

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
 Data File : PD089096.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jun 2025 09:35
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/25/2025
 Supervised By :mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 25 01:50:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.550	2.880	54996393	340.4E6	19.276	20.078
28)	SA Decachlor...	9.071	8.070	75083631	371.0E6	19.117	18.764
Target Compounds							
2)	A alpha-BHC	3.999	3.392	51722290	276.7E6	8.873	10.325
3)	MA gamma-BHC...	4.330	3.729	51523285	257.0E6	9.231	10.381
6)	B beta-BHC	4.516	4.024	21724362	113.0E6	9.843	10.519
12)	B 4,4'-DDE	6.195	5.374	745830	2385190	0.171m	0.104m#
14)	MA Endrin	6.573	5.787	188.1E6	966.2E6	45.596	44.496
16)	A 4,4'-DDD	6.704	5.928	7415592	47098132	2.161	2.462
17)	MA 4,4'-DDT	7.020	6.182	326.4E6	1696.9E6	86.174	83.674
18)	B Endrin al...	6.915	6.256	1800793	14419860	0.588	0.942 #
20)	A Methoxychlor	7.492	6.752	385.1E6	1763.4E6	190.580	163.758
21)	B Endrin ke...	7.627	6.988	4799245	37454433	1.178m	1.734 #

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

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Data File : PD089096.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2025 09:35
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

