

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088903.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 08:34
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/12/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 12 07:37:56 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...	3.548	2.879	51357982	318.0E6	23.736	21.022
28) SA Decachlor...	9.071	8.071	75503045	383.6E6	22.062	21.009
Target Compounds						
2) A alpha-BHC	3.998	3.392	48255061	260.1E6	10.102	10.881
3) MA gamma-BHC...	4.329	3.728	47947407	242.8E6	10.417	10.954
6) B beta-BHC	4.514	4.024	20645698	108.6E6	11.450	11.148
14) MA Endrin	6.573	5.788	180.2E6	933.2E6	52.777	48.391
16) A 4,4'-DDD	6.703	5.929	8646382	56738371	3.105	3.262
17) MA 4,4'-DDT	7.020	6.183	312.9E6	1648.4E6	100.233	90.882
18) B Endrin al...	6.916	6.255	1386368	13143210	0.538	0.944m#
20) A Methoxychlor	7.492	6.753	379.9E6	1780.4E6	227.427	185.948
21) B Endrin ke...	7.629	6.990	4413715	38121035	1.289	1.970 #

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

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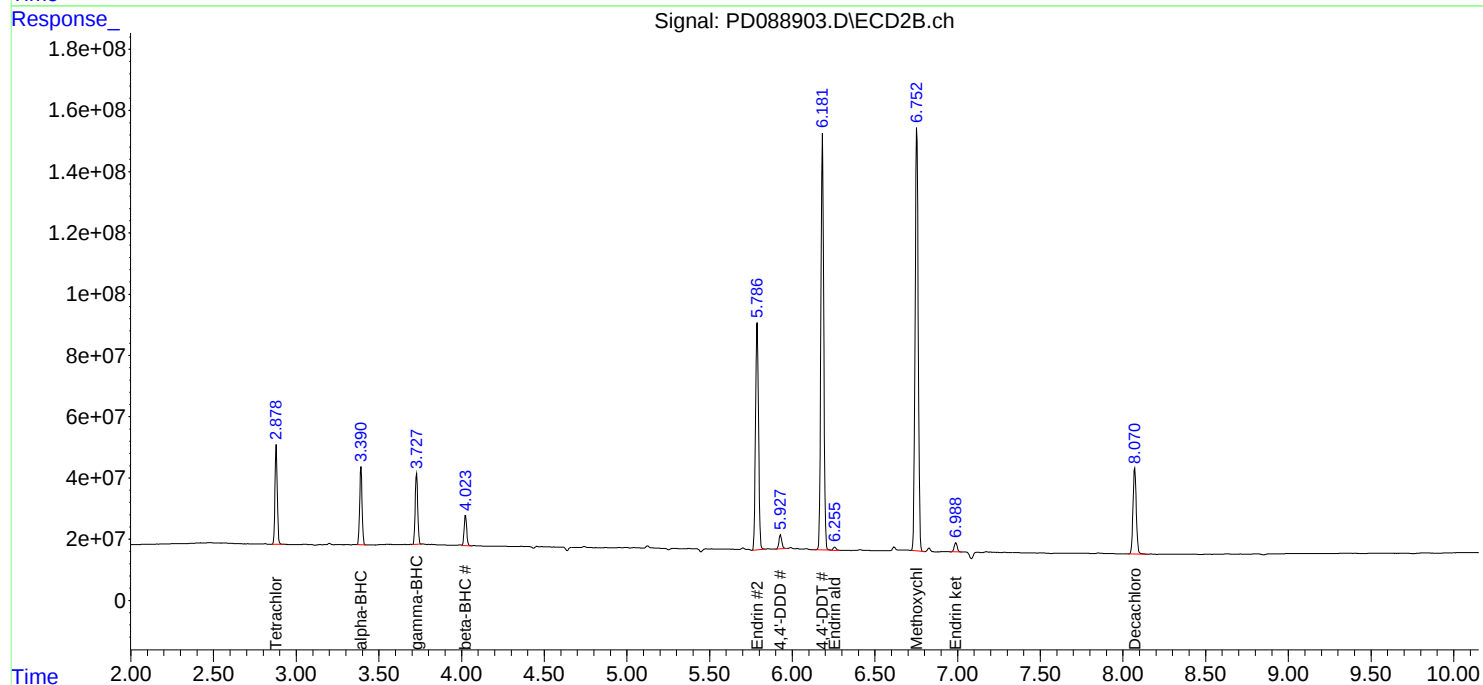
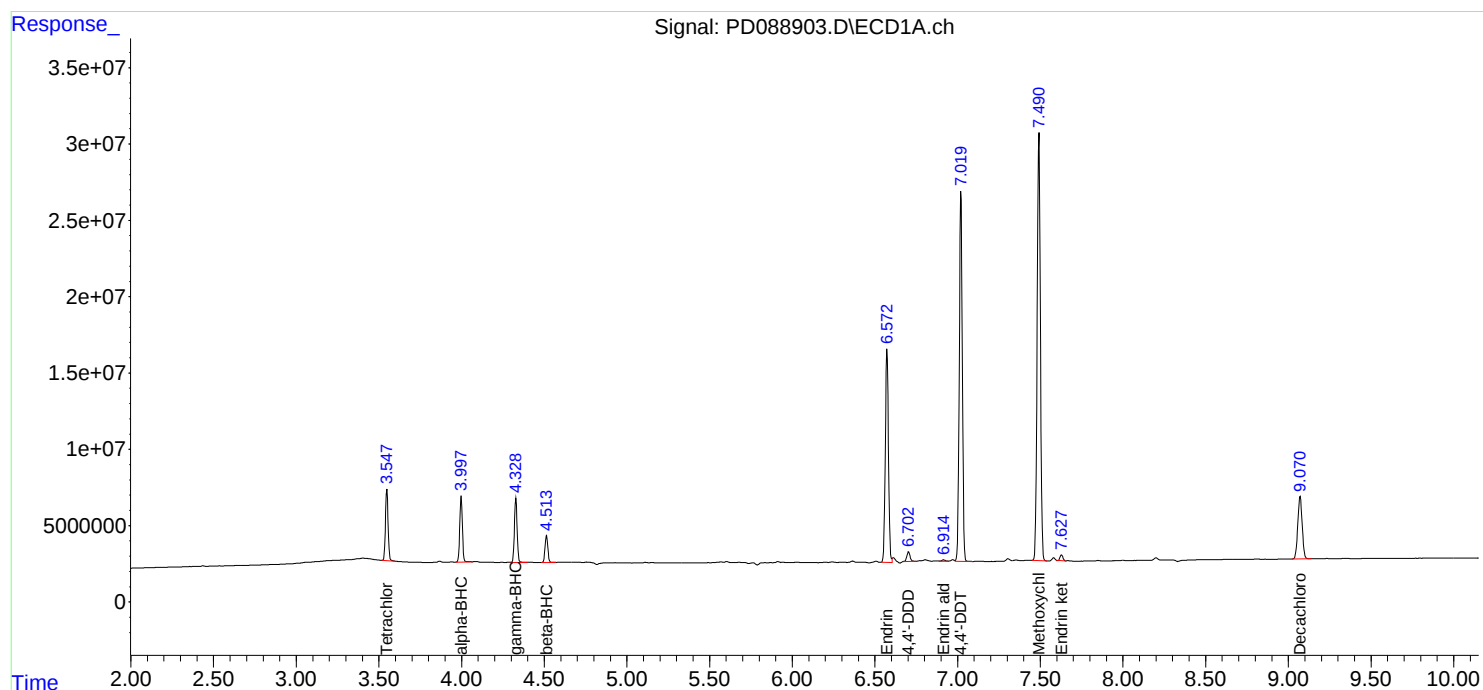
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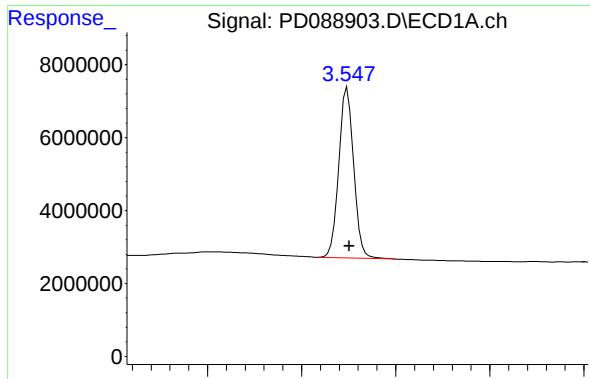
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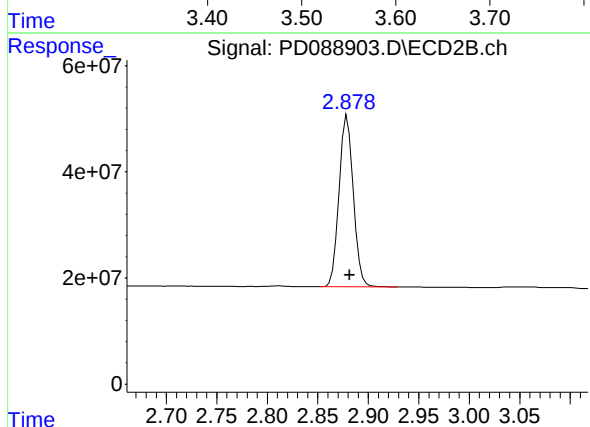
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 51357982
Conc: 23.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

