

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071625\
 Data File : PD089495.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Jul 2025 10:51
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 17 01:41:42 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...	3.554	2.877	57381650	376.7E6	20.112	22.222m
28)	SA Decachlor...	9.075	8.070	76778177	426.1E6	19.548	21.550
Target Compounds							
2)	A alpha-BHC	4.003	3.391	54998288	317.9E6	9.435	11.863 #
3)	MA gamma-BHC...	4.334	3.728	54400363	284.5E6	9.746	11.493
6)	B beta-BHC	4.520	4.024	23388992	126.4E6	10.597	11.763
12)	B 4,4'-DDE	6.199	5.374	711810	4520018	0.163m	0.197
14)	MA Endrin	6.577	5.787	190.2E6	1023.6E6	46.100	47.140
16)	A 4,4'-DDD	6.708	5.927	18083177	121.4E6	5.269	6.344
17)	MA 4,4'-DDT	7.024	6.182	324.9E6	1796.0E6	85.757	88.563
18)	B Endrin al...	6.918	6.256	2543572	21372026	0.830	1.396 #
20)	A Methoxychlor	7.496	6.752	392.1E6	1796.6E6	194.044	166.845
21)	B Endrin ke...	7.632	6.988	10503945	82474027	2.579m	3.818 #

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

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Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

