

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089213.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 00:00
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 00:24:51 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...	3.549	2.881	62047736	388.9E6	21.747	22.940
28)	SA Decachlor...	9.069	8.070	83404360	433.7E6	21.235	21.938
Target Compounds							
2)	A alpha-BHC	3.998	3.392	57674883	315.2E6	9.894	11.763
3)	MA gamma-BHC...	4.329	3.729	58458397	292.0E6	10.473	11.793
6)	B beta-BHC	4.515	4.024	24376752	112.6E6	11.045	10.482
12)	B 4,4'-DDE	6.190	5.373	851080	6383342	0.195	0.279m#
14)	MA Endrin	6.571	5.788	209.6E6	1188.5E6	50.808m	54.736
16)	A 4,4'-DDD	6.703	5.928	30542130	170.9E6	8.899	8.935
17)	MA 4,4'-DDT	7.019	6.182	317.5E6	1713.6E6	83.803	84.501
18)	B Endrin al...	6.914	6.256	3083231	21761770	1.006	1.421 #
20)	A Methoxychlor	7.491	6.752	388.8E6	1856.0E6	192.421	172.364
21)	B Endrin ke...	7.628	6.989	9800168	66411803	2.406	3.074 #

(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

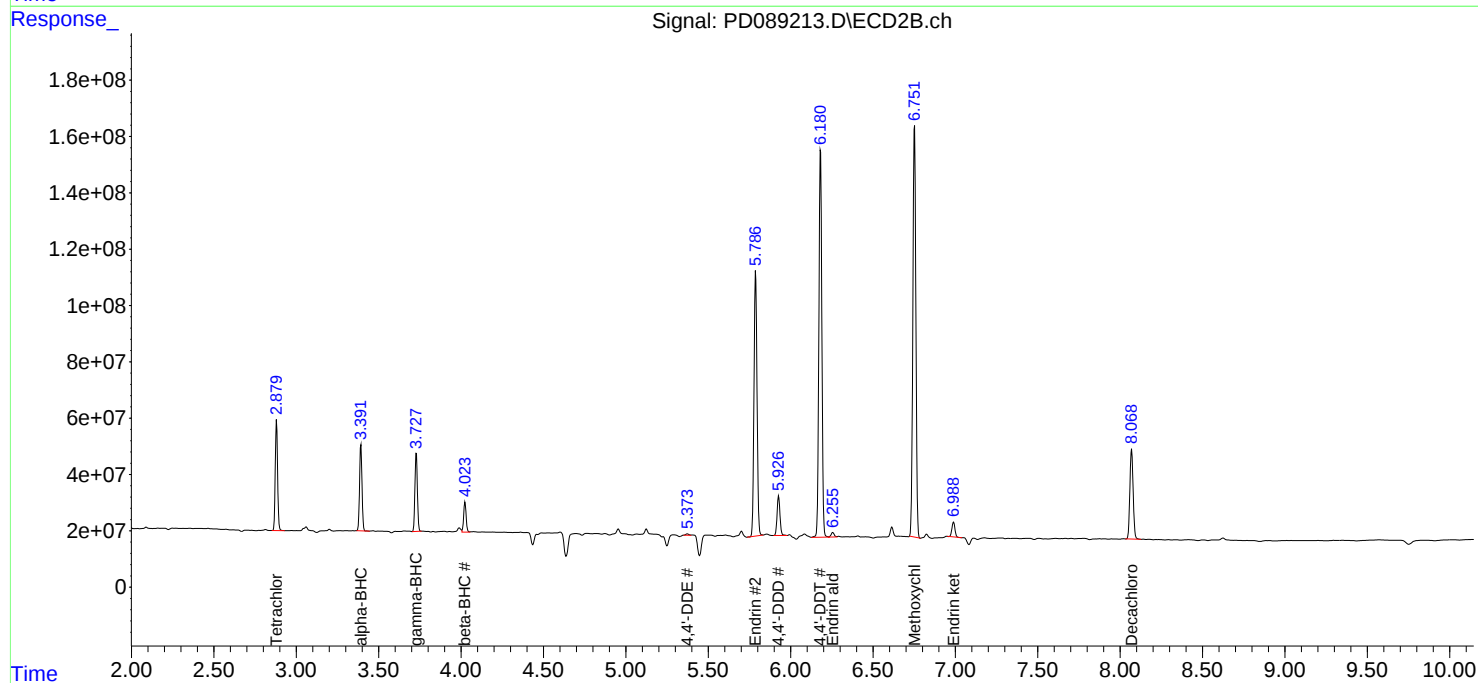
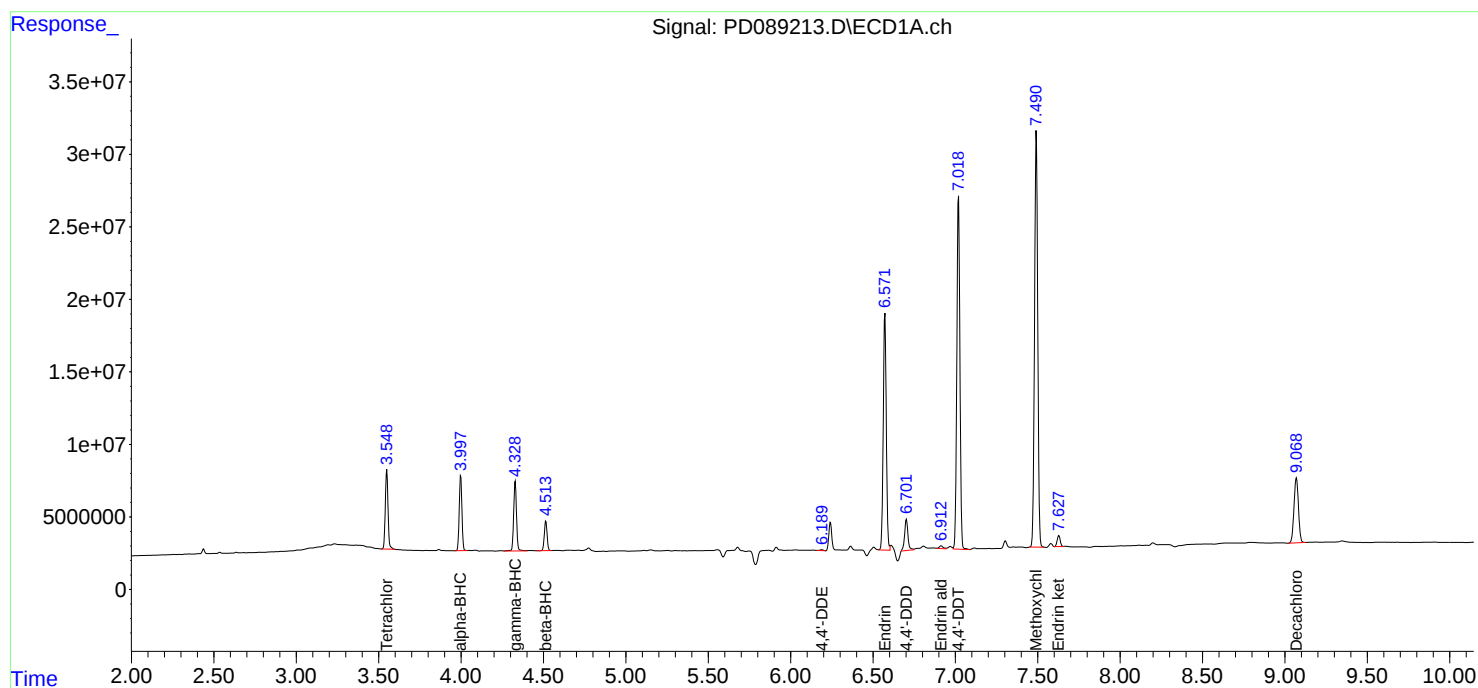
Instrument :
ECD_D
ClientSampleId :
PEM

