

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081925\
 Data File : PD089984.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 10:03
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/21/2025
 Supervised By : mohammad ahmed 08/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 07:12:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.548	2.877	56319153	443.7E6	19.190	20.120
28)	SA Decachlor...	9.068	8.064	86173238	540.6E6	19.966	20.882
Target Compounds							
2)	A alpha-BHC	3.997	3.389	54803531	372.5E6	9.131	10.974
3)	MA gamma-BHC...	4.328	3.725	54942357	339.5E6	9.594	10.891
6)	B beta-BHC	4.514	4.021	22844028	147.0E6	10.184	11.024
14)	MA Endrin	6.571	5.783	205.1E6	1315.7E6	49.488	49.402
16)	A 4,4'-DDD	6.702	5.924	3488692	27245337	1.009	1.133
17)	MA 4,4'-DDT	7.018	6.176	373.6E6	2460.3E6	98.067	98.137
18)	B Endrin al...	6.913	6.250	1107762	14983472	0.386	0.870 #
20)	A Methoxychlor	7.490	6.746	455.5E6	2571.4E6	227.105	199.402
21)	B Endrin ke...	7.625	6.982	3303520	30735783	0.797m	1.154m#

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

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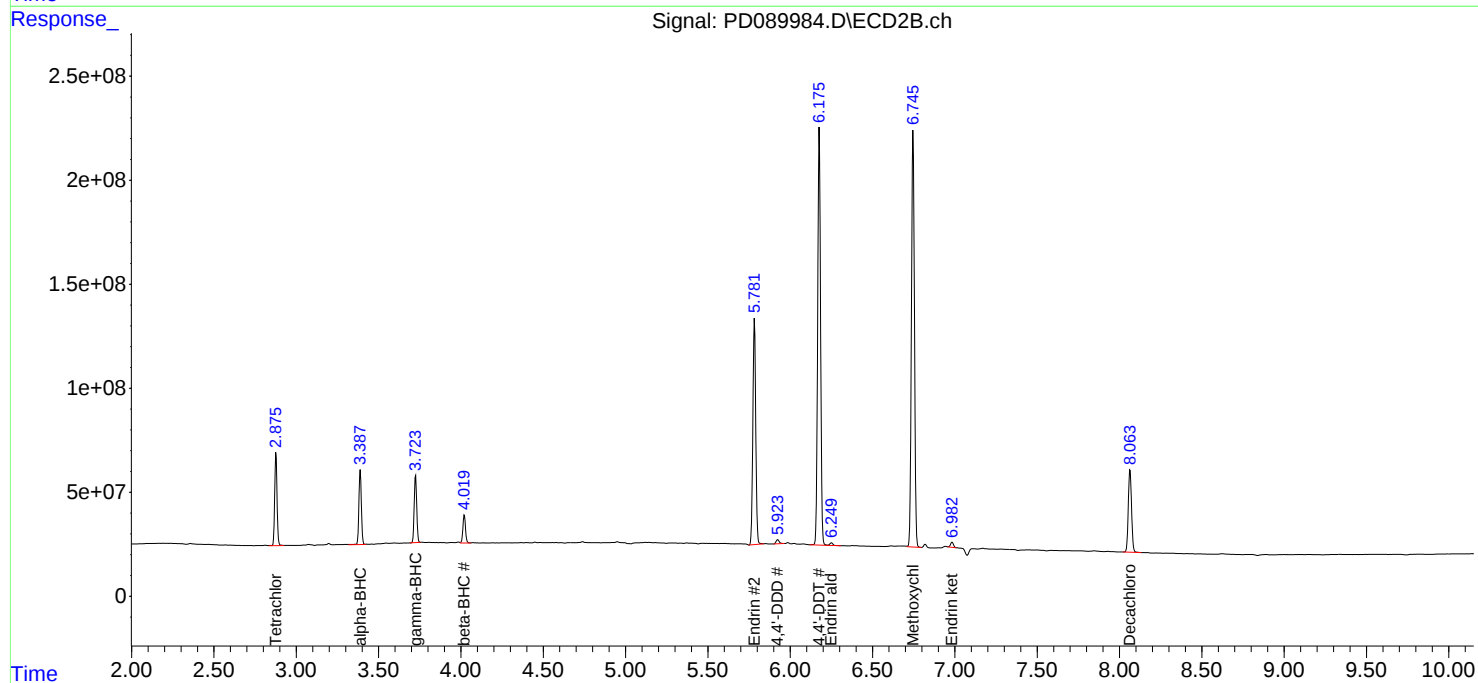
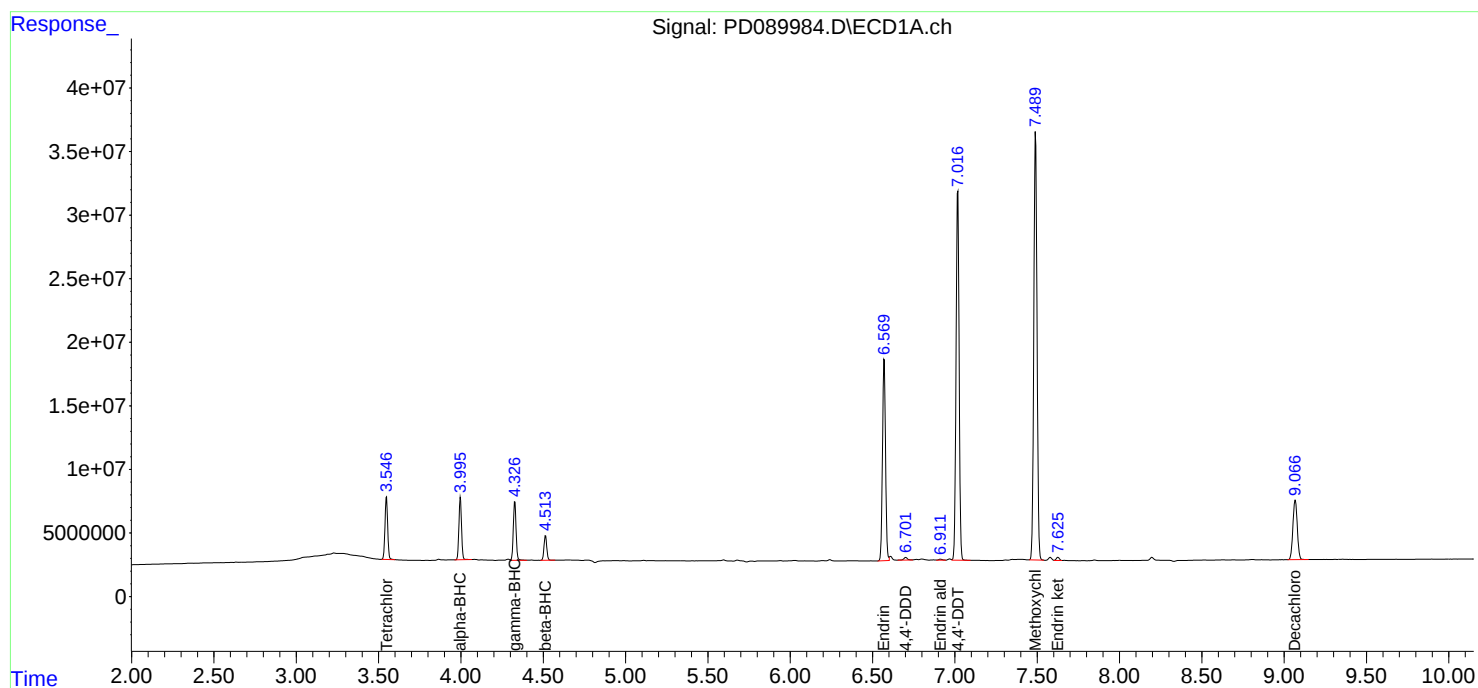
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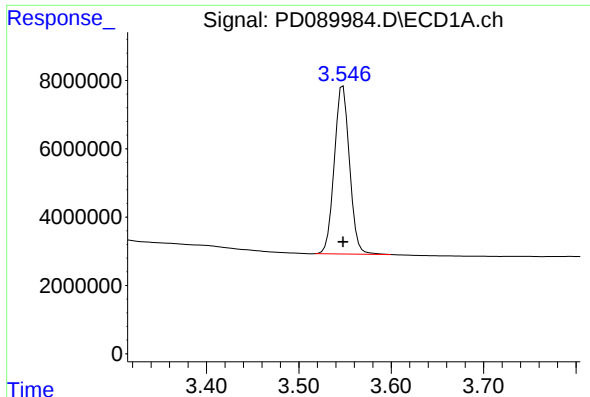
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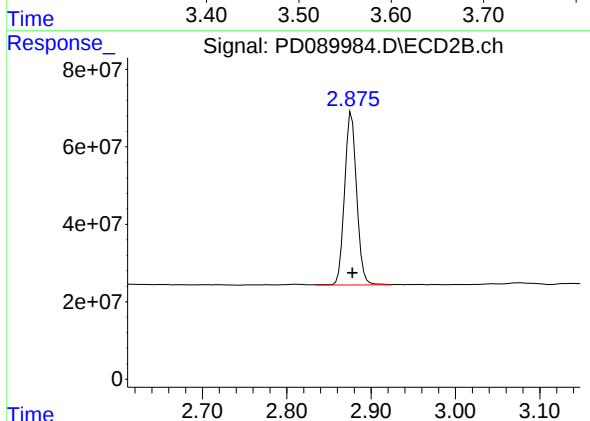
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 56319153
Conc: 19.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

