

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090613.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 17:41
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/16/2025
 Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:36:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.546	2.876	51714629	444.7E6	15.910	16.200
28)	SA Decachlor...	9.067	8.063	73243977	414.8E6	15.180	12.797
Target Compounds							
2)	A alpha-BHC	3.995	3.387	47765692	367.4E6	6.839	8.391
3)	MA gamma-BHC...	4.325	3.724	47121739	340.4E6	7.121	8.357
6)	B beta-BHC	4.513	4.019	20178003	145.6E6	7.821	8.400
12)	B 4,4'-DDE	6.191	5.367	812176	9523209	0.156	0.249m#
14)	MA Endrin	6.569	5.781	181.1E6	1418.5E6	37.002	39.587
16)	A 4,4'-DDD	6.699	5.922	6014531	59358406	1.468m	1.830
17)	MA 4,4'-DDT	7.016	6.175	279.0E6	2200.5E6	62.671	64.006
18)	B Endrin al...	6.915	6.248	1034332	13124163	0.302m	0.557 #
20)	A Methoxychlor	7.489	6.745	343.7E6	2351.9E6	145.871	135.166
21)	B Endrin ke...	7.627	6.982	4702257	18493420	0.950	0.512 #

(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 : 15 Oct 2025 17:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

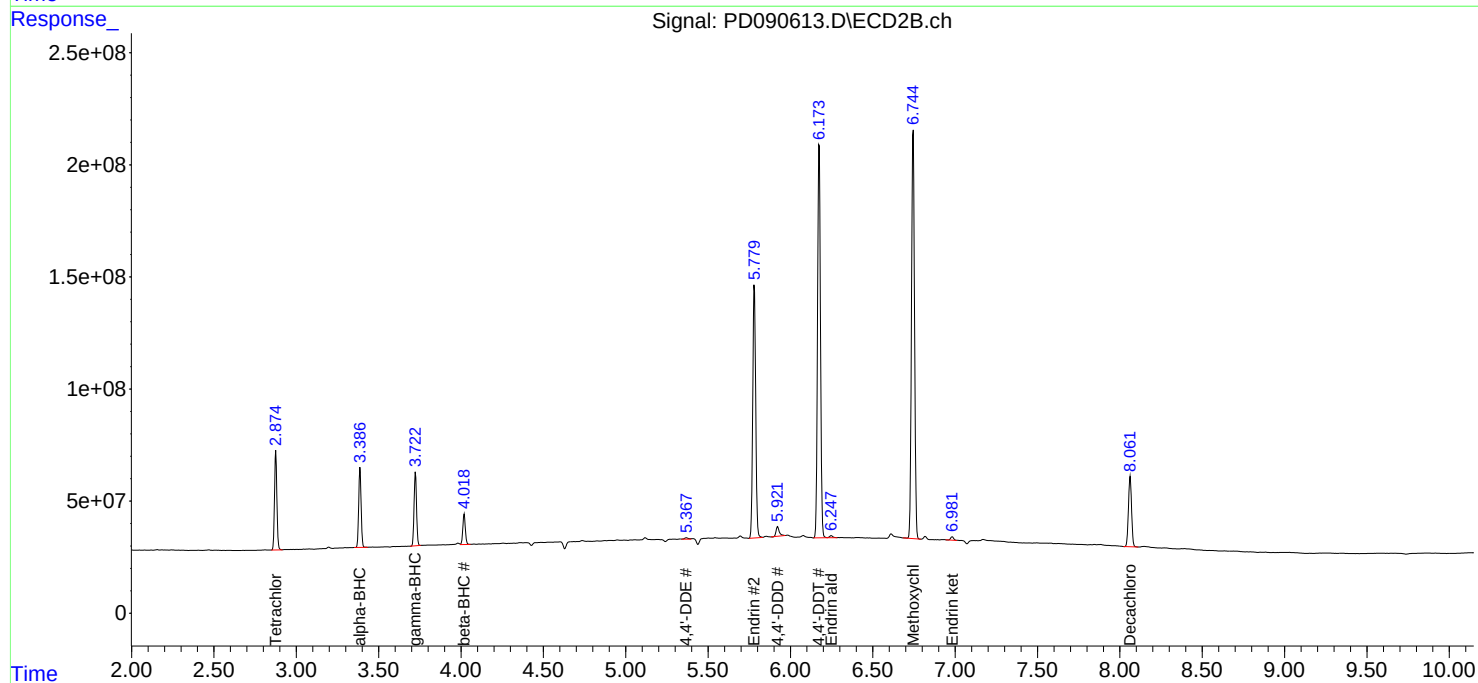
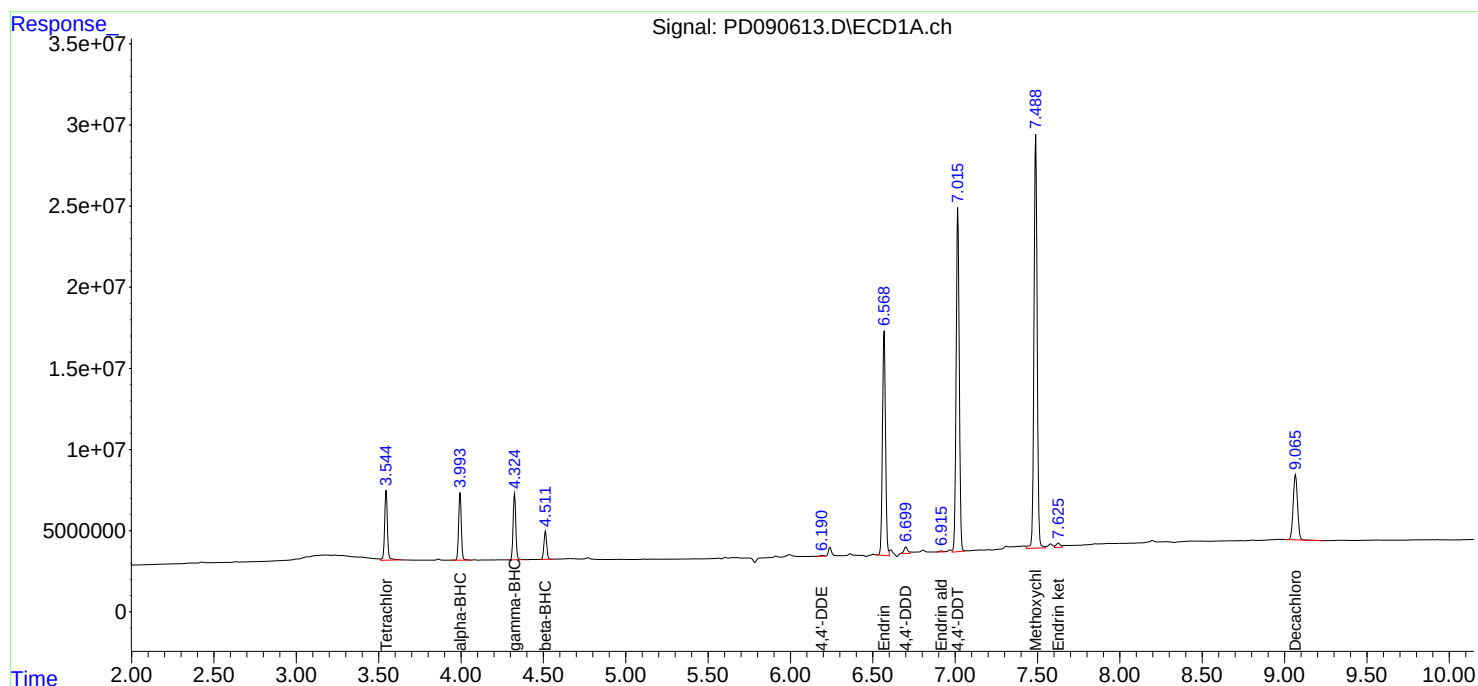
Instrument :
ECD_D
ClientSampleId :
PEM