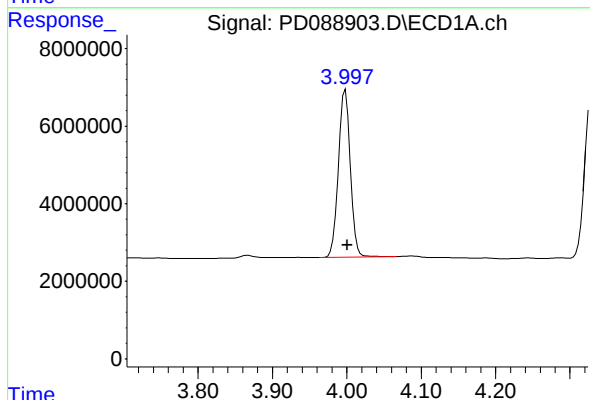
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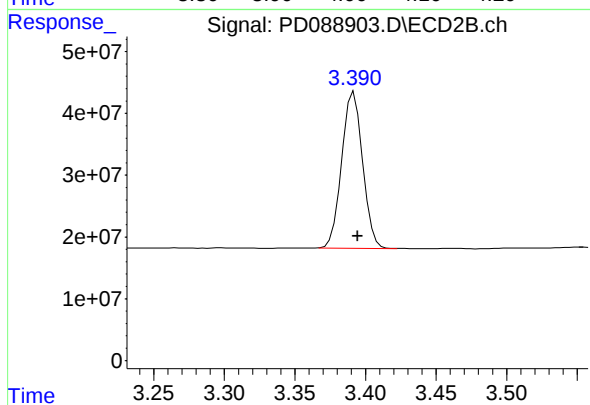
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 318003496
Conc: 21.02 ng/ml



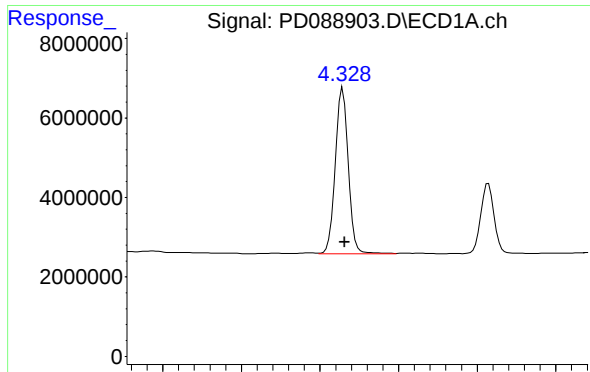
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 48255061
Conc: 10.10 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.003 min
Response: 260103330
Conc: 10.88 ng/ml



