

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061625\
 Data File : PD088961.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Jun 2025 10:12
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/17/2025
 Supervised By : mohammad ahmed 06/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 16 11:48:10 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 x 0.5 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	2.879	51446473	315.1E6	23.777	20.831
28) SA Decachlor...	9.071	8.071	73884508	389.4E6	21.589	21.331
Target Compounds						
2) A alpha-BHC	3.997	3.391	48722352	260.1E6	10.200	10.883
3) MA gamma-BHC...	4.328	3.728	49100990	242.4E6	10.668	10.937
6) B beta-BHC	4.514	4.024	20855879	108.7E6	11.566	11.157
12) B 4,4'-DDE	6.193	5.373	714618	3524329	0.199m	0.169m
14) MA Endrin	6.573	5.787	180.5E6	903.6E6	52.854	46.857
16) A 4,4'-DDD	6.703	5.928	7263369	45855383	2.608	2.637
17) MA 4,4'-DDT	7.019	6.182	326.8E6	1678.5E6	104.671	92.546
18) B Endrin al...	6.914	6.256	2014271	15419196	0.782	1.107 #
20) A Methoxychlor	7.491	6.752	394.6E6	1718.3E6	236.211	179.458
21) B Endrin ke...	7.627	6.989	5353111	42295464	1.564m	2.186 #

