

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
 Data File : PD089118.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Jun 2025 09:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/26/2025
 Supervised By : mohammad ahmed 06/27/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 26 02:13:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.551	2.881	57498594	359.2E6	20.153	21.191
28)	SA Decachlor...	9.073	8.072	79906014	418.8E6	20.345	21.185
Target Compounds							
2)	A alpha-BHC	3.999	3.393	54444241	292.6E6	9.340	10.921
3)	MA gamma-BHC...	4.330	3.729	54077802	272.1E6	9.688	10.990
6)	B beta-BHC	4.516	4.025	22758391	118.7E6	10.311	11.043
12)	B 4,4'-DDE	6.194	5.375	710034	2742978	0.163m	0.120m#
14)	MA Endrin	6.574	5.789	196.7E6	1011.7E6	47.681	46.594
16)	A 4,4'-DDD	6.705	5.930	8524923	53568360	2.484	2.800
17)	MA 4,4'-DDT	7.021	6.183	347.9E6	1816.3E6	91.829	89.565
18)	B Endrin al...	6.916	6.257	2181345	17520327	0.712	1.144 #
20)	A Methoxychlor	7.493	6.753	418.4E6	1888.5E6	207.080	175.378
21)	B Endrin ke...	7.630	6.990	5281977	45982245	1.297	2.129 #

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

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Acq On : 25 Jun 2025 09:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

