

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL062023\  
 Data File : PL083603.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Jun 2023 20:50  
 Operator : AR\AJ  
 Sample : PSTDCCC050  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 06/21/2023  
 Supervised By :Ankita Jodhani 06/21/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 21 07:08:56 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... | 3.452 | 2.753 | 106.2E6  | 118.2E6  | 48.064  | 50.763  |
| 28)                         | SA Decachlor... | 8.989 | 7.960 | 102.6E6  | 125.4E6  | 53.851  | 51.039  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.909 | 3.262 | 152.1E6  | 176.8E6  | 48.840  | 52.375  |
| 3)                          | MA gamma-BHC... | 4.242 | 3.595 | 141.0E6  | 174.6E6  | 49.476  | 54.375  |
| 4)                          | MA Heptachlor   | 4.834 | 3.942 | 133.5E6  | 160.7E6  | 48.267  | 51.896  |
| 5)                          | MB Aldrin       | 5.176 | 4.224 | 128.9E6  | 160.6E6  | 49.609  | 53.344  |
| 6)                          | B beta-BHC      | 4.441 | 3.897 | 62786112 | 77499507 | 48.529  | 51.930  |
| 7)                          | B delta-BHC     | 4.687 | 4.128 | 138.5E6  | 173.1E6  | 50.236  | 53.711  |
| 8)                          | B Heptachlo...  | 5.605 | 4.732 | 123.5E6  | 153.3E6  | 48.657  | 53.398m |
| 9)                          | A Endosulfan I  | 5.990 | 5.106 | 114.6E6  | 142.8E6  | 51.441  | 52.997  |
| 10)                         | B gamma-Chl...  | 5.862 | 4.988 | 123.1E6  | 158.8E6  | 51.155  | 53.677  |
| 11)                         | B alpha-Chl...  | 5.941 | 5.052 | 121.9E6  | 158.5E6  | 51.482  | 53.585  |
| 12)                         | B 4,4'-DDE      | 6.120 | 5.249 | 108.5E6  | 142.5E6  | 53.767  | 55.793  |
| 13)                         | MA Dieldrin     | 6.267 | 5.374 | 118.3E6  | 155.8E6  | 52.663  | 55.571  |
| 14)                         | MA Endrin       | 6.496 | 5.650 | 95611853 | 130.0E6  | 54.175  | 56.329  |
| 15)                         | B Endosulfa...  | 6.716 | 5.947 | 99668219 | 124.0E6  | 53.399  | 52.228  |
| 16)                         | A 4,4'-DDD      | 6.638 | 5.807 | 99186284 | 132.0E6  | 58.091  | 59.849  |
| 17)                         | MA 4,4'-DDT     | 6.953 | 6.061 | 83582748 | 104.0E6  | 49.643  | 49.802  |
| 18)                         | B Endrin al...  | 6.845 | 6.129 | 79786147 | 100.4E6  | 53.823m | 53.108  |
| 19)                         | B Endosulfa...  | 7.082 | 6.354 | 105.4E6  | 130.9E6  | 54.888  | 54.060  |
| 20)                         | A Methoxychlor  | 7.434 | 6.646 | 46998641 | 60430178 | 51.814  | 50.142  |
| 21)                         | B Endrin ke...  | 7.566 | 6.861 | 114.5E6  | 149.9E6  | 53.459  | 53.303  |
| 22)                         | Mirex           | 8.041 | 7.047 | 96731537 | 123.7E6  | 51.827  | 51.384  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL062023\  
Data File : PL083603.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Jun 2023 20:50  
Operator : AR\AJ  
Sample : PSTDCCC050  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PSTDCCC050

