

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101125\
 Data File : PD090549.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2025 15:33
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/10/2025
 Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 08:23:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.545	2.875	54628936	483.3E6	16.807	17.606
28)	SA Decachlor...	9.064	8.060	81330265	557.9E6	16.856	17.211
Target Compounds							
2)	A alpha-BHC	3.994	3.386	51447948	398.5E6	7.366	9.102
3)	MA gamma-BHC...	4.324	3.722	50256423	372.2E6	7.595	9.137
6)	B beta-BHC	4.512	4.018	22107085	159.1E6	8.569	9.180
14)	MA Endrin	6.568	5.779	197.1E6	1490.9E6	40.276	41.608
16)	A 4,4'-DDD	6.698	5.920	3907075	39270418	0.953m	1.211 #
17)	MA 4,4'-DDT	7.015	6.173	343.5E6	2716.2E6	77.146	79.008
18)	B Endrin al...	6.910	6.246	638867	16023386	0.186m	0.680 #
20)	A Methoxychlor	7.487	6.743	420.9E6	2772.4E6	178.591	159.328
21)	B Endrin ke...	7.624	6.980	2913633	1655841	0.589	0.046 #

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

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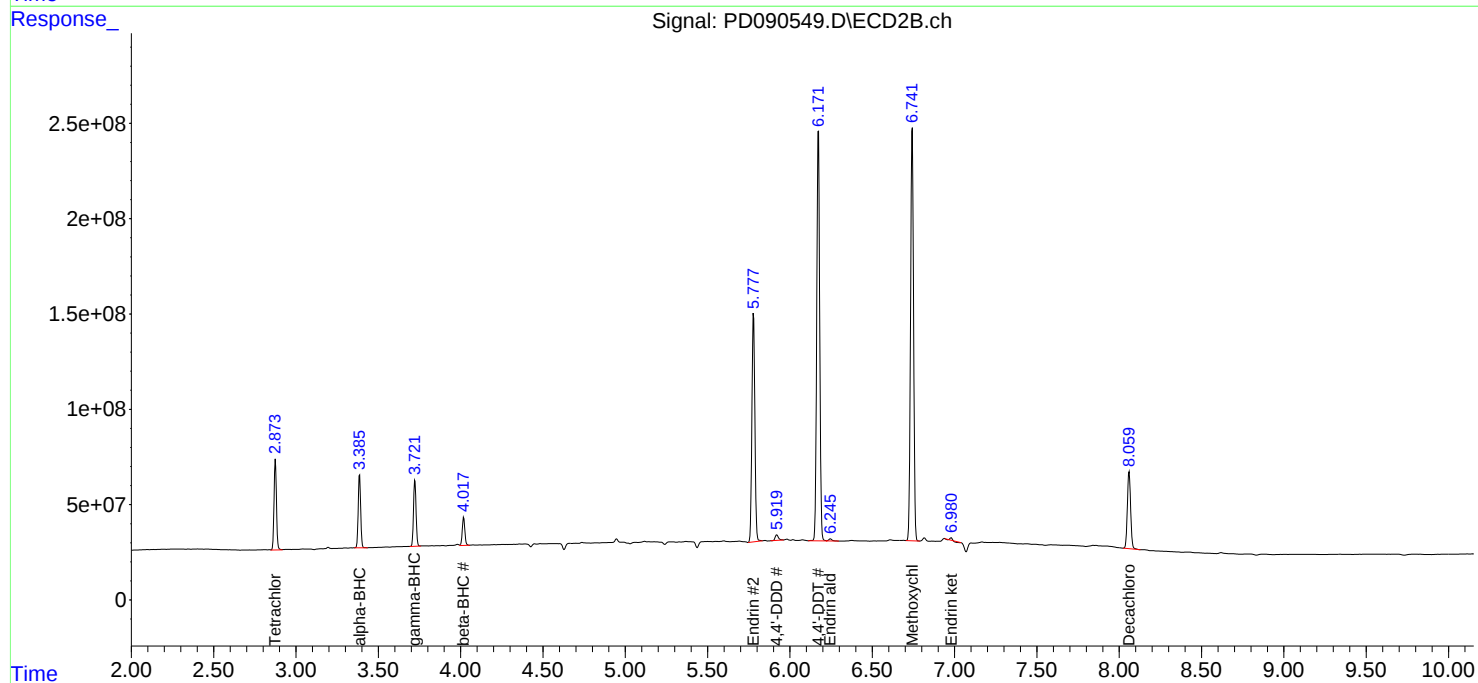
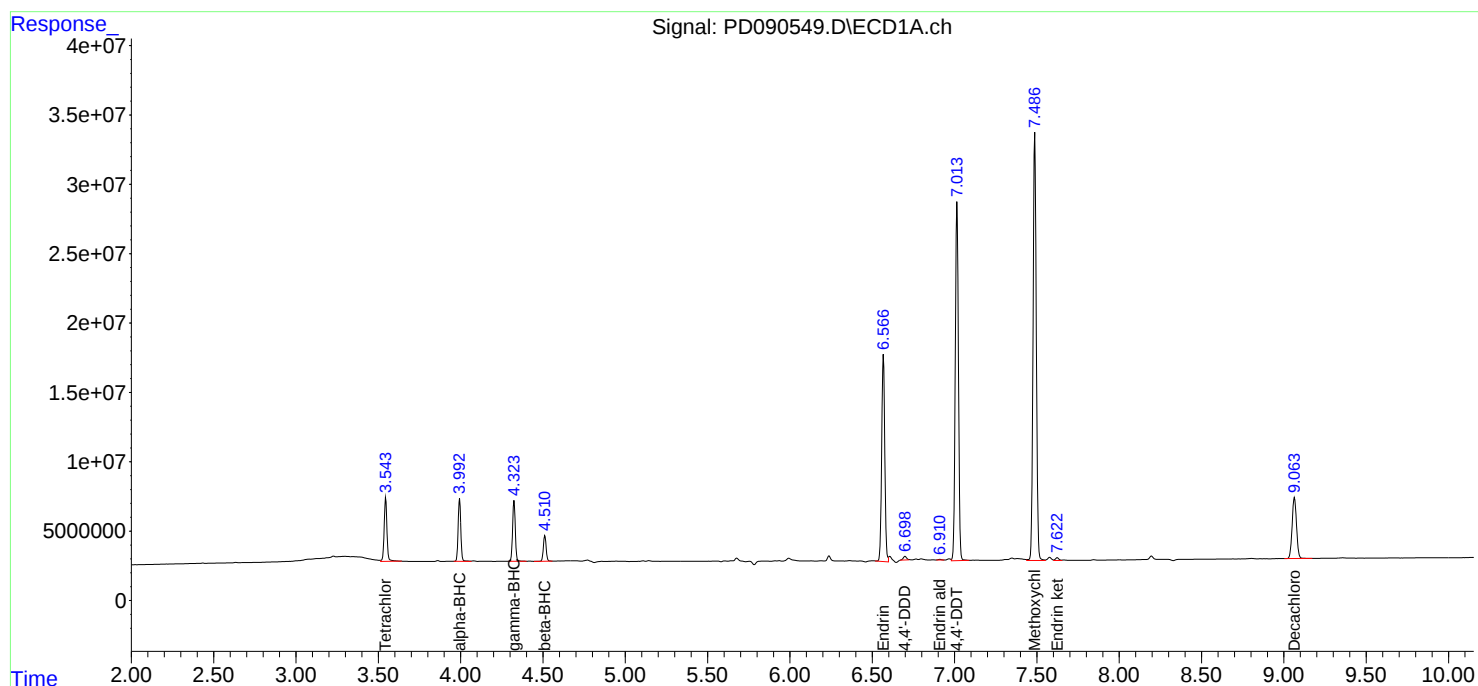
Instrument :
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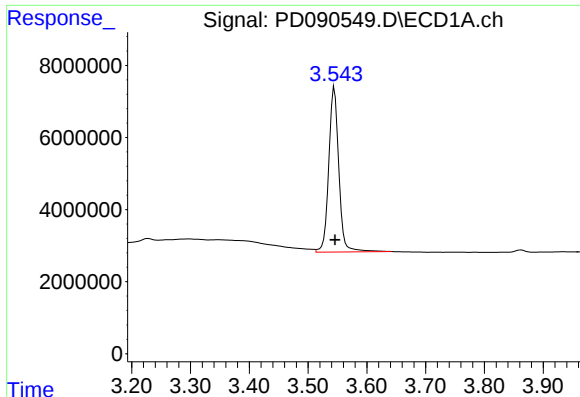
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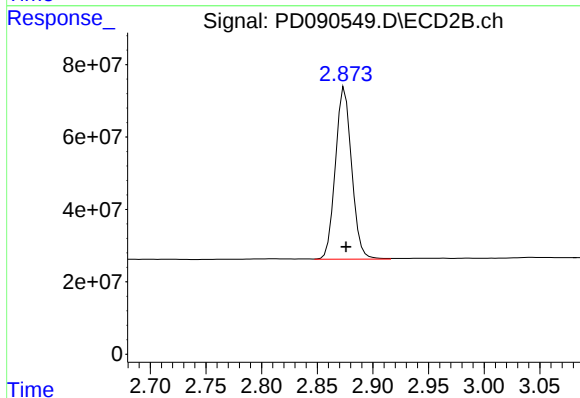
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 54628936
Conc: 16.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

