

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112025\
 Data File : PD091299.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Nov 2025 09:03
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/21/2025
 Supervised By :mohammad ahmed 11/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 22:43:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 15 04:46:13 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...	3.542	2.871	66881293	739.5E6	19.394	20.188
28)	SA Decachlor...	9.059	8.054	95835031	817.0E6	19.237	20.643
Target Compounds							
2)	A alpha-BHC	3.991	3.382	65385903	620.4E6	8.178	9.815
3)	MA gamma-BHC...	4.321	3.718	63143731	574.8E6	8.450	9.940
6)	B beta-BHC	4.509	4.014	28035514	242.0E6	9.649	10.072
12)	B 4,4'-DDE	6.186	5.359	1275903	14584830	0.220	0.273m
14)	MA Endrin	6.564	5.774	229.3E6	2220.2E6	46.204	49.127
16)	A 4,4'-DDD	6.696	5.915	20695629	209.6E6	4.214	4.290
17)	MA 4,4'-DDT	7.011	6.168	365.5E6	3743.1E6	88.386	95.652
18)	B Endrin al...	6.906	6.243	4565448	43878602	1.096	1.243
20)	A Methoxychlor	7.484	6.738	433.6E6	3762.7E6	199.427	187.650
21)	B Endrin ke...	7.620	6.976	11050258	129.6E6	1.962	2.544 #

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

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Acq On : 20 Nov 2025 09:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