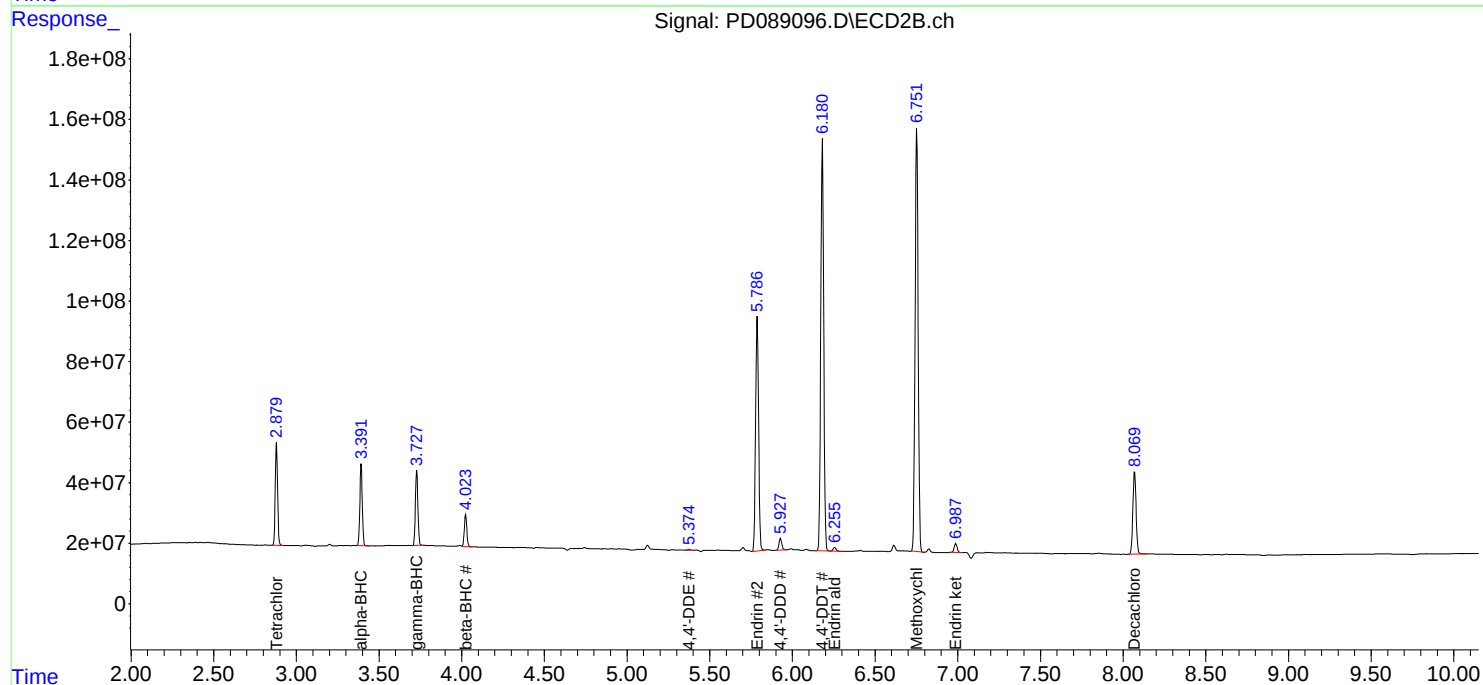
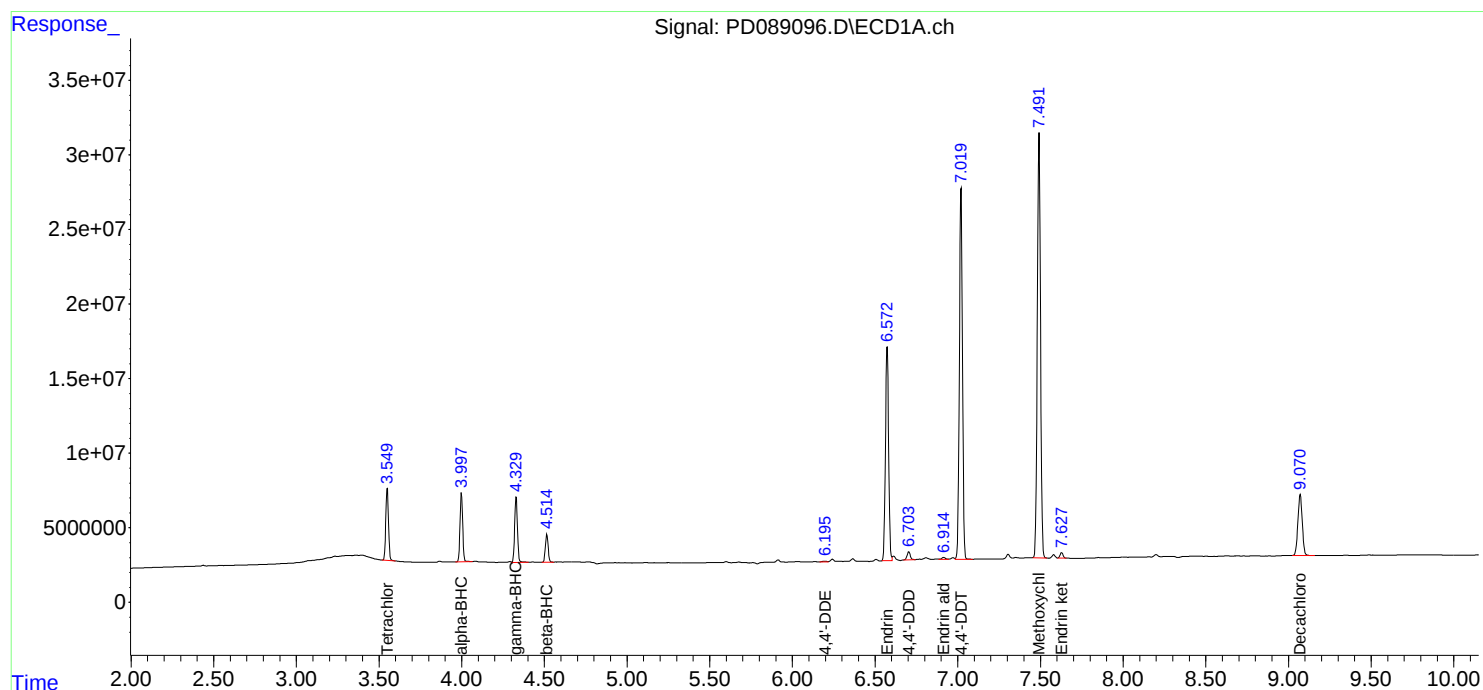
Instrument :
ECD_D
ClientSampleId :
PEM

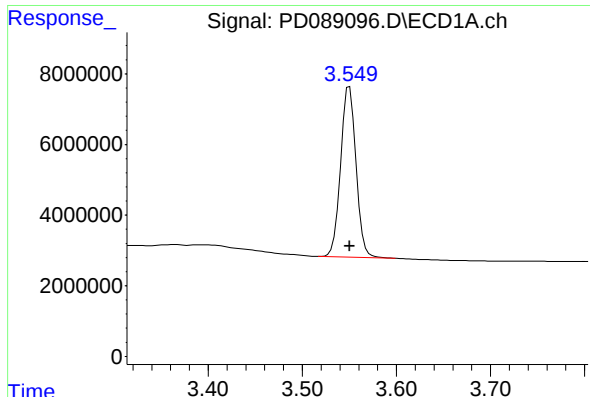
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





