

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082625\
 Data File : PD090028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Aug 2025 11:51
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/27/2025
 Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 27 04:58:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.548	2.877	52434920	398.3E6	17.866	18.062
28)	SA Decachlor...	9.070	8.065	80923073	473.5E6	18.750	18.292
Target Compounds							
2)	A alpha-BHC	3.998	3.389	50501466	333.1E6	8.414	9.816
3)	MA gamma-BHC...	4.329	3.725	50462748	303.4E6	8.812	9.733
6)	B beta-BHC	4.515	4.021	21223945	133.7E6	9.462	10.029
12)	B 4,4'-DDE	6.195	5.371	515759	3392792	0.118	0.118
14)	MA Endrin	6.572	5.784	193.6E6	1150.4E6	46.733	43.196
16)	A 4,4'-DDD	6.704	5.924	7642473	60012545	2.209	2.496
17)	MA 4,4'-DDT	7.020	6.177	336.2E6	2068.4E6	88.242	82.507
18)	B Endrin al...	6.915	6.252	1419598	16018685	0.495	0.930 #
20)	A Methoxychlor	7.492	6.747	410.6E6	2107.3E6	204.723	163.412
21)	B Endrin ke...	7.627	6.984	4978561	43076316	1.201m	1.617 #

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

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Acq On : 26 Aug 2025 11:51
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

