

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD031325\
 Data File : PD087980.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 20:44
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/18/2025
 Supervised By :mohammad ahmed 03/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 18 06:01:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD031325.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 18 05:48:25 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...	3.554	2.884	37135453	287.0E6	20.506	21.104
28)	SA Decachlor...	9.081	8.081	65448254	345.1E6	21.925	22.083
Target Compounds							
2)	A alpha-BHC	4.003	3.397	36590860	235.5E6	9.239	11.191
3)	MA gamma-BHC...	4.334	3.734	35340885	216.4E6	9.376	11.010
6)	B beta-BHC	4.519	4.030	16010918	102.9E6	10.594	11.885
14)	MA Endrin	6.581	5.796	130.0E6	769.0E6	46.647	45.892
16)	A 4,4'-DDD	6.710	5.938	1734423	9708045	0.738	0.651
17)	MA 4,4'-DDT	7.027	6.190	261.5E6	1462.3E6	99.722	94.579
18)	B Endrin al...	6.921	6.265	3328314	26984251	1.505	2.143 #
20)	A Methoxychlor	7.499	6.762	342.1E6	1672.3E6	242.805	202.326
21)	B Endrin ke...	7.634	6.998	5679074	44618531	1.978m	2.622 #

(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

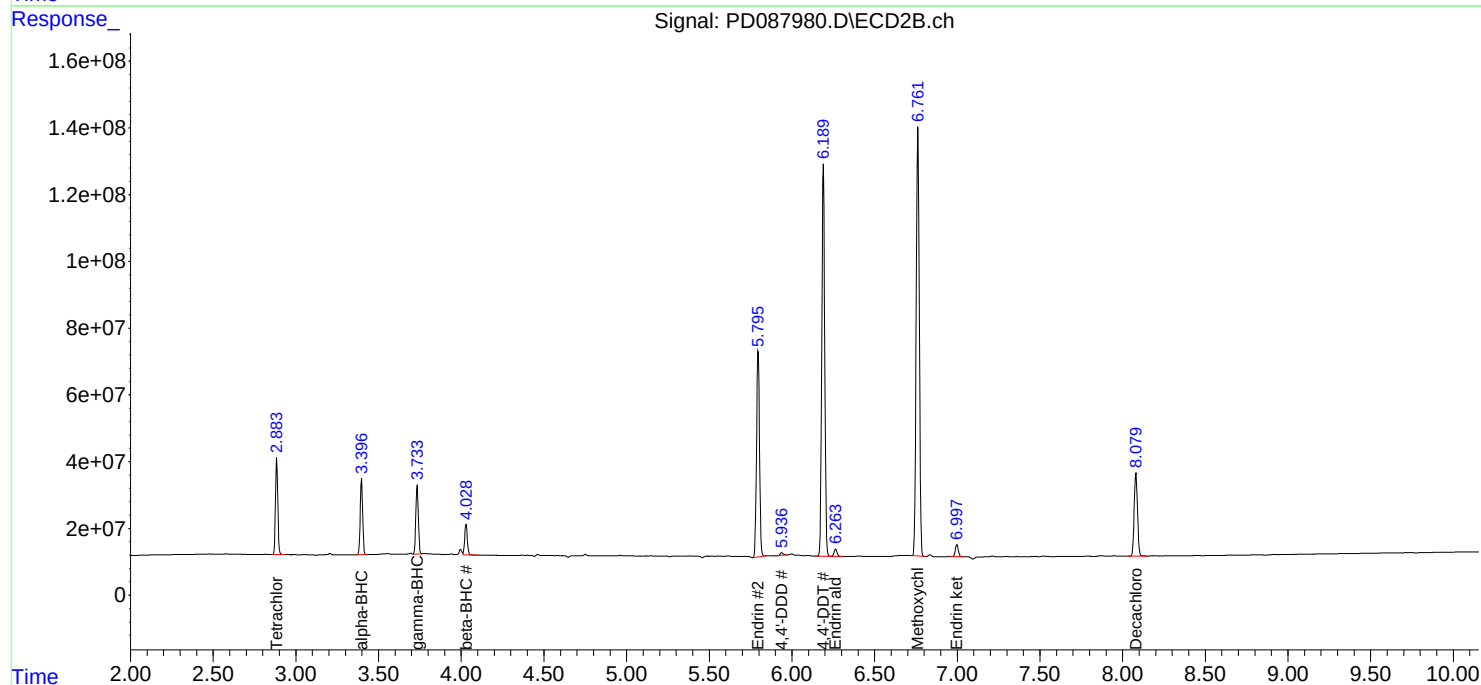
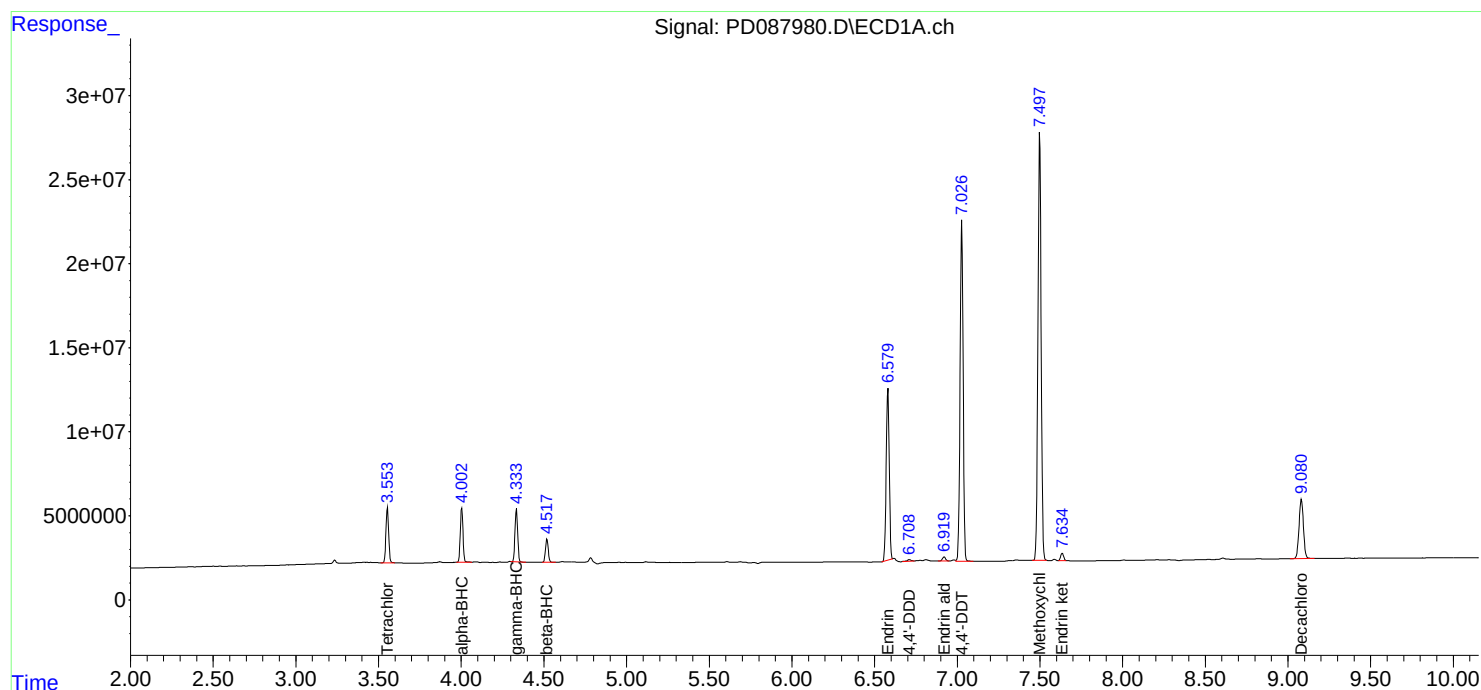
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ECD_D
ClientSampleId :
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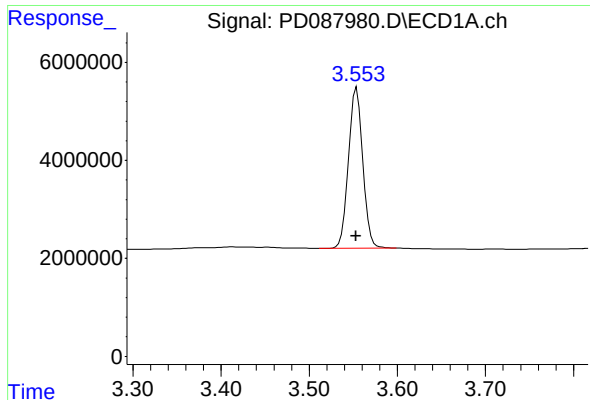
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Integration File signal 1: autoint1.e
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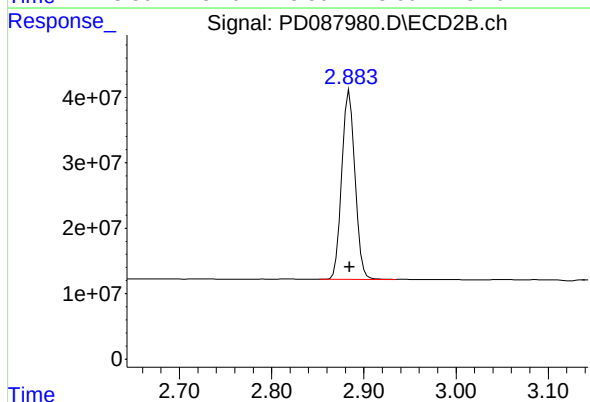
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.000 min
Response: 37135453
Conc: 20.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

