

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD121525\
 Data File : PD091581.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Dec 2025 10:06
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 12/16/2025
 Supervised By : Yogesh Patel 12/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 16 01:10:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD120825.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 09 04:29:17 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...	3.540	2.870	72889826	903.4E6	20.986	22.927
28)	SA Decachlor...	9.058	8.053	102.3E6	975.4E6	19.686	23.555
Target Compounds							
2)	A alpha-BHC	3.989	3.381	71563783	758.5E6	8.889	11.126 #
3)	MA gamma-BHC...	4.319	3.717	69552340	705.8E6	9.254	12.553 #
6)	B beta-BHC	4.507	4.013	29460215	298.5E6	10.204	12.457
12)	B 4,4'-DDE	6.185	5.359	777531	8872026	0.134	0.162
14)	MA Endrin	6.562	5.773	253.5E6	2625.7E6	45.202	50.225
16)	A 4,4'-DDD	6.694	5.913	10870121	128.9E6	2.362	2.835
17)	MA 4,4'-DDT	7.009	6.166	445.7E6	4986.0E6	86.435	105.193
18)	B Endrin al...	6.903	6.241	2160513	41037322	0.517m	1.150 #
20)	A Methoxychlor	7.483	6.737	532.7E6	4671.7E6	198.186	197.972
21)	B Endrin ke...	7.619	6.974	9618361	109.5E6	1.707	2.250 #