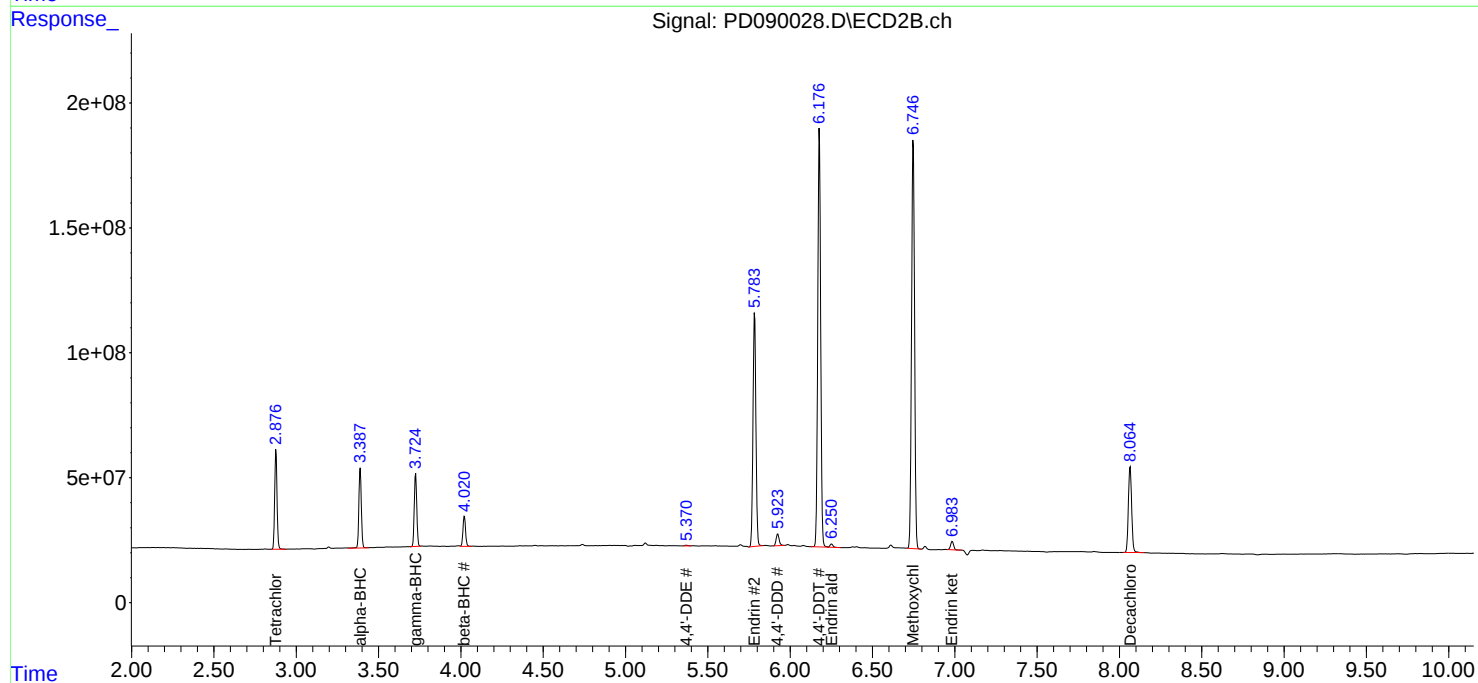
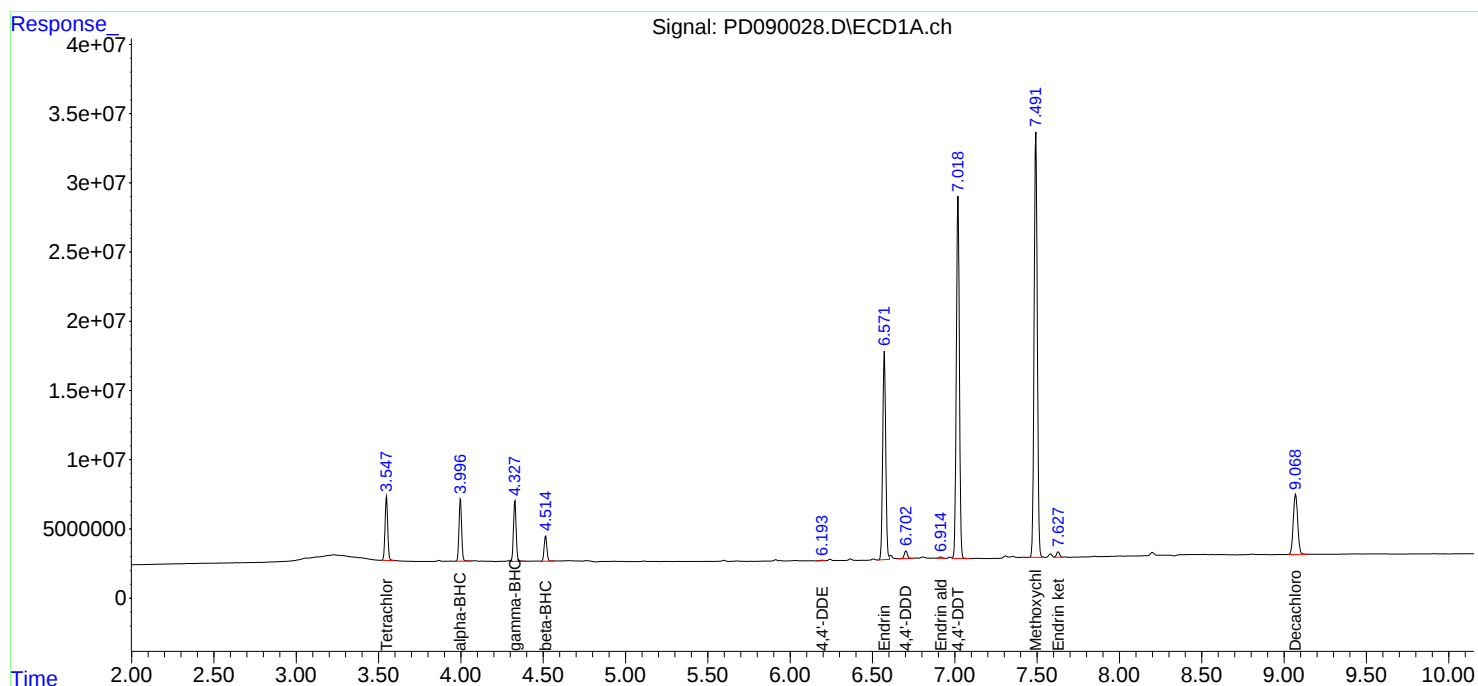
Instrument :
ECD_D
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PEM

