

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL071825\  
 Data File : PL096442.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 18 Jul 2025 08:53  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 07/21/2025  
 Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 18 23:21:52 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL070725.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jul 07 15:22:07 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.536 | 2.828 | 78657602 | 129.9E6  | 21.556  | 22.510  |
| 28)                         | SA Decachlor... | 9.019 | 7.993 | 55938758 | 104.2E6  | 19.885  | 20.896  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.984 | 3.333 | 53530501 | 94648648 | 10.408  | 11.222  |
| 3)                          | MA gamma-BHC... | 4.312 | 3.665 | 54470261 | 89381770 | 10.939  | 11.349  |
| 6)                          | B beta-BHC      | 4.498 | 3.961 | 23804444 | 40607086 | 11.451  | 11.860  |
| 14)                         | MA Endrin       | 6.544 | 5.709 | 178.8E6  | 341.4E6  | 57.494  | 55.991  |
| 16)                         | A 4,4'-DDD      | 6.677 | 5.857 | 11614128 | 16683239 | 3.989   | 3.253   |
| 17)                         | MA 4,4'-DDT     | 6.991 | 6.109 | 311.1E6  | 616.7E6  | 102.488 | 107.538 |
| 18)                         | B Endrin al...  | 6.886 | 6.181 | 3119823  | 11177604 | 1.396m  | 2.509 # |
| 20)                         | A Methoxychlor  | 7.464 | 6.682 | 382.9E6  | 714.4E6  | 243.046 | 235.157 |
| 21)                         | B Endrin ke...  | 7.598 | 6.906 | 6615920  | 11410119 | 2.004   | 1.825   |
| -----                       |                 |       |       |          |          |         |         |

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

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Data File : PL096442.D  
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Acq On : 18 Jul 2025 08:53  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

