

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070325\
 Data File : PD089311.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 18:41
 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 01:41:53 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	57200030	368.0E6	20.048	21.704
28)	SA Decachlor...	9.073	8.071	76089229	387.9E6	19.373	19.619
Target Compounds							
2)	A alpha-BHC	4.000	3.393	54461253	301.3E6	9.343	11.245
3)	MA gamma-BHC...	4.331	3.728	54676531	271.4E6	9.796	10.961m
6)	B beta-BHC	4.516	4.026	22668715	113.5E6	10.271	10.561
12)	B 4,4'-DDE	6.195	5.374	788937	5305261	0.181	0.232m#
14)	MA Endrin	6.574	5.789	194.6E6	1068.2E6	47.165m	49.194
16)	A 4,4'-DDD	6.705	5.929	22831886	112.0E6	6.653	5.857
17)	MA 4,4'-DDT	7.022	6.183	319.6E6	1681.1E6	84.365	82.899
18)	B Endrin al...	6.916	6.258	3467034	21946316	1.132	1.433 #
20)	A Methoxychlor	7.493	6.753	381.5E6	1805.7E6	188.784	167.690
21)	B Endrin ke...	7.630	6.990	7983765	68454442	1.960	3.169 #

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

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Data File : PD089311.D
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Acq On : 02 Jul 2025 18:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