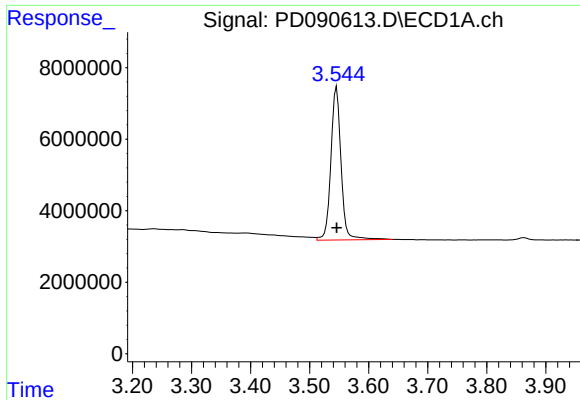
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Integration File signal 1: autoint1.e
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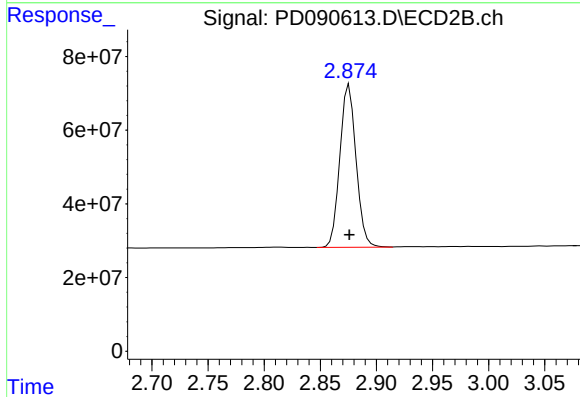
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: 0.000 min
Response: 51714629
Conc: 15.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

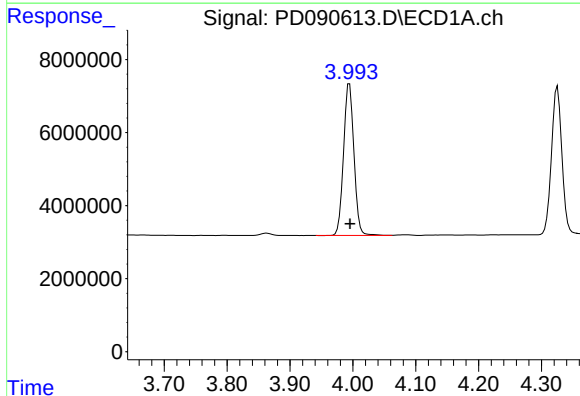
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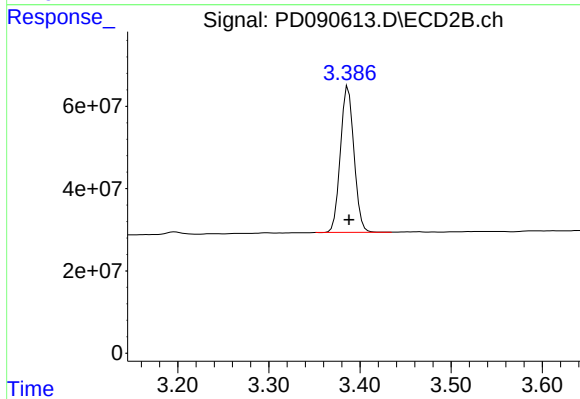
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 444702717
Conc: 16.20 ng/ml



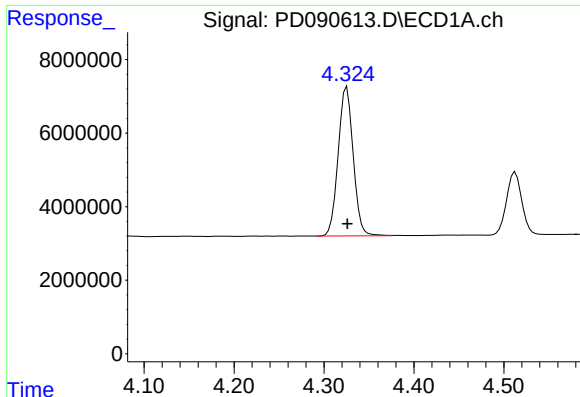
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 47765692
Conc: 6.84 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 367379048
Conc: 8.39 ng/ml



