

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081125\
 Data File : PD089832.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Aug 2025 11:19
 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 11 13:23:13 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...	3.552	2.877	51947936	399.2E6	21.061	25.204
28)	SA Decachlor...	9.072	8.066	71162207	439.0E6	19.149	21.867
Target Compounds							
2)	A alpha-BHC	4.001	3.389	49956932	334.1E6	10.085	13.747 #
3)	MA gamma-BHC...	4.332	3.725	49221377	304.6E6	10.357	13.525 #
6)	B beta-BHC	4.519	4.021	21501226	132.9E6	11.656	13.769
12)	B 4,4'-DDE	6.196	5.370	543444	4191703	0.146m	0.198m#
14)	MA Endrin	6.576	5.785	167.4E6	1124.3E6	46.782	56.424
16)	A 4,4'-DDD	6.705	5.925	14313093	113.5E6	4.779m	6.435 #
17)	MA 4,4'-DDT	7.023	6.179	290.7E6	1999.0E6	86.522	108.804 #
18)	B Endrin al...	6.917	6.254	2708420	26100116	1.085	2.020 #
20)	A Methoxychlor	7.494	6.749	356.6E6	2083.9E6	199.427	212.746
21)	B Endrin ke...	7.631	6.984	7981963	93408001	2.149	4.655m#

