

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080825\  
 Data File : PD089788.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 07 Aug 2025 09:55  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 08/08/2025  
 Supervised By :mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 07 23:14:01 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD073125.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Aug 01 07:03:58 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... | 3.547 | 2.877 | 52067655 | 399.4E6  | 21.109  | 25.215   |
| 28)                         | SA Decachlor... | 9.066 | 8.065 | 78072148 | 477.4E6  | 21.008  | 23.778   |
| Target Compounds            |                 |       |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.996 | 3.389 | 49803565 | 331.3E6  | 10.054  | 13.633 # |
| 3)                          | MA gamma-BHC... | 4.327 | 3.725 | 49118703 | 304.0E6  | 10.336  | 13.496 # |
| 6)                          | B beta-BHC      | 4.513 | 4.021 | 20756014 | 130.8E6  | 11.252  | 13.555   |
| 12)                         | B 4,4'-DDE      | 6.190 | 5.369 | 475066   | 3436768  | 0.127m  | 0.163m#  |
| 14)                         | MA Endrin       | 6.570 | 5.783 | 174.2E6  | 1145.9E6 | 48.684  | 57.509   |
| 16)                         | A 4,4'-DDD      | 6.700 | 5.924 | 10581315 | 82461865 | 3.533   | 4.677 #  |
| 17)                         | MA 4,4'-DDT     | 7.017 | 6.177 | 319.3E6  | 2123.3E6 | 95.028  | 115.569  |
| 18)                         | B Endrin al...  | 6.911 | 6.251 | 2461630  | 24813873 | 0.986   | 1.921 #  |
| 20)                         | A Methoxychlor  | 7.489 | 6.747 | 393.1E6  | 2257.4E6 | 219.841 | 230.451  |
| 21)                         | B Endrin ke...  | 7.625 | 6.984 | 7797473  | 68918489 | 2.099   | 3.434 #  |
| -----                       |                 |       |       |          |          |         |          |

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

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Acq On : 07 Aug 2025 09:55  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

