

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061025\
 Data File : PD088879.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jun 2025 17:46
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/11/2025
 Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 11 07:42:08 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...	3.548	2.880	50914155	320.0E6	23.531	21.157
28) SA Decachlor...	9.073	8.073	69548566	314.5E6	20.322	17.228
Target Compounds						
2) A alpha-BHC	3.998	3.392	47468403	261.4E6	9.938	10.936
3) MA gamma-BHC...	4.329	3.729	47077650	242.9E6	10.228	10.956
6) B beta-BHC	4.514	4.025	20069670	107.7E6	11.130	11.052
14) MA Endrin	6.574	5.789	168.1E6	898.6E6	49.227	46.598
16) A 4,4'-DDD	6.704	5.930	5829649	40901420	2.093	2.352
17) MA 4,4'-DDT	7.020	6.184	280.1E6	1512.0E6	89.720	83.364
18) B Endrin al...	6.917	6.256	2452560	9271166	0.953m	0.666m#
20) A Methoxychlor	7.492	6.755	340.1E6	1635.6E6	203.570	170.824
21) B Endrin ke...	7.628	6.991	3762763	22145293	1.099m	1.145

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

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Acq On : 10 Jun 2025 17:46
Operator : AR\AJ
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ALS Vial : 3 Sample Multiplier: 1

