

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091825\
 Data File : PD090328.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Sep 2025 10:03
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/19/2025
 Supervised By :mohammad ahmed 09/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 19 05:54:10 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...	3.546	2.876	52614883	437.5E6	16.187	15.938
28)	SA Decachlor...	9.066	8.063	79104389	512.8E6	16.395	15.820
Target Compounds							
2)	A alpha-BHC	3.995	3.388	48940172	362.6E6	7.007	8.282
3)	MA gamma-BHC...	4.325	3.724	47568494	336.3E6	7.189	8.255
6)	B beta-BHC	4.512	4.020	20379483	146.1E6	7.899	8.429
14)	MA Endrin	6.569	5.782	186.0E6	1359.0E6	38.003	37.926
16)	A 4,4'-DDD	6.699	5.923	3137108	33060824	0.766m	1.020 #
17)	MA 4,4'-DDT	7.016	6.176	332.6E6	2537.9E6	74.702	73.820
18)	B Endrin al...	6.909	6.249	866603	15992667	0.253m	0.679 #
20)	A Methoxychlor	7.489	6.746	411.3E6	2707.3E6	174.521	155.591
21)	B Endrin ke...	7.626	6.983	4094699	28312994	0.828	0.784

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

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Acq On : 18 Sep 2025 10:03
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

