

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
 Data File : PD089451.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 10:20
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 11 22:49:11 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	61946166	408.3E6	21.712	24.084
28)	SA Decachlor...	9.072	8.069	78252302	391.6E6	19.924	19.807
Target Compounds							
2)	A alpha-BHC	3.998	3.391	59413516	336.0E6	10.193	12.539
3)	MA gamma-BHC...	4.329	3.728	59485151	304.3E6	10.657	12.291
6)	B beta-BHC	4.515	4.023	24761652	134.4E6	11.219	12.505
12)	B 4,4'-DDE	6.194	5.373	751157	2917134	0.172m	0.127 #
14)	MA Endrin	6.574	5.786	209.2E6	1138.1E6	50.706	52.412
16)	A 4,4'-DDD	6.704	5.927	9257615	62882277	2.697	3.287
17)	MA 4,4'-DDT	7.021	6.180	364.3E6	2014.1E6	96.159	99.317
18)	B Endrin al...	6.915	6.254	1952386	19126019	0.637	1.249m#
20)	A Methoxychlor	7.492	6.751	429.0E6	2017.3E6	212.293	187.340
21)	B Endrin ke...	7.629	6.988	6237220	55797119	1.531	2.583 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
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Acq On : 11 Jul 2025 10:20
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

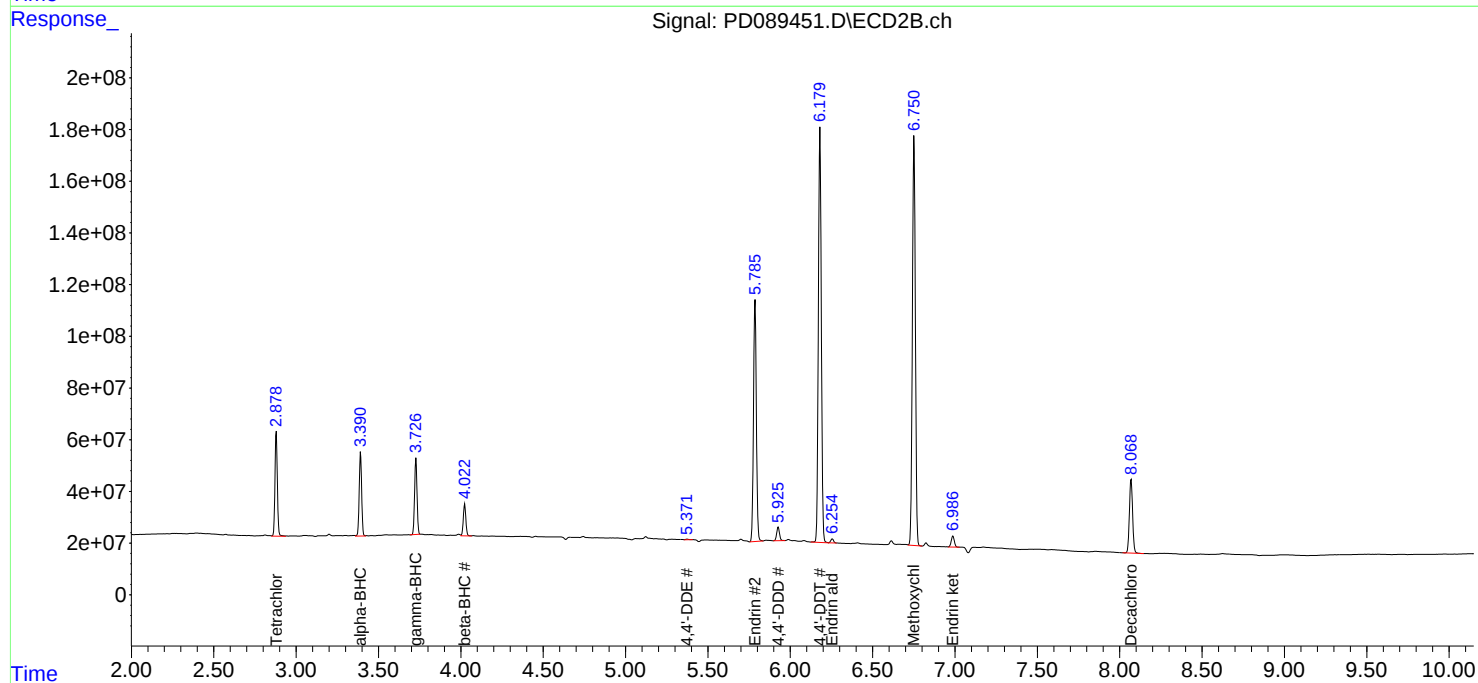
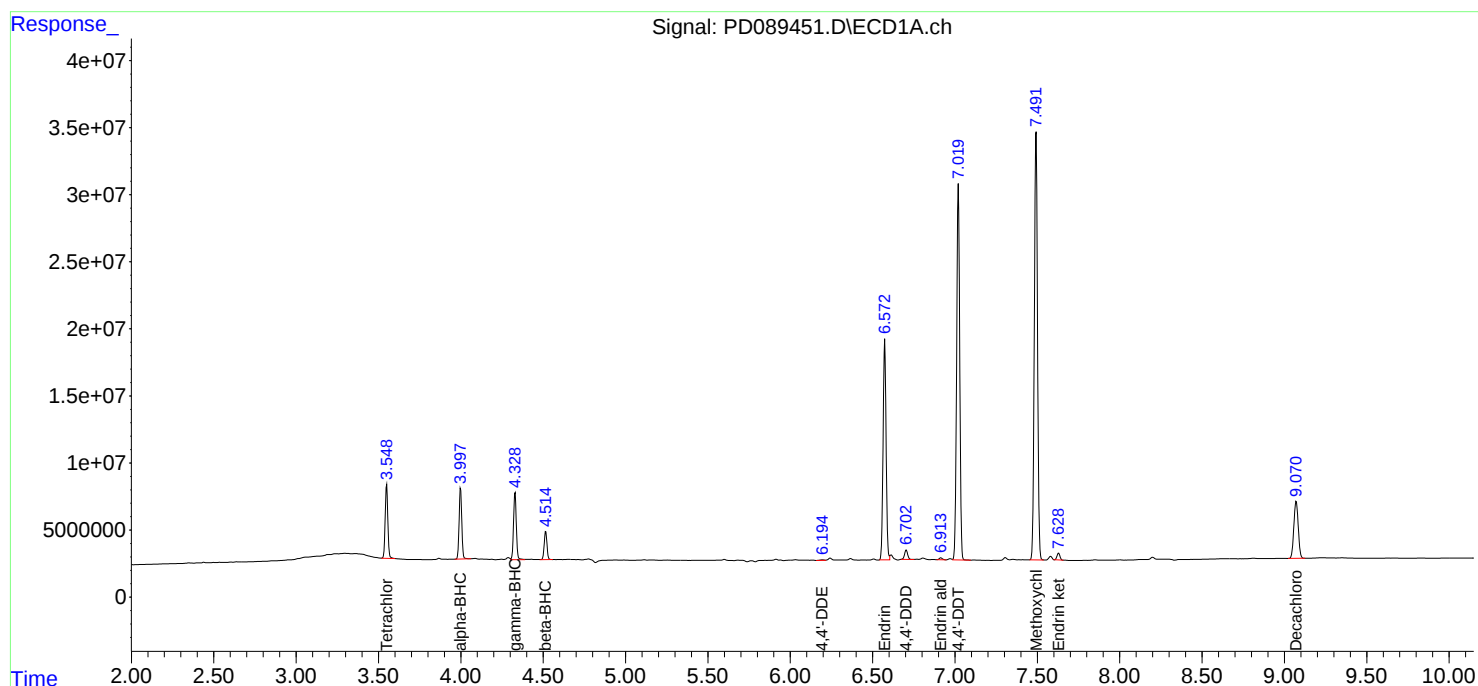
Instrument :
ECD_D
ClientSampleId :
PEM