(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

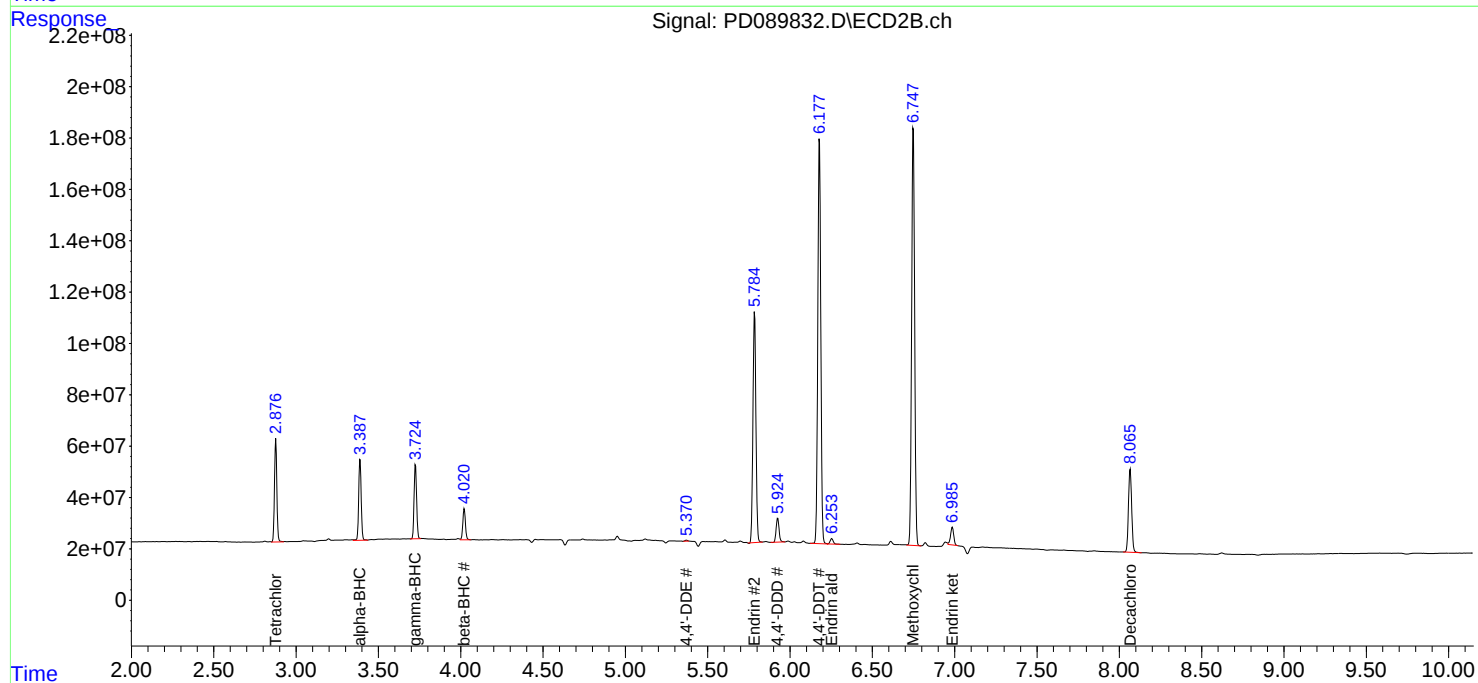
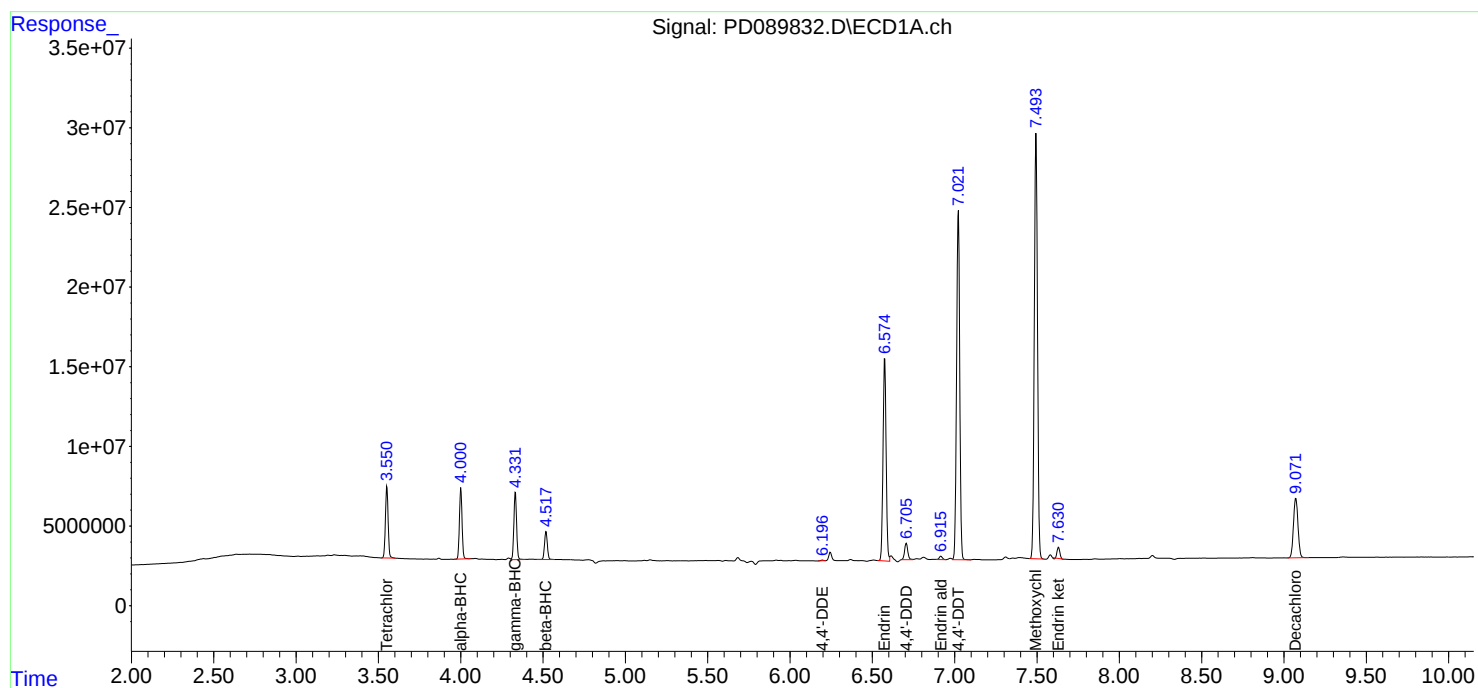
Instrument :
ECD_D
ClientSampleId :
PEM