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

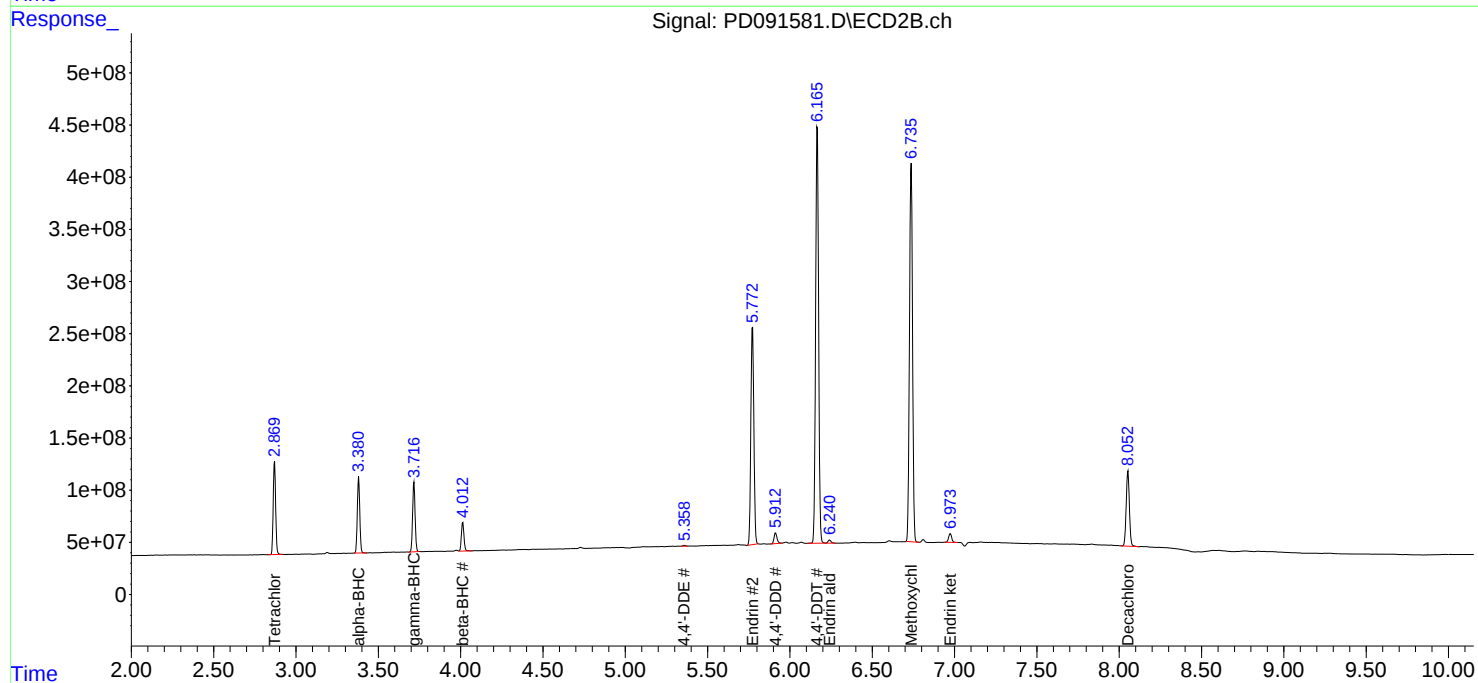
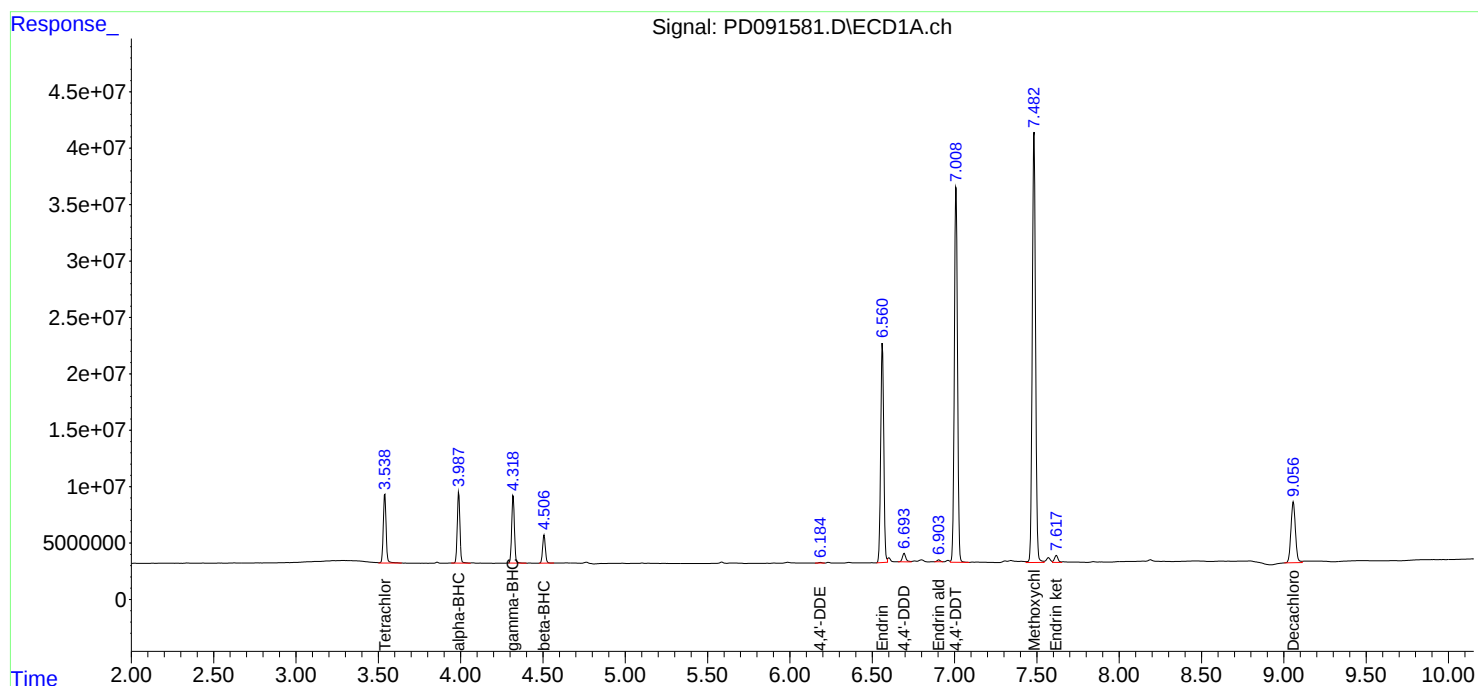
Instrument :
ECD_D
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PEM

