

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088854.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 09:20
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/11/2025
 Supervised By : mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 10 14:12:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.5 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...	3.548	2.879	51310089	316.0E6	23.714	20.893
28) SA Decachlor...	9.073	8.072	79873105	418.4E6	23.339	22.917
Target Compounds						
2) A alpha-BHC	3.997	3.391	48363729	258.9E6	10.125	10.830
3) MA gamma-BHC...	4.328	3.728	47829753	241.6E6	10.392	10.900
6) B beta-BHC	4.514	4.024	20619526	107.1E6	11.435	10.991
14) MA Endrin	6.574	5.788	184.6E6	940.6E6	54.049	48.774
16) A 4,4'-DDD	6.704	5.929	3555161	23797435	1.276	1.368
17) MA 4,4'-DDT	7.021	6.182	341.2E6	1750.2E6	109.295	96.497
18) B Endrin al...	6.915	6.256	499701	10063490	0.194m	0.722 #
20) A Methoxychlor	7.493	6.753	418.7E6	1854.9E6	250.645	193.722
21) B Endrin ke...	7.628	6.990	2689611	19621282	0.786m	1.014 #

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

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Acq On : 10 Jun 2025 09:20
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

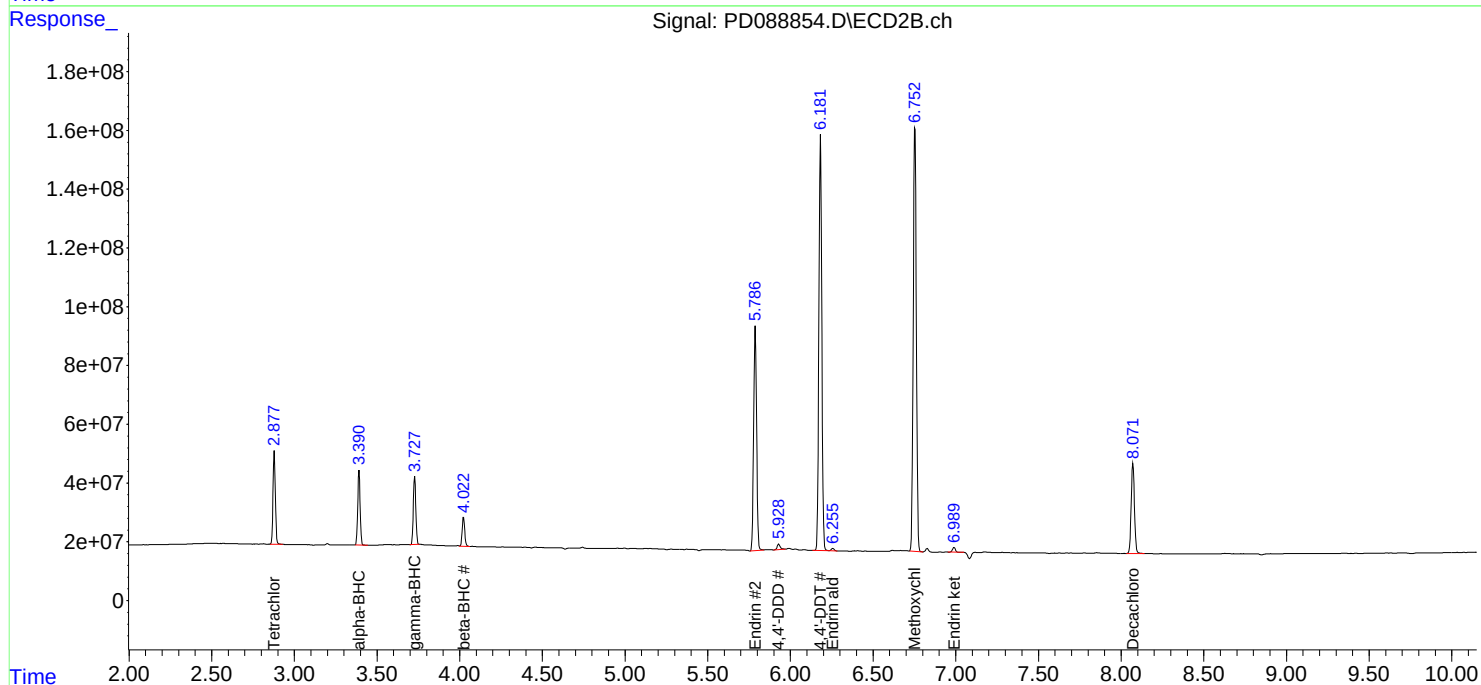
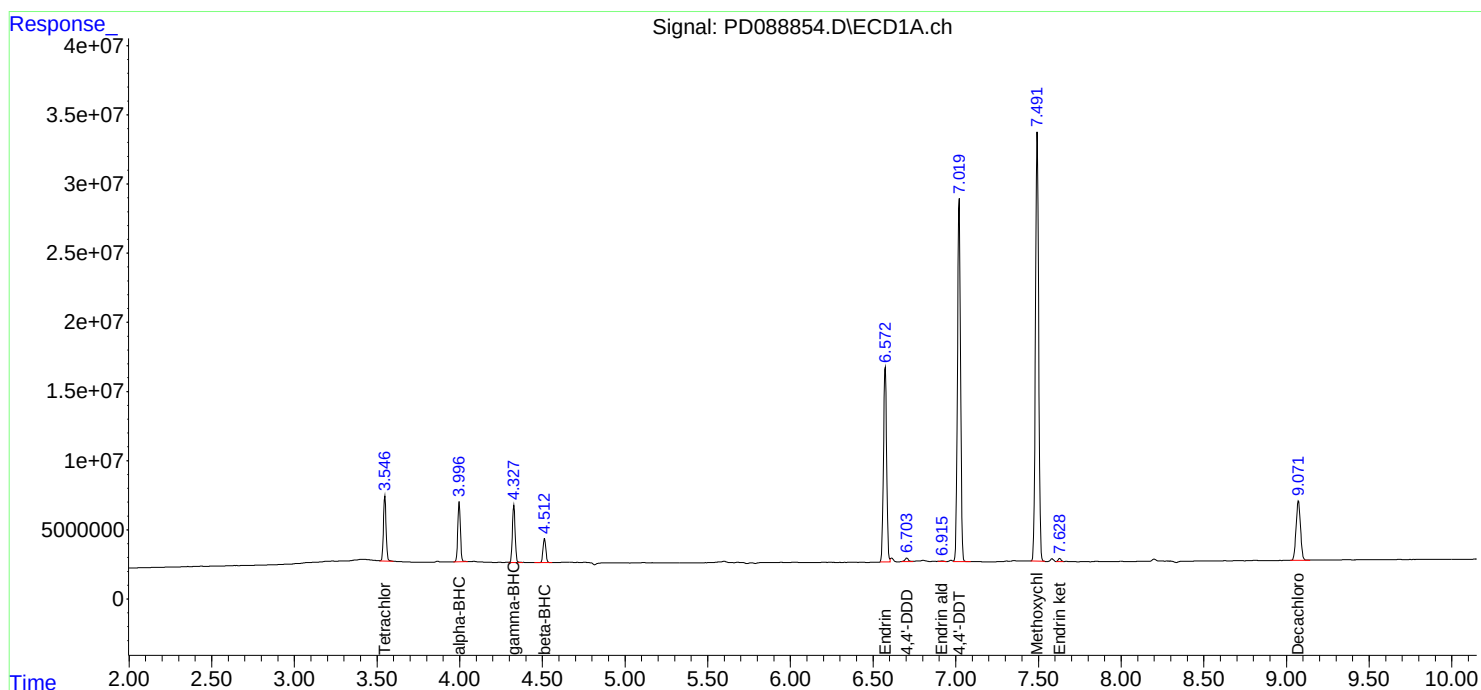
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ClientSampleId :
PEM

