

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052825\
 Data File : PD088752.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 May 2025 09:40
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/29/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 28 15:09:00 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...	3.549	2.880	47448276	331.4E6	21.929	21.908
2)	SA Decachlor...	9.071	8.072	71538203	372.0E6	20.903	20.378
Target Compounds							
2)	A alpha-BHC	3.998	3.392	46772658	267.9E6	9.792	11.209
3)	MA gamma-BHC...	4.329	3.729	46966211	250.4E6	10.204	11.298
6)	B beta-BHC	4.514	4.024	19775093	110.3E6	10.967	11.324
14)	MA Endrin	6.574	5.788	182.5E6	957.5E6	53.435	49.654
16)	A 4,4'-DDD	6.704	5.931	513150	3141753	0.184m	0.181m
17)	MA 4,4'-DDT	7.020	6.183	330.5E6	1770.5E6	105.845	97.619
18)	B Endrin al...	6.918	6.256	310974	8758153	0.121m	0.629 #
20)	A Methoxychlor	7.492	6.753	407.9E6	1857.8E6	244.194	194.028
21)	B Endrin ke...	7.628	6.988	1284138	9845114	0.375m	0.509m#

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

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Sample : PEM
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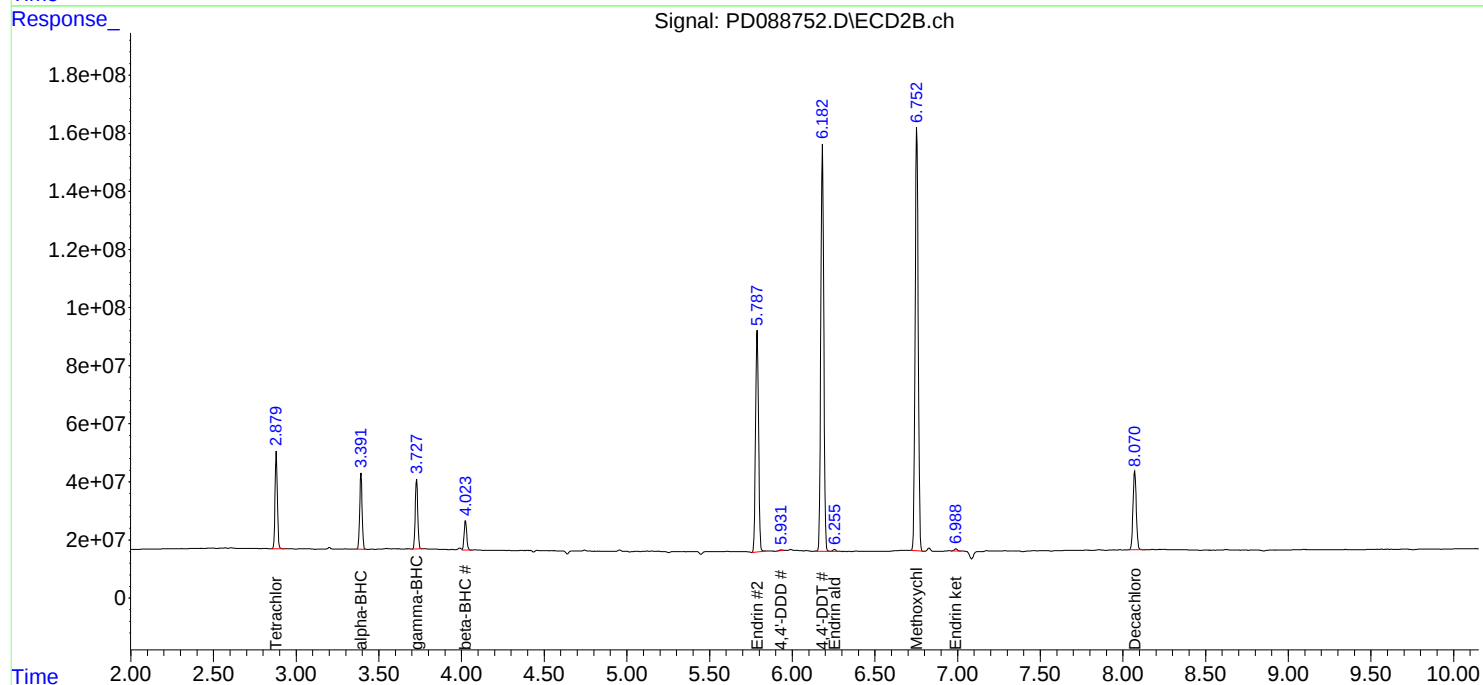
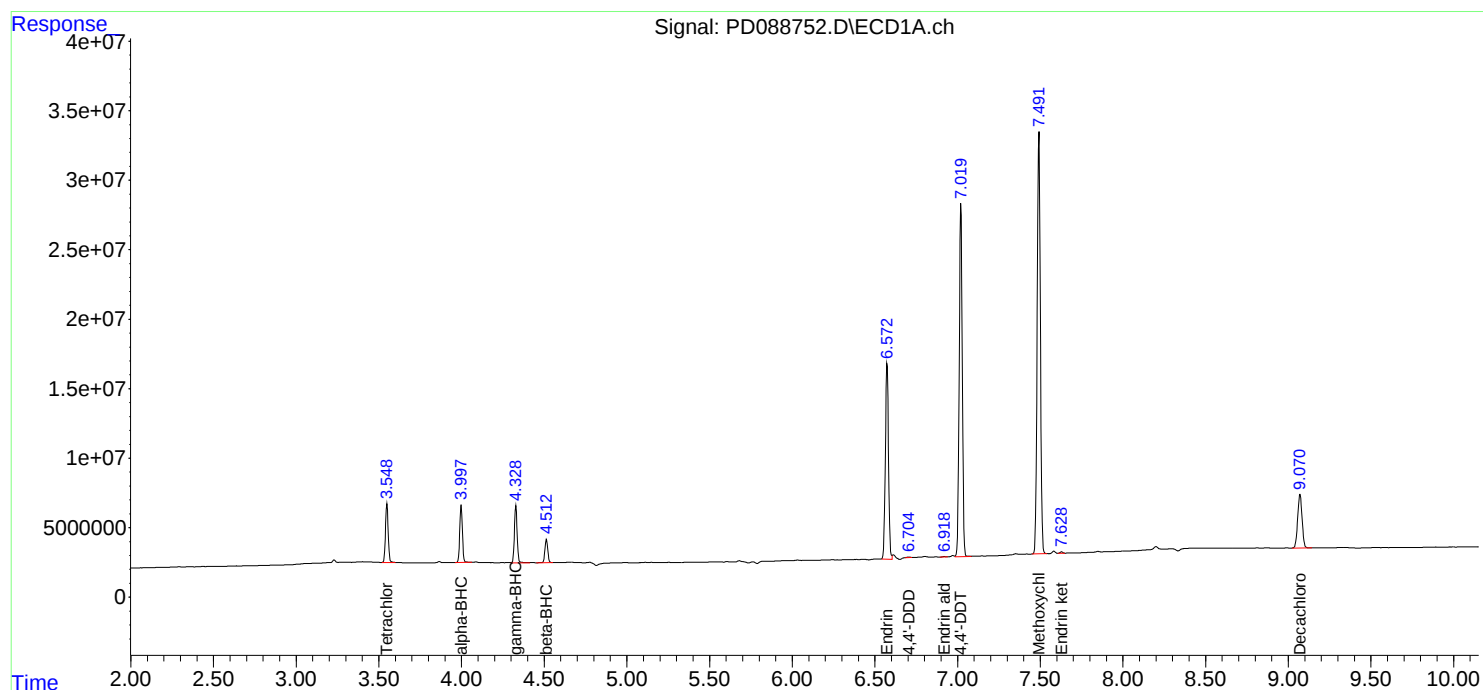
Instrument :
ECD_D
ClientSampleId :
PEM

