

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL121823\  
 Data File : PL087229.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Dec 2023 12:58  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 12/19/2023  
 Supervised By : Ankita Jodhani 12/19/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 18 17:24:34 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... | 3.425 | 2.680 | 85327002 | 35011220 | 22.673  | 20.799  |
| 28)                         | SA Decachlor... | 8.994 | 7.878 | 73963700 | 34410280 | 21.691  | 20.374  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.882 | 3.185 | 60405201 | 24567007 | 11.157  | 9.996   |
| 3)                          | MA gamma-BHC... | 4.217 | 3.517 | 58711245 | 24000672 | 11.171  | 9.908   |
| 6)                          | B beta-BHC      | 4.417 | 3.819 | 27588749 | 11928730 | 12.012  | 11.459  |
| 12)                         | B 4,4'-DDE      | 6.102 | 5.165 | 888022   | 338716   | 0.214m  | 0.171m  |
| 14)                         | MA Endrin       | 6.480 | 5.565 | 196.7E6  | 96950719 | 51.118  | 48.581  |
| 16)                         | A 4,4'-DDD      | 6.626 | 5.725 | 7268091  | 2935954  | 2.199   | 1.773   |
| 17)                         | MA 4,4'-DDT     | 6.944 | 5.979 | 408.7E6  | 197.1E6  | 108.685 | 106.859 |
| 18)                         | B Endrin al...  | 6.834 | 6.047 | 6774159  | 5230662  | 2.337   | 3.564 # |
| 20)                         | A Methoxychlor  | 7.429 | 6.566 | 496.5E6  | 240.0E6  | 254.616 | 235.009 |
| 21)                         | B Endrin ke...  | 7.555 | 6.777 | 12071673 | 7110648  | 2.967m  | 3.340   |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 18 Dec 2023 12:58  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

