

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052025\
 Data File : PD088657.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 16:44
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/21/2025
 Supervised By : mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 21 03:34:36 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 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...	3.552	2.882	47800836	344.4E6	22.092	22.769
28)	SA Decachlor...	9.077	8.074	74539055	363.6E6	21.780	19.916
Target Compounds							
2)	A alpha-BHC	4.001	3.394	47783473	280.4E6	10.004	11.732
3)	MA gamma-BHC...	4.332	3.731	47270010	260.0E6	10.270	11.731
6)	B beta-BHC	4.517	4.027	19992129	113.8E6	11.087	11.683
14)	MA Endrin	6.577	5.792	182.5E6	986.0E6	53.440	51.131
16)	A 4,4'-DDD	6.707	5.932	21804302	128.3E6	7.829	7.377
17)	MA 4,4'-DDT	7.023	6.185	275.7E6	1514.5E6	88.317	83.502
18)	B Endrin al...	6.921	6.259	733788	9485279	0.285	0.681 #
20)	A Methoxychlor	7.496	6.756	350.3E6	1722.4E6	209.711	179.887
21)	B Endrin ke...	7.631	6.993	4903029	33179344	1.432m	1.715

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

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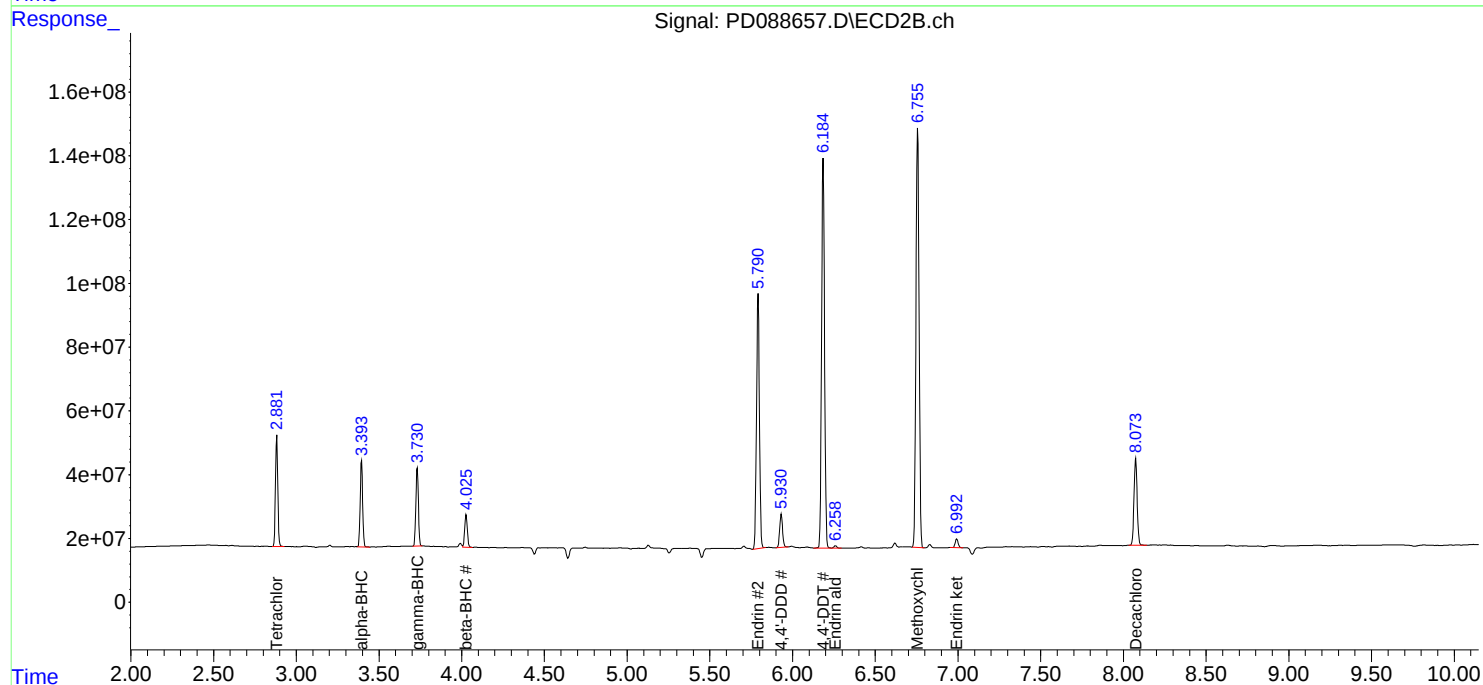
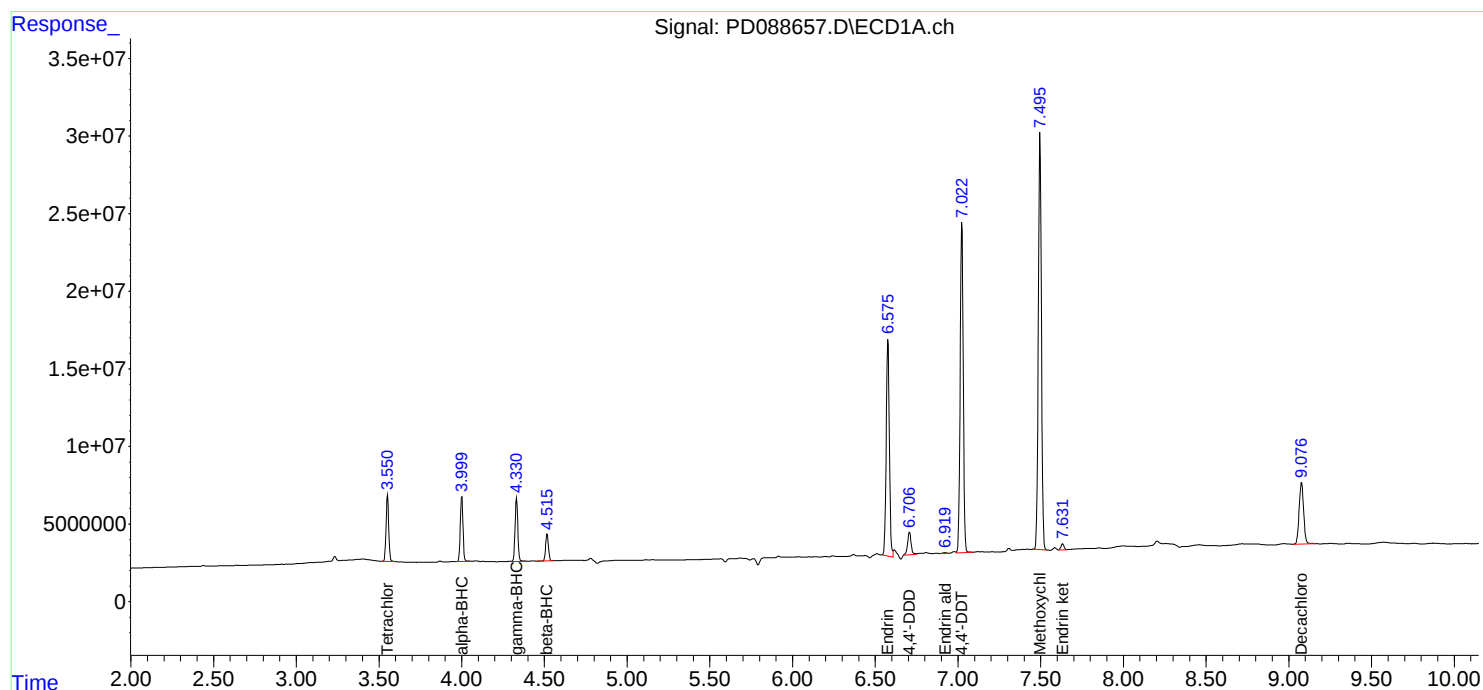
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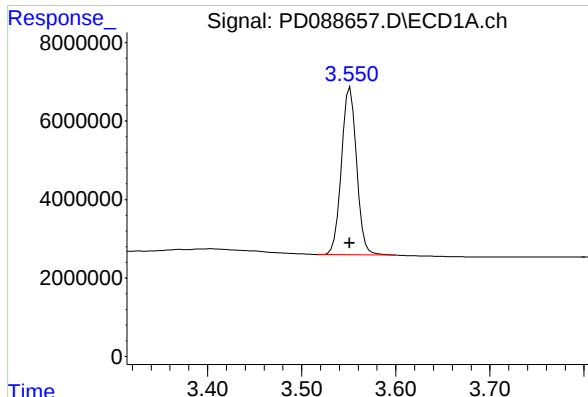
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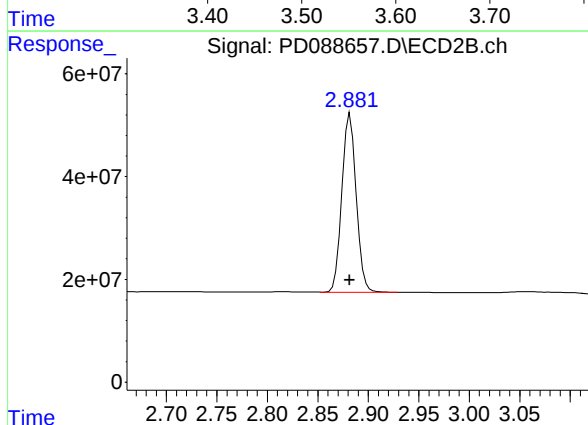
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 47800836
Conc: 22.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

