

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062325\
 Data File : PD089071.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jun 2025 10:15
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/24/2025
 Supervised By :mohammad ahmed 06/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 24 01:49:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.550	2.881	54504841	331.7E6	19.104	19.565
28) SA Decachlor...	9.072	8.071	78178804	393.1E6	19.905	19.884
Target Compounds						
2) A alpha-BHC	3.999	3.393	51526848	270.5E6	8.840	10.095
3) MA gamma-BHC...	4.330	3.729	51552458	250.0E6	9.236	10.098
6) B beta-BHC	4.515	4.025	21559276	110.3E6	9.768	10.264
14) MA Endrin	6.574	5.788	189.3E6	936.2E6	45.877	43.115
16) A 4,4'-DDD	6.703	5.930	2362486	14201387	0.688	0.742
17) MA 4,4'-DDT	7.020	6.182	350.2E6	1766.7E6	92.432	87.117
18) B Endrin al...	6.916	6.256	1219548	11706856	0.398	0.765 #
20) A Methoxychlor	7.492	6.752	420.4E6	1760.7E6	208.075	163.512
21) B Endrin ke...	7.628	6.989	3141350	24248370	0.771m	1.123 #

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

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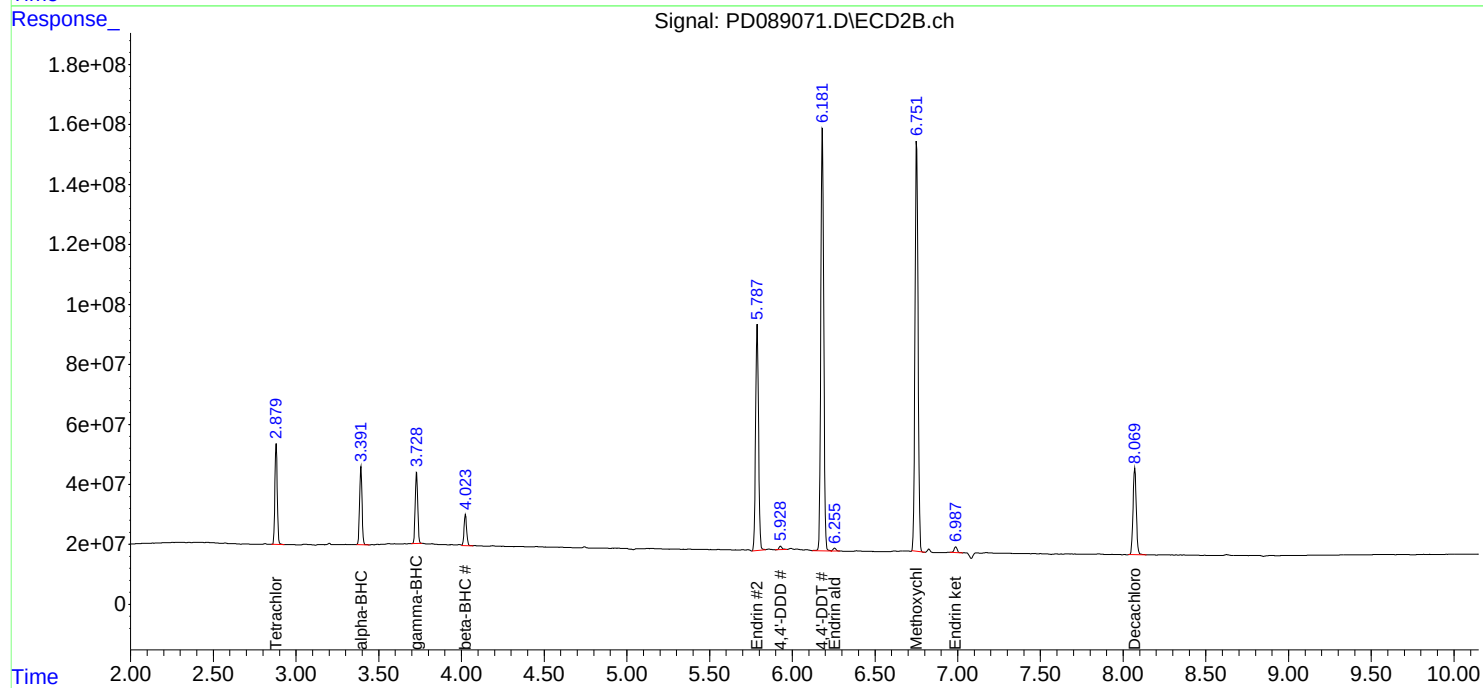
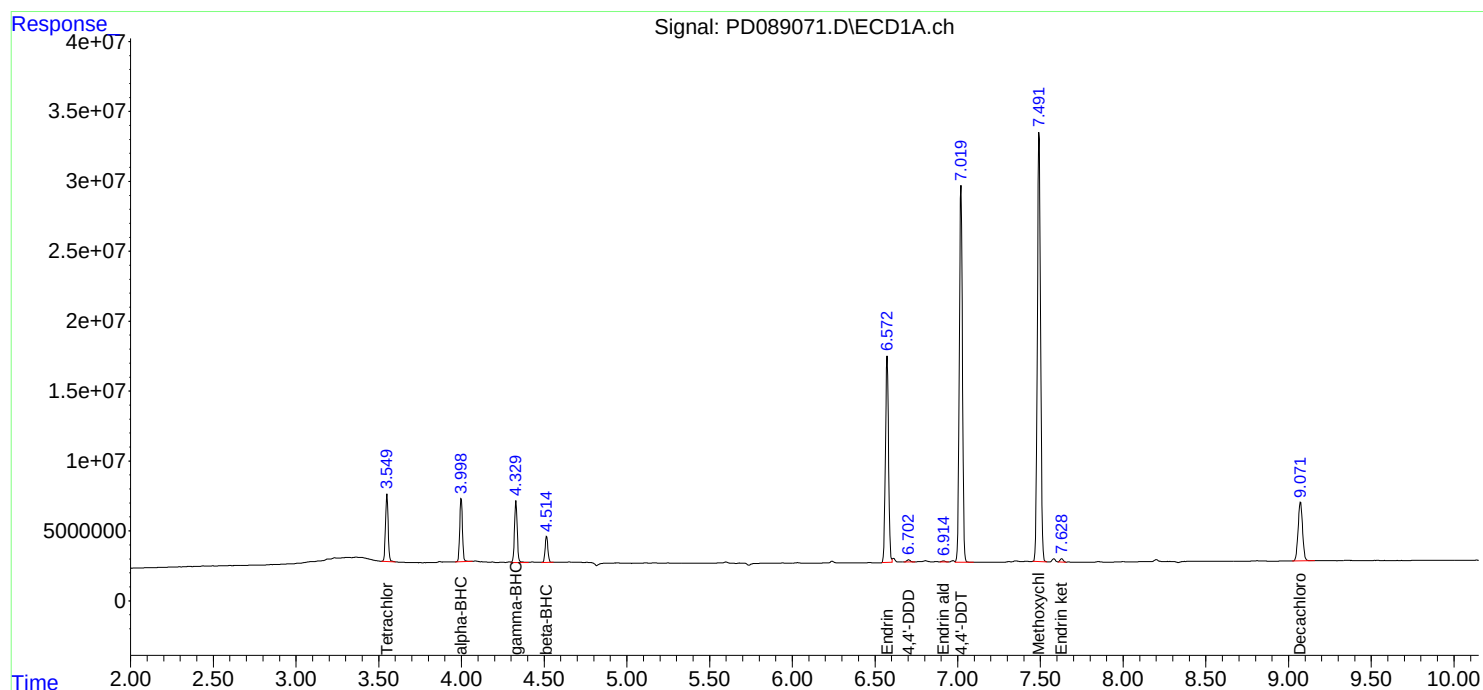
Instrument :
ECD_D
ClientSampleId :
PEM