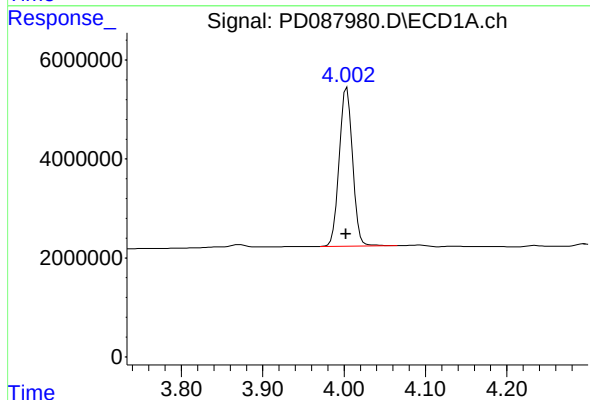
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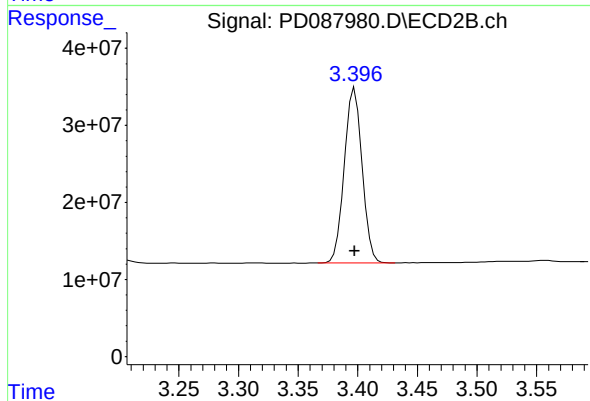
#1 Tetrachloro-m-xylene

R.T.: 2.884 min
Delta R.T.: 0.000 min
Response: 286990803
Conc: 21.10 ng/ml



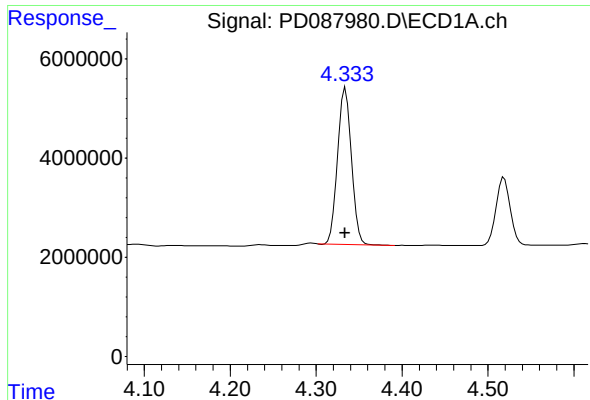
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.001 min
Response: 36590860
Conc: 9.24 ng/ml



