

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040324\  
 Data File : PL088908.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 03 Apr 2024 16:42  
 Operator : AR\AJ  
 Sample : P1956-04MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 RBR200010MS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
 Supervised By :Ankita Jodhani 04/04/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 04 01:18:14 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031324.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Mar 13 15:45:55 2024  
 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...          | 3.633 | 2.850 | 54121298 | 28538192 | 20.423  | 21.413   |
| 2) SA Decachlor...          | 9.301 | 8.077 | 40119195 | 30569357 | 16.230m | 22.545m# |
| Target Compounds            |       |       |          |          |         |          |
| 2) A alpha-BHC              | 4.098 | 3.364 | 233.9E6  | 124.7E6  | 58.591  | 62.076   |
| 3) MA gamma-BHC...          | 4.436 | 3.701 | 236.6E6  | 117.3E6  | 61.007  | 61.147   |
| 4) MA Heptachlor            | 5.037 | 4.049 | 219.2E6  | 116.9E6  | 57.725  | 64.959   |
| 5) MB Aldrin                | 5.384 | 4.335 | 214.5E6  | 112.8E6  | 58.525  | 62.428   |
| 6) B beta-BHC               | 4.634 | 4.003 | 102.7E6  | 52036630 | 57.897  | 60.702   |
| 7) B delta-BHC              | 4.886 | 4.238 | 220.2E6  | 115.0E6  | 54.675  | 60.104   |
| 8) B Heptachlo...           | 5.816 | 4.845 | 199.7E6  | 106.4E6  | 58.125  | 64.676   |
| 9) A Endosulfan I           | 6.207 | 5.222 | 178.9E6  | 98310069 | 58.533  | 65.398   |
| 10) B gamma-Chl...          | 6.075 | 5.100 | 206.9E6  | 112.7E6  | 62.124  | 68.018   |
| 11) B alpha-Chl...          | 6.156 | 5.165 | 205.2E6  | 112.4E6  | 61.737  | 67.716   |
| 12) B 4,4'-DDE              | 6.330 | 5.358 | 173.5E6  | 100.1E6  | 58.071  | 68.610   |
| 13) MA Dieldrin             | 6.486 | 5.491 | 191.0E6  | 108.6E6  | 58.906  | 66.861   |
| 14) MA Endrin               | 6.718 | 5.770 | 156.4E6  | 95747302 | 57.203  | 66.425   |
| 15) B Endosulfa...          | 6.939 | 6.067 | 168.6E6  | 95209290 | 58.878  | 66.215   |
| 16) A 4,4'-DDD              | 6.853 | 5.920 | 149.8E6  | 83709773 | 58.838  | 67.217   |
| 17) MA 4,4'-DDT             | 7.172 | 6.175 | 154.0E6  | 89034498 | 57.778  | 66.335   |
| 18) B Endrin al...          | 7.069 | 6.249 | 122.3E6  | 69289031 | 58.592m | 66.119   |
| 19) B Endosulfa...          | 7.307 | 6.475 | 158.6E6  | 90384941 | 57.428  | 65.145   |
| 20) A Methoxychlor          | 7.652 | 6.758 | 81349766 | 49327406 | 53.999  | 61.500   |
| 21) B Endrin ke...          | 7.799 | 6.988 | 173.3E6  | 105.8E6  | 58.630  | 64.120   |
| 22) Mirex                   | 8.280 | 7.173 | 141.8E6  | 85049714 | 60.487m | 63.073m  |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040324\  
Data File : PL088908.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 03 Apr 2024 16:42  
Operator : AR\AJ  
Sample : P1956-04MS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

