

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070325\
 Data File : PD089302.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 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 07/03/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:39:15 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	2.879	56125448	347.7E6	19.672	20.507m
28)	SA Decachlor...	9.073	8.071	75946033	385.0E6	19.336	19.474
Target Compounds							
2)	A alpha-BHC	3.999	3.391	53571484	286.4E6	9.190	10.686m
3)	MA gamma-BHC...	4.330	3.729	53894218	259.1E6	9.656	10.467
6)	B beta-BHC	4.516	4.025	22548331	111.3E6	10.216	10.354
12)	B 4,4'-DDE	6.195	5.373	894438	6561444	0.205	0.286m#
14)	MA Endrin	6.573	5.788	187.0E6	1011.2E6	45.327m	46.569
16)	A 4,4'-DDD	6.705	5.928	25082872	123.3E6	7.308	6.444
17)	MA 4,4'-DDT	7.021	6.182	304.3E6	1597.8E6	80.329	78.790
18)	B Endrin al...	6.915	6.257	3329862	30057446	1.087	1.963 #
20)	A Methoxychlor	7.493	6.753	362.8E6	1698.8E6	179.549	157.764
21)	B Endrin ke...	7.630	6.990	8578028	76142476	2.106	3.525 #

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

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Data File : PD089302.D
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Acq On : 02 Jul 2025 09:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