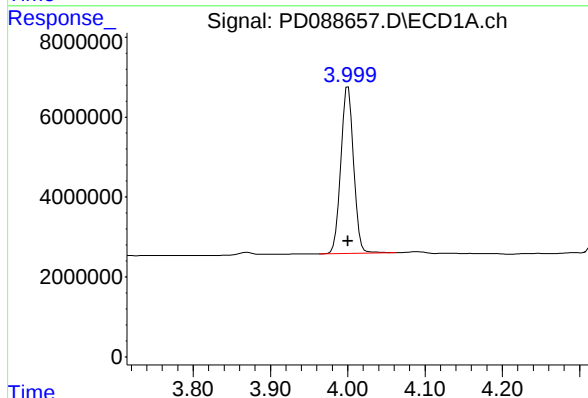
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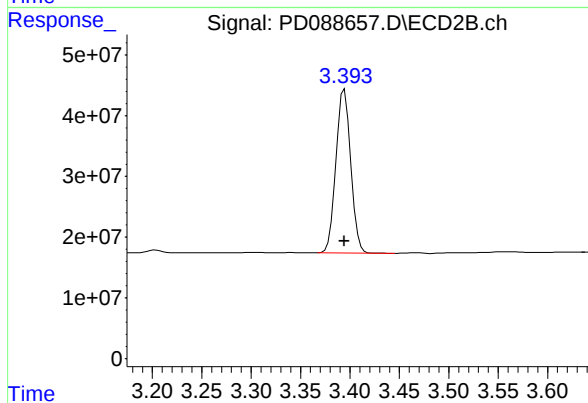
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 344425034
Conc: 22.77 ng/ml



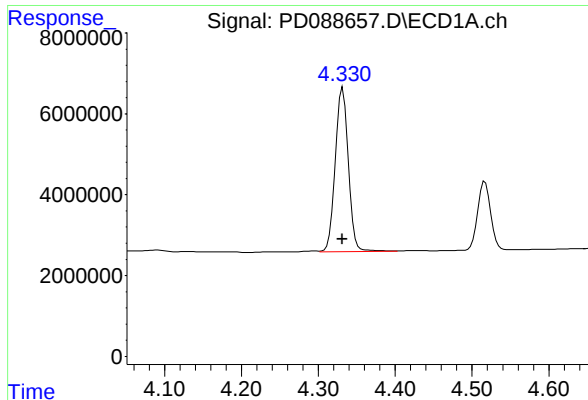
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 47783473
Conc: 10.00 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 280428792
Conc: 11.73 ng/ml



