

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
 Data File : PD088498.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 09:41
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/14/2025
 Supervised By : mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 12:06:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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 x 0.5 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	47263112	327.5E6	23.662	22.398
28)	SA Decachlor...	9.074	8.073	78502399	385.3E6	23.730	20.847
Target Compounds							
2)	A alpha-BHC	4.000	3.394	46551953	265.9E6	10.796	11.632
3)	MA gamma-BHC...	4.331	3.730	46855378	248.5E6	11.189	11.539
6)	B beta-BHC	4.516	4.026	19897245	111.3E6	12.257	12.027
14)	MA Endrin	6.575	5.790	177.2E6	941.1E6	59.427	51.699
16)	A 4,4'-DDD	6.705	5.931	4335330	26170683	1.724	1.597
17)	MA 4,4'-DDT	7.021	6.185	332.1E6	1699.4E6	119.584	99.868
18)	B Endrin al...	6.917	6.259	1009509	12256262	0.437	0.921 #
20)	A Methoxychlor	7.494	6.755	406.3E6	1826.2E6	270.965	200.217 #
21)	B Endrin ke...	7.629	6.992	3200964	24535458	1.037m	1.312 #

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

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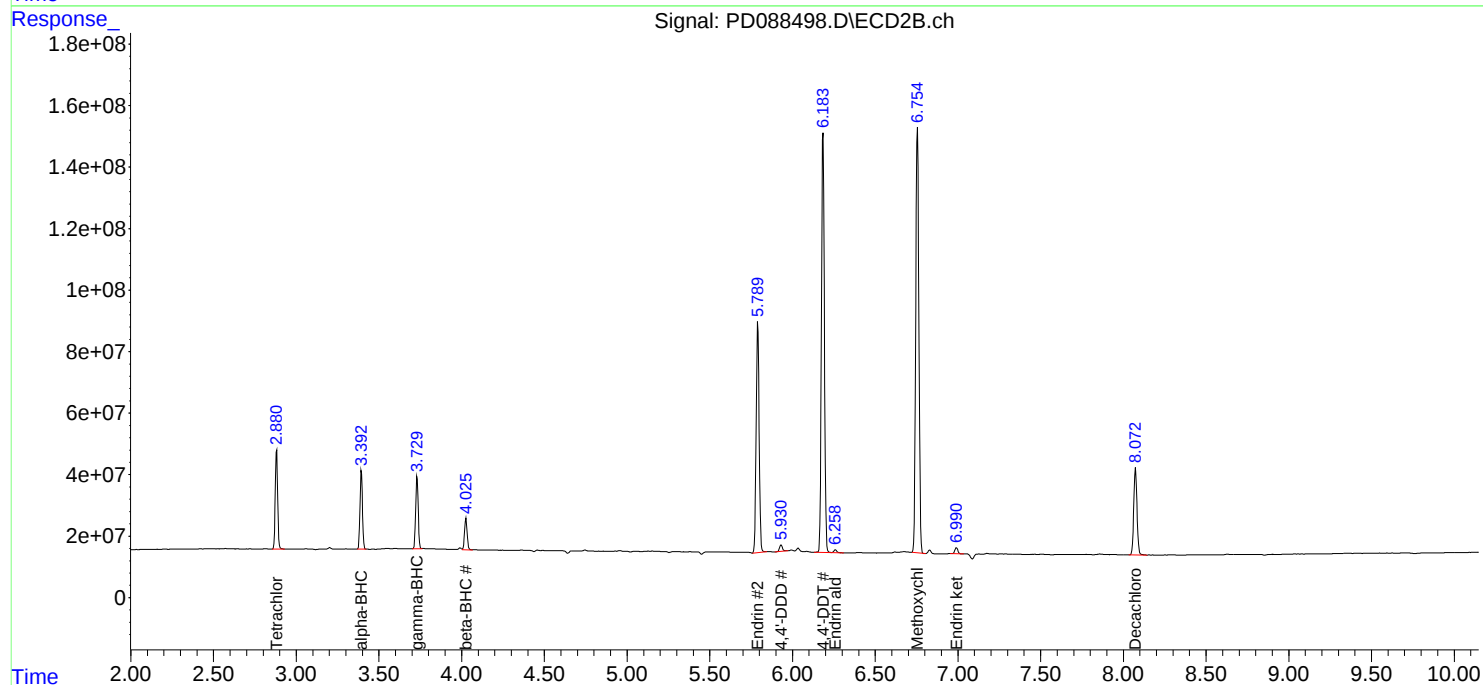
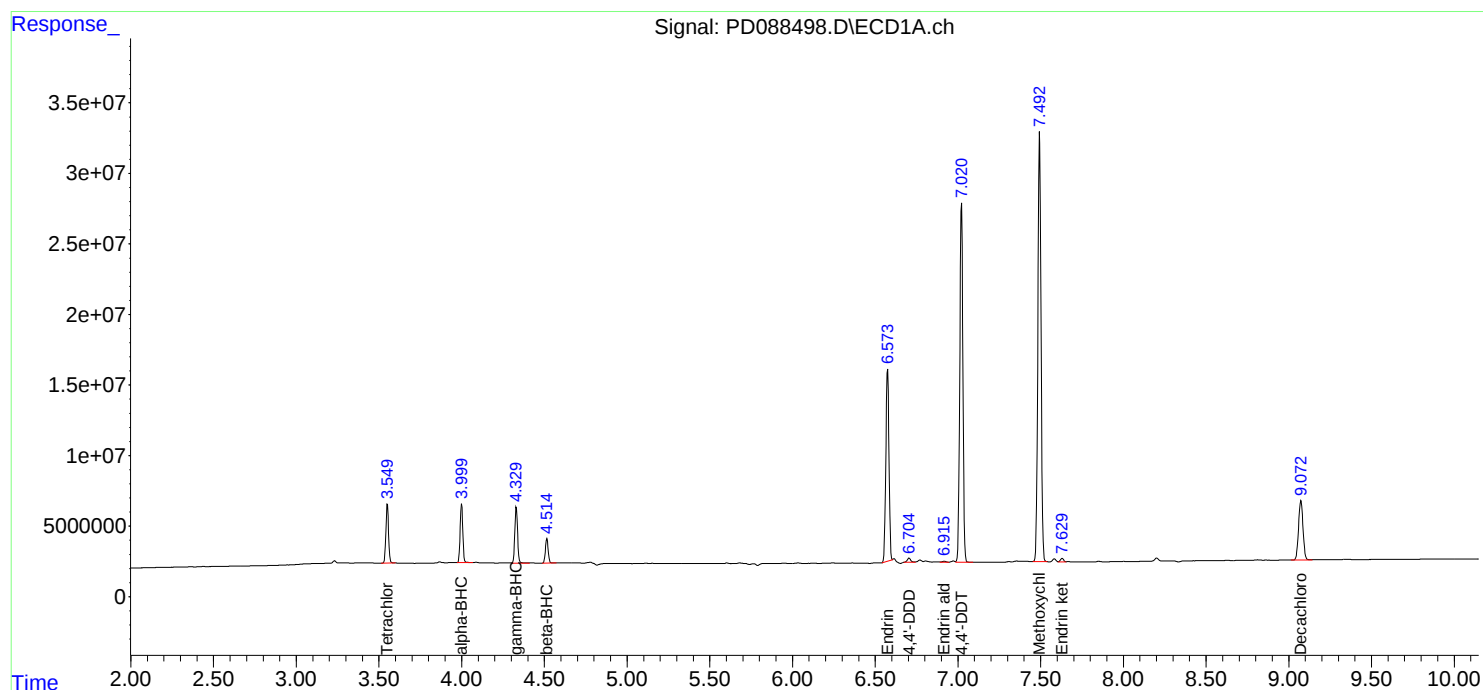
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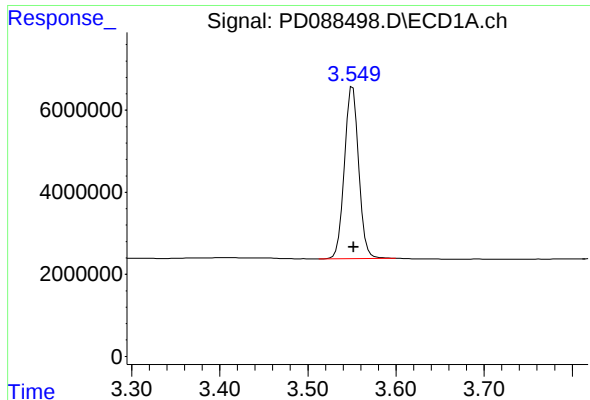
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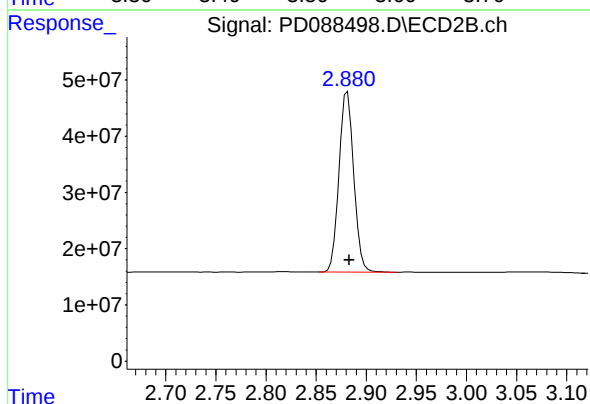
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 47263112
Conc: 23.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