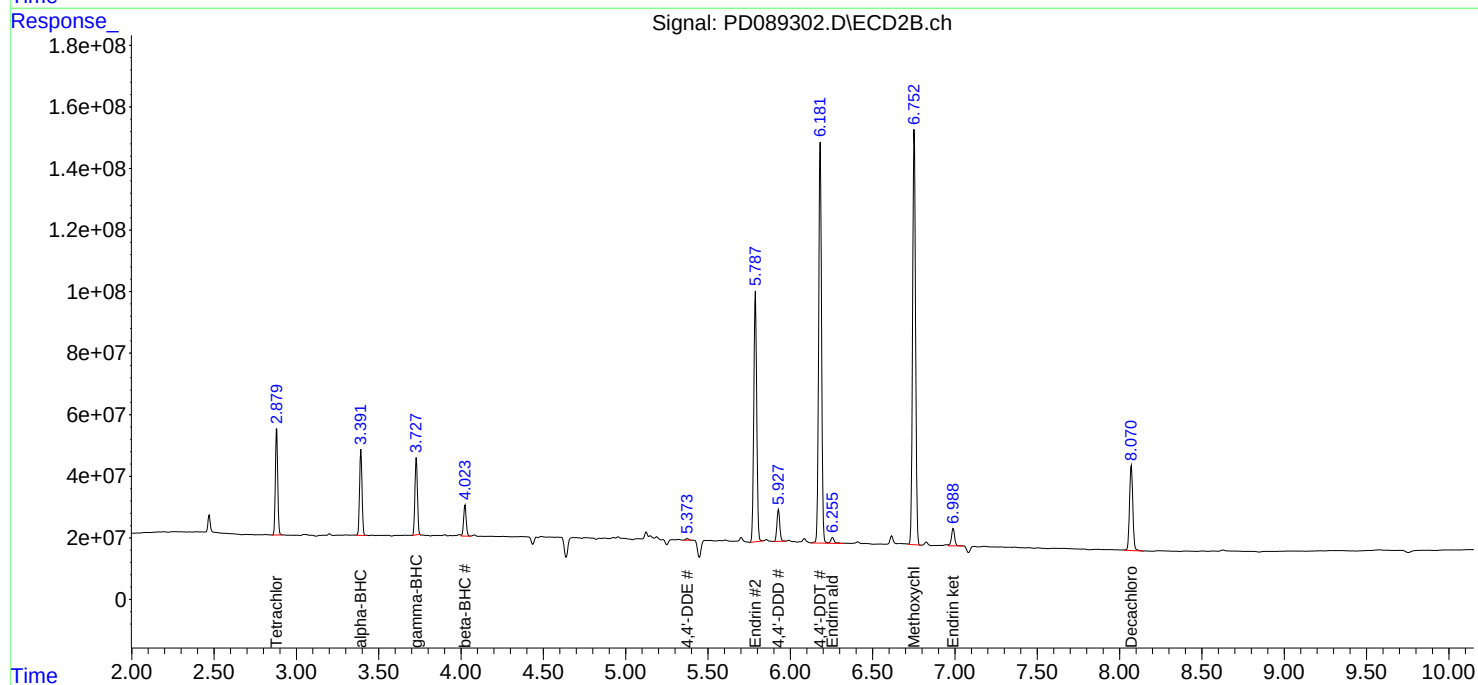
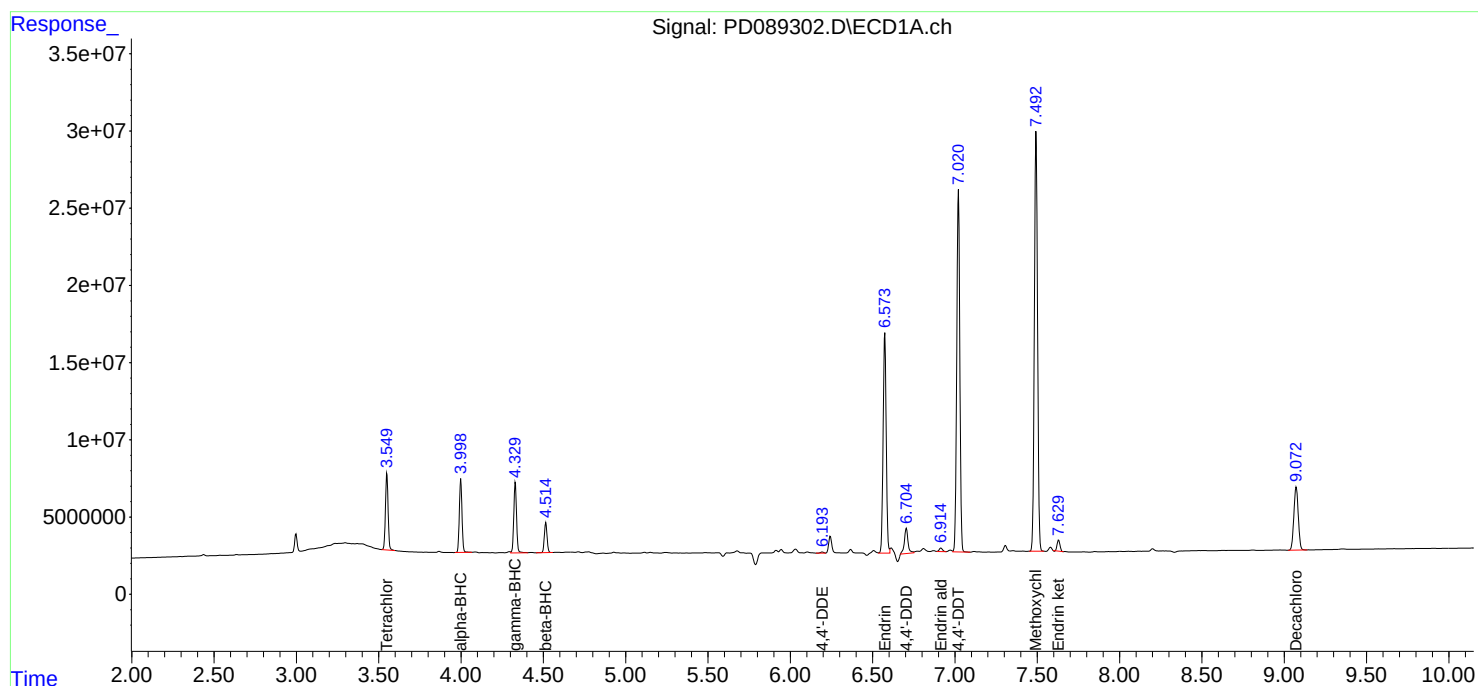
Instrument :
ECD_D
ClientSampleId :
PEM

