

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062525\
 Data File : PD089145.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Jun 2025 19:02
 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 02:14:50 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...	3.550	2.881	57472083	354.3E6	20.144	20.898
28)	SA Decachlor...	9.071	8.072	80339028	401.0E6	20.455	20.282
Target Compounds							
2)	A alpha-BHC	3.999	3.393	53967517	288.6E6	9.258	10.769
3)	MA gamma-BHC...	4.330	3.729	54244373	268.5E6	9.718	10.845
6)	B beta-BHC	4.515	4.025	22520746	115.9E6	10.204	10.781
12)	B 4,4'-DDE	6.194	5.375	544401	2474288	0.125m	0.108m
14)	MA Endrin	6.574	5.789	197.9E6	1029.8E6	47.961	47.424
16)	A 4,4'-DDD	6.704	5.929	9330732	53976007	2.719	2.822
17)	MA 4,4'-DDT	7.021	6.183	345.8E6	1801.3E6	91.286	88.825
18)	B Endrin al...	6.916	6.257	2455530	16630266	0.801	1.086 #
20)	A Methoxychlor	7.492	6.754	417.1E6	1940.7E6	206.433	180.225
21)	B Endrin ke...	7.628	6.989	5791356	44459555	1.422m	2.058m#

(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

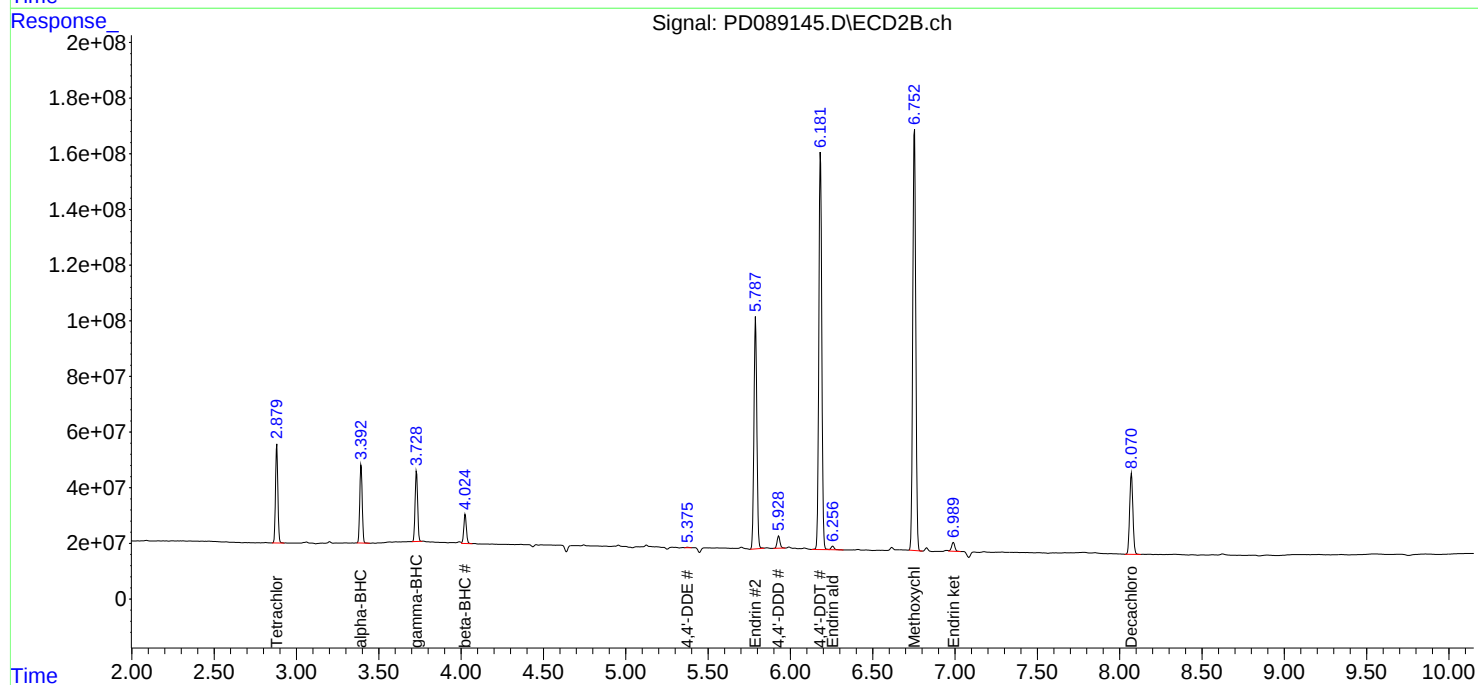
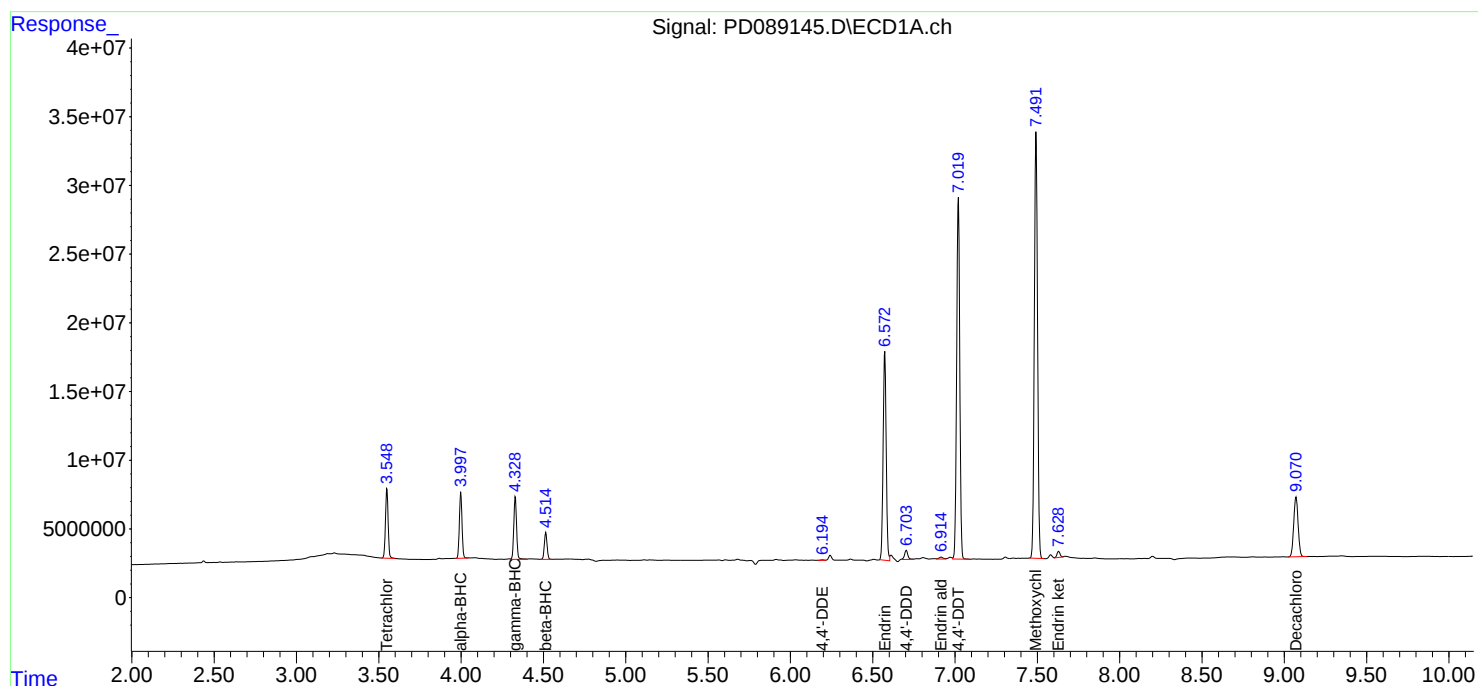
Instrument :
ECD_D
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PEM

