

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089191.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 18:32
 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 27 23:14:06 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	2.880	63005766	390.9E6	22.083	23.060
28)	SA Decachlor...	9.071	8.071	82146873	403.8E6	20.915	20.426
Target Compounds							
2)	A alpha-BHC	3.998	3.392	58830525	317.1E6	10.093	11.832
3)	MA gamma-BHC...	4.328	3.729	57271214	293.6E6	10.261m	11.861
6)	B beta-BHC	4.515	4.025	24856163	115.6E6	11.262	10.758
12)	B 4,4'-DDE	6.192	5.372	891697	6331132	0.204	0.276m#
14)	MA Endrin	6.572	5.788	210.7E6	1158.0E6	51.077m	53.331
16)	A 4,4'-DDD	6.704	5.928	30759018	171.5E6	8.962	8.963
17)	MA 4,4'-DDT	7.020	6.182	305.8E6	1629.7E6	80.718	80.362
18)	B Endrin al...	6.915	6.255	2685302	18506438	0.876	1.209m#
20)	A Methoxychlor	7.492	6.753	368.7E6	1729.1E6	182.489	160.574
21)	B Endrin ke...	7.629	6.989	9349365	66377698	2.295	3.073 #

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

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Acq On : 27 Jun 2025 18:32
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

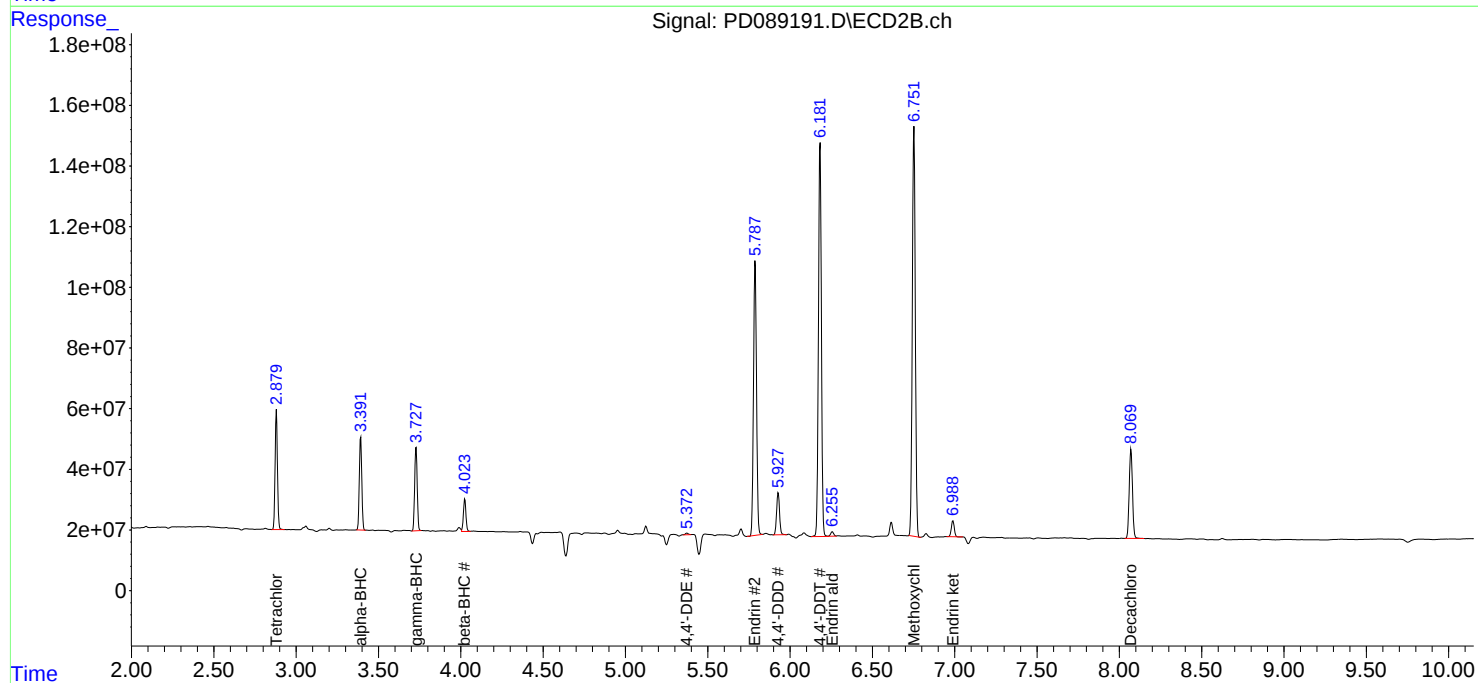
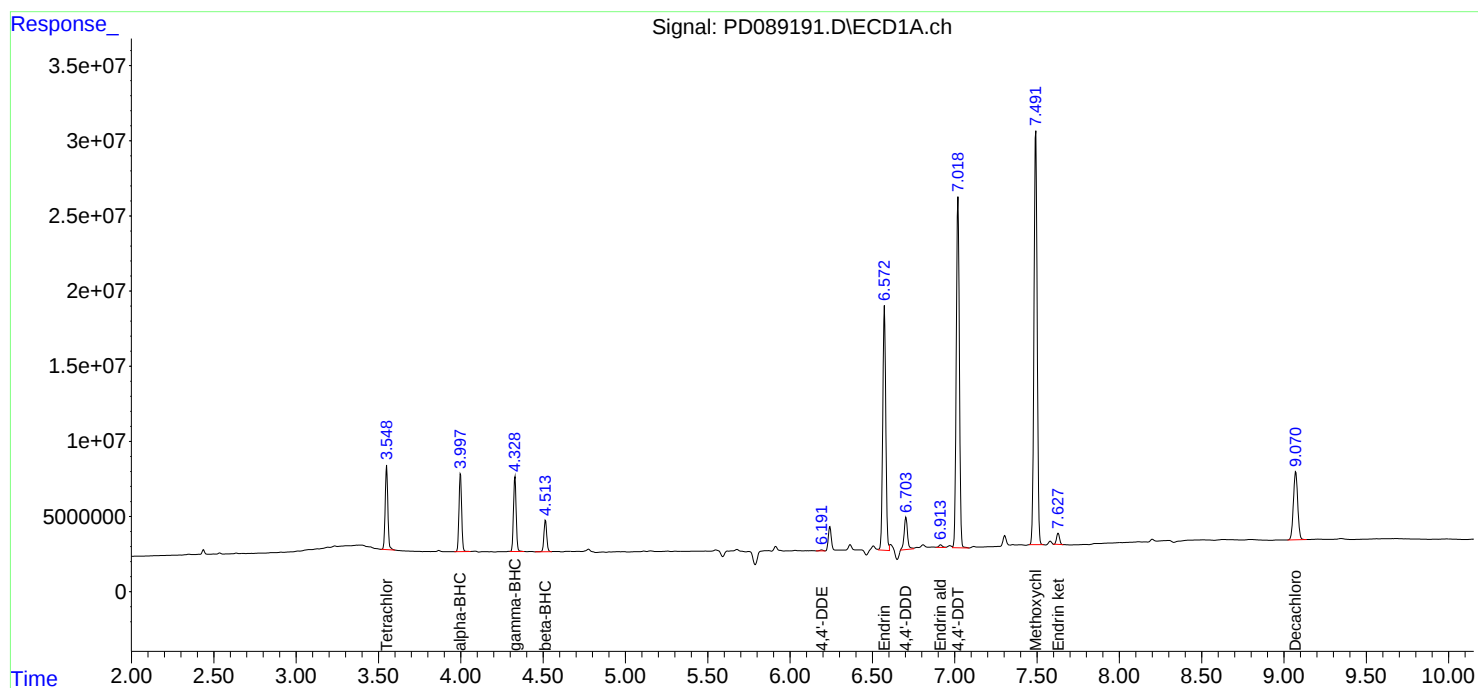
Instrument :
ECD_D
ClientSampleId :
PEM