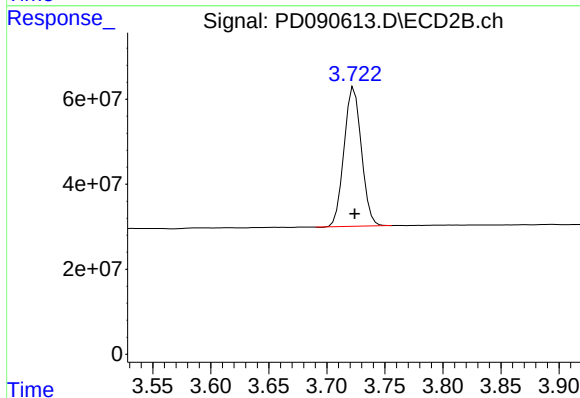
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 47121739
Conc: 7.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

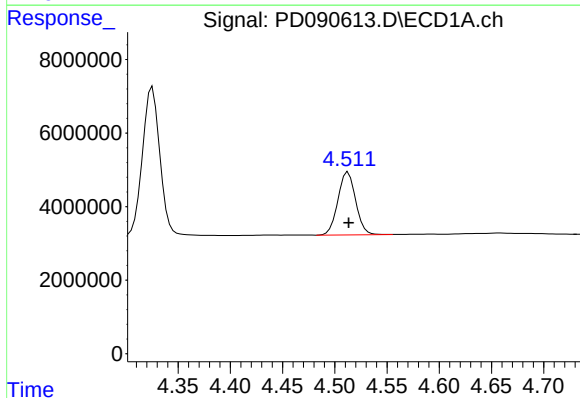
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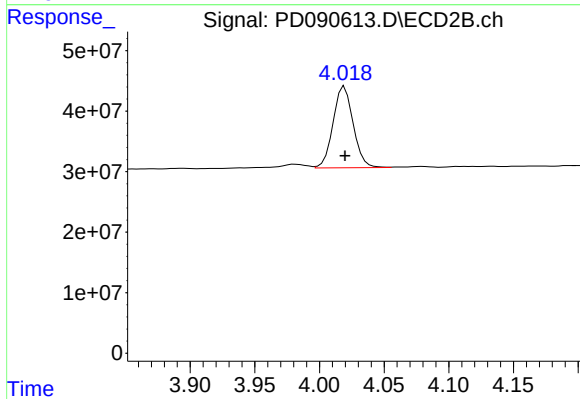
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 340417984
Conc: 8.36 ng/ml



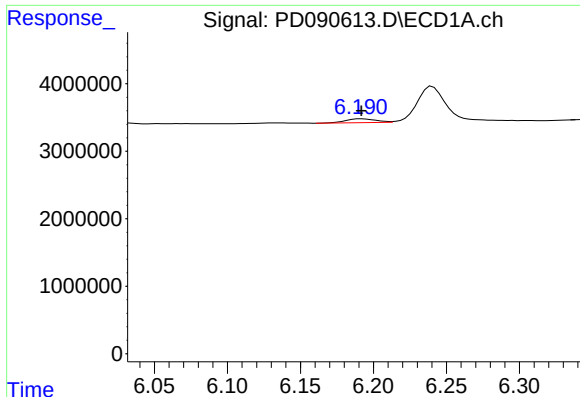
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 20178003
Conc: 7.82 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 145623707
Conc: 8.40 ng/ml



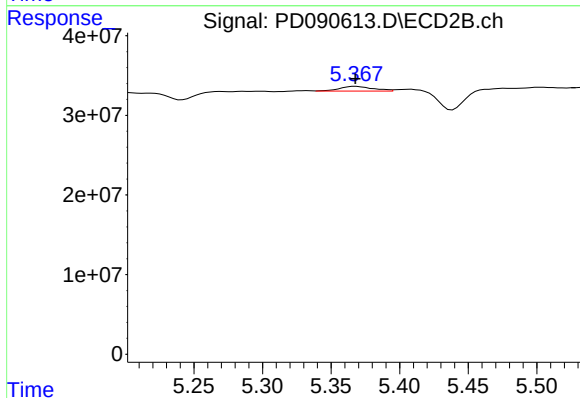
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 812176
Conc: 0.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