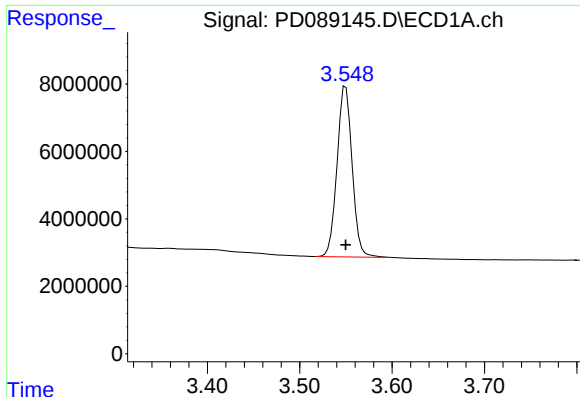
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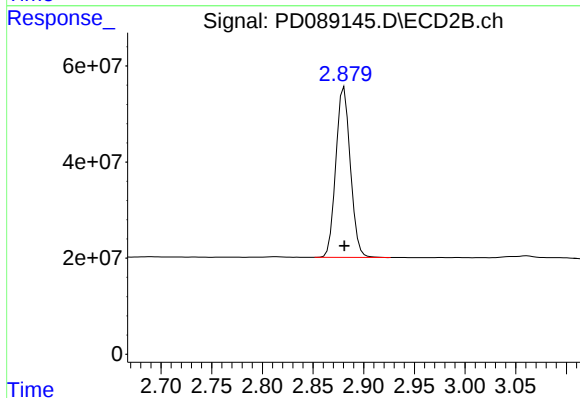
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 57472083
Conc: 20.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

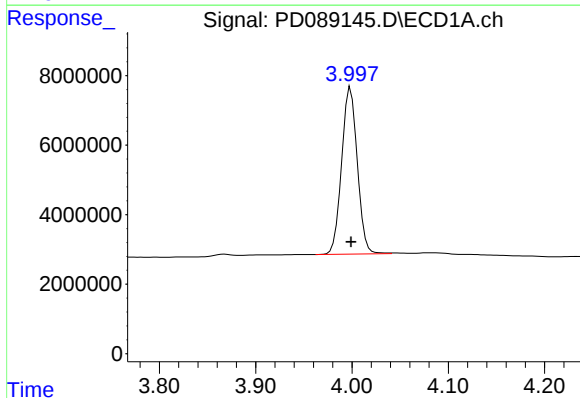
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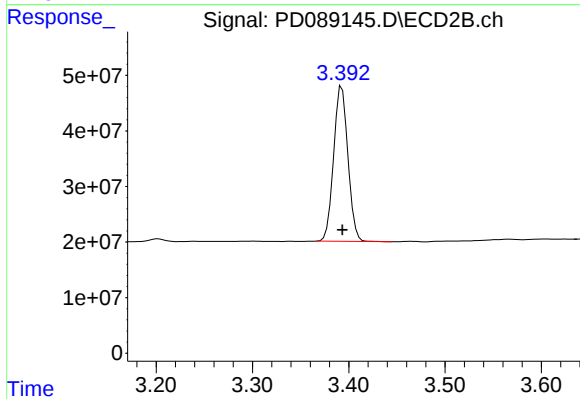
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 354295441
Conc: 20.90 ng/ml



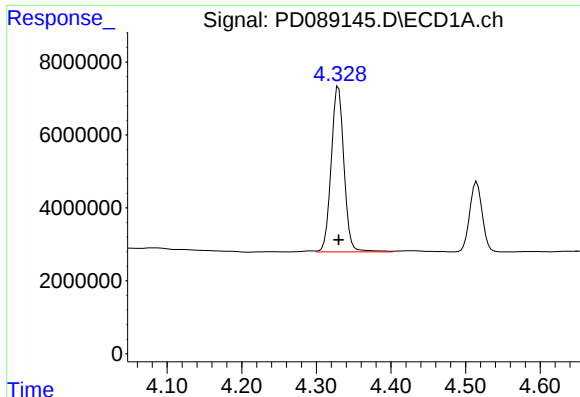
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 53967517
Conc: 9.26 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 288589610
Conc: 10.77 ng/ml