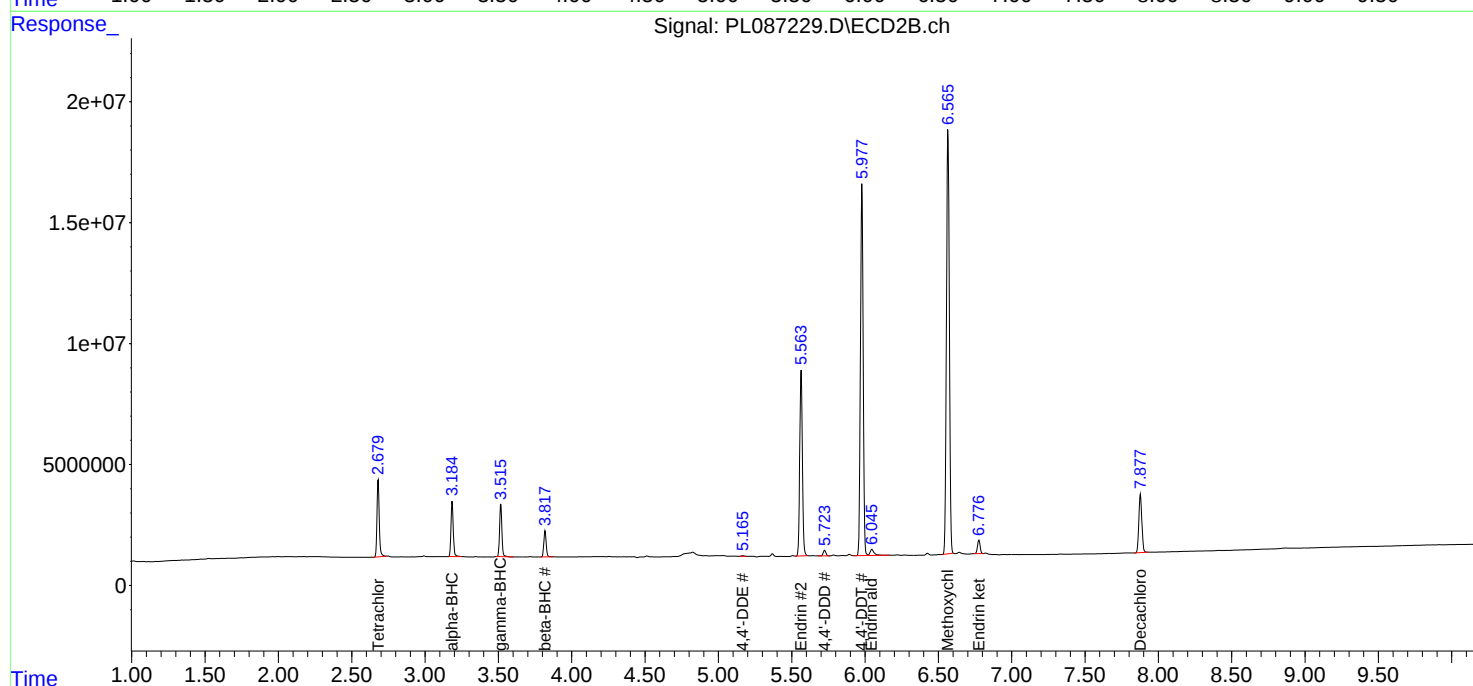
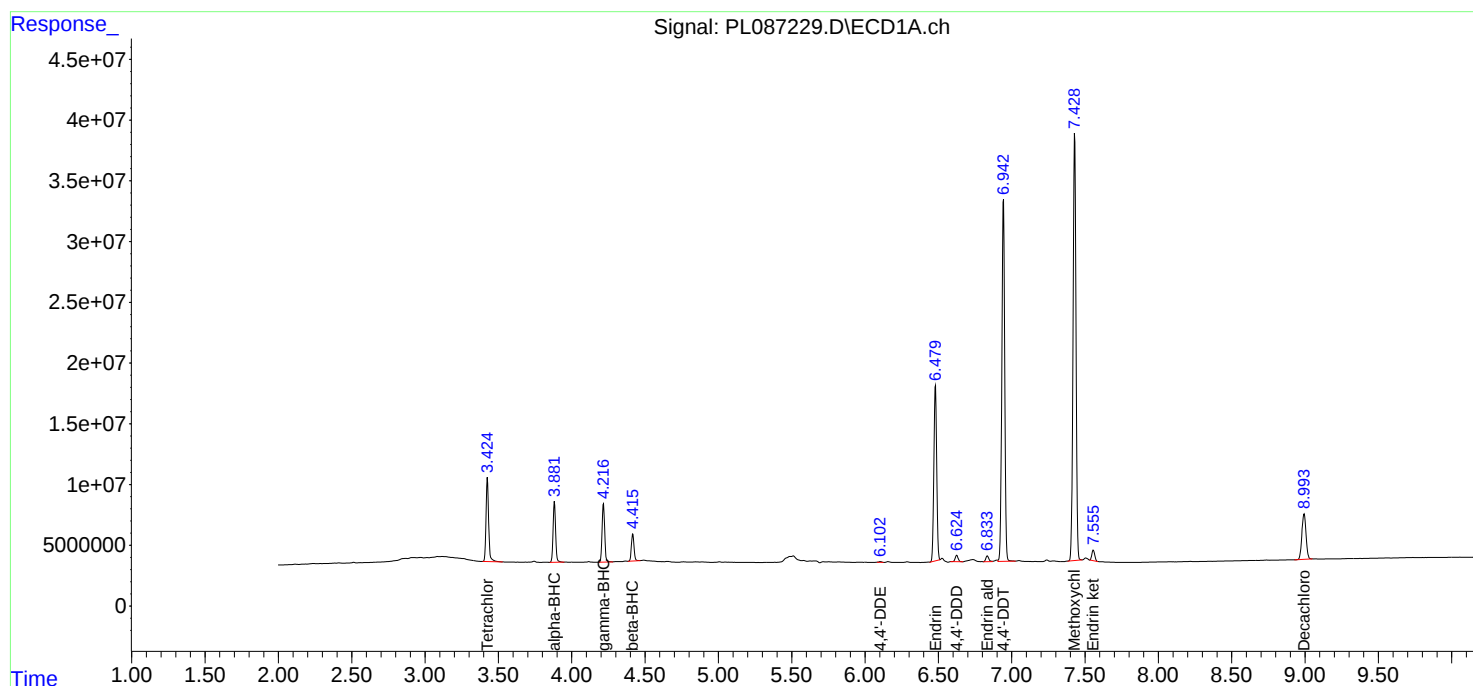
Instrument :  
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PEM