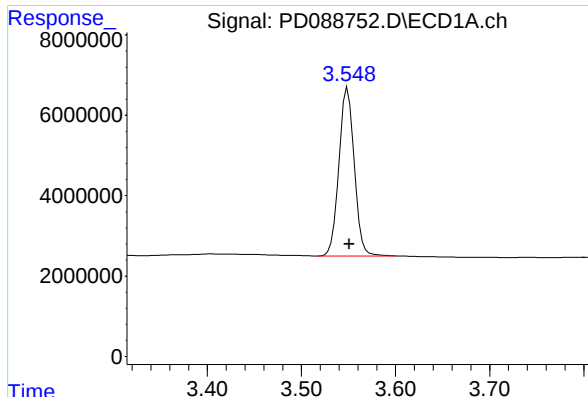
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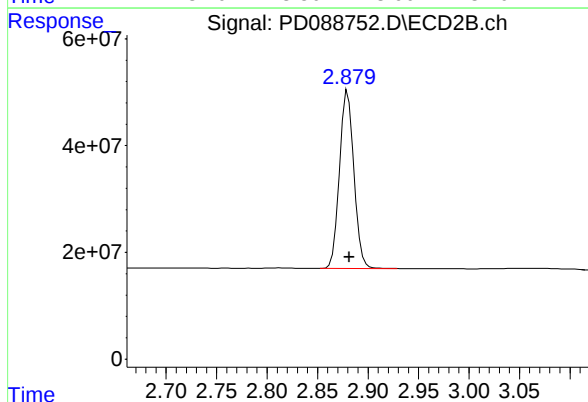
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: -0.002 min
Response: 47448276
Conc: 21.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

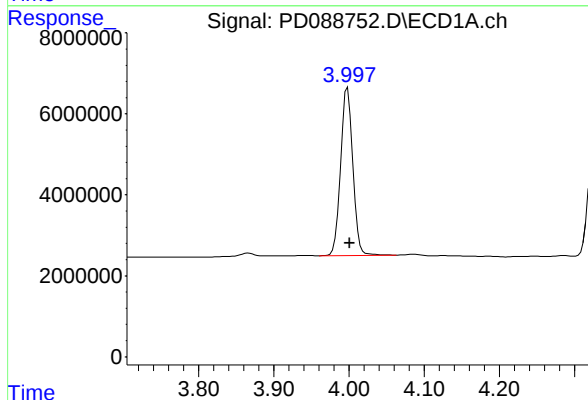
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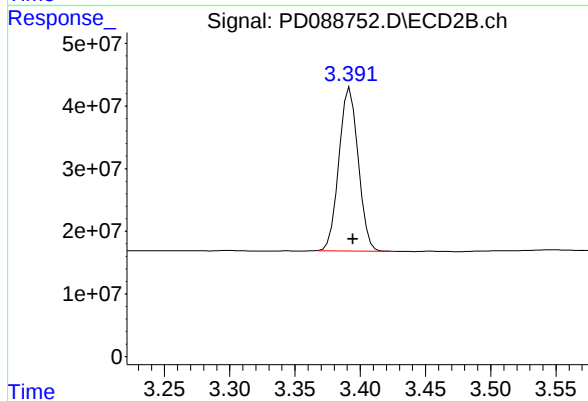
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.002 min
Response: 331392290
Conc: 21.91 ng/ml



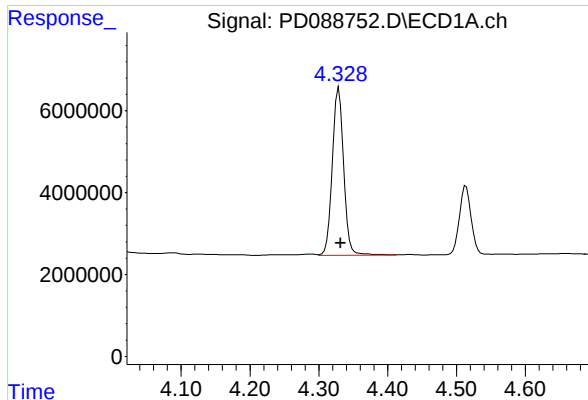
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 46772658
Conc: 9.79 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 267945499
Conc: 11.21 ng/ml