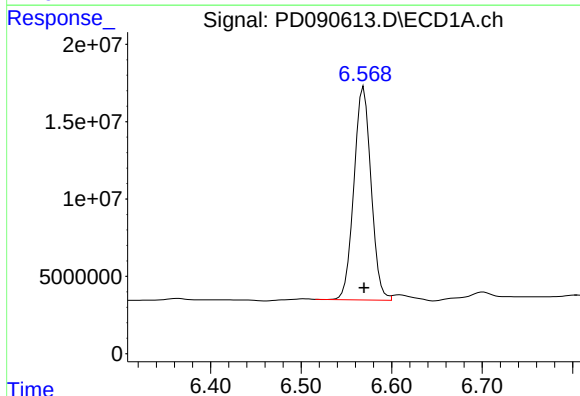
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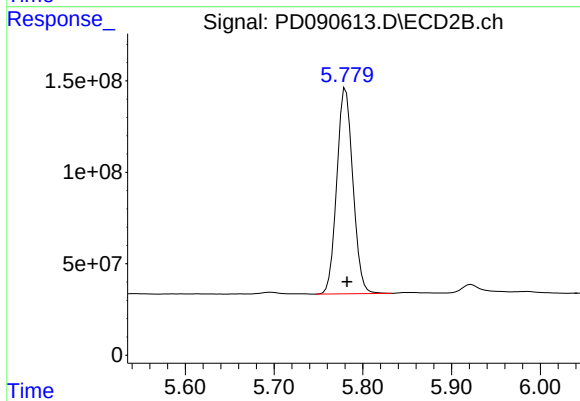
#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.001 min
Response: 9523209
Conc: 0.25 ng/ml m



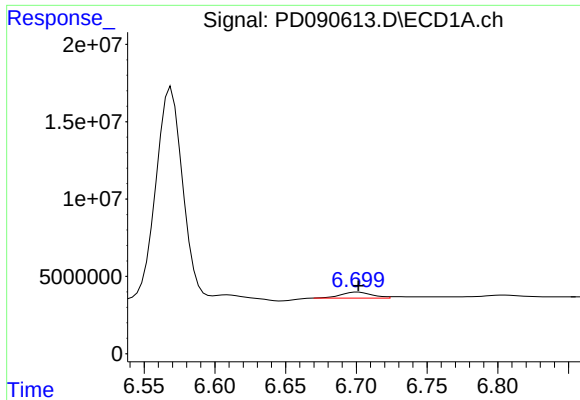
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 181086239
Conc: 37.00 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1418494513
Conc: 39.59 ng/ml



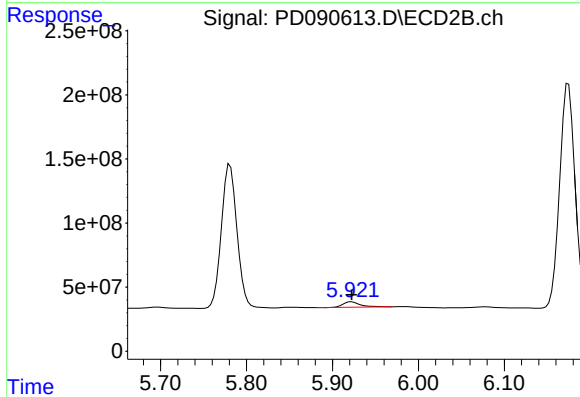
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 6014531
Conc: 1.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