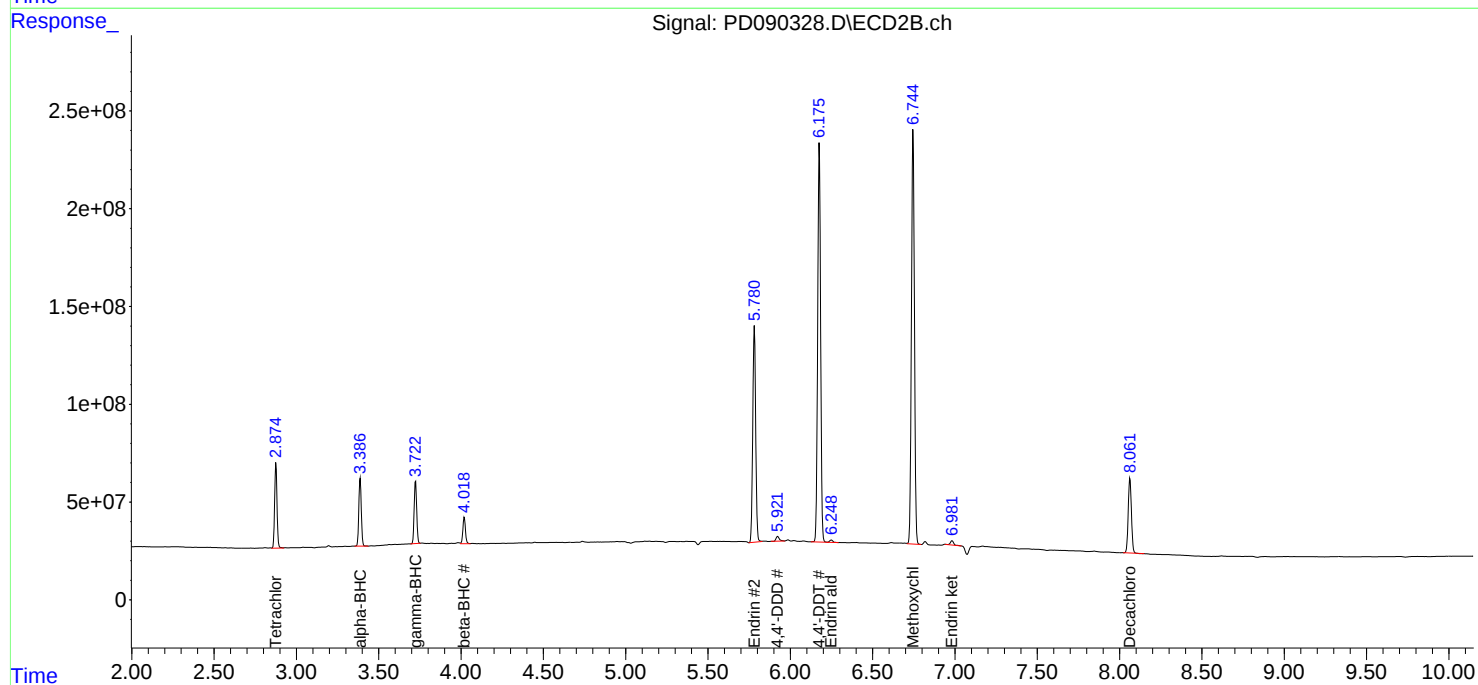
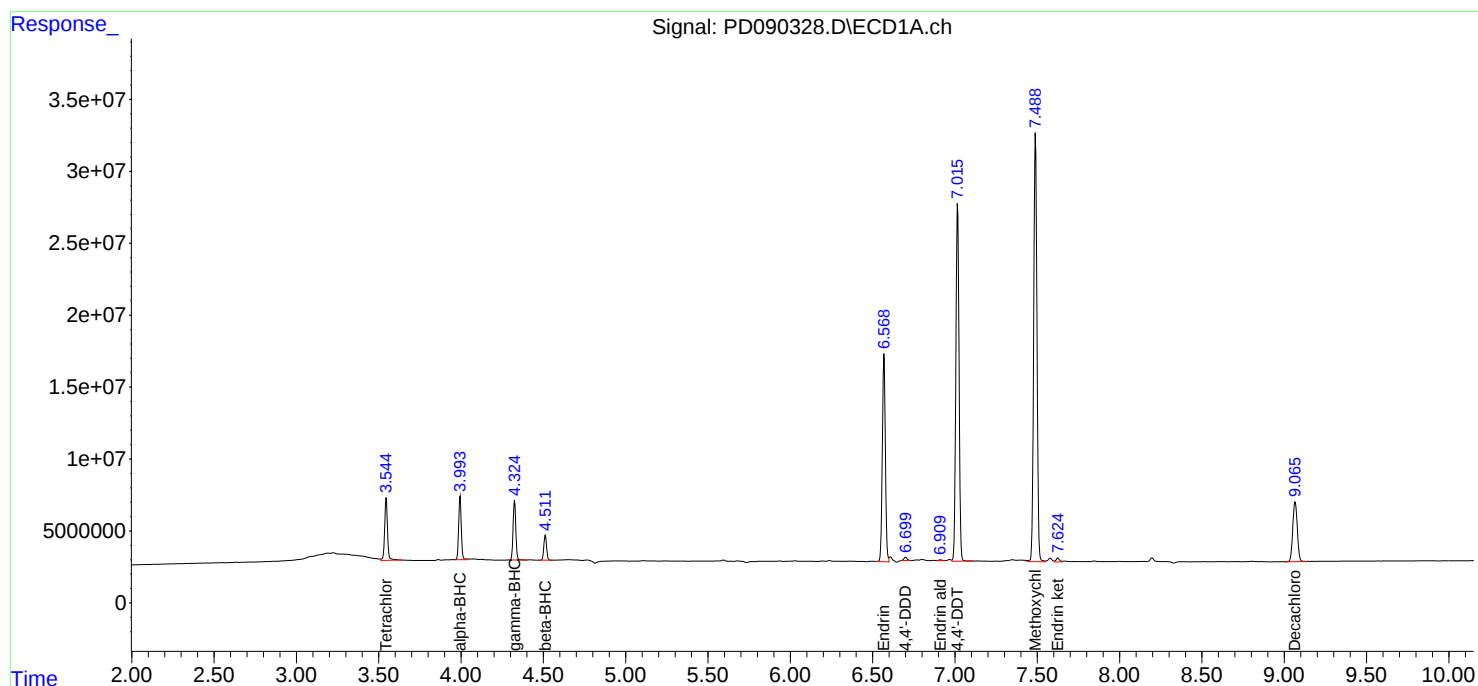
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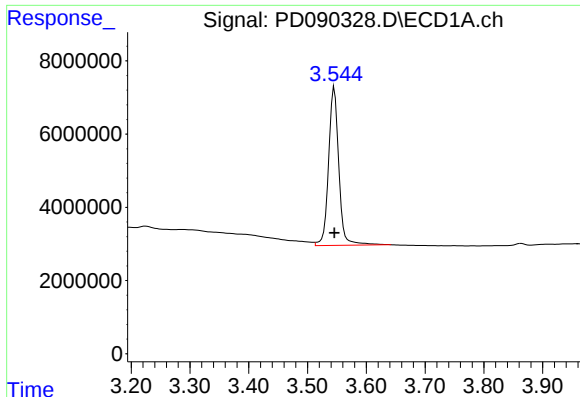
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





