

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052225\
 Data File : PD088685.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 12:26
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/22/2025
 Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 21 14:21:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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...	3.551	2.881	50653478	360.4E6	23.410	23.828
28)	SA Decachlor...	9.075	8.074	82564130	423.7E6	24.125	23.206
Target Compounds							
2)	A alpha-BHC	4.000	3.394	50654405	294.3E6	10.605	12.310
3)	MA gamma-BHC...	4.331	3.730	50204709	272.8E6	10.908	12.309
6)	B beta-BHC	4.516	4.026	21412813	119.3E6	11.875	12.242
14)	MA Endrin	6.576	5.790	197.7E6	1034.5E6	57.897	53.643
16)	A 4,4'-DDD	6.706	5.930	28995505	165.9E6	10.411	9.538
17)	MA 4,4'-DDT	7.023	6.184	301.9E6	1649.6E6	96.686	90.948
18)	B Endrin al...	6.918	6.257	1000554	10962620	0.389m	0.787m#
20)	A Methoxychlor	7.495	6.754	384.1E6	1844.7E6	229.921	192.659
21)	B Endrin ke...	7.631	6.991	4983745	41770336	1.456	2.159 #

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

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Acq On : 21 May 2025 12:26
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

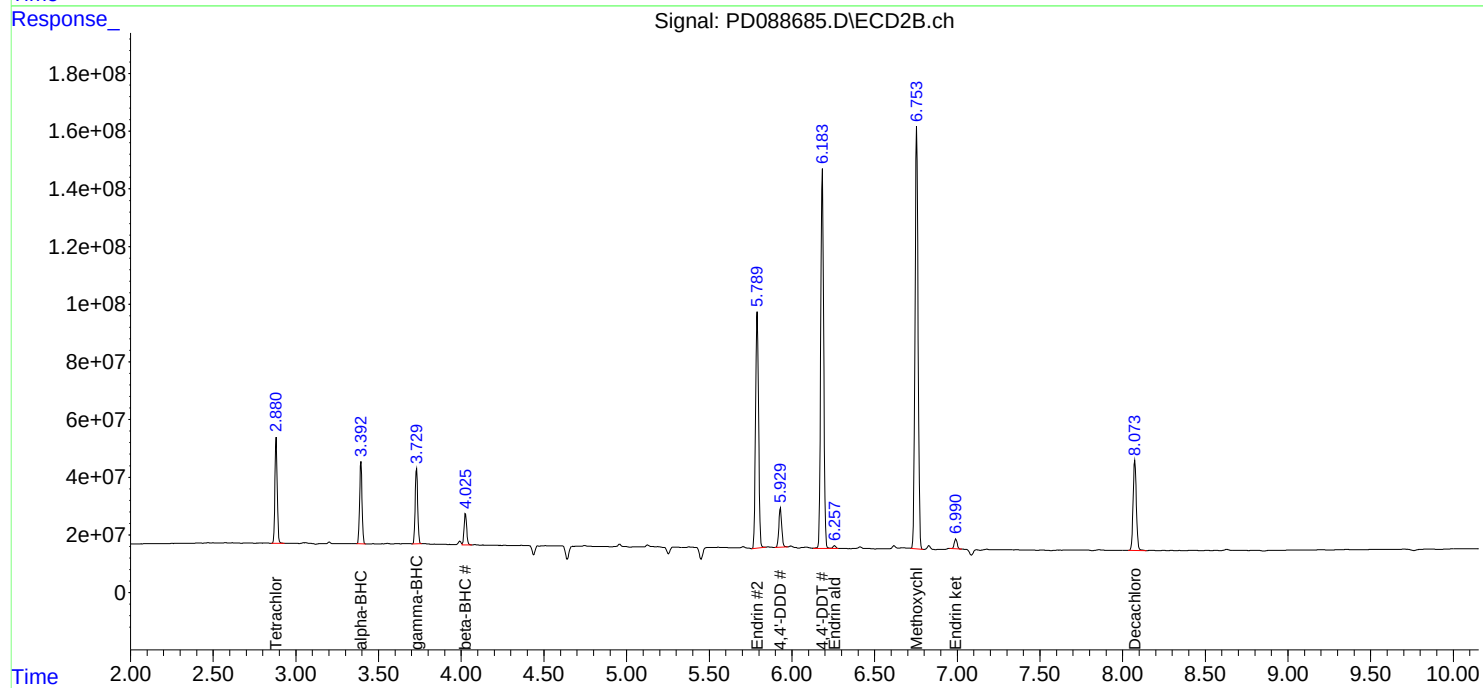
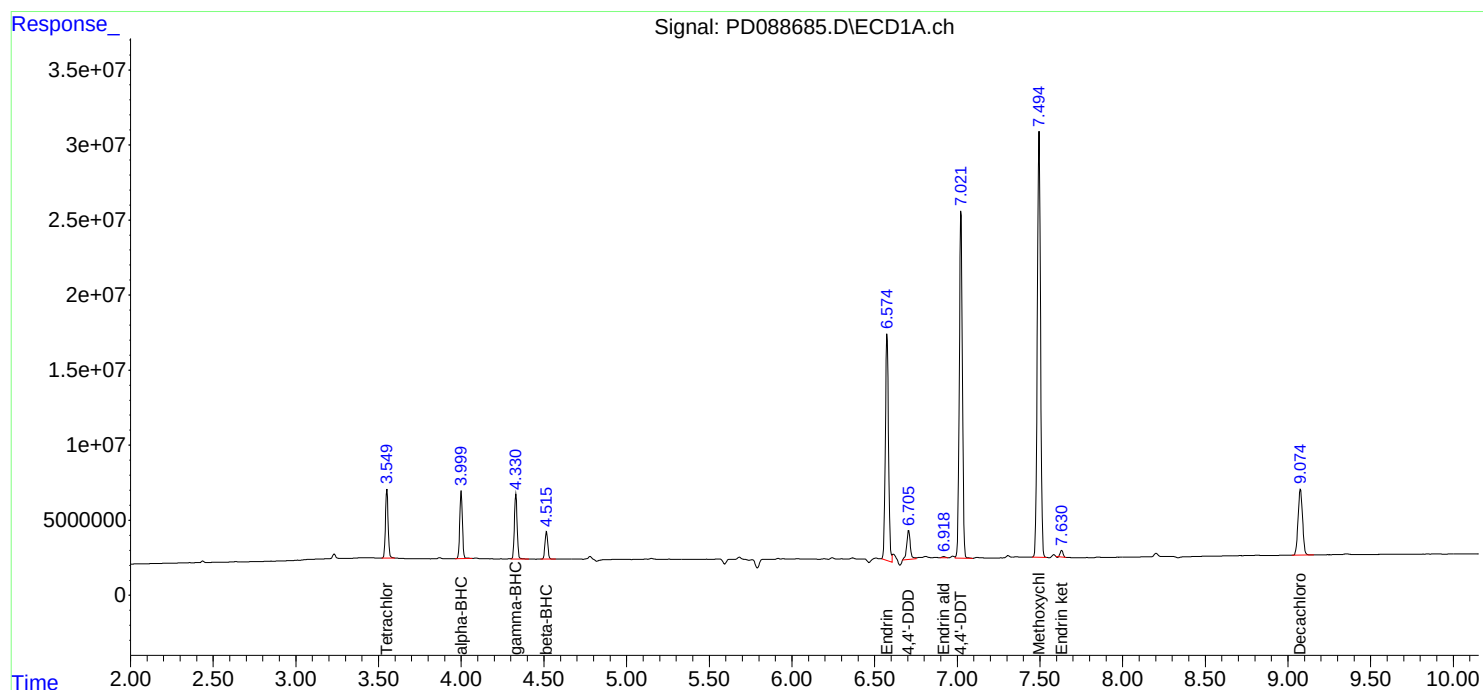
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ClientSampleId :
PEM