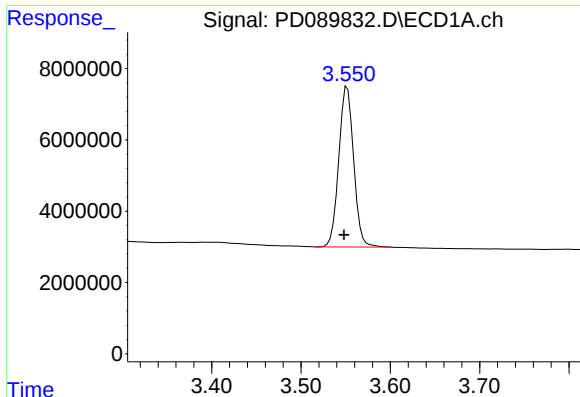
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





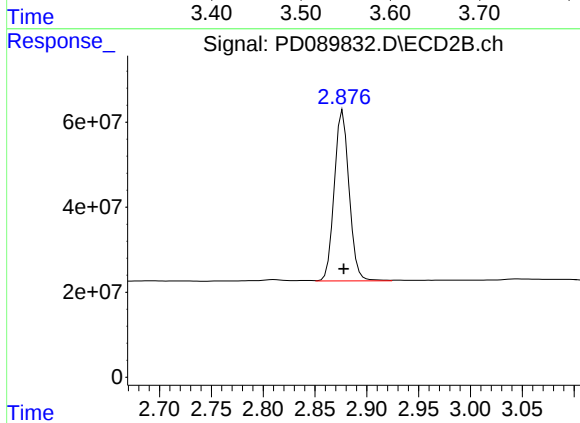
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.004 min
Response: 51947936
Conc: 21.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

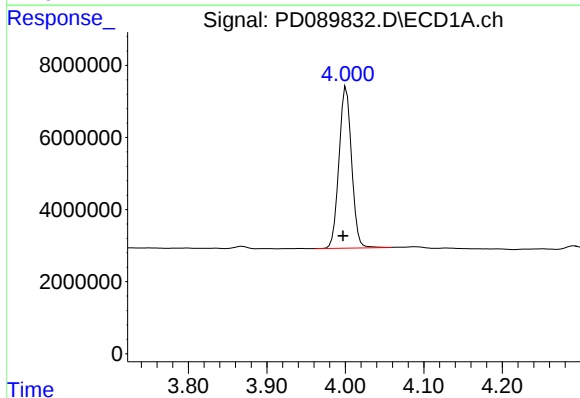
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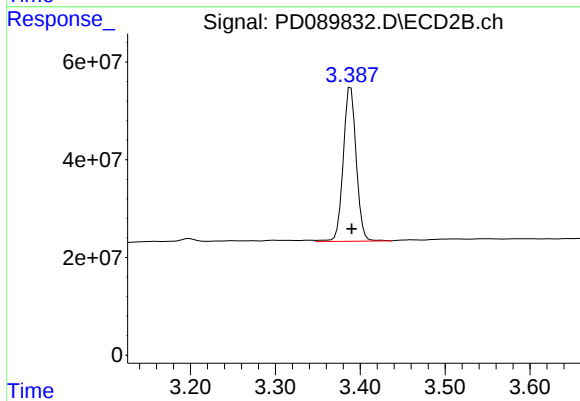
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 399175806
Conc: 25.20 ng/ml



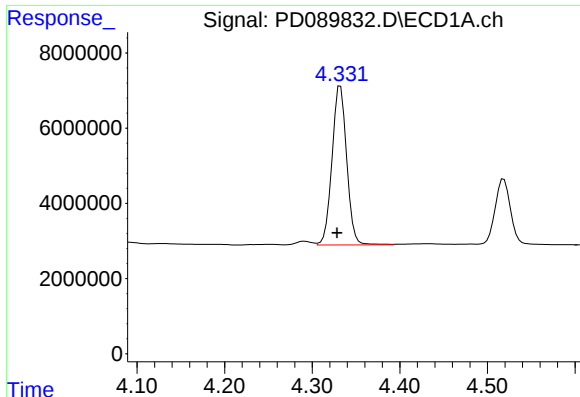
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.004 min
Response: 49956932
Conc: 10.09 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 334126958
Conc: 13.75 ng/ml