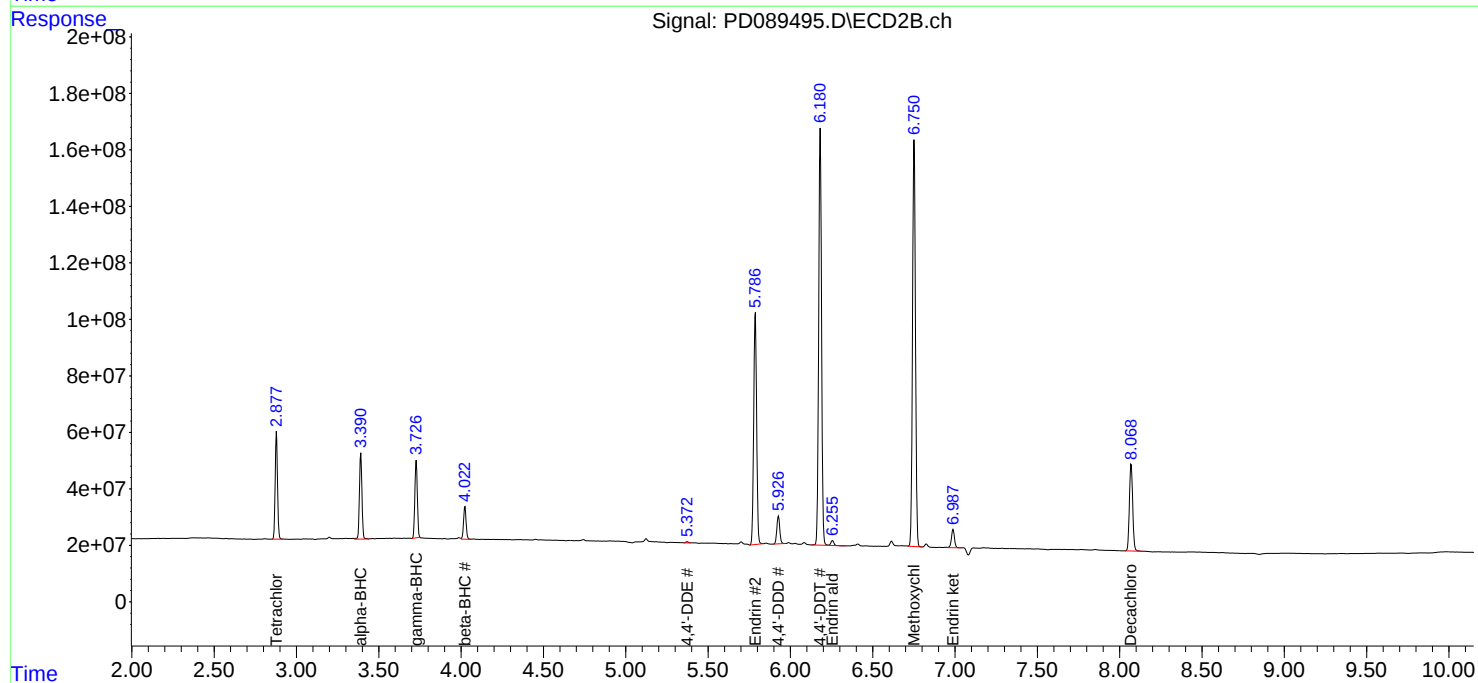
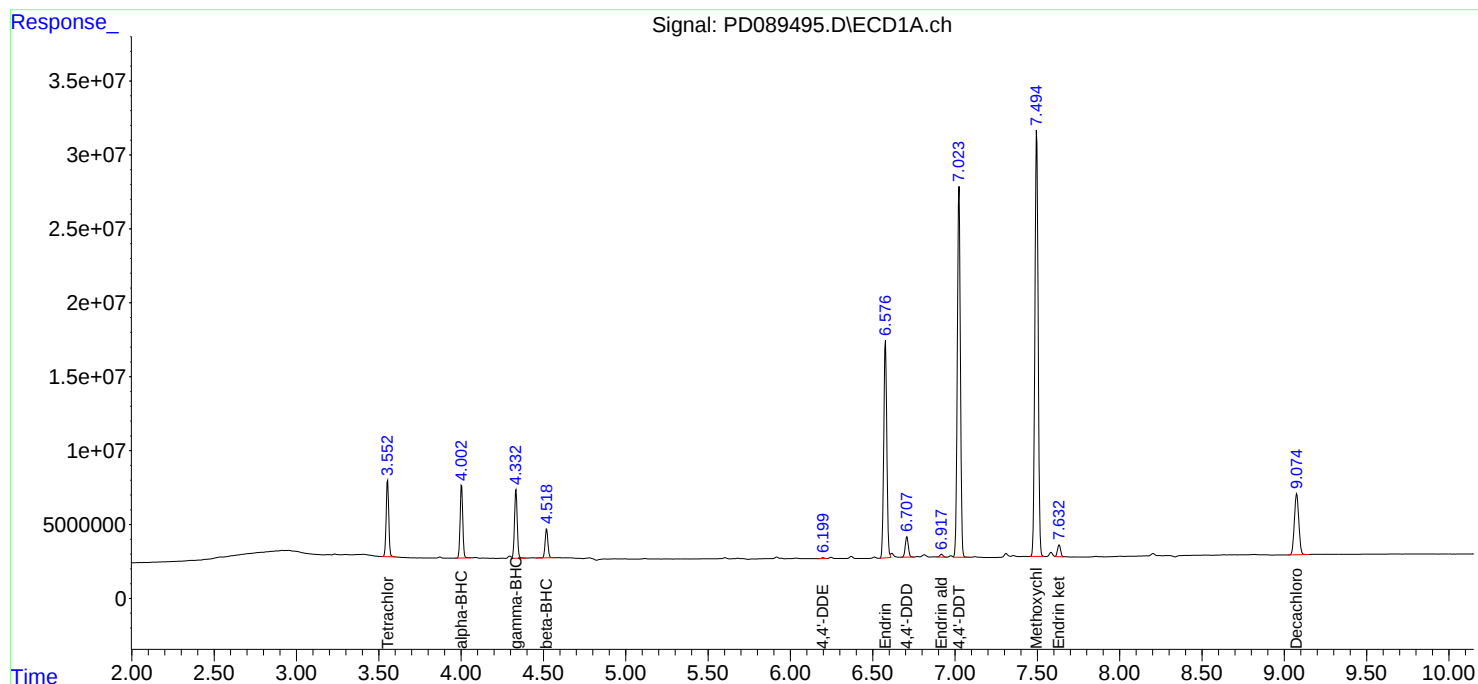
Instrument :
ECD_D
ClientSampleId :
PEM

