

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089368.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 19:46
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:27:52 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	2.881	63265613	418.9E6	22.174	24.707
28)	SA Decachlor...	9.071	8.070	73205443	340.3E6	18.639	17.215
Target Compounds							
2)	A alpha-BHC	3.999	3.393	60514691	354.4E6	10.382	13.225 #
3)	MA gamma-BHC...	4.330	3.728	60327969	314.3E6	10.808	12.694m
6)	B beta-BHC	4.515	4.025	24988086	136.6E6	11.321	12.716
12)	B 4,4'-DDE	6.193	5.376	478215	2571888	0.110m	0.112m
14)	MA Endrin	6.573	5.788	209.4E6	1194.1E6	50.755	54.993
16)	A 4,4'-DDD	6.704	5.929	3696236	26402582	1.077	1.380 #
17)	MA 4,4'-DDT	7.020	6.182	355.3E6	2046.6E6	93.783	100.920
18)	B Endrin al...	6.915	6.254	626754	10536018	0.205m	0.688m#
20)	A Methoxychlor	7.492	6.752	423.3E6	2131.4E6	209.514	197.937
21)	B Endrin ke...	7.627	6.989	2776860	17157240	0.682m	0.794

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

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Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

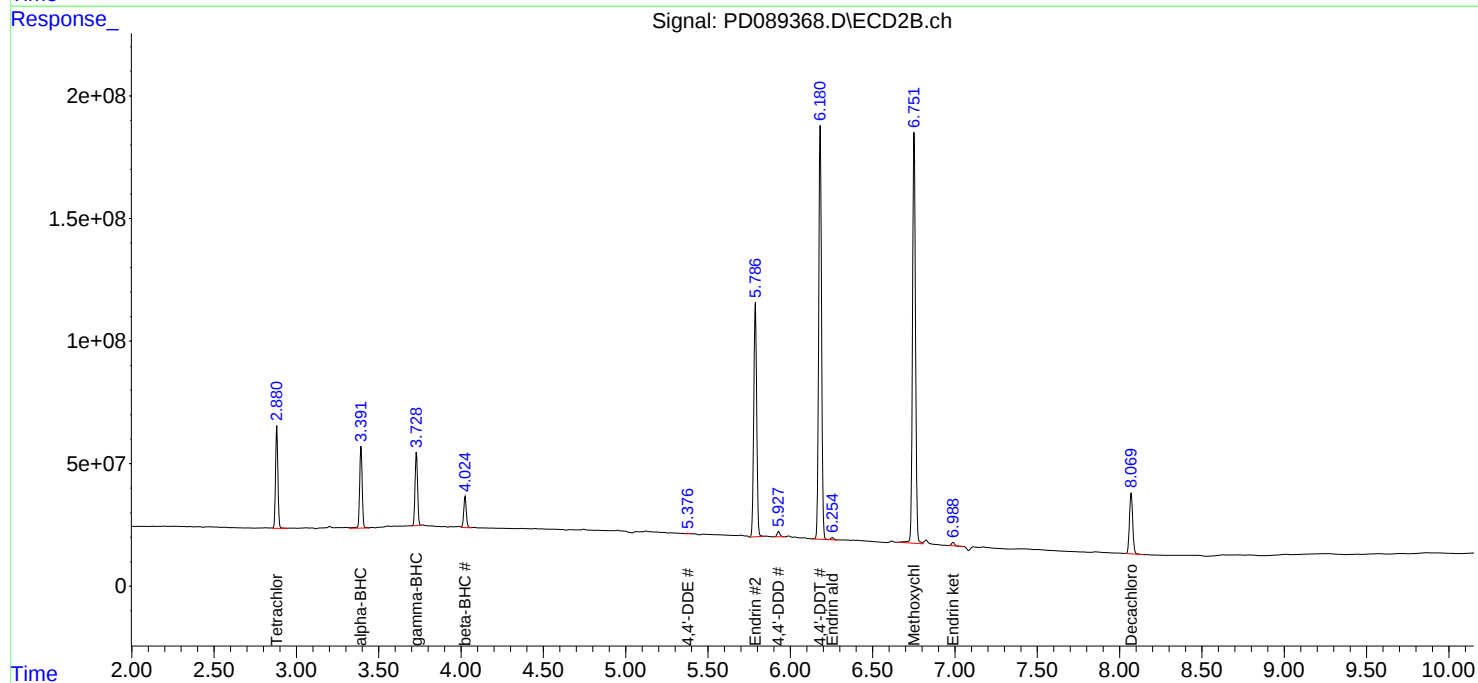
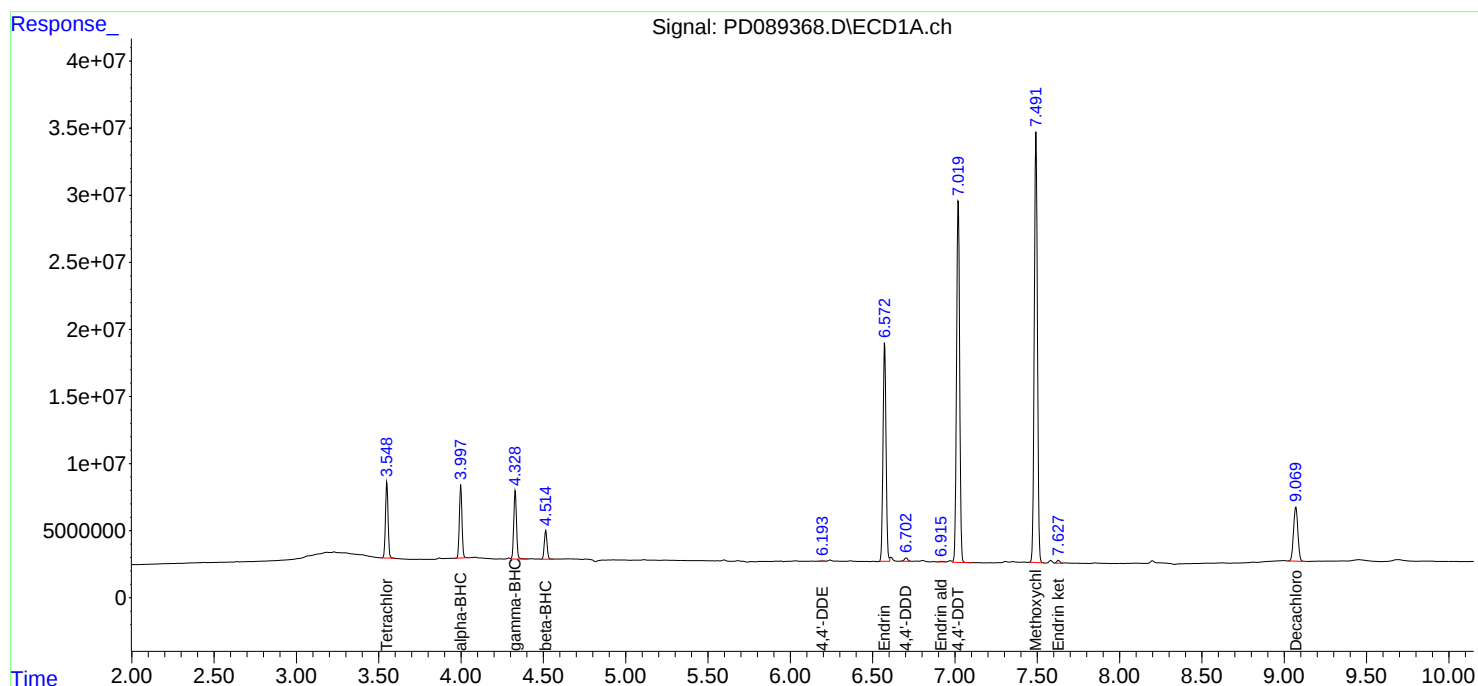
Instrument :
ECD_D
ClientSampleId :
PEM