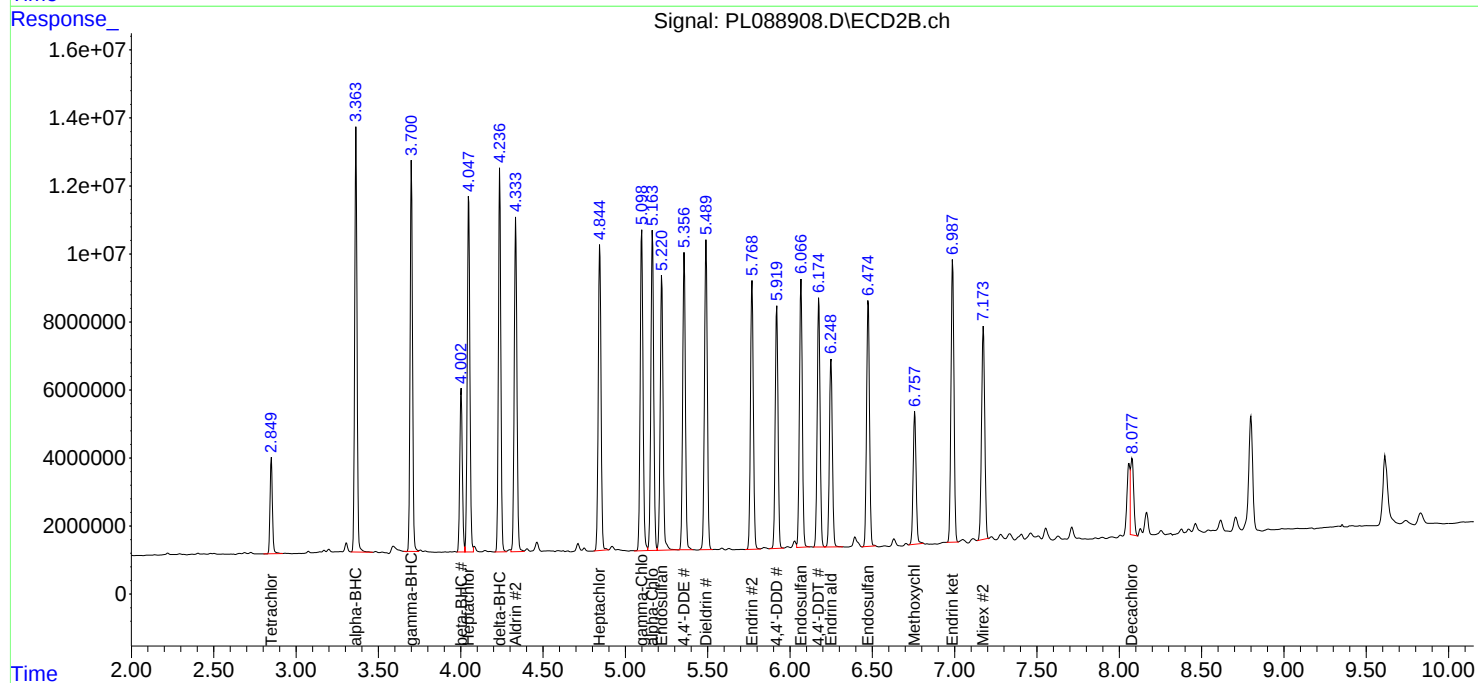
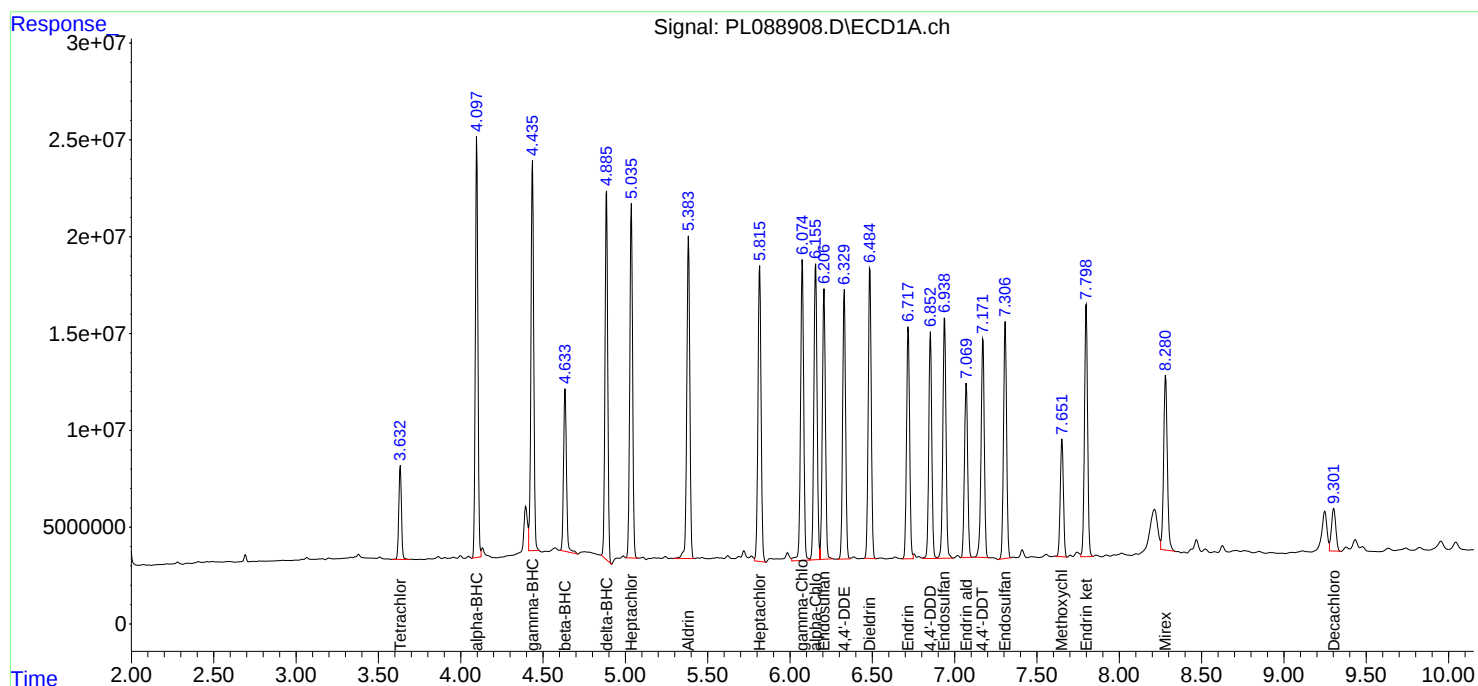
Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

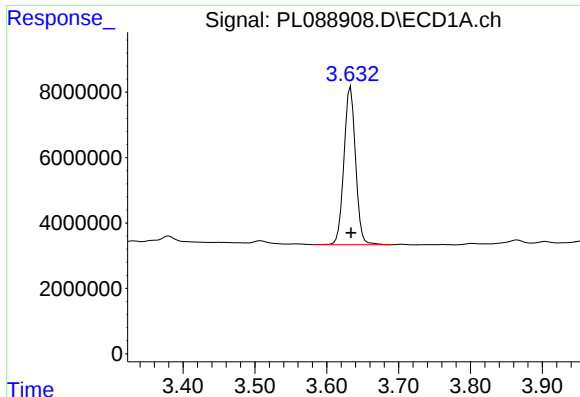
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 04 01:18:14 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031324.M  
Quant Title : GC Extractables  
QLast Update : Wed Mar 13 15:45:55 2024  
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





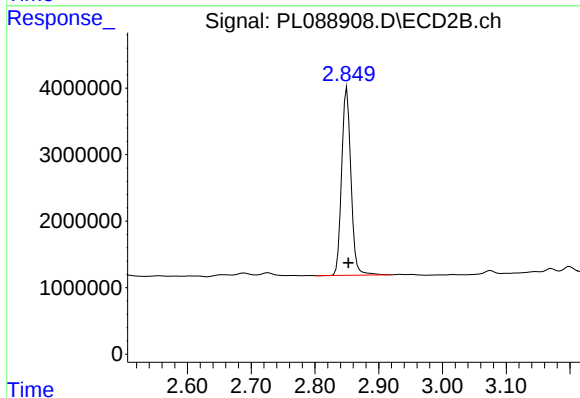
#1 Tetrachloro-m-xylene

R.T.: 3.633 min  
Delta R.T.: 0.000 min  
Response: 54121298  
Conc: 20.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

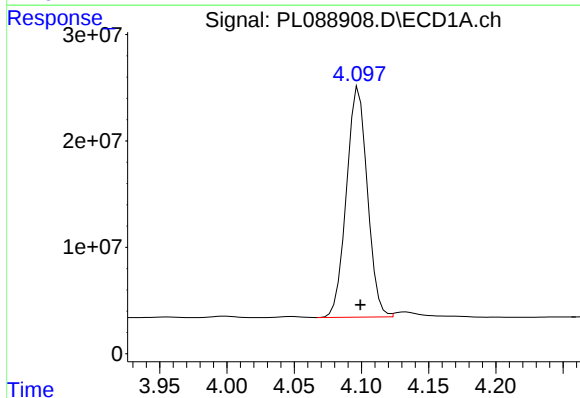
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



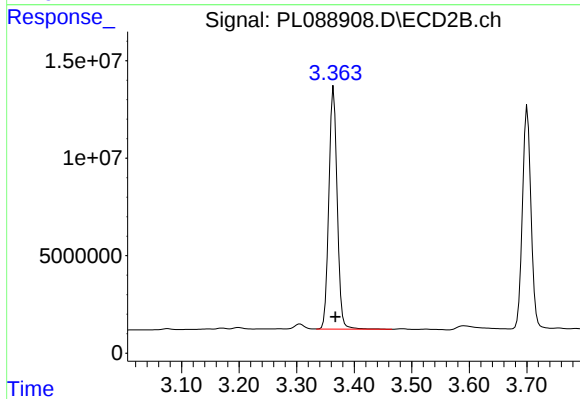
#1 Tetrachloro-m-xylene

R.T.: 2.850 min  
Delta R.T.: -0.002 min  
Response: 28538192  
Conc: 21.41 ng/ml