## Manual Integrations

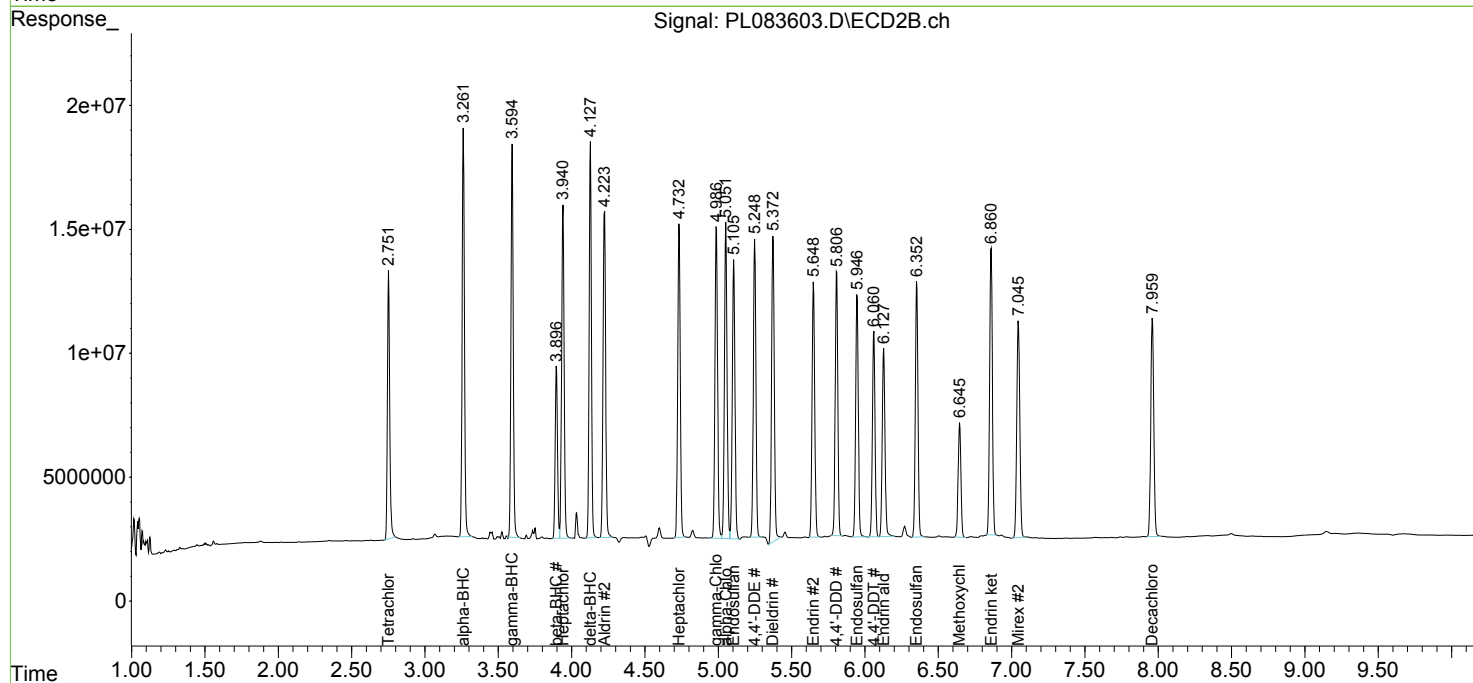
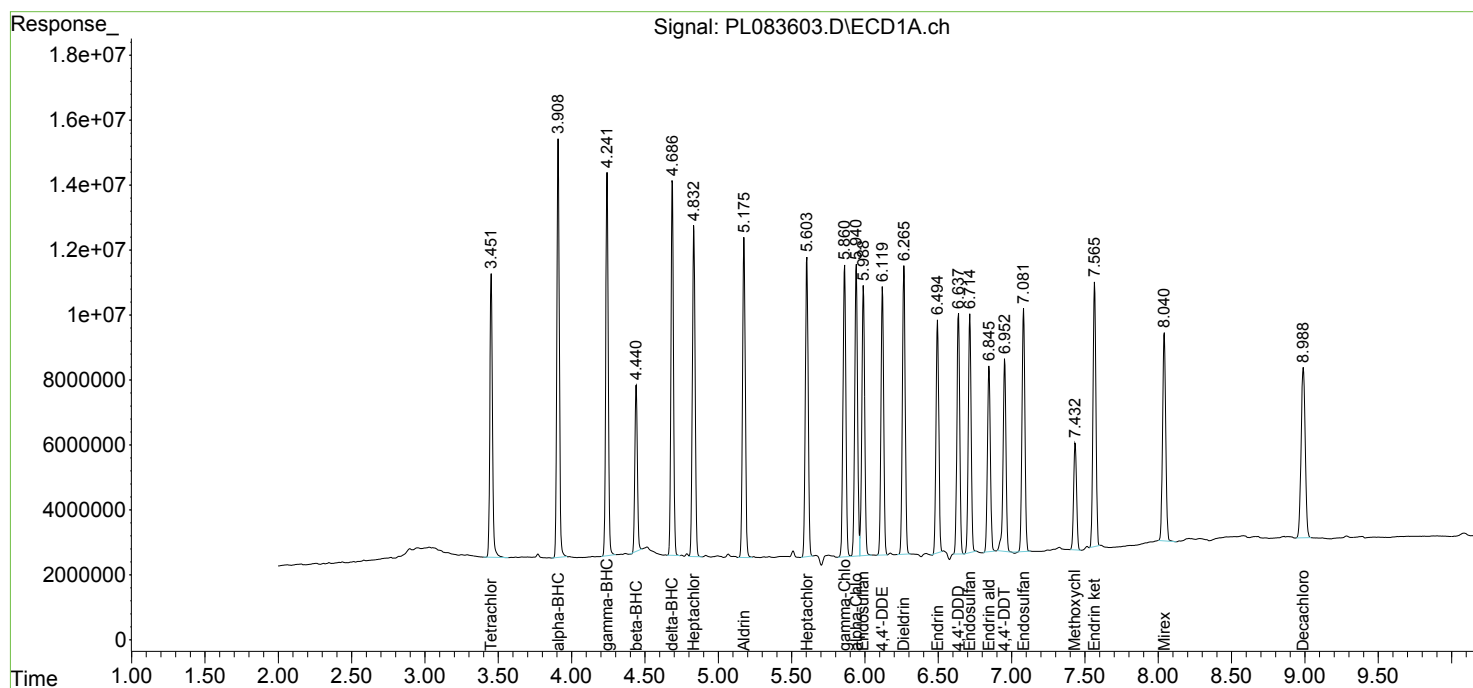
## APPROVED

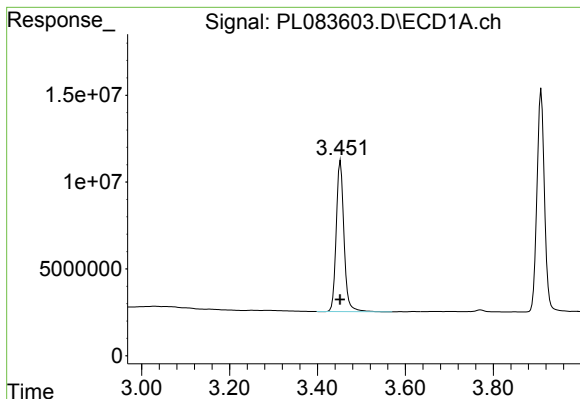
Reviewed By :Abdul Mirza 06/21/2023

Supervised By :Ankita Jodhani 06/21/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 21 07:08:56 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  
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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





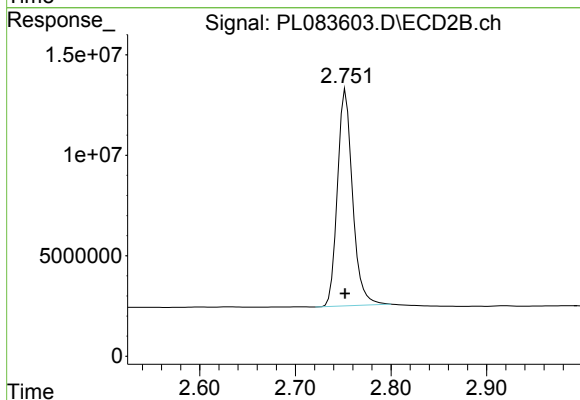
#1 Tetrachloro-m-xylene

R.T.: 3.452 min  
Delta R.T.: 0.001 min  
Response: 106237522  
Conc: 48.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

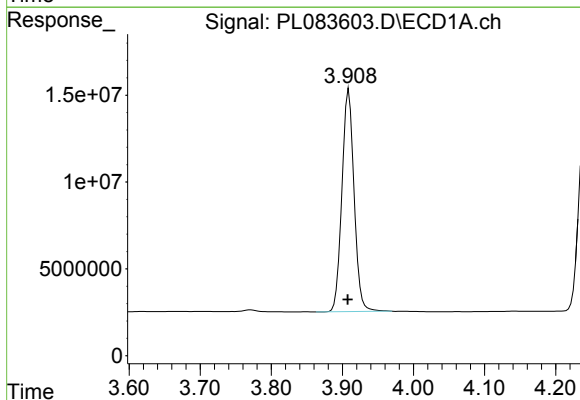
Manual Integrations  
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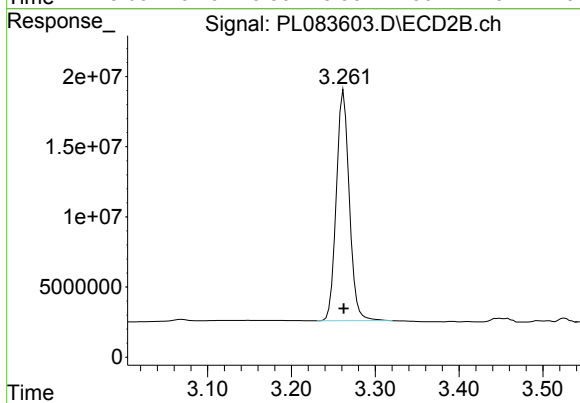
#1 Tetrachloro-m-xylene