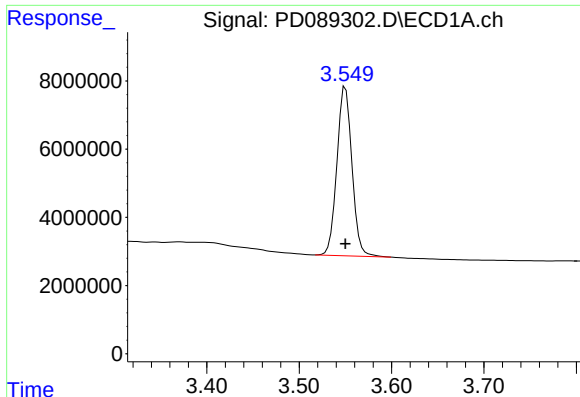
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Integration File signal 1: autoint1.e
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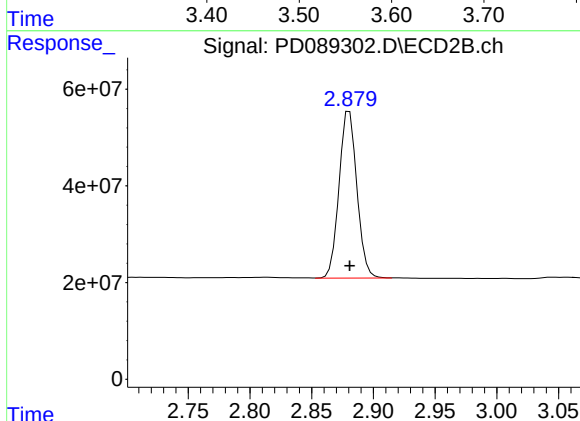
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 56125448
Conc: 19.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

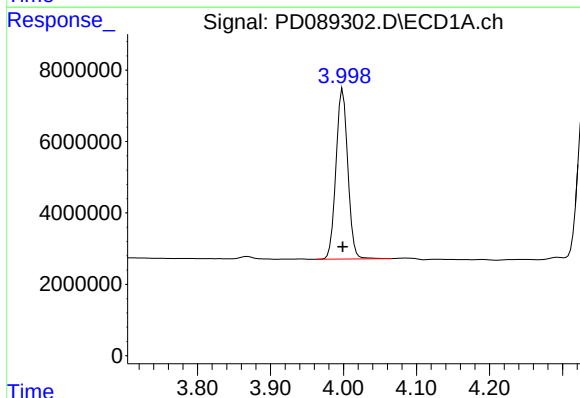
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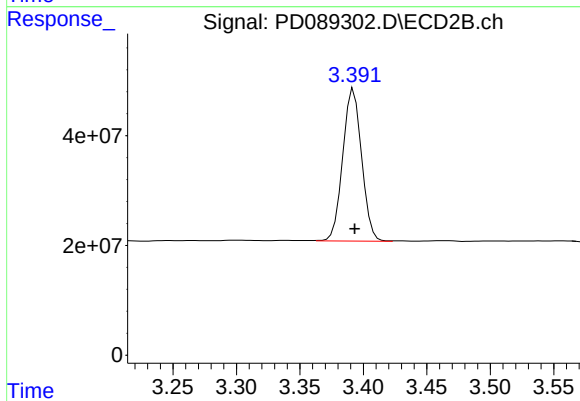
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 347651309
Conc: 20.51 ng/ml m



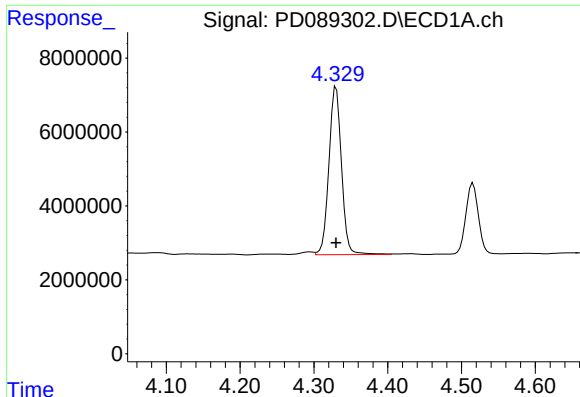
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 53571484
Conc: 9.19 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 286361036
Conc: 10.69 ng/ml m



