

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111324\  
 Data File : PL093041.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 Nov 2024 17:15  
 Operator : AR\AJ  
 Sample : PB164960BS  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB164960BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/14/2024  
 Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 14 00:35:56 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Oct 28 18:58:23 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... | 3.537 | 2.776 | 45427192 | 46543539 | 18.540m | 17.104  |
| 2)                          | SA Decachlor... | 9.054 | 7.913 | 31859136 | 46485105 | 16.554  | 17.032  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.995 | 3.279 | 175.5E6  | 223.8E6  | 51.753  | 56.081  |
| 3)                          | MA gamma-BHC... | 4.328 | 3.609 | 166.3E6  | 213.3E6  | 51.021  | 55.260  |
| 4)                          | MA Heptachlor   | 4.916 | 3.948 | 156.1E6  | 220.0E6  | 51.973  | 58.291  |
| 5)                          | MB Aldrin       | 5.257 | 4.228 | 149.1E6  | 210.2E6  | 49.673  | 57.435  |
| 6)                          | B beta-BHC      | 4.525 | 3.909 | 77189516 | 95842507 | 53.401  | 58.219  |
| 7)                          | B delta-BHC     | 4.773 | 4.138 | 132.1E6  | 180.3E6  | 42.215  | 46.916  |
| 8)                          | B Heptachlo...  | 5.684 | 4.730 | 138.7E6  | 193.7E6  | 50.224  | 57.970  |
| 9)                          | A Endosulfan I  | 6.069 | 5.100 | 127.6E6  | 179.4E6  | 51.013  | 58.753  |
| 10)                         | B gamma-Chl...  | 5.940 | 4.979 | 134.1E6  | 204.7E6  | 50.398  | 60.887m |
| 11)                         | B alpha-Chl...  | 6.019 | 5.044 | 136.4E6  | 200.7E6  | 51.525  | 60.343  |
| 12)                         | B 4,4'-DDE      | 6.192 | 5.233 | 125.0E6  | 196.9E6  | 52.773  | 61.110  |
| 13)                         | MA Dieldrin     | 6.344 | 5.364 | 134.7E6  | 196.9E6  | 51.105  | 58.961  |
| 14)                         | MA Endrin       | 6.572 | 5.638 | 114.8E6  | 175.1E6  | 50.440m | 60.535m |
| 15)                         | B Endosulfa...  | 6.793 | 5.934 | 123.7E6  | 170.7E6  | 51.883  | 60.257  |
| 16)                         | A 4,4'-DDD      | 6.708 | 5.788 | 104.0E6  | 153.3E6  | 54.163m | 61.573  |
| 17)                         | MA 4,4'-DDT     | 7.021 | 6.036 | 105.5E6  | 157.2E6  | 50.951m | 58.597m |
| 18)                         | B Endrin al...  | 6.923 | 6.113 | 93750363 | 131.1E6  | 49.921m | 56.808  |
| 19)                         | B Endosulfa...  | 7.158 | 6.336 | 105.9E6  | 153.1E6  | 48.792  | 56.763  |
| 20)                         | A Methoxychlor  | 7.499 | 6.612 | 58286222 | 81563584 | 51.128  | 57.116  |
| 21)                         | B Endrin ke...  | 7.642 | 6.840 | 123.9E6  | 179.8E6  | 51.120  | 58.592m |
| 22)                         | Mirex           | 8.116 | 7.022 | 91799847 | 136.4E6  | 46.324  | 52.266  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL111324\  
Data File : PL093041.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 13 Nov 2024 17:15  
Operator : AR\AJ  
Sample : PB164960BS  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB164960BS

## Manual Integrations

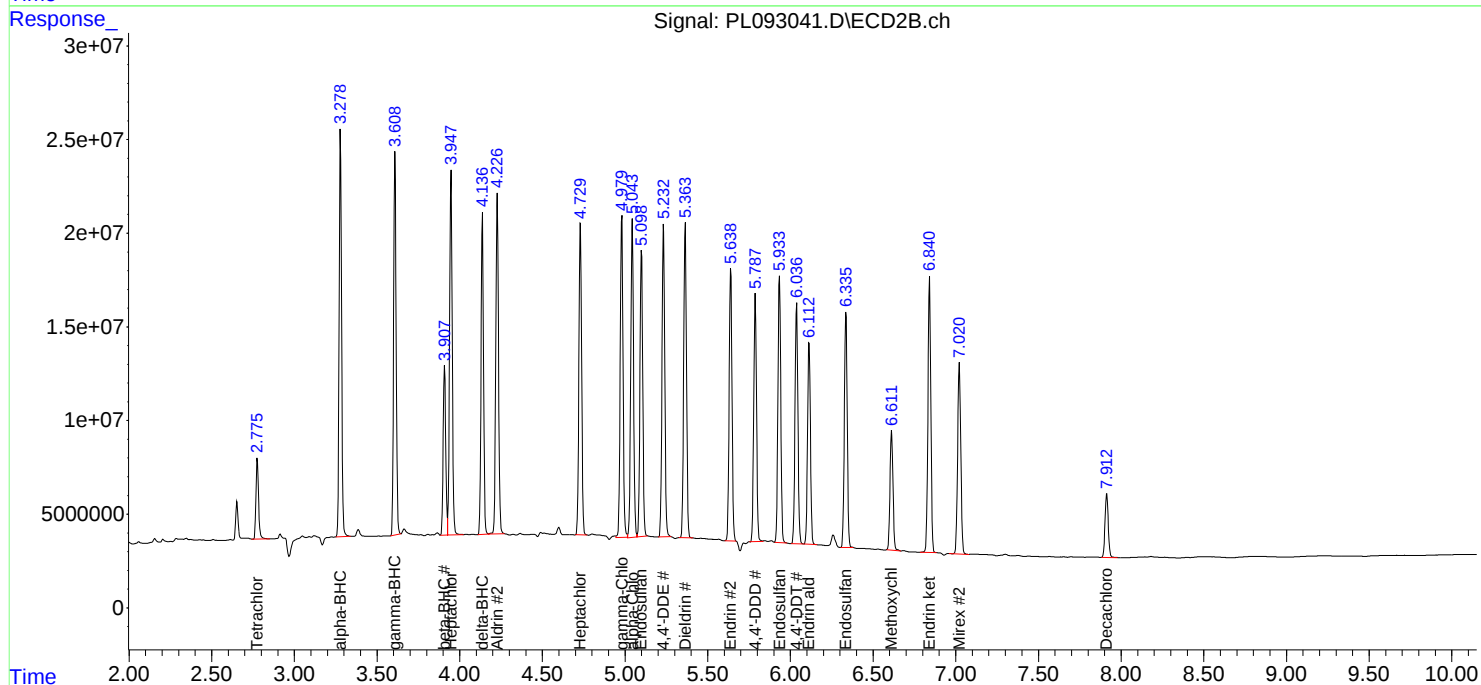
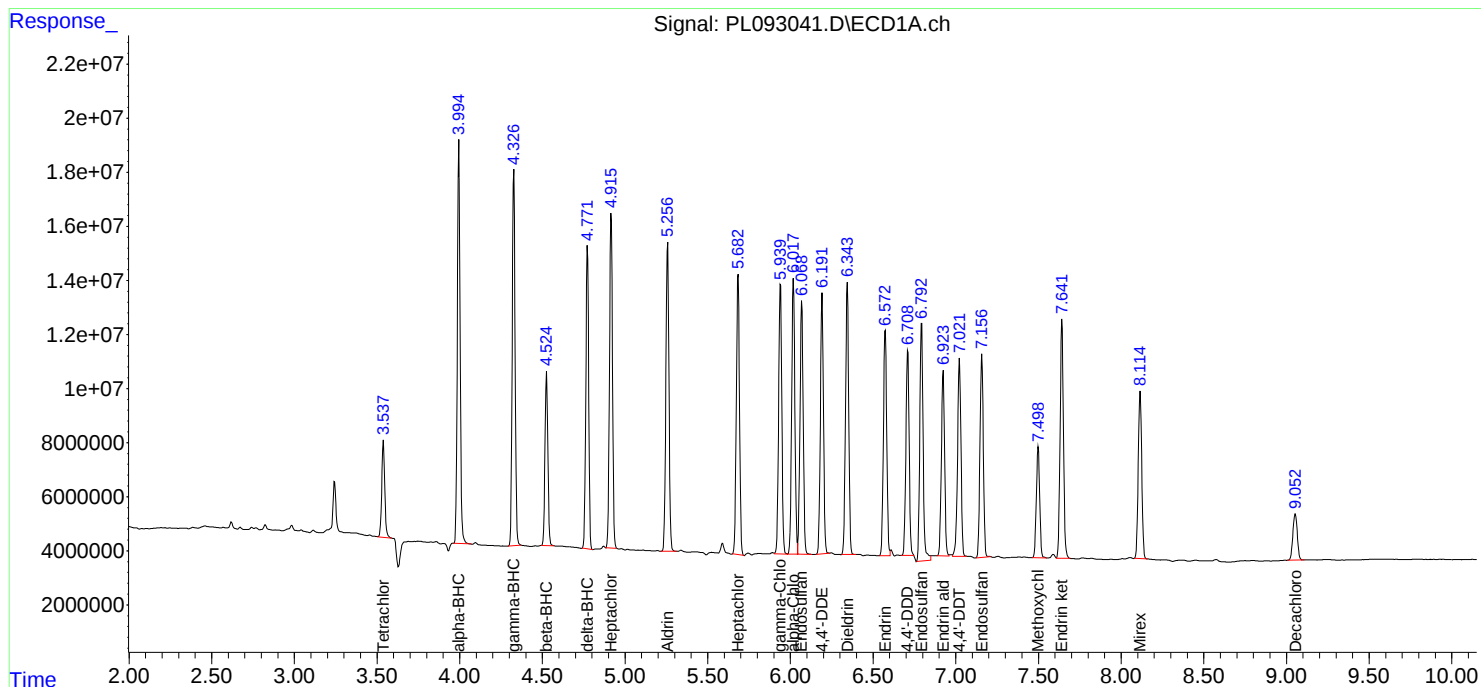
## APPROVED