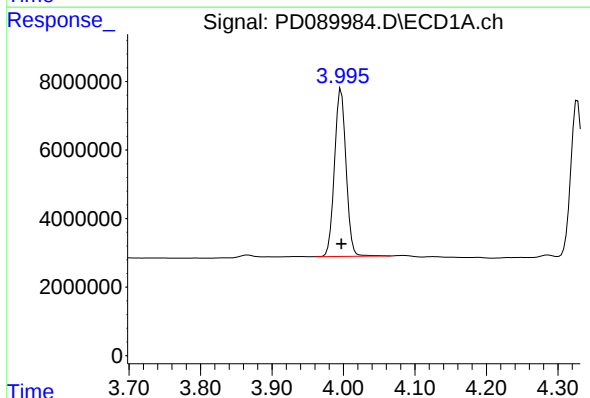
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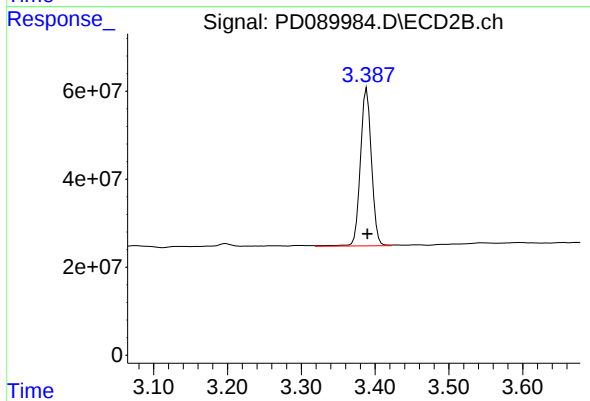
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.001 min
Response: 443663201
Conc: 20.12 ng/ml



