

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120825\
 Data File : PD091500.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Dec 2025 01:08
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 12/09/2025
 Supervised By : Yogesh Patel 12/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 09 04:32:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD120825.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 09 04:29:17 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...	3.540	2.870	74967948	887.8E6	21.584	22.531
28)	SA Decachlor...	9.058	8.054	108.1E6	1018.3E6	20.796	24.591
Target Compounds							
2)	A alpha-BHC	3.989	3.381	73430729	746.9E6	9.121	10.956
3)	MA gamma-BHC...	4.319	3.717	71488620	688.4E6	9.512	12.243 #
6)	B beta-BHC	4.507	4.013	30448147	285.9E6	10.546	11.932
14)	MA Endrin	6.563	5.774	284.9E6	2778.9E6	50.806	53.157
16)	A 4,4'-DDD	6.695	5.915	4180026	47924779	0.908	1.054
17)	MA 4,4'-DDT	7.011	6.167	516.3E6	5233.2E6	100.120	110.409
18)	B Endrin al...	6.906	6.241	795100	29703328	0.190m	0.832 #
20)	A Methoxychlor	7.484	6.738	617.4E6	5239.5E6	229.702	222.031
21)	B Endrin ke...	7.620	6.975	4643482	42499778	0.824	0.874

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

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Acq On : 09 Dec 2025 01:08
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

