

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081125\
 Data File : PD089842.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Aug 2025 19:09
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/12/2025
 Supervised By : mohammad ahmed 08/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 12 01:22:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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...	3.547	2.878	50519656	402.0E6	20.482	25.384
28)	SA Decachlor...	9.067	8.066	72673437	458.6E6	19.556	22.843
Target Compounds							
2)	A alpha-BHC	3.996	3.389	48346098	333.7E6	9.760	13.731 #
3)	MA gamma-BHC...	4.327	3.726	48034697	303.2E6	10.108	13.463 #
6)	B beta-BHC	4.513	4.021	20171558	132.9E6	10.935	13.771 #
12)	B 4,4'-DDE	6.190	5.371	782251	4722956	0.210m	0.223
14)	MA Endrin	6.570	5.784	168.4E6	1171.0E6	47.074	58.770
16)	A 4,4'-DDD	6.701	5.924	19843238	118.7E6	6.626	6.733
17)	MA 4,4'-DDT	7.017	6.178	288.4E6	1989.3E6	85.821	108.272 #
18)	B Endrin al...	6.912	6.253	2719694	23077148	1.090	1.786 #
20)	A Methoxychlor	7.489	6.748	354.7E6	2164.2E6	198.370	220.934
21)	B Endrin ke...	7.625	6.986	9791972	80008994	2.636m	3.987 #

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

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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Aug 2025 19:09
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

