

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102825\
 Data File : PD090868.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Oct 2025 09:55
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/29/2025
 Supervised By : Sohil Jodhani 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 29 01:41:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.544	2.873	72121617	687.9E6	23.159	23.100
28)	SA Decachlor...	9.062	8.058	107.1E6	772.5E6	22.892	25.503
Target Compounds							
2)	A alpha-BHC	3.993	3.385	71583437	570.4E6	9.974	11.164
3)	MA gamma-BHC...	4.323	3.721	70075763	528.4E6	10.307	11.184
6)	B beta-BHC	4.511	4.017	29621545	225.1E6	11.308	11.350
12)	B 4,4'-DDE	6.187	5.364	810686	6930315	0.152m	0.158m
14)	MA Endrin	6.566	5.778	260.0E6	2031.3E6	52.492	50.163
16)	A 4,4'-DDD	6.698	5.918	28463164	257.7E6	7.021	7.073
17)	MA 4,4'-DDT	7.013	6.172	440.2E6	3668.3E6	107.087	104.589
18)	B Endrin al...	6.909	6.246	6864236	44280225	1.874	1.599
20)	A Methoxychlor	7.486	6.741	534.5E6	3773.9E6	251.460	216.546
21)	B Endrin ke...	7.623	6.979	15208533	134.8E6	3.130	3.575

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

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Acq On : 28 Oct 2025 09:55
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