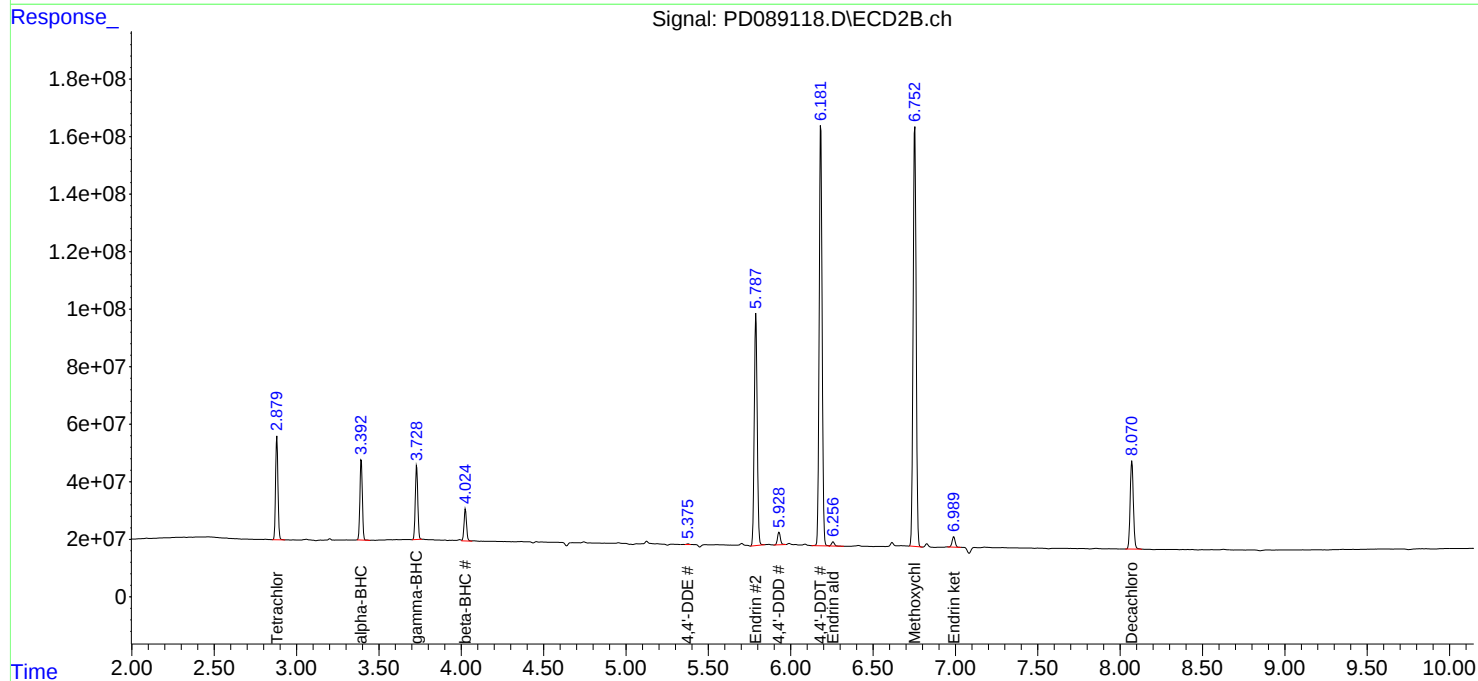
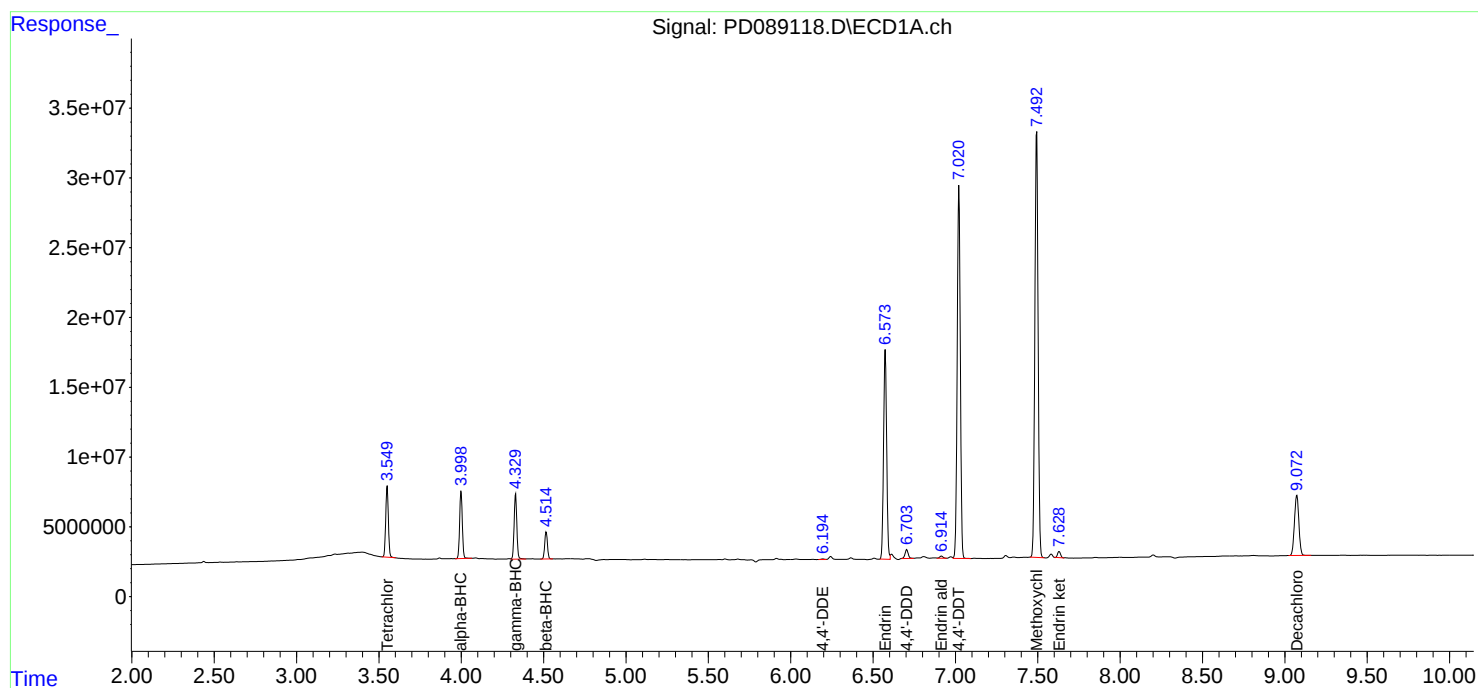
Instrument :
ECD_D
ClientSampleId :
PEM

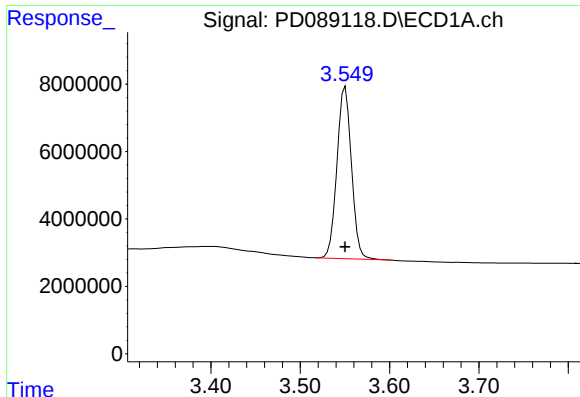
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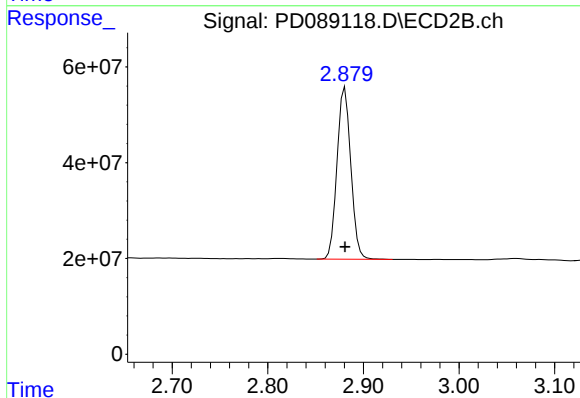
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 57498594
Conc: 20.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

