

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080925\
 Data File : PD089809.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Aug 2025 11:10
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/11/2025
 Supervised By :mohammad ahmed 08/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 11 01:33:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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...	3.547	2.877	58246714	401.6E6	23.614	25.358
28)	SA Decachlor...	9.066	8.064	83415937	408.9E6	22.446	20.365
Target Compounds							
2)	A alpha-BHC	3.996	3.389	55613989	337.1E6	11.227	13.868
3)	MA gamma-BHC...	4.327	3.725	55719510	307.7E6	11.725	13.662
6)	B beta-BHC	4.513	4.021	22817545	134.0E6	12.369	13.883
12)	B 4,4'-DDE	6.190	5.371	594996	3960300	0.160m	0.187
14)	MA Endrin	6.570	5.783	190.5E6	1128.9E6	53.247	56.658
16)	A 4,4'-DDD	6.701	5.923	15451003	104.3E6	5.159	5.916
17)	MA 4,4'-DDT	7.017	6.177	327.4E6	2002.9E6	97.429	109.017
18)	B Endrin al...	6.912	6.252	2918966	23900437	1.170	1.850 #
20)	A Methoxychlor	7.489	6.748	392.9E6	2060.4E6	219.748	210.344
21)	B Endrin ke...	7.626	6.985	9178576	77114993	2.471	3.843 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080925\
Data File : PD089809.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Aug 2025 11:10
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

