

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053025\
 Data File : PD088770.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 May 2025 09:18
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/30/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 01:10:30 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...	3.549	2.880	49339339	341.9E6	22.803	22.603
28)	SA Decachlor...	9.072	8.072	76789162	396.5E6	22.438	21.720
Target Compounds							
2)	A alpha-BHC	3.998	3.392	49434441	279.3E6	10.349	11.683
3)	MA gamma-BHC...	4.329	3.729	49673694	259.1E6	10.792	11.691
6)	B beta-BHC	4.514	4.025	20469423	111.5E6	11.352	11.446
14)	MA Endrin	6.573	5.789	194.7E6	996.7E6	57.011	51.683
16)	A 4,4'-DDD	6.702	5.929	3076827	20322254	1.105m	1.168m
17)	MA 4,4'-DDT	7.020	6.183	341.1E6	1809.1E6	109.256	99.744
18)	B Endrin al...	6.914	6.257	472934	8951728	0.184m	0.643 #
20)	A Methoxychlor	7.492	6.753	416.5E6	1876.2E6	249.343	195.955
21)	B Endrin ke...	7.627	6.988	1920154	13472565	0.561m	0.696m

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

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Acq On : 29 May 2025 09:18
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

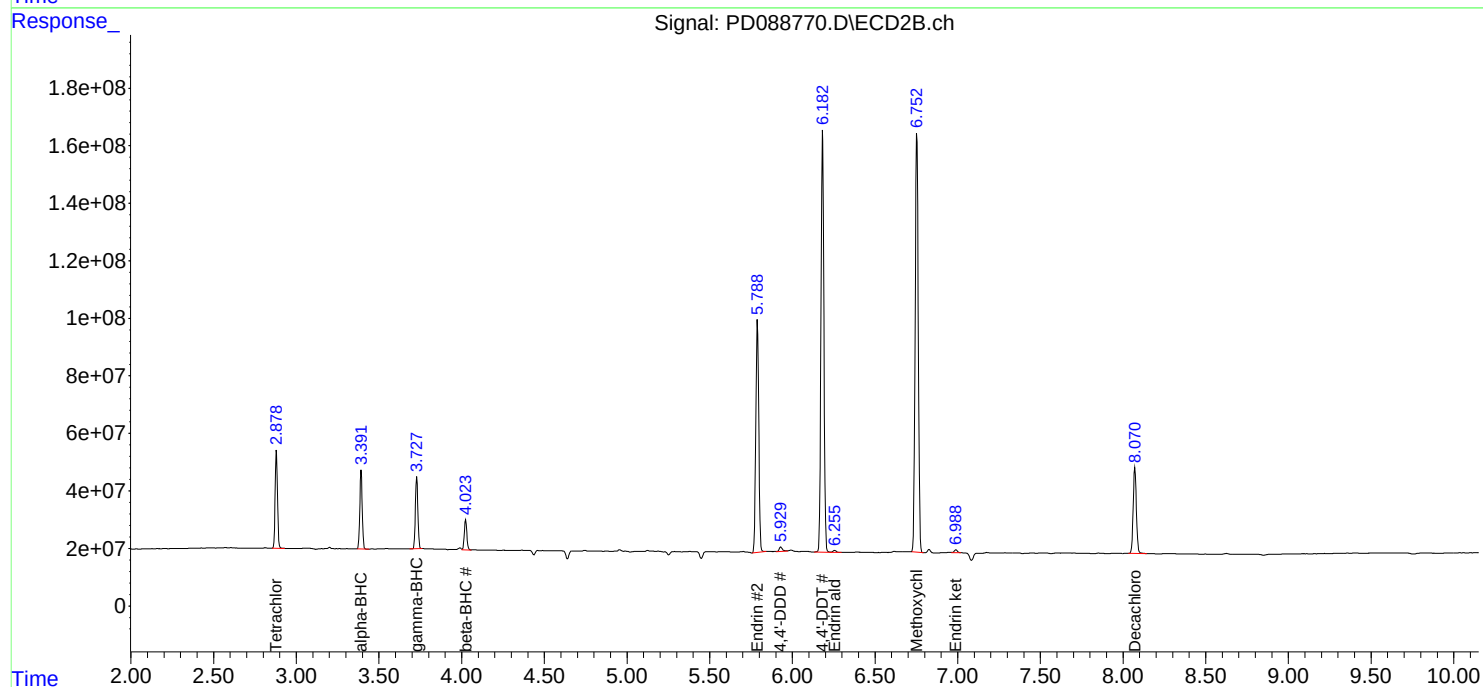
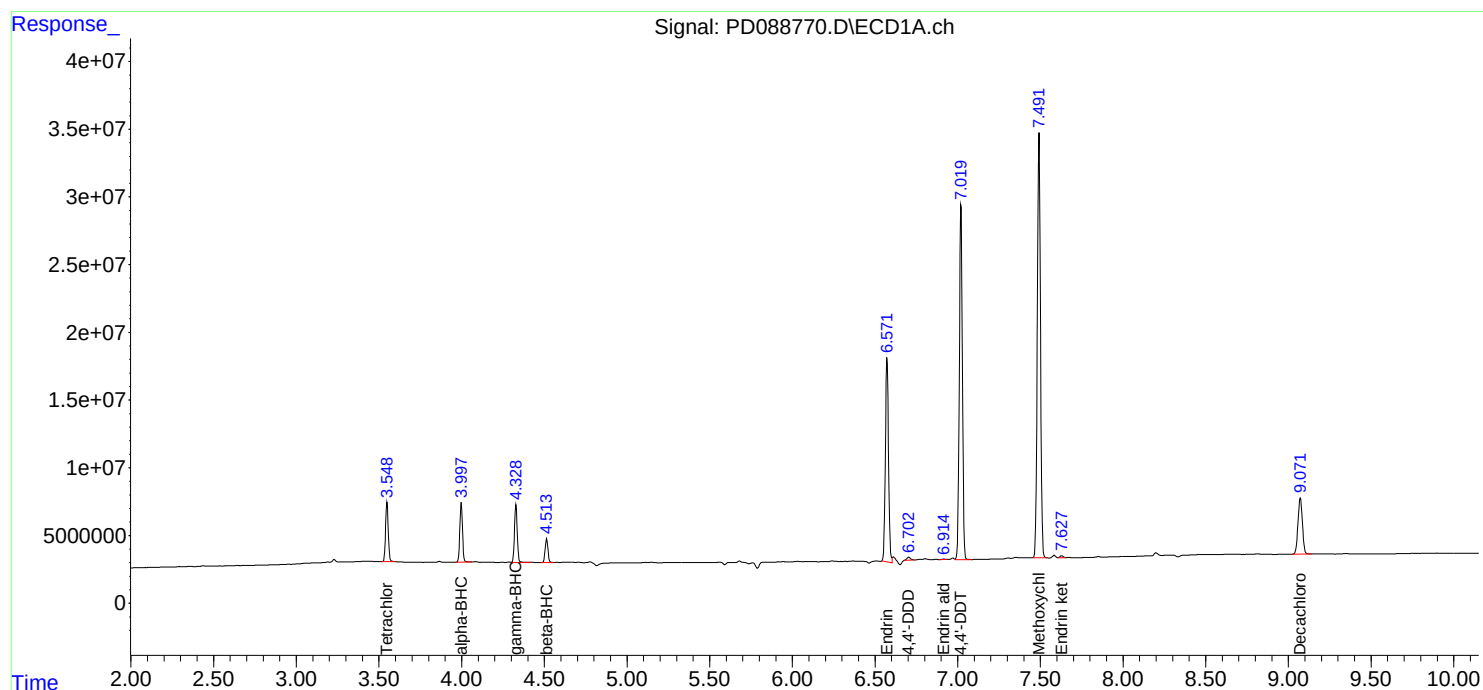
Instrument :
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ClientSampleId :
PEM