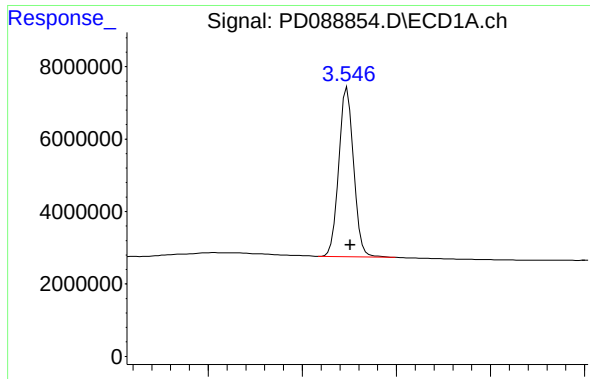
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
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Volume Inj. : 1 µl
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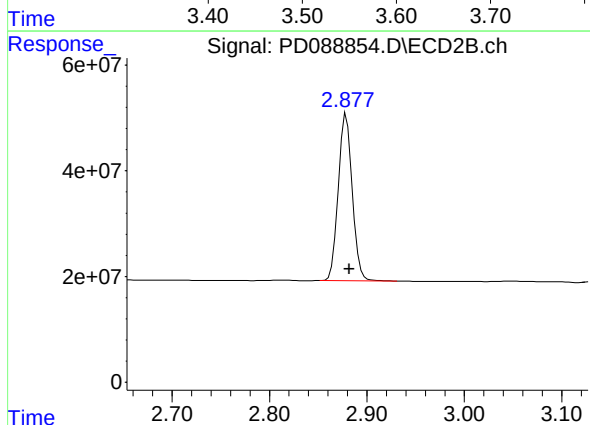
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 51310089
Conc: 23.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

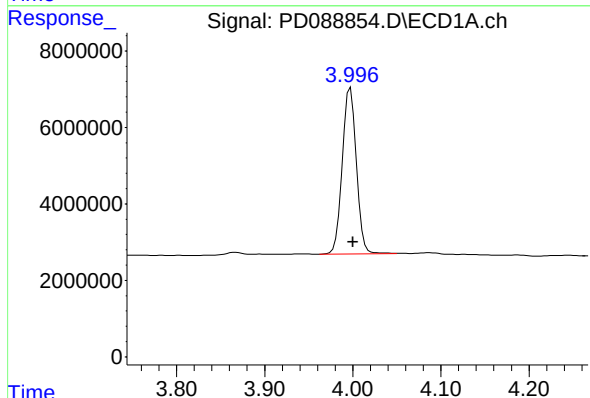
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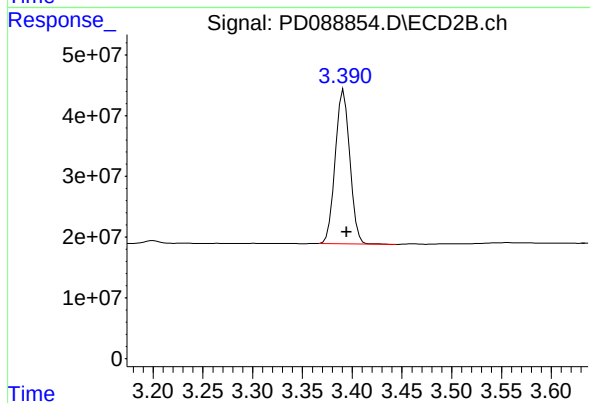
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 316039014
Conc: 20.89 ng/ml



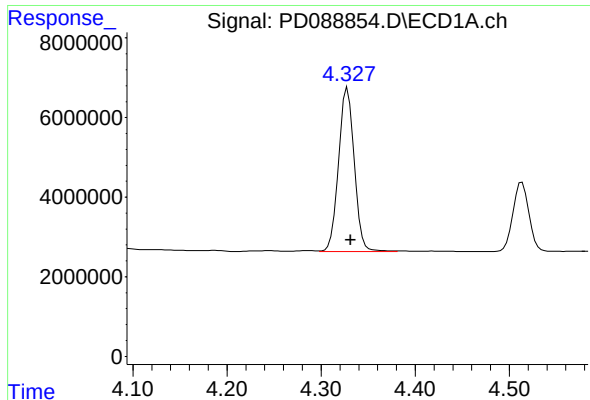
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: -0.003 min
Response: 48363729
Conc: 10.13 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 258870530
Conc: 10.83 ng/ml