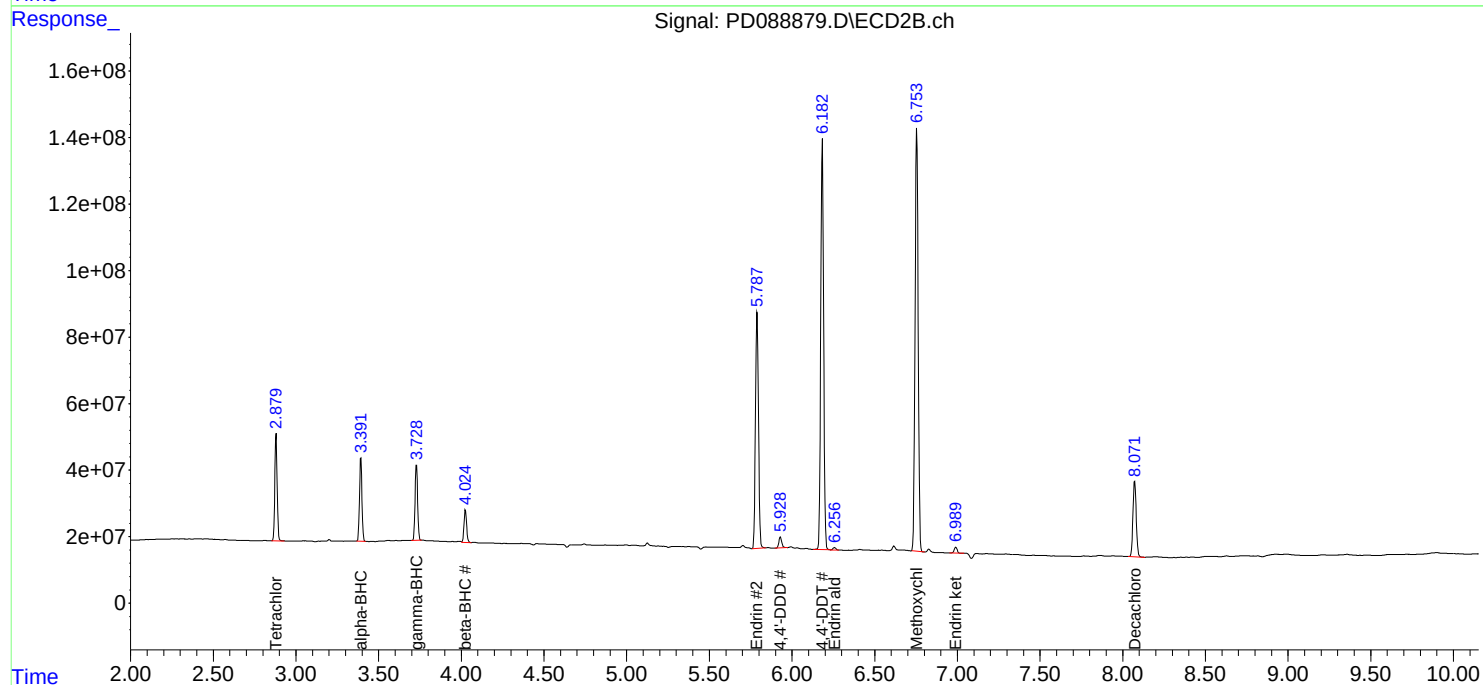
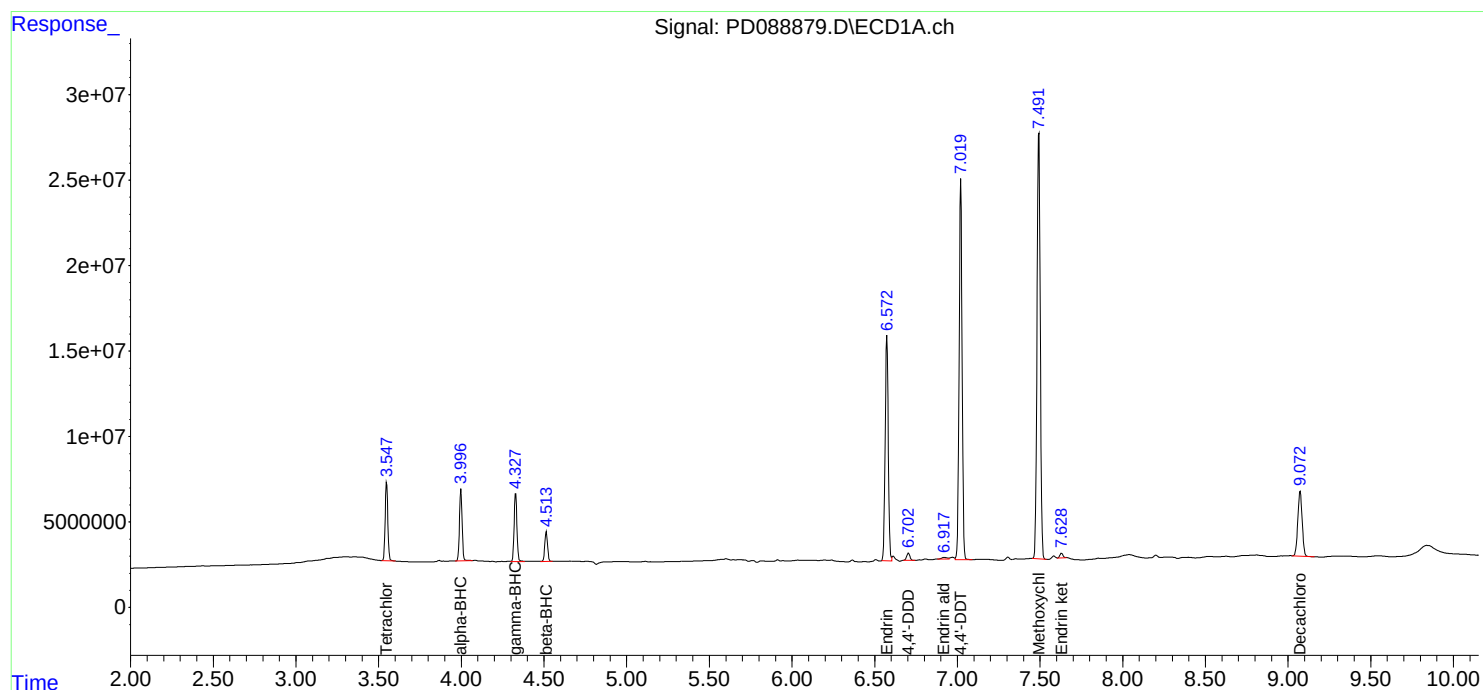
Instrument :
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ClientSampleId :
PEM