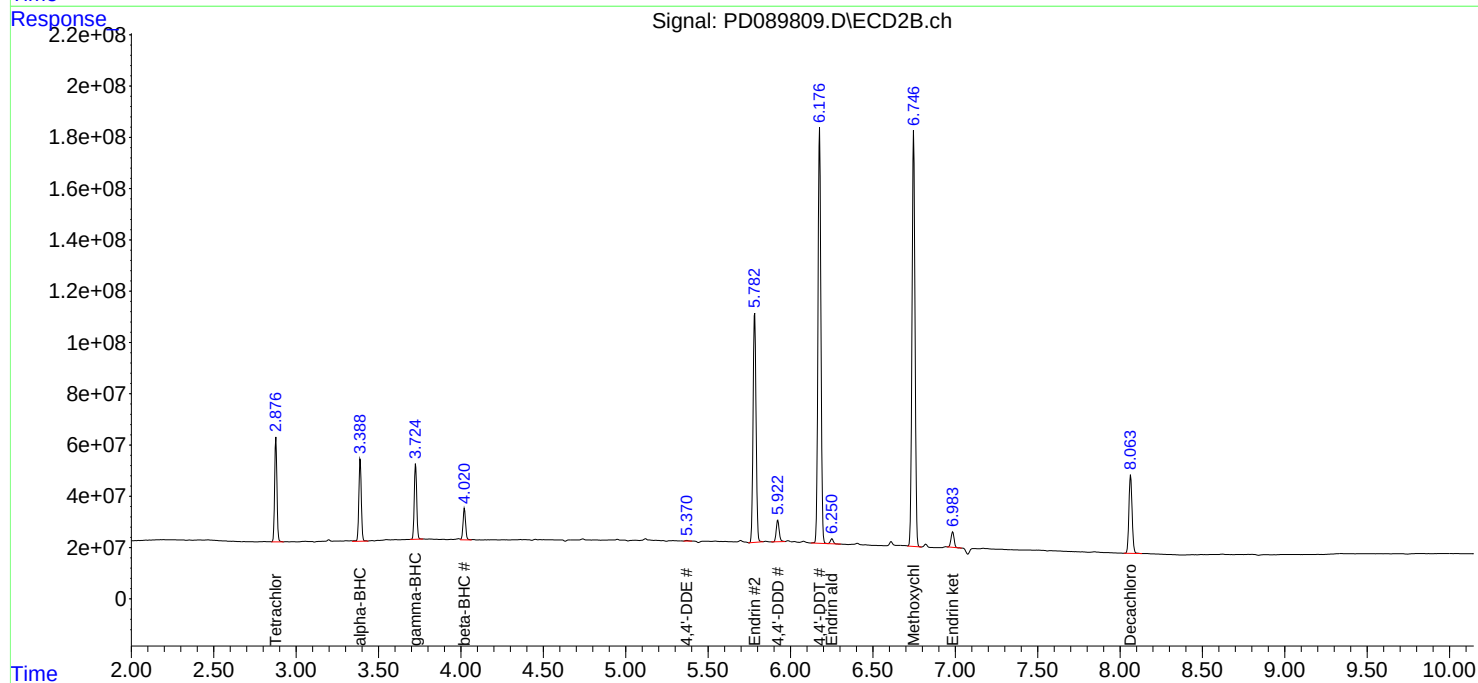
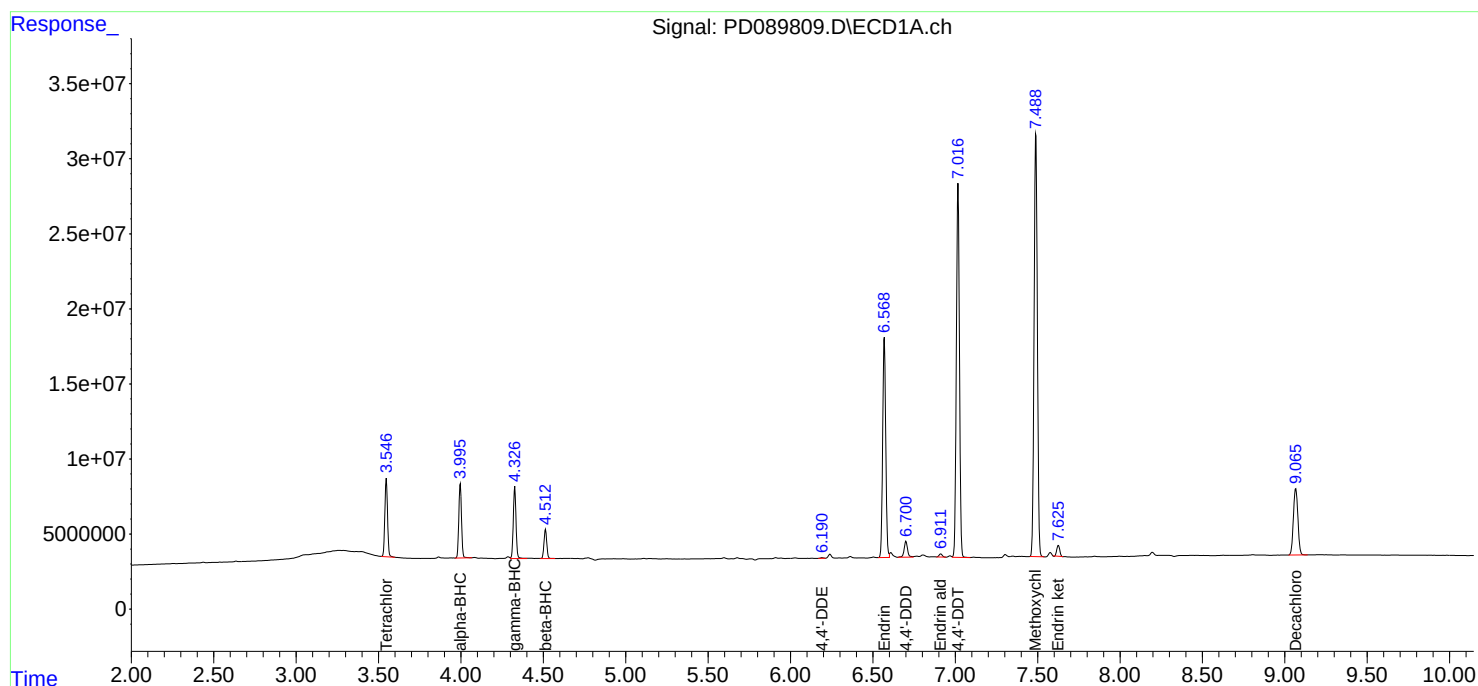
Instrument :
ECD_D
ClientSampleId :
PEM