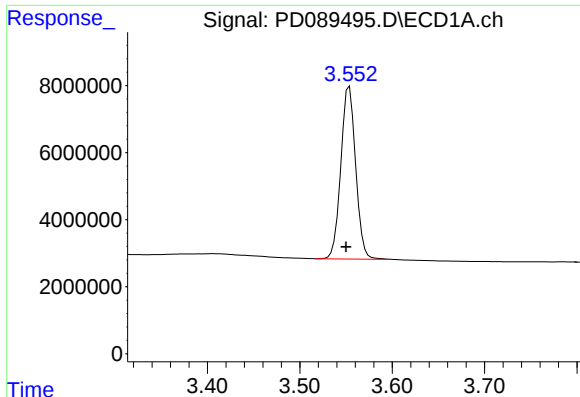
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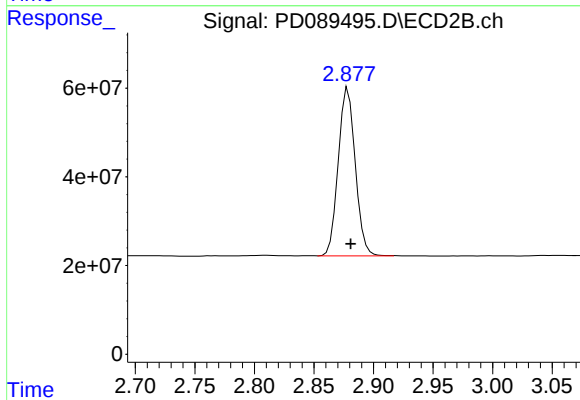
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.004 min
Response: 57381650
Conc: 20.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

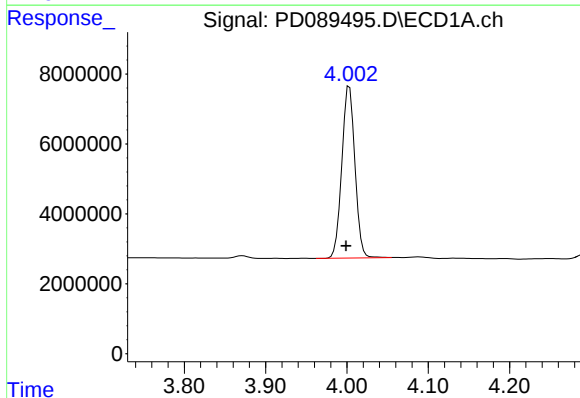
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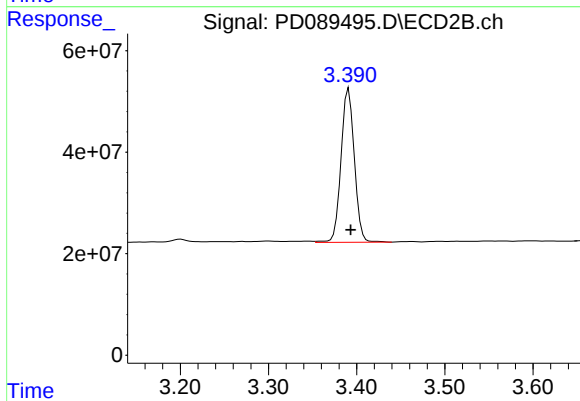
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.004 min
Response: 376726551
Conc: 22.22 ng/ml m



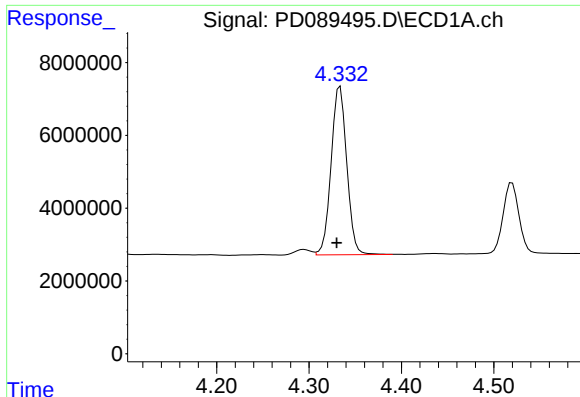
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.004 min
Response: 54998288
Conc: 9.44 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 317899289
Conc: 11.86 ng/ml