(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

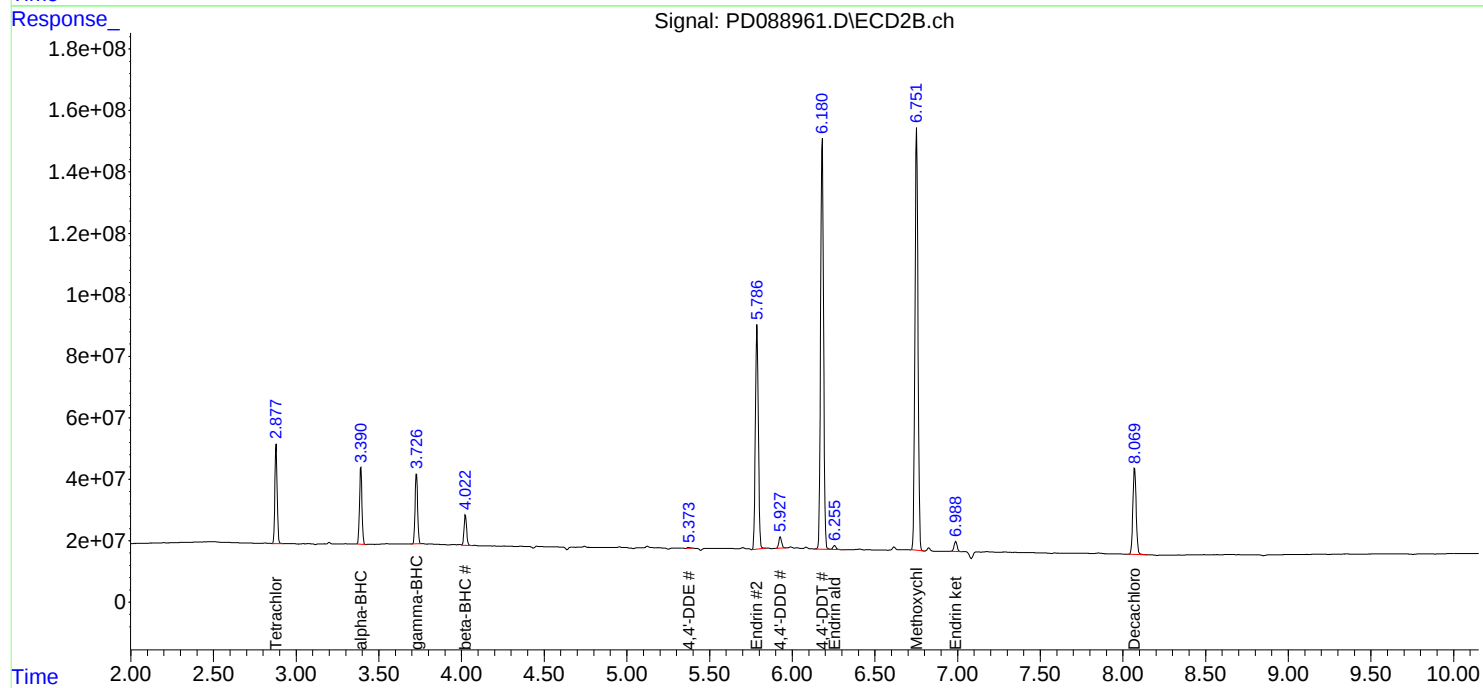
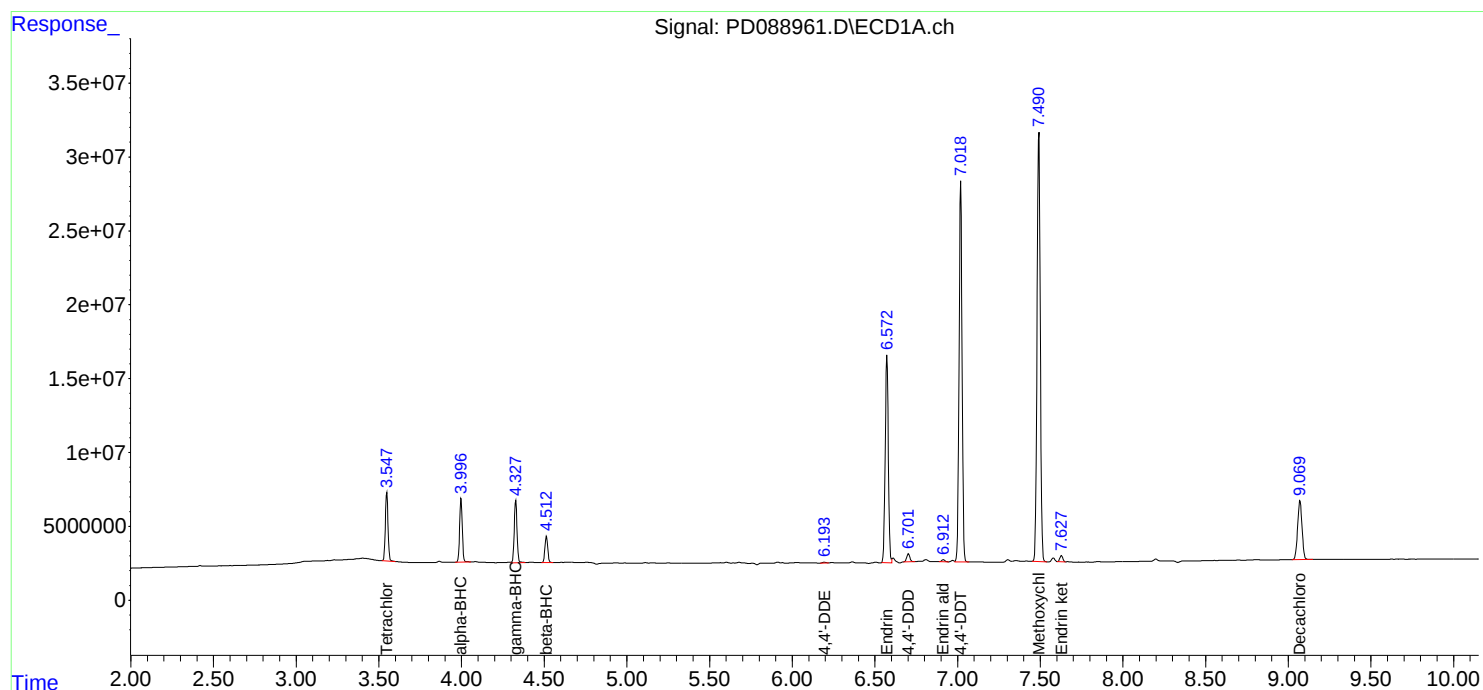
Instrument :
ECD_D
ClientSampleId :
PEM