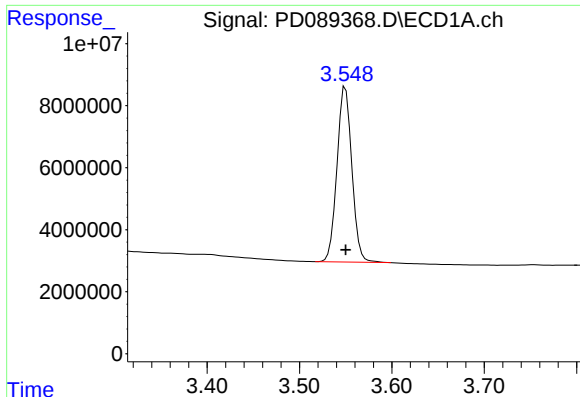
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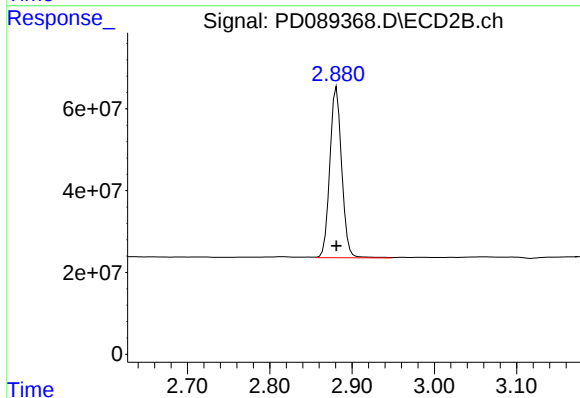
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 63265613
Conc: 22.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

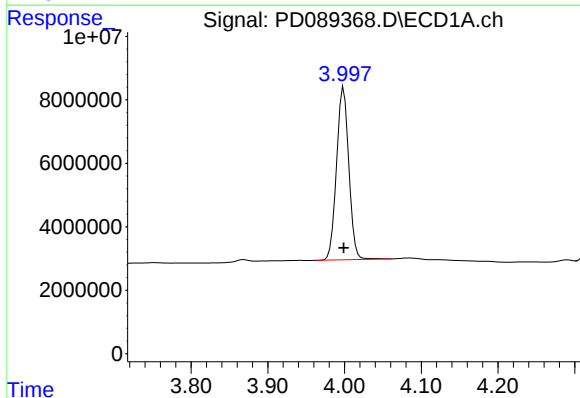
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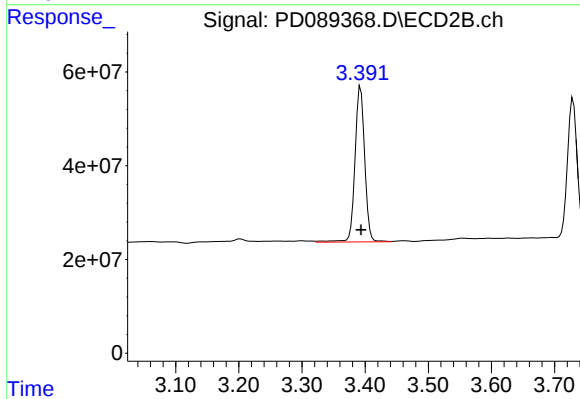
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 418870325
Conc: 24.71 ng/ml



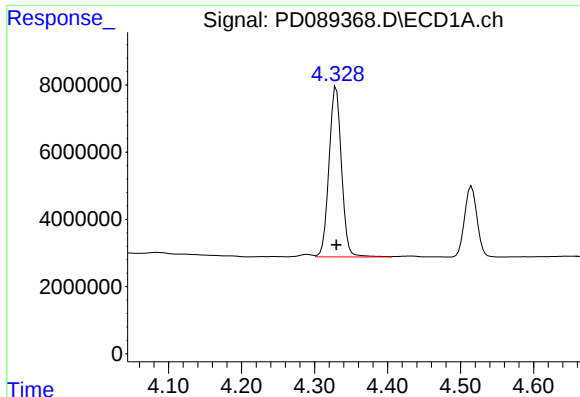
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 60514691
Conc: 10.38 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 354393363
Conc: 13.23 ng/ml



