

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042125\
 Data File : PD088147.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Apr 2025 09:21
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/22/2025
 Supervised By :mohammad ahmed 04/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 21 11:14:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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...	3.551	2.882	43851029	320.0E6	21.954	21.887
28)	SA Decachlor...	9.073	8.075	74984728	407.4E6	22.667	22.047
Target Compounds							
2)	A alpha-BHC	4.000	3.395	43375368	263.7E6	10.059	11.537
3)	MA gamma-BHC...	4.331	3.731	43720217	244.7E6	10.441	11.363
6)	B beta-BHC	4.515	4.027	18829791	113.0E6	11.599	12.206
14)	MA Endrin	6.575	5.791	153.4E6	857.1E6	51.423	47.085
16)	A 4,4'-DDD	6.706	5.932	1110057	10181110	0.441	0.621m#
17)	MA 4,4'-DDT	7.022	6.186	305.7E6	1668.1E6	110.075	98.028
18)	B Endrin al...	6.915	6.260	3693568	28532707	1.600	2.145 #
20)	A Methoxychlor	7.493	6.757	393.9E6	1789.1E6	262.668	196.151 #
21)	B Endrin ke...	7.628	6.993	6440353	46897482	2.087m	2.507

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

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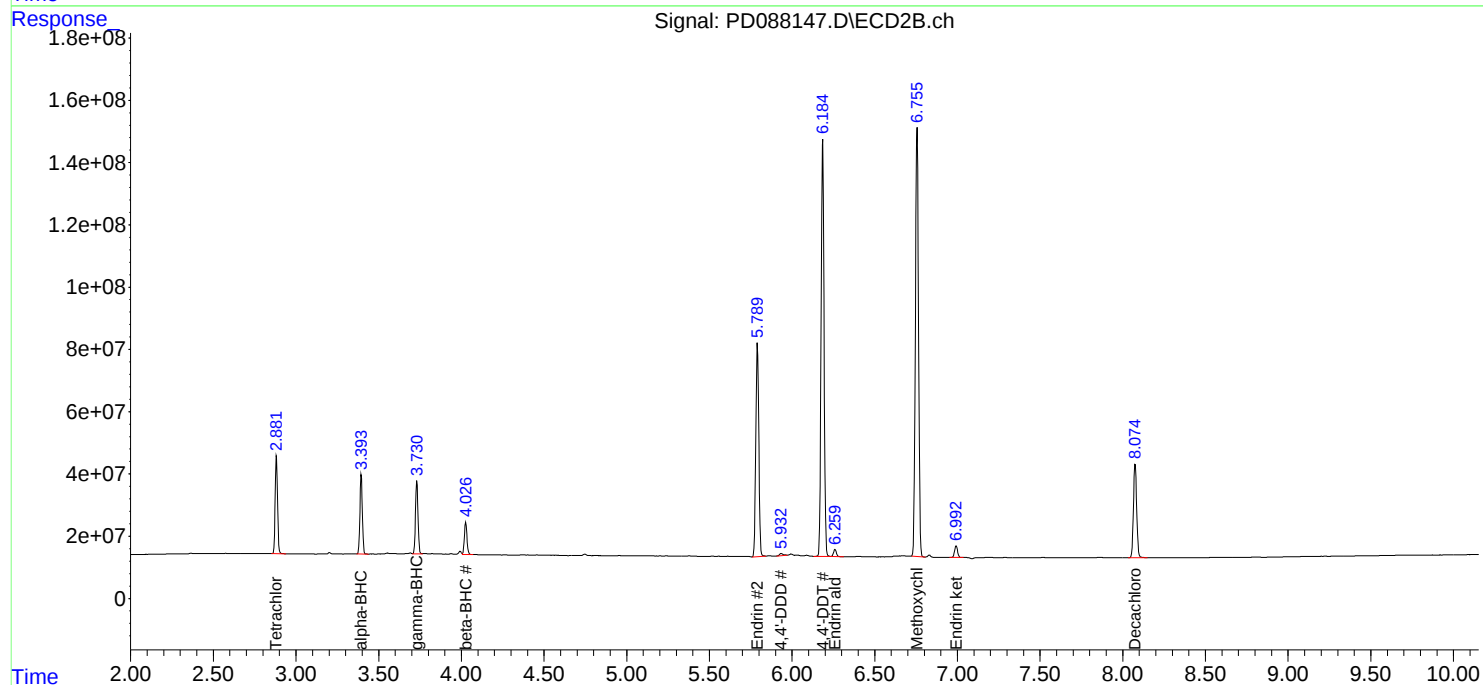
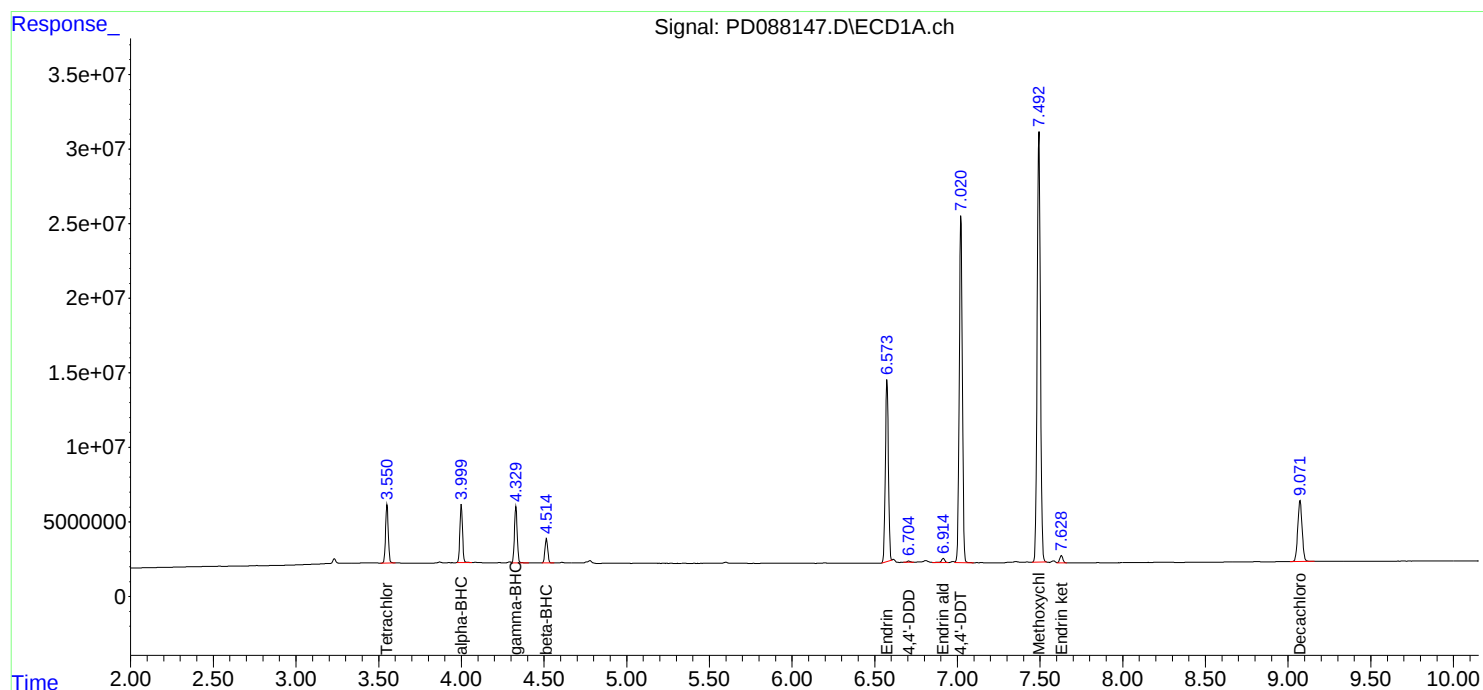
Instrument :
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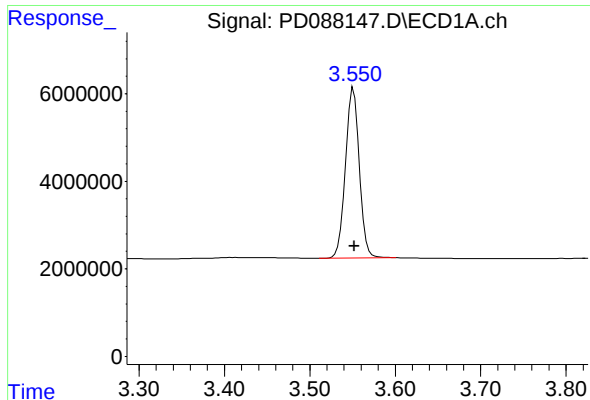
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Integration File signal 1: autoint1.e
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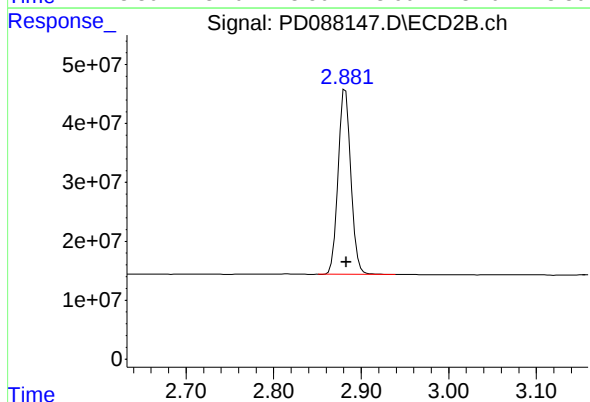
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 43851029
Conc: 21.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

