

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
 Data File : PD089327.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jul 2025 09:32
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/07/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 04 02:16:52 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	61680202	400.7E6	21.618	23.636
28)	SA Decachlor...	9.073	8.071	76793160	382.1E6	19.552	19.329
Target Compounds							
2)	A alpha-BHC	3.999	3.393	59112351	329.4E6	10.141	12.293
3)	MA gamma-BHC...	4.331	3.729	58900726	291.7E6	10.553	11.781
6)	B beta-BHC	4.516	4.025	24368122	124.0E6	11.041	11.536
12)	B 4,4'-DDE	6.192	5.372	899767	7625893	0.206m	0.333m#
14)	MA Endrin	6.574	5.788	198.2E6	1109.2E6	48.048	51.082
16)	A 4,4'-DDD	6.704	5.927	23768243	160.1E6	6.925m	8.370m
17)	MA 4,4'-DDT	7.021	6.182	314.7E6	1677.9E6	83.074	82.738
18)	B Endrin al...	6.916	6.257	3278521	24041555	1.070	1.570 #
20)	A Methoxychlor	7.494	6.753	371.5E6	1727.7E6	183.849	160.450
21)	B Endrin ke...	7.630	6.989	10025133	81701358	2.461	3.782 #

(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

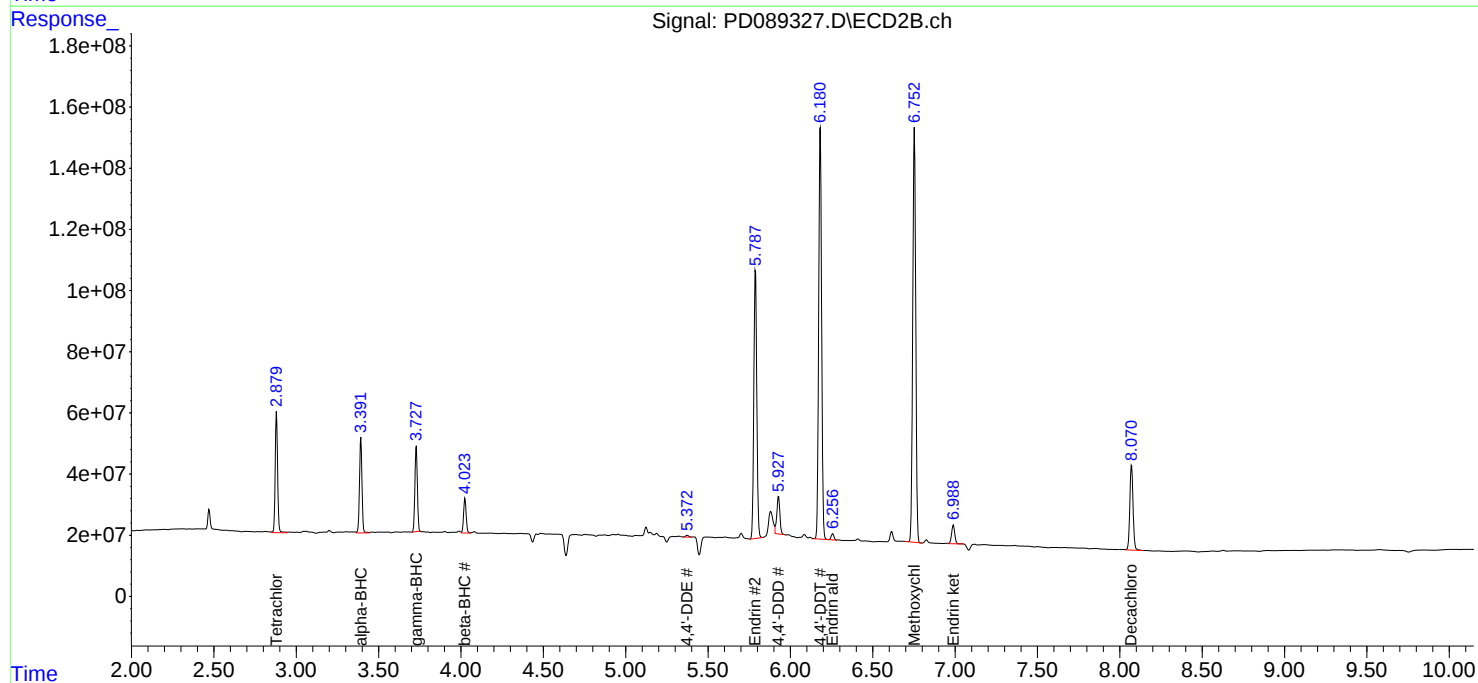
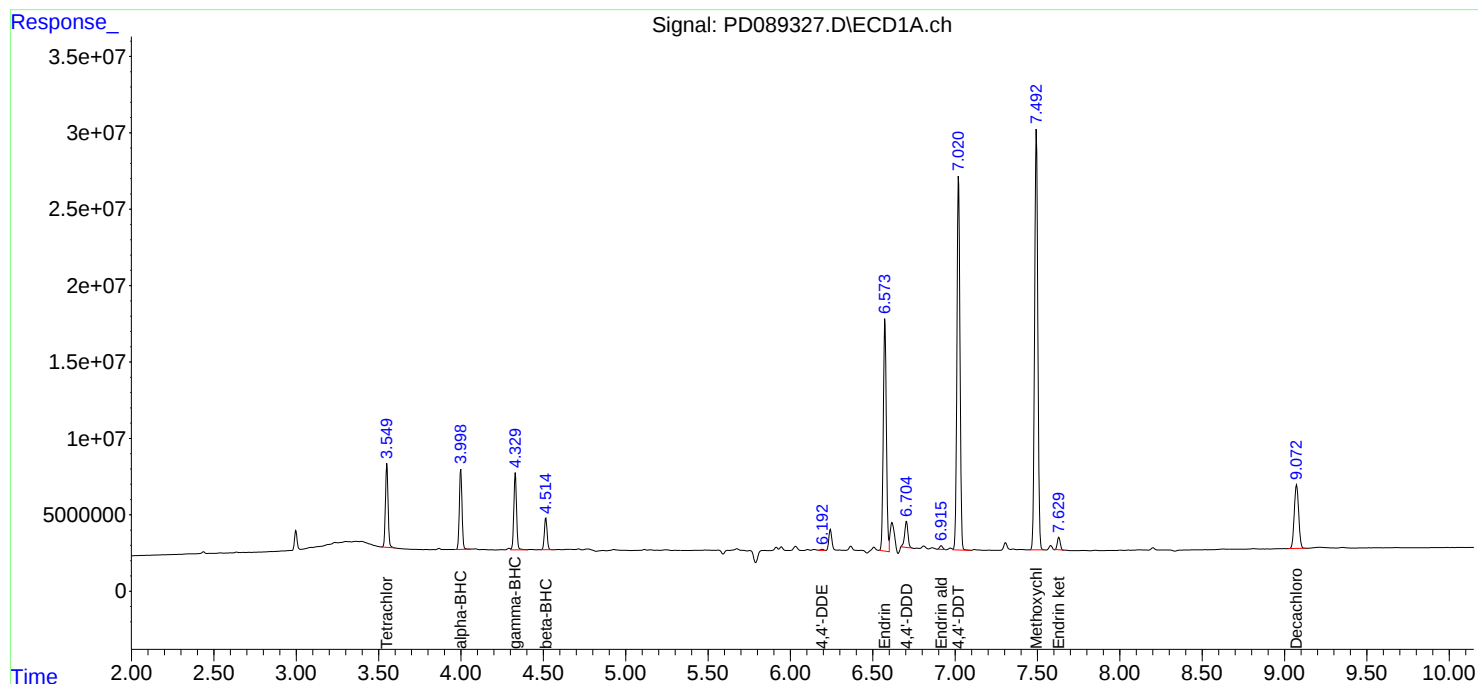
Instrument :
ECD_D
ClientSampleId :
PEM