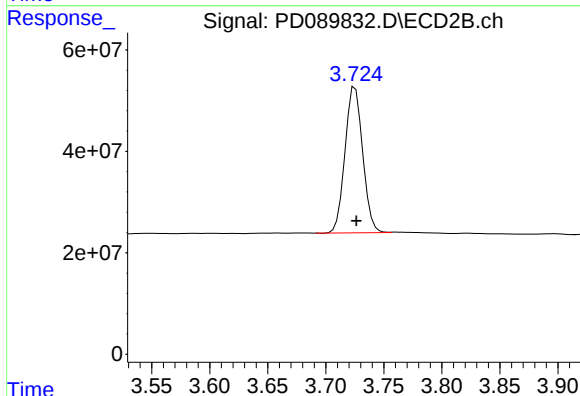
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.004 min
Response: 49221377
Conc: 10.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

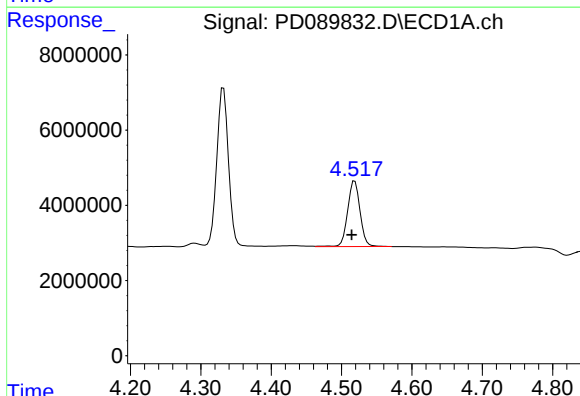
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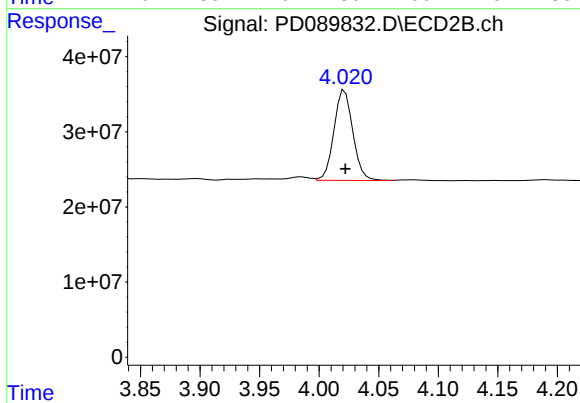
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.001 min
Response: 304638580
Conc: 13.53 ng/ml



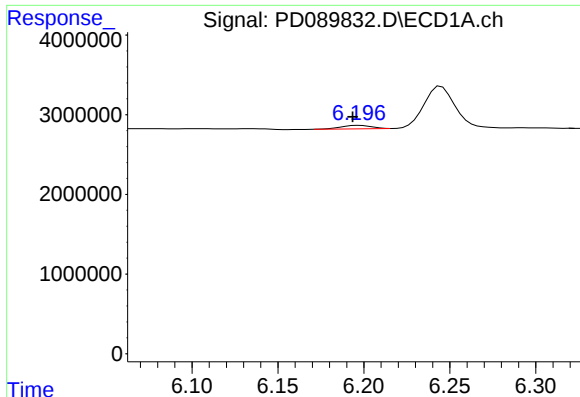
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.004 min
Response: 21501226
Conc: 11.66 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 132857955
Conc: 13.77 ng/ml



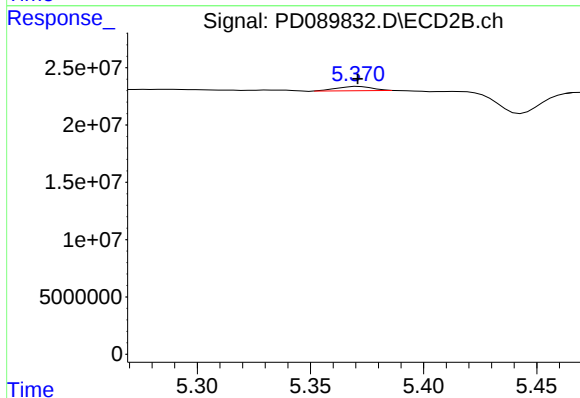
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.002 min
Response: 543444
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