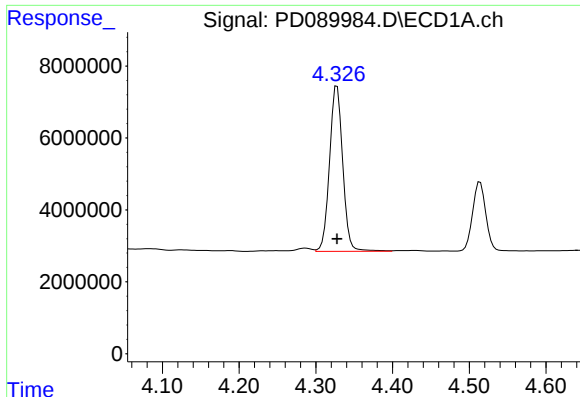
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 54803531
Conc: 9.13 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 372452044
Conc: 10.97 ng/ml



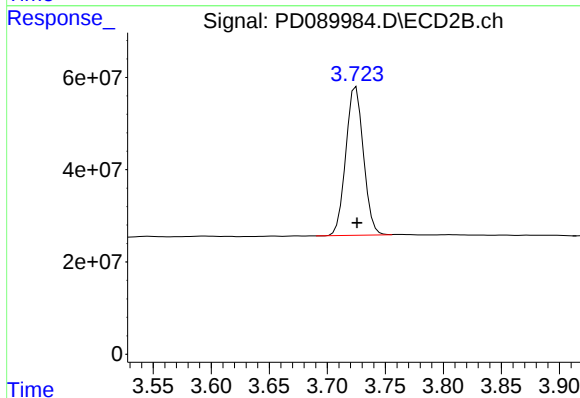
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 54942357
Conc: 9.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

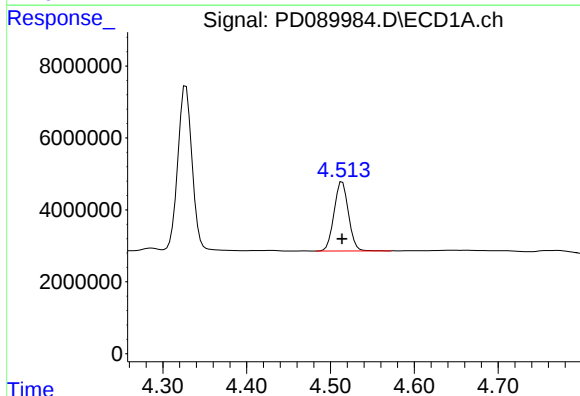
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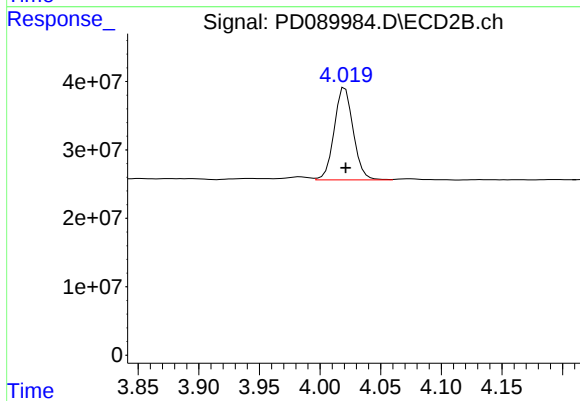
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 339483674
Conc: 10.89 ng/ml



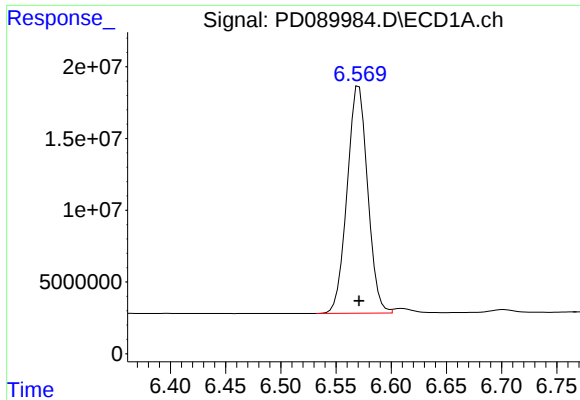
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 22844028
Conc: 10.18 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 146956569
Conc: 11.02 ng/ml