#2 alpha-BHC

R.T.: 3.397 min
Delta R.T.: 0.000 min
Response: 235548789
Conc: 11.19 ng/ml



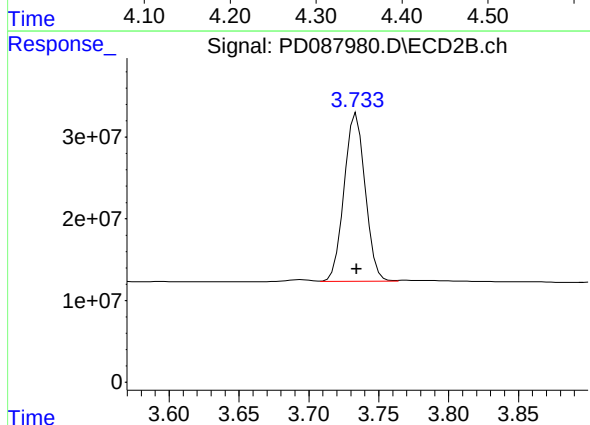
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.000 min
Response: 35340885
Conc: 9.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

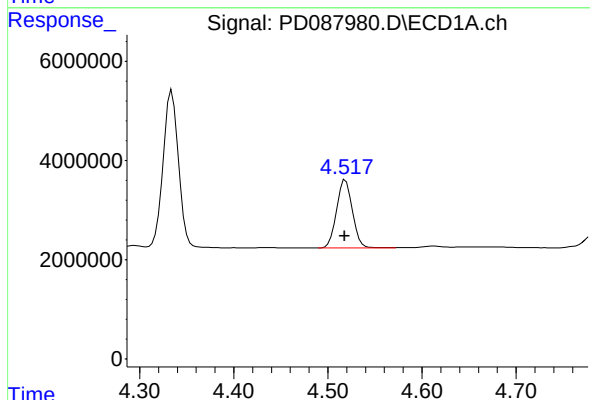
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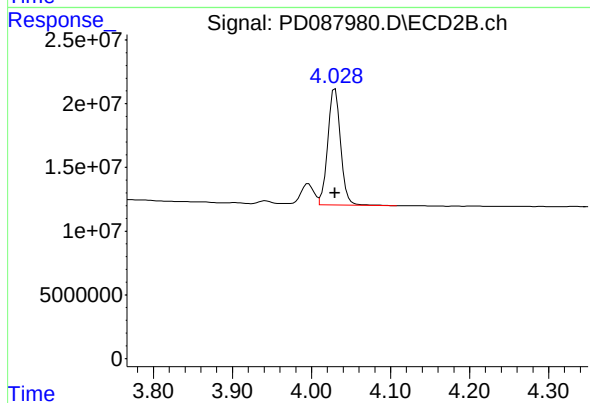
#3 gamma-BHC (Lindane)

R.T.: 3.734 min
Delta R.T.: 0.000 min
Response: 216368104
Conc: 11.01 ng/ml



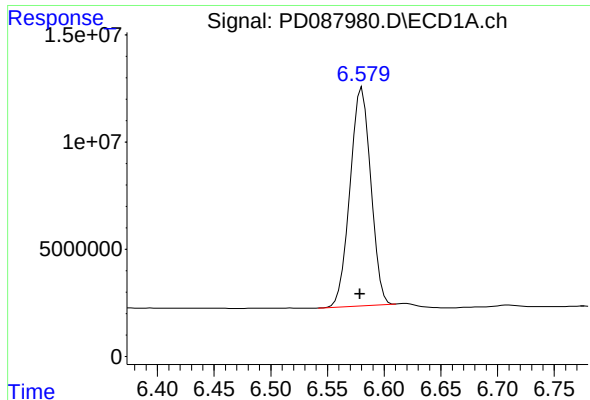
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.000 min
Response: 16010918
Conc: 10.59 ng/ml