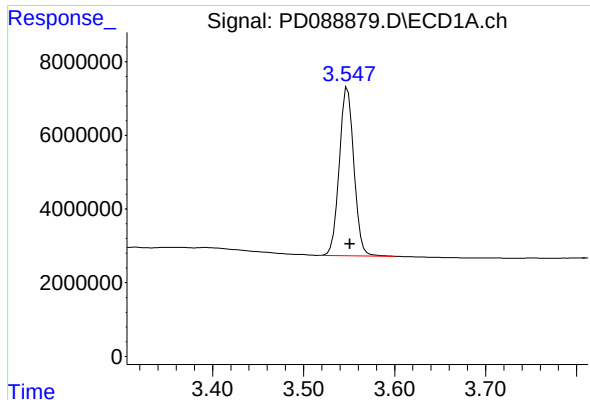
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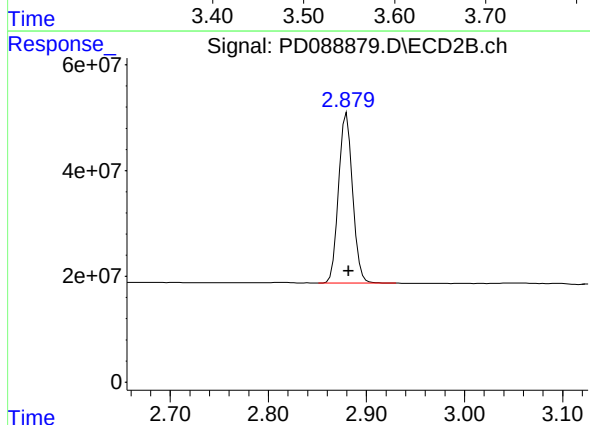
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 50914155
Conc: 23.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

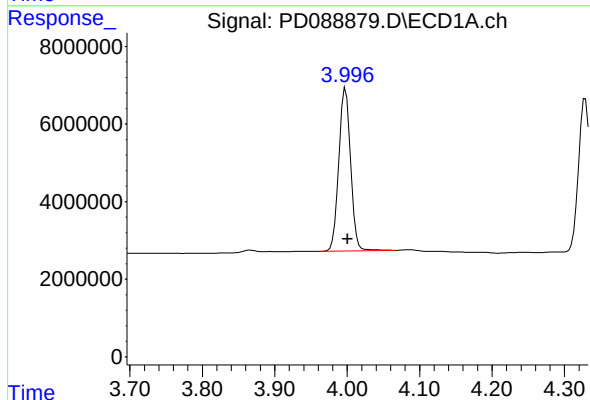
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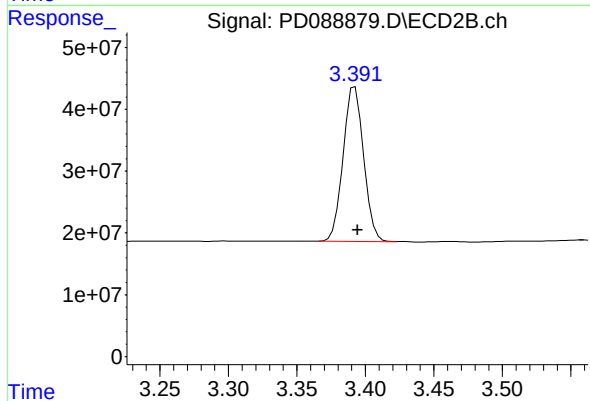
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 320036558
Conc: 21.16 ng/ml



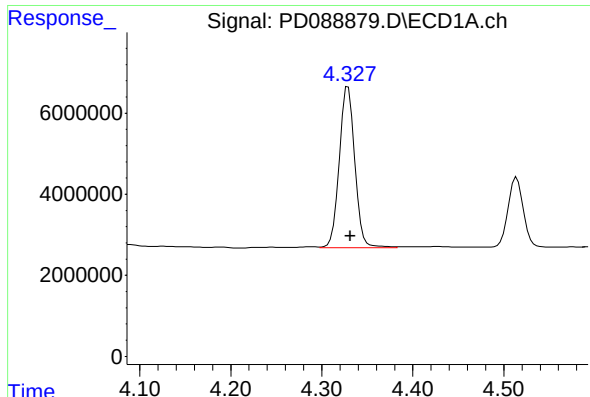
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.003 min
Response: 47468403
Conc: 9.94 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 261413427
Conc: 10.94 ng/ml