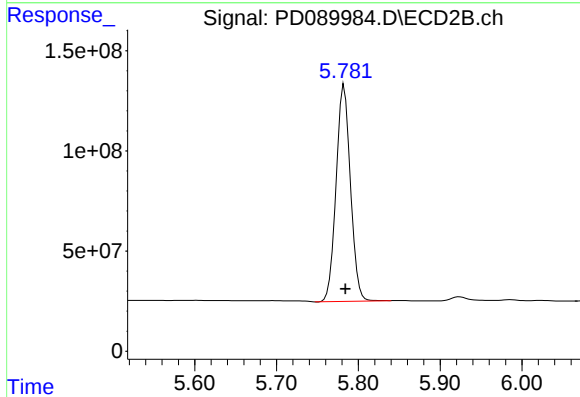
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 205056866
Conc: 49.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

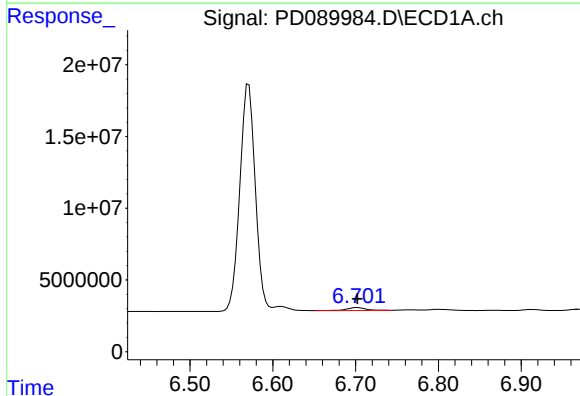
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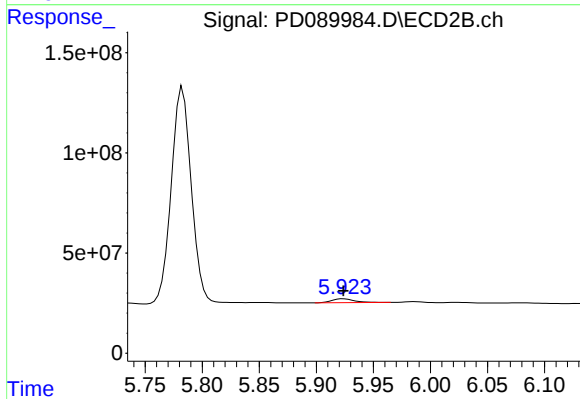
#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1315676670
Conc: 49.40 ng/ml



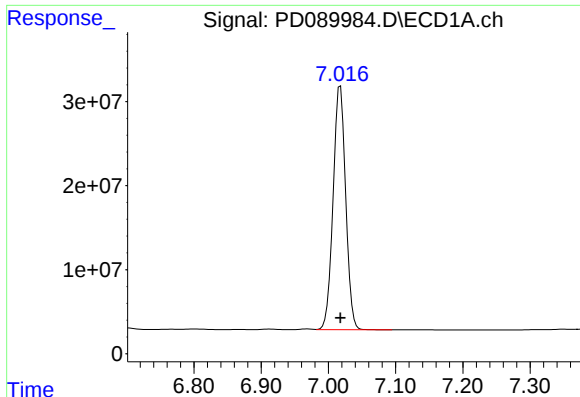
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 3488692
Conc: 1.01 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 27245337
Conc: 1.13 ng/ml