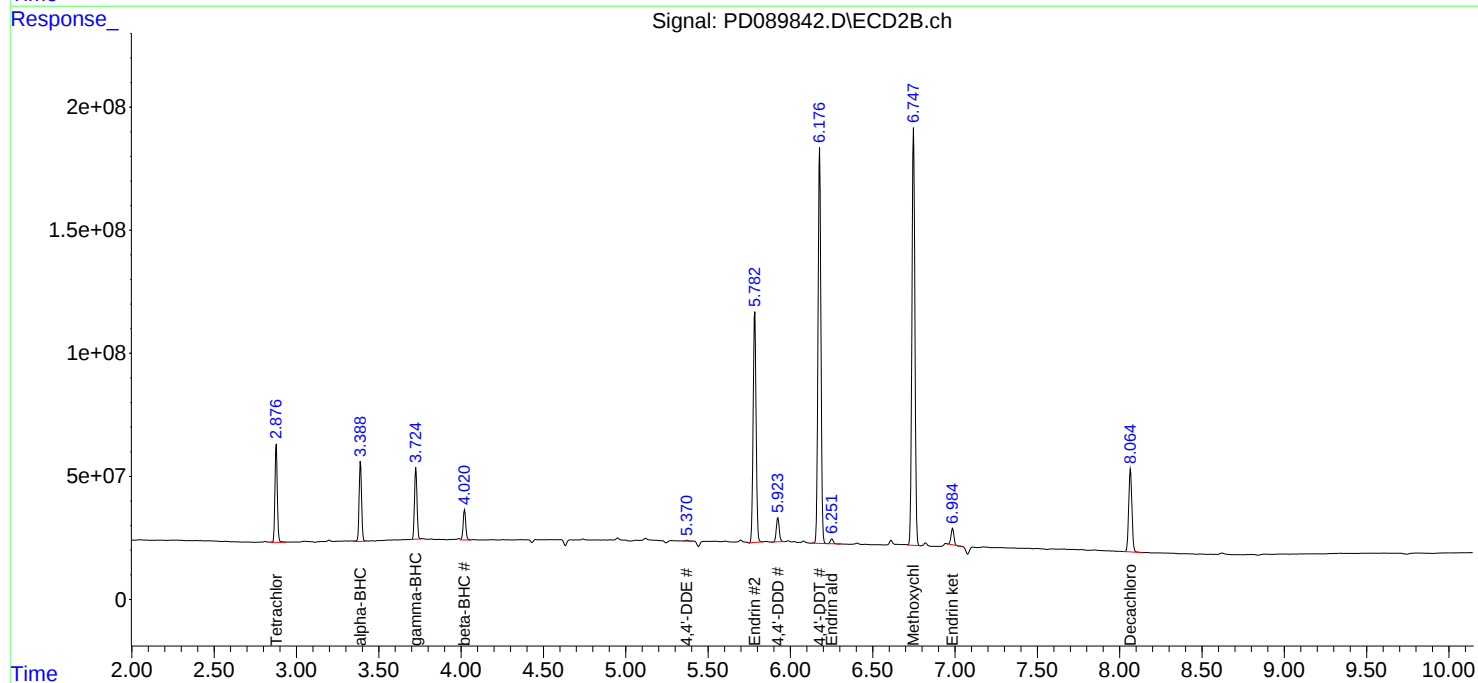
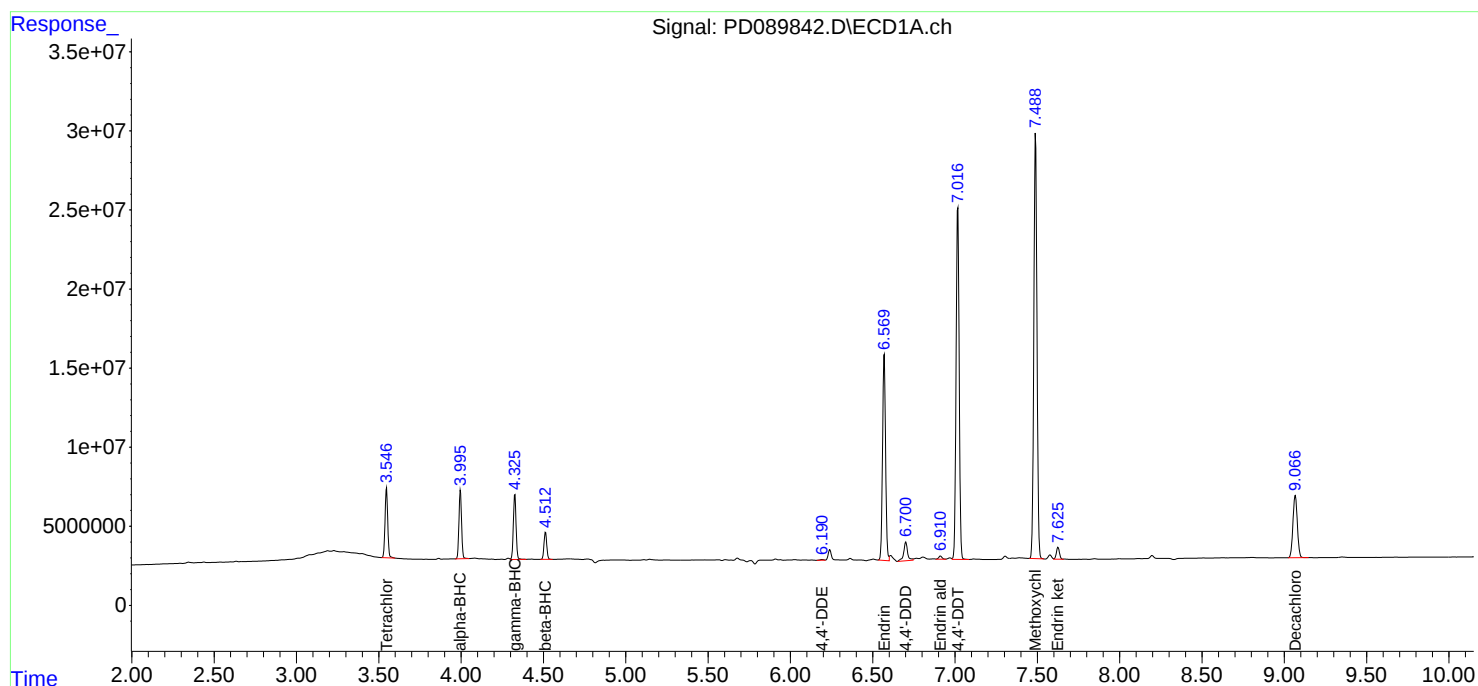
Instrument :
ECD_D
ClientSampleId :
PEM

