

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051225\
 Data File : PD088483.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 19:22
 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 01:29:25 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...	3.552	2.883	45238524	314.1E6	22.649	21.484
2)	SA Decachlor...	9.074	8.075	78375343	380.3E6	23.692	20.582
Target Compounds							
2)	A alpha-BHC	4.001	3.395	45153750	256.0E6	10.472	11.196
3)	MA gamma-BHC...	4.331	3.732	45496097	240.3E6	10.865	11.157
6)	B beta-BHC	4.516	4.027	19261406	107.5E6	11.865	11.619
12)	B 4,4'-DDE	6.199	5.380	434663	1588001	0.132m	0.081m#
14)	MA Endrin	6.576	5.792	173.4E6	911.8E6	58.135	50.091
16)	A 4,4'-DDD	6.706	5.932	3547006	19963972	1.410	1.218m
17)	MA 4,4'-DDT	7.022	6.186	328.3E6	1671.8E6	118.206	98.245
18)	B Endrin al...	6.917	6.259	915601	11388029	0.397m	0.856m#
20)	A Methoxychlor	7.494	6.757	400.6E6	1806.4E6	267.138	198.048 #
21)	B Endrin ke...	7.630	6.993	3119689	23263947	1.011m	1.244

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

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Acq On : 12 May 2025 19:22
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

