

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
 Data File : PD090141.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 09:27
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/05/2025
 Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 02:01:45 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...	3.549	2.877	57822368	467.9E6	19.702	21.219
28)	SA Decachlor...	9.071	8.065	83220523	515.3E6	19.282	19.908
Target Compounds							
2)	A alpha-BHC	3.998	3.387	56870544	382.0E6	9.475	11.255m
3)	MA gamma-BHC...	4.329	3.725	55380689	352.4E6	9.670	11.305
6)	B beta-BHC	4.515	4.021	23323725	152.5E6	10.398	11.439
12)	B 4,4'-DDE	6.193	5.370	763000	5377470	0.174m	0.187
14)	MA Endrin	6.573	5.783	195.5E6	1316.2E6	47.193	49.421
16)	A 4,4'-DDD	6.704	5.923	17578062	141.0E6	5.082	5.866
17)	MA 4,4'-DDT	7.020	6.177	330.1E6	2278.0E6	86.648	90.869
18)	B Endrin al...	6.914	6.252	3159221	26300929	1.102	1.527 #
20)	A Methoxychlor	7.493	6.747	397.7E6	2417.1E6	198.292	187.435
21)	B Endrin ke...	7.628	6.985	10907143	101.6E6	2.632m	3.814 #

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

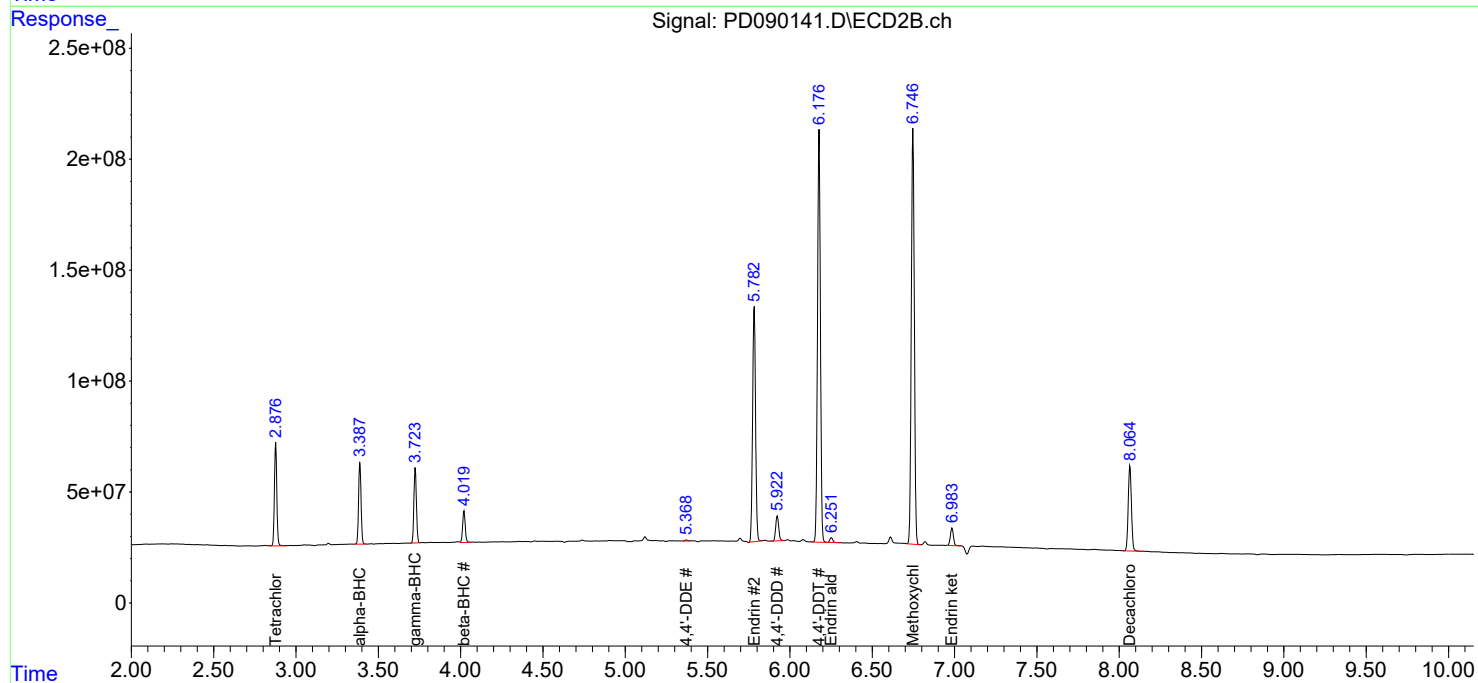
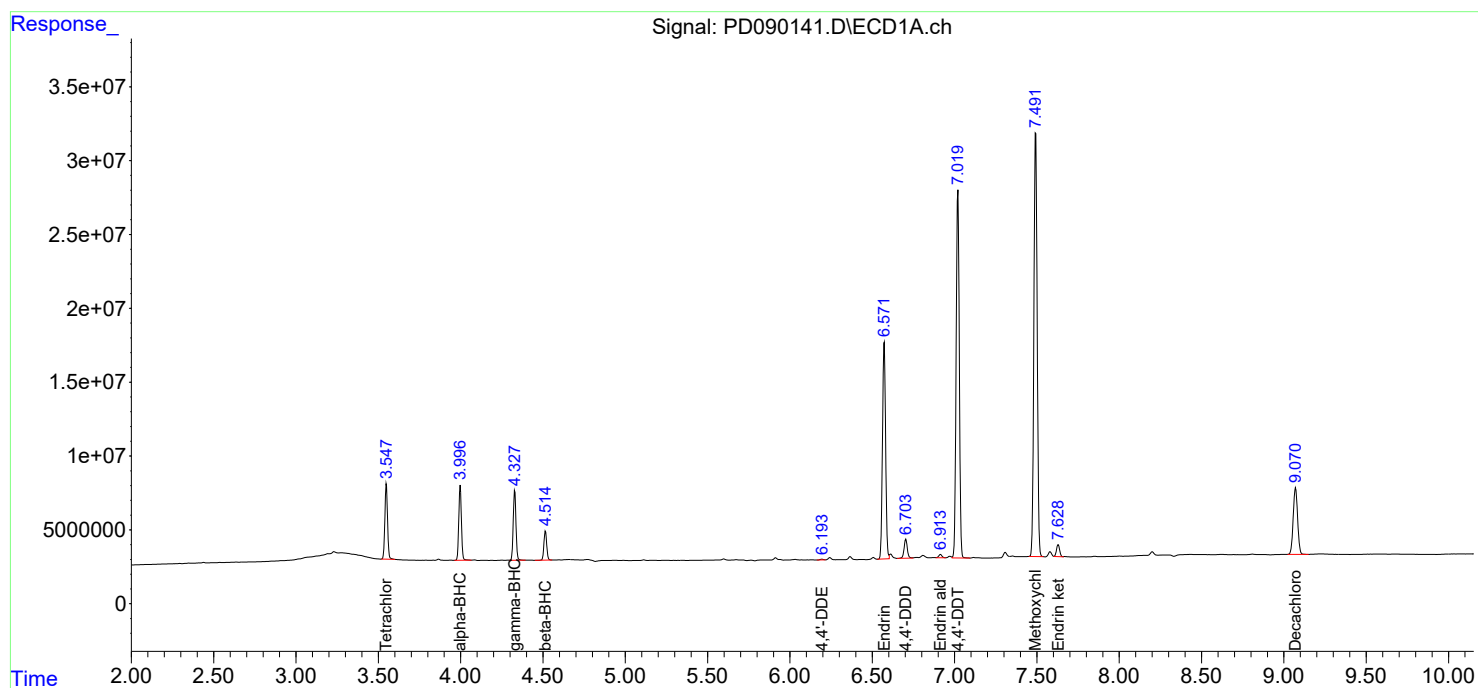
Instrument :
ECD_D
ClientSampleId :
PEM

