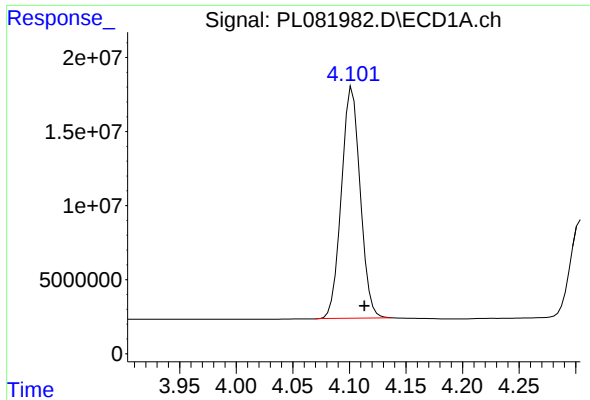
#2 alpha-BHC

R.T.: 3.775 min  
Delta R.T.: -0.010 min  
Response: 197335881  
Conc: 57.56 ng/ml



#2 alpha-BHC

R.T.: 3.151 min  
Delta R.T.: -0.003 min  
Response: 166945136  
Conc: 57.27 ng/ml



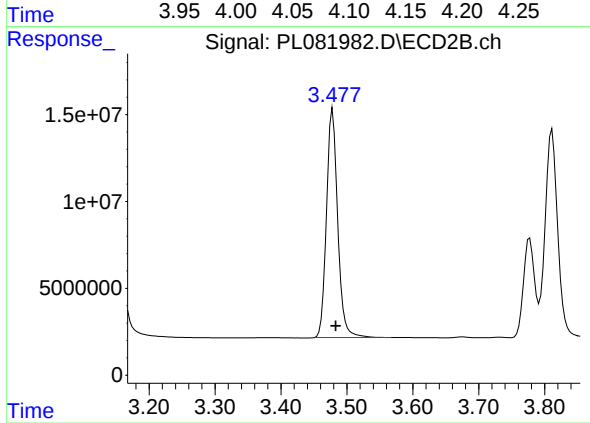
#3 gamma-BHC (Lindane)

R.T.: 4.101 min  
Delta R.T.: -0.012 min  
Response: 180322652  
Conc: 56.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

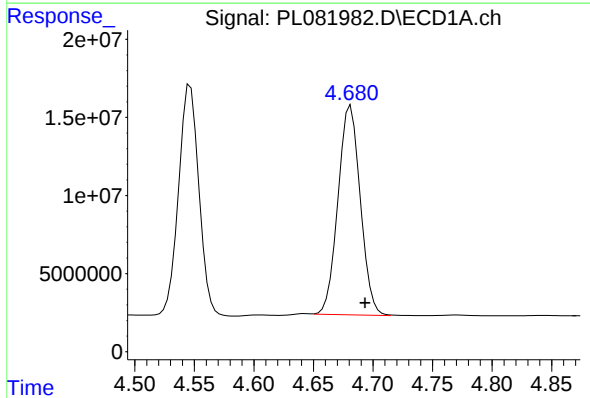
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



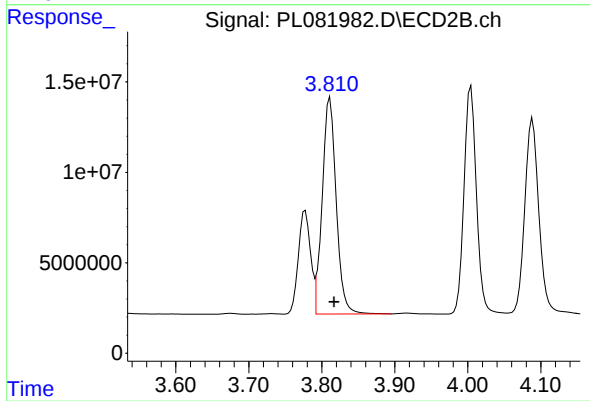
#3 gamma-BHC (Lindane)

R.T.: 3.478 min  
Delta R.T.: -0.005 min  
Response: 155553275  
Conc: 55.87 ng/ml



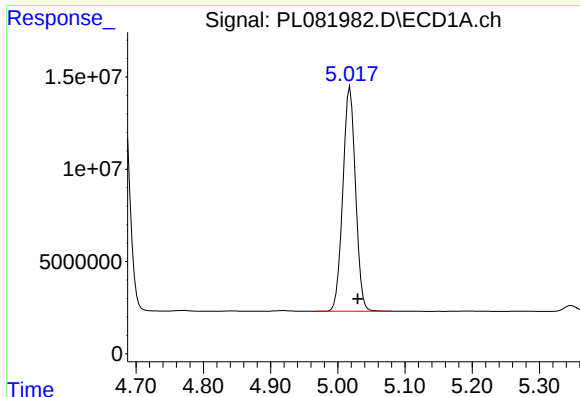
#4 Heptachlor

R.T.: 4.680 min  
Delta R.T.: -0.013 min  
Response: 174384925  
Conc: 55.32 ng/ml m



#4 Heptachlor

R.T.: 3.811 min  
Delta R.T.: -0.006 min  
Response: 159239760  
Conc: 55.54 ng/ml