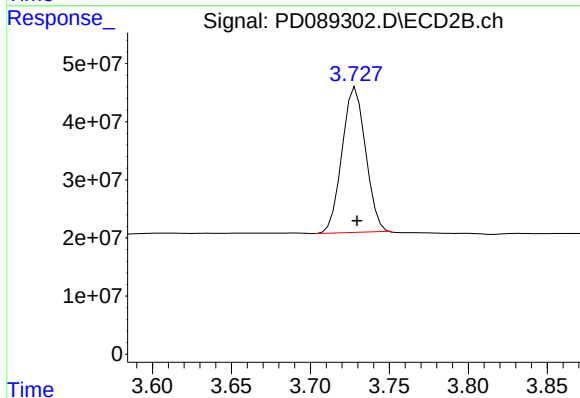
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 53894218
Conc: 9.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

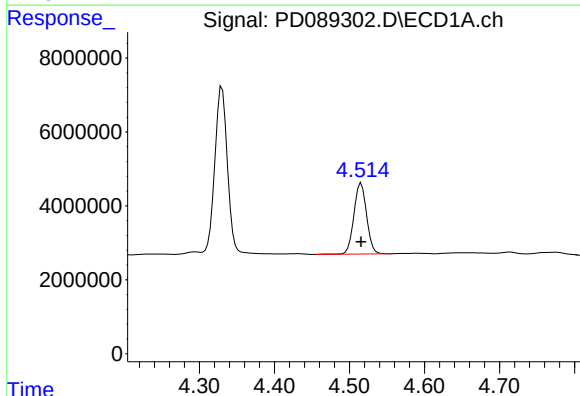
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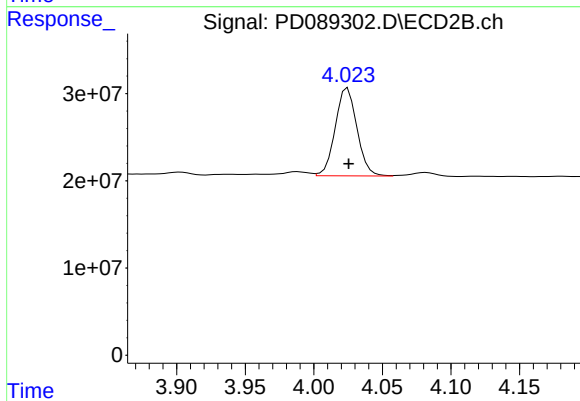
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 259123601
Conc: 10.47 ng/ml



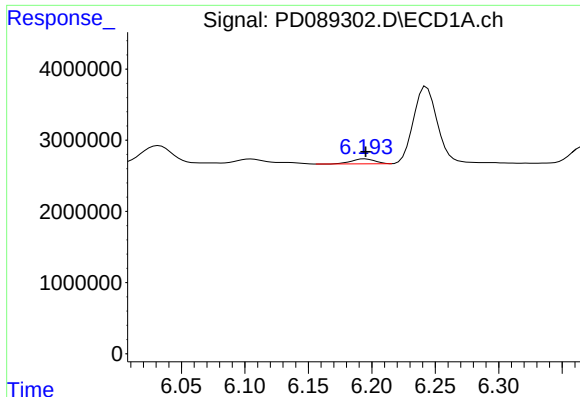
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 22548331
Conc: 10.22 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 111269465
Conc: 10.35 ng/ml



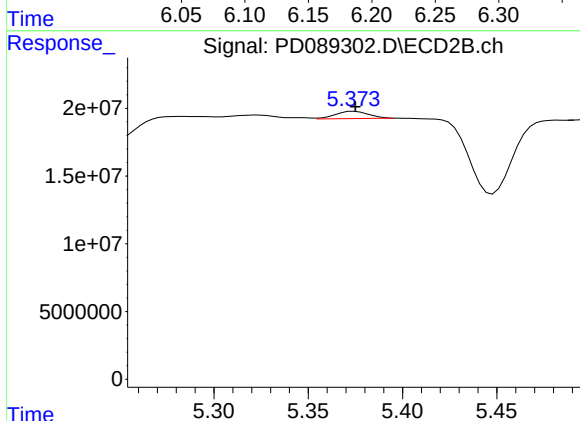
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 894438
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