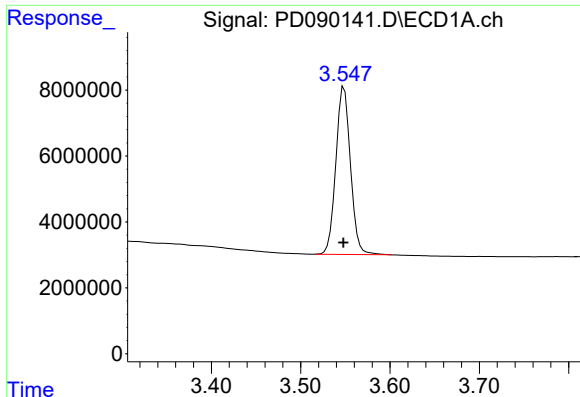
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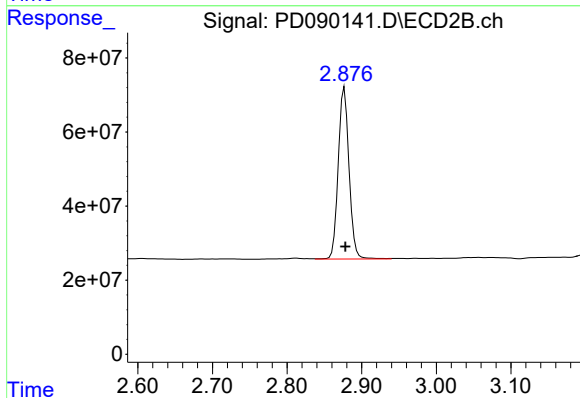
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 57822368
Conc: 19.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

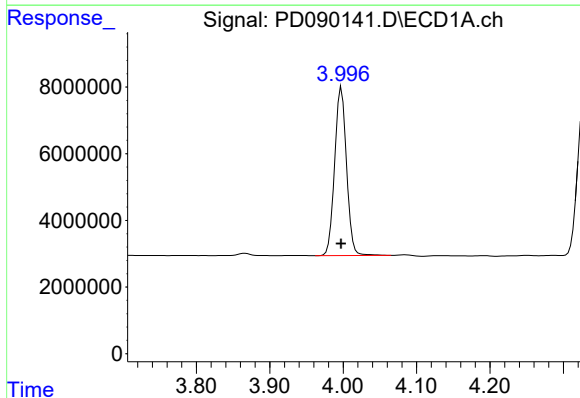
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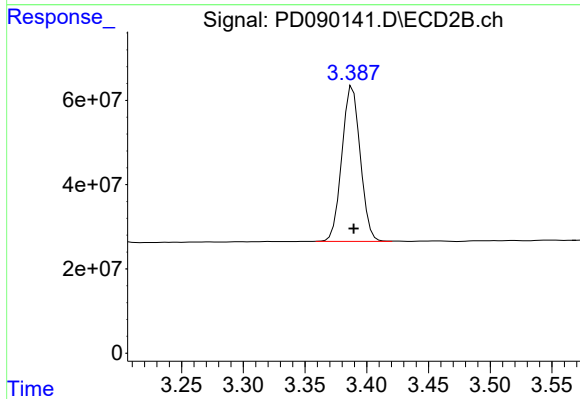
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.001 min
Response: 467893822
Conc: 21.22 ng/ml



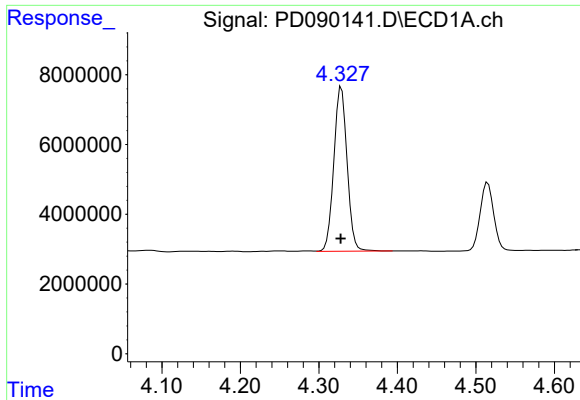
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 56870544
Conc: 9.47 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.002 min
Response: 381978675
Conc: 11.25 ng/ml m