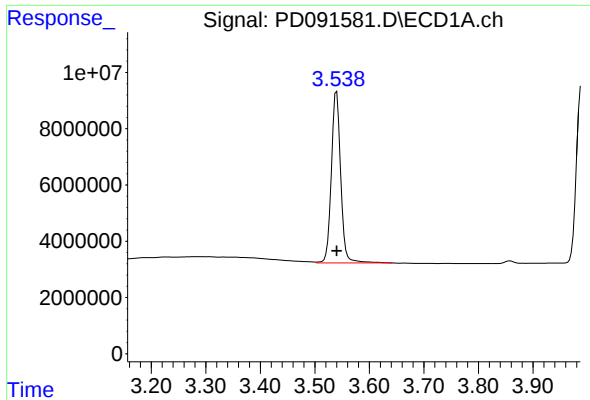
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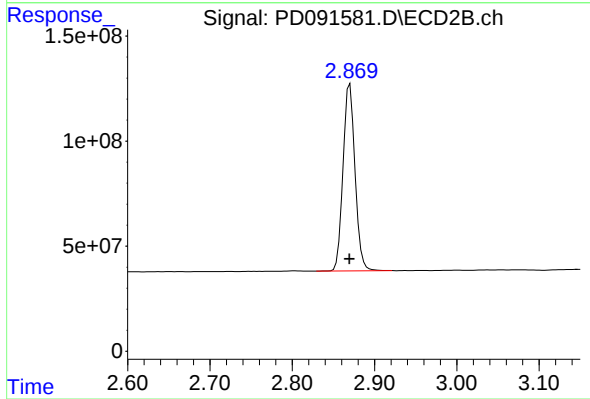
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 72889826
Conc: 20.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

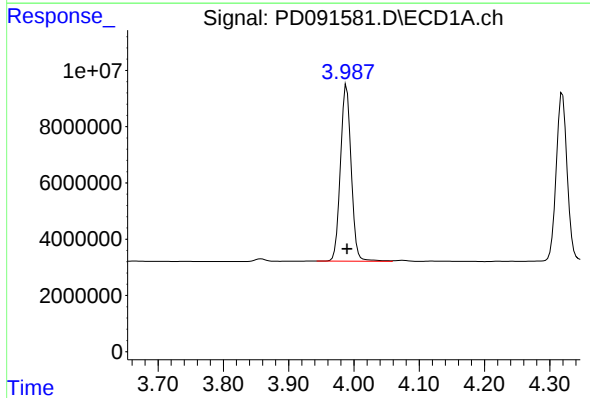
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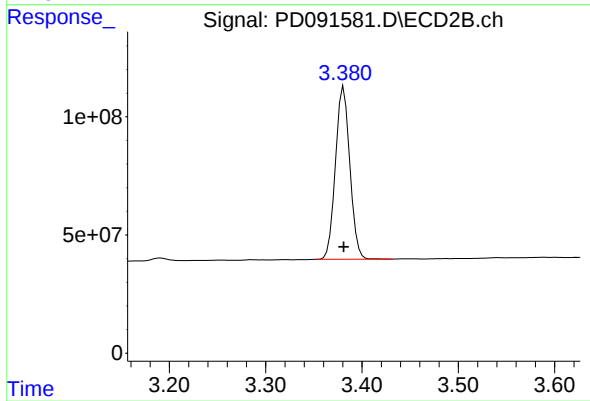
#1 Tetrachloro-m-xylene

R.T.: 2.870 min
Delta R.T.: 0.000 min
Response: 903414016
Conc: 22.93 ng/ml



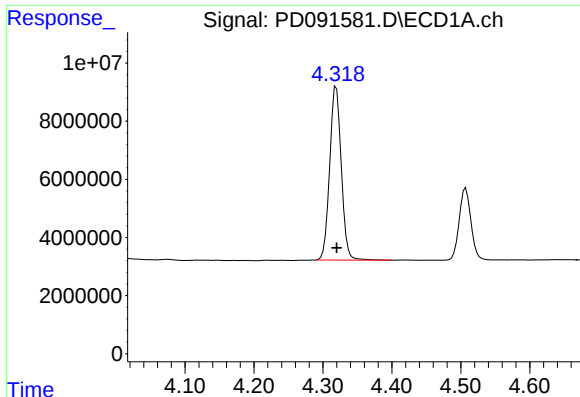
#2 alpha-BHC

R.T.: 3.989 min
Delta R.T.: 0.000 min
Response: 71563783
Conc: 8.89 ng/ml



#2 alpha-BHC

R.T.: 3.381 min
Delta R.T.: 0.000 min
Response: 758523957
Conc: 11.13 ng/ml



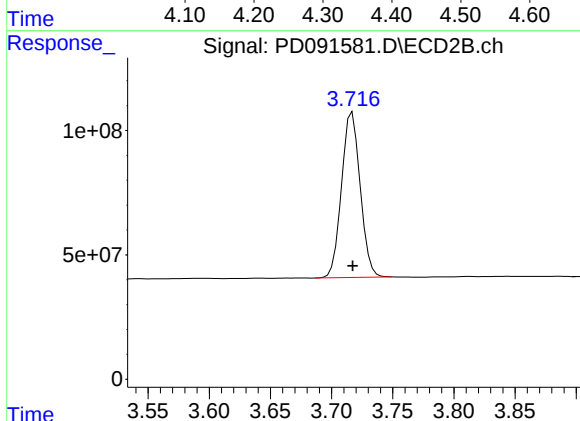
#3 gamma-BHC (Lindane)