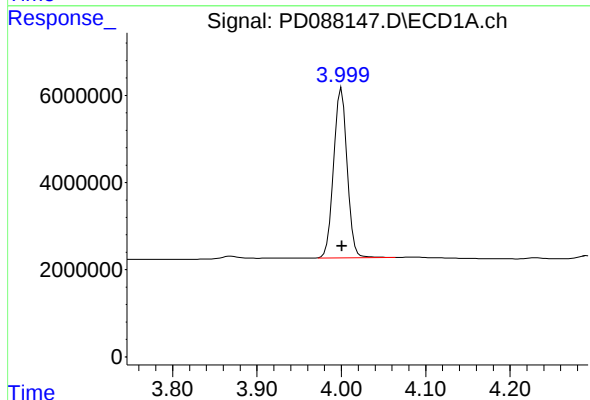
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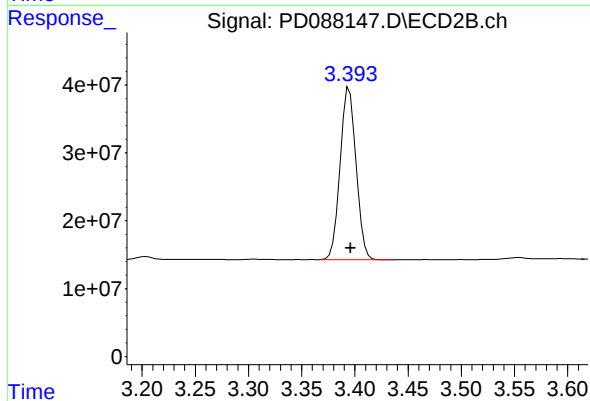
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 320025921
Conc: 21.89 ng/ml



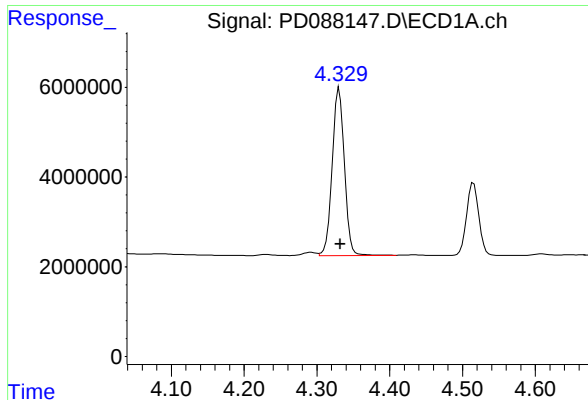
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 43375368
Conc: 10.06 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: -0.001 min
Response: 263745978
Conc: 11.54 ng/ml