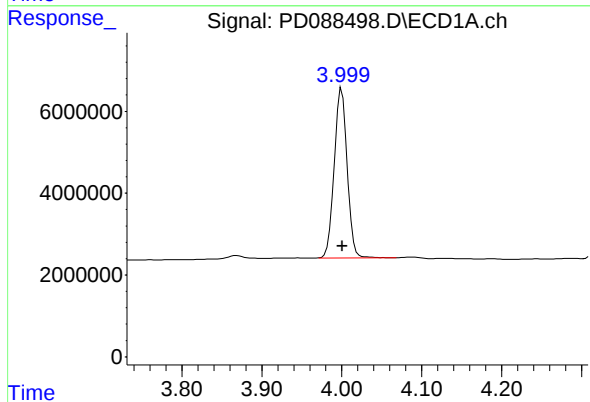
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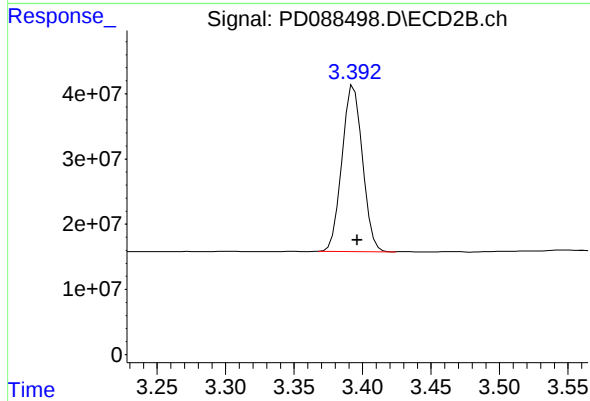
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 327493996
Conc: 22.40 ng/ml



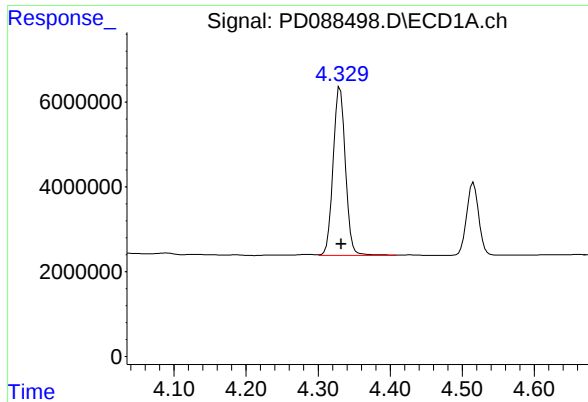
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: -0.001 min
Response: 46551953
Conc: 10.80 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 265932482
Conc: 11.63 ng/ml