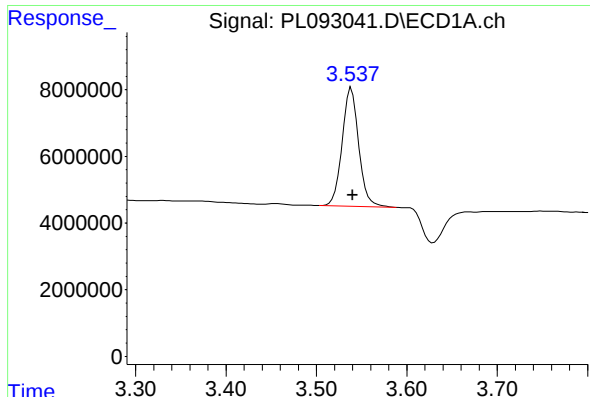
Reviewed By :Yogesh Patel 11/14/2024

Supervised By :Ankita Jodhani 11/14/2024

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 14 00:35:56 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL102824.M  
Quant Title : GC Extractables  
QLast Update : Mon Oct 28 18:58:23 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





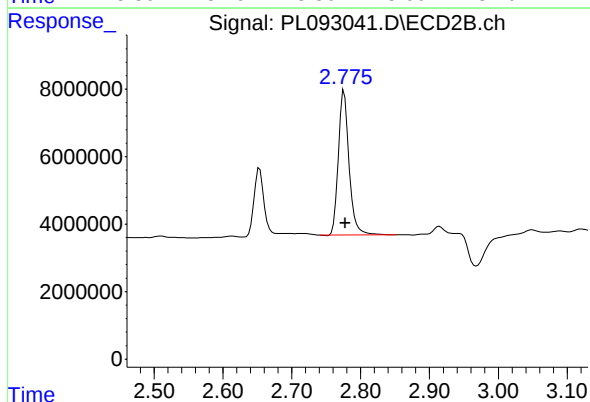
#1 Tetrachloro-m-xylene

R.T.: 3.537 min  
Delta R.T.: -0.003 min  
Response: 45427192  
Conc: 18.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

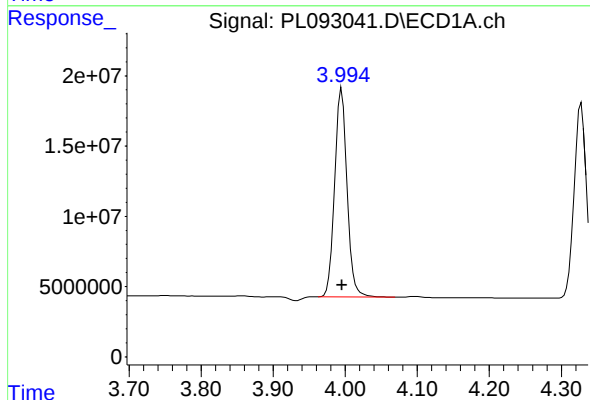
Manual Integrations  
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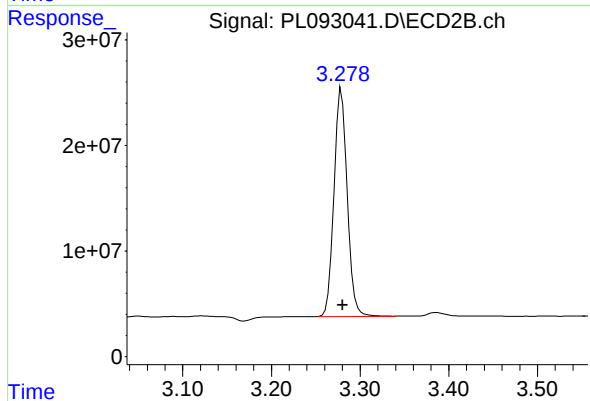
#1 Tetrachloro-m-xylene

R.T.: 2.776 min  
Delta R.T.: -0.002 min  
Response: 46543539  
Conc: 17.10 ng/ml