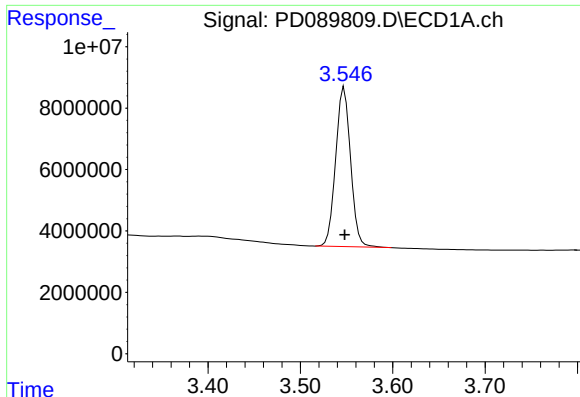
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 11 01:33:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response 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





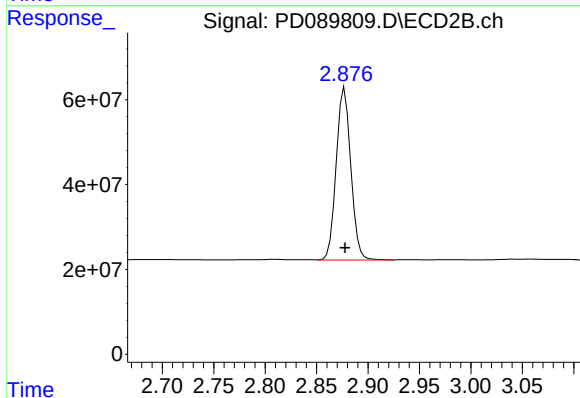
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 58246714
Conc: 23.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

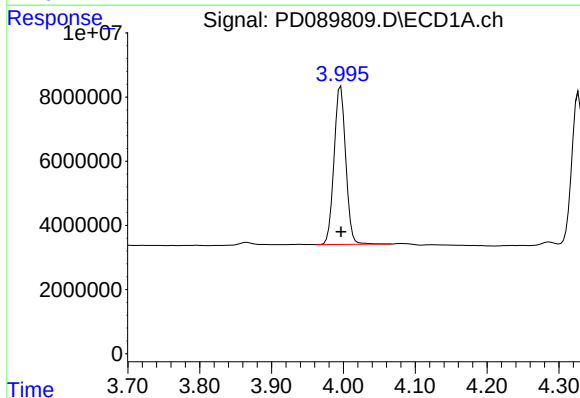
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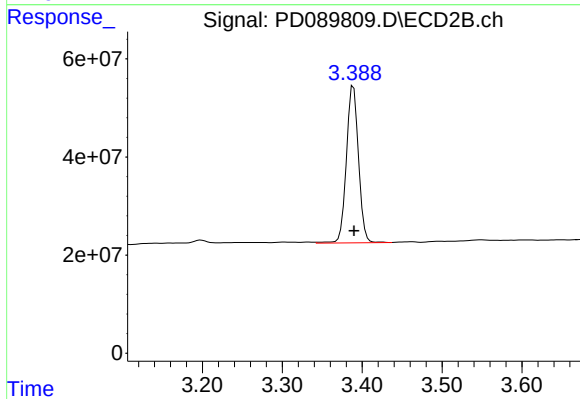
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 401609013
Conc: 25.36 ng/ml



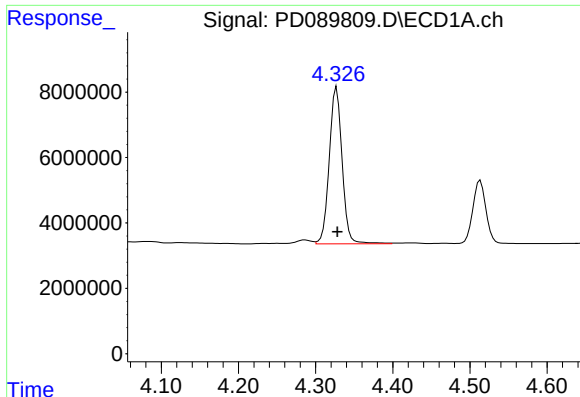
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 55613989
Conc: 11.23 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 337057679
Conc: 13.87 ng/ml