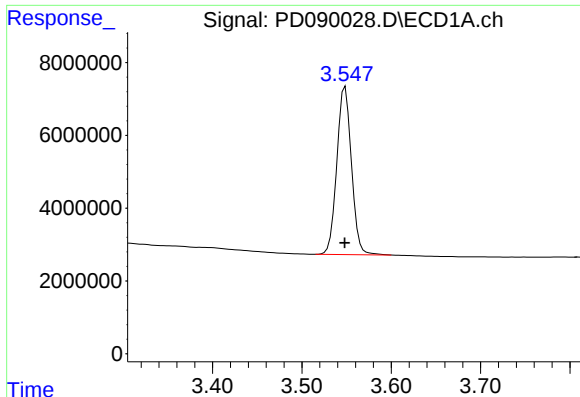
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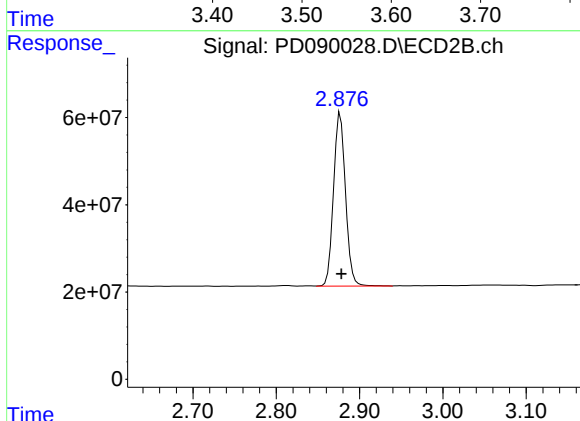
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 52434920
Conc: 17.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

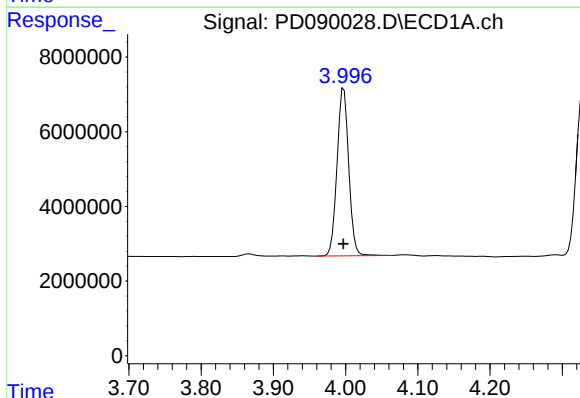
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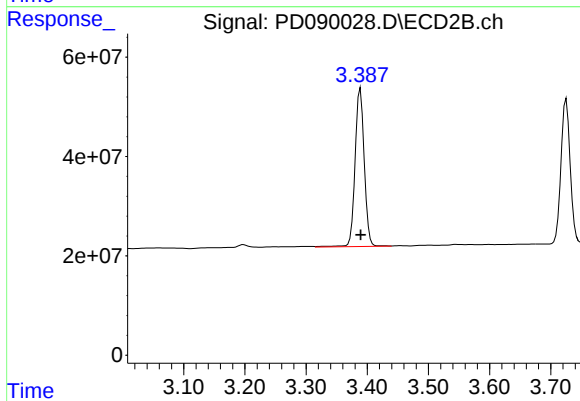
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 398266200
Conc: 18.06 ng/ml



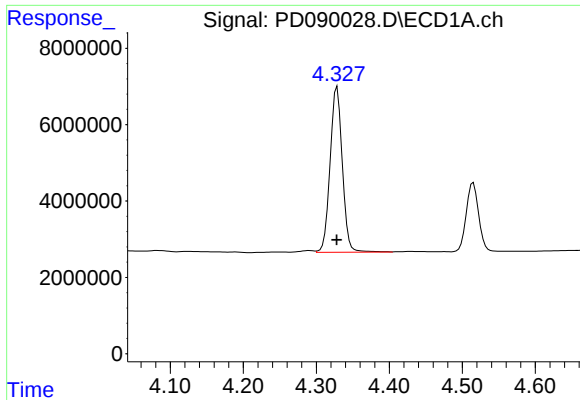
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 50501466
Conc: 8.41 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 333138667
Conc: 9.82 ng/ml



