

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102025\  
 Data File : PD090712.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Oct 2025 18:55  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 10/21/2025  
 Supervised By :mohammad ahmed 10/24/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 20 23:54:47 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101725.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 17 17:43:28 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.544 | 2.874 | 72535291 | 670.0E6  | 23.292  | 22.501  |
| 28)                         | SA Decachlor... | 9.066 | 8.062 | 103.0E6  | 636.4E6  | 22.014  | 21.010  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.993 | 3.386 | 71041933 | 562.5E6  | 9.898   | 11.009  |
| 3)                          | MA gamma-BHC... | 4.324 | 3.722 | 69247078 | 524.1E6  | 10.185  | 11.093  |
| 6)                          | B beta-BHC      | 4.512 | 4.019 | 28970059 | 214.3E6  | 11.059  | 10.808  |
| 14)                         | MA Endrin       | 6.569 | 5.780 | 271.3E6  | 2097.8E6 | 54.763  | 51.804  |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.924 | 3309235  | 46924055 | 0.816m  | 1.288 # |
| 17)                         | MA 4,4'-DDT     | 7.016 | 6.174 | 442.0E6  | 3584.1E6 | 107.537 | 102.188 |
| 18)                         | B Endrin al...  | 6.910 | 6.248 | 1169126  | 23934451 | 0.319m  | 0.864 # |
| 20)                         | A Methoxychlor  | 7.489 | 6.744 | 522.6E6  | 3697.7E6 | 245.849 | 212.171 |
| 21)                         | B Endrin ke...  | 7.626 | 6.982 | 3787230  | 34648225 | 0.779   | 0.919   |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 20 Oct 2025 18:55  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