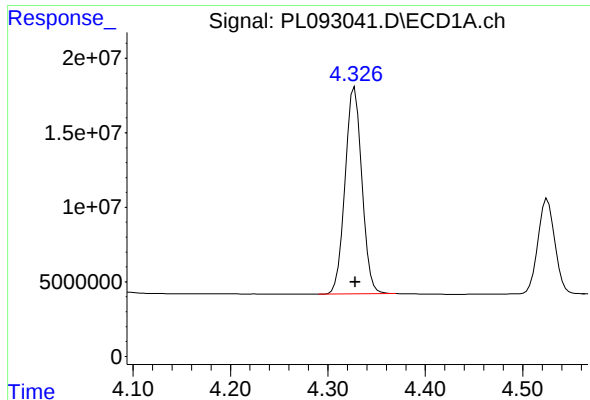
#2 alpha-BHC

R.T.: 3.995 min  
Delta R.T.: 0.000 min  
Response: 175522563  
Conc: 51.75 ng/ml



#2 alpha-BHC

R.T.: 3.279 min  
Delta R.T.: -0.001 min  
Response: 223771500  
Conc: 56.08 ng/ml



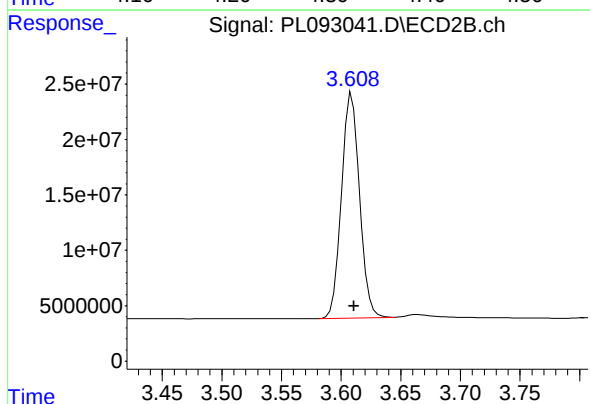
#3 gamma-BHC (Lindane)

R.T.: 4.328 min  
Delta R.T.: 0.000 min  
Response: 166305120  
Conc: 51.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

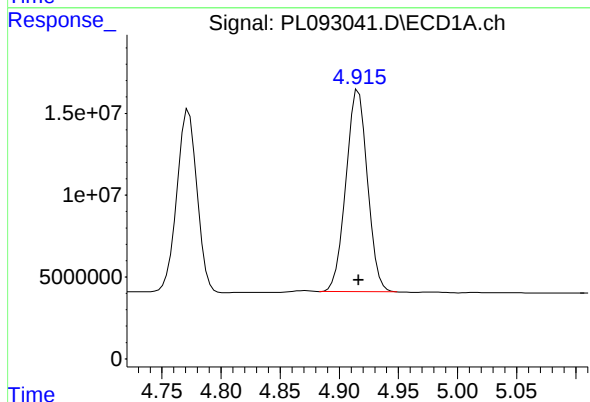
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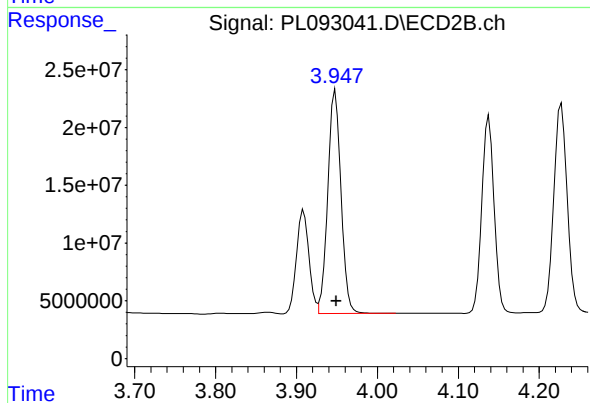
#3 gamma-BHC (Lindane)

R.T.: 3.609 min  
Delta R.T.: -0.002 min  
Response: 213275152  
Conc: 55.26 ng/ml



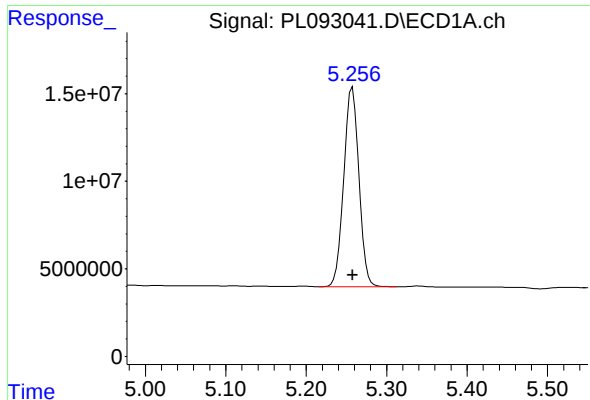
#4 Heptachlor

R.T.: 4.916 min  
Delta R.T.: 0.000 min  
Response: 156081633  
Conc: 51.97 ng/ml



#4 Heptachlor

R.T.: 3.948 min  
Delta R.T.: -0.001 min  
Response: 219985744  
Conc: 58.29 ng/ml



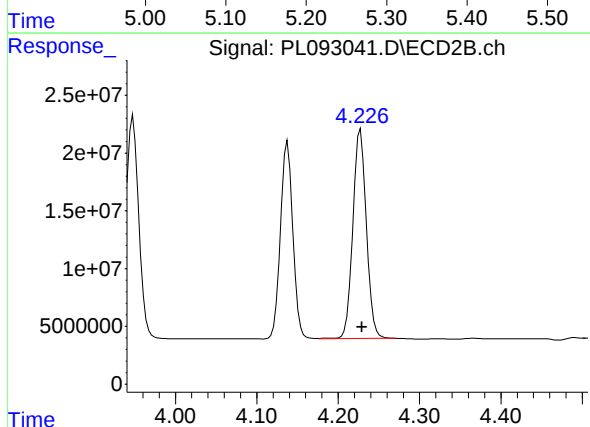
#5 Aldrin

R.T.: 5.257 min  
Delta R.T.: 0.000 min  
Response: 149091582  
Conc: 49.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

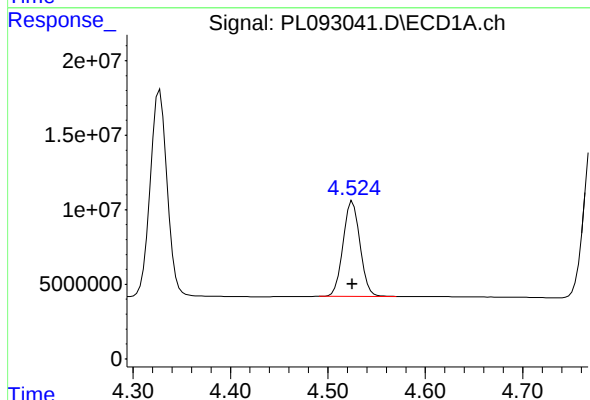
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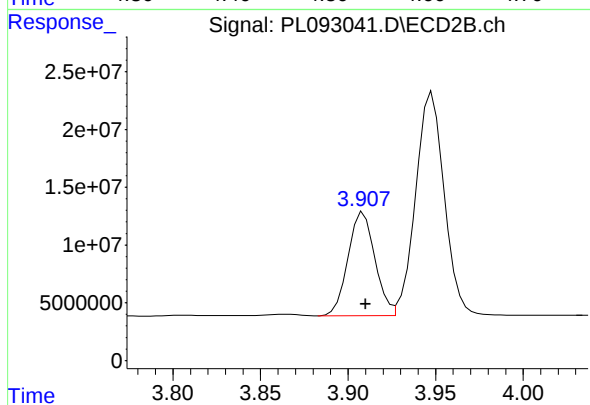
#5 Aldrin