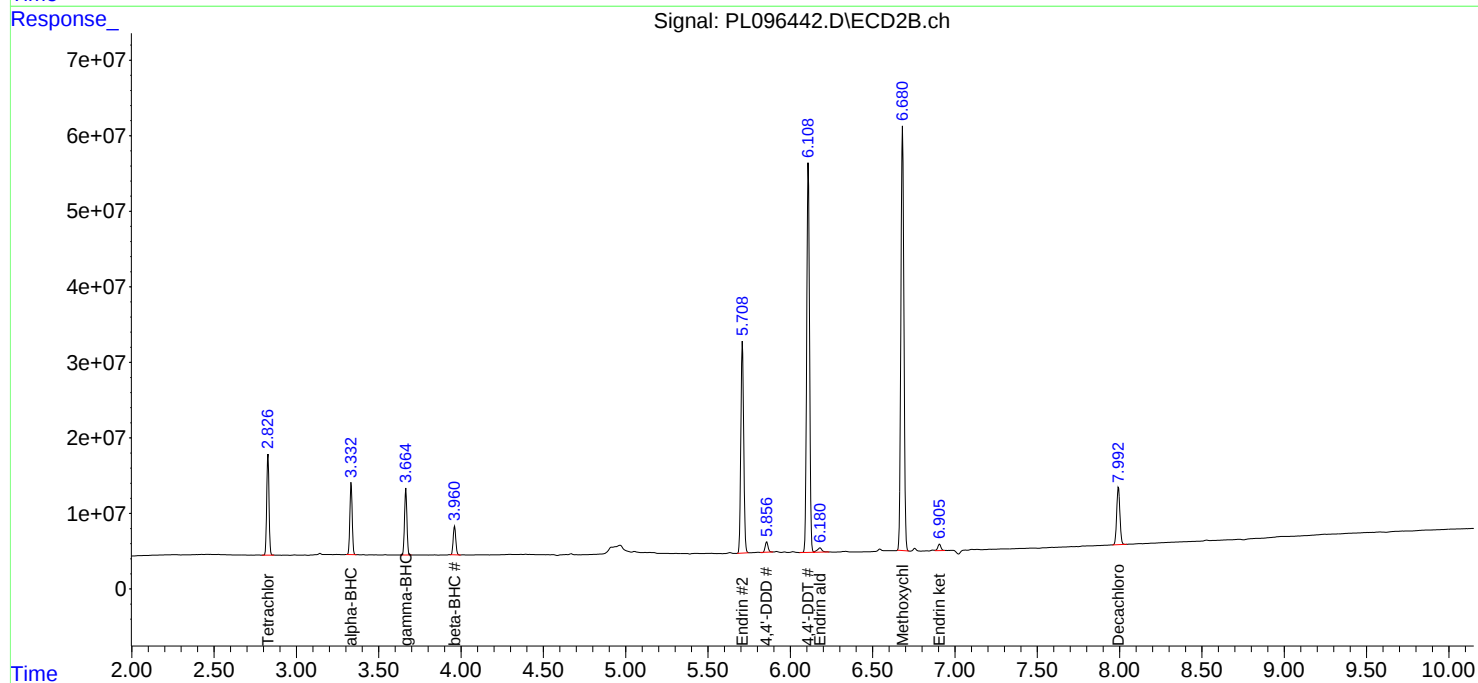
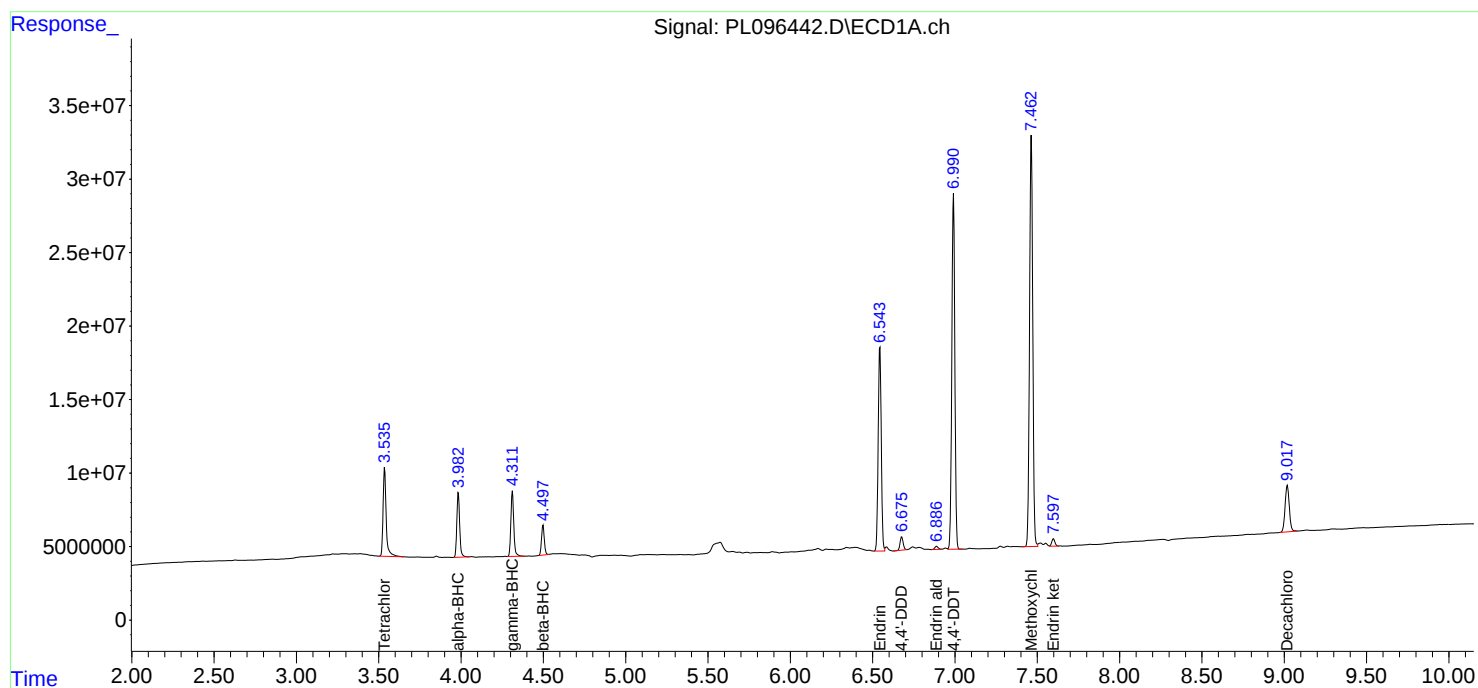
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