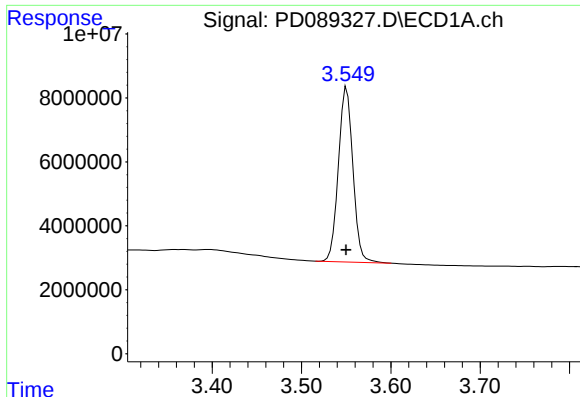
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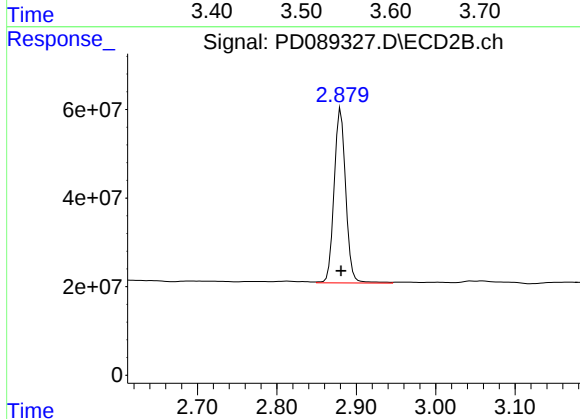
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 61680202
Conc: 21.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

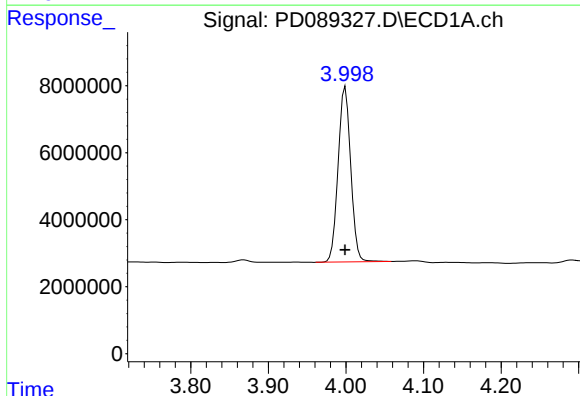
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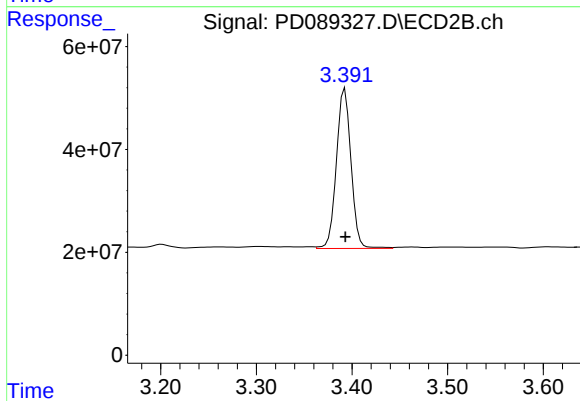
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 400710826
Conc: 23.64 ng/ml



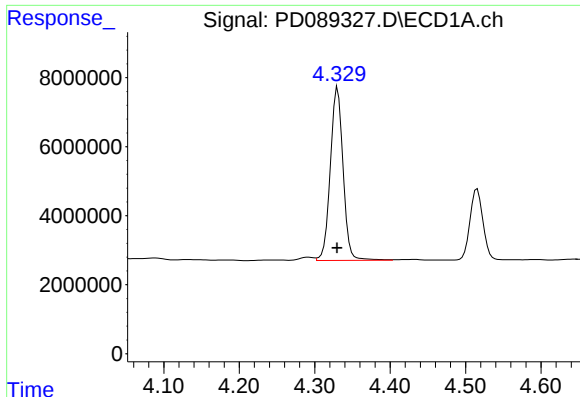
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 59112351
Conc: 10.14 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 329403638
Conc: 12.29 ng/ml