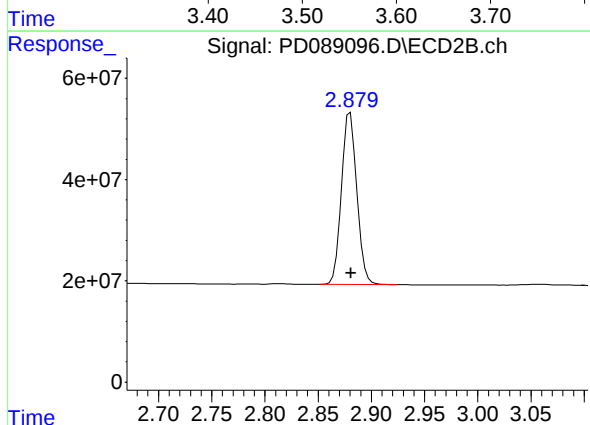
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 54996393
Conc: 19.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

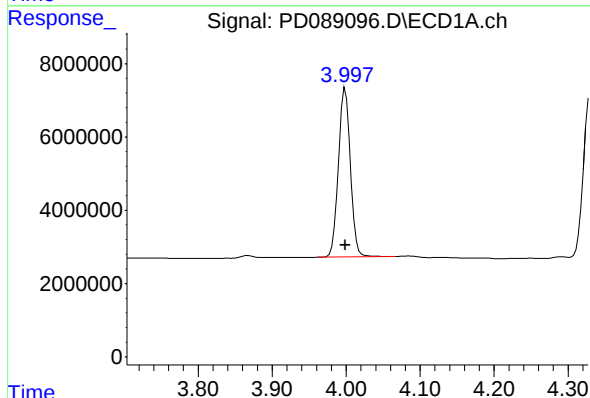
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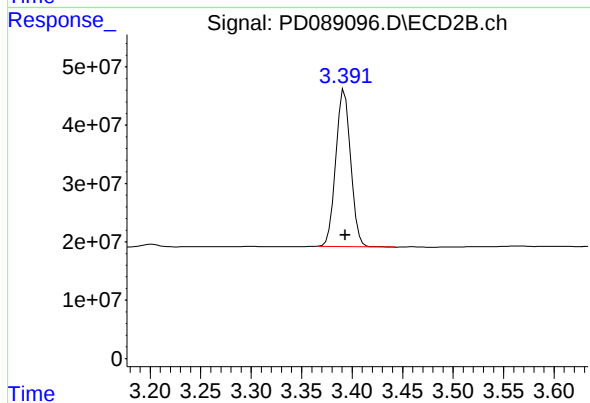
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 340383240
Conc: 20.08 ng/ml



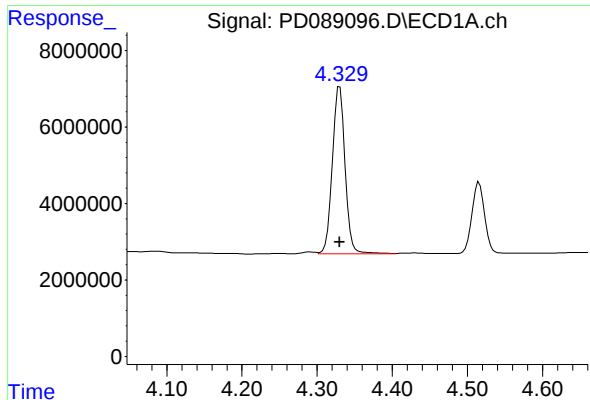
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 51722290
Conc: 8.87 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 276673247
Conc: 10.32 ng/ml



