

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091625\
 Data File : PD090285.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Sep 2025 09:31
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/17/2025
 Supervised By :mohammad ahmed 09/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 17 02:46:10 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...	3.545	2.876	51966237	456.4E6	17.707m	20.698
28)	SA Decachlor...	9.066	8.062	83511351	572.3E6	19.350	22.107
Target Compounds							
2)	A alpha-BHC	3.995	3.386	50779610	376.6E6	8.460	11.095m#
3)	MA gamma-BHC...	4.325	3.724	49032919	352.0E6	8.562m	11.291 #
6)	B beta-BHC	4.512	4.020	21089708	153.5E6	9.402	11.514
14)	MA Endrin	6.567	5.782	191.3E6	1422.6E6	46.175m	53.416
16)	A 4,4'-DDD	6.699	5.923	3193856	30271612	0.923m	1.259 #
17)	MA 4,4'-DDT	7.015	6.175	342.6E6	2625.9E6	89.924m	104.744
18)	B Endrin al...	6.910	6.249	884977	17088169	0.309m	0.992 #
20)	A Methoxychlor	7.489	6.745	423.9E6	2694.9E6	211.349	208.972
21)	B Endrin ke...	7.625	6.982	3258065	28837192	0.786	1.082 #

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

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Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

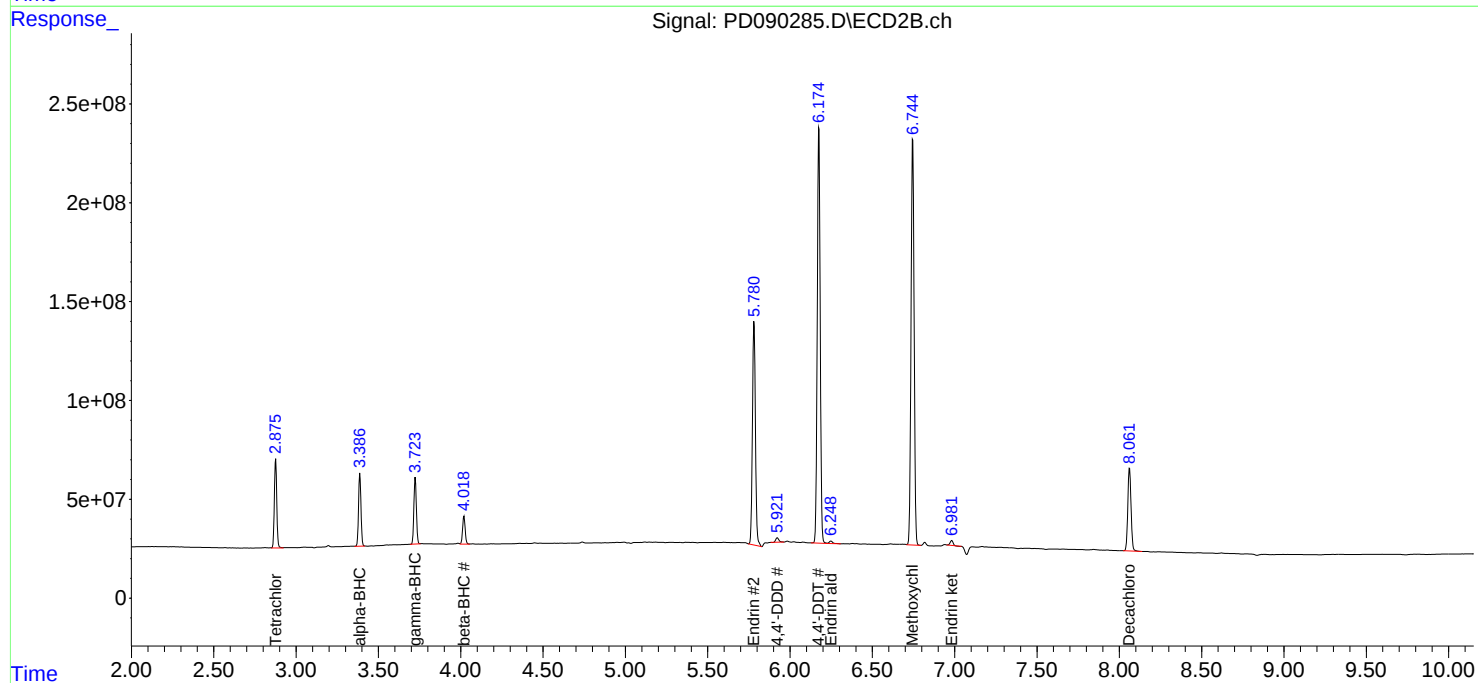
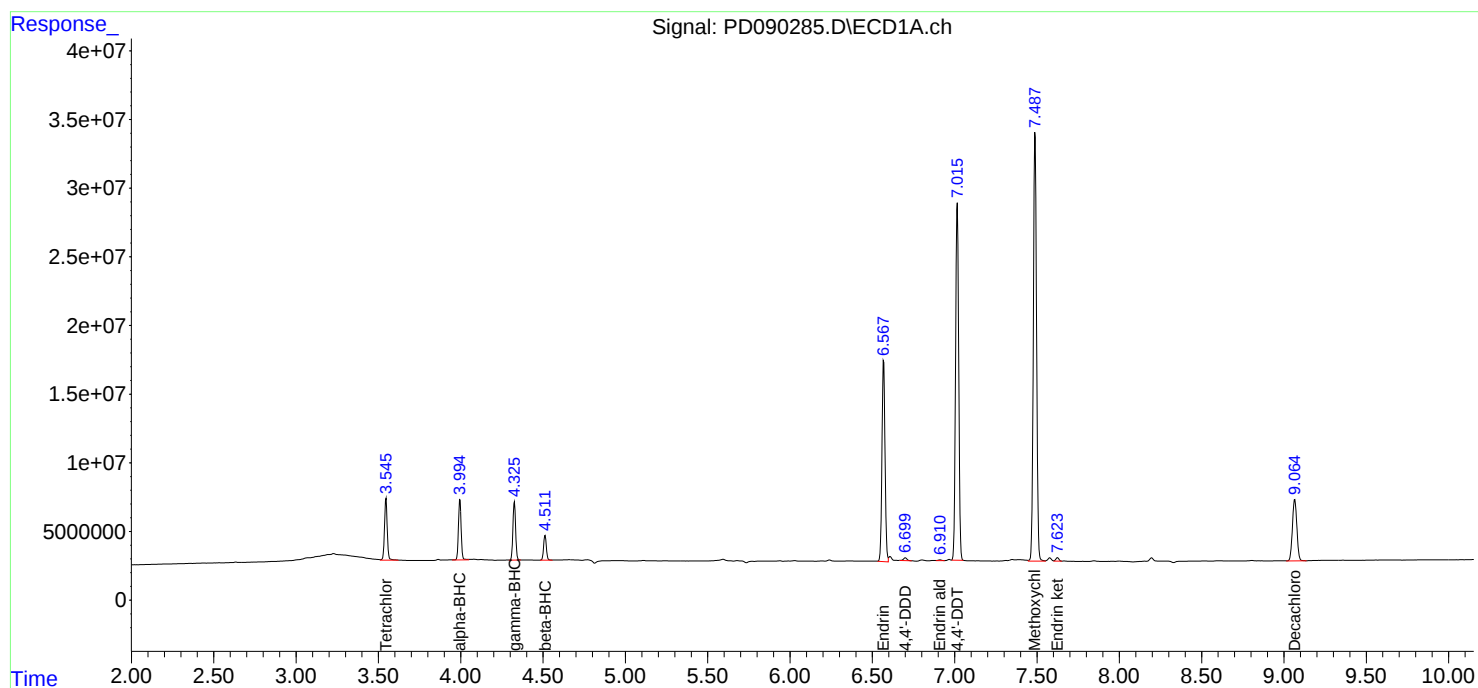
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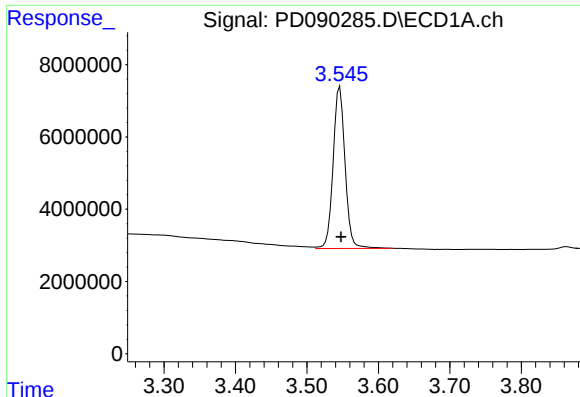
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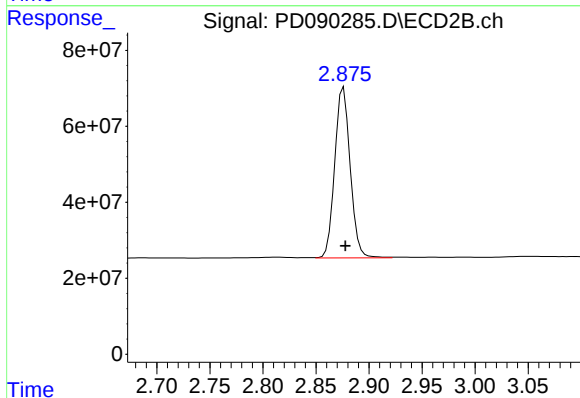
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.003 min
Response: 51966237
Conc: 17.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

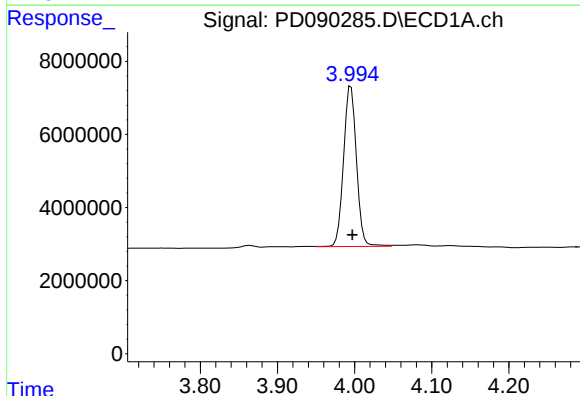
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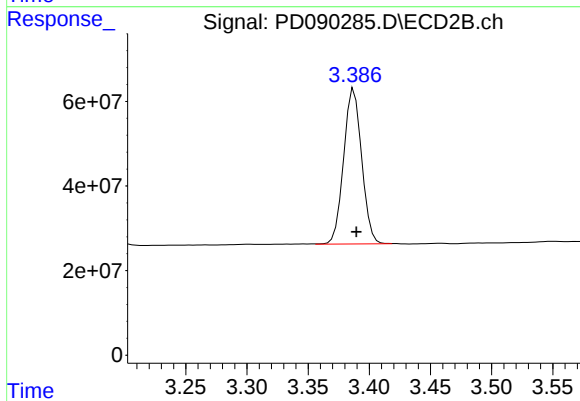
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 456406216
Conc: 20.70 ng/ml



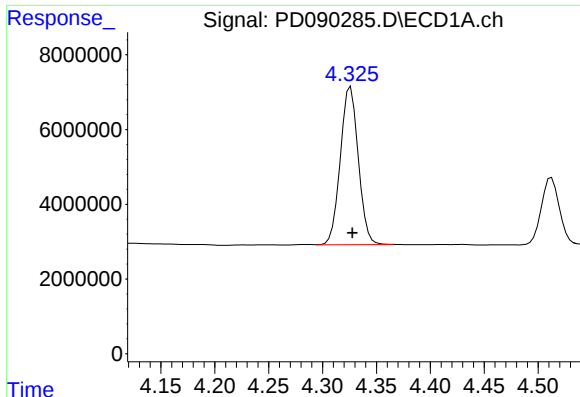
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 50779610
Conc: 8.46 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.003 min
Response: 376560806
Conc: 11.10 ng/ml m



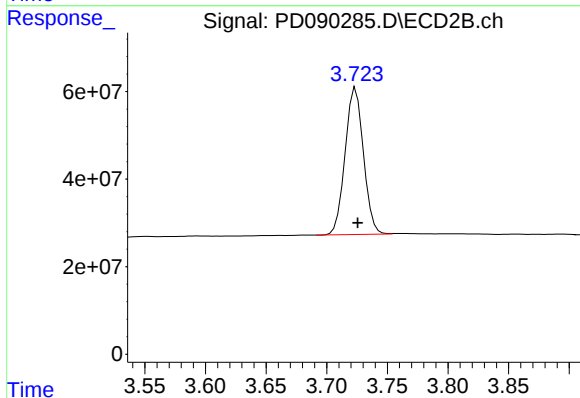
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.003 min
Response: 49032919
Conc: 8.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

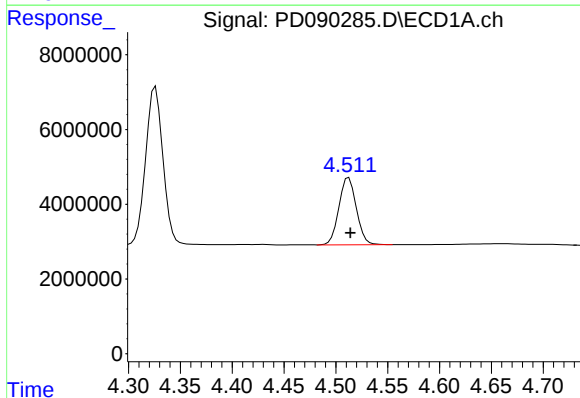
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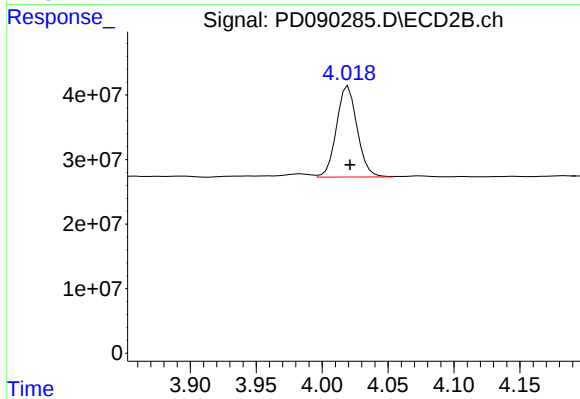
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.002 min
Response: 351962275
Conc: 11.29 ng/ml



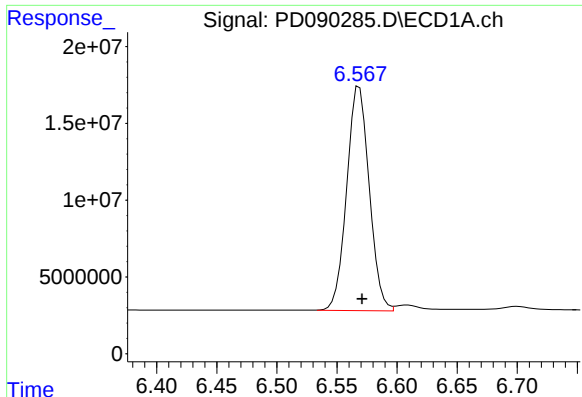
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 21089708
Conc: 9.40 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: -0.002 min
Response: 153486851
Conc: 11.51 ng/ml



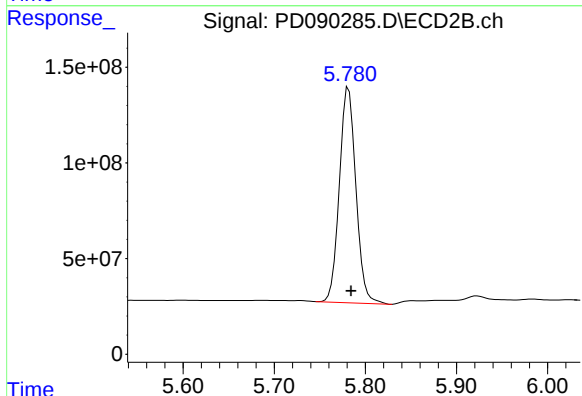
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.004 min
Response: 191328359
Conc: 46.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

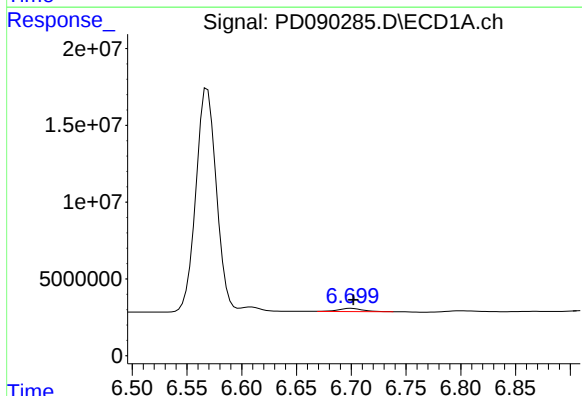
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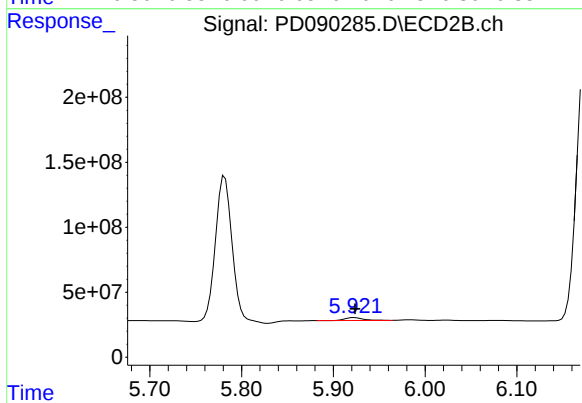
#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.003 min
Response: 1422592266
Conc: 53.42 ng/ml



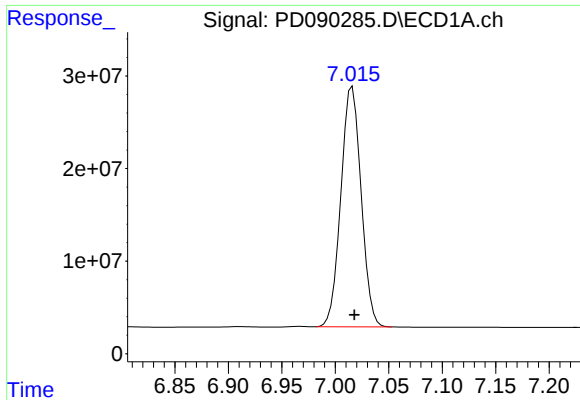
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.003 min
Response: 3193856
Conc: 0.92 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.001 min
Response: 30271612
Conc: 1.26 ng/ml



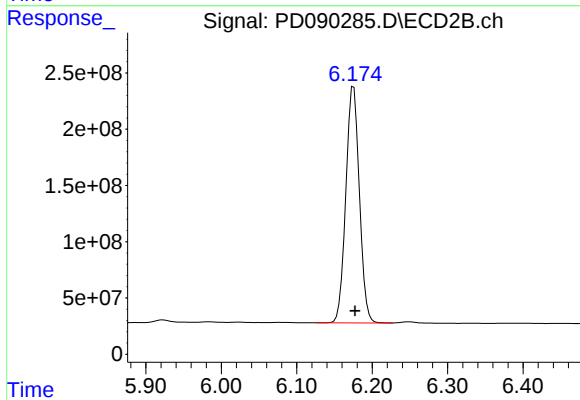
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.003 min
Response: 342588733
Conc: 89.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

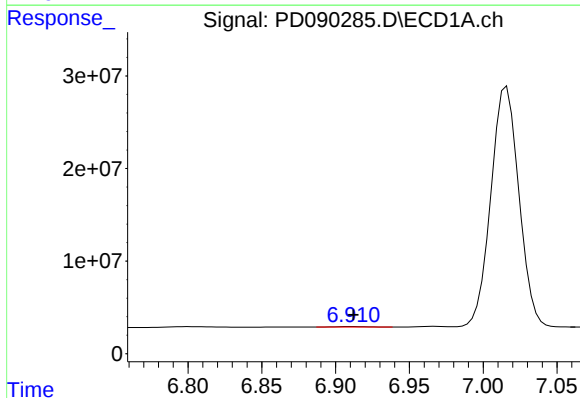
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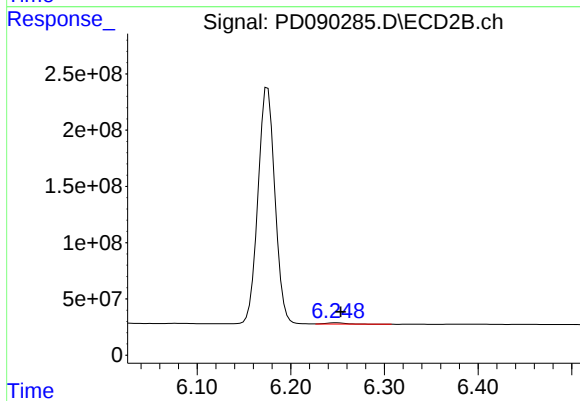
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.002 min
Response: 2625904155
Conc: 104.74 ng/ml



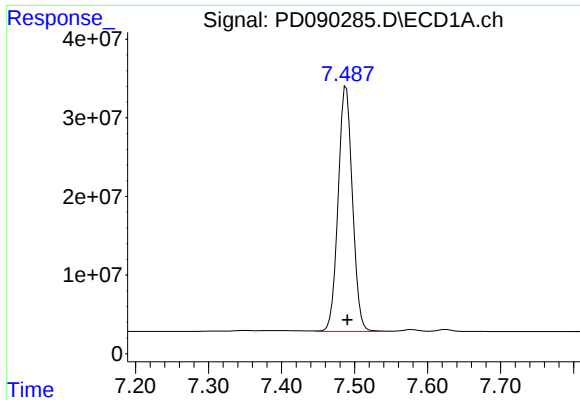
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.002 min
Response: 884977
Conc: 0.31 ng/ml m



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.004 min
Response: 17088169
Conc: 0.99 ng/ml



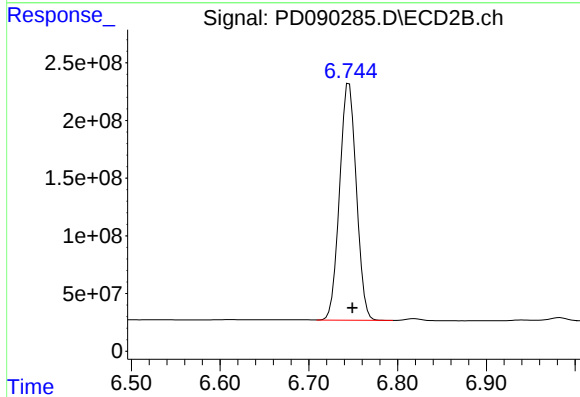
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.002 min
Response: 423885922
Conc: 211.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

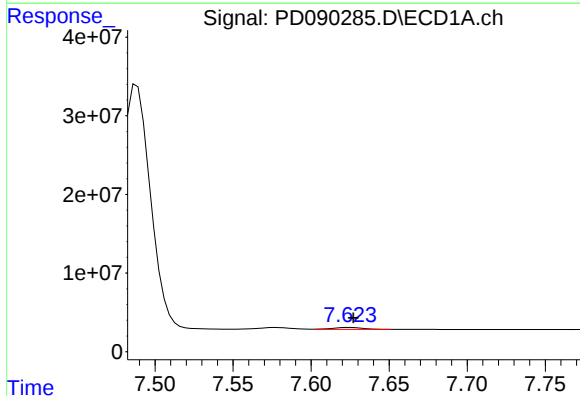
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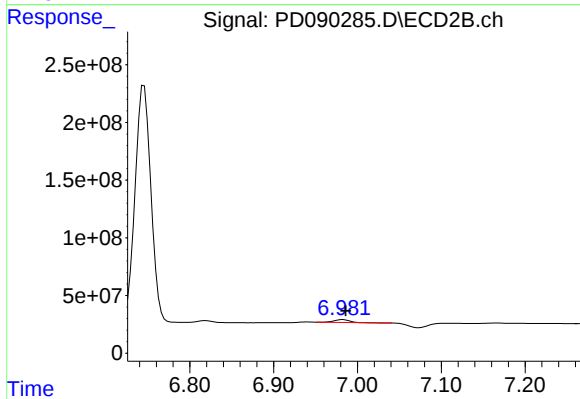
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.003 min
Response: 2694851893
Conc: 208.97 ng/ml



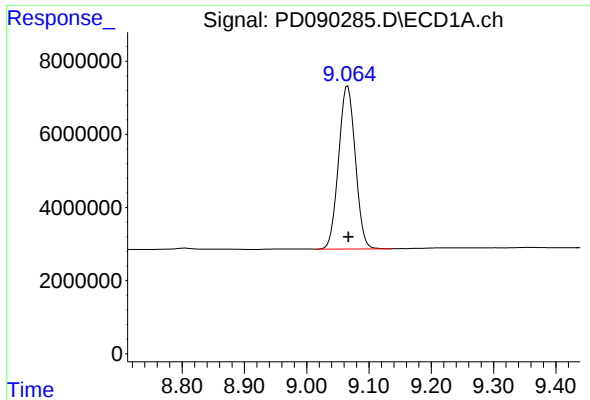
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 3258065
Conc: 0.79 ng/ml



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.004 min
Response: 28837192
Conc: 1.08 ng/ml



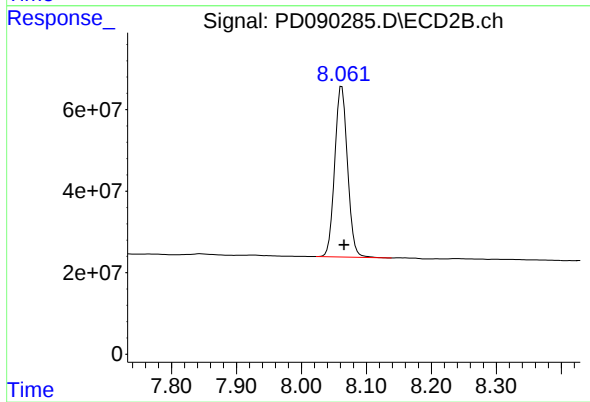
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 83511351
Conc: 19.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.003 min
Response: 572258987
Conc: 22.11 ng/ml