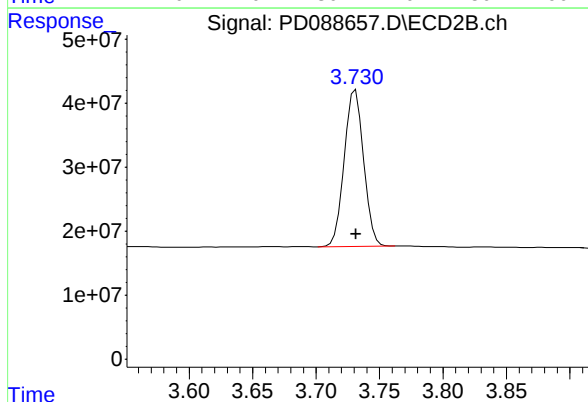
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 47270010
Conc: 10.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

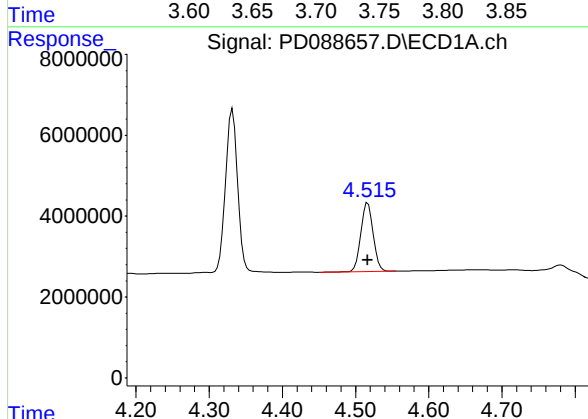
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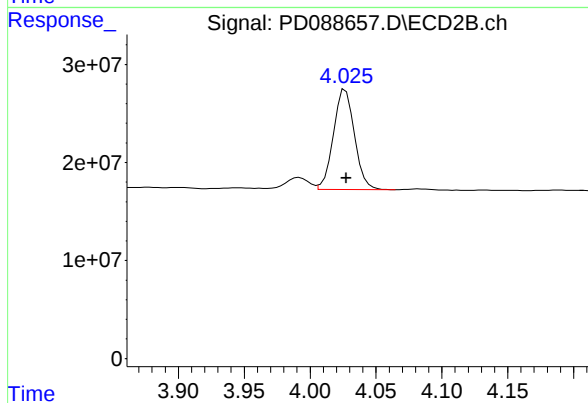
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 260016319
Conc: 11.73 ng/ml



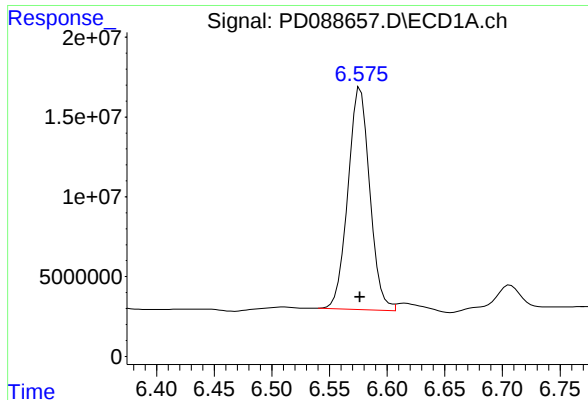
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 19992129
Conc: 11.09 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 113811165
Conc: 11.68 ng/ml