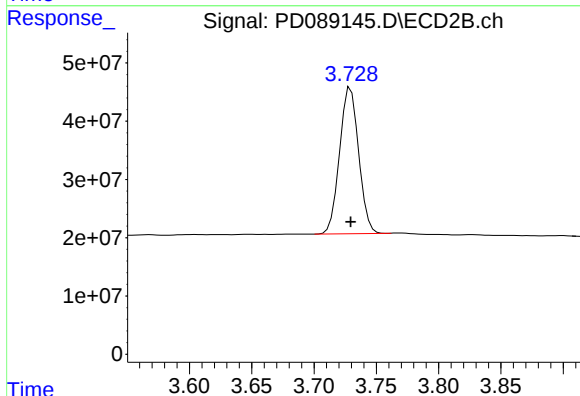
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 54244373
Conc: 9.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

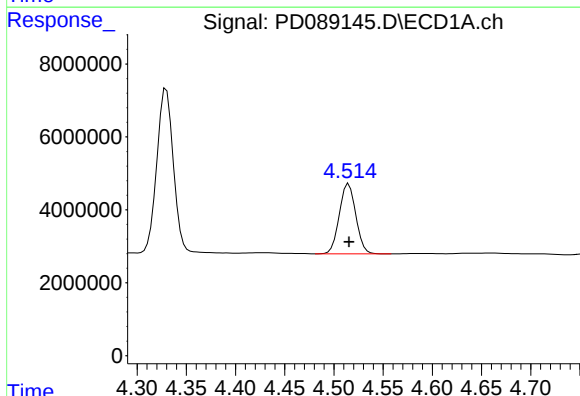
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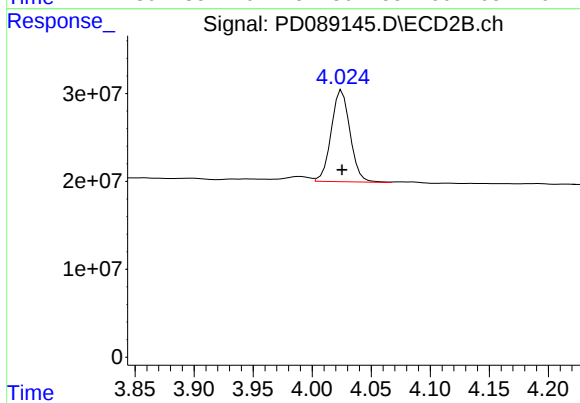
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 268481874
Conc: 10.84 ng/ml



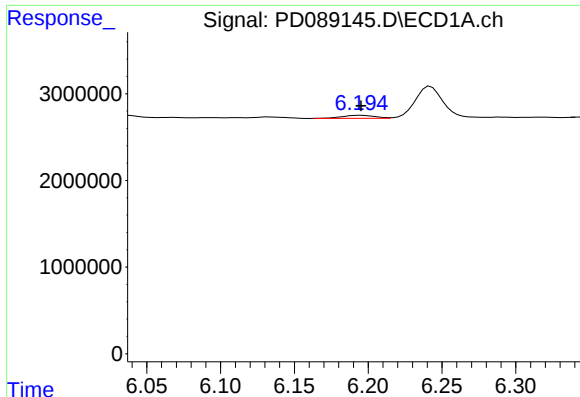
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 22520746
Conc: 10.20 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 115856093
Conc: 10.78 ng/ml



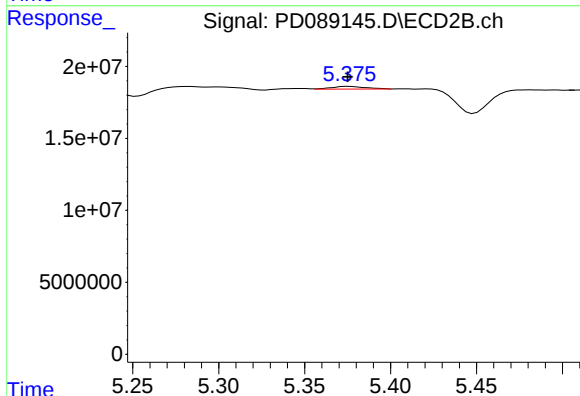
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.002 min
Response: 544401
Conc: 0.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