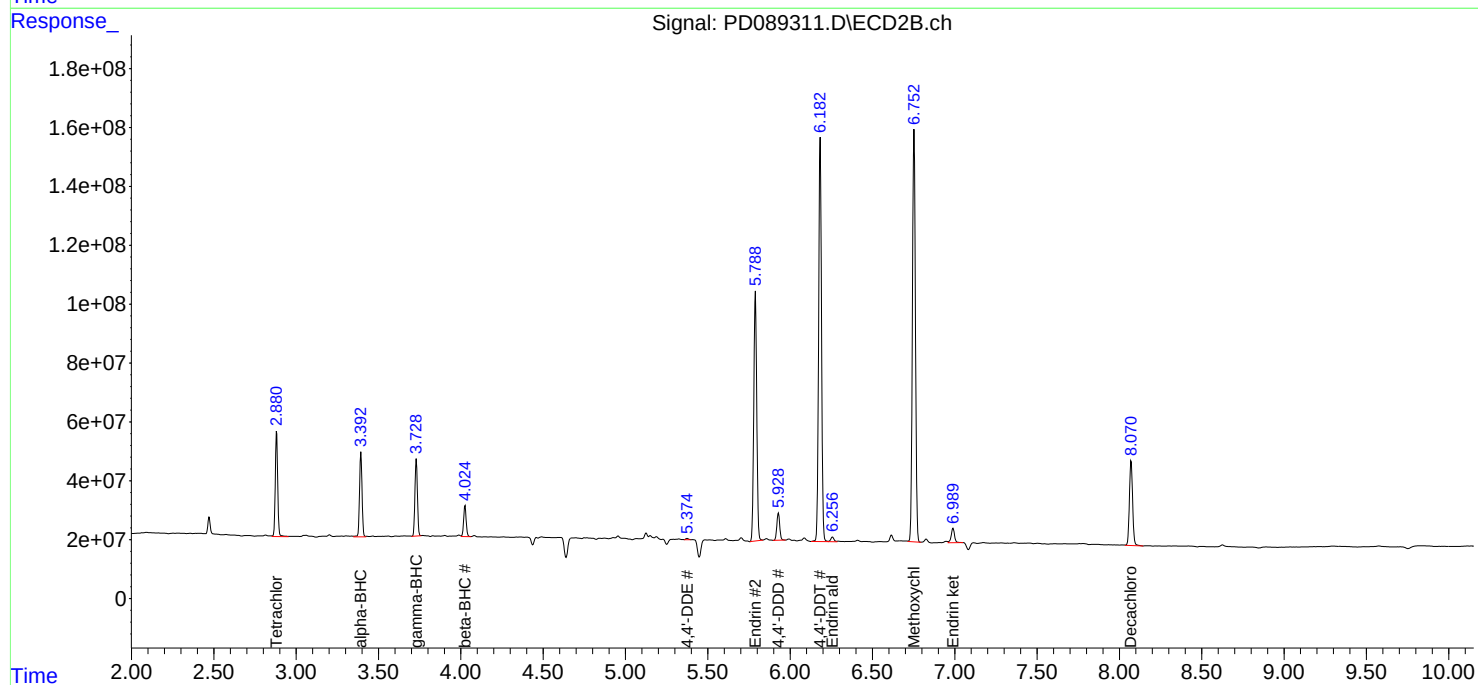
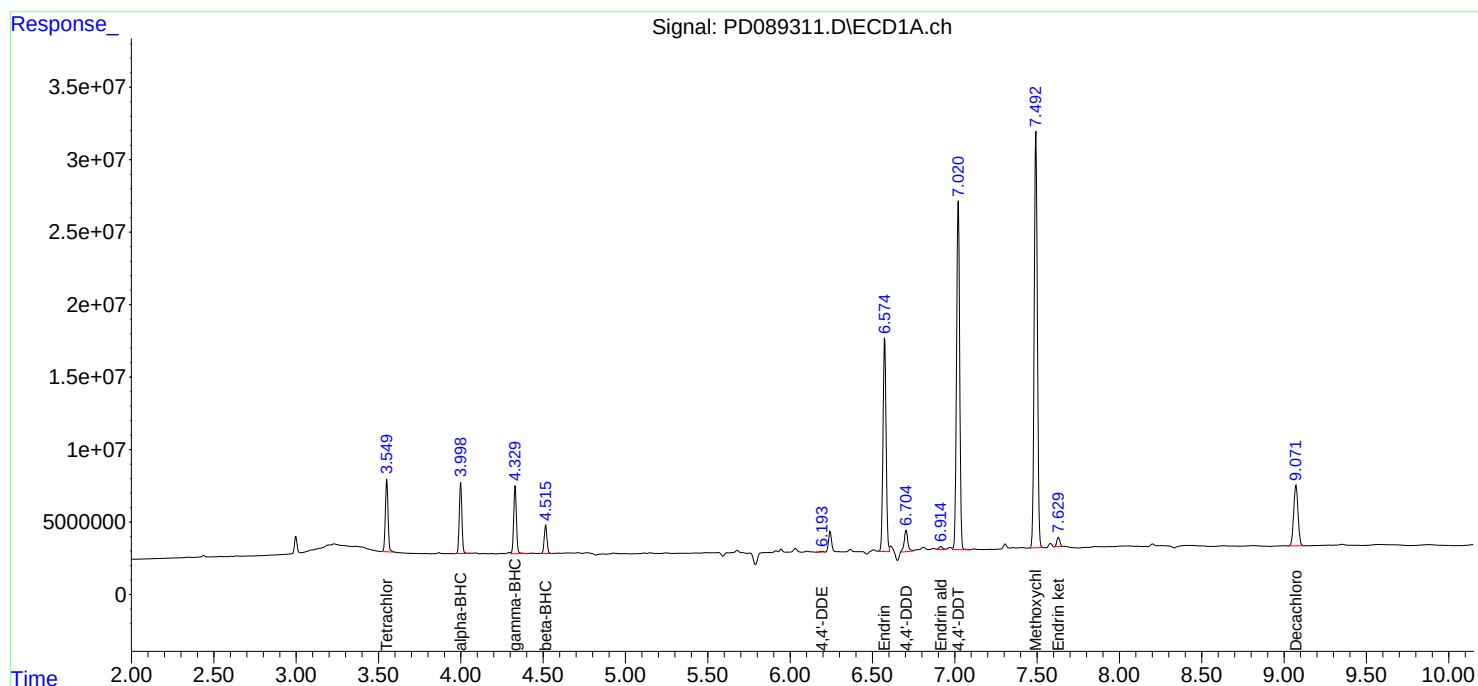
Instrument :
ECD_D
ClientSampleId :
PEM

