

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL122223\  
 Data File : PL087376.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Dec 2023 17:45  
 Operator : AR\AJ  
 Sample : PB157998BS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PB157998BS

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 12/26/2023  
 Supervised By : Ankita Jodhani 12/26/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 22 20:02:30 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL121523.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Dec 16 04:03:23 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... | 3.430 | 2.680 | 79020906 | 32173216 | 20.997  | 19.113  |
| 28)                         | SA Decachlor... | 8.990 | 7.870 | 77935826 | 34737646 | 22.856  | 20.568  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.887 | 3.184 | 318.3E6  | 131.9E6  | 58.797  | 53.678  |
| 3)                          | MA gamma-BHC... | 4.220 | 3.515 | 307.2E6  | 129.8E6  | 58.455  | 53.573  |
| 4)                          | MA Heptachlor   | 4.813 | 3.857 | 286.6E6  | 118.2E6  | 53.807  | 49.457  |
| 5)                          | MB Aldrin       | 5.156 | 4.138 | 288.5E6  | 123.3E6  | 55.418  | 51.417  |
| 6)                          | B beta-BHC      | 4.420 | 3.816 | 122.5E6  | 52121880 | 53.328  | 50.069  |
| 7)                          | B delta-BHC     | 4.666 | 4.046 | 298.5E6  | 128.9E6  | 57.076  | 52.689  |
| 8)                          | B Heptachlo...  | 5.586 | 4.645 | 263.9E6  | 109.7E6  | 55.997  | 49.278  |
| 9)                          | A Endosulfan I  | 5.972 | 5.016 | 238.3E6  | 105.6E6  | 53.356  | 48.840  |
| 10)                         | B gamma-Chl...  | 5.842 | 4.897 | 256.7E6  | 119.3E6  | 52.949m | 52.164m |
| 11)                         | B alpha-Chl...  | 5.923 | 4.963 | 245.6E6  | 120.7E6  | 51.109m | 52.291  |
| 12)                         | B 4,4'-DDE      | 6.106 | 5.162 | 215.4E6  | 97839694 | 51.969  | 49.277  |
| 13)                         | MA Dieldrin     | 6.251 | 5.283 | 245.1E6  | 98841003 | 52.822  | 44.368m |
| 14)                         | MA Endrin       | 6.481 | 5.560 | 192.7E6  | 108.8E6  | 50.076  | 54.509  |
| 15)                         | B Endosulfa...  | 6.701 | 5.856 | 206.1E6  | 88296926 | 51.397m | 45.350m |
| 16)                         | A 4,4'-DDD      | 6.625 | 5.720 | 186.6E6  | 87659046 | 56.449m | 52.942  |
| 17)                         | MA 4,4'-DDT     | 6.944 | 5.973 | 180.6E6  | 82451723 | 48.035  | 44.706  |
| 18)                         | B Endrin al...  | 6.833 | 6.040 | 157.8E6  | 71116834 | 54.427  | 48.457  |
| 19)                         | B Endosulfa...  | 7.070 | 6.265 | 201.2E6  | 90798316 | 51.249  | 48.199  |
| 20)                         | A Methoxychlor  | 7.428 | 6.559 | 91613211 | 46250133 | 46.983  | 45.281  |
| 21)                         | B Endrin ke...  | 7.556 | 6.769 | 212.7E6  | 110.6E6  | 52.272  | 51.935m |
| 22)                         | Mirex           | 8.033 | 6.952 | 180.7E6  | 87149683 | 53.658  | 48.985  |
| -----                       |                 |       |       |          |          |         |         |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL122223\  
Data File : PL087376.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Dec 2023 17:45  
Operator : AR\AJ  
Sample : PB157998BS  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