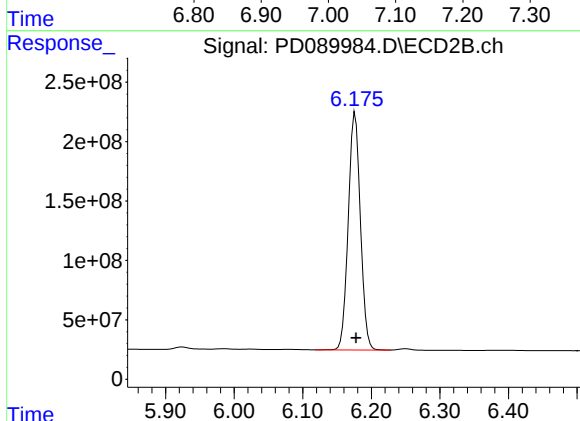
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 373611044
Conc: 98.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

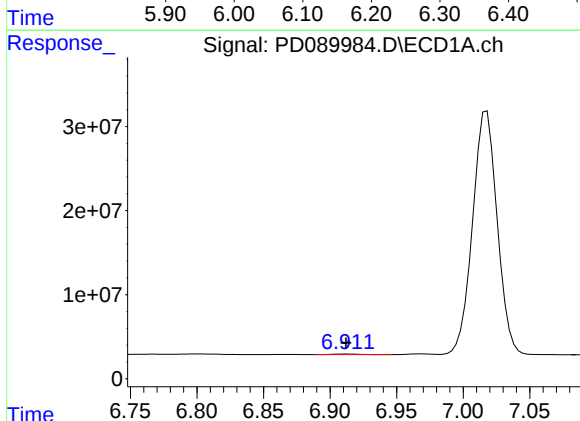
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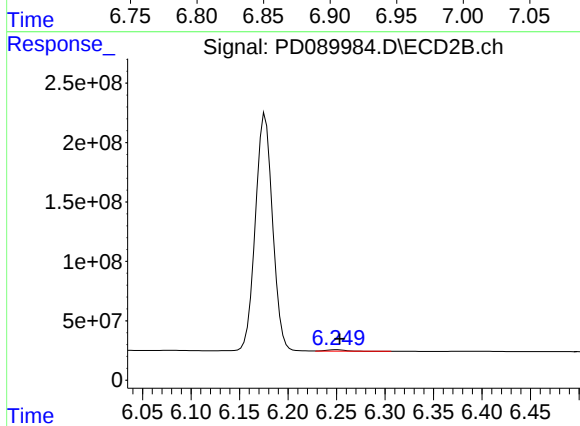
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.001 min
Response: 2460278541
Conc: 98.14 ng/ml



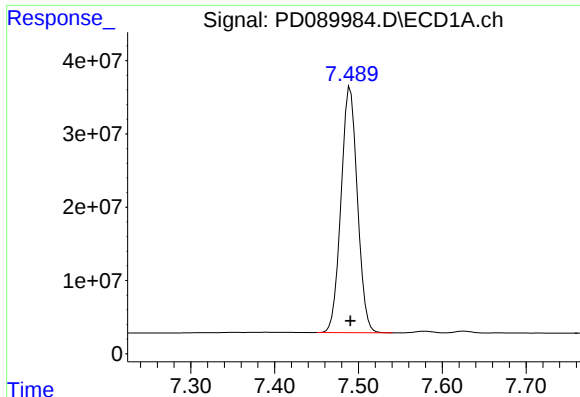
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 1107762
Conc: 0.39 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.003 min
Response: 14983472
Conc: 0.87 ng/ml



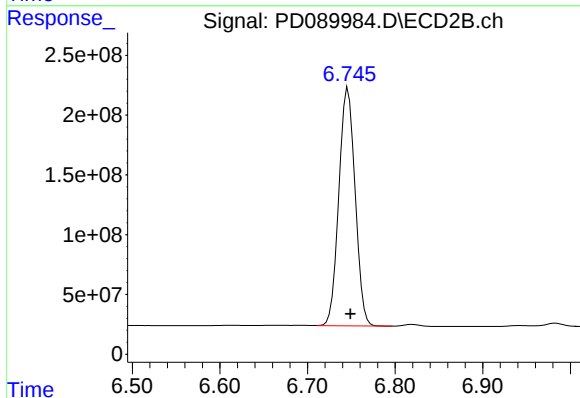
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 455485322
Conc: 227.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