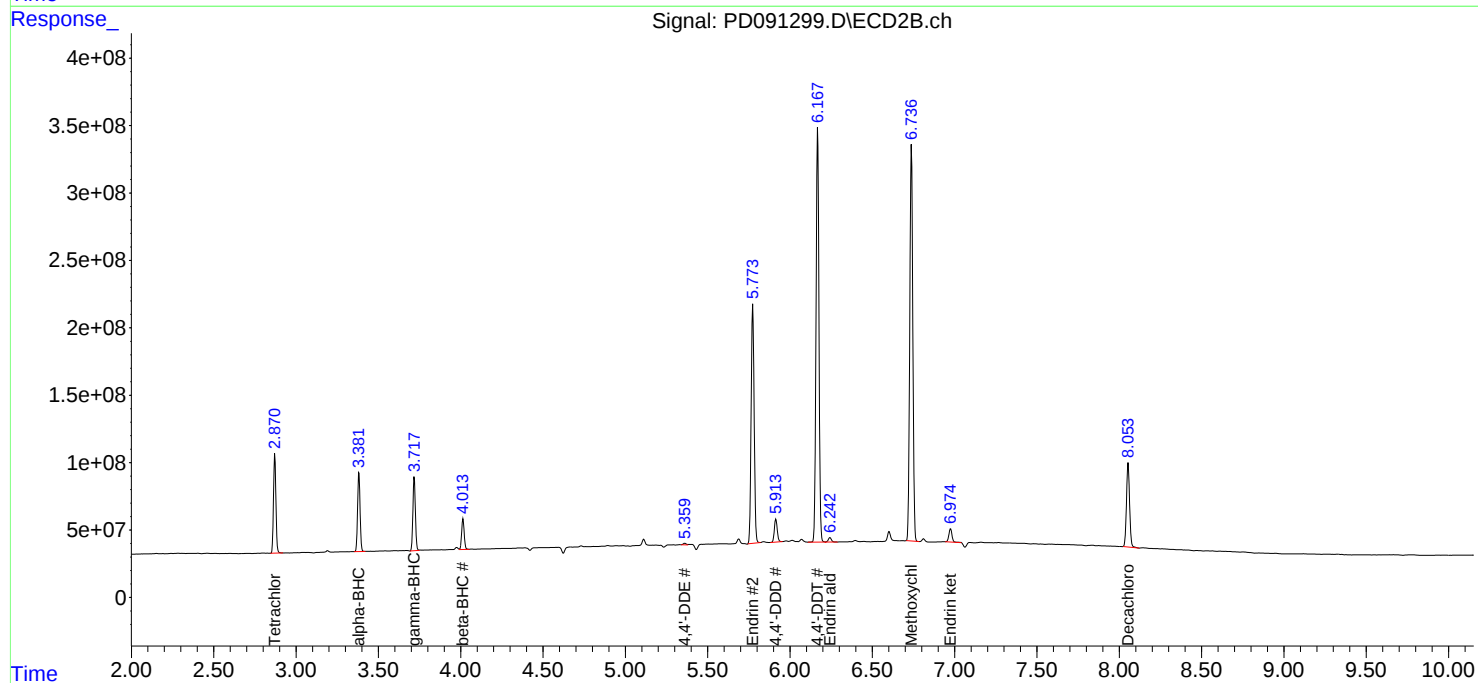
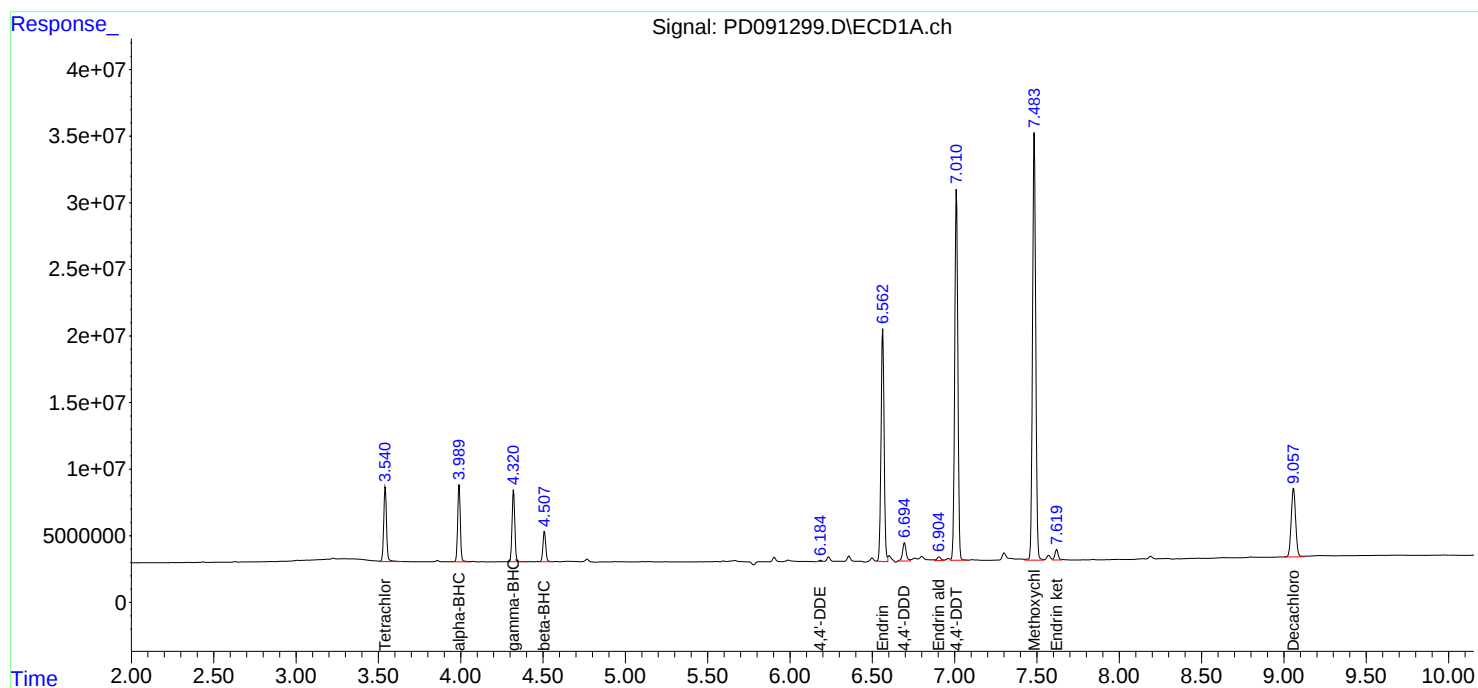
Instrument :
ECD_D
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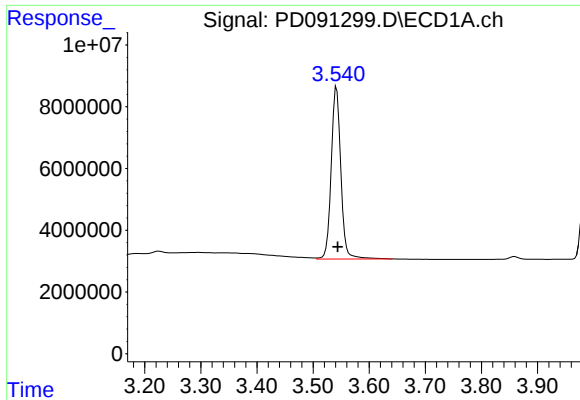
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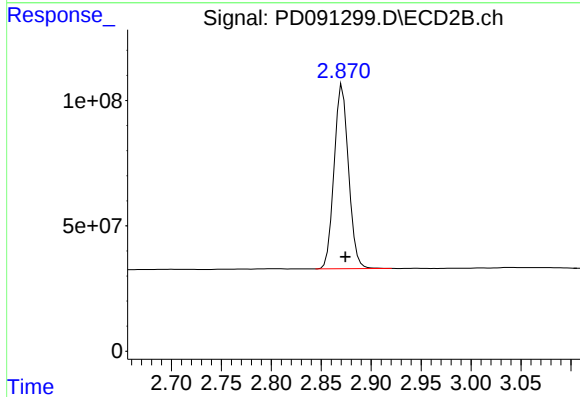
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 66881293
Conc: 19.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