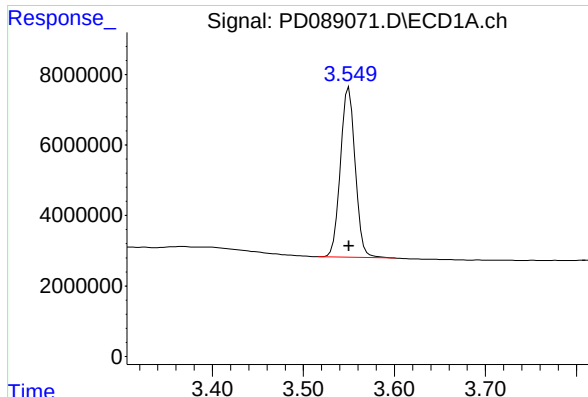
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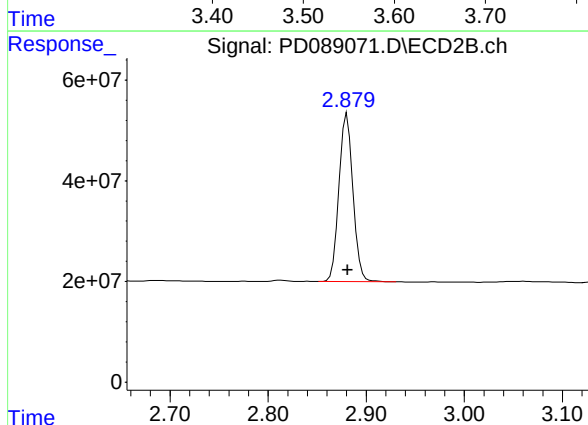
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 54504841
Conc: 19.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

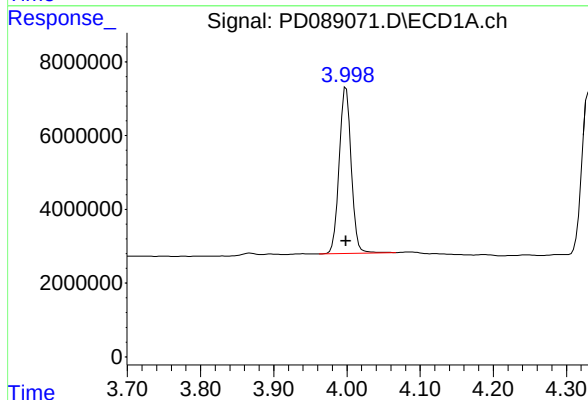
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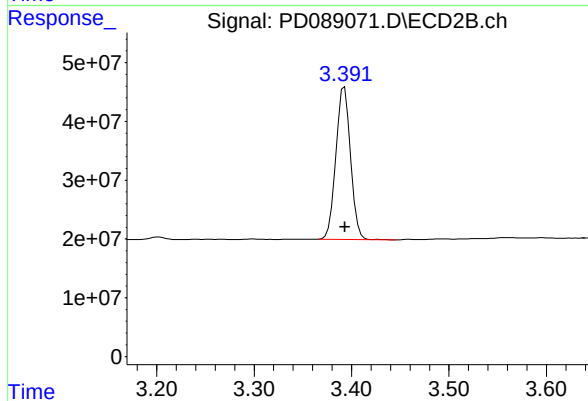
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 331689255
Conc: 19.57 ng/ml