R.T.: 4.228 min  
Delta R.T.: -0.002 min  
Response: 210224943  
Conc: 57.44 ng/ml



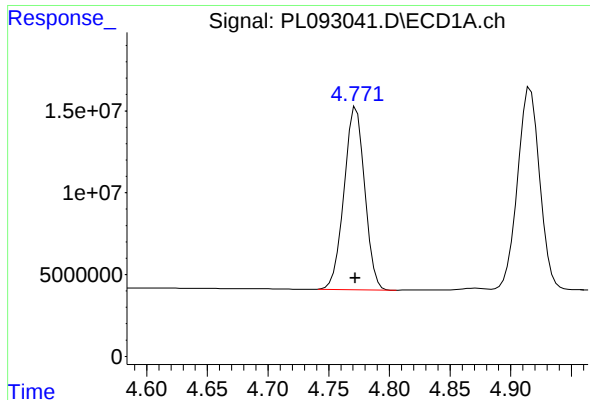
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 77189516  
Conc: 53.40 ng/ml



#6 beta-BHC

R.T.: 3.909 min  
Delta R.T.: -0.001 min  
Response: 95842507  
Conc: 58.22 ng/ml



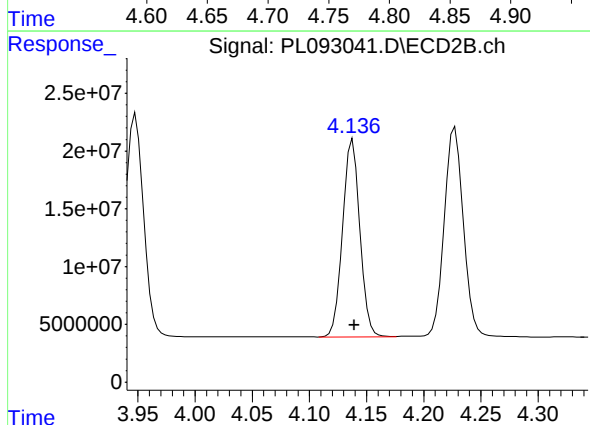
#7 delta-BHC

R.T.: 4.773 min  
Delta R.T.: 0.000 min  
Response: 132128029  
Conc: 42.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

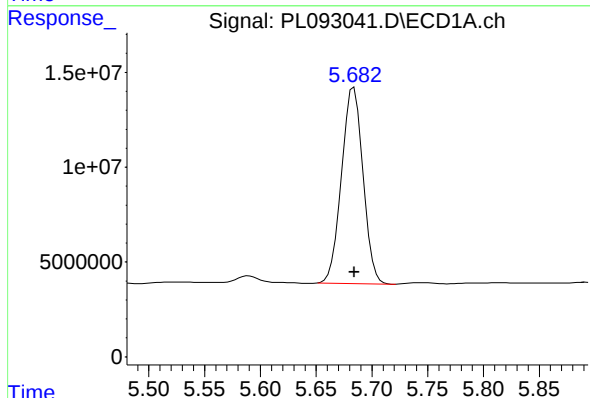
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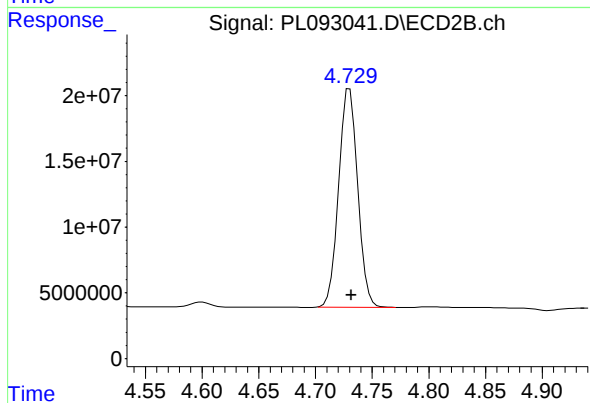
#7 delta-BHC

R.T.: 4.138 min  
Delta R.T.: -0.001 min  
Response: 180304339  
Conc: 46.92 ng/ml



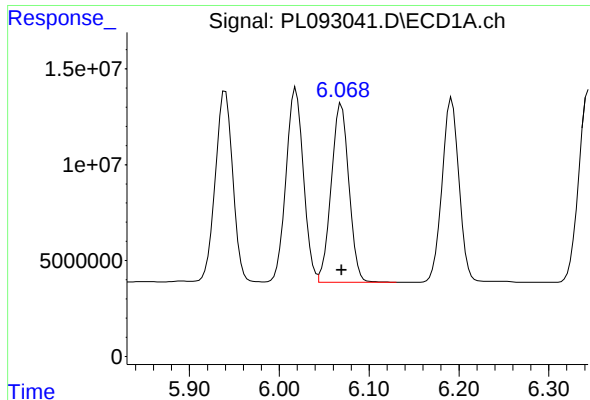
#8 Heptachlor epoxide

R.T.: 5.684 min  
Delta R.T.: 0.000 min  
Response: 138689763  
Conc: 50.22 ng/ml



#8 Heptachlor epoxide

R.T.: 4.730 min  
Delta R.T.: -0.002 min  
Response: 193701742  
Conc: 57.97 ng/ml



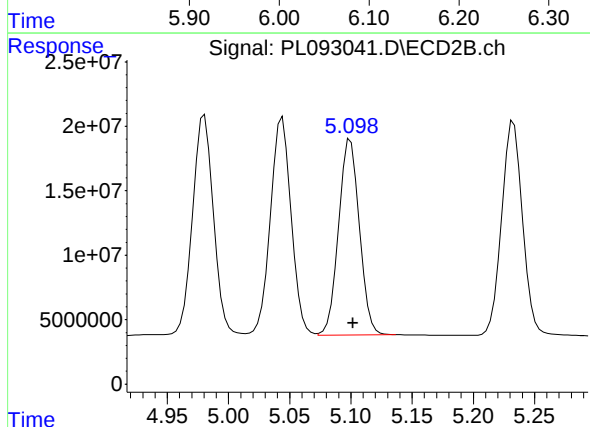
#9 Endosulfan I

R.T.: 6.069 min  
Delta R.T.: 0.000 min  
Response: 127601743  
Conc: 51.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

