

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062725\
 Data File : PD089175.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 03:11
 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 05:34:45 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	61547888	378.8E6	21.572	22.344
28)	SA Decachlor...	9.072	8.071	78160521	365.6E6	19.900	18.492
Target Compounds							
2)	A alpha-BHC	3.999	3.392	57939269	307.3E6	9.940	11.469
3)	MA gamma-BHC...	4.330	3.729	57987105	285.9E6	10.389	11.547
6)	B beta-BHC	4.516	4.024	24229573	116.9E6	10.978	10.876
12)	B 4,4'-DDE	6.192	5.373	439429	3463973	0.101m	0.151m#
14)	MA Endrin	6.572	5.788	204.2E6	1088.2E6	49.496m	50.115
16)	A 4,4'-DDD	6.703	5.928	10941189	69357535	3.188m	3.626
17)	MA 4,4'-DDT	7.021	6.182	343.0E6	1793.2E6	90.557	88.424
18)	B Endrin al...	6.915	6.257	1504605	16413848	0.491m	1.072 #
20)	A Methoxychlor	7.493	6.753	409.7E6	1853.3E6	202.747	172.114
21)	B Endrin ke...	7.628	6.990	5889068	37802725	1.446m	1.750

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

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Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

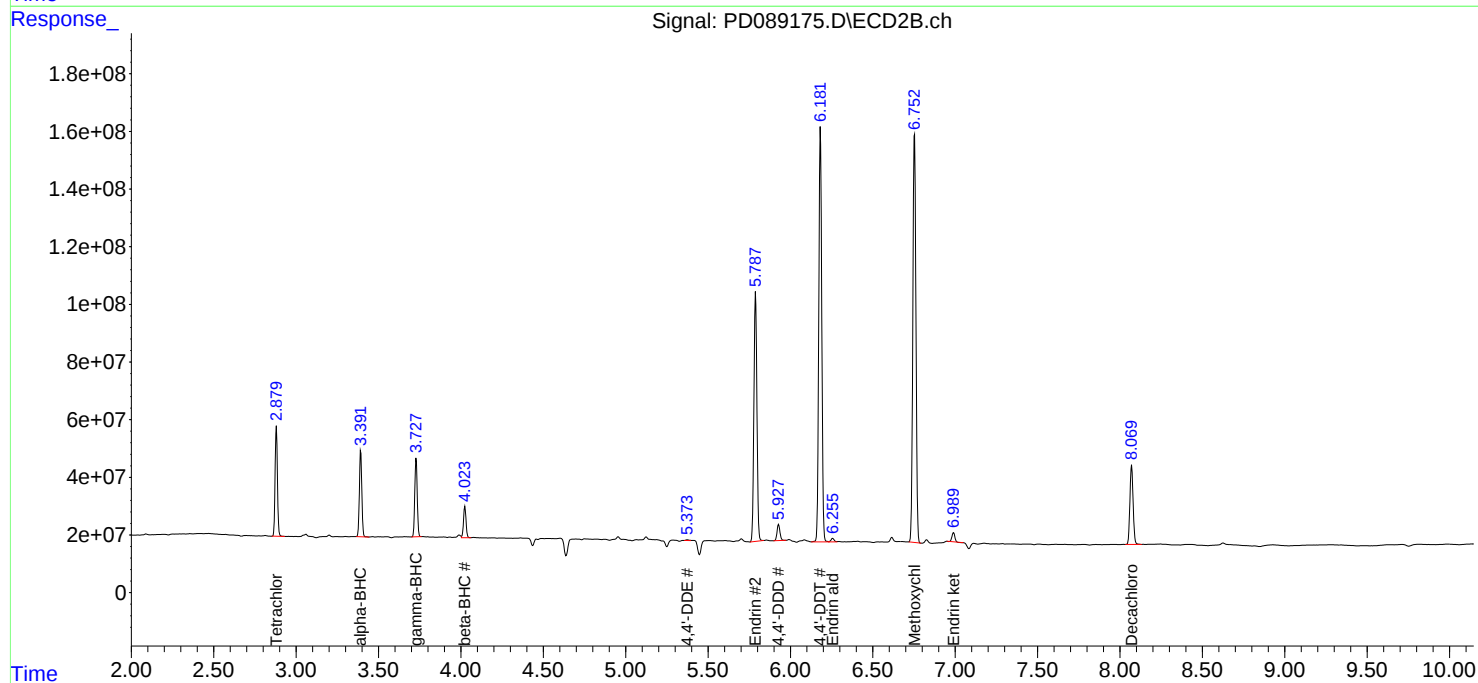
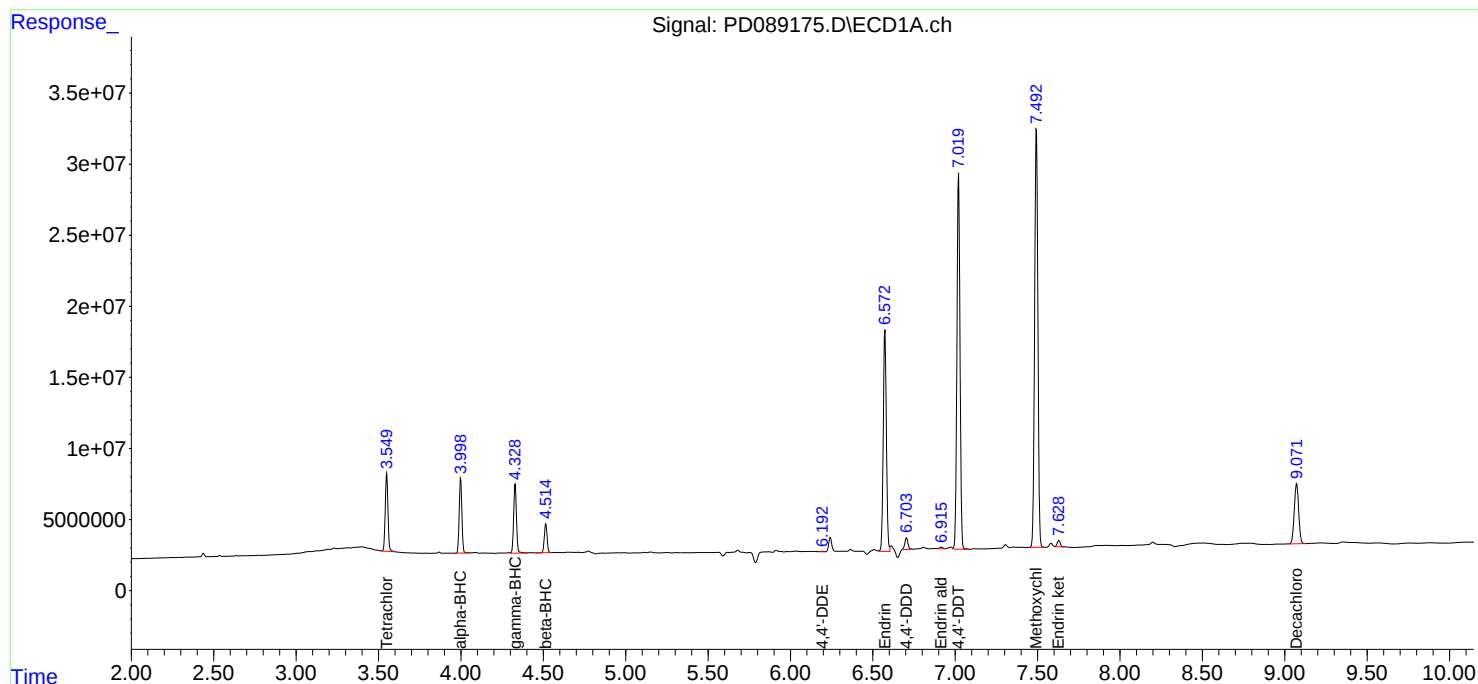
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ECD_D
ClientSampleId :
PEM