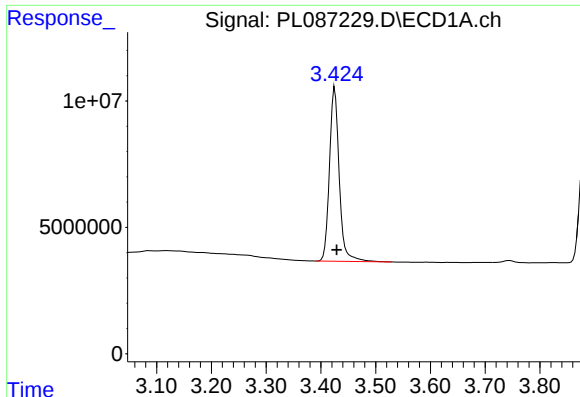
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Integration File signal 1: autoint1.e  
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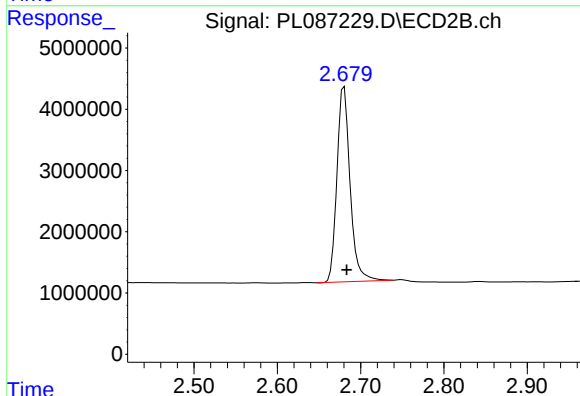
#1 Tetrachloro-m-xylene

R.T.: 3.425 min  
Delta R.T.: -0.004 min  
Response: 85327002  
Conc: 22.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

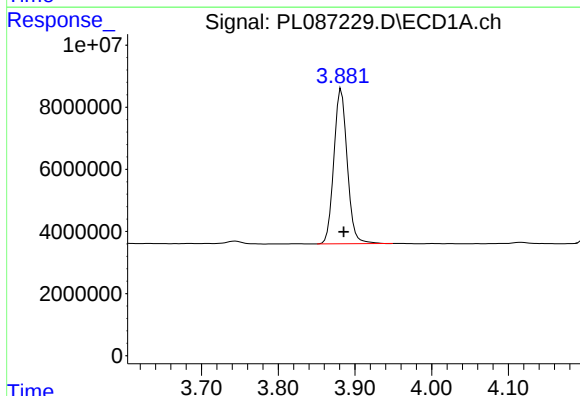
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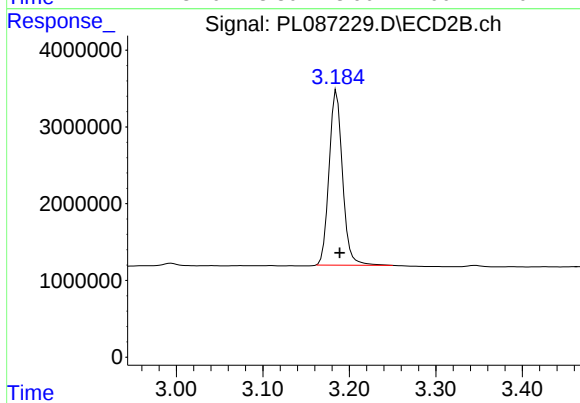
#1 Tetrachloro-m-xylene

R.T.: 2.680 min  
Delta R.T.: -0.003 min  
Response: 35011220  
Conc: 20.80 ng/ml



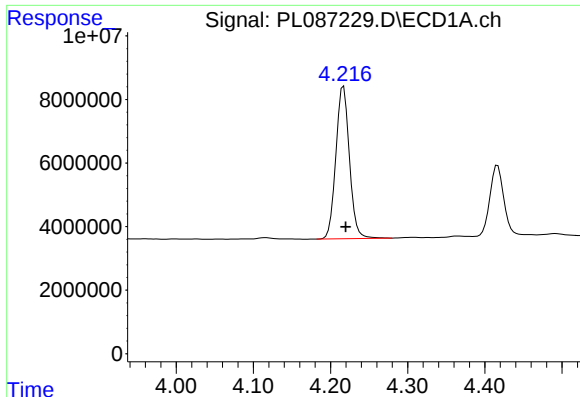
#2 alpha-BHC

R.T.: 3.882 min  
Delta R.T.: -0.003 min  
Response: 60405201  
Conc: 11.16 ng/ml



