

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082825\
 Data File : PD090054.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Aug 2025 10:37
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/29/2025
 Supervised By : mohammad ahmed 08/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 28 23:24:45 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	2.876	49805359	375.4E6	16.970	17.023m
28)	SA Decachlor...	9.069	8.064	79639793	440.3E6	18.452	17.009
Target Compounds							
2)	A alpha-BHC	3.998	3.389	51023748	294.6E6	8.501	8.680
3)	MA gamma-BHC...	4.327	3.725	45401665	249.4E6	7.928m	8.001
6)	B beta-BHC	4.515	4.021	20263505	120.7E6	9.034	9.052
14)	MA Endrin	6.572	5.783	185.7E6	1040.5E6	44.811	39.068
16)	A 4,4'-DDD	6.703	5.923	10542708	58558822	3.048	2.436
17)	MA 4,4'-DDT	7.019	6.177	321.6E6	1830.0E6	84.424	72.997
18)	B Endrin al...	6.914	6.252	635732	11840952	0.222m	0.688 #
20)	A Methoxychlor	7.491	6.747	404.6E6	1987.3E6	201.737	154.104
21)	B Endrin ke...	7.627	6.984	4984770	36778207	1.203m	1.380

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

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ALS Vial : 3 Sample Multiplier: 1

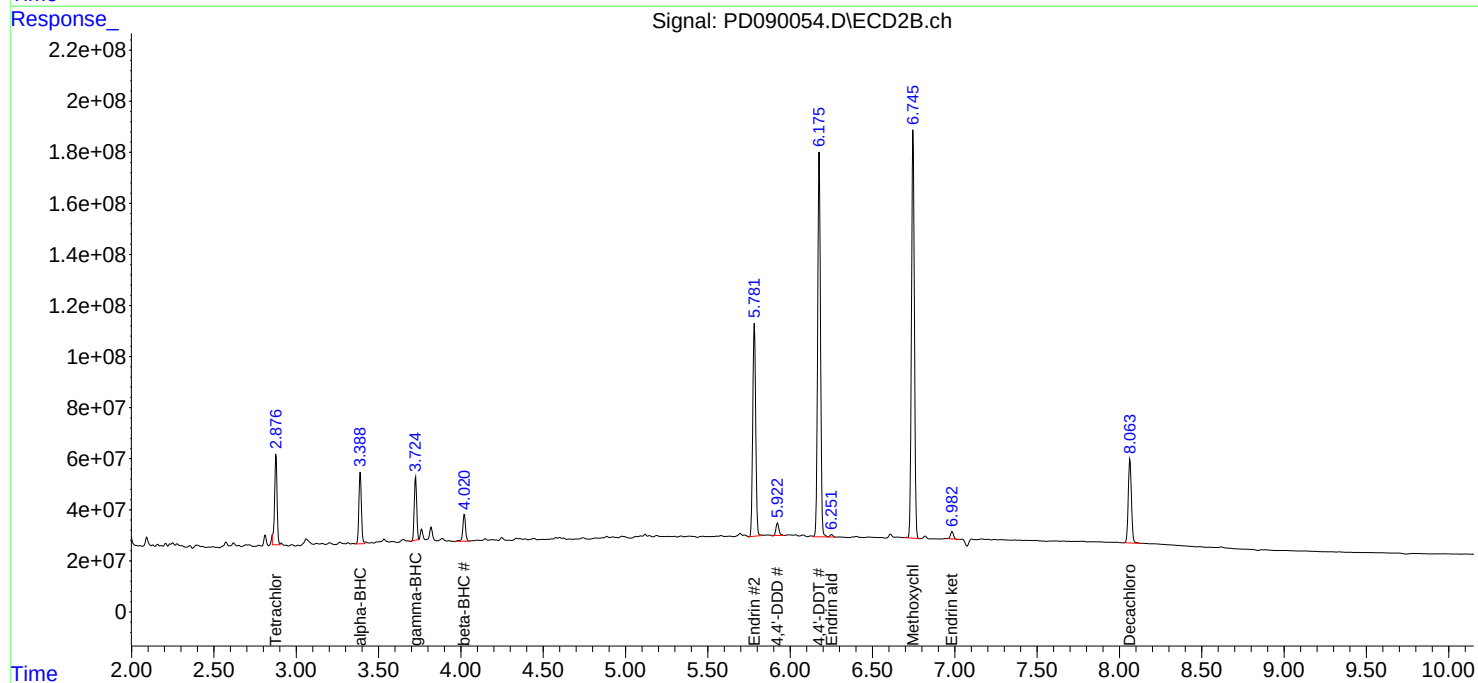
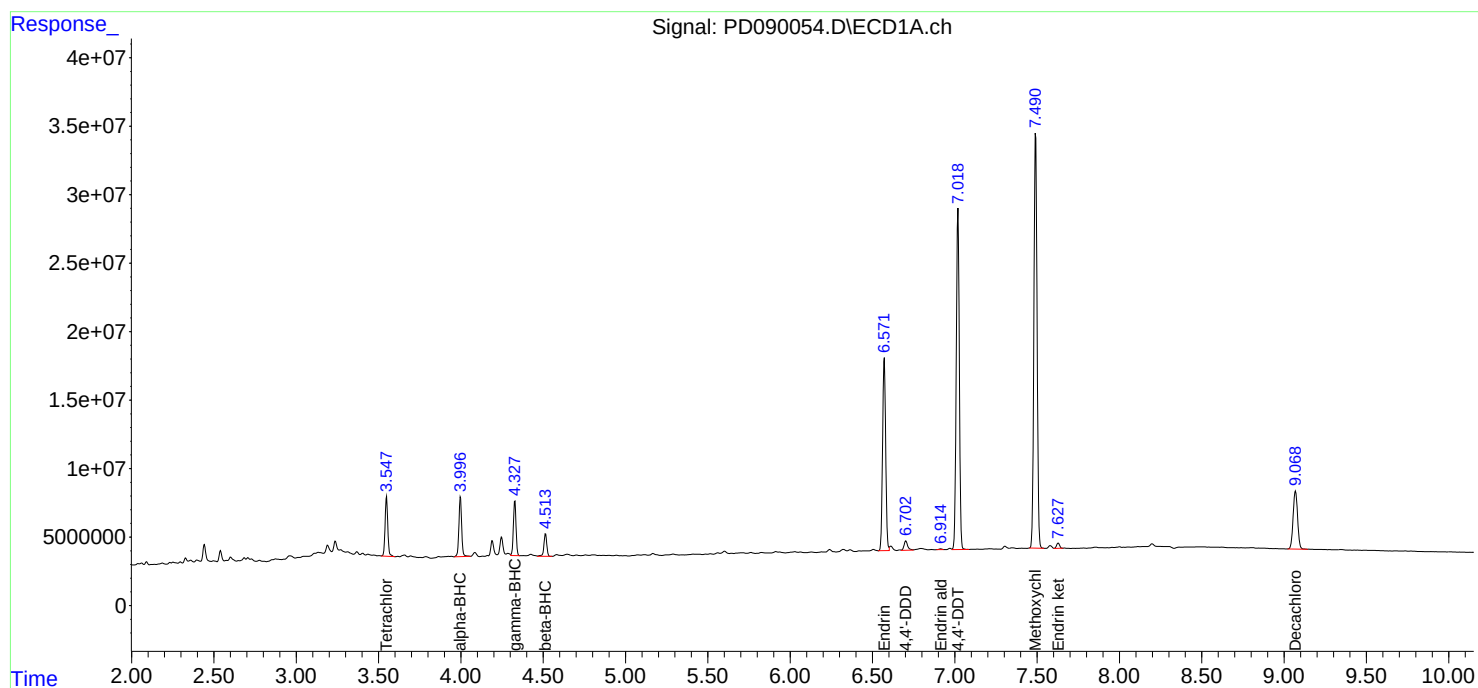
Instrument :
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ClientSampleId :
PEM

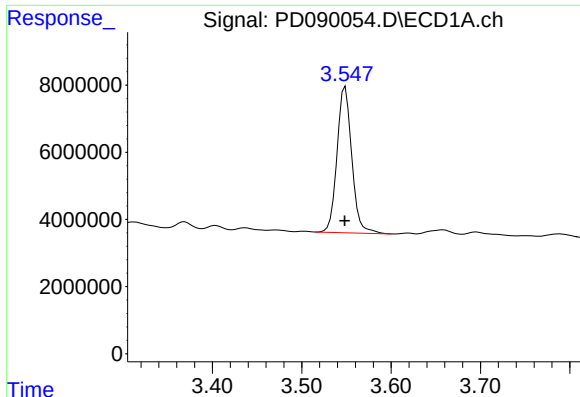
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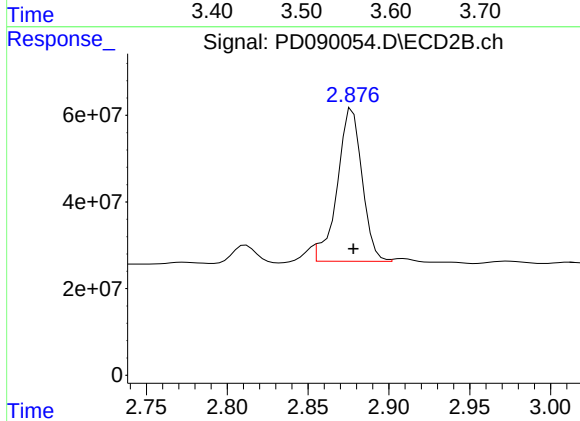
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 49805359
Conc: 16.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

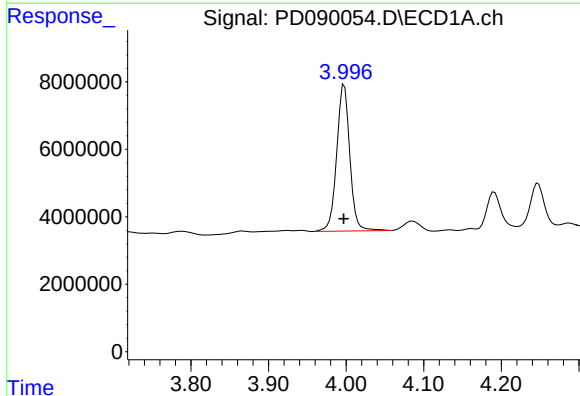
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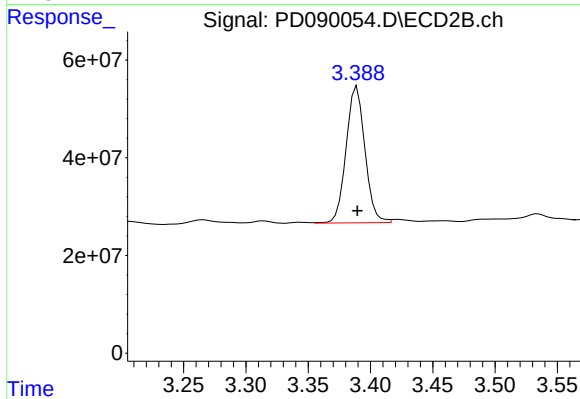
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 375374455
Conc: 17.02 ng/ml m



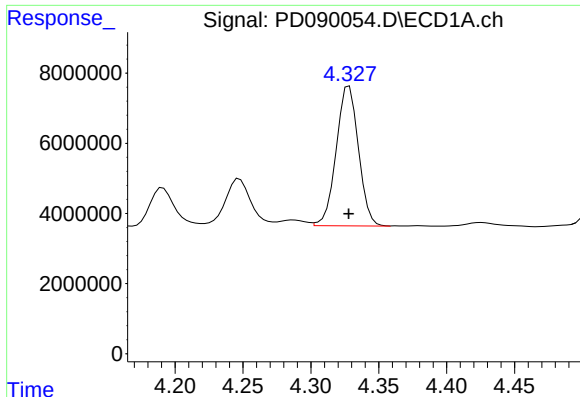
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 51023748
Conc: 8.50 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 294587684
Conc: 8.68 ng/ml



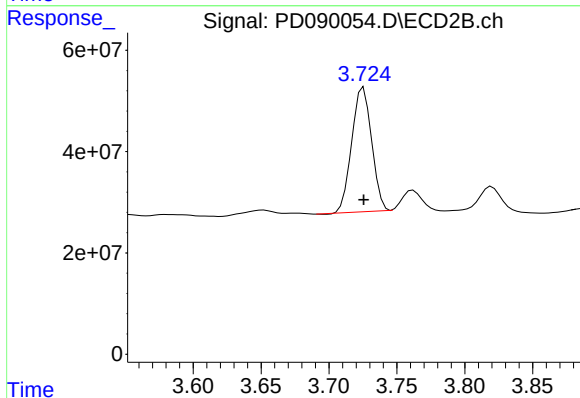
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 45401665
Conc: 7.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

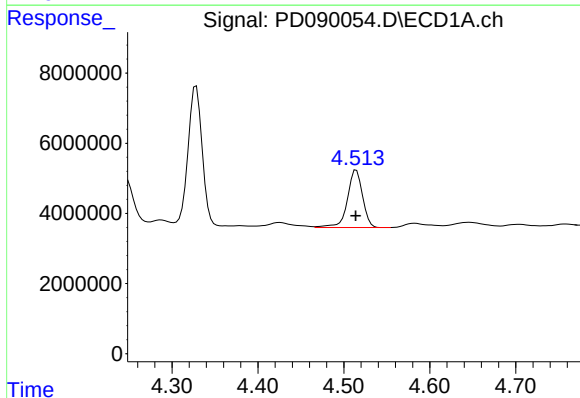
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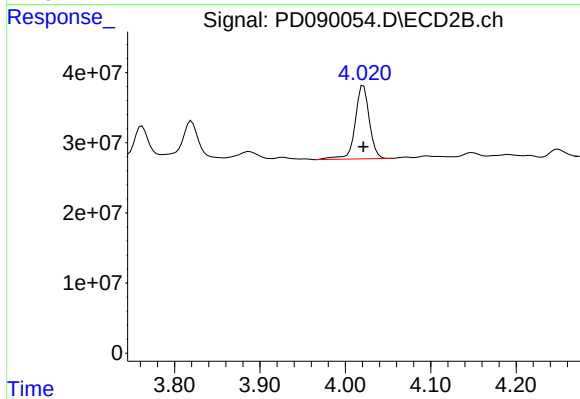
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 249387933
Conc: 8.00 ng/ml



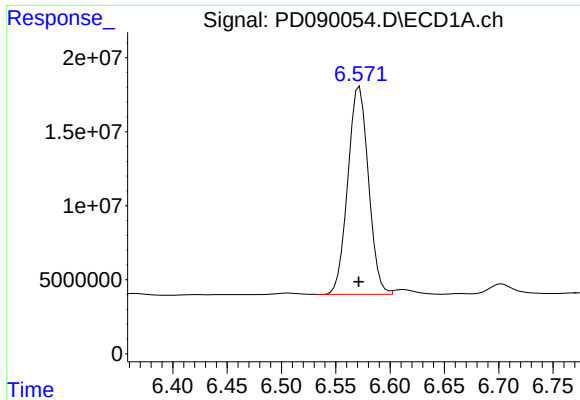
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 20263505
Conc: 9.03 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 120659754
Conc: 9.05 ng/ml



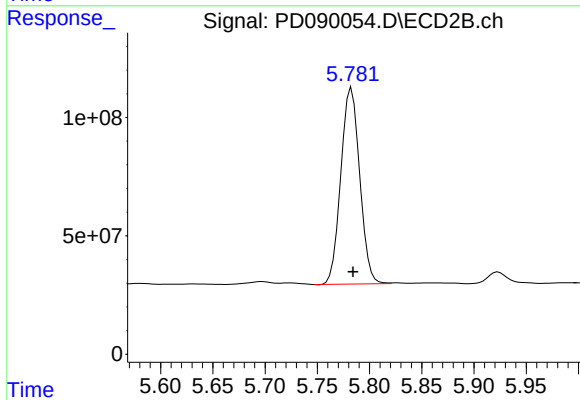
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 185676744
Conc: 44.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

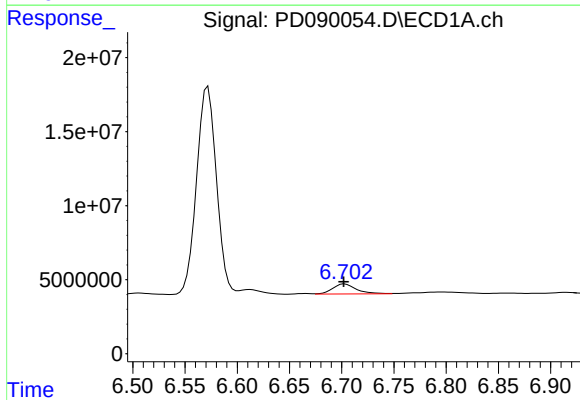
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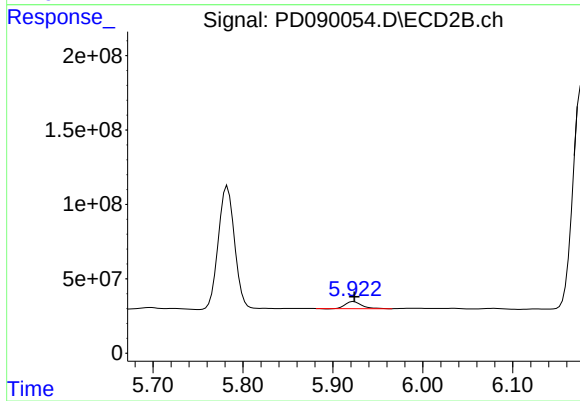
#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.002 min
Response: 1040461337
Conc: 39.07 ng/ml



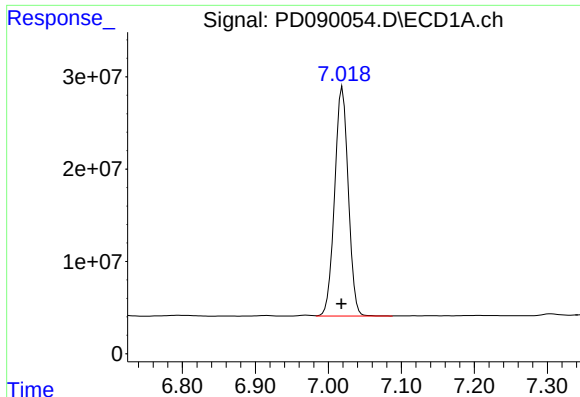
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 10542708
Conc: 3.05 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 58558822
Conc: 2.44 ng/ml



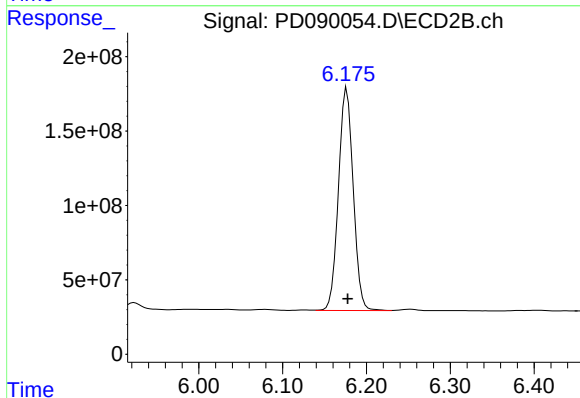
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.002 min
Response: 321634595
Conc: 84.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

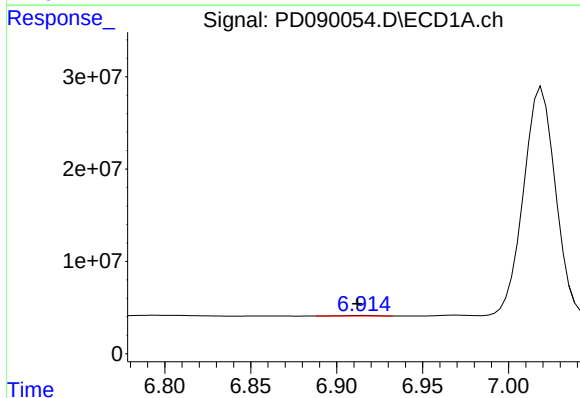
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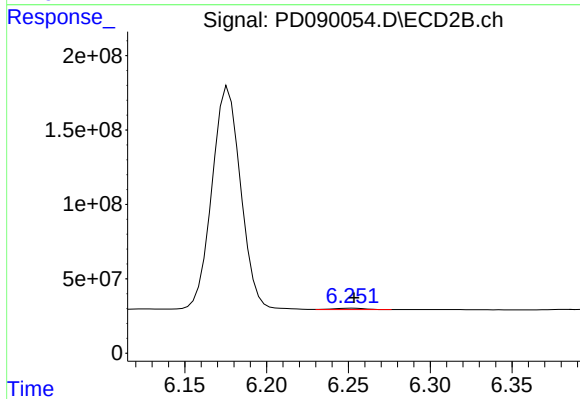
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1830002885
Conc: 73.00 ng/ml



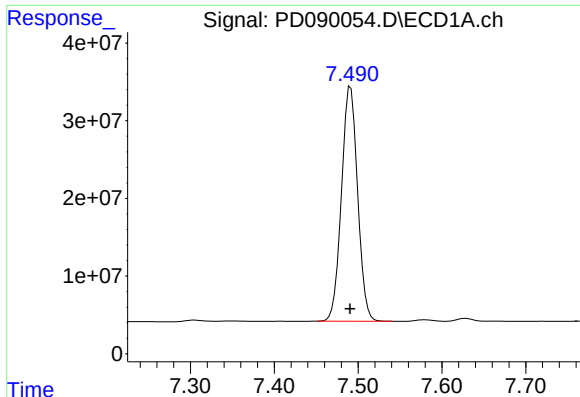
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.002 min
Response: 635732
Conc: 0.22 ng/ml m



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.001 min
Response: 11840952
Conc: 0.69 ng/ml



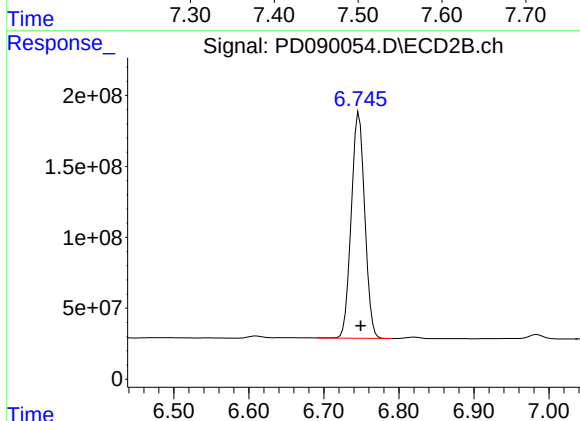
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 404607598
Conc: 201.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

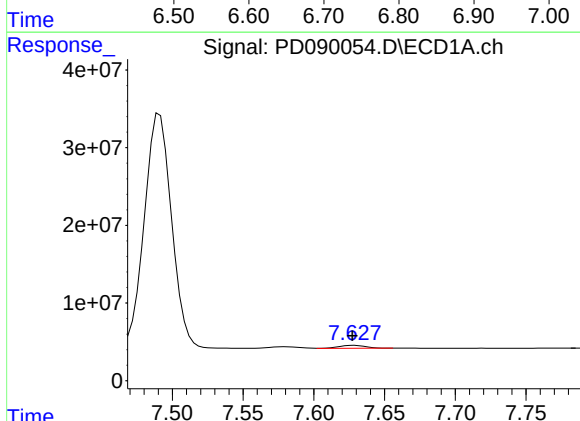
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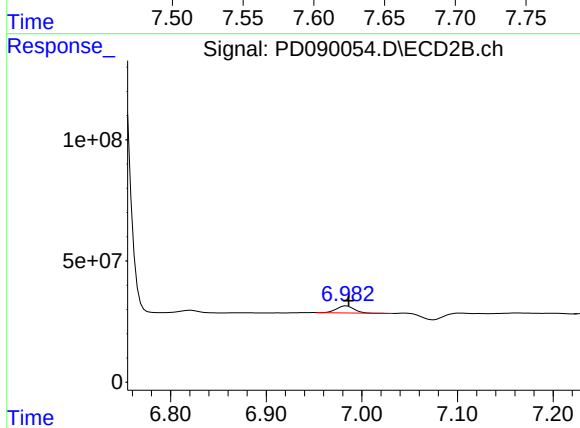
#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 1987287044
Conc: 154.10 ng/ml



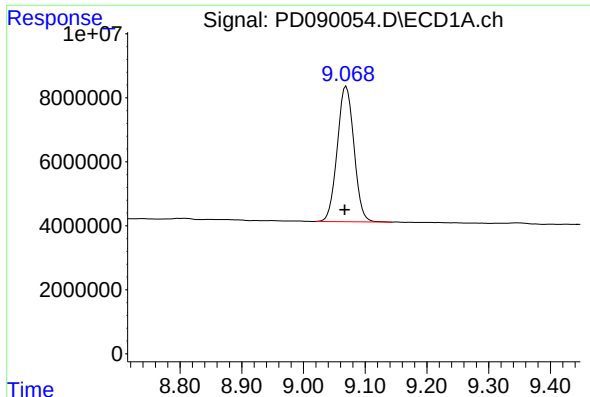
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 4984770
Conc: 1.20 ng/ml m



#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.002 min
Response: 36778207
Conc: 1.38 ng/ml



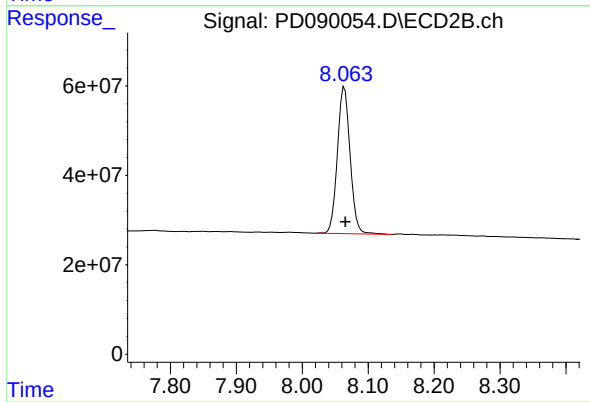
#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.002 min
Response: 79639793
Conc: 18.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 440280042
Conc: 17.01 ng/ml