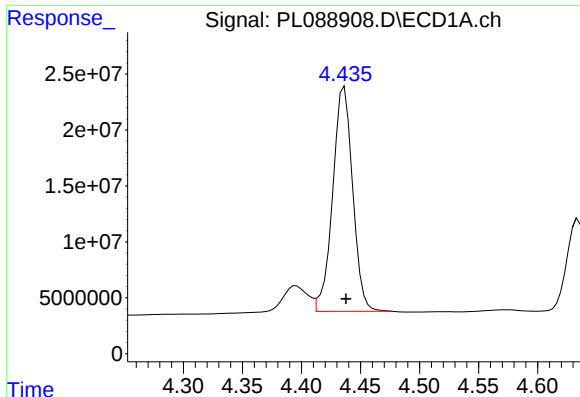
#2 alpha-BHC

R.T.: 4.098 min  
Delta R.T.: -0.001 min  
Response: 233877734  
Conc: 58.59 ng/ml



#2 alpha-BHC

R.T.: 3.364 min  
Delta R.T.: -0.003 min  
Response: 124738459  
Conc: 62.08 ng/ml



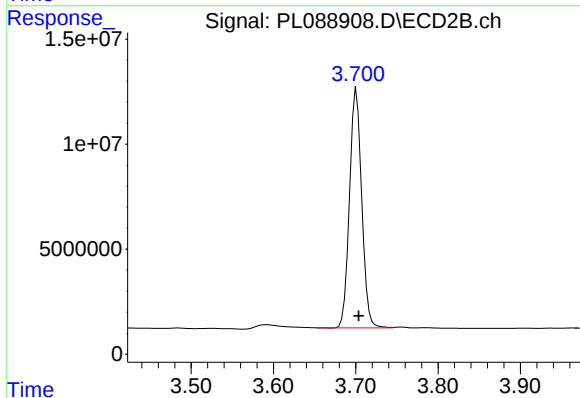
#3 gamma-BHC (Lindane)

R.T.: 4.436 min  
Delta R.T.: -0.001 min  
Response: 236597456  
Conc: 61.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

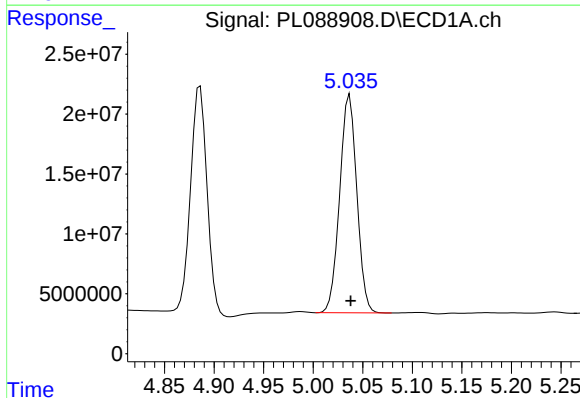
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



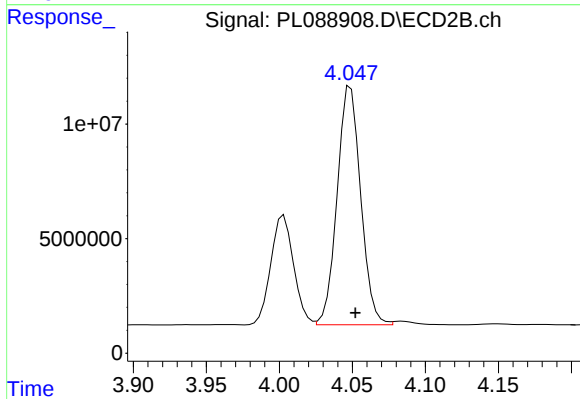
#3 gamma-BHC (Lindane)

R.T.: 3.701 min  
Delta R.T.: -0.003 min  
Response: 117347621  
Conc: 61.15 ng/ml



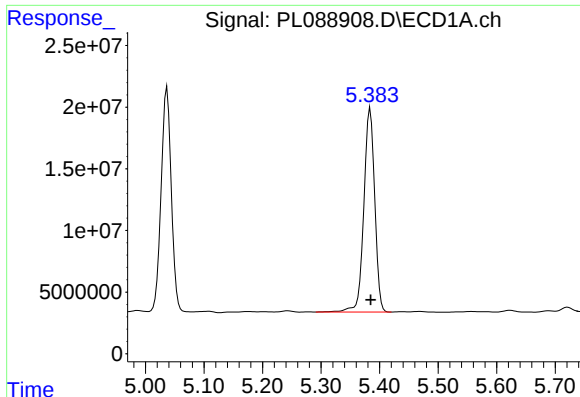
#4 Heptachlor

R.T.: 5.037 min  
Delta R.T.: -0.001 min  
Response: 219208850  
Conc: 57.73 ng/ml



#4 Heptachlor

R.T.: 4.049 min  
Delta R.T.: -0.003 min  
Response: 116908819  
Conc: 64.96 ng/ml



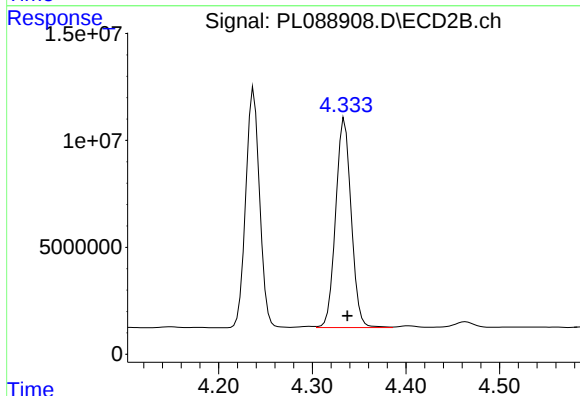
#5 Aldrin

R.T.: 5.384 min  
Delta R.T.: -0.001 min  
Response: 214464293  
Conc: 58.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

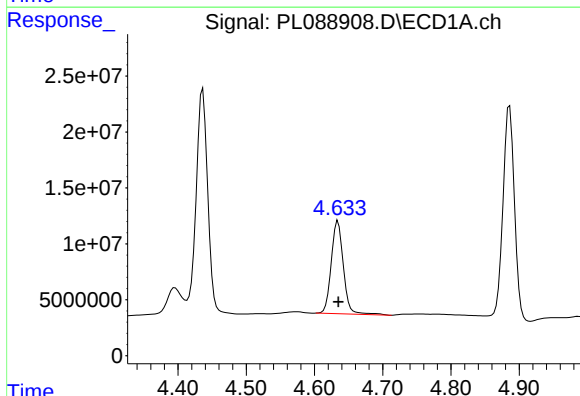
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