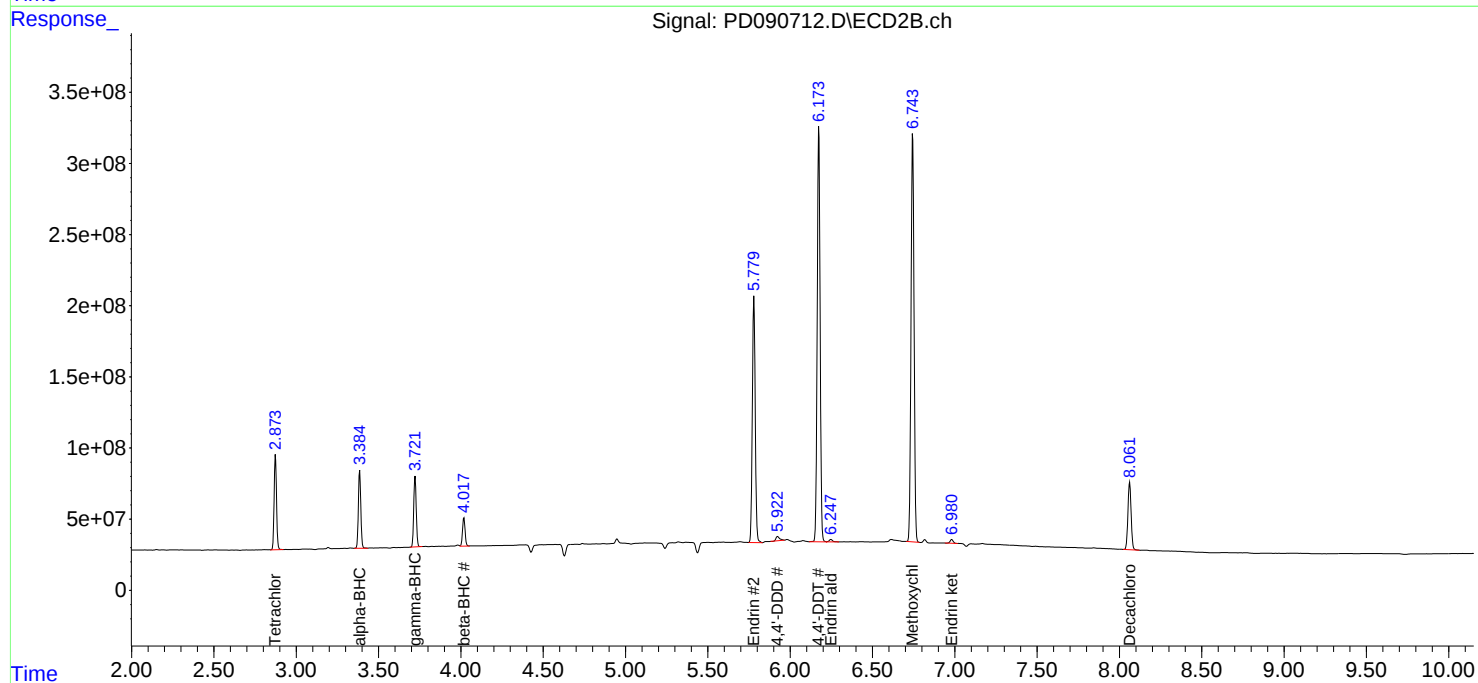
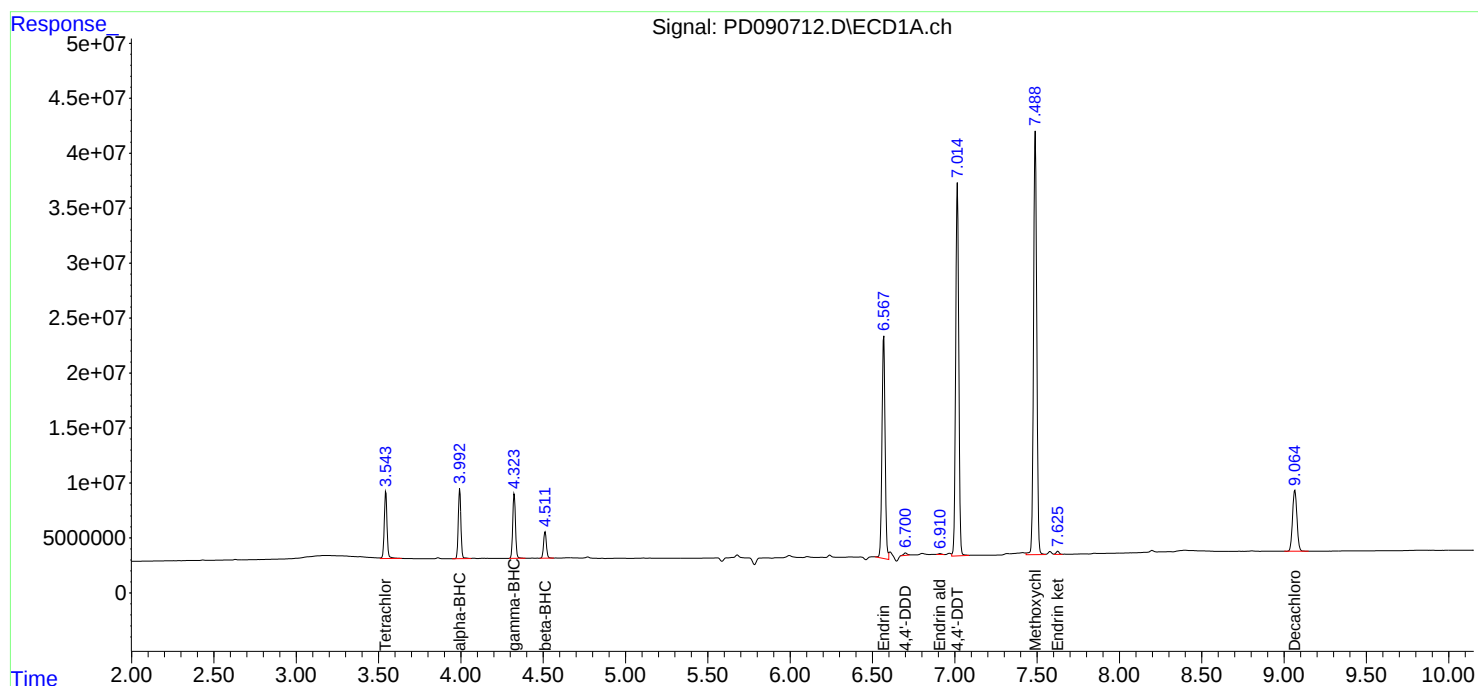
Instrument :  
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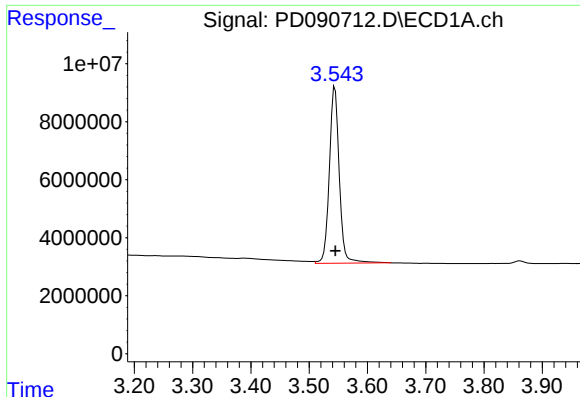
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Integration File signal 1: autoint1.e  
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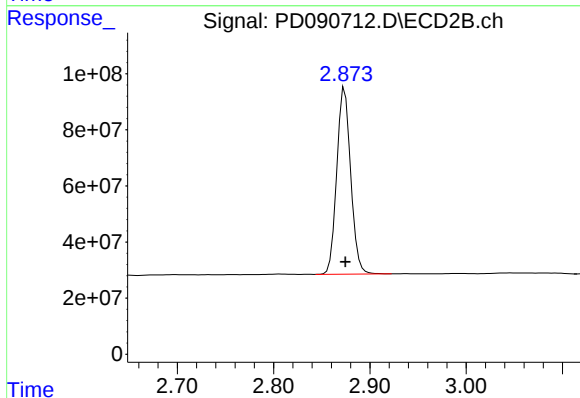
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 72535291  
Conc: 23.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