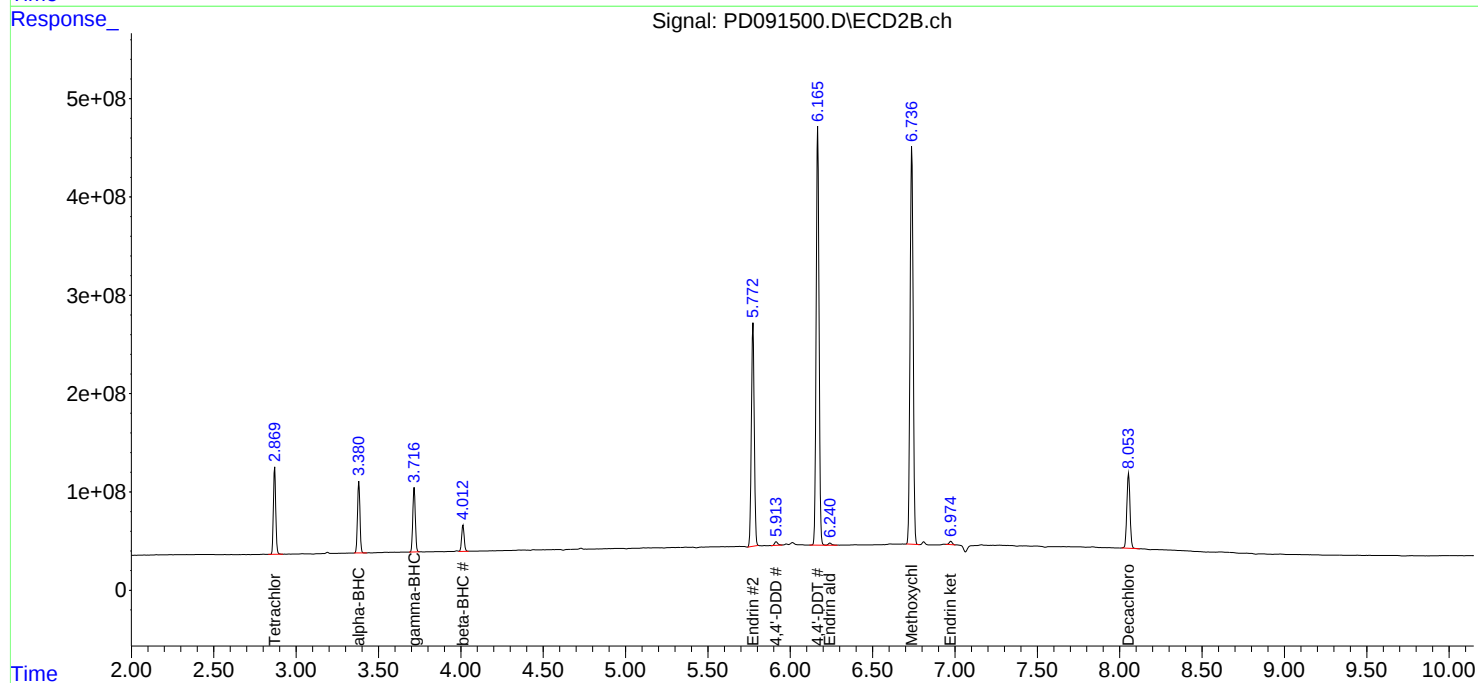
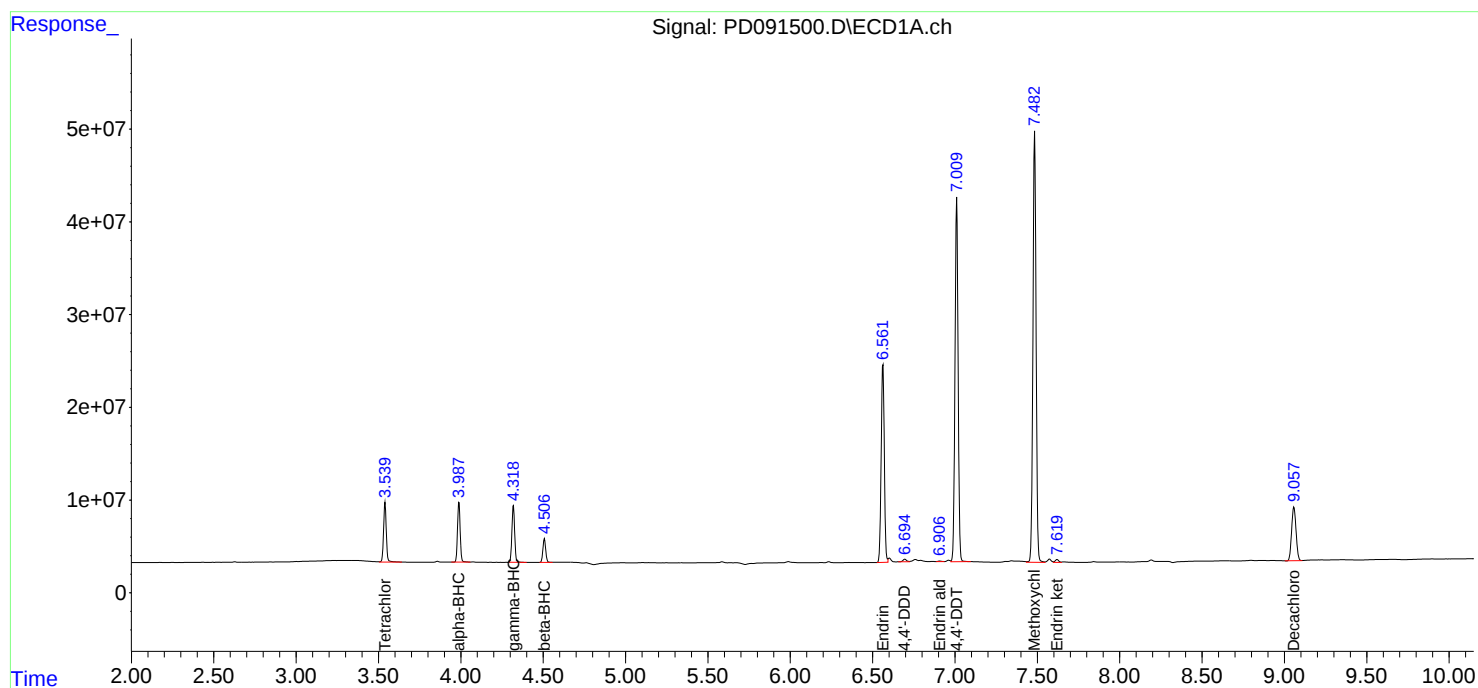
Instrument :
ECD_D
ClientSampleId :
PEM