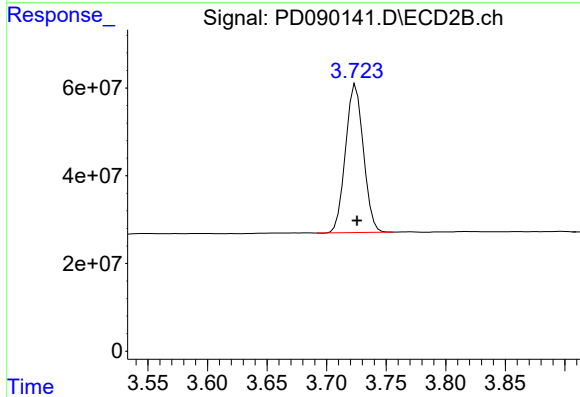
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 55380689
Conc: 9.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

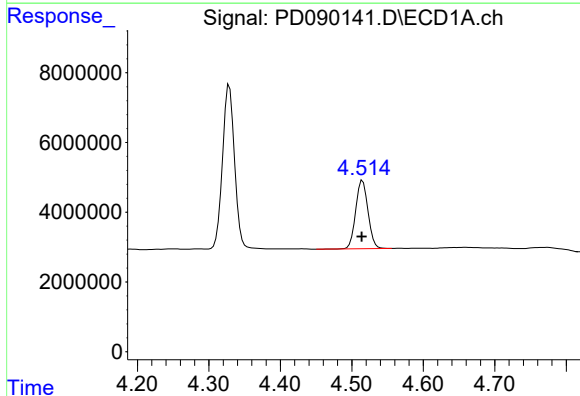
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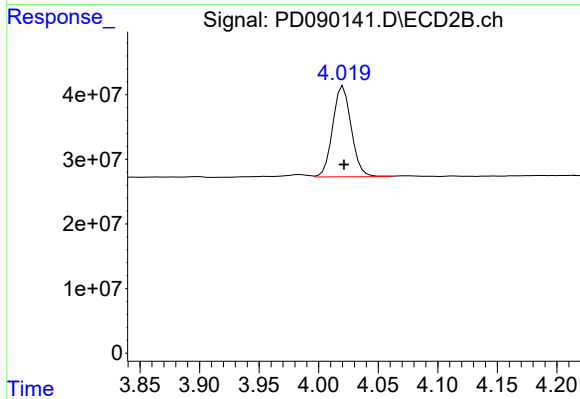
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 352384511
Conc: 11.30 ng/ml



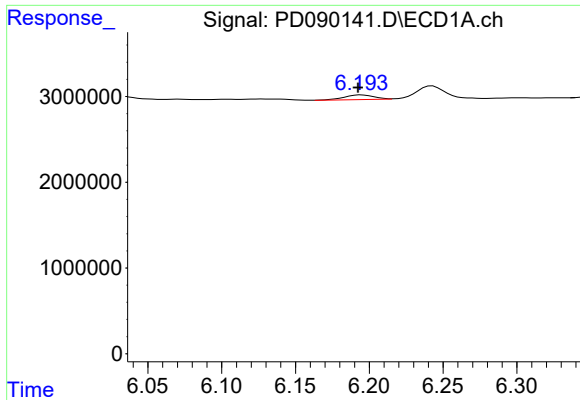
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 23323725
Conc: 10.40 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 152488443
Conc: 11.44 ng/ml



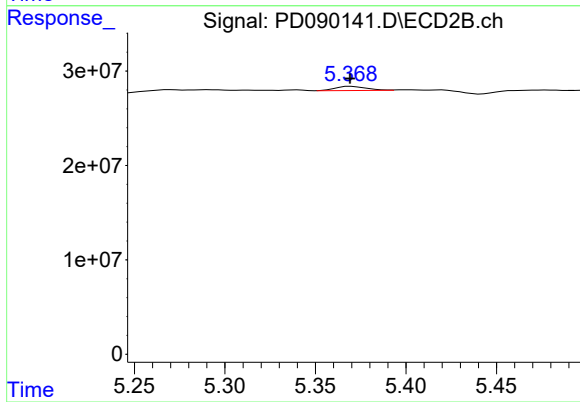
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 763000
Conc: 0.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