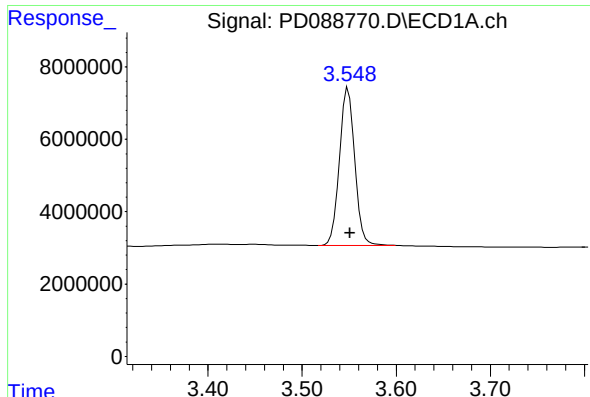
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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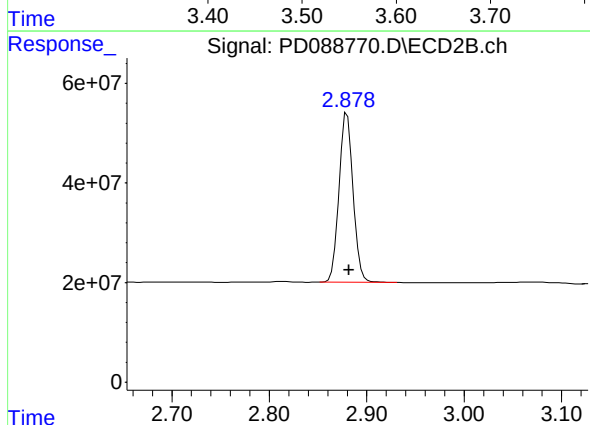
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 49339339
Conc: 22.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

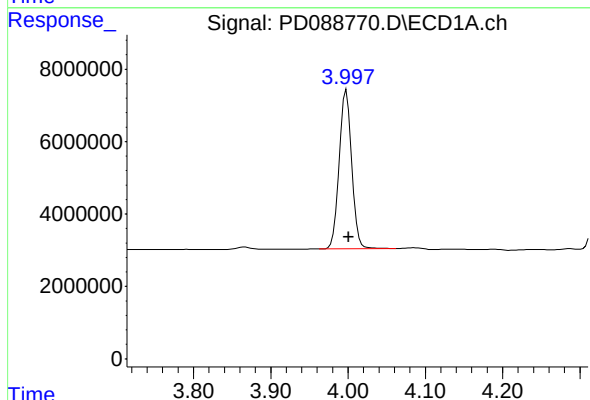
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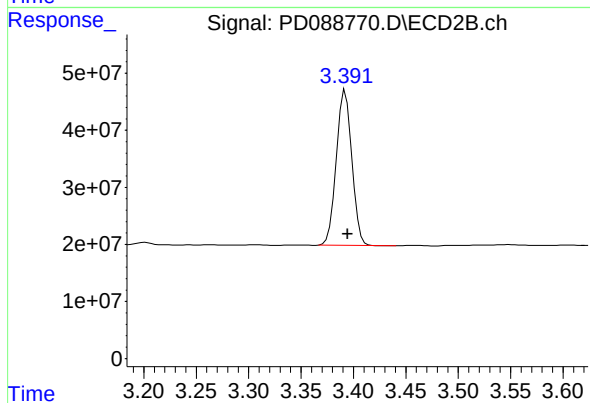
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 341912550
Conc: 22.60 ng/ml



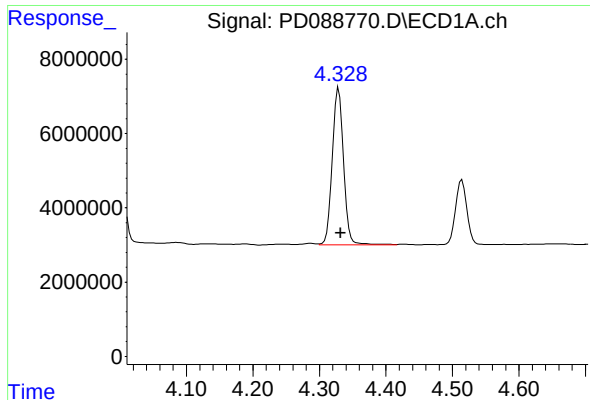
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 49434441
Conc: 10.35 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 279266275
Conc: 11.68 ng/ml