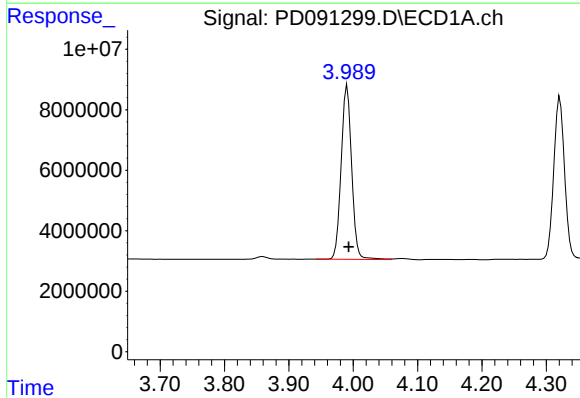
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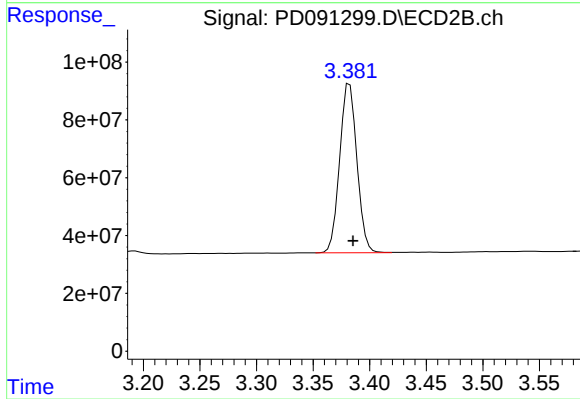
#1 Tetrachloro-m-xylene

R.T.: 2.871 min
Delta R.T.: -0.003 min
Response: 739487505
Conc: 20.19 ng/ml



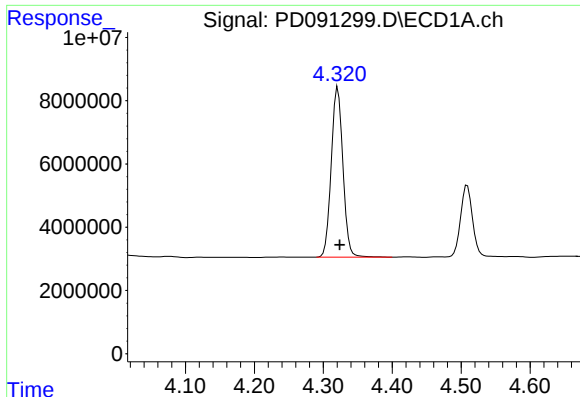
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.002 min
Response: 65385903
Conc: 8.18 ng/ml



#2 alpha-BHC

R.T.: 3.382 min
Delta R.T.: -0.003 min
Response: 620360733
Conc: 9.82 ng/ml



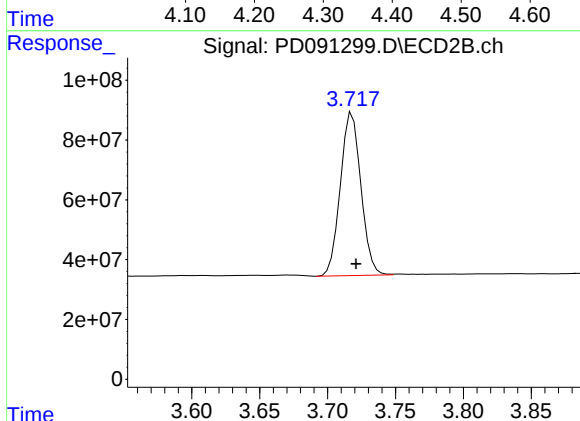
#3 gamma-BHC (Lindane)