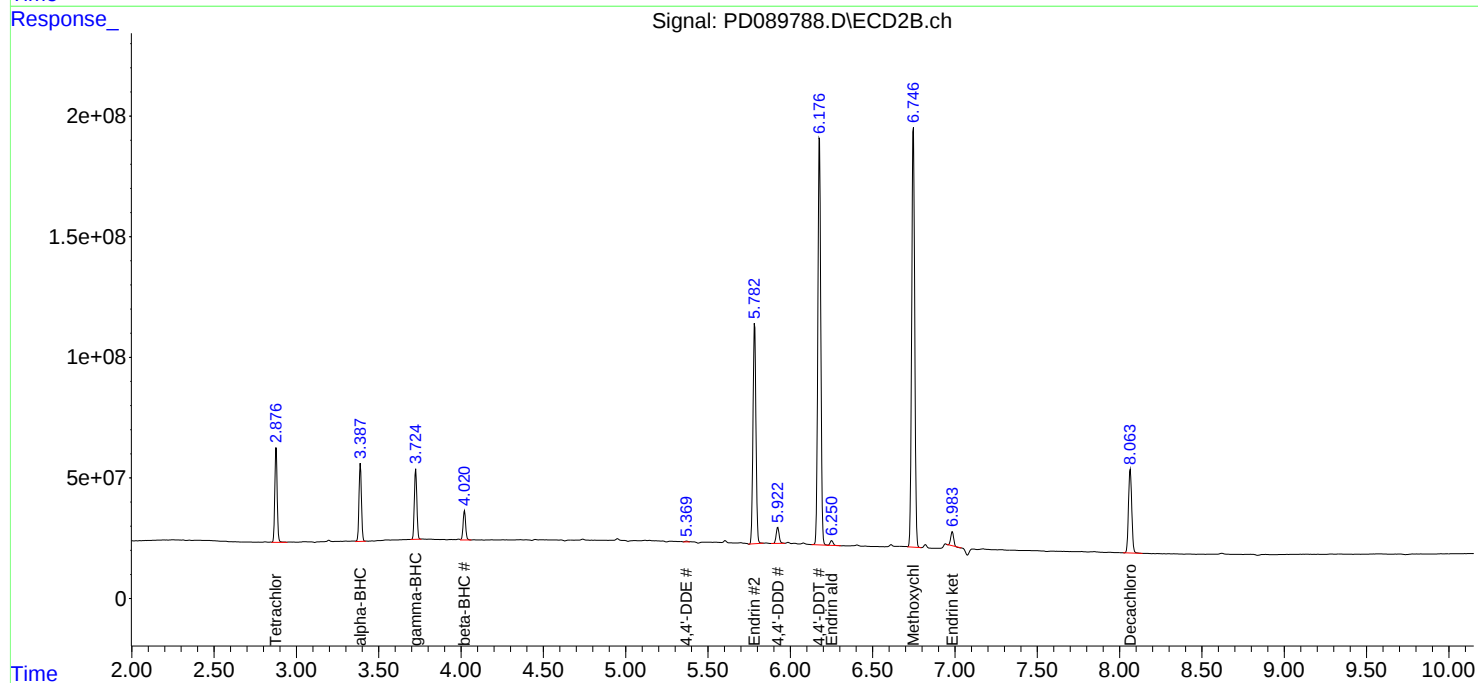
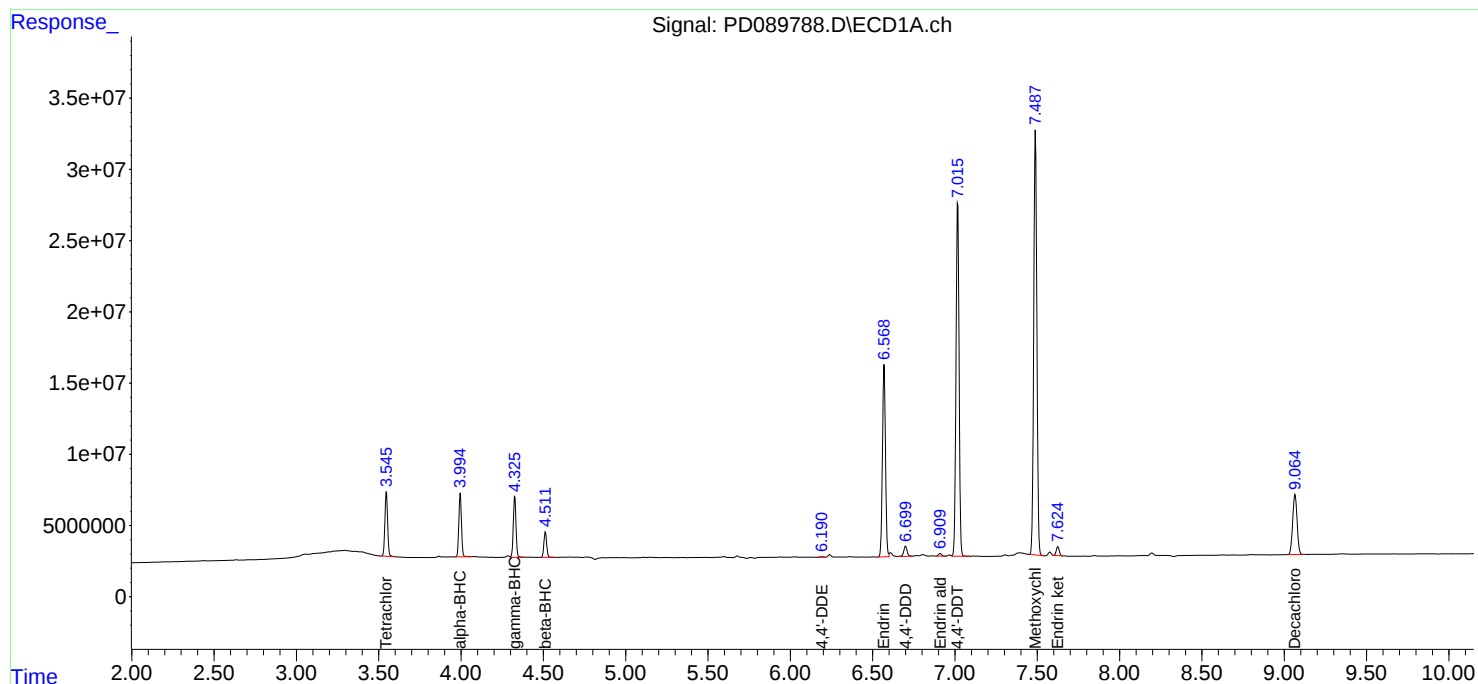
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

