

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062125\
 Data File : PD089057.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Jun 2025 17:51
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/23/2025
 Supervised By : mohammad ahmed 06/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 20 23:04:34 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	54758211	341.3E6	19.192	20.134
28)	SA Decachlor...	9.074	8.073	79217811	391.4E6	20.169	19.798
Target Compounds							
2)	A alpha-BHC	3.999	3.393	51652326	276.8E6	8.861	10.330
3)	MA gamma-BHC...	4.330	3.730	51861293	258.4E6	9.291	10.437
6)	B beta-BHC	4.515	4.026	21786058	111.3E6	9.871	10.357
14)	MA Endrin	6.575	5.789	193.0E6	995.6E6	46.782	45.850
16)	A 4,4'-DDD	6.704	5.930	2921165	16181379	0.851m	0.846
17)	MA 4,4'-DDT	7.021	6.183	348.4E6	1794.8E6	91.967	88.503
18)	B Endrin al...	6.918	6.256	931974	10970464	0.304	0.716m#
20)	A Methoxychlor	7.493	6.755	420.8E6	1943.1E6	208.257	180.445
21)	B Endrin ke...	7.630	6.989	3813431	25307789	0.936m	1.172m#

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

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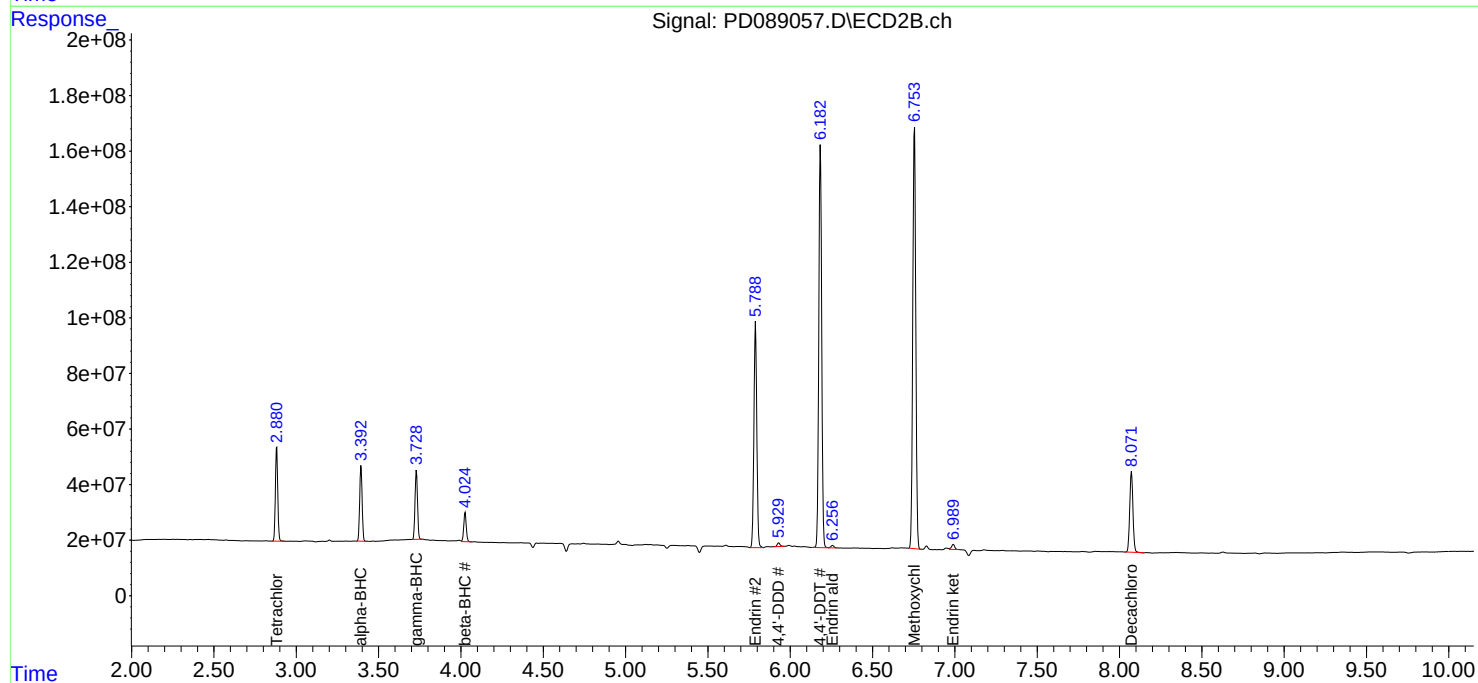
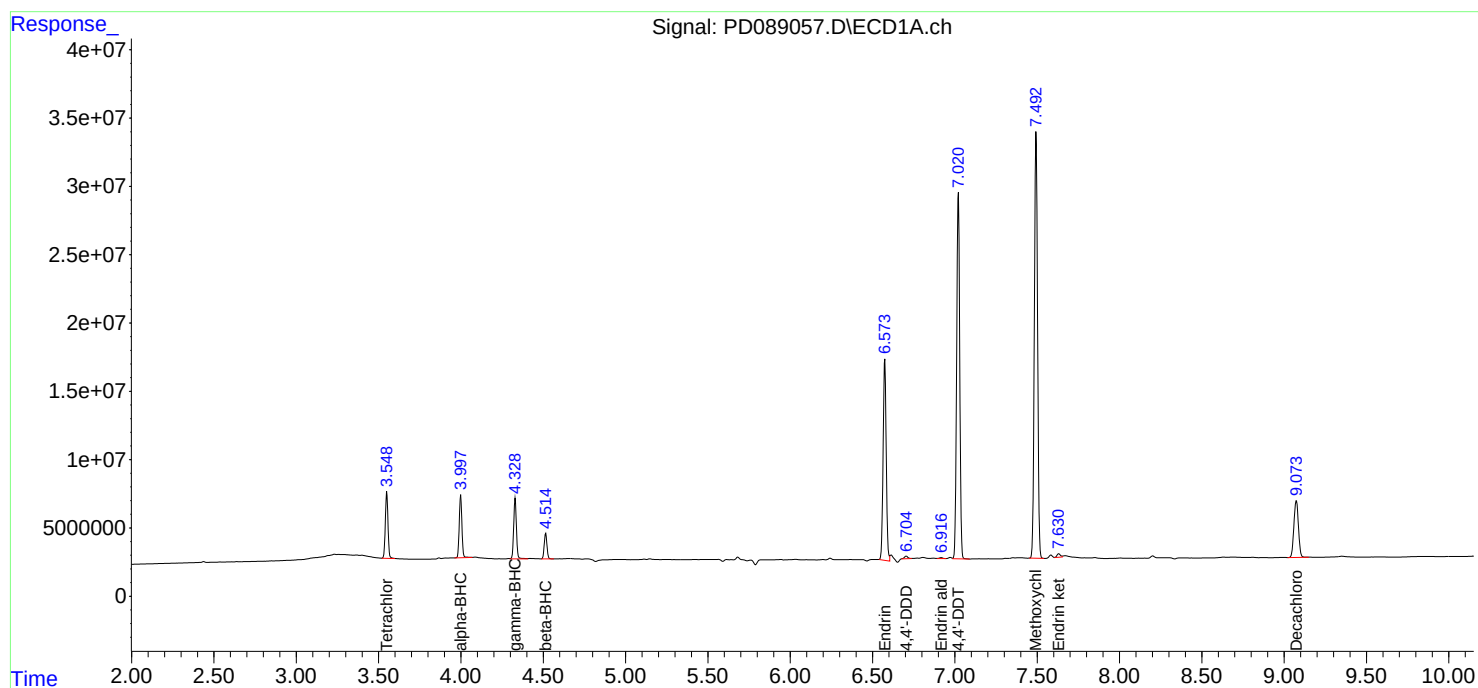
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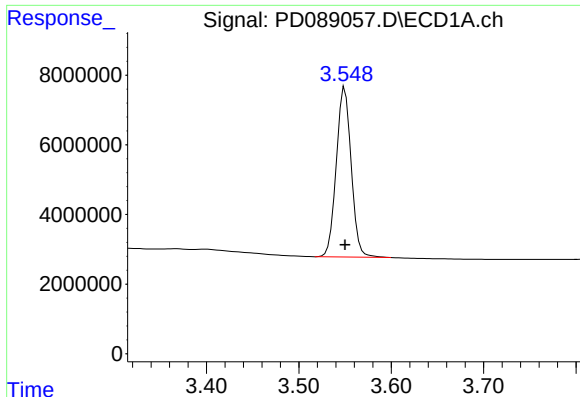
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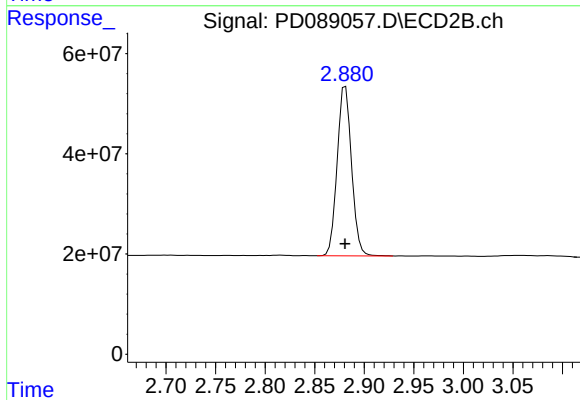
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 54758211
Conc: 19.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