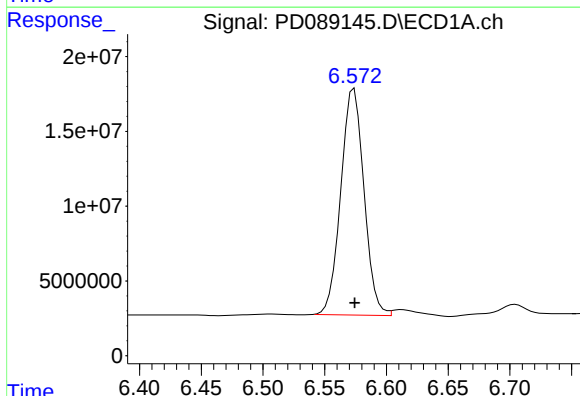
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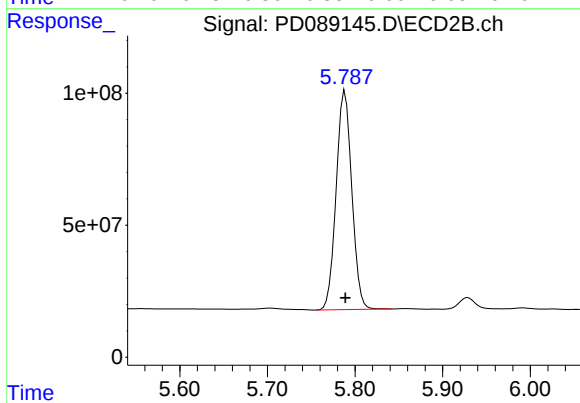
#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 2474288
Conc: 0.11 ng/ml m



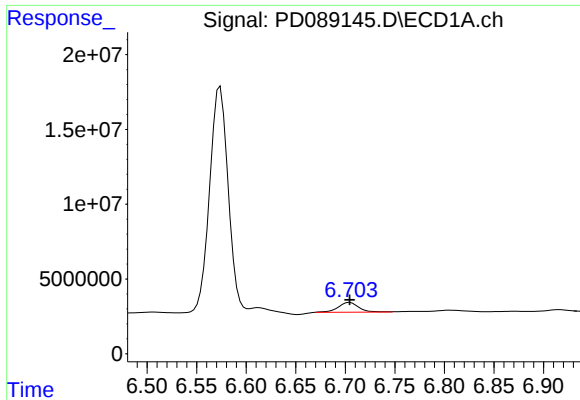
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 197869267
Conc: 47.96 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1029767260
Conc: 47.42 ng/ml



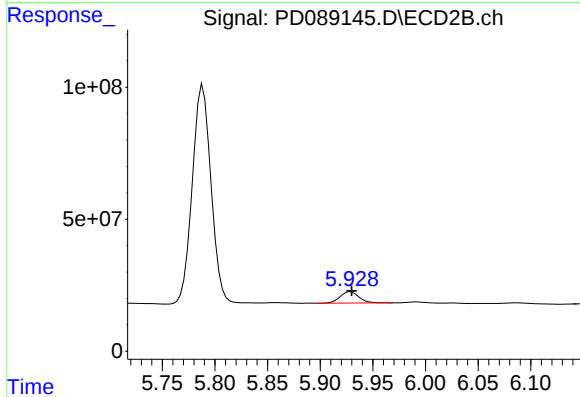
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 9330732
Conc: 2.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