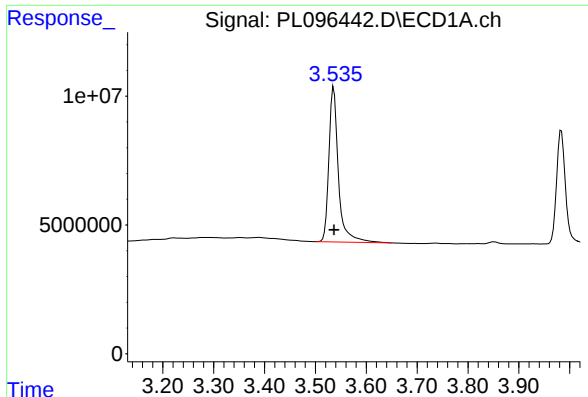
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
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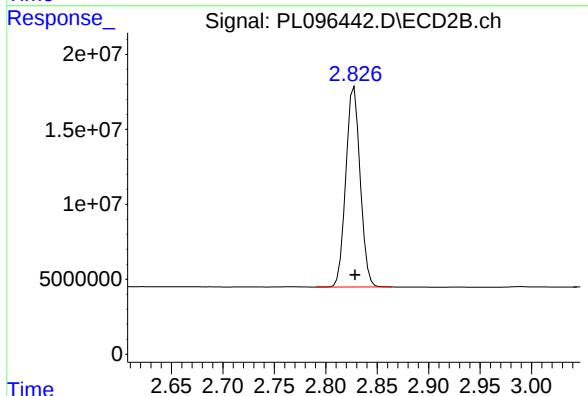
#1 Tetrachloro-m-xylene

R.T.: 3.536 min  
Delta R.T.: 0.000 min  
Response: 78657602  
Conc: 21.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

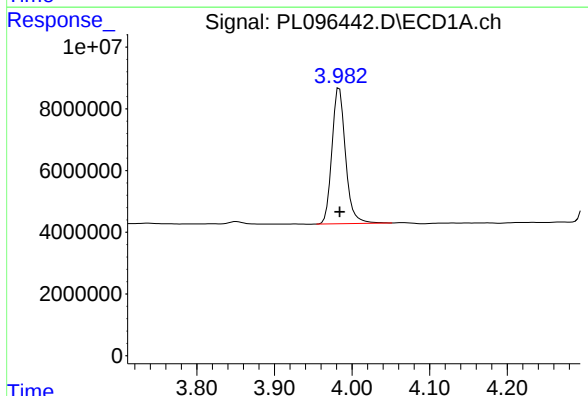
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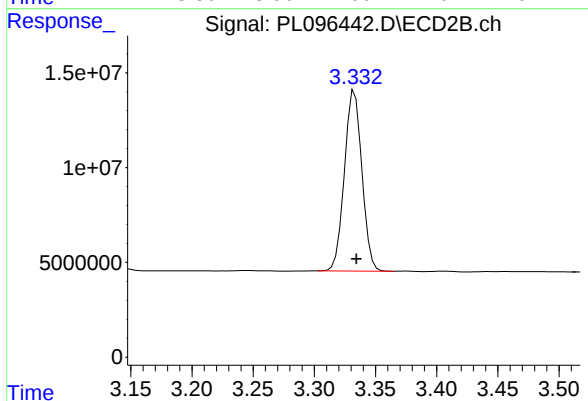
#1 Tetrachloro-m-xylene

R.T.: 2.828 min  
Delta R.T.: 0.000 min  
Response: 129910583  
Conc: 22.51 ng/ml



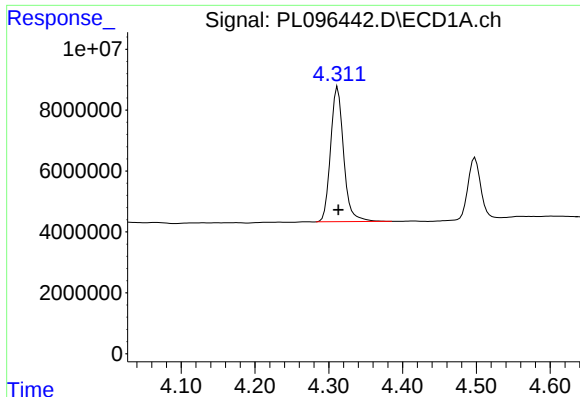
#2 alpha-BHC

R.T.: 3.984 min  
Delta R.T.: 0.000 min  
Response: 53530501  
Conc: 10.41 ng/ml



#2 alpha-BHC

R.T.: 3.333 min  
Delta R.T.: -0.001 min  
Response: 94648648  
Conc: 11.22 ng/ml