## Instrument :

ECD\_L

## ClientSampleId :

PB157998BS

## Manual Integrations

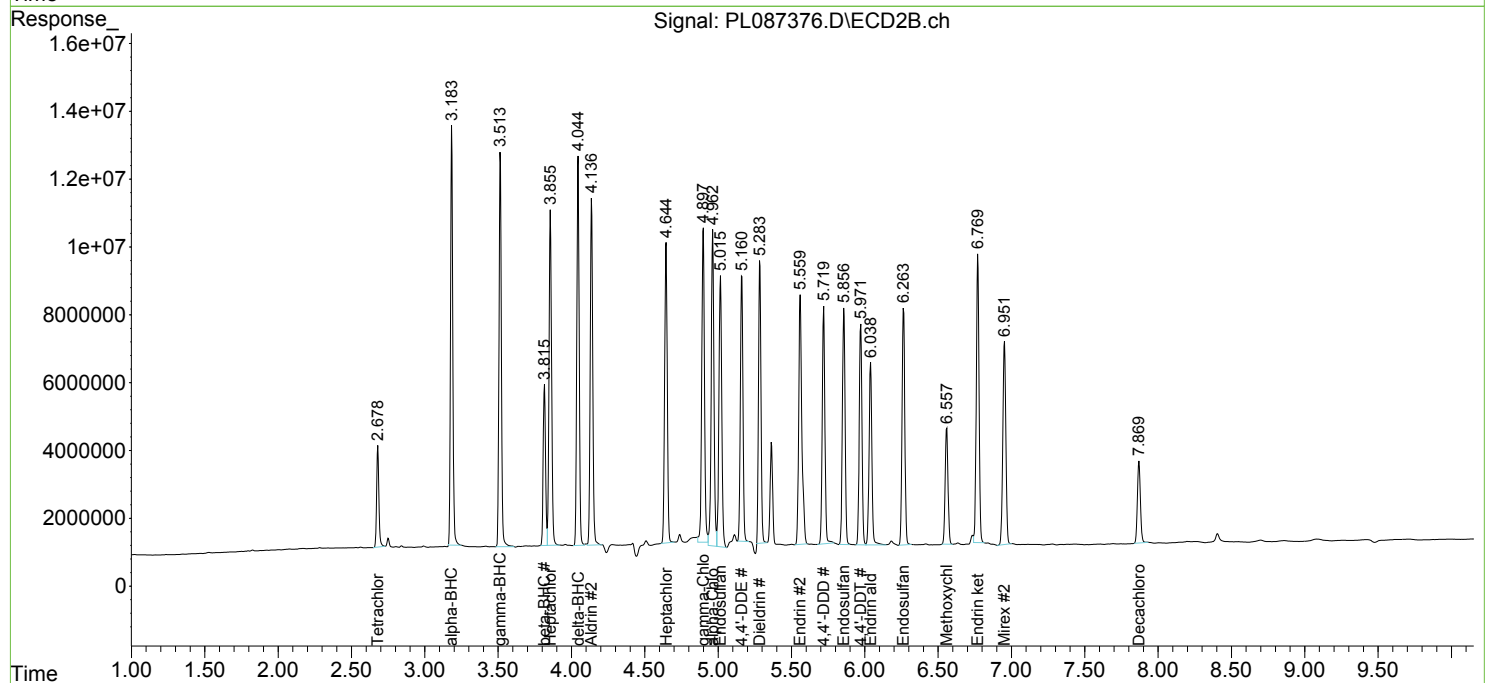
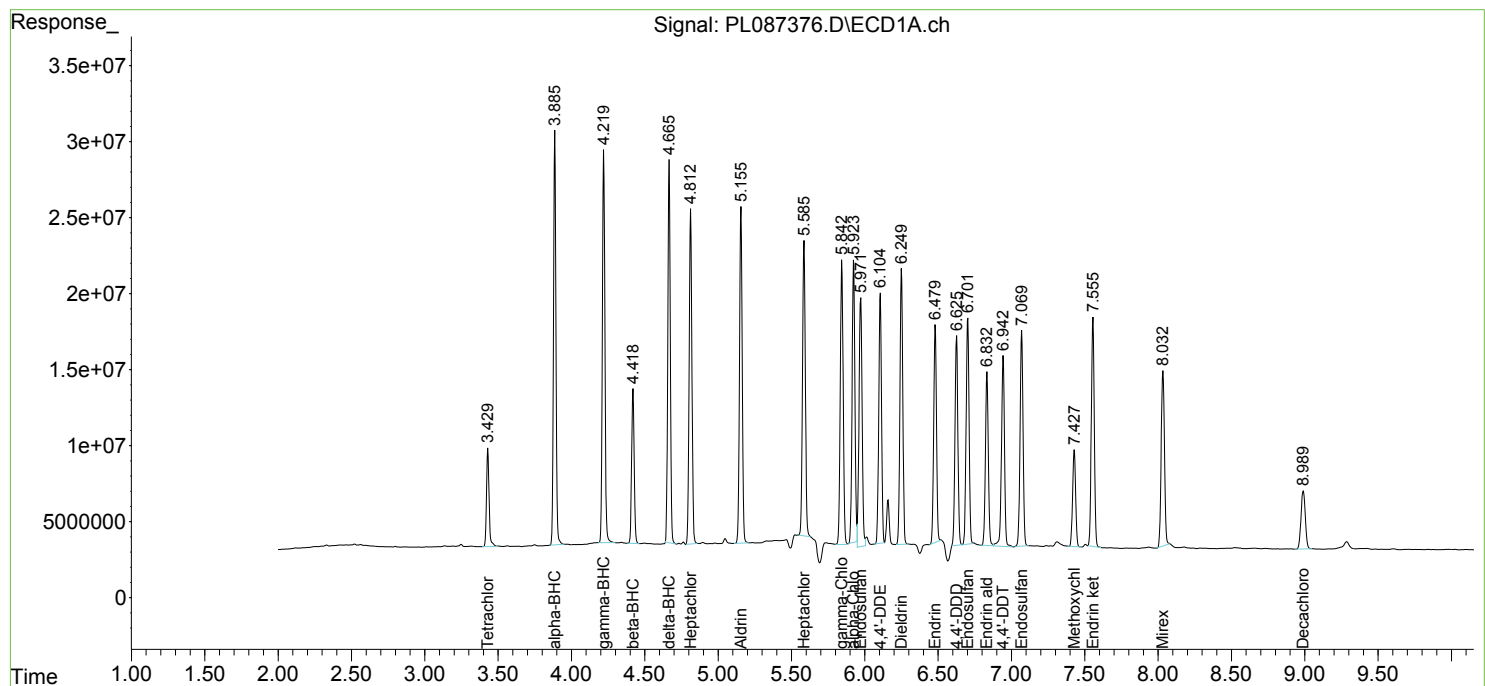
## APPROVED

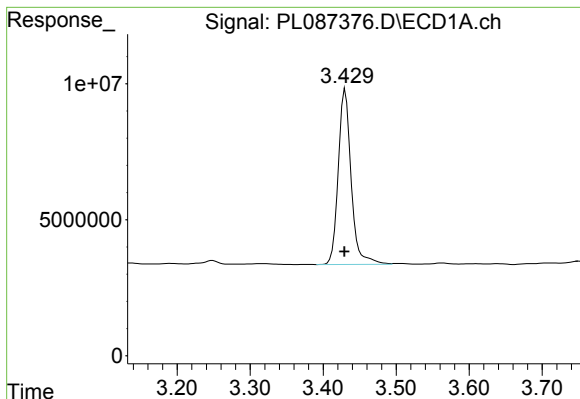
Reviewed By :Abdul Mirza 12/26/2023

Supervised By :Ankita Jodhani 12/26/2023

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 22 20:02:30 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL121523.M  
Quant Title : GC Extractables  
QLast Update : Sat Dec 16 04:03:23 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





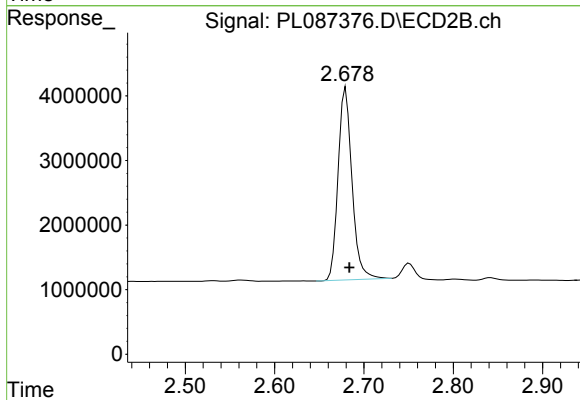
#1 Tetrachloro-m-xylene

R.T.: 3.430 min  
Delta R.T.: 0.001 min  
Response: 79020906  
Conc: 21.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

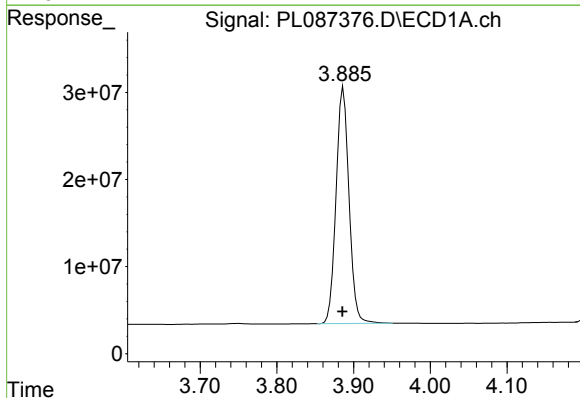
Manual Integrations  
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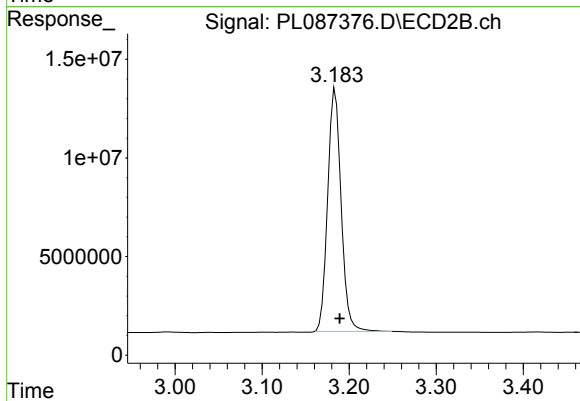
#1 Tetrachloro-m-xylene