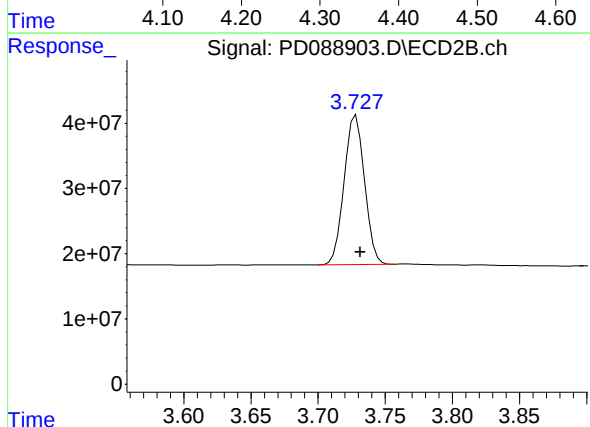
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 47947407
Conc: 10.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

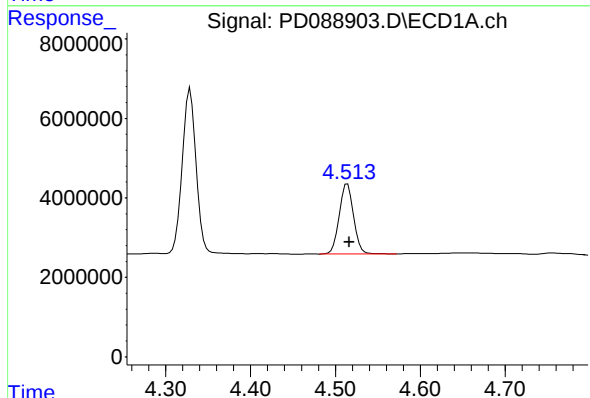
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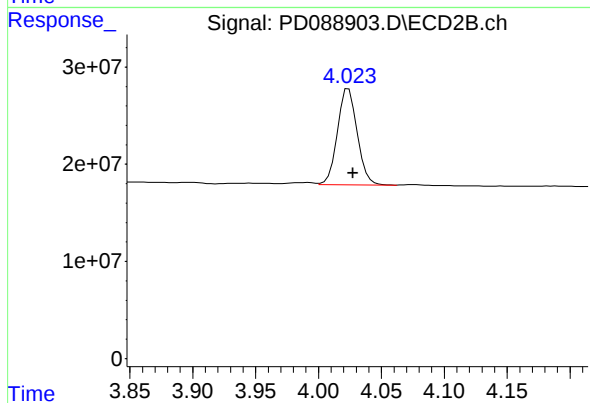
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.003 min
Response: 242807014
Conc: 10.95 ng/ml



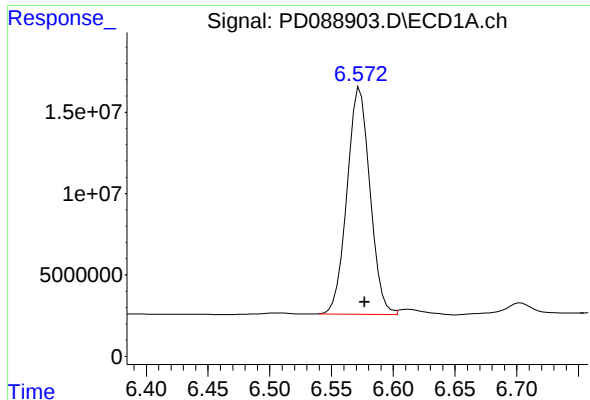
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20645698
Conc: 11.45 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 108601968
Conc: 11.15 ng/ml