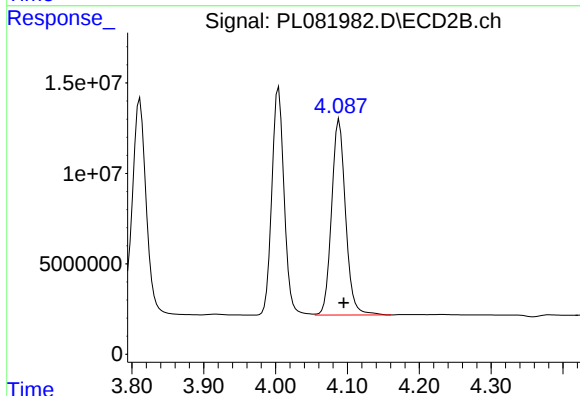
#5 Aldrin

R.T.: 5.018 min  
Delta R.T.: -0.012 min  
Response: 158954614  
Conc: 55.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

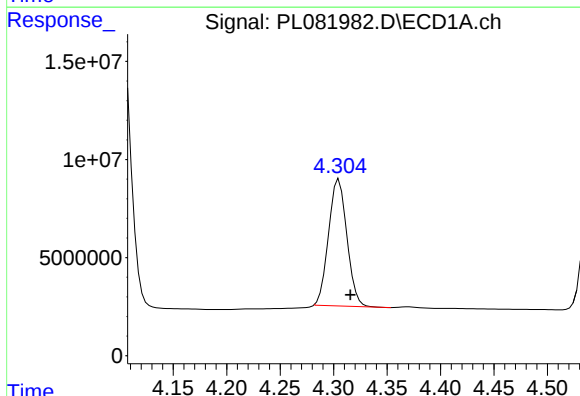
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



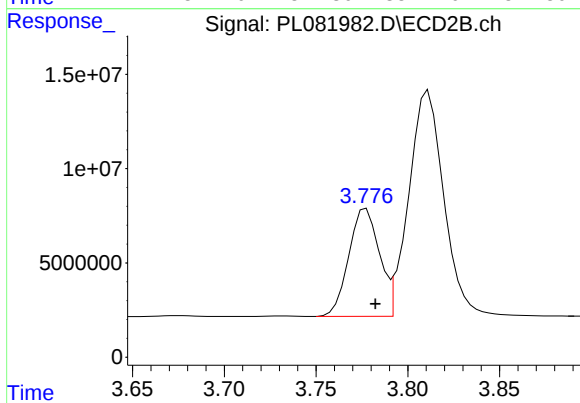
#5 Aldrin

R.T.: 4.089 min  
Delta R.T.: -0.006 min  
Response: 146136827  
Conc: 54.85 ng/ml



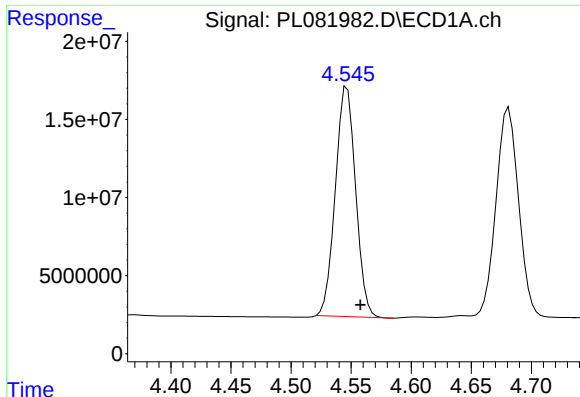
#6 beta-BHC

R.T.: 4.305 min  
Delta R.T.: -0.011 min  
Response: 77219846  
Conc: 51.31 ng/ml



#6 beta-BHC

R.T.: 3.777 min  
Delta R.T.: -0.005 min  
Response: 66361862  
Conc: 55.72 ng/ml



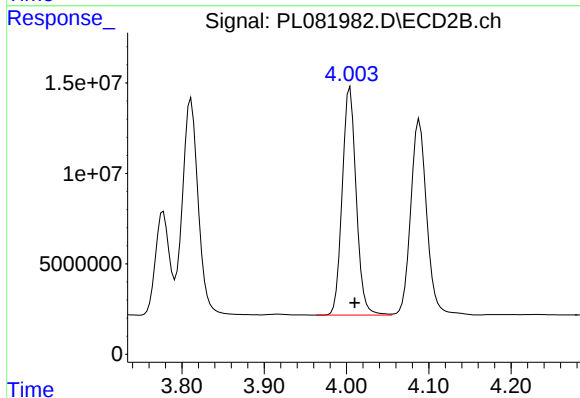
#7 delta-BHC

R.T.: 4.547 min  
Delta R.T.: -0.011 min  
Response: 173137831  
Conc: 56.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

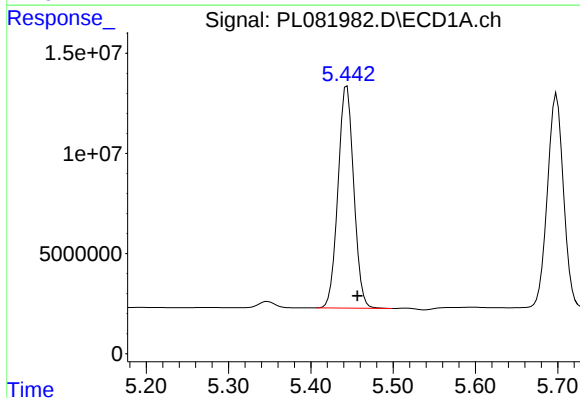
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