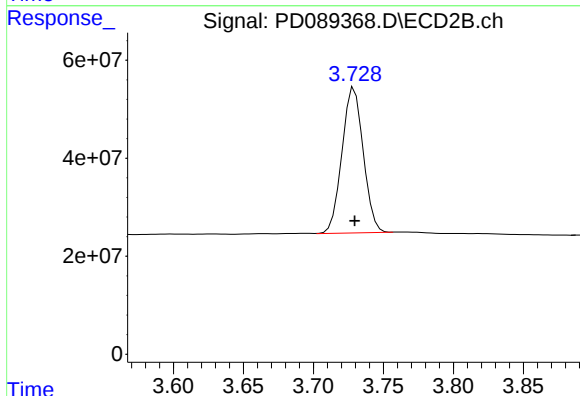
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 60327969
Conc: 10.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

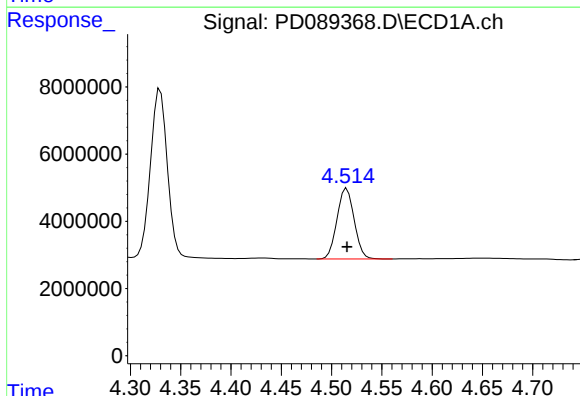
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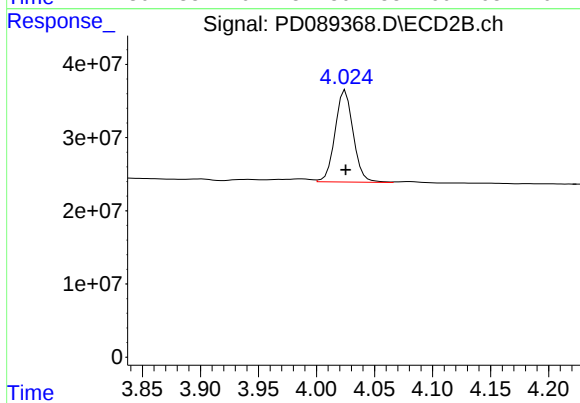
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 314265913
Conc: 12.69 ng/ml m



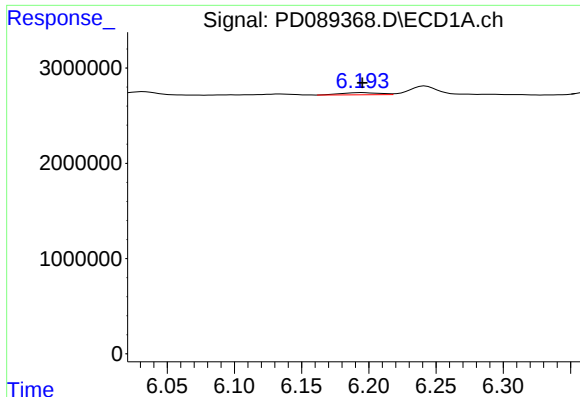
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 24988086
Conc: 11.32 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 136645813
Conc: 12.72 ng/ml



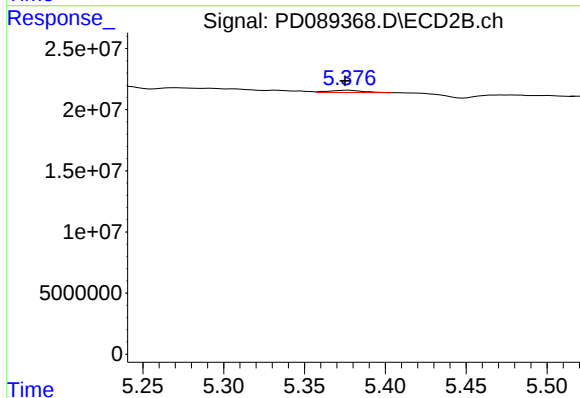
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.002 min
Response: 478215
Conc: 0.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