R.T.: 4.321 min
Delta R.T.: -0.003 min
Response: 63143731
Conc: 8.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

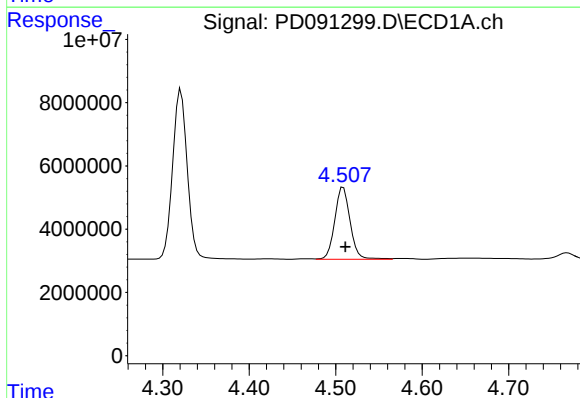
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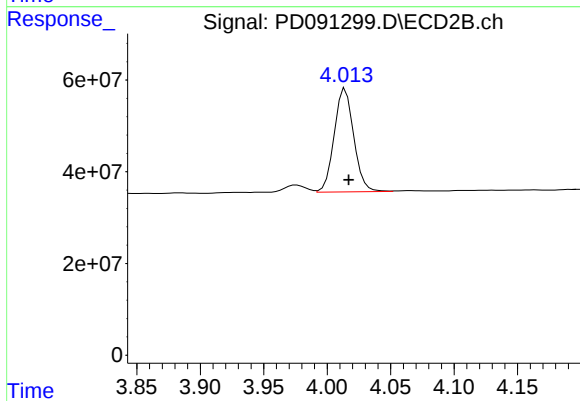
#3 gamma-BHC (Lindane)

R.T.: 3.718 min
Delta R.T.: -0.003 min
Response: 574752729
Conc: 9.94 ng/ml



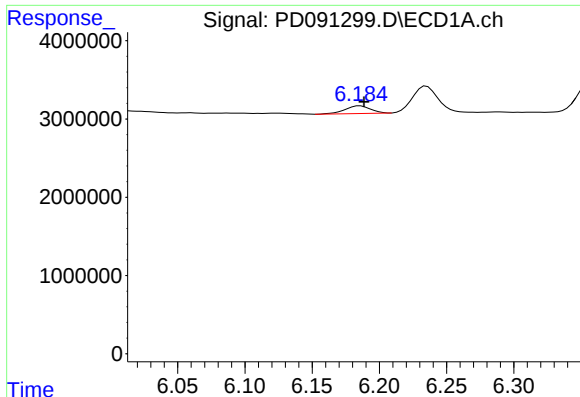
#6 beta-BHC

R.T.: 4.509 min
Delta R.T.: -0.002 min
Response: 28035514
Conc: 9.65 ng/ml



#6 beta-BHC

R.T.: 4.014 min
Delta R.T.: -0.003 min
Response: 241994076
Conc: 10.07 ng/ml



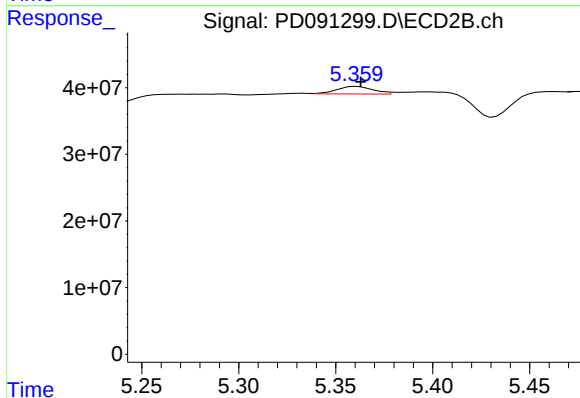
#12 4,4'-DDE

R.T.: 6.186 min
Delta R.T.: -0.003 min
Response: 1275903
Conc: 0.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