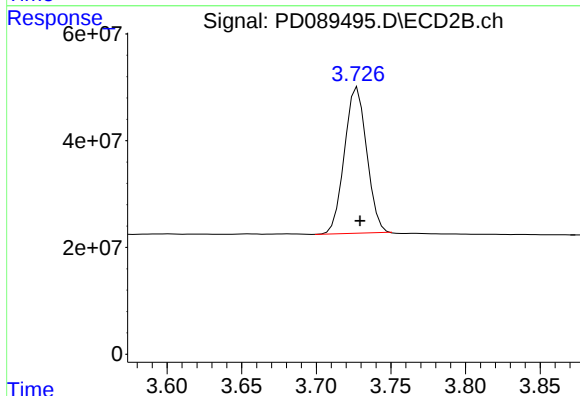
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.004 min
Response: 54400363
Conc: 9.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

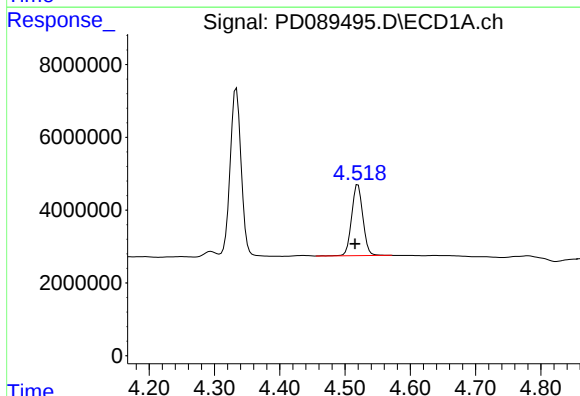
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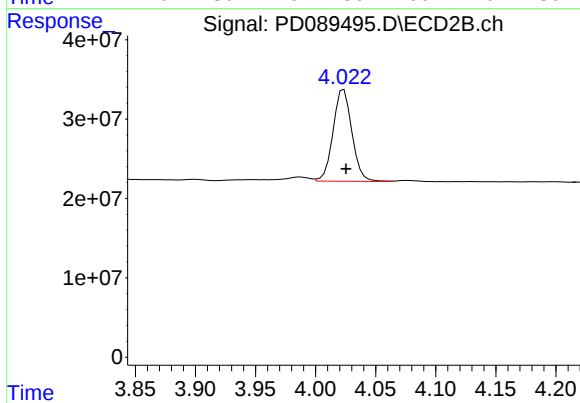
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 284537841
Conc: 11.49 ng/ml



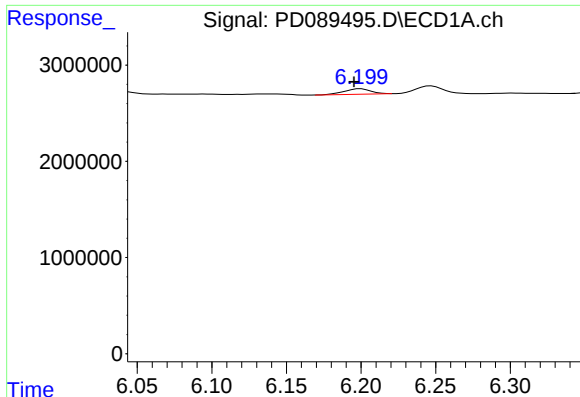
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.004 min
Response: 23388992
Conc: 10.60 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 126405465
Conc: 11.76 ng/ml



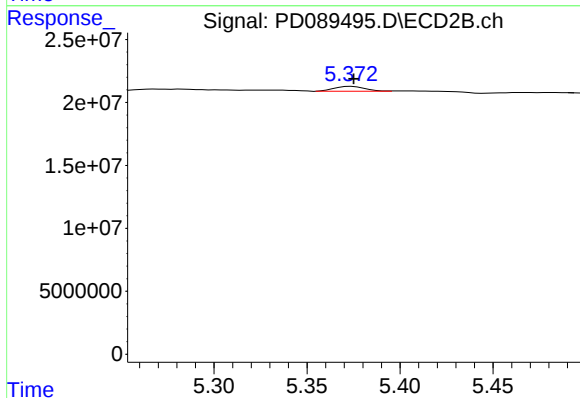
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.003 min
Response: 711810
Conc: 0.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