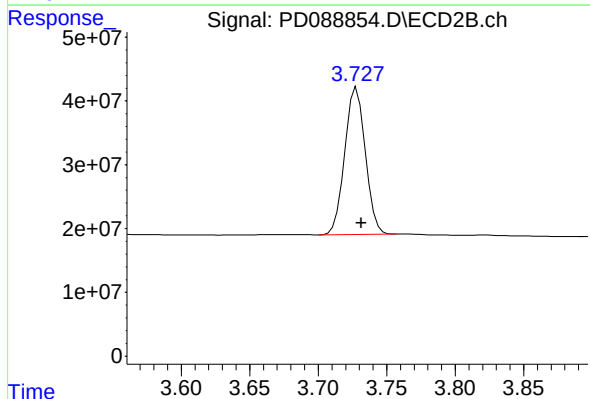
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.003 min
Response: 47829753
Conc: 10.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

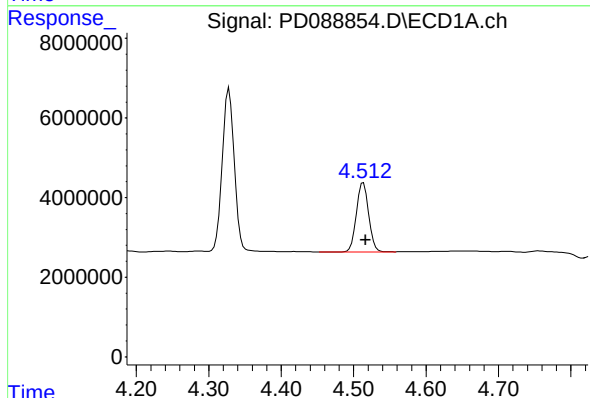
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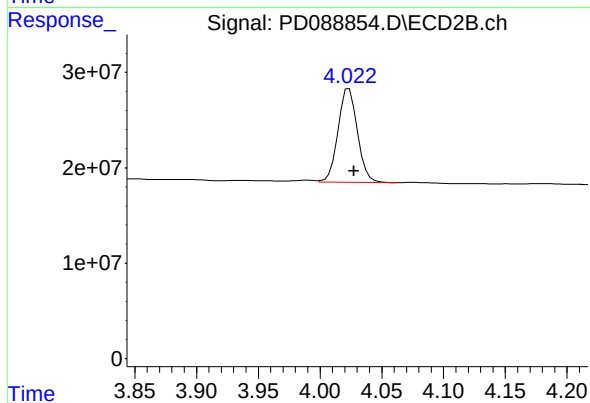
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 241612348
Conc: 10.90 ng/ml



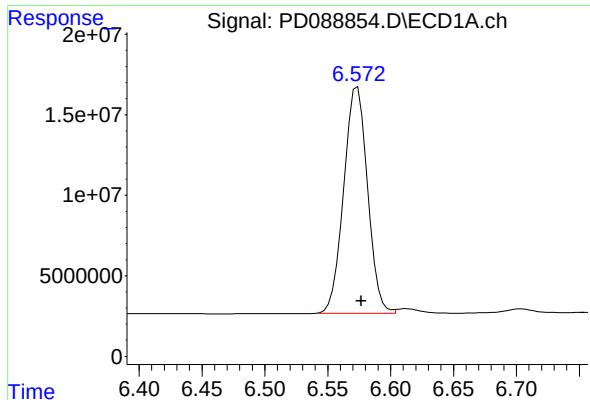
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20619526
Conc: 11.44 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.004 min
Response: 107076549
Conc: 10.99 ng/ml