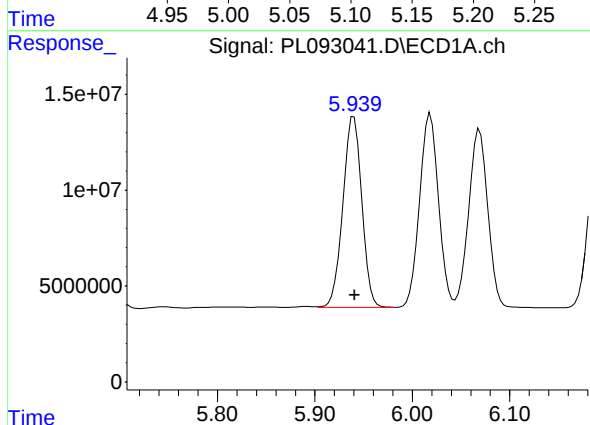
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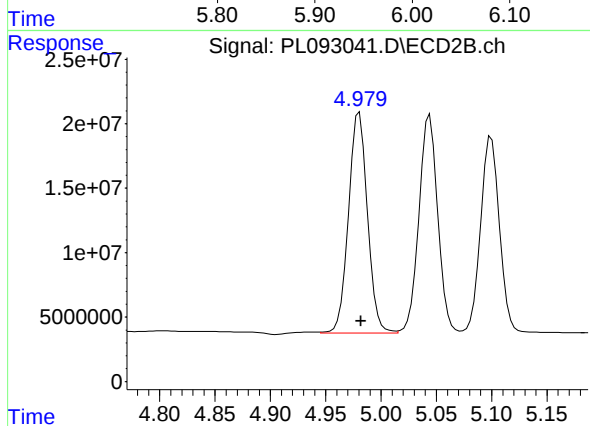
#9 Endosulfan I

R.T.: 5.100 min  
Delta R.T.: -0.002 min  
Response: 179380425  
Conc: 58.75 ng/ml



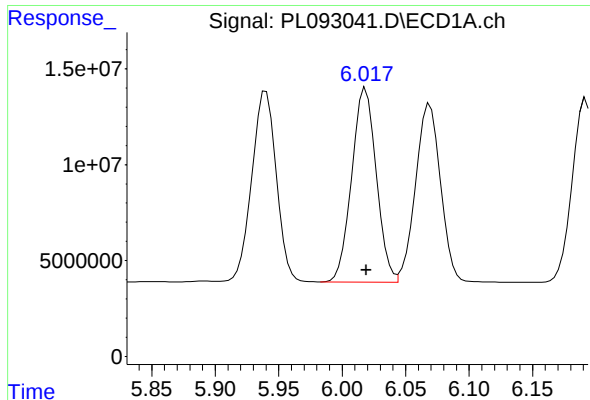
#10 gamma-Chlordane

R.T.: 5.940 min  
Delta R.T.: 0.000 min  
Response: 134091363  
Conc: 50.40 ng/ml



#10 gamma-Chlordane

R.T.: 4.979 min  
Delta R.T.: -0.003 min  
Response: 204683971  
Conc: 60.89 ng/ml m



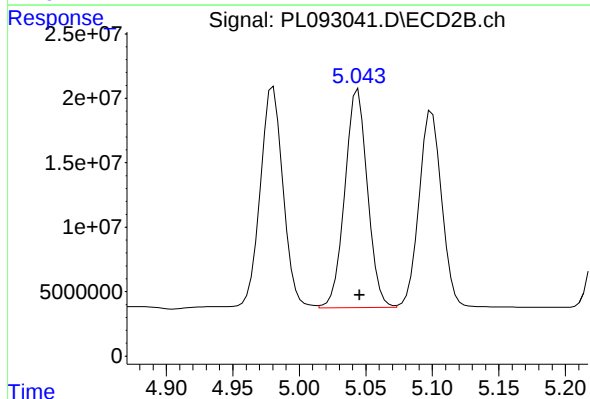
#11 alpha-Chlordane

R.T.: 6.019 min  
Delta R.T.: 0.000 min  
Response: 136444950  
Conc: 51.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

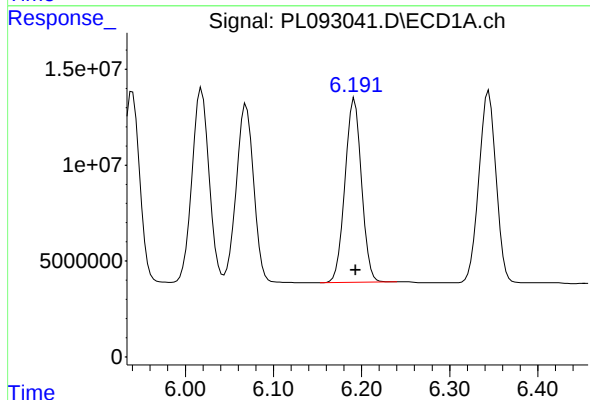
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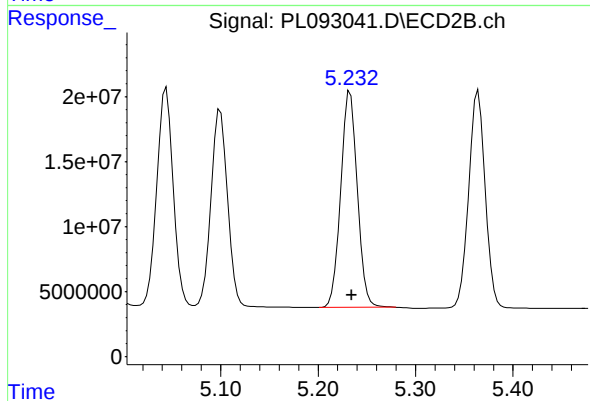
#11 alpha-Chlordane

R.T.: 5.044 min  
Delta R.T.: -0.001 min  
Response: 200703973  
Conc: 60.34 ng/ml



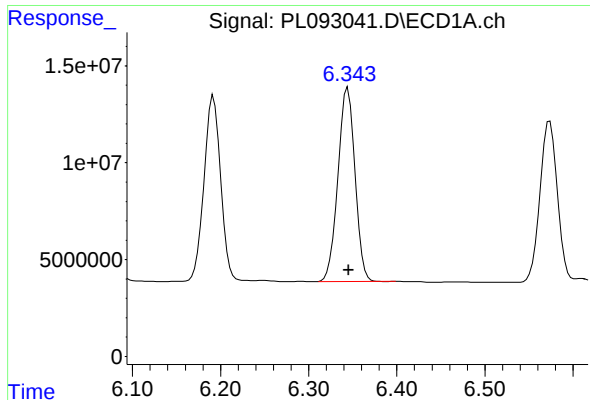
#12 4,4'-DDE

R.T.: 6.192 min  
Delta R.T.: -0.001 min  
Response: 125028261  
Conc: 52.77 ng/ml



#12 4,4'-DDE

R.T.: 5.233 min  
Delta R.T.: -0.002 min  
Response: 196871441  
Conc: 61.11 ng/ml