#6 beta-BHC

R.T.: 4.030 min
Delta R.T.: 0.000 min
Response: 102874097
Conc: 11.88 ng/ml



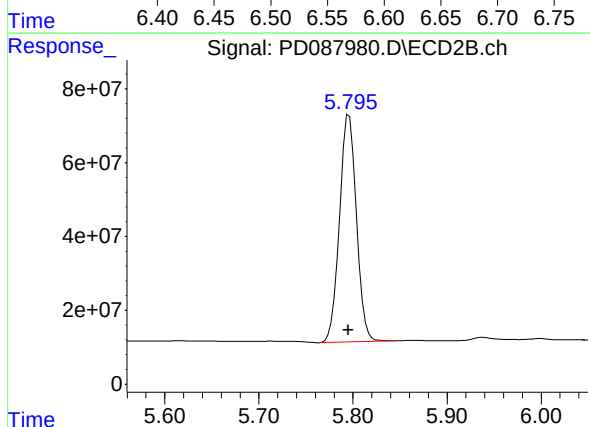
#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.002 min
Response: 130045404
Conc: 46.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

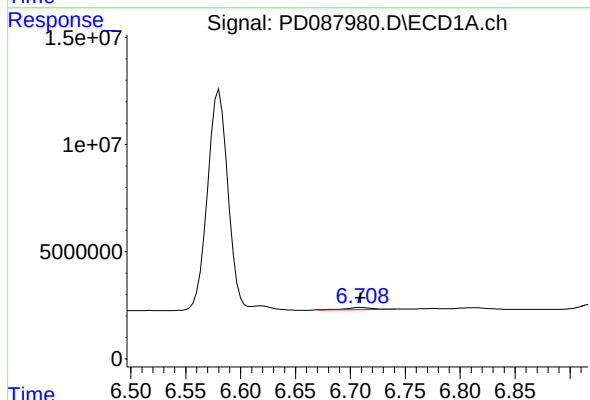
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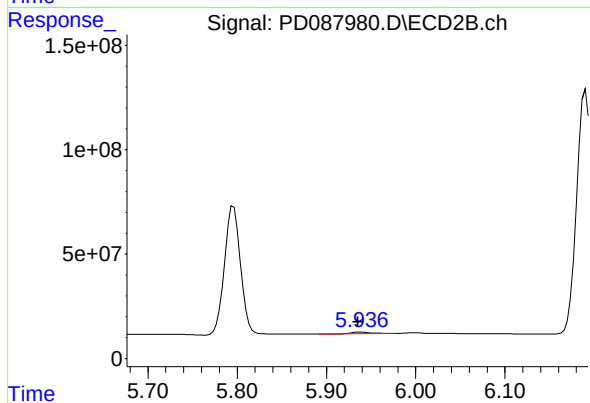
#14 Endrin

R.T.: 5.796 min
Delta R.T.: 0.001 min
Response: 768955076
Conc: 45.89 ng/ml



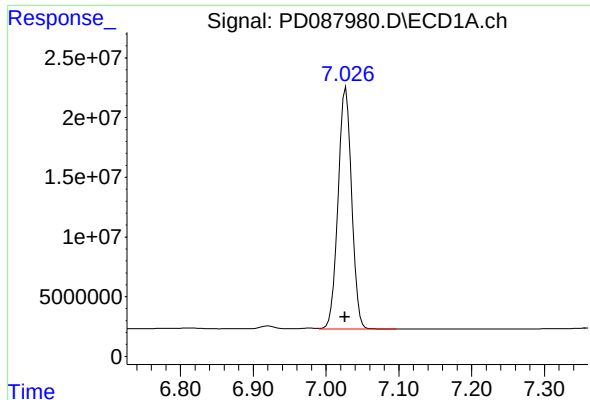
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 1734423
Conc: 0.74 ng/ml