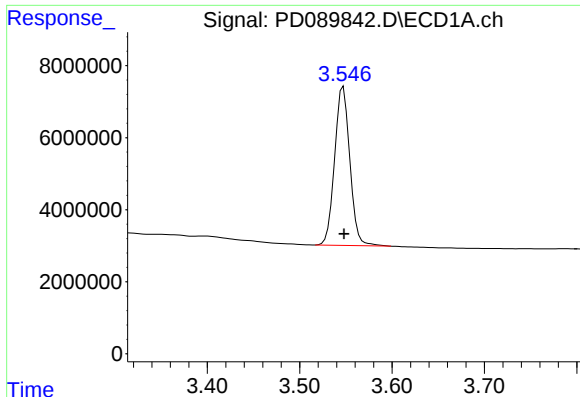
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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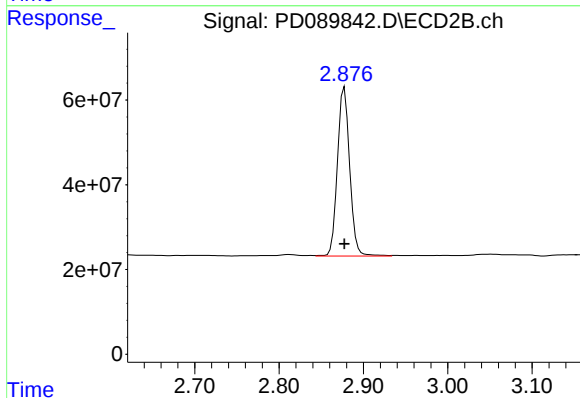
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 50519656
Conc: 20.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

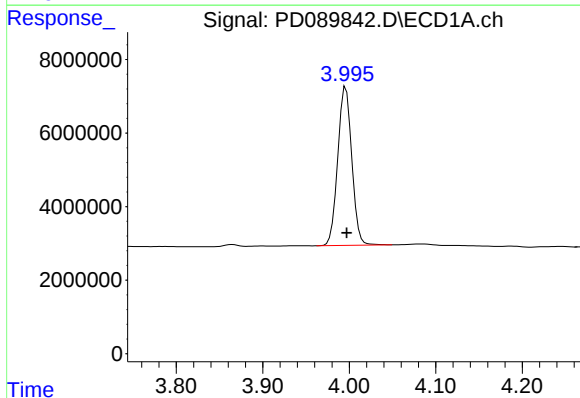
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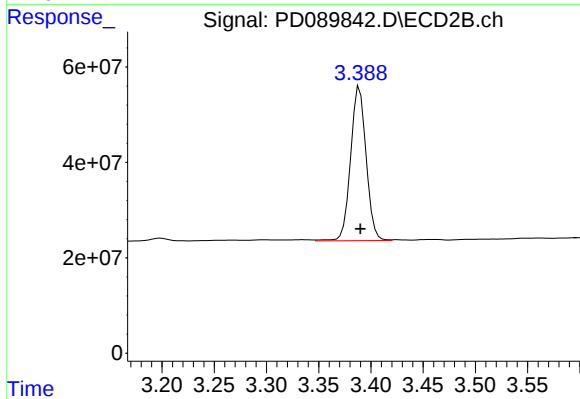
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 402026236
Conc: 25.38 ng/ml



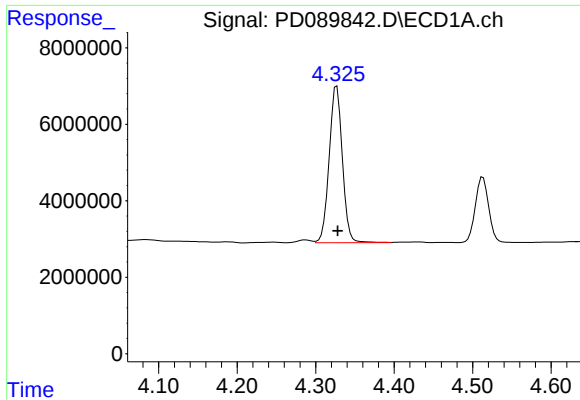
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 48346098
Conc: 9.76 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 333728930
Conc: 13.73 ng/ml