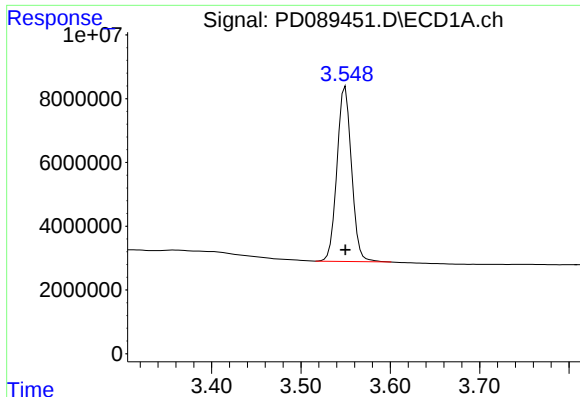
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Integration File signal 1: autoint1.e
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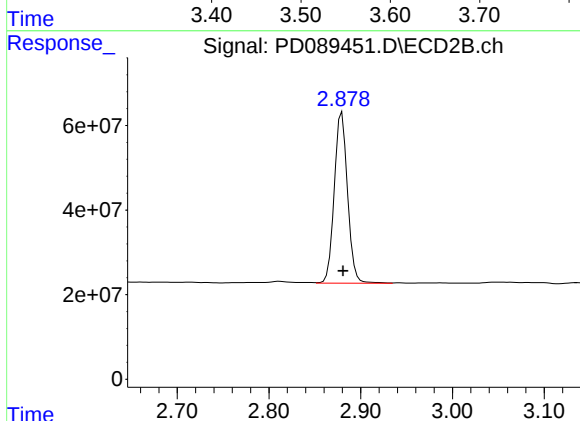
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 61946166
Conc: 21.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

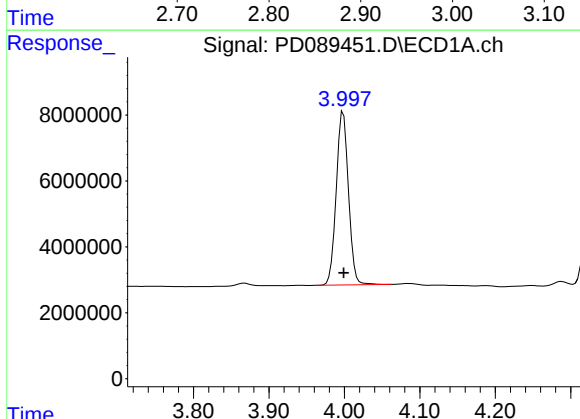
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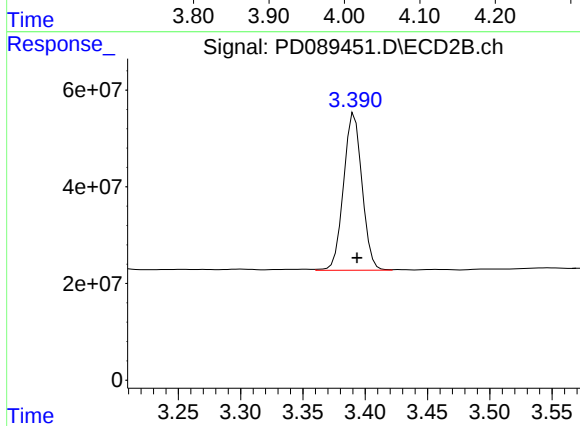
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 408302917
Conc: 24.08 ng/ml



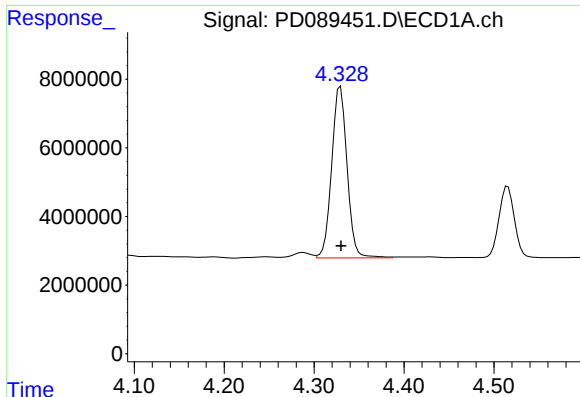
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 59413516
Conc: 10.19 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 335999724
Conc: 12.54 ng/ml