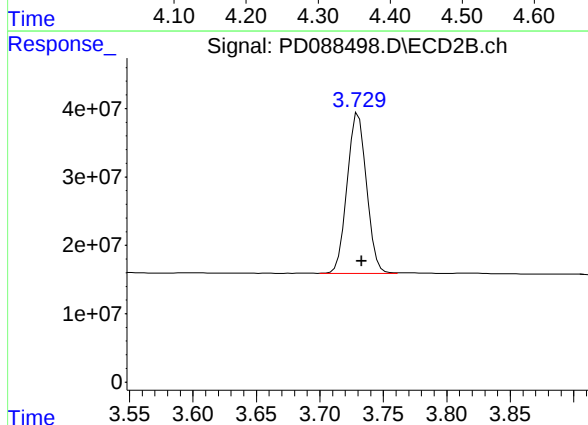
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: -0.001 min
Response: 46855378
Conc: 11.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

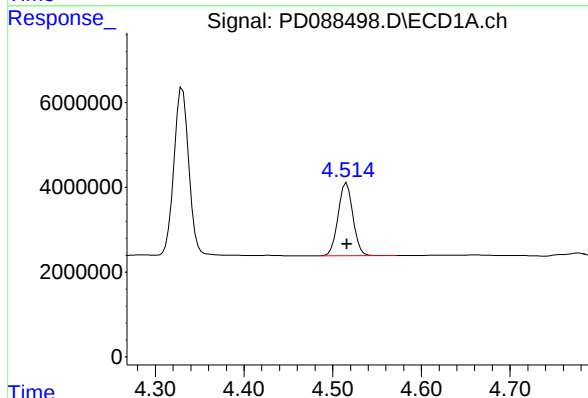
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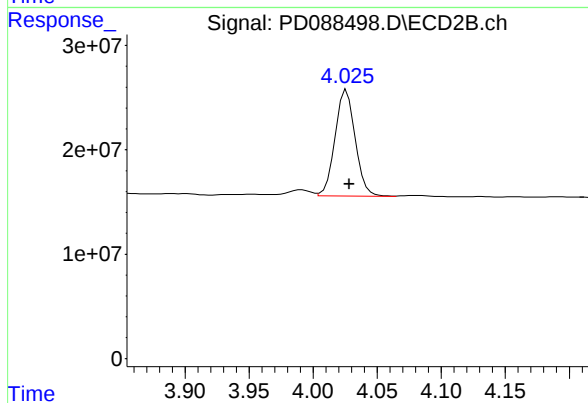
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: -0.003 min
Response: 248541561
Conc: 11.54 ng/ml



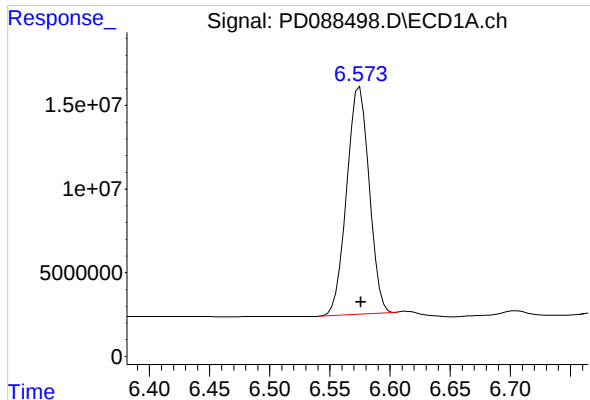
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 19897245
Conc: 12.26 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.002 min
Response: 111296685
Conc: 12.03 ng/ml



