

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD082123\  
 Data File : PD077247.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Aug 2023 09:08  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 08/22/2023  
 Supervised By : Ankita Jodhani 08/22/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 21 22:16:41 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD080323.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Aug 03 14:17:41 2023  
 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 | 2.762 | 46644365 | 26951449 | 19.710   | 19.786   |
| 28)                         | SA Decachlor... | 9.083 | 7.902 | 56743278 | 27201495 | 20.708   | 19.008   |
| Target Compounds            |                 |       |       |          |          |          |          |
| 2)                          | A alpha-BHC     | 4.000 | 3.263 | 36504462 | 18643348 | 9.507    | 9.638    |
| 3)                          | MA gamma-BHC... | 4.333 | 3.593 | 34878033 | 17125083 | 9.476    | 9.205    |
| 6)                          | B beta-BHC      | 4.530 | 3.890 | 16590971 | 8464913  | 11.025   | 11.096   |
| 12)                         | B 4,4'-DDE      | 6.204 | 5.219 | 569424   | 529709   | 0.192    | 0.365 #  |
| 14)                         | MA Endrin       | 6.588 | 5.625 | 123.6E6  | 64373953 | 44.489   | 43.995   |
| 16)                         | A 4,4'-DDD      | 6.722 | 5.773 | 3178615  | 1596742  | 1.351    | 1.436    |
| 17)                         | MA 4,4'-DDT     | 7.035 | 6.023 | 250.3E6  | 120.9E6  | 102.920m | 108.806  |
| 18)                         | B Endrin al...  | 6.937 | 6.098 | 3408492  | 2750809  | 1.560    | 2.416 #  |
| 20)                         | A Methoxychlor  | 7.513 | 6.596 | 324.1E6  | 130.4E6  | 228.725  | 218.110m |
| 21)                         | B Endrin ke...  | 7.658 | 6.827 | 7506792  | 4689559  | 2.492    | 2.958    |
| -----                       |                 |       |       |          |          |          |          |

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

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Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