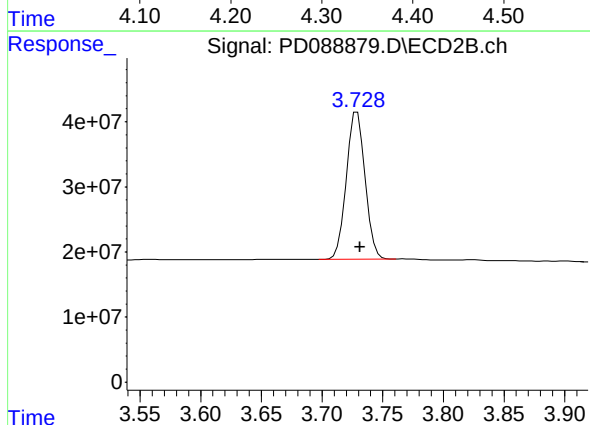
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 47077650
Conc: 10.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

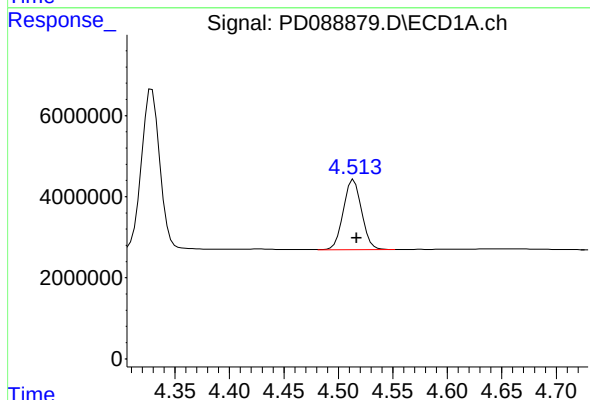
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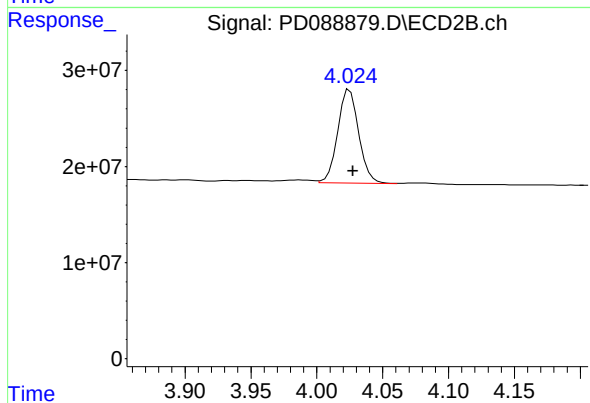
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.002 min
Response: 242856400
Conc: 10.96 ng/ml



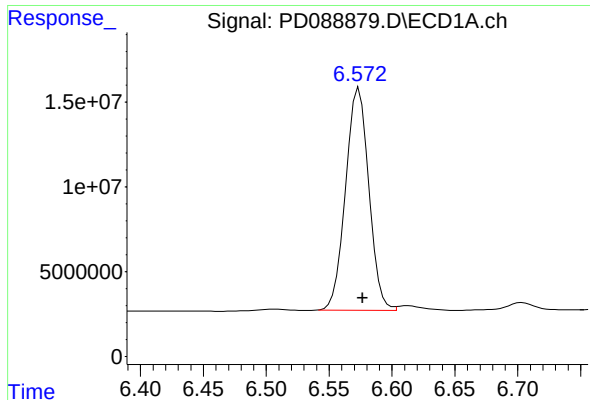
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20069670
Conc: 11.13 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.002 min
Response: 107667916
Conc: 11.05 ng/ml