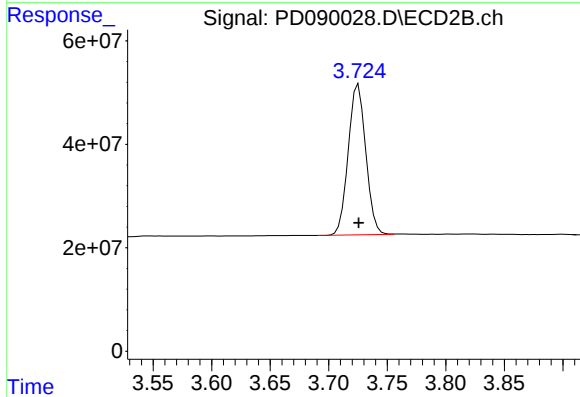
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 50462748
Conc: 8.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

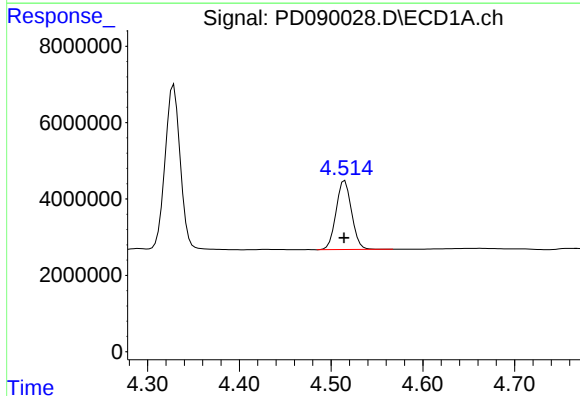
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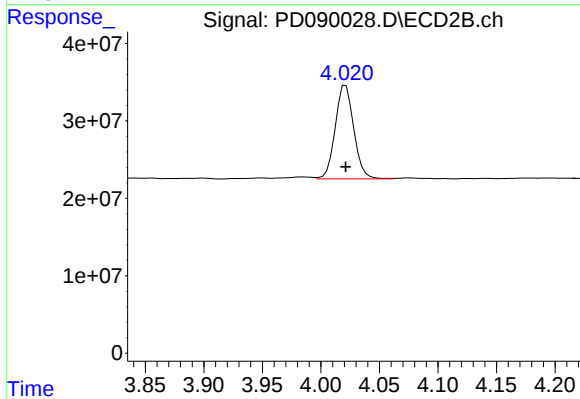
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 303375950
Conc: 9.73 ng/ml



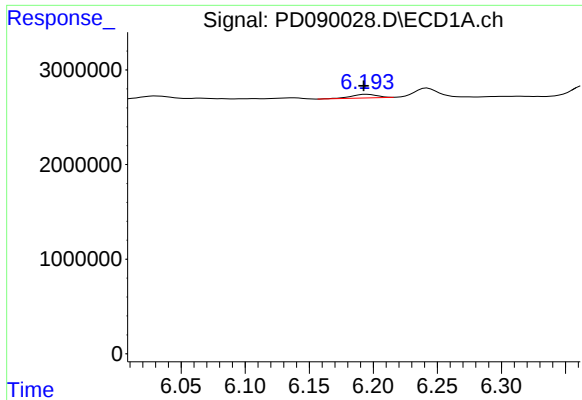
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 21223945
Conc: 9.46 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 133693351
Conc: 10.03 ng/ml



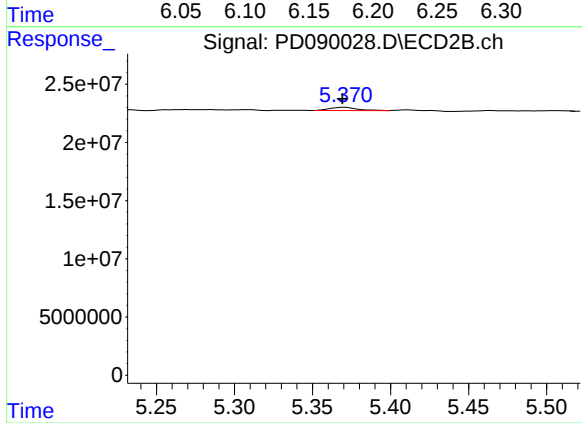
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.002 min
Response: 515759
Conc: 0.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