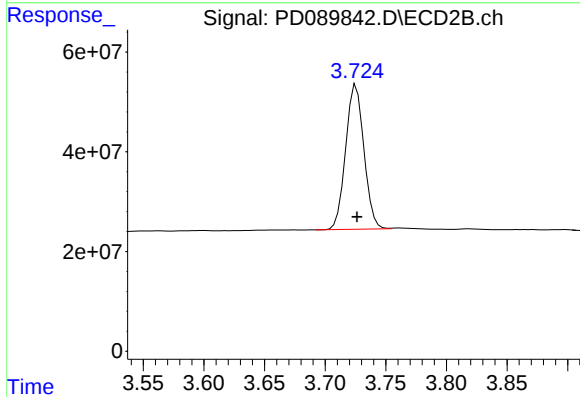
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 48034697
Conc: 10.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

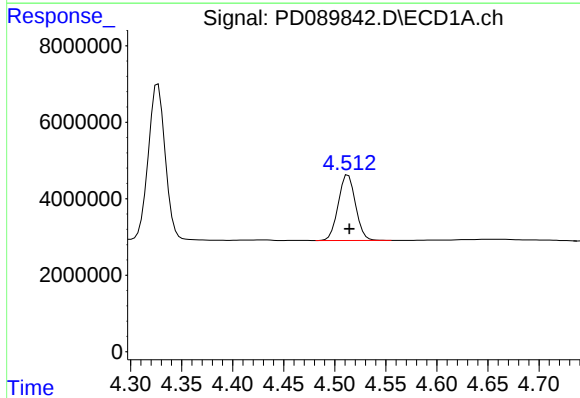
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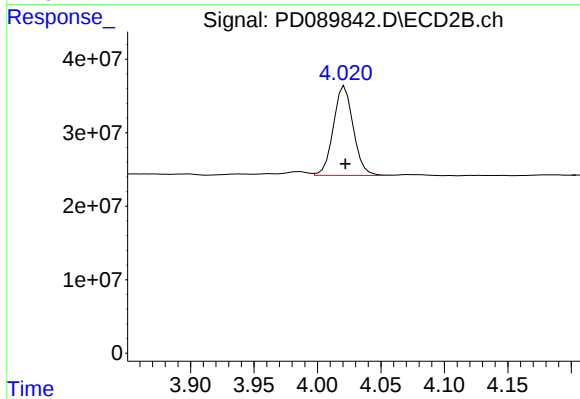
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 303234643
Conc: 13.46 ng/ml



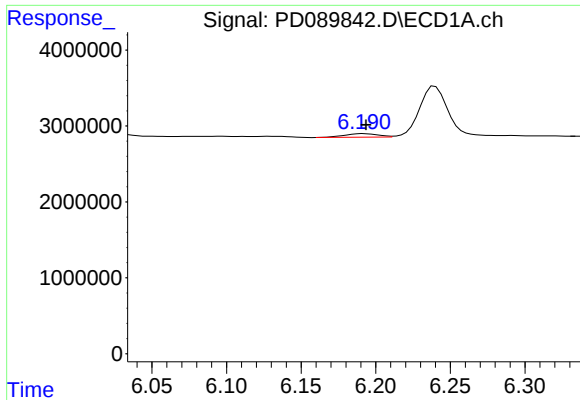
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 20171558
Conc: 10.94 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 132876669
Conc: 13.77 ng/ml



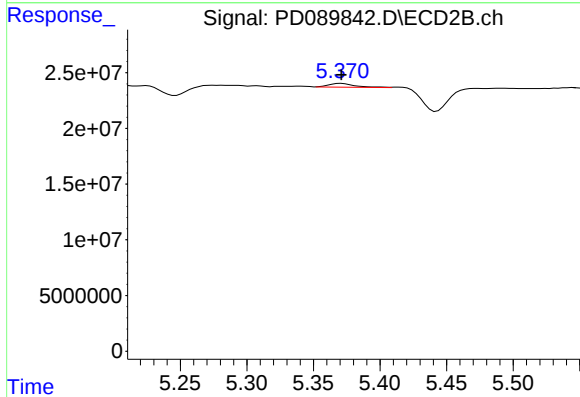
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.003 min
Response: 782251
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