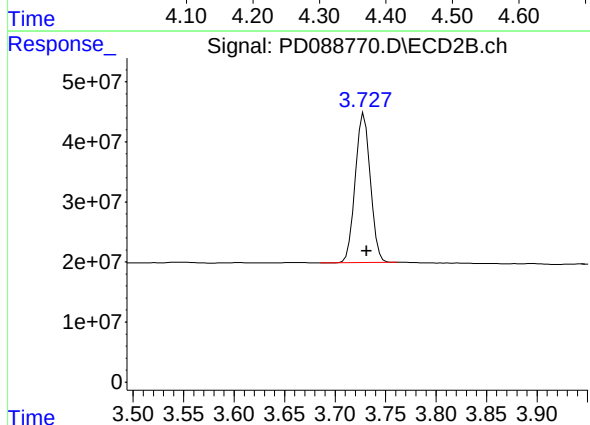
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 49673694
Conc: 10.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

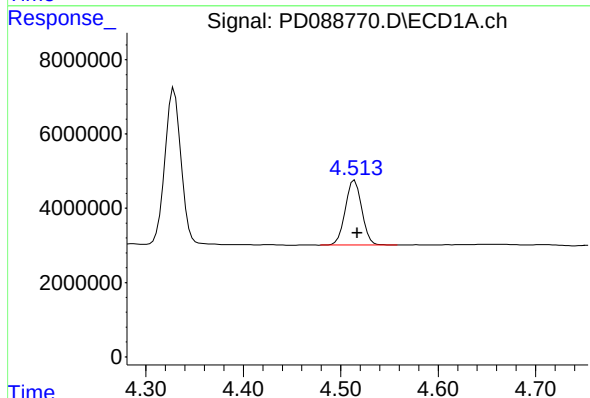
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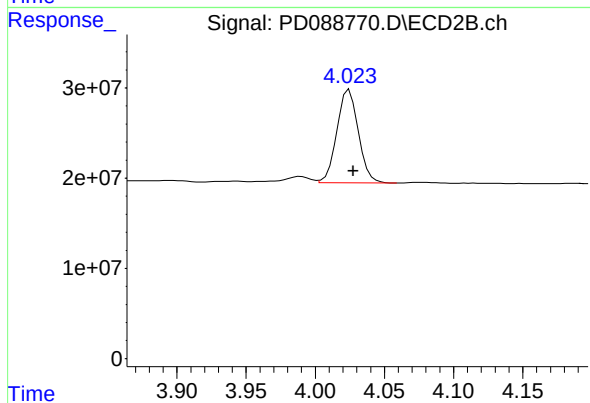
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 259133884
Conc: 11.69 ng/ml



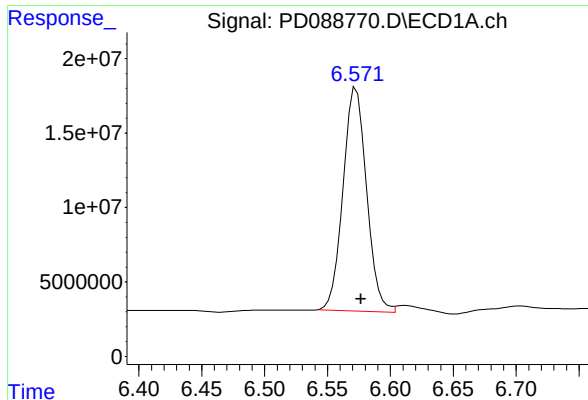
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.002 min
Response: 20469423
Conc: 11.35 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 111503739
Conc: 11.45 ng/ml