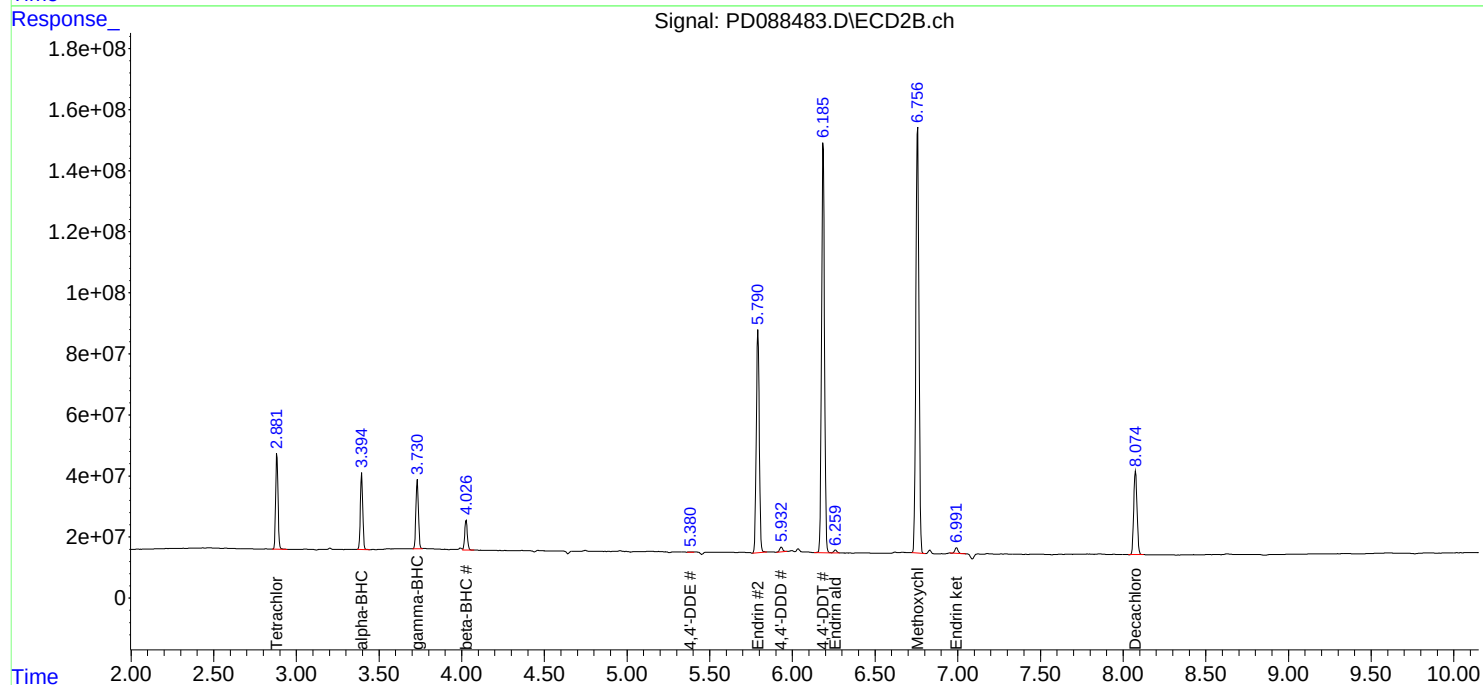
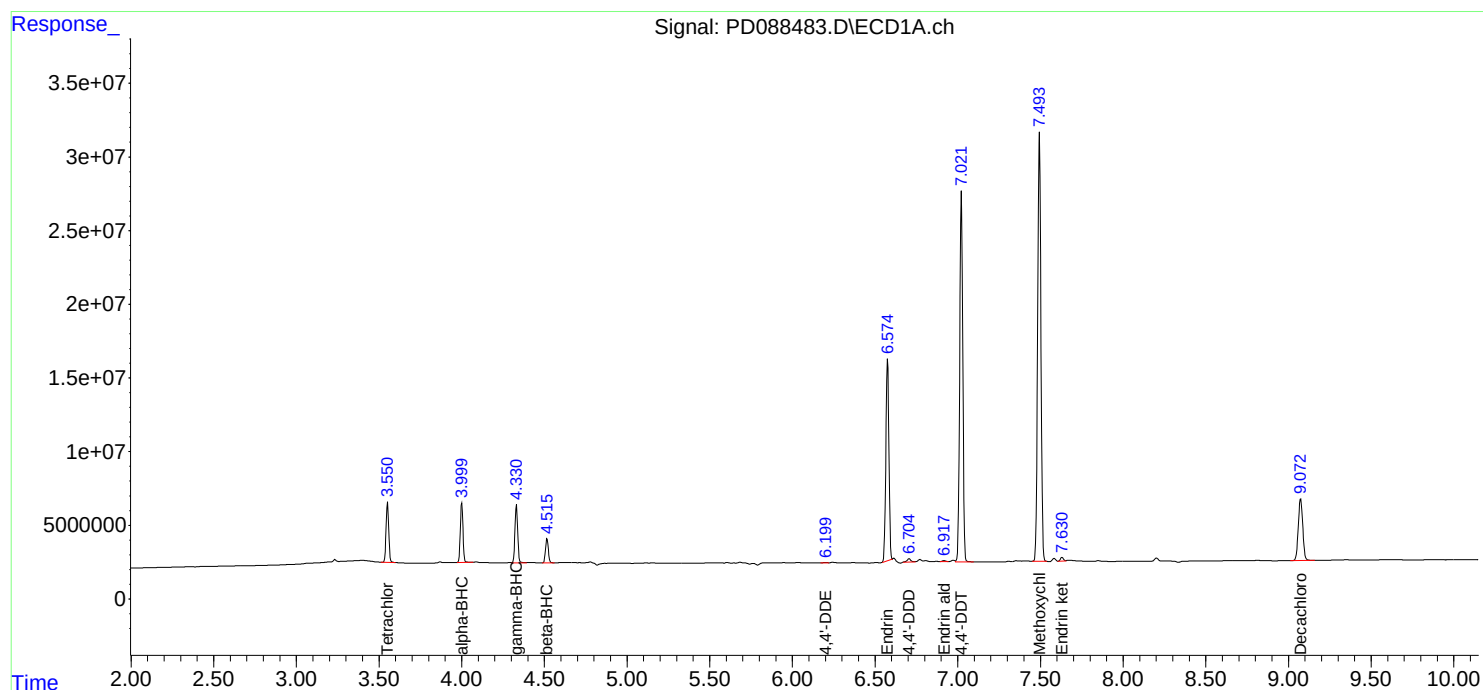
Instrument :
ECD_D
ClientSampleId :
PEM