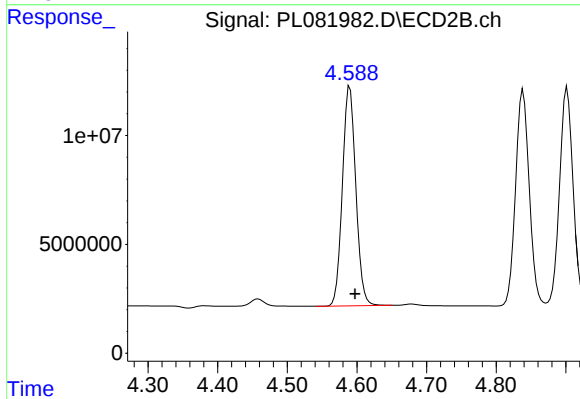
#7 delta-BHC

R.T.: 4.004 min  
Delta R.T.: -0.006 min  
Response: 149125092  
Conc: 57.66 ng/ml



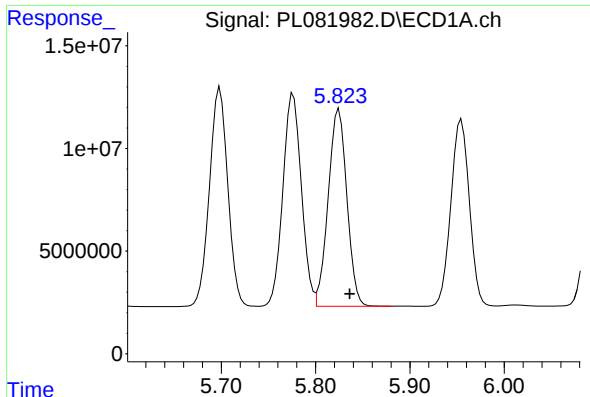
#8 Heptachlor epoxide

R.T.: 5.444 min  
Delta R.T.: -0.012 min  
Response: 147582399  
Conc: 54.26 ng/ml



#8 Heptachlor epoxide

R.T.: 4.590 min  
Delta R.T.: -0.008 min  
Response: 135164320  
Conc: 55.65 ng/ml



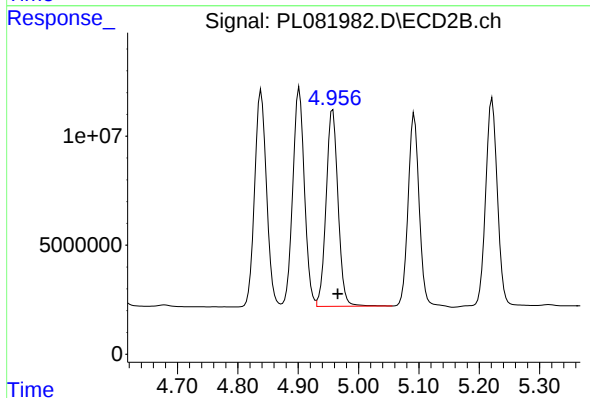
#9 Endosulfan I

R.T.: 5.825 min  
Delta R.T.: -0.012 min  
Response: 132346754  
Conc: 53.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

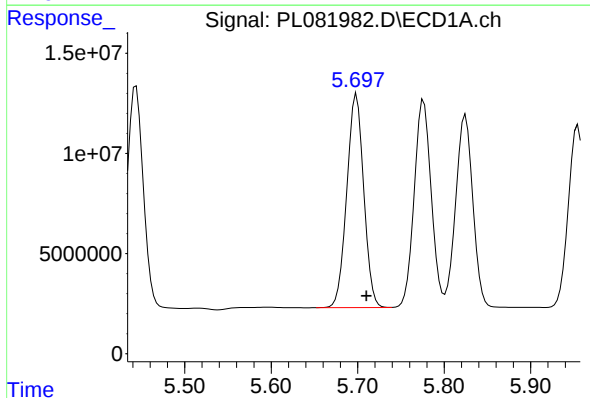
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



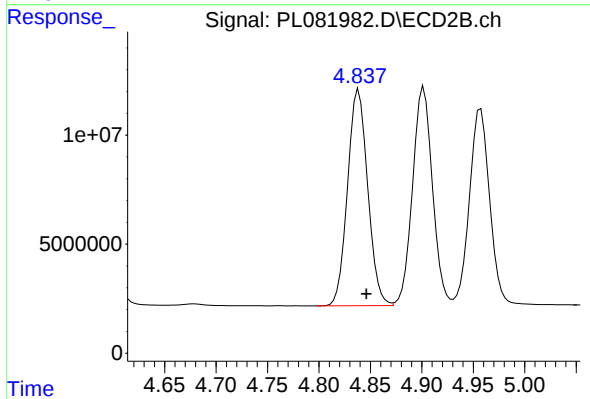
#9 Endosulfan I

R.T.: 4.957 min  
Delta R.T.: -0.008 min  
Response: 123939233  
Conc: 56.14 ng/ml



