

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090595.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 09:33
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/16/2025
 Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:08:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.545	2.874	52766967	476.7E6	16.234	17.365
28)	SA Decachlor...	9.065	8.061	75554782	499.8E6	15.659	15.418
Target Compounds							
2)	A alpha-BHC	3.994	3.386	49173290	395.6E6	7.040	9.035 #
3)	MA gamma-BHC...	4.325	3.722	48438090	364.8E6	7.320	8.955
6)	B beta-BHC	4.512	4.018	20917403	156.6E6	8.108	9.031
12)	B 4,4'-DDE	6.191	5.365	1257089	12388917	0.241	0.324m#
14)	MA Endrin	6.569	5.780	181.1E6	1492.3E6	36.998	41.648
16)	A 4,4'-DDD	6.700	5.921	14075810	77511593	3.435	2.390 #
17)	MA 4,4'-DDT	7.016	6.173	276.6E6	2336.3E6	62.128	67.956
18)	B Endrin al...	6.913	6.248	1372095	16466233	0.400m	0.699 #
20)	A Methoxychlor	7.489	6.744	327.9E6	2401.9E6	139.161	138.039
21)	B Endrin ke...	7.626	6.982	3719838	29227687	0.752	0.810

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

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Operator : AR\AJ
Sample : PEM
Misc :
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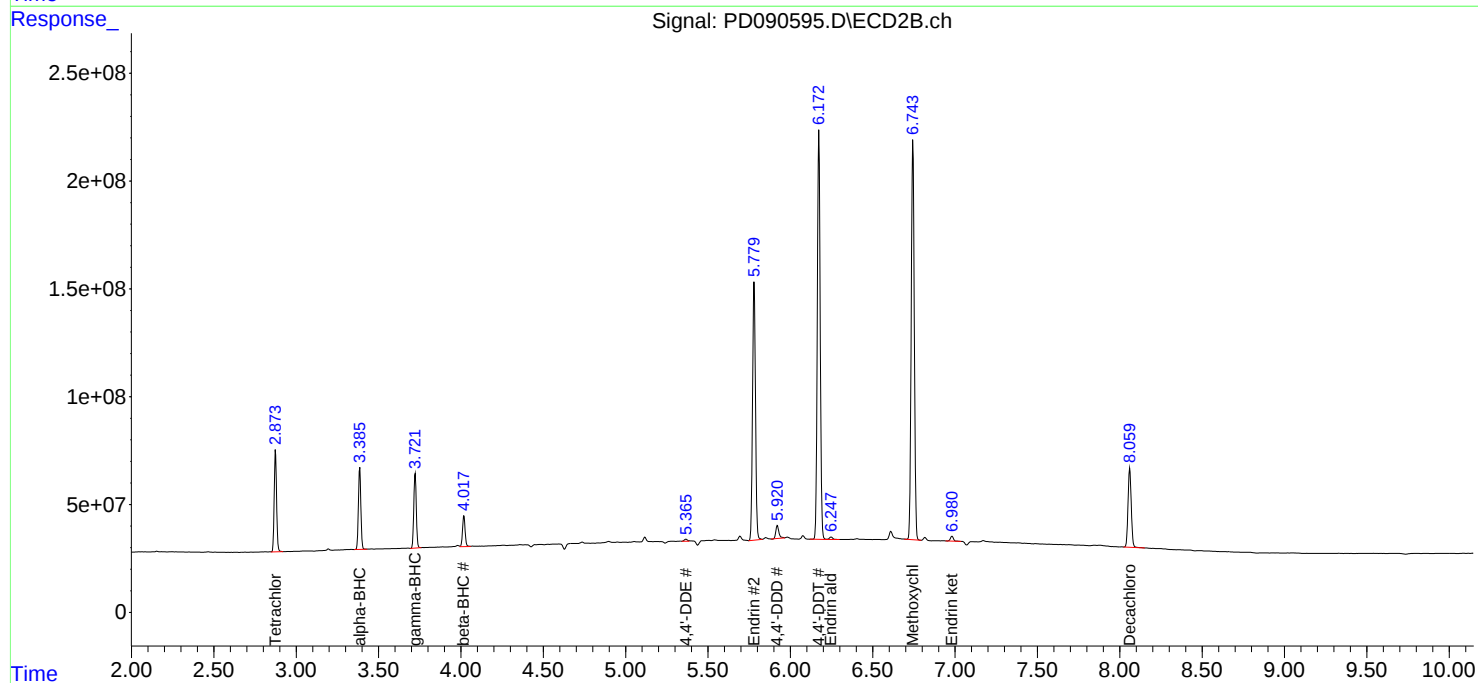
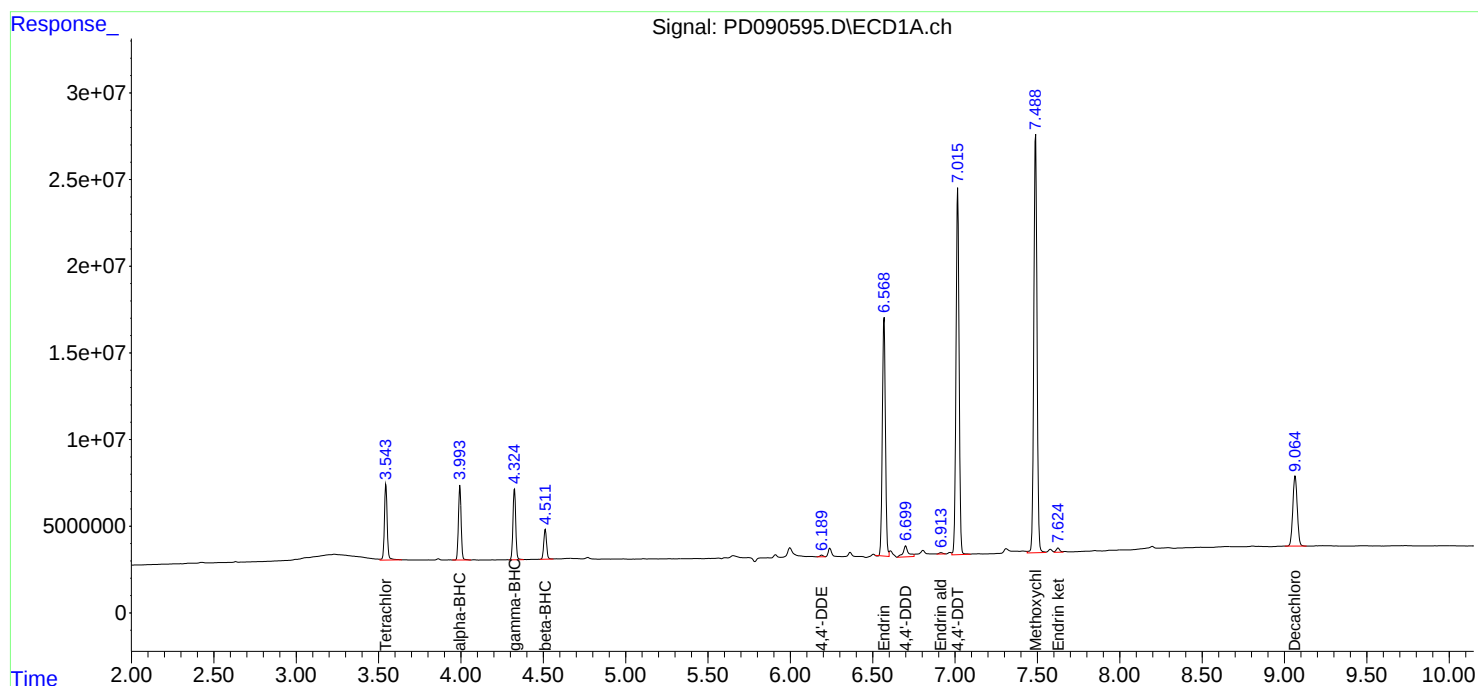
Instrument :
ECD_D
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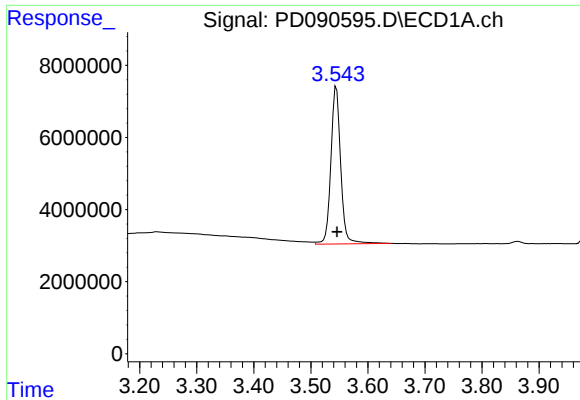
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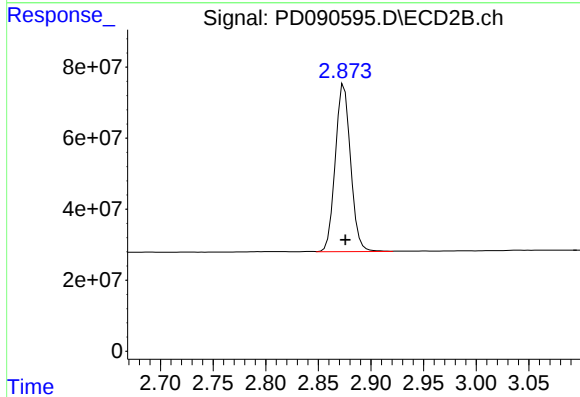
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 52766967
Conc: 16.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