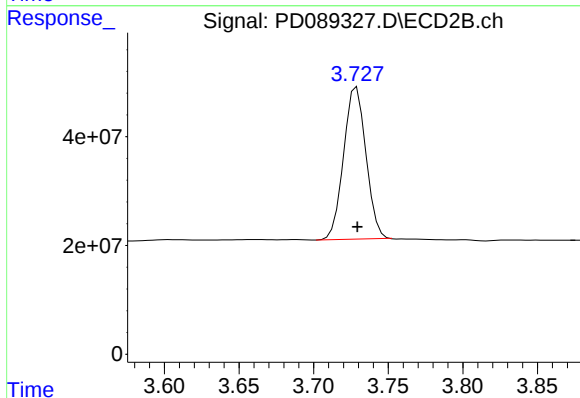
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 58900726
Conc: 10.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

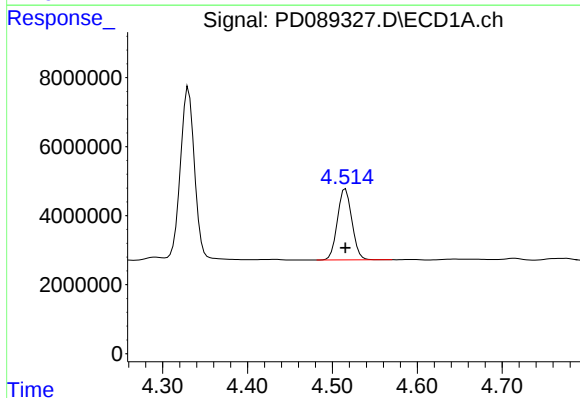
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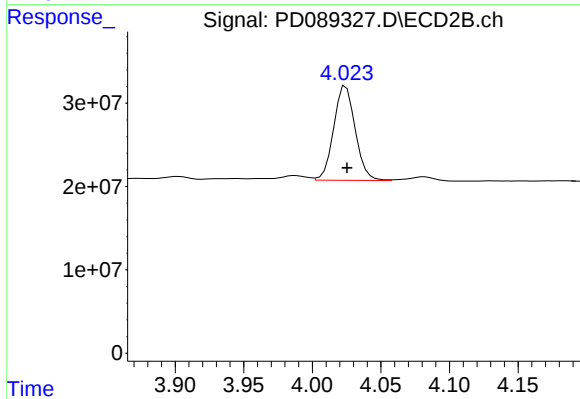
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 291664814
Conc: 11.78 ng/ml



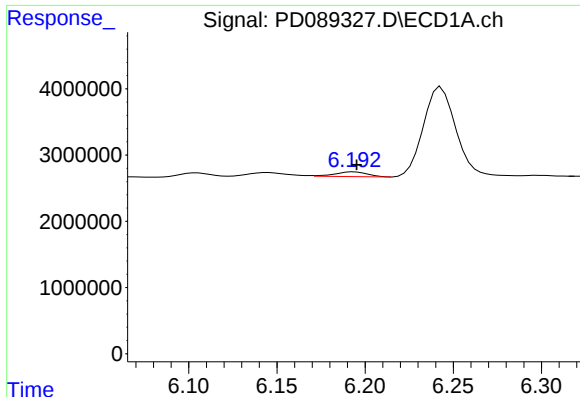
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 24368122
Conc: 11.04 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 123965755
Conc: 11.54 ng/ml



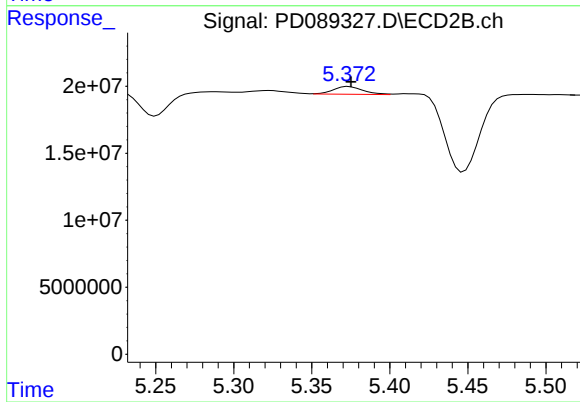
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.003 min
Response: 899767
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