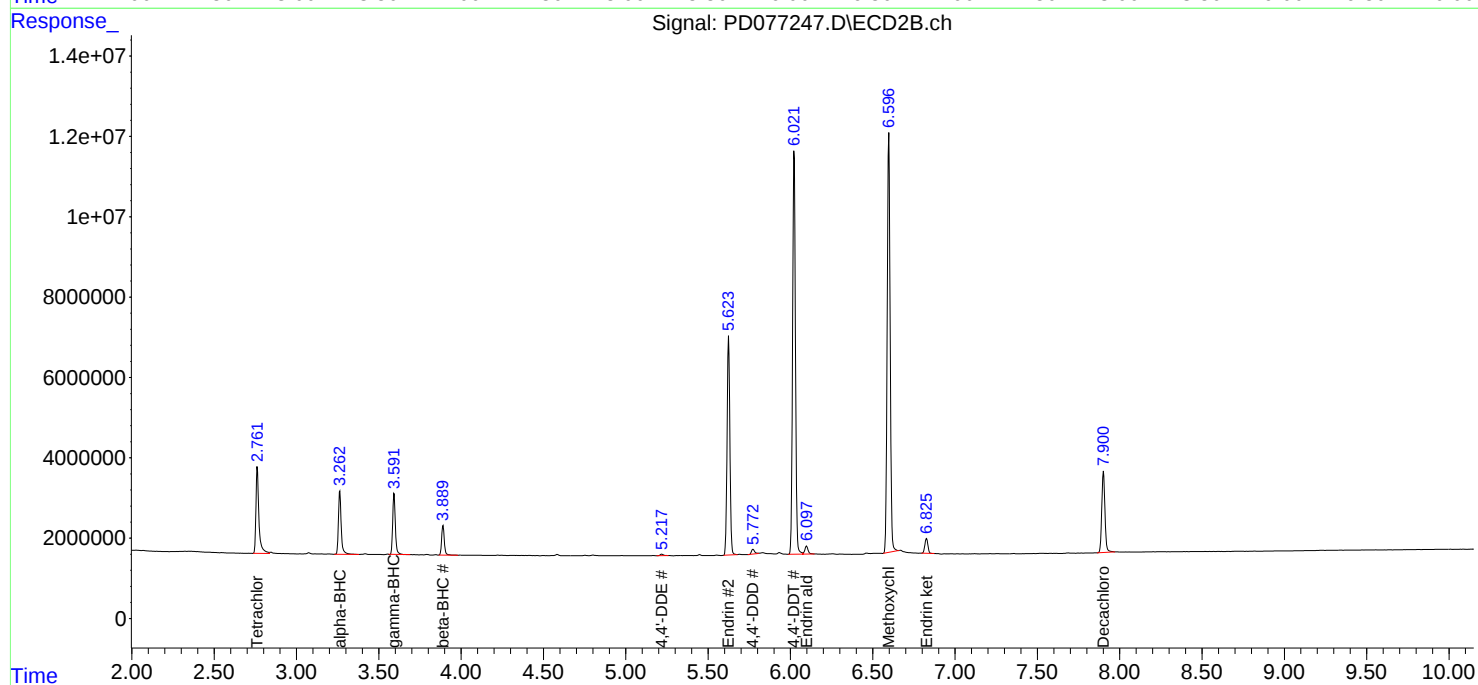
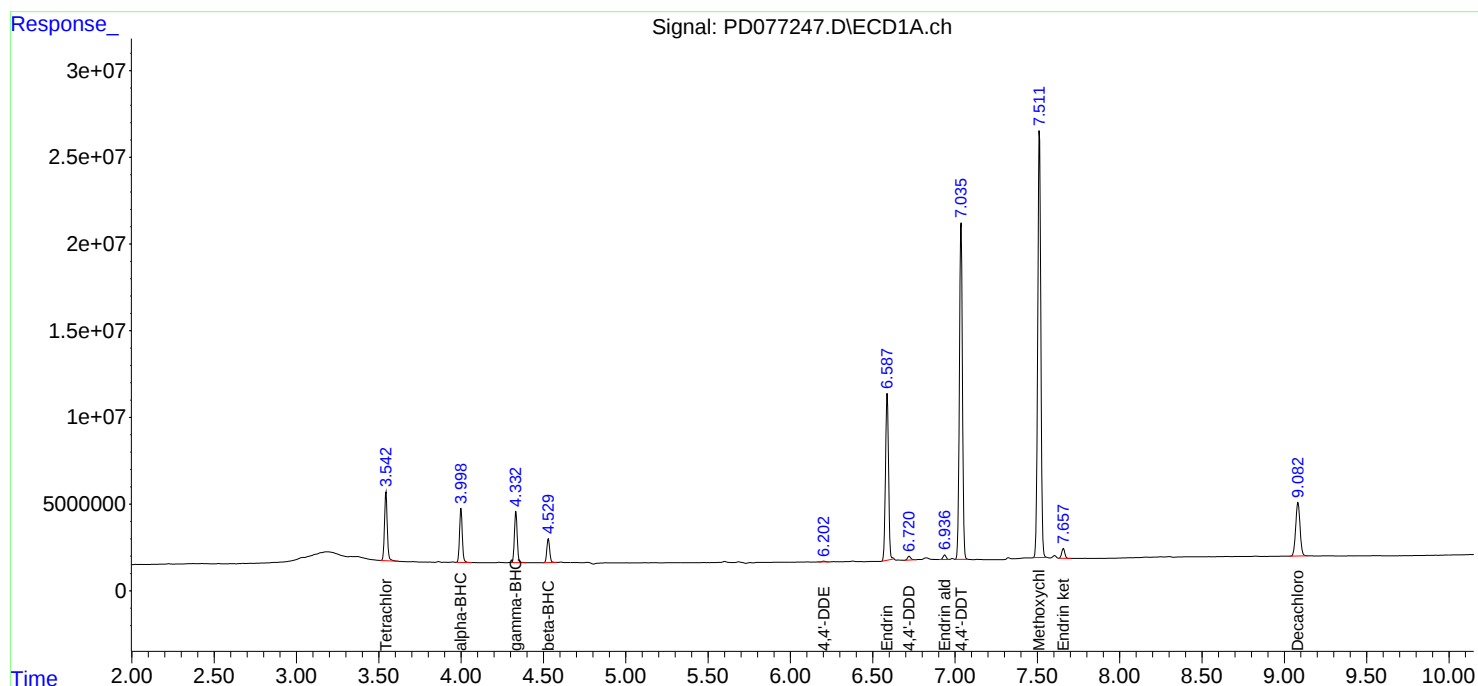
Instrument :  
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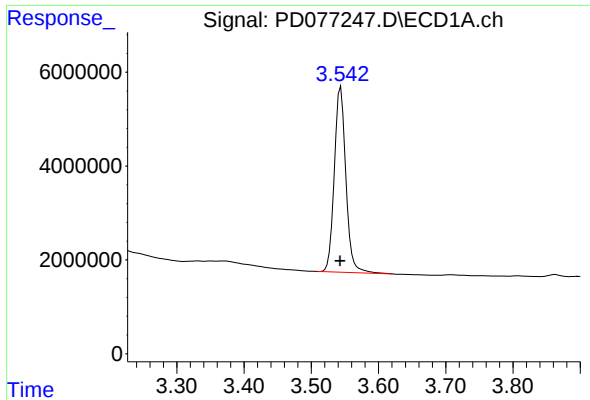
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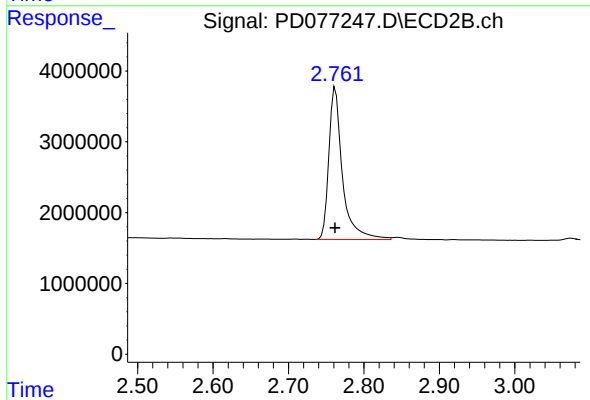
#1 Tetrachloro-m-xylene