R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 69552340
Conc: 9.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

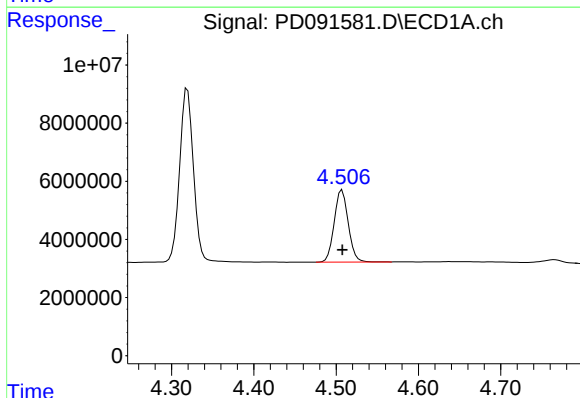
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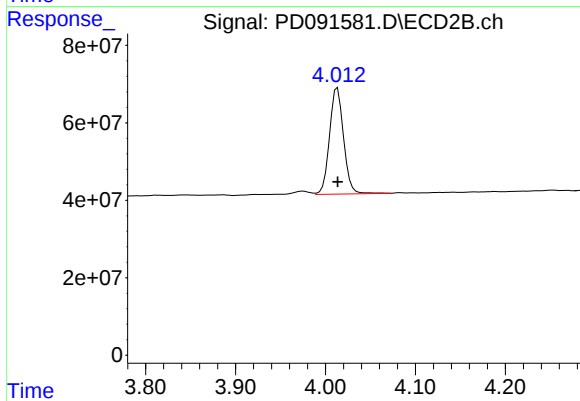
#3 gamma-BHC (Lindane)

R.T.: 3.717 min
Delta R.T.: 0.000 min
Response: 705834400
Conc: 12.55 ng/ml



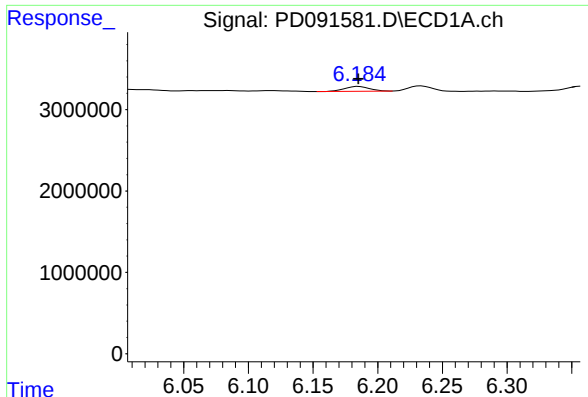
#6 beta-BHC

R.T.: 4.507 min
Delta R.T.: 0.000 min
Response: 29460215
Conc: 10.20 ng/ml



#6 beta-BHC

R.T.: 4.013 min
Delta R.T.: 0.000 min
Response: 298467684
Conc: 12.46 ng/ml



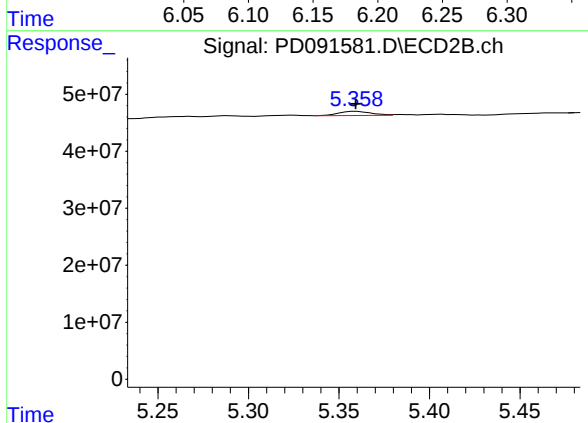
#12 4,4'-DDE

R.T.: 6.185 min
Delta R.T.: 0.000 min
Response: 777531
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