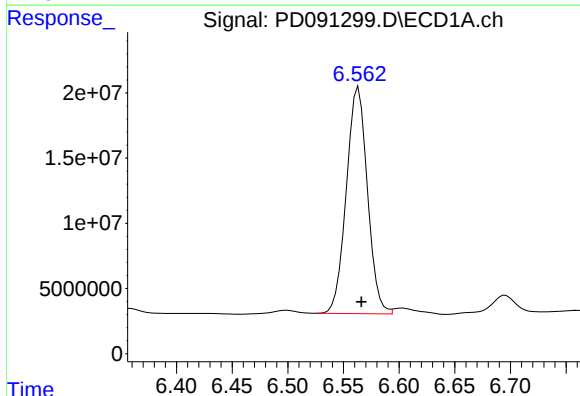
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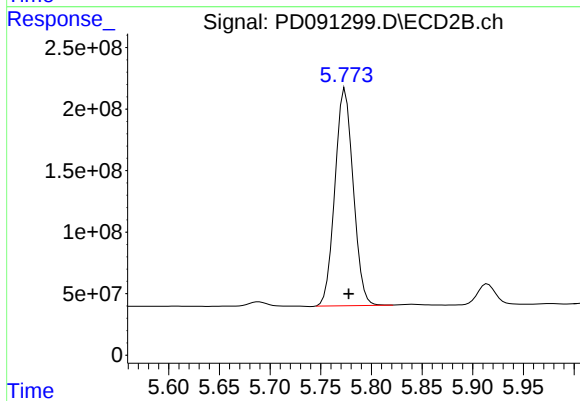
#12 4,4'-DDE

R.T.: 5.359 min
Delta R.T.: -0.004 min
Response: 14584830
Conc: 0.27 ng/ml m



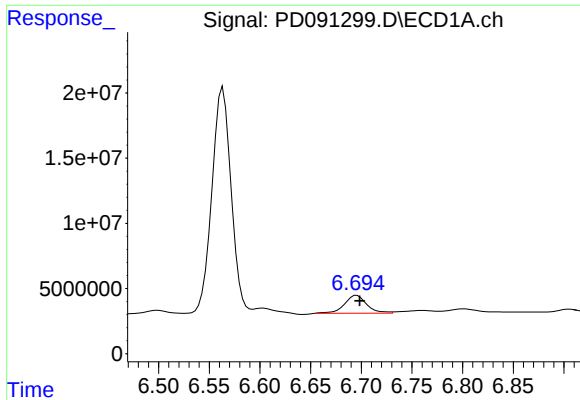
#14 Endrin

R.T.: 6.564 min
Delta R.T.: -0.003 min
Response: 229333331
Conc: 46.20 ng/ml



#14 Endrin

R.T.: 5.774 min
Delta R.T.: -0.003 min
Response: 2220164320
Conc: 49.13 ng/ml



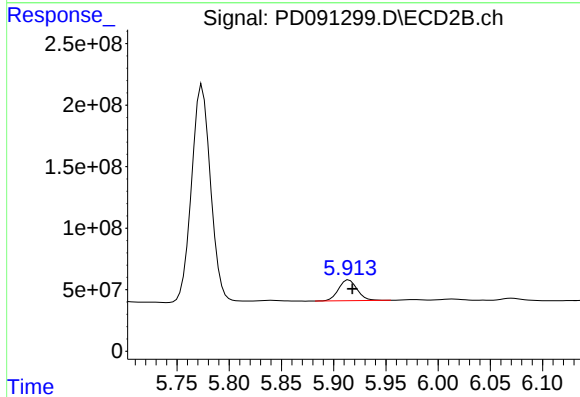
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.003 min
Response: 20695629
Conc: 4.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