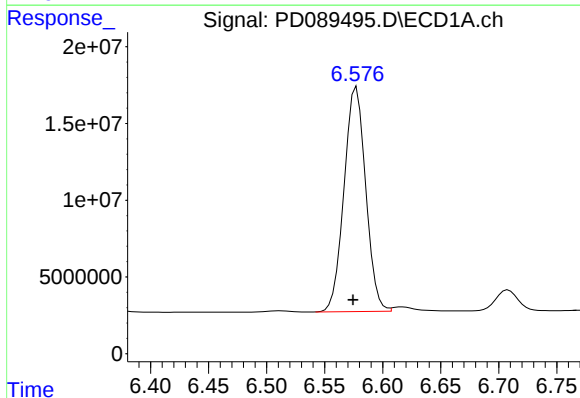
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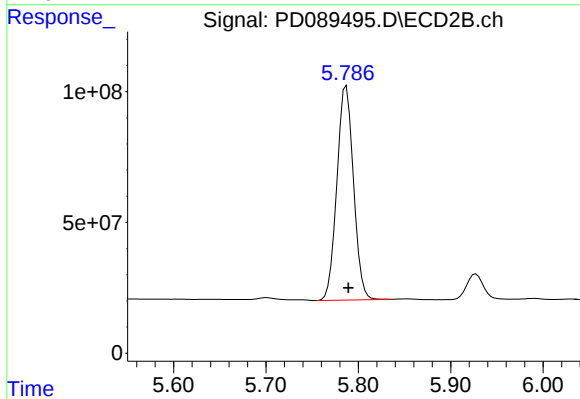
#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: -0.001 min
Response: 4520018
Conc: 0.20 ng/ml



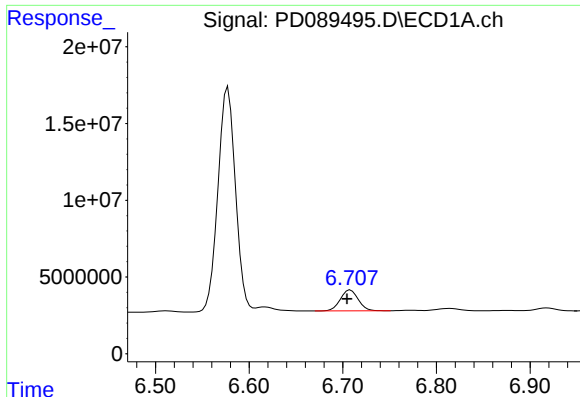
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 190189410
Conc: 46.10 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 1023597158
Conc: 47.14 ng/ml



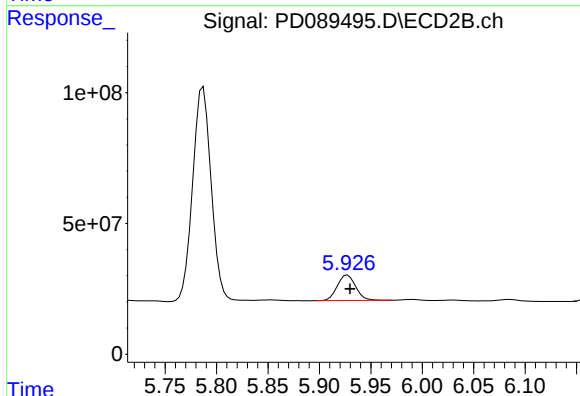
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.004 min
Response: 18083177
Conc: 5.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