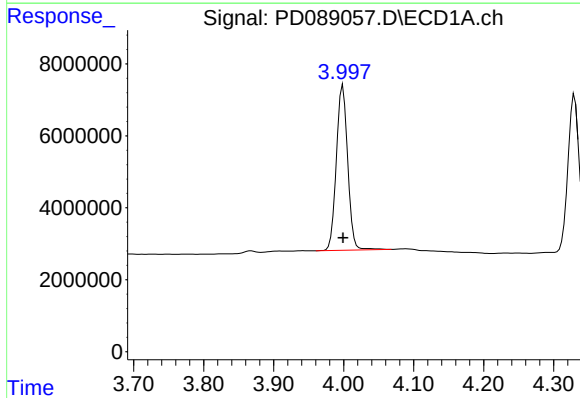
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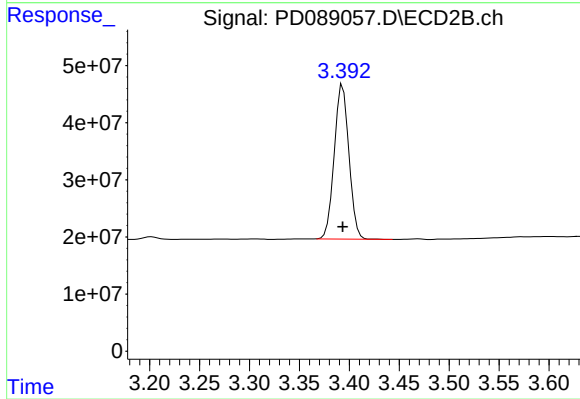
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 341337024
Conc: 20.13 ng/ml



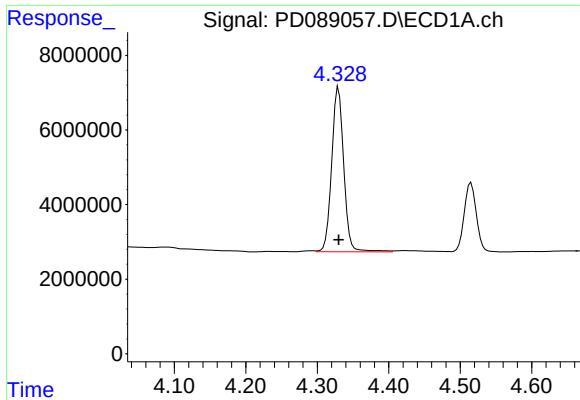
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 51652326
Conc: 8.86 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 276809781
Conc: 10.33 ng/ml



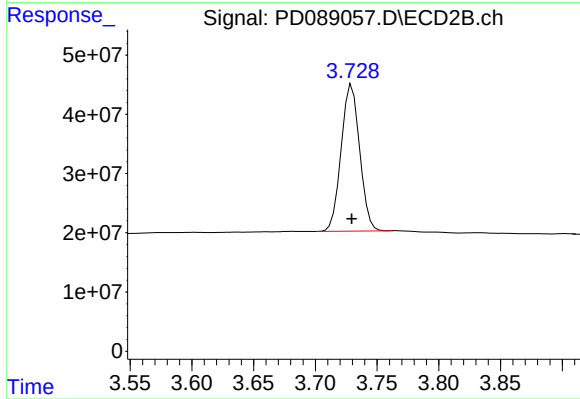
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 51861293
Conc: 9.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

