

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100625\
 Data File : PD090517.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Oct 2025 10:17
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 03:21:03 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...	3.551	2.874	63919408	573.1E6	19.665	20.878
28)	SA Decachlor...	9.070	8.062	100.0E6	689.1E6	20.727	21.258
Target Compounds							
2)	A alpha-BHC	4.000	3.386	63552787	473.5E6	9.099	10.814
3)	MA gamma-BHC...	4.331	3.723	62135828	444.0E6	9.391	10.899
6)	B beta-BHC	4.518	4.019	26092792	190.6E6	10.114	10.993
14)	MA Endrin	6.574	5.781	246.4E6	1747.9E6	50.342	48.780
16)	A 4,4'-DDD	6.705	5.921	7751228	39683864	1.892	1.224 #
17)	MA 4,4'-DDT	7.021	6.174	444.1E6	3335.9E6	99.743	97.033
18)	B Endrin al...	6.915	6.248	929918	18951972	0.271m	0.805 #
20)	A Methoxychlor	7.493	6.744	532.8E6	3168.7E6	226.111	182.107
21)	B Endrin ke...	7.630	6.982	4358371	32675117	0.881	0.905

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

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Acq On : 06 Oct 2025 10:17
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

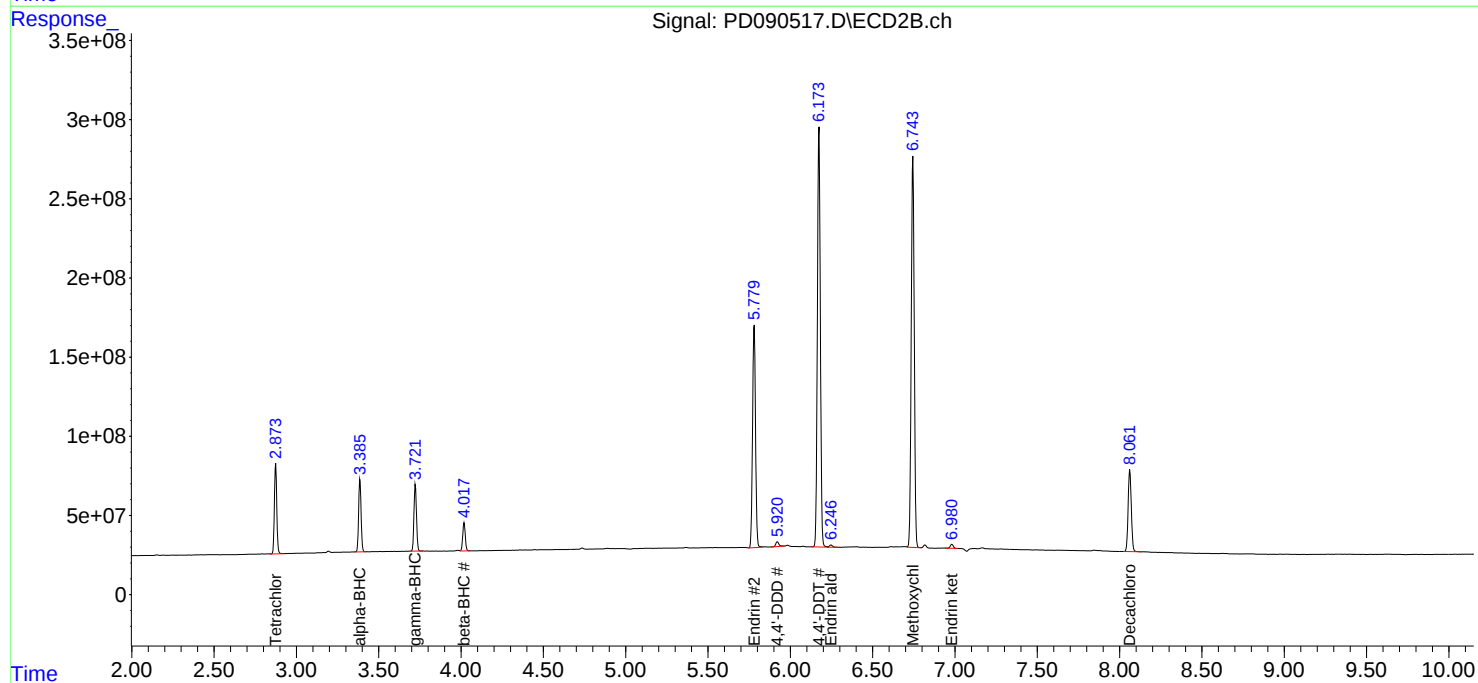
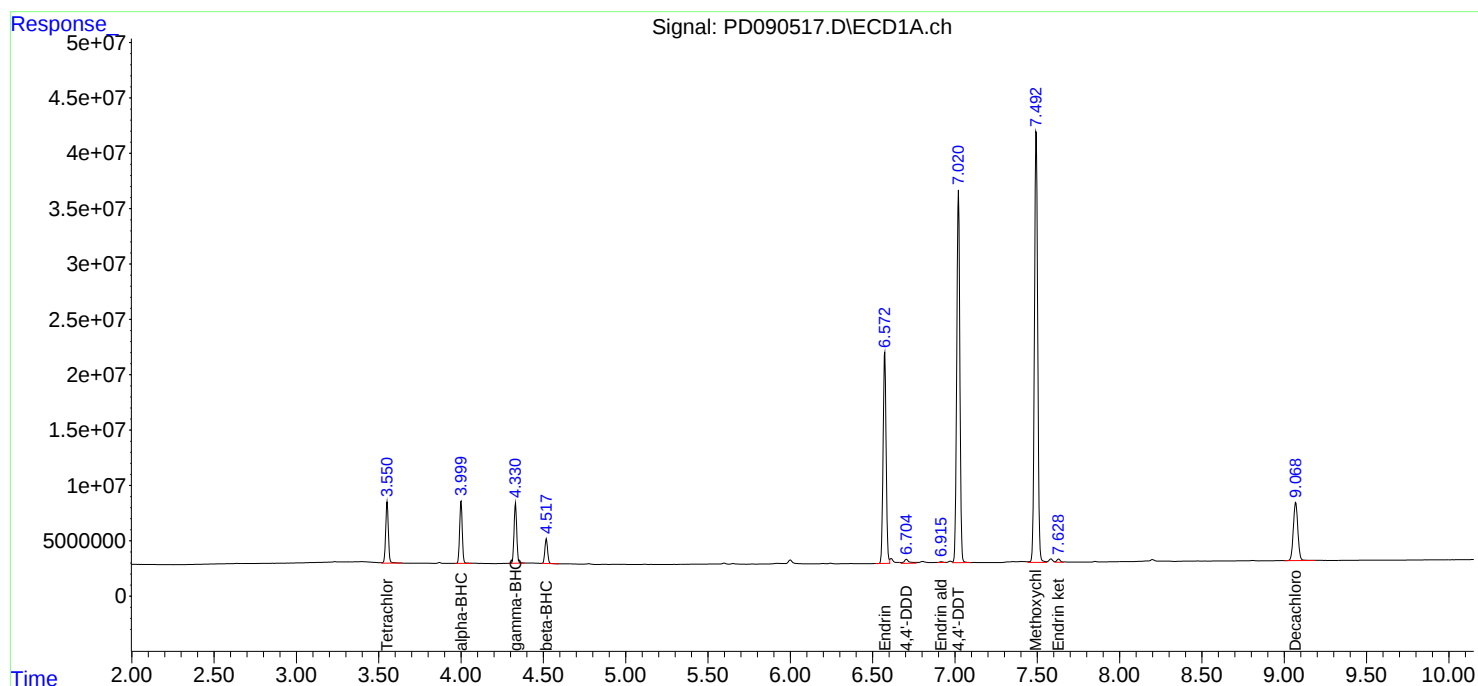
Instrument :
ECD_D
ClientSampleId :
PEM

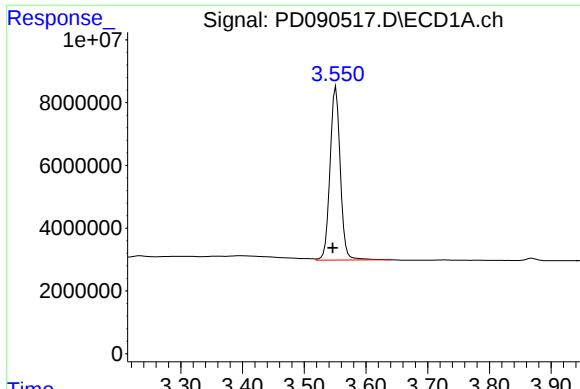
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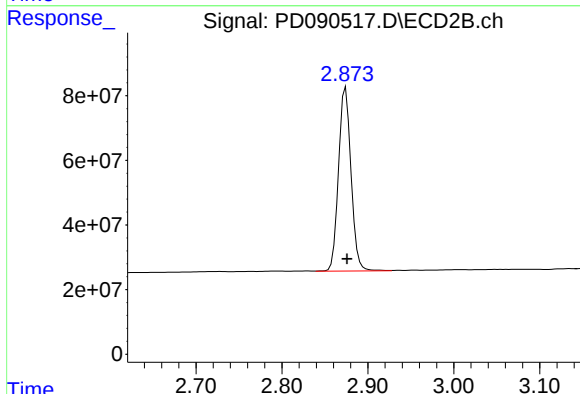
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.005 min
Response: 63919408
Conc: 19.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