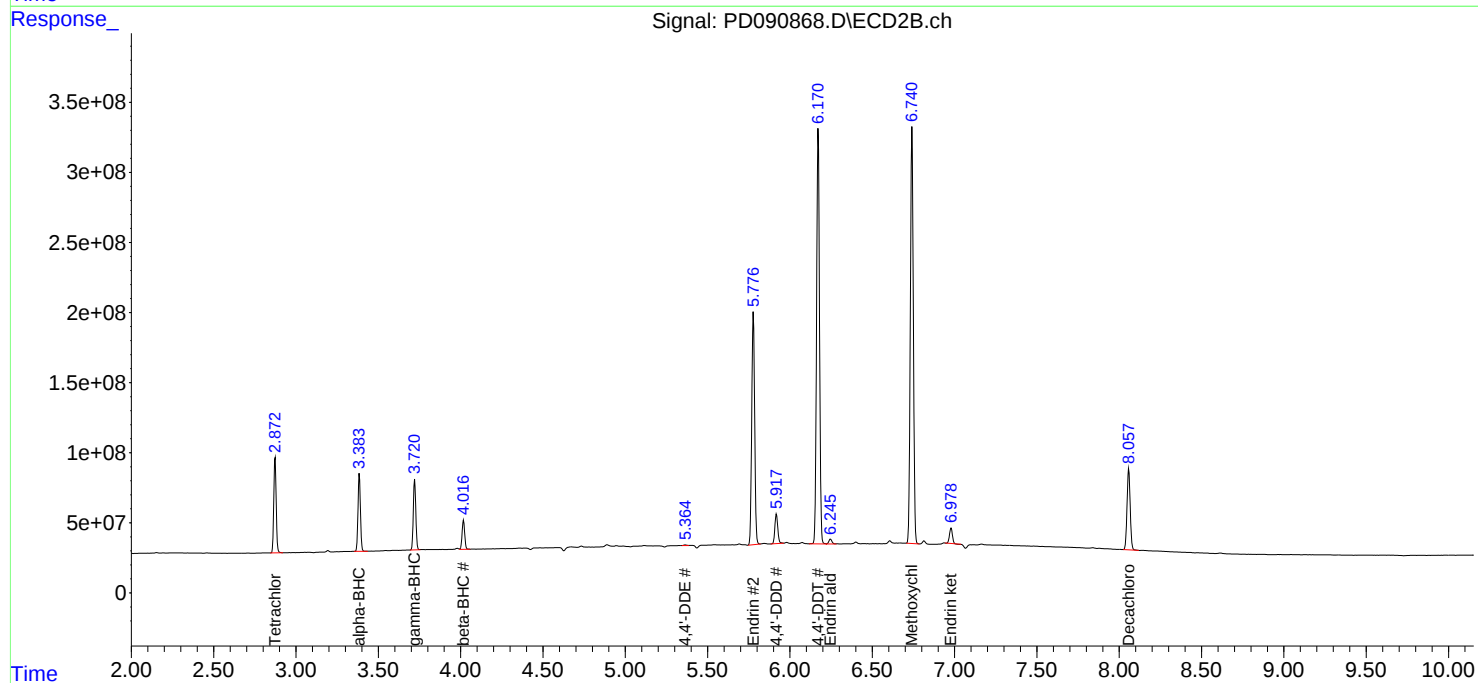
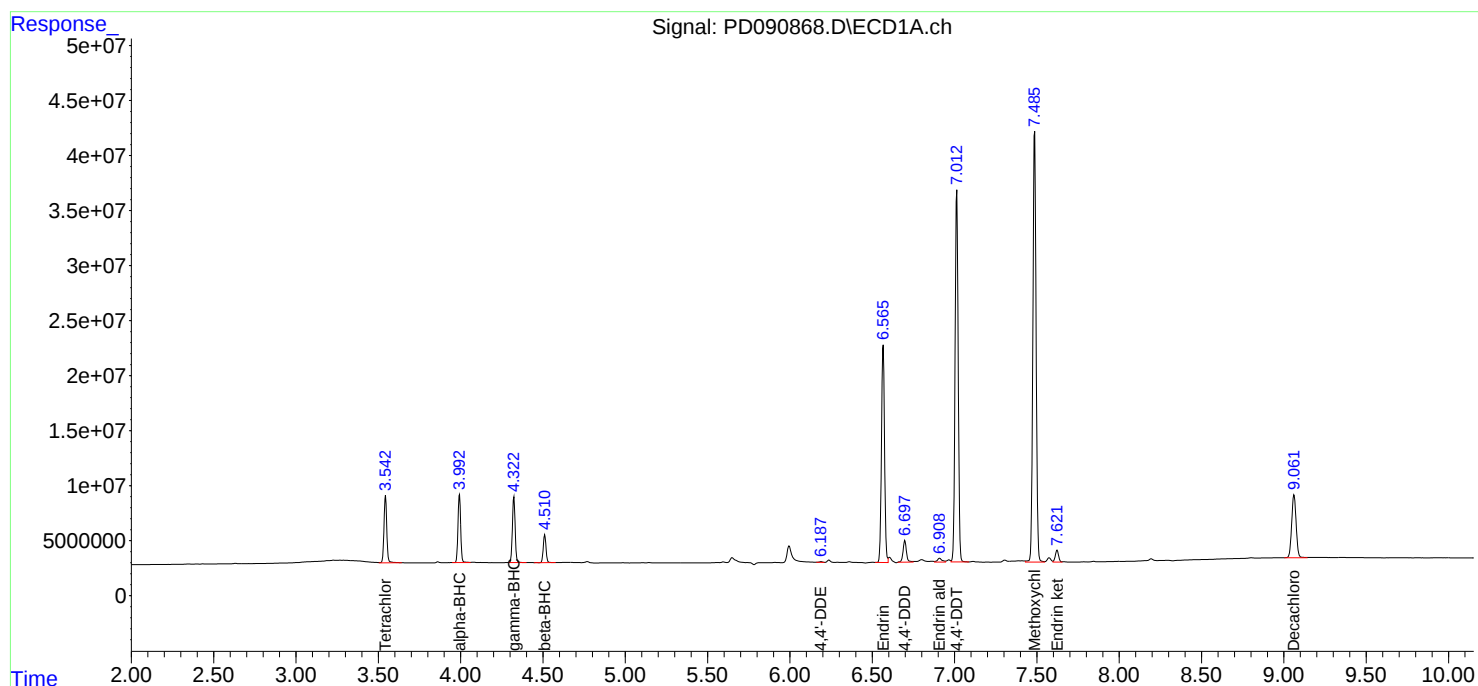
Instrument :
ECD_D
ClientSampleId :
PEM