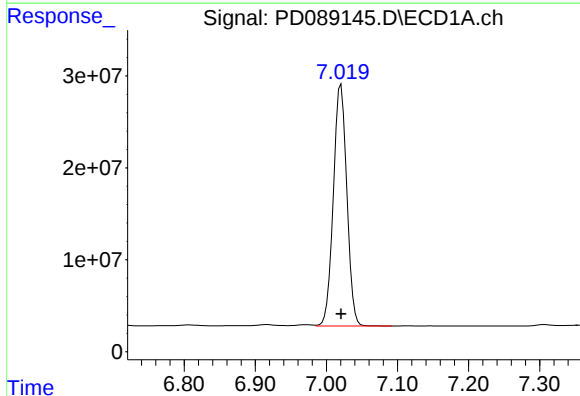
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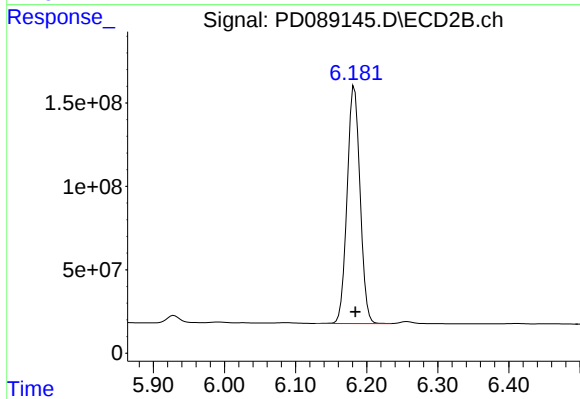
#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 53976007
Conc: 2.82 ng/ml



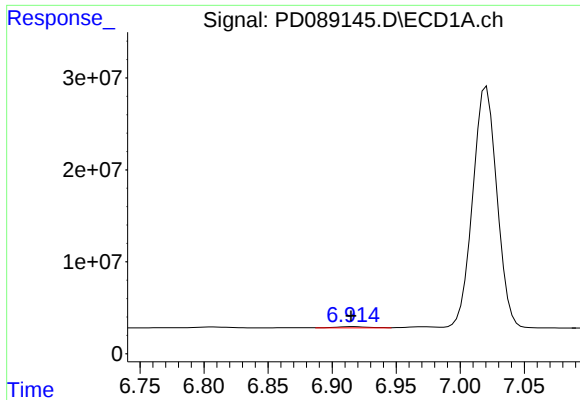
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 345811230
Conc: 91.29 ng/ml



#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 1801321787
Conc: 88.83 ng/ml



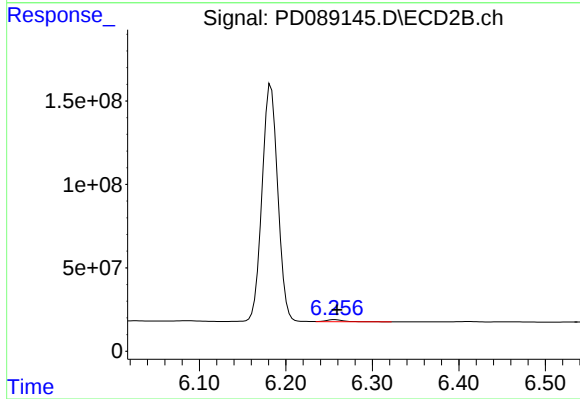
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 2455530
Conc: 0.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

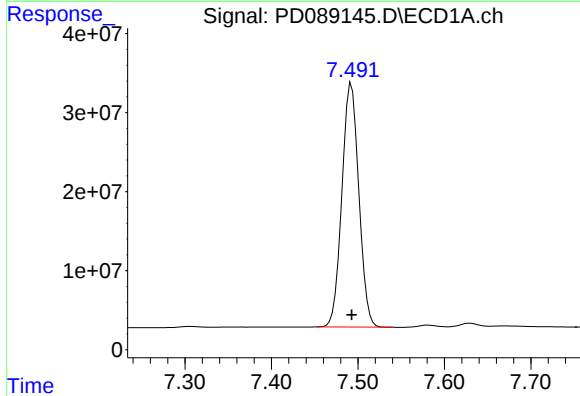
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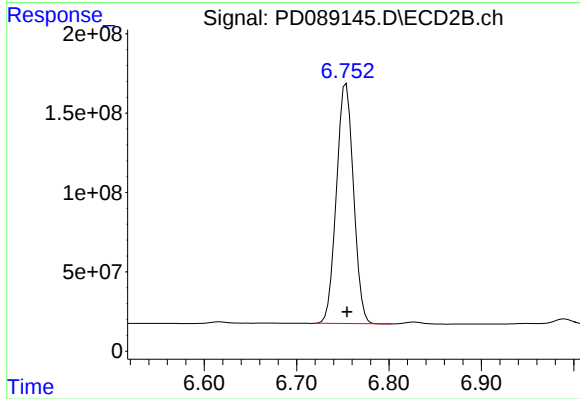
#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 16630266
Conc: 1.09 ng/ml