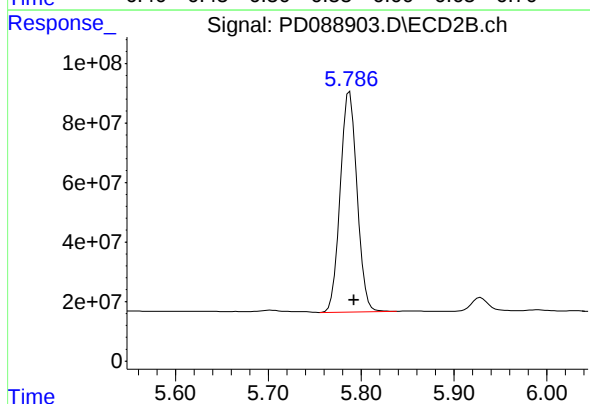
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.003 min
Response: 180242853
Conc: 52.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

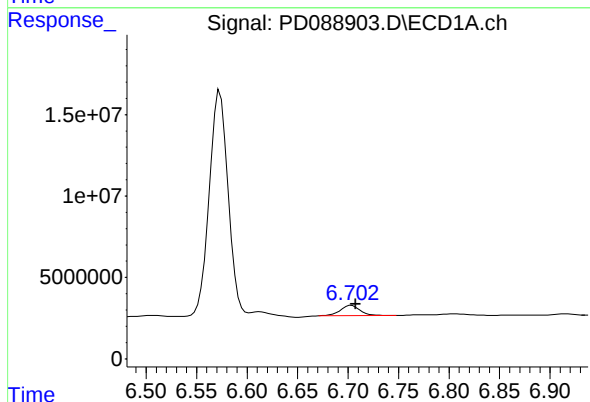
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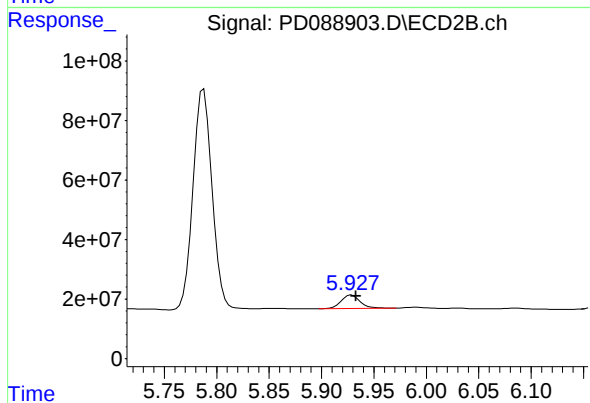
#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.005 min
Response: 933166777
Conc: 48.39 ng/ml



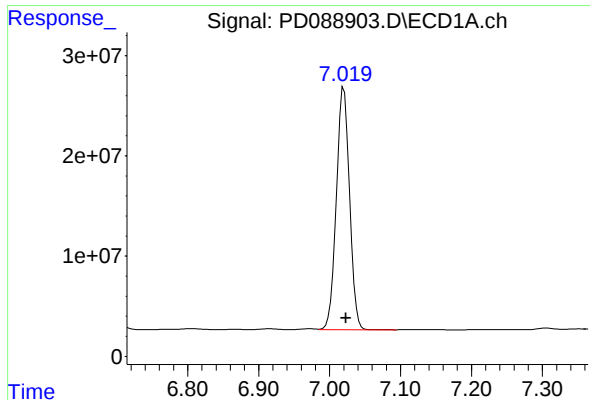
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.004 min
Response: 8646382
Conc: 3.10 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.004 min
Response: 56738371
Conc: 3.26 ng/ml