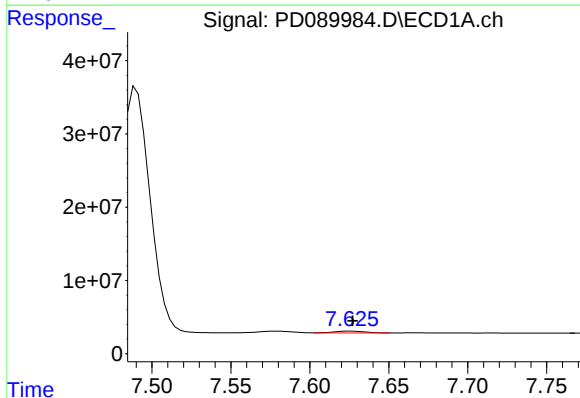
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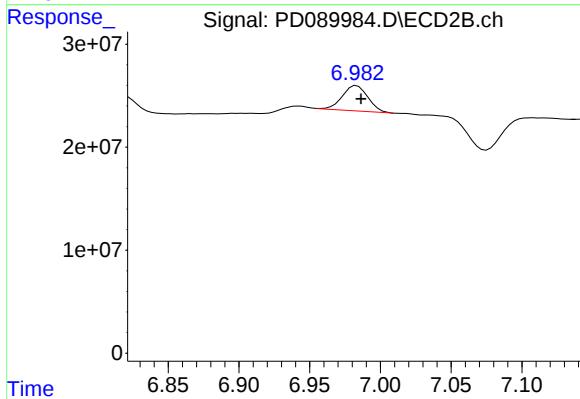
#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.003 min
Response: 2571435825
Conc: 199.40 ng/ml



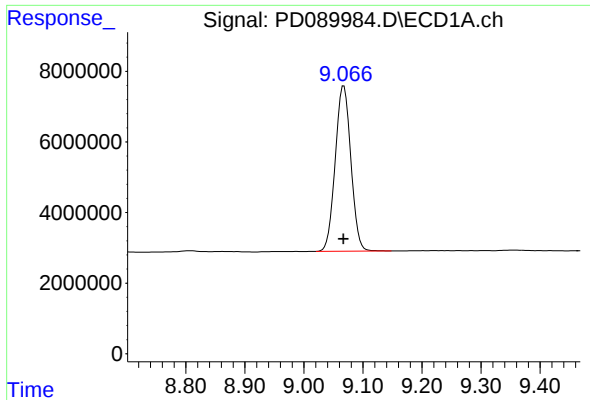
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 3303520
Conc: 0.80 ng/ml m



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.004 min
Response: 30735783
Conc: 1.15 ng/ml m



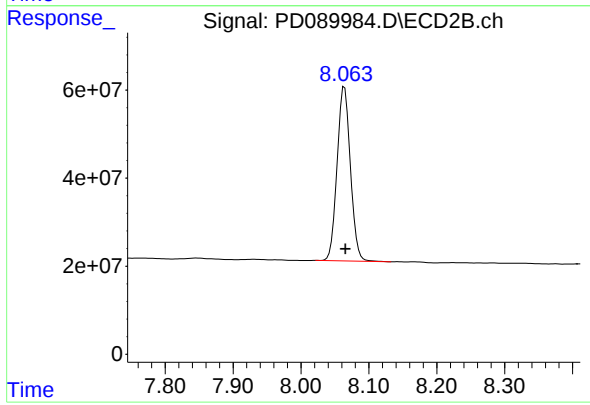
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 86173238
Conc: 19.97 ng/ml

Instrument :
ECD_D
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PEM

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#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 540551866
Conc: 20.88 ng/ml