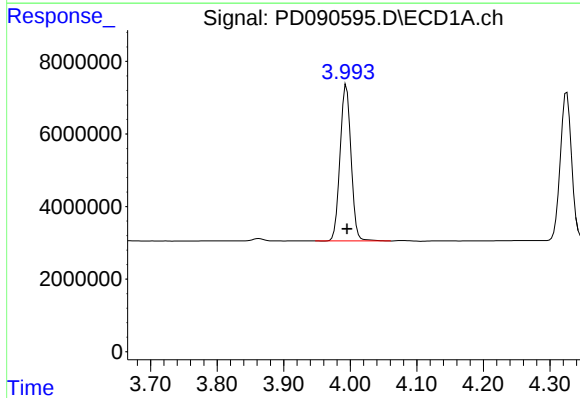
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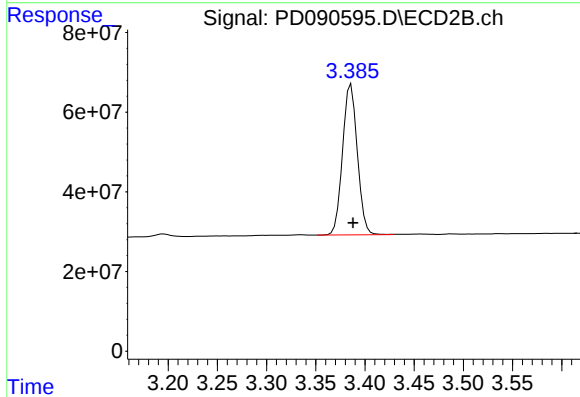
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 476659006
Conc: 17.36 ng/ml



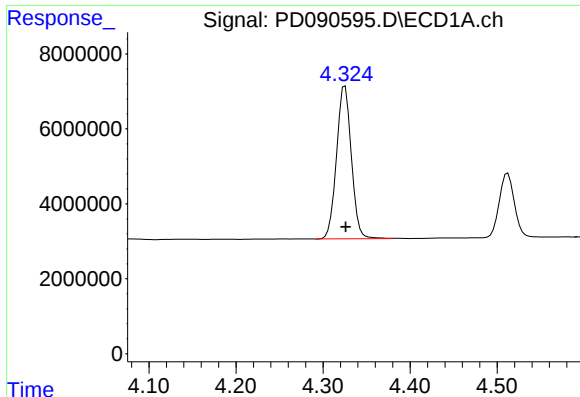
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 49173290
Conc: 7.04 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 395558129
Conc: 9.03 ng/ml