R.T.: 3.544 min  
Delta R.T.: 0.000 min  
Response: 46644365  
Conc: 19.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

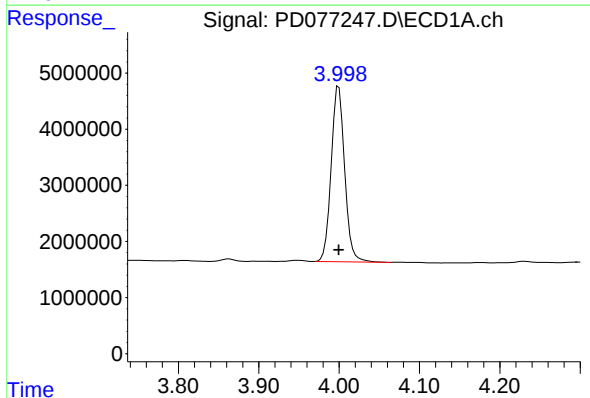
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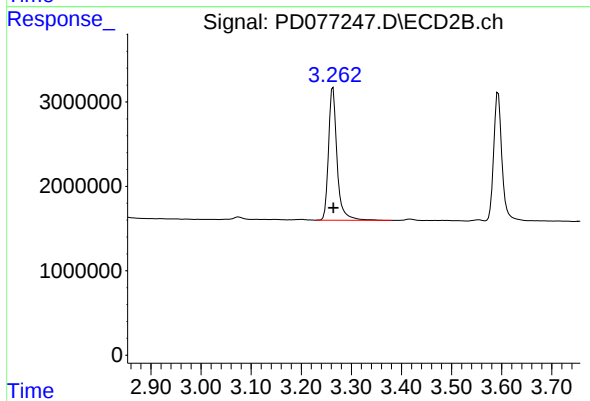
#1 Tetrachloro-m-xylene