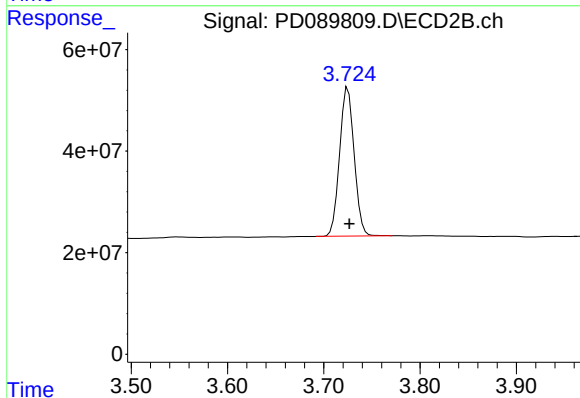
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 55719510
Conc: 11.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

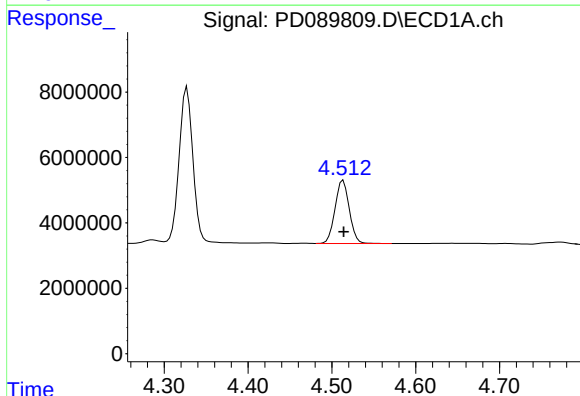
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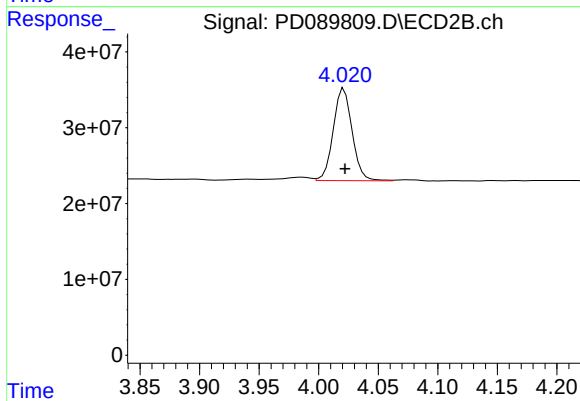
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.001 min
Response: 307724860
Conc: 13.66 ng/ml



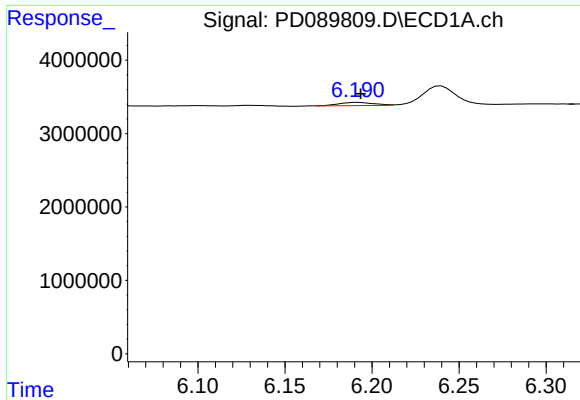
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 22817545
Conc: 12.37 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 133961495
Conc: 13.88 ng/ml



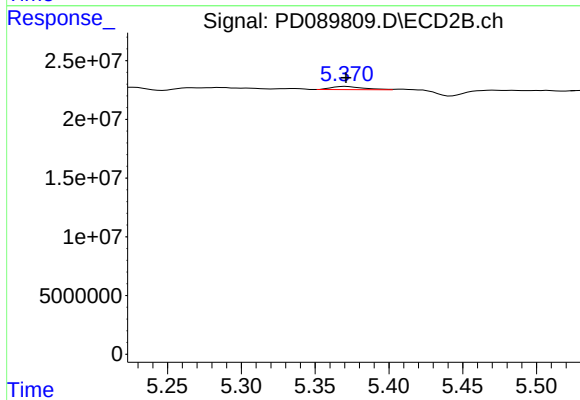
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 594996
Conc: 0.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