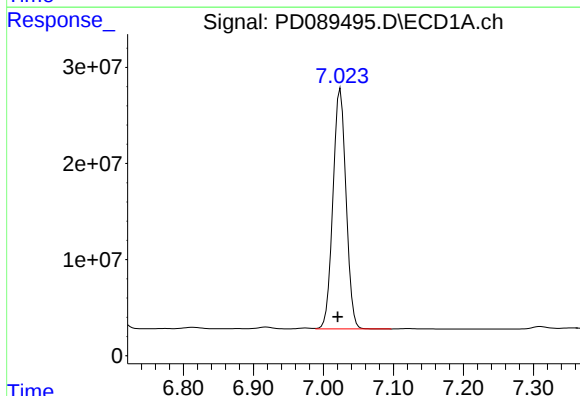
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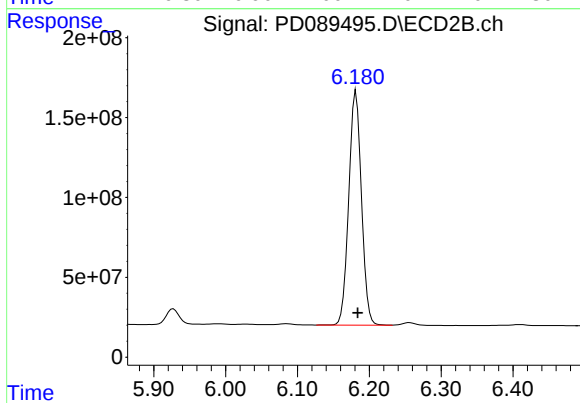
#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.002 min
Response: 121356533
Conc: 6.34 ng/ml



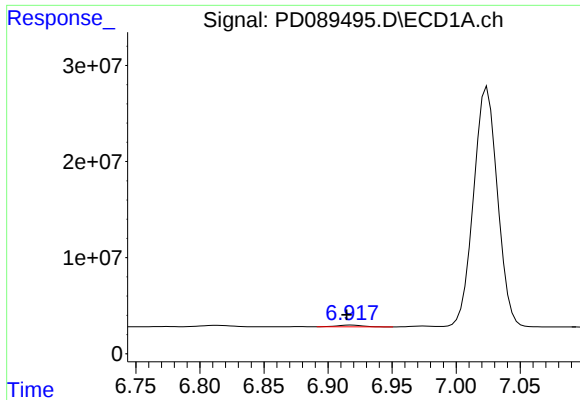
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.004 min
Response: 324864940
Conc: 85.76 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.003 min
Response: 1795988588
Conc: 88.56 ng/ml



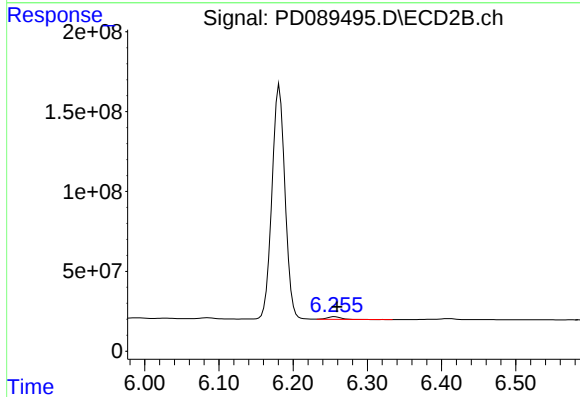
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.003 min
Response: 2543572
Conc: 0.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

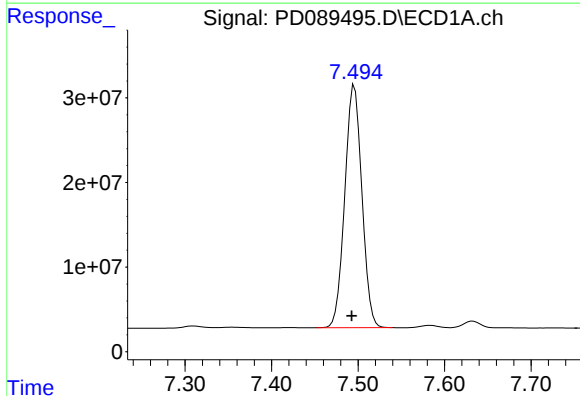
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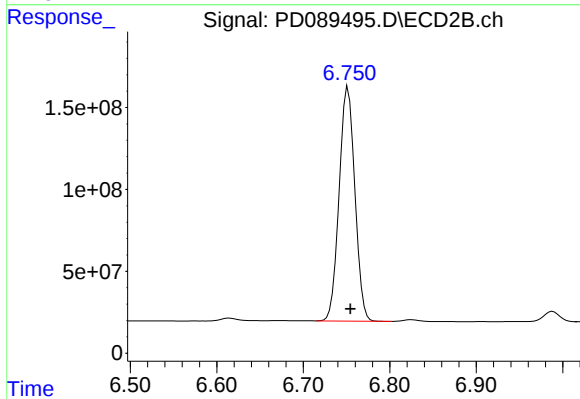
#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 21372026
Conc: 1.40 ng/ml