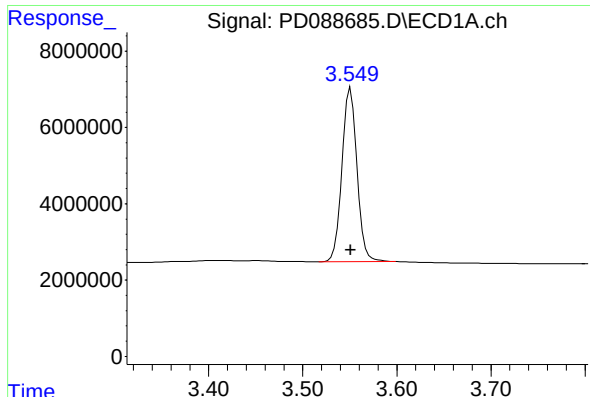
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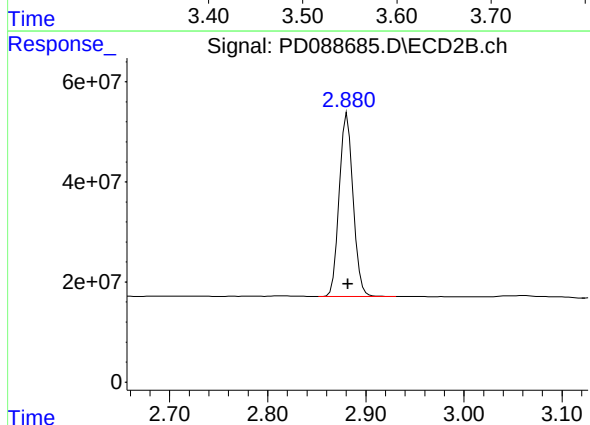
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 50653478
Conc: 23.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

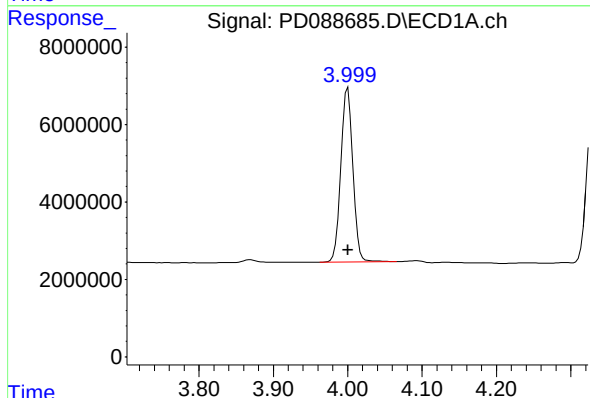
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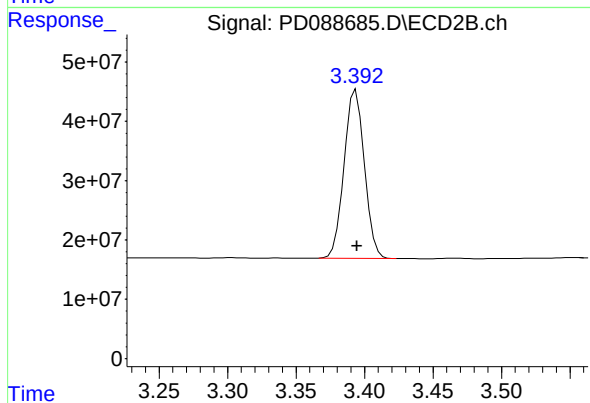
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 360437988
Conc: 23.83 ng/ml



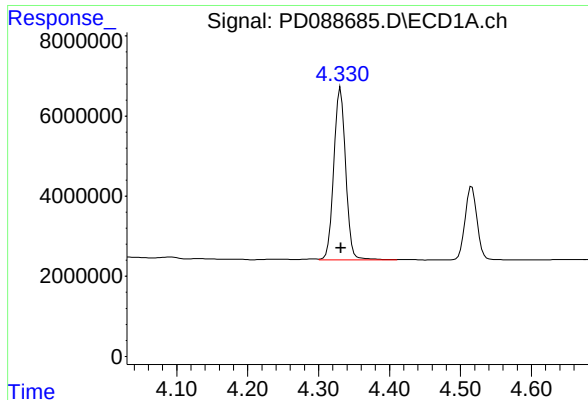
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 50654405
Conc: 10.60 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 294266039
Conc: 12.31 ng/ml