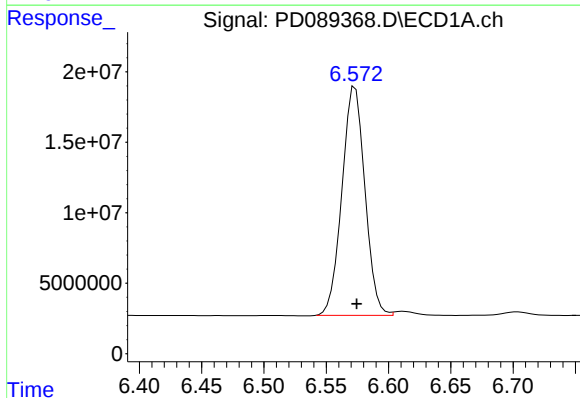
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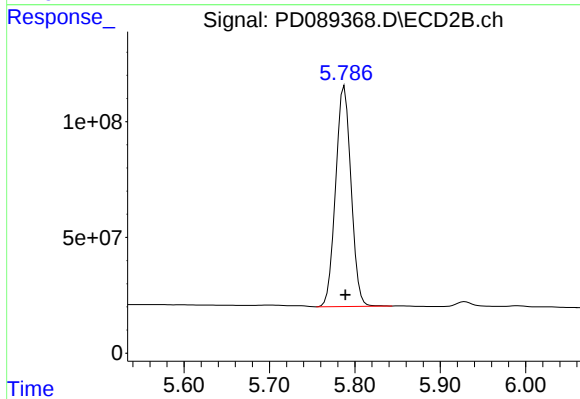
#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.001 min
Response: 2571888
Conc: 0.11 ng/ml m



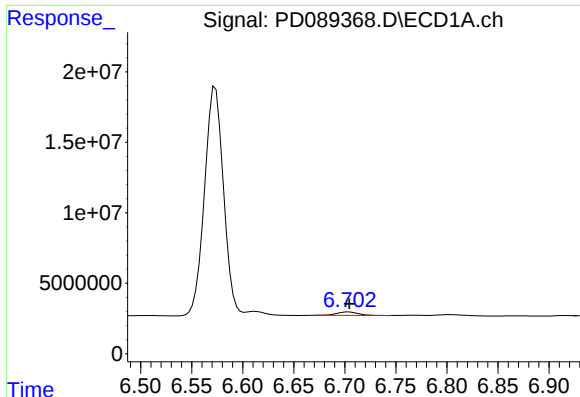
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 209395960
Conc: 50.76 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1194113771
Conc: 54.99 ng/ml



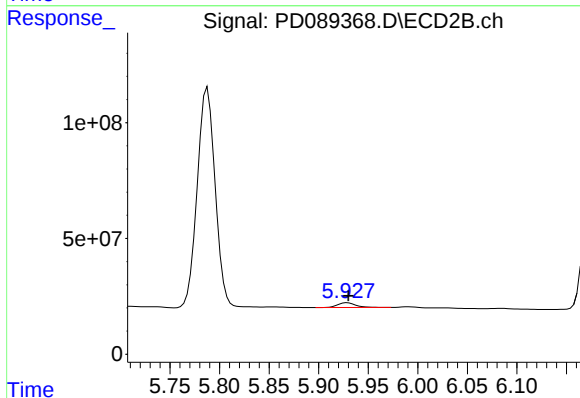
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.001 min
Response: 3696236
Conc: 1.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