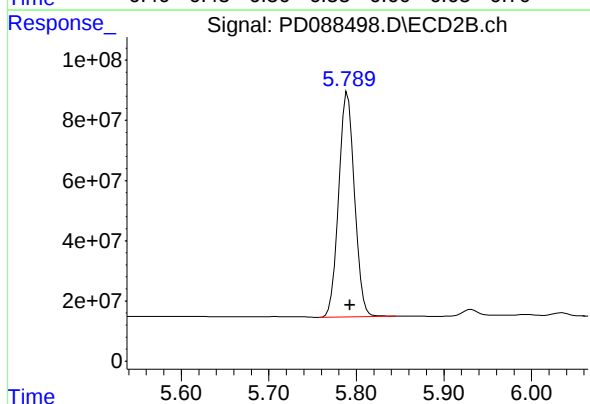
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 177244119
Conc: 59.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

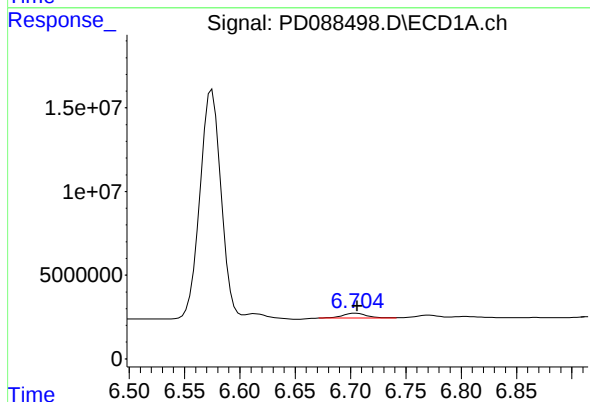
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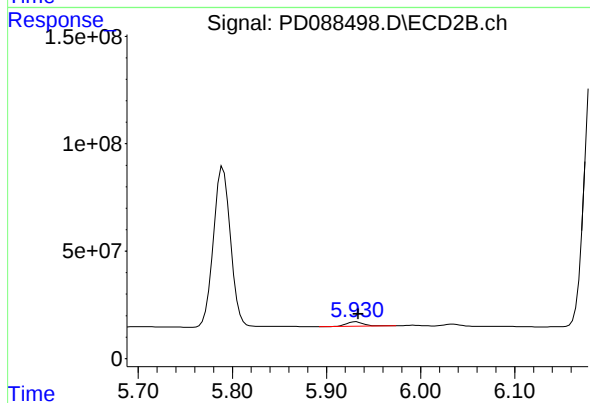
#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.003 min
Response: 941050923
Conc: 51.70 ng/ml



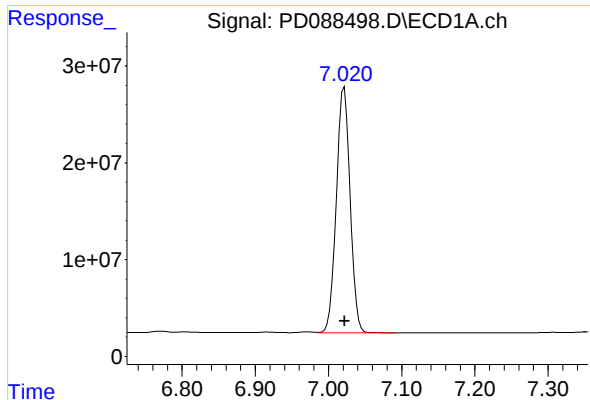
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 4335330
Conc: 1.72 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.003 min
Response: 26170683
Conc: 1.60 ng/ml