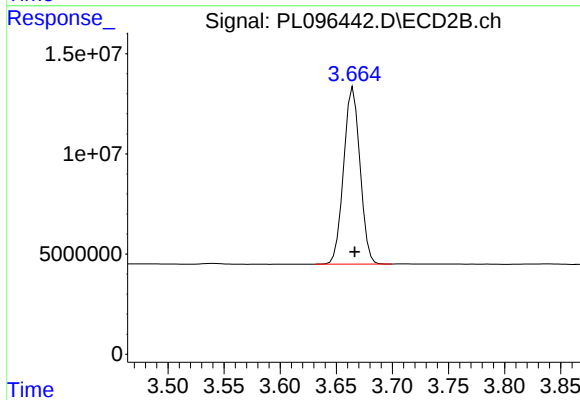
#3 gamma-BHC (Lindane)

R.T.: 4.312 min  
Delta R.T.: 0.000 min  
Response: 54470261  
Conc: 10.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

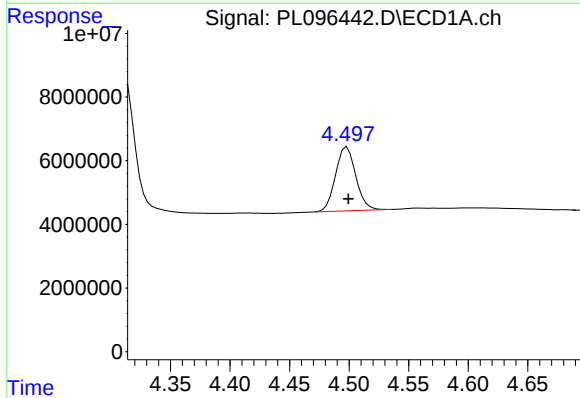
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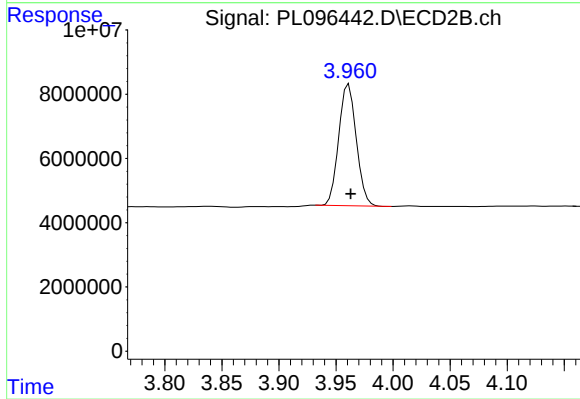
#3 gamma-BHC (Lindane)

R.T.: 3.665 min  
Delta R.T.: -0.001 min  
Response: 89381770  
Conc: 11.35 ng/ml



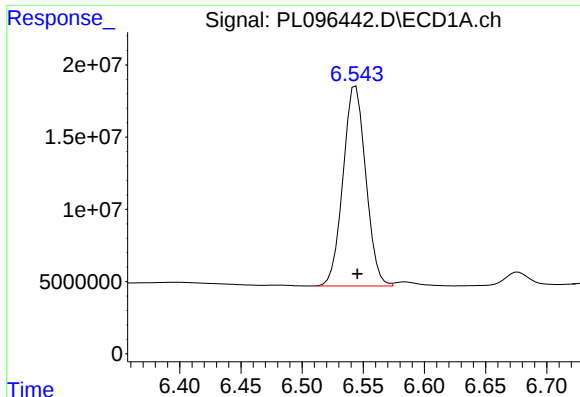
#6 beta-BHC

R.T.: 4.498 min  
Delta R.T.: -0.001 min  
Response: 23804444  
Conc: 11.45 ng/ml



#6 beta-BHC

R.T.: 3.961 min  
Delta R.T.: -0.002 min  
Response: 40607086  
Conc: 11.86 ng/ml