#2 alpha-BHC

R.T.: 3.185 min  
Delta R.T.: -0.004 min  
Response: 24567007  
Conc: 10.00 ng/ml



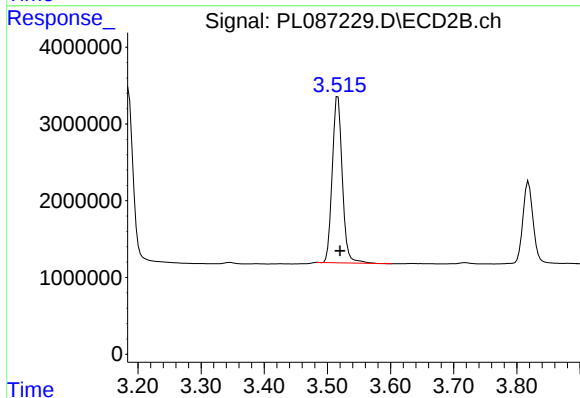
#3 gamma-BHC (Lindane)

R.T.: 4.217 min  
Delta R.T.: -0.003 min  
Response: 58711245  
Conc: 11.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

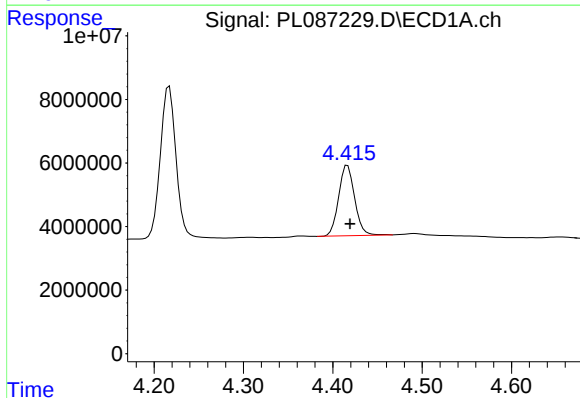
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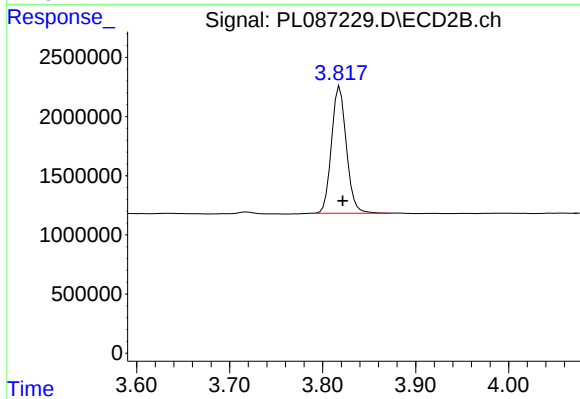
#3 gamma-BHC (Lindane)

R.T.: 3.517 min  
Delta R.T.: -0.003 min  
Response: 24000672  
Conc: 9.91 ng/ml



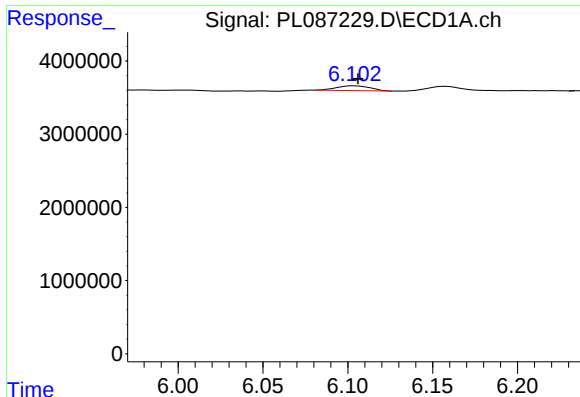
#6 beta-BHC

R.T.: 4.417 min  
Delta R.T.: -0.003 min  
Response: 27588749  
Conc: 12.01 ng/ml



#6 beta-BHC

R.T.: 3.819 min  
Delta R.T.: -0.003 min  
Response: 11928730  
Conc: 11.46 ng/ml