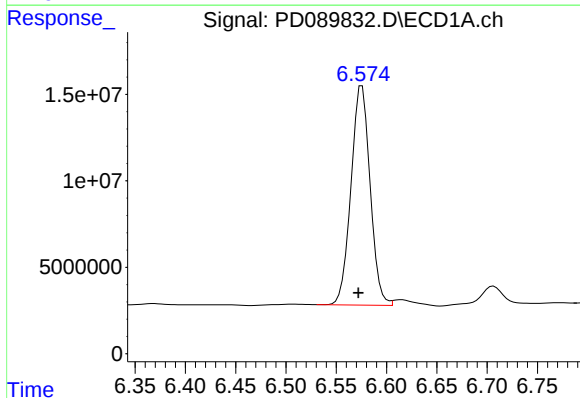
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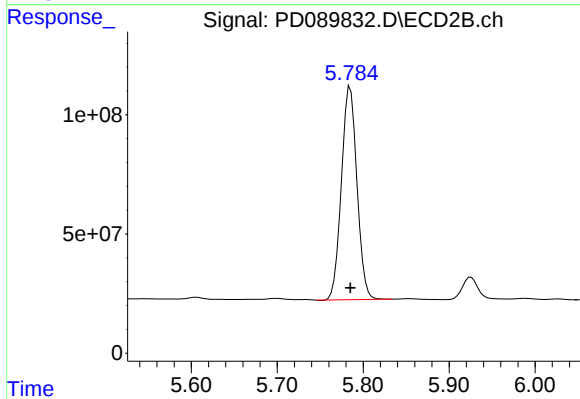
#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.001 min
Response: 4191703
Conc: 0.20 ng/ml m



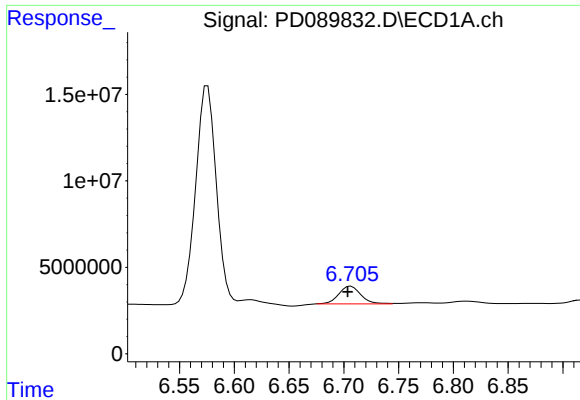
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.003 min
Response: 167371595
Conc: 46.78 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1124265108
Conc: 56.42 ng/ml



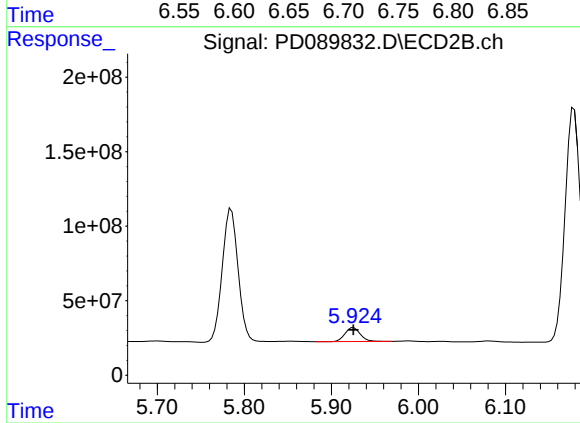
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.002 min
Response: 14313093
Conc: 4.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