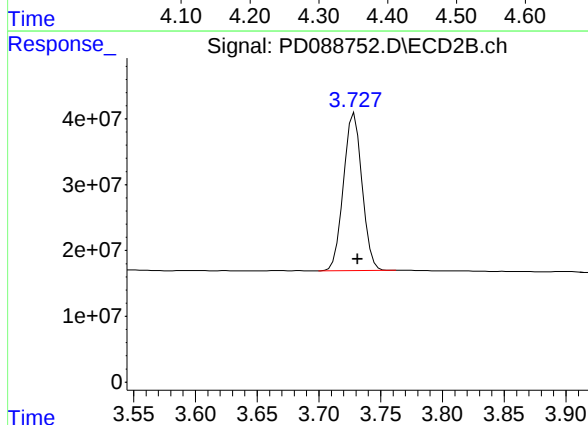
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.002 min
Response: 46966211
Conc: 10.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

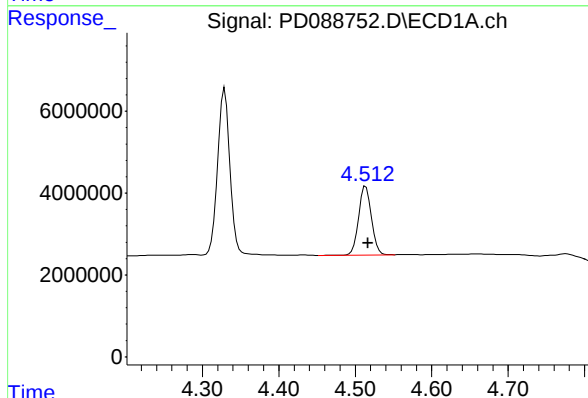
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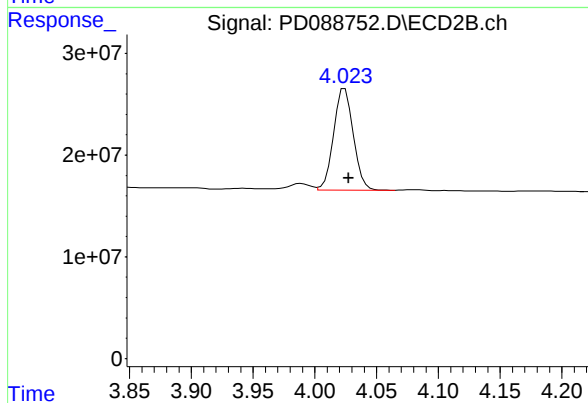
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 250430499
Conc: 11.30 ng/ml



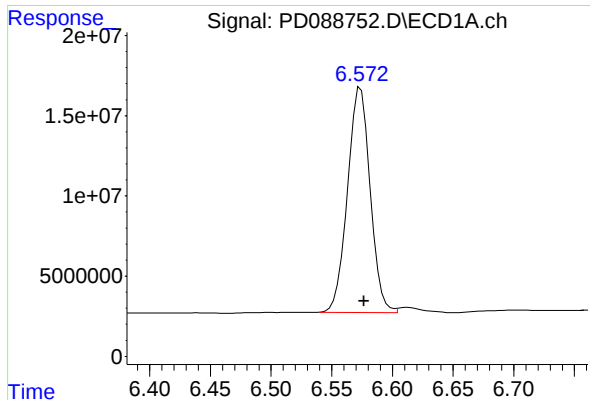
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 19775093
Conc: 10.97 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.003 min
Response: 110313631
Conc: 11.32 ng/ml