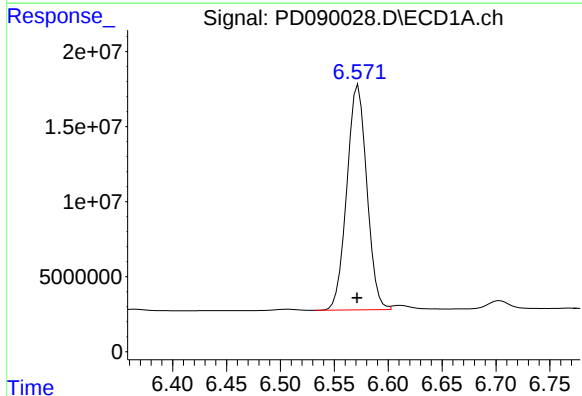
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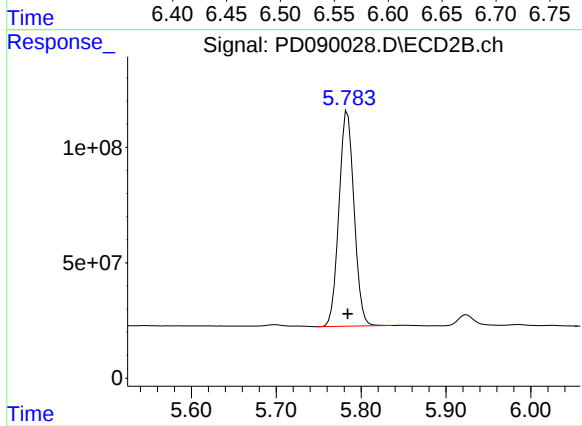
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.002 min
Response: 3392792
Conc: 0.12 ng/ml



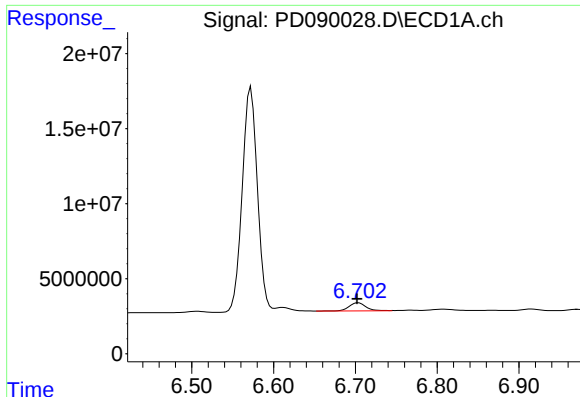
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.001 min
Response: 193642677
Conc: 46.73 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1150404981
Conc: 43.20 ng/ml



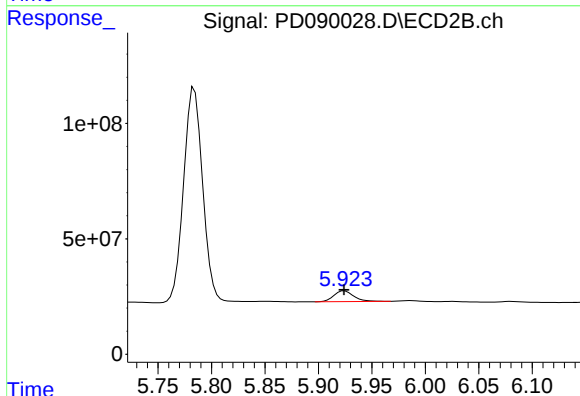
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.002 min
Response: 7642473
Conc: 2.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