R.T.: 2.753 min  
Delta R.T.: 0.000 min  
Response: 118245603  
Conc: 50.76 ng/ml



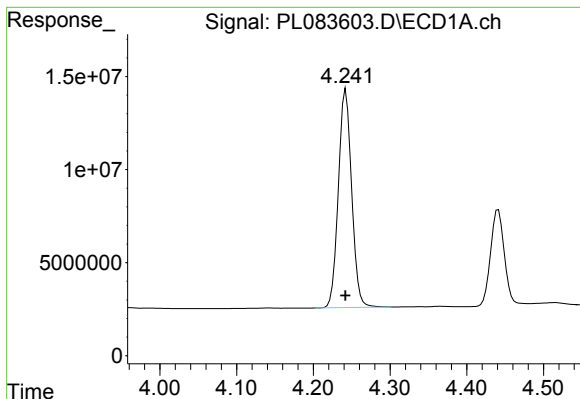
#2 alpha-BHC

R.T.: 3.909 min  
Delta R.T.: 0.002 min  
Response: 152059522  
Conc: 48.84 ng/ml



#2 alpha-BHC

R.T.: 3.262 min  
Delta R.T.: 0.000 min  
Response: 176798157  
Conc: 52.38 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.242 min  
Delta R.T.: 0.000 min  
Response: 141043563  
Conc: 49.48 ng/ml

Instrument :

ECD\_L

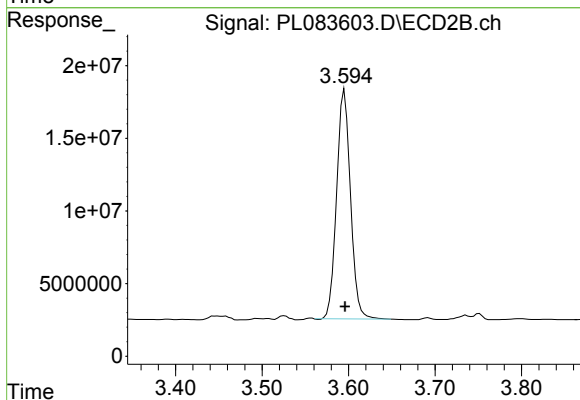
ClientSampleId :

PSTDCCC050

Manual Integrations

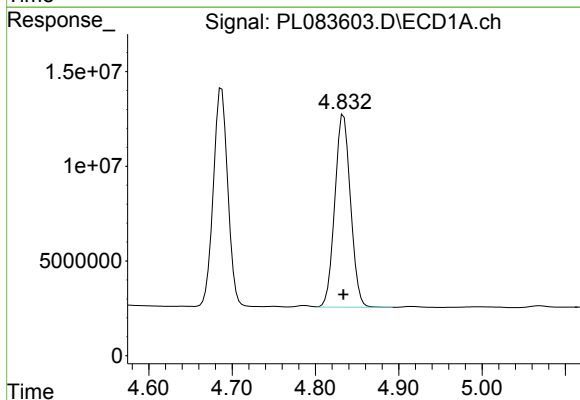
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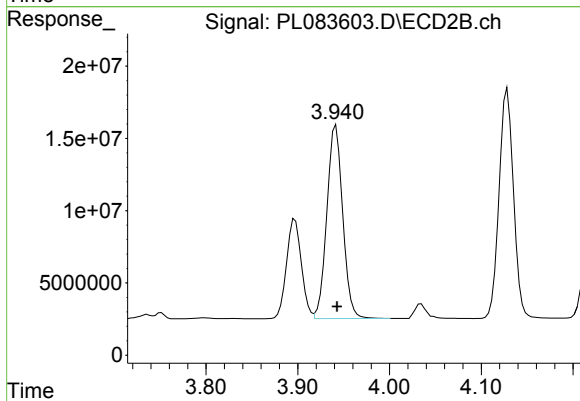
#3 gamma-BHC (Lindane)

R.T.: 3.595 min  
Delta R.T.: 0.000 min  
Response: 174578267  
Conc: 54.38 ng/ml



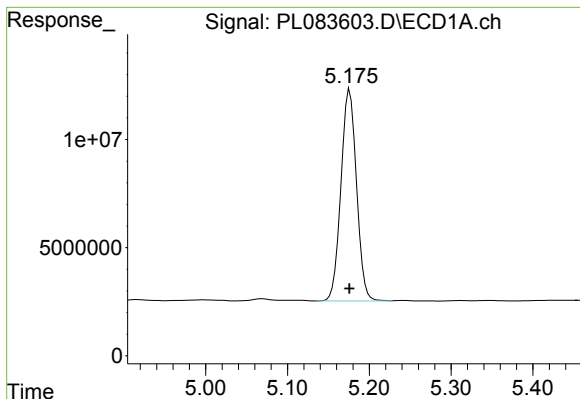
#4 Heptachlor

R.T.: 4.834 min  
Delta R.T.: 0.000 min  
Response: 133453487  
Conc: 48.27 ng/ml



#4 Heptachlor

R.T.: 3.942 min  
Delta R.T.: -0.001 min  
Response: 160650427  
Conc: 51.90 ng/ml



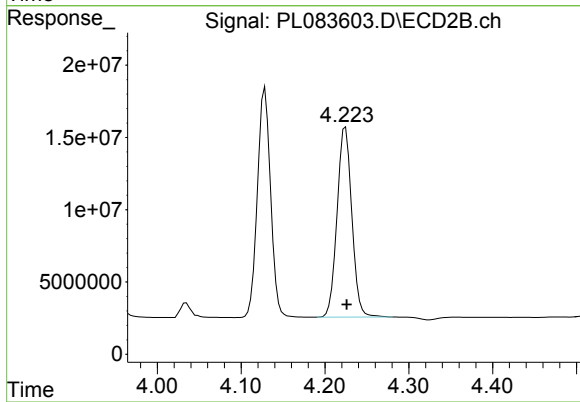
#5 Aldrin

R.T.: 5.176 min  
Delta R.T.: 0.000 min  
Response: 128925613  
Conc: 49.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