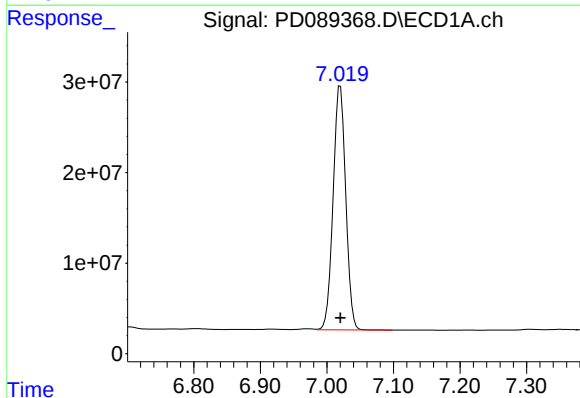
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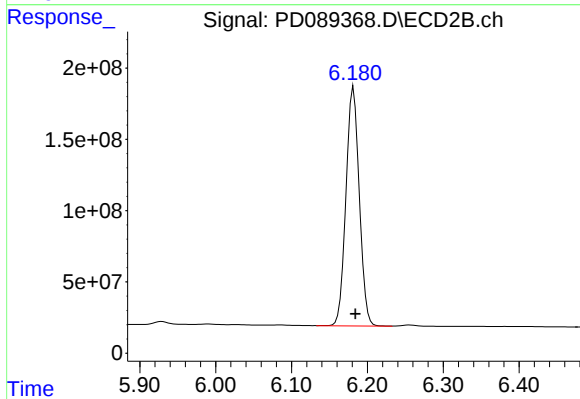
#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 26402582
Conc: 1.38 ng/ml



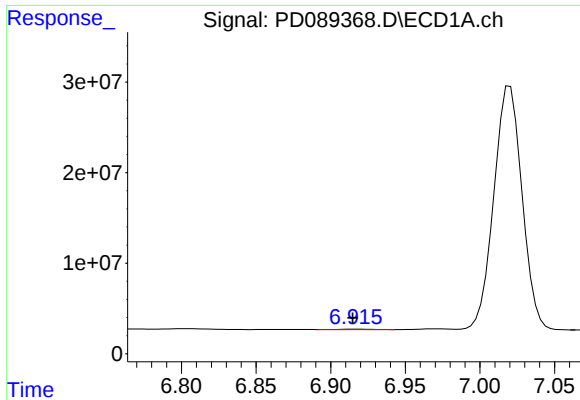
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 355268230
Conc: 93.78 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 2046580341
Conc: 100.92 ng/ml



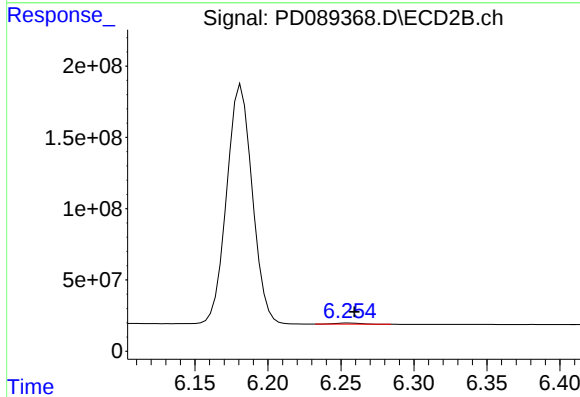
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 626754
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

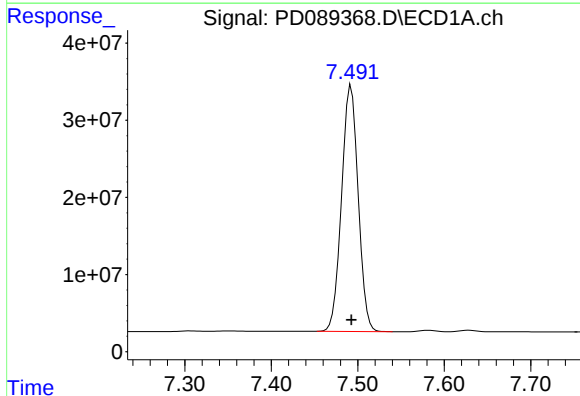
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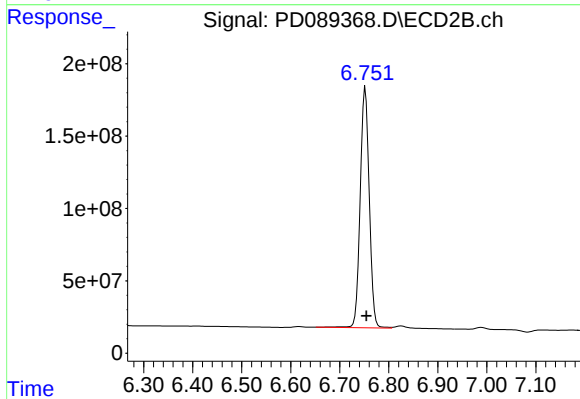
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.005 min
Response: 10536018
Conc: 0.69 ng/ml m