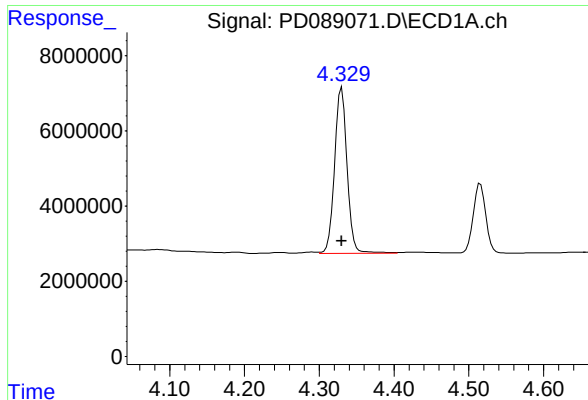
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 51526848
Conc: 8.84 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 270512364
Conc: 10.09 ng/ml



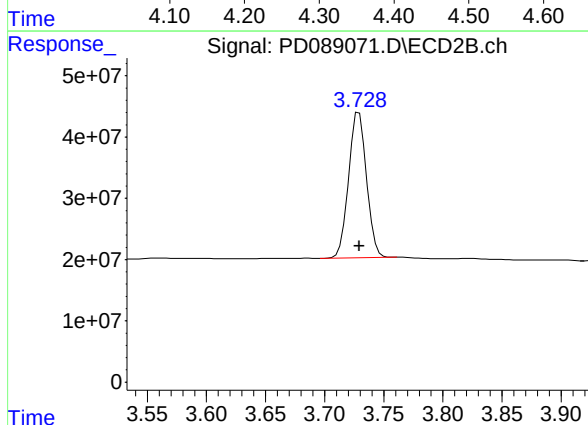
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 51552458
Conc: 9.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

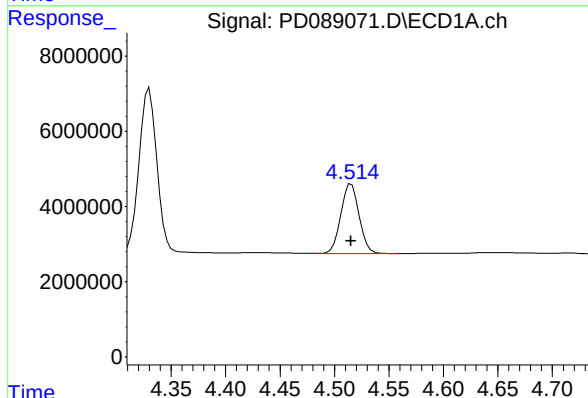
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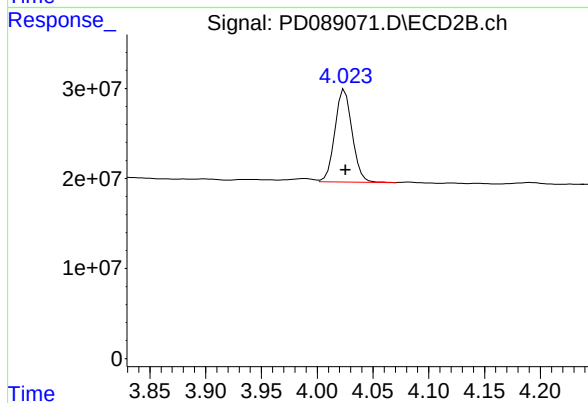
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 250005915
Conc: 10.10 ng/ml



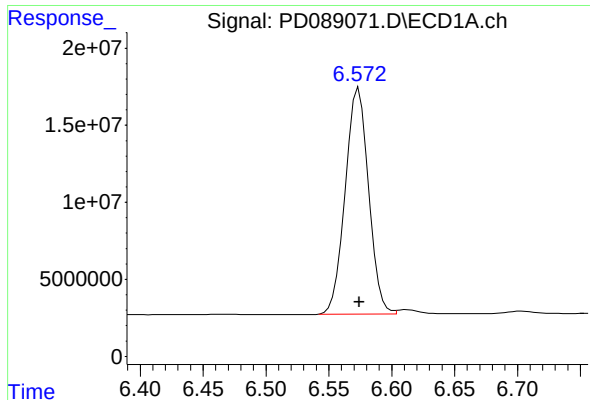
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 21559276
Conc: 9.77 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 110302957
Conc: 10.26 ng/ml