R.T.: 2.762 min  
Delta R.T.: 0.000 min  
Response: 26951449  
Conc: 19.79 ng/ml



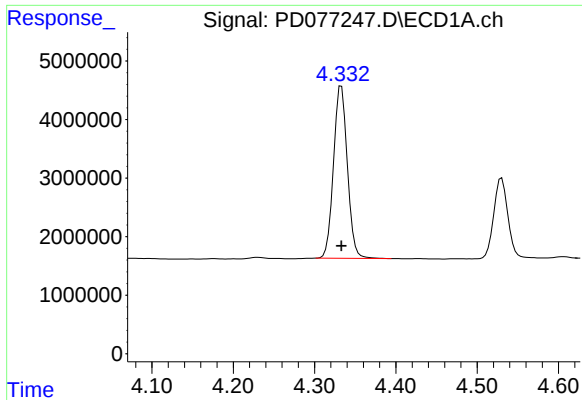
#2 alpha-BHC

R.T.: 4.000 min  
Delta R.T.: 0.000 min  
Response: 36504462  
Conc: 9.51 ng/ml



#2 alpha-BHC

R.T.: 3.263 min  
Delta R.T.: 0.000 min  
Response: 18643348  
Conc: 9.64 ng/ml



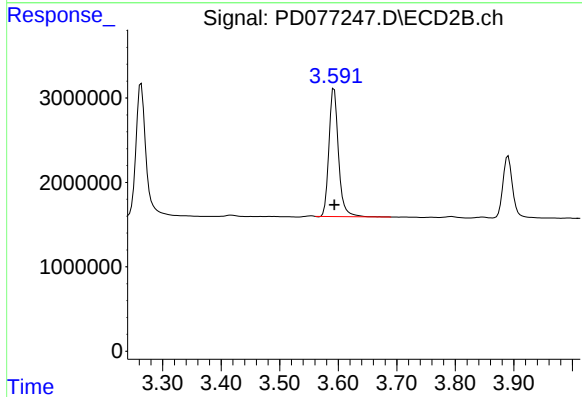
#3 gamma-BHC (Lindane)

R.T.: 4.333 min  
Delta R.T.: 0.000 min  
Response: 34878033  
Conc: 9.48 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

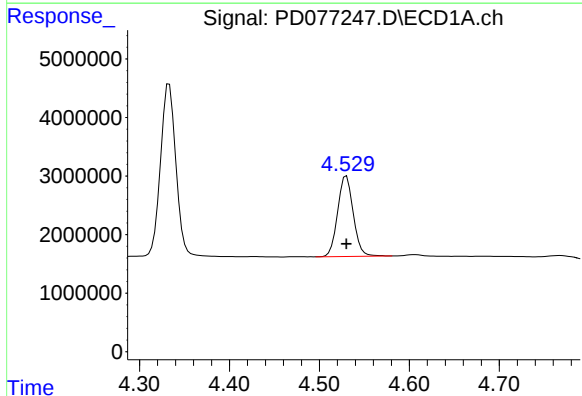
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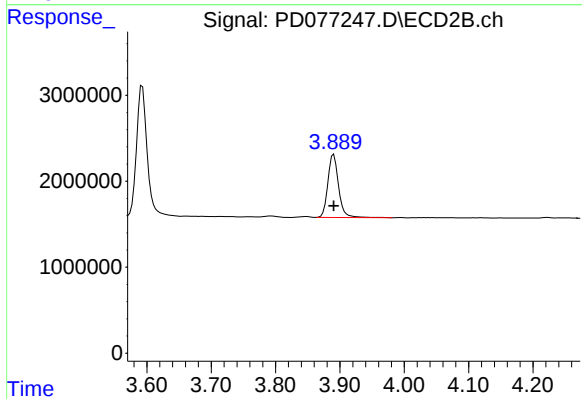
#3 gamma-BHC (Lindane)

