

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL061923\  
 Data File : PL083542.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 Jun 2023 14:05  
 Operator : AR\AJ  
 Sample : PB153489BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB153489BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 06/20/2023  
 Supervised By : Ankita Jodhani 06/20/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 20 04:09:33 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL061723.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jun 17 12:34:26 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... | 3.459 | 2.753 | 47196132 | 49065263 | 21.353  | 21.064  |
| 28)                         | SA Decachlor... | 8.998 | 7.965 | 49016349 | 59275173 | 25.723  | 24.134  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.916 | 3.263 | 140.1E6  | 149.2E6  | 44.995  | 44.211  |
| 3)                          | MA gamma-BHC... | 4.251 | 3.597 | 128.9E6  | 142.1E6  | 45.208  | 44.249  |
| 4)                          | MA Heptachlor   | 4.842 | 3.944 | 129.0E6  | 139.7E6  | 46.663  | 45.142  |
| 5)                          | MB Aldrin       | 5.183 | 4.227 | 118.1E6  | 133.0E6  | 45.460  | 44.173  |
| 6)                          | B beta-BHC      | 4.449 | 3.899 | 57329756 | 64076113 | 44.312  | 42.935  |
| 7)                          | B delta-BHC     | 4.695 | 4.131 | 123.2E6  | 140.8E6  | 44.708  | 43.670  |
| 8)                          | B Heptachlo...  | 5.613 | 4.736 | 110.3E6  | 127.5E6  | 43.465  | 44.417m |
| 9)                          | A Endosulfan I  | 5.998 | 5.110 | 102.7E6  | 119.4E6  | 46.098  | 44.319  |
| 10)                         | B gamma-Chl...  | 5.869 | 4.991 | 110.0E6  | 129.7E6  | 45.742  | 43.850  |
| 11)                         | B alpha-Chl...  | 5.950 | 5.056 | 109.4E6  | 129.2E6  | 46.168  | 43.691  |
| 12)                         | B 4,4'-DDE      | 6.128 | 5.253 | 94925773 | 114.1E6  | 47.023  | 44.647  |
| 13)                         | MA Dieldrin     | 6.274 | 5.378 | 104.0E6  | 124.4E6  | 46.333  | 44.356  |
| 14)                         | MA Endrin       | 6.503 | 5.654 | 84836319 | 103.4E6  | 48.070  | 44.814  |
| 15)                         | B Endosulfa...  | 6.723 | 5.950 | 92336416 | 106.1E6  | 49.471  | 44.697m |
| 16)                         | A 4,4'-DDD      | 6.646 | 5.813 | 91566118 | 95440783 | 53.628  | 43.281  |
| 17)                         | MA 4,4'-DDT     | 6.961 | 6.066 | 88316144 | 107.8E6  | 52.455  | 51.619  |
| 18)                         | B Endrin al...  | 6.852 | 6.133 | 71096632 | 91103391 | 47.961m | 48.203  |
| 19)                         | B Endosulfa...  | 7.089 | 6.359 | 92480609 | 114.4E6  | 48.156  | 47.256  |
| 20)                         | A Methoxychlor  | 7.441 | 6.651 | 49698153 | 60043421 | 54.790  | 49.821  |
| 21)                         | B Endrin ke...  | 7.573 | 6.865 | 102.8E6  | 129.9E6  | 47.957  | 46.204  |
| 22)                         | Mirex           | 8.048 | 7.051 | 89921421 | 101.6E6  | 48.178  | 42.198  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL061923\  
Data File : PL083542.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 Jun 2023 14:05  
Operator : AR\AJ  
Sample : PB153489BS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB153489BS

