

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL043025\  
 Data File : PL095442.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Apr 2025 16:49  
 Operator : AR\AJ  
 Sample : PB167766BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB167766BS

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 04/29/2025  
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 29 01:35:22 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042325.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Apr 23 16:23:18 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

| Compound                    | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-------|-------|----------|----------|---------|---------|
| -----                       |       |       |          |          |         |         |
| System Monitoring Compounds |       |       |          |          |         |         |
| 1) SA Tetrachlo...          | 3.593 | 2.904 | 67647608 | 66214118 | 20.721  | 20.824  |
| 28) SA Decachlor...         | 9.116 | 8.082 | 65376502 | 70362619 | 23.595  | 23.777  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 4.044 | 3.414 | 257.4E6  | 238.4E6  | 51.956  | 53.588  |
| 3) MA gamma-BHC...          | 4.373 | 3.747 | 247.9E6  | 232.2E6  | 52.364m | 52.793  |
| 4) MA Heptachlor            | 4.973 | 4.101 | 231.7E6  | 220.5E6  | 50.642  | 50.609  |
| 5) MB Aldrin                | 5.314 | 4.386 | 239.4E6  | 213.1E6  | 52.116  | 51.774  |
| 6) B beta-BHC               | 4.560 | 4.040 | 105.7E6  | 107.4E6  | 51.131  | 51.739  |
| 7) B delta-BHC              | 4.807 | 4.276 | 246.6E6  | 232.2E6  | 53.032m | 52.979  |
| 8) B Heptachlo...           | 5.735 | 4.888 | 215.0E6  | 200.7E6  | 53.681  | 51.969  |
| 9) A Endosulfan I           | 6.119 | 5.262 | 206.2E6  | 192.4E6  | 54.298  | 52.557  |
| 10) B gamma-Chl...          | 5.989 | 5.141 | 222.0E6  | 209.5E6  | 54.432  | 51.699  |
| 11) B alpha-Chl...          | 6.070 | 5.206 | 220.6E6  | 206.4E6  | 54.259  | 51.835  |
| 12) B 4,4'-DDE              | 6.239 | 5.392 | 213.6E6  | 209.0E6  | 54.474  | 51.377  |
| 13) MA Dieldrin             | 6.391 | 5.526 | 212.5E6  | 209.1E6  | 55.121  | 51.418  |
| 14) MA Endrin               | 6.619 | 5.801 | 166.6E6  | 177.0E6  | 52.308  | 48.618  |
| 15) B Endosulfa...          | 6.831 | 6.092 | 181.8E6  | 188.8E6  | 56.955  | 52.573  |
| 16) A 4,4'-DDD              | 6.749 | 5.944 | 166.2E6  | 174.9E6  | 58.709  | 53.545  |
| 17) MA 4,4'-DDT             | 7.064 | 6.198 | 159.9E6  | 174.8E6  | 56.124  | 50.878  |
| 18) B Endrin al...          | 6.960 | 6.270 | 136.5E6  | 144.5E6  | 58.822  | 55.294  |
| 19) B Endosulfa...          | 7.193 | 6.493 | 154.7E6  | 175.7E6  | 55.225  | 52.952  |
| 20) A Methoxychlor          | 7.534 | 6.768 | 74241669 | 90721249 | 53.215  | 47.562  |
| 21) B Endrin ke...          | 7.674 | 6.999 | 167.6E6  | 206.5E6  | 58.776  | 58.642  |
| 22) Mirex                   | 8.155 | 7.194 | 129.1E6  | 155.6E6  | 54.348  | 53.981m |
| -----                       |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL043025\  
Data File : PL095442.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Apr 2025 16:49  
Operator : AR\AJ  
Sample : PB167766BS  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB167766BS