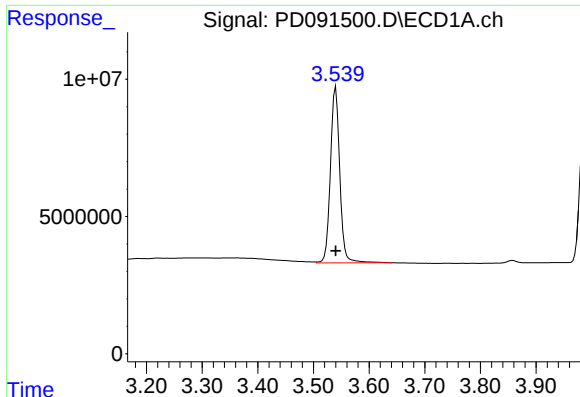
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Inj. : 1 µl
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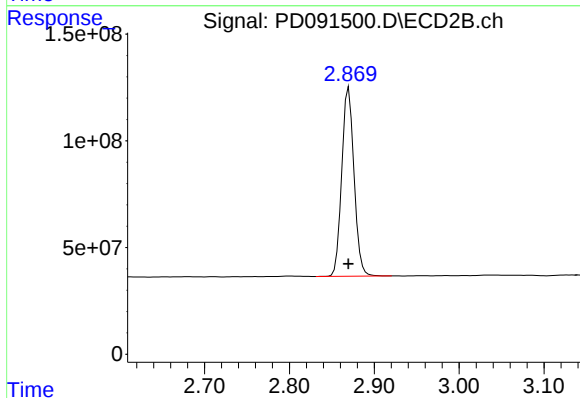
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 74967948
Conc: 21.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

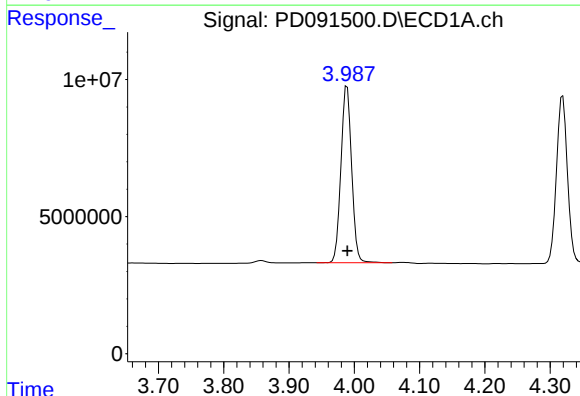
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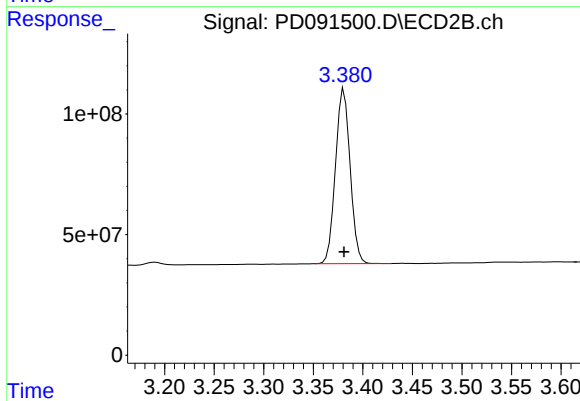
#1 Tetrachloro-m-xylene