## Manual Integrations

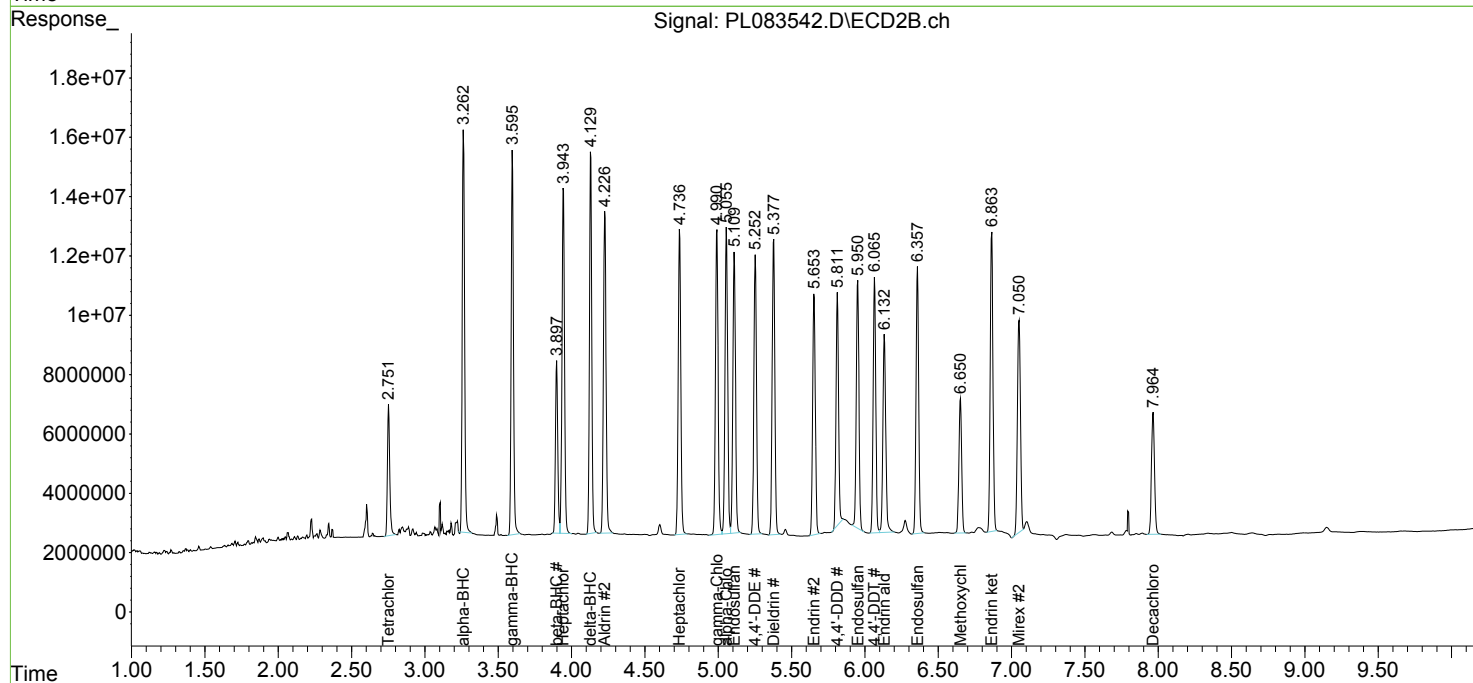
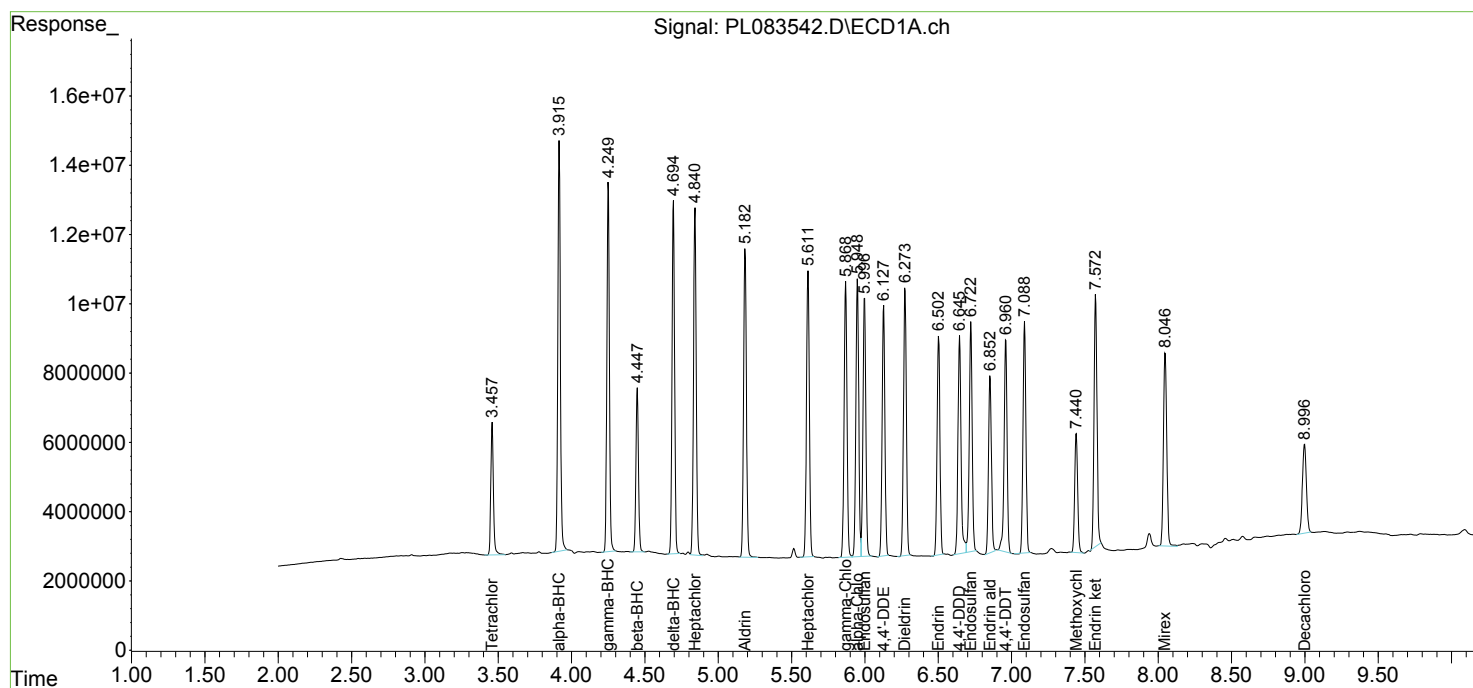
## APPROVED

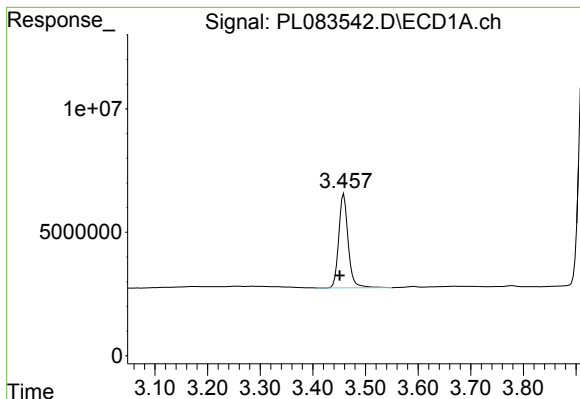
Reviewed By :Abdul Mirza 06/20/2023

Supervised By :Ankita Jodhani 06/20/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 20 04:09:33 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL061723.M  
Quant Title : GC Extractables  
QLast Update : Sat Jun 17 12:34:26 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





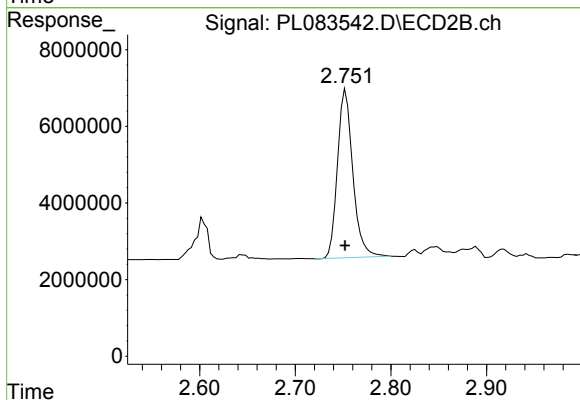
#1 Tetrachloro-m-xylene

R.T.: 3.459 min  
Delta R.T.: 0.008 min  
Response: 47196132  
Conc: 21.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

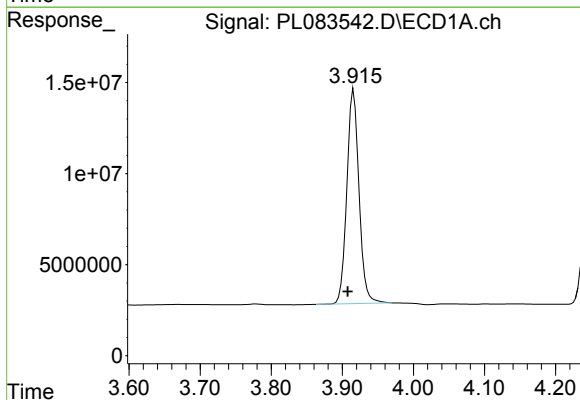
Manual Integrations  
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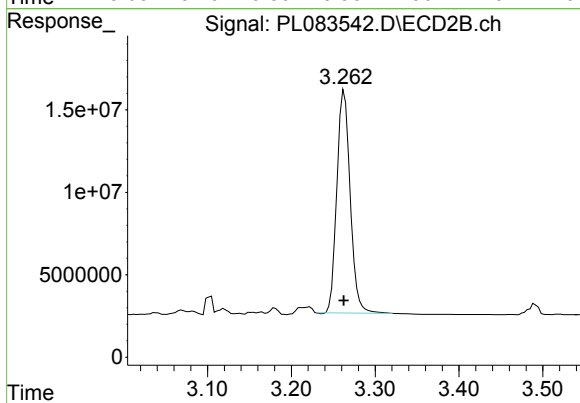
#1 Tetrachloro-m-xylene