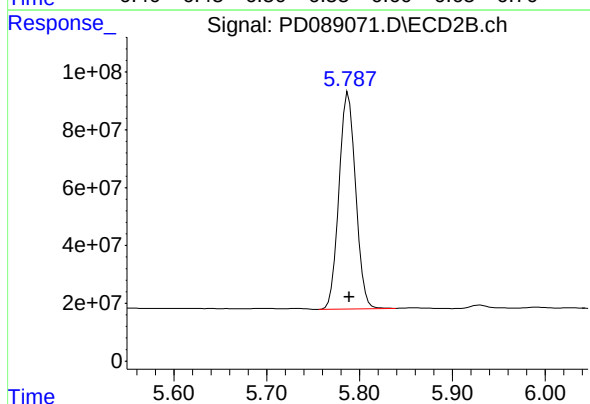
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 189270847
Conc: 45.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

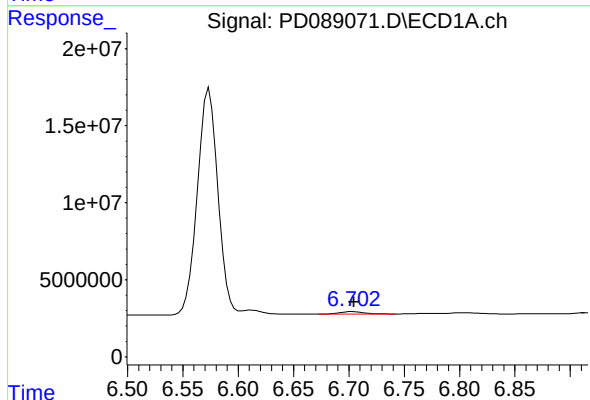
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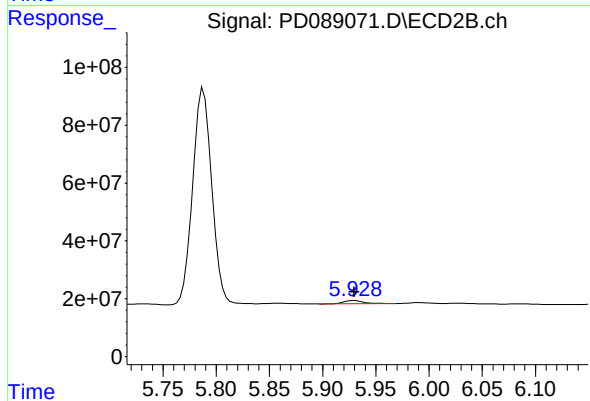
#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 936206168
Conc: 43.12 ng/ml



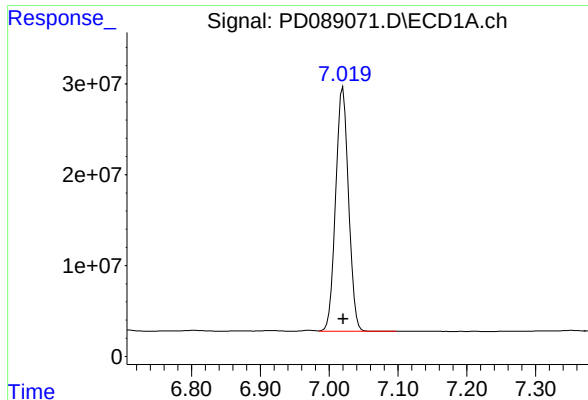
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.001 min
Response: 2362486
Conc: 0.69 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 14201387
Conc: 0.74 ng/ml