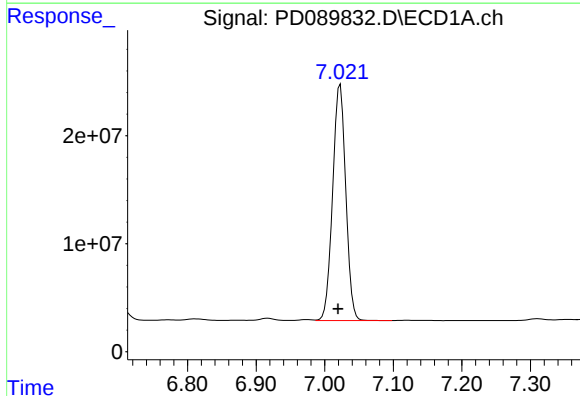
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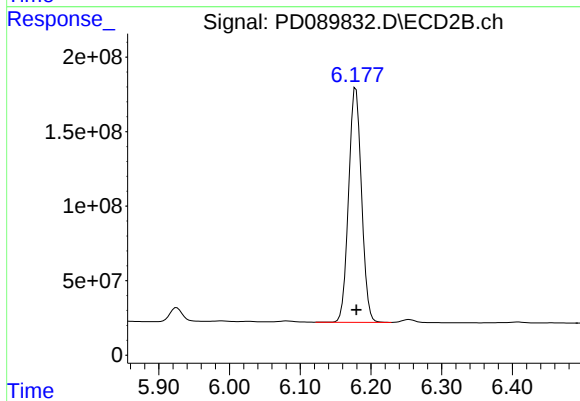
#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 113463073
Conc: 6.43 ng/ml



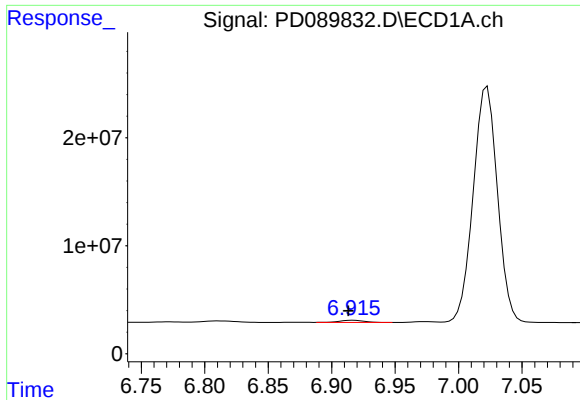
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.003 min
Response: 290734604
Conc: 86.52 ng/ml



#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1999016084
Conc: 108.80 ng/ml



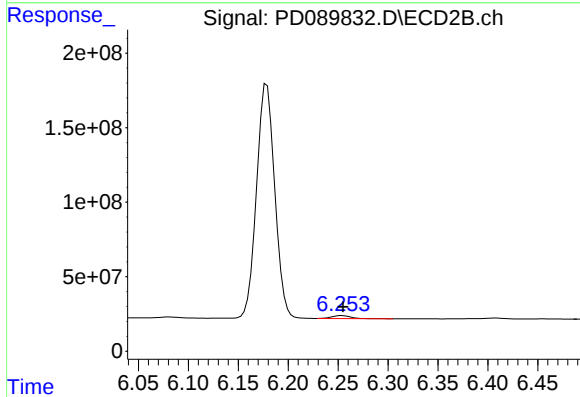
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.004 min
Response: 2708420
Conc: 1.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

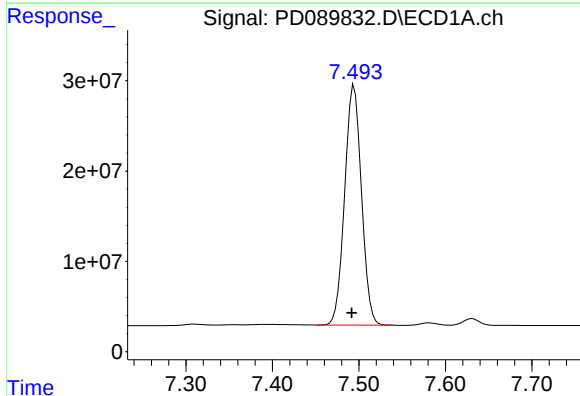
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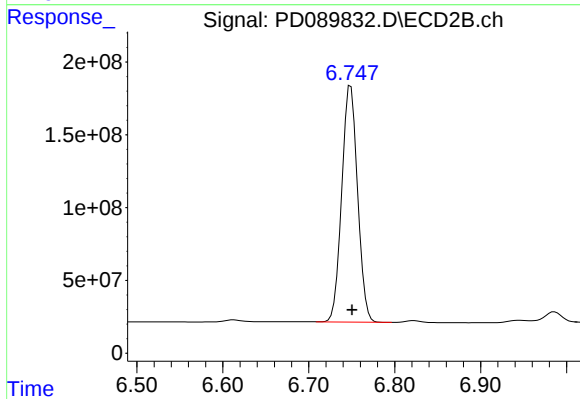
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 26100116
Conc: 2.02 ng/ml