R.T.: 2.753 min  
Delta R.T.: 0.000 min  
Response: 49065263  
Conc: 21.06 ng/ml



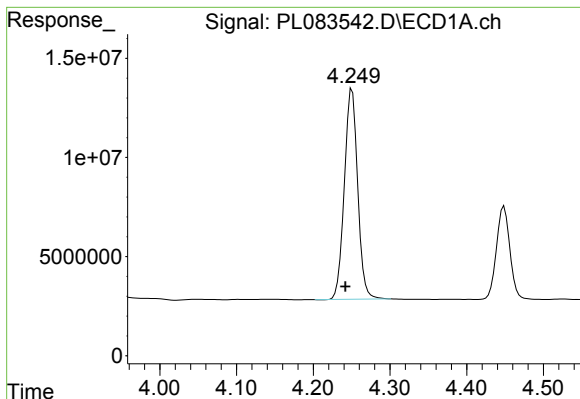
#2 alpha-BHC

R.T.: 3.916 min  
Delta R.T.: 0.008 min  
Response: 140089098  
Conc: 45.00 ng/ml



#2 alpha-BHC

R.T.: 3.263 min  
Delta R.T.: 0.000 min  
Response: 149237595  
Conc: 44.21 ng/ml



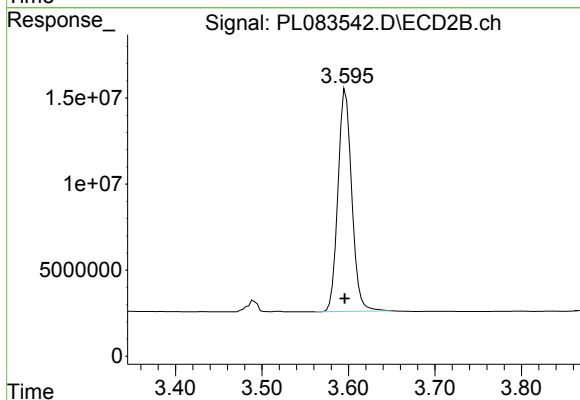
#3 gamma-BHC (Lindane)

R.T.: 4.251 min  
Delta R.T.: 0.009 min  
Response: 128875630  
Conc: 45.21 ng/ml

Instrument :  
ECD\_L  
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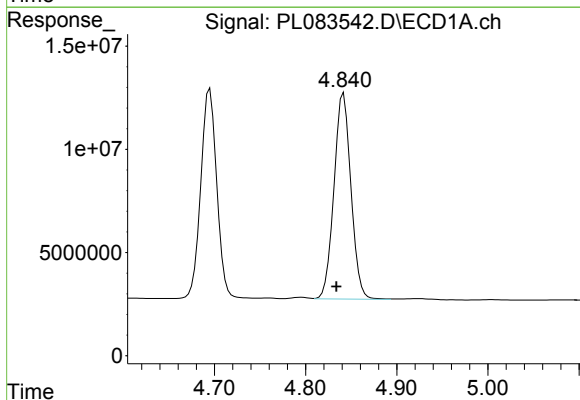
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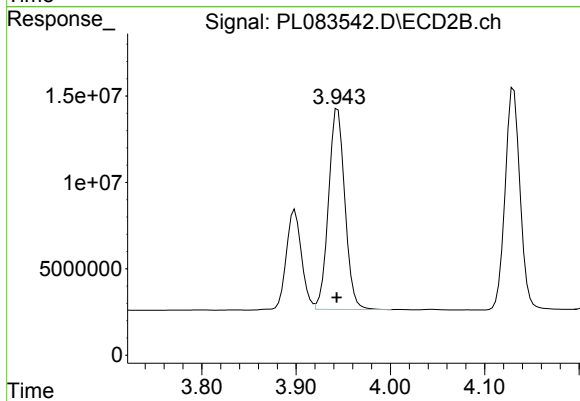
#3 gamma-BHC (Lindane)

R.T.: 3.597 min  
Delta R.T.: 0.001 min  
Response: 142067677  
Conc: 44.25 ng/ml



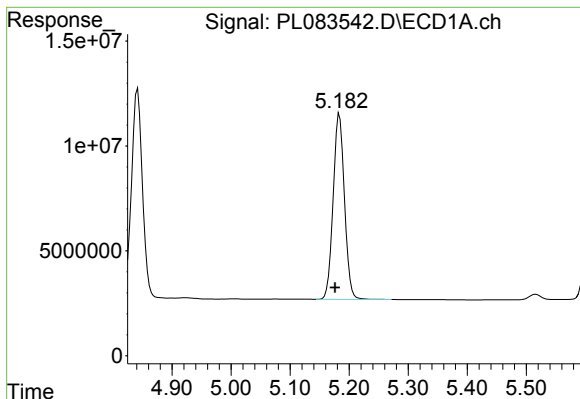
#4 Heptachlor

R.T.: 4.842 min  
Delta R.T.: 0.008 min  
Response: 129018058  
Conc: 46.66 ng/ml



#4 Heptachlor

R.T.: 3.944 min  
Delta R.T.: 0.001 min  
Response: 139743323  
Conc: 45.14 ng/ml



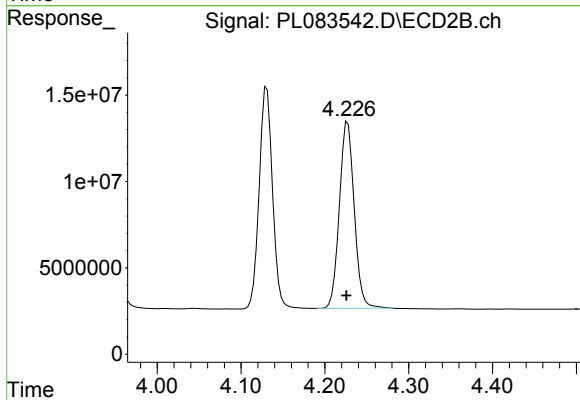
#5 Aldrin

R.T.: 5.183 min  
Delta R.T.: 0.008 min  
Response: 118144994  
Conc: 45.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