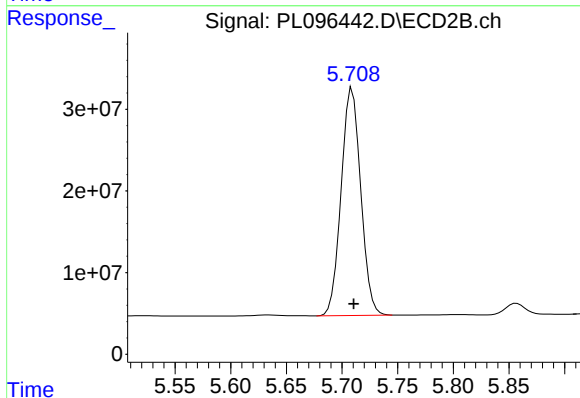
#14 Endrin

R.T.: 6.544 min  
Delta R.T.: -0.001 min  
Response: 178819956  
Conc: 57.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

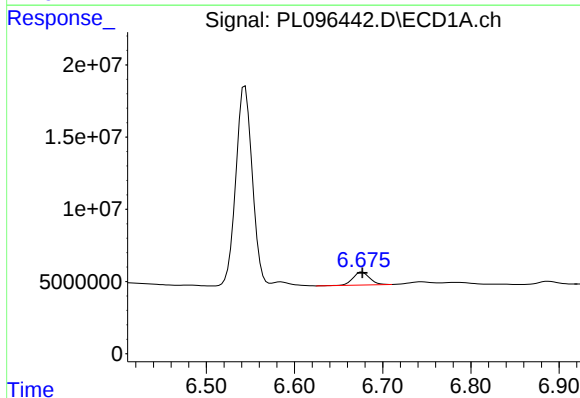
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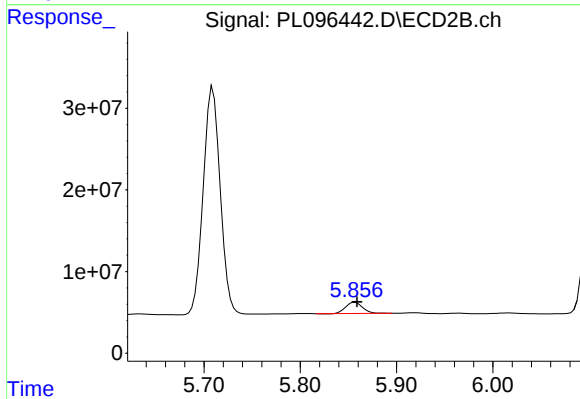
#14 Endrin

R.T.: 5.709 min  
Delta R.T.: -0.002 min  
Response: 341350071  
Conc: 55.99 ng/ml



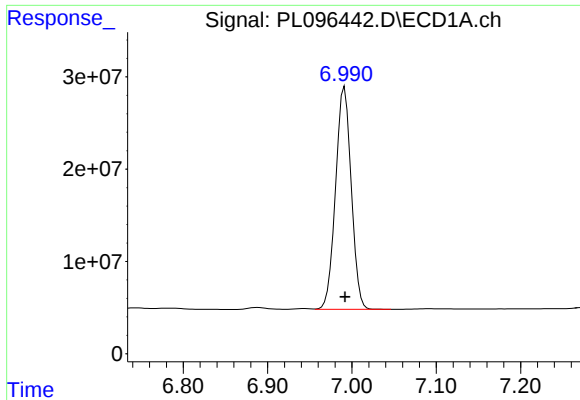
#16 4,4'-DDD

R.T.: 6.677 min  
Delta R.T.: 0.000 min  
Response: 11614128  
Conc: 3.99 ng/ml



#16 4,4'-DDD

R.T.: 5.857 min  
Delta R.T.: -0.002 min  
Response: 16683239  
Conc: 3.25 ng/ml



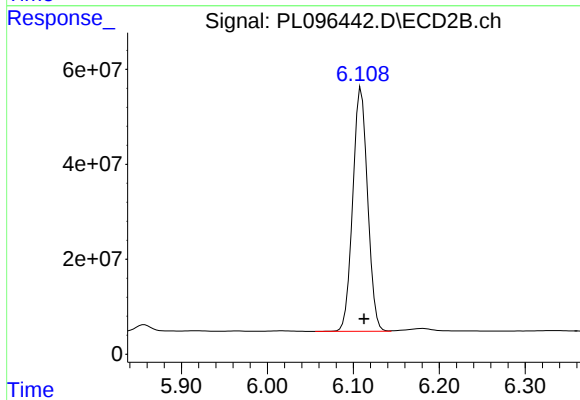
#17 4,4'-DDT

R.T.: 6.991 min  
Delta R.T.: 0.000 min  
Response: 311072156  
Conc: 102.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