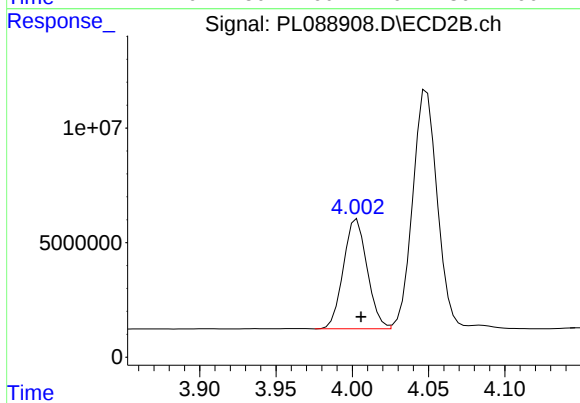
#5 Aldrin

R.T.: 4.335 min  
Delta R.T.: -0.003 min  
Response: 112811173  
Conc: 62.43 ng/ml



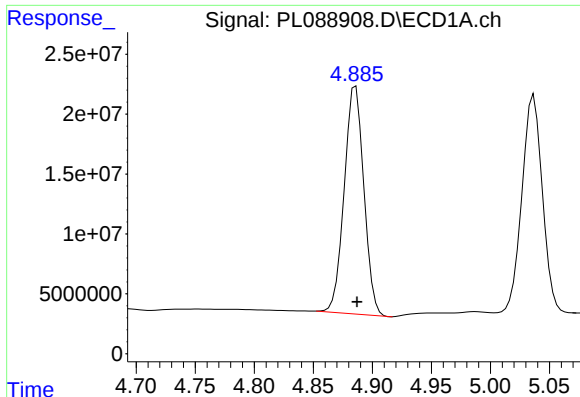
#6 beta-BHC

R.T.: 4.634 min  
Delta R.T.: 0.000 min  
Response: 102677448  
Conc: 57.90 ng/ml



#6 beta-BHC

R.T.: 4.003 min  
Delta R.T.: -0.003 min  
Response: 52036630  
Conc: 60.70 ng/ml



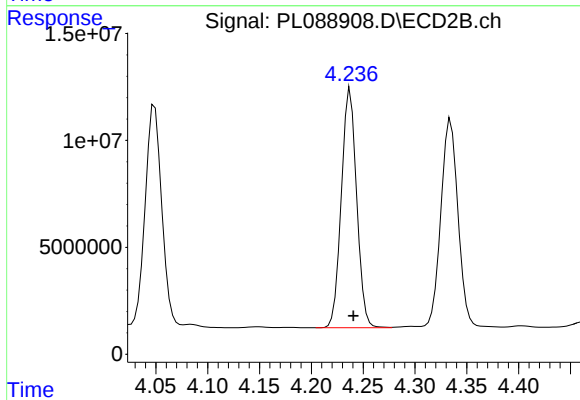
#7 delta-BHC

R.T.: 4.886 min  
Delta R.T.: -0.001 min  
Response: 220239569  
Conc: 54.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

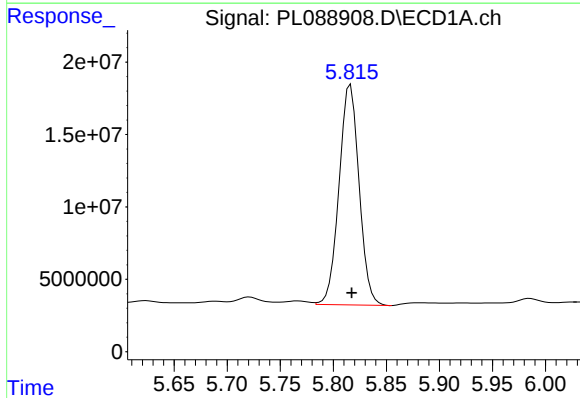
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



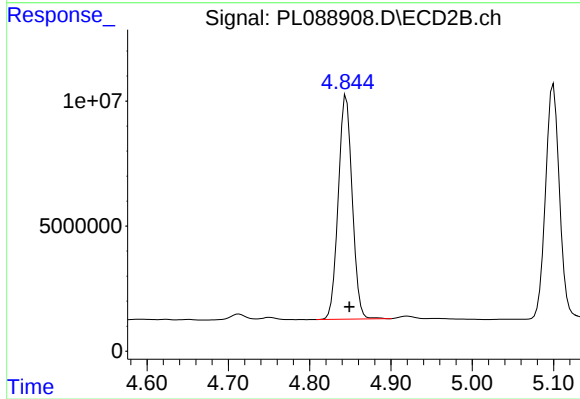
#7 delta-BHC

R.T.: 4.238 min  
Delta R.T.: -0.003 min  
Response: 114983750  
Conc: 60.10 ng/ml



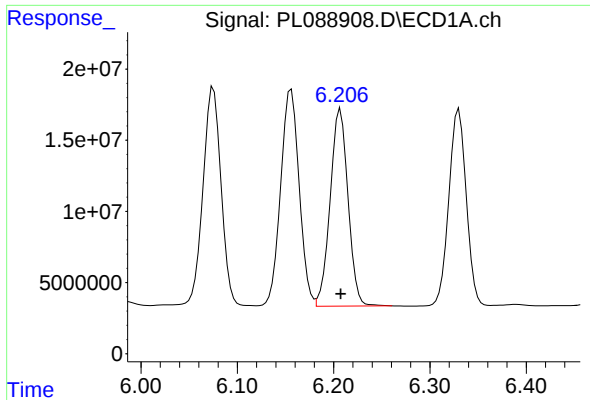
#8 Heptachlor epoxide

R.T.: 5.816 min  
Delta R.T.: -0.001 min  
Response: 199657267  
Conc: 58.12 ng/ml



#8 Heptachlor epoxide

R.T.: 4.845 min  
Delta R.T.: -0.004 min  
Response: 106358865  
Conc: 64.68 ng/ml



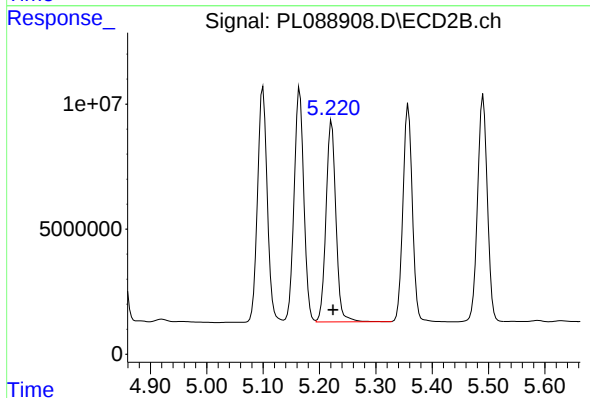
#9 Endosulfan I

R.T.: 6.207 min  
Delta R.T.: 0.000 min  
Response: 178903817  
Conc: 58.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

