

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
 Data File : PD088463.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:58
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 01:28:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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...	3.550	2.881	45838362	313.1E6	22.949	21.412
28) SA Decachlor...	9.071	8.073	79455818	392.7E6	24.019	21.248
Target Compounds						
2) A alpha-BHC	4.000	3.394	44549865	254.2E6	10.332	11.117
3) MA gamma-BHC...	4.330	3.730	44951530	241.1E6	10.735	11.193
6) B beta-BHC	4.515	4.026	18926991	106.1E6	11.659	11.469
14) MA Endrin	6.574	5.790	175.0E6	895.6E6	58.667	49.204
16) A 4,4'-DDD	6.704	5.931	1382263	9831958	0.550	0.600m
17) MA 4,4'-DDT	7.021	6.184	330.6E6	1668.0E6	119.012	98.021
18) B Endrin al...	6.916	6.257	472235	9209223	0.205m	0.692m#
20) A Methoxychlor	7.492	6.755	404.1E6	1663.1E6	269.489	182.339 #
21) B Endrin ke...	7.628	6.991	1860012	13783889	0.603m	0.737

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

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Data File : PD088463.D
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Acq On : 12 May 2025 12:58
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

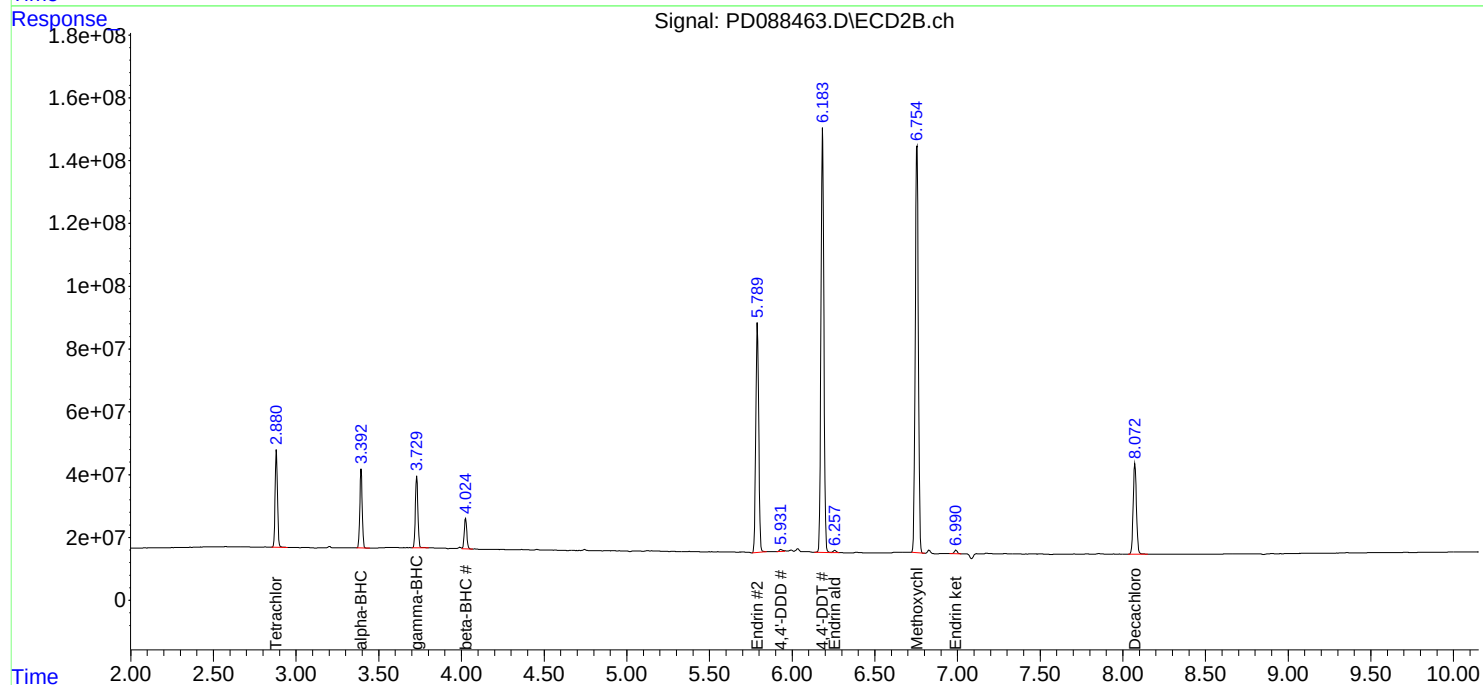
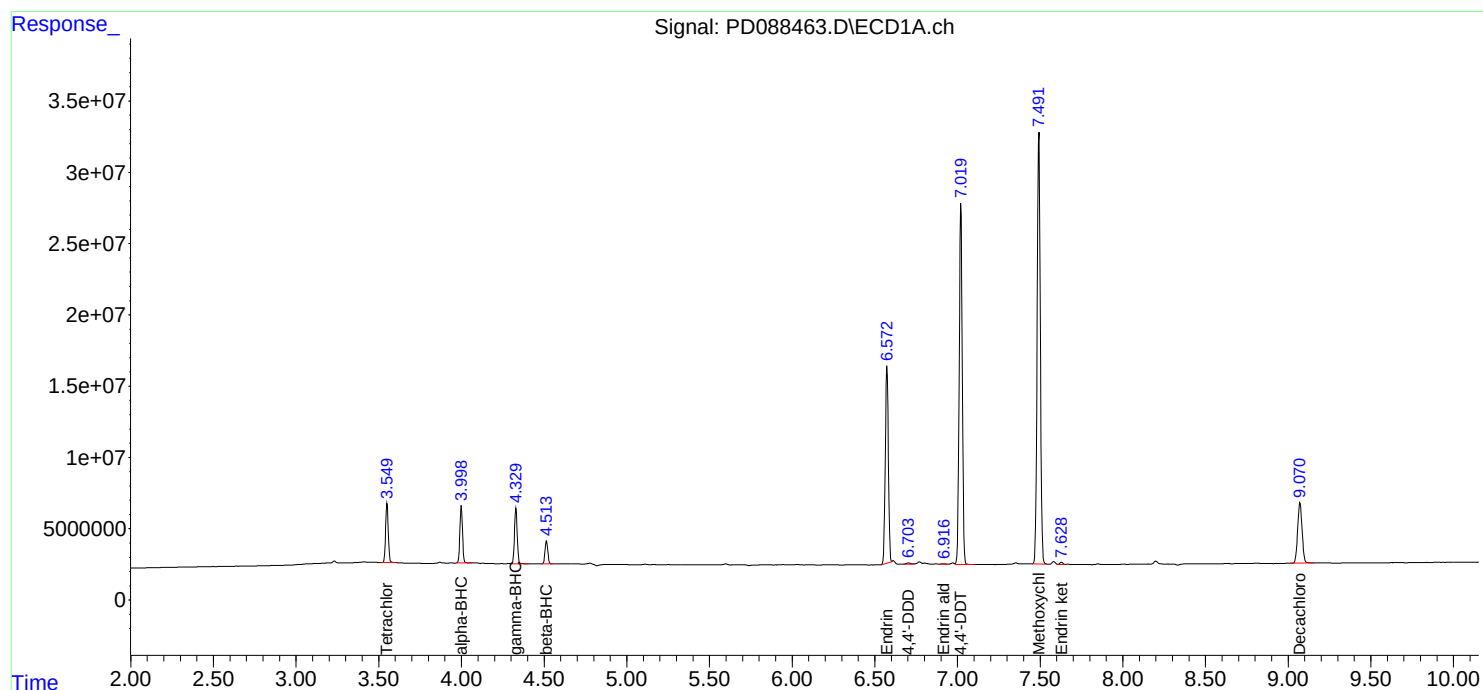
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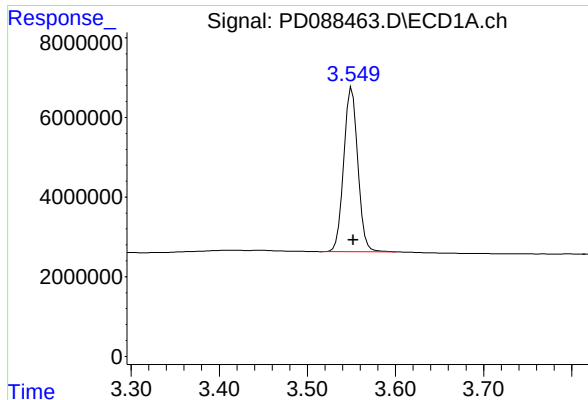
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 01:28:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