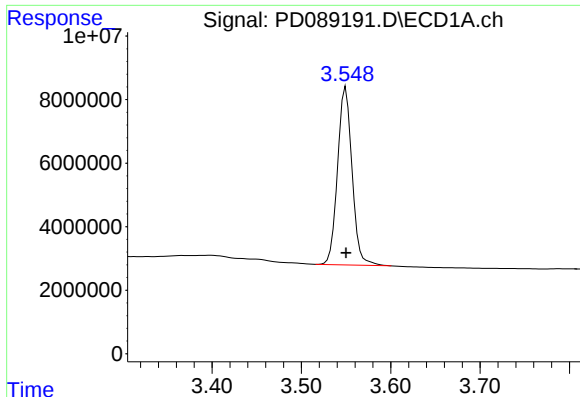
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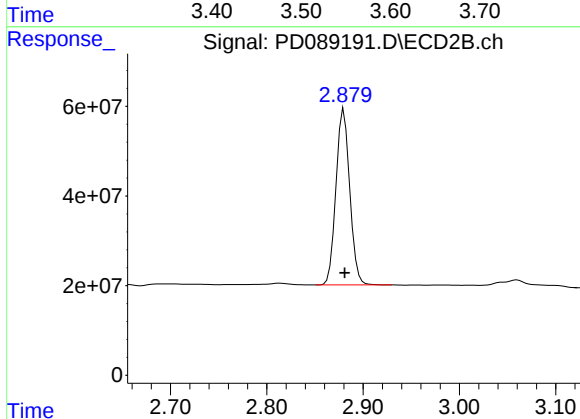
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 63005766
Conc: 22.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

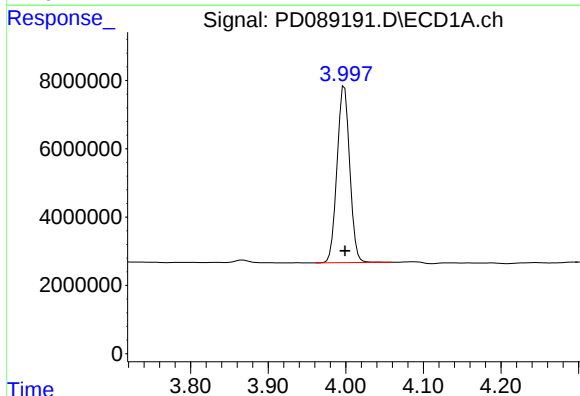
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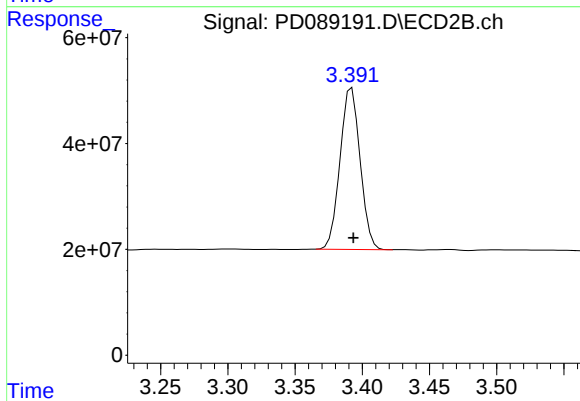
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 390935444
Conc: 23.06 ng/ml



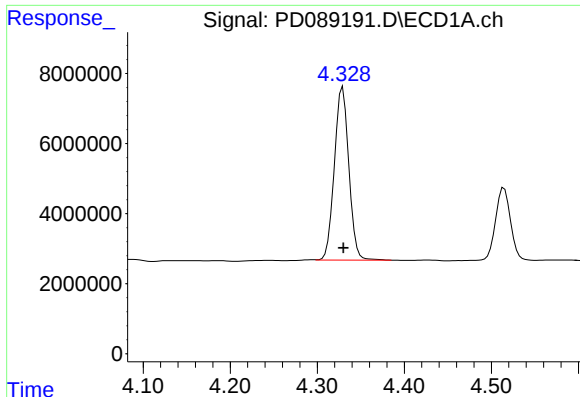
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 58830525
Conc: 10.09 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 317061174
Conc: 11.83 ng/ml