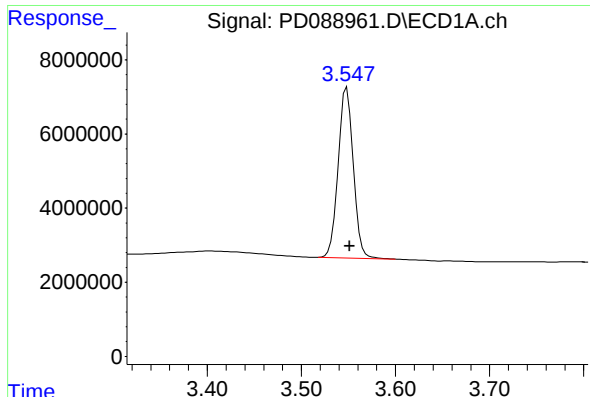
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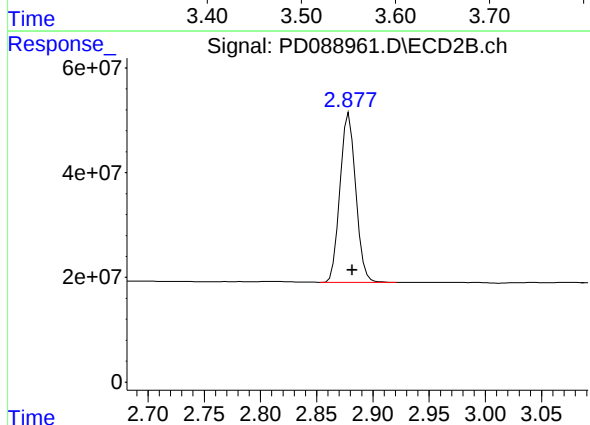
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 51446473
Conc: 23.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

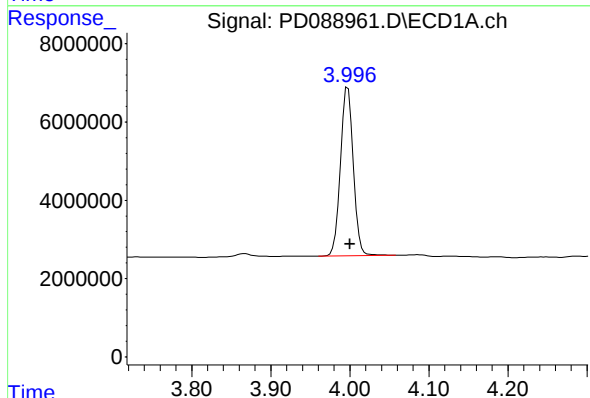
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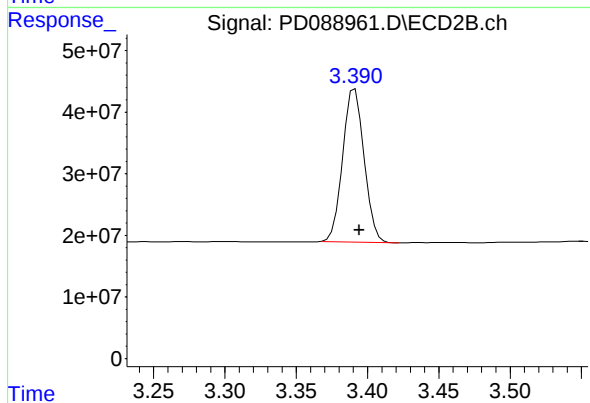
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 315106146
Conc: 20.83 ng/ml



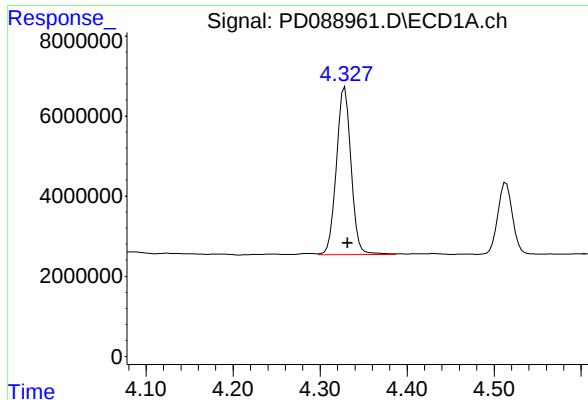
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: -0.003 min
Response: 48722352
Conc: 10.20 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 260149947
Conc: 10.88 ng/ml