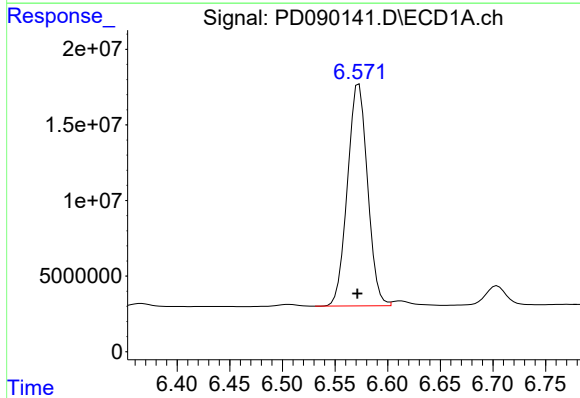
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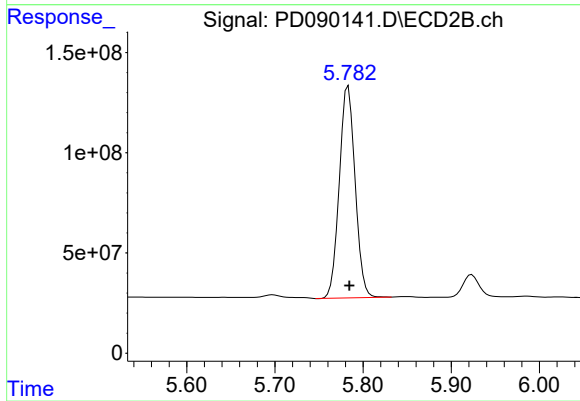
#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 5377470
Conc: 0.19 ng/ml



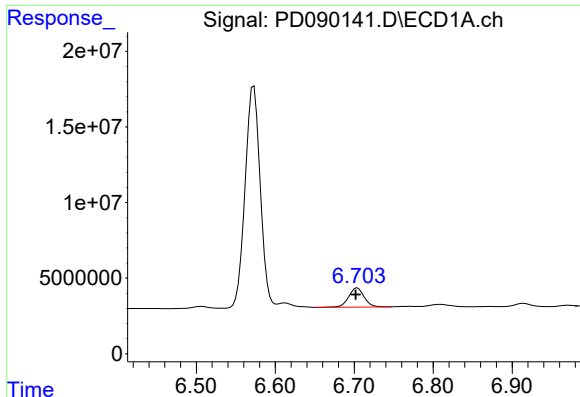
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 195545738
Conc: 47.19 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1316188787
Conc: 49.42 ng/ml



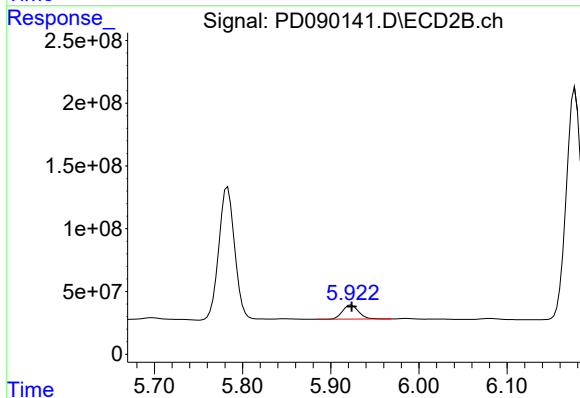
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.002 min
Response: 17578062
Conc: 5.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