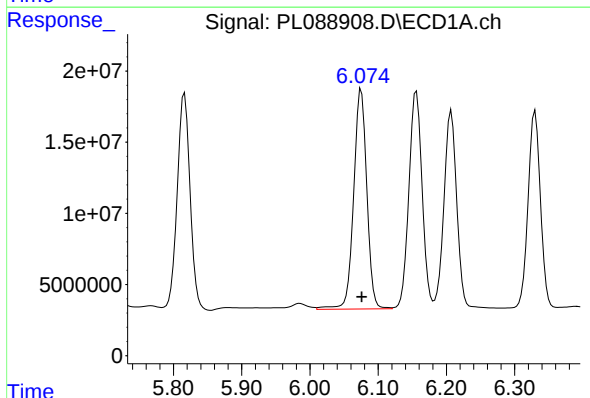
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



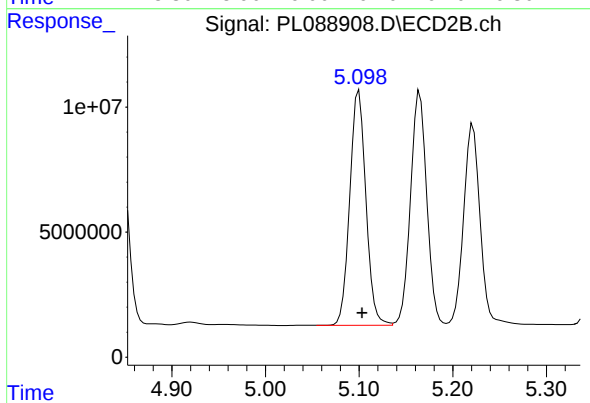
#9 Endosulfan I

R.T.: 5.222 min  
Delta R.T.: -0.003 min  
Response: 98310069  
Conc: 65.40 ng/ml



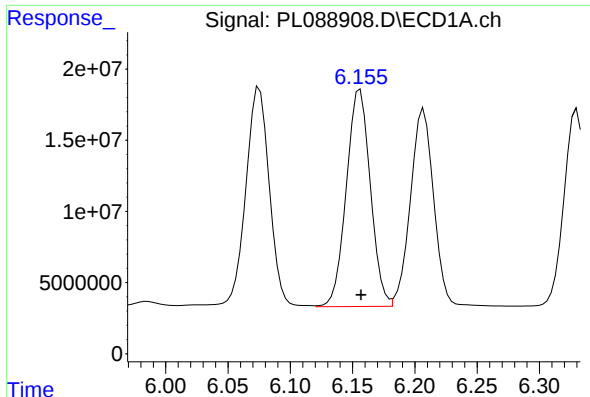
#10 gamma-Chlordane

R.T.: 6.075 min  
Delta R.T.: 0.000 min  
Response: 206924531  
Conc: 62.12 ng/ml



#10 gamma-Chlordane

R.T.: 5.100 min  
Delta R.T.: -0.004 min  
Response: 112659792  
Conc: 68.02 ng/ml



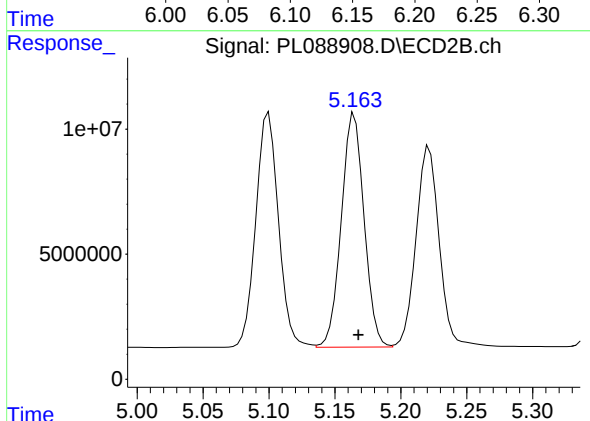
#11 alpha-Chlordane

R.T.: 6.156 min  
Delta R.T.: 0.000 min  
Response: 205215360  
Conc: 61.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

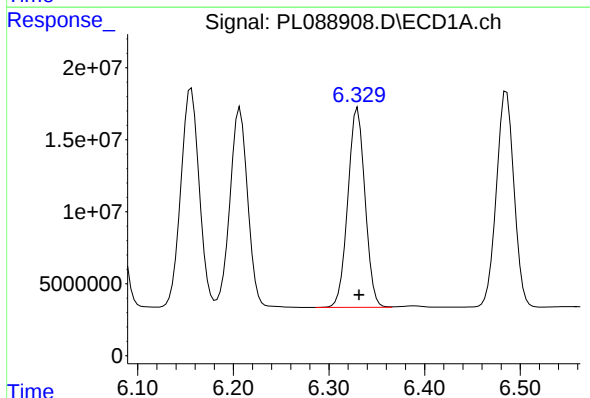
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



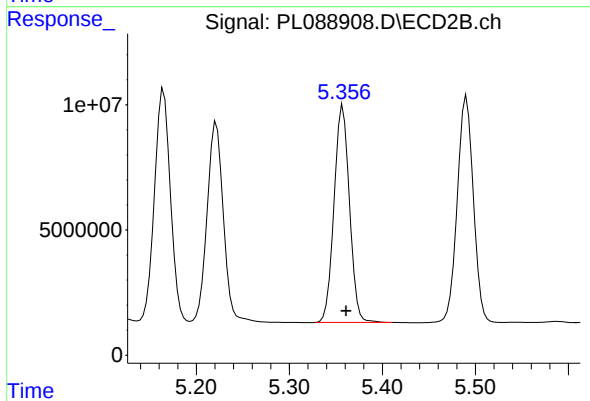
#11 alpha-Chlordane

R.T.: 5.165 min  
Delta R.T.: -0.003 min  
Response: 112403787  
Conc: 67.72 ng/ml



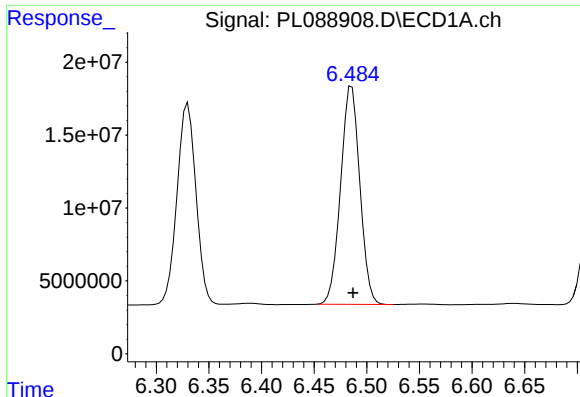
#12 4,4'-DDE

R.T.: 6.330 min  
Delta R.T.: -0.002 min  
Response: 173499906  
Conc: 58.07 ng/ml