R.T.: 2.680 min  
Delta R.T.: -0.004 min  
Response: 32173216  
Conc: 19.11 ng/ml



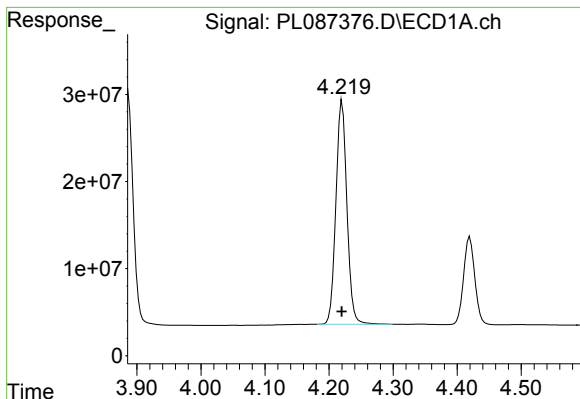
#2 alpha-BHC

R.T.: 3.887 min  
Delta R.T.: 0.001 min  
Response: 318337839  
Conc: 58.80 ng/ml



#2 alpha-BHC

R.T.: 3.184 min  
Delta R.T.: -0.005 min  
Response: 131919156  
Conc: 53.68 ng/ml



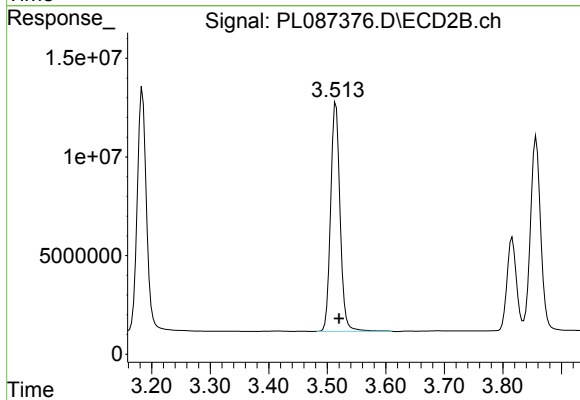
#3 gamma-BHC (Lindane)

R.T.: 4.220 min  
Delta R.T.: 0.000 min  
Response: 307222897  
Conc: 58.46 ng/ml

Instrument :  
ECD\_L  
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PB157998BS

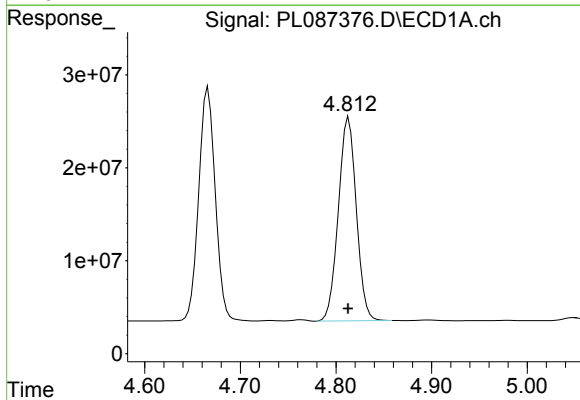
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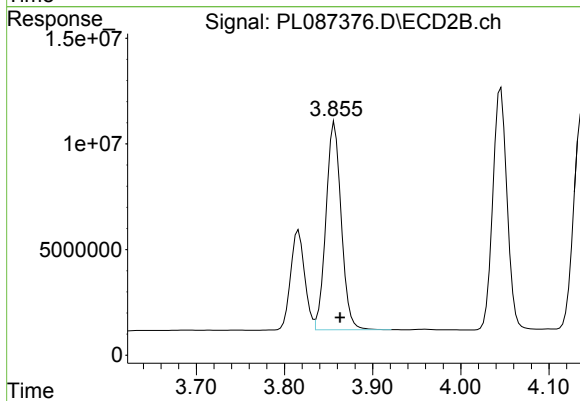
#3 gamma-BHC (Lindane)

R.T.: 3.515 min  
Delta R.T.: -0.005 min  
Response: 129774488  
Conc: 53.57 ng/ml



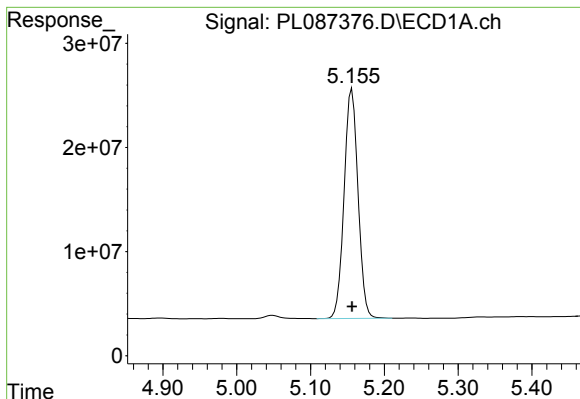
#4 Heptachlor

R.T.: 4.813 min  
Delta R.T.: 0.000 min  
Response: 286609801  
Conc: 53.81 ng/ml



#4 Heptachlor

R.T.: 3.857 min  
Delta R.T.: -0.006 min  
Response: 118216646  
Conc: 49.46 ng/ml



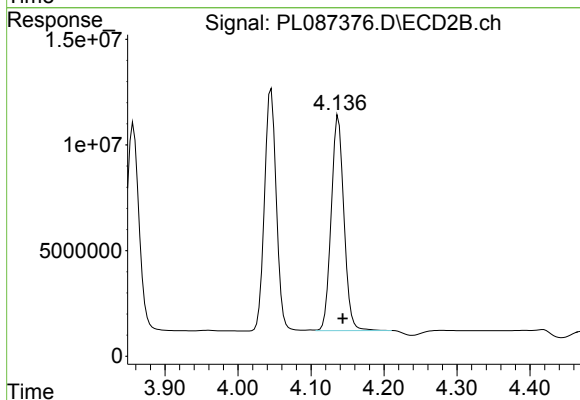
#5 Aldrin

R.T.: 5.156 min  
Delta R.T.: 0.000 min  
Response: 288530281  
Conc: 55.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