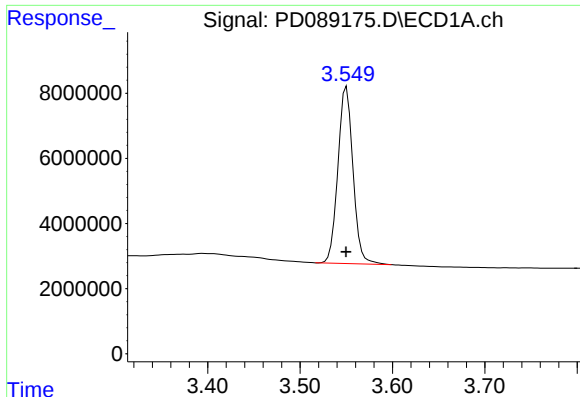
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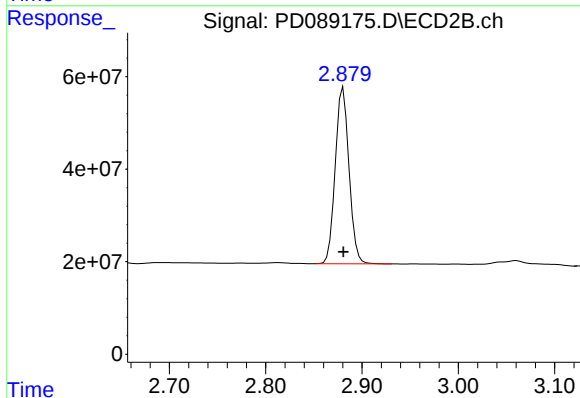
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 61547888
Conc: 21.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

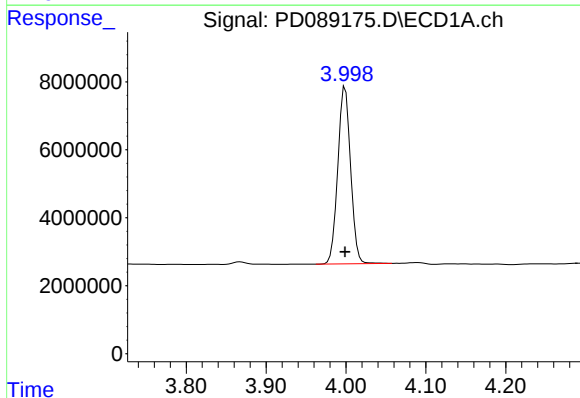
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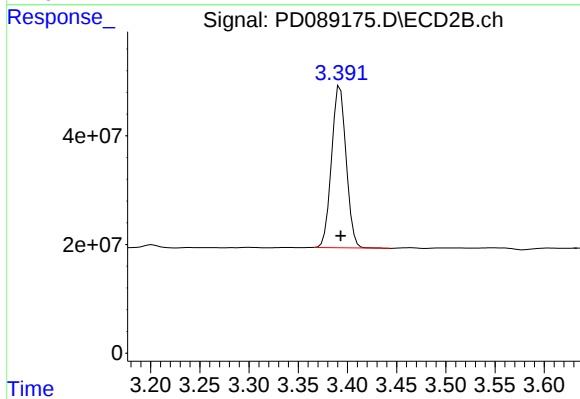
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 378803931
Conc: 22.34 ng/ml



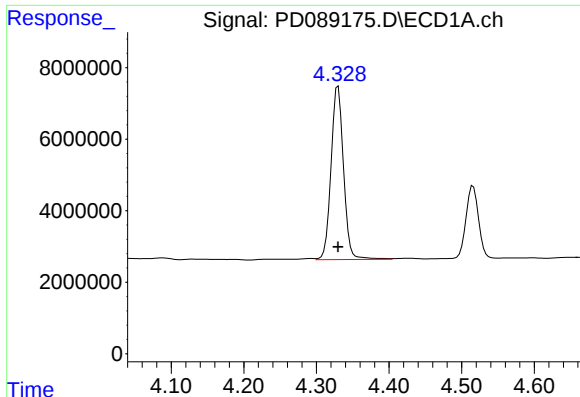
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 57939269
Conc: 9.94 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 307328295
Conc: 11.47 ng/ml