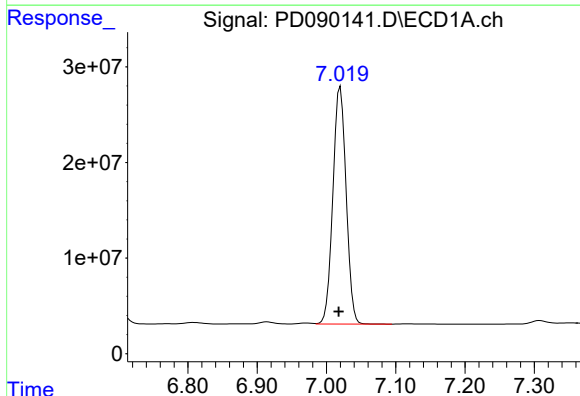
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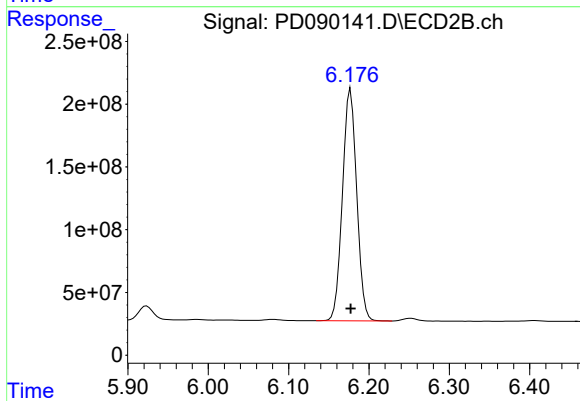
#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 141043181
Conc: 5.87 ng/ml



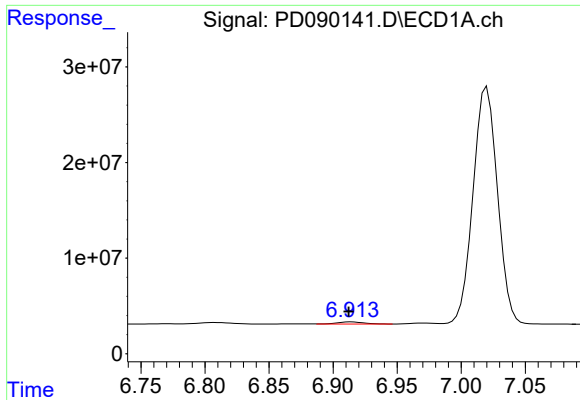
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 330108177
Conc: 86.65 ng/ml



#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 2278049624
Conc: 90.87 ng/ml



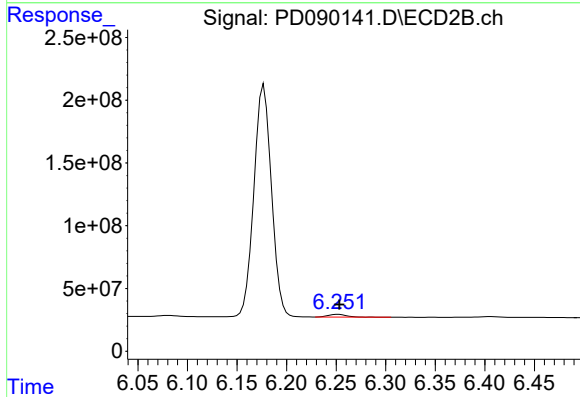
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.002 min
Response: 3159221
Conc: 1.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

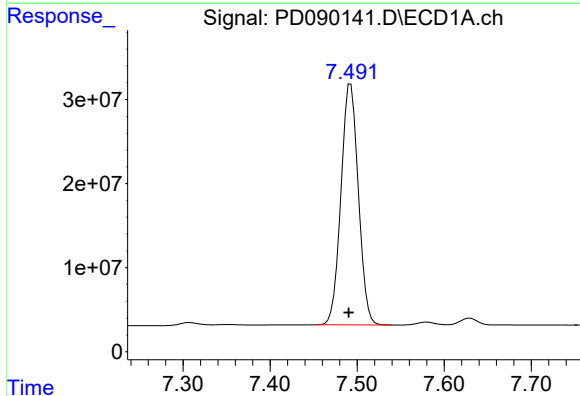
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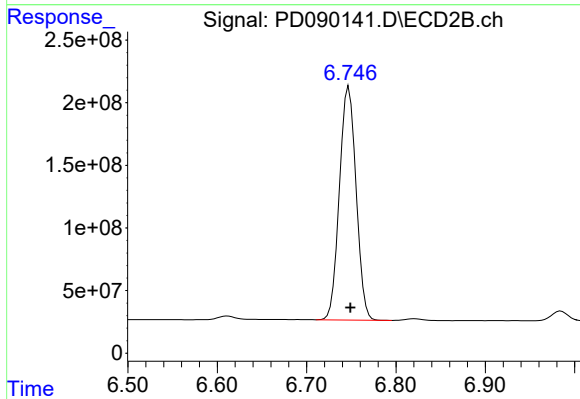
#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.001 min
Response: 26300929
Conc: 1.53 ng/ml