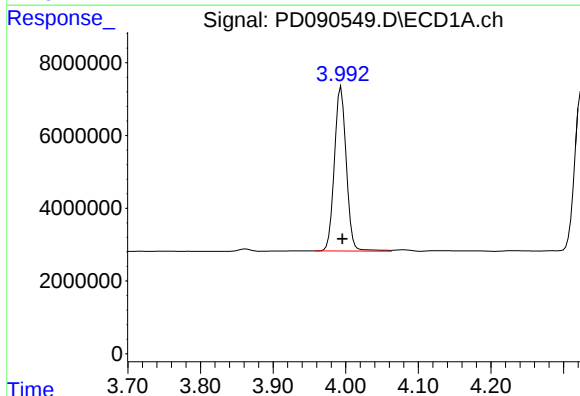
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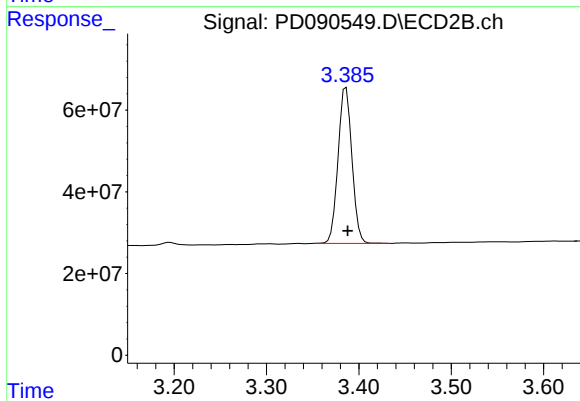
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 483294096
Conc: 17.61 ng/ml



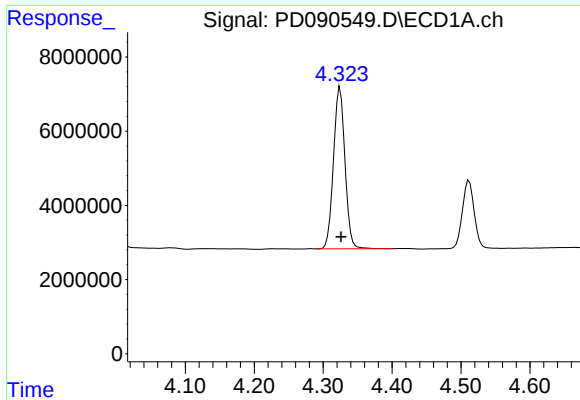
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.002 min
Response: 51447948
Conc: 7.37 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 398531966
Conc: 9.10 ng/ml



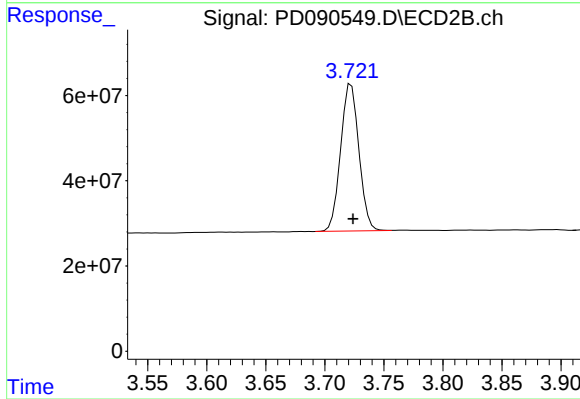
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 50256423
Conc: 7.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