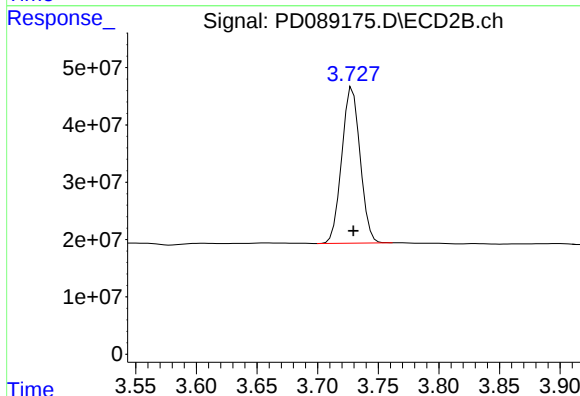
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 57987105
Conc: 10.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

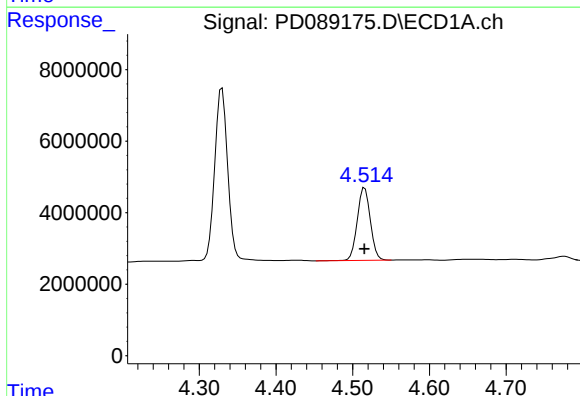
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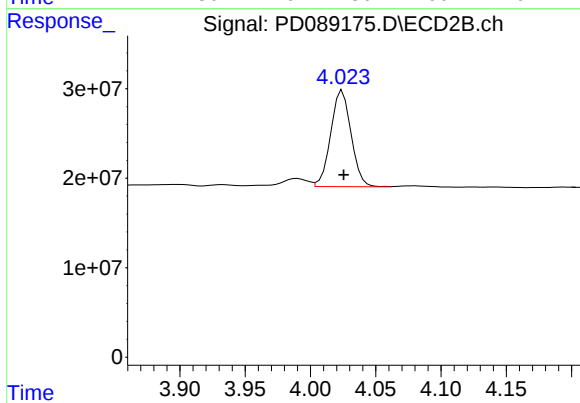
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 285874519
Conc: 11.55 ng/ml



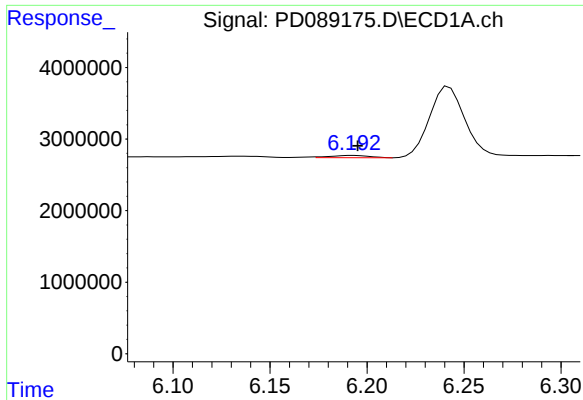
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 24229573
Conc: 10.98 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 116879443
Conc: 10.88 ng/ml



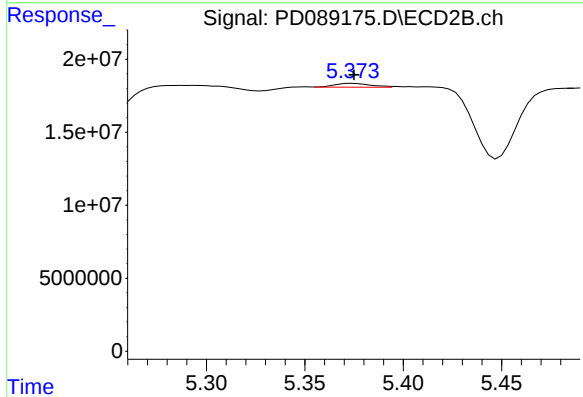
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.003 min
Response: 439429
Conc: 0.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