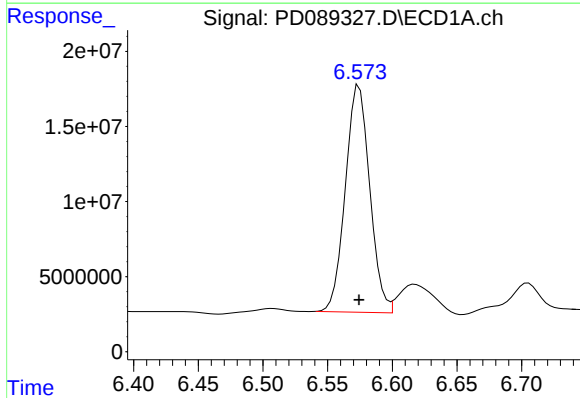
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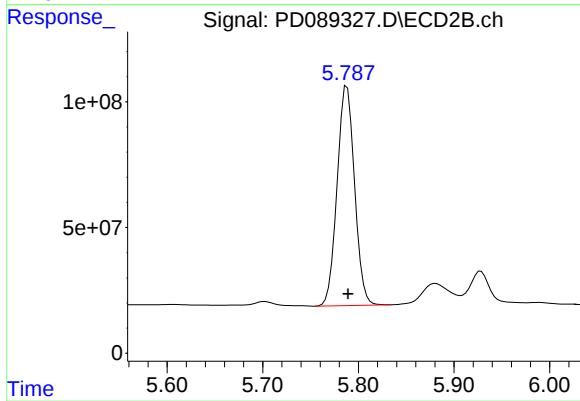
#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.003 min
Response: 7625893
Conc: 0.33 ng/ml m



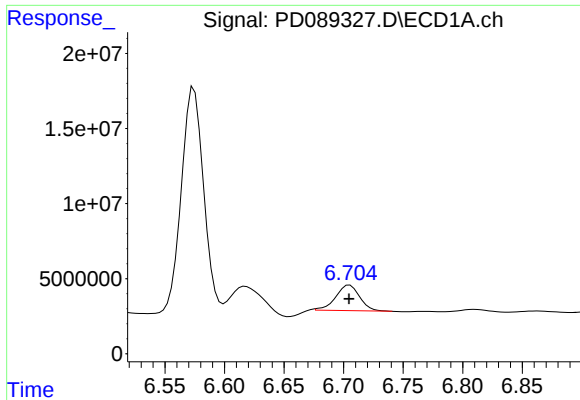
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 198227503
Conc: 48.05 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 1109184579
Conc: 51.08 ng/ml



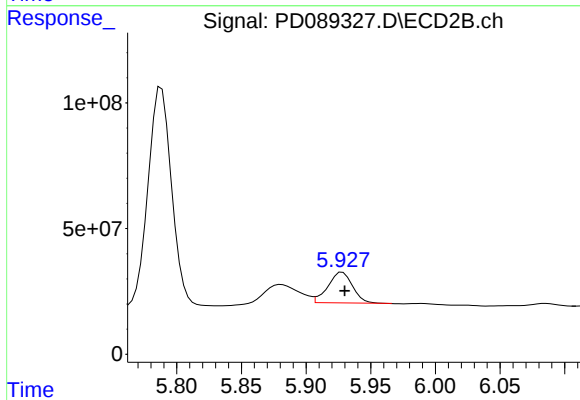
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 23768243
Conc: 6.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