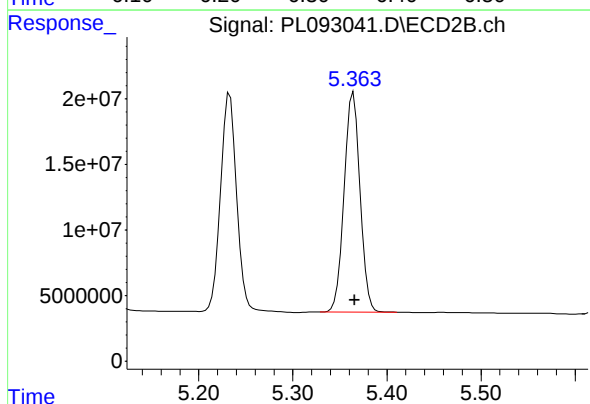
#13 Dieldrin

R.T.: 6.344 min  
Delta R.T.: 0.000 min  
Response: 134686922  
Conc: 51.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

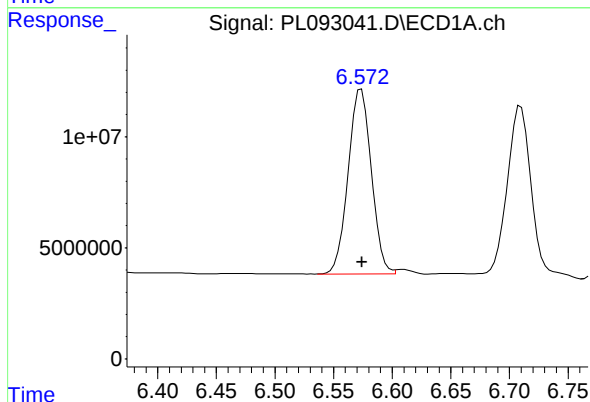
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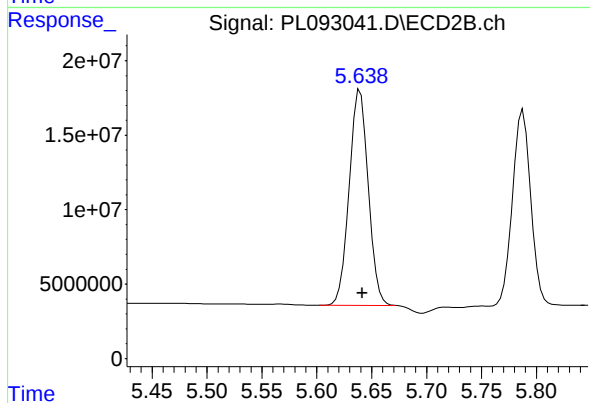
#13 Dieldrin

R.T.: 5.364 min  
Delta R.T.: -0.001 min  
Response: 196948339  
Conc: 58.96 ng/ml



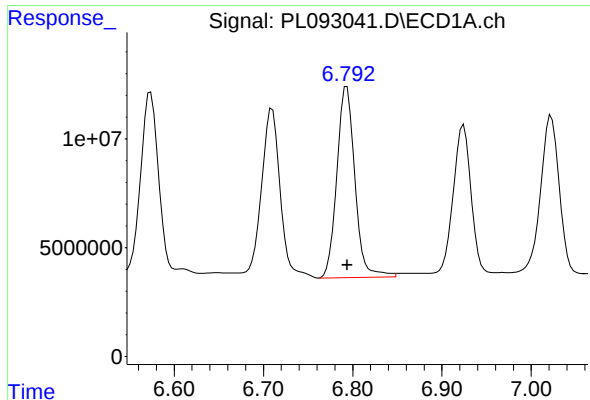
#14 Endrin

R.T.: 6.572 min  
Delta R.T.: -0.002 min  
Response: 114835473  
Conc: 50.44 ng/ml m



#14 Endrin

R.T.: 5.638 min  
Delta R.T.: -0.003 min  
Response: 175127651  
Conc: 60.53 ng/ml m



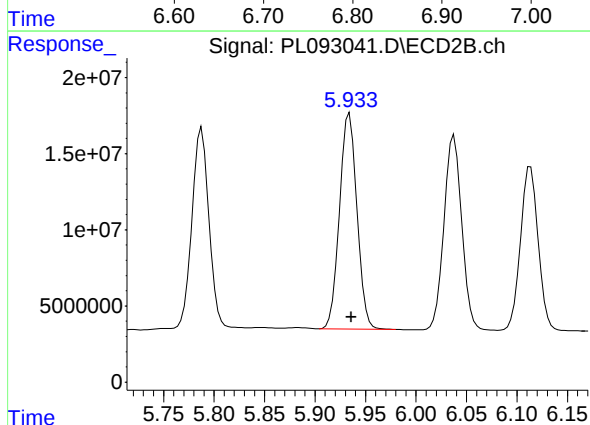
#15 Endosulfan II

R.T.: 6.793 min  
Delta R.T.: 0.000 min  
Response: 123680858  
Conc: 51.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

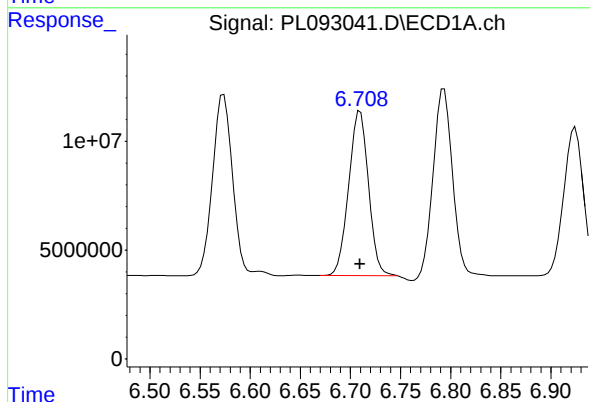
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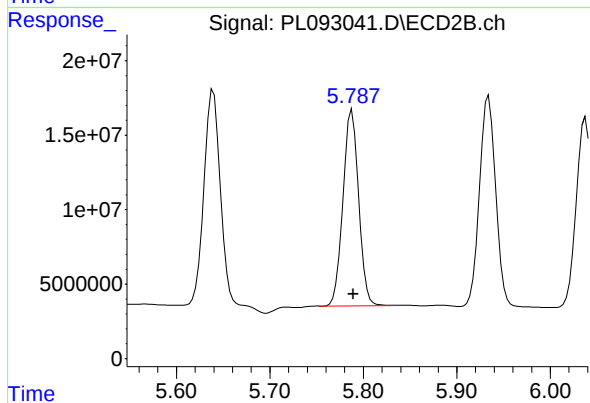
#15 Endosulfan II

R.T.: 5.934 min  
Delta R.T.: -0.002 min  
Response: 170726163  
Conc: 60.26 ng/ml