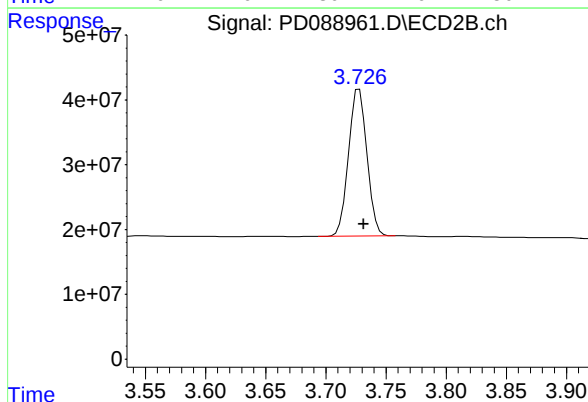
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.003 min
Response: 49100990
Conc: 10.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

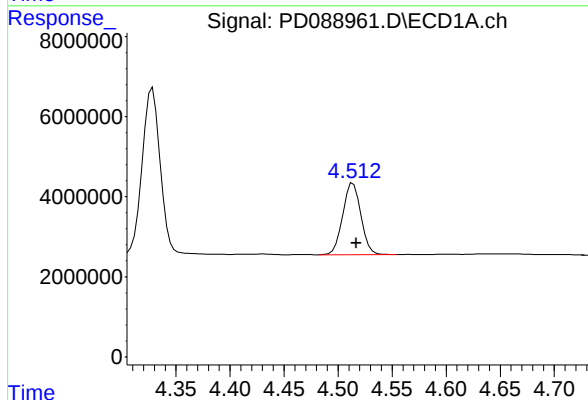
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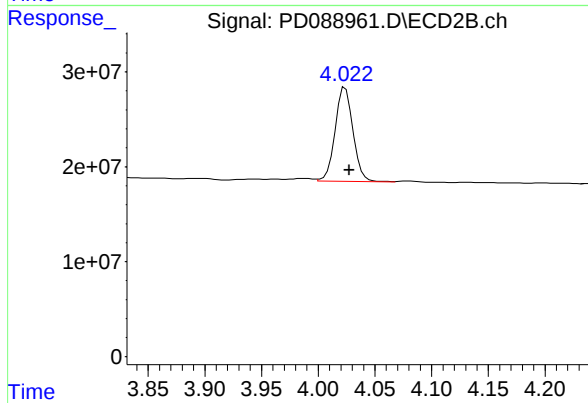
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.004 min
Response: 242433857
Conc: 10.94 ng/ml



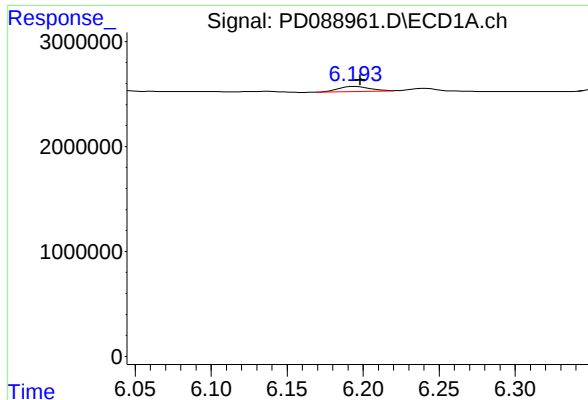
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 20855879
Conc: 11.57 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.004 min
Response: 108690160
Conc: 11.16 ng/ml



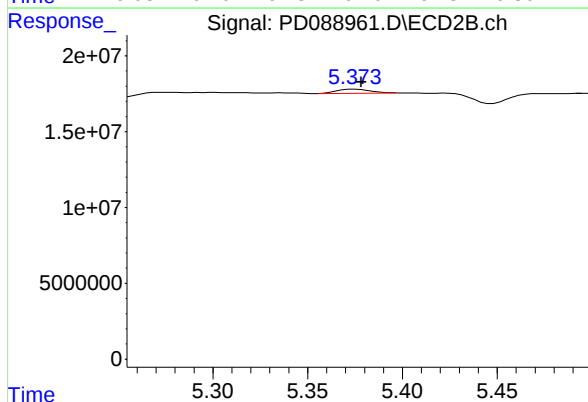
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: -0.005 min
Response: 714618
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