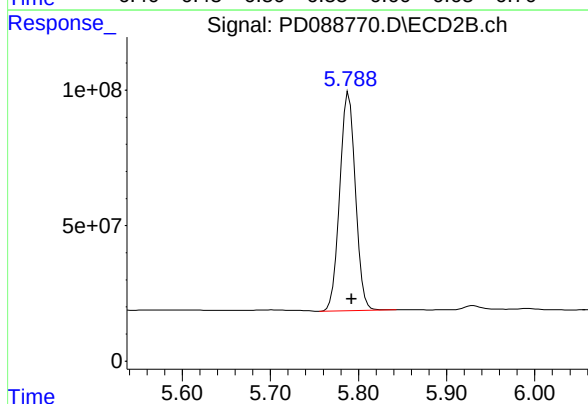
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.004 min
Response: 194702709
Conc: 57.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

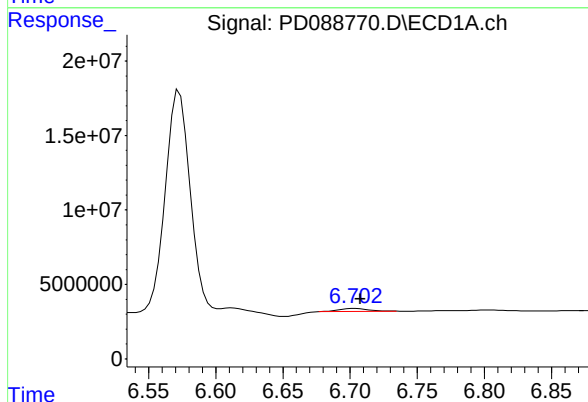
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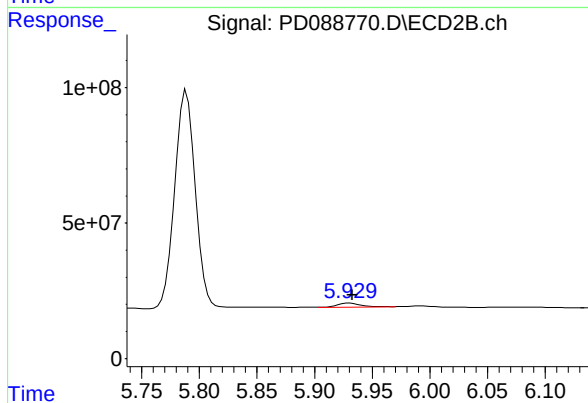
#14 Endrin

R.T.: 5.789 min
Delta R.T.: -0.003 min
Response: 996650655
Conc: 51.68 ng/ml



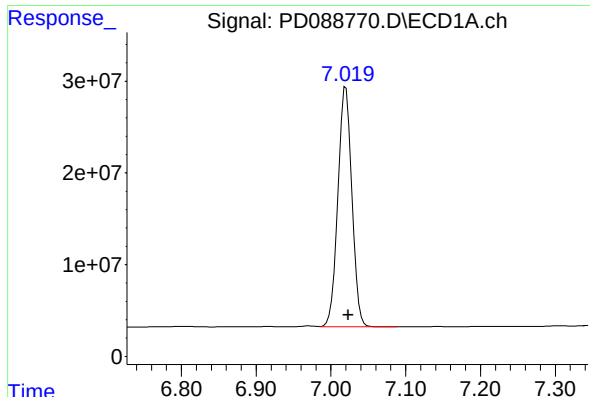
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.005 min
Response: 3076827
Conc: 1.10 ng/ml m



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 20322254
Conc: 1.17 ng/ml m