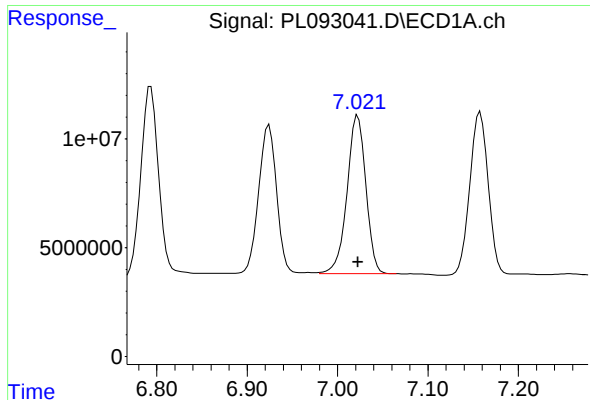
#16 4,4'-DDD

R.T.: 6.708 min  
Delta R.T.: -0.001 min  
Response: 103967447  
Conc: 54.16 ng/ml m



#16 4,4'-DDD

R.T.: 5.788 min  
Delta R.T.: -0.001 min  
Response: 153321485  
Conc: 61.57 ng/ml



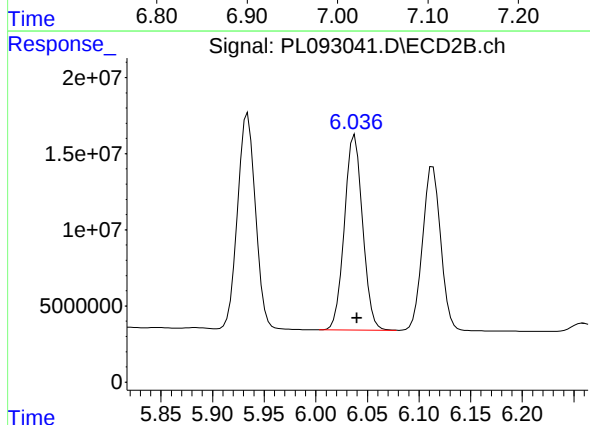
#17 4,4'-DDT

R.T.: 7.021 min  
Delta R.T.: -0.002 min  
Response: 105456252  
Conc: 50.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

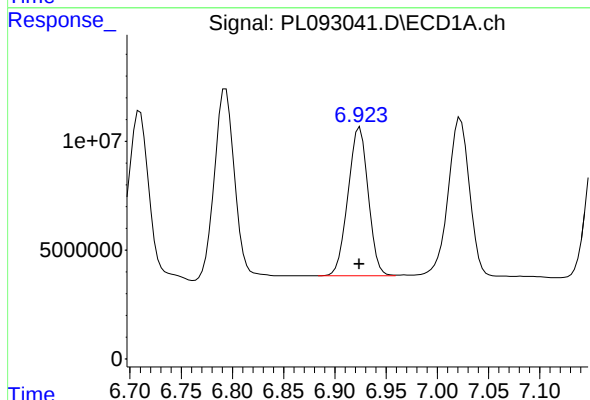
Manual Integrations  
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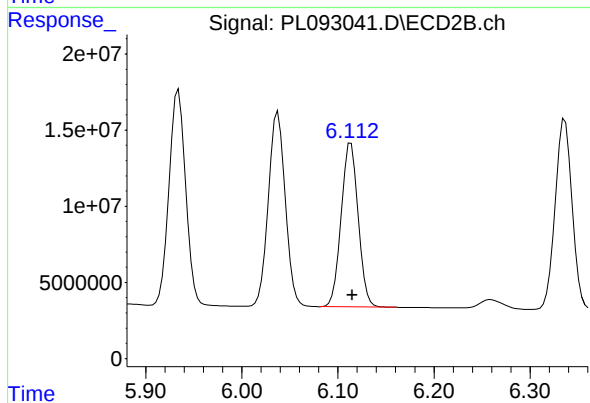
#17 4,4'-DDT

R.T.: 6.036 min  
Delta R.T.: -0.003 min  
Response: 157172643  
Conc: 58.60 ng/ml



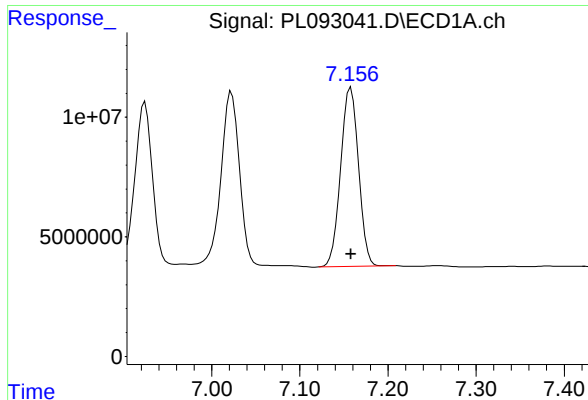
#18 Endrin aldehyde

R.T.: 6.923 min  
Delta R.T.: -0.001 min  
Response: 93750363  
Conc: 49.92 ng/ml



#18 Endrin aldehyde

R.T.: 6.113 min  
Delta R.T.: -0.002 min  
Response: 131071058  
Conc: 56.81 ng/ml



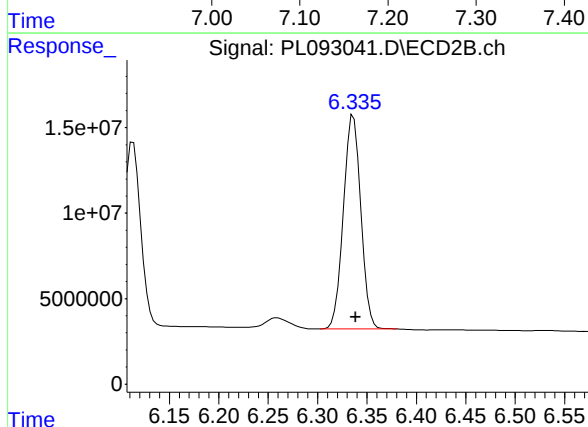
#19 Endosulfan Sulfate

R.T.: 7.158 min  
Delta R.T.: 0.000 min  
Response: 105895932  
Conc: 48.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

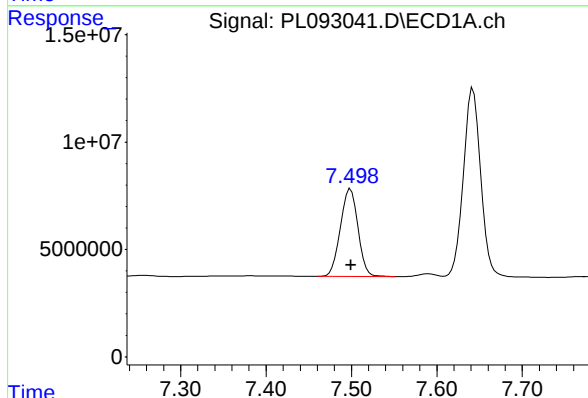
Manual Integrations  
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Reviewed By :Yogesh Patel 11/14/2024  
Supervised By :Ankita Jodhani 11/14/2024