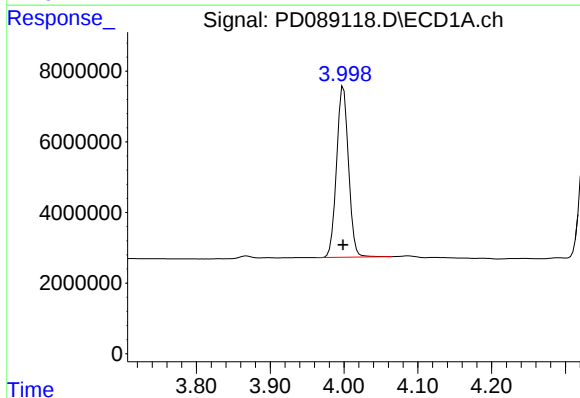
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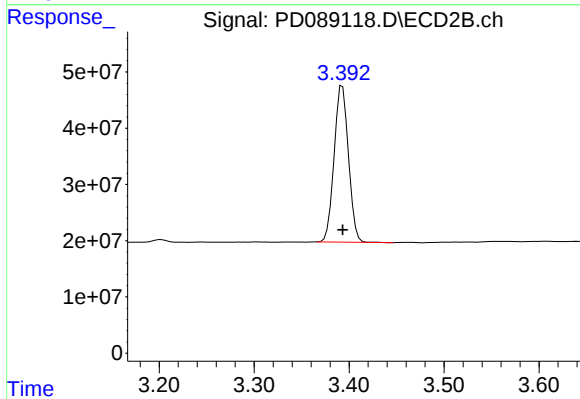
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 359246334
Conc: 21.19 ng/ml



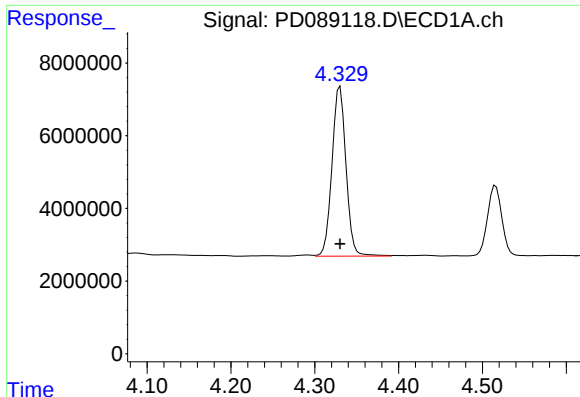
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 54444241
Conc: 9.34 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 292644938
Conc: 10.92 ng/ml



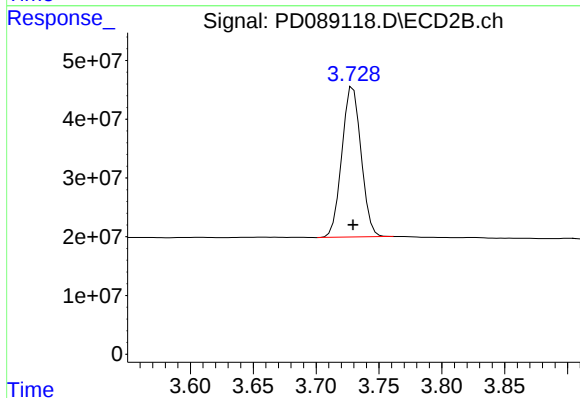
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 54077802
Conc: 9.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