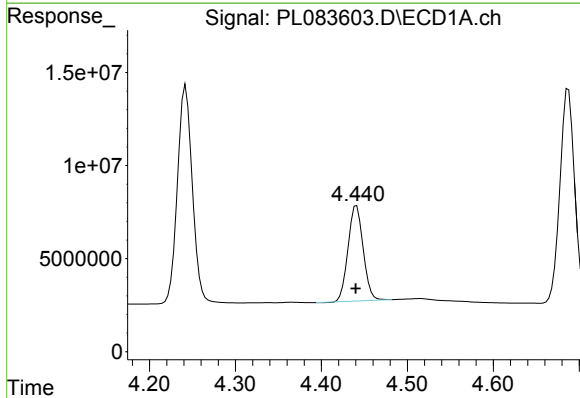
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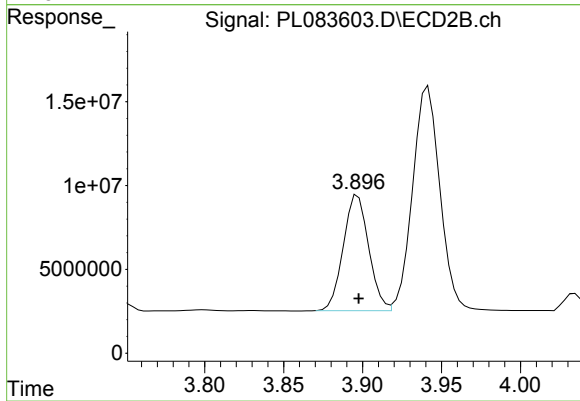
#5 Aldrin

R.T.: 4.224 min  
Delta R.T.: -0.001 min  
Response: 160597374  
Conc: 53.34 ng/ml



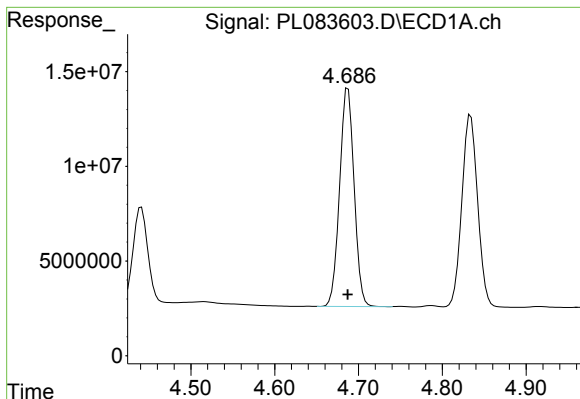
#6 beta-BHC

R.T.: 4.441 min  
Delta R.T.: 0.000 min  
Response: 62786112  
Conc: 48.53 ng/ml



#6 beta-BHC

R.T.: 3.897 min  
Delta R.T.: 0.000 min  
Response: 77499507  
Conc: 51.93 ng/ml



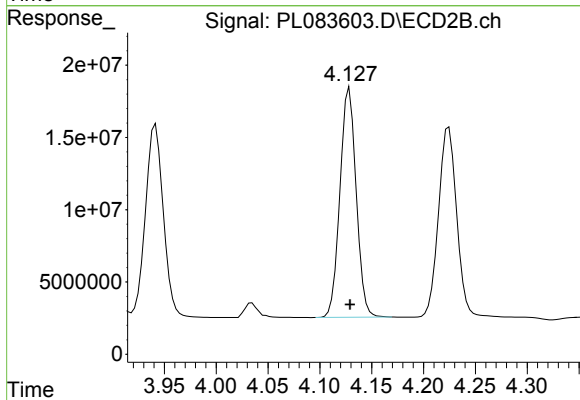
#7 delta-BHC

R.T.: 4.687 min  
Delta R.T.: 0.000 min  
Response: 138464713  
Conc: 50.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

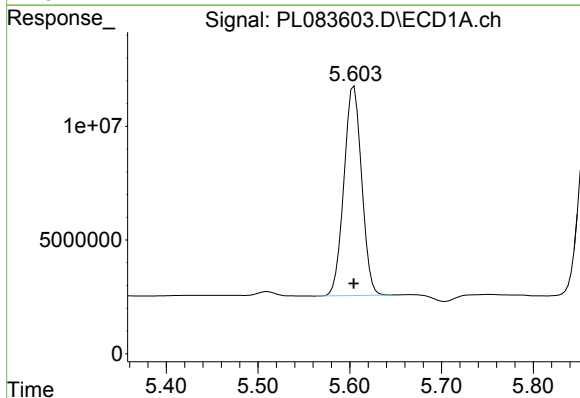
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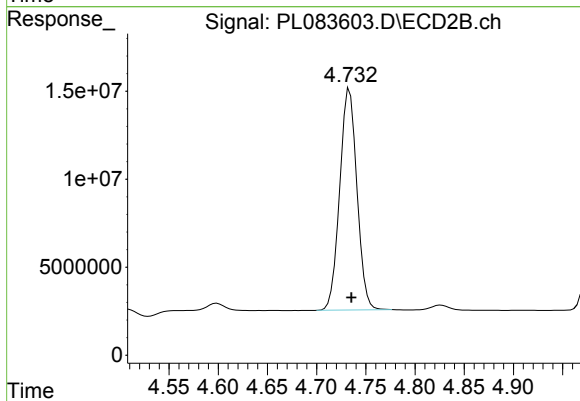
#7 delta-BHC

R.T.: 4.128 min  
Delta R.T.: 0.000 min  
Response: 173122597  
Conc: 53.71 ng/ml



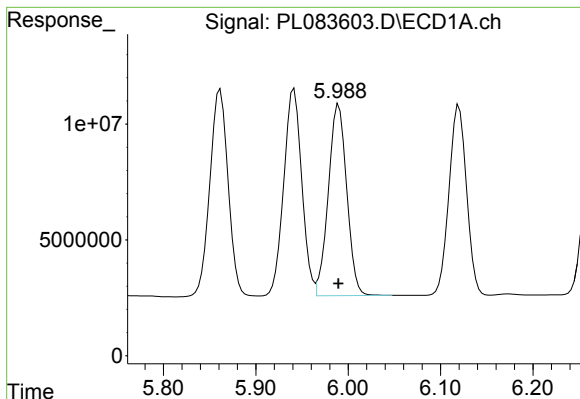
#8 Heptachlor epoxide

R.T.: 5.605 min  
Delta R.T.: 0.000 min  
Response: 123509527  
Conc: 48.66 ng/ml



#8 Heptachlor epoxide

R.T.: 4.732 min  
Delta R.T.: -0.003 min  
Response: 153276659  
Conc: 53.40 ng/ml m



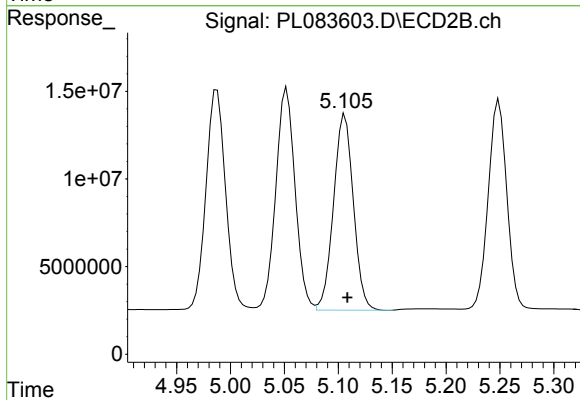
#9 Endosulfan I

R.T.: 5.990 min  
Delta R.T.: 0.000 min  
Response: 114622600  
Conc: 51.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