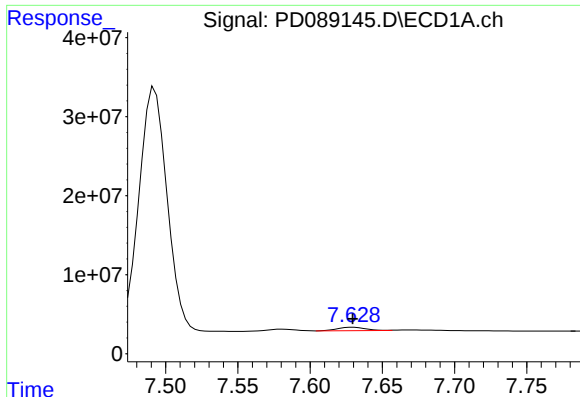
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 417124816
Conc: 206.43 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 1940671897
Conc: 180.22 ng/ml



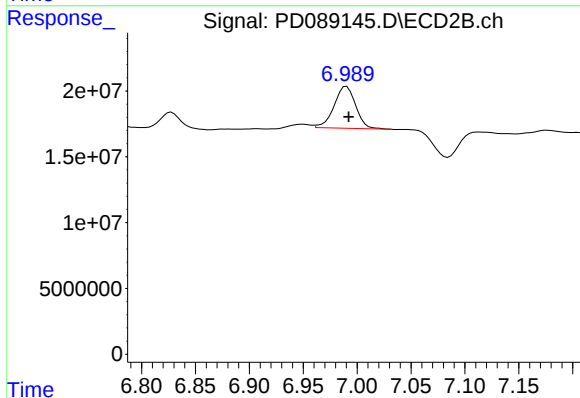
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 5791356
Conc: 1.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

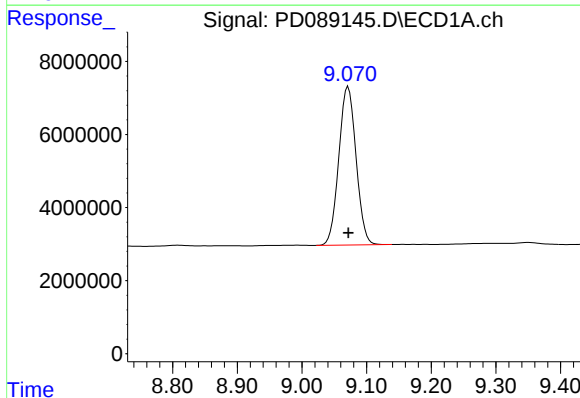
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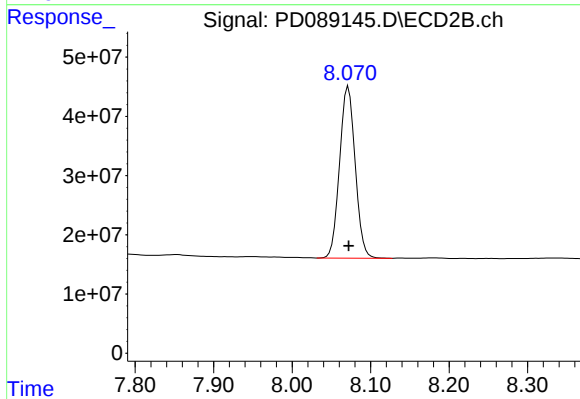
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 44459555
Conc: 2.06 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 80339028
Conc: 20.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 400980186
Conc: 20.28 ng/ml