R.T.: 2.870 min
Delta R.T.: 0.000 min
Response: 887775379
Conc: 22.53 ng/ml



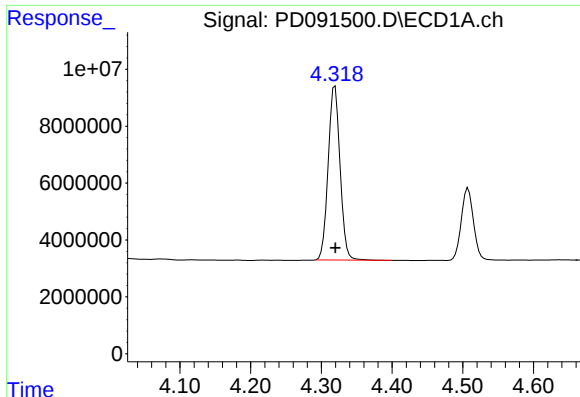
#2 alpha-BHC

R.T.: 3.989 min
Delta R.T.: 0.000 min
Response: 73430729
Conc: 9.12 ng/ml



#2 alpha-BHC

R.T.: 3.381 min
Delta R.T.: 0.000 min
Response: 746907249
Conc: 10.96 ng/ml



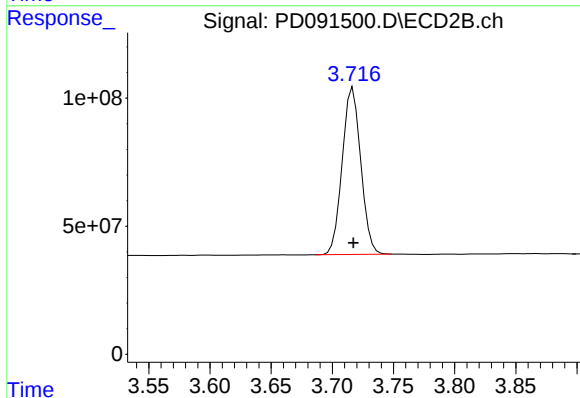
#3 gamma-BHC (Lindane)

R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 71488620
Conc: 9.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

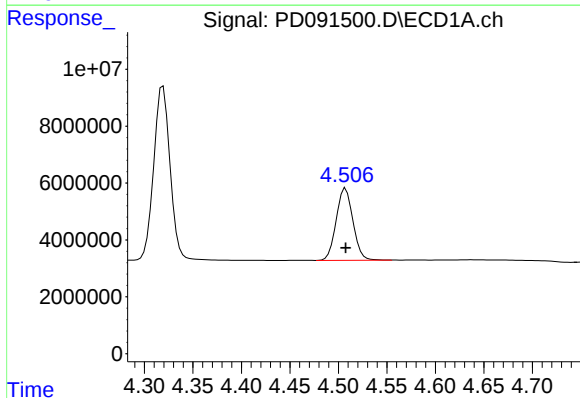
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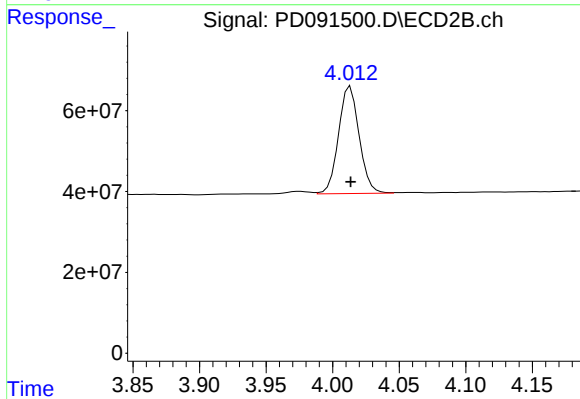
#3 gamma-BHC (Lindane)