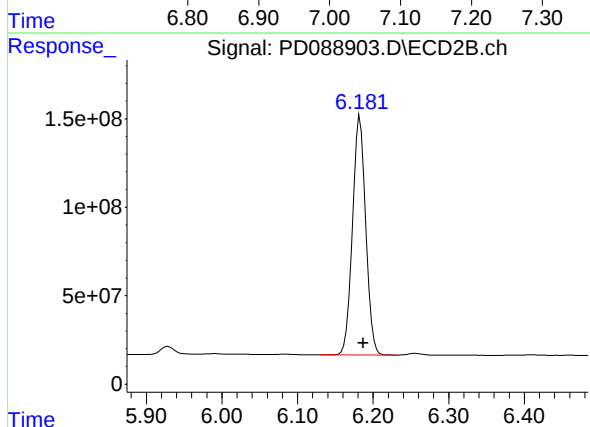
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 312932038
Conc: 100.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

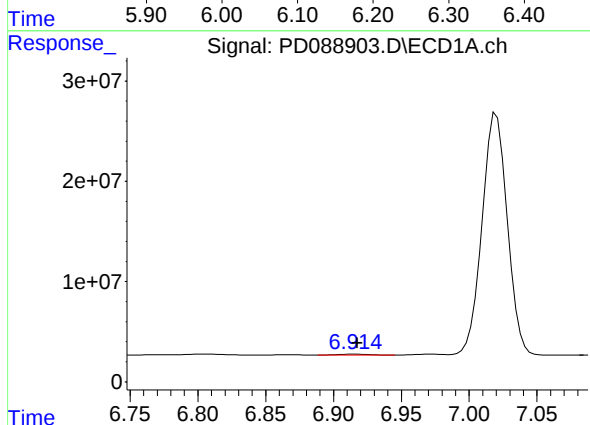
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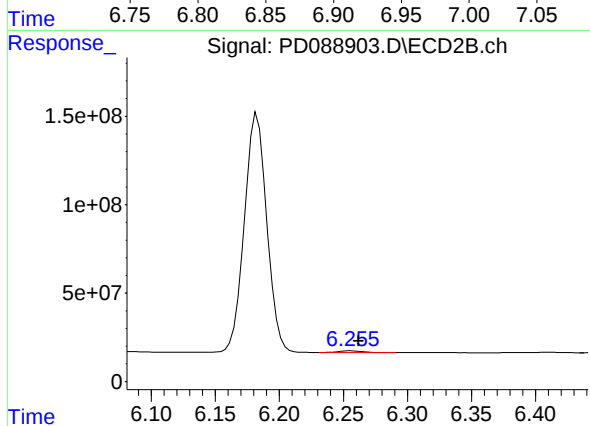
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 1648355674
Conc: 90.88 ng/ml



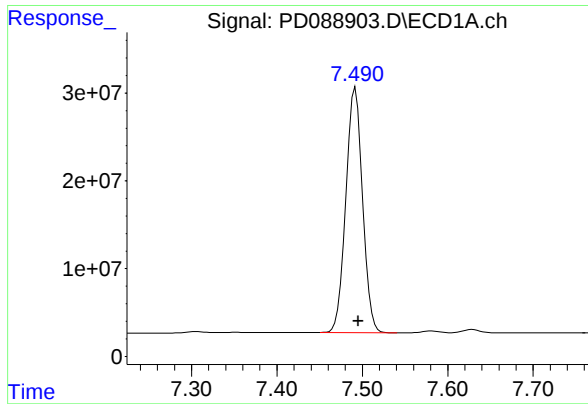
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: -0.002 min
Response: 1386368
Conc: 0.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: -0.007 min
Response: 13143210
Conc: 0.94 ng/ml m



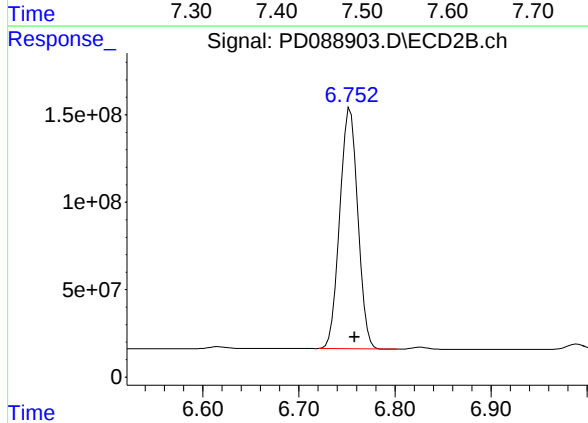
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 379928693
Conc: 227.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