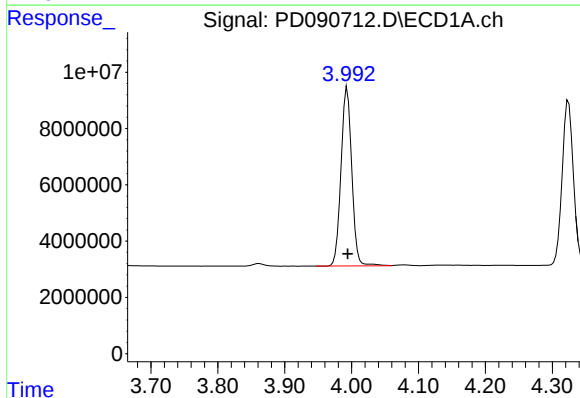
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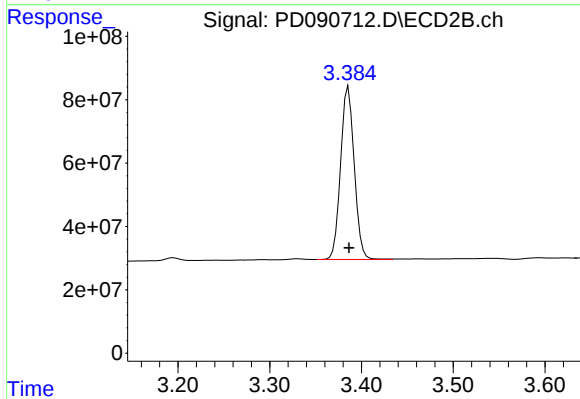
#1 Tetrachloro-m-xylene

R.T.: 2.874 min  
Delta R.T.: 0.000 min  
Response: 670025564  
Conc: 22.50 ng/ml



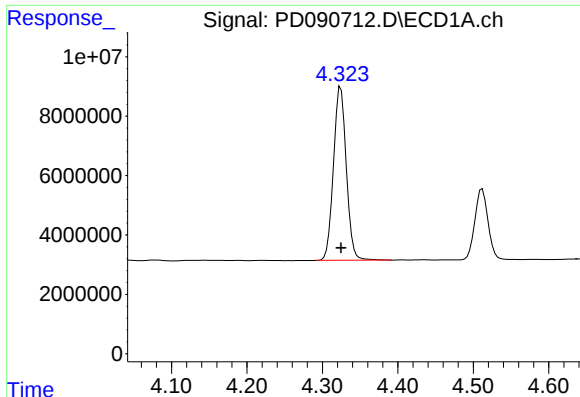
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 71041933  
Conc: 9.90 ng/ml