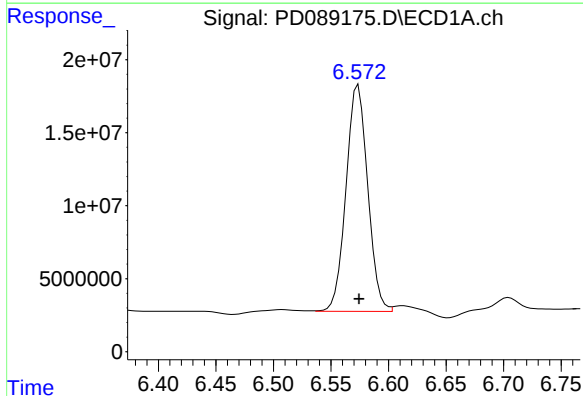
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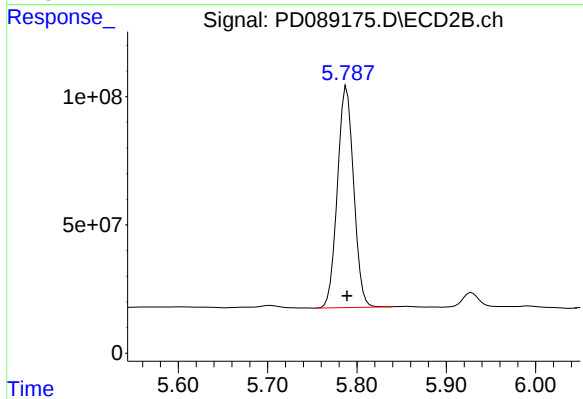
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 3463973
Conc: 0.15 ng/ml m



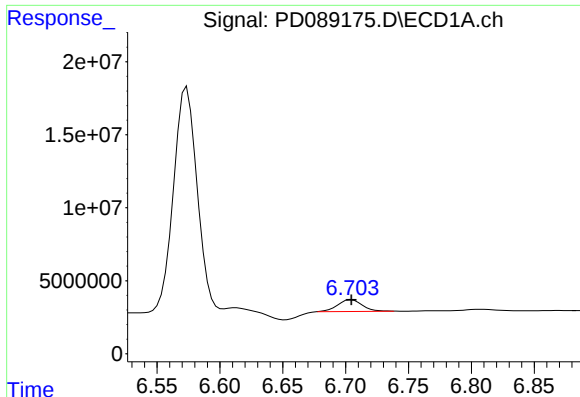
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.002 min
Response: 204198091
Conc: 49.50 ng/ml m



#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 1088198402
Conc: 50.12 ng/ml



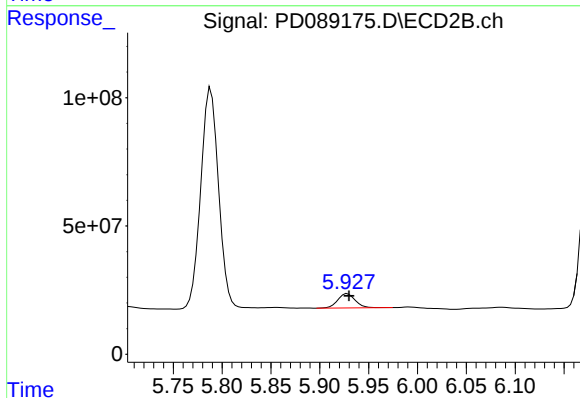
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.001 min
Response: 10941189
Conc: 3.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