## Manual Integrations

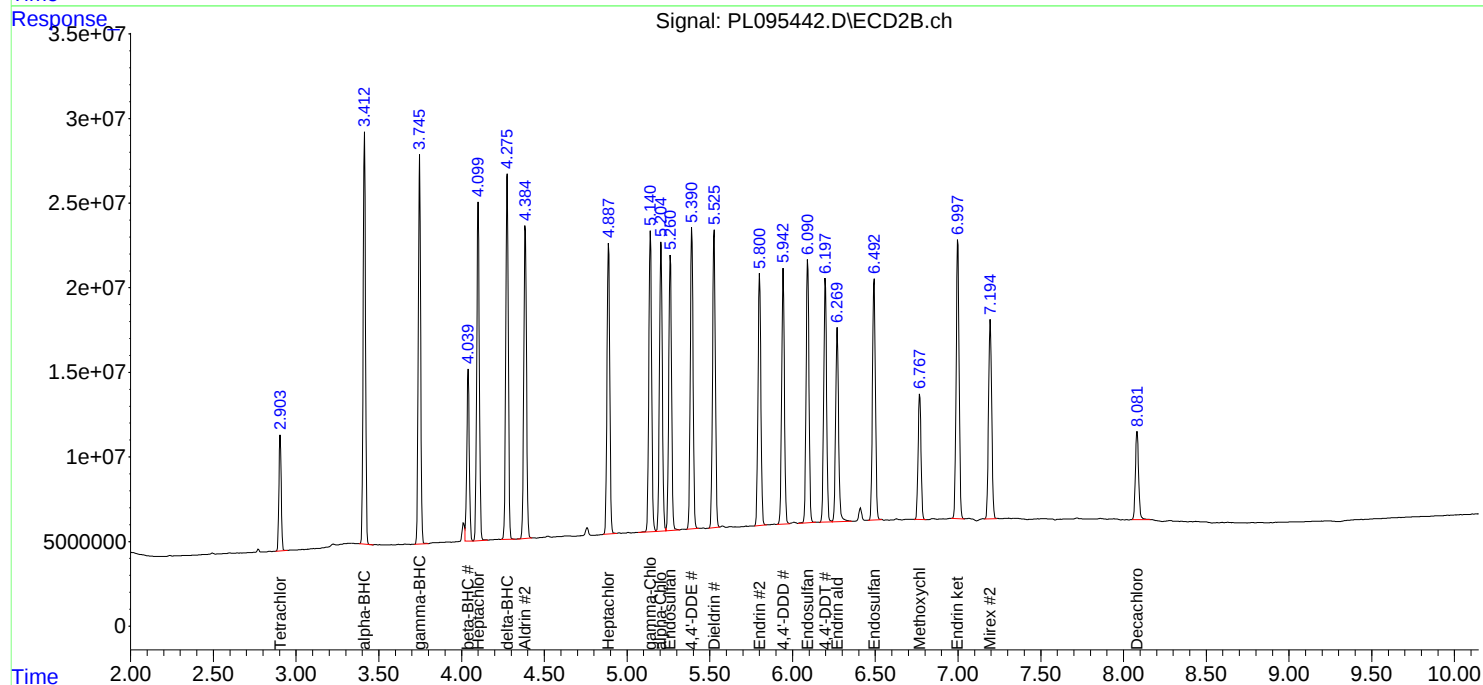
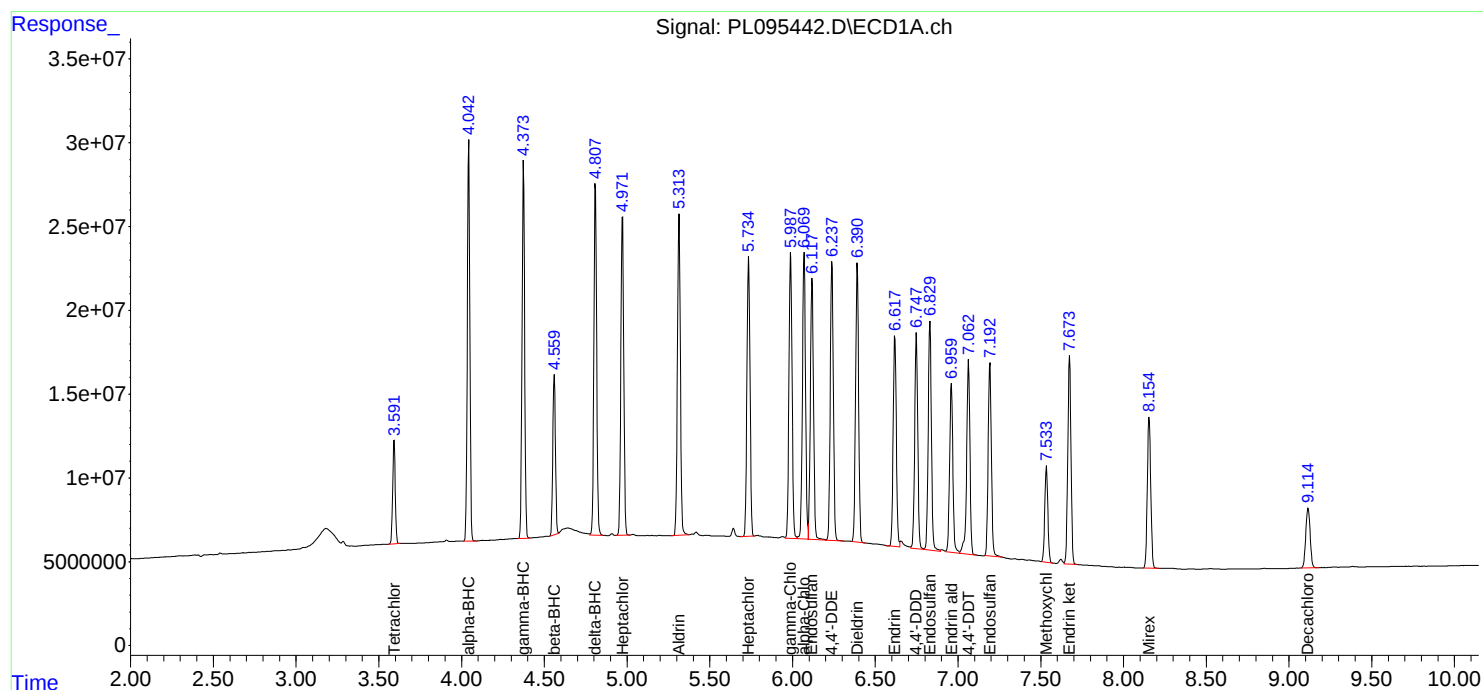
## APPROVED

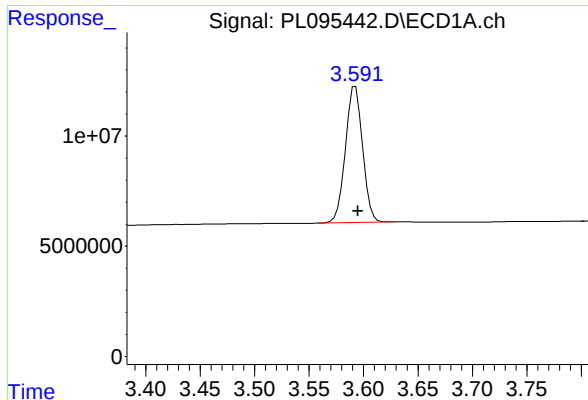
Reviewed By :Abdul Mirza 04/29/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 29 01:35:22 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042325.M  
Quant Title : GC Extractables  
QLast Update : Wed Apr 23 16:23:18 2025  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





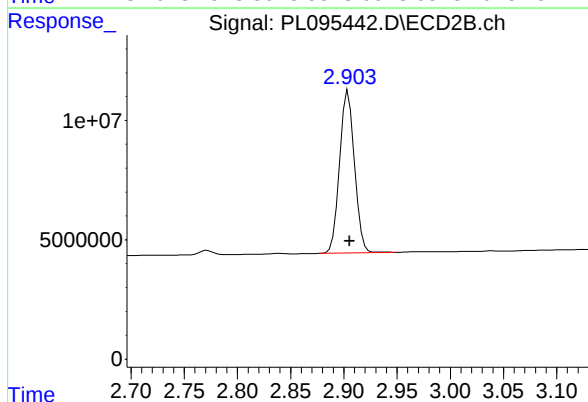
#1 Tetrachloro-m-xylene

R.T.: 3.593 min  
Delta R.T.: -0.002 min  
Response: 67647608  
Conc: 20.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

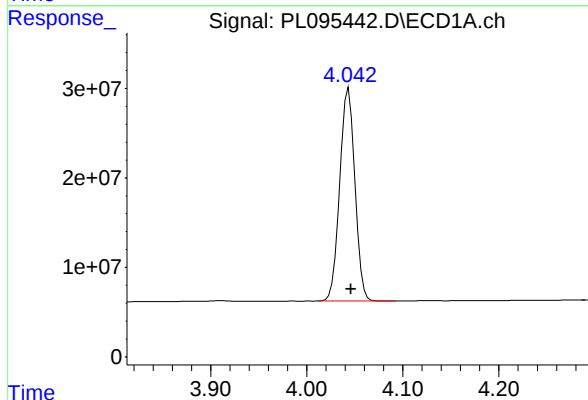
Manual Integrations  
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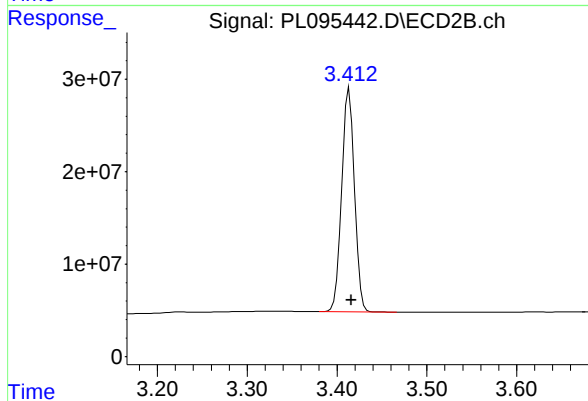
#1 Tetrachloro-m-xylene