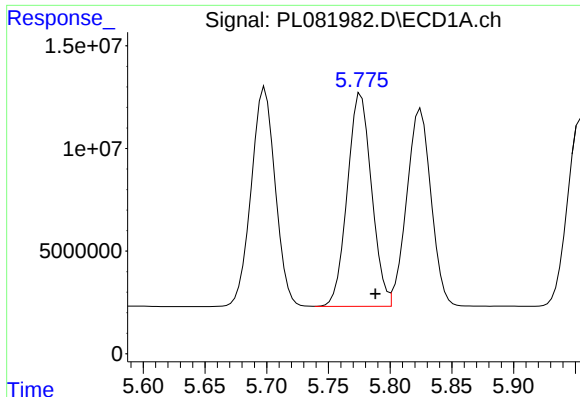
#10 gamma-Chlordane

R.T.: 5.699 min  
Delta R.T.: -0.012 min  
Response: 144612043  
Conc: 55.09 ng/ml



#10 gamma-Chlordane

R.T.: 4.839 min  
Delta R.T.: -0.008 min  
Response: 135454202  
Conc: 55.73 ng/ml



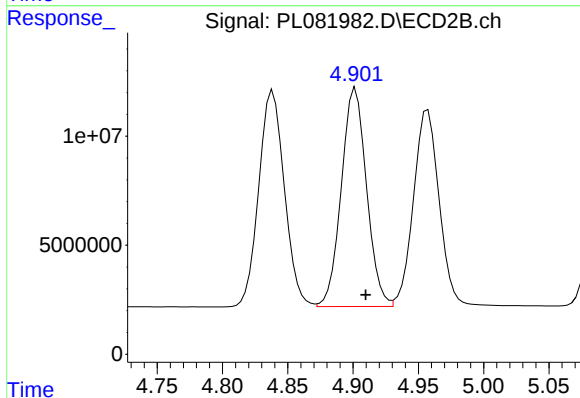
#11 alpha-Chlordane

R.T.: 5.776 min  
Delta R.T.: -0.012 min  
Response: 141879074  
Conc: 54.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

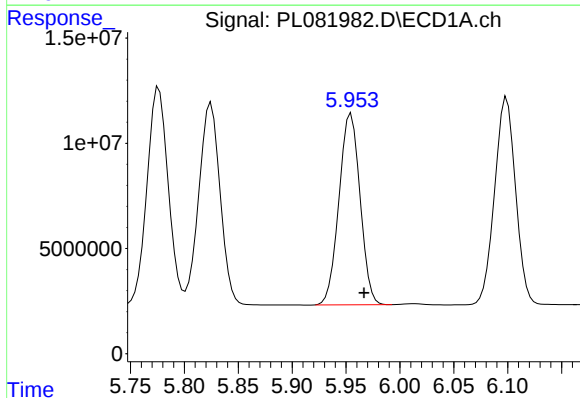
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



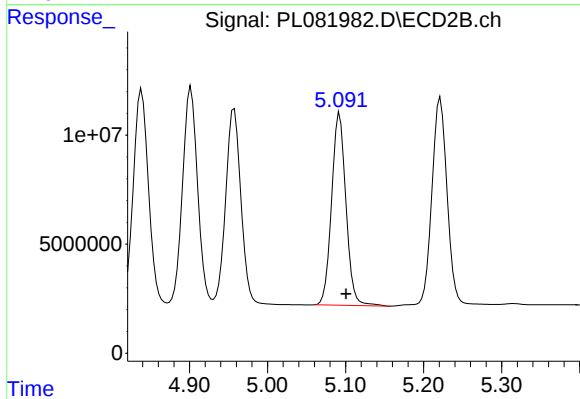
#11 alpha-Chlordane

R.T.: 4.902 min  
Delta R.T.: -0.008 min  
Response: 134916912  
Conc: 55.55 ng/ml



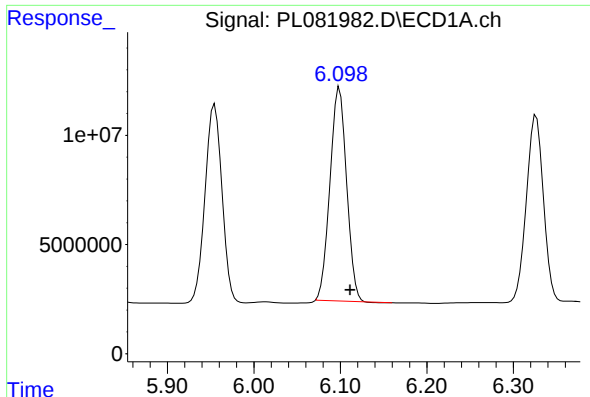
#12 4,4'-DDE

R.T.: 5.955 min  
Delta R.T.: -0.012 min  
Response: 123872074  
Conc: 54.97 ng/ml



#12 4,4'-DDE

R.T.: 5.092 min  
Delta R.T.: -0.008 min  
Response: 112818074  
Conc: 57.27 ng/ml