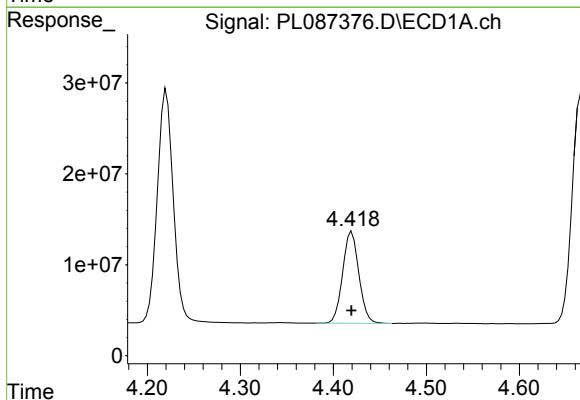
Manual Integrations  
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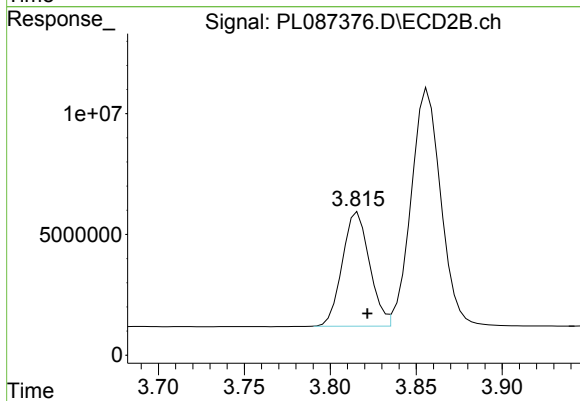
#5 Aldrin

R.T.: 4.138 min  
Delta R.T.: -0.006 min  
Response: 123284826  
Conc: 51.42 ng/ml



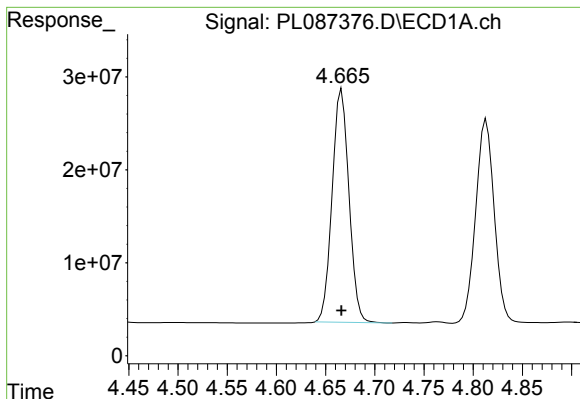
#6 beta-BHC

R.T.: 4.420 min  
Delta R.T.: 0.000 min  
Response: 122483744  
Conc: 53.33 ng/ml



#6 beta-BHC

R.T.: 3.816 min  
Delta R.T.: -0.006 min  
Response: 52121880  
Conc: 50.07 ng/ml



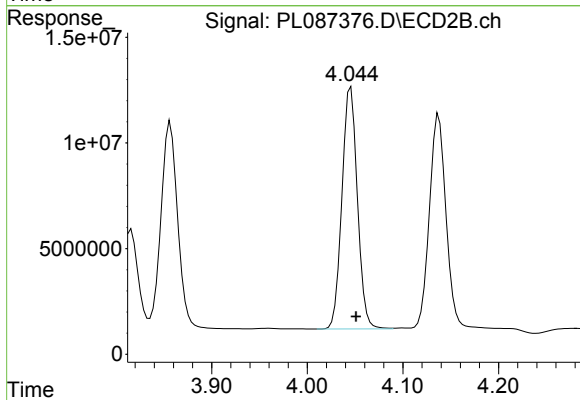
#7 delta-BHC

R.T.: 4.666 min  
Delta R.T.: 0.000 min  
Response: 298471143  
Conc: 57.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

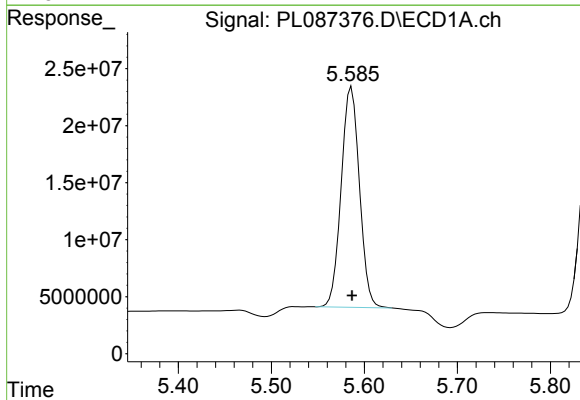
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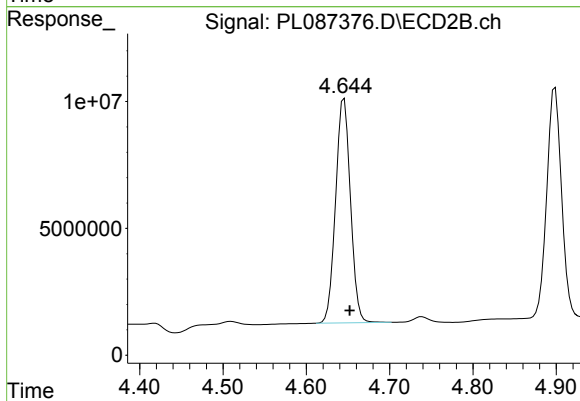
#7 delta-BHC

R.T.: 4.046 min  
Delta R.T.: -0.006 min  
Response: 128888431  
Conc: 52.69 ng/ml



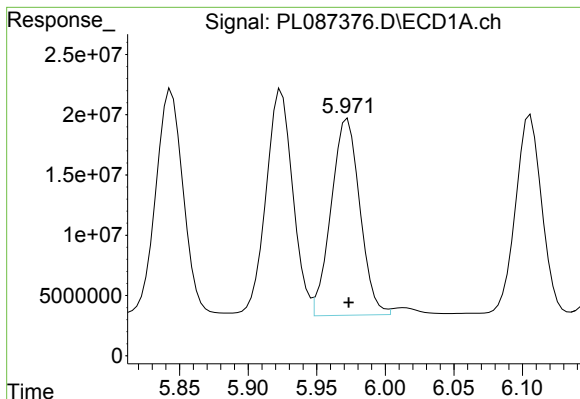
#8 Heptachlor epoxide

R.T.: 5.586 min  
Delta R.T.: 0.000 min  
Response: 263904424  
Conc: 56.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.645 min  
Delta R.T.: -0.007 min  
Response: 109658732  
Conc: 49.28 ng/ml



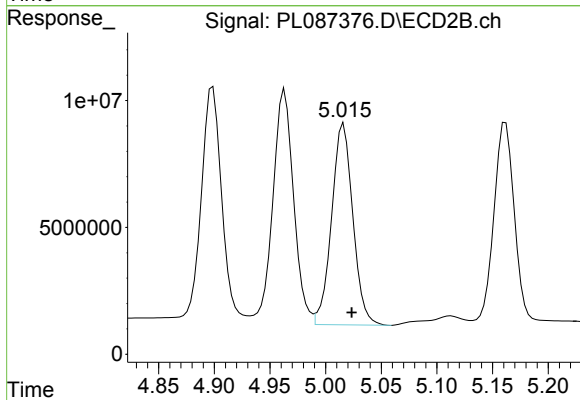
#9 Endosulfan I

R.T.: 5.972 min  
Delta R.T.: 0.000 min  
Response: 238305630  
Conc: 53.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