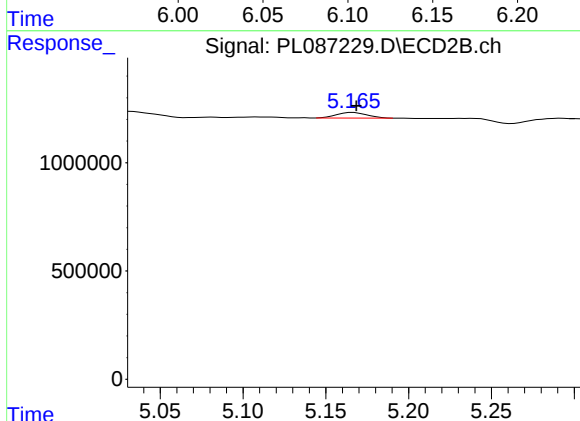
#12 4,4'-DDE

R.T.: 6.102 min  
Delta R.T.: -0.004 min  
Response: 888022  
Conc: 0.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

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#12 4,4'-DDE

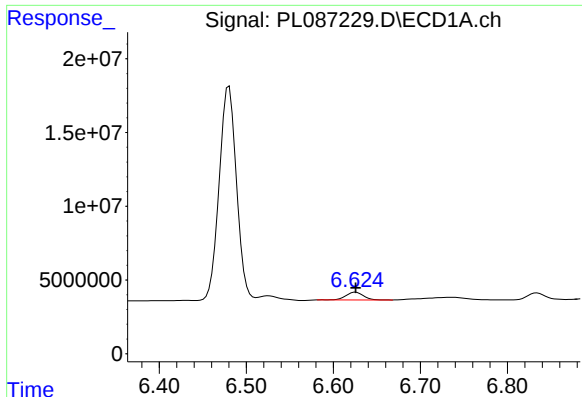
R.T.: 5.165 min  
Delta R.T.: -0.003 min  
Response: 338716  
Conc: 0.17 ng/ml m

#14 Endrin

R.T.: 6.480 min  
Delta R.T.: 0.000 min  
Response: 196668838  
Conc: 51.12 ng/ml

#14 Endrin

R.T.: 5.565 min  
Delta R.T.: -0.002 min  
Response: 96950719  
Conc: 48.58 ng/ml



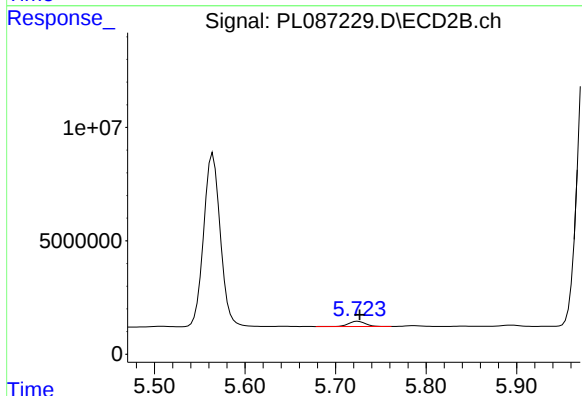
#16 4,4'-DDD

R.T.: 6.626 min  
Delta R.T.: 0.000 min  
Response: 7268091  
Conc: 2.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

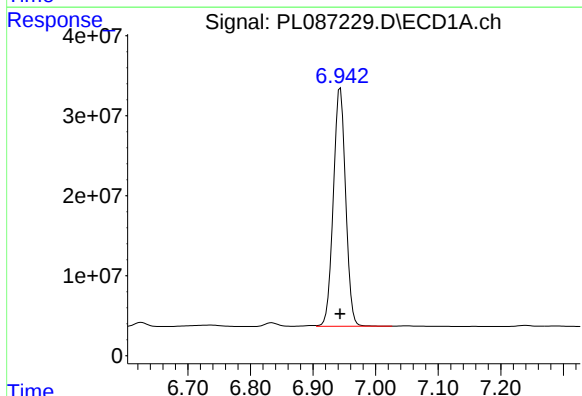
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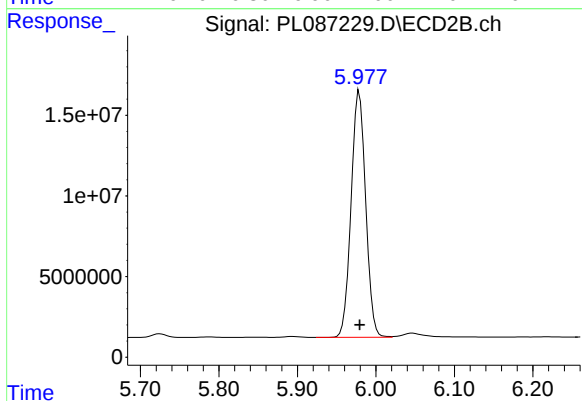
#16 4,4'-DDD