#16 4,4'-DDD

R.T.: 5.938 min
Delta R.T.: 0.003 min
Response: 9708045
Conc: 0.65 ng/ml



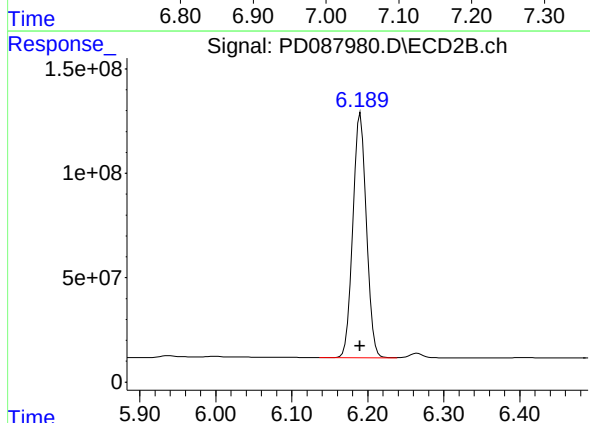
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.001 min
Response: 261499549
Conc: 99.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

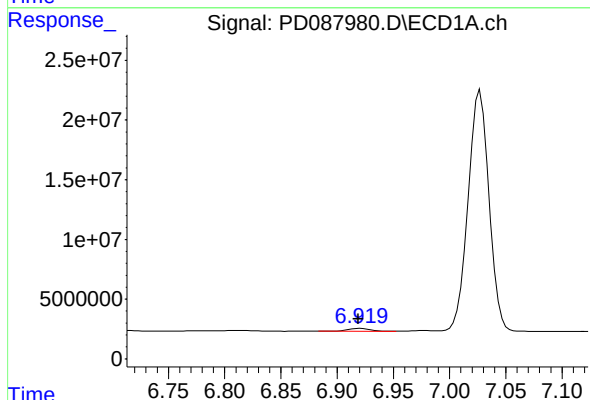
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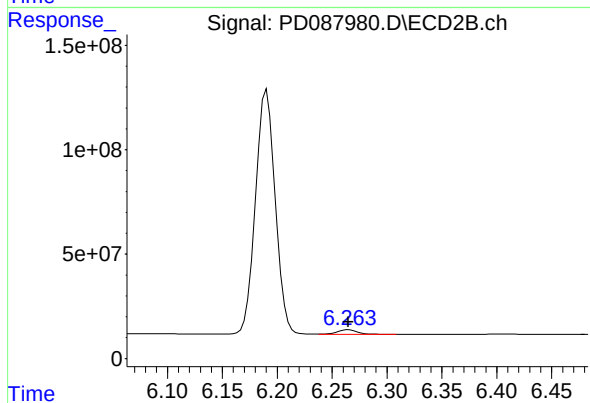
#17 4,4'-DDT

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 1462319951
Conc: 94.58 ng/ml



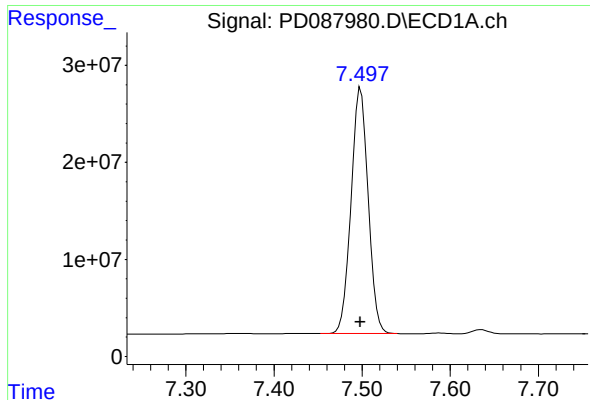
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.002 min
Response: 3328314
Conc: 1.50 ng/ml



#18 Endrin aldehyde

R.T.: 6.265 min
Delta R.T.: 0.000 min
Response: 26984251
Conc: 2.14 ng/ml



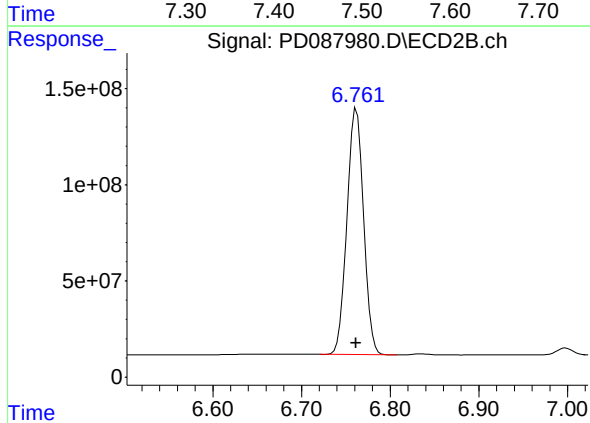
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 342128470
Conc: 242.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