R.T.: 2.904 min  
Delta R.T.: -0.001 min  
Response: 66214118  
Conc: 20.82 ng/ml



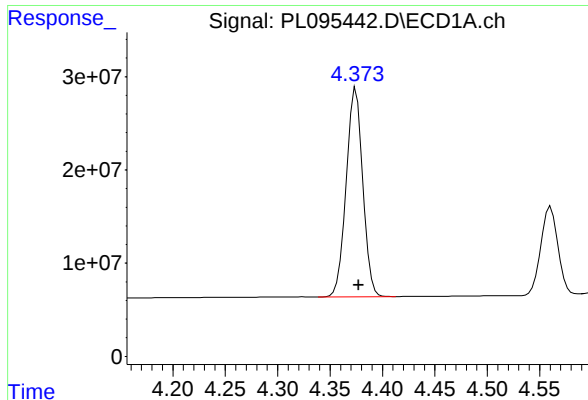
#2 alpha-BHC

R.T.: 4.044 min  
Delta R.T.: -0.003 min  
Response: 257378879  
Conc: 51.96 ng/ml



#2 alpha-BHC

R.T.: 3.414 min  
Delta R.T.: -0.003 min  
Response: 238399408  
Conc: 53.59 ng/ml



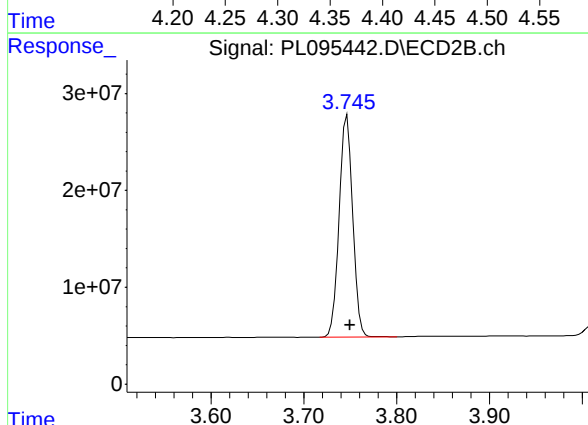
#3 gamma-BHC (Lindane)

R.T.: 4.373 min  
Delta R.T.: -0.004 min  
Response: 247889763  
Conc: 52.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

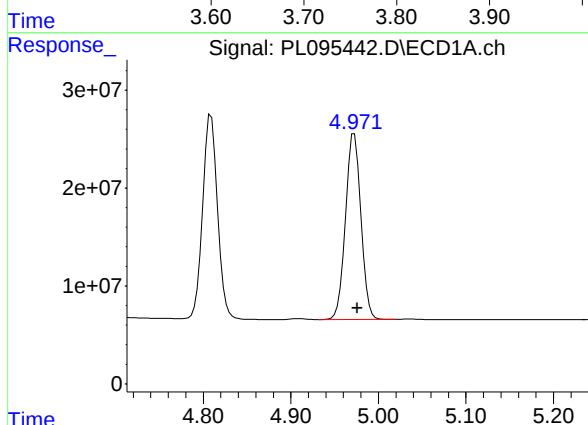
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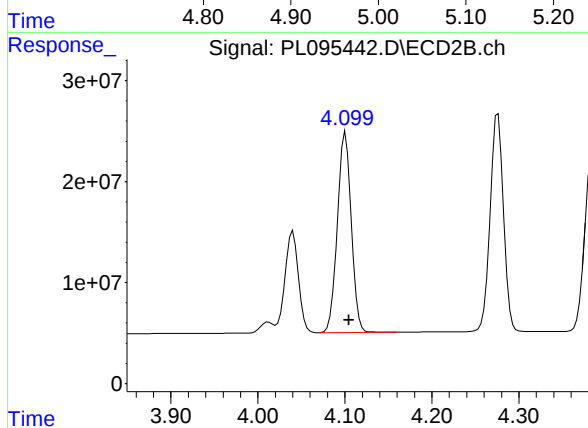
#3 gamma-BHC (Lindane)

R.T.: 3.747 min  
Delta R.T.: -0.003 min  
Response: 232196492  
Conc: 52.79 ng/ml



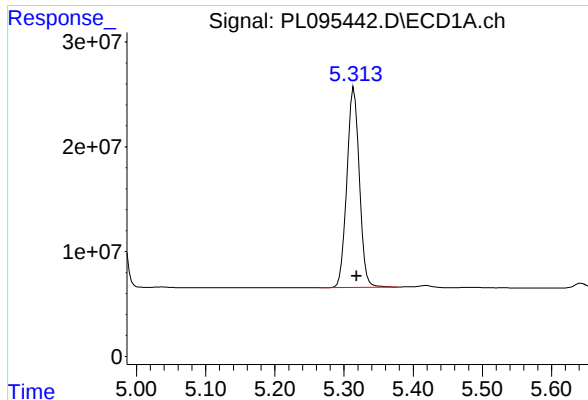
#4 Heptachlor

R.T.: 4.973 min  
Delta R.T.: -0.003 min  
Response: 231660801  
Conc: 50.64 ng/ml



#4 Heptachlor

R.T.: 4.101 min  
Delta R.T.: -0.004 min  
Response: 220487445  
Conc: 50.61 ng/ml



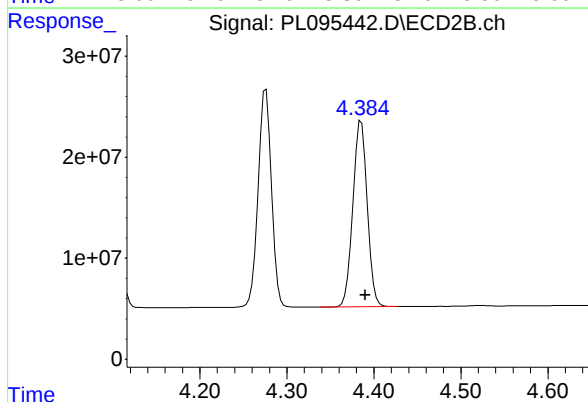
#5 Aldrin

R.T.: 5.314 min  
Delta R.T.: -0.004 min  
Response: 239369244  
Conc: 52.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

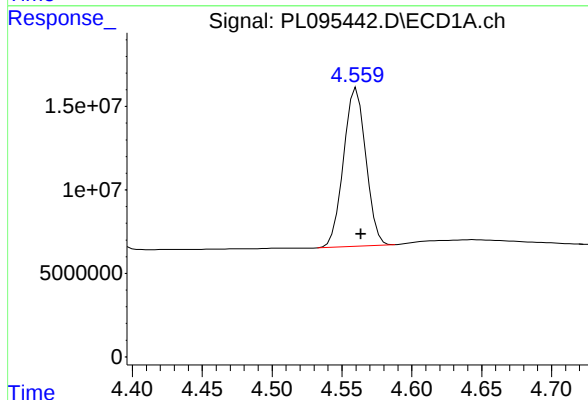
Manual Integrations  
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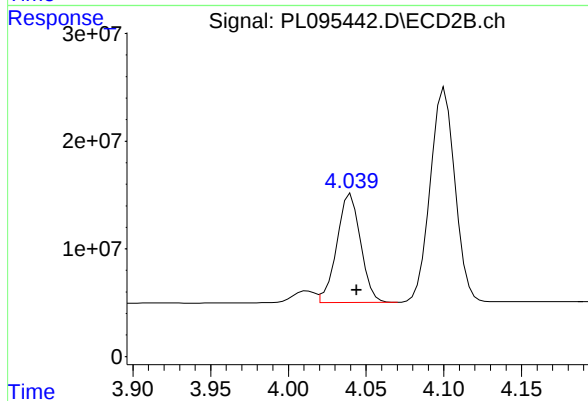
#5 Aldrin