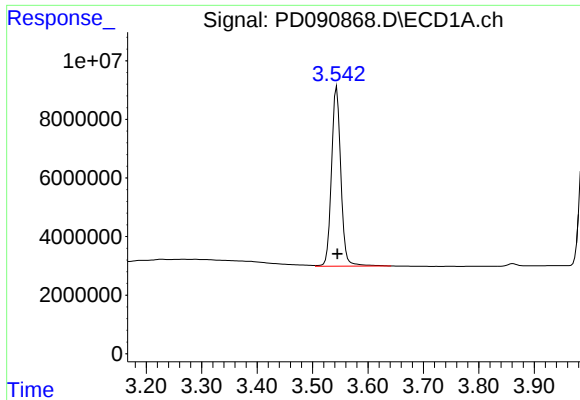
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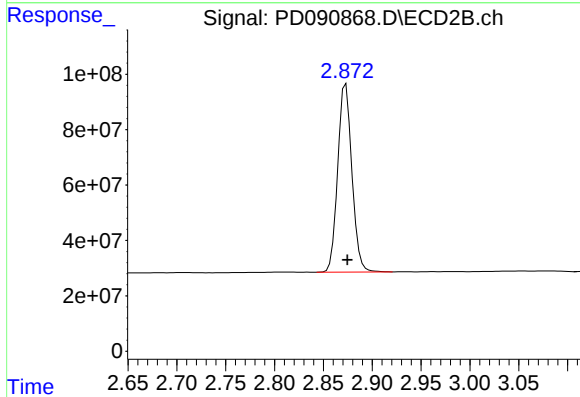
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 72121617
Conc: 23.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

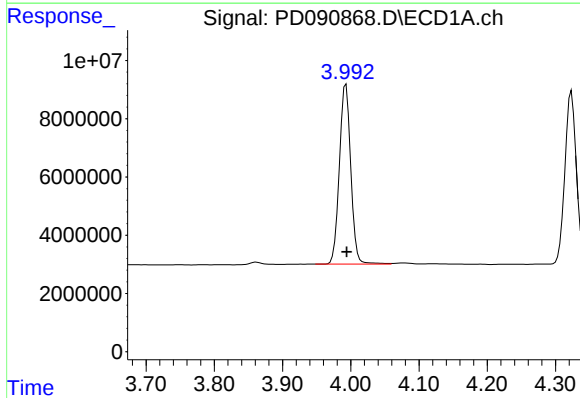
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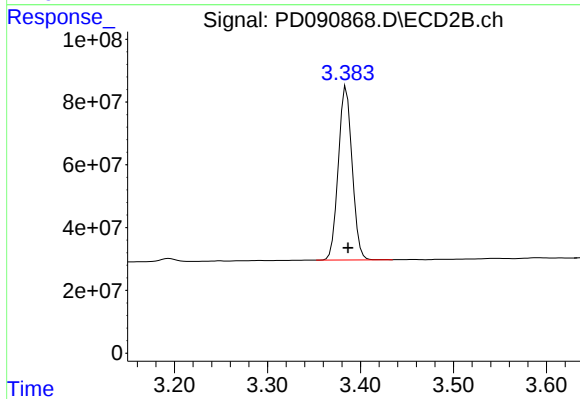
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 687862394
Conc: 23.10 ng/ml



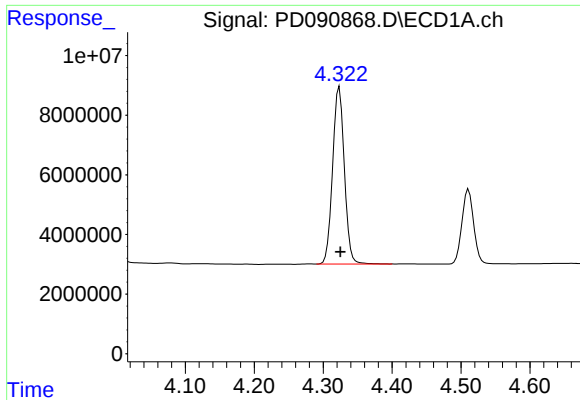
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 71583437
Conc: 9.97 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 570423682
Conc: 11.16 ng/ml