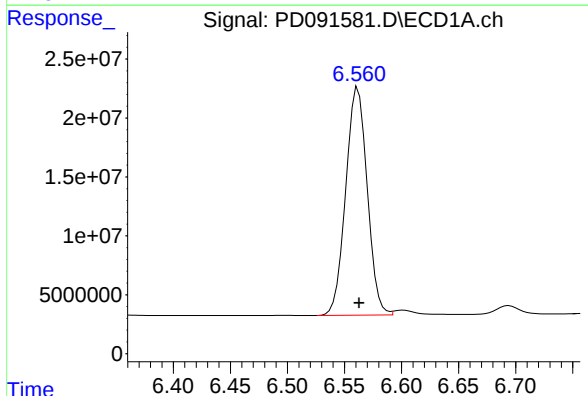
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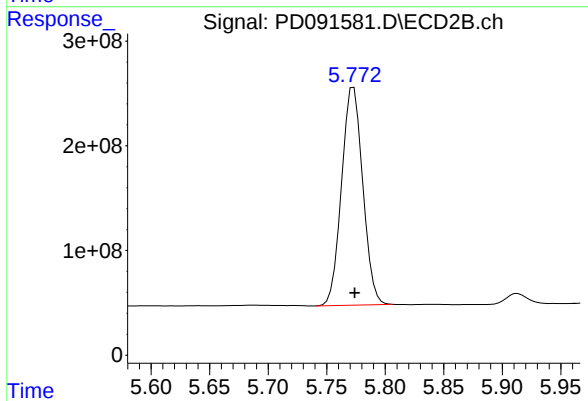
#12 4,4'-DDE

R.T.: 5.359 min
Delta R.T.: 0.000 min
Response: 8872026
Conc: 0.16 ng/ml



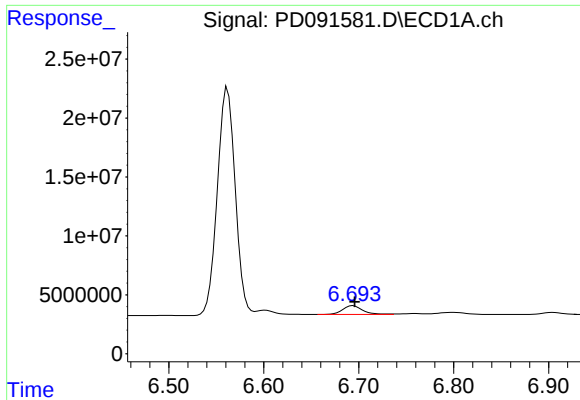
#14 Endrin

R.T.: 6.562 min
Delta R.T.: -0.001 min
Response: 253502993
Conc: 45.20 ng/ml



#14 Endrin

R.T.: 5.773 min
Delta R.T.: -0.001 min
Response: 2625675373
Conc: 50.23 ng/ml



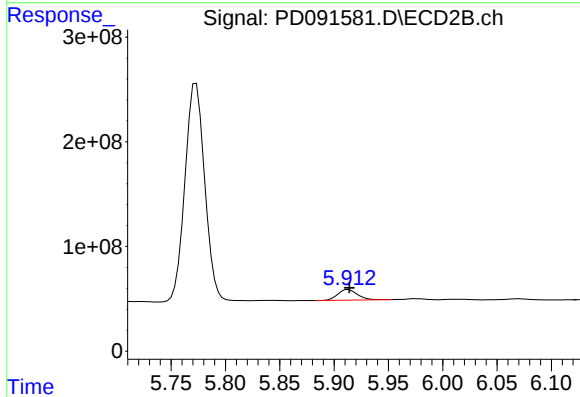
#16 4,4'-DDD

R.T.: 6.694 min
Delta R.T.: -0.002 min
Response: 10870121
Conc: 2.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