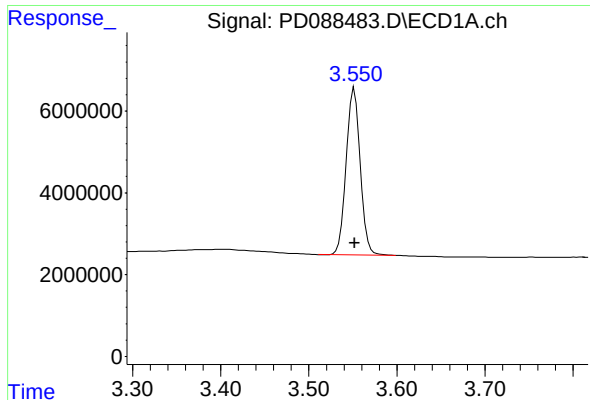
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Integration File signal 1: autoint1.e
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





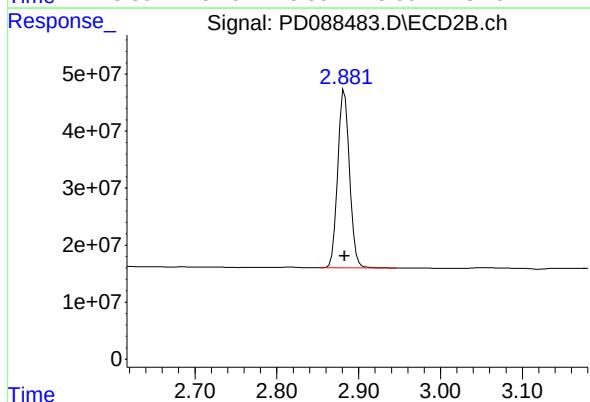
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 45238524
Conc: 22.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

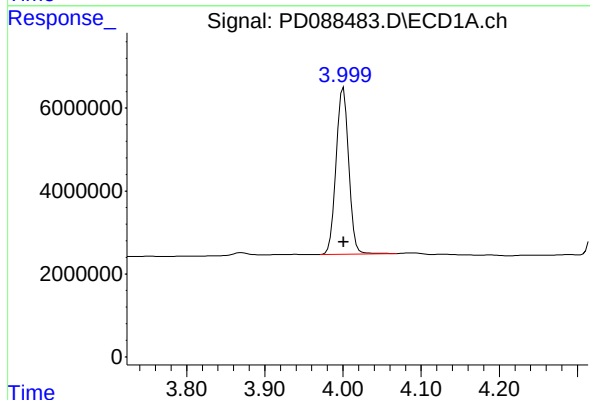
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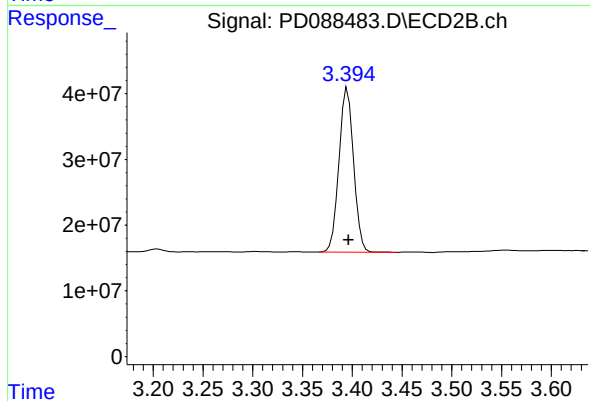
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 314132925
Conc: 21.48 ng/ml



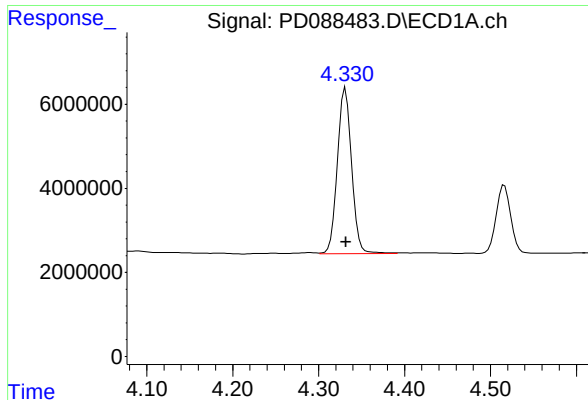
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 45153750
Conc: 10.47 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 255967514
Conc: 11.20 ng/ml