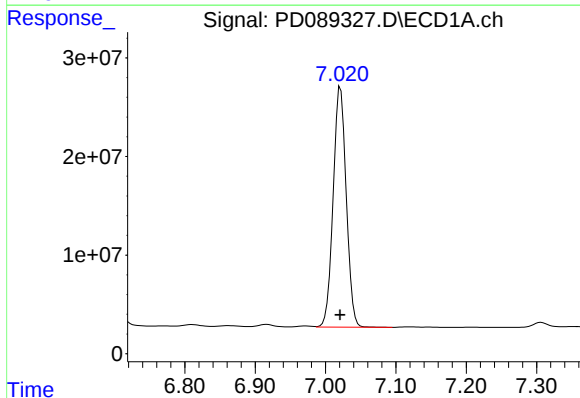
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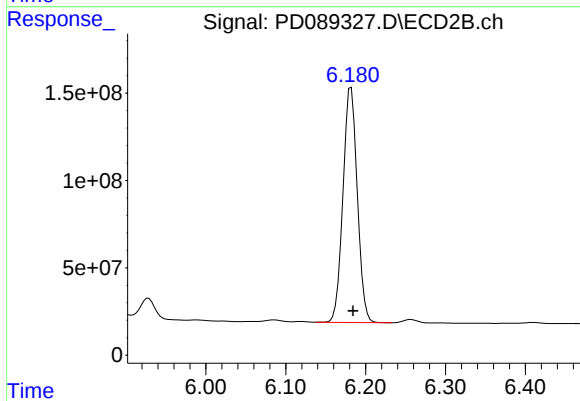
#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 160107173
Conc: 8.37 ng/ml m



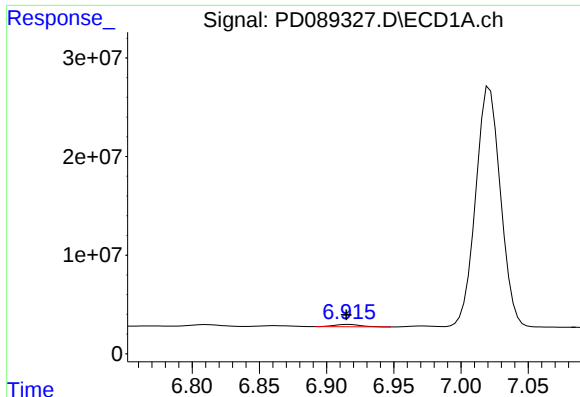
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 314699781
Conc: 83.07 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1677864534
Conc: 82.74 ng/ml



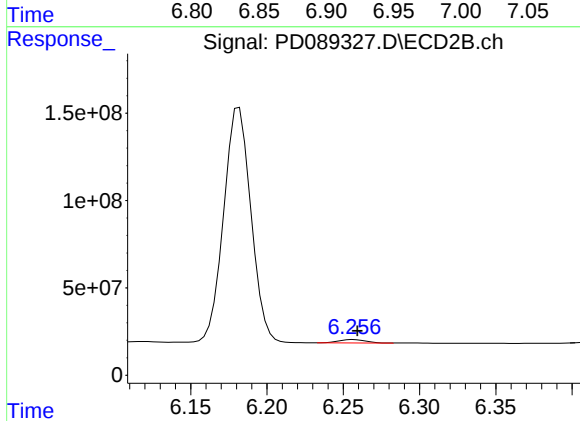
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.001 min
Response: 3278521
Conc: 1.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

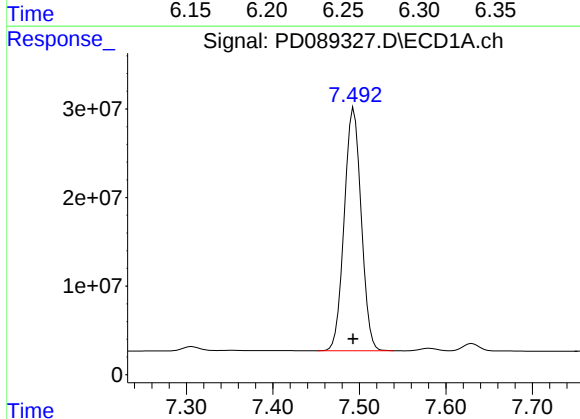
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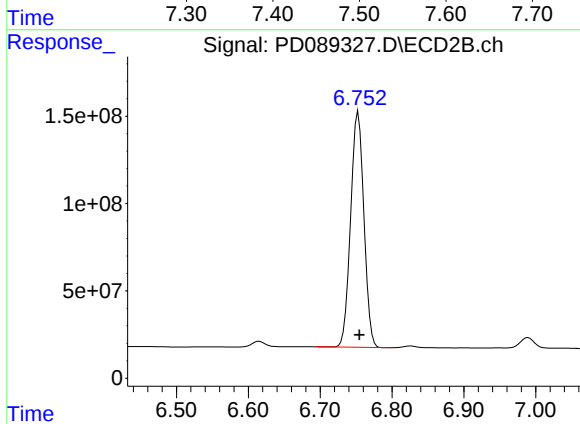
#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 24041555
Conc: 1.57 ng/ml