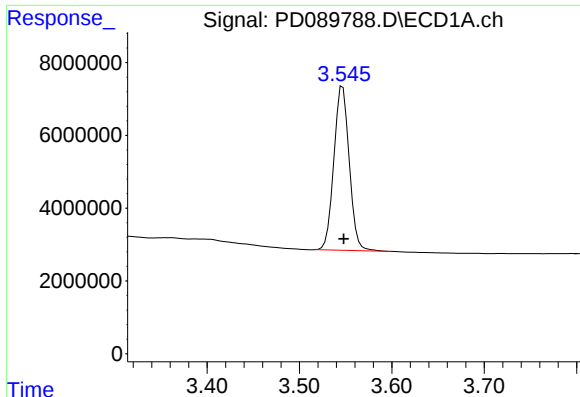
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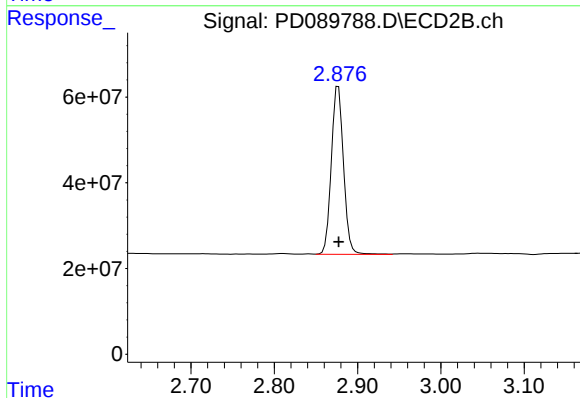
#1 Tetrachloro-m-xylene

R.T.: 3.547 min  
Delta R.T.: -0.001 min  
Response: 52067655  
Conc: 21.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

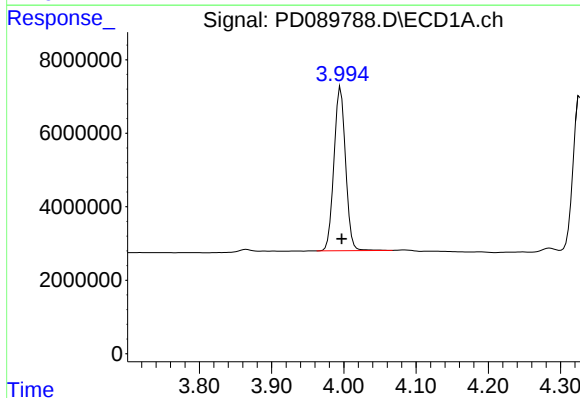
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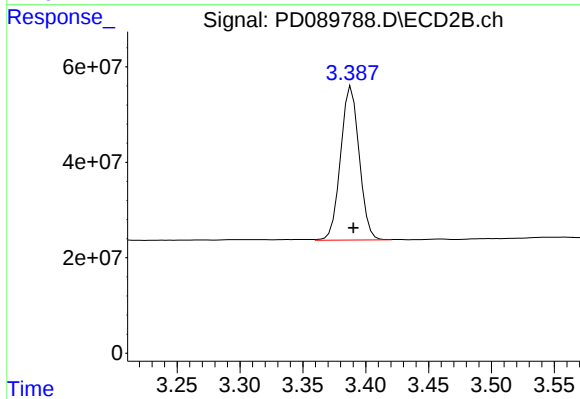
#1 Tetrachloro-m-xylene