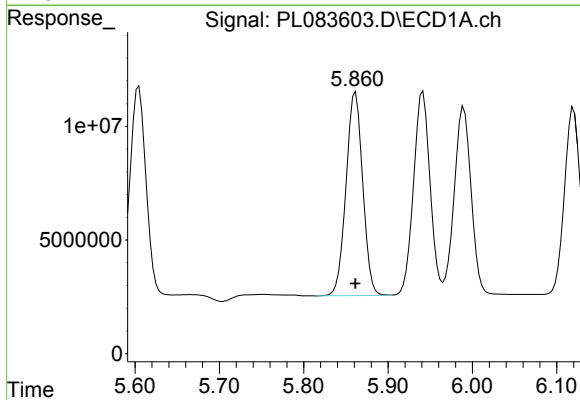
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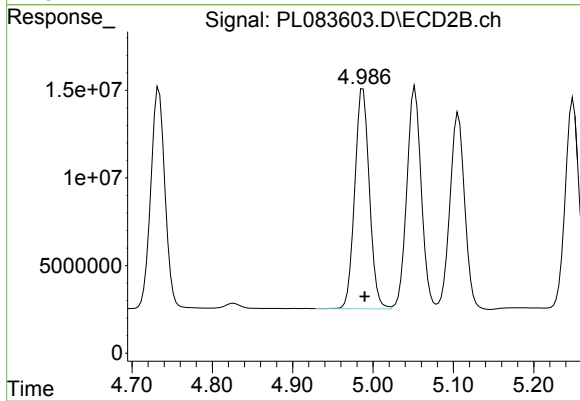
#9 Endosulfan I

R.T.: 5.106 min  
Delta R.T.: -0.002 min  
Response: 142831455  
Conc: 53.00 ng/ml



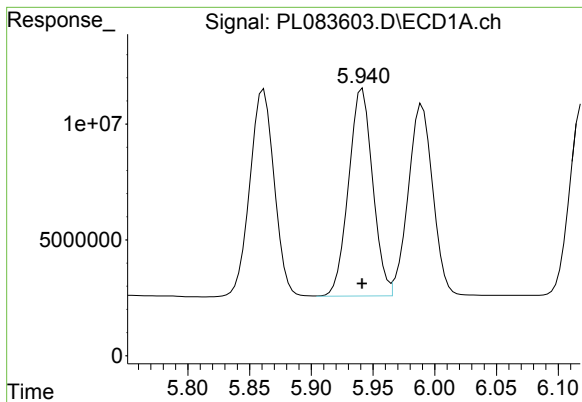
#10 gamma-Chlordane

R.T.: 5.862 min  
Delta R.T.: 0.000 min  
Response: 123062208  
Conc: 51.16 ng/ml



#10 gamma-Chlordane

R.T.: 4.988 min  
Delta R.T.: -0.002 min  
Response: 158815568  
Conc: 53.68 ng/ml



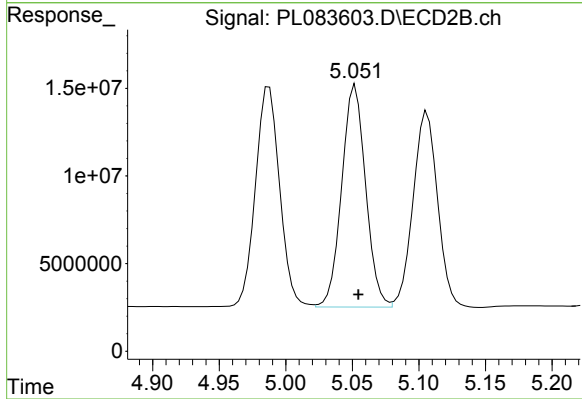
#11 alpha-Chlordane

R.T.: 5.941 min  
Delta R.T.: 0.000 min  
Response: 121943680  
Conc: 51.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

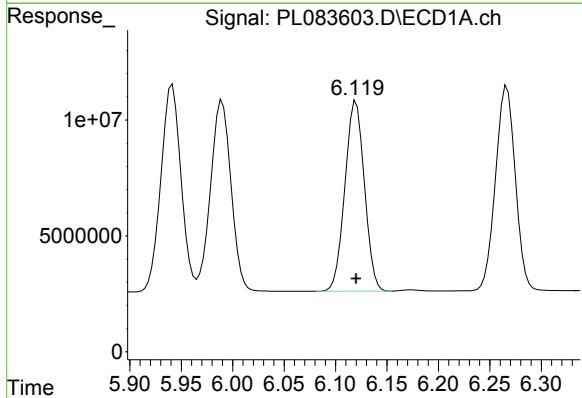
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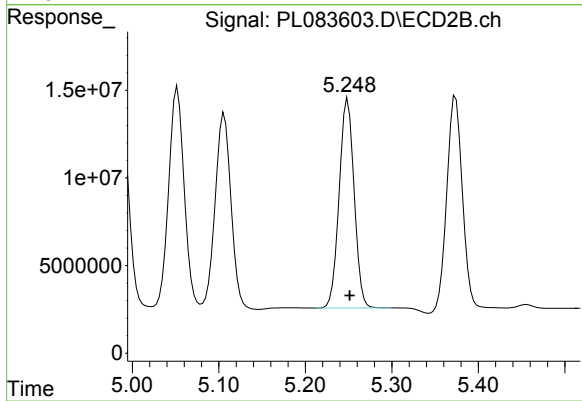
#11 alpha-Chlordane

R.T.: 5.052 min  
Delta R.T.: -0.002 min  
Response: 158519825  
Conc: 53.59 ng/ml



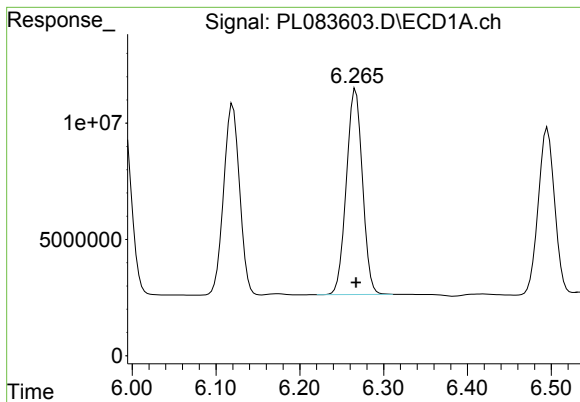
#12 4,4'-DDE

R.T.: 6.120 min  
Delta R.T.: 0.000 min  
Response: 108538619  
Conc: 53.77 ng/ml



#12 4,4'-DDE

R.T.: 5.249 min  
Delta R.T.: -0.002 min  
Response: 142528652  
Conc: 55.79 ng/ml