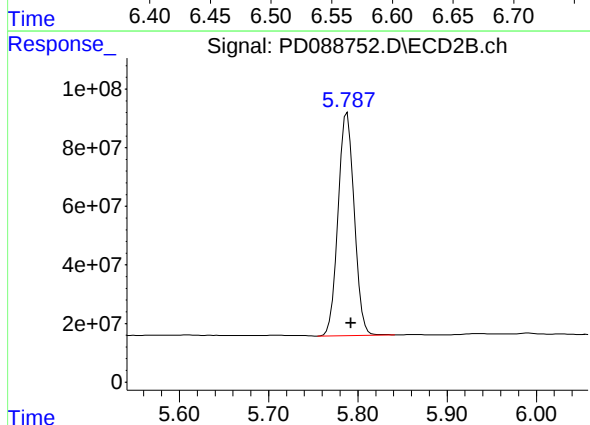
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 182490400
Conc: 53.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

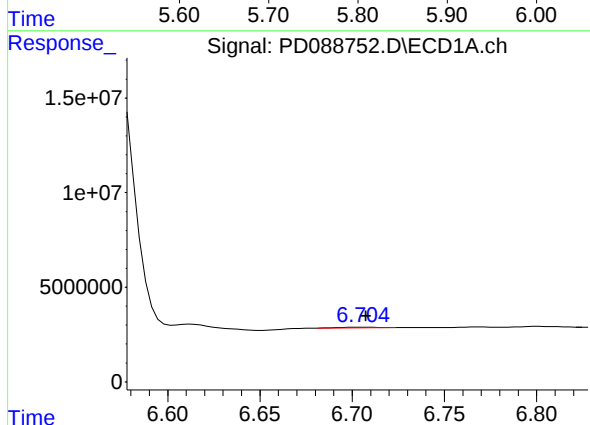
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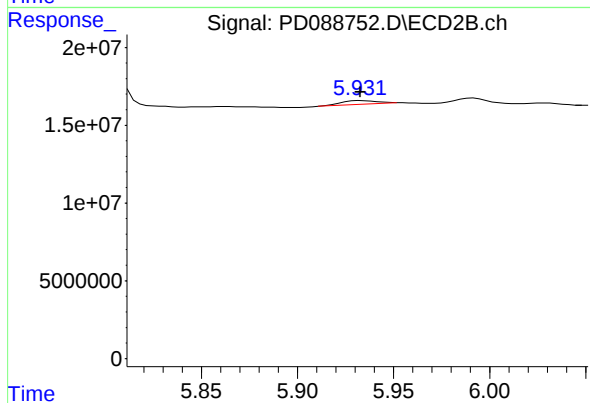
#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.004 min
Response: 957518975
Conc: 49.65 ng/ml



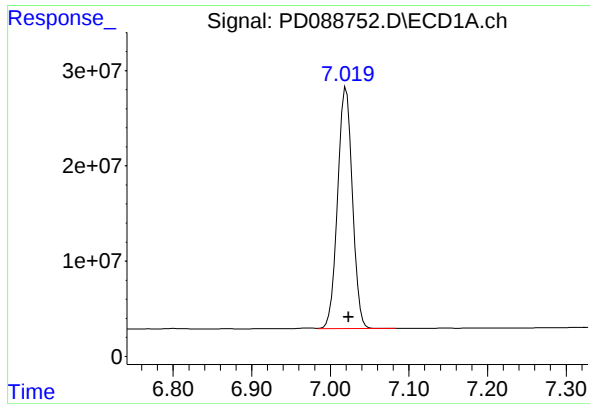
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 513150
Conc: 0.18 ng/ml m



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.002 min
Response: 3141753
Conc: 0.18 ng/ml m