R.T.: 3.717 min
Delta R.T.: 0.000 min
Response: 688432569
Conc: 12.24 ng/ml



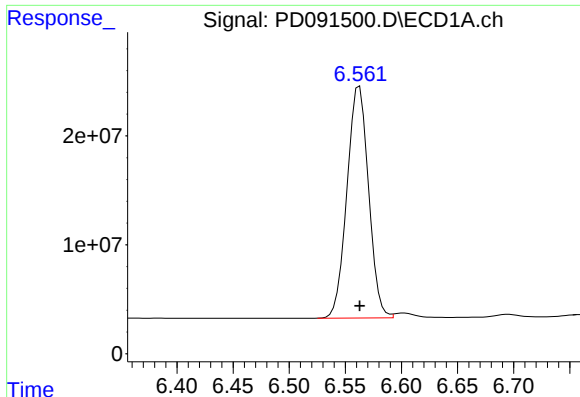
#6 beta-BHC

R.T.: 4.507 min
Delta R.T.: 0.000 min
Response: 30448147
Conc: 10.55 ng/ml



#6 beta-BHC

R.T.: 4.013 min
Delta R.T.: 0.000 min
Response: 285883049
Conc: 11.93 ng/ml



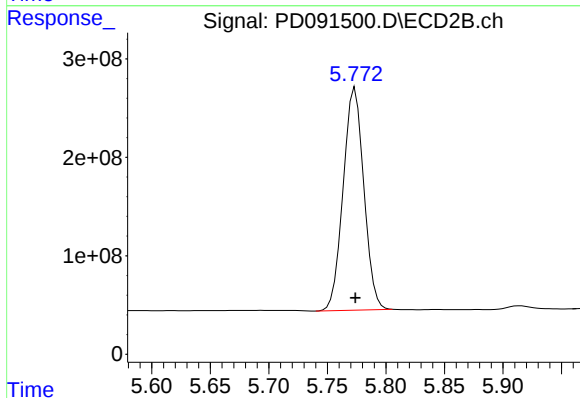
#14 Endrin

R.T.: 6.563 min
Delta R.T.: 0.000 min
Response: 284928619
Conc: 50.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

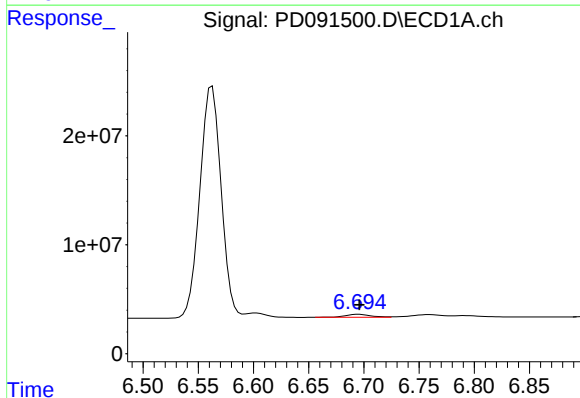
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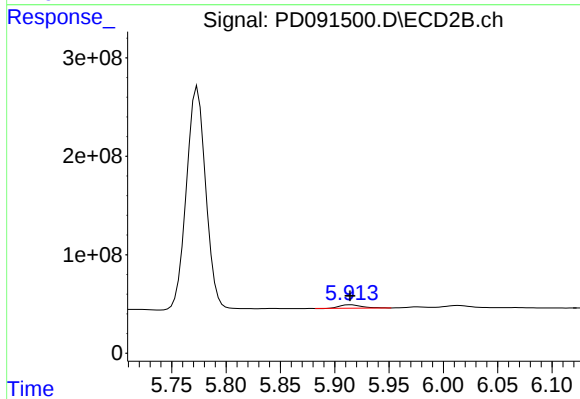
#14 Endrin