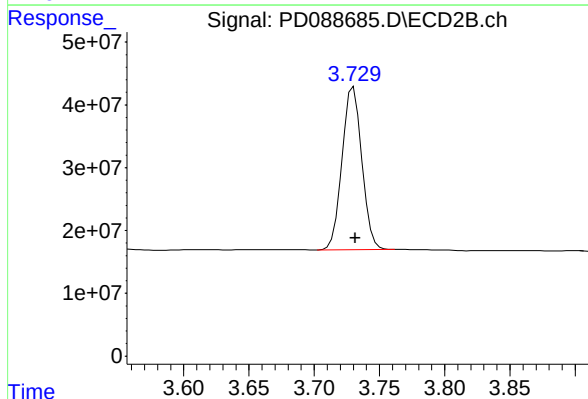
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 50204709
Conc: 10.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

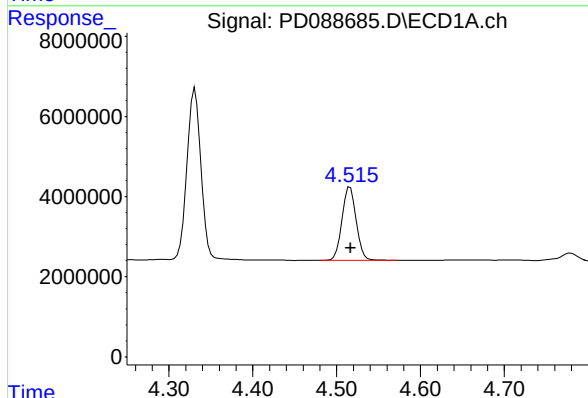
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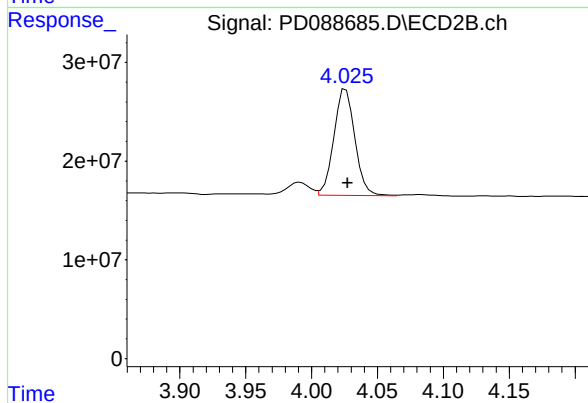
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: -0.001 min
Response: 272832386
Conc: 12.31 ng/ml



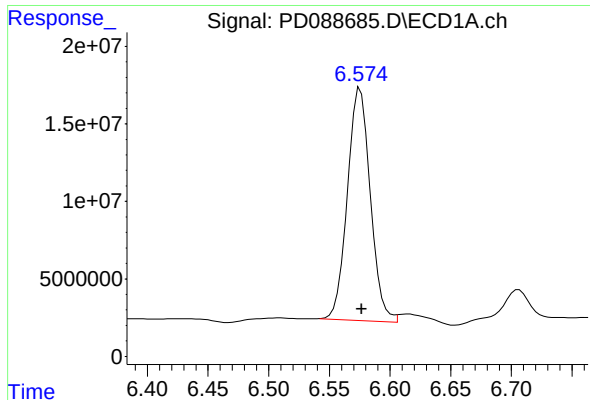
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 21412813
Conc: 11.88 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.001 min
Response: 119261486
Conc: 12.24 ng/ml