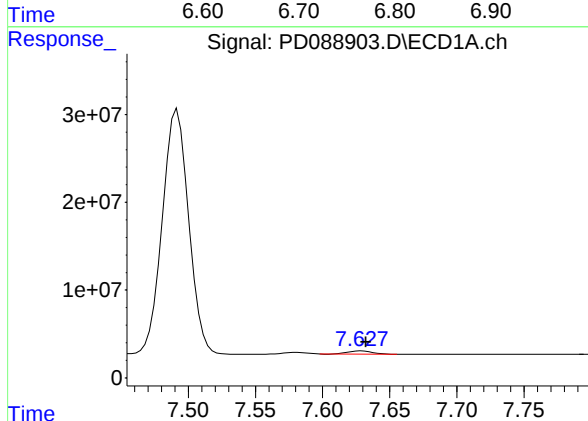
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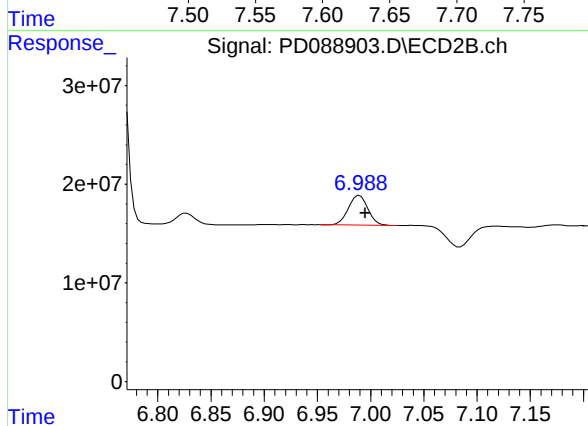
#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 1780410574
Conc: 185.95 ng/ml



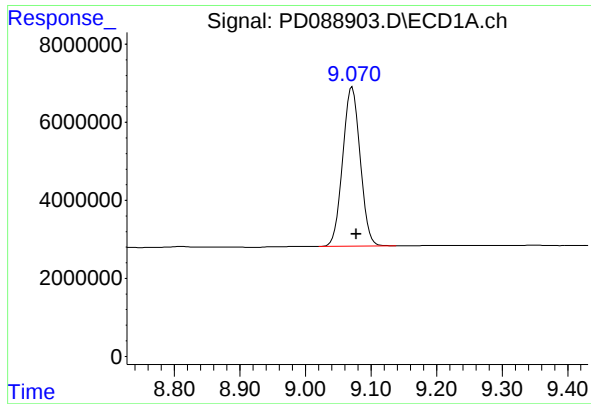
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.004 min
Response: 4413715
Conc: 1.29 ng/ml



#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 38121035
Conc: 1.97 ng/ml



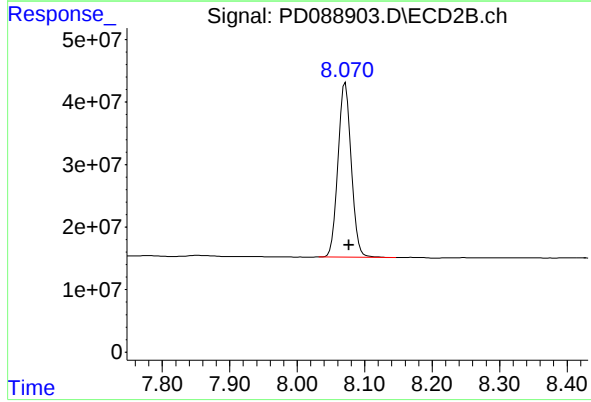
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.006 min
Response: 75503045
Conc: 22.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.005 min
Response: 383553543
Conc: 21.01 ng/ml