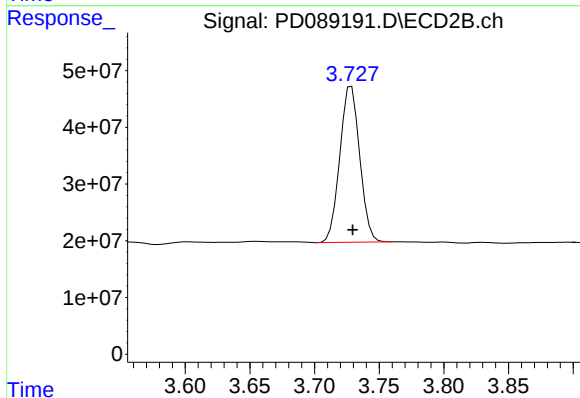
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.002 min
Response: 57271214
Conc: 10.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

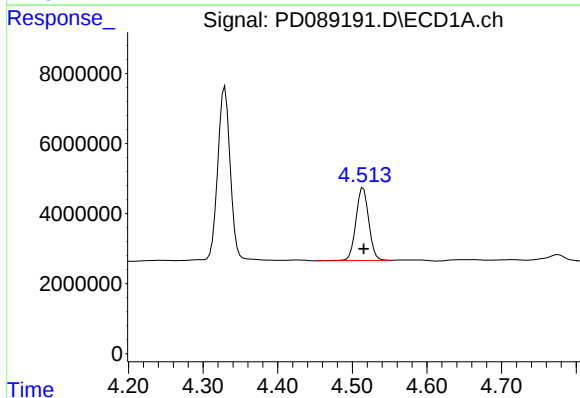
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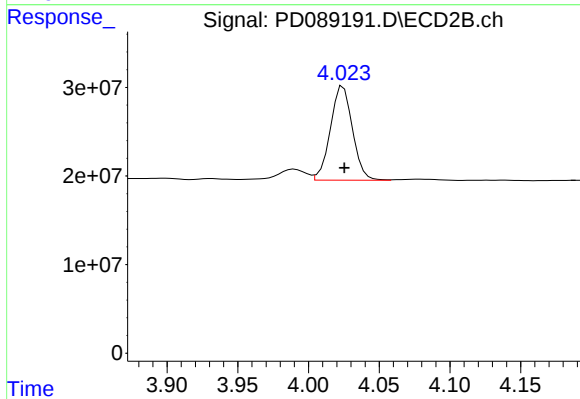
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 293631686
Conc: 11.86 ng/ml



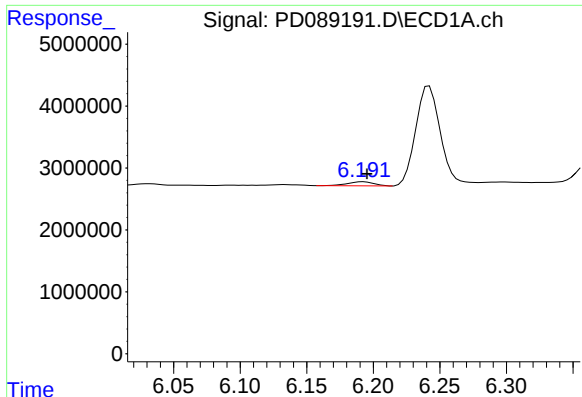
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 24856163
Conc: 11.26 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 115606702
Conc: 10.76 ng/ml



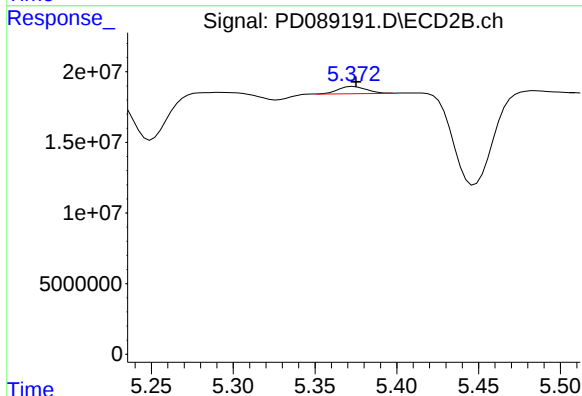
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.003 min
Response: 891697
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