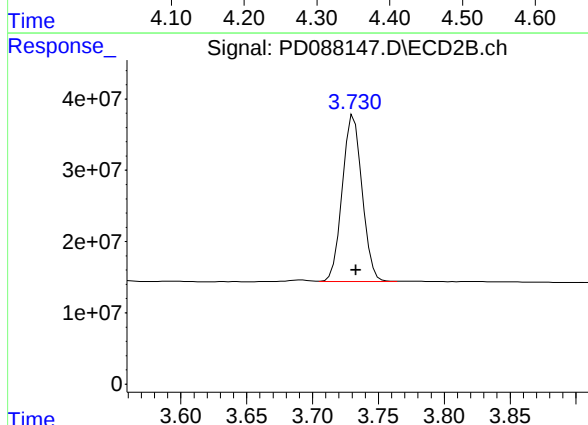
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: -0.001 min
Response: 43720217
Conc: 10.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

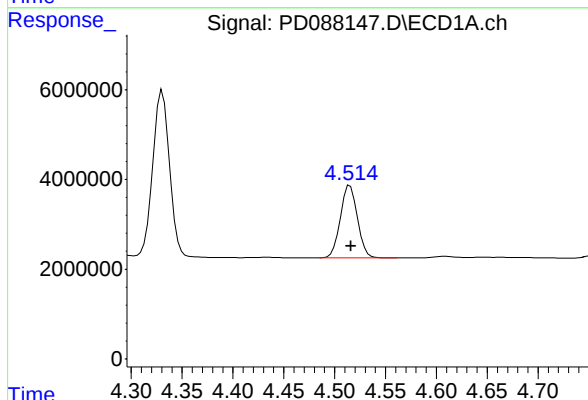
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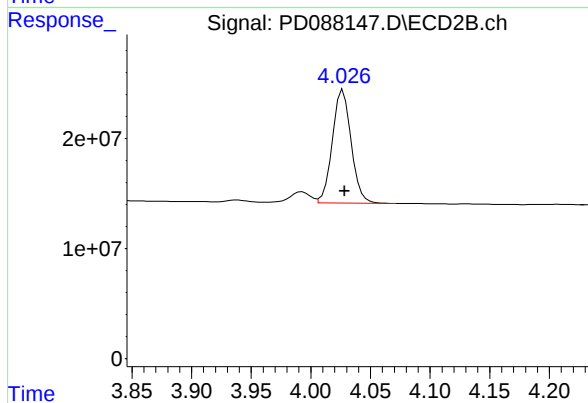
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 244740131
Conc: 11.36 ng/ml



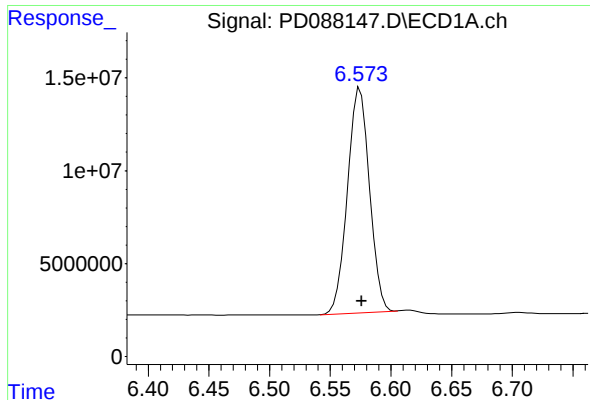
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: -0.001 min
Response: 18829791
Conc: 11.60 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.001 min
Response: 112958242
Conc: 12.21 ng/ml