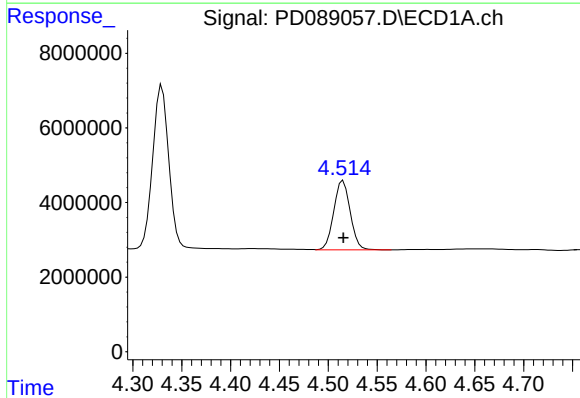
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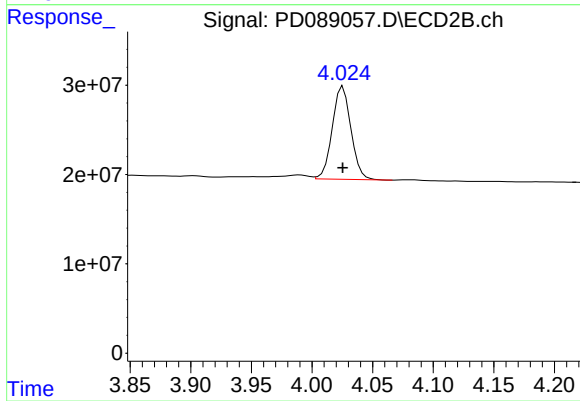
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 258376017
Conc: 10.44 ng/ml



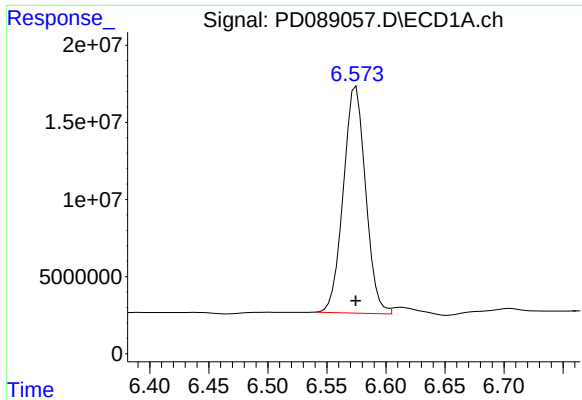
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 21786058
Conc: 9.87 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 111297491
Conc: 10.36 ng/ml



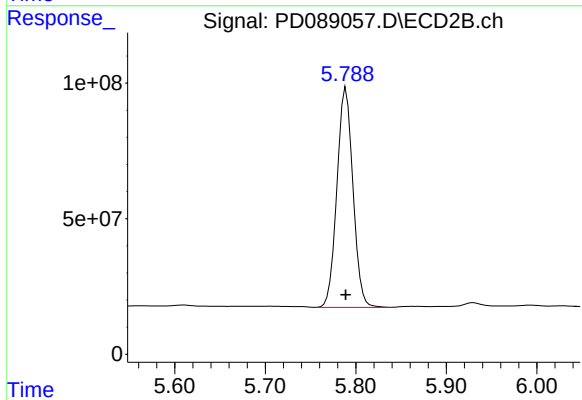
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 193004240
Conc: 46.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

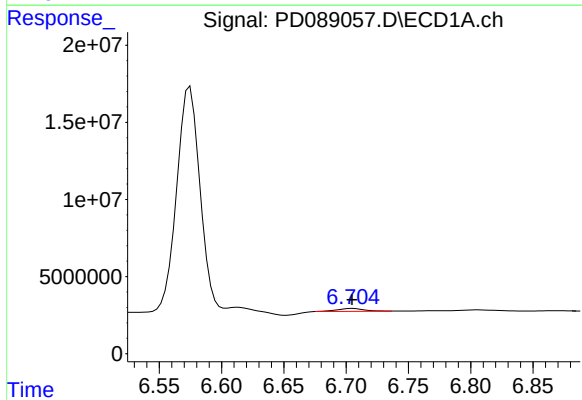
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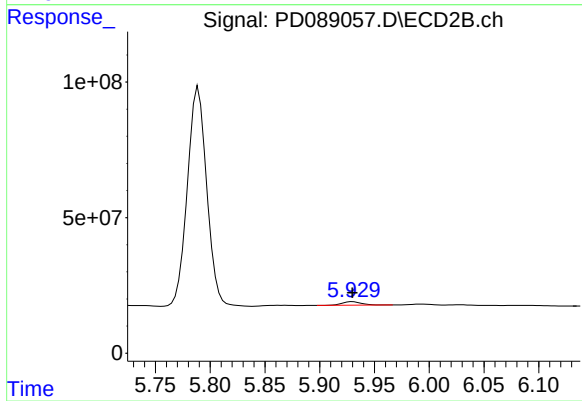
#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 995591934
Conc: 45.85 ng/ml