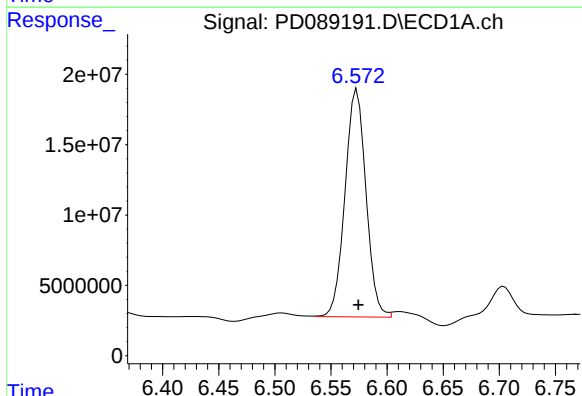
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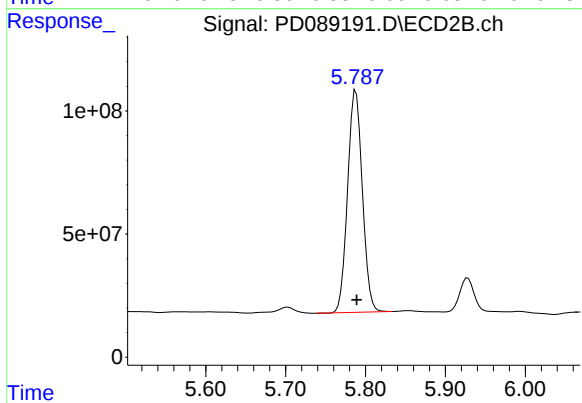
#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.003 min
Response: 6331132
Conc: 0.28 ng/ml m



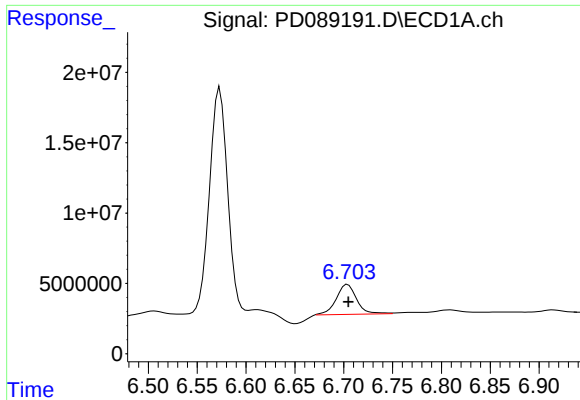
#14 Endrin

R.T.: 6.572 min
Delta R.T.: -0.003 min
Response: 210724286
Conc: 51.08 ng/ml m



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1158024800
Conc: 53.33 ng/ml



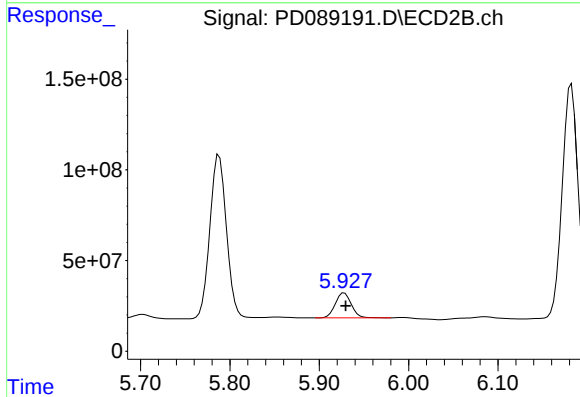
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 30759018
Conc: 8.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