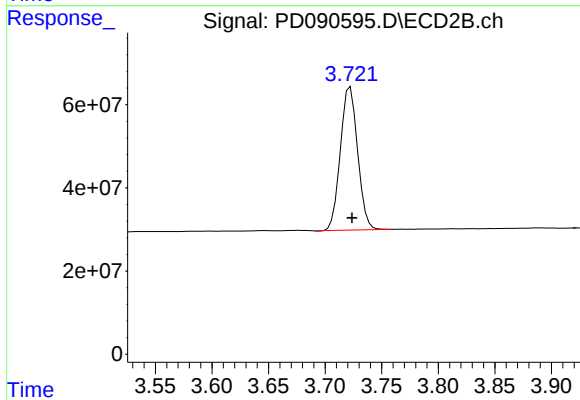
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 48438090
Conc: 7.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

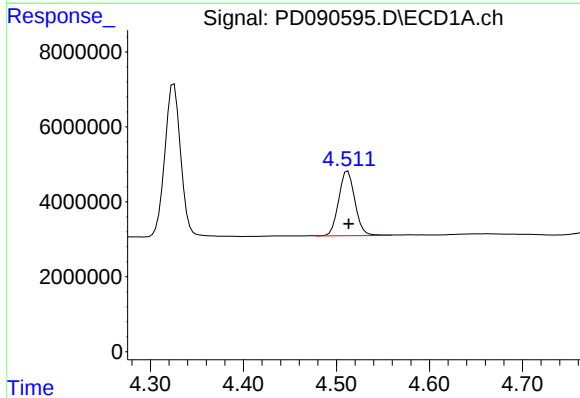
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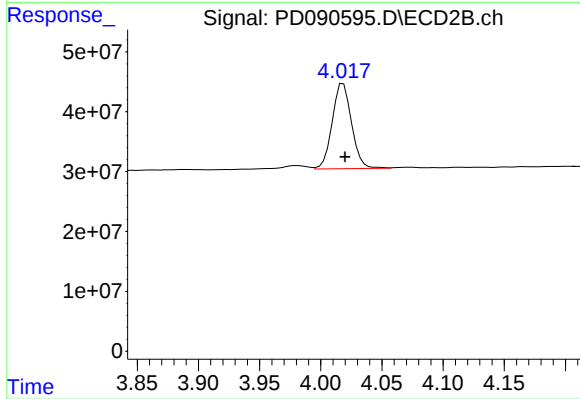
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 364800004
Conc: 8.96 ng/ml



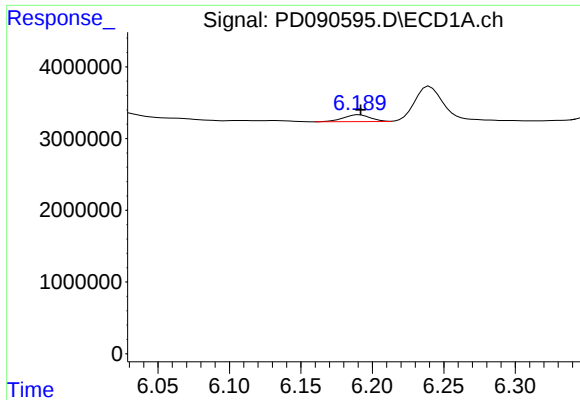
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 20917403
Conc: 8.11 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 156562820
Conc: 9.03 ng/ml



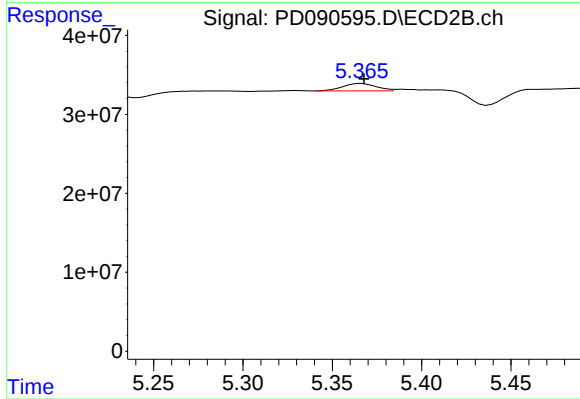
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 1257089
Conc: 0.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