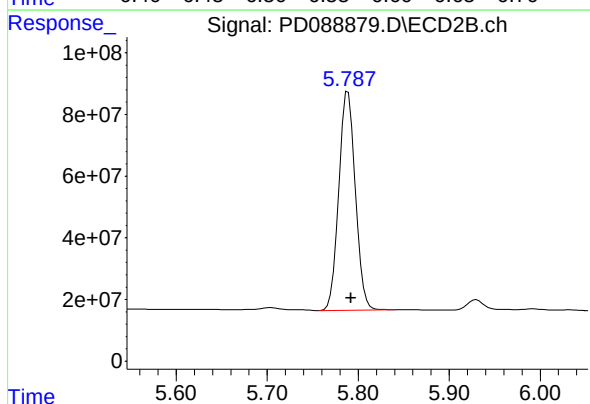
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 168118269
Conc: 49.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

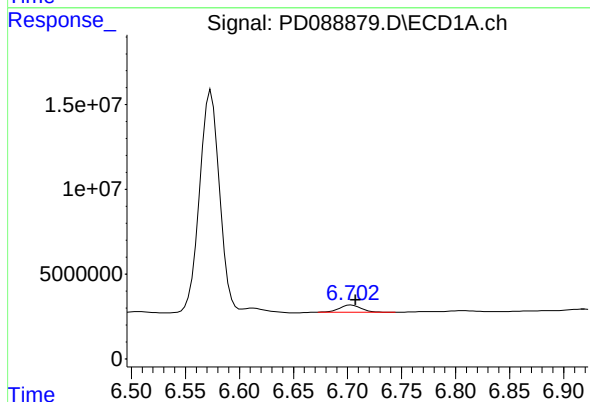
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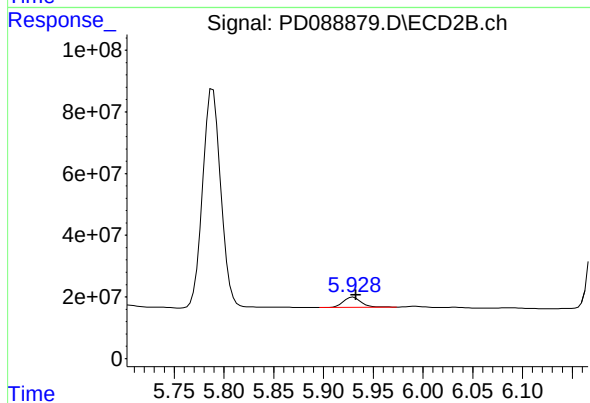
#14 Endrin

R.T.: 5.789 min
Delta R.T.: -0.003 min
Response: 898599962
Conc: 46.60 ng/ml



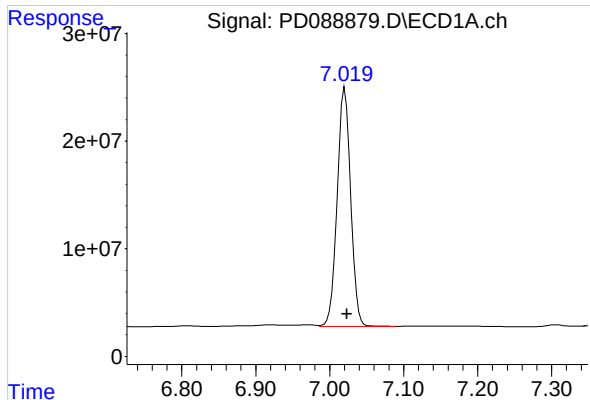
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.004 min
Response: 5829649
Conc: 2.09 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: -0.003 min
Response: 40901420
Conc: 2.35 ng/ml