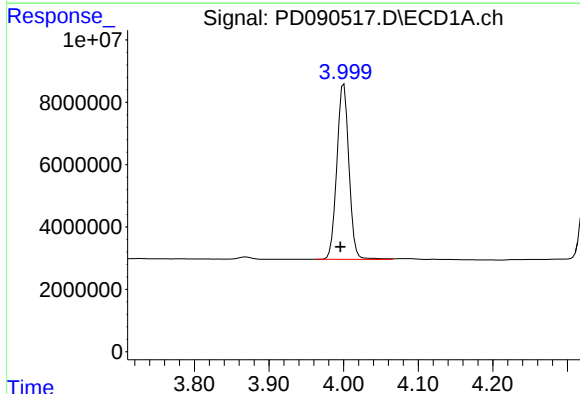
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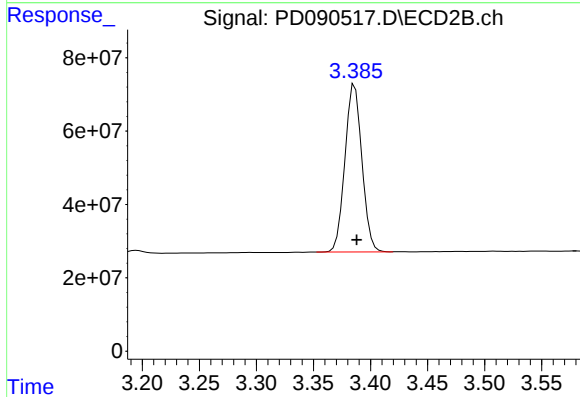
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 573091317
Conc: 20.88 ng/ml



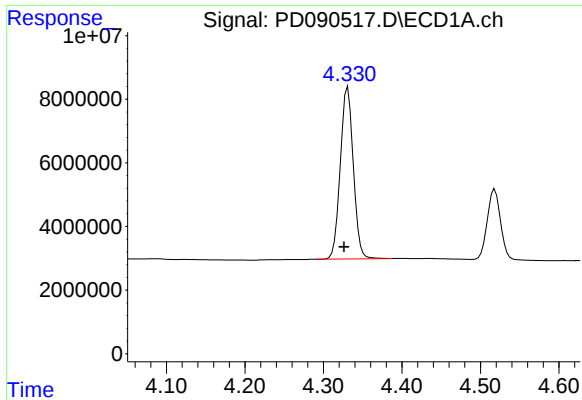
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.005 min
Response: 63552787
Conc: 9.10 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 473462622
Conc: 10.81 ng/ml



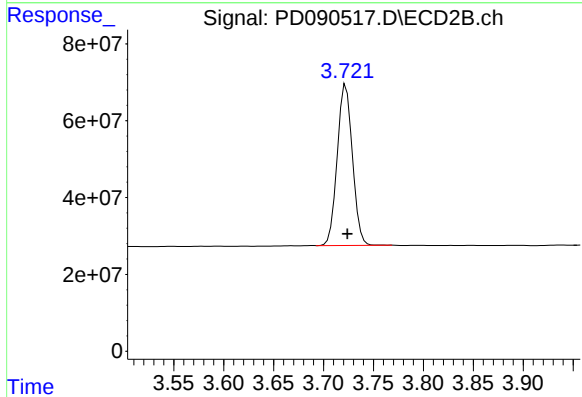
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.005 min
Response: 62135828
Conc: 9.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