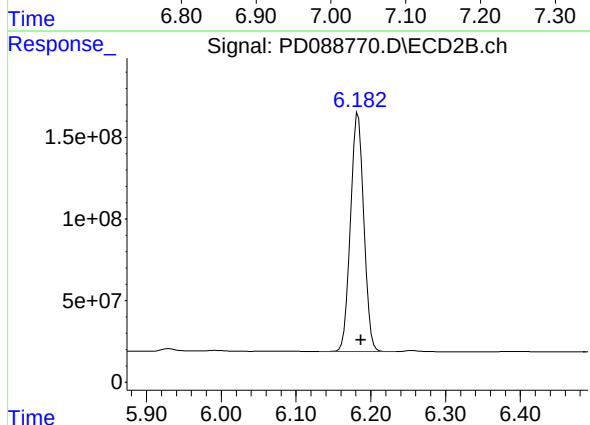
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 341103281
Conc: 109.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

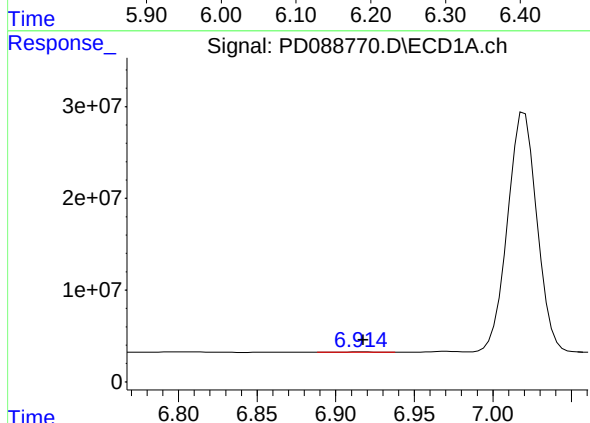
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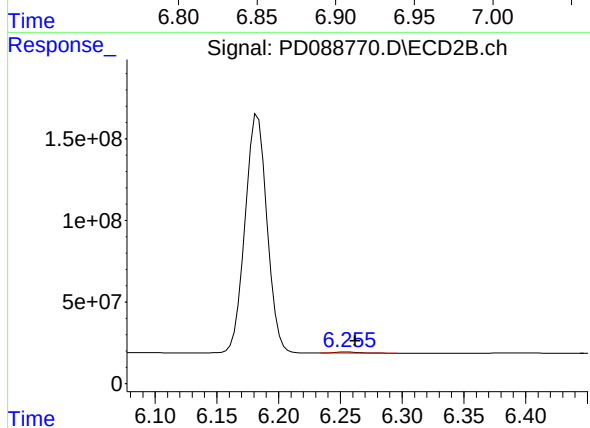
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 1809097053
Conc: 99.74 ng/ml



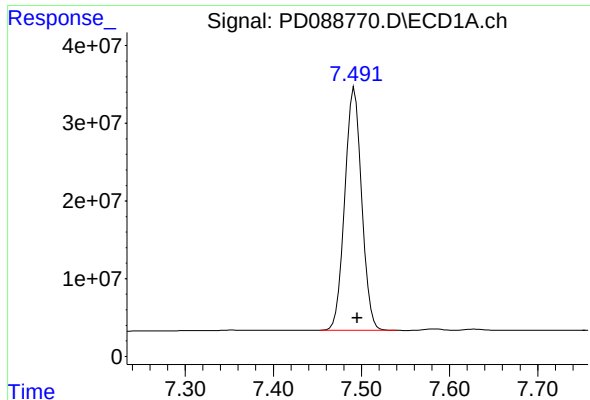
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.003 min
Response: 472934
Conc: 0.18 ng/ml m



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.005 min
Response: 8951728
Conc: 0.64 ng/ml



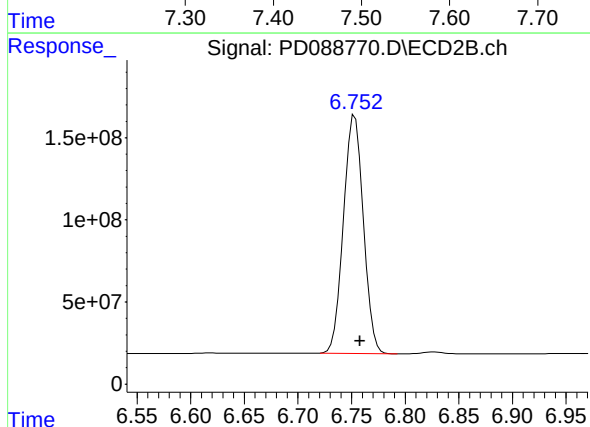
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 416541482
Conc: 249.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