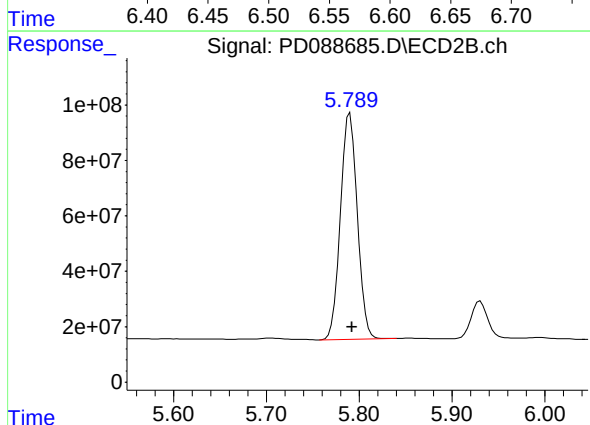
#14 Endrin

R.T.: 6.576 min
Delta R.T.: -0.001 min
Response: 197727653
Conc: 57.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

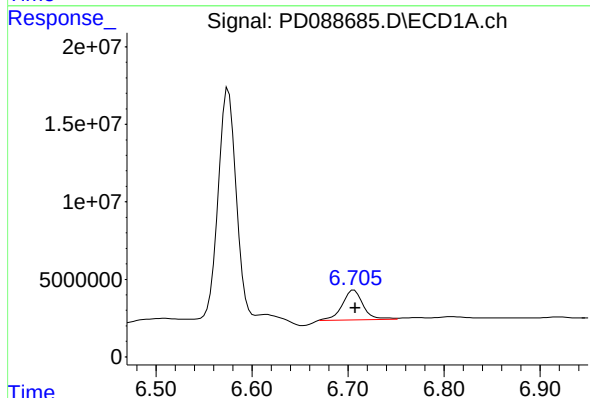
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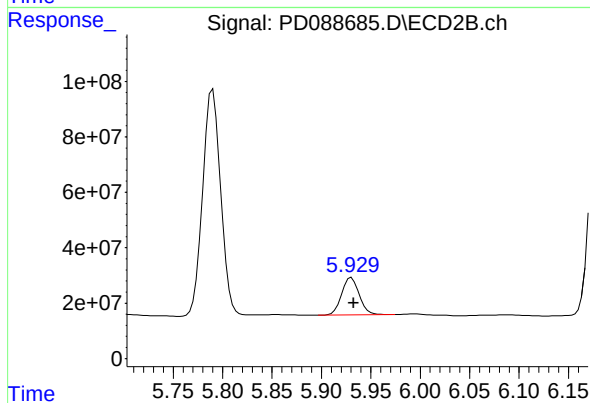
#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.002 min
Response: 1034454188
Conc: 53.64 ng/ml



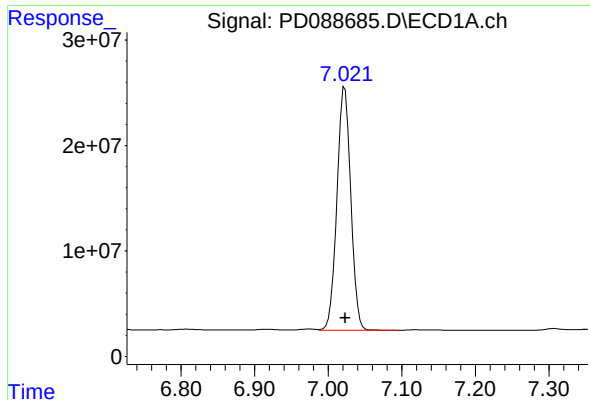
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.001 min
Response: 28995505
Conc: 10.41 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: -0.002 min
Response: 165883496
Conc: 9.54 ng/ml