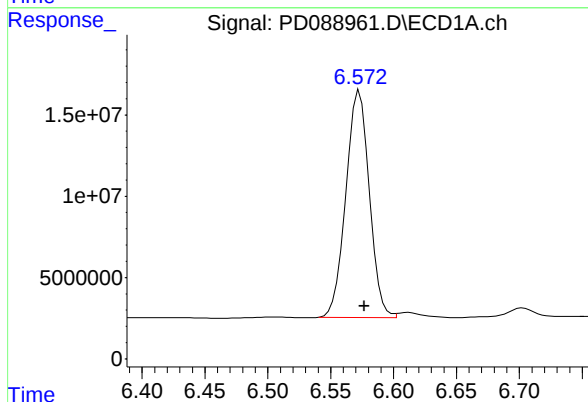
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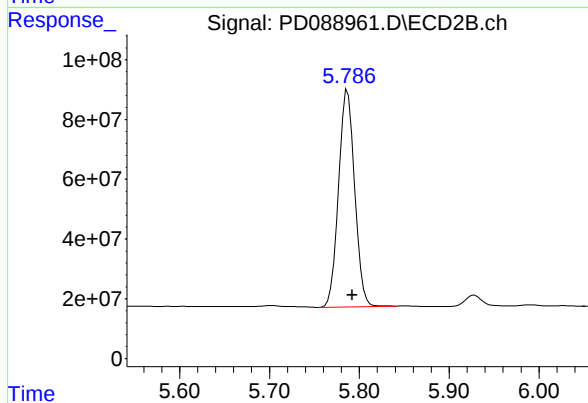
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.005 min
Response: 3524329
Conc: 0.17 ng/ml



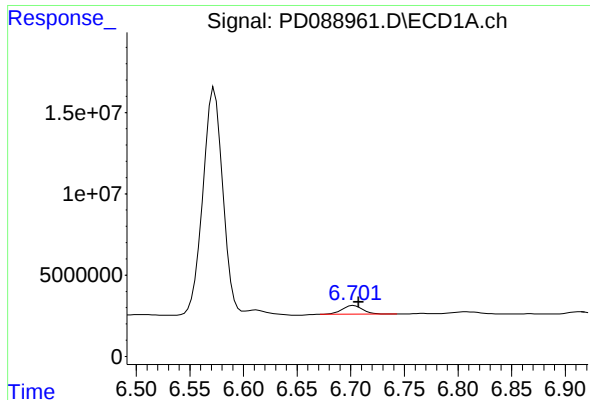
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.004 min
Response: 180504226
Conc: 52.85 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.005 min
Response: 903582968
Conc: 46.86 ng/ml



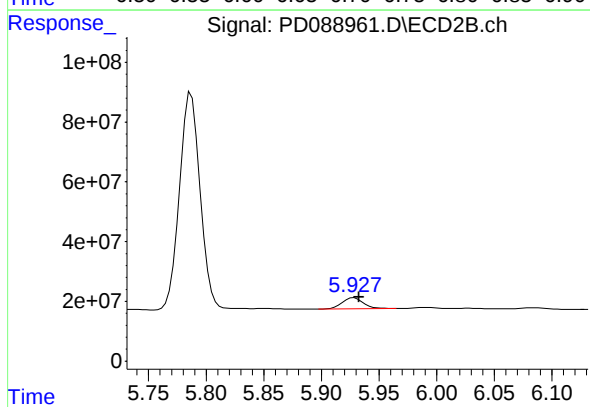
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.005 min
Response: 7263369
Conc: 2.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