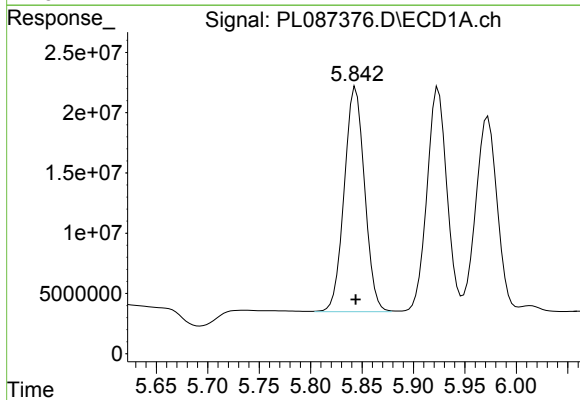
Manual Integrations  
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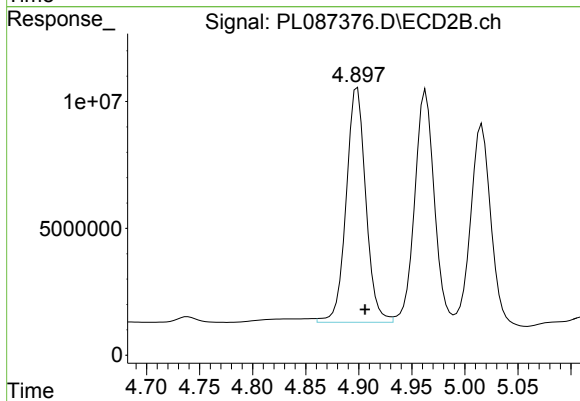
#9 Endosulfan I

R.T.: 5.016 min  
Delta R.T.: -0.007 min  
Response: 105552049  
Conc: 48.84 ng/ml



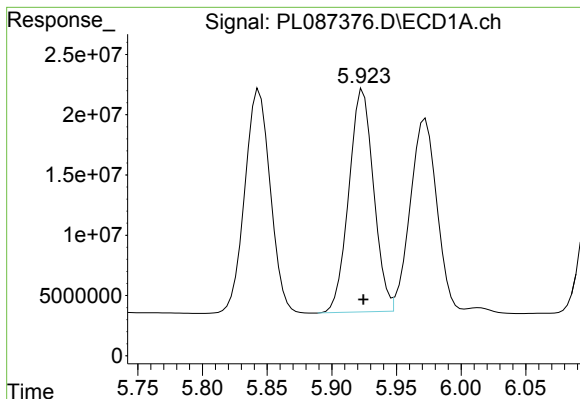
#10 gamma-Chlordane

R.T.: 5.842 min  
Delta R.T.: -0.001 min  
Response: 256696806  
Conc: 52.95 ng/ml m



#10 gamma-Chlordane

R.T.: 4.897 min  
Delta R.T.: -0.009 min  
Response: 119317870  
Conc: 52.16 ng/ml m



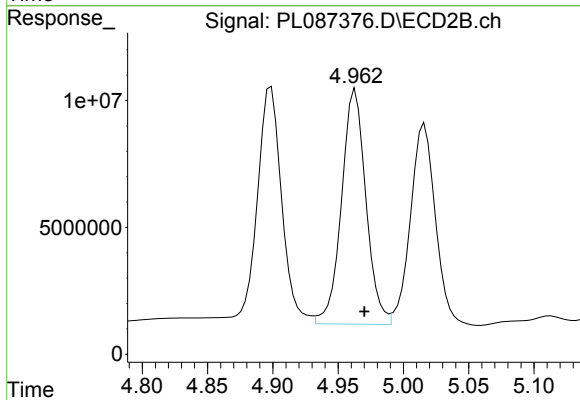
#11 alpha-Chlordane

R.T.: 5.923 min  
Delta R.T.: -0.002 min  
Response: 245638971  
Conc: 51.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

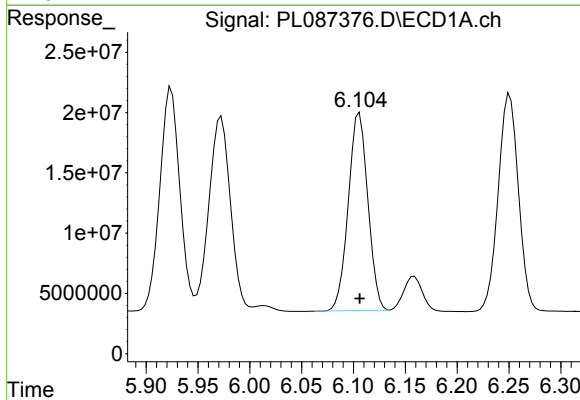
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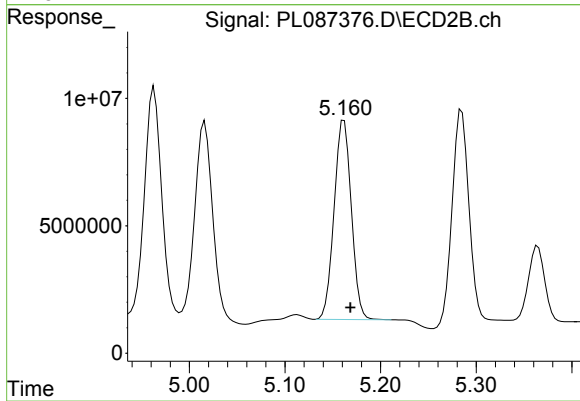
#11 alpha-Chlordane

R.T.: 4.963 min  
Delta R.T.: -0.007 min  
Response: 120687766  
Conc: 52.29 ng/ml



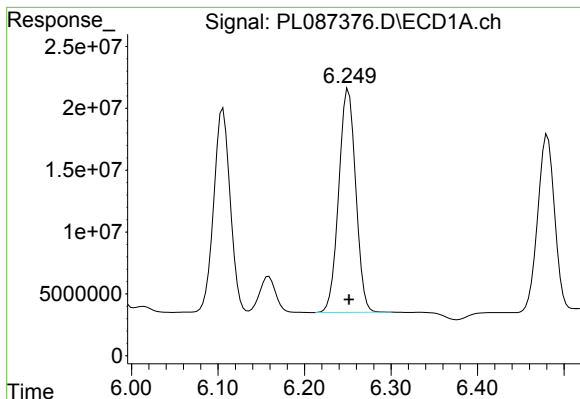
#12 4,4'-DDE

R.T.: 6.106 min  
Delta R.T.: 0.000 min  
Response: 215360221  
Conc: 51.97 ng/ml