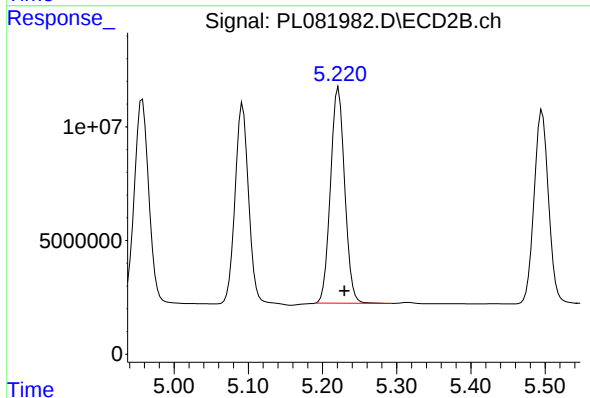
#13 Dieldrin

R.T.: 6.099 min  
Delta R.T.: -0.012 min  
Response: 130135172  
Conc: 53.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

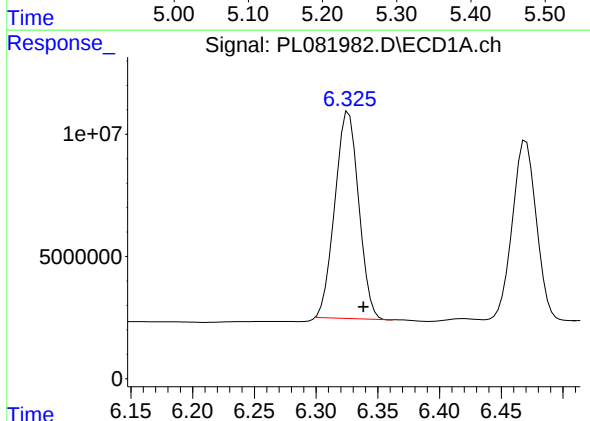
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



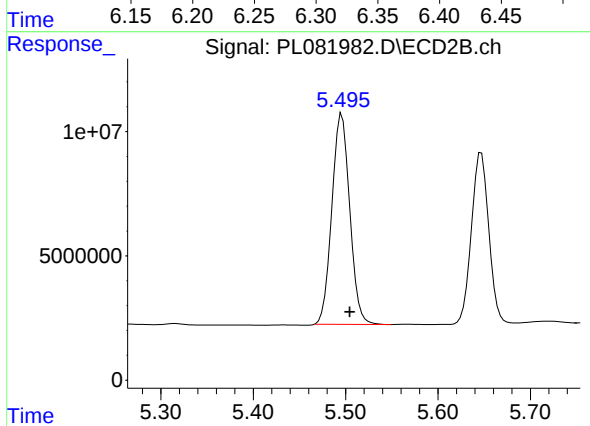
#13 Dieldrin

R.T.: 5.222 min  
Delta R.T.: -0.008 min  
Response: 126258527  
Conc: 56.13 ng/ml



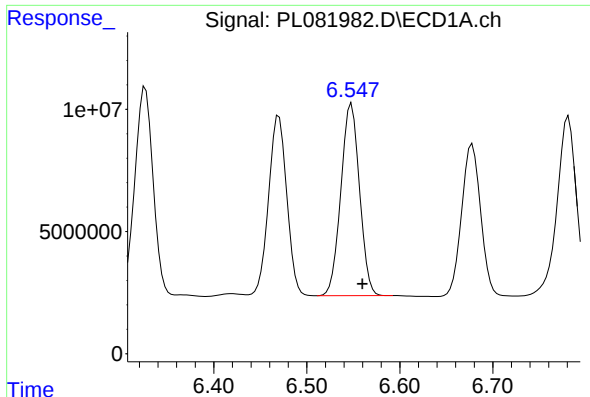
#14 Endrin

R.T.: 6.326 min  
Delta R.T.: -0.012 min  
Response: 113760664  
Conc: 53.78 ng/ml



#14 Endrin

R.T.: 5.496 min  
Delta R.T.: -0.009 min  
Response: 113969382  
Conc: 56.32 ng/ml



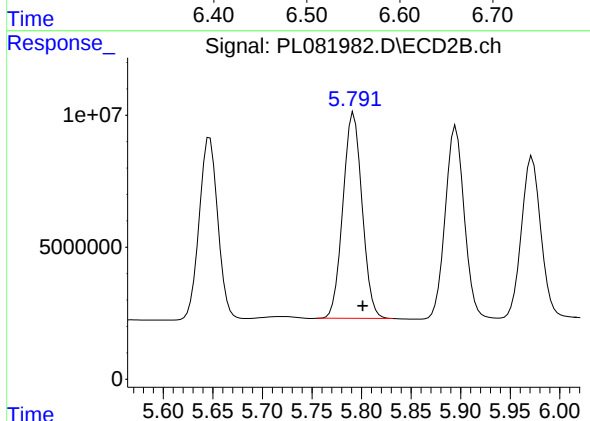
#15 Endosulfan II

R.T.: 6.548 min  
Delta R.T.: -0.012 min  
Response: 109425097  
Conc: 51.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