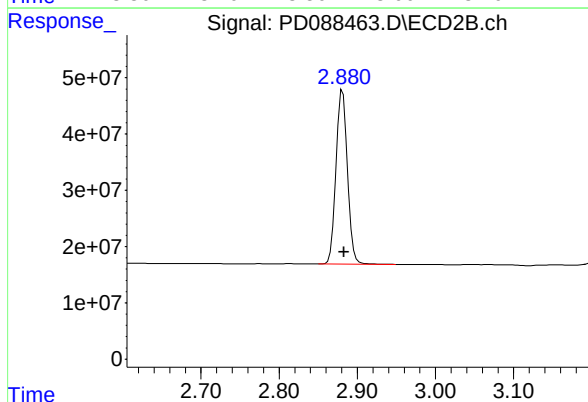
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 45838362
Conc: 22.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

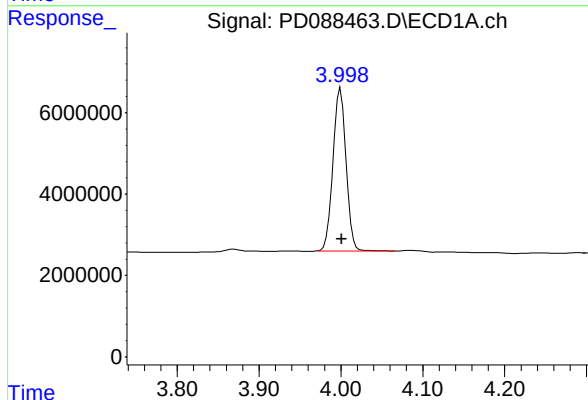
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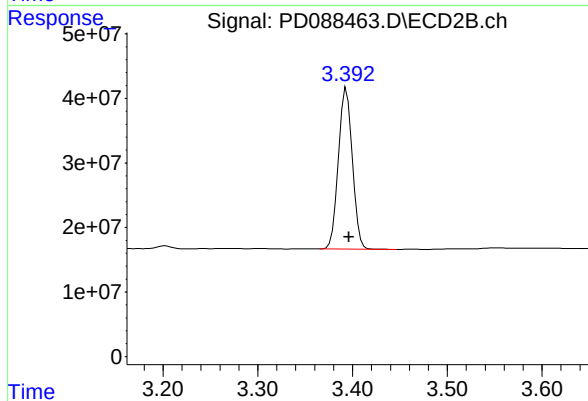
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 313077963
Conc: 21.41 ng/ml



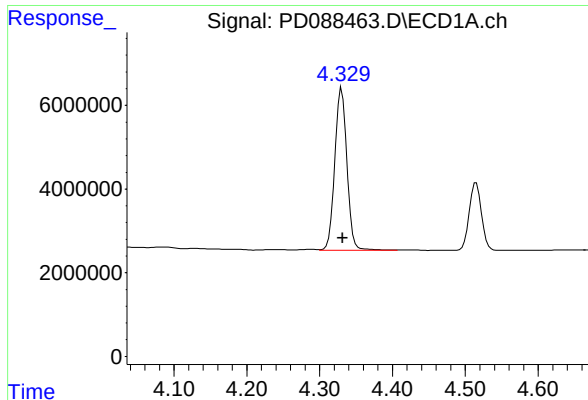
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: -0.001 min
Response: 44549865
Conc: 10.33 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 254159436
Conc: 11.12 ng/ml