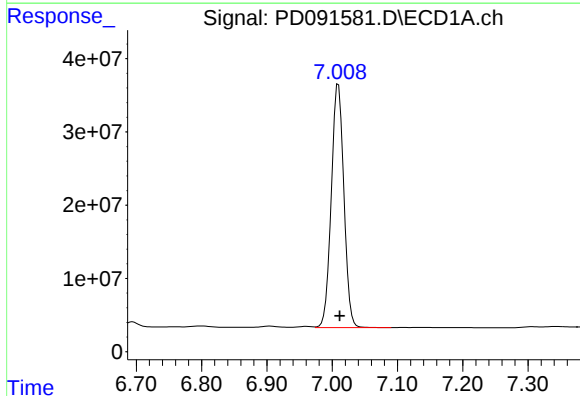
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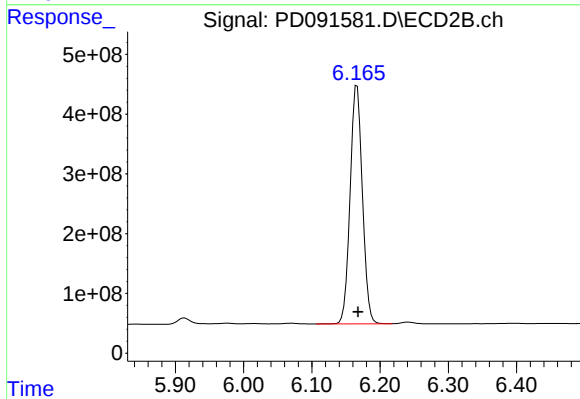
#16 4,4'-DDD

R.T.: 5.913 min
Delta R.T.: -0.001 min
Response: 128941424
Conc: 2.83 ng/ml



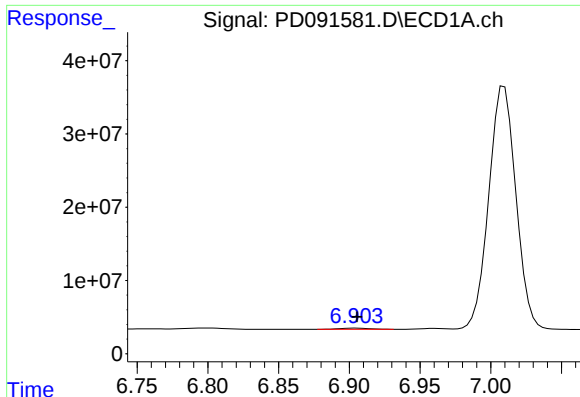
#17 4,4'-DDT

R.T.: 7.009 min
Delta R.T.: -0.002 min
Response: 445701065
Conc: 86.44 ng/ml



#17 4,4'-DDT

R.T.: 6.166 min
Delta R.T.: -0.002 min
Response: 4985997629
Conc: 105.19 ng/ml



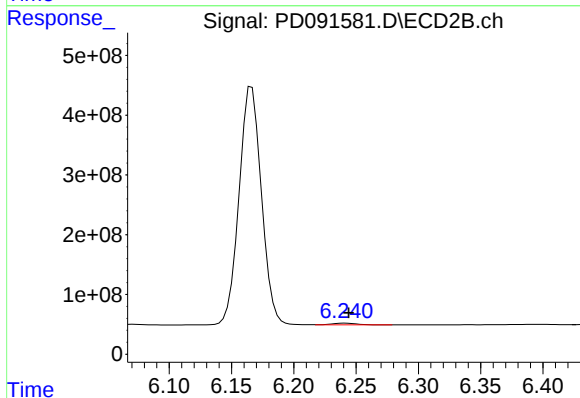
#18 Endrin aldehyde

R.T.: 6.903 min
Delta R.T.: -0.002 min
Response: 2160513
Conc: 0.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

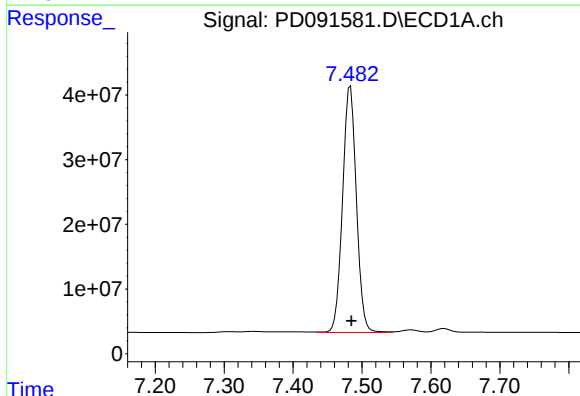
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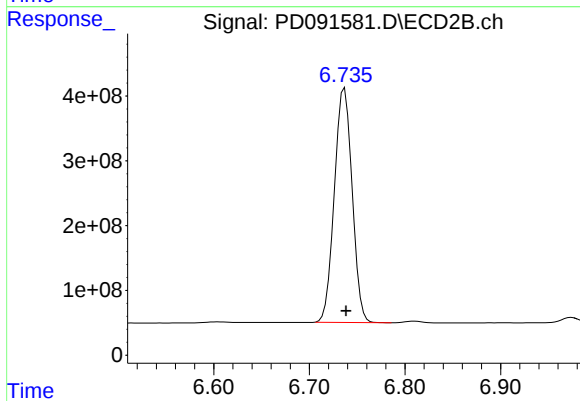
#18 Endrin aldehyde