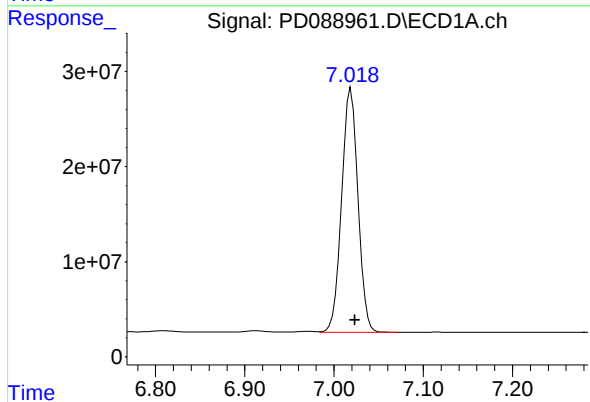
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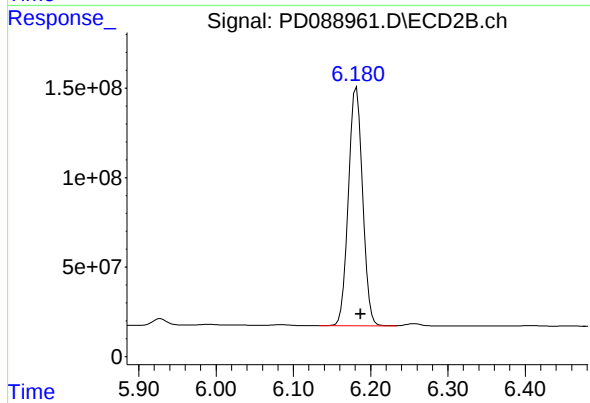
#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.005 min
Response: 45855383
Conc: 2.64 ng/ml



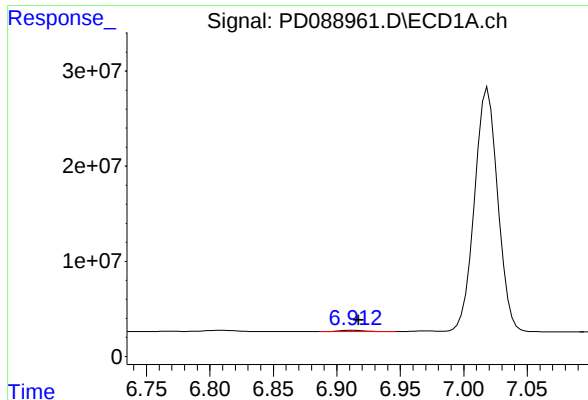
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.004 min
Response: 326786222
Conc: 104.67 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.005 min
Response: 1678543418
Conc: 92.55 ng/ml



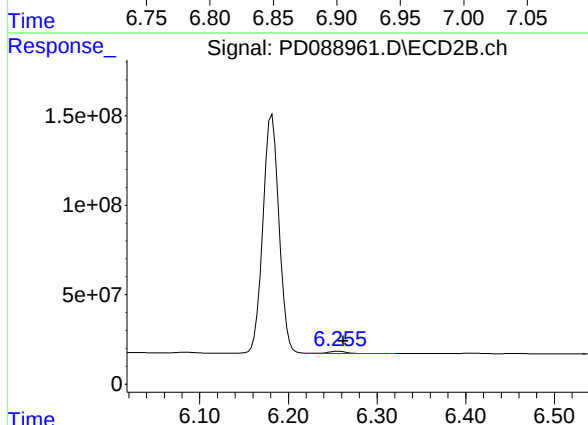
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.004 min
Response: 2014271
Conc: 0.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

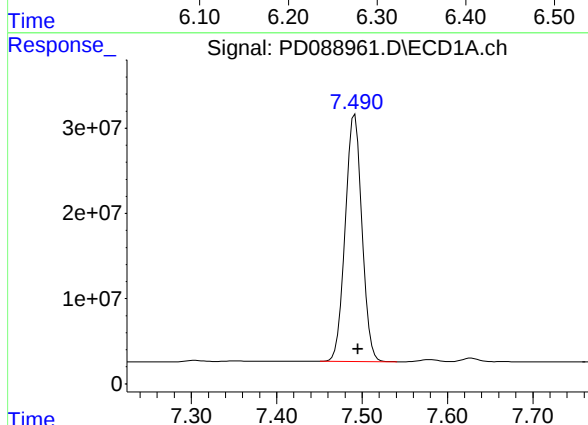
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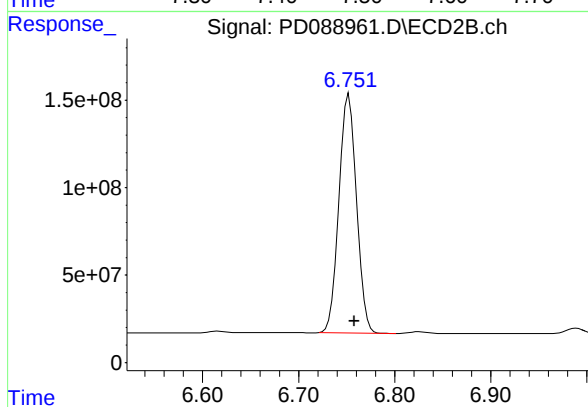
#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.006 min
Response: 15419196
Conc: 1.11 ng/ml