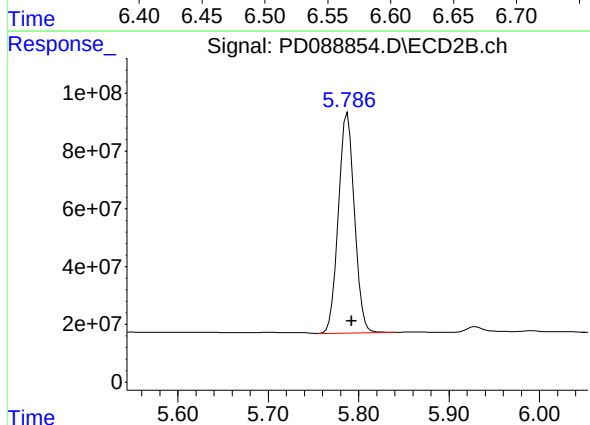
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 184586643
Conc: 54.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

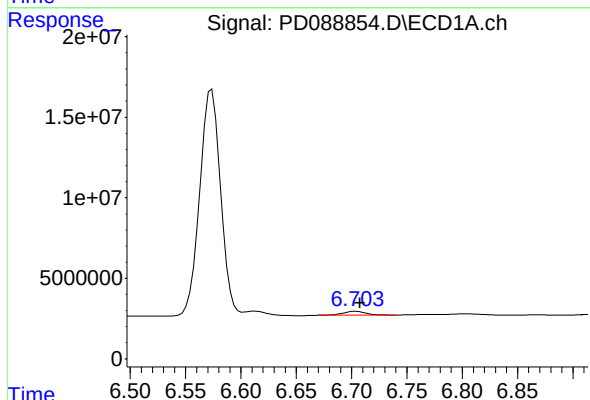
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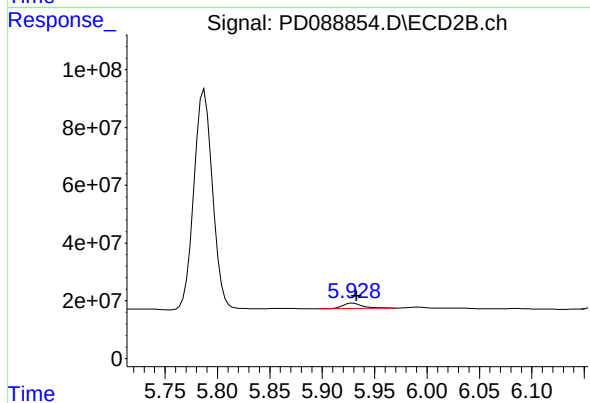
#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.005 min
Response: 940560757
Conc: 48.77 ng/ml



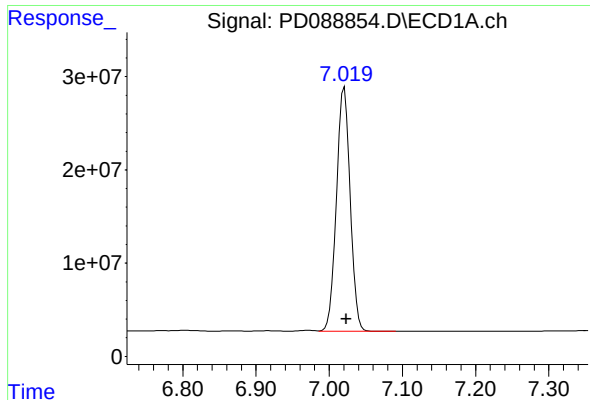
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 3555161
Conc: 1.28 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.003 min
Response: 23797435
Conc: 1.37 ng/ml