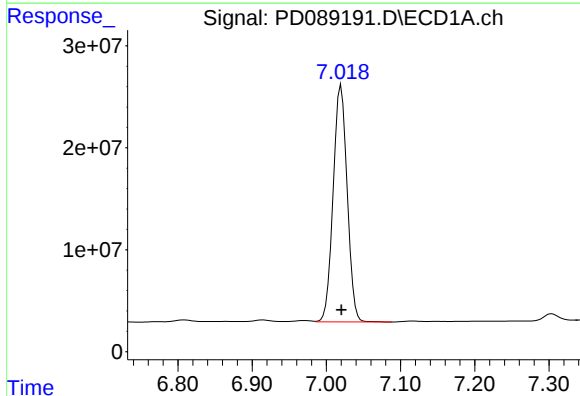
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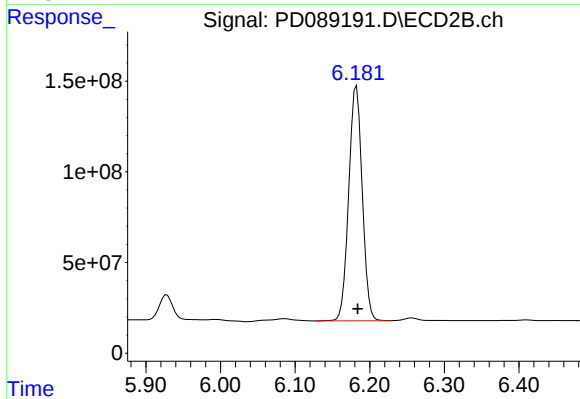
#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 171460231
Conc: 8.96 ng/ml



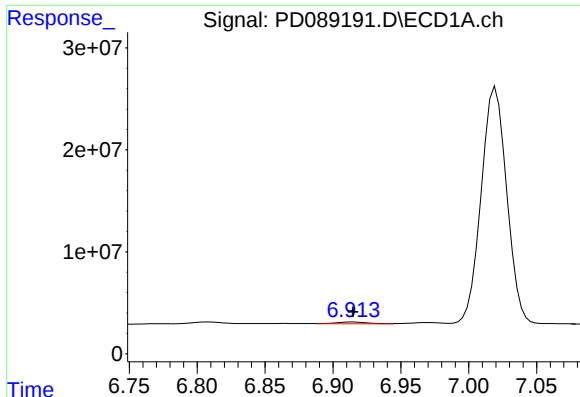
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 305775806
Conc: 80.72 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1629679927
Conc: 80.36 ng/ml



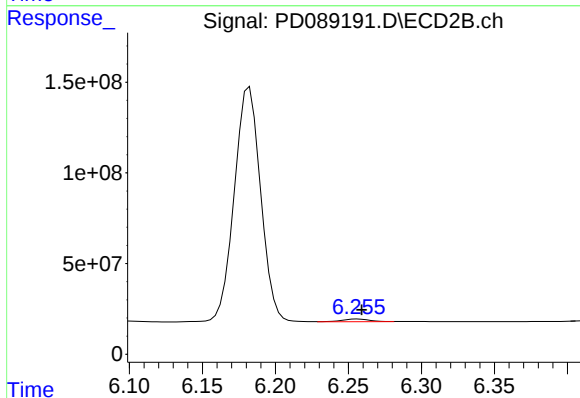
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 2685302
Conc: 0.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

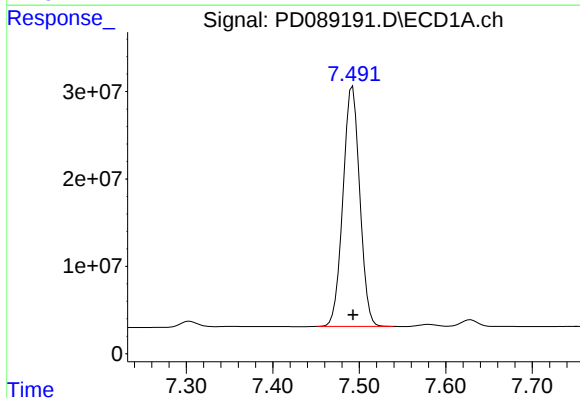
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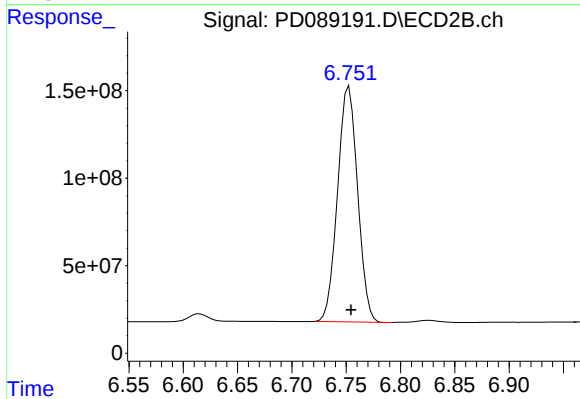
#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: -0.004 min
Response: 18506438
Conc: 1.21 ng/ml m