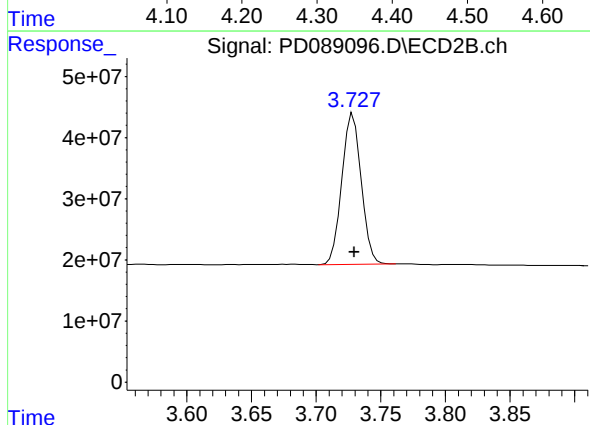
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 51523285
Conc: 9.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

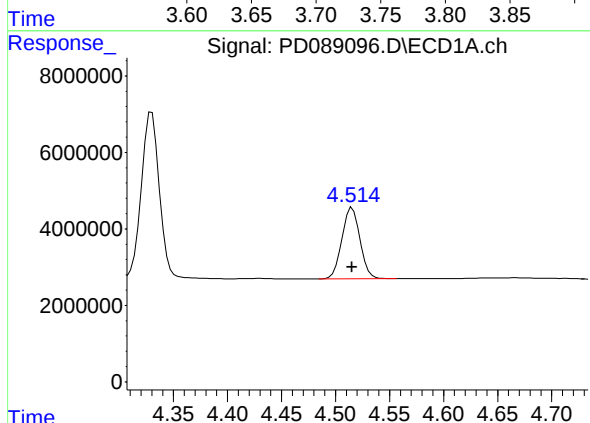
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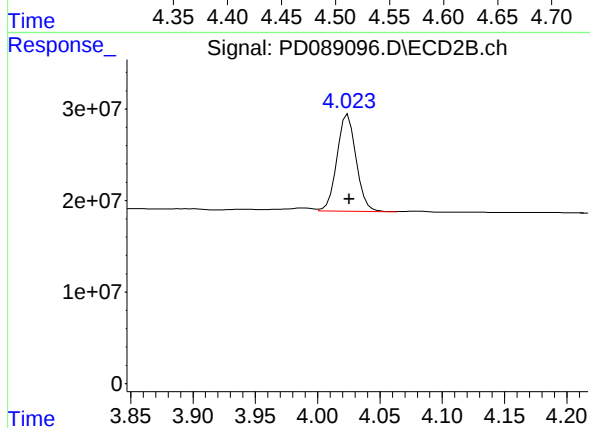
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 257008981
Conc: 10.38 ng/ml



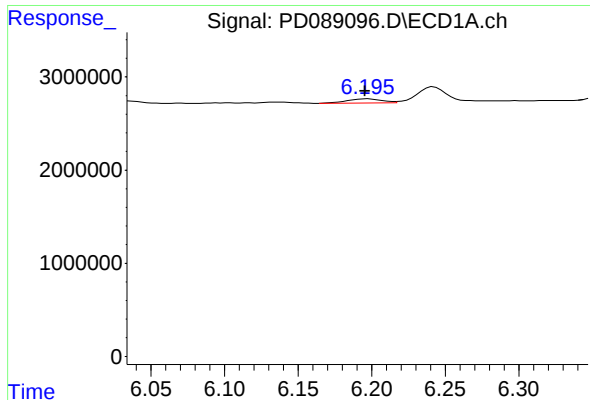
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 21724362
Conc: 9.84 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 113035371
Conc: 10.52 ng/ml



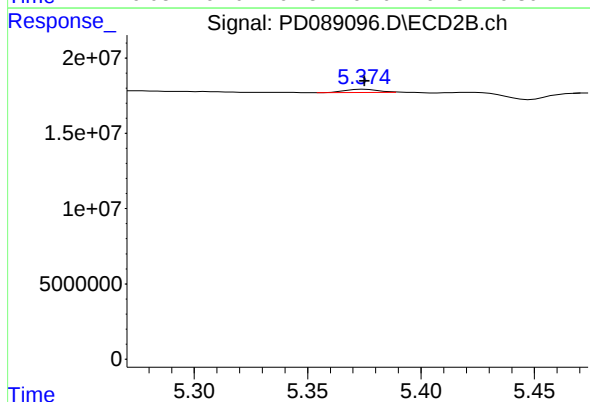
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 745830
Conc: 0.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