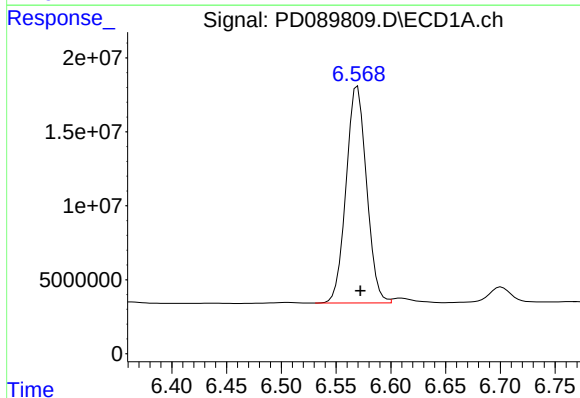
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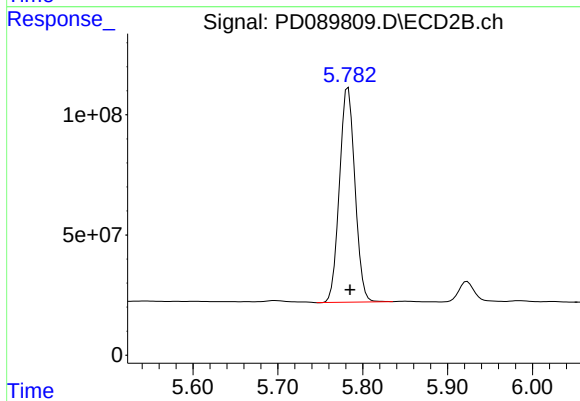
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 3960300
Conc: 0.19 ng/ml



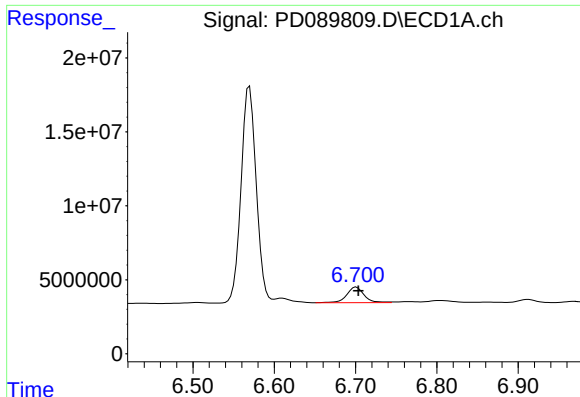
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.003 min
Response: 190501921
Conc: 53.25 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1128923689
Conc: 56.66 ng/ml



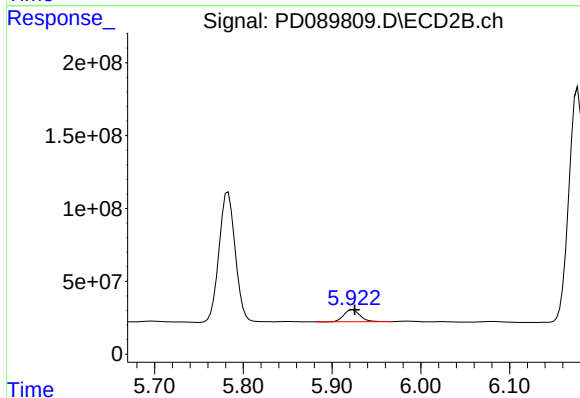
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.003 min
Response: 15451003
Conc: 5.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