#2 alpha-BHC

R.T.: 3.386 min  
Delta R.T.: 0.000 min  
Response: 562538248  
Conc: 11.01 ng/ml



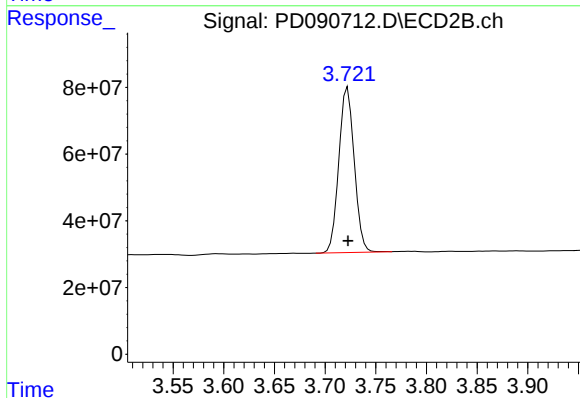
#3 gamma-BHC (Lindane)

R.T.: 4.324 min  
Delta R.T.: 0.000 min  
Response: 69247078  
Conc: 10.19 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

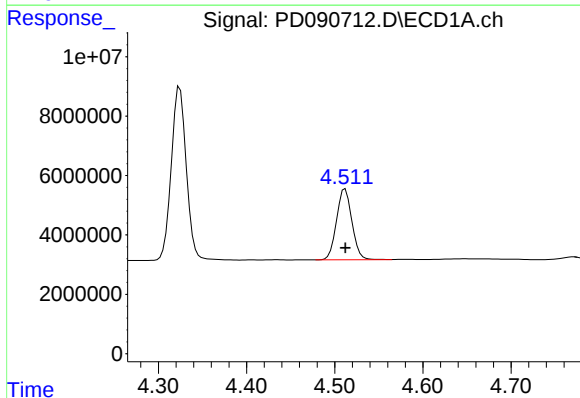
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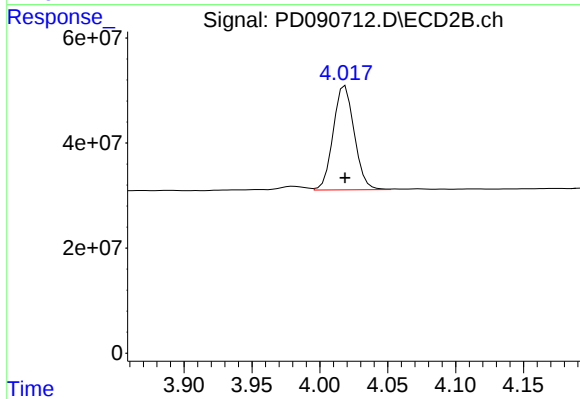
#3 gamma-BHC (Lindane)

R.T.: 3.722 min  
Delta R.T.: 0.000 min  
Response: 524146970  
Conc: 11.09 ng/ml



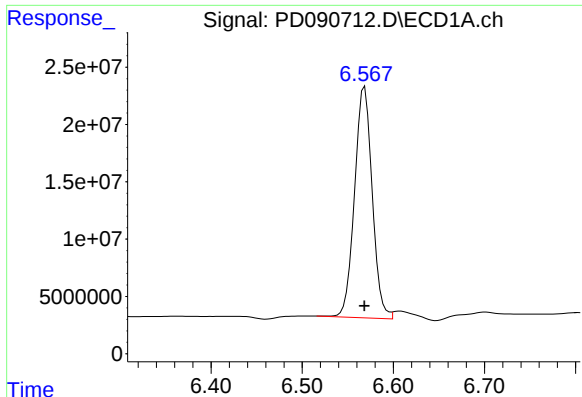
#6 beta-BHC

R.T.: 4.512 min  
Delta R.T.: 0.000 min  
Response: 28970059  
Conc: 11.06 ng/ml



#6 beta-BHC

R.T.: 4.019 min  
Delta R.T.: 0.000 min  
Response: 214327054  
Conc: 10.81 ng/ml