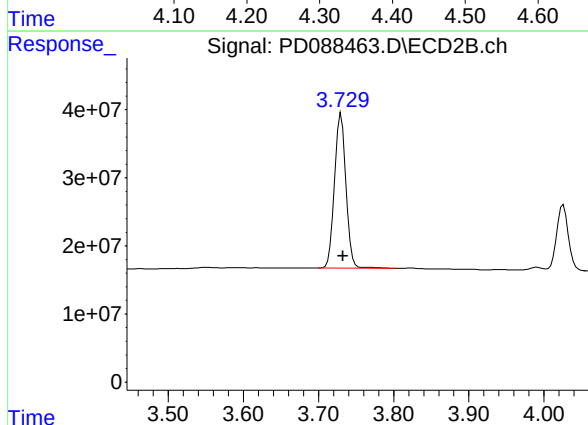
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: -0.002 min
Response: 44951530
Conc: 10.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

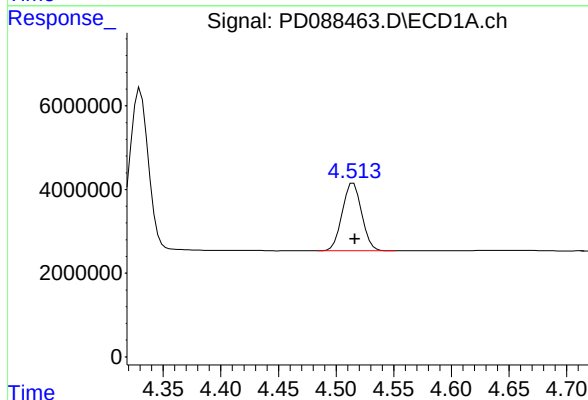
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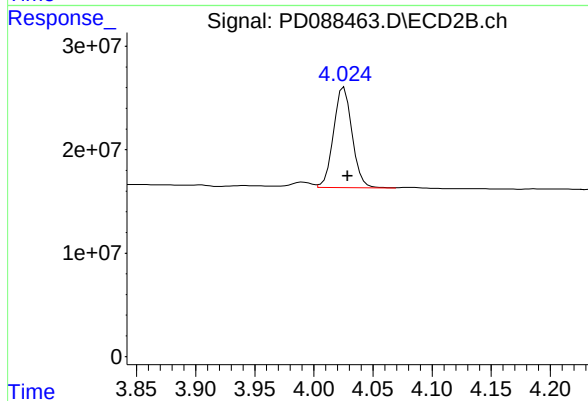
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: -0.003 min
Response: 241080726
Conc: 11.19 ng/ml



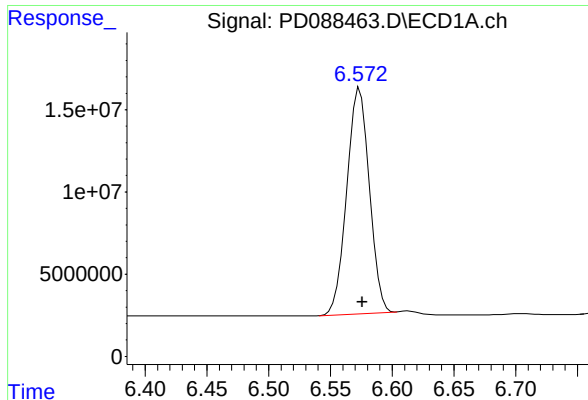
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: -0.001 min
Response: 18926991
Conc: 11.66 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.003 min
Response: 106132933
Conc: 11.47 ng/ml