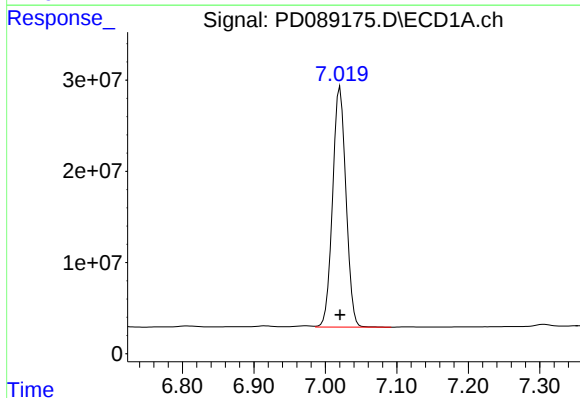
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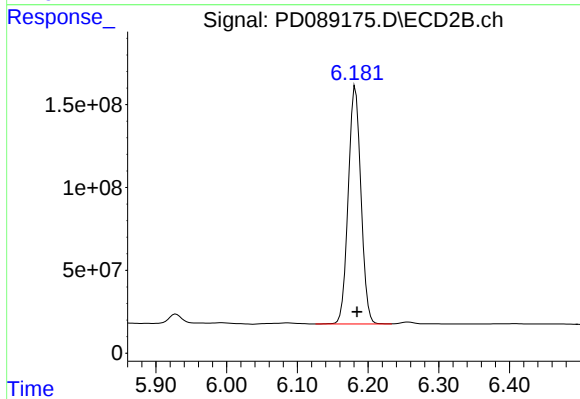
#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 69357535
Conc: 3.63 ng/ml



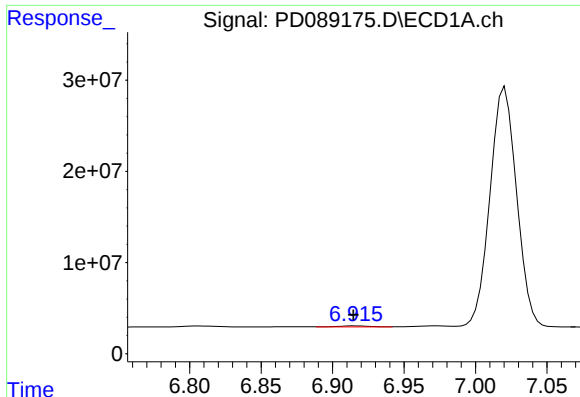
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 343048451
Conc: 90.56 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1793176754
Conc: 88.42 ng/ml



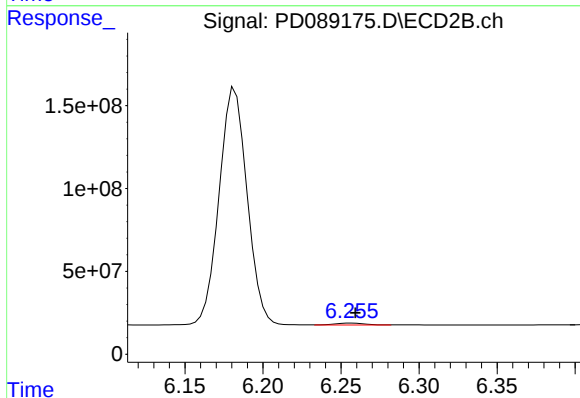
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 1504605
Conc: 0.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

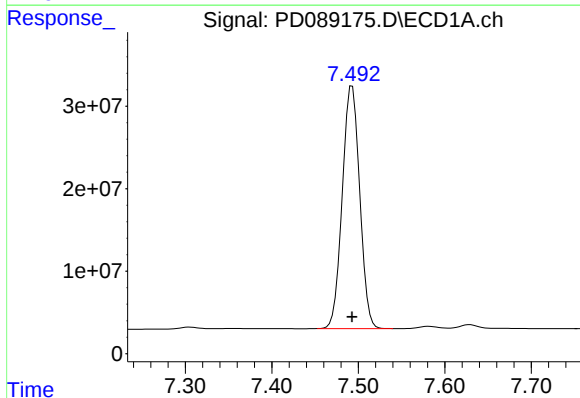
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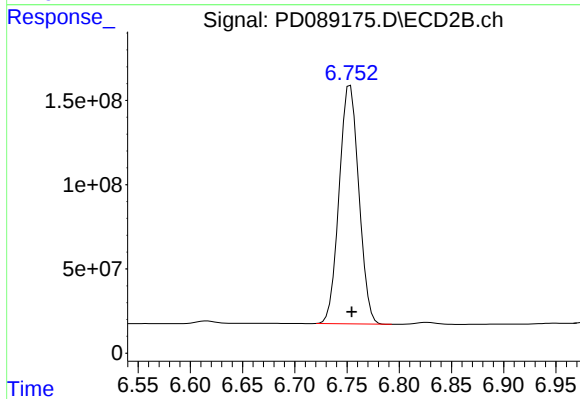
#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.003 min
Response: 16413848
Conc: 1.07 ng/ml