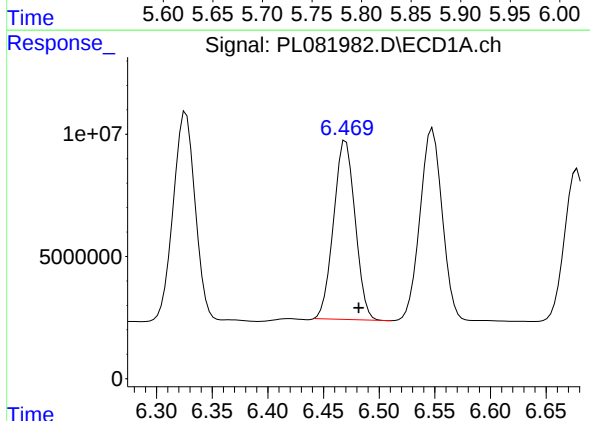
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



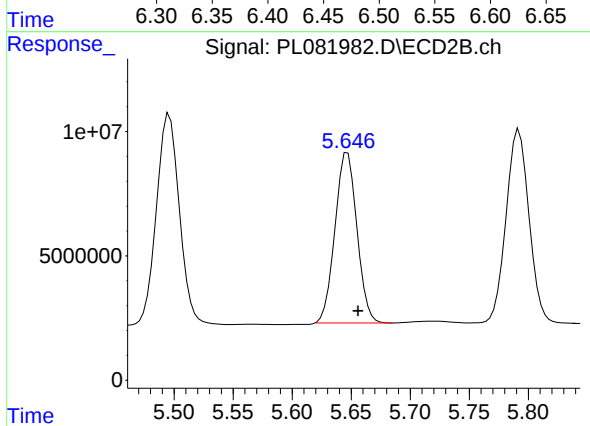
#15 Endosulfan II

R.T.: 5.791 min  
Delta R.T.: -0.010 min  
Response: 104865993  
Conc: 57.81 ng/ml m



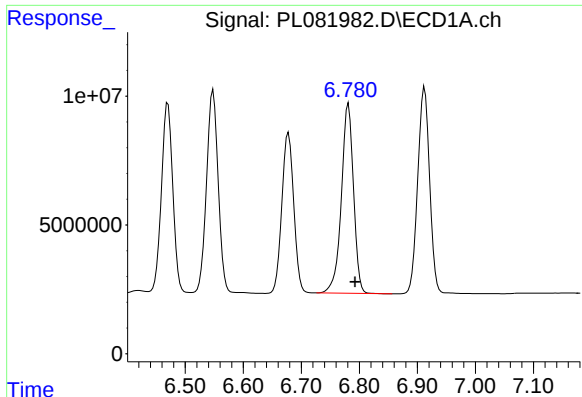
#16 4,4'-DDD

R.T.: 6.470 min  
Delta R.T.: -0.012 min  
Response: 98386085  
Conc: 54.55 ng/ml



#16 4,4'-DDD

R.T.: 5.647 min  
Delta R.T.: -0.009 min  
Response: 88652911  
Conc: 58.42 ng/ml



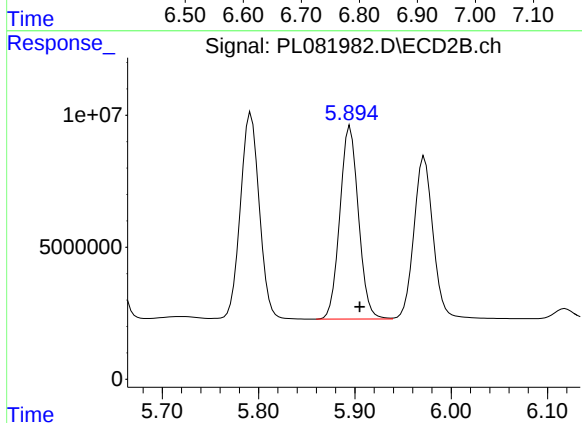
#17 4,4'-DDT

R.T.: 6.781 min  
Delta R.T.: -0.012 min  
Response: 107052544  
Conc: 52.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

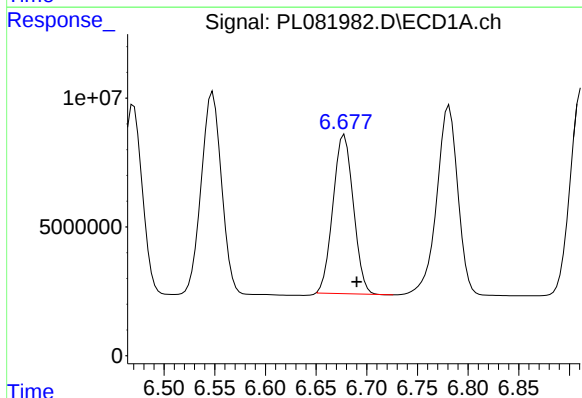
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



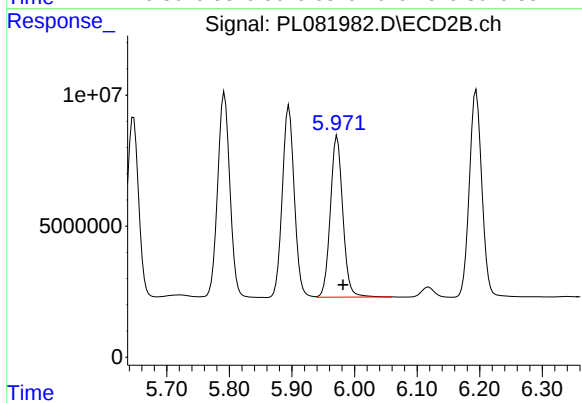
#17 4,4'-DDT

R.T.: 5.895 min  
Delta R.T.: -0.010 min  
Response: 97811781  
Conc: 56.76 ng/ml