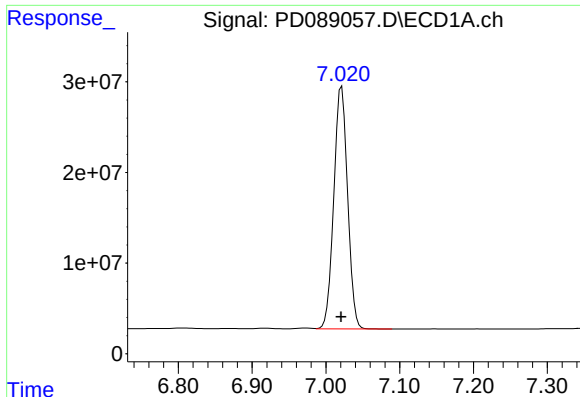
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.001 min
Response: 2921165
Conc: 0.85 ng/ml m



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 16181379
Conc: 0.85 ng/ml



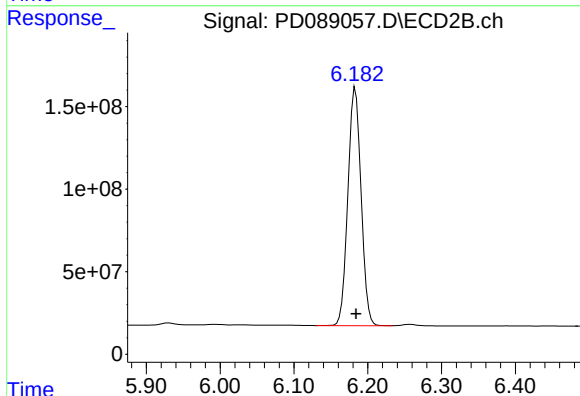
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 348390236
Conc: 91.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

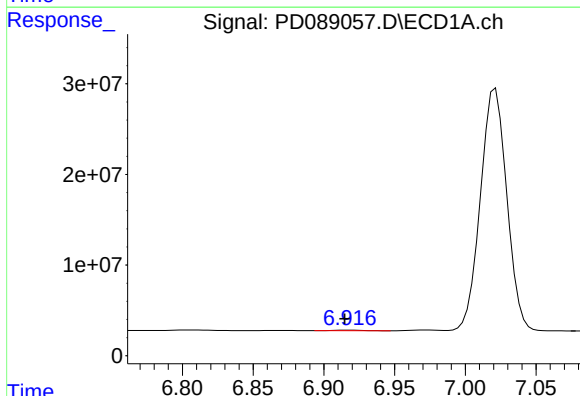
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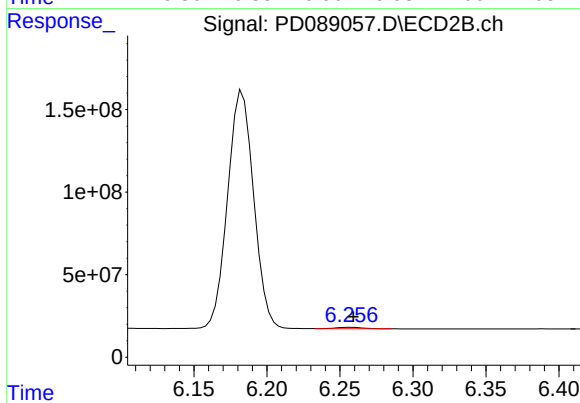
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 1794777223
Conc: 88.50 ng/ml



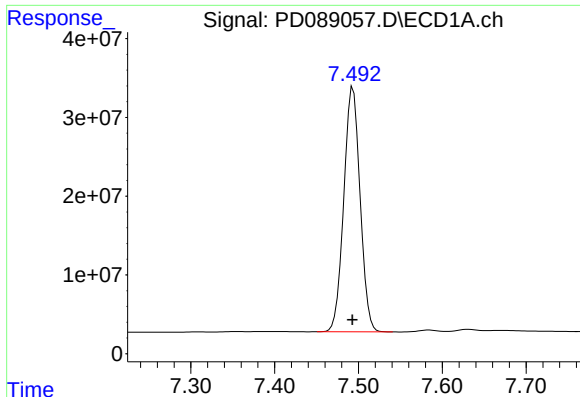
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.003 min
Response: 931974
Conc: 0.30 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 10970464
Conc: 0.72 ng/ml m