R.T.: 2.877 min  
Delta R.T.: 0.000 min  
Response: 399355668  
Conc: 25.22 ng/ml



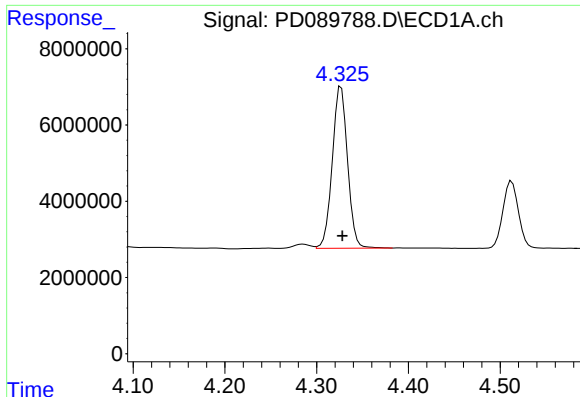
#2 alpha-BHC

R.T.: 3.996 min  
Delta R.T.: -0.001 min  
Response: 49803565  
Conc: 10.05 ng/ml



#2 alpha-BHC

R.T.: 3.389 min  
Delta R.T.: -0.001 min  
Response: 331338651  
Conc: 13.63 ng/ml



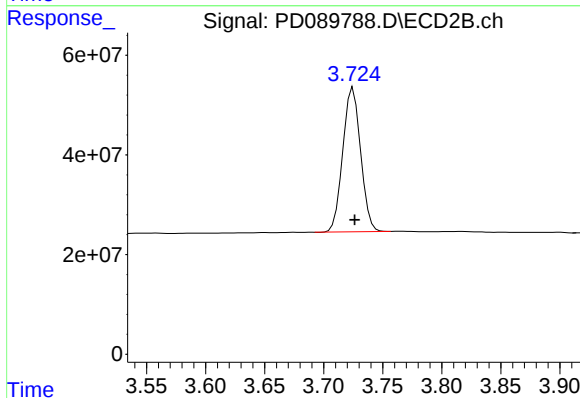
#3 gamma-BHC (Lindane)

R.T.: 4.327 min  
Delta R.T.: -0.002 min  
Response: 49118703  
Conc: 10.34 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

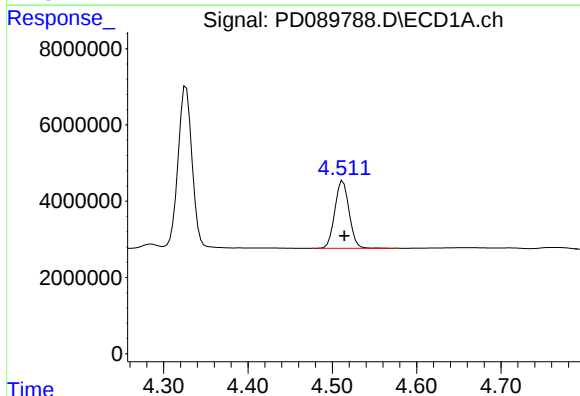
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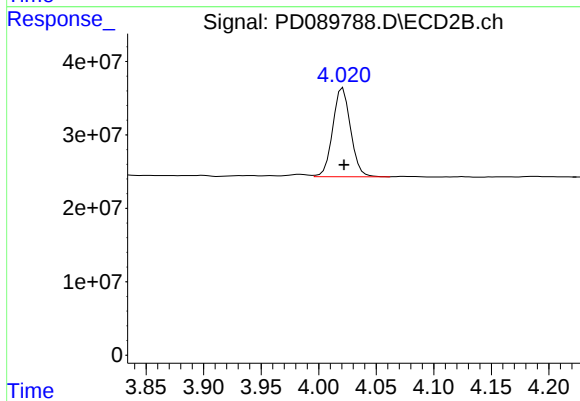
#3 gamma-BHC (Lindane)