#12 4,4'-DDE

R.T.: 5.162 min  
Delta R.T.: -0.007 min  
Response: 97839694  
Conc: 49.28 ng/ml



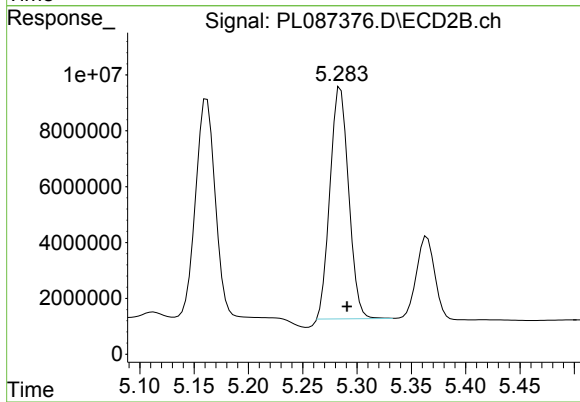
#13 Dieldrin

R.T.: 6.251 min  
Delta R.T.: 0.000 min  
Response: 245140597  
Conc: 52.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

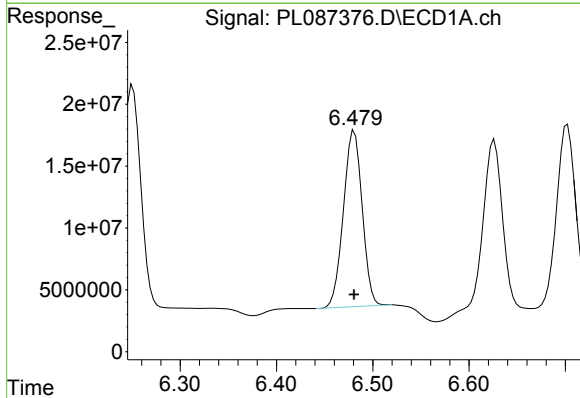
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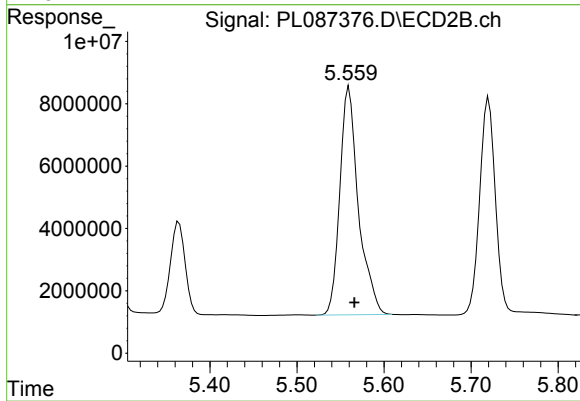
#13 Dieldrin

R.T.: 5.283 min  
Delta R.T.: -0.007 min  
Response: 98841003  
Conc: 44.37 ng/ml m



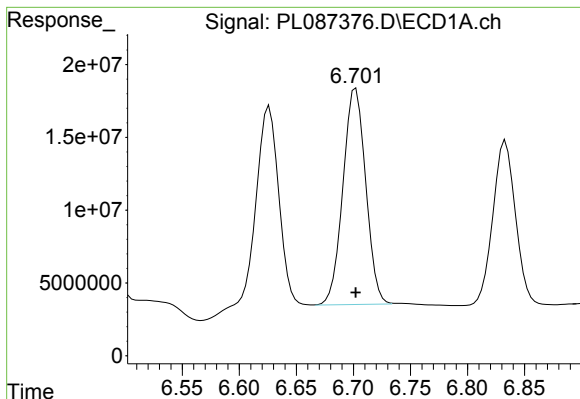
#14 Endrin

R.T.: 6.481 min  
Delta R.T.: 0.000 min  
Response: 192660794  
Conc: 50.08 ng/ml



#14 Endrin

R.T.: 5.560 min  
Delta R.T.: -0.006 min  
Response: 108780941  
Conc: 54.51 ng/ml



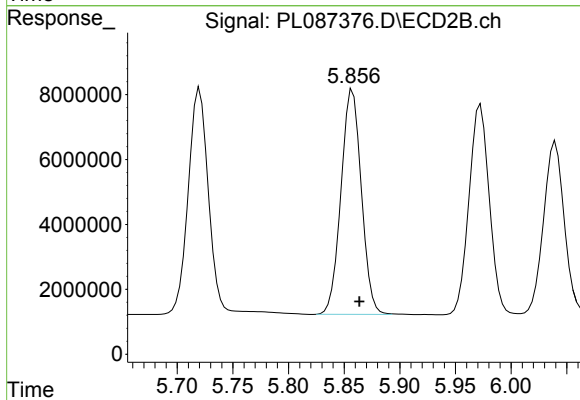
#15 Endosulfan II

R.T.: 6.701 min  
Delta R.T.: -0.001 min  
Response: 206121490  
Conc: 51.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

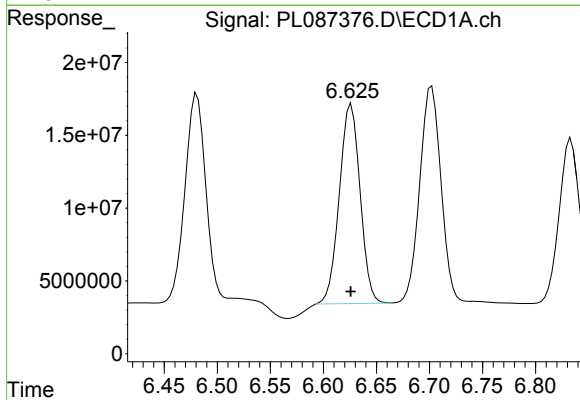
Manual Integrations  
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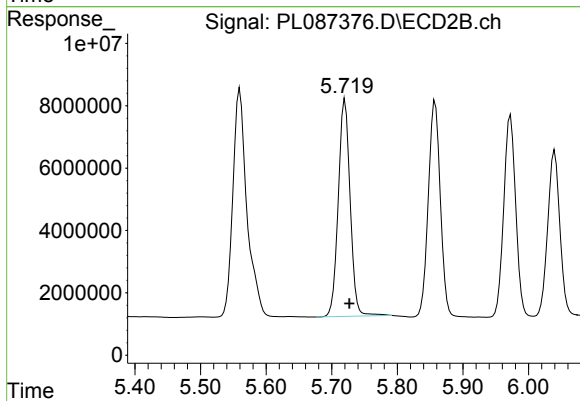
#15 Endosulfan II

R.T.: 5.856 min  
Delta R.T.: -0.008 min  
Response: 88296926  
Conc: 45.35 ng/ml m