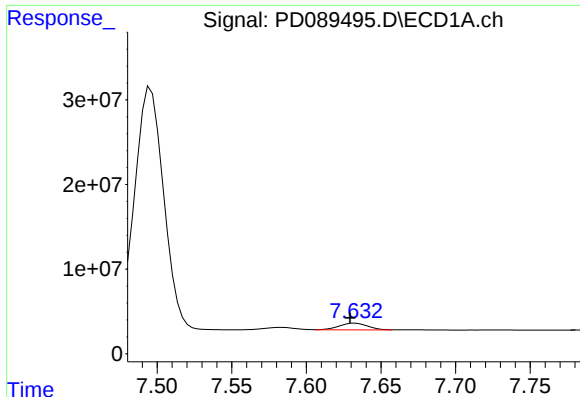
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.003 min
Response: 392090644
Conc: 194.04 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 1796600751
Conc: 166.85 ng/ml



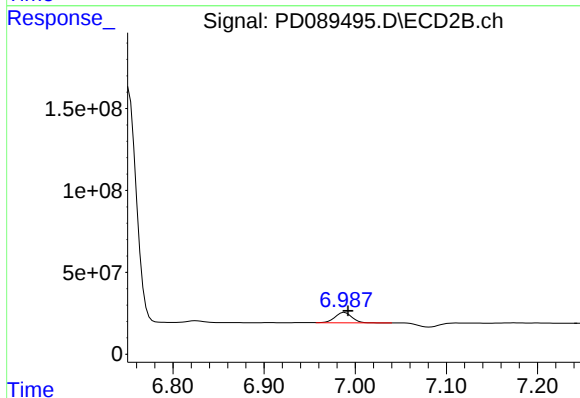
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.002 min
Response: 10503945
Conc: 2.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

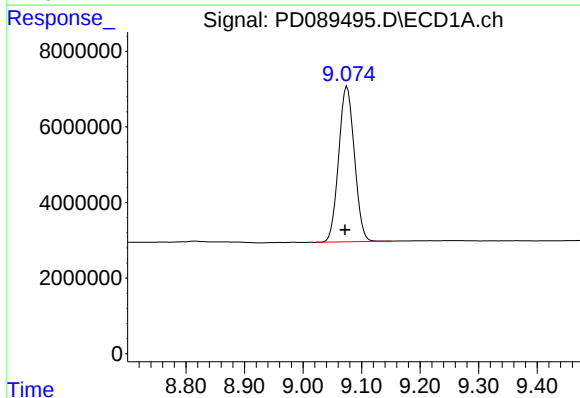
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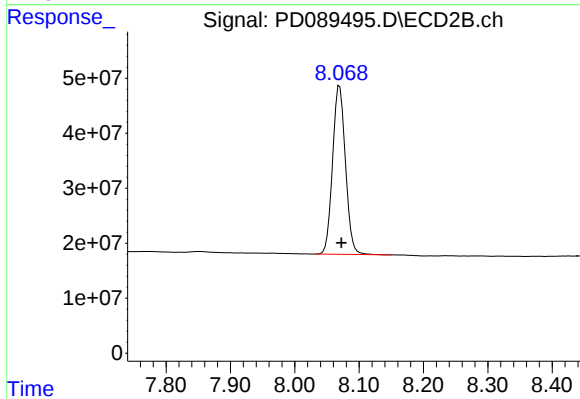
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 82474027
Conc: 3.82 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.003 min
Response: 76778177
Conc: 19.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 426050750
Conc: 21.55 ng/ml