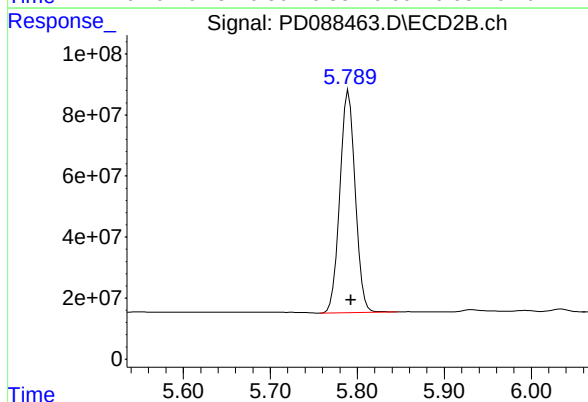
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.002 min
Response: 174978414
Conc: 58.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

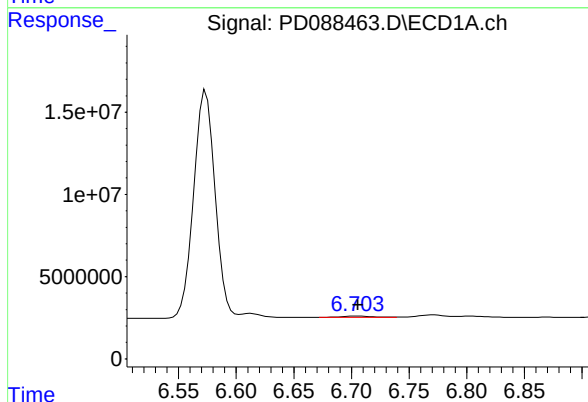
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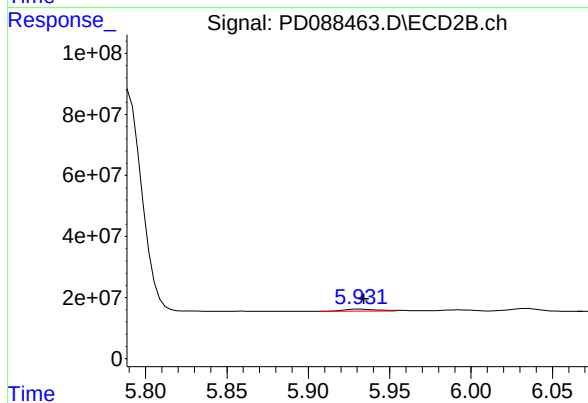
#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.003 min
Response: 895635222
Conc: 49.20 ng/ml



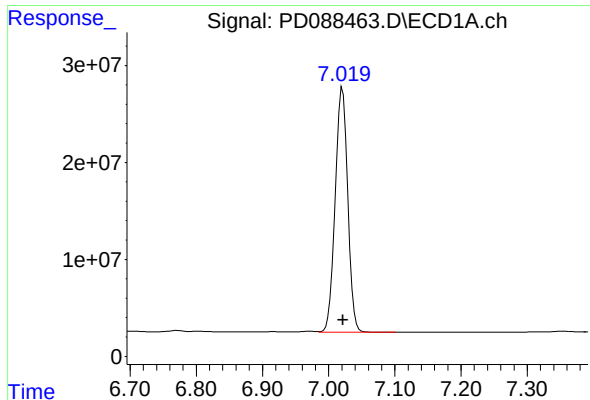
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.002 min
Response: 1382263
Conc: 0.55 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.003 min
Response: 9831958
Conc: 0.60 ng/ml m