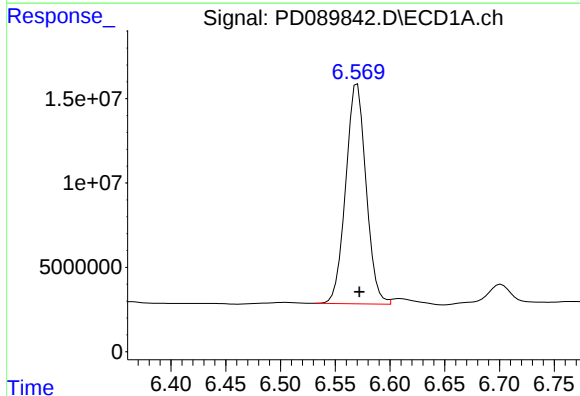
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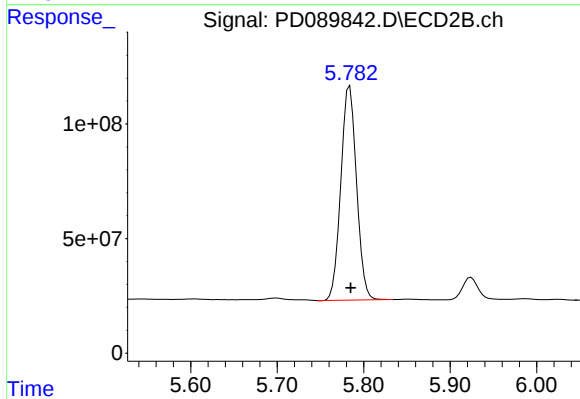
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 4722956
Conc: 0.22 ng/ml



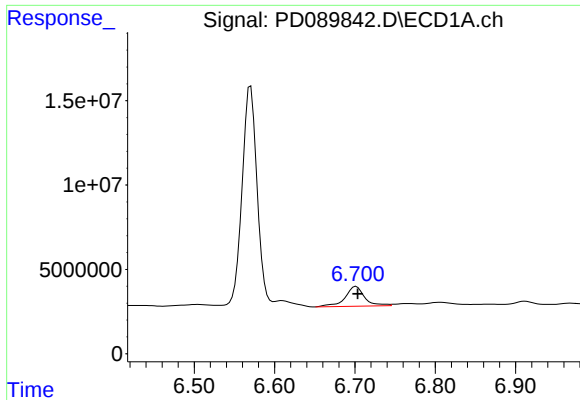
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 168417805
Conc: 47.07 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: -0.001 min
Response: 1171007919
Conc: 58.77 ng/ml



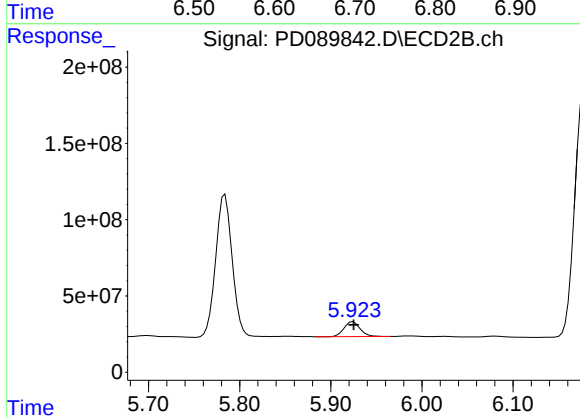
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 19843238
Conc: 6.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