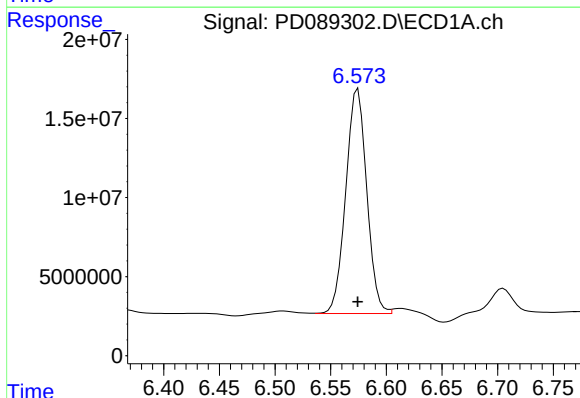
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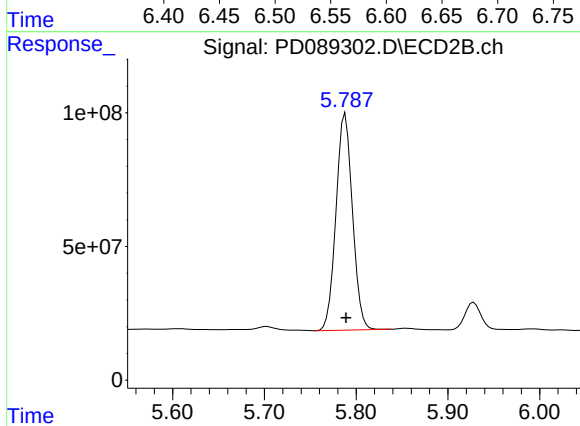
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.003 min
Response: 6561444
Conc: 0.29 ng/ml m



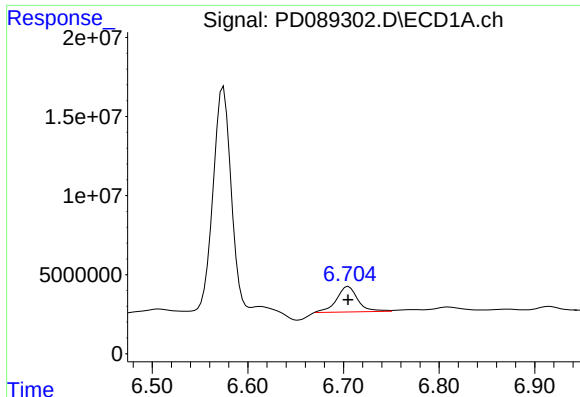
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 186999071
Conc: 45.33 ng/ml m



#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 1011191582
Conc: 46.57 ng/ml



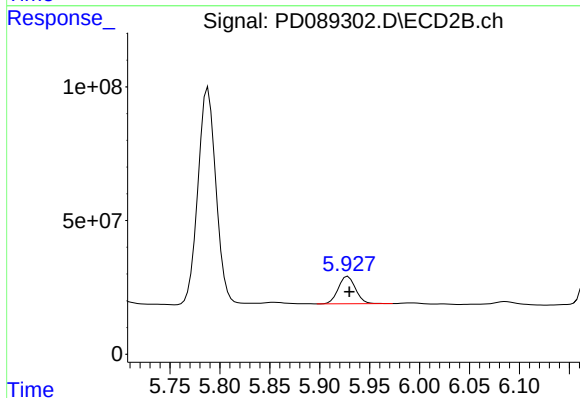
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 25082872
Conc: 7.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