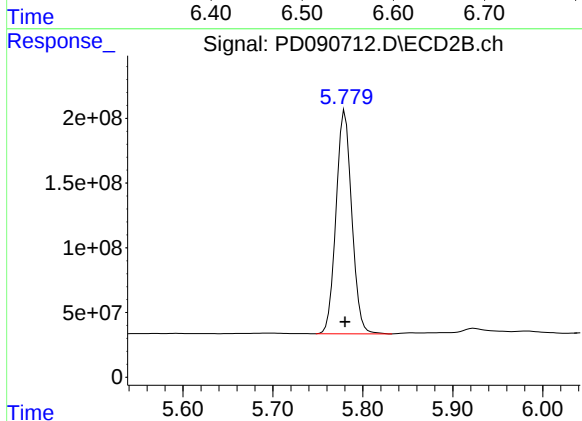
#14 Endrin

R.T.: 6.569 min  
Delta R.T.: 0.000 min  
Response: 271280666  
Conc: 54.76 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

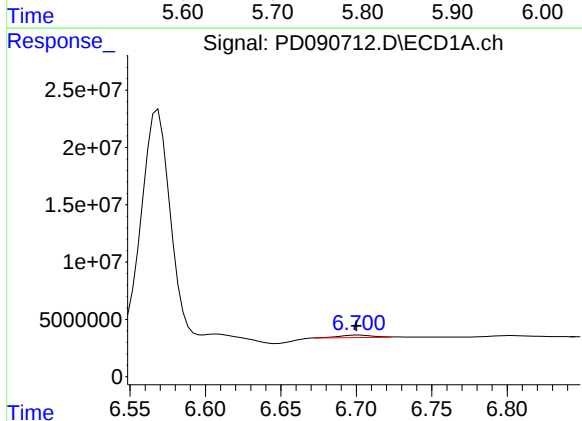
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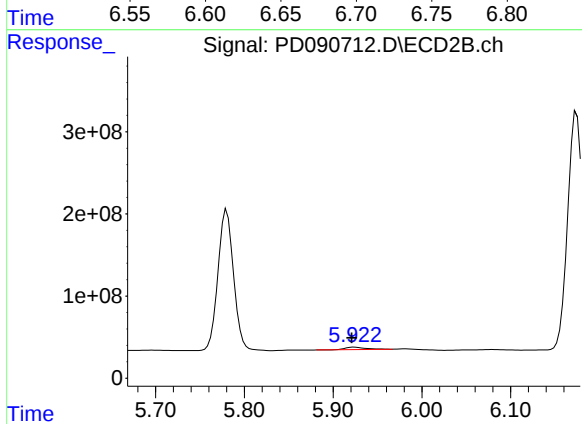
#14 Endrin

R.T.: 5.780 min  
Delta R.T.: 0.000 min  
Response: 2097752360  
Conc: 51.80 ng/ml



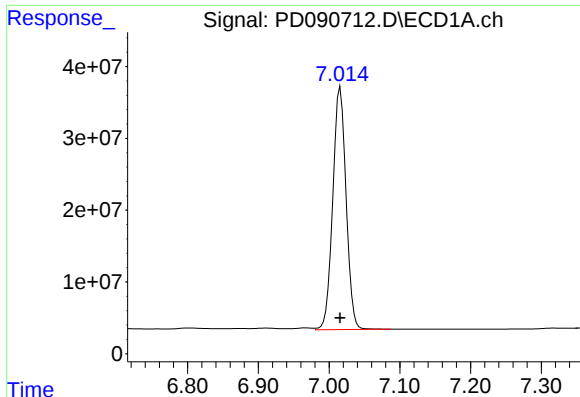
#16 4,4'-DDD

R.T.: 6.700 min  
Delta R.T.: 0.000 min  
Response: 3309235  
Conc: 0.82 ng/ml m



#16 4,4'-DDD

R.T.: 5.924 min  
Delta R.T.: 0.003 min  
Response: 46924055  
Conc: 1.29 ng/ml



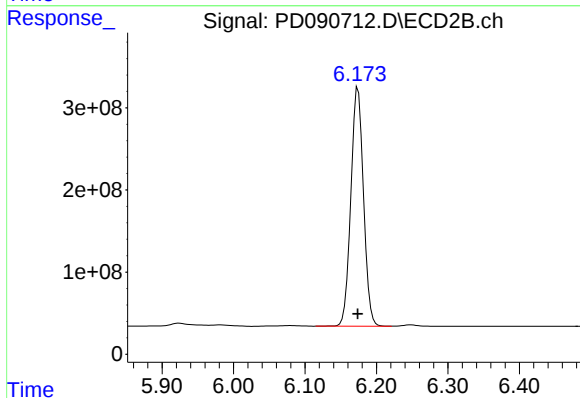
#17 4,4'-DDT

R.T.: 7.016 min  
Delta R.T.: 0.000 min  
Response: 442026899  
Conc: 107.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