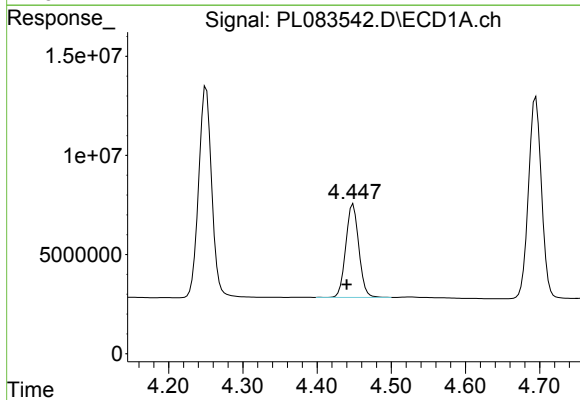
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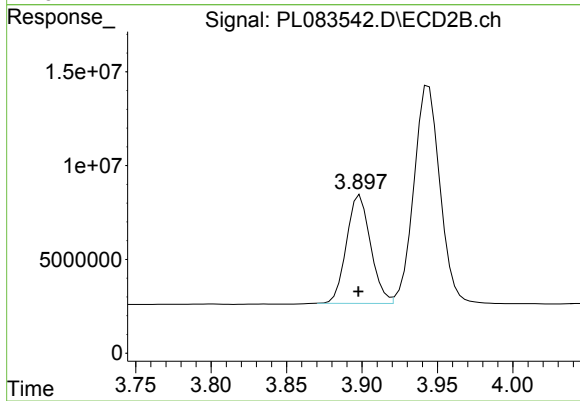
#5 Aldrin

R.T.: 4.227 min  
Delta R.T.: 0.001 min  
Response: 132986924  
Conc: 44.17 ng/ml



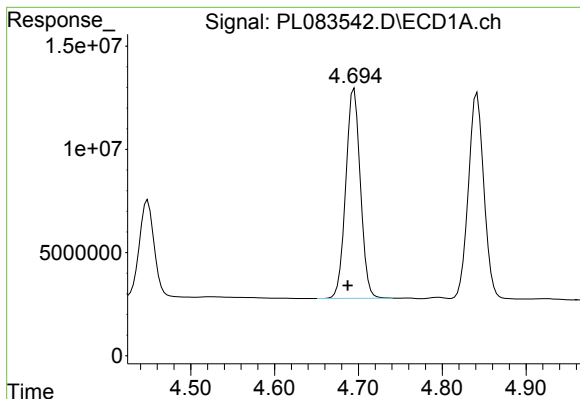
#6 beta-BHC

R.T.: 4.449 min  
Delta R.T.: 0.009 min  
Response: 57329756  
Conc: 44.31 ng/ml



#6 beta-BHC

R.T.: 3.899 min  
Delta R.T.: 0.000 min  
Response: 64076113  
Conc: 42.94 ng/ml



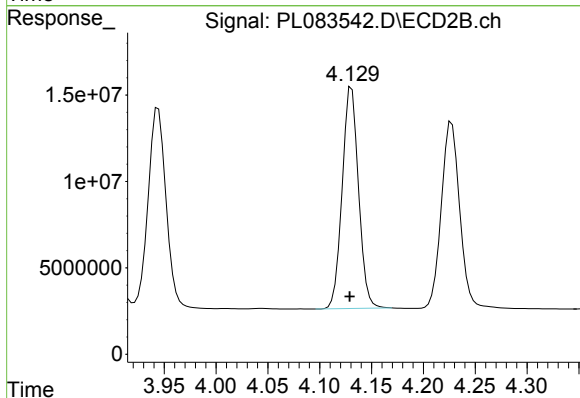
#7 delta-BHC

R.T.: 4.695 min  
Delta R.T.: 0.008 min  
Response: 123228097  
Conc: 44.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

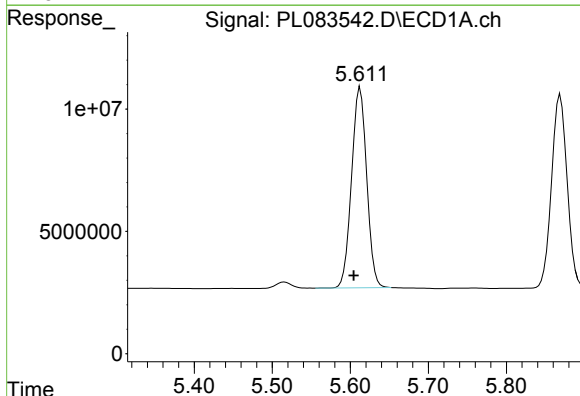
Manual Integrations  
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Supervised By :Ankita Jodhani 06/20/2023



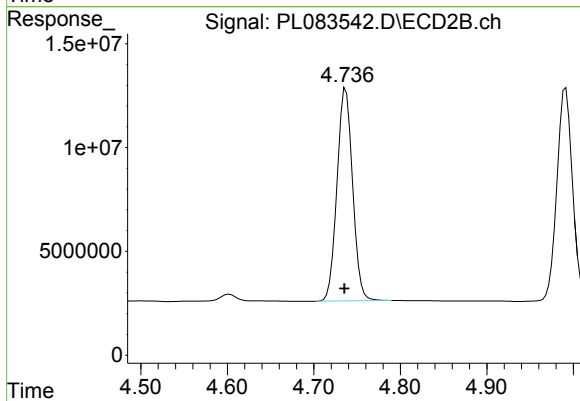
#7 delta-BHC

R.T.: 4.131 min  
Delta R.T.: 0.002 min  
Response: 140759003  
Conc: 43.67 ng/ml



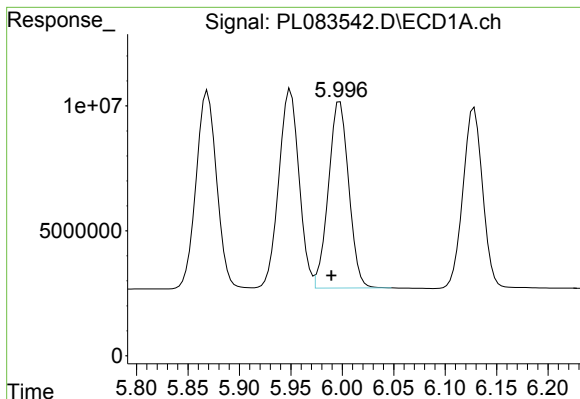
#8 Heptachlor epoxide

R.T.: 5.613 min  
Delta R.T.: 0.008 min  
Response: 110330549  
Conc: 43.47 ng/ml



#8 Heptachlor epoxide

R.T.: 4.736 min  
Delta R.T.: 0.000 min  
Response: 127498459  
Conc: 44.42 ng/ml m



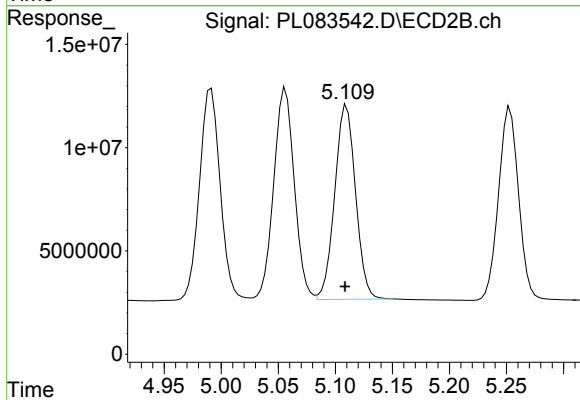
#9 Endosulfan I

R.T.: 5.998 min  
Delta R.T.: 0.008 min  
Response: 102718089  
Conc: 46.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