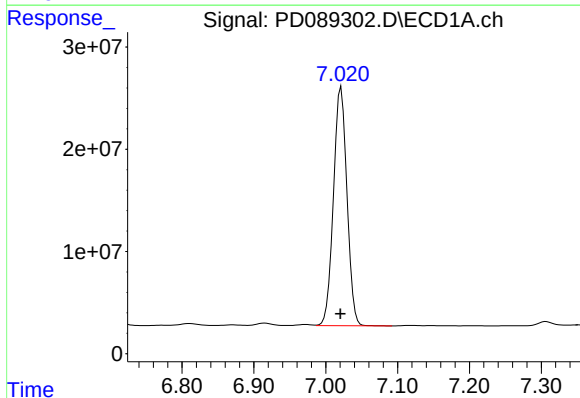
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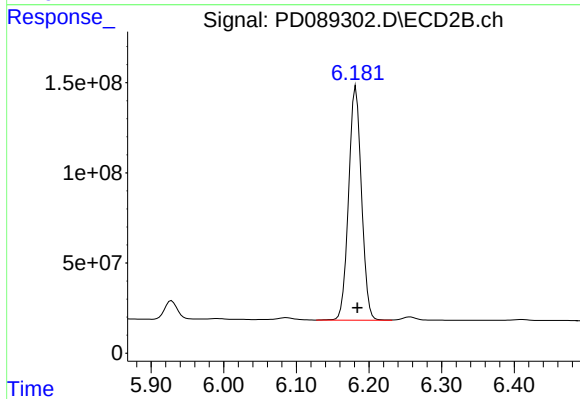
#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 123272749
Conc: 6.44 ng/ml



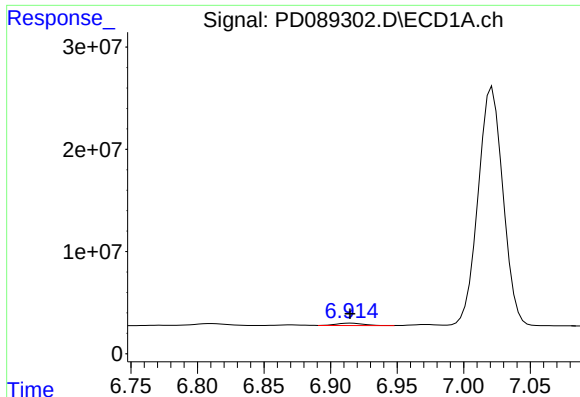
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.001 min
Response: 304303367
Conc: 80.33 ng/ml



#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 1597802062
Conc: 78.79 ng/ml



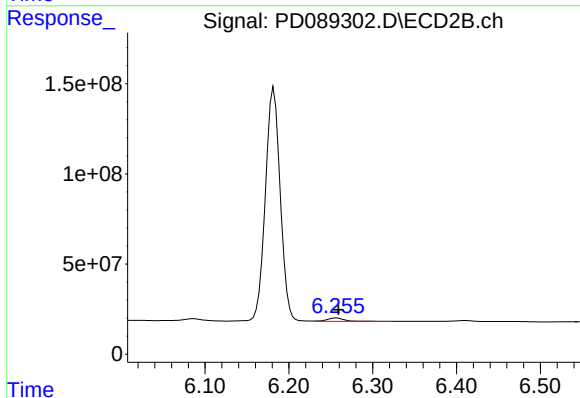
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 3329862
Conc: 1.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

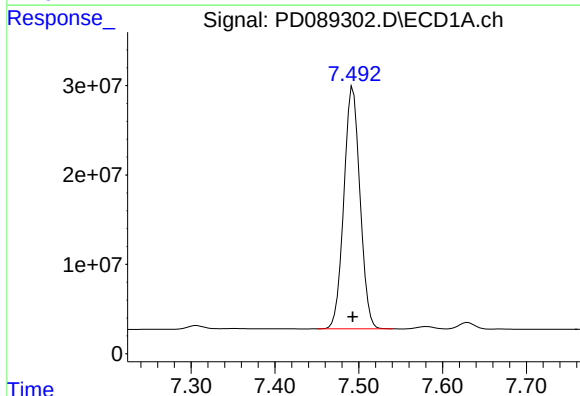
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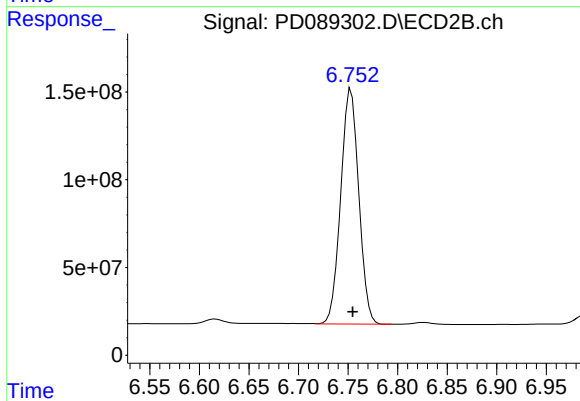
#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 30057446
Conc: 1.96 ng/ml