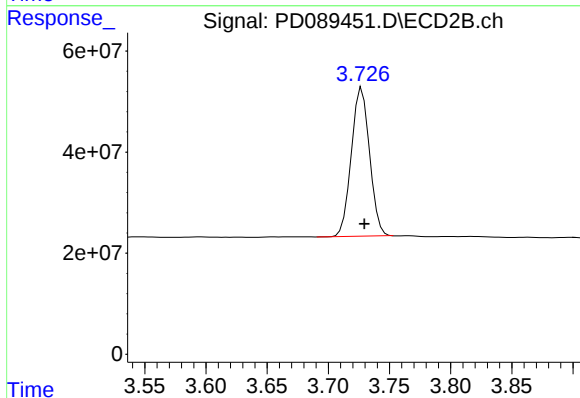
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 59485151
Conc: 10.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

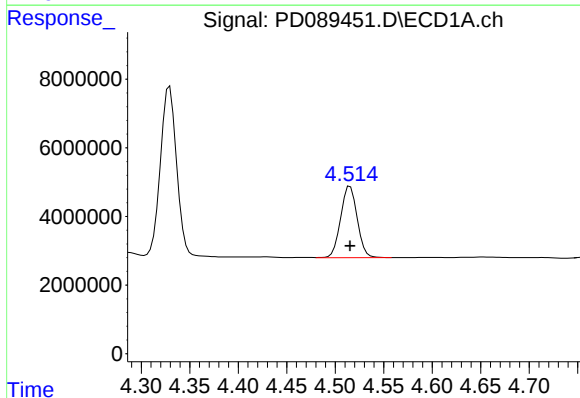
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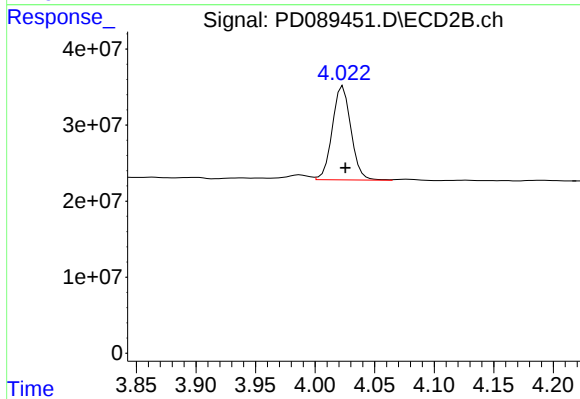
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 304279915
Conc: 12.29 ng/ml



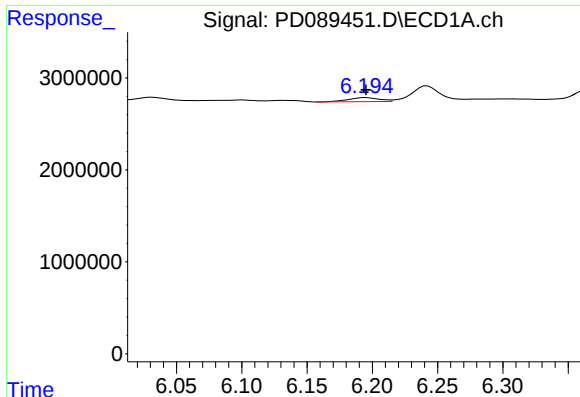
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 24761652
Conc: 11.22 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: -0.002 min
Response: 134380516
Conc: 12.50 ng/ml



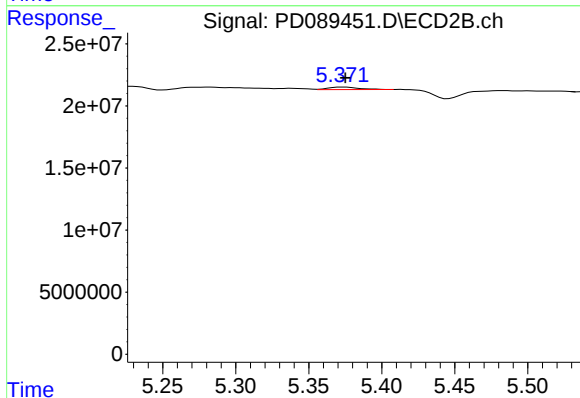
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: -0.002 min
Response: 751157
Conc: 0.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