R.T.: 3.725 min  
Delta R.T.: -0.001 min  
Response: 303977008  
Conc: 13.50 ng/ml



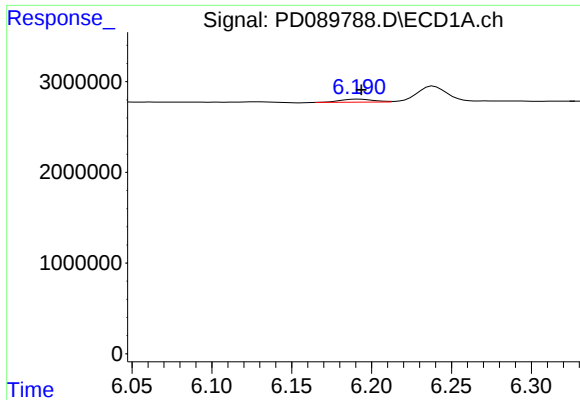
#6 beta-BHC

R.T.: 4.513 min  
Delta R.T.: -0.002 min  
Response: 20756014  
Conc: 11.25 ng/ml



#6 beta-BHC

R.T.: 4.021 min  
Delta R.T.: -0.001 min  
Response: 130790223  
Conc: 13.55 ng/ml



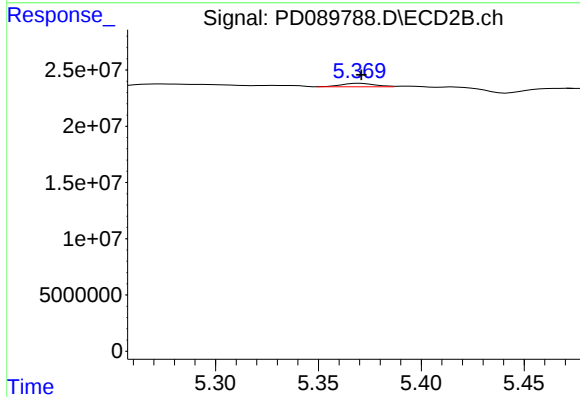
#12 4,4'-DDE

R.T.: 6.190 min  
Delta R.T.: -0.003 min  
Response: 475066  
Conc: 0.13 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

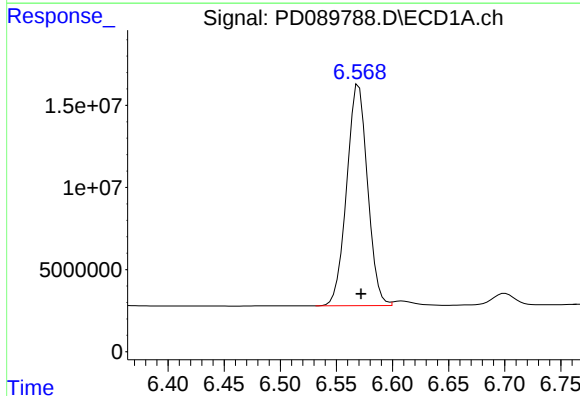
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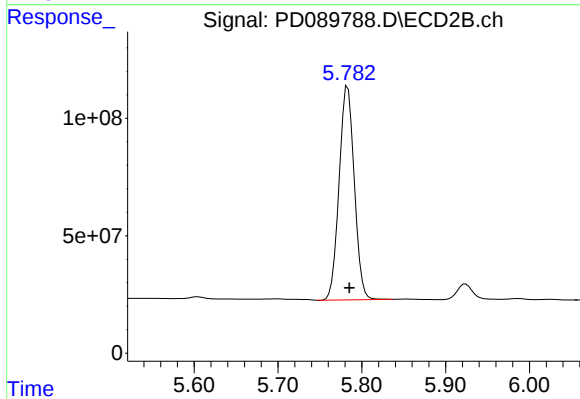
#12 4,4'-DDE