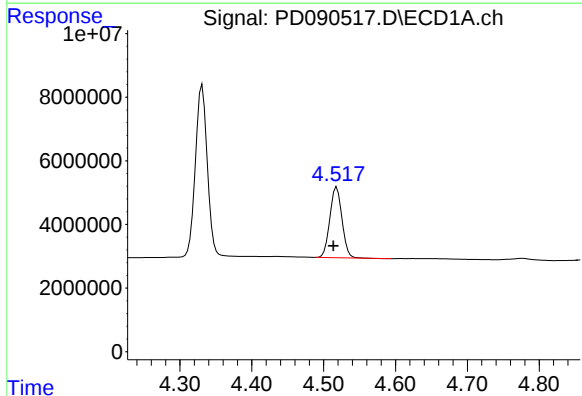
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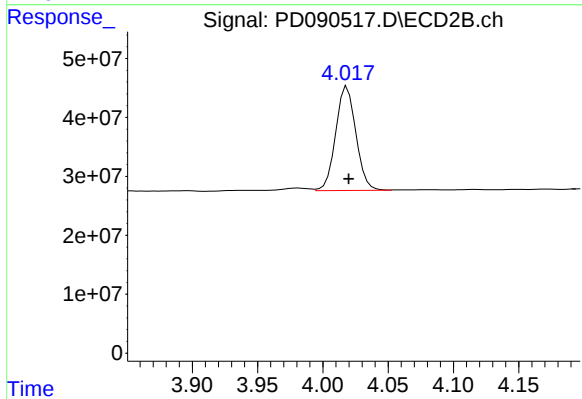
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 443978954
Conc: 10.90 ng/ml



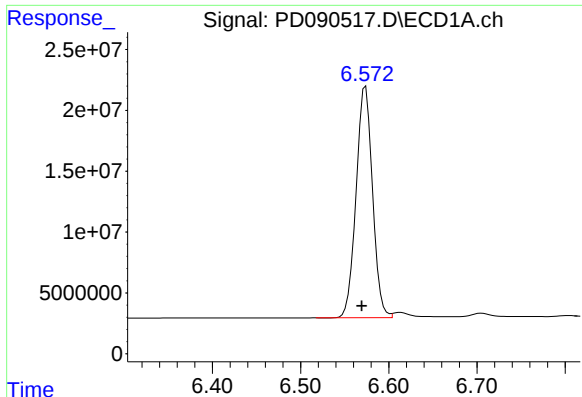
#6 beta-BHC

R.T.: 4.518 min
Delta R.T.: 0.005 min
Response: 26092792
Conc: 10.11 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 190568222
Conc: 10.99 ng/ml



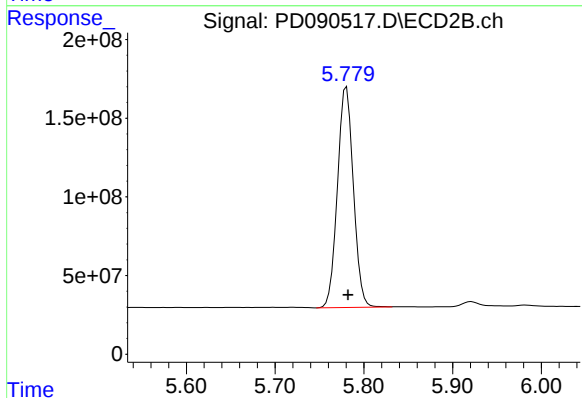
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.004 min
Response: 246370161
Conc: 50.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

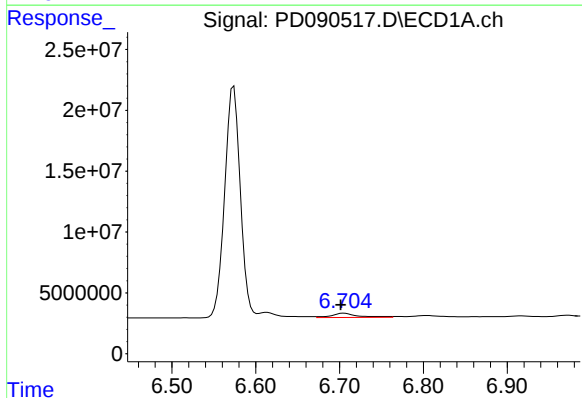
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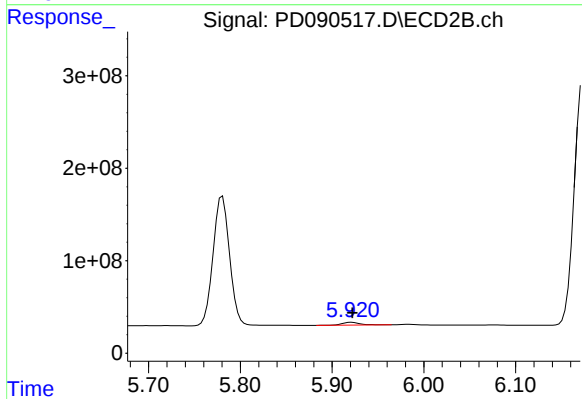
#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.002 min
Response: 1747891756
Conc: 48.78 ng/ml