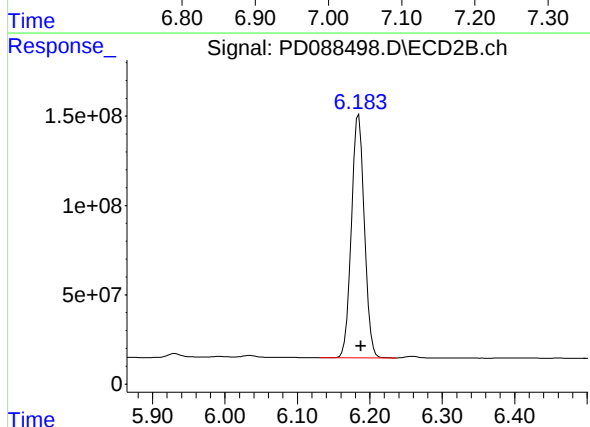
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 332149557
Conc: 119.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

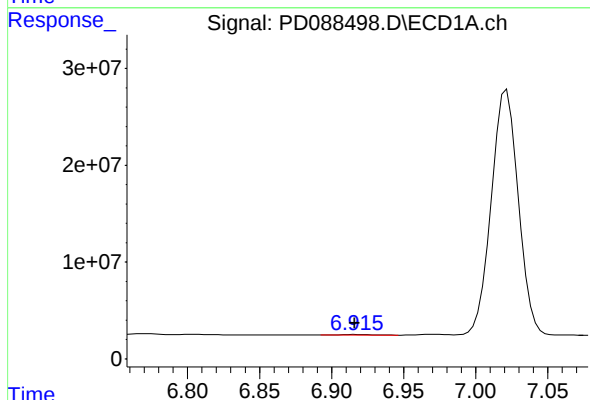
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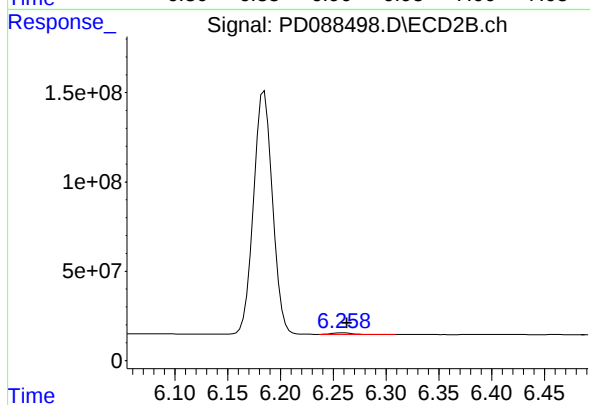
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.003 min
Response: 1699406352
Conc: 99.87 ng/ml



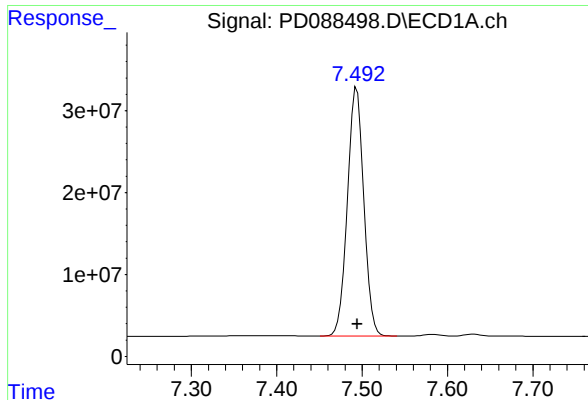
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 1009509
Conc: 0.44 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: -0.004 min
Response: 12256262
Conc: 0.92 ng/ml



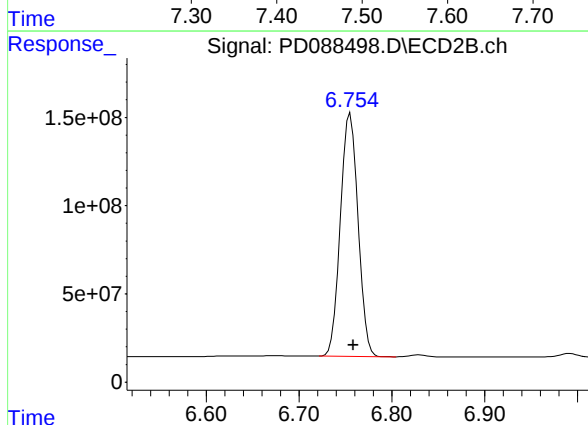
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 406324878
Conc: 270.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