R.T.: 5.369 min  
Delta R.T.: -0.002 min  
Response: 3436768  
Conc: 0.16 ng/ml m



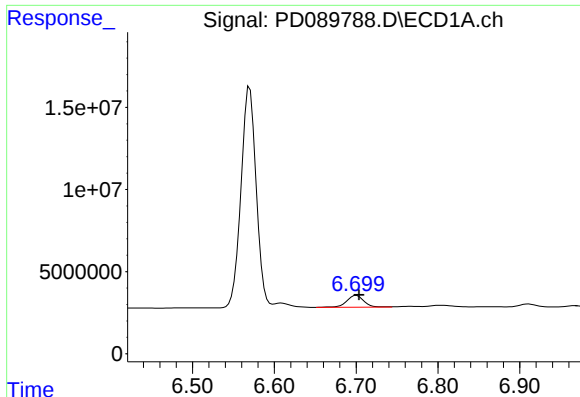
#14 Endrin

R.T.: 6.570 min  
Delta R.T.: -0.002 min  
Response: 174178651  
Conc: 48.68 ng/ml



#14 Endrin

R.T.: 5.783 min  
Delta R.T.: -0.002 min  
Response: 1145879452  
Conc: 57.51 ng/ml



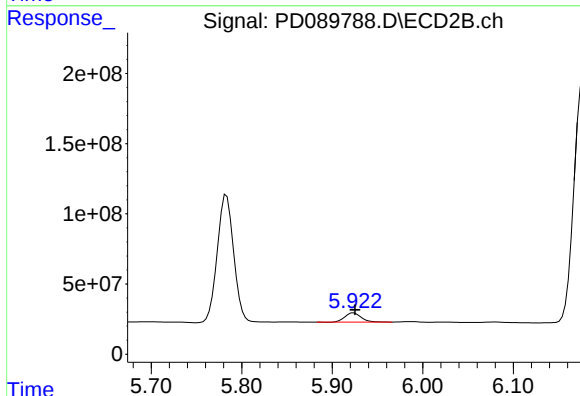
#16 4,4'-DDD

R.T.: 6.700 min  
Delta R.T.: -0.003 min  
Response: 10581315  
Conc: 3.53 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

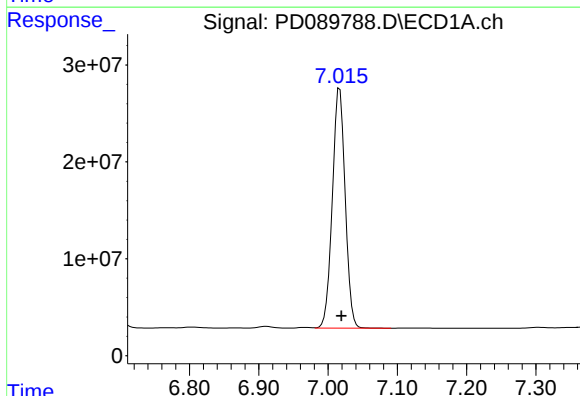
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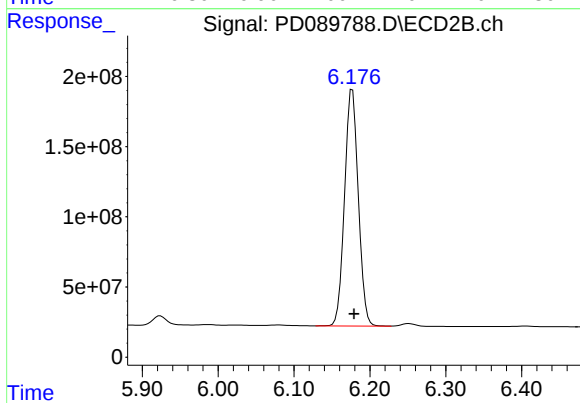
#16 4,4'-DDD