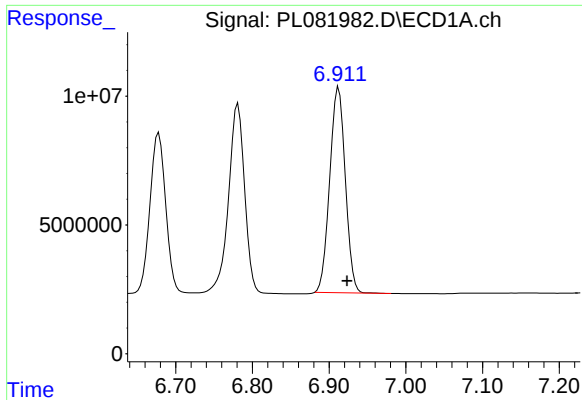
#18 Endrin aldehyde

R.T.: 6.678 min  
Delta R.T.: -0.012 min  
Response: 86361115  
Conc: 52.78 ng/ml



#18 Endrin aldehyde

R.T.: 5.972 min  
Delta R.T.: -0.010 min  
Response: 85039951  
Conc: 54.76 ng/ml



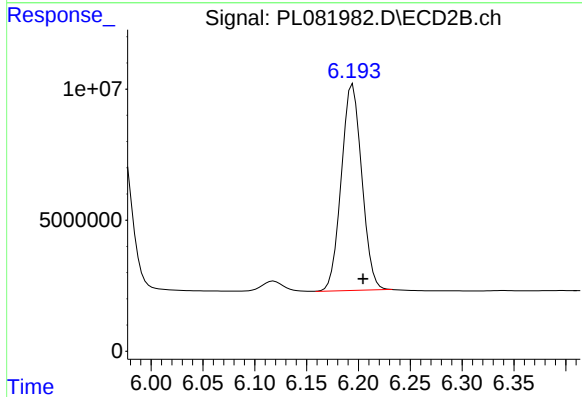
#19 Endosulfan Sulfate

R.T.: 6.912 min  
Delta R.T.: -0.011 min  
Response: 112516408  
Conc: 53.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

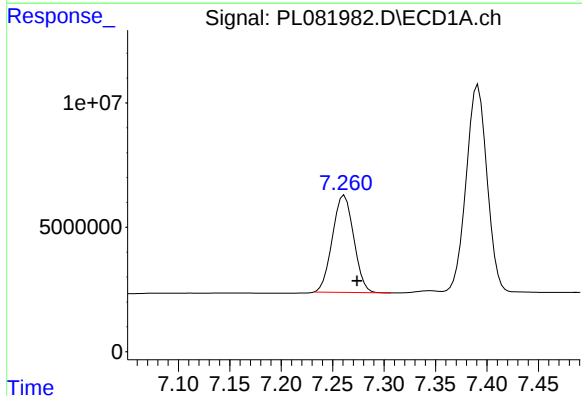
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



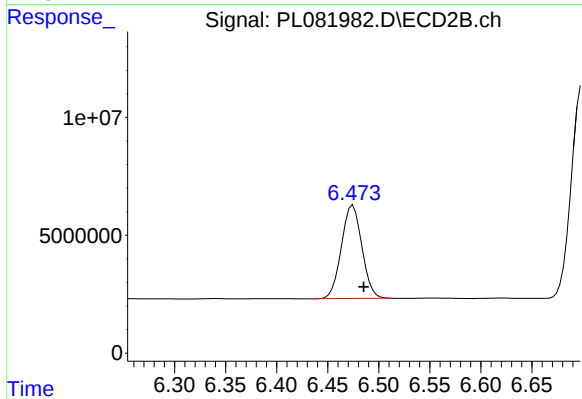
#19 Endosulfan Sulfate

R.T.: 6.193 min  
Delta R.T.: -0.011 min  
Response: 108282088  
Conc: 55.65 ng/ml m



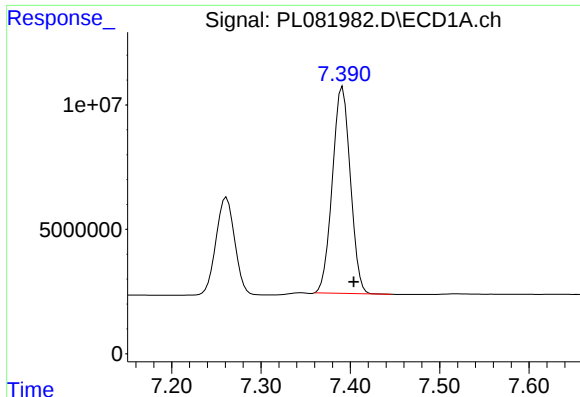
#20 Methoxychlor

R.T.: 7.261 min  
Delta R.T.: -0.012 min  
Response: 56268090  
Conc: 52.25 ng/ml