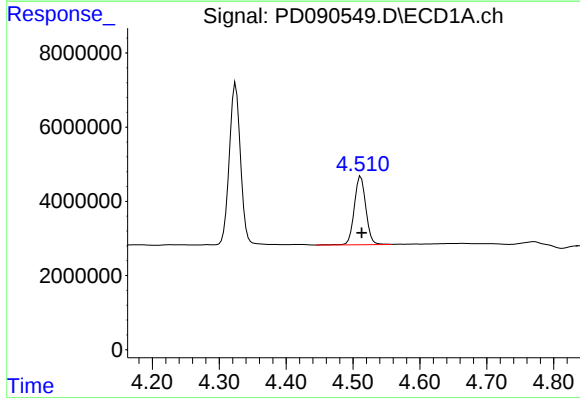
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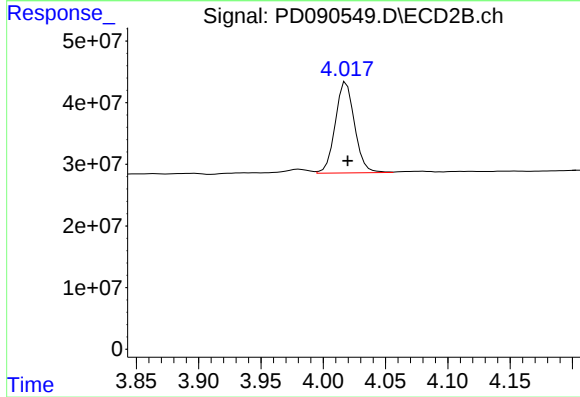
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 372215957
Conc: 9.14 ng/ml



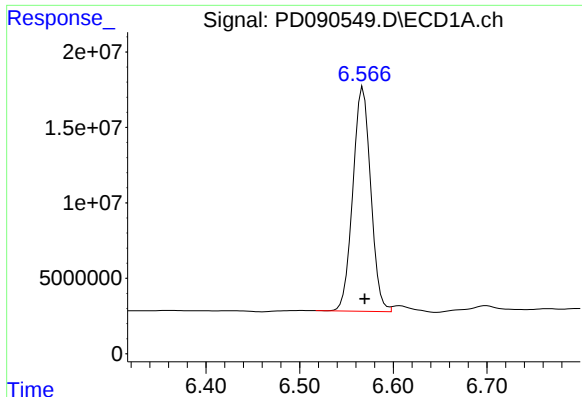
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.002 min
Response: 22107085
Conc: 8.57 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 159131478
Conc: 9.18 ng/ml



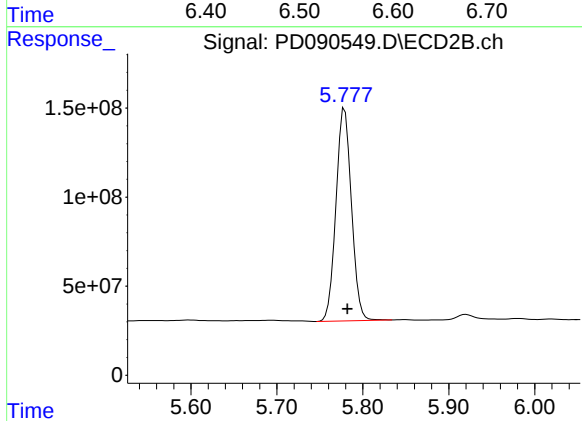
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 197106125
Conc: 40.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

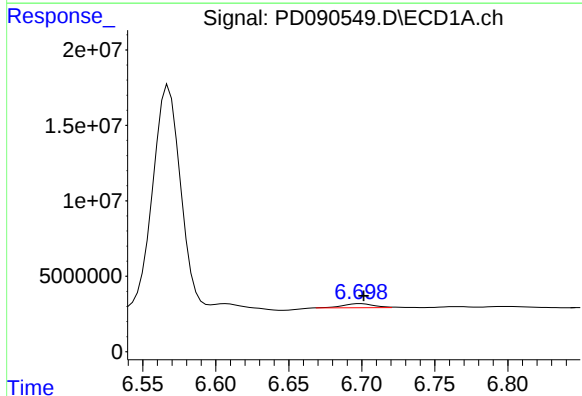
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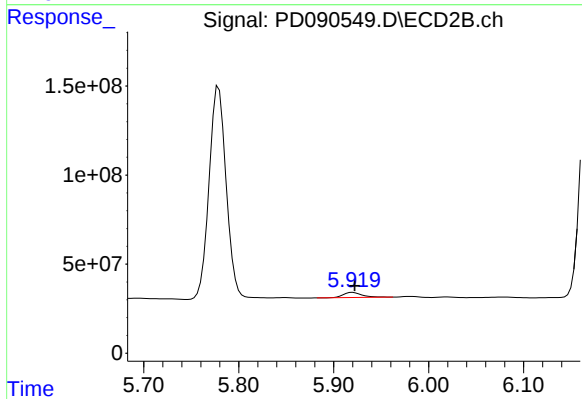
#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 1490905854
Conc: 41.61 ng/ml