R.T.: 5.924 min  
Delta R.T.: -0.002 min  
Response: 82461865  
Conc: 4.68 ng/ml



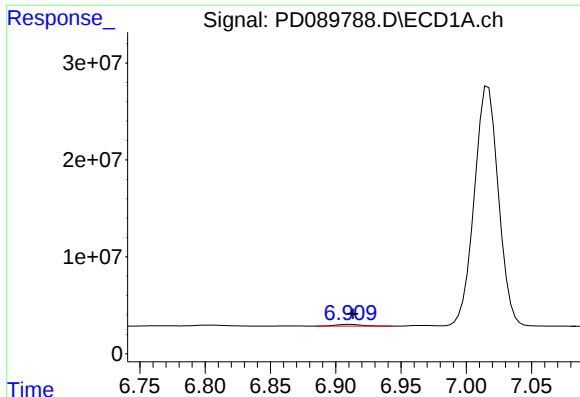
#17 4,4'-DDT

R.T.: 7.017 min  
Delta R.T.: -0.003 min  
Response: 319317751  
Conc: 95.03 ng/ml



#17 4,4'-DDT

R.T.: 6.177 min  
Delta R.T.: -0.002 min  
Response: 2123310358  
Conc: 115.57 ng/ml



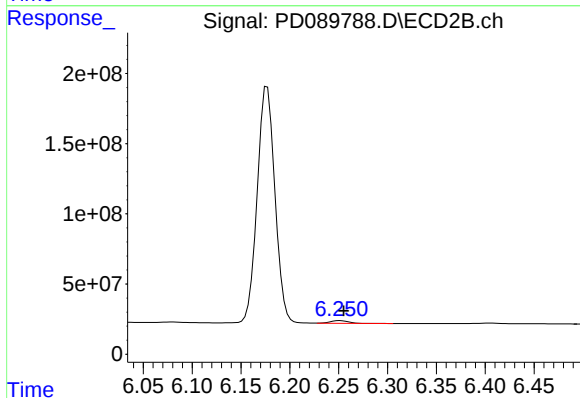
#18 Endrin aldehyde

R.T.: 6.911 min  
Delta R.T.: -0.002 min  
Response: 2461630  
Conc: 0.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

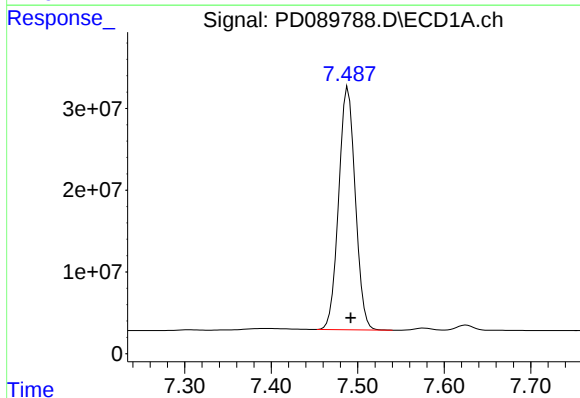
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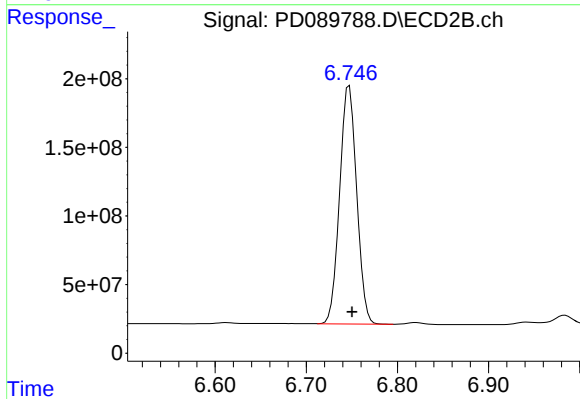
#18 Endrin aldehyde