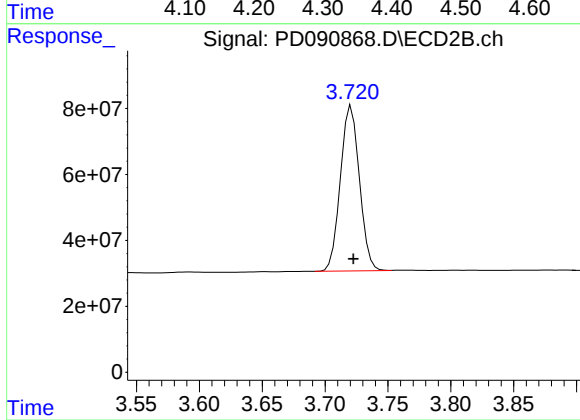
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.002 min
Response: 70075763
Conc: 10.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

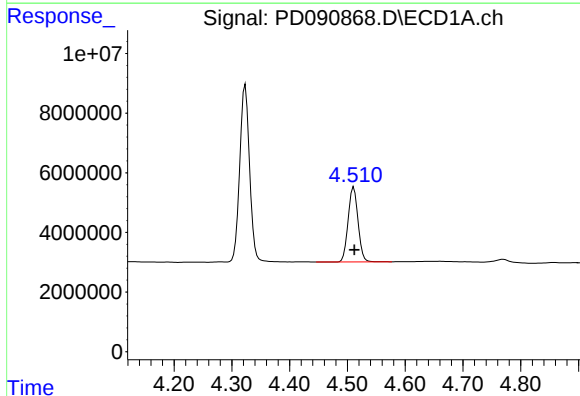
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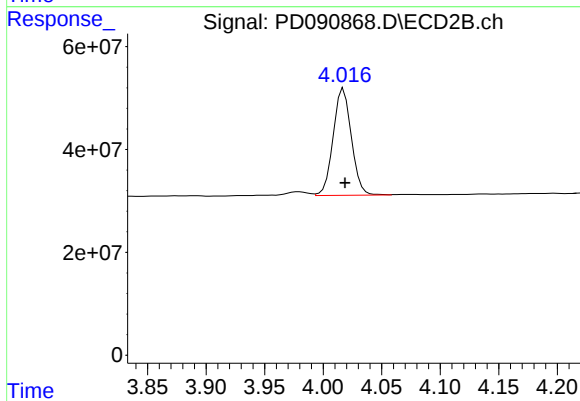
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 528448206
Conc: 11.18 ng/ml



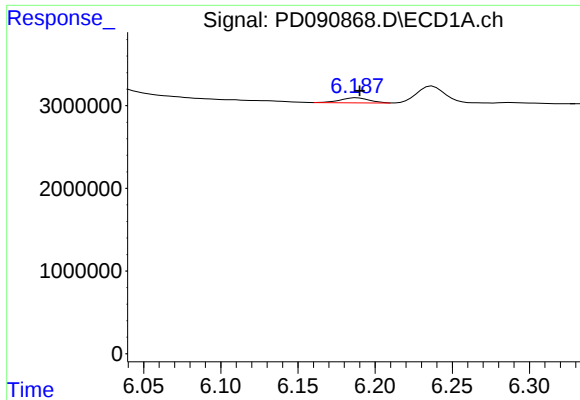
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 29621545
Conc: 11.31 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 225070820
Conc: 11.35 ng/ml



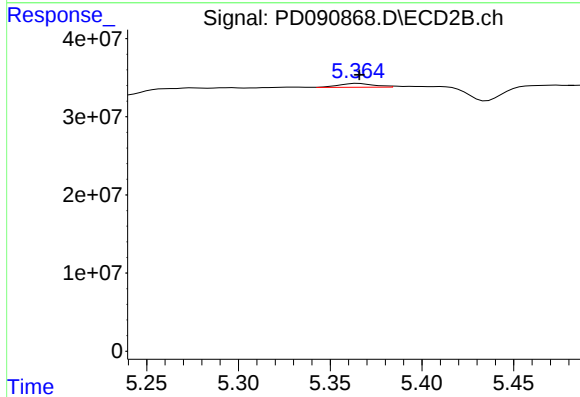
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.003 min
Response: 810686
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