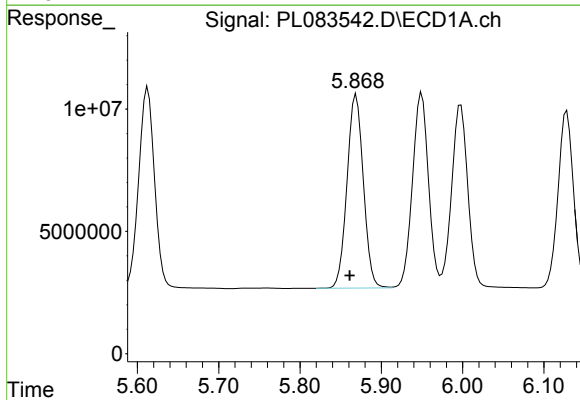
Manual Integrations  
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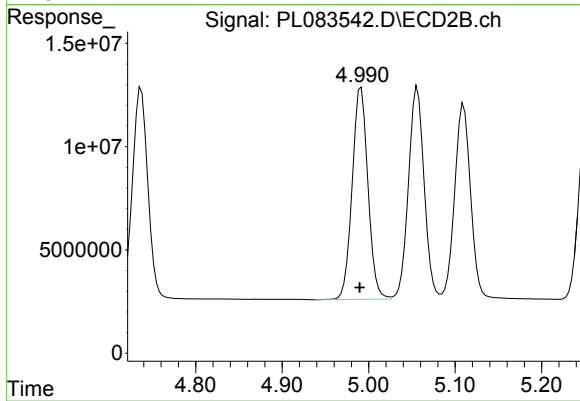
#9 Endosulfan I

R.T.: 5.110 min  
Delta R.T.: 0.002 min  
Response: 119443776  
Conc: 44.32 ng/ml



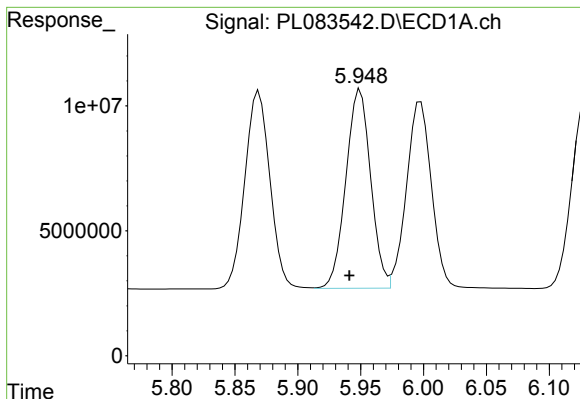
#10 gamma-Chlordane

R.T.: 5.869 min  
Delta R.T.: 0.008 min  
Response: 110039137  
Conc: 45.74 ng/ml



#10 gamma-Chlordane

R.T.: 4.991 min  
Delta R.T.: 0.002 min  
Response: 129740297  
Conc: 43.85 ng/ml



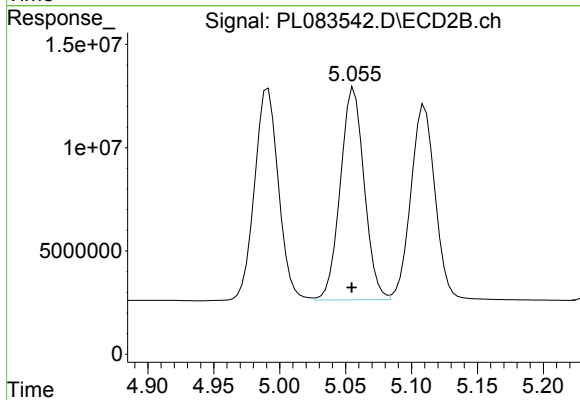
#11 alpha-Chlordane

R.T.: 5.950 min  
Delta R.T.: 0.009 min  
Response: 109356315  
Conc: 46.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

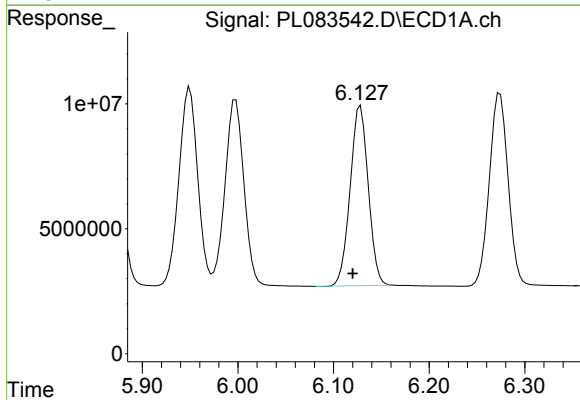
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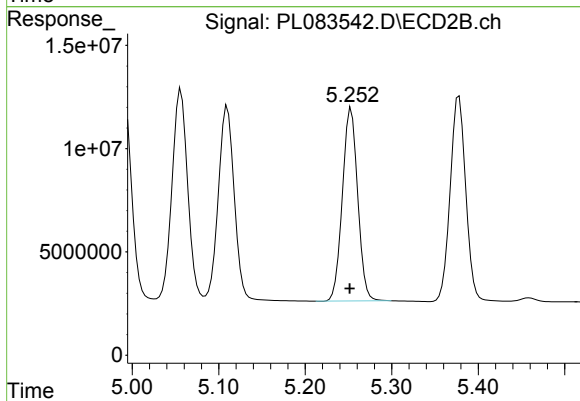
#11 alpha-Chlordane

R.T.: 5.056 min  
Delta R.T.: 0.002 min  
Response: 129249364  
Conc: 43.69 ng/ml



#12 4,4'-DDE

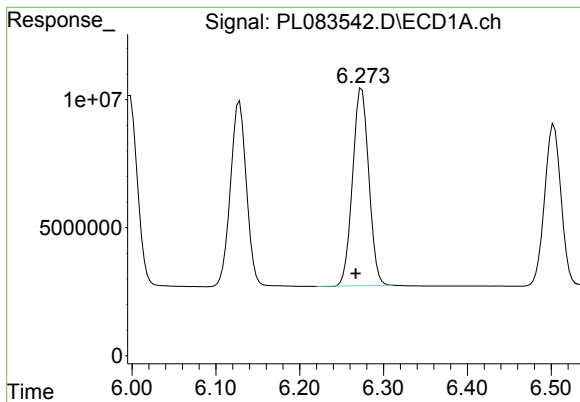
R.T.: 6.128 min  
Delta R.T.: 0.008 min  
Response: 94925773  
Conc: 47.02 ng/ml