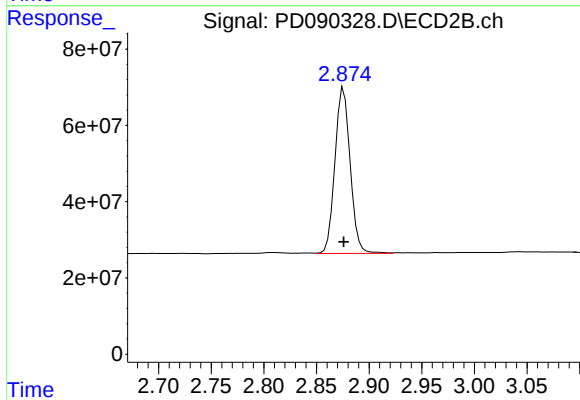
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 52614883
Conc: 16.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

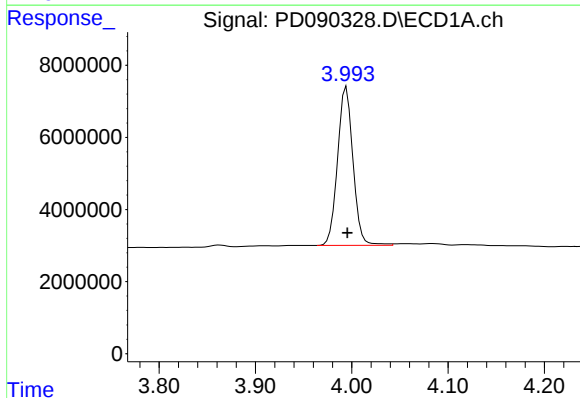
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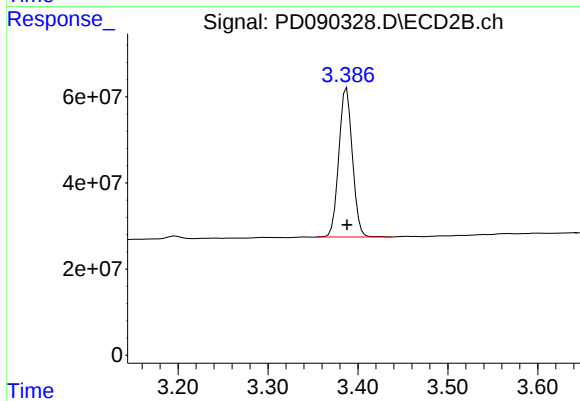
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 437486586
Conc: 15.94 ng/ml



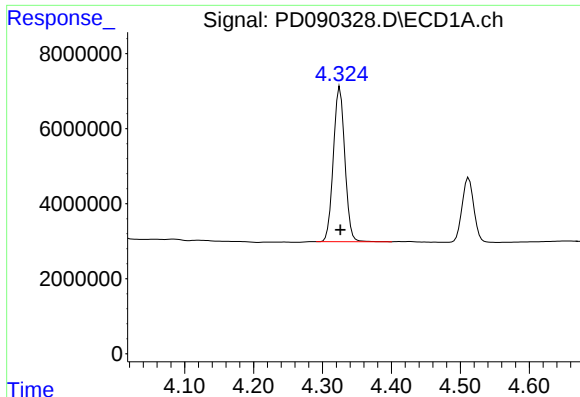
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 48940172
Conc: 7.01 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: 0.000 min
Response: 362613966
Conc: 8.28 ng/ml



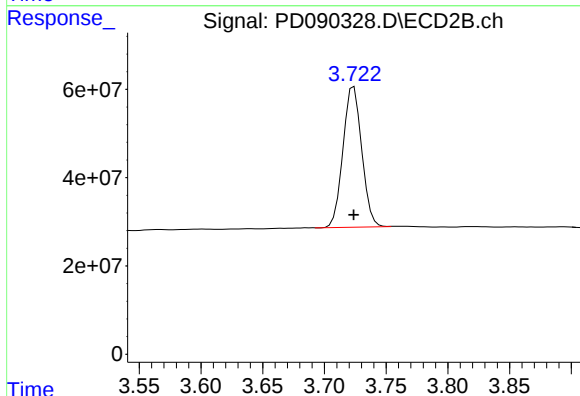
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 47568494
Conc: 7.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