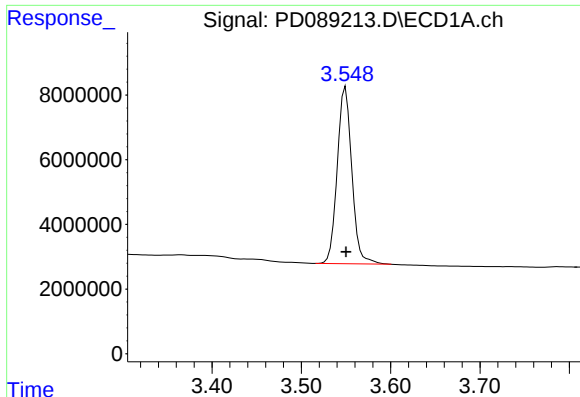
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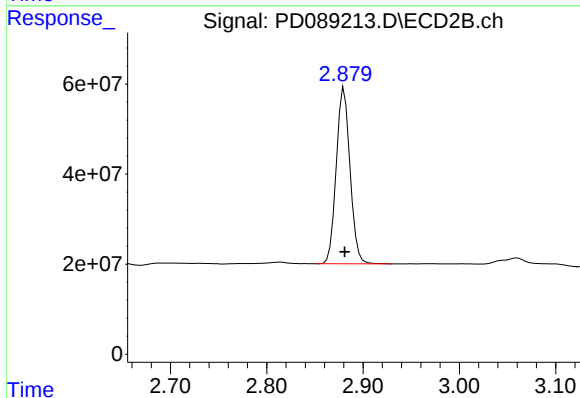
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 62047736
Conc: 21.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

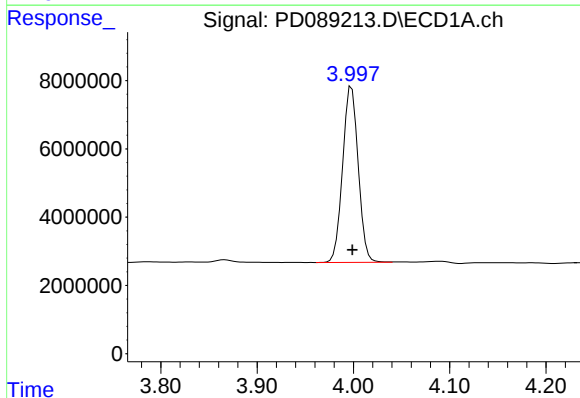
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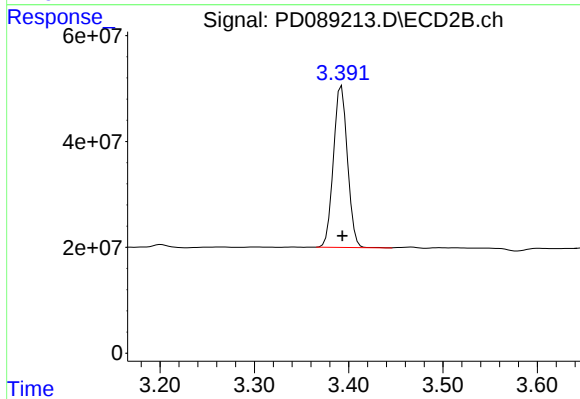
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 388911760
Conc: 22.94 ng/ml



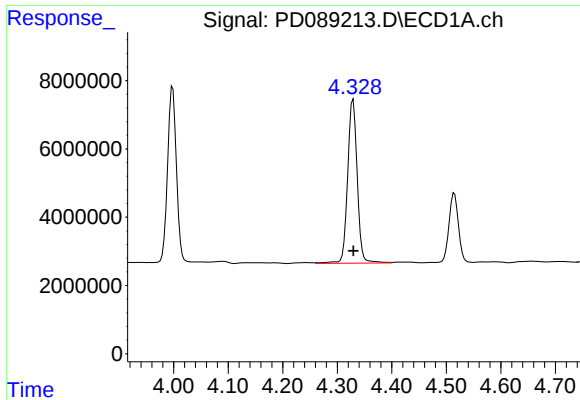
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 57674883
Conc: 9.89 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 315226842
Conc: 11.76 ng/ml