R.T.: 3.593 min  
Delta R.T.: 0.000 min  
Response: 17125083  
Conc: 9.21 ng/ml



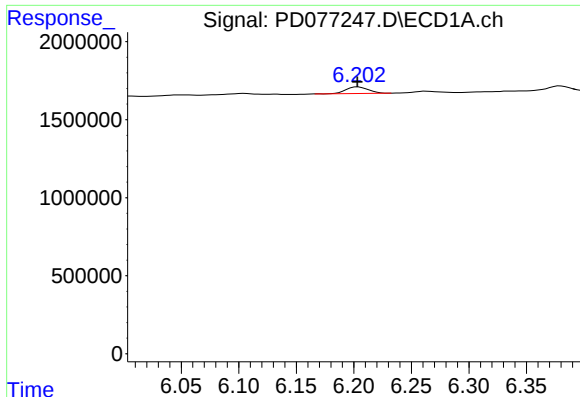
#6 beta-BHC

R.T.: 4.530 min  
Delta R.T.: 0.000 min  
Response: 16590971  
Conc: 11.03 ng/ml



#6 beta-BHC

R.T.: 3.890 min  
Delta R.T.: 0.000 min  
Response: 8464913  
Conc: 11.10 ng/ml



#12 4,4'-DDE

R.T.: 6.204 min  
Delta R.T.: 0.000 min  
Response: 569424  
Conc: 0.19 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

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#12 4,4'-DDE

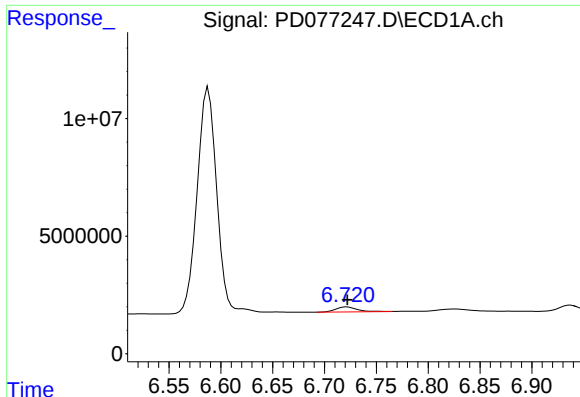
R.T.: 5.219 min  
Delta R.T.: 0.000 min  
Response: 529709  
Conc: 0.37 ng/ml

#14 Endrin

R.T.: 6.588 min  
Delta R.T.: 0.000 min  
Response: 123621670  
Conc: 44.49 ng/ml

#14 Endrin

R.T.: 5.625 min  
Delta R.T.: -0.001 min  
Response: 64373953  
Conc: 43.99 ng/ml



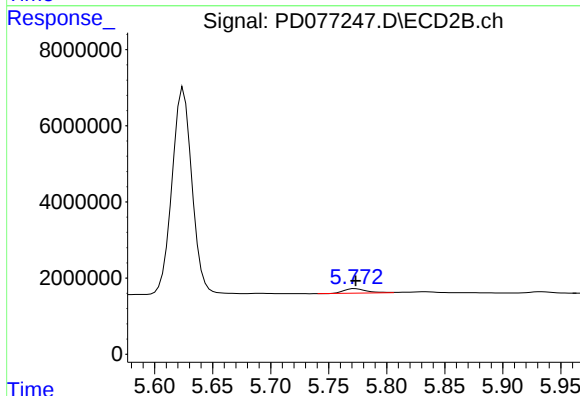
#16 4,4'-DDD

R.T.: 6.722 min  
Delta R.T.: 0.000 min  
Response: 3178615  
Conc: 1.35 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

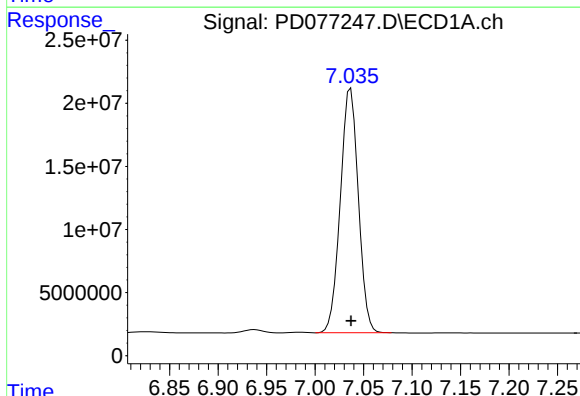
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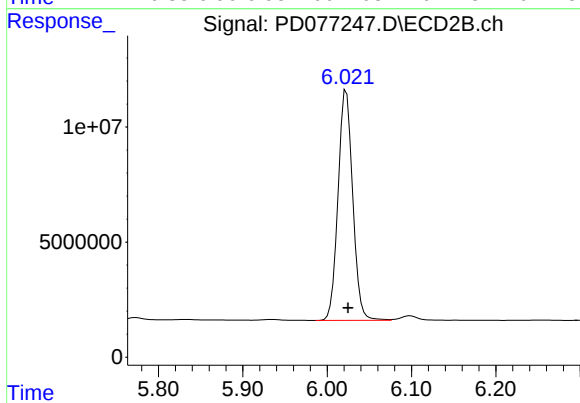
#16 4,4'-DDD