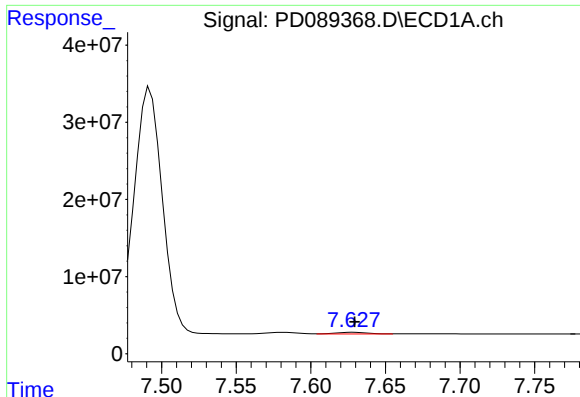
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 423349661
Conc: 209.51 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 2131404979
Conc: 197.94 ng/ml



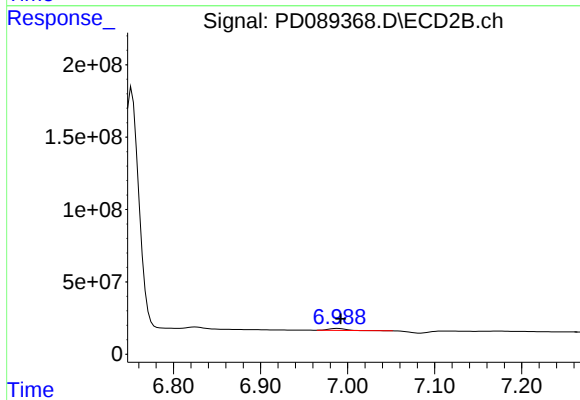
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 2776860
Conc: 0.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

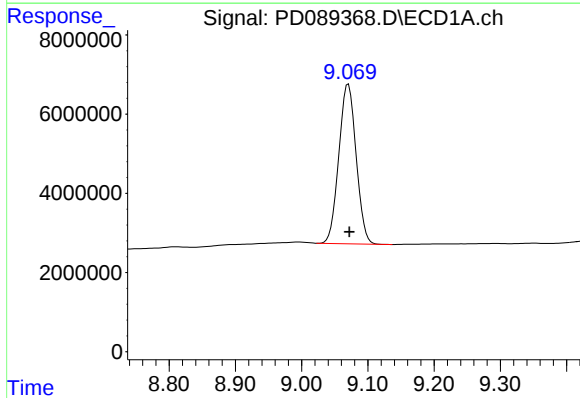
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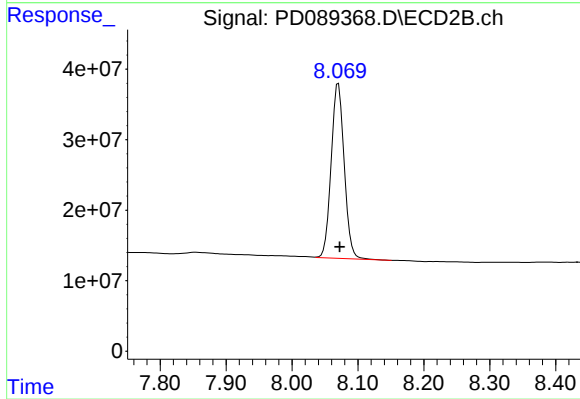
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 17157240
Conc: 0.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 73205443
Conc: 18.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 340342216
Conc: 17.22 ng/ml