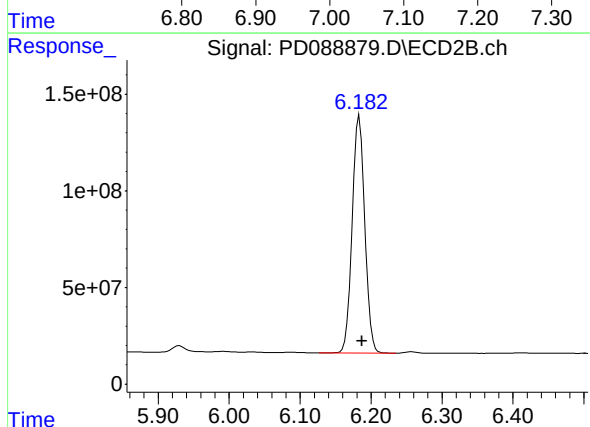
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 280109482
Conc: 89.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

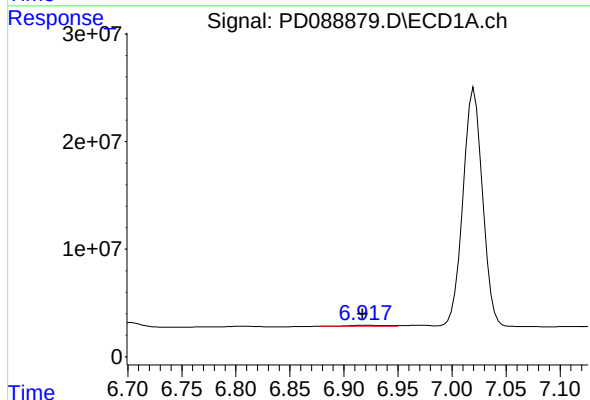
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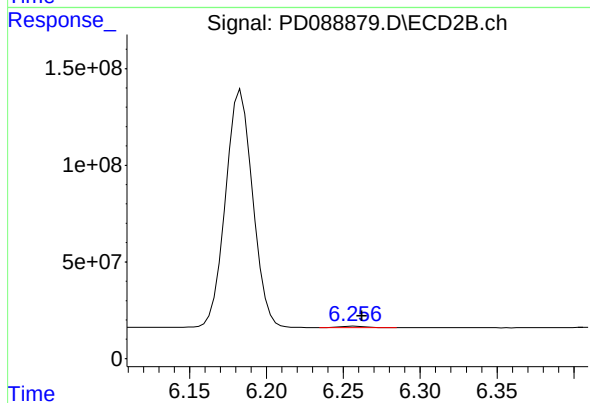
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.004 min
Response: 1511993197
Conc: 83.36 ng/ml



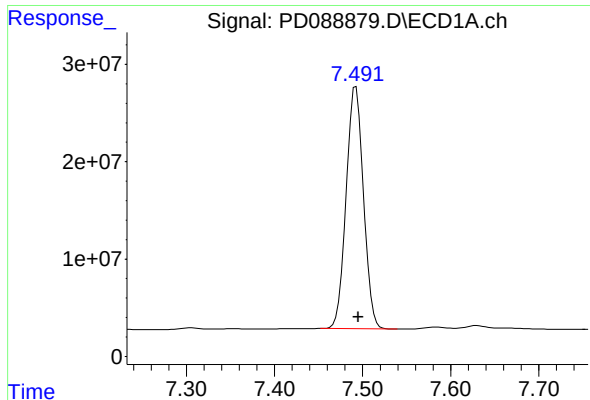
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 2452560
Conc: 0.95 ng/ml m



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.006 min
Response: 9271166
Conc: 0.67 ng/ml m



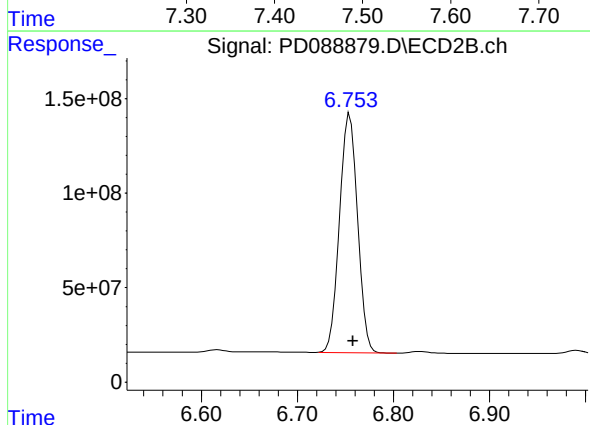
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 340075321
Conc: 203.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