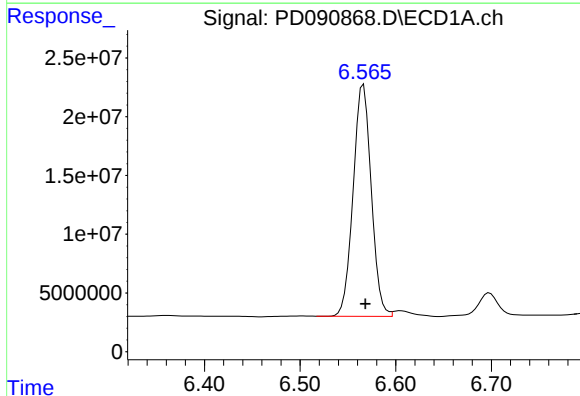
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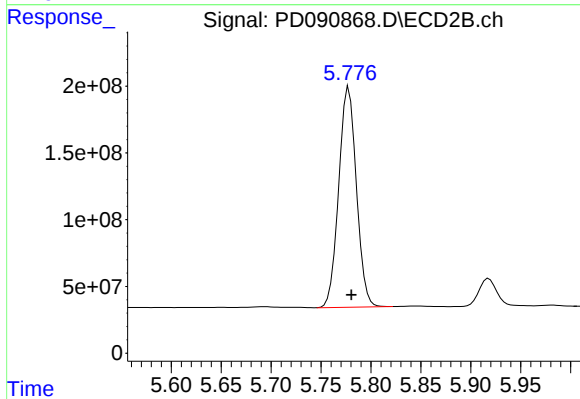
#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 6930315
Conc: 0.16 ng/ml m



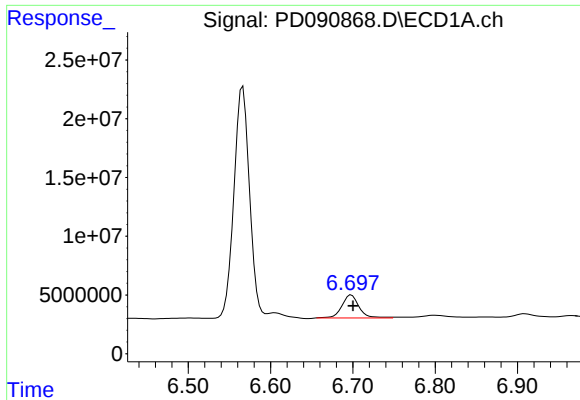
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.002 min
Response: 260030829
Conc: 52.49 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.003 min
Response: 2031283892
Conc: 50.16 ng/ml



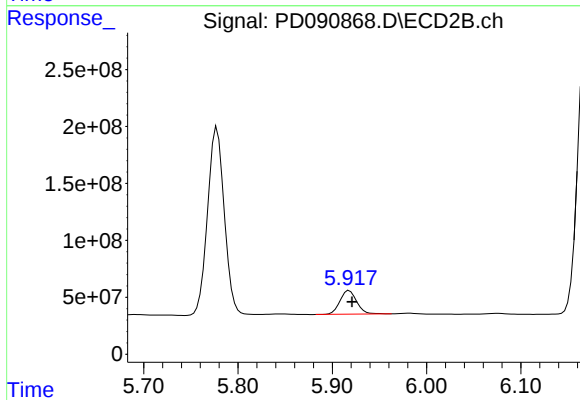
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.002 min
Response: 28463164
Conc: 7.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