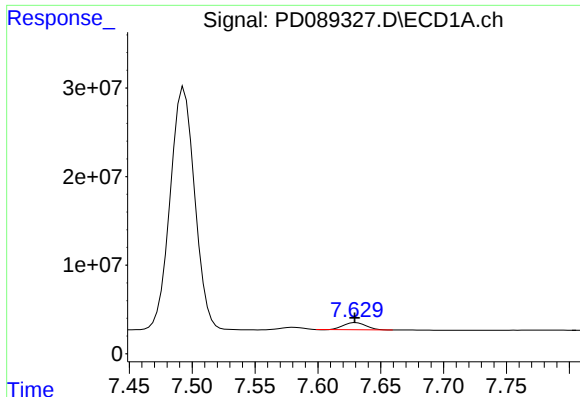
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 371490967
Conc: 183.85 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 1727740492
Conc: 160.45 ng/ml



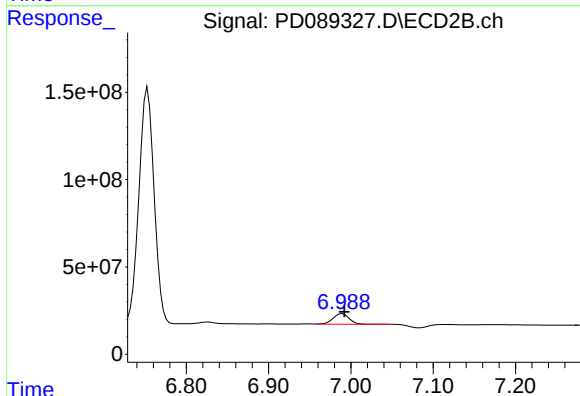
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 10025133
Conc: 2.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

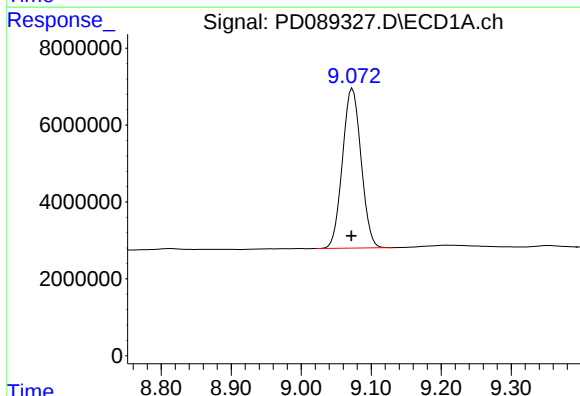
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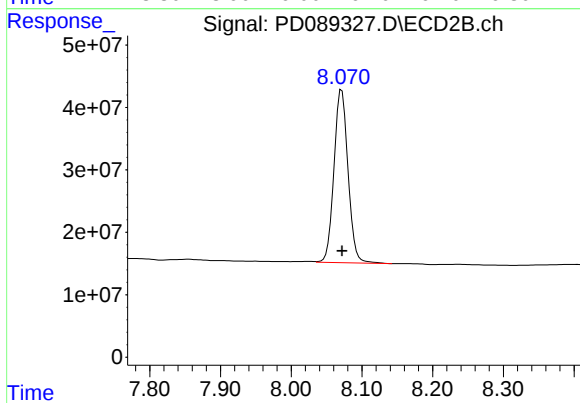
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 81701358
Conc: 3.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 76793160
Conc: 19.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 382138933
Conc: 19.33 ng/ml