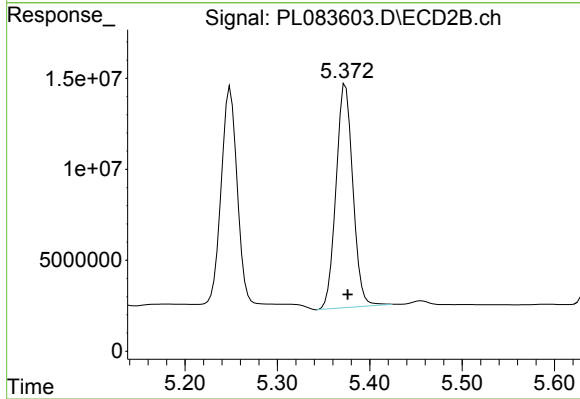
#13 Dieldrin

R.T.: 6.267 min  
Delta R.T.: 0.000 min  
Response: 118253208  
Conc: 52.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

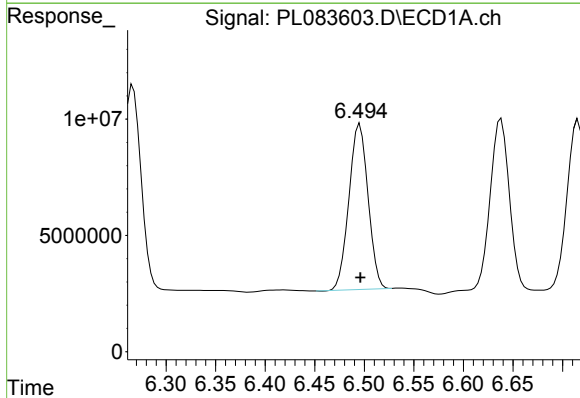
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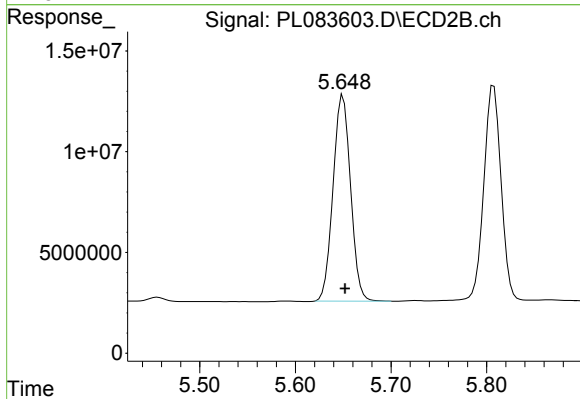
#13 Dieldrin

R.T.: 5.374 min  
Delta R.T.: -0.003 min  
Response: 155833607  
Conc: 55.57 ng/ml



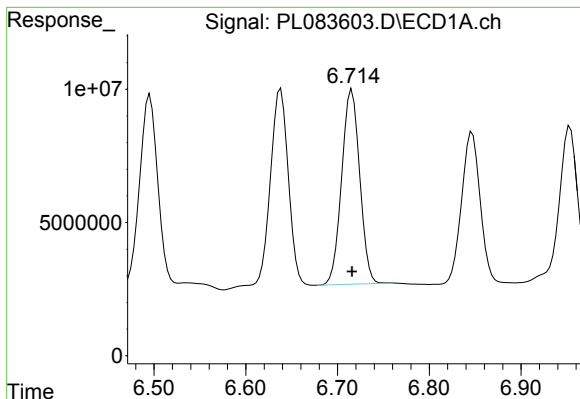
#14 Endrin

R.T.: 6.496 min  
Delta R.T.: 0.000 min  
Response: 95611853  
Conc: 54.18 ng/ml



#14 Endrin

R.T.: 5.650 min  
Delta R.T.: -0.002 min  
Response: 130014622  
Conc: 56.33 ng/ml



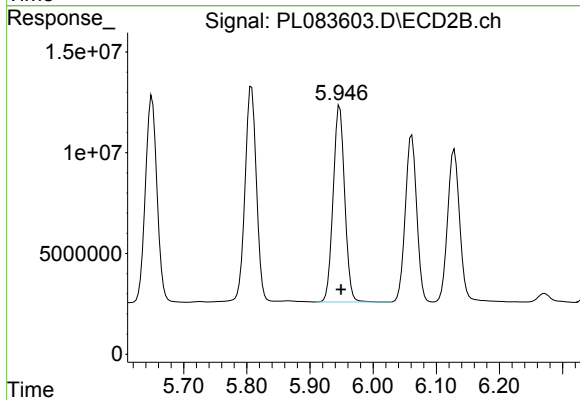
#15 Endosulfan II

R.T.: 6.716 min  
Delta R.T.: 0.000 min  
Response: 99668219  
Conc: 53.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

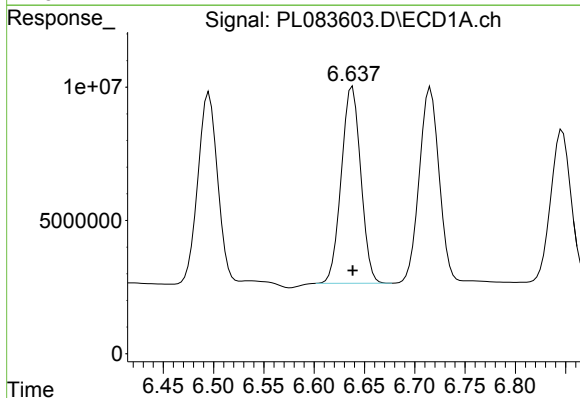
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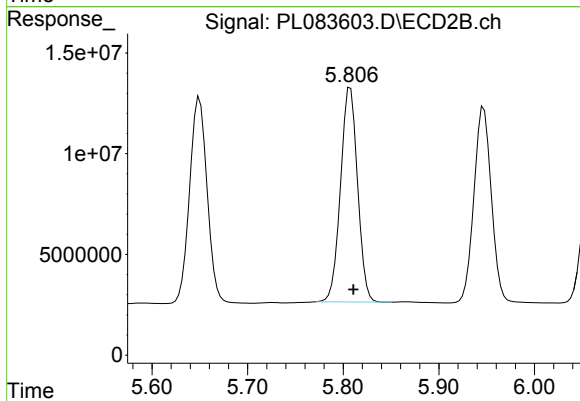
#15 Endosulfan II

R.T.: 5.947 min  
Delta R.T.: -0.002 min  
Response: 123972509  
Conc: 52.23 ng/ml