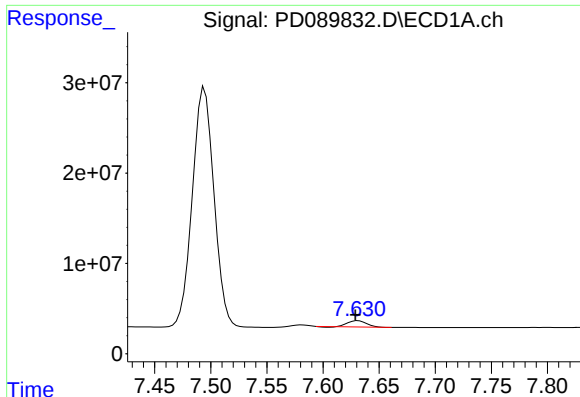
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.003 min
Response: 356569873
Conc: 199.43 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.002 min
Response: 2083949482
Conc: 212.75 ng/ml



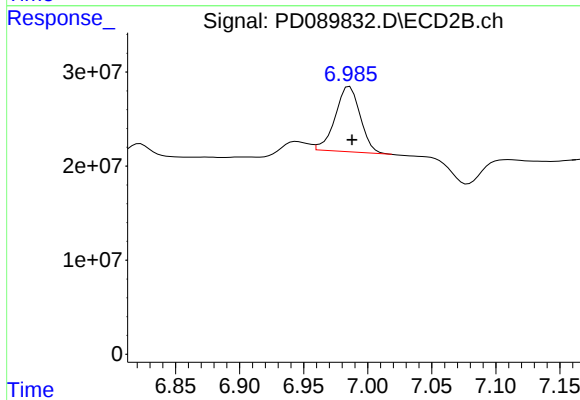
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.002 min
Response: 7981963
Conc: 2.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

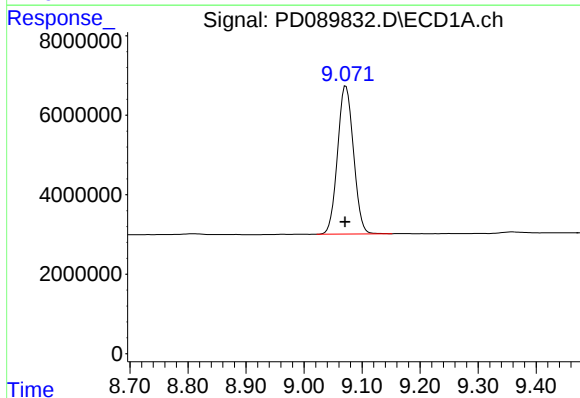
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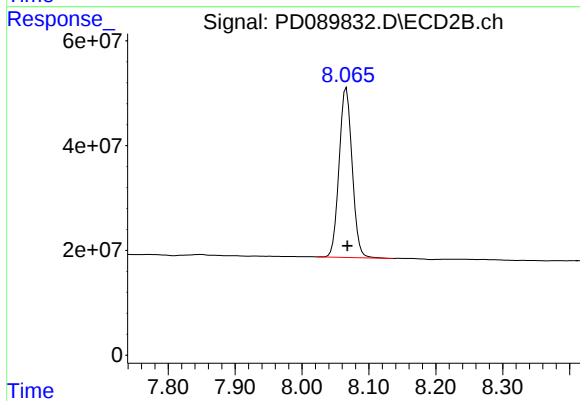
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.003 min
Response: 93408001
Conc: 4.65 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.002 min
Response: 71162207
Conc: 19.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 439040628
Conc: 21.87 ng/ml