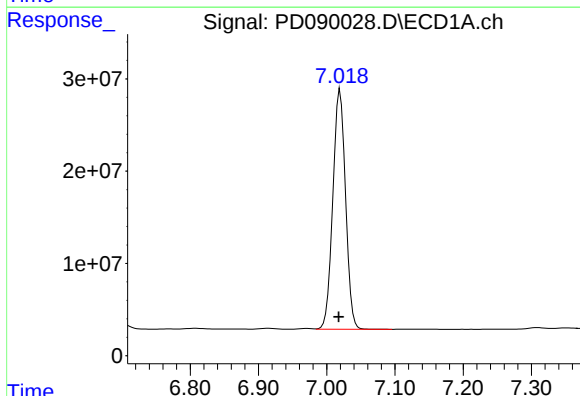
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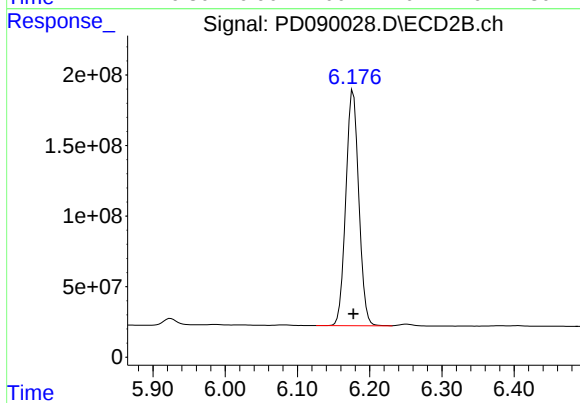
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 60012545
Conc: 2.50 ng/ml



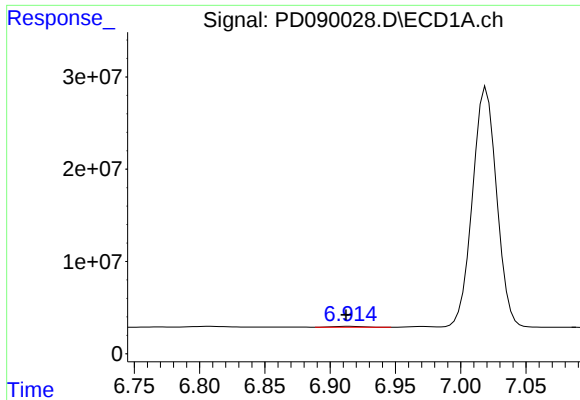
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 336179077
Conc: 88.24 ng/ml



#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 2068419533
Conc: 82.51 ng/ml



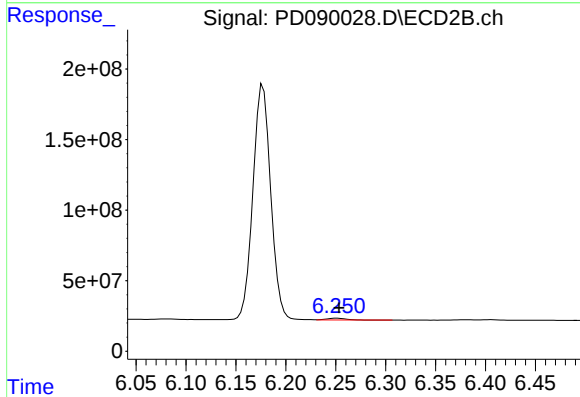
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.003 min
Response: 1419598
Conc: 0.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

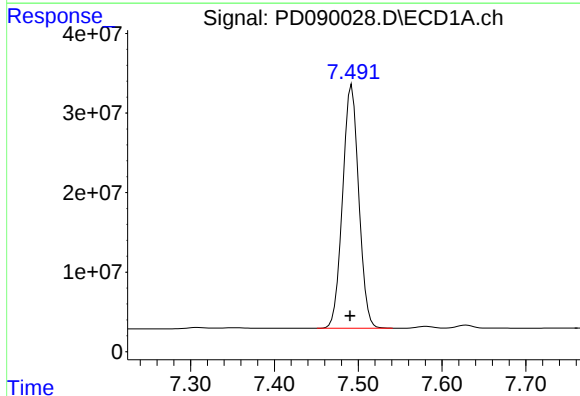
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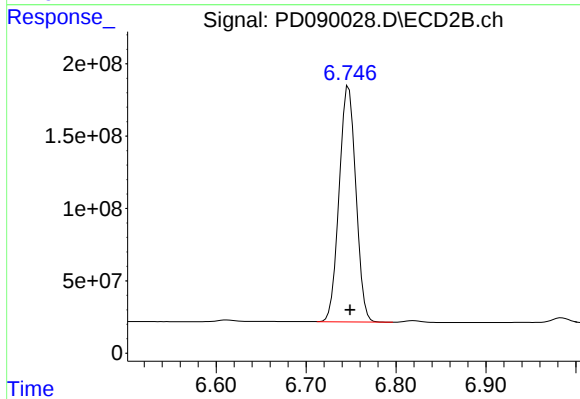
#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.002 min
Response: 16018685
Conc: 0.93 ng/ml