R.T.: 5.774 min
Delta R.T.: 0.000 min
Response: 2778935264
Conc: 53.16 ng/ml



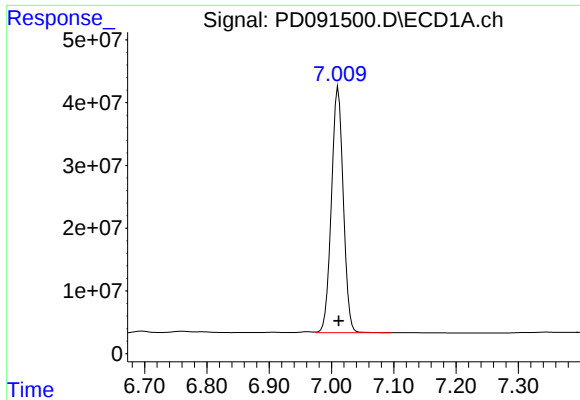
#16 4,4'-DDD

R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 4180026
Conc: 0.91 ng/ml



#16 4,4'-DDD

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 47924779
Conc: 1.05 ng/ml



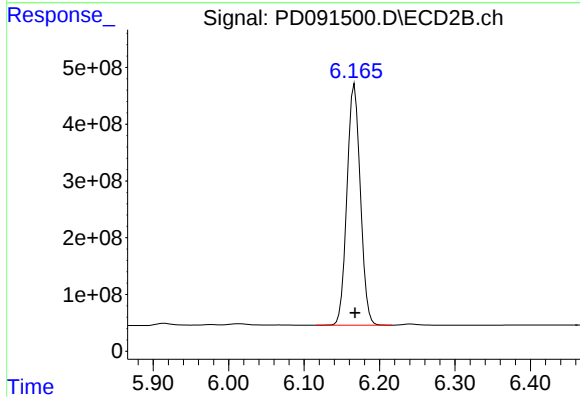
#17 4,4'-DDT

R.T.: 7.011 min
Delta R.T.: 0.000 min
Response: 516265248
Conc: 100.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

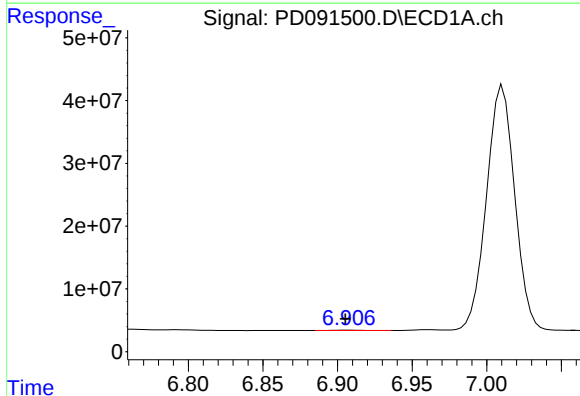
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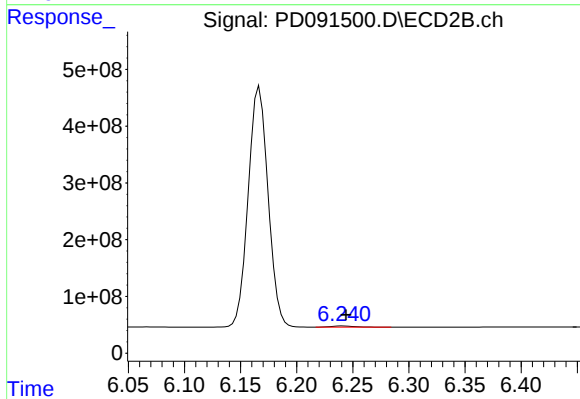
#17 4,4'-DDT

R.T.: 6.167 min
Delta R.T.: 0.000 min
Response: 5233234197
Conc: 110.41 ng/ml



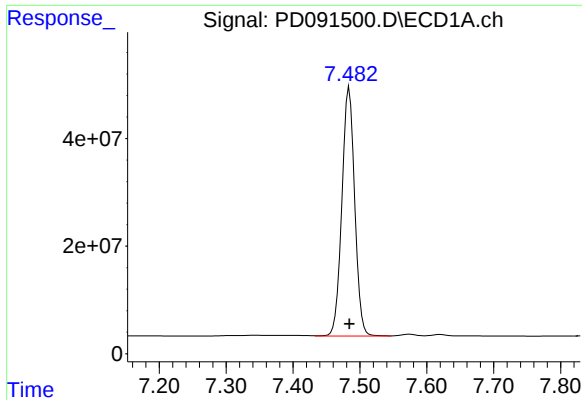
#18 Endrin aldehyde

R.T.: 6.906 min
Delta R.T.: 0.000 min
Response: 795100
Conc: 0.19 ng/ml m



#18 Endrin aldehyde

R.T.: 6.241 min
Delta R.T.: -0.003 min
Response: 29703328
Conc: 0.83 ng/ml



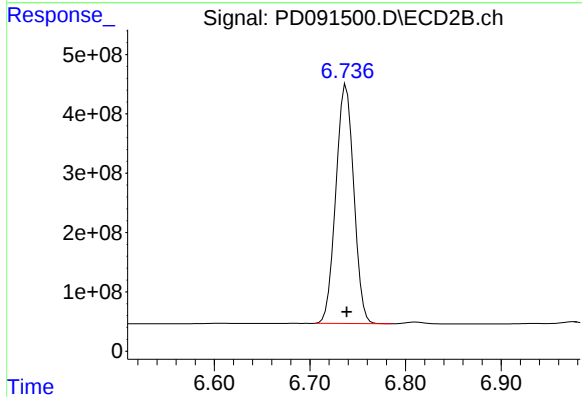
#20 Methoxychlor

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 617435181
Conc: 229.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