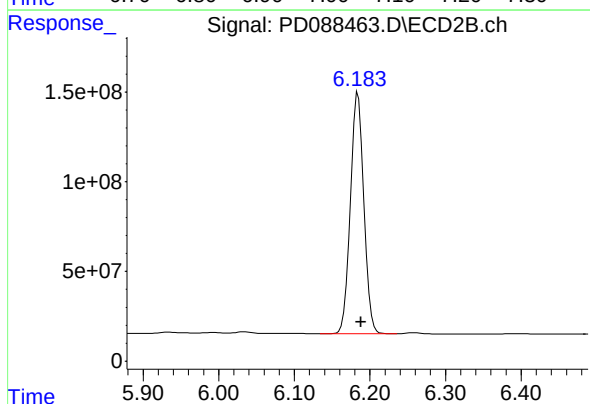
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 330560625
Conc: 119.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

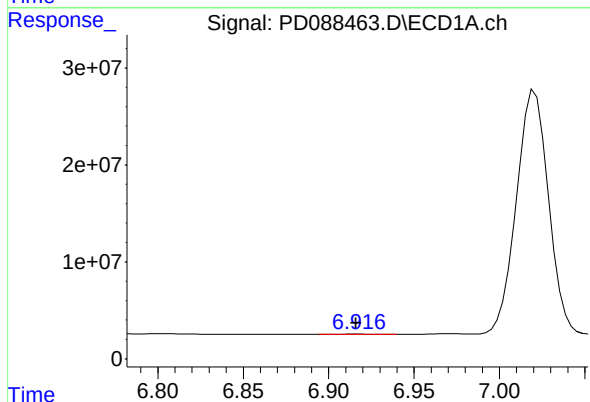
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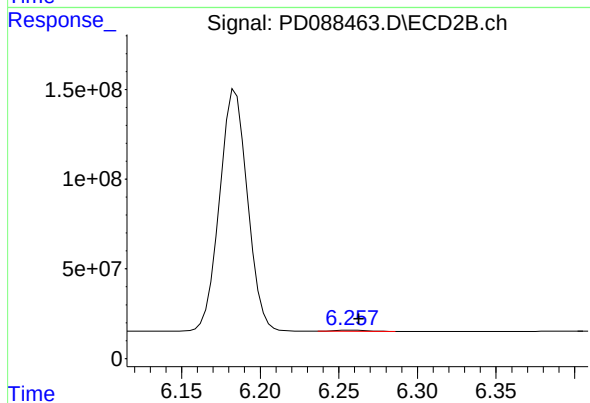
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.004 min
Response: 1667974200
Conc: 98.02 ng/ml



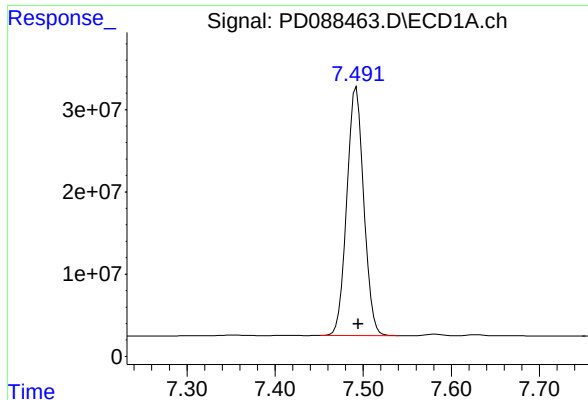
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 472235
Conc: 0.20 ng/ml m



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.006 min
Response: 9209223
Conc: 0.69 ng/ml m



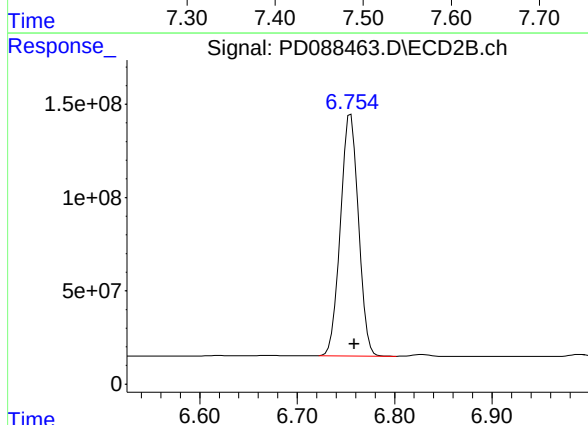
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.002 min
Response: 404110435
Conc: 269.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