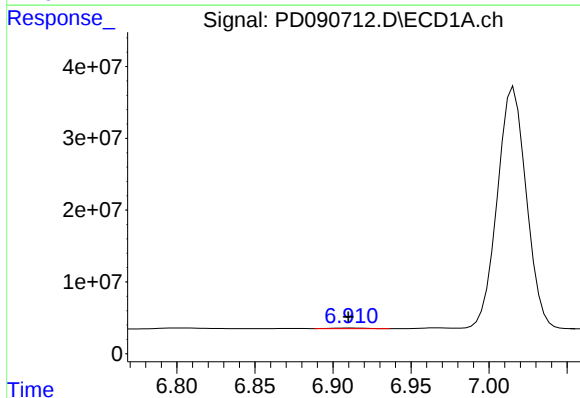
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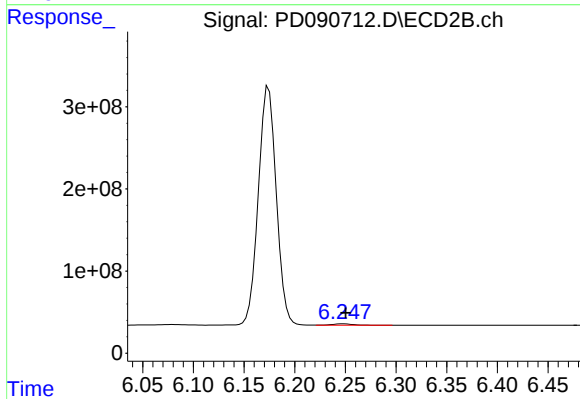
#17 4,4'-DDT

R.T.: 6.174 min  
Delta R.T.: 0.000 min  
Response: 3584064801  
Conc: 102.19 ng/ml



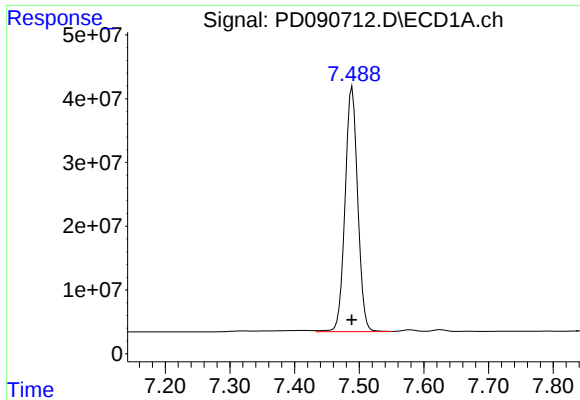
#18 Endrin aldehyde

R.T.: 6.910 min  
Delta R.T.: 0.000 min  
Response: 1169126  
Conc: 0.32 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min  
Delta R.T.: -0.002 min  
Response: 23934451  
Conc: 0.86 ng/ml



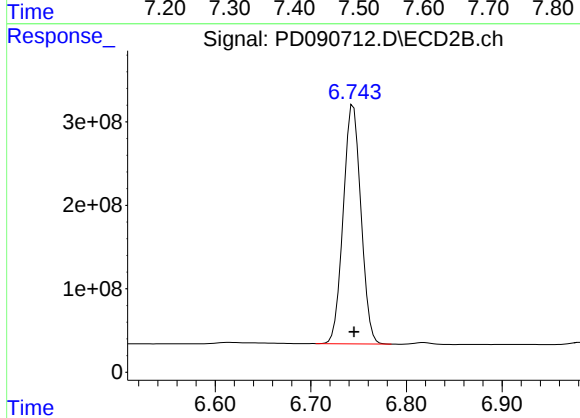
#20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: 0.000 min  
Response: 522573831  
Conc: 245.85 ng/ml