#12 4,4'-DDE

R.T.: 5.253 min  
Delta R.T.: 0.002 min  
Response: 114055695  
Conc: 44.65 ng/ml





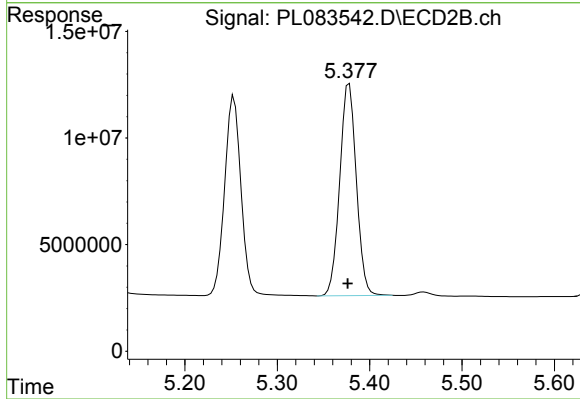
#13 Dieldrin

R.T.: 6.274 min  
Delta R.T.: 0.007 min  
Response: 104038228  
Conc: 46.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

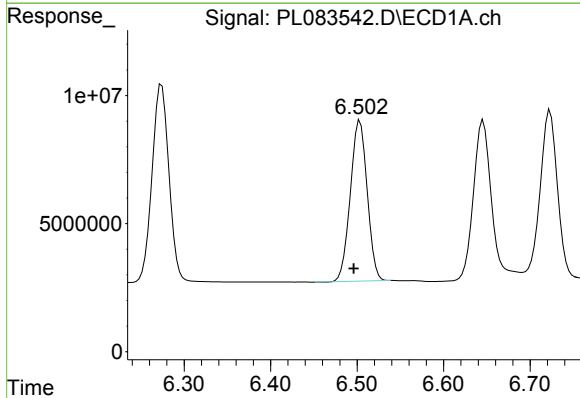
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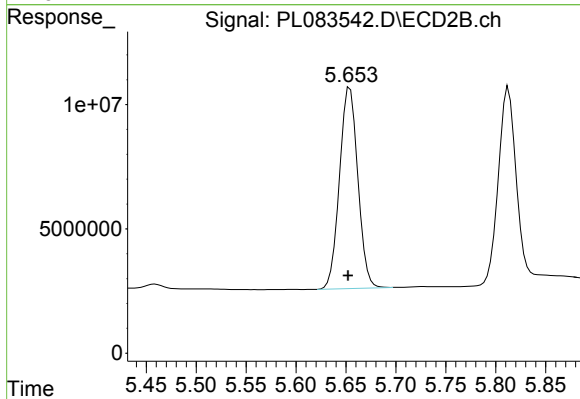
#13 Dieldrin

R.T.: 5.378 min  
Delta R.T.: 0.002 min  
Response: 124384673  
Conc: 44.36 ng/ml



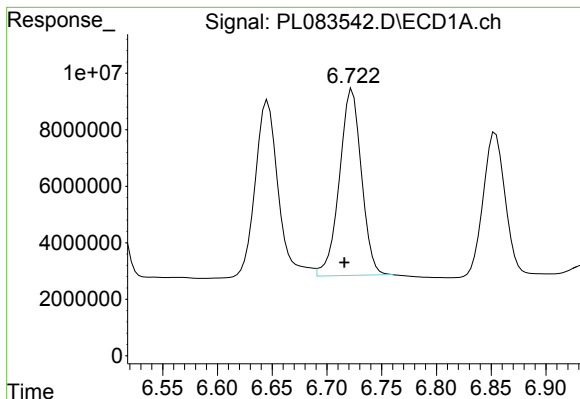
#14 Endrin

R.T.: 6.503 min  
Delta R.T.: 0.007 min  
Response: 84836319  
Conc: 48.07 ng/ml



#14 Endrin

R.T.: 5.654 min  
Delta R.T.: 0.002 min  
Response: 103436292  
Conc: 44.81 ng/ml



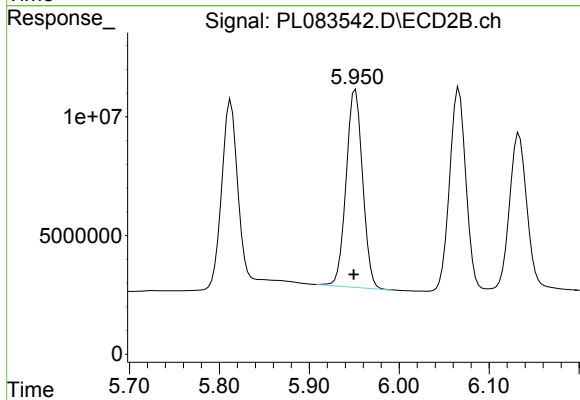
#15 Endosulfan II

R.T.: 6.723 min  
Delta R.T.: 0.007 min  
Response: 92336416  
Conc: 49.47 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

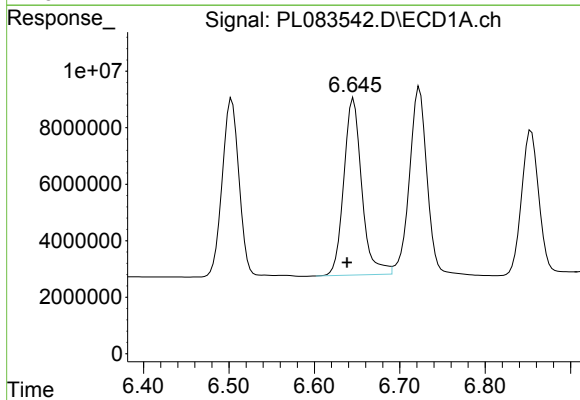
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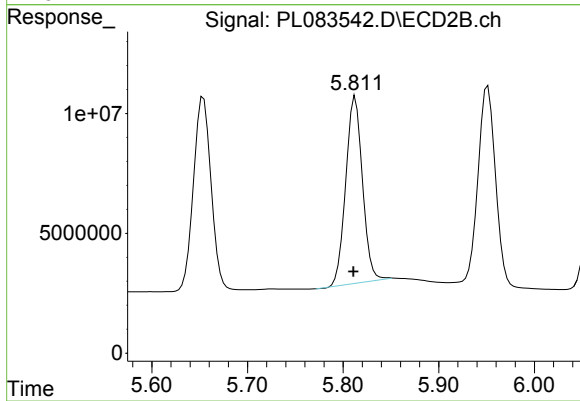
#15 Endosulfan II

R.T.: 5.950 min  
Delta R.T.: 0.000 min  
Response: 106096243  
Conc: 44.70 ng/ml m