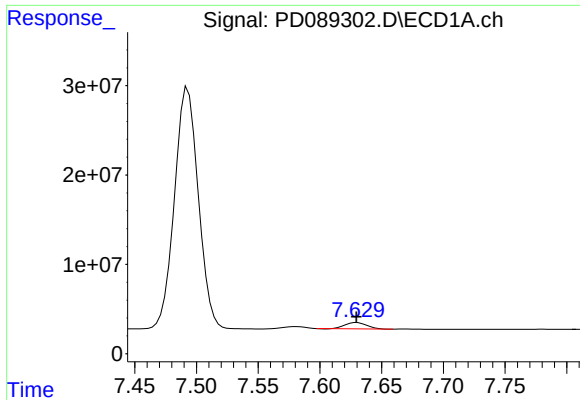
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 362802184
Conc: 179.55 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 1698817192
Conc: 157.76 ng/ml



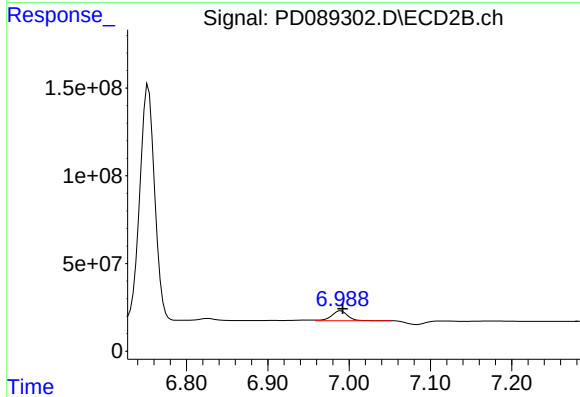
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 8578028
Conc: 2.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

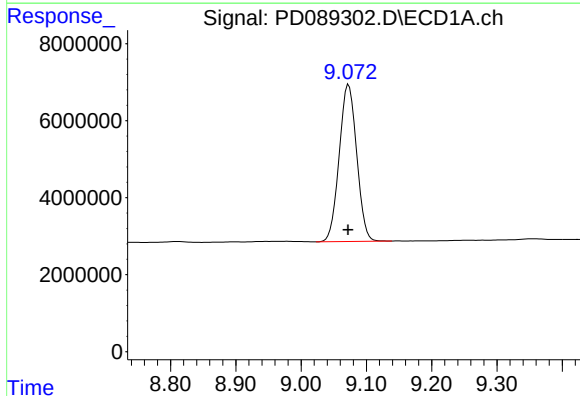
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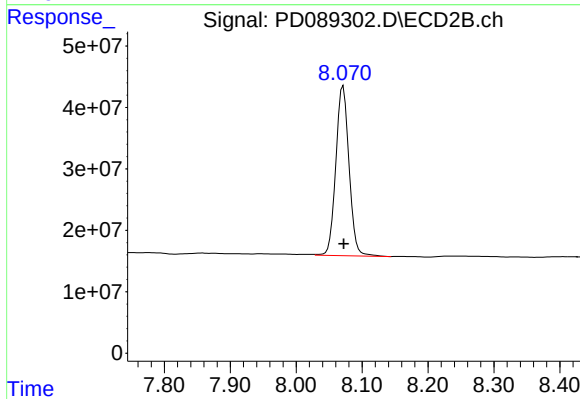
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 76142476
Conc: 3.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 75946033
Conc: 19.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 385006998
Conc: 19.47 ng/ml