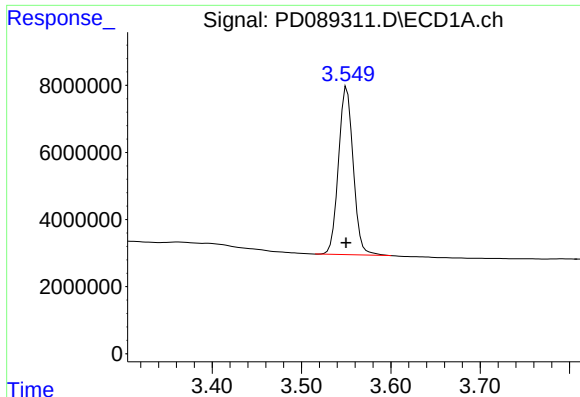
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Integration File signal 1: autoint1.e
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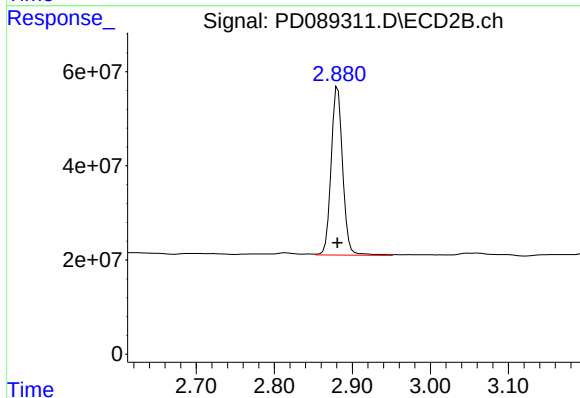
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 57200030
Conc: 20.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

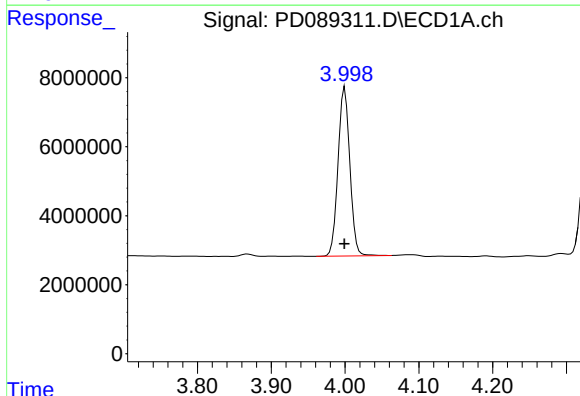
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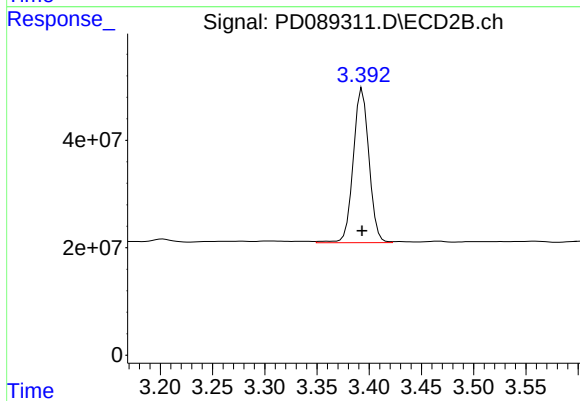
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 367954731
Conc: 21.70 ng/ml



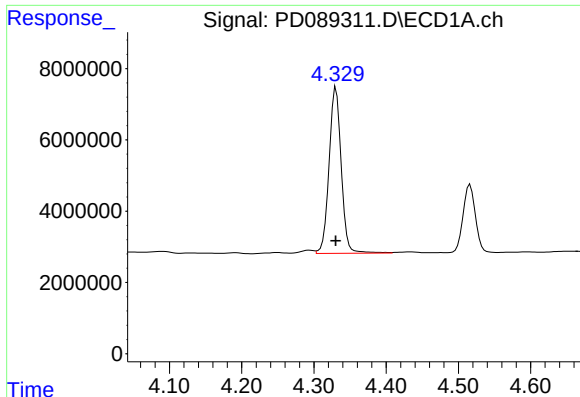
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 54461253
Conc: 9.34 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 301338335
Conc: 11.25 ng/ml