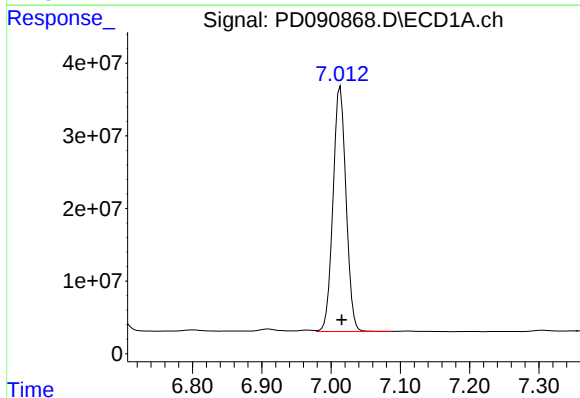
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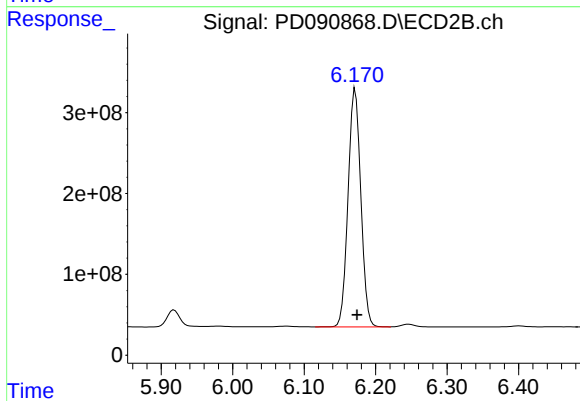
#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 257719222
Conc: 7.07 ng/ml



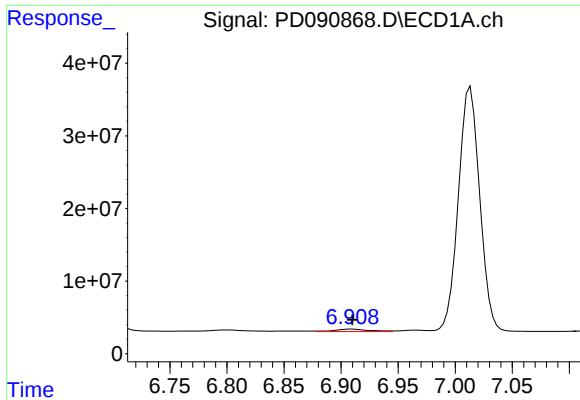
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.002 min
Response: 440179804
Conc: 107.09 ng/ml



#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 3668255202
Conc: 104.59 ng/ml



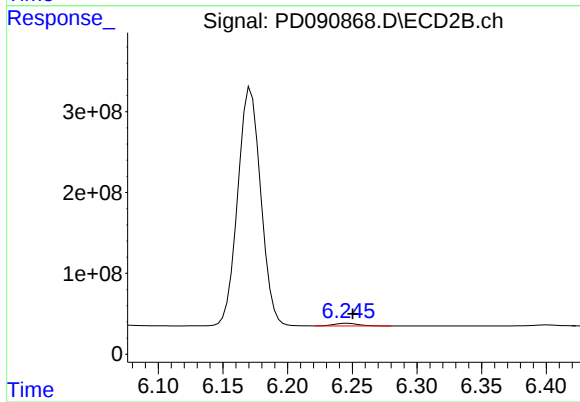
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 6864236
Conc: 1.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

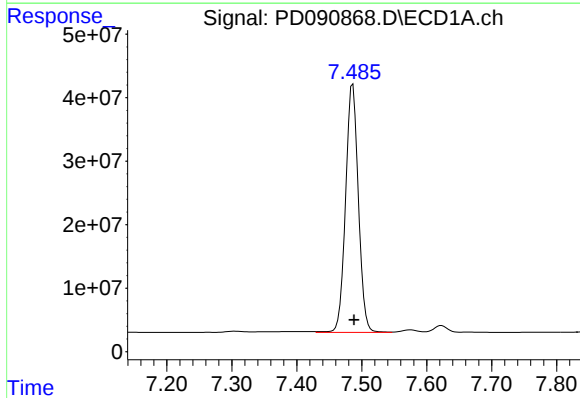
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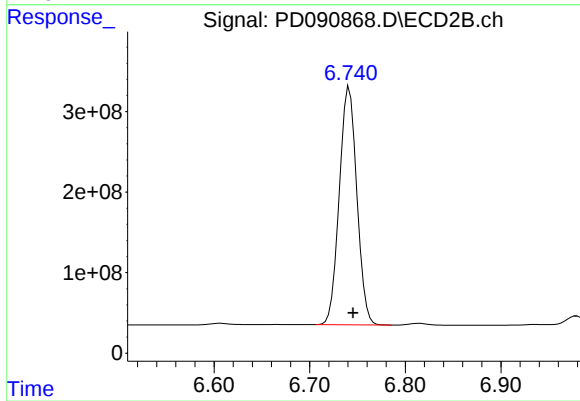
#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 44280225
Conc: 1.60 ng/ml