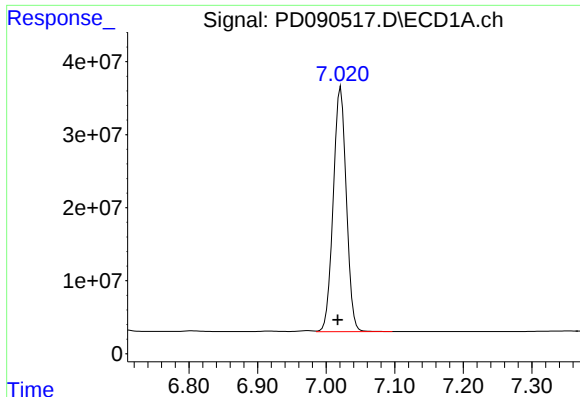
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.004 min
Response: 7751228
Conc: 1.89 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 39683864
Conc: 1.22 ng/ml



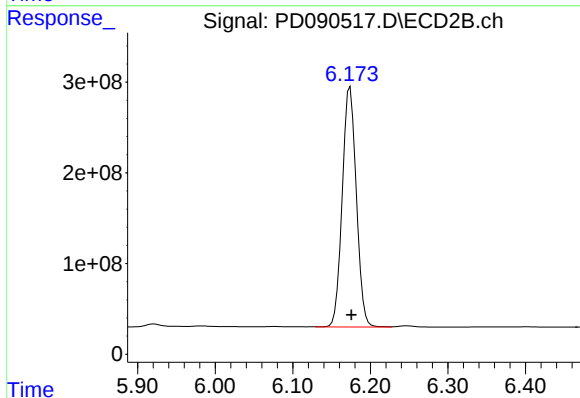
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.004 min
Response: 444100011
Conc: 99.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

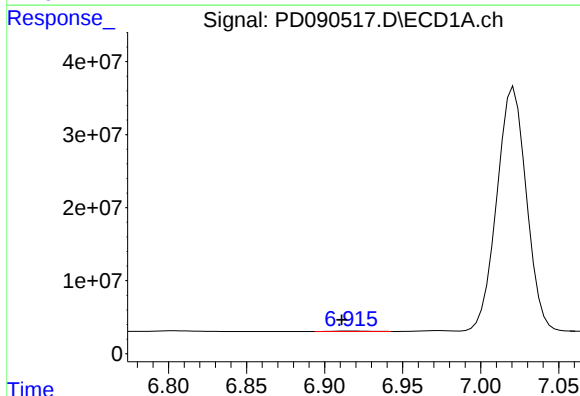
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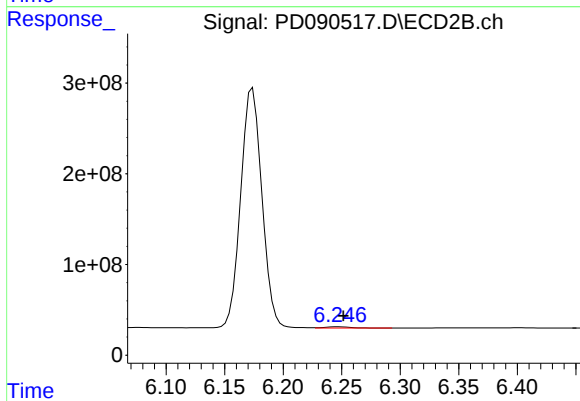
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 3335919701
Conc: 97.03 ng/ml



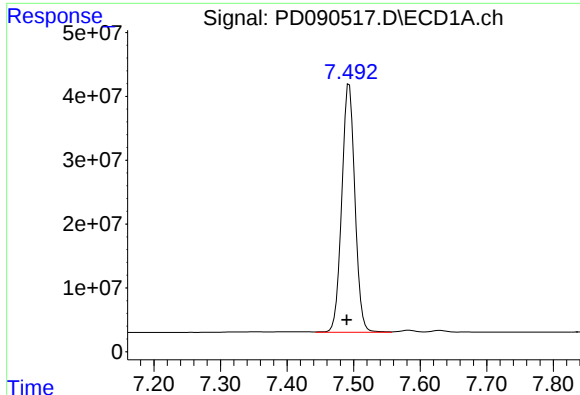
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.004 min
Response: 929918
Conc: 0.27 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.004 min
Response: 18951972
Conc: 0.80 ng/ml