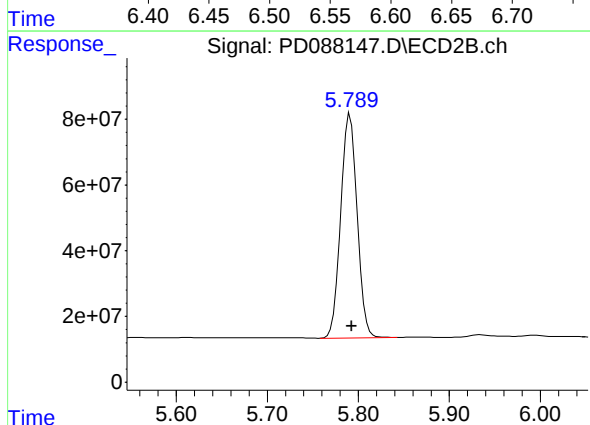
#14 Endrin

R.T.: 6.575 min
Delta R.T.: -0.001 min
Response: 153372466
Conc: 51.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

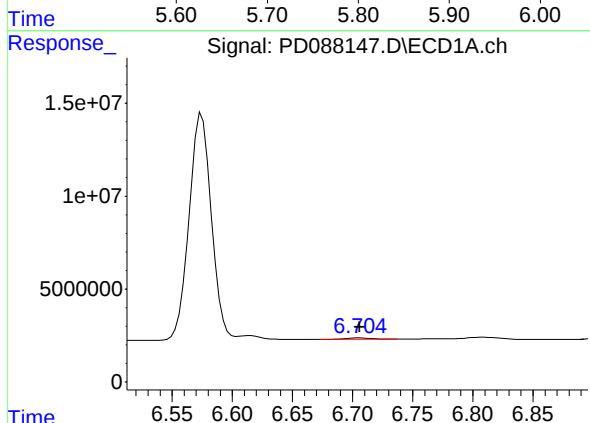
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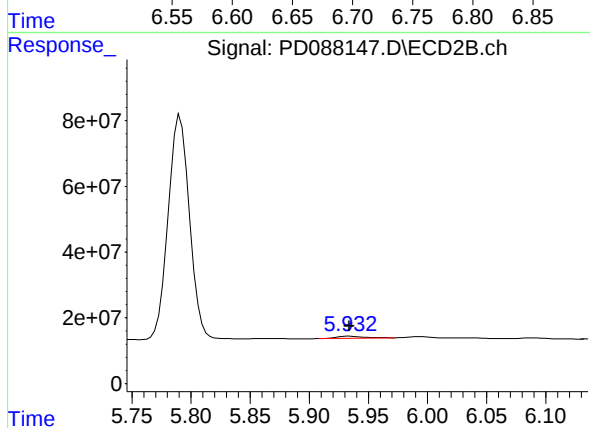
#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 857050052
Conc: 47.08 ng/ml



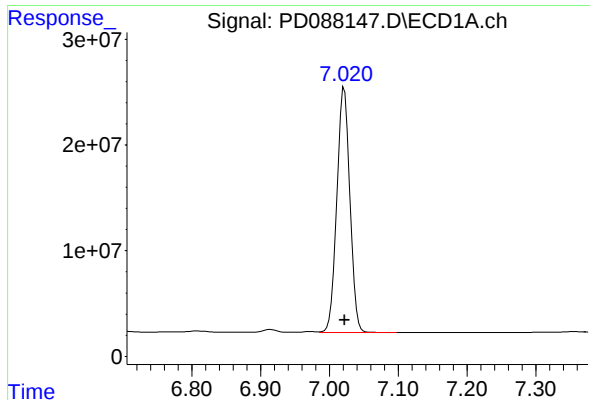
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 1110057
Conc: 0.44 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 10181110
Conc: 0.62 ng/ml m