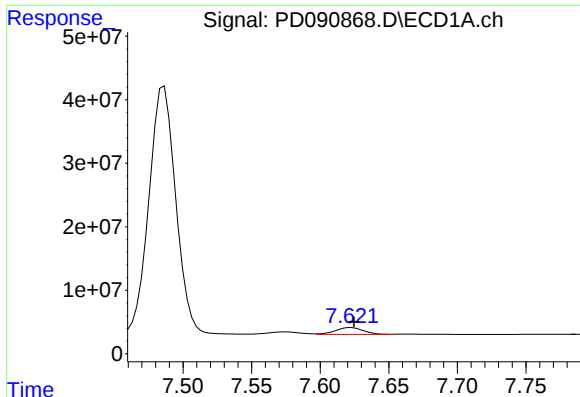
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.002 min
Response: 534500286
Conc: 251.46 ng/ml



#20 Methoxychlor

R.T.: 6.741 min
Delta R.T.: -0.004 min
Response: 3773924369
Conc: 216.55 ng/ml



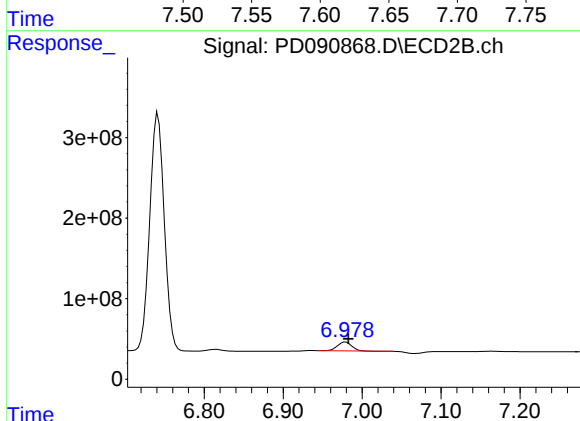
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.002 min
Response: 15208533
Conc: 3.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

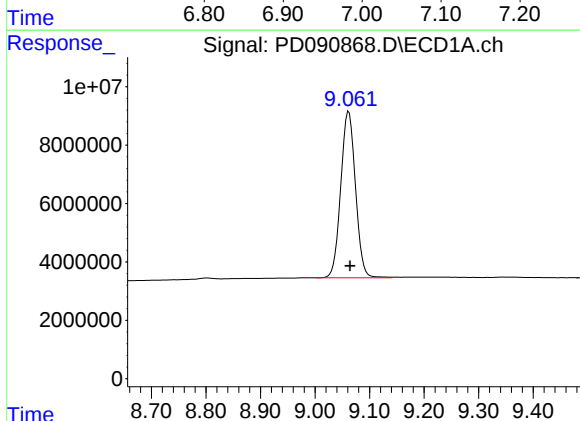
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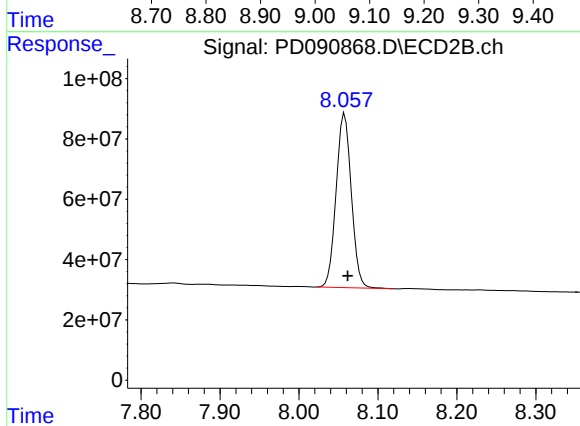
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: -0.004 min
Response: 134832009
Conc: 3.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.002 min
Response: 107086305
Conc: 22.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.004 min
Response: 772512317
Conc: 25.50 ng/ml