#12 4,4'-DDE

R.T.: 5.358 min  
Delta R.T.: -0.003 min  
Response: 100074161  
Conc: 68.61 ng/ml



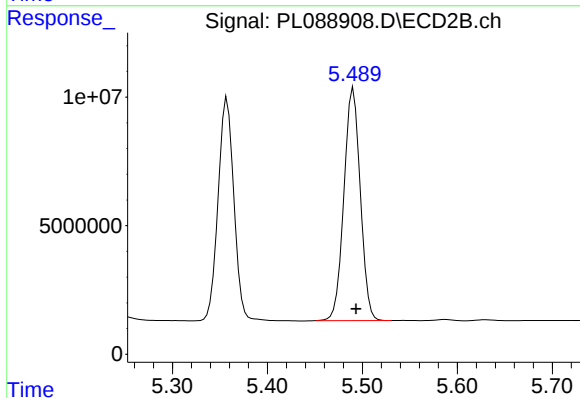
#13 Dieldrin

R.T.: 6.486 min  
Delta R.T.: -0.001 min  
Response: 191014048  
Conc: 58.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

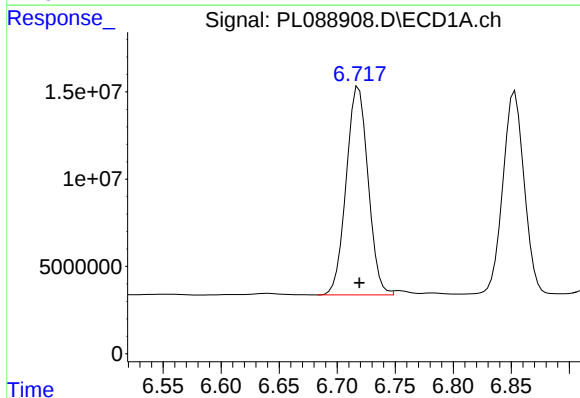
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



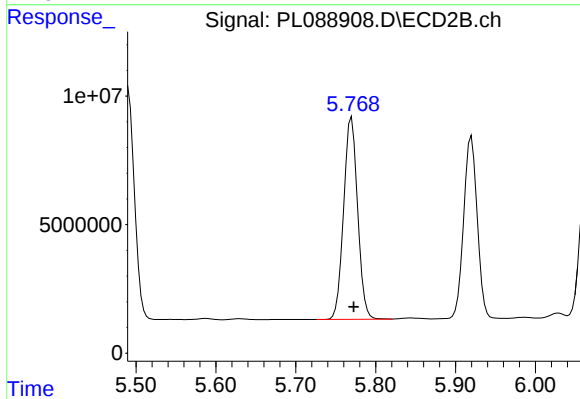
#13 Dieldrin

R.T.: 5.491 min  
Delta R.T.: -0.003 min  
Response: 108591990  
Conc: 66.86 ng/ml



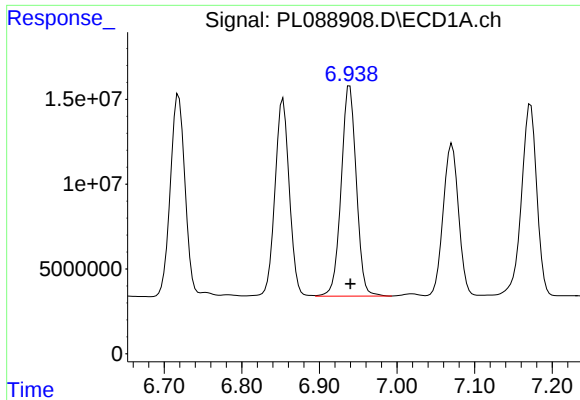
#14 Endrin

R.T.: 6.718 min  
Delta R.T.: 0.000 min  
Response: 156377968  
Conc: 57.20 ng/ml



#14 Endrin

R.T.: 5.770 min  
Delta R.T.: -0.003 min  
Response: 95747302  
Conc: 66.43 ng/ml



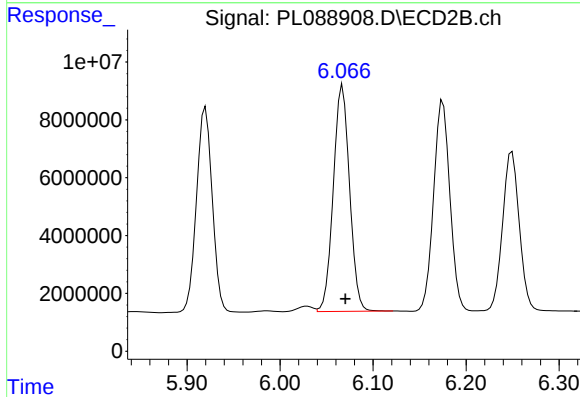
#15 Endosulfan II

R.T.: 6.939 min  
Delta R.T.: -0.001 min  
Response: 168639477  
Conc: 58.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

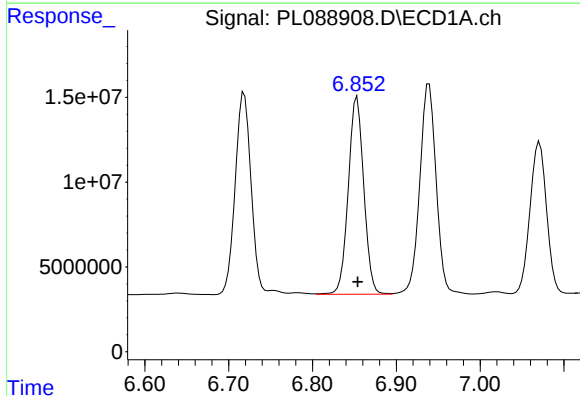
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



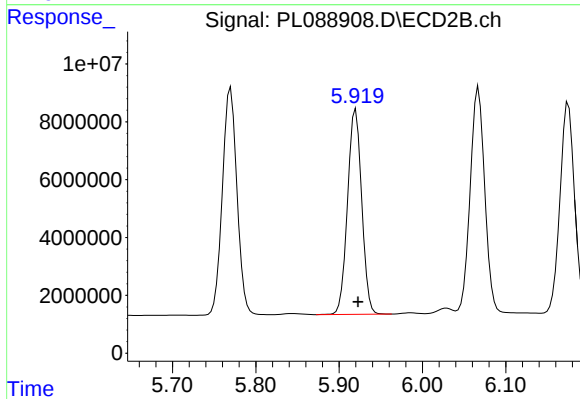
#15 Endosulfan II

R.T.: 6.067 min  
Delta R.T.: -0.003 min  
Response: 95209290  
Conc: 66.21 ng/ml