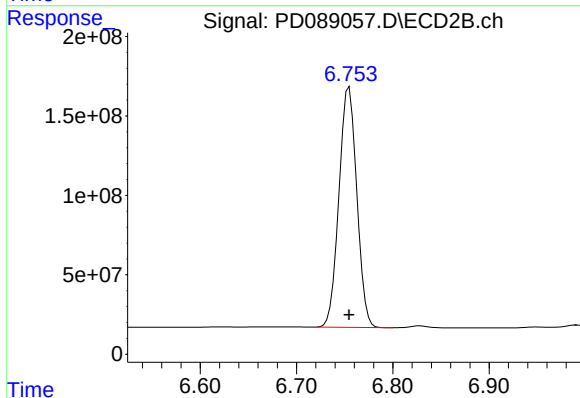
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 420809985
Conc: 208.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

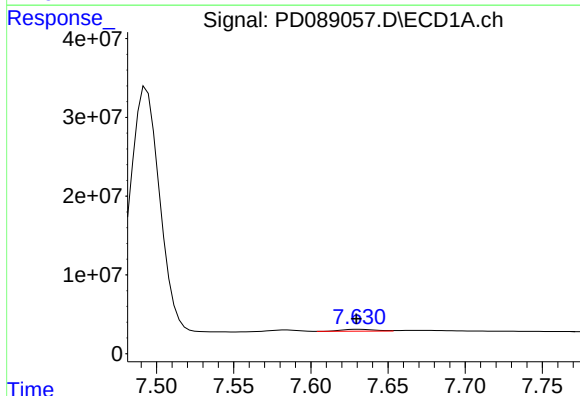
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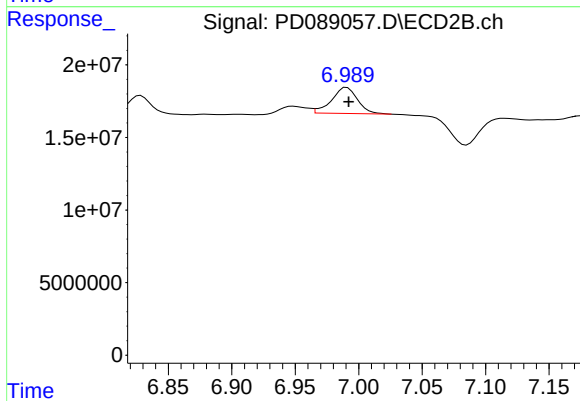
#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: 0.000 min
Response: 1943050516
Conc: 180.45 ng/ml



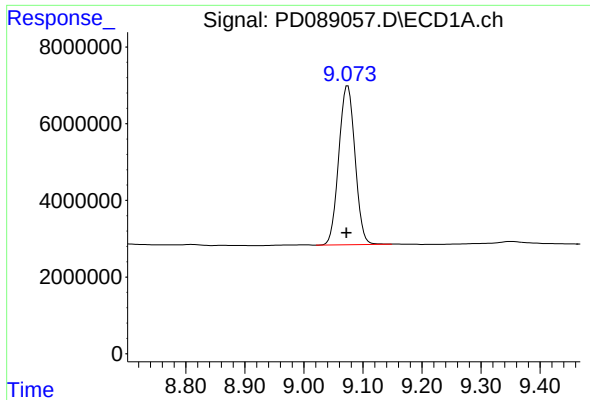
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 3813431
Conc: 0.94 ng/ml m



#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 25307789
Conc: 1.17 ng/ml m



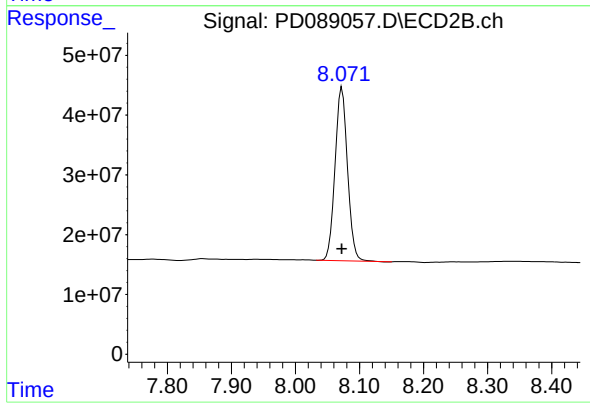
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 79217811
Conc: 20.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 391397007
Conc: 19.80 ng/ml