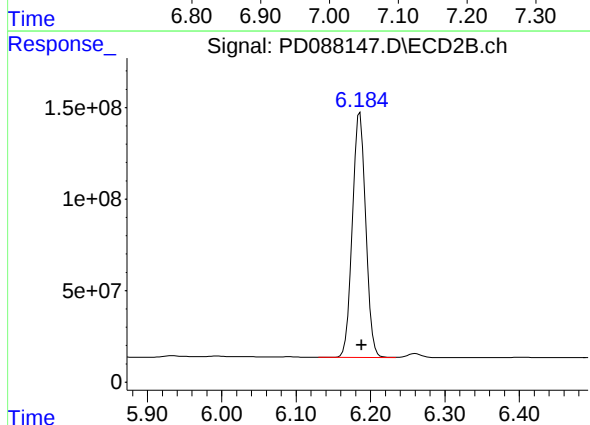
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 305737206
Conc: 110.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

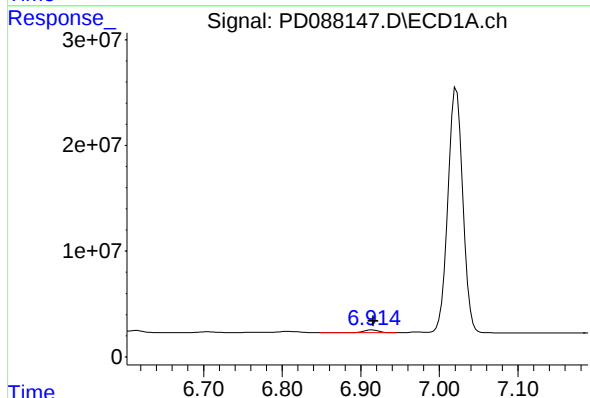
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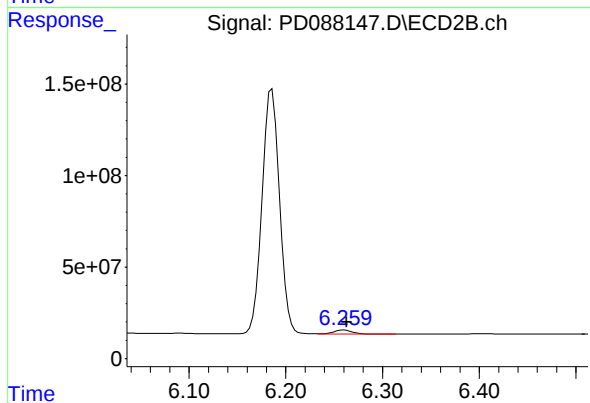
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 1668089018
Conc: 98.03 ng/ml



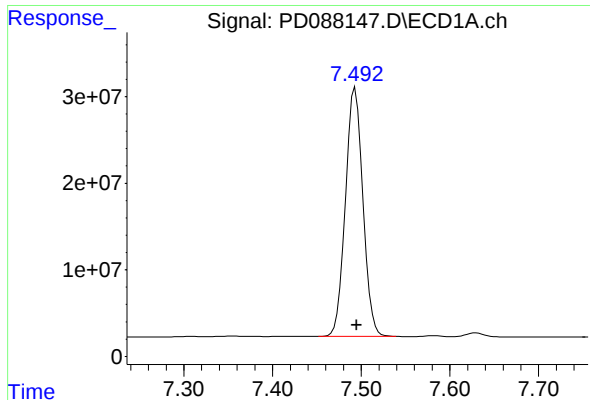
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: -0.001 min
Response: 3693568
Conc: 1.60 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 28532707
Conc: 2.15 ng/ml



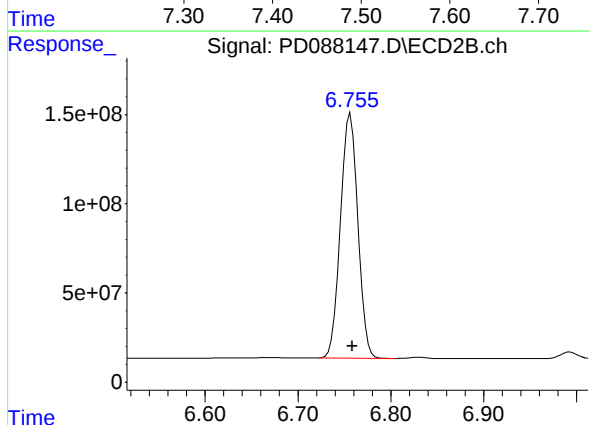
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.001 min
Response: 393881741
Conc: 262.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