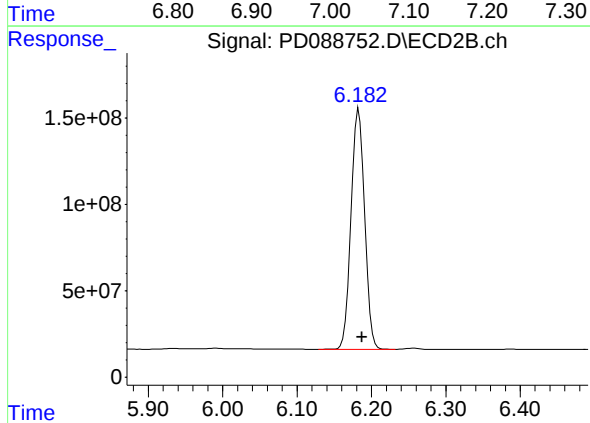
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 330453402
Conc: 105.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

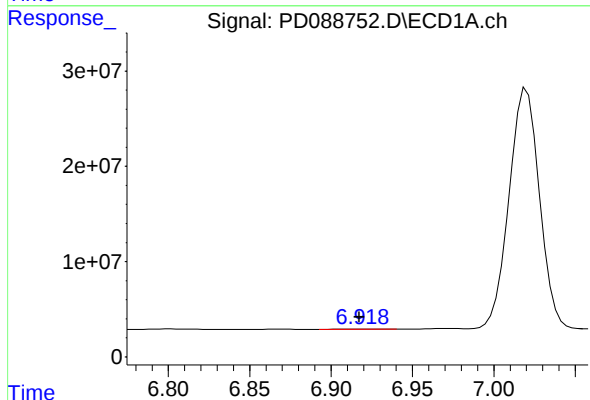
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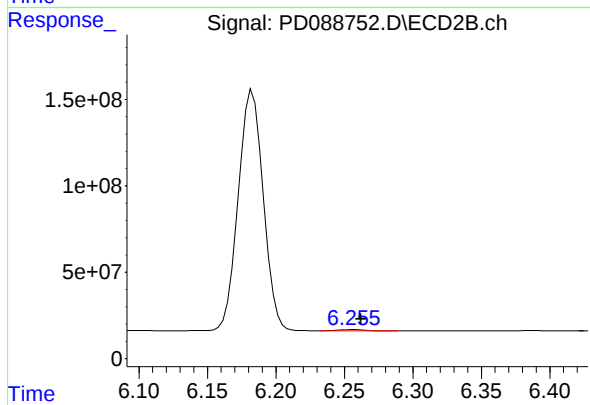
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.004 min
Response: 1770549798
Conc: 97.62 ng/ml



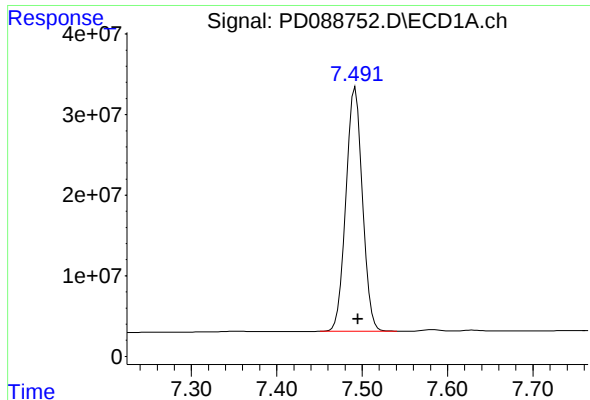
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.000 min
Response: 310974
Conc: 0.12 ng/ml m



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.006 min
Response: 8758153
Conc: 0.63 ng/ml



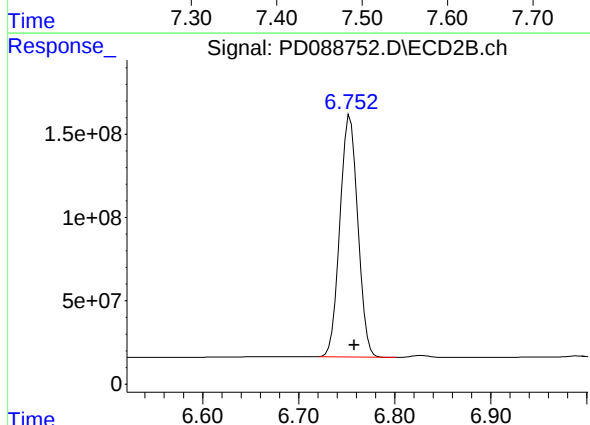
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 407938564
Conc: 244.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