R.T.: 6.251 min  
Delta R.T.: -0.004 min  
Response: 24813873  
Conc: 1.92 ng/ml



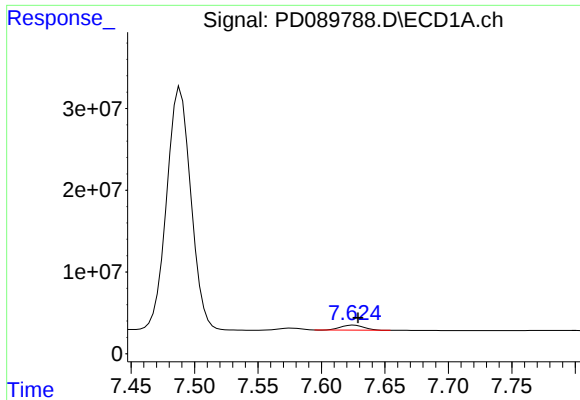
#20 Methoxychlor

R.T.: 7.489 min  
Delta R.T.: -0.003 min  
Response: 393069673  
Conc: 219.84 ng/ml



#20 Methoxychlor

R.T.: 6.747 min  
Delta R.T.: -0.003 min  
Response: 2257378545  
Conc: 230.45 ng/ml



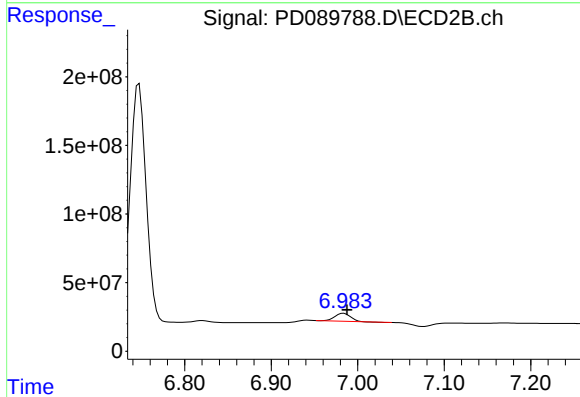
#21 Endrin ketone

R.T.: 7.625 min  
Delta R.T.: -0.003 min  
Response: 7797473  
Conc: 2.10 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

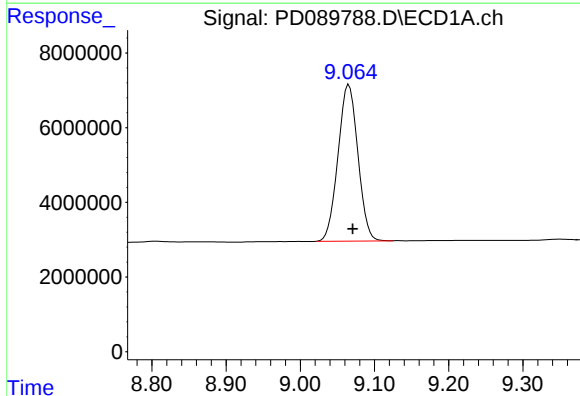
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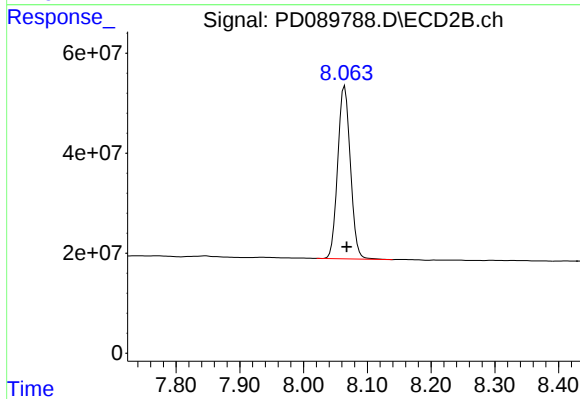
#21 Endrin ketone

R.T.: 6.984 min  
Delta R.T.: -0.004 min  
Response: 68918489  
Conc: 3.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min  
Delta R.T.: -0.005 min  
Response: 78072148  
Conc: 21.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min  
Delta R.T.: -0.003 min  
Response: 477413285  
Conc: 23.78 ng/ml