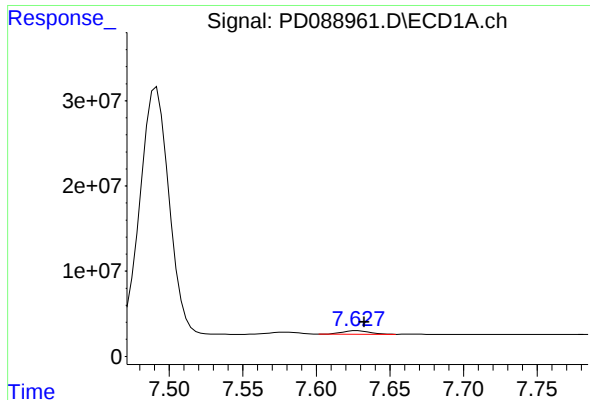
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.004 min
Response: 394603287
Conc: 236.21 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.006 min
Response: 1718270526
Conc: 179.46 ng/ml



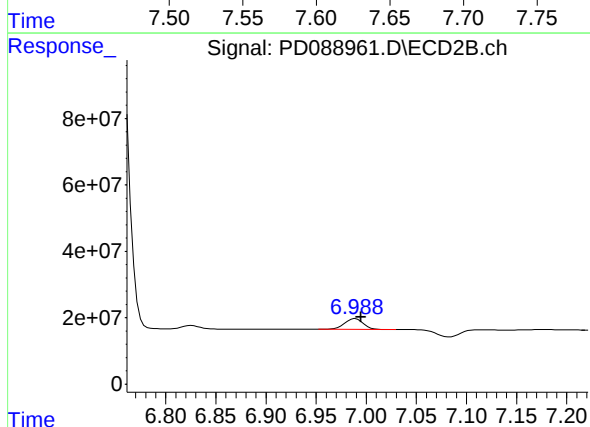
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.006 min
Response: 5353111
Conc: 1.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

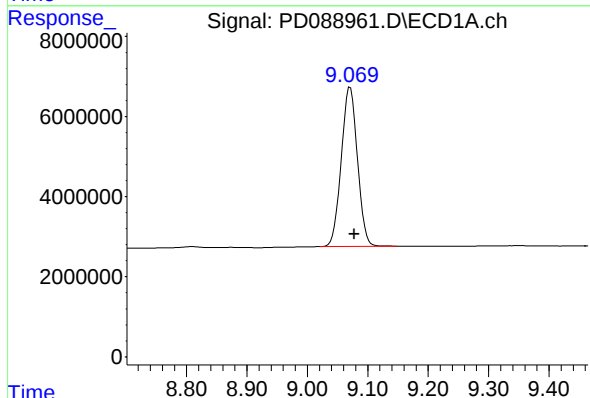
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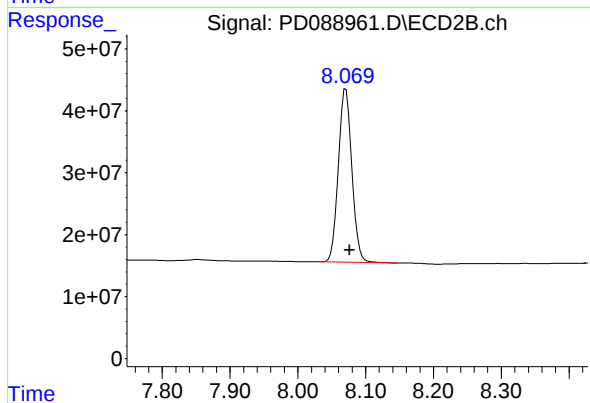
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.006 min
Response: 42295464
Conc: 2.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.007 min
Response: 73884508
Conc: 21.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.006 min
Response: 389417696
Conc: 21.33 ng/ml