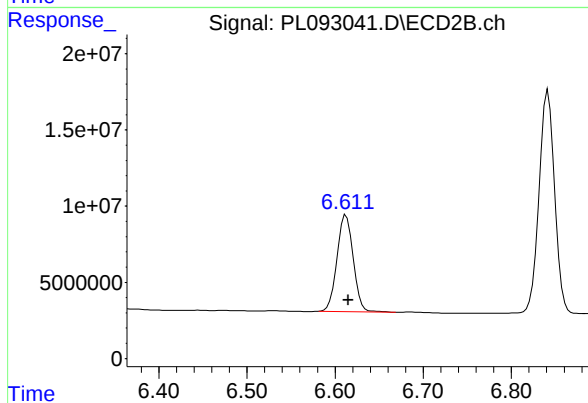
#19 Endosulfan Sulfate

R.T.: 6.336 min  
Delta R.T.: -0.002 min  
Response: 153082874  
Conc: 56.76 ng/ml



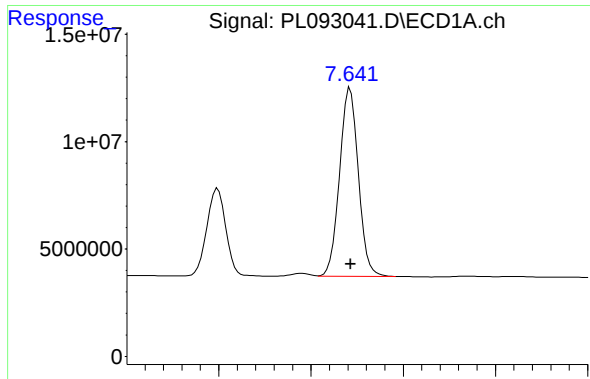
#20 Methoxychlor

R.T.: 7.499 min  
Delta R.T.: 0.000 min  
Response: 58286222  
Conc: 51.13 ng/ml



#20 Methoxychlor

R.T.: 6.612 min  
Delta R.T.: -0.002 min  
Response: 81563584  
Conc: 57.12 ng/ml



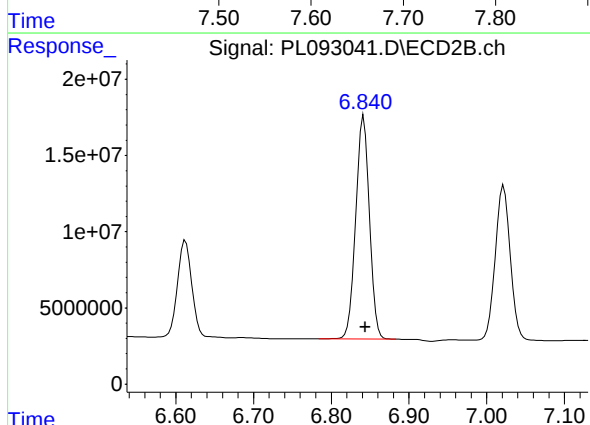
#21 Endrin ketone

R.T.: 7.642 min  
Delta R.T.: 0.000 min  
Response: 123853160  
Conc: 51.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

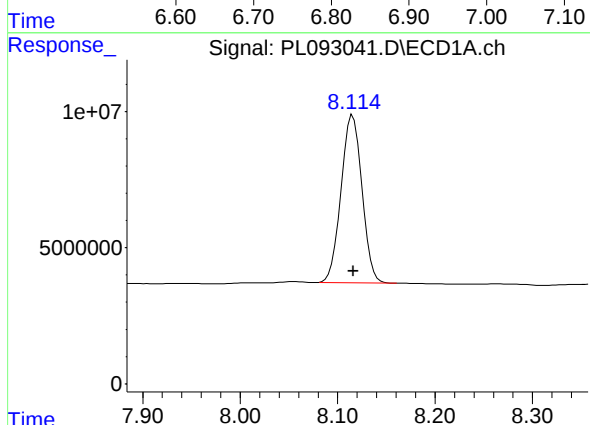
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/14/2024  
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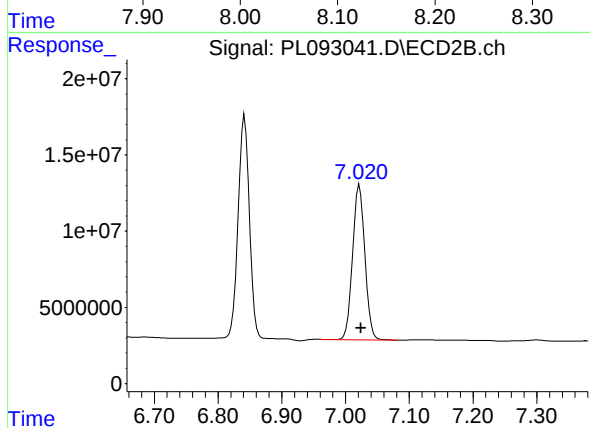
#21 Endrin ketone

R.T.: 6.840 min  
Delta R.T.: -0.003 min  
Response: 179806021  
Conc: 58.59 ng/ml m



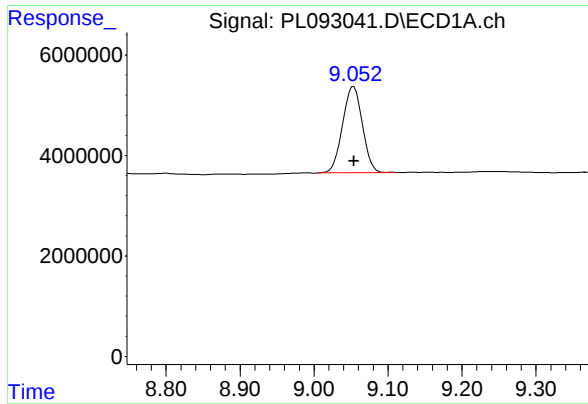
#22 Mirex

R.T.: 8.116 min  
Delta R.T.: 0.000 min  
Response: 91799847  
Conc: 46.32 ng/ml



#22 Mirex

R.T.: 7.022 min  
Delta R.T.: -0.003 min  
Response: 136366349  
Conc: 52.27 ng/ml



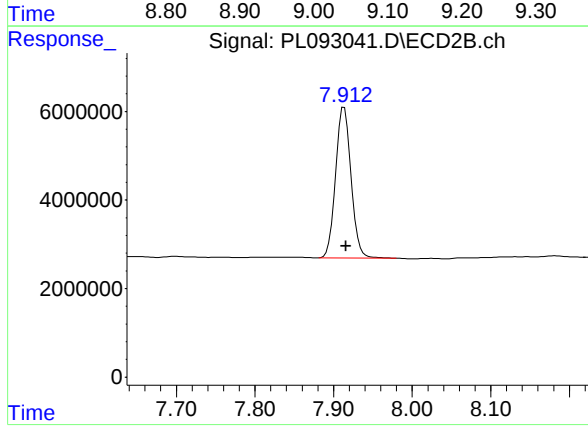
#28 Decachlorobiphenyl

R.T.: 9.054 min  
Delta R.T.: 0.000 min  
Response: 31859136  
Conc: 16.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB164960BS

Manual Integrations  
APPROVED

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#28 Decachlorobiphenyl

R.T.: 7.913 min  
Delta R.T.: -0.002 min  
Response: 46485105  
Conc: 17.03 ng/ml