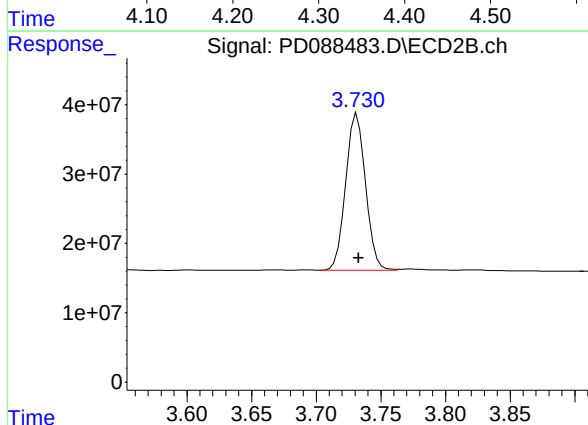
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 45496097
Conc: 10.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

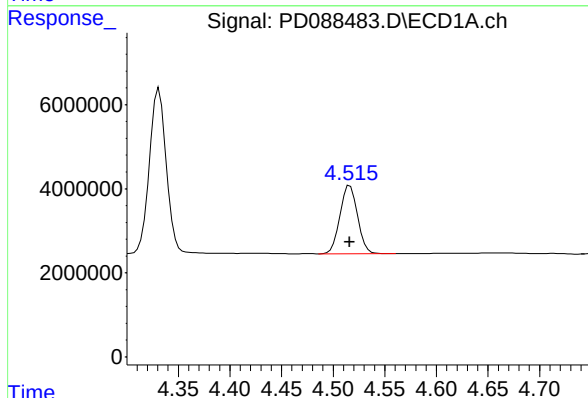
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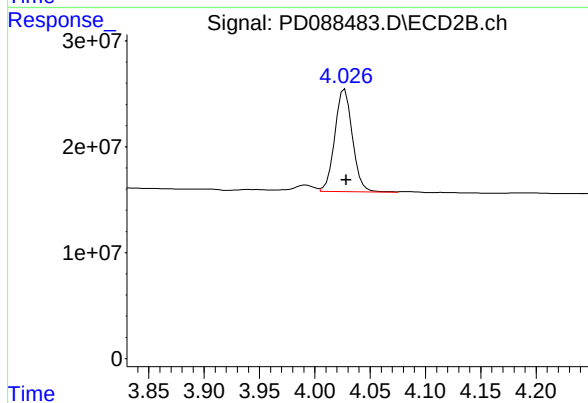
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: -0.001 min
Response: 240314904
Conc: 11.16 ng/ml



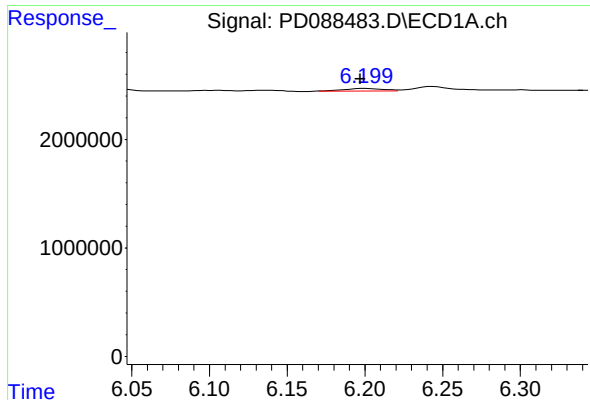
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 19261406
Conc: 11.86 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.001 min
Response: 107521356
Conc: 11.62 ng/ml



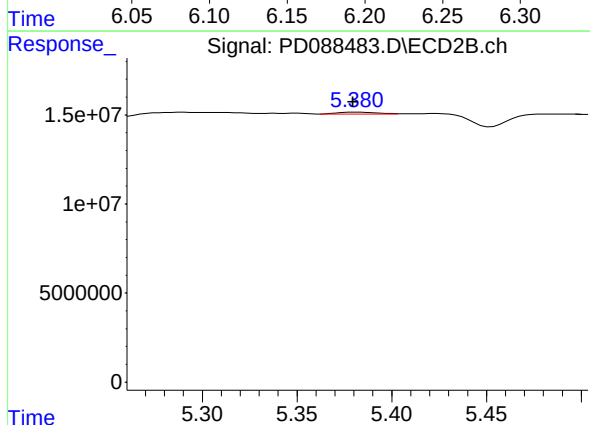
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.002 min
Response: 434663
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