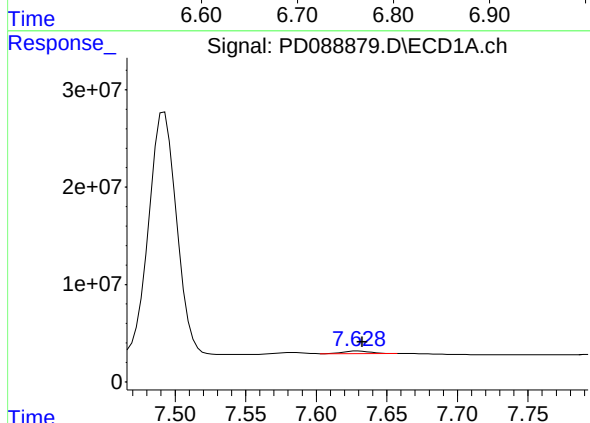
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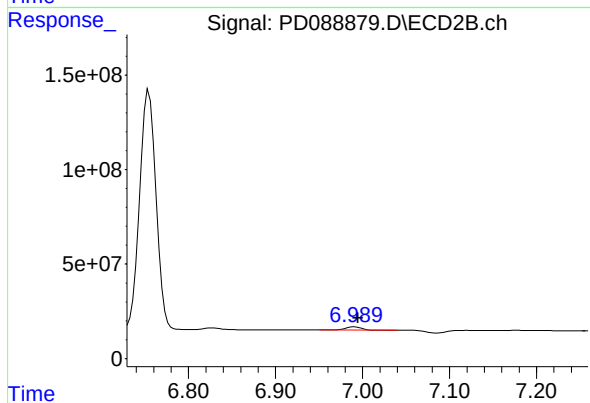
#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 1635604122
Conc: 170.82 ng/ml



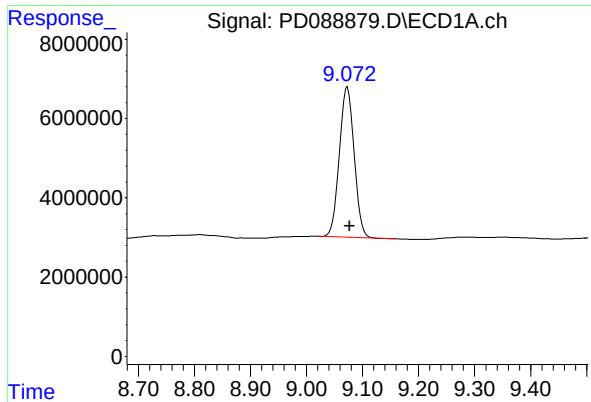
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.004 min
Response: 3762763
Conc: 1.10 ng/ml m



#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 22145293
Conc: 1.14 ng/ml



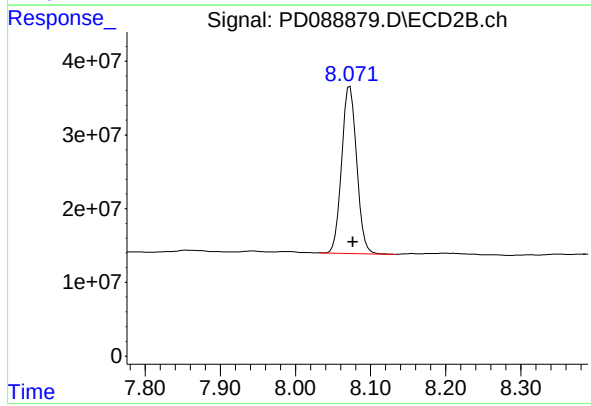
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.004 min
Response: 69548566
Conc: 20.32 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: 314526020
Conc: 17.23 ng/ml