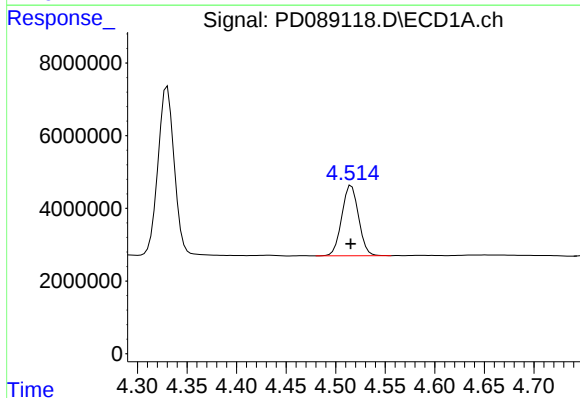
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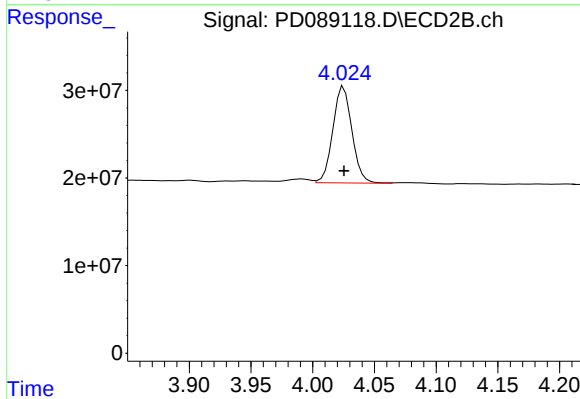
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 272084160
Conc: 10.99 ng/ml



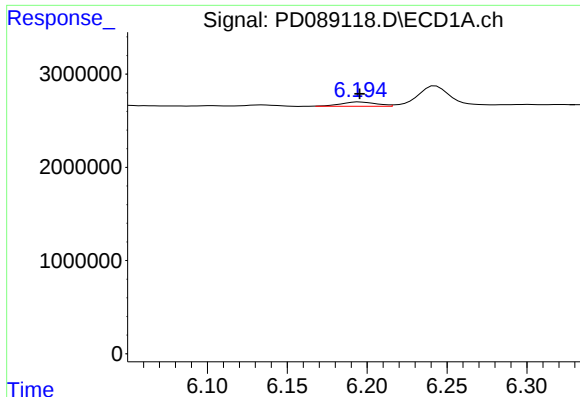
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 22758391
Conc: 10.31 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 118675205
Conc: 11.04 ng/ml



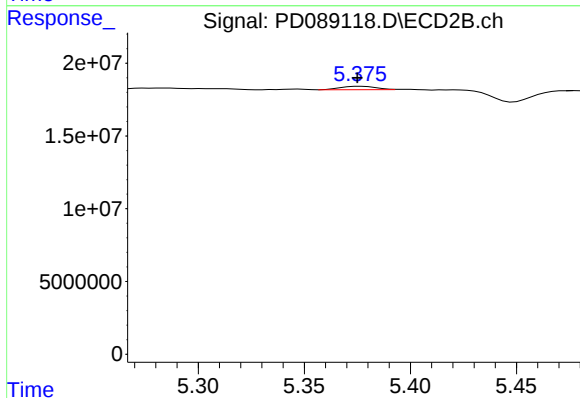
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.001 min
Response: 710034
Conc: 0.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#12 4,4'-DDE

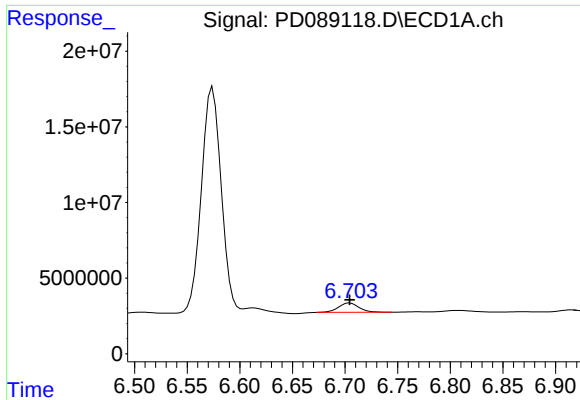
R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 2742978
Conc: 0.12 ng/ml m

#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 196713867
Conc: 47.68 ng/ml

#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1011741574
Conc: 46.59 ng/ml