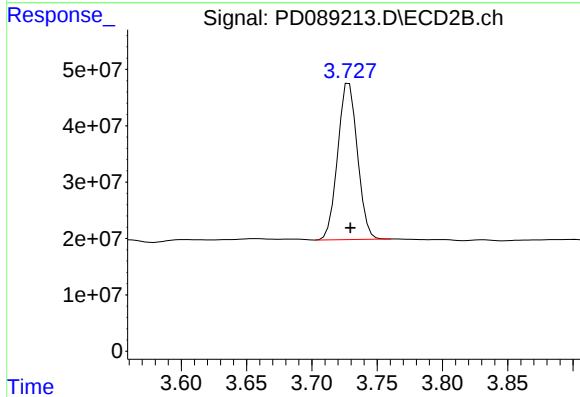
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 58458397
Conc: 10.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

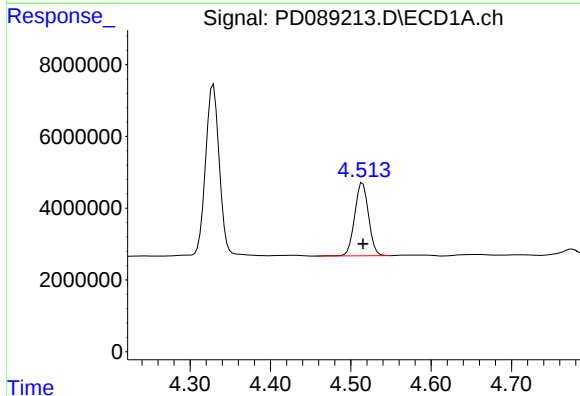
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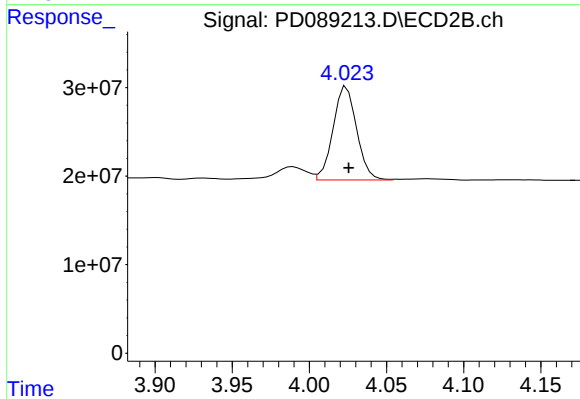
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 291959729
Conc: 11.79 ng/ml



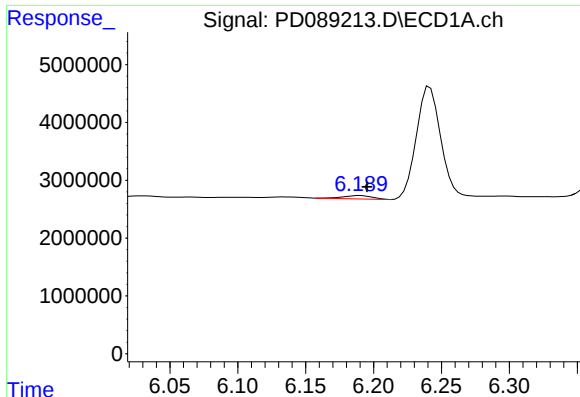
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 24376752
Conc: 11.04 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 112639041
Conc: 10.48 ng/ml



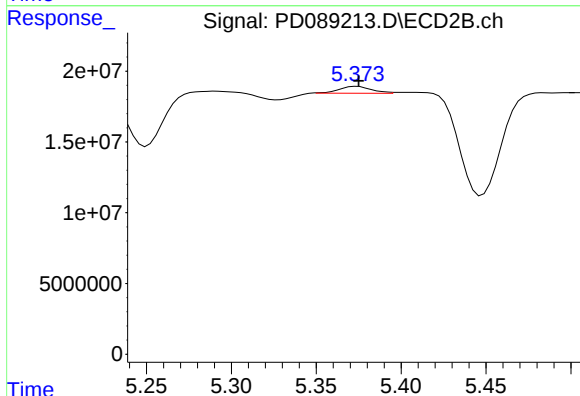
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.005 min
Response: 851080
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