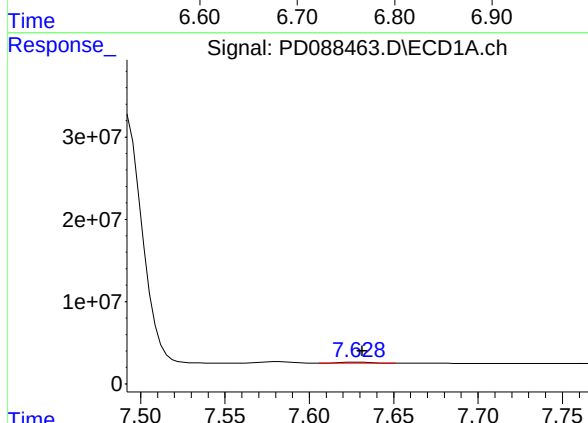
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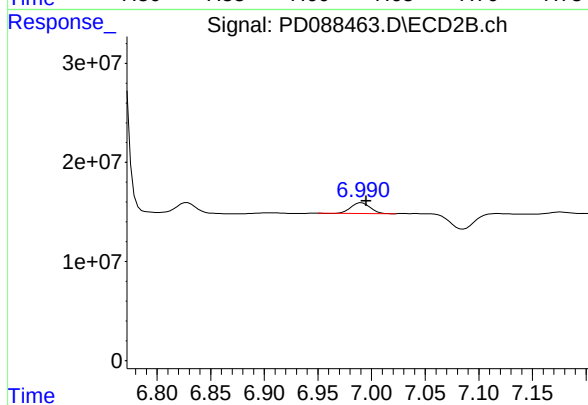
#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.004 min
Response: 1663128386
Conc: 182.34 ng/ml



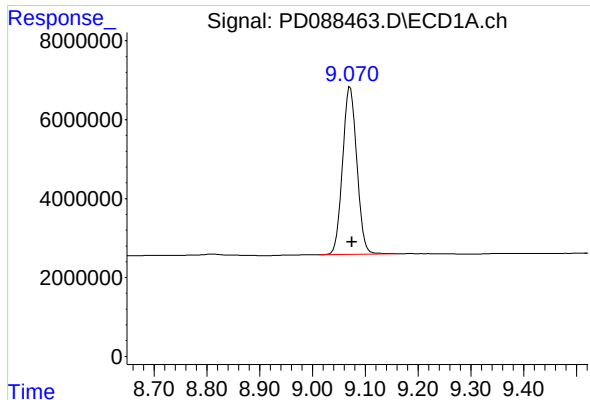
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.004 min
Response: 1860012
Conc: 0.60 ng/ml m



#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 13783889
Conc: 0.74 ng/ml



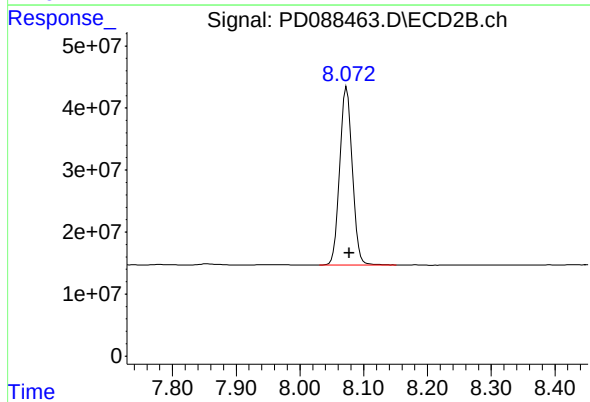
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.004 min
Response: 79455818
Conc: 24.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 392660881
Conc: 21.25 ng/ml