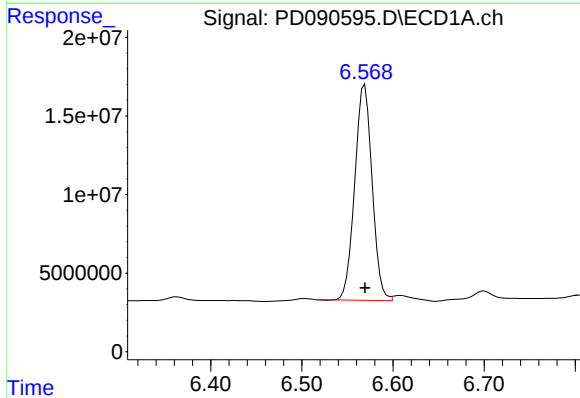
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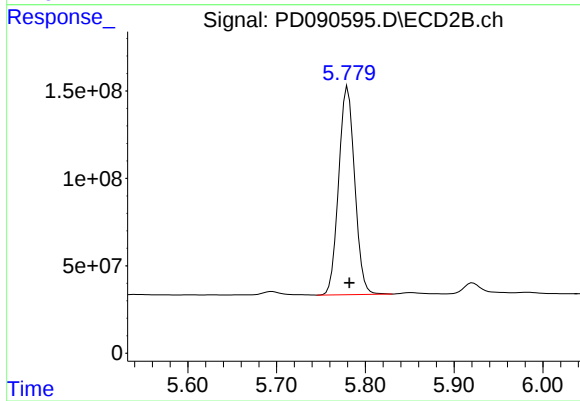
#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 12388917
Conc: 0.32 ng/ml m



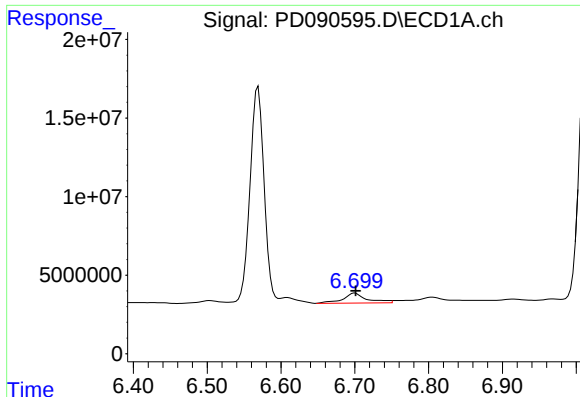
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 181066701
Conc: 37.00 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1492345975
Conc: 41.65 ng/ml



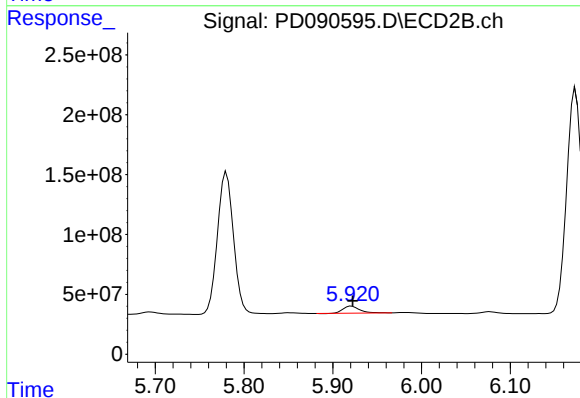
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 14075810
Conc: 3.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