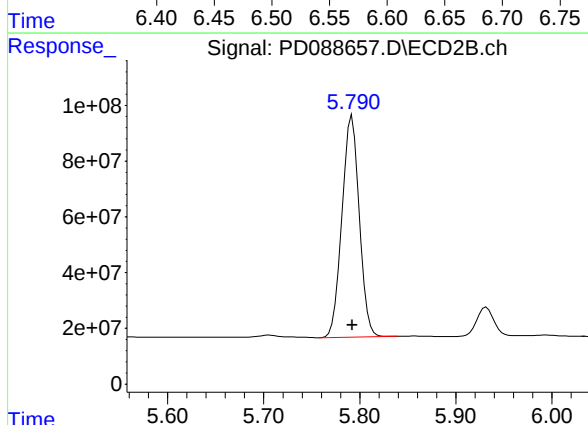
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.000 min
Response: 182506057
Conc: 53.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

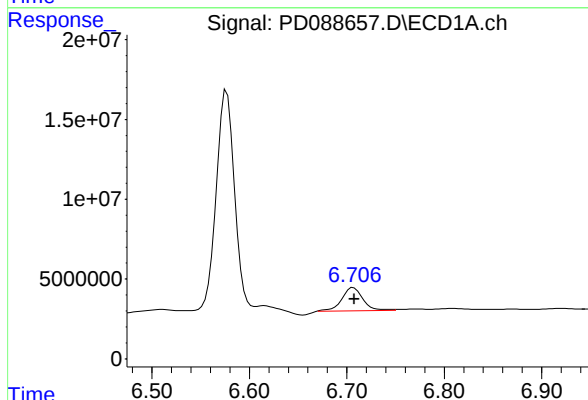
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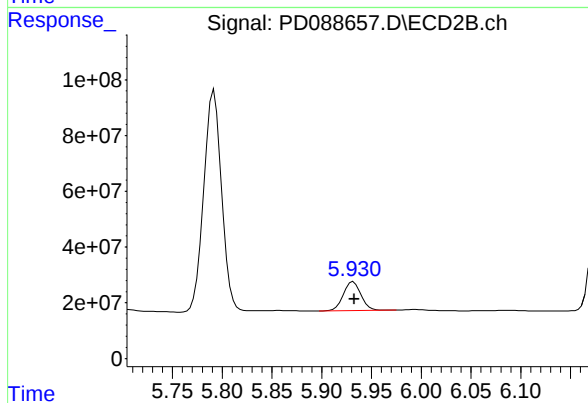
#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 986017608
Conc: 51.13 ng/ml



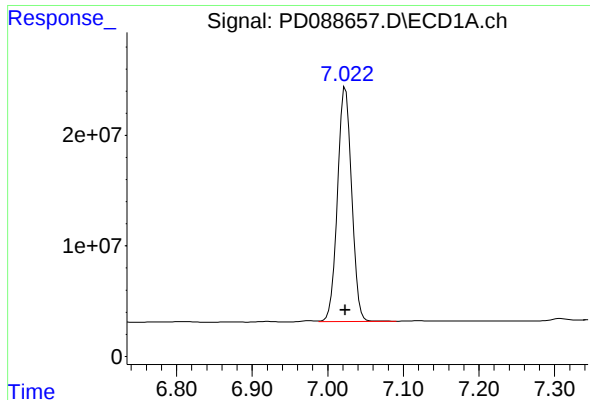
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 21804302
Conc: 7.83 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 128308596
Conc: 7.38 ng/ml



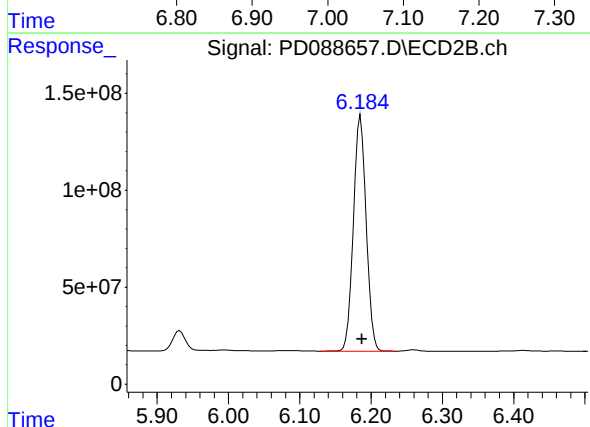
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 275730275
Conc: 88.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