R.T.: 5.725 min  
Delta R.T.: -0.002 min  
Response: 2935954  
Conc: 1.77 ng/ml



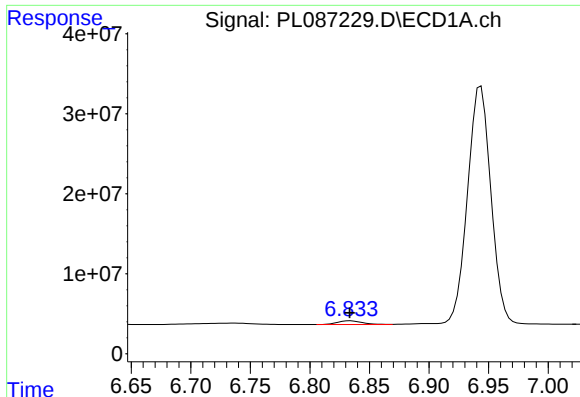
#17 4,4'-DDT

R.T.: 6.944 min  
Delta R.T.: 0.000 min  
Response: 408680852  
Conc: 108.69 ng/ml



#17 4,4'-DDT

R.T.: 5.979 min  
Delta R.T.: 0.000 min  
Response: 197082786  
Conc: 106.86 ng/ml



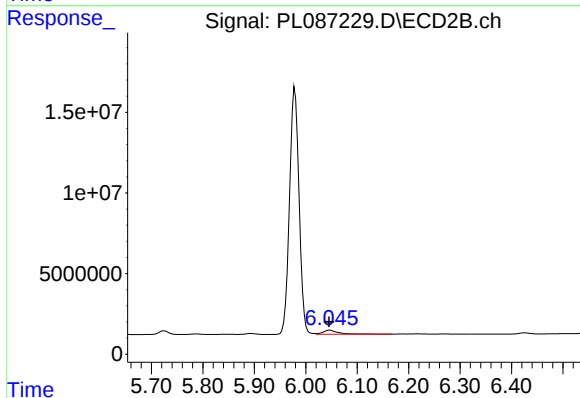
#18 Endrin aldehyde

R.T.: 6.834 min  
Delta R.T.: 0.000 min  
Response: 6774159  
Conc: 2.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

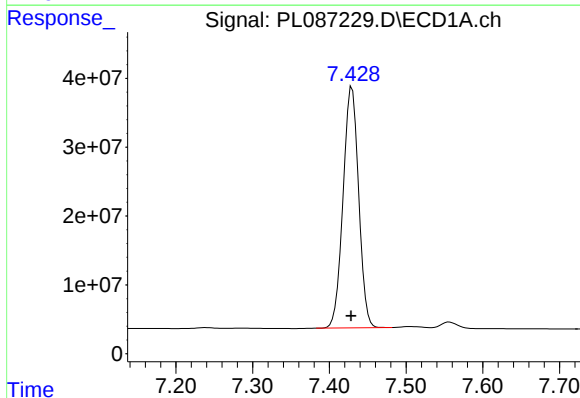
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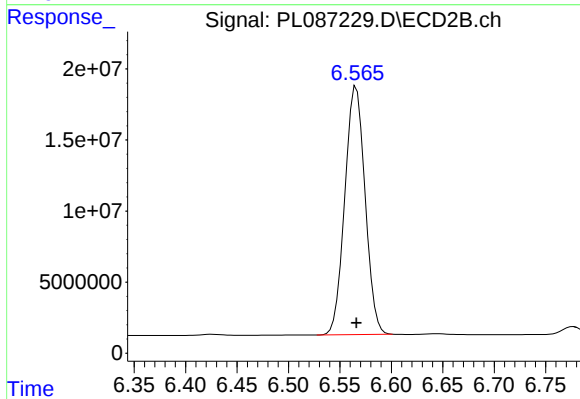
#18 Endrin aldehyde