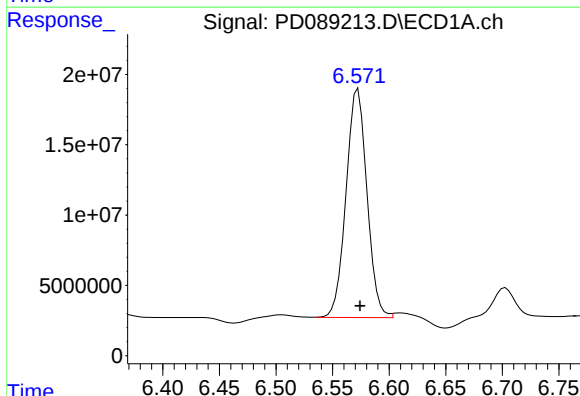
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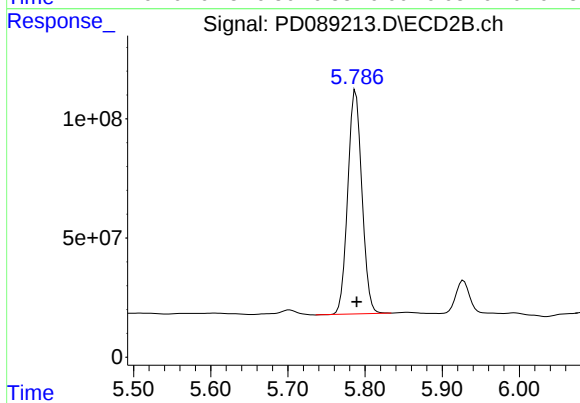
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 6383342
Conc: 0.28 ng/ml m



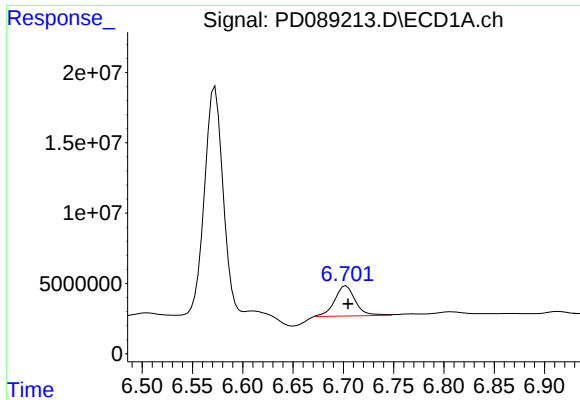
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 209611522
Conc: 50.81 ng/ml m



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1188537916
Conc: 54.74 ng/ml



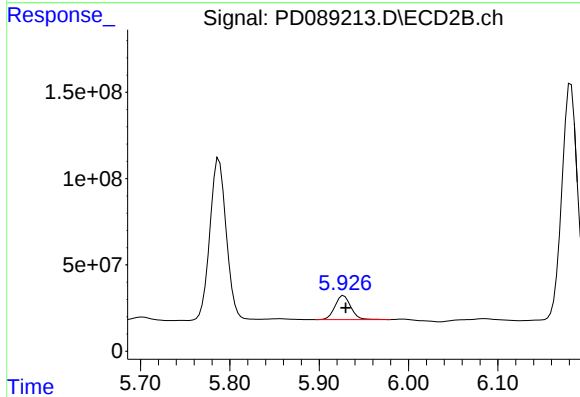
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.002 min
Response: 30542130
Conc: 8.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