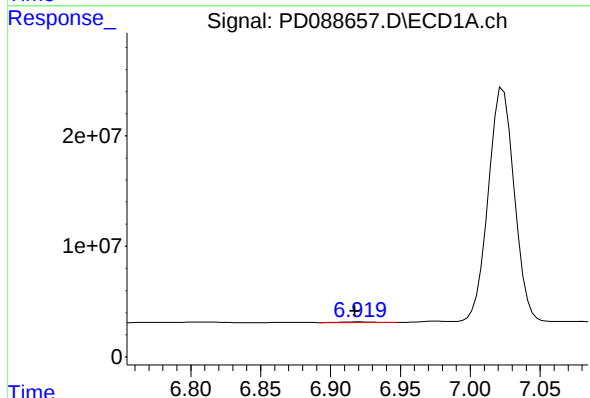
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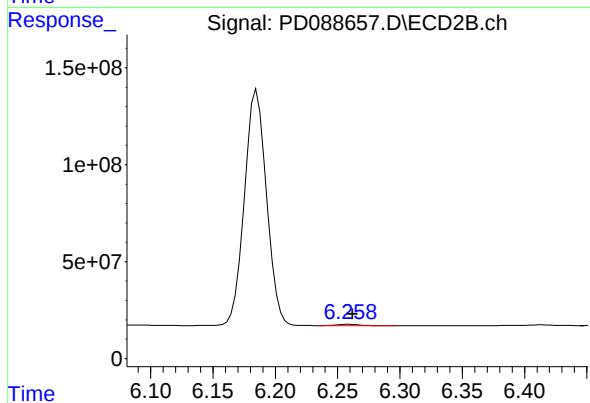
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 1514509849
Conc: 83.50 ng/ml



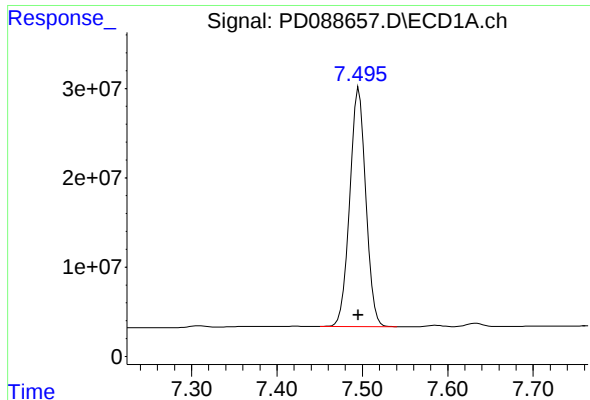
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.003 min
Response: 733788
Conc: 0.29 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: -0.003 min
Response: 9485279
Conc: 0.68 ng/ml



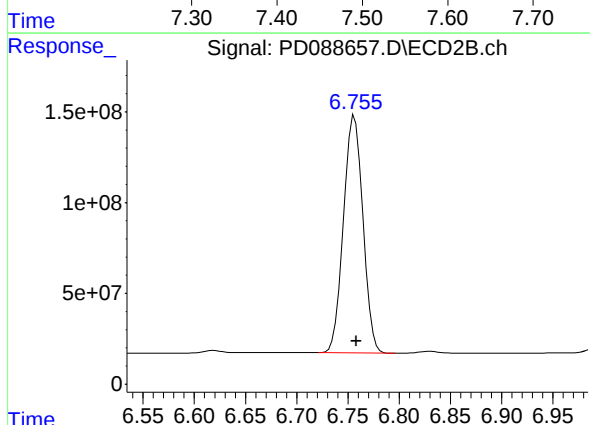
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.000 min
Response: 350332886
Conc: 209.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