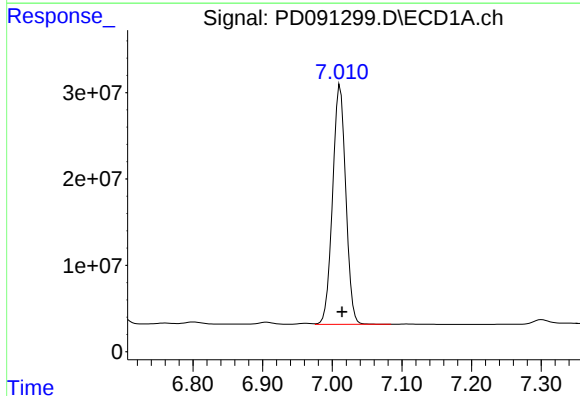
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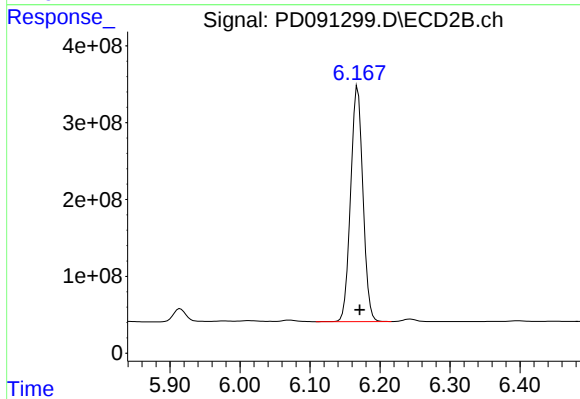
#16 4,4'-DDD

R.T.: 5.915 min
Delta R.T.: -0.003 min
Response: 209626206
Conc: 4.29 ng/ml



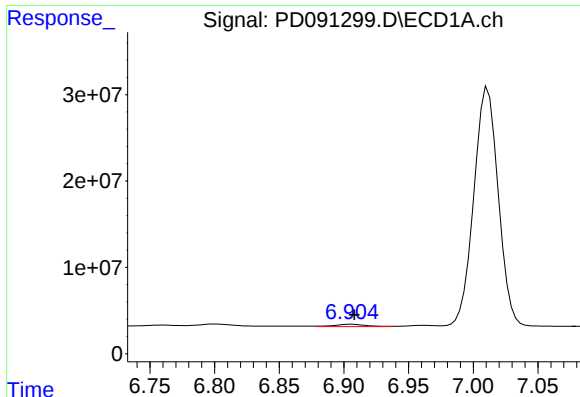
#17 4,4'-DDT

R.T.: 7.011 min
Delta R.T.: -0.003 min
Response: 365519566
Conc: 88.39 ng/ml



#17 4,4'-DDT

R.T.: 6.168 min
Delta R.T.: -0.003 min
Response: 3743097621
Conc: 95.65 ng/ml



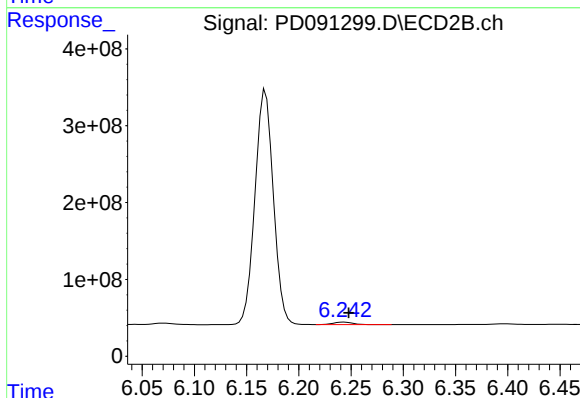
#18 Endrin aldehyde

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 4565448
Conc: 1.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

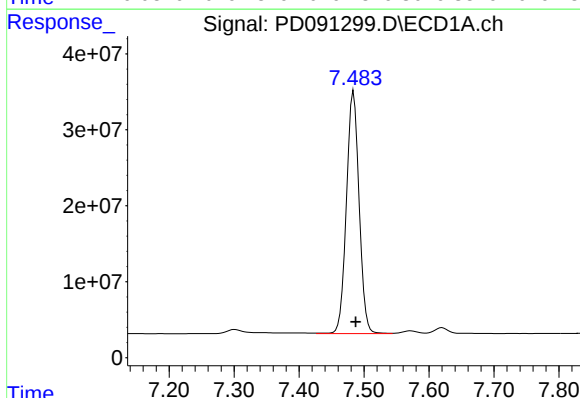
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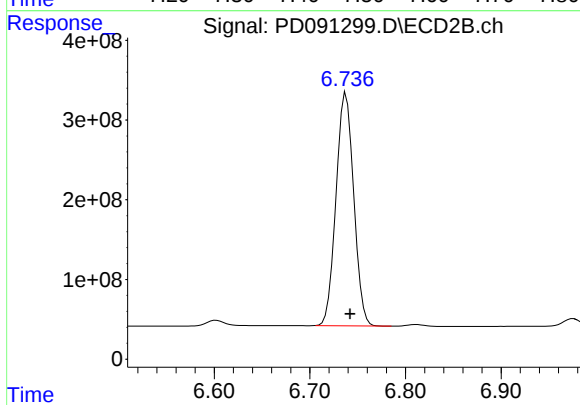
#18 Endrin aldehyde