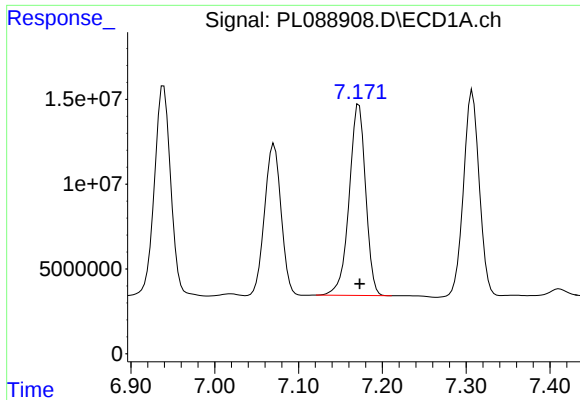
#16 4,4'-DDD

R.T.: 6.853 min  
Delta R.T.: -0.001 min  
Response: 149845671  
Conc: 58.84 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min  
Delta R.T.: -0.003 min  
Response: 83709773  
Conc: 67.22 ng/ml



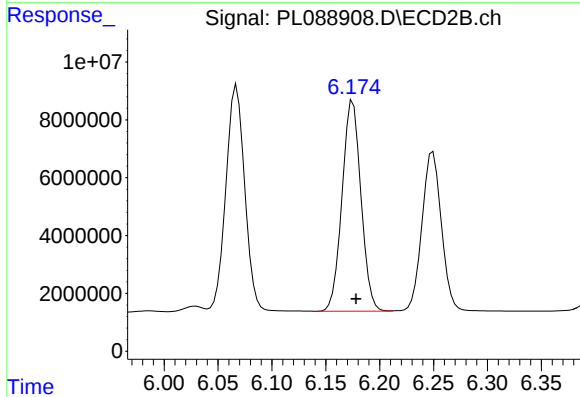
#17 4,4'-DDT

R.T.: 7.172 min  
Delta R.T.: 0.000 min  
Response: 154006032  
Conc: 57.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

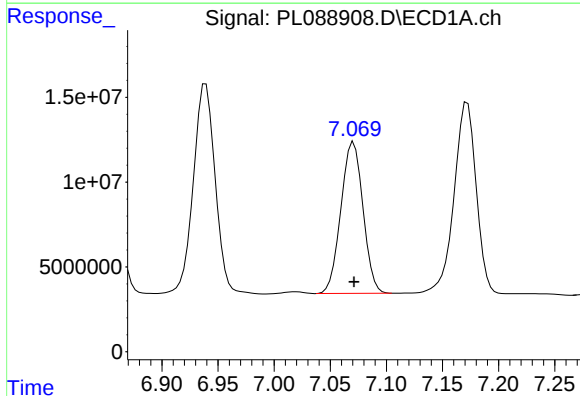
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



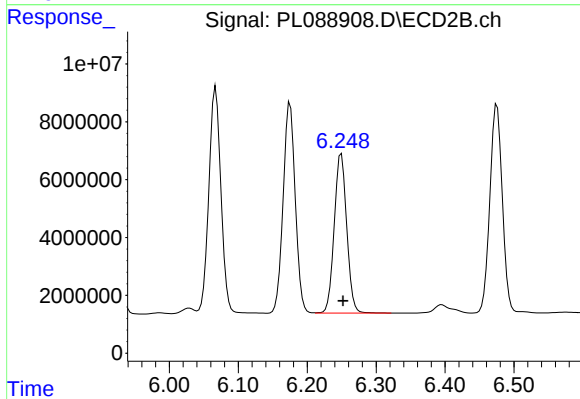
#17 4,4'-DDT

R.T.: 6.175 min  
Delta R.T.: -0.003 min  
Response: 89034498  
Conc: 66.33 ng/ml



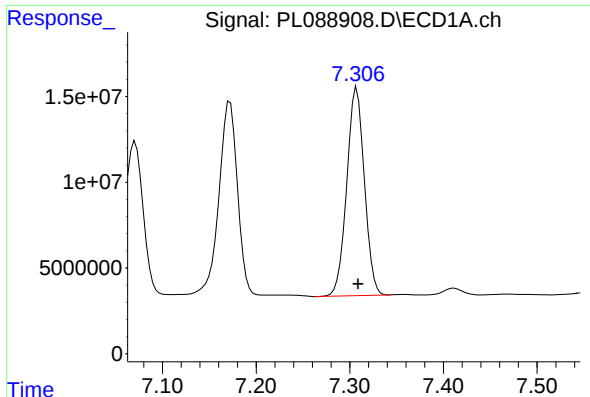
#18 Endrin aldehyde

R.T.: 7.069 min  
Delta R.T.: -0.002 min  
Response: 122331401  
Conc: 58.59 ng/ml m



#18 Endrin aldehyde

R.T.: 6.249 min  
Delta R.T.: -0.003 min  
Response: 69289031  
Conc: 66.12 ng/ml



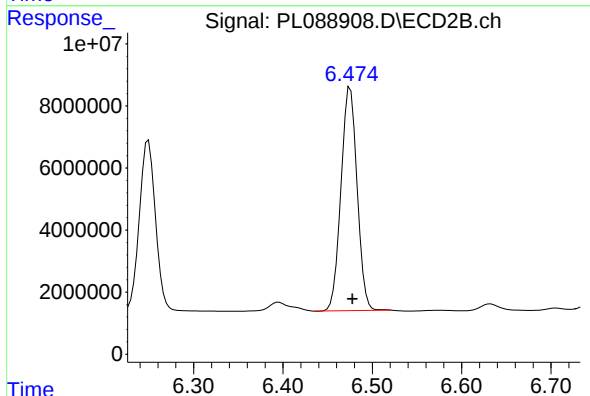
#19 Endosulfan Sulfate

R.T.: 7.307 min  
Delta R.T.: -0.001 min  
Response: 158575894  
Conc: 57.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

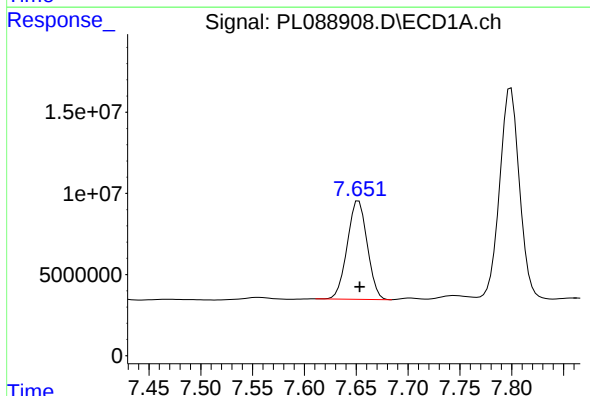
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