R.T.: 4.386 min  
Delta R.T.: -0.004 min  
Response: 213086005  
Conc: 51.77 ng/ml



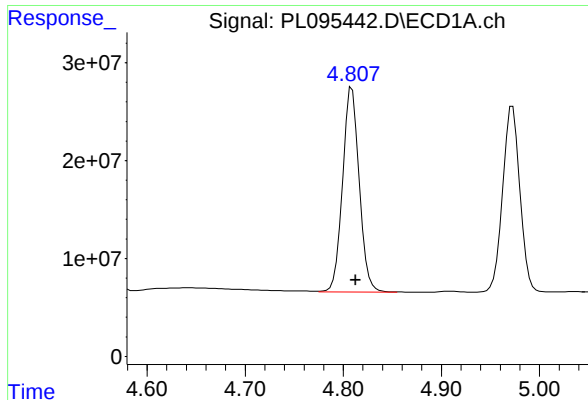
#6 beta-BHC

R.T.: 4.560 min  
Delta R.T.: -0.003 min  
Response: 105713874  
Conc: 51.13 ng/ml



#6 beta-BHC

R.T.: 4.040 min  
Delta R.T.: -0.004 min  
Response: 107403202  
Conc: 51.74 ng/ml



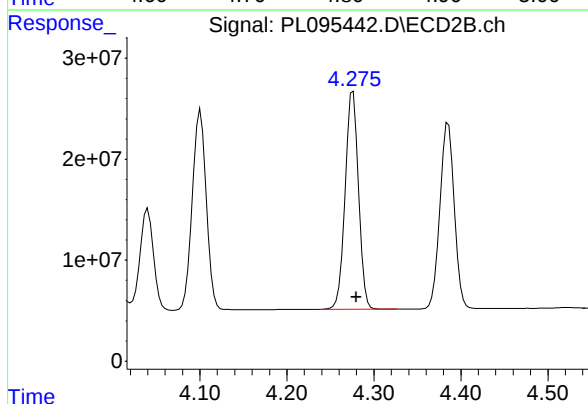
#7 delta-BHC

R.T.: 4.807 min  
Delta R.T.: -0.005 min  
Response: 246637097  
Conc: 53.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

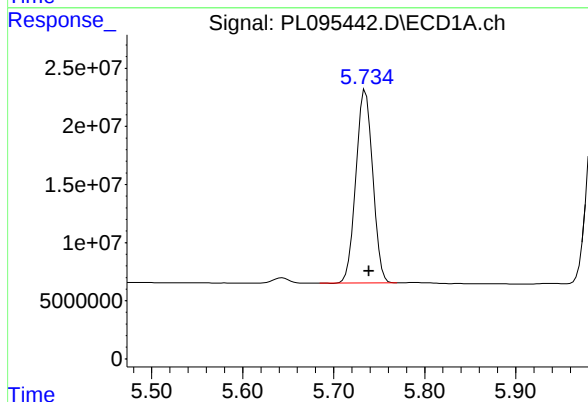
Manual Integrations  
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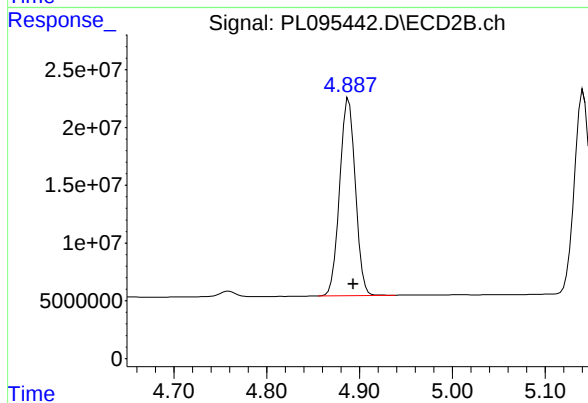
#7 delta-BHC

R.T.: 4.276 min  
Delta R.T.: -0.004 min  
Response: 232150594  
Conc: 52.98 ng/ml



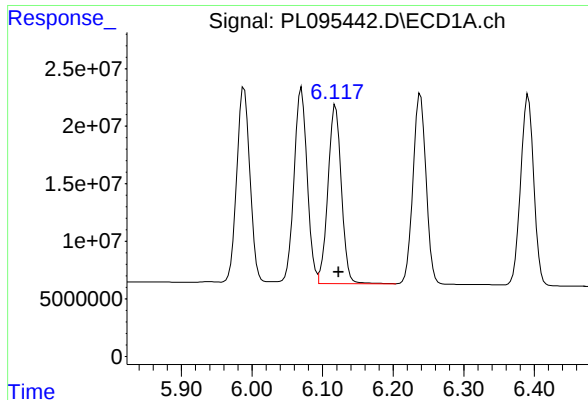
#8 Heptachlor epoxide

R.T.: 5.735 min  
Delta R.T.: -0.004 min  
Response: 214998835  
Conc: 53.68 ng/ml



#8 Heptachlor epoxide

R.T.: 4.888 min  
Delta R.T.: -0.005 min  
Response: 200739473  
Conc: 51.97 ng/ml



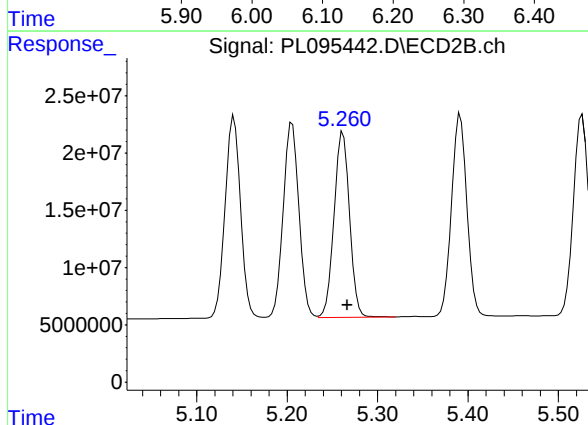
#9 Endosulfan I

R.T.: 6.119 min  
Delta R.T.: -0.004 min  
Response: 206198191  
Conc: 54.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