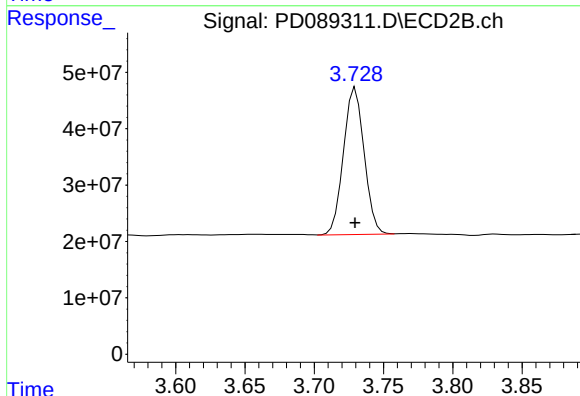
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 54676531
Conc: 9.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

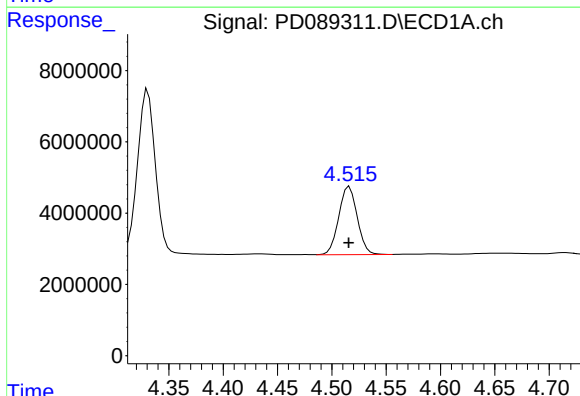
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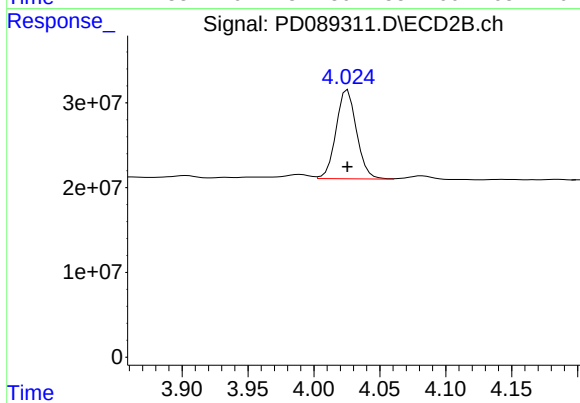
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 271351847
Conc: 10.96 ng/ml m



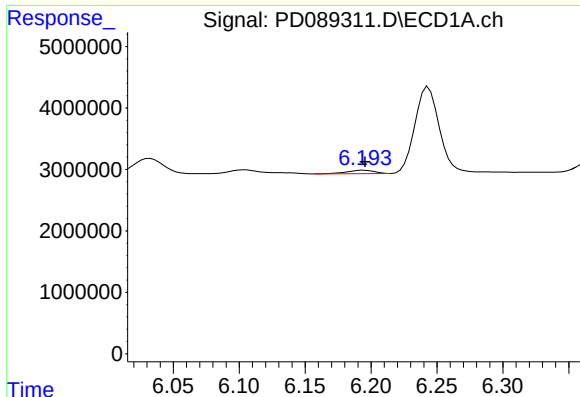
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 22668715
Conc: 10.27 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 113491983
Conc: 10.56 ng/ml



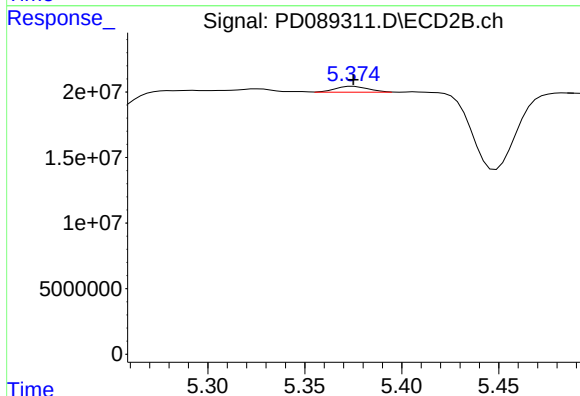
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 788937
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