R.T.: 5.773 min  
Delta R.T.: 0.000 min  
Response: 1596742  
Conc: 1.44 ng/ml



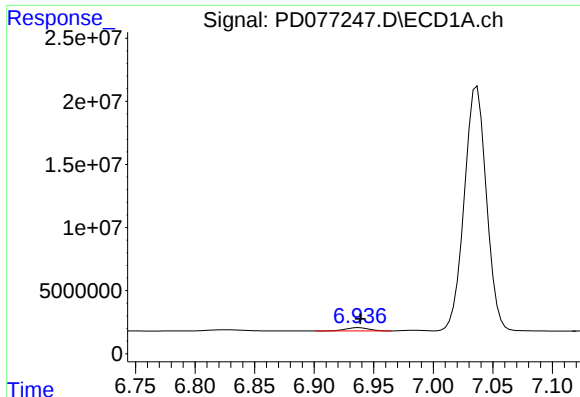
#17 4,4'-DDT

R.T.: 7.035 min  
Delta R.T.: -0.002 min  
Response: 250262874  
Conc: 102.92 ng/ml m



#17 4,4'-DDT

R.T.: 6.023 min  
Delta R.T.: -0.002 min  
Response: 120946837  
Conc: 108.81 ng/ml



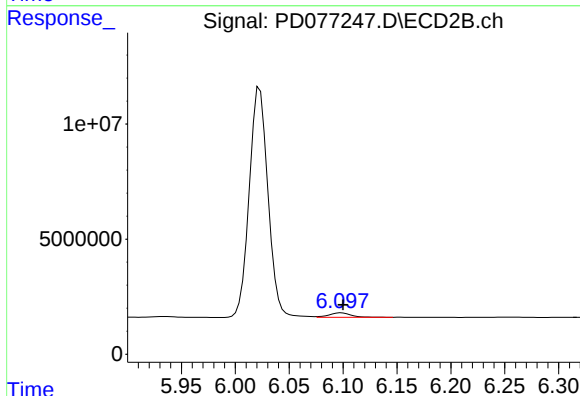
#18 Endrin aldehyde

R.T.: 6.937 min  
Delta R.T.: -0.001 min  
Response: 3408492  
Conc: 1.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

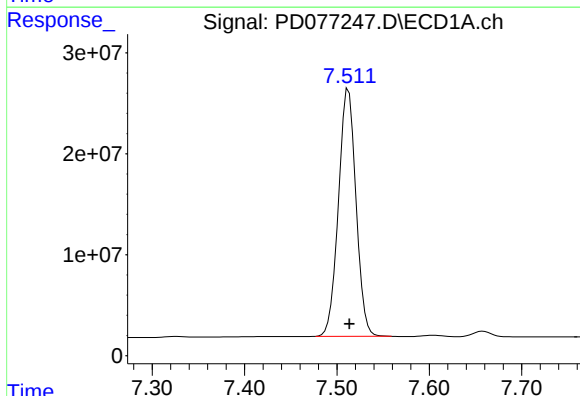
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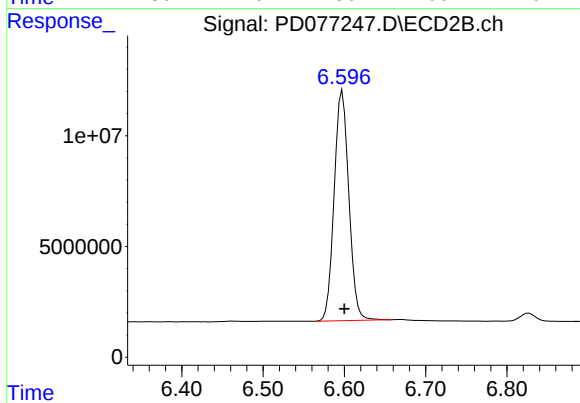
#18 Endrin aldehyde