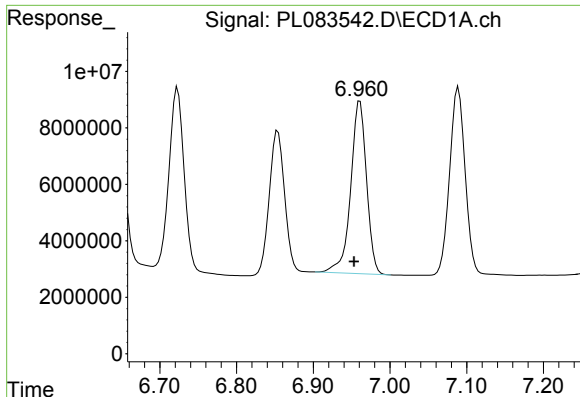
#16 4,4'-DDD

R.T.: 6.646 min  
Delta R.T.: 0.008 min  
Response: 91566118  
Conc: 53.63 ng/ml



#16 4,4'-DDD

R.T.: 5.813 min  
Delta R.T.: 0.002 min  
Response: 95440783  
Conc: 43.28 ng/ml



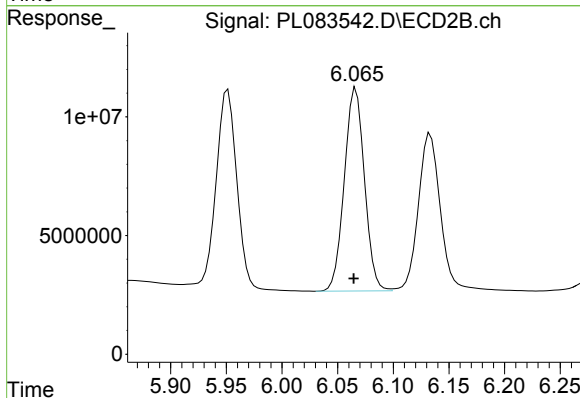
#17 4,4'-DDT

R.T.: 6.961 min  
Delta R.T.: 0.008 min  
Response: 88316144  
Conc: 52.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

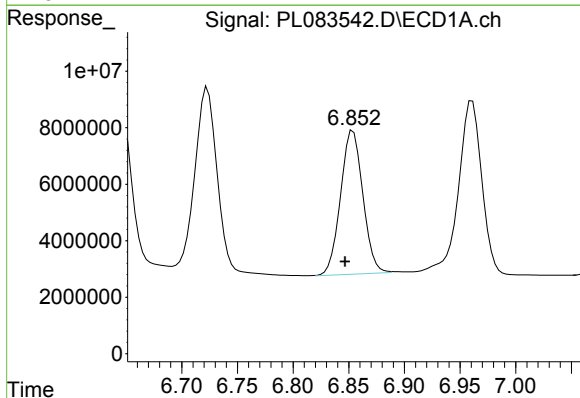
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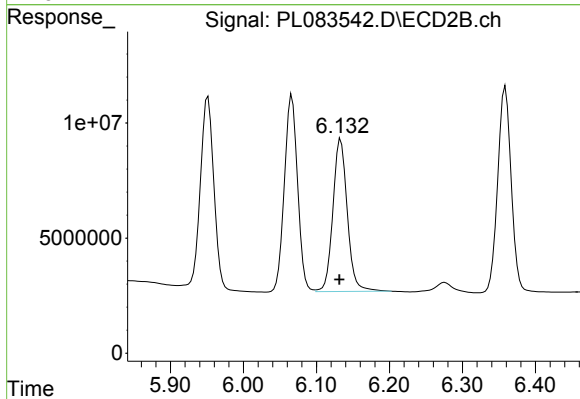
#17 4,4'-DDT

R.T.: 6.066 min  
Delta R.T.: 0.002 min  
Response: 107773053  
Conc: 51.62 ng/ml



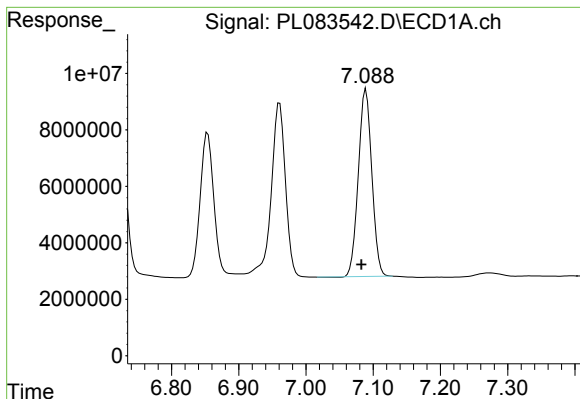
#18 Endrin aldehyde

R.T.: 6.852 min  
Delta R.T.: 0.006 min  
Response: 71096632  
Conc: 47.96 ng/ml m



#18 Endrin aldehyde

R.T.: 6.133 min  
Delta R.T.: 0.002 min  
Response: 91103391  
Conc: 48.20 ng/ml



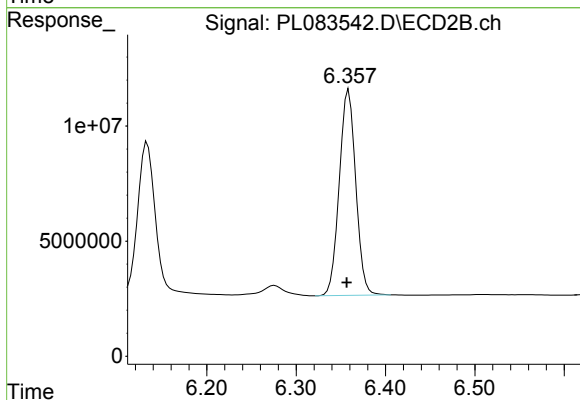
#19 Endosulfan Sulfate

R.T.: 7.089 min  
Delta R.T.: 0.006 min  
Response: 92480609  
Conc: 48.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

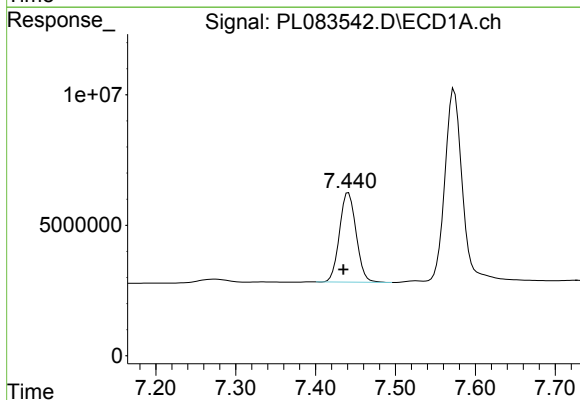
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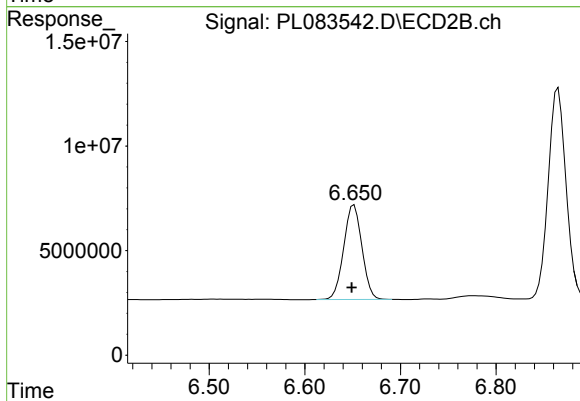
#19 Endosulfan Sulfate