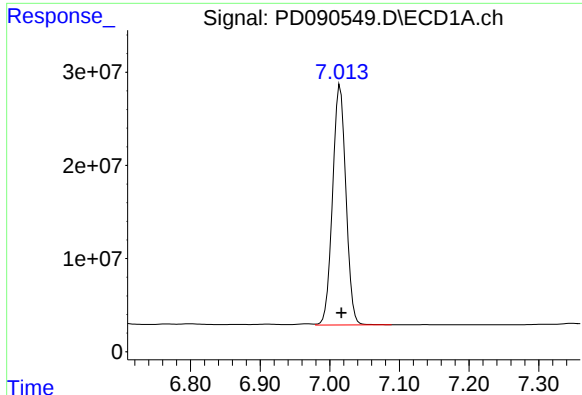
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.004 min
Response: 3907075
Conc: 0.95 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 39270418
Conc: 1.21 ng/ml



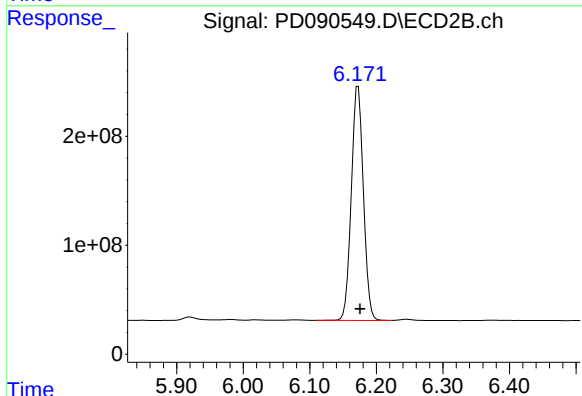
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 343489069
Conc: 77.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

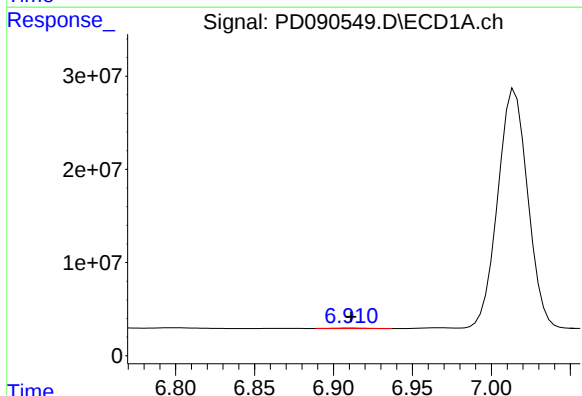
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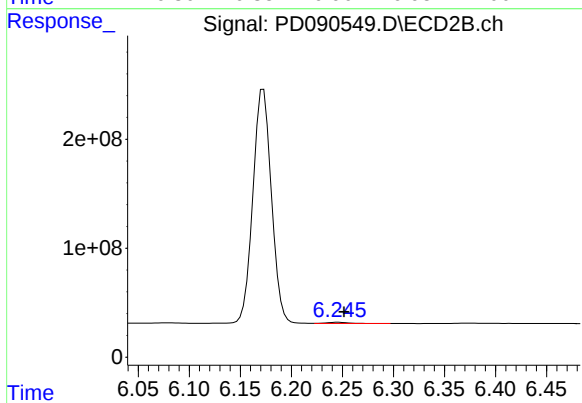
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.003 min
Response: 2716206610
Conc: 79.01 ng/ml



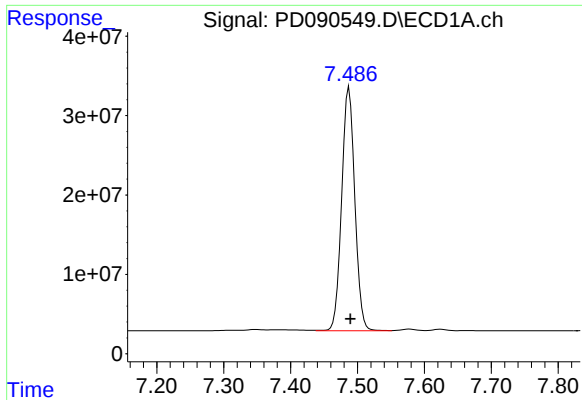
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.002 min
Response: 638867
Conc: 0.19 ng/ml m