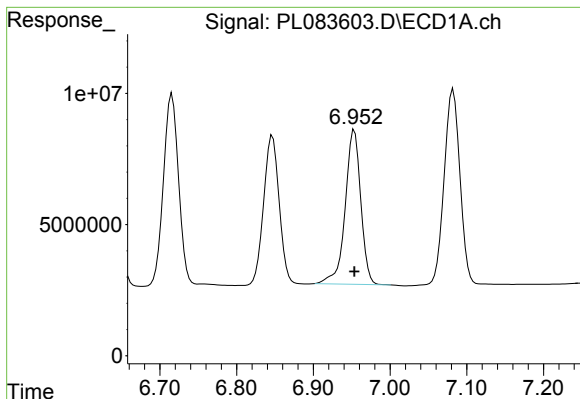
#16 4,4'-DDD

R.T.: 6.638 min  
Delta R.T.: 0.000 min  
Response: 99186284  
Conc: 58.09 ng/ml



#16 4,4'-DDD

R.T.: 5.807 min  
Delta R.T.: -0.003 min  
Response: 131976241  
Conc: 59.85 ng/ml



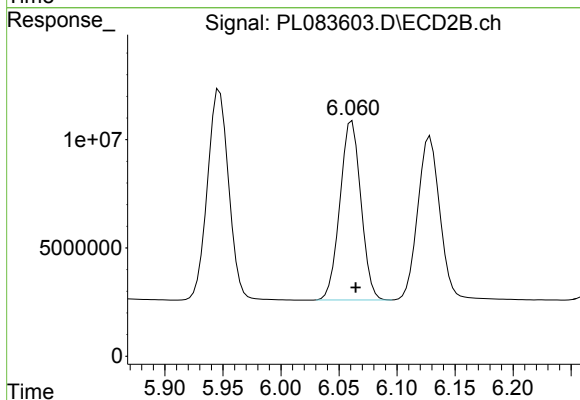
#17 4,4'-DDT

R.T.: 6.953 min  
Delta R.T.: 0.000 min  
Response: 83582748  
Conc: 49.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

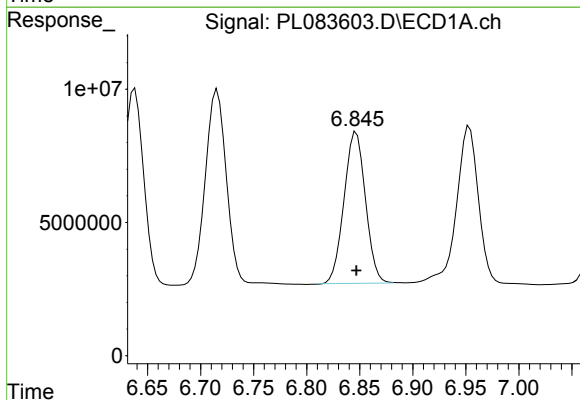
Manual Integrations  
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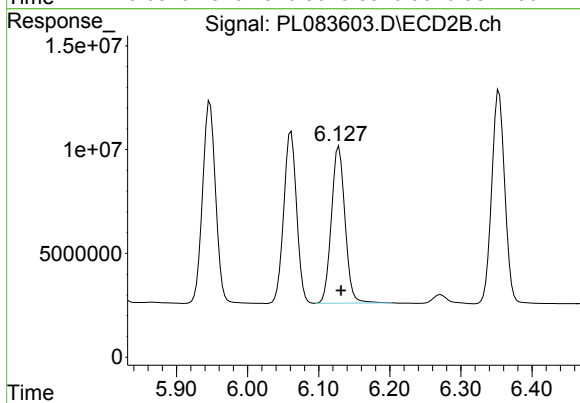
#17 4,4'-DDT

R.T.: 6.061 min  
Delta R.T.: -0.003 min  
Response: 103978608  
Conc: 49.80 ng/ml



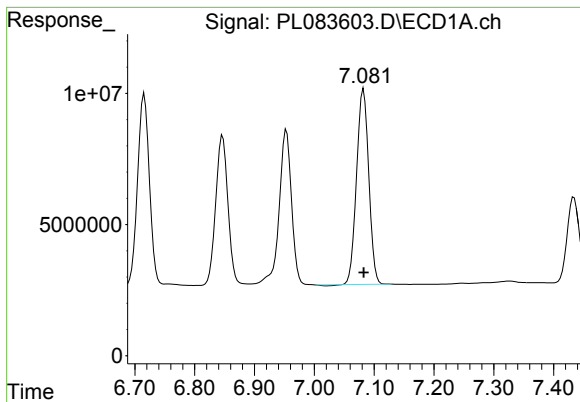
#18 Endrin aldehyde

R.T.: 6.845 min  
Delta R.T.: -0.001 min  
Response: 79786147  
Conc: 53.82 ng/ml m



#18 Endrin aldehyde

R.T.: 6.129 min  
Delta R.T.: -0.003 min  
Response: 100374630  
Conc: 53.11 ng/ml



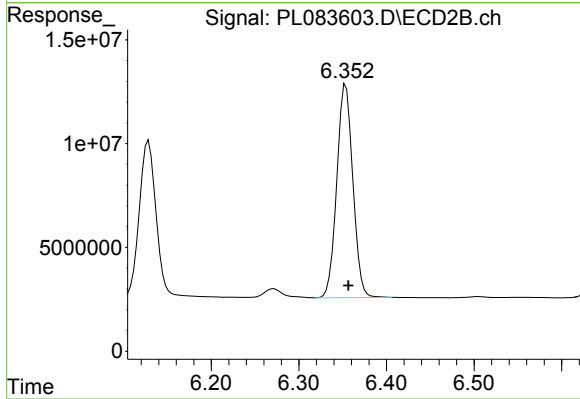
#19 Endosulfan Sulfate

R.T.: 7.082 min  
Delta R.T.: 0.000 min  
Response: 105408646  
Conc: 54.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

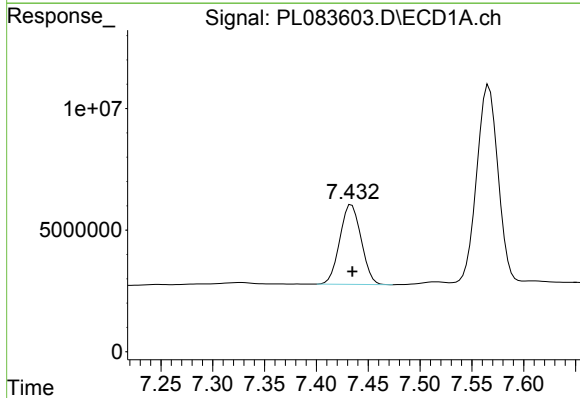
Manual Integrations  
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Reviewed By :Abdul Mirza 06/21/2023  
Supervised By :Ankita Jodhani 06/21/2023