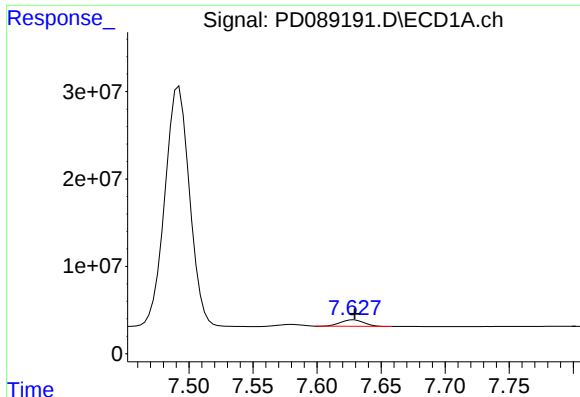
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 368742952
Conc: 182.49 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 1729074564
Conc: 160.57 ng/ml



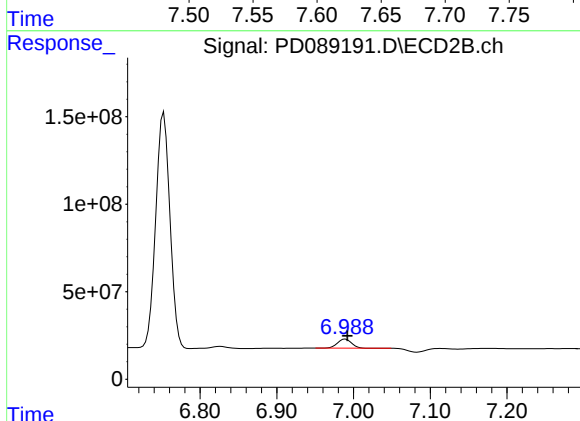
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 9349365
Conc: 2.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

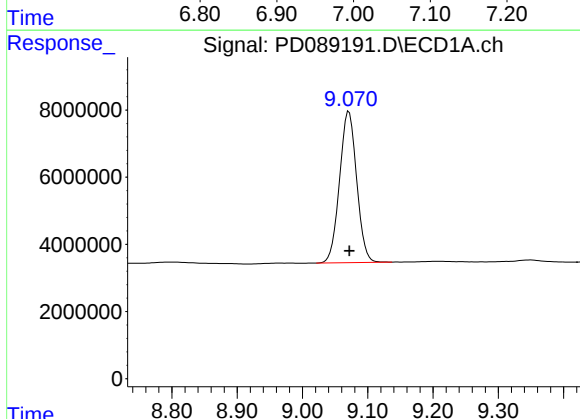
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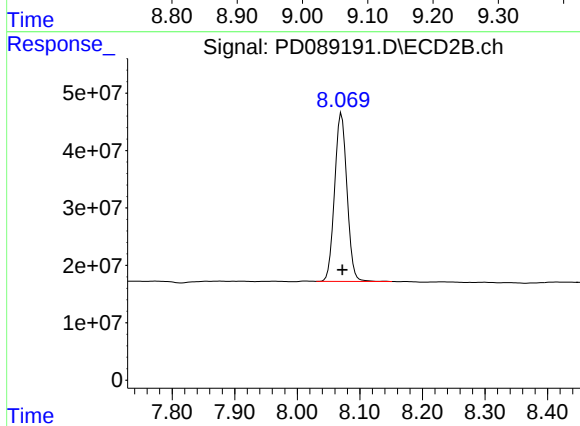
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 66377698
Conc: 3.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 82146873
Conc: 20.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.002 min
Response: 403811725
Conc: 20.43 ng/ml