R.T.: 6.241 min
Delta R.T.: -0.003 min
Response: 41037322
Conc: 1.15 ng/ml



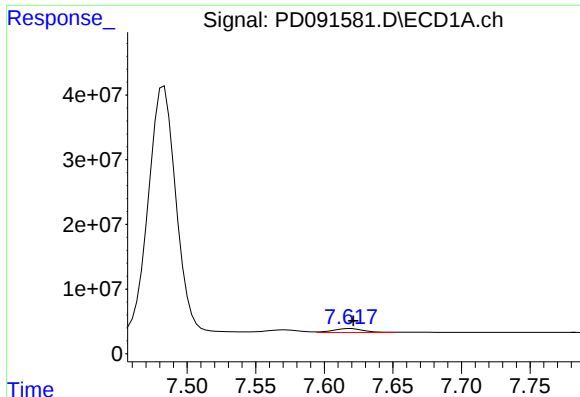
#20 Methoxychlor

R.T.: 7.483 min
Delta R.T.: -0.001 min
Response: 532721356
Conc: 198.19 ng/ml



#20 Methoxychlor

R.T.: 6.737 min
Delta R.T.: -0.002 min
Response: 4671743514
Conc: 197.97 ng/ml



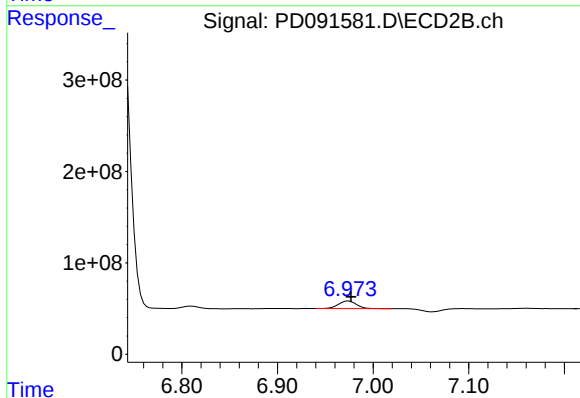
#21 Endrin ketone

R.T.: 7.619 min
Delta R.T.: -0.002 min
Response: 9618361
Conc: 1.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

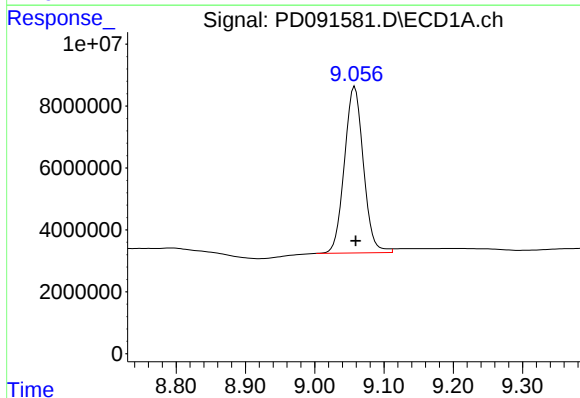
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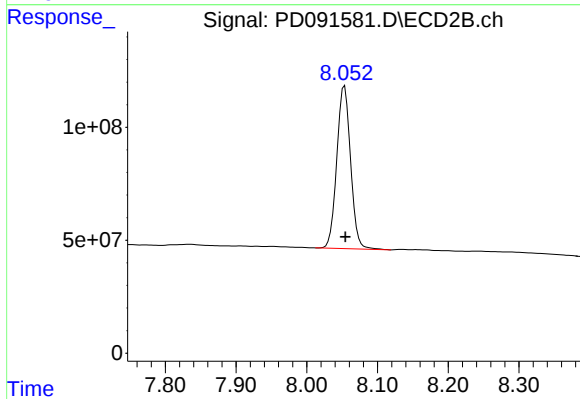
#21 Endrin ketone

R.T.: 6.974 min
Delta R.T.: -0.003 min
Response: 109458962
Conc: 2.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.001 min
Response: 102329527
Conc: 19.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.053 min
Delta R.T.: -0.001 min
Response: 975449946
Conc: 23.56 ng/ml