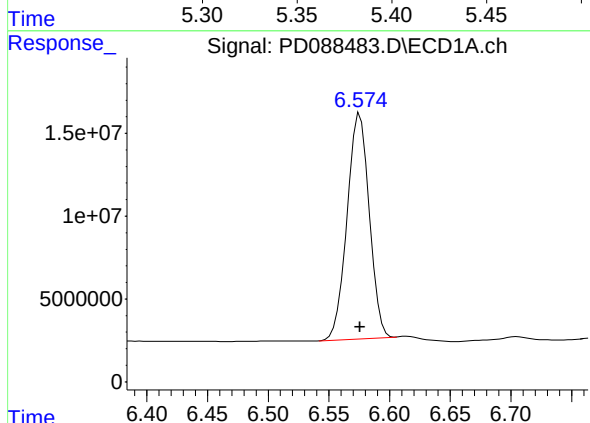
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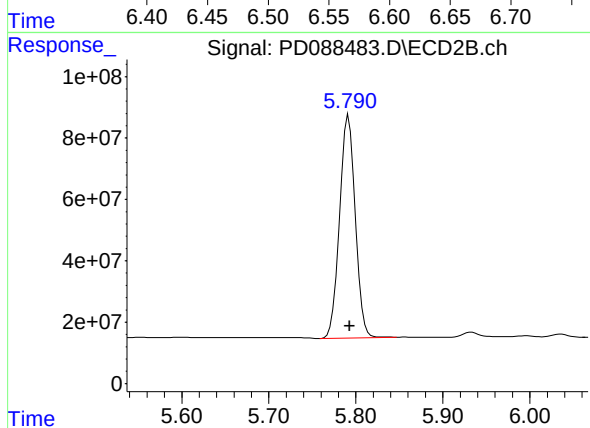
#12 4,4'-DDE

R.T.: 5.380 min
Delta R.T.: 0.000 min
Response: 1588001
Conc: 0.08 ng/ml



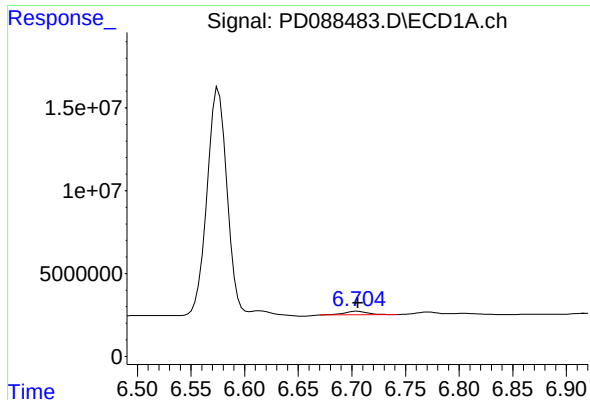
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 173390674
Conc: 58.13 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: -0.001 min
Response: 911767643
Conc: 50.09 ng/ml



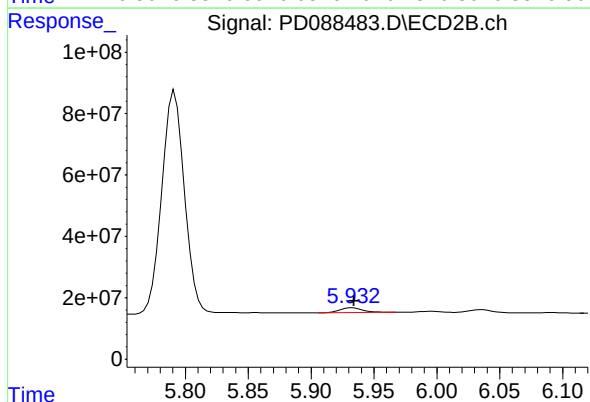
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 3547006
Conc: 1.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