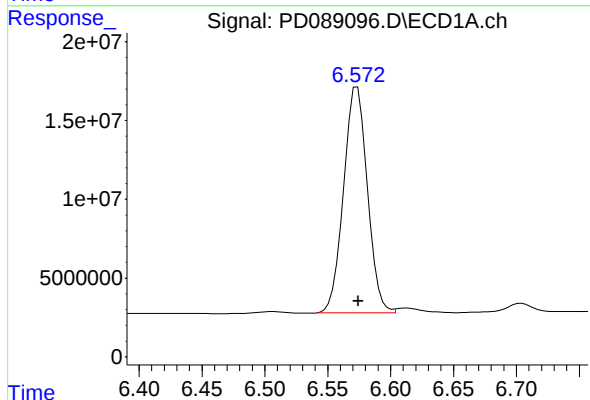
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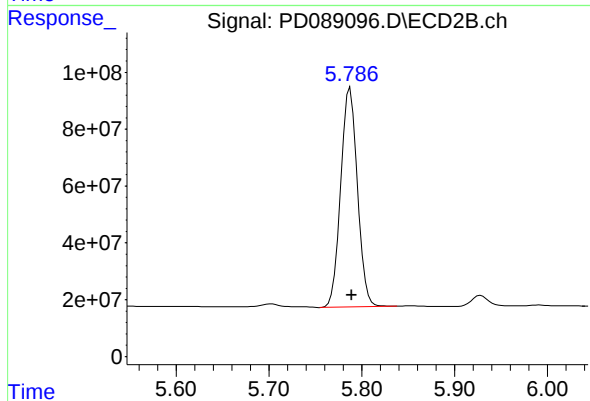
#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: -0.001 min
Response: 2385190
Conc: 0.10 ng/ml



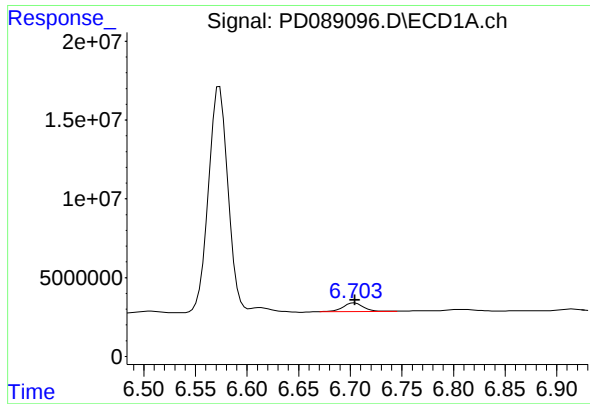
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.000 min
Response: 188110937
Conc: 45.60 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 966173539
Conc: 44.50 ng/ml



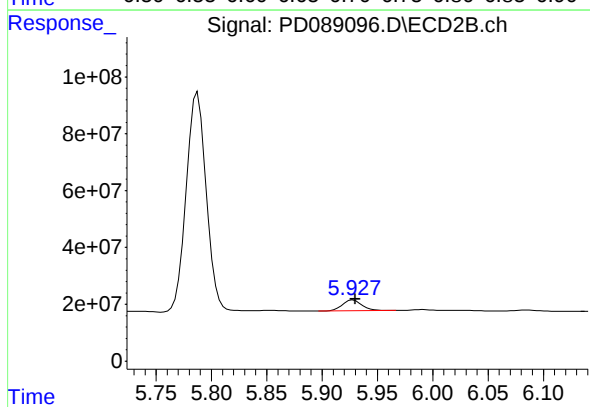
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 7415592
Conc: 2.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