R.T.: 6.243 min
Delta R.T.: -0.005 min
Response: 43878602
Conc: 1.24 ng/ml



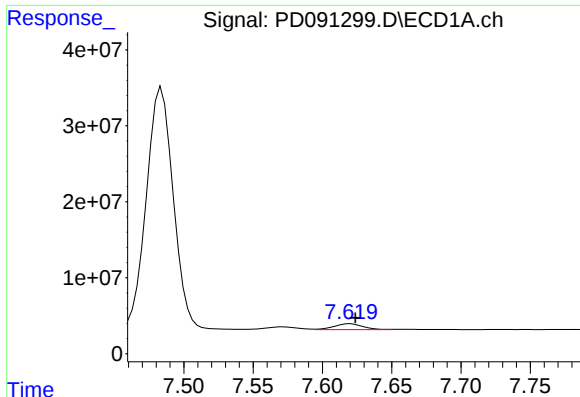
#20 Methoxychlor

R.T.: 7.484 min
Delta R.T.: -0.003 min
Response: 433621119
Conc: 199.43 ng/ml



#20 Methoxychlor

R.T.: 6.738 min
Delta R.T.: -0.004 min
Response: 3762657194
Conc: 187.65 ng/ml



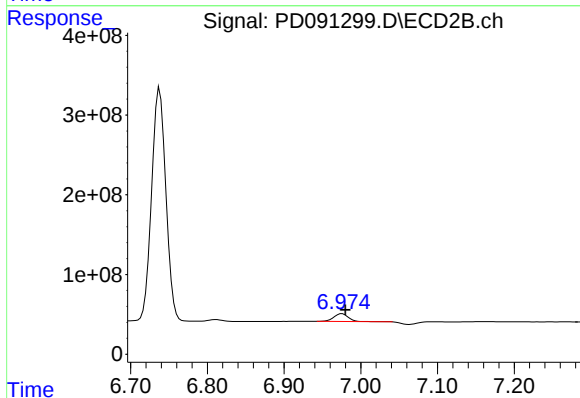
#21 Endrin ketone

R.T.: 7.620 min
Delta R.T.: -0.003 min
Response: 11050258
Conc: 1.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

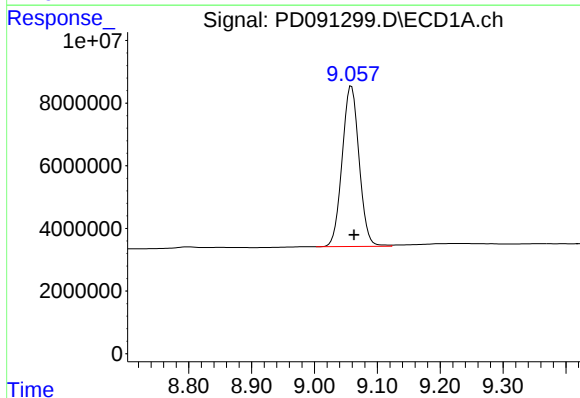
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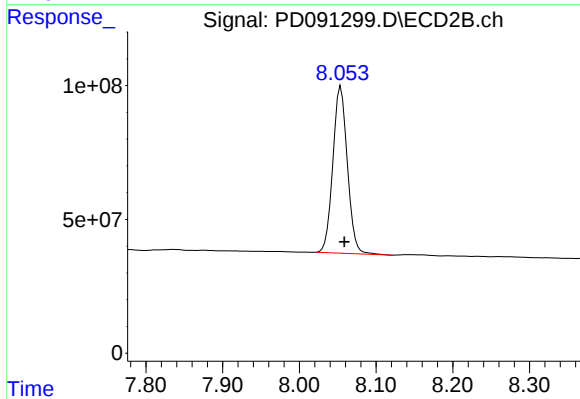
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.005 min
Response: 129641355
Conc: 2.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: -0.004 min
Response: 95835031
Conc: 19.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.054 min
Delta R.T.: -0.005 min
Response: 816954193
Conc: 20.64 ng/ml