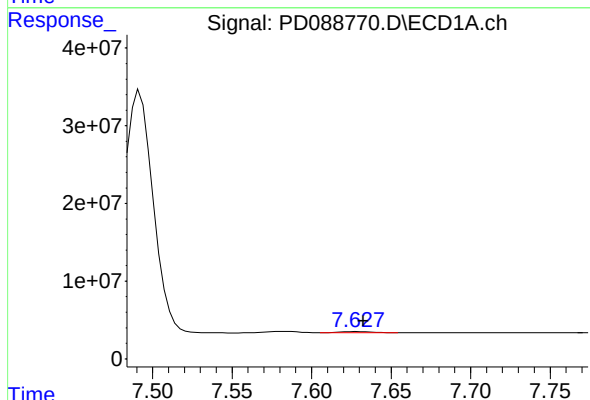
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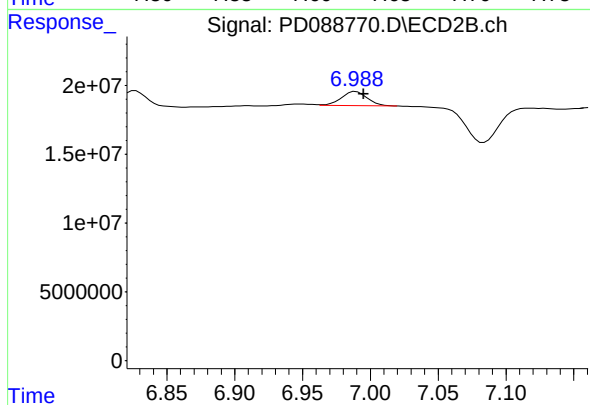
#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 1876225687
Conc: 195.95 ng/ml



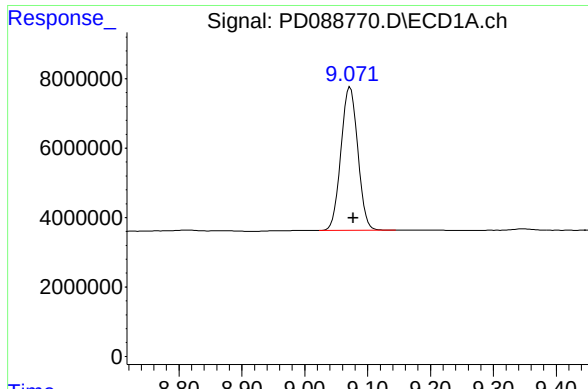
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.005 min
Response: 1920154
Conc: 0.56 ng/ml m



#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: -0.007 min
Response: 13472565
Conc: 0.70 ng/ml m



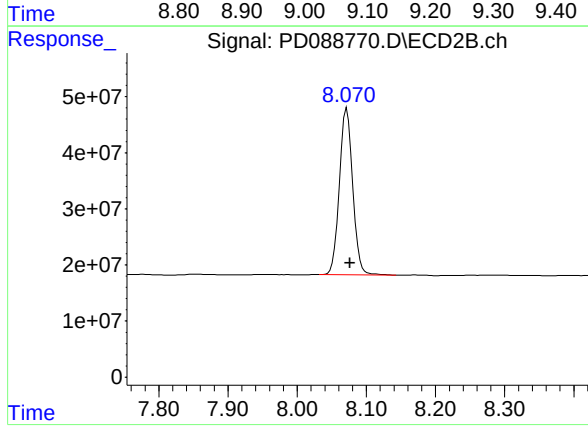
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.005 min
Response: 76789162
Conc: 22.44 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: 396531722
Conc: 21.72 ng/ml