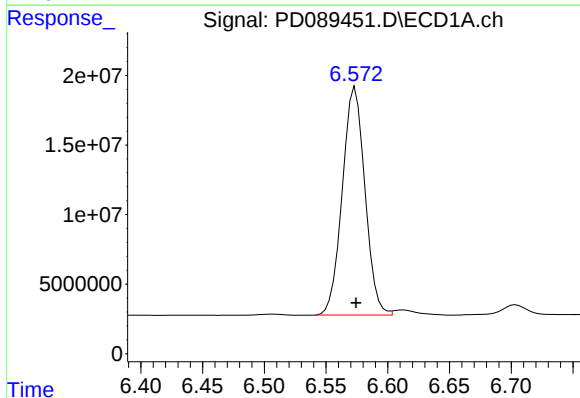
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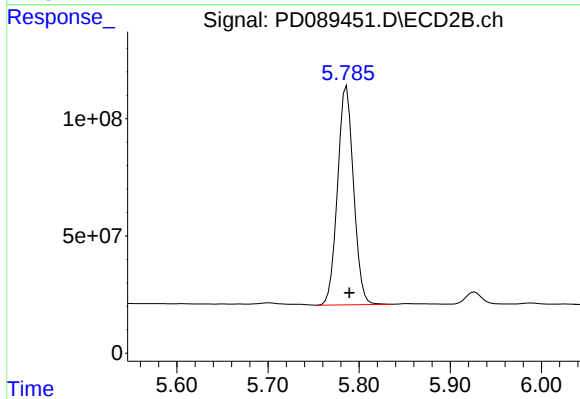
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 2917134
Conc: 0.13 ng/ml



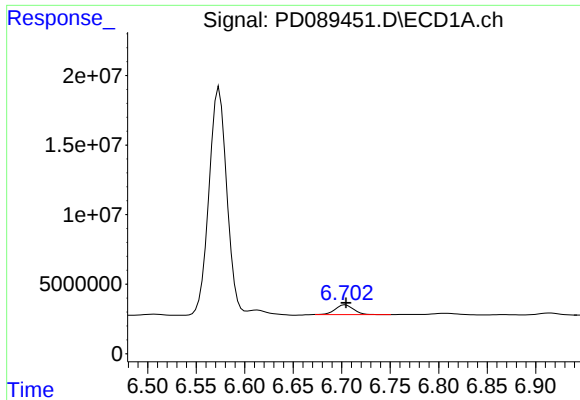
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 209190736
Conc: 50.71 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 1138070076
Conc: 52.41 ng/ml



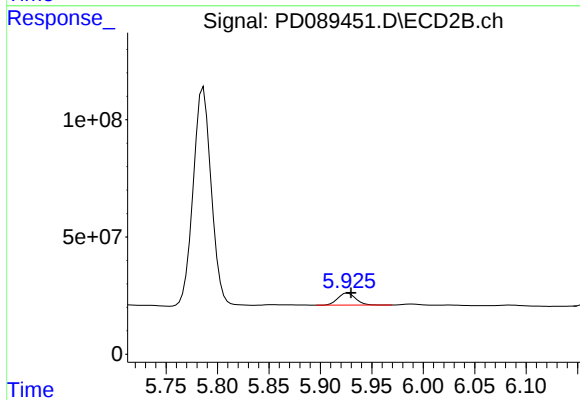
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 9257615
Conc: 2.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