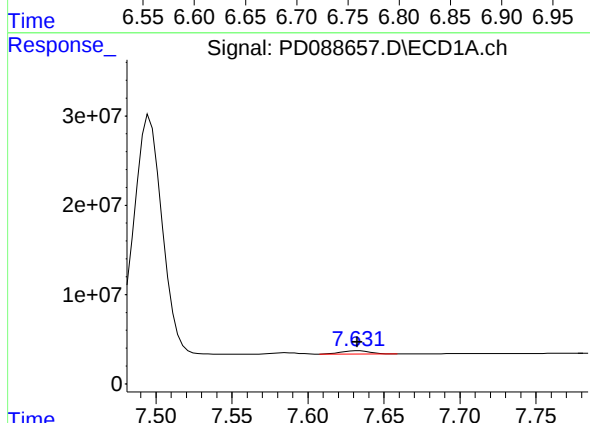
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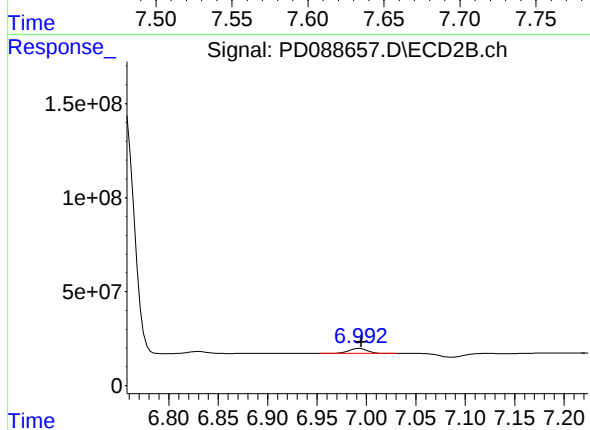
#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 1722382264
Conc: 179.89 ng/ml



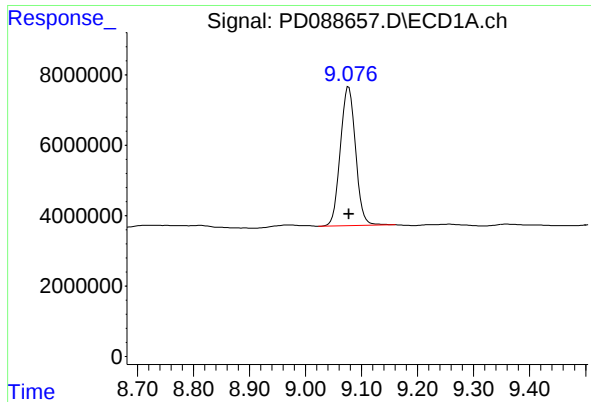
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 4903029
Conc: 1.43 ng/ml m



#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 33179344
Conc: 1.71 ng/ml



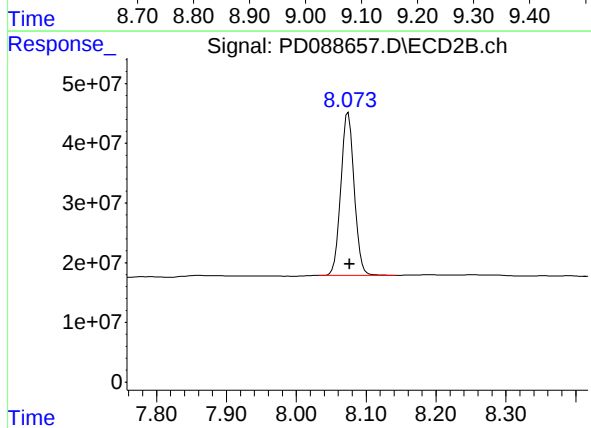
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 74539055
Conc: 21.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 363594099
Conc: 19.92 ng/ml