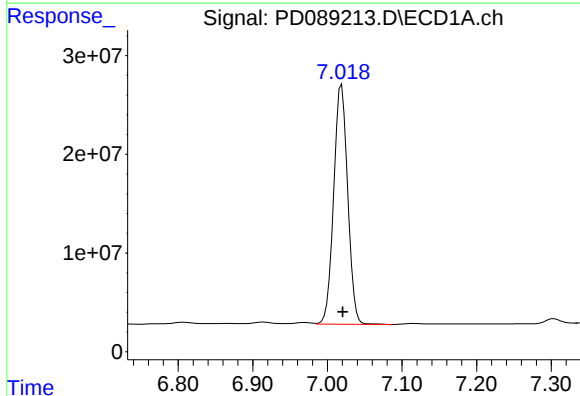
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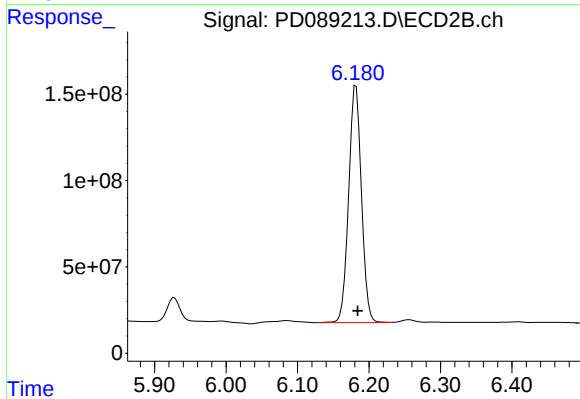
#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 170916443
Conc: 8.93 ng/ml



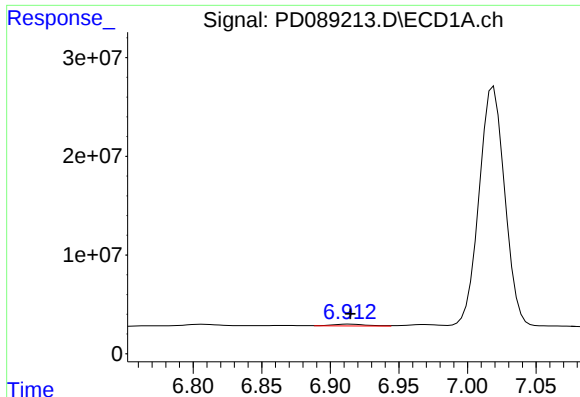
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 317463645
Conc: 83.80 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1713624362
Conc: 84.50 ng/ml



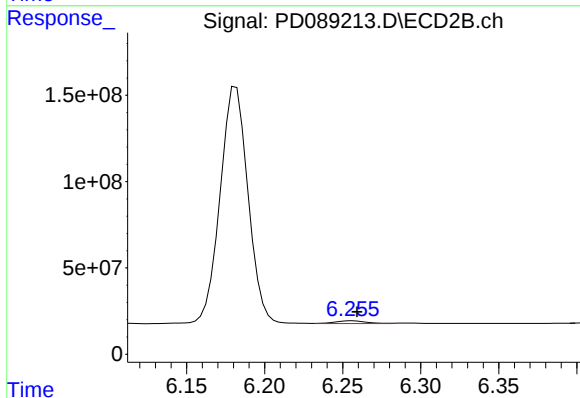
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.001 min
Response: 3083231
Conc: 1.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

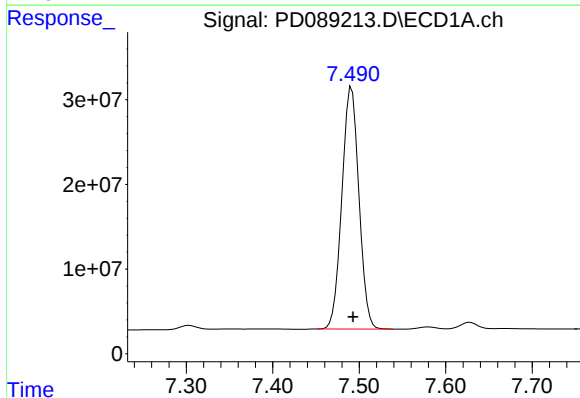
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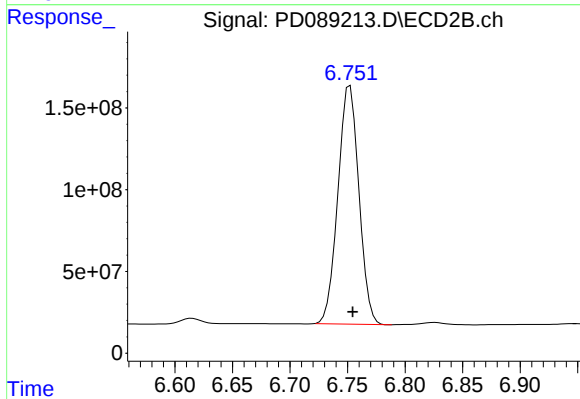
#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 21761770
Conc: 1.42 ng/ml