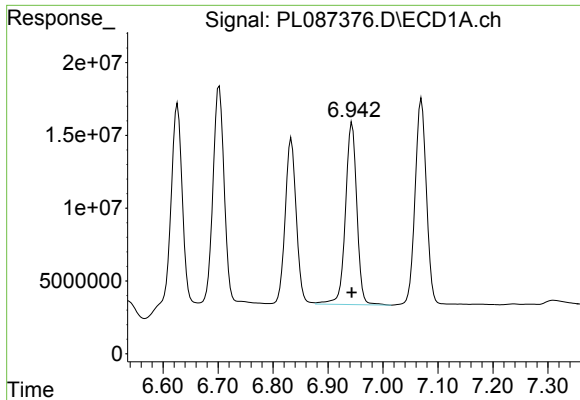
#16 4,4'-DDD

R.T.: 6.625 min  
Delta R.T.: 0.000 min  
Response: 186571818  
Conc: 56.45 ng/ml m



#16 4,4'-DDD

R.T.: 5.720 min  
Delta R.T.: -0.007 min  
Response: 87659046  
Conc: 52.94 ng/ml



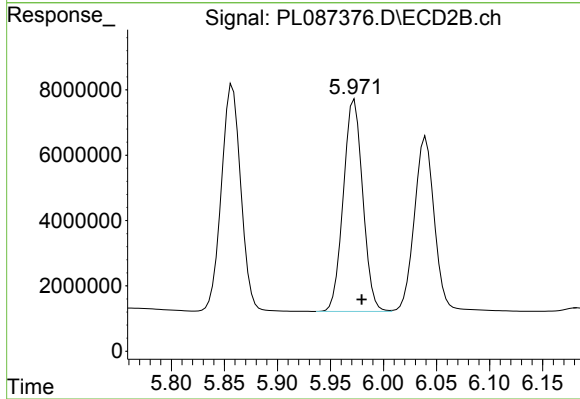
#17 4,4'-DDT

R.T.: 6.944 min  
Delta R.T.: 0.000 min  
Response: 180620556  
Conc: 48.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

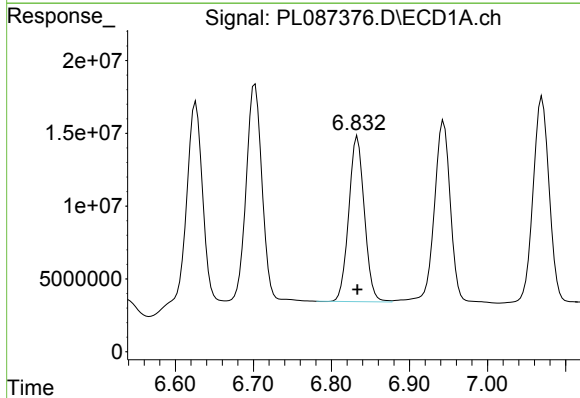
Manual Integrations  
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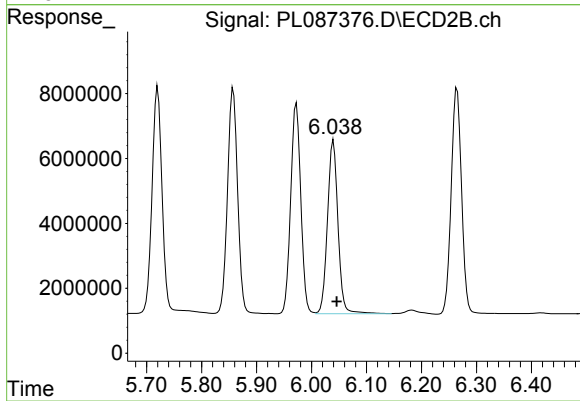
#17 4,4'-DDT

R.T.: 5.973 min  
Delta R.T.: -0.007 min  
Response: 82451723  
Conc: 44.71 ng/ml



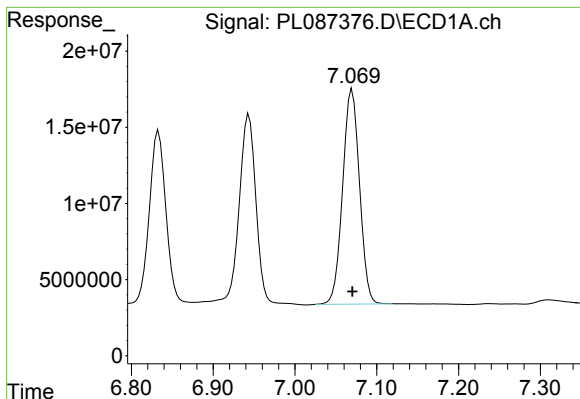
#18 Endrin aldehyde

R.T.: 6.833 min  
Delta R.T.: 0.000 min  
Response: 157750436  
Conc: 54.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.040 min  
Delta R.T.: -0.006 min  
Response: 71116834  
Conc: 48.46 ng/ml



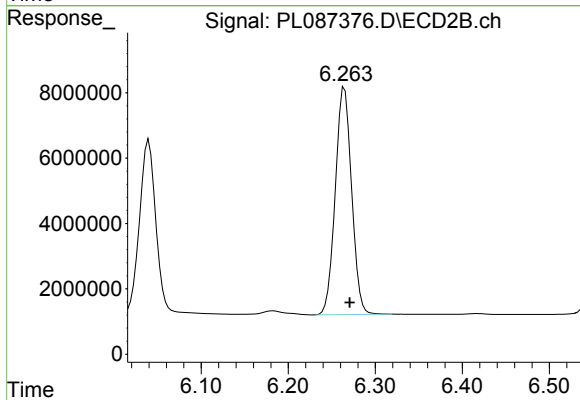
#19 Endosulfan Sulfate

R.T.: 7.070 min  
Delta R.T.: 0.000 min  
Response: 201246727  
Conc: 51.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

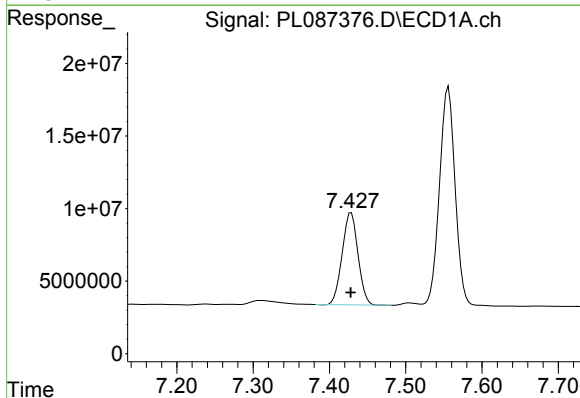
Manual Integrations  
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Reviewed By :Abdul Mirza 12/26/2023  
Supervised By :Ankita Jodhani 12/26/2023