R.T.: 6.359 min  
Delta R.T.: 0.002 min  
Response: 114438332  
Conc: 47.26 ng/ml



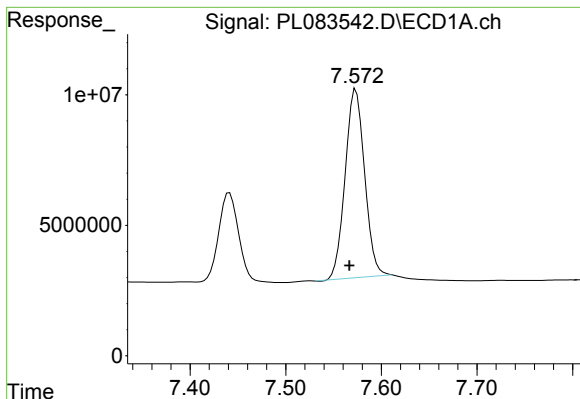
#20 Methoxychlor

R.T.: 7.441 min  
Delta R.T.: 0.006 min  
Response: 49698153  
Conc: 54.79 ng/ml



#20 Methoxychlor

R.T.: 6.651 min  
Delta R.T.: 0.002 min  
Response: 60043421  
Conc: 49.82 ng/ml



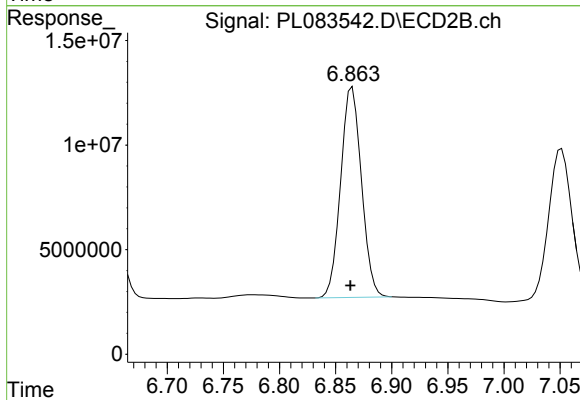
#21 Endrin ketone

R.T.: 7.573 min  
Delta R.T.: 0.007 min  
Response: 102750905  
Conc: 47.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB153489BS

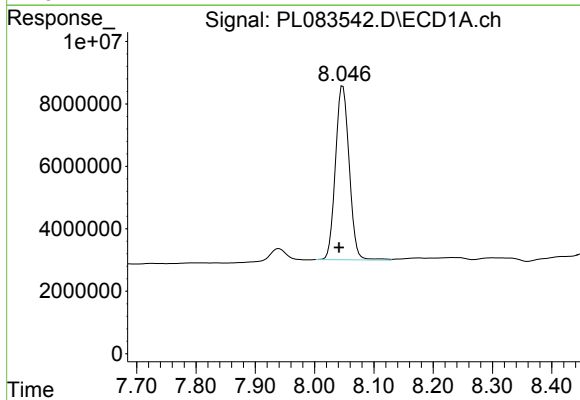
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/20/2023  
Supervised By :Ankita Jodhani 06/20/2023



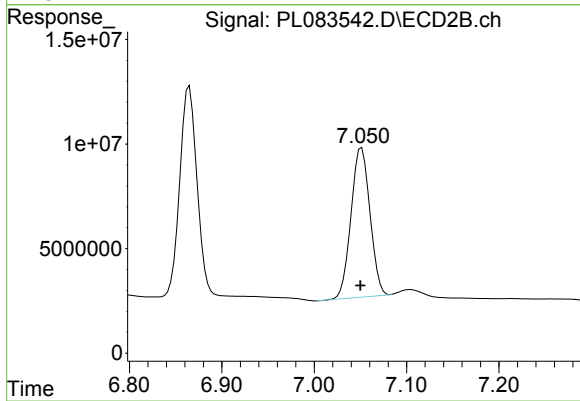
#21 Endrin ketone

R.T.: 6.865 min  
Delta R.T.: 0.002 min  
Response: 129897222  
Conc: 46.20 ng/ml



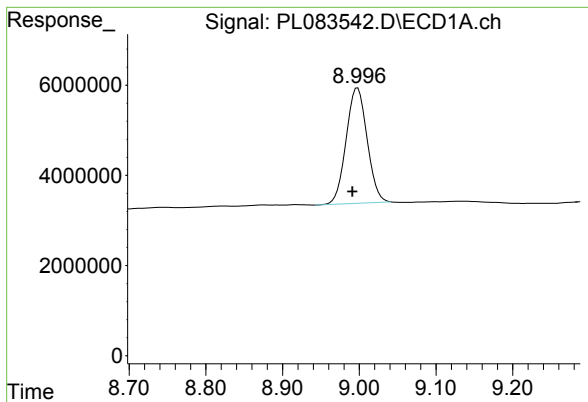
#22 Mirex

R.T.: 8.048 min  
Delta R.T.: 0.006 min  
Response: 89921421  
Conc: 48.18 ng/ml



#22 Mirex

R.T.: 7.051 min  
Delta R.T.: 0.002 min  
Response: 101550741  
Conc: 42.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.998 min  
Delta R.T.: 0.007 min  
Response: 49016349  
Conc: 25.72 ng/ml

Instrument :

ECD\_L

ClientSampleId :

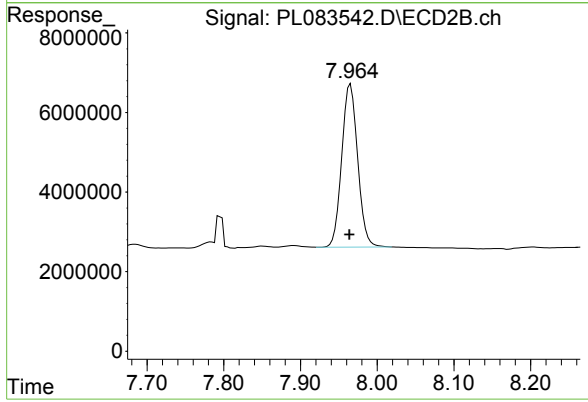
PB153489BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/20/2023

Supervised By :Ankita Jodhani 06/20/2023



#28 Decachlorobiphenyl

R.T.: 7.965 min  
Delta R.T.: 0.001 min  
Response: 59275173  
Conc: 24.13 ng/ml