#20 Methoxychlor

R.T.: 6.473 min  
Delta R.T.: -0.012 min  
Response: 55336568  
Conc: 55.56 ng/ml m



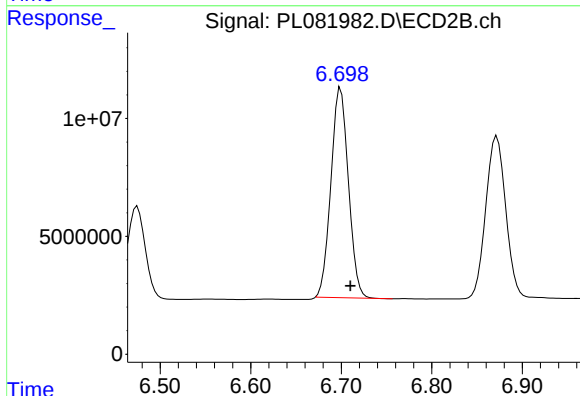
#21 Endrin ketone

R.T.: 7.391 min  
Delta R.T.: -0.013 min  
Response: 116017982  
Conc: 55.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

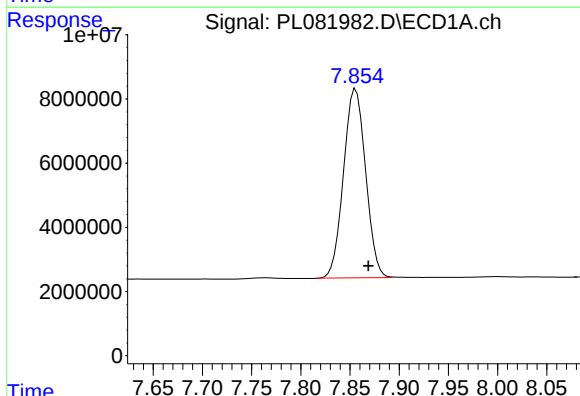
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



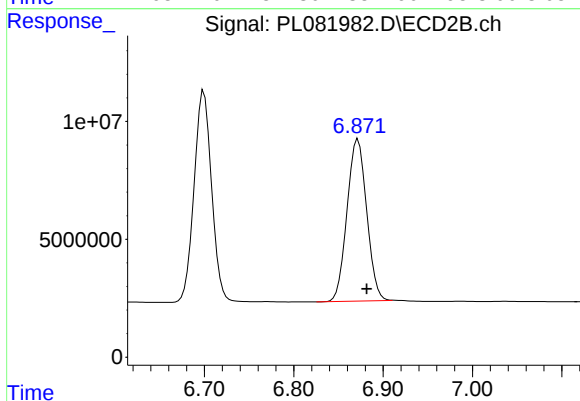
#21 Endrin ketone

R.T.: 6.699 min  
Delta R.T.: -0.011 min  
Response: 119596088  
Conc: 55.96 ng/ml



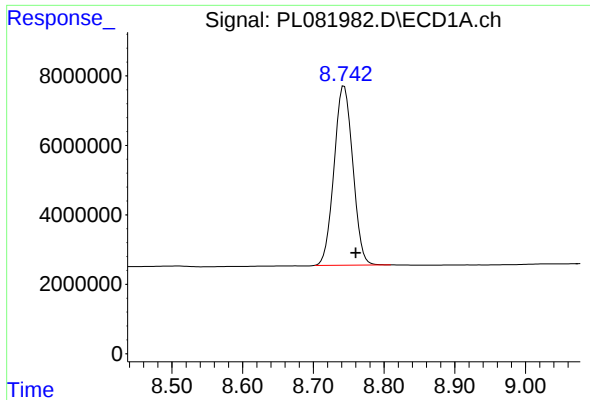
#22 Mirex

R.T.: 7.854 min  
Delta R.T.: -0.014 min  
Response: 92005477  
Conc: 53.70 ng/ml m



#22 Mirex

R.T.: 6.871 min  
Delta R.T.: -0.011 min  
Response: 105037700  
Conc: 54.71 ng/ml m



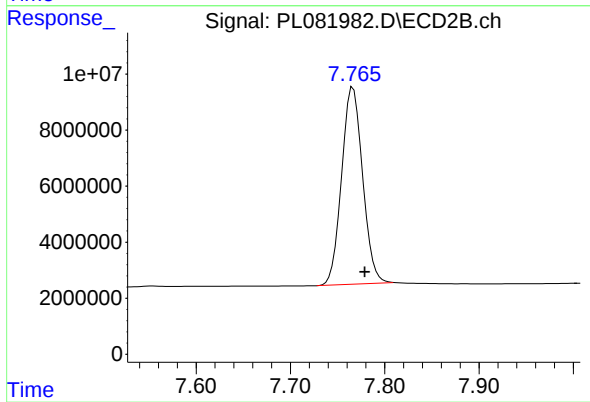
#28 Decachlorobiphenyl

R.T.: 8.744 min  
Delta R.T.: -0.016 min  
Response: 95081627  
Conc: 53.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/11/2023  
Supervised By :Ankita Jodhani 04/11/2023



#28 Decachlorobiphenyl

R.T.: 7.765 min  
Delta R.T.: -0.014 min  
Response: 108887720  
Conc: 54.90 ng/ml m