

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100325\
 Data File : PD090493.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Oct 2025 14:28
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/03/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 03 02:44:34 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	61637780	492.8E6	18.963	17.952
28)	SA Decachlor...	9.061	8.059	105.2E6	641.1E6	21.813	19.778
Target Compounds							
2)	A alpha-BHC	3.993	3.386	58984228	407.8E6	8.445	9.313
3)	MA gamma-BHC...	4.324	3.722	58136161	383.5E6	8.786	9.415
6)	B beta-BHC	4.511	4.018	24734466	164.4E6	9.587	9.482
14)	MA Endrin	6.566	5.779	247.2E6	1609.7E6	50.512	44.923
16)	A 4,4'-DDD	6.696	5.920	3251597	31240207	0.793m	0.963
17)	MA 4,4'-DDT	7.014	6.172	456.7E6	2993.2E6	102.581	87.066
18)	B Endrin al...	6.908	6.246	1043637	16659226	0.304m	0.707 #
20)	A Methoxychlor	7.486	6.743	567.6E6	3312.0E6	240.882	190.343
21)	B Endrin ke...	7.622	6.978	3738244	38550628	0.756	1.068m#

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

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ALS Vial : 3 Sample Multiplier: 1

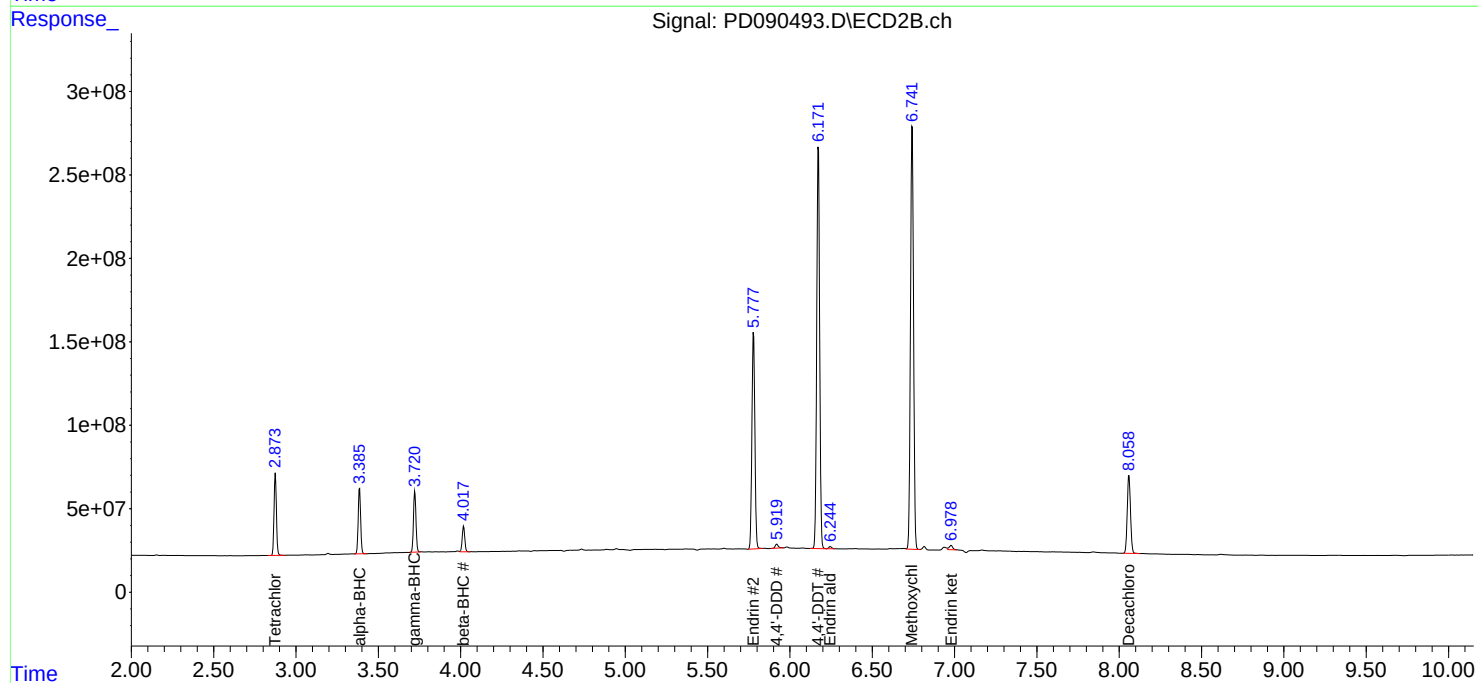
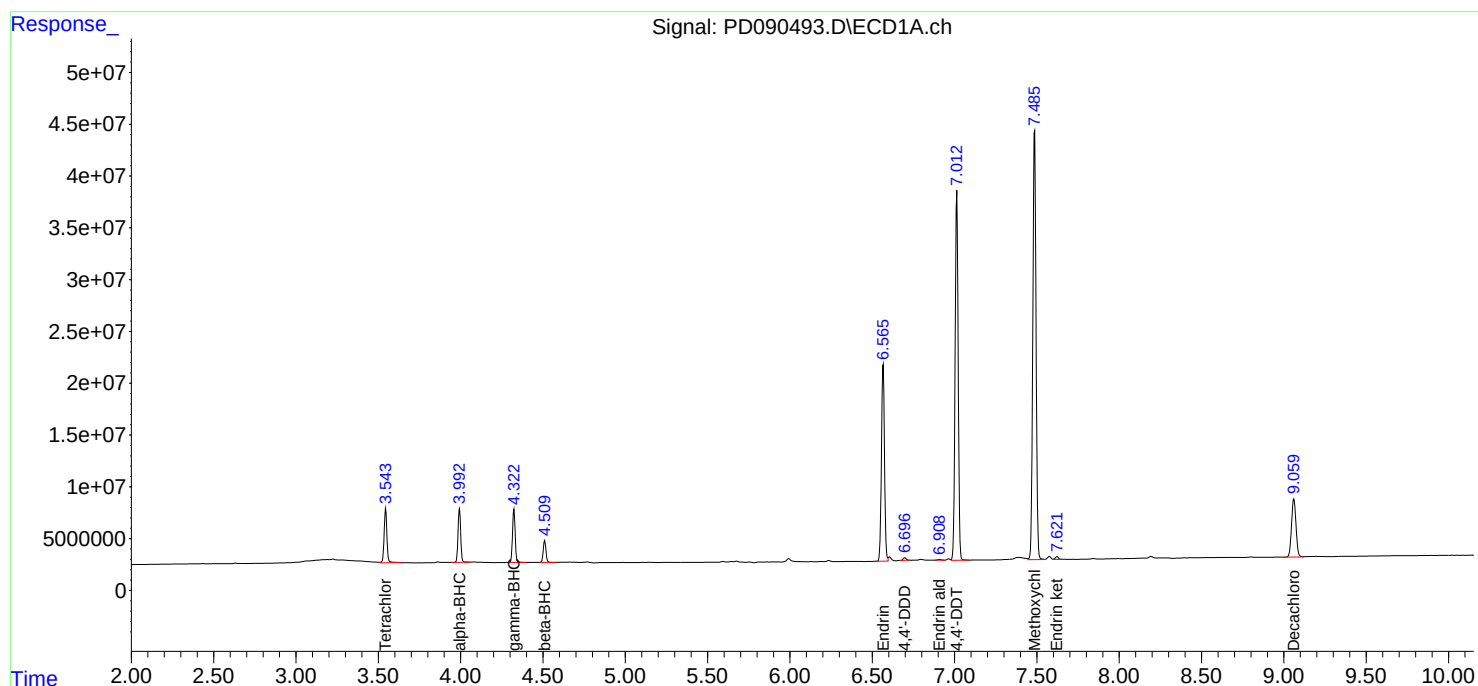
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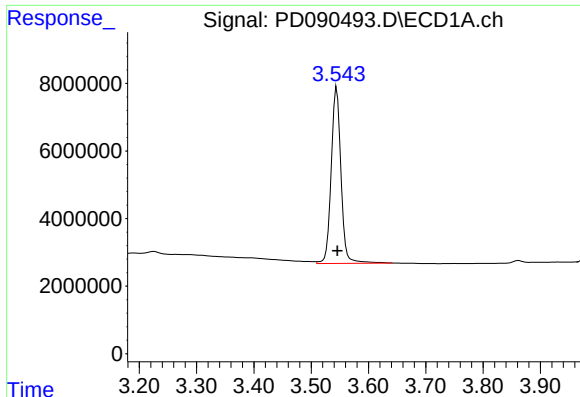
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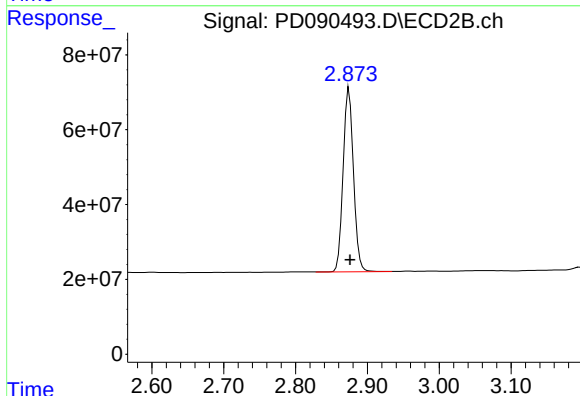
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 61637780
Conc: 18.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

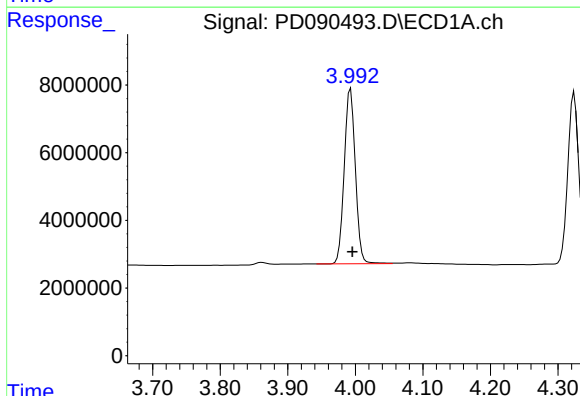
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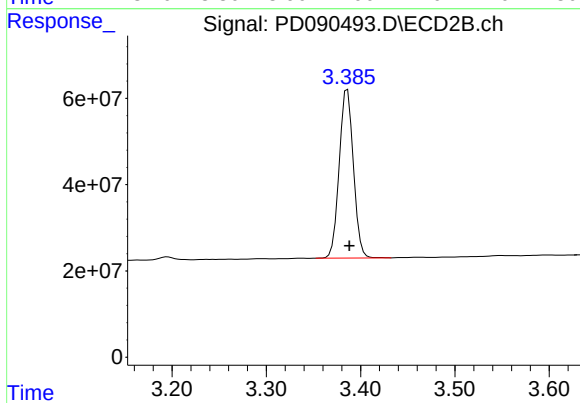
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 492786734
Conc: 17.95 ng/ml



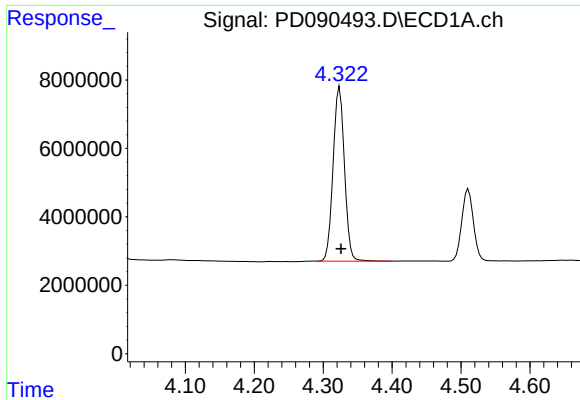
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 58984228
Conc: 8.44 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 407767682
Conc: 9.31 ng/ml



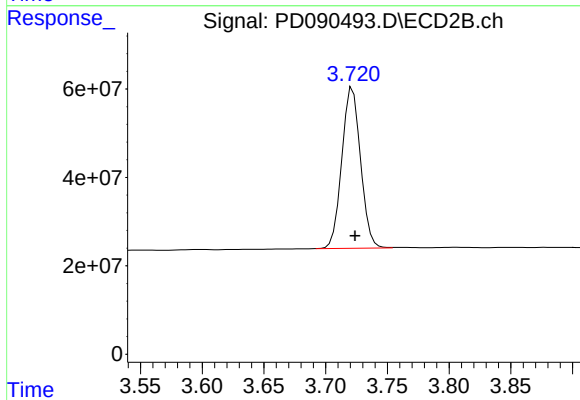
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 58136161
Conc: 8.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

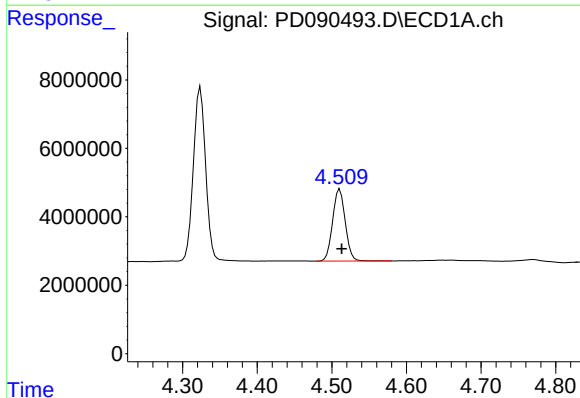
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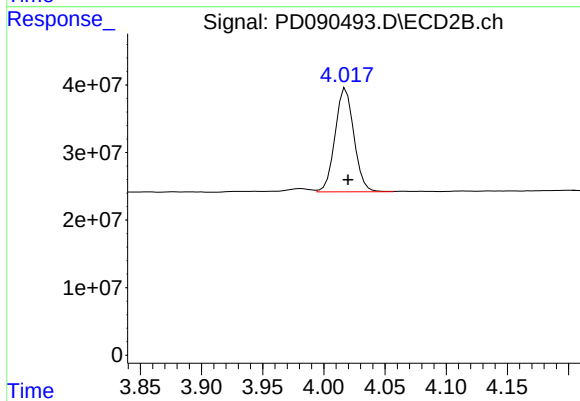
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 383536935
Conc: 9.42 ng/ml