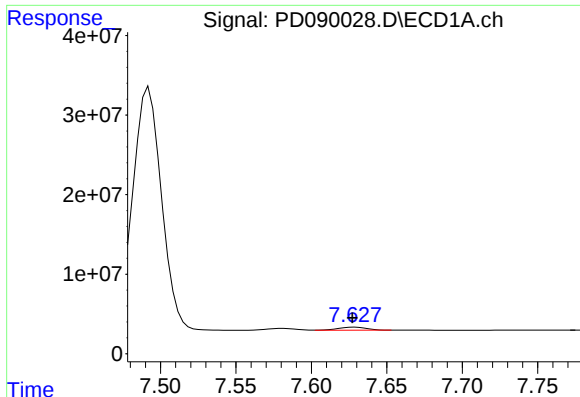
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.002 min
Response: 410595181
Conc: 204.72 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.001 min
Response: 2107323095
Conc: 163.41 ng/ml



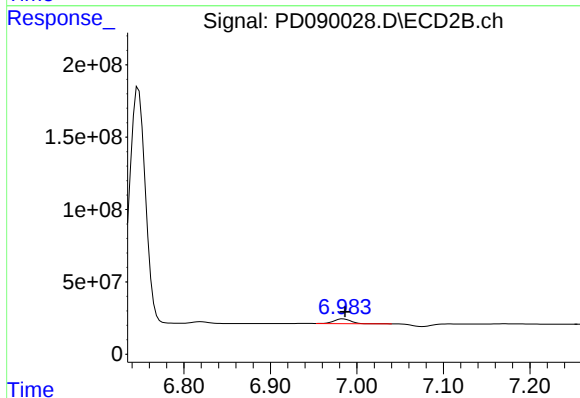
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 4978561
Conc: 1.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

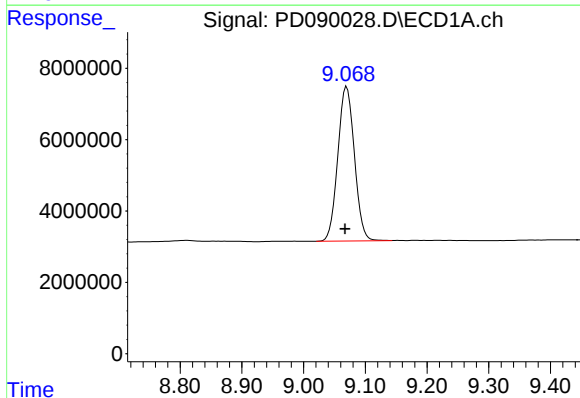
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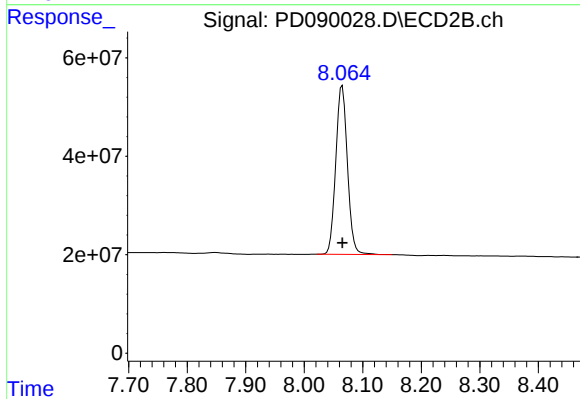
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.002 min
Response: 43076316
Conc: 1.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.003 min
Response: 80923073
Conc: 18.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 473514033
Conc: 18.29 ng/ml