R.T.: 6.047 min  
Delta R.T.: 0.000 min  
Response: 5230662  
Conc: 3.56 ng/ml



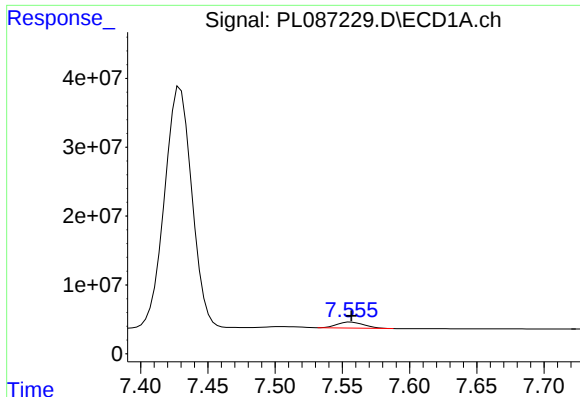
#20 Methoxychlor

R.T.: 7.429 min  
Delta R.T.: 0.001 min  
Response: 496481192  
Conc: 254.62 ng/ml



#20 Methoxychlor

R.T.: 6.566 min  
Delta R.T.: 0.000 min  
Response: 240036228  
Conc: 235.01 ng/ml



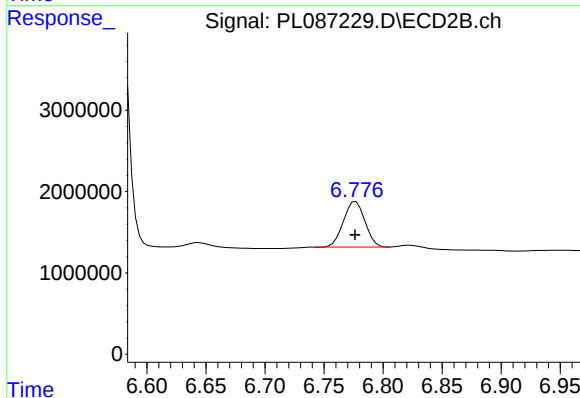
#21 Endrin ketone

R.T.: 7.555 min  
Delta R.T.: -0.002 min  
Response: 12071673  
Conc: 2.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

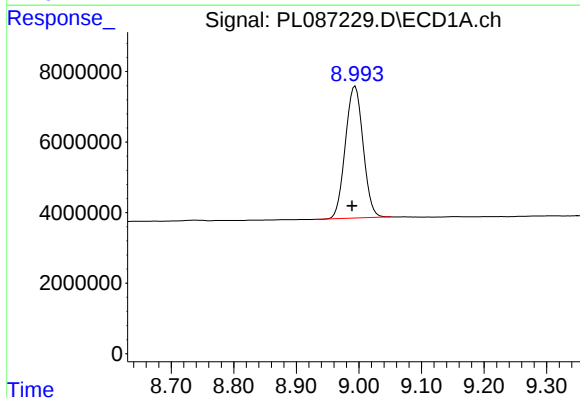
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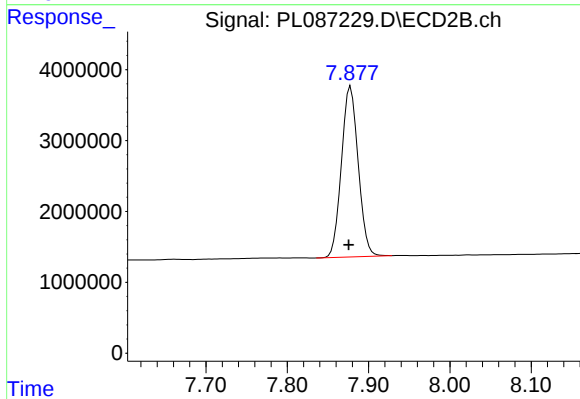
#21 Endrin ketone

R.T.: 6.777 min  
Delta R.T.: 0.000 min  
Response: 7110648  
Conc: 3.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.994 min  
Delta R.T.: 0.005 min  
Response: 73963700  
Conc: 21.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.878 min  
Delta R.T.: 0.002 min  
Response: 34410280  
Conc: 20.37 ng/ml