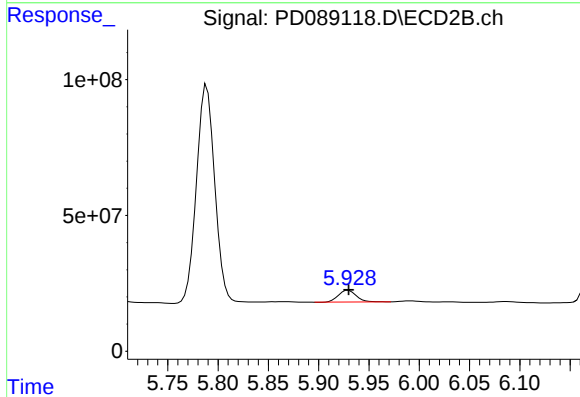
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 8524923
Conc: 2.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

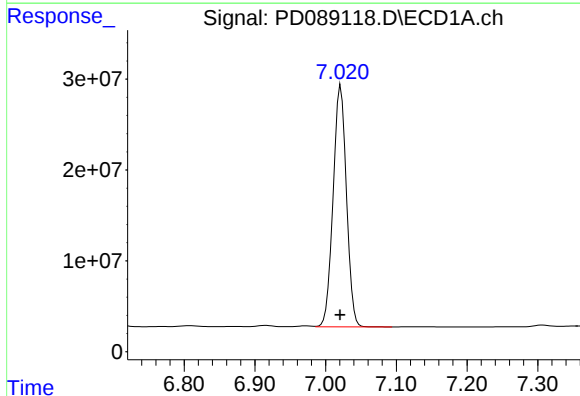
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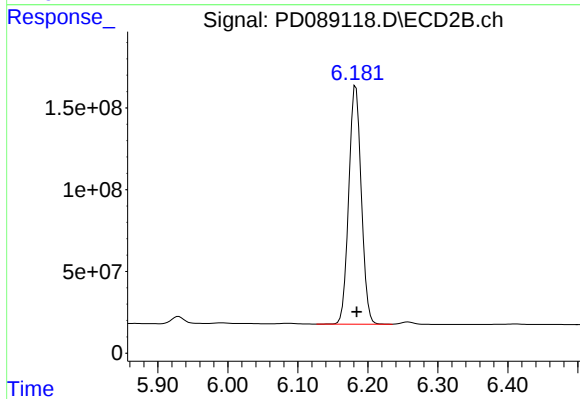
#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 53568360
Conc: 2.80 ng/ml



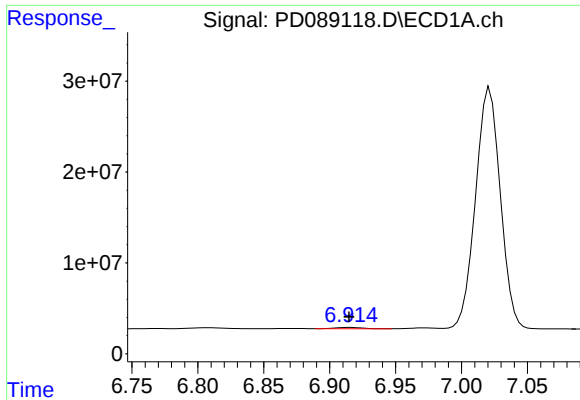
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 347867968
Conc: 91.83 ng/ml



#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 1816311180
Conc: 89.56 ng/ml



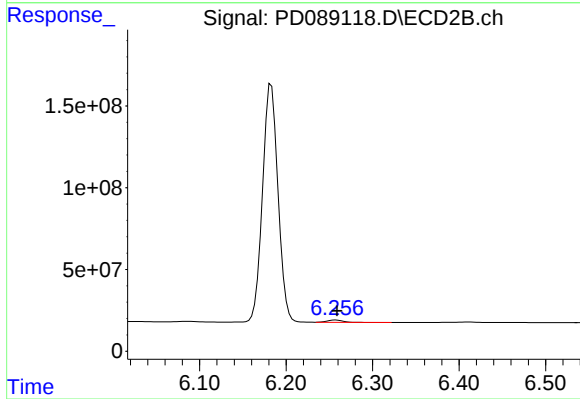
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 2181345
Conc: 0.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