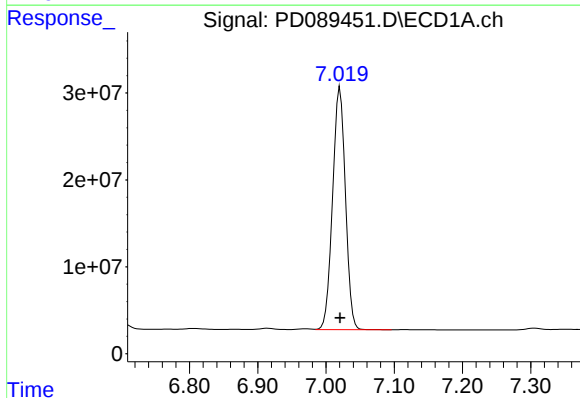
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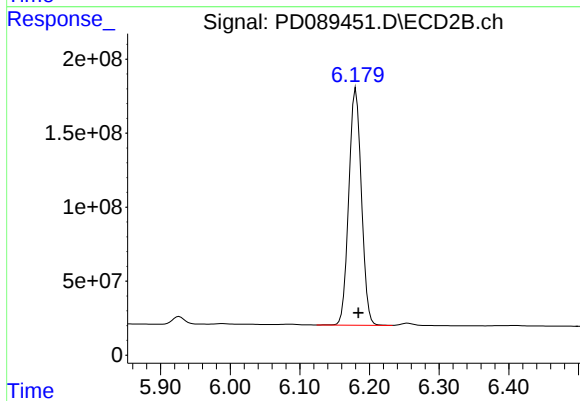
#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 62882277
Conc: 3.29 ng/ml



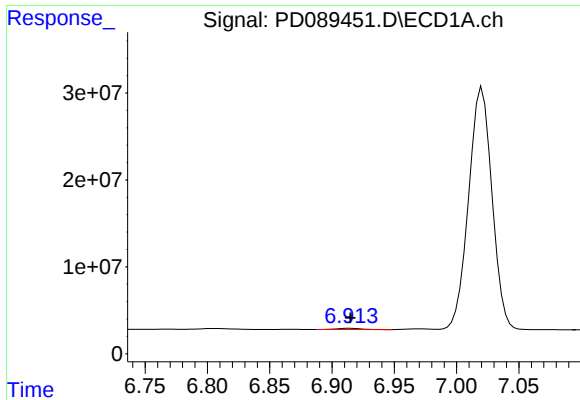
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 364269700
Conc: 96.16 ng/ml



#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 2014089263
Conc: 99.32 ng/ml



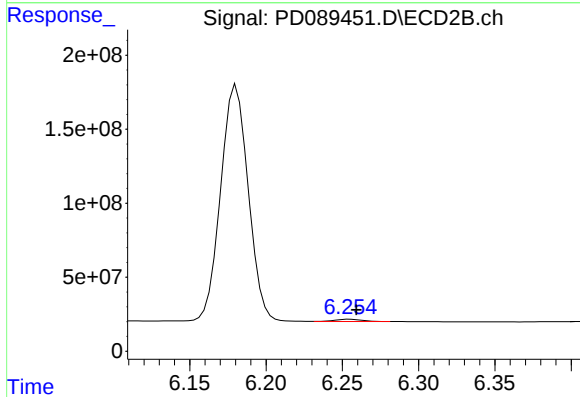
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 1952386
Conc: 0.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

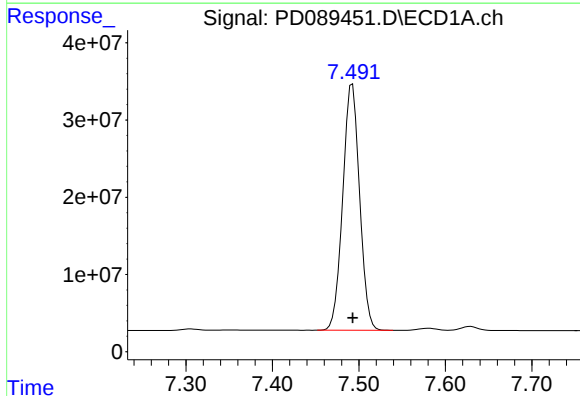
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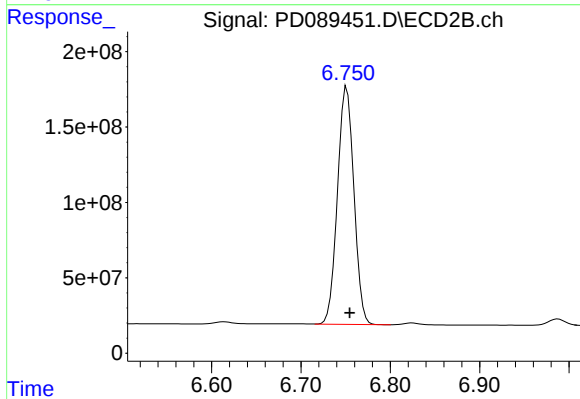
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.006 min
Response: 19126019
Conc: 1.25 ng/ml m