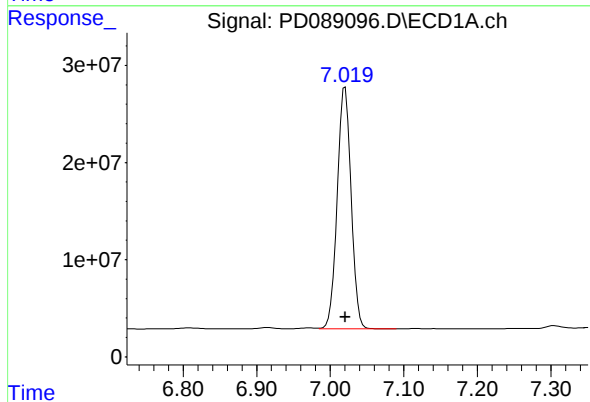
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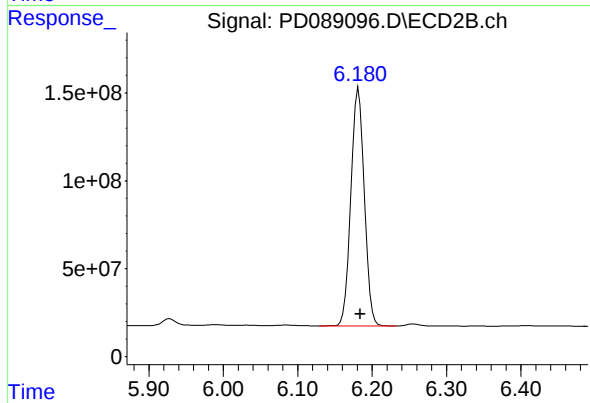
#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 47098132
Conc: 2.46 ng/ml



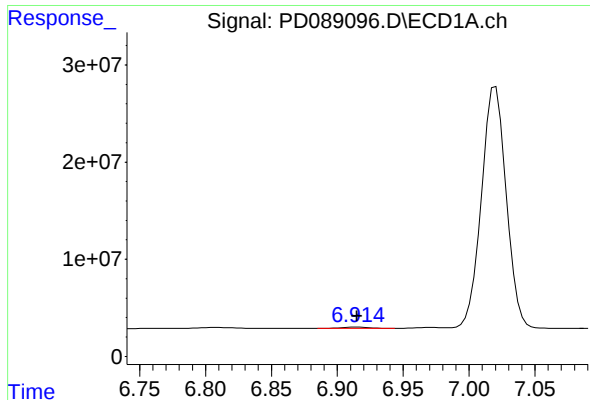
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 326443087
Conc: 86.17 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1696857190
Conc: 83.67 ng/ml



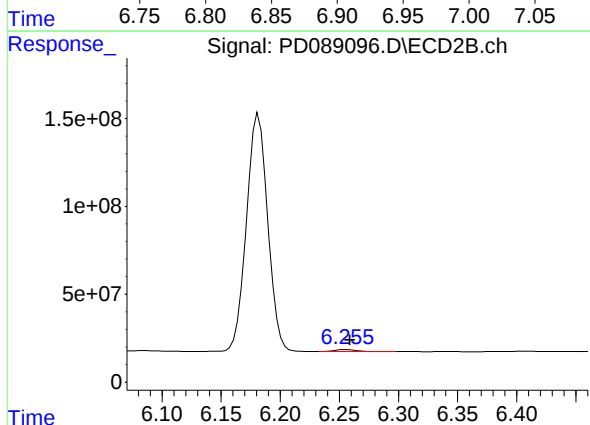
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 1800793
Conc: 0.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

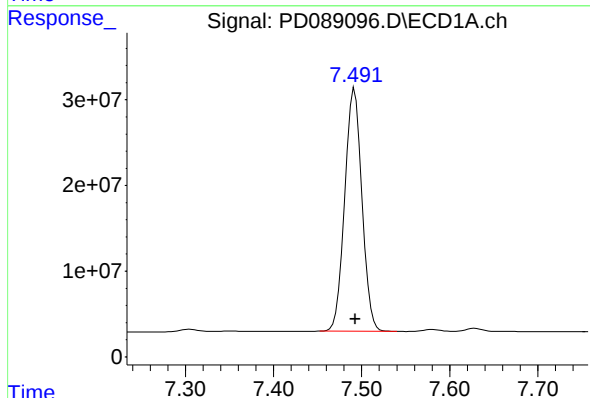
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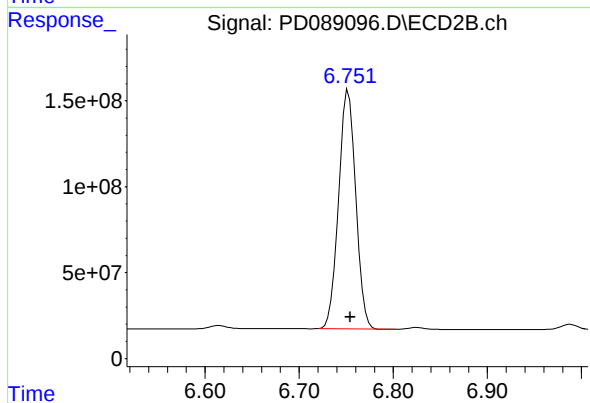
#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 14419860
Conc: 0.94 ng/ml