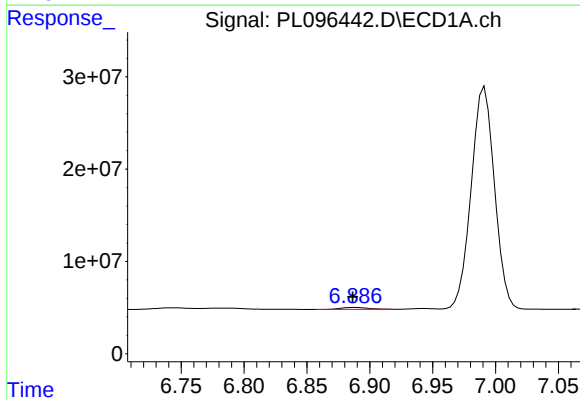
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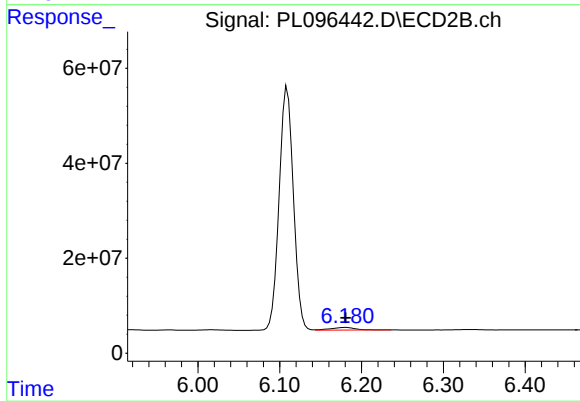
#17 4,4'-DDT

R.T.: 6.109 min  
Delta R.T.: -0.003 min  
Response: 616743456  
Conc: 107.54 ng/ml



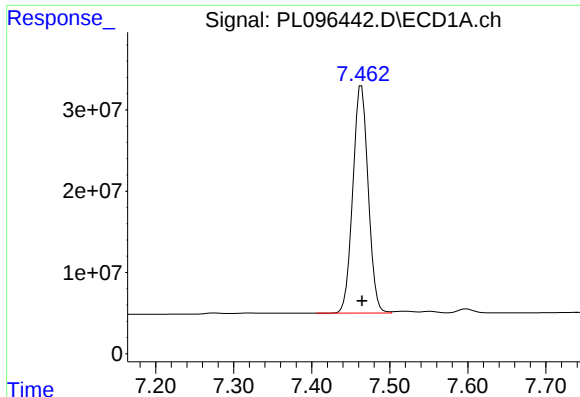
#18 Endrin aldehyde

R.T.: 6.886 min  
Delta R.T.: 0.000 min  
Response: 3119823  
Conc: 1.40 ng/ml m



#18 Endrin aldehyde

R.T.: 6.181 min  
Delta R.T.: 0.000 min  
Response: 11177604  
Conc: 2.51 ng/ml



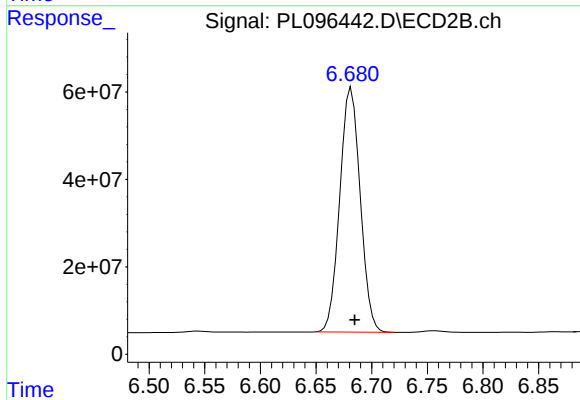
#20 Methoxychlor

R.T.: 7.464 min  
Delta R.T.: 0.000 min  
Response: 382894487  
Conc: 243.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