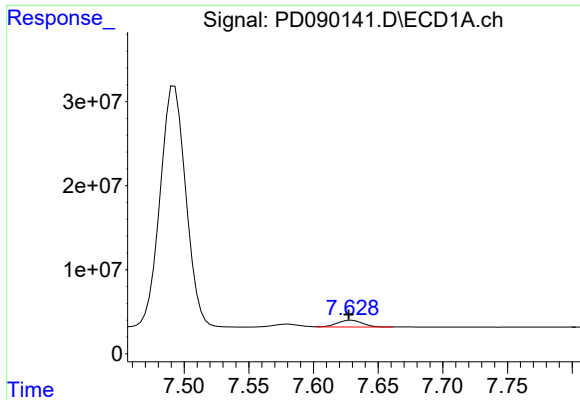
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.002 min
Response: 397697839
Conc: 198.29 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 2417123575
Conc: 187.44 ng/ml



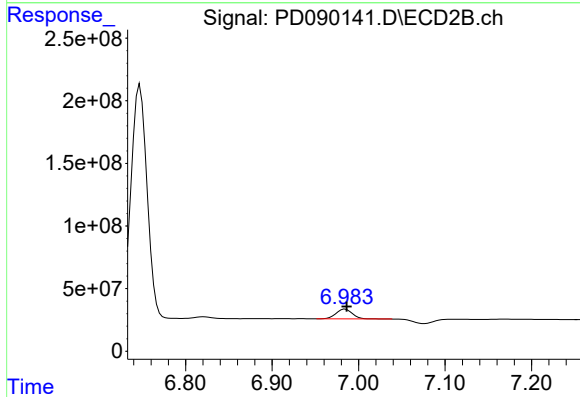
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 10907143
Conc: 2.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

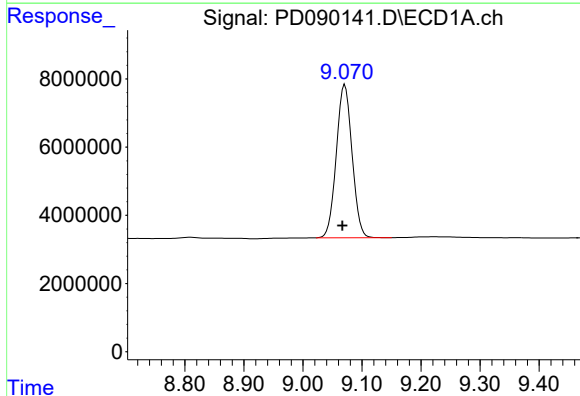
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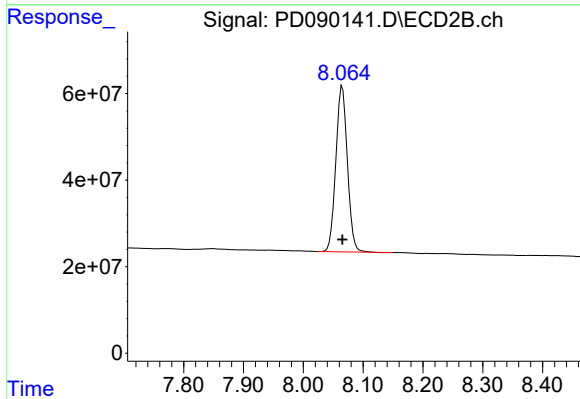
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.002 min
Response: 101624631
Conc: 3.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 83220523
Conc: 19.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 515344979
Conc: 19.91 ng/ml