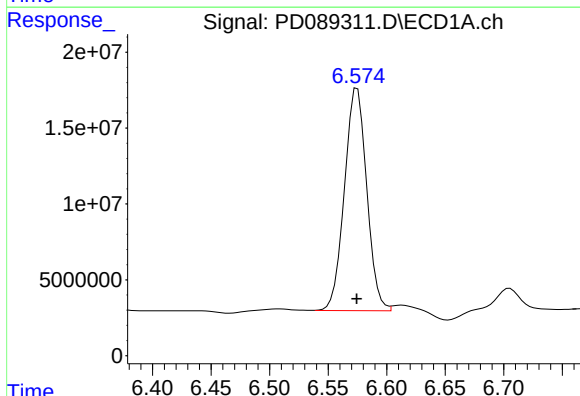
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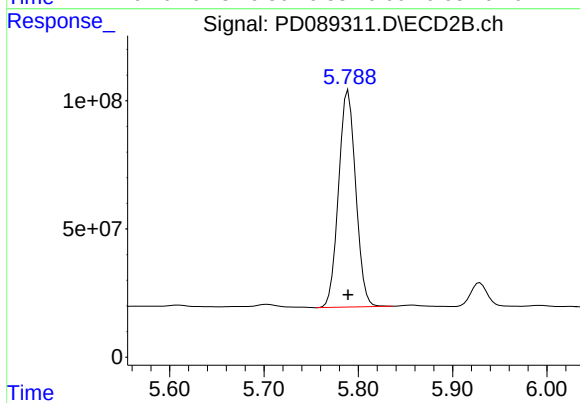
#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: -0.001 min
Response: 5305261
Conc: 0.23 ng/ml m



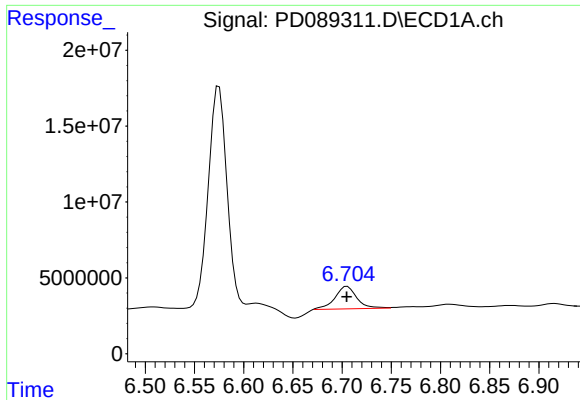
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 194583741
Conc: 47.17 ng/ml m



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 1068198730
Conc: 49.19 ng/ml



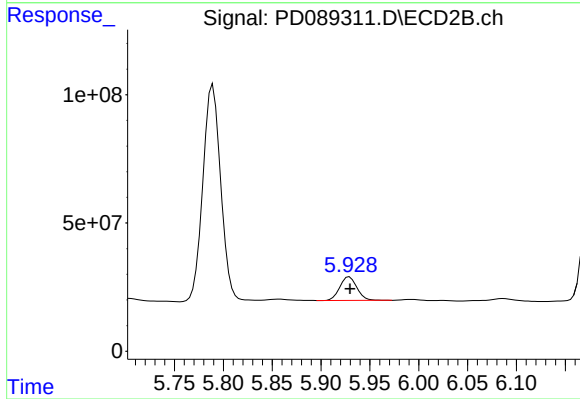
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 22831886
Conc: 6.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