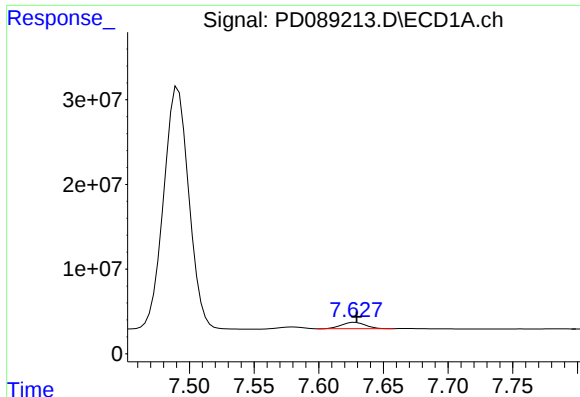
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 388811660
Conc: 192.42 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 1856024589
Conc: 172.36 ng/ml



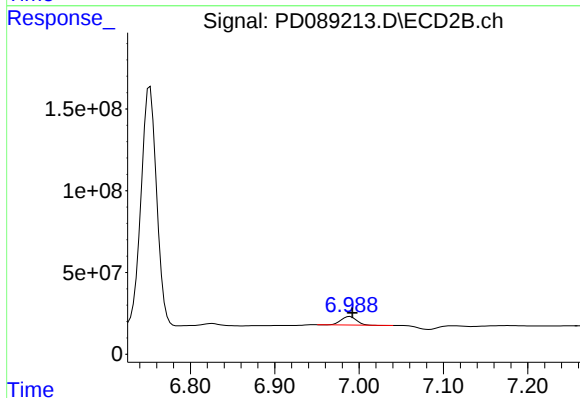
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.001 min
Response: 9800168
Conc: 2.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

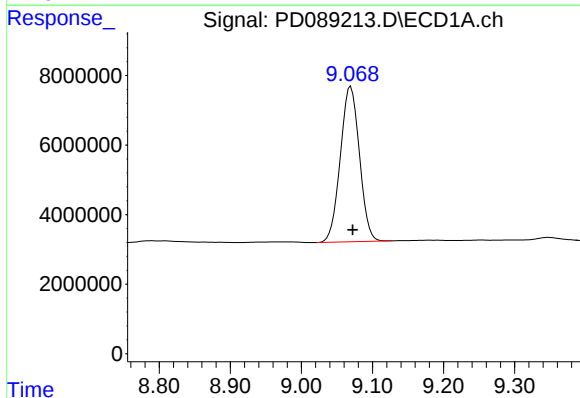
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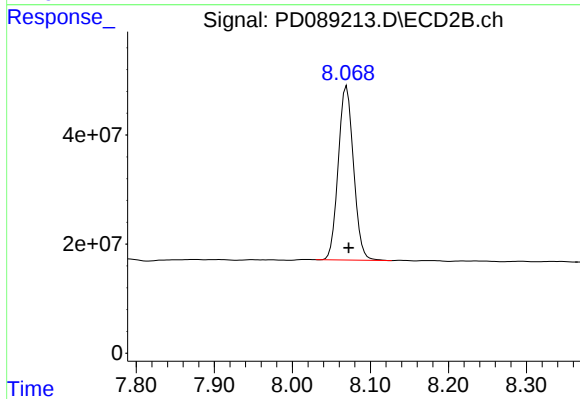
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 66411803
Conc: 3.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: -0.002 min
Response: 83404360
Conc: 21.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.003 min
Response: 433722196
Conc: 21.94 ng/ml