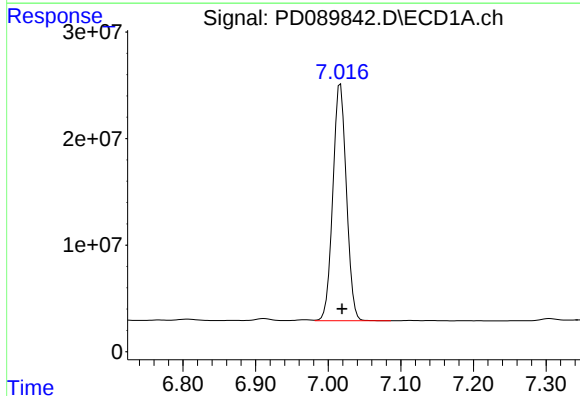
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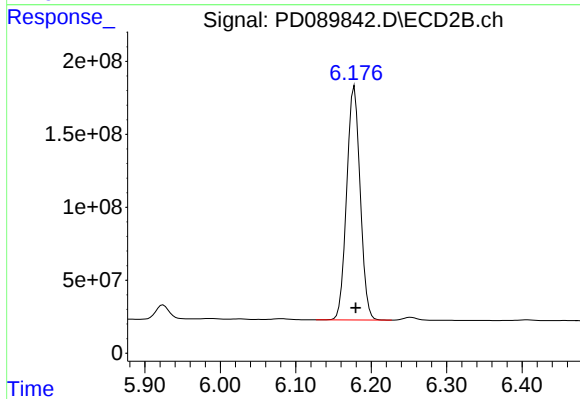
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 118714973
Conc: 6.73 ng/ml



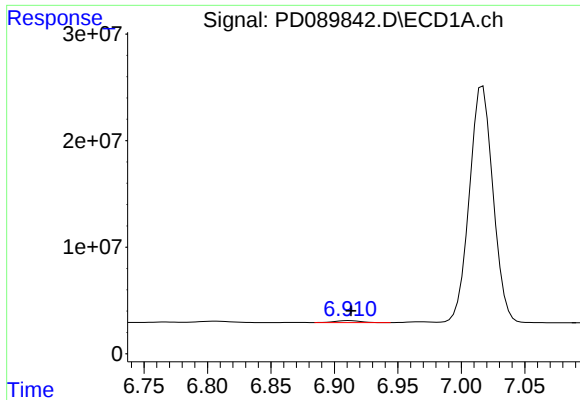
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.002 min
Response: 288378973
Conc: 85.82 ng/ml



#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.002 min
Response: 1989254149
Conc: 108.27 ng/ml



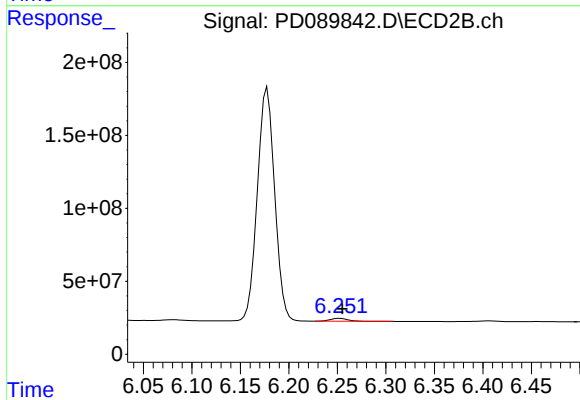
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.001 min
Response: 2719694
Conc: 1.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

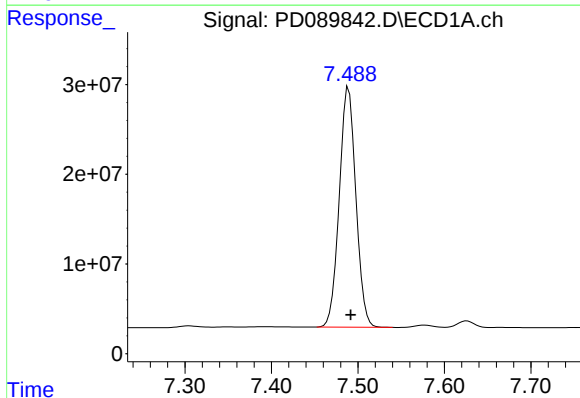
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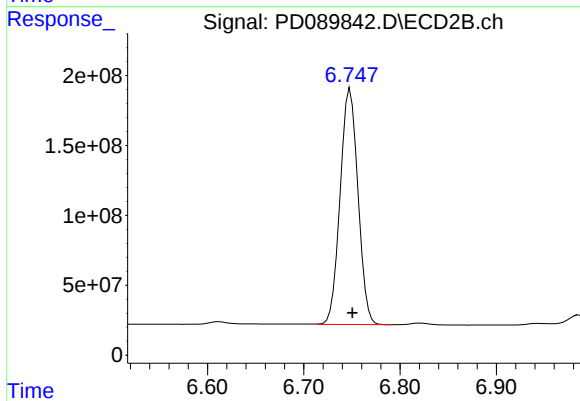
#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: -0.003 min
Response: 23077148
Conc: 1.79 ng/ml