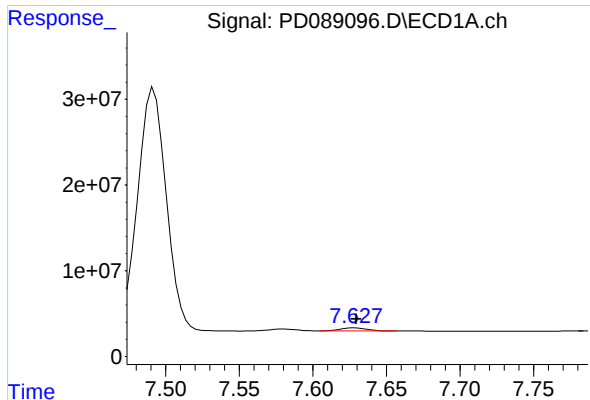
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 385091661
Conc: 190.58 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 1763355175
Conc: 163.76 ng/ml



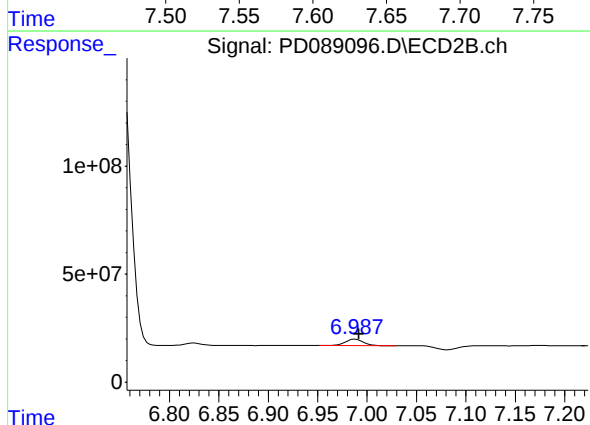
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 4799245
Conc: 1.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

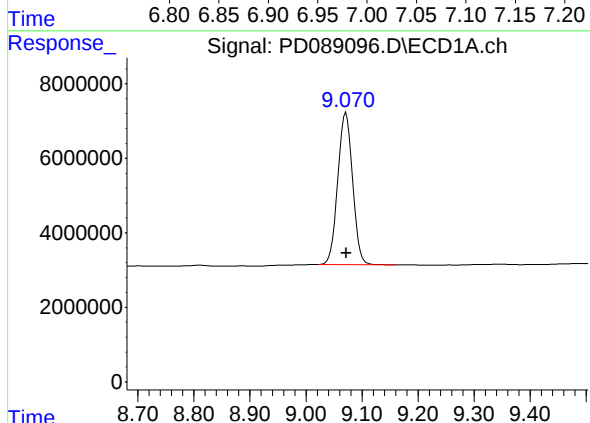
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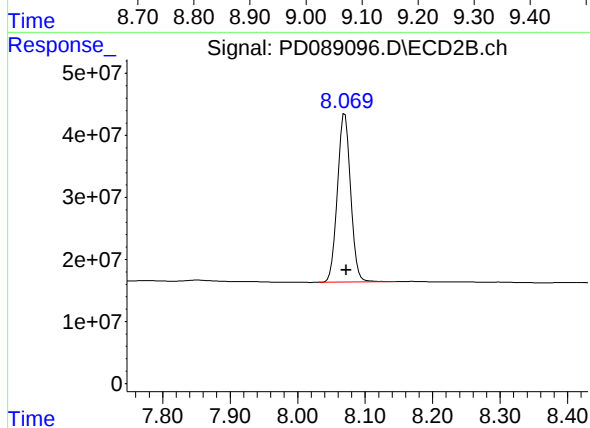
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 37454433
Conc: 1.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 75083631
Conc: 19.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 370969413
Conc: 18.76 ng/ml