R.T.: 6.098 min  
Delta R.T.: -0.002 min  
Response: 2750809  
Conc: 2.42 ng/ml



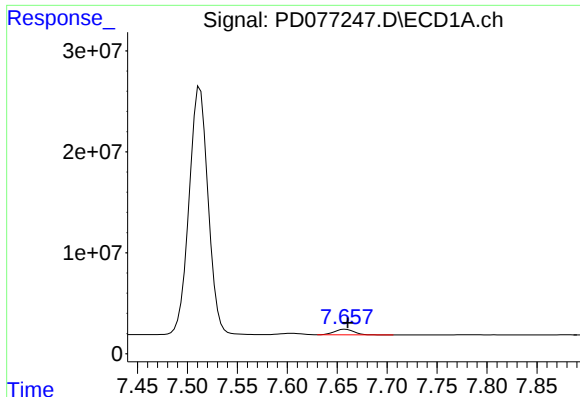
#20 Methoxychlor

R.T.: 7.513 min  
Delta R.T.: 0.000 min  
Response: 324073995  
Conc: 228.73 ng/ml



#20 Methoxychlor

R.T.: 6.596 min  
Delta R.T.: -0.004 min  
Response: 130416484  
Conc: 218.11 ng/ml m



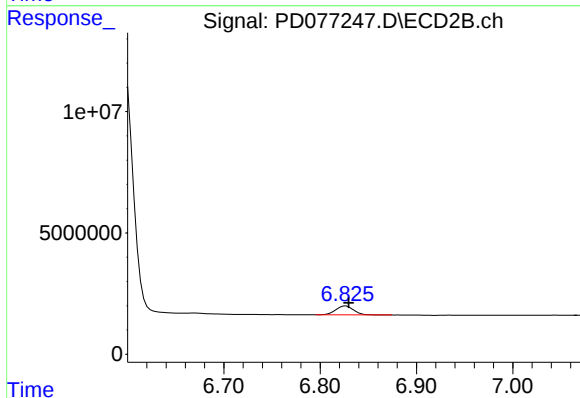
#21 Endrin ketone

R.T.: 7.658 min  
Delta R.T.: -0.002 min  
Response: 7506792  
Conc: 2.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

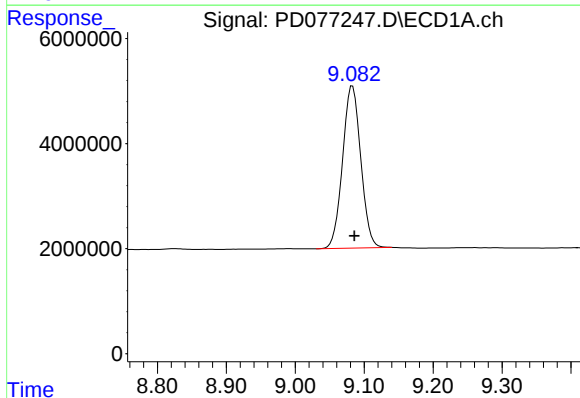
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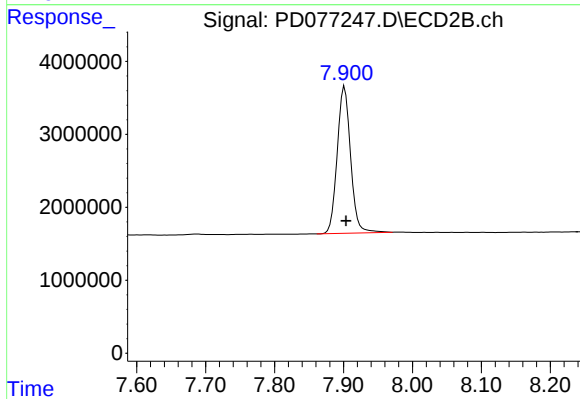
#21 Endrin ketone

R.T.: 6.827 min  
Delta R.T.: -0.003 min  
Response: 4689559  
Conc: 2.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.083 min  
Delta R.T.: -0.003 min  
Response: 56743278  
Conc: 20.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min  
Delta R.T.: -0.002 min  
Response: 27201495  
Conc: 19.01 ng/ml