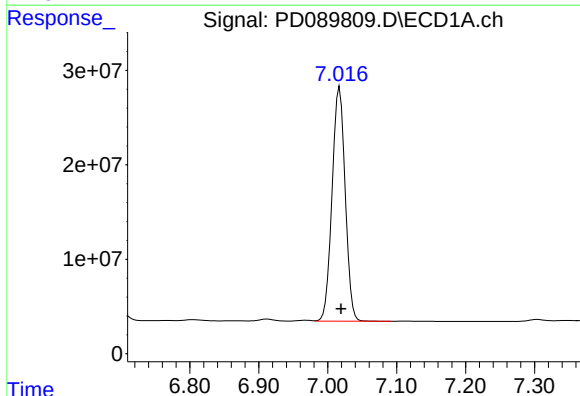
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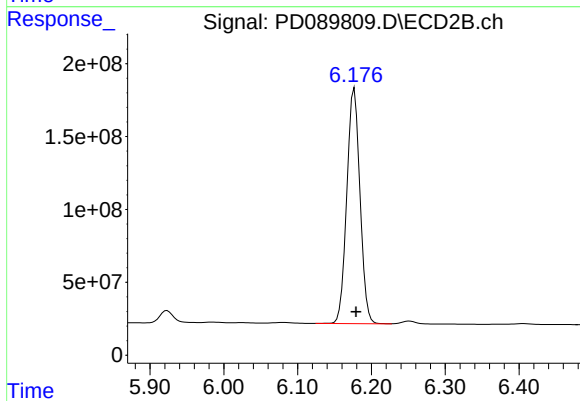
#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 104319342
Conc: 5.92 ng/ml



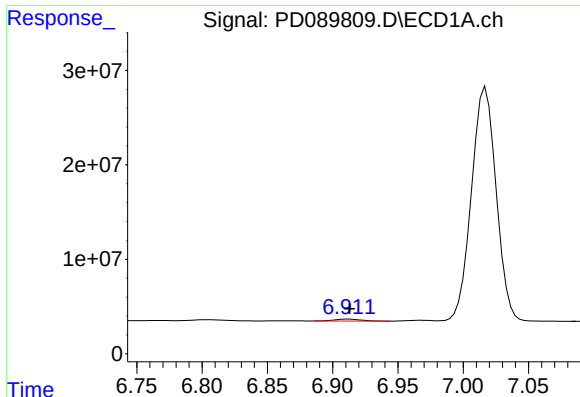
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.002 min
Response: 327385575
Conc: 97.43 ng/ml



#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 2002935628
Conc: 109.02 ng/ml



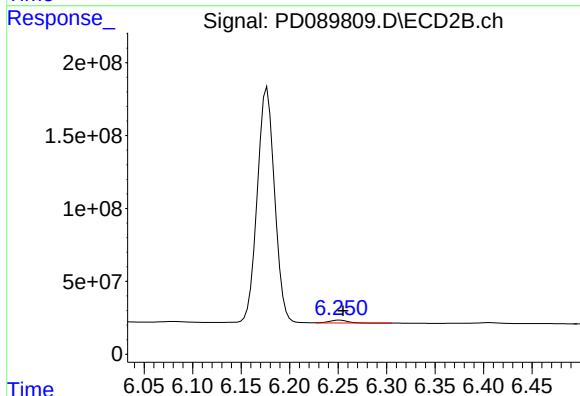
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.001 min
Response: 2918966
Conc: 1.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

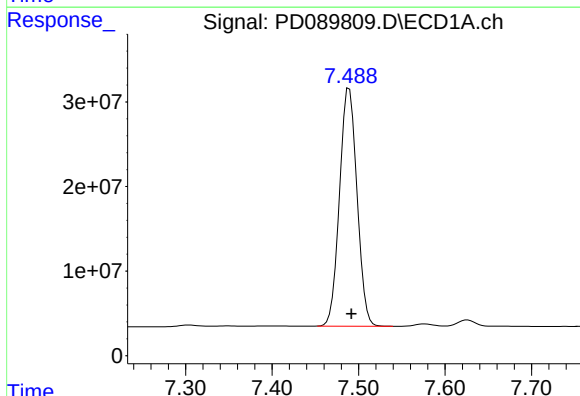
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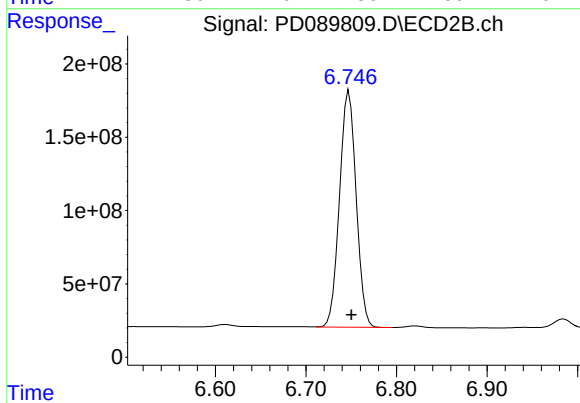
#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.003 min
Response: 23900437
Conc: 1.85 ng/ml