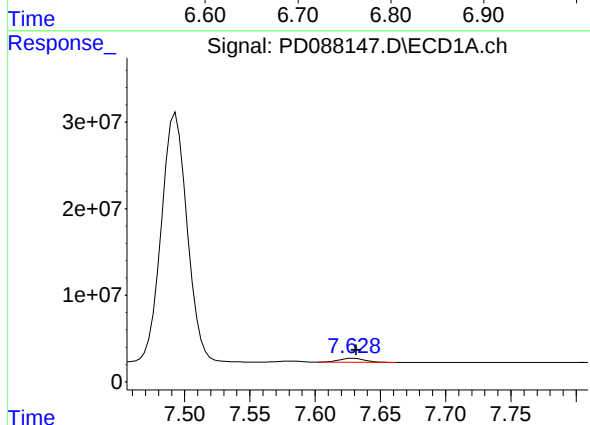
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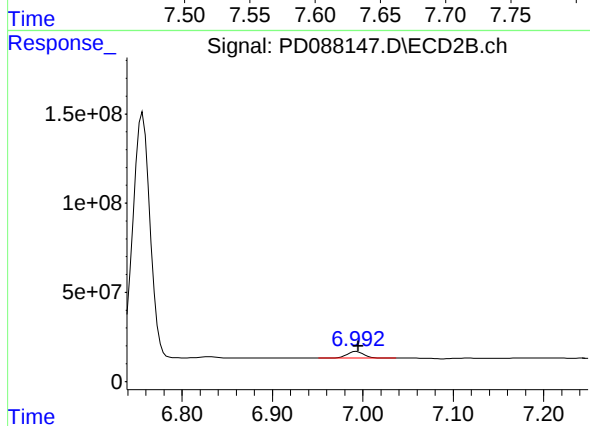
#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.002 min
Response: 1789103064
Conc: 196.15 ng/ml



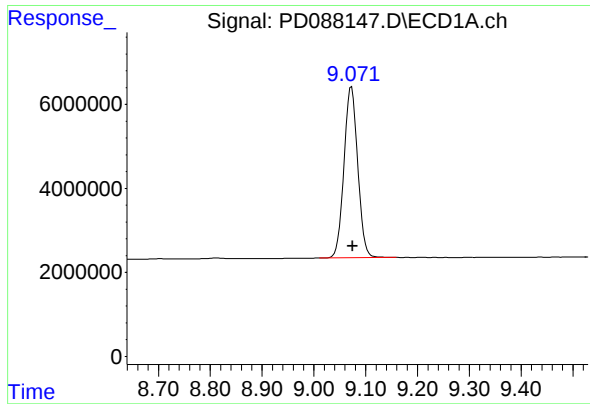
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.004 min
Response: 6440353
Conc: 2.09 ng/ml m



#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 46897482
Conc: 2.51 ng/ml



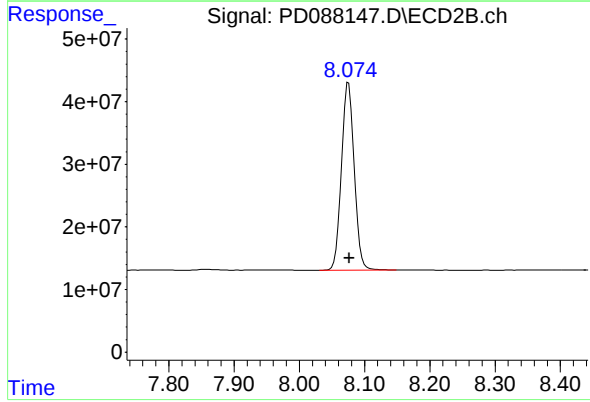
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 74984728
Conc: 22.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 407419601
Conc: 22.05 ng/ml