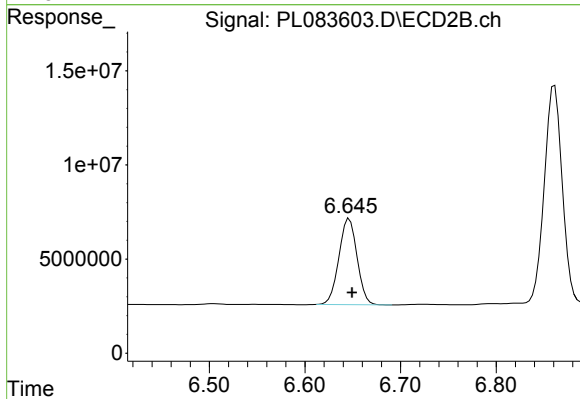
#19 Endosulfan Sulfate

R.T.: 6.354 min  
Delta R.T.: -0.003 min  
Response: 130916220  
Conc: 54.06 ng/ml



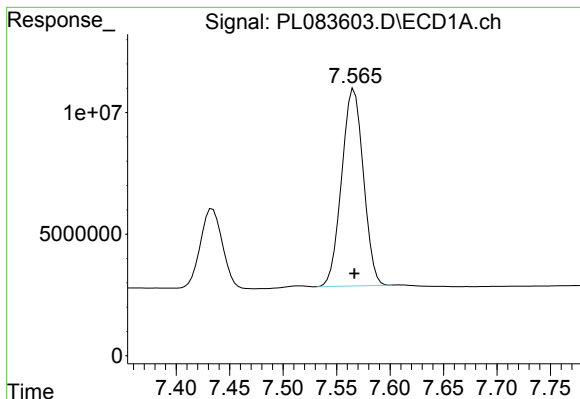
#20 Methoxychlor

R.T.: 7.434 min  
Delta R.T.: 0.000 min  
Response: 46998641  
Conc: 51.81 ng/ml



#20 Methoxychlor

R.T.: 6.646 min  
Delta R.T.: -0.003 min  
Response: 60430178  
Conc: 50.14 ng/ml



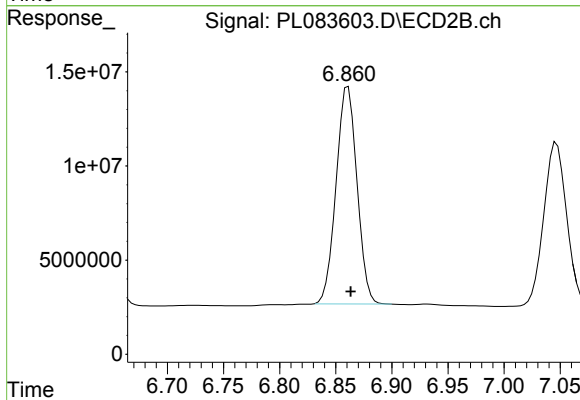
#21 Endrin ketone

R.T.: 7.566 min  
Delta R.T.: 0.000 min  
Response: 114538052  
Conc: 53.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

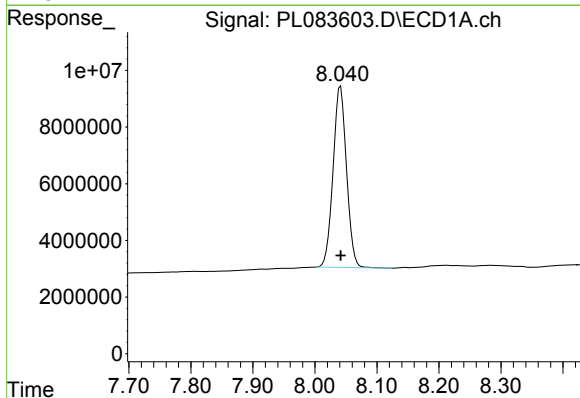
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 06/21/2023  
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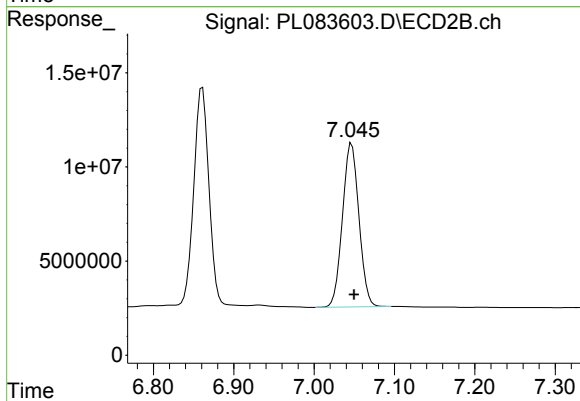
#21 Endrin ketone

R.T.: 6.861 min  
Delta R.T.: -0.002 min  
Response: 149854352  
Conc: 53.30 ng/ml



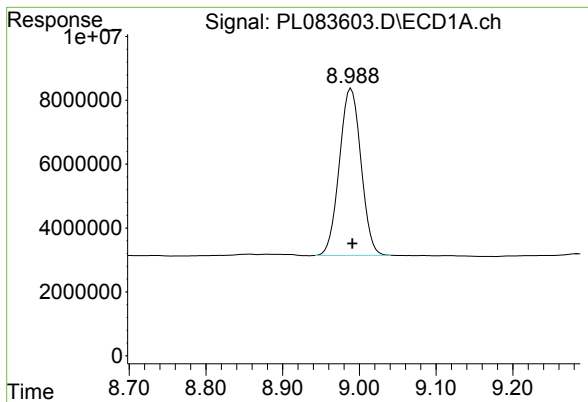
#22 Mirex

R.T.: 8.041 min  
Delta R.T.: 0.000 min  
Response: 96731537  
Conc: 51.83 ng/ml



#22 Mirex

R.T.: 7.047 min  
Delta R.T.: -0.003 min  
Response: 123658386  
Conc: 51.38 ng/ml



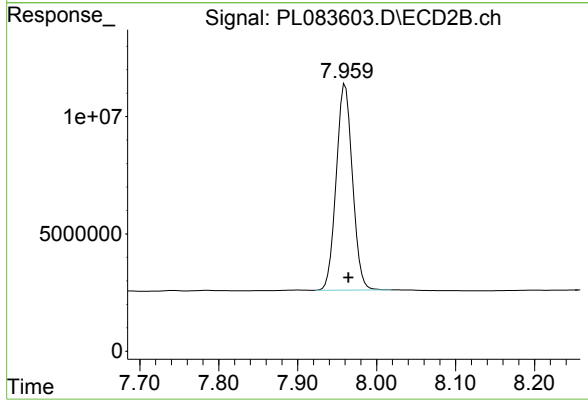
#28 Decachlorobiphenyl

R.T.: 8.989 min  
Delta R.T.: -0.002 min  
Response: 102615174  
Conc: 53.85 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PSTDCCC050

Manual Integrations  
APPROVED

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Supervised By :Ankita Jodhani 06/21/2023



#28 Decachlorobiphenyl

R.T.: 7.960 min  
Delta R.T.: -0.004 min  
Response: 125357569  
Conc: 51.04 ng/ml