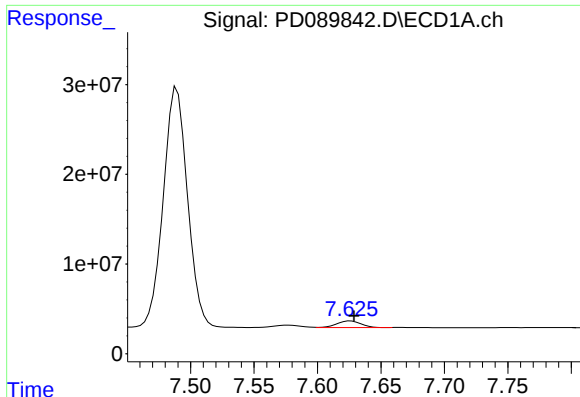
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.002 min
Response: 354681095
Conc: 198.37 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 2164155122
Conc: 220.93 ng/ml



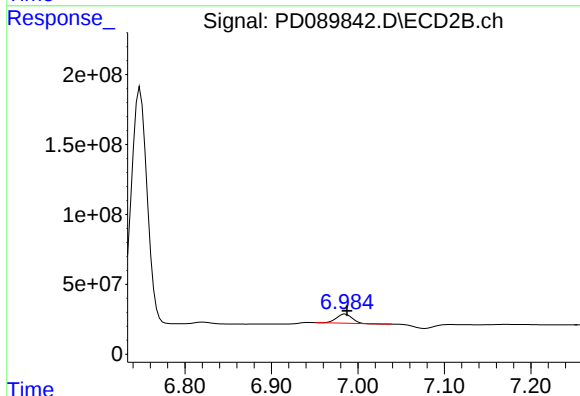
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.004 min
Response: 9791972
Conc: 2.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

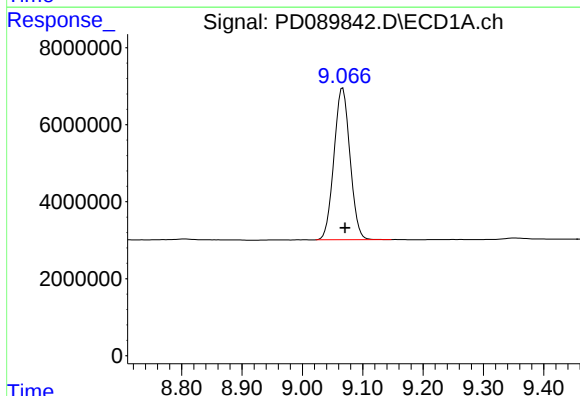
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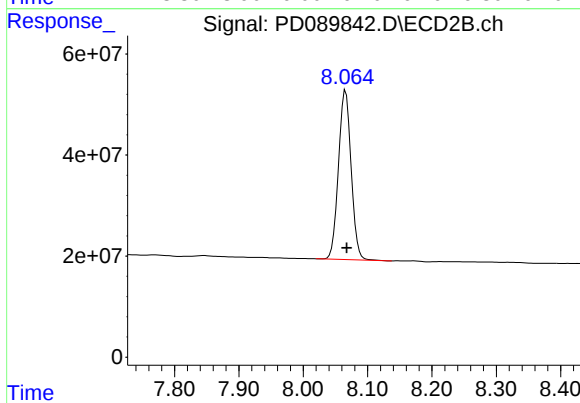
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 80008994
Conc: 3.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 72673437
Conc: 19.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 458649320
Conc: 22.84 ng/ml