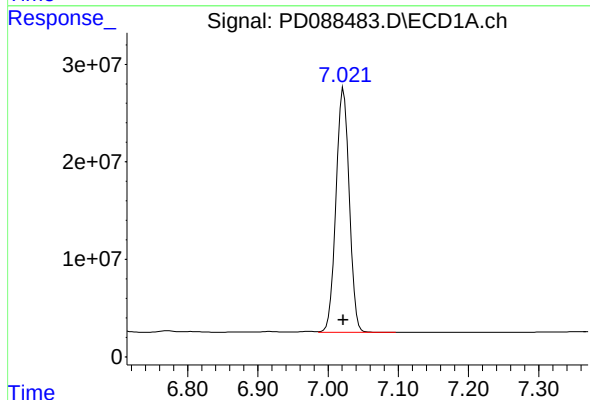
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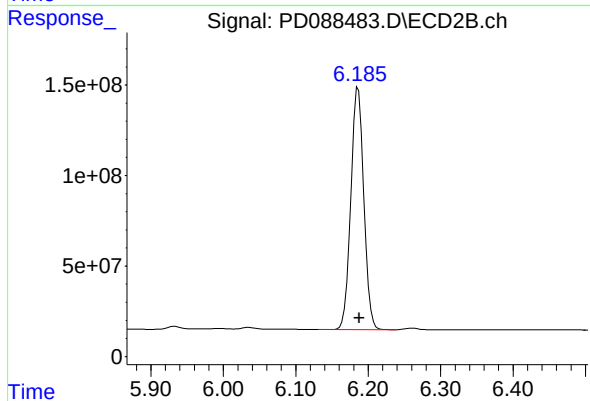
#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 19963972
Conc: 1.22 ng/ml



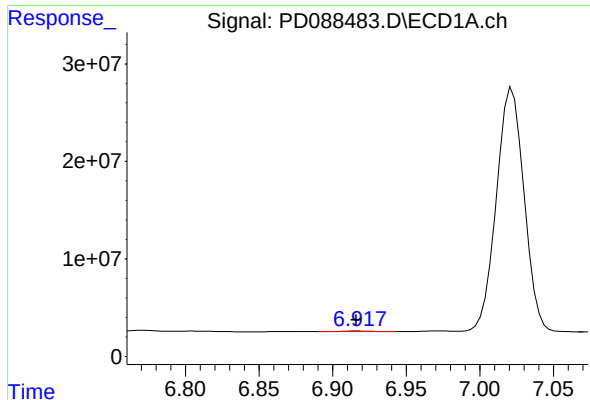
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 328322320
Conc: 118.21 ng/ml



#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 1671786481
Conc: 98.25 ng/ml



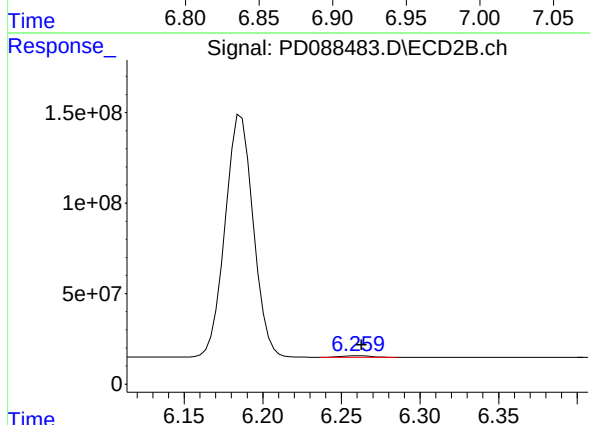
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 915601
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

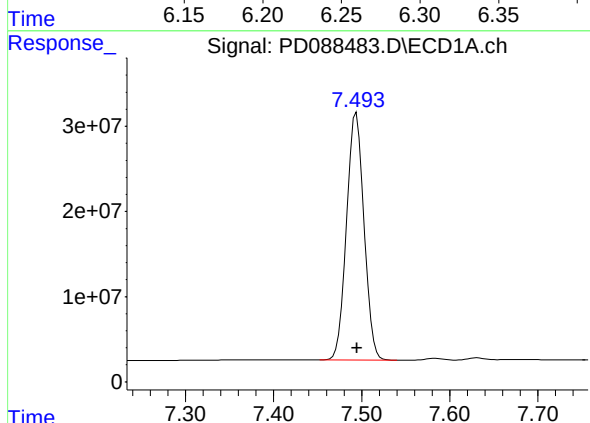
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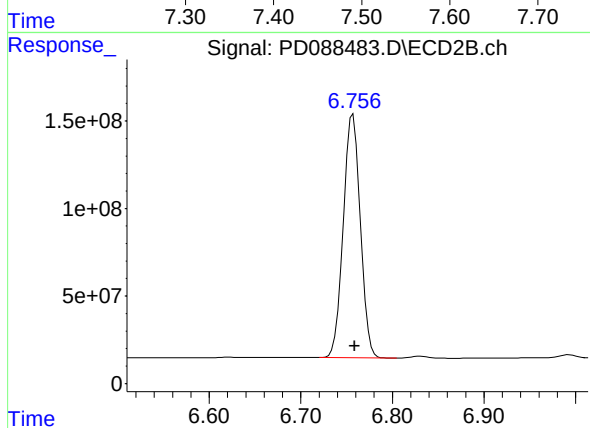
#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: -0.004 min
Response: 11388029
Conc: 0.86 ng/ml m