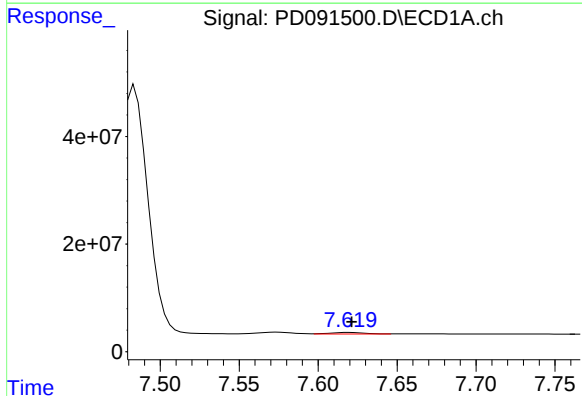
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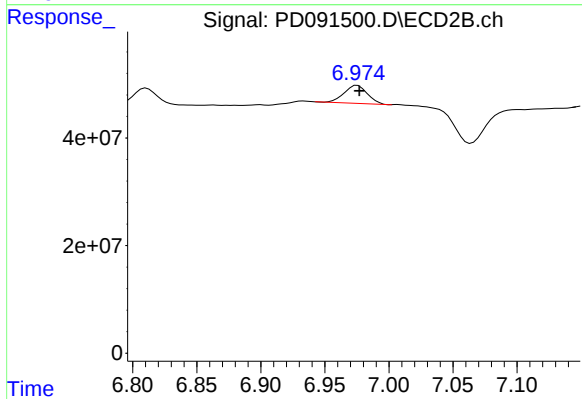
#20 Methoxychlor

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 5239509230
Conc: 222.03 ng/ml



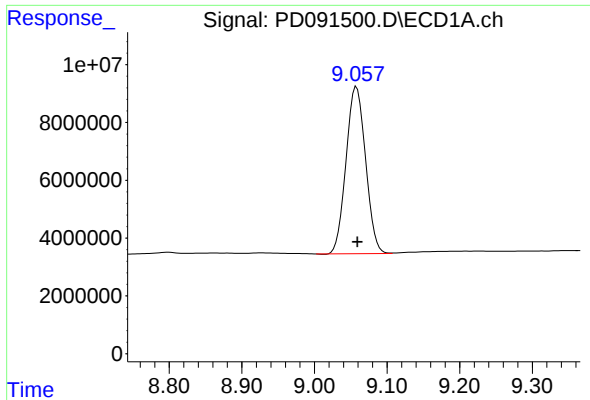
#21 Endrin ketone

R.T.: 7.620 min
Delta R.T.: -0.001 min
Response: 4643482
Conc: 0.82 ng/ml



#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.002 min
Response: 42499778
Conc: 0.87 ng/ml



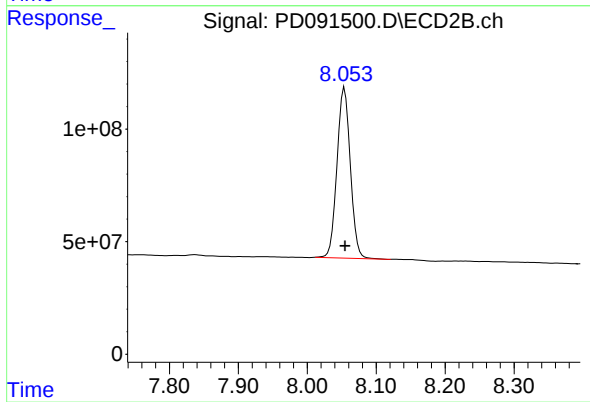
#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.001 min
Response: 108100189
Conc: 20.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.054 min
Delta R.T.: 0.000 min
Response: 1018337685
Conc: 24.59 ng/ml