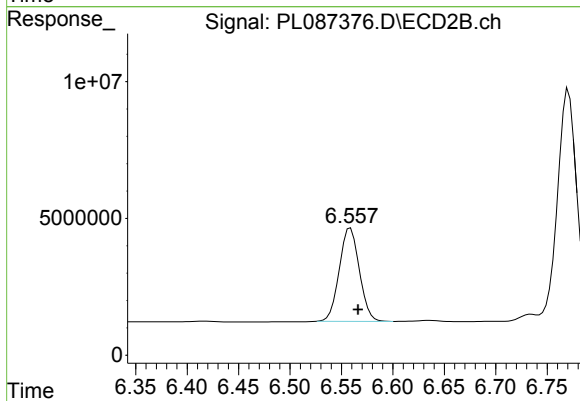
#19 Endosulfan Sulfate

R.T.: 6.265 min  
Delta R.T.: -0.006 min  
Response: 90798316  
Conc: 48.20 ng/ml



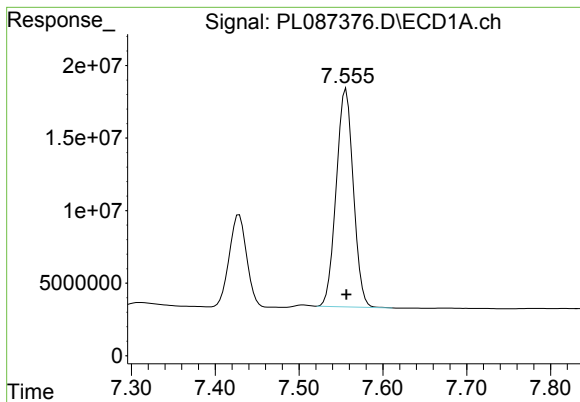
#20 Methoxychlor

R.T.: 7.428 min  
Delta R.T.: 0.000 min  
Response: 91613211  
Conc: 46.98 ng/ml



#20 Methoxychlor

R.T.: 6.559 min  
Delta R.T.: -0.007 min  
Response: 46250133  
Conc: 45.28 ng/ml



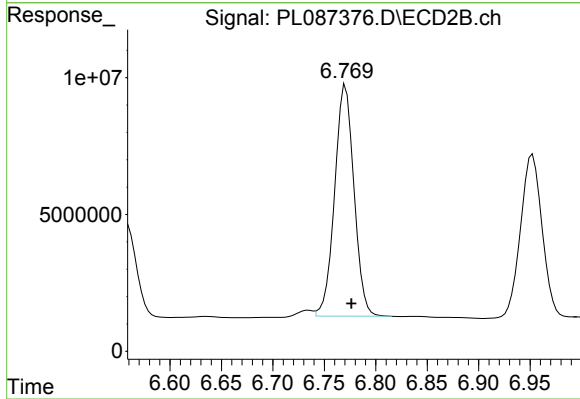
#21 Endrin ketone

R.T.: 7.556 min  
Delta R.T.: 0.000 min  
Response: 212656396  
Conc: 52.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PB157998BS

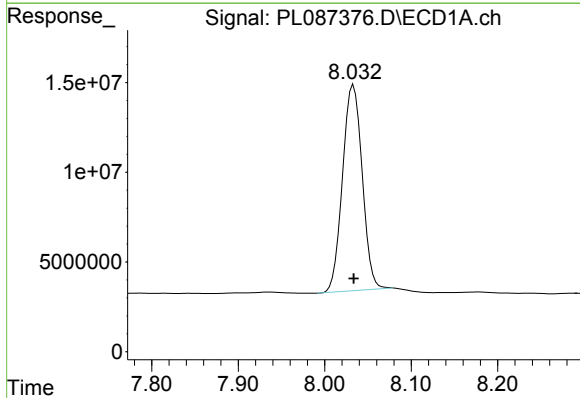
Manual Integrations  
APPROVED

Reviewed By :Abdul Mirza 12/26/2023  
Supervised By :Ankita Jodhani 12/26/2023



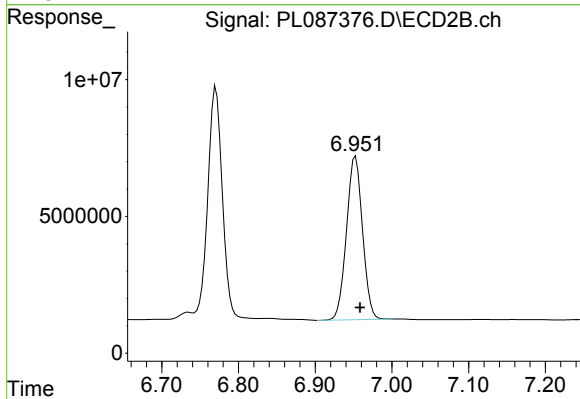
#21 Endrin ketone

R.T.: 6.769 min  
Delta R.T.: -0.007 min  
Response: 110553310  
Conc: 51.93 ng/ml m



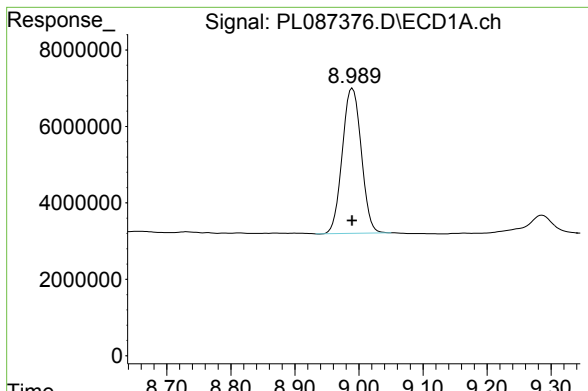
#22 Mirex

R.T.: 8.033 min  
Delta R.T.: 0.000 min  
Response: 180719226  
Conc: 53.66 ng/ml



#22 Mirex

R.T.: 6.952 min  
Delta R.T.: -0.006 min  
Response: 87149683  
Conc: 48.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.990 min  
Delta R.T.: 0.000 min  
Response: 77935826  
Conc: 22.86 ng/ml

Instrument :

ECD\_L

ClientSampleId :

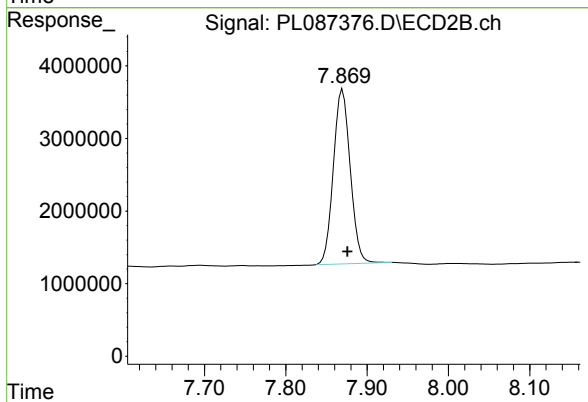
PB157998BS

Manual Integrations

APPROVED

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Supervised By :Ankita Jodhani 12/26/2023



#28 Decachlorobiphenyl

R.T.: 7.870 min  
Delta R.T.: -0.006 min  
Response: 34737646  
Conc: 20.57 ng/ml