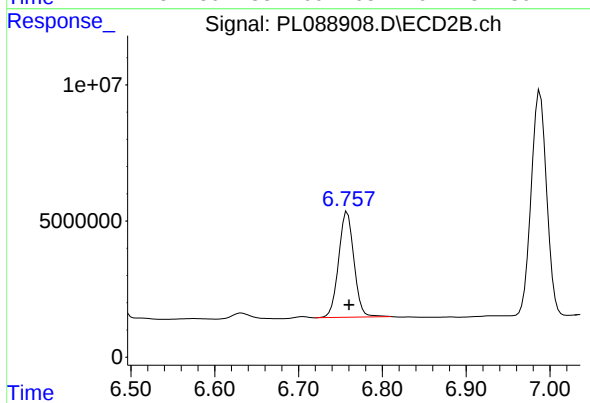
#19 Endosulfan Sulfate

R.T.: 6.475 min  
Delta R.T.: -0.002 min  
Response: 90384941  
Conc: 65.15 ng/ml



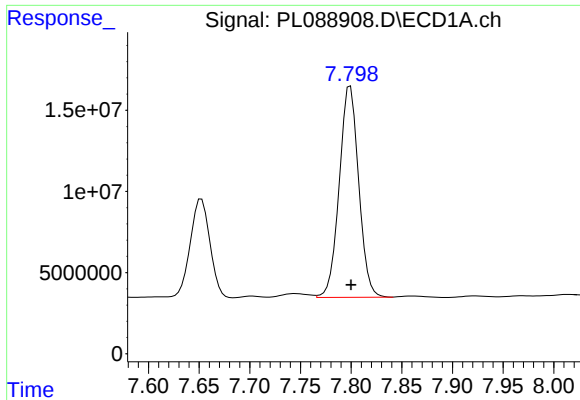
#20 Methoxychlor

R.T.: 7.652 min  
Delta R.T.: 0.000 min  
Response: 81349766  
Conc: 54.00 ng/ml



#20 Methoxychlor

R.T.: 6.758 min  
Delta R.T.: -0.002 min  
Response: 49327406  
Conc: 61.50 ng/ml



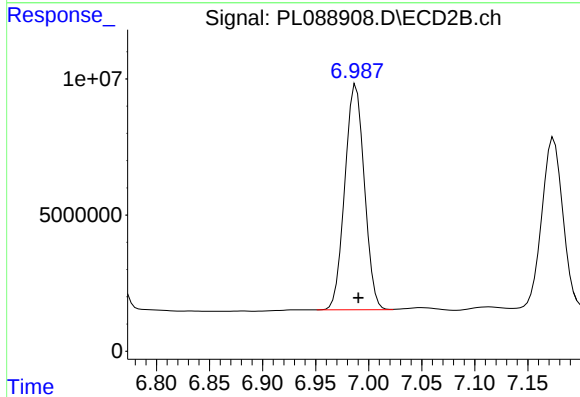
#21 Endrin ketone

R.T.: 7.799 min  
Delta R.T.: 0.000 min  
Response: 173332891  
Conc: 58.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

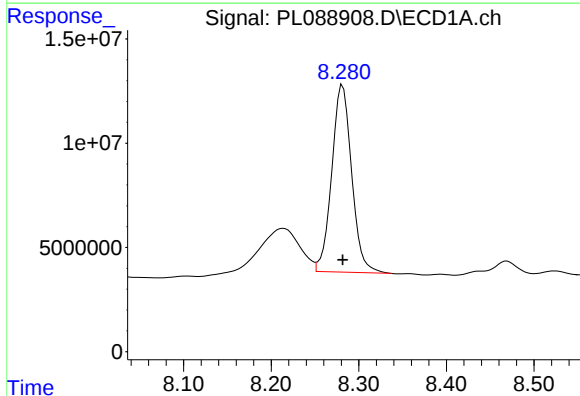
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



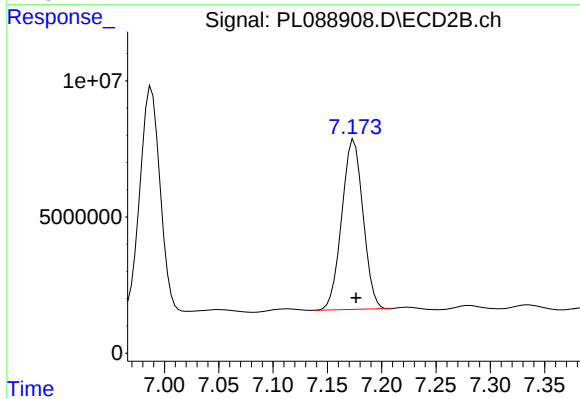
#21 Endrin ketone

R.T.: 6.988 min  
Delta R.T.: -0.002 min  
Response: 105842442  
Conc: 64.12 ng/ml



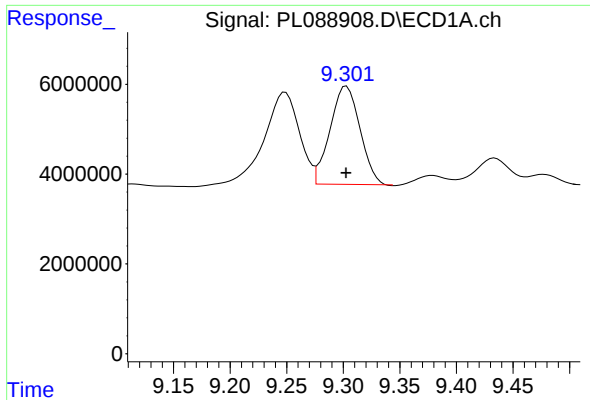
#22 Mirex

R.T.: 8.280 min  
Delta R.T.: -0.001 min  
Response: 141812226  
Conc: 60.49 ng/ml m



#22 Mirex

R.T.: 7.173 min  
Delta R.T.: -0.003 min  
Response: 85049714  
Conc: 63.07 ng/ml m



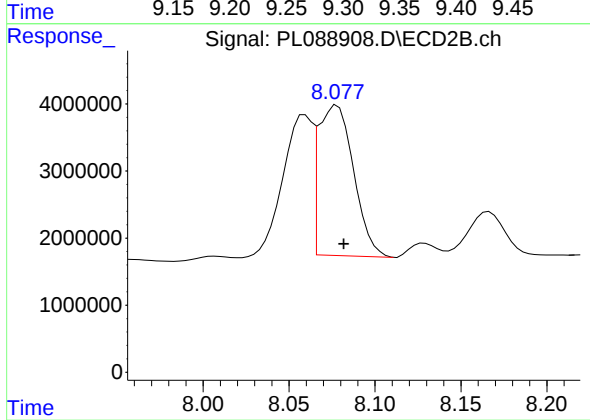
#28 Decachlorobiphenyl

R.T.: 9.301 min  
Delta R.T.: -0.001 min  
Response: 40119195  
Conc: 16.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
RBR200010MS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/04/2024  
Supervised By :Ankita Jodhani 04/04/2024



#28 Decachlorobiphenyl

R.T.: 8.077 min  
Delta R.T.: -0.005 min  
Response: 30569357  
Conc: 22.55 ng/ml m