Instrument :  
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ClientSampleId :  
PEM

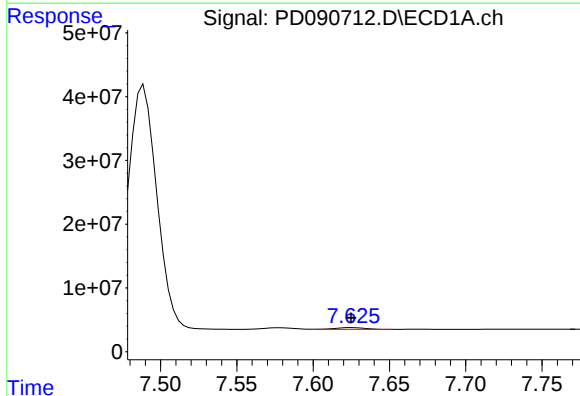
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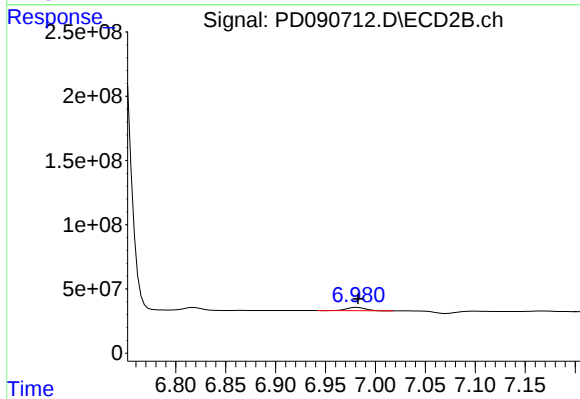
#20 Methoxychlor

R.T.: 6.744 min  
Delta R.T.: 0.000 min  
Response: 3697684165  
Conc: 212.17 ng/ml



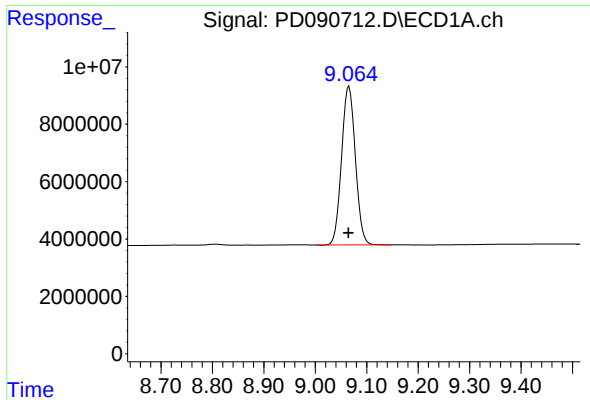
#21 Endrin ketone

R.T.: 7.626 min  
Delta R.T.: 0.001 min  
Response: 3787230  
Conc: 0.78 ng/ml



#21 Endrin ketone

R.T.: 6.982 min  
Delta R.T.: -0.001 min  
Response: 34648225  
Conc: 0.92 ng/ml



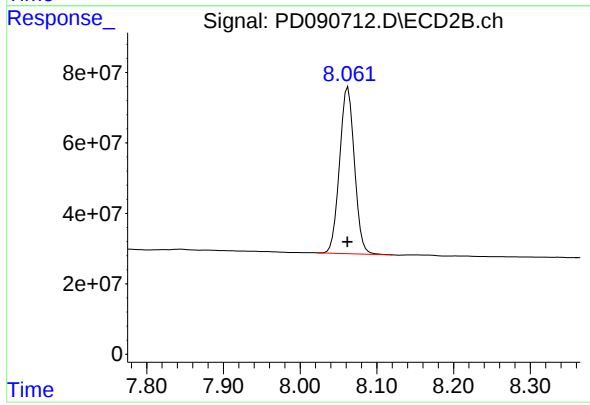
#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: 0.001 min  
Response: 102979808  
Conc: 22.01 ng/ml

Instrument :  
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PEM

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#28 Decachlorobiphenyl

R.T.: 8.062 min  
Delta R.T.: 0.000 min  
Response: 636426198  
Conc: 21.01 ng/ml