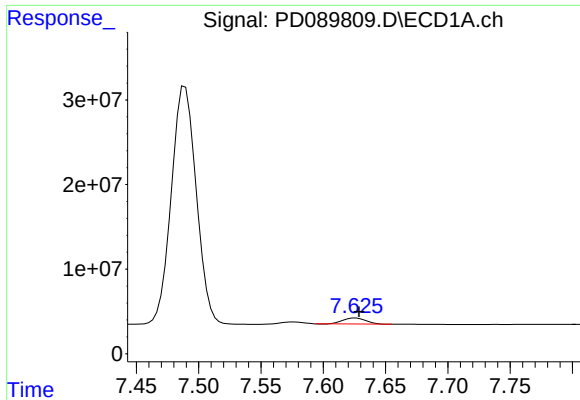
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.003 min
Response: 392903121
Conc: 219.75 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.003 min
Response: 2060428009
Conc: 210.34 ng/ml



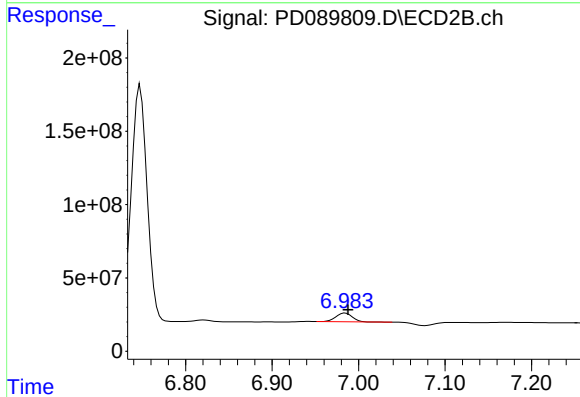
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.003 min
Response: 9178576
Conc: 2.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

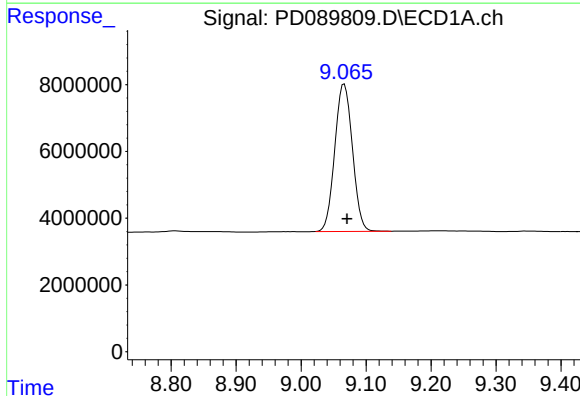
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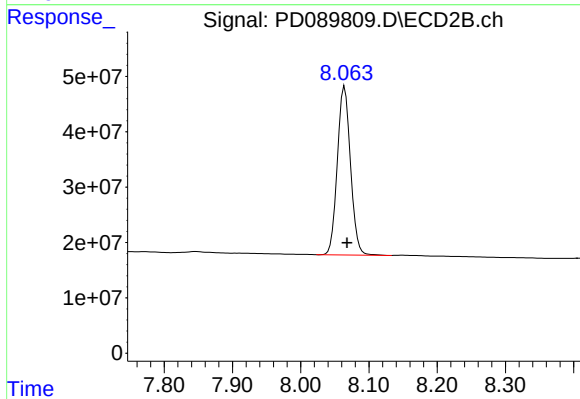
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.003 min
Response: 77114993
Conc: 3.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.004 min
Response: 83415937
Conc: 22.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.003 min
Response: 408891525
Conc: 20.37 ng/ml