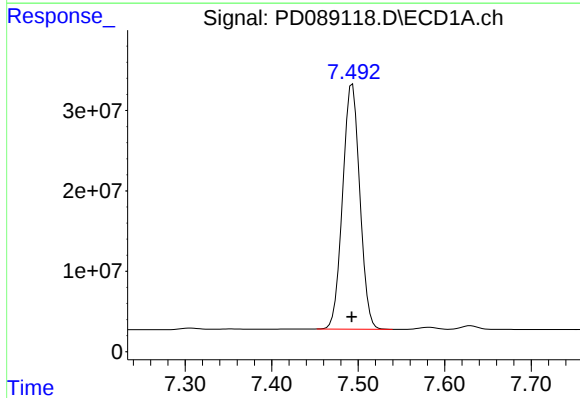
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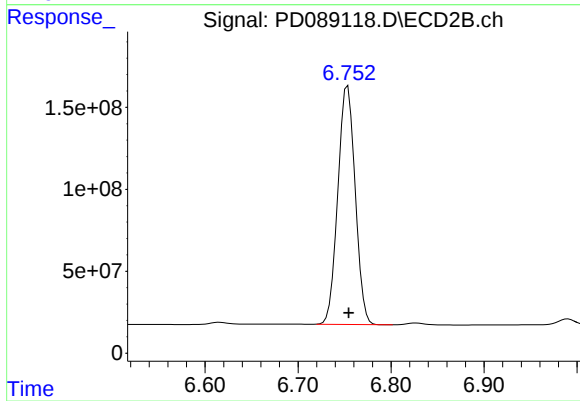
#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 17520327
Conc: 1.14 ng/ml



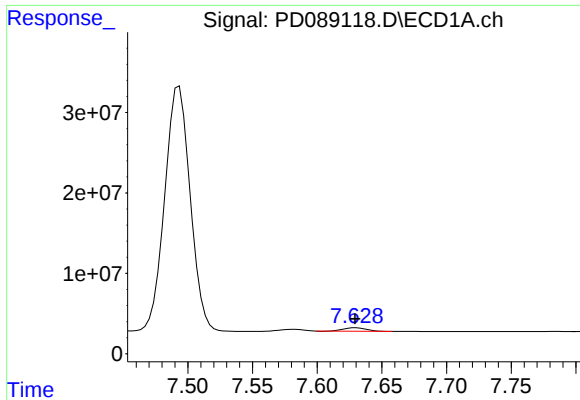
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 418430697
Conc: 207.08 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 1888480494
Conc: 175.38 ng/ml



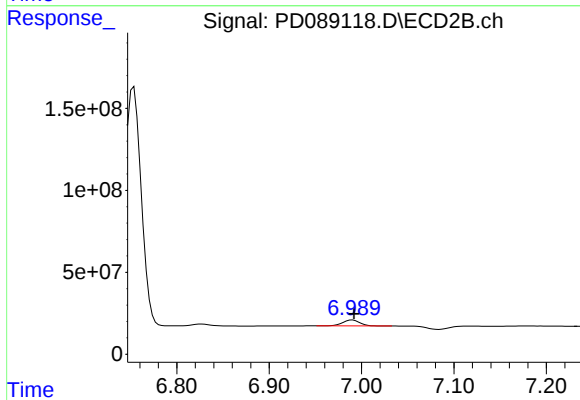
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 5281977
Conc: 1.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

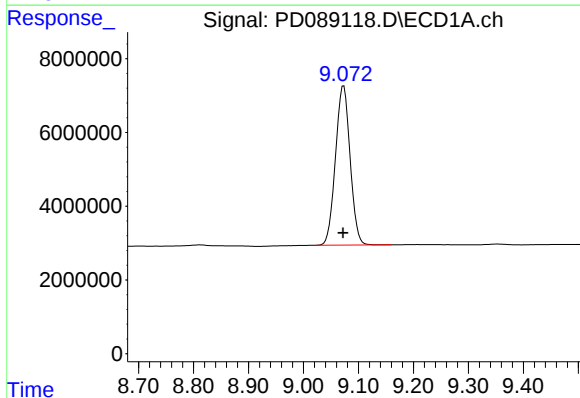
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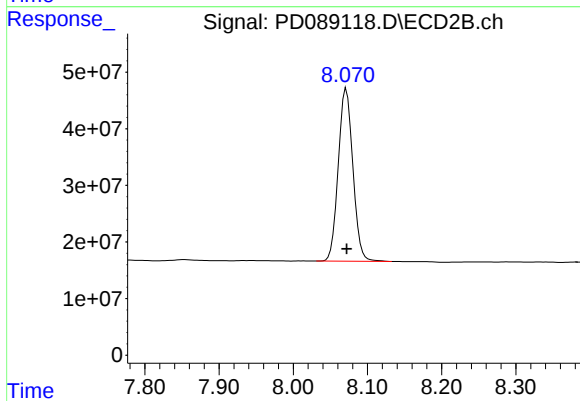
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 45982245
Conc: 2.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 79906014
Conc: 20.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 418831539
Conc: 21.19 ng/ml