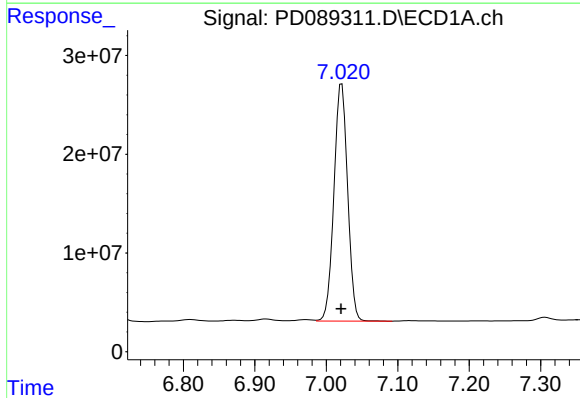
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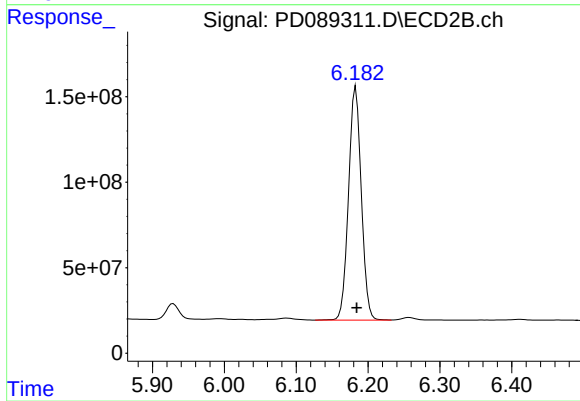
#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 112045550
Conc: 5.86 ng/ml



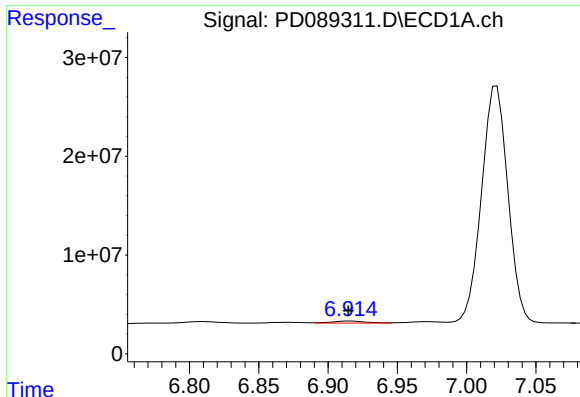
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.001 min
Response: 319591385
Conc: 84.36 ng/ml



#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 1681145101
Conc: 82.90 ng/ml



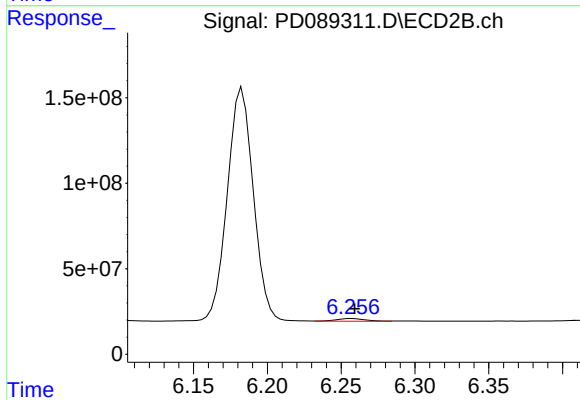
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.001 min
Response: 3467034
Conc: 1.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

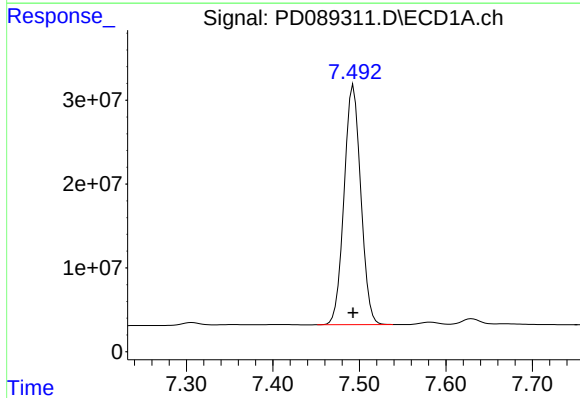
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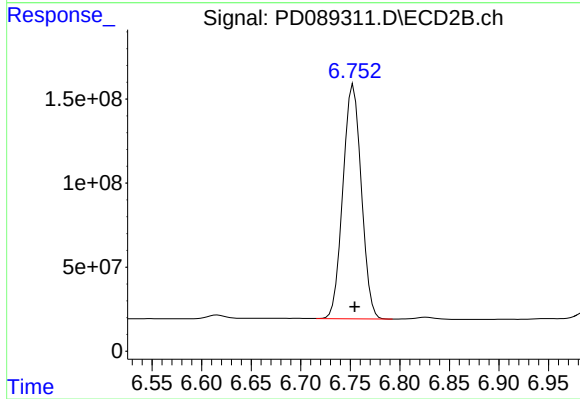
#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.002 min
Response: 21946316
Conc: 1.43 ng/ml