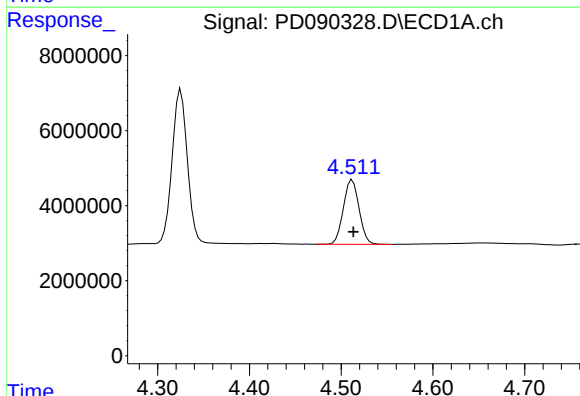
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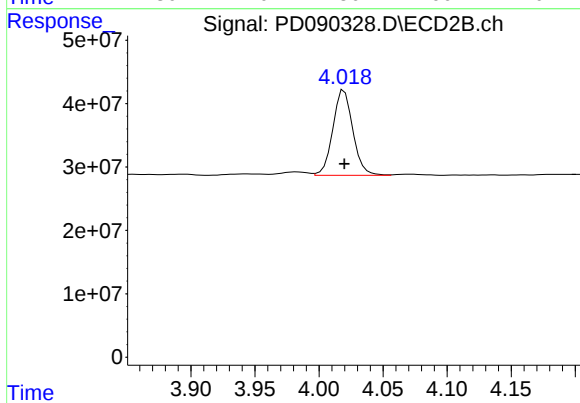
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 336278718
Conc: 8.26 ng/ml



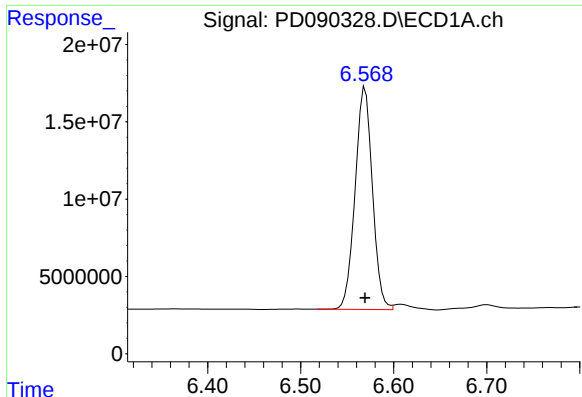
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 20379483
Conc: 7.90 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 146120533
Conc: 8.43 ng/ml



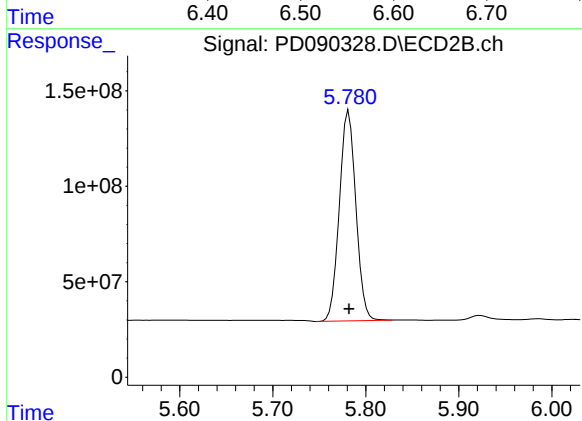
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 185982244
Conc: 38.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

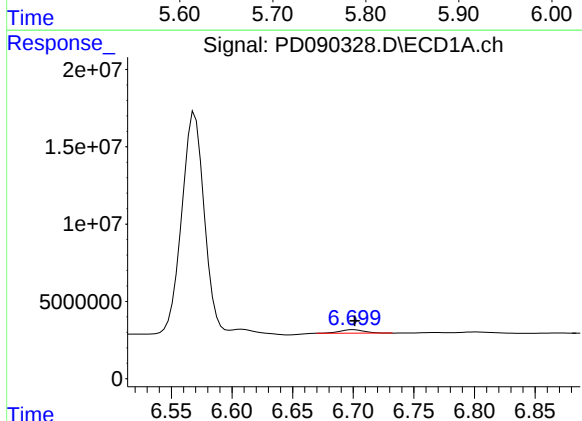
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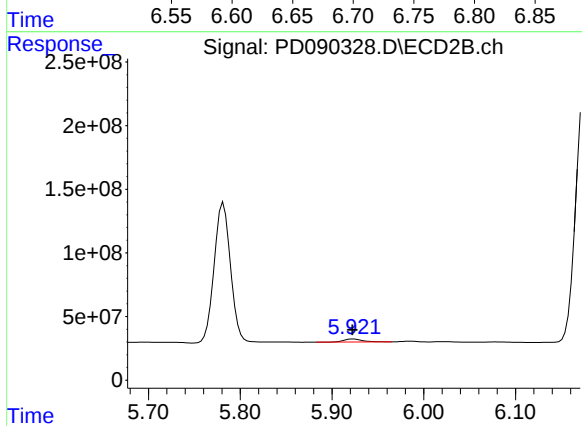
#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1358982336
Conc: 37.93 ng/ml