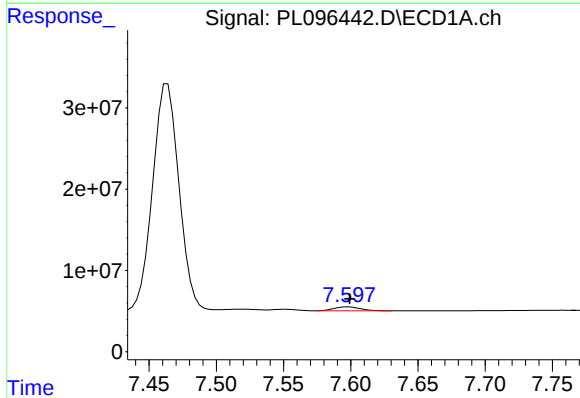
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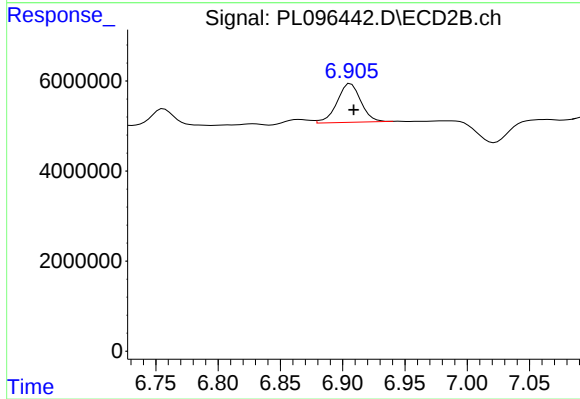
#20 Methoxychlor

R.T.: 6.682 min  
Delta R.T.: -0.003 min  
Response: 714352502  
Conc: 235.16 ng/ml



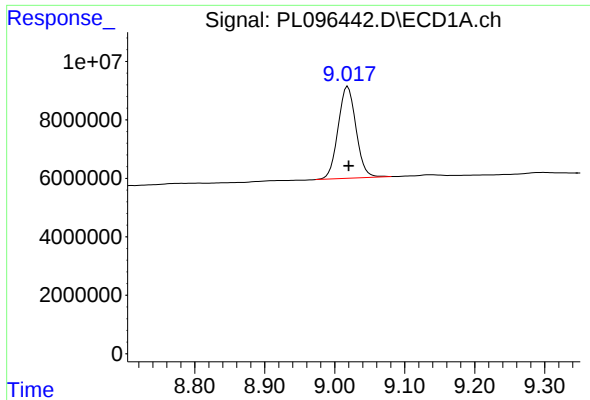
#21 Endrin ketone

R.T.: 7.598 min  
Delta R.T.: -0.001 min  
Response: 6615920  
Conc: 2.00 ng/ml



#21 Endrin ketone

R.T.: 6.906 min  
Delta R.T.: -0.003 min  
Response: 11410119  
Conc: 1.82 ng/ml



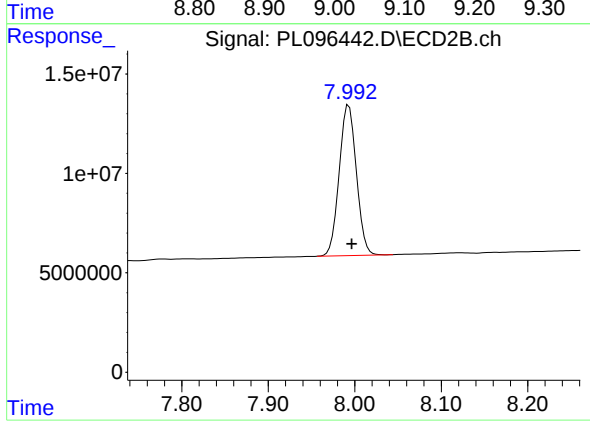
#28 Decachlorobiphenyl

R.T.: 9.019 min  
Delta R.T.: -0.001 min  
Response: 55938758  
Conc: 19.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

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#28 Decachlorobiphenyl

R.T.: 7.993 min  
Delta R.T.: -0.003 min  
Response: 104195801  
Conc: 20.90 ng/ml