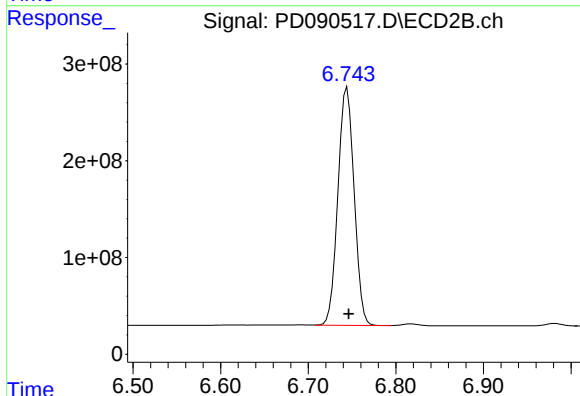
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.004 min
Response: 532834049
Conc: 226.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

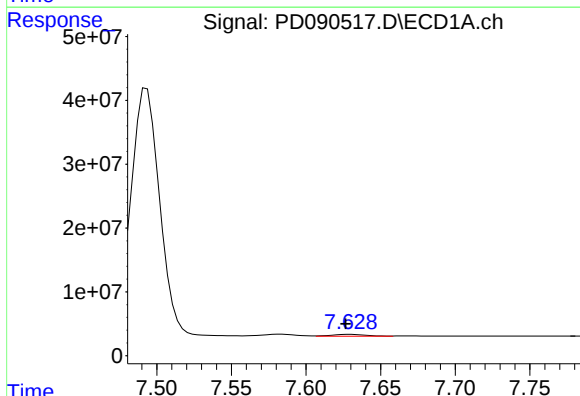
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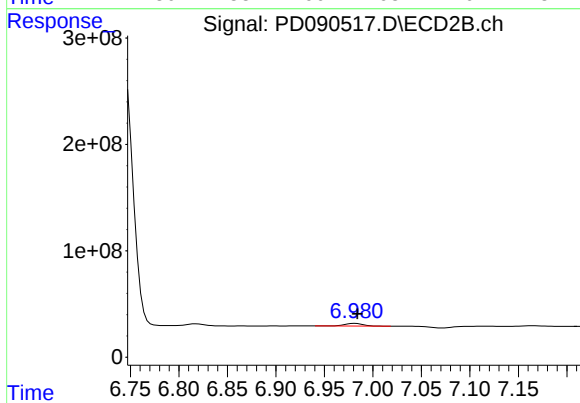
#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 3168731272
Conc: 182.11 ng/ml



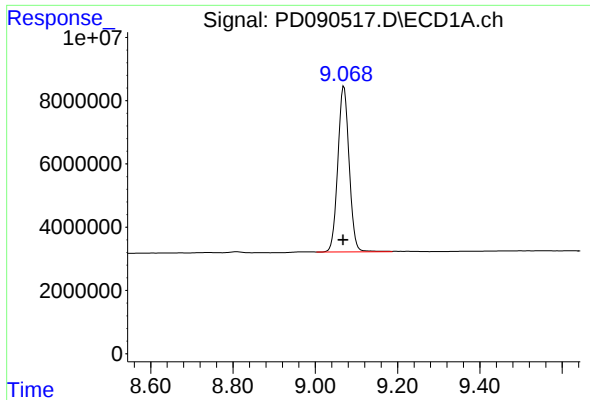
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.003 min
Response: 4358371
Conc: 0.88 ng/ml



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.003 min
Response: 32675117
Conc: 0.91 ng/ml



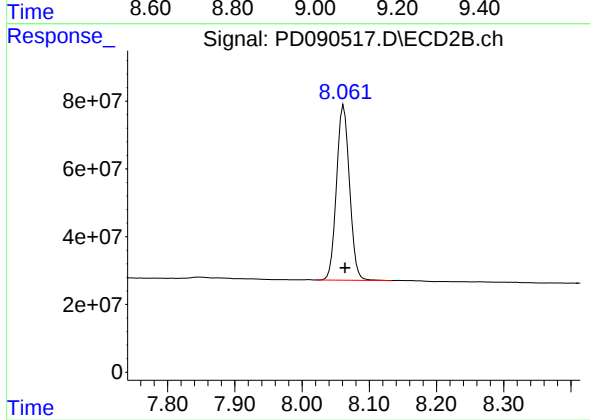
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.002 min
Response: 100009492
Conc: 20.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 689078467
Conc: 21.26 ng/ml