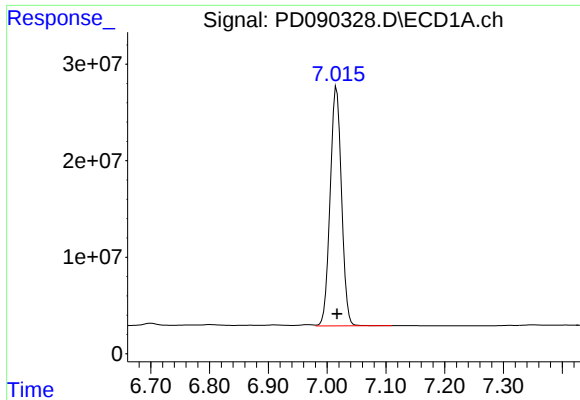
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.003 min
Response: 3137108
Conc: 0.77 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 33060824
Conc: 1.02 ng/ml



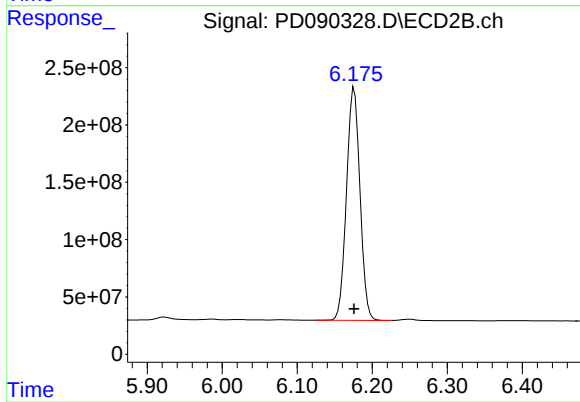
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 332607789
Conc: 74.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

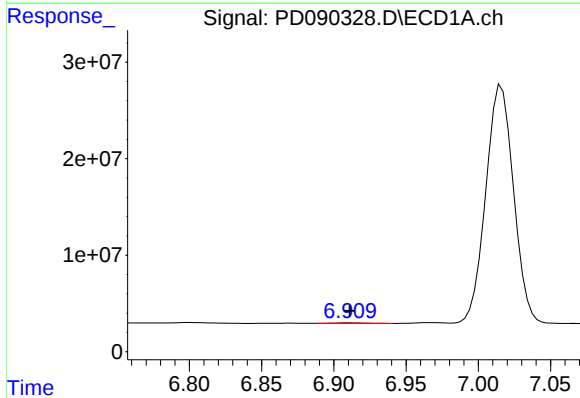
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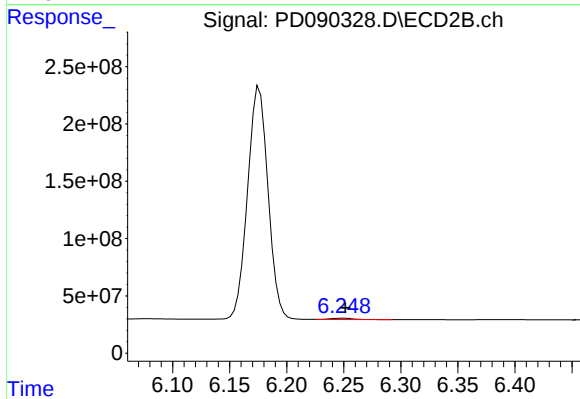
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 2537873822
Conc: 73.82 ng/ml



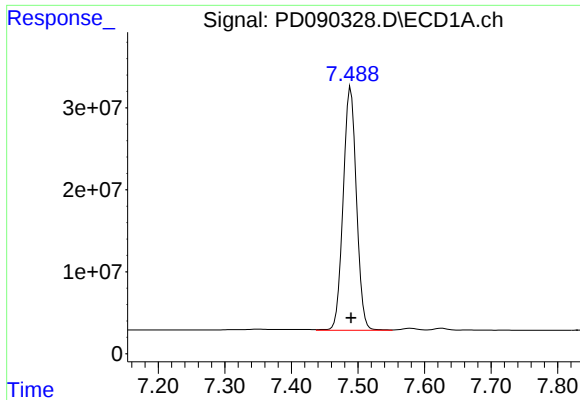
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 866603
Conc: 0.25 ng/ml m



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 15992667
Conc: 0.68 ng/ml



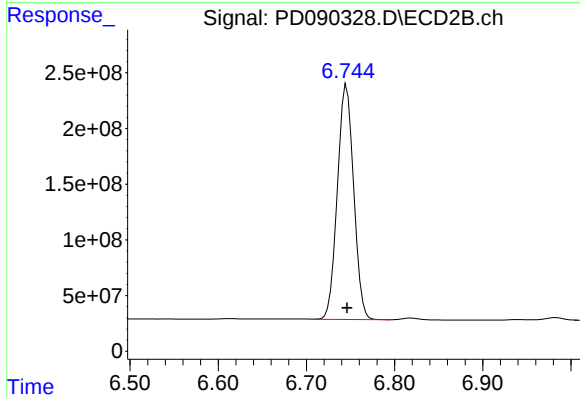
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 411259807
Conc: 174.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

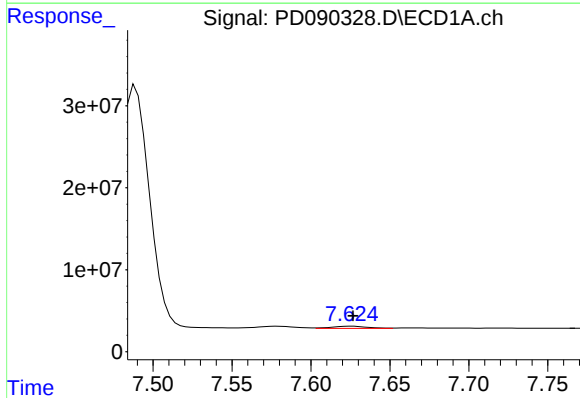
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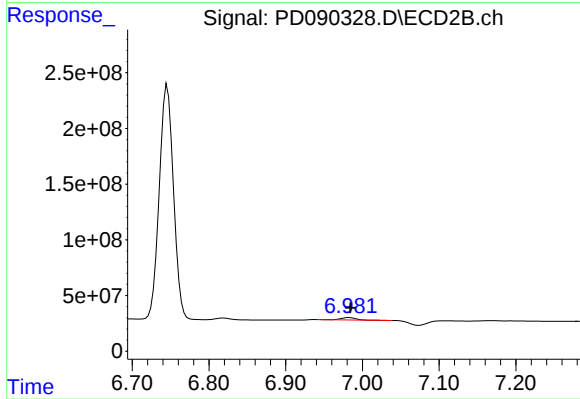
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 2707341456
Conc: 155.59 ng/ml



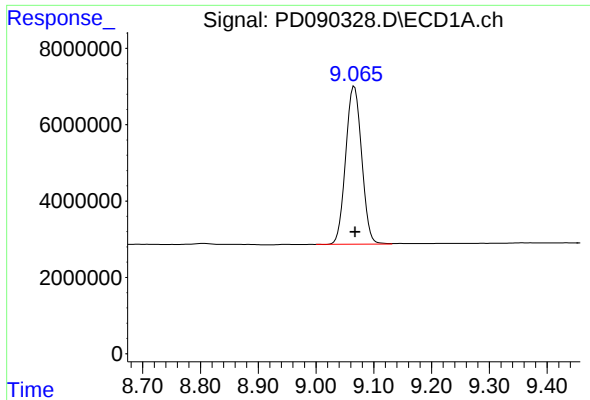
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 4094699
Conc: 0.83 ng/ml



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 28312994
Conc: 0.78 ng/ml



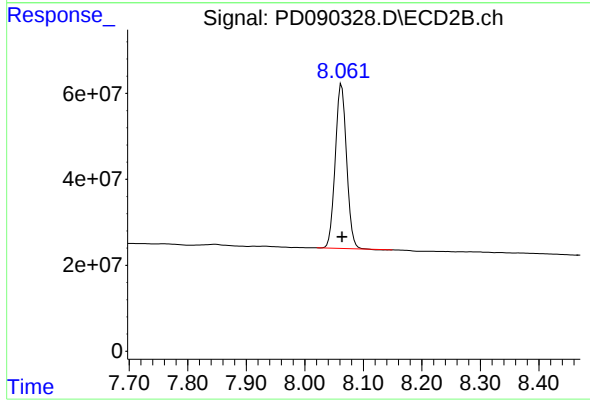
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 79104389
Conc: 16.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 512786466
Conc: 15.82 ng/ml