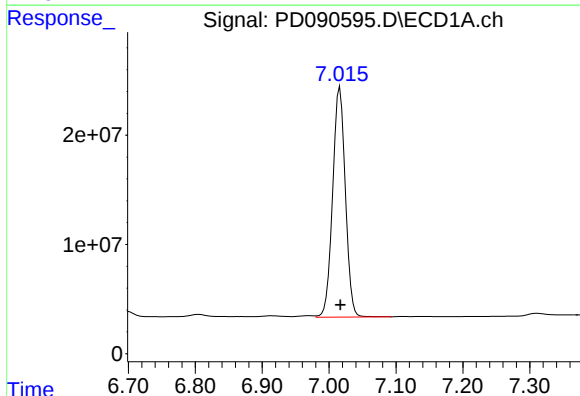
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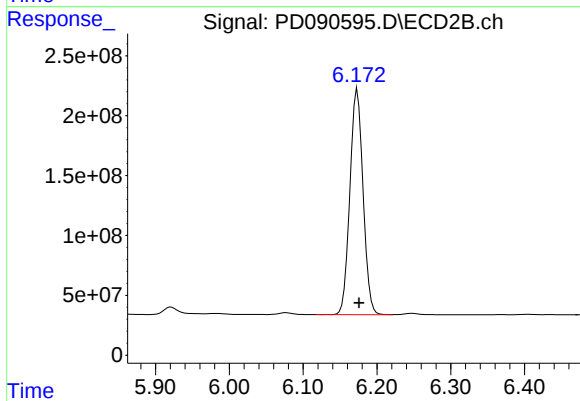
#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 77511593
Conc: 2.39 ng/ml



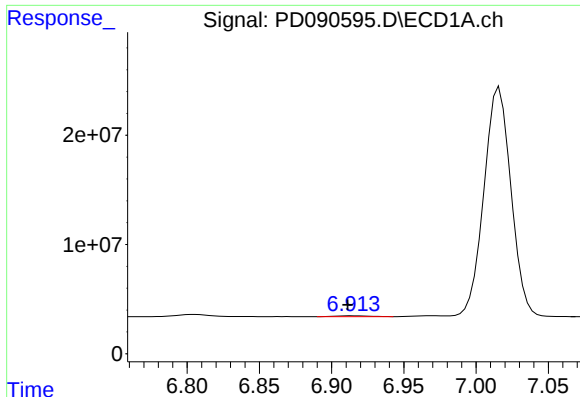
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 276624738
Conc: 62.13 ng/ml



#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 2336274726
Conc: 67.96 ng/ml



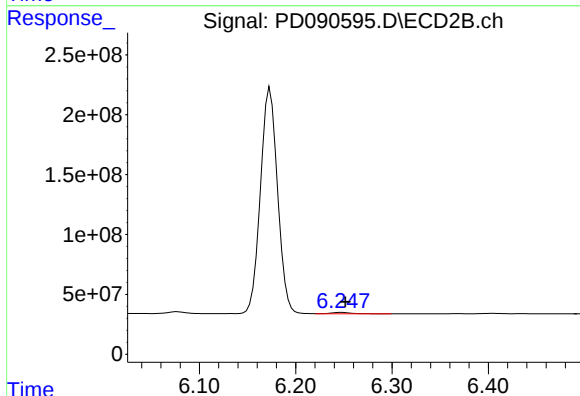
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.002 min
Response: 1372095
Conc: 0.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

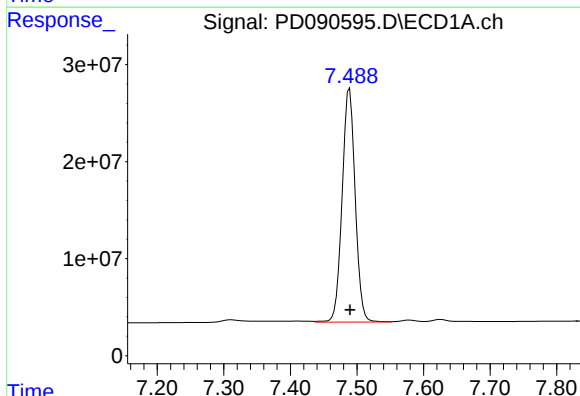
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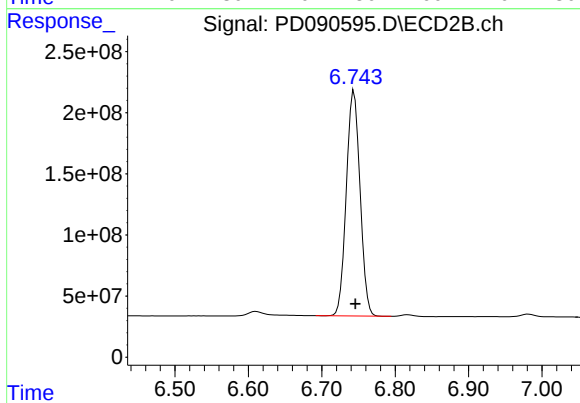
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.004 min
Response: 16466233
Conc: 0.70 ng/ml



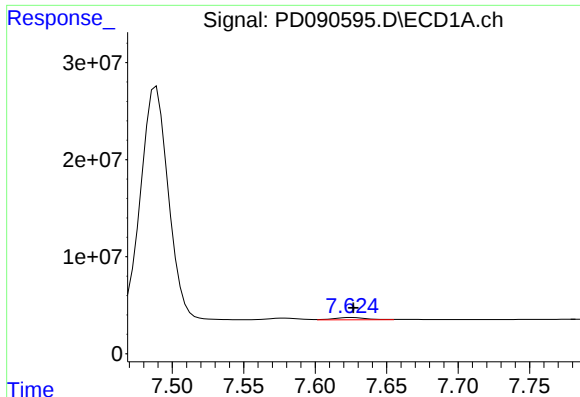
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 327934704
Conc: 139.16 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 2401933977
Conc: 138.04 ng/ml



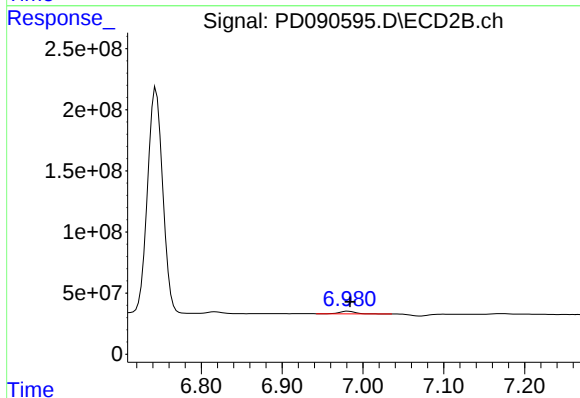
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 3719838
Conc: 0.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

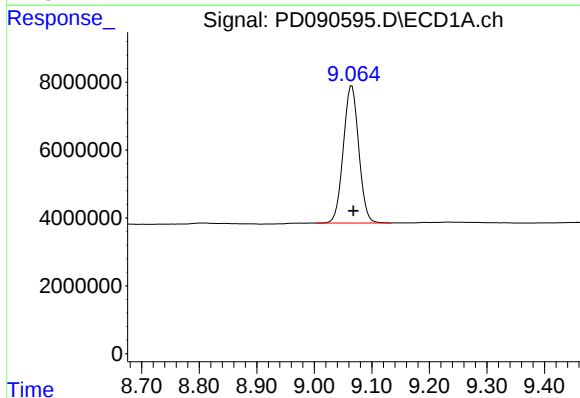
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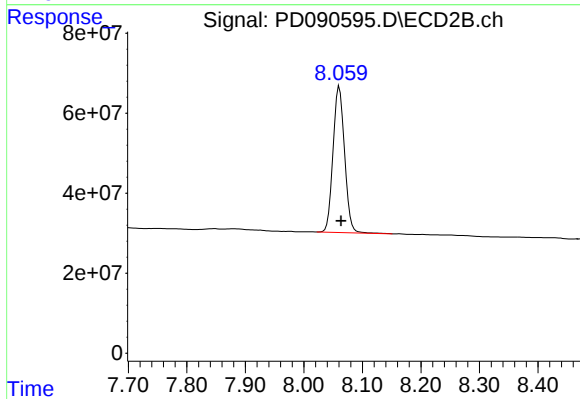
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.003 min
Response: 29227687
Conc: 0.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.003 min
Response: 75554782
Conc: 15.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 499775116
Conc: 15.42 ng/ml