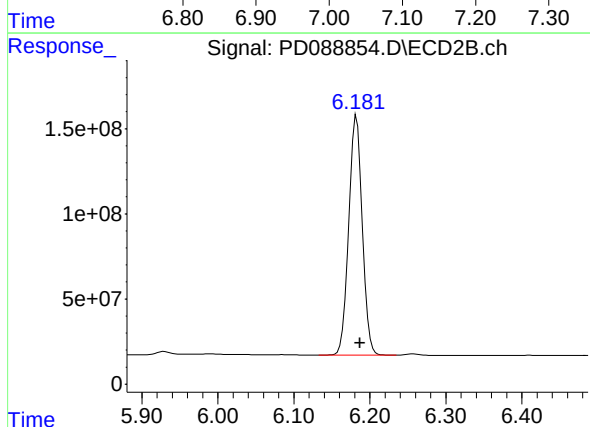
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 341222778
Conc: 109.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

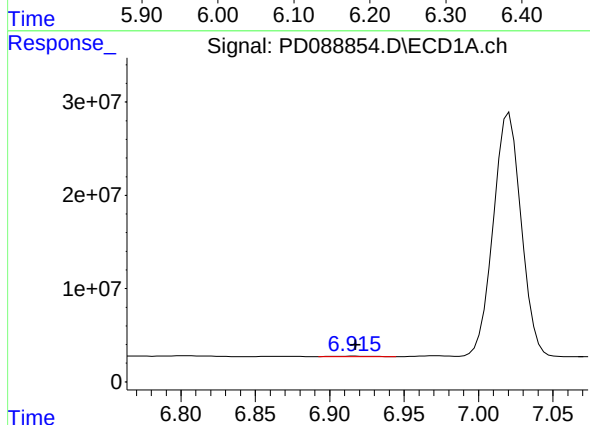
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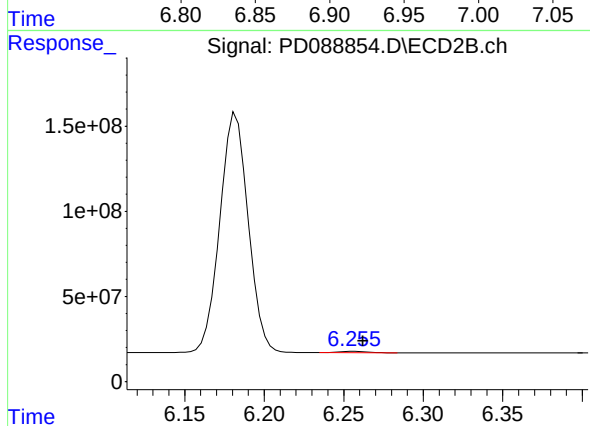
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.005 min
Response: 1750194723
Conc: 96.50 ng/ml



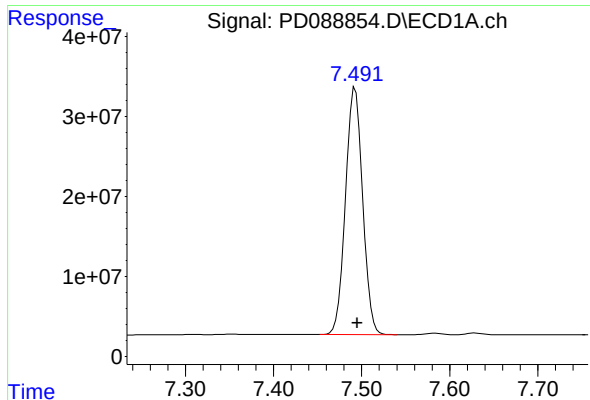
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: -0.003 min
Response: 499701
Conc: 0.19 ng/ml m



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.006 min
Response: 10063490
Conc: 0.72 ng/ml



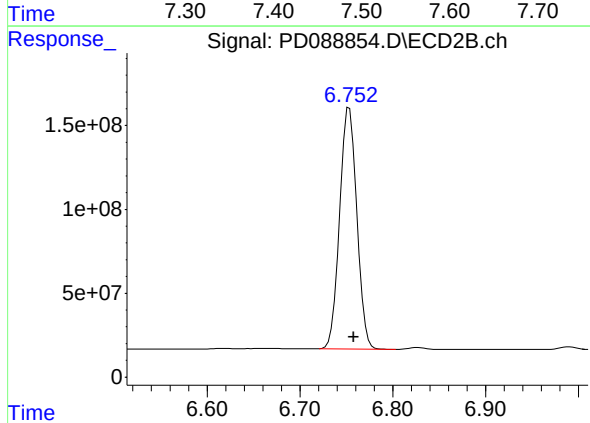
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.003 min
Response: 418715120
Conc: 250.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