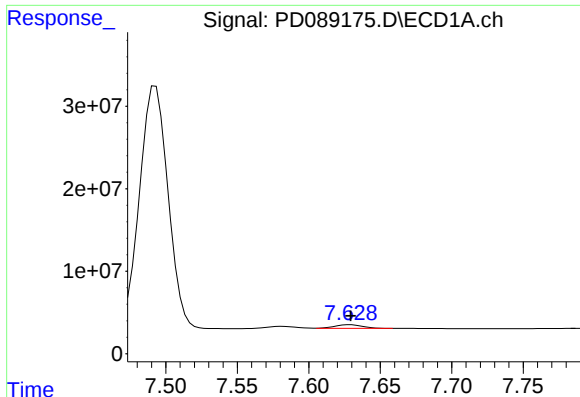
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 409676917
Conc: 202.75 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 1853334629
Conc: 172.11 ng/ml



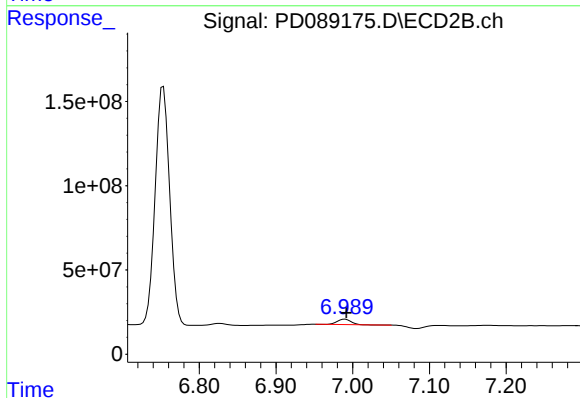
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: -0.002 min
Response: 5889068
Conc: 1.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

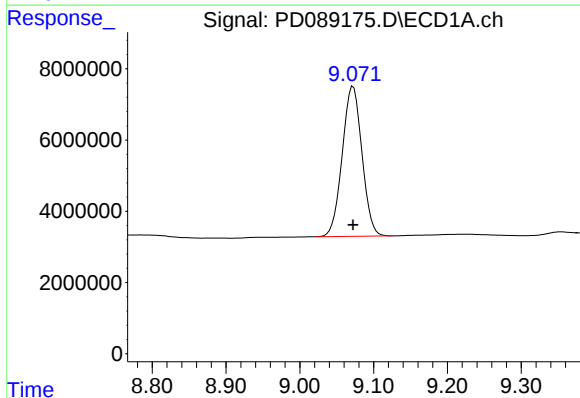
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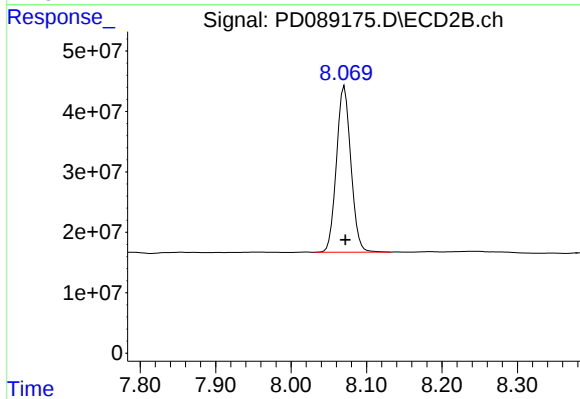
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 37802725
Conc: 1.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 78160521
Conc: 19.90 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 365588348
Conc: 18.49 ng/ml