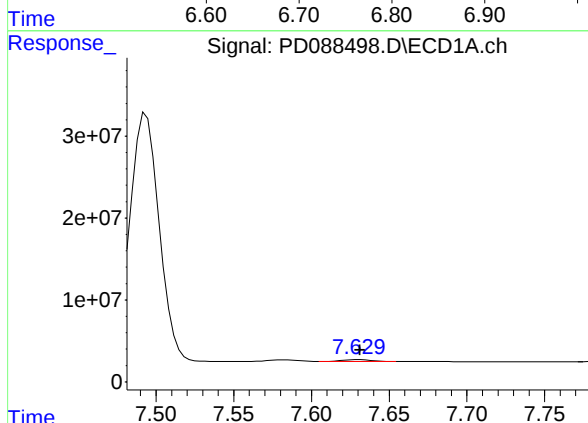
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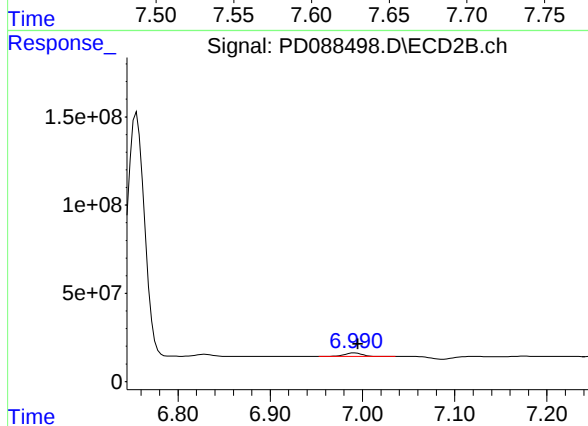
#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 1826192895
Conc: 200.22 ng/ml



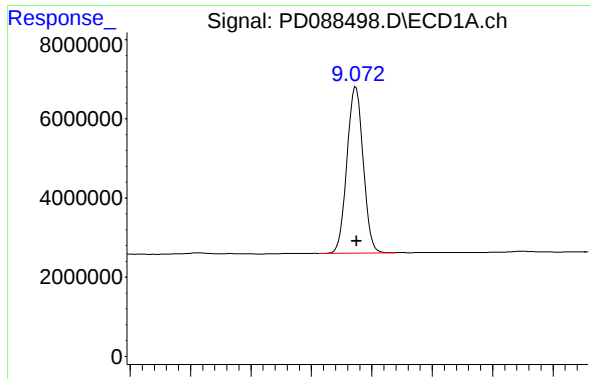
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.003 min
Response: 3200964
Conc: 1.04 ng/ml m



#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.004 min
Response: 24535458
Conc: 1.31 ng/ml



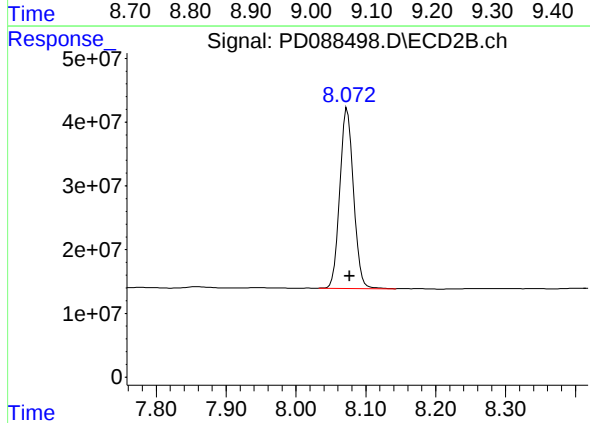
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 78502399
Conc: 23.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.004 min
Response: 385252038
Conc: 20.85 ng/ml