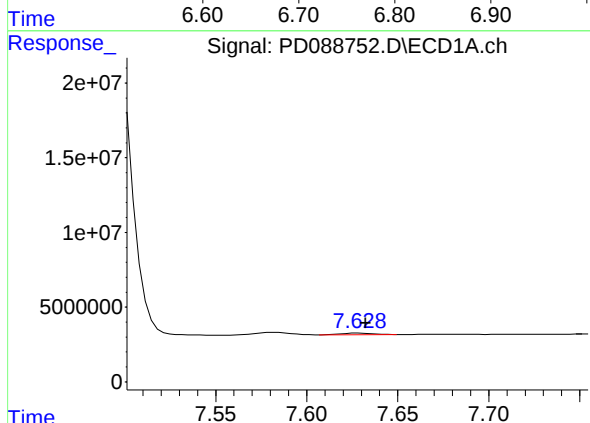
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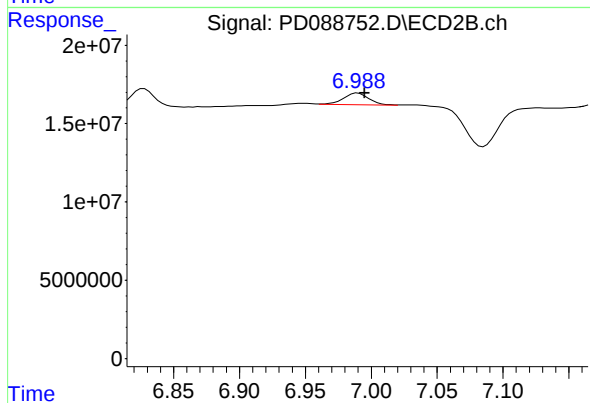
#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 1857779517
Conc: 194.03 ng/ml



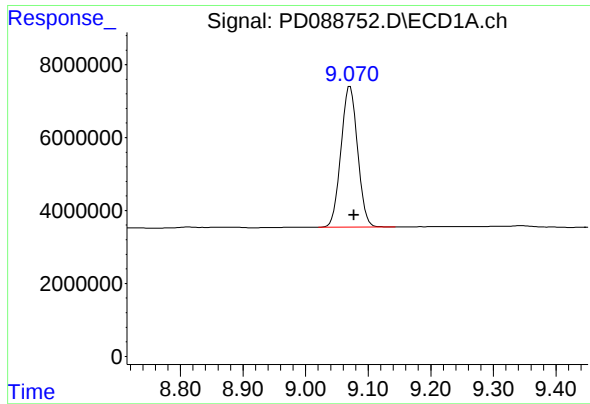
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.005 min
Response: 1284138
Conc: 0.38 ng/ml m



#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: -0.007 min
Response: 9845114
Conc: 0.51 ng/ml m



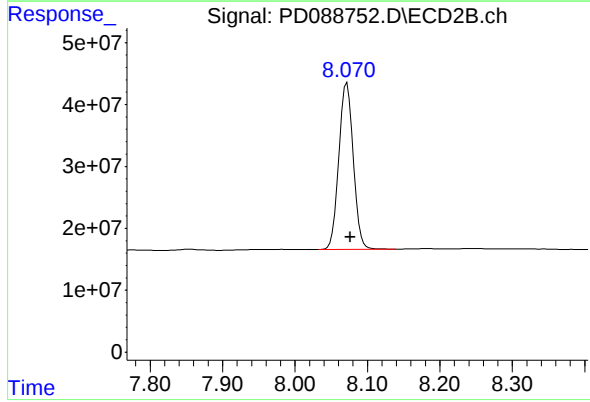
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.006 min
Response: 71538203
Conc: 20.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 372019868
Conc: 20.38 ng/ml