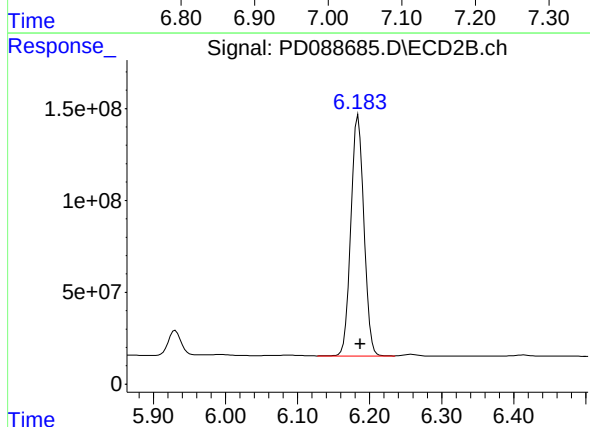
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 301857102
Conc: 96.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

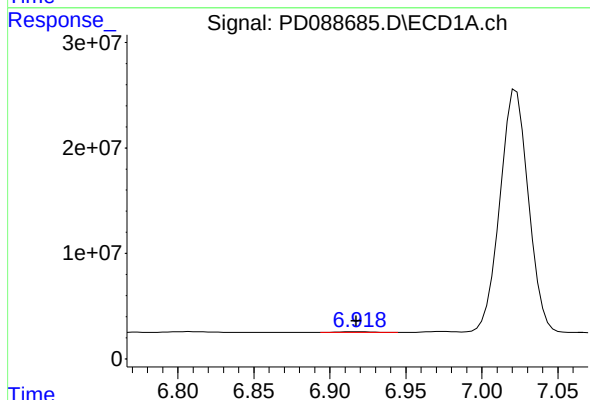
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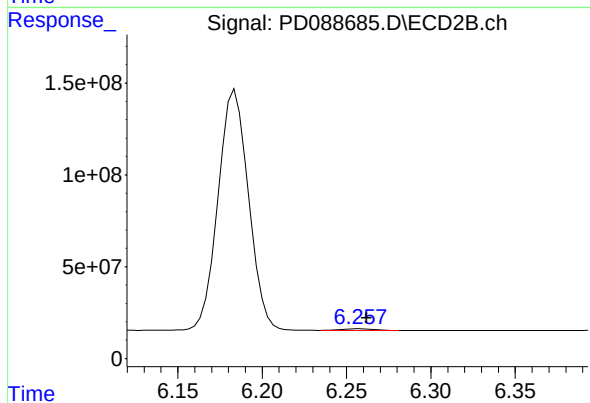
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.003 min
Response: 1649557526
Conc: 90.95 ng/ml



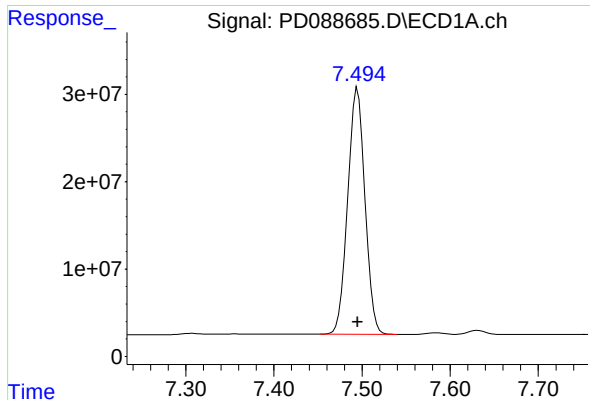
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.000 min
Response: 1000554
Conc: 0.39 ng/ml m



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.005 min
Response: 10962620
Conc: 0.79 ng/ml m



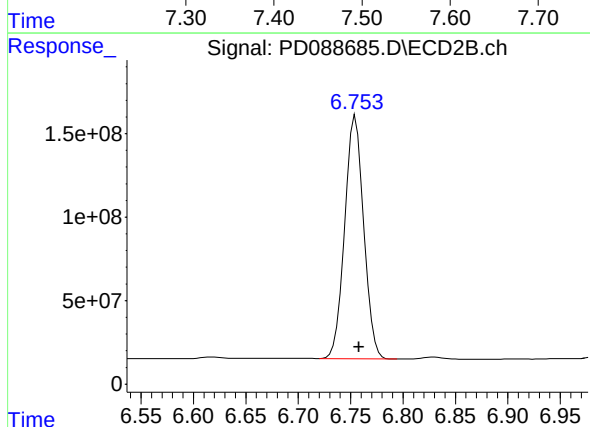
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 384095369
Conc: 229.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