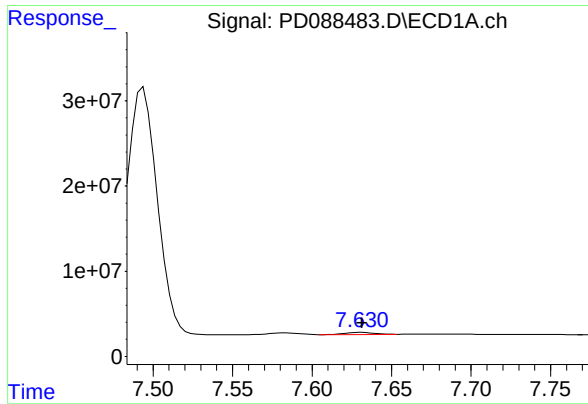
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 400585672
Conc: 267.14 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.002 min
Response: 1806404374
Conc: 198.05 ng/ml



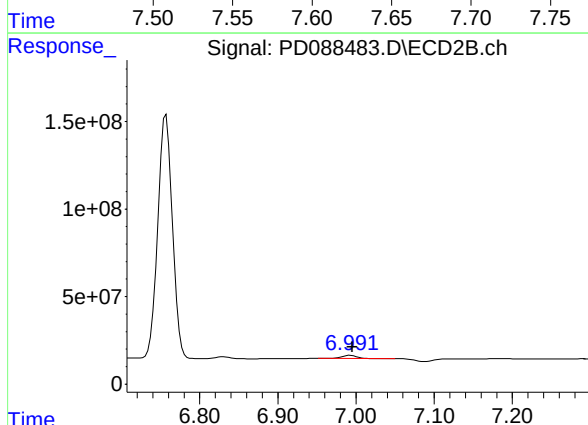
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 3119689
Conc: 1.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

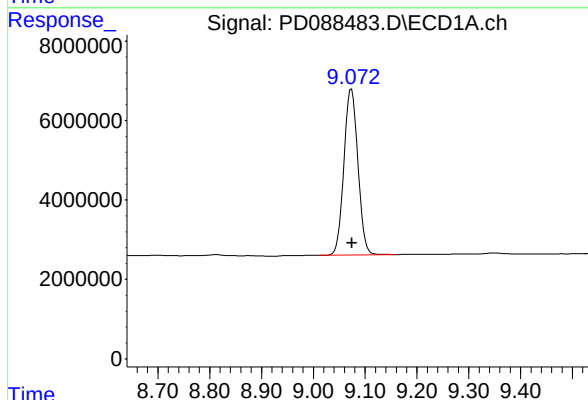
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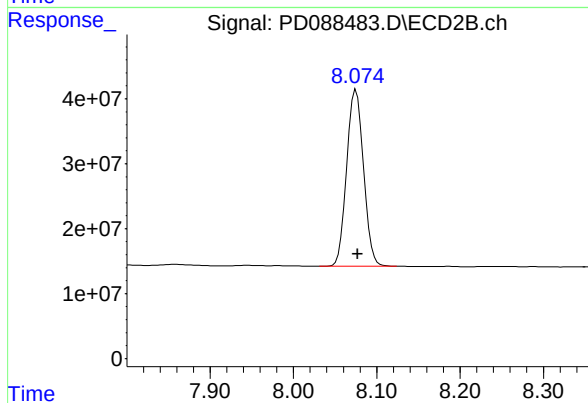
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 23263947
Conc: 1.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 78375343
Conc: 23.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 380339533
Conc: 20.58 ng/ml