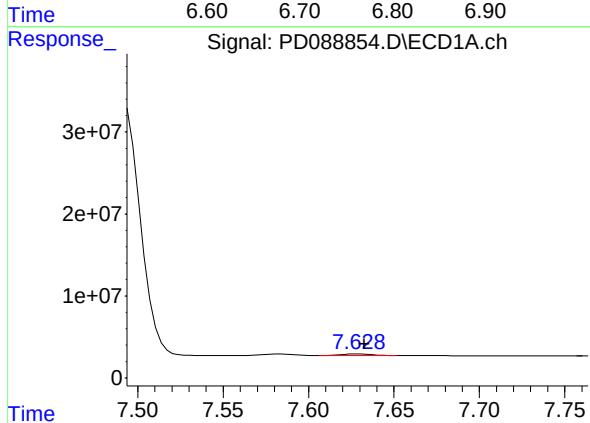
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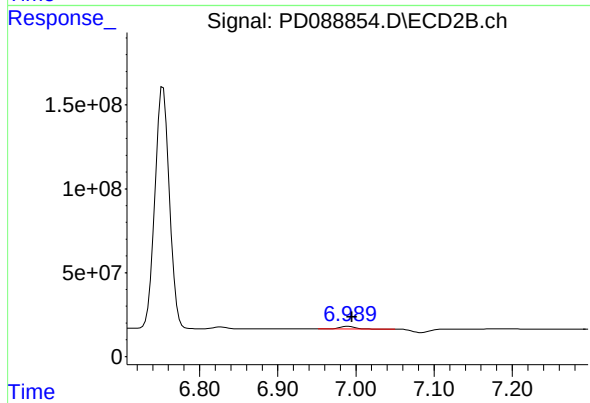
#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 1854852706
Conc: 193.72 ng/ml



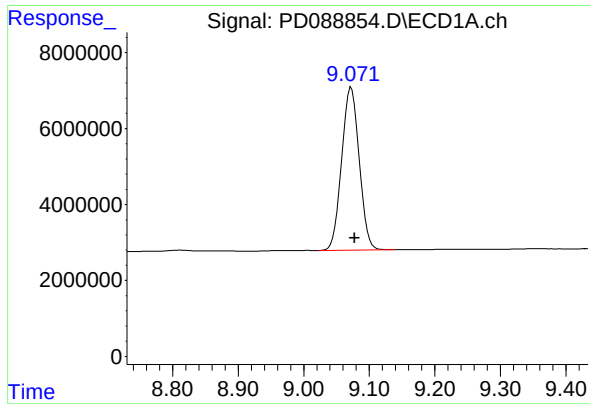
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.005 min
Response: 2689611
Conc: 0.79 ng/ml m



#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 19621282
Conc: 1.01 ng/ml



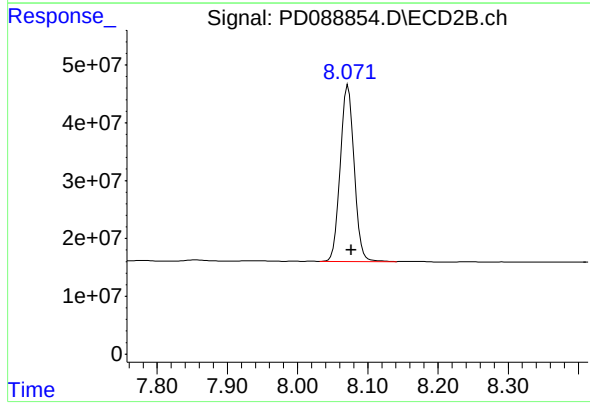
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.005 min
Response: 79873105
Conc: 23.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 418378382
Conc: 22.92 ng/ml