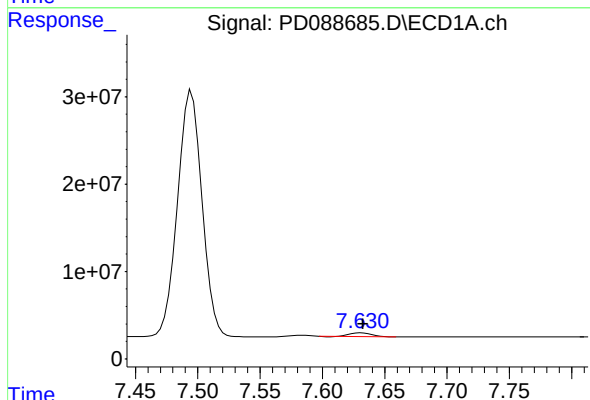
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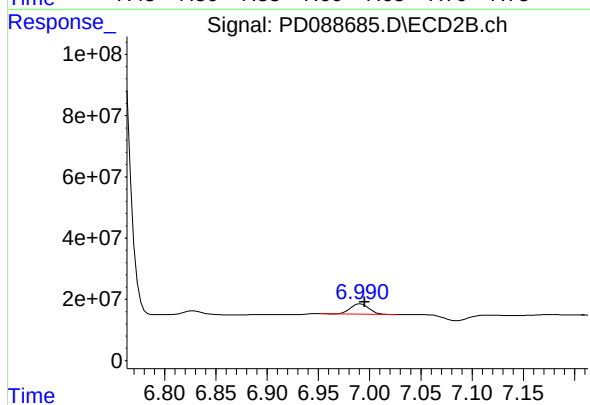
#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: -0.004 min
Response: 1844666358
Conc: 192.66 ng/ml



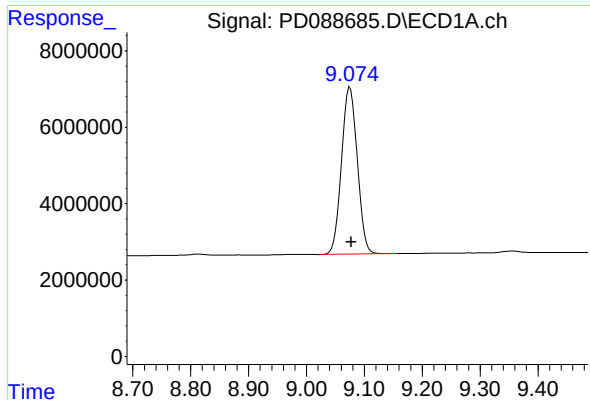
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 4983745
Conc: 1.46 ng/ml



#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 41770336
Conc: 2.16 ng/ml



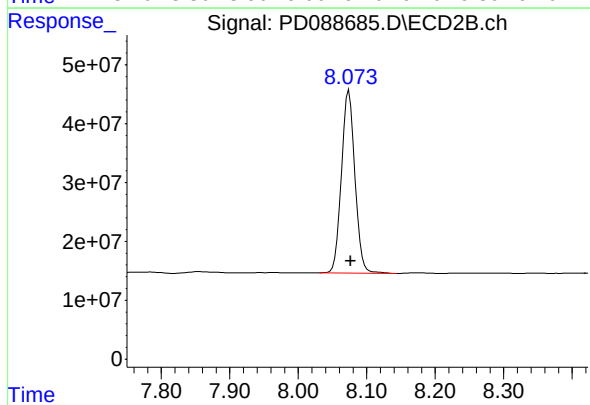
#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: -0.002 min
Response: 82564130
Conc: 24.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 423660722
Conc: 23.21 ng/ml