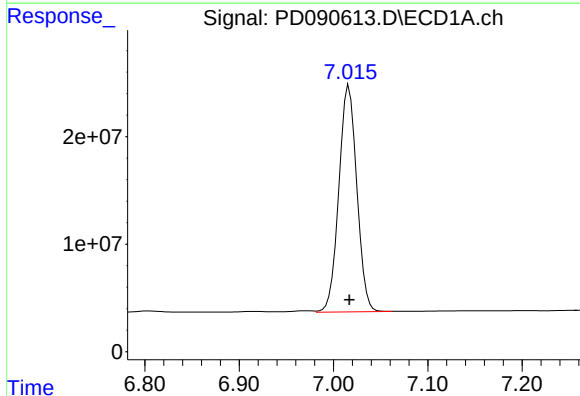
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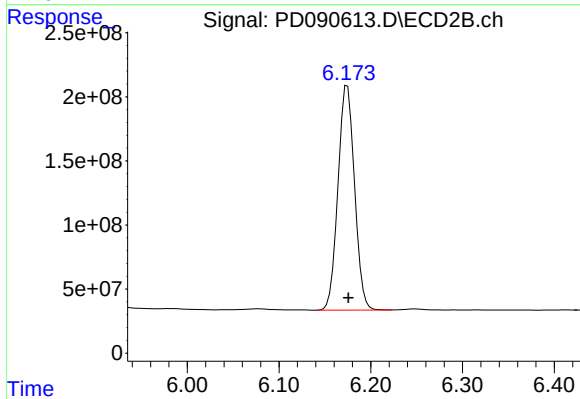
#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 59358406
Conc: 1.83 ng/ml



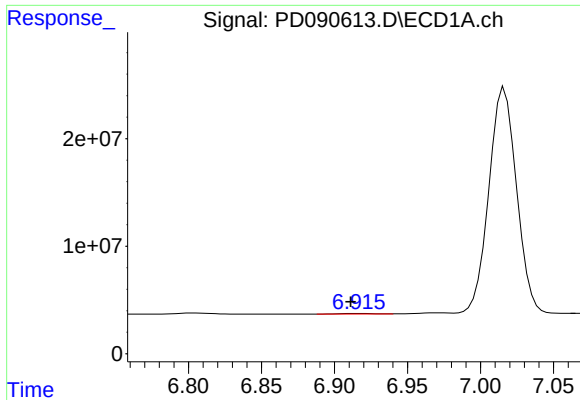
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 279038651
Conc: 62.67 ng/ml



#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.001 min
Response: 2200471953
Conc: 64.01 ng/ml



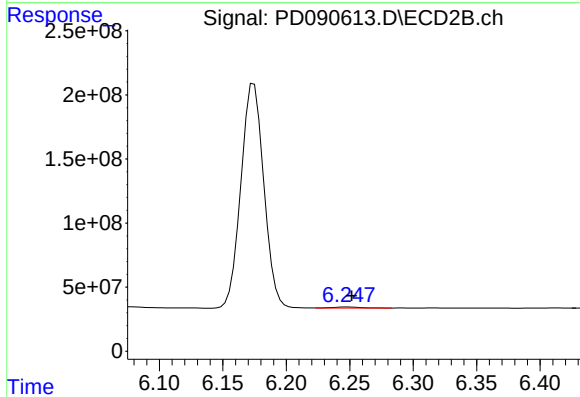
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.004 min
Response: 1034332
Conc: 0.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

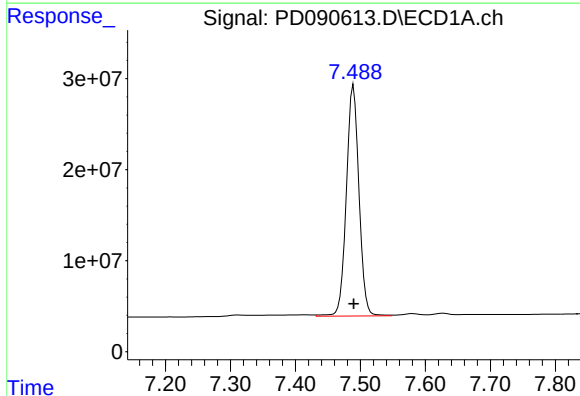
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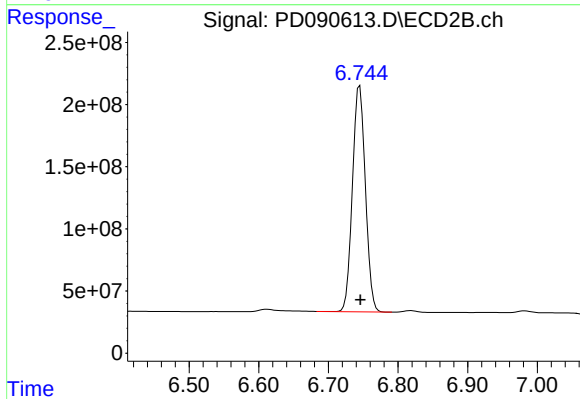
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 13124163
Conc: 0.56 ng/ml