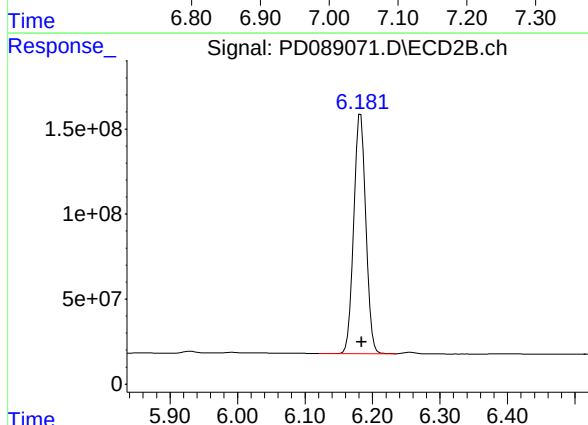
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 350151542
Conc: 92.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

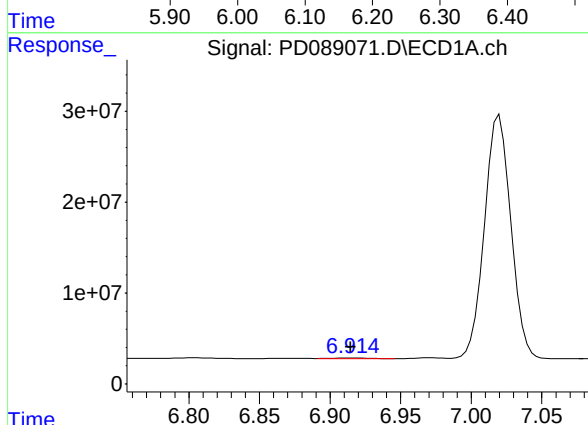
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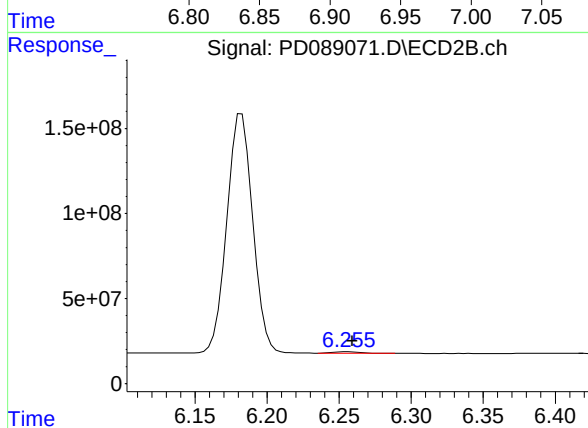
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1766684574
Conc: 87.12 ng/ml



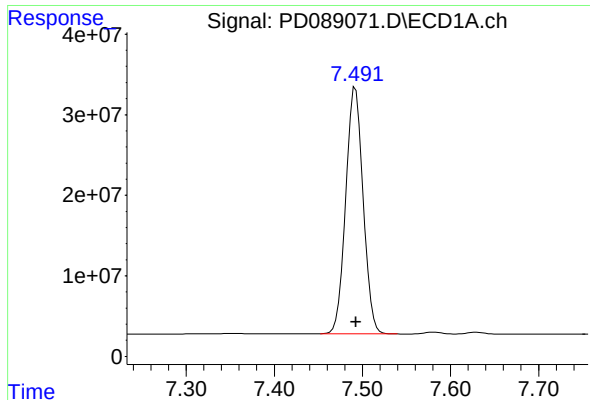
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 1219548
Conc: 0.40 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 11706856
Conc: 0.76 ng/ml



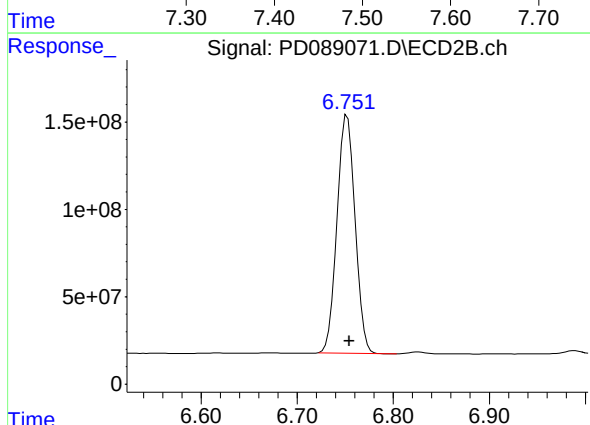
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 420442865
Conc: 208.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