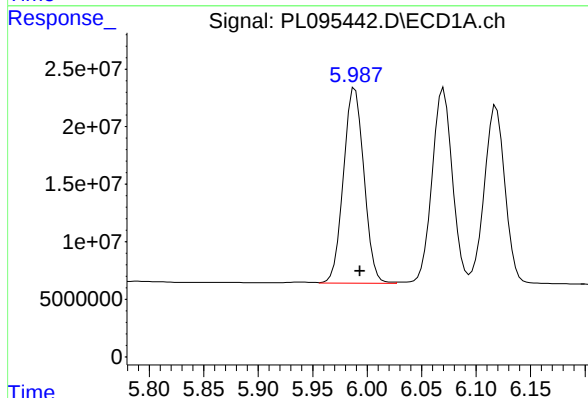
Manual Integrations  
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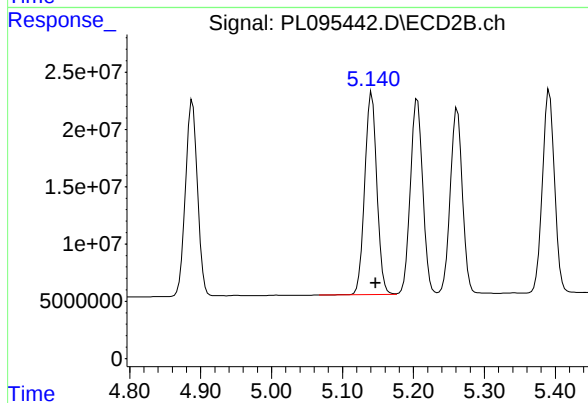
#9 Endosulfan I

R.T.: 5.262 min  
Delta R.T.: -0.005 min  
Response: 192382261  
Conc: 52.56 ng/ml



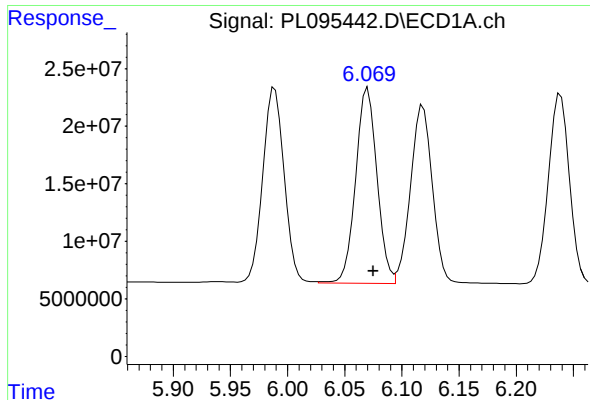
#10 gamma-Chlordane

R.T.: 5.989 min  
Delta R.T.: -0.005 min  
Response: 222046131  
Conc: 54.43 ng/ml



#10 gamma-Chlordane

R.T.: 5.141 min  
Delta R.T.: -0.005 min  
Response: 209516921  
Conc: 51.70 ng/ml



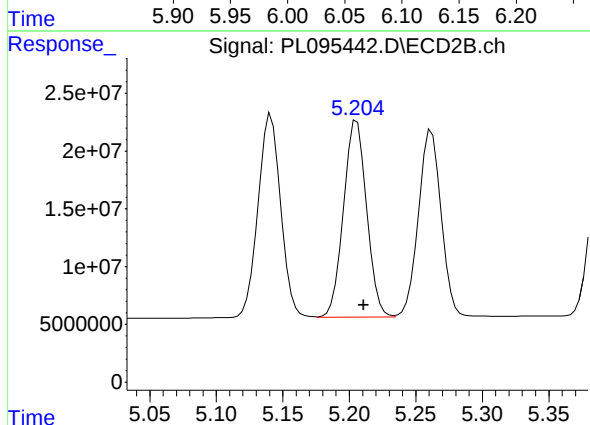
#11 alpha-Chlordane

R.T.: 6.070 min  
Delta R.T.: -0.005 min  
Response: 220622387  
Conc: 54.26 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

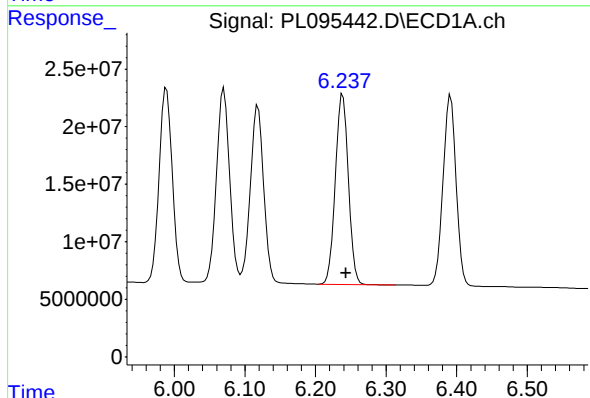
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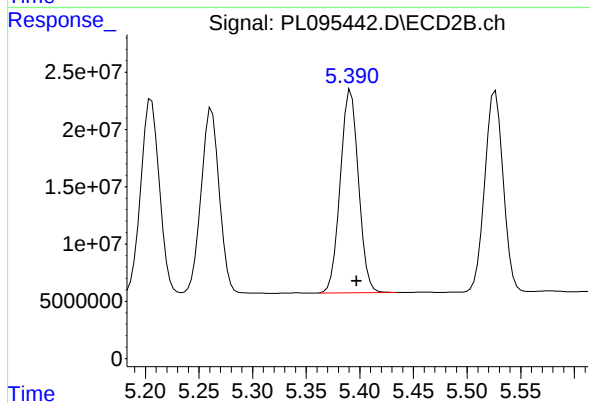
#11 alpha-Chlordane

R.T.: 5.206 min  
Delta R.T.: -0.005 min  
Response: 206356726  
Conc: 51.83 ng/ml



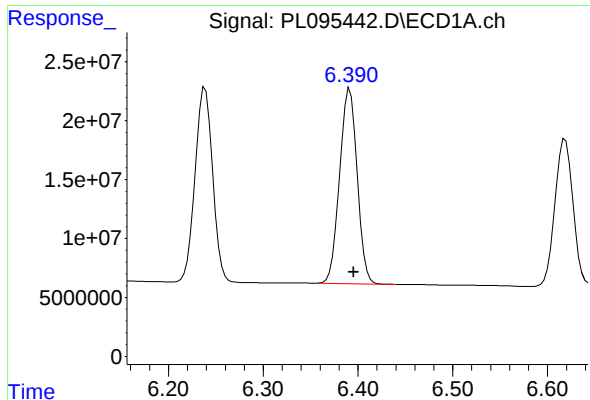
#12 4,4'-DDE

R.T.: 6.239 min  
Delta R.T.: -0.004 min  
Response: 213568133  
Conc: 54.47 ng/ml



#12 4,4'-DDE

R.T.: 5.392 min  
Delta R.T.: -0.005 min  
Response: 208950665  
Conc: 51.38 ng/ml