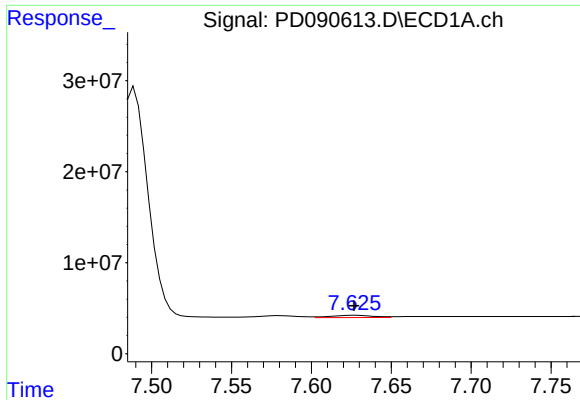
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 343746035
Conc: 145.87 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 2351940553
Conc: 135.17 ng/ml



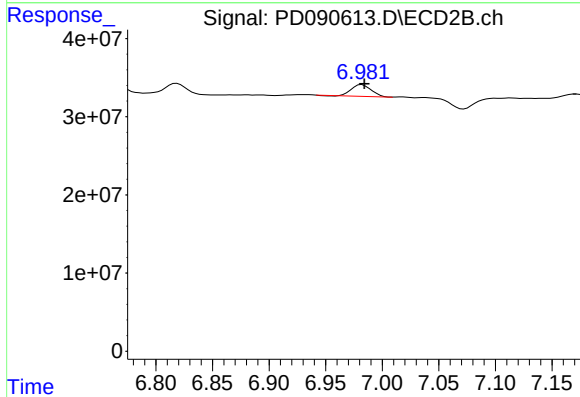
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 4702257
Conc: 0.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

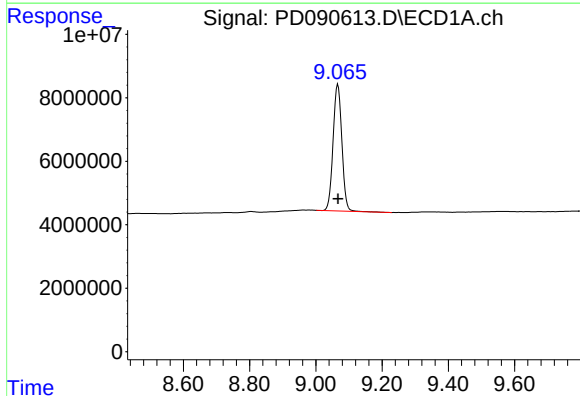
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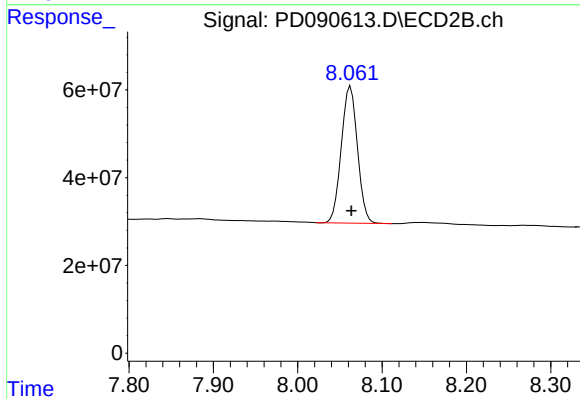
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 18493420
Conc: 0.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.001 min
Response: 73243977
Conc: 15.18 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 414803873
Conc: 12.80 ng/ml