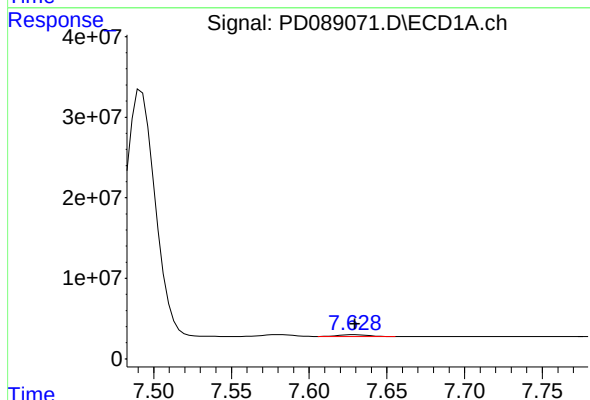
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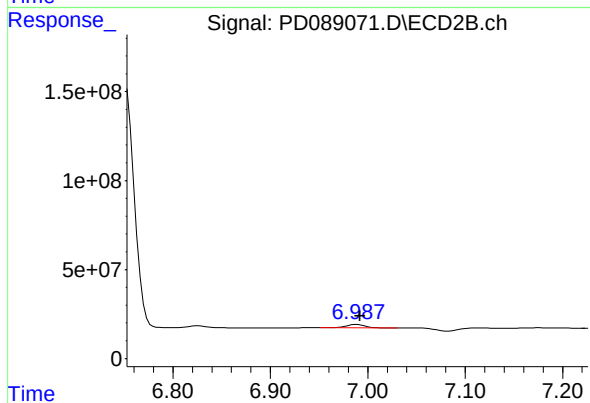
#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 1760705174
Conc: 163.51 ng/ml



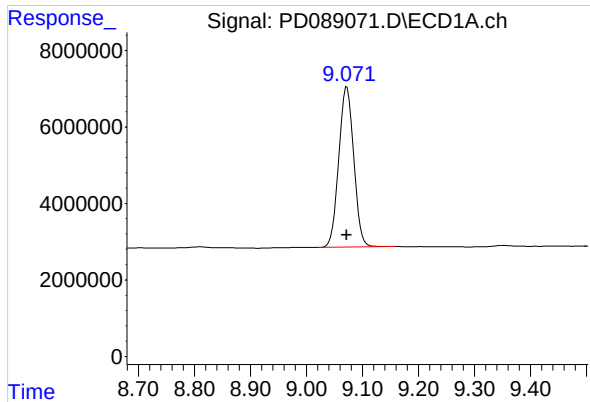
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.002 min
Response: 3141350
Conc: 0.77 ng/ml m



#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 24248370
Conc: 1.12 ng/ml



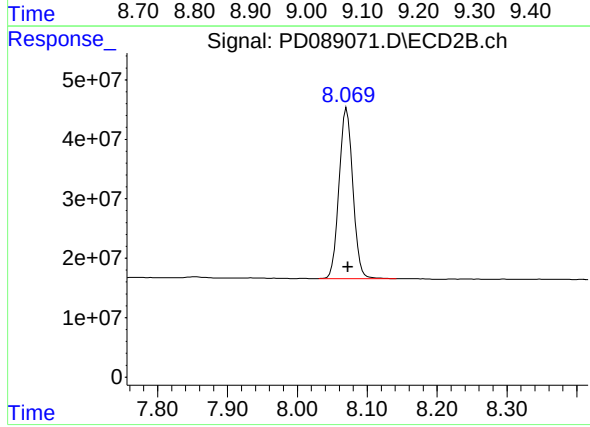
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 78178804
Conc: 19.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 393102717
Conc: 19.88 ng/ml