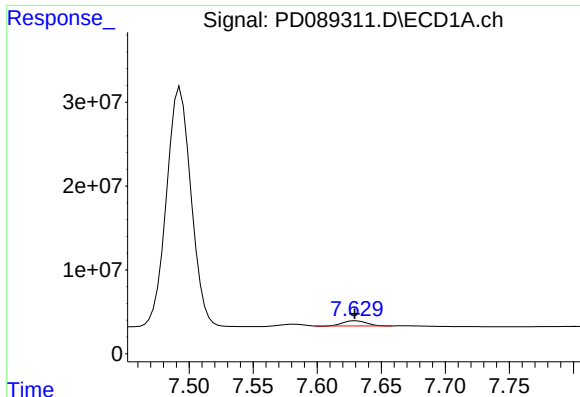
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 381461708
Conc: 188.78 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 1805701317
Conc: 167.69 ng/ml



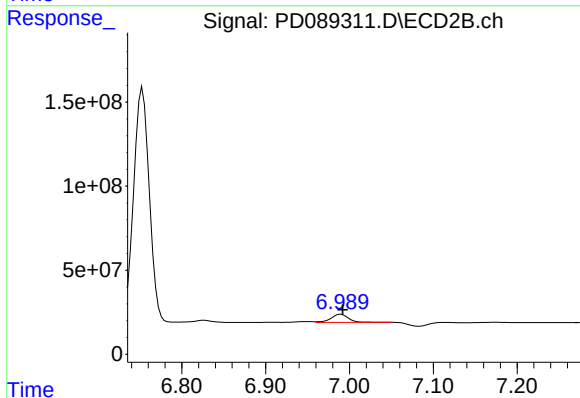
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 7983765
Conc: 1.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

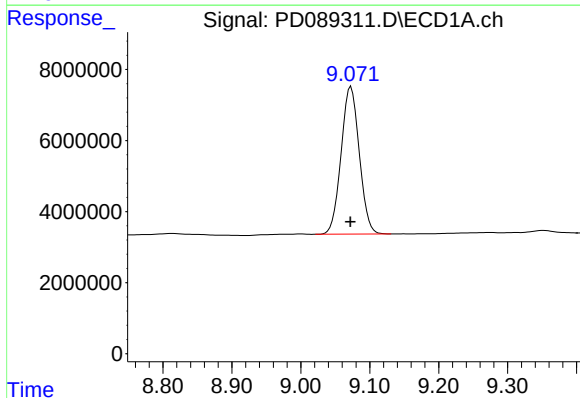
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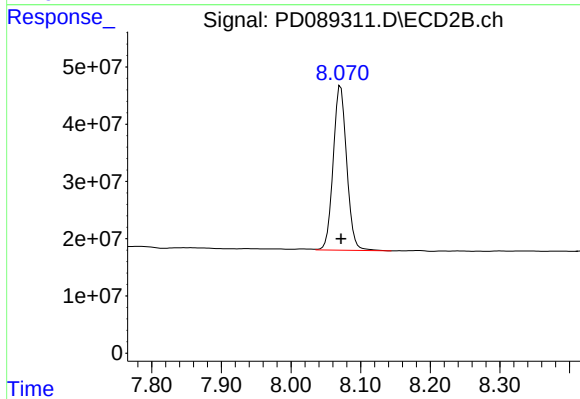
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 68454442
Conc: 3.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 76089229
Conc: 19.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 387869213
Conc: 19.62 ng/ml