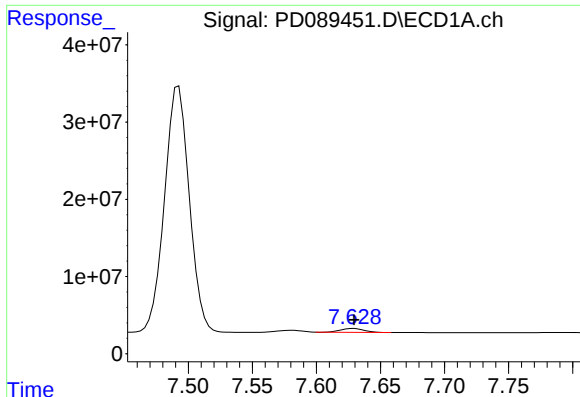
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 428965852
Conc: 212.29 ng/ml



#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: -0.003 min
Response: 2017296001
Conc: 187.34 ng/ml



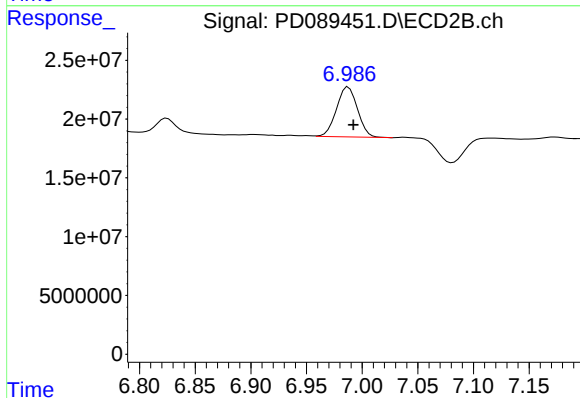
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 6237220
Conc: 1.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

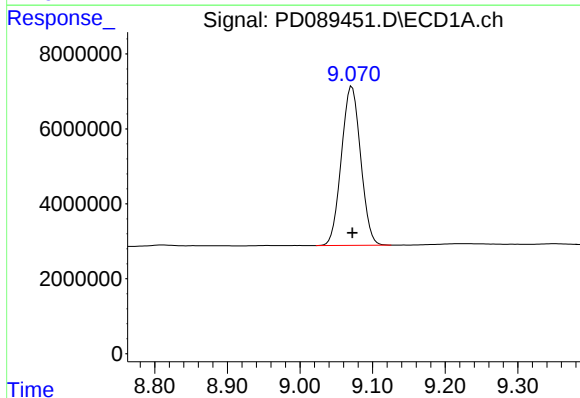
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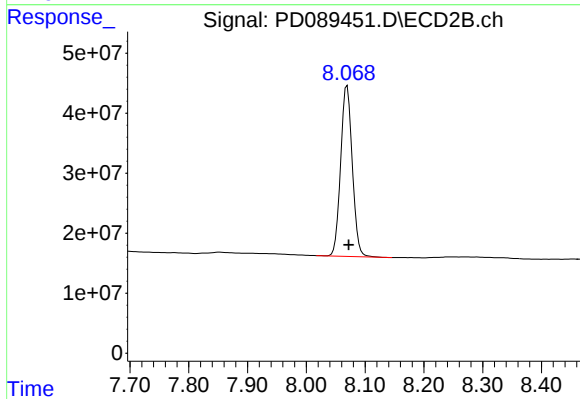
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 55797119
Conc: 2.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 78252302
Conc: 19.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 391583283
Conc: 19.81 ng/ml