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.006 min
Response: 16023386
Conc: 0.68 ng/ml



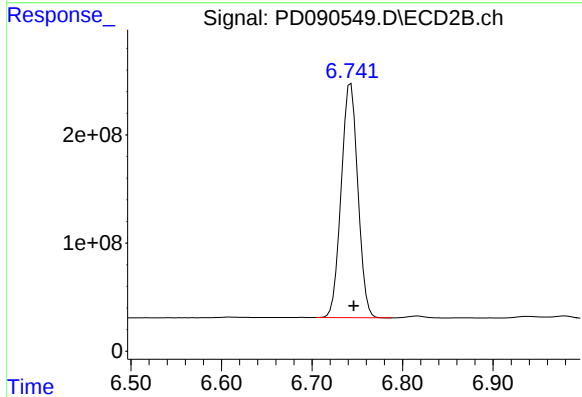
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 420851205
Conc: 178.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

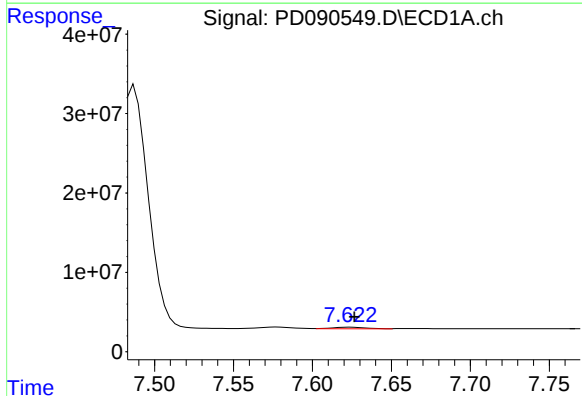
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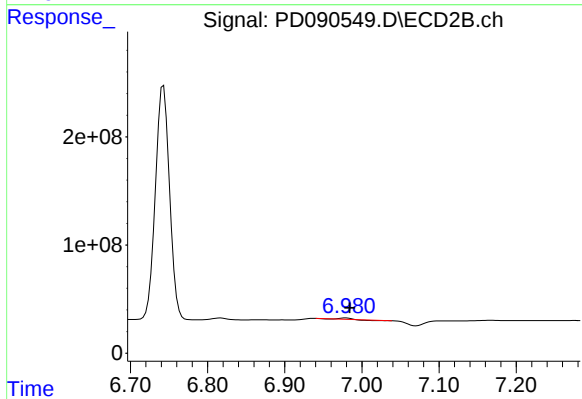
#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 2772363696
Conc: 159.33 ng/ml



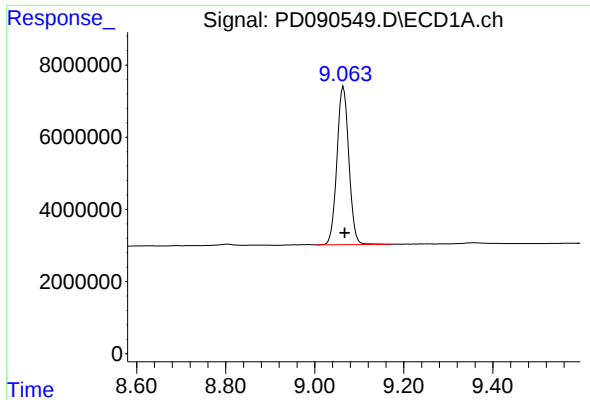
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.003 min
Response: 2913633
Conc: 0.59 ng/ml



#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.005 min
Response: 1655841
Conc: 0.05 ng/ml



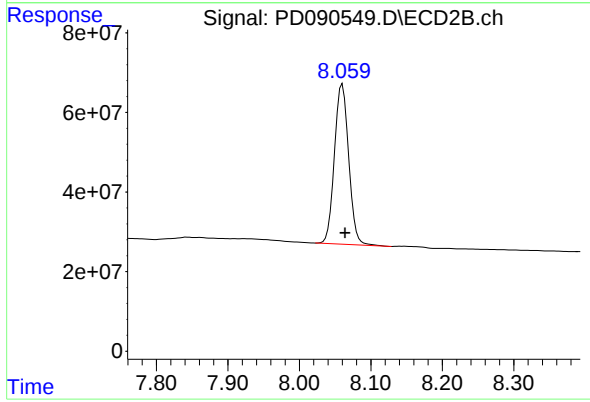
#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.003 min
Response: 81330265
Conc: 16.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 557884012
Conc: 17.21 ng/ml