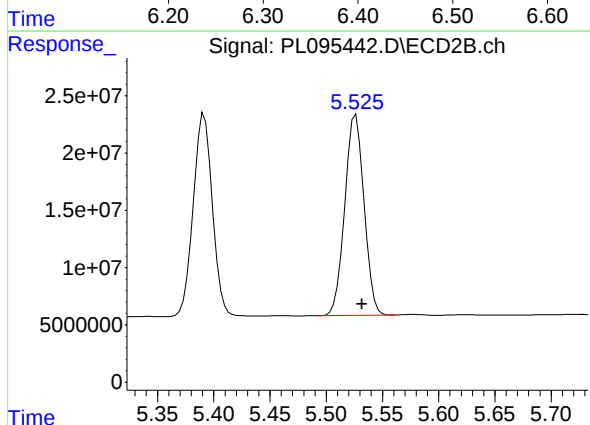
#13 Dieldrin

R.T.: 6.391 min  
Delta R.T.: -0.004 min  
Response: 212479933  
Conc: 55.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

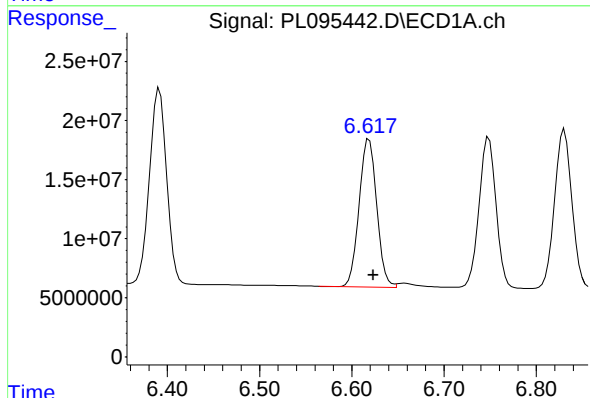
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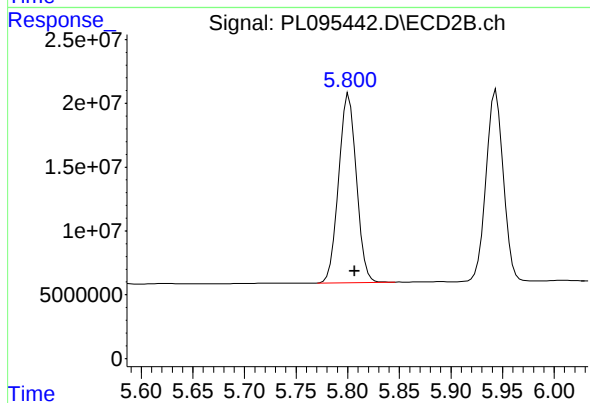
#13 Dieldrin

R.T.: 5.526 min  
Delta R.T.: -0.005 min  
Response: 209120985  
Conc: 51.42 ng/ml



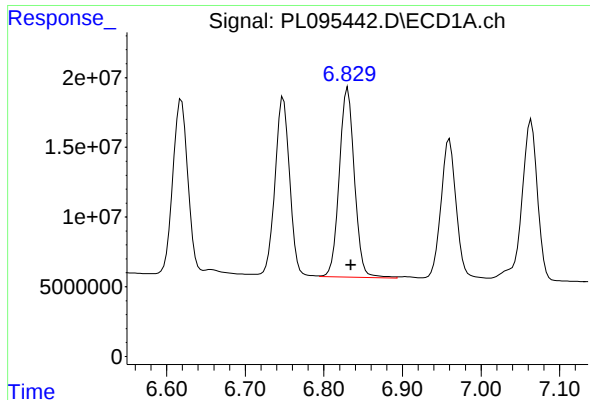
#14 Endrin

R.T.: 6.619 min  
Delta R.T.: -0.004 min  
Response: 166586501  
Conc: 52.31 ng/ml



#14 Endrin

R.T.: 5.801 min  
Delta R.T.: -0.006 min  
Response: 177005235  
Conc: 48.62 ng/ml



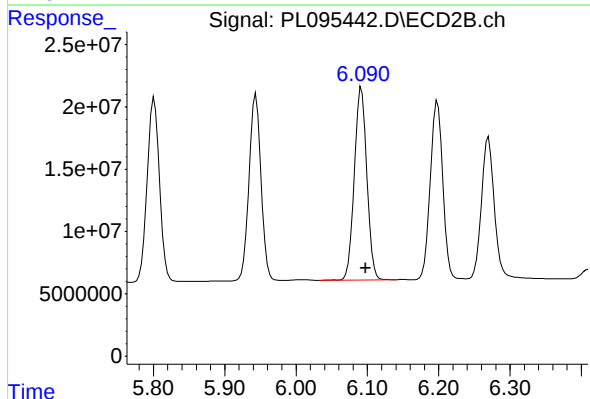
#15 Endosulfan II

R.T.: 6.831 min  
Delta R.T.: -0.004 min  
Response: 181808175  
Conc: 56.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

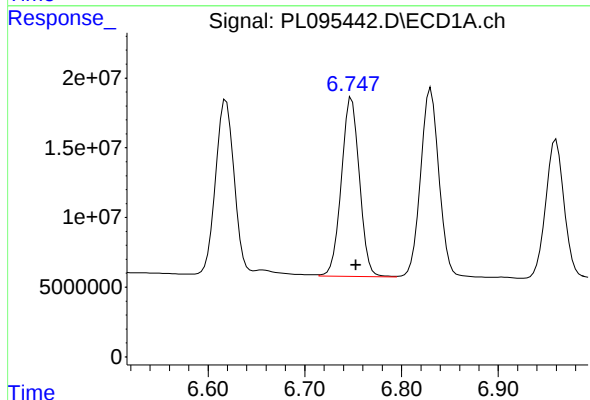
Manual Integrations  
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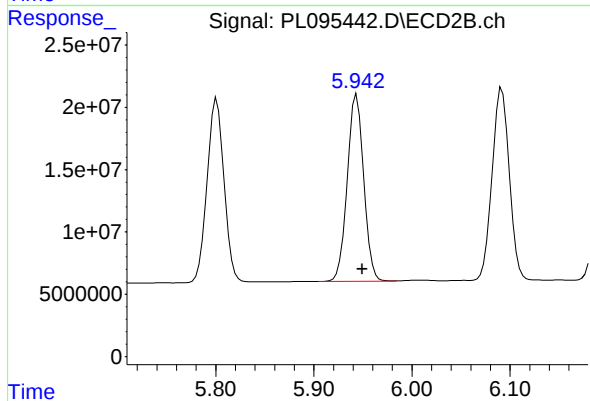
#15 Endosulfan II

R.T.: 6.092 min  
Delta R.T.: -0.006 min  
Response: 188795863  
Conc: 52.57 ng/ml



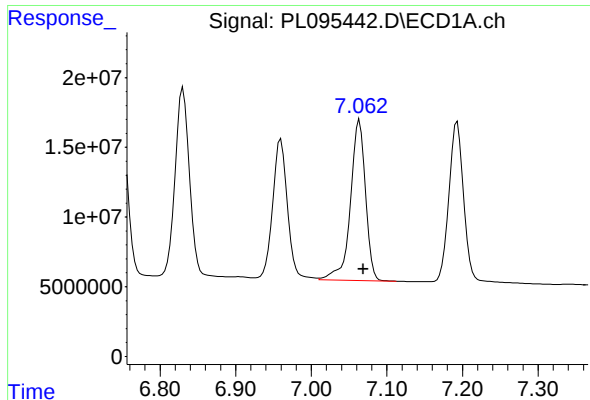
#16 4,4'-DDD

R.T.: 6.749 min  
Delta R.T.: -0.004 min  
Response: 166203747  
Conc: 58.71 ng/ml



#16 4,4'-DDD

R.T.: 5.944 min  
Delta R.T.: -0.006 min  
Response: 174922118  
Conc: 53.55 ng/ml



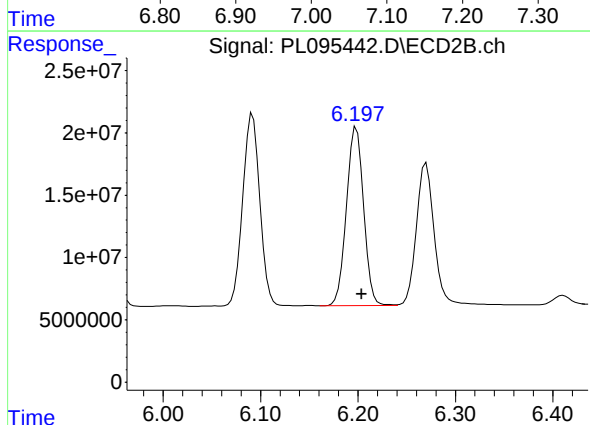
#17 4,4'-DDT

R.T.: 7.064 min  
Delta R.T.: -0.005 min  
Response: 159873682  
Conc: 56.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

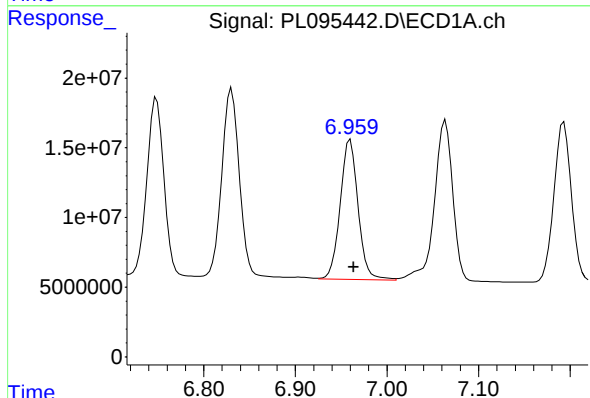
Manual Integrations  
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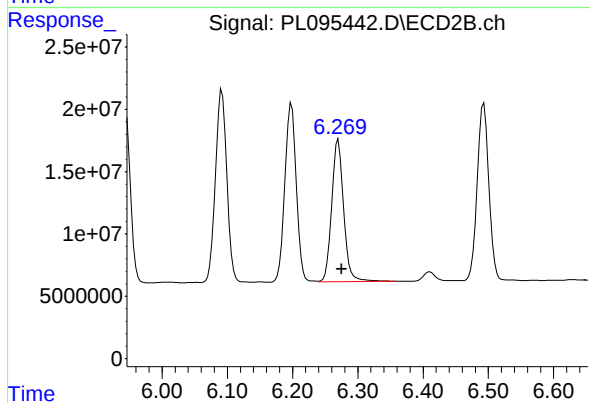
#17 4,4'-DDT

R.T.: 6.198 min  
Delta R.T.: -0.005 min  
Response: 174826274  
Conc: 50.88 ng/ml



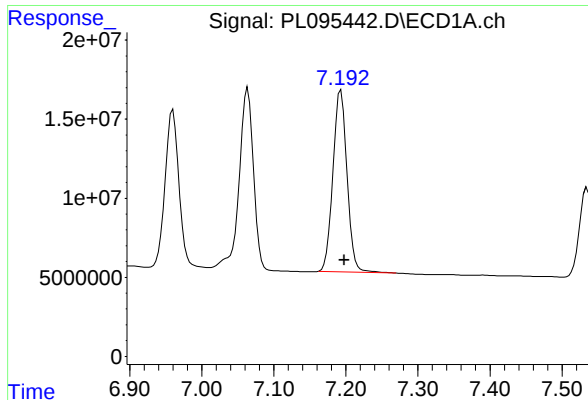
#18 Endrin aldehyde

R.T.: 6.960 min  
Delta R.T.: -0.004 min  
Response: 136513657  
Conc: 58.82 ng/ml



#18 Endrin aldehyde

R.T.: 6.270 min  
Delta R.T.: -0.005 min  
Response: 144491719  
Conc: 55.29 ng/ml



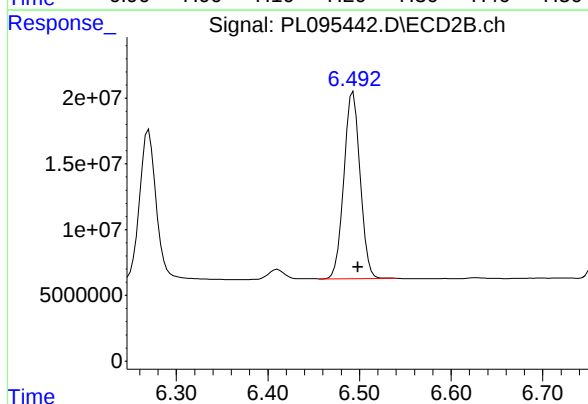
#19 Endosulfan Sulfate

R.T.: 7.193 min  
Delta R.T.: -0.005 min  
Response: 154730202  
Conc: 55.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

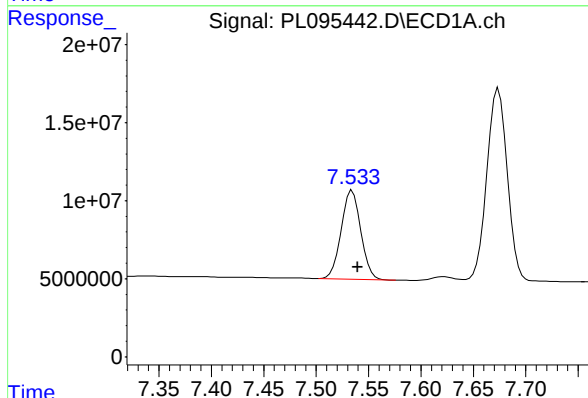
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Reviewed By :Abdul Mirza 04/29/2025  
Supervised By :mohammad ahmed 05/02/2025



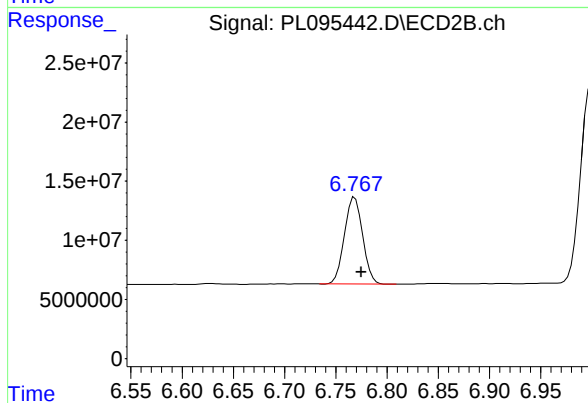
#19 Endosulfan Sulfate

R.T.: 6.493 min  
Delta R.T.: -0.005 min  
Response: 175690775  
Conc: 52.95 ng/ml



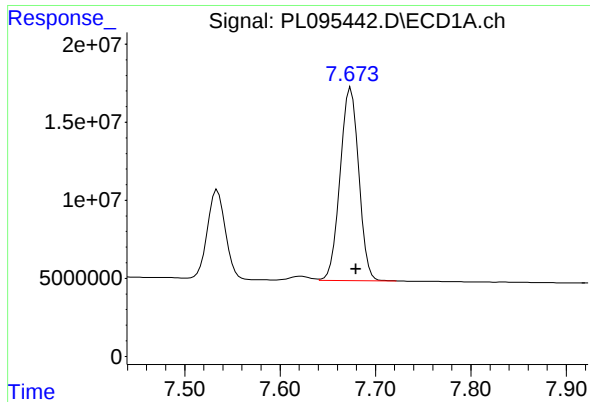
#20 Methoxychlor

R.T.: 7.534 min  
Delta R.T.: -0.005 min  
Response: 74241669  
Conc: 53.21 ng/ml



#20 Methoxychlor

R.T.: 6.768 min  
Delta R.T.: -0.006 min  
Response: 90721249  
Conc: 47.56 ng/ml



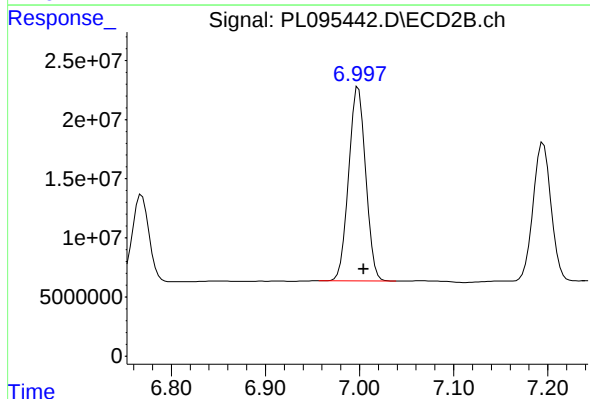
#21 Endrin ketone

R.T.: 7.674 min  
Delta R.T.: -0.005 min  
Response: 167563426  
Conc: 58.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

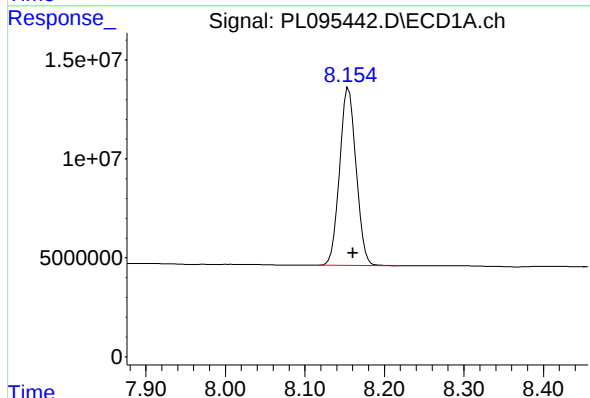
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/29/2025  
Supervised By :mohammad ahmed 05/02/2025



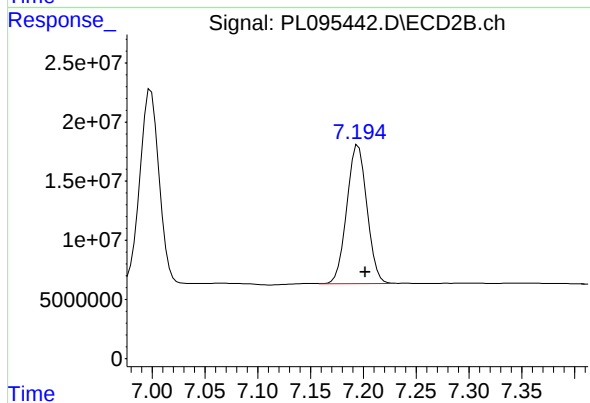
#21 Endrin ketone

R.T.: 6.999 min  
Delta R.T.: -0.006 min  
Response: 206495278  
Conc: 58.64 ng/ml



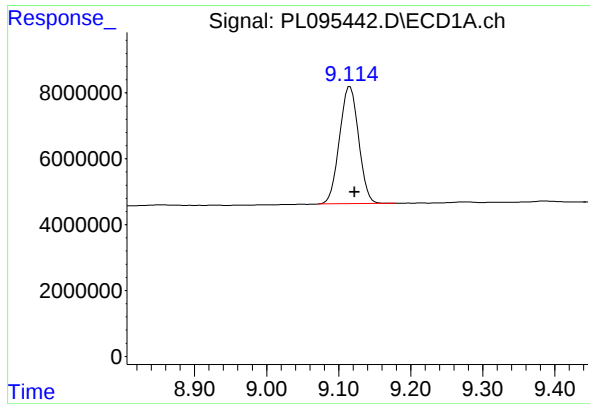
#22 Mirex

R.T.: 8.155 min  
Delta R.T.: -0.006 min  
Response: 129133243  
Conc: 54.35 ng/ml



#22 Mirex

R.T.: 7.194 min  
Delta R.T.: -0.008 min  
Response: 155595564  
Conc: 53.98 ng/ml m



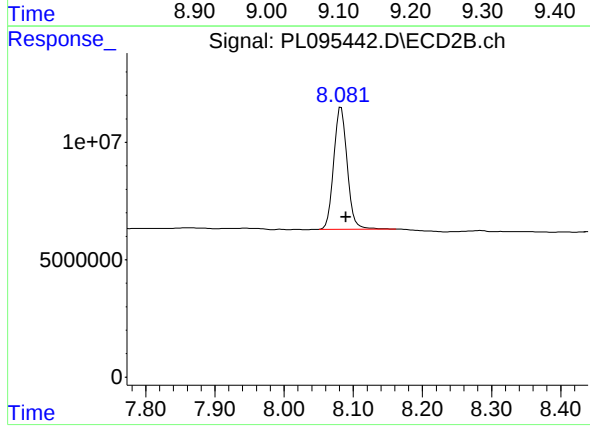
#28 Decachlorobiphenyl

R.T.: 9.116 min  
Delta R.T.: -0.007 min  
Response: 65376502  
Conc: 23.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB167766BS

Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 04/29/2025  
Supervised By :mohammad ahmed 05/02/2025



#28 Decachlorobiphenyl

R.T.: 8.082 min  
Delta R.T.: -0.007 min  
Response: 70362619  
Conc: 23.78 ng/ml