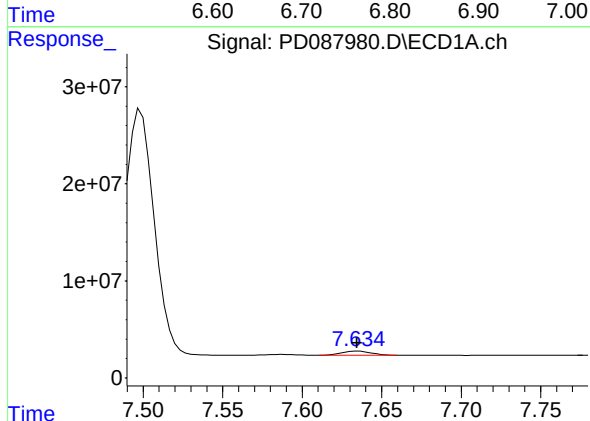
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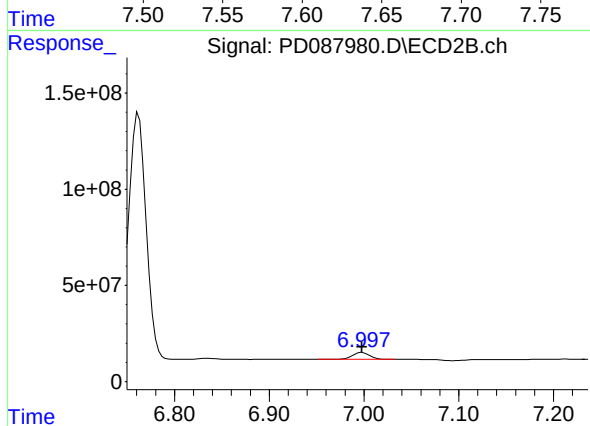
#20 Methoxychlor

R.T.: 6.762 min
Delta R.T.: 0.000 min
Response: 1672283947
Conc: 202.33 ng/ml



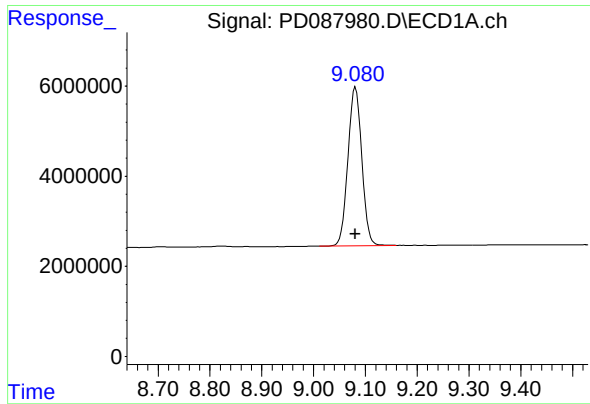
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 5679074
Conc: 1.98 ng/ml m



#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: 0.000 min
Response: 44618531
Conc: 2.62 ng/ml



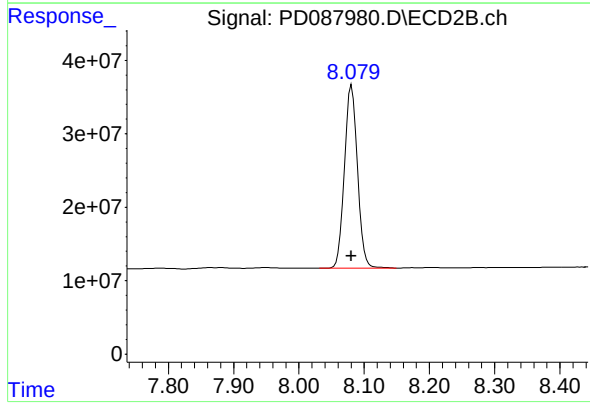
#28 Decachlorobiphenyl

R.T.: 9.081 min
Delta R.T.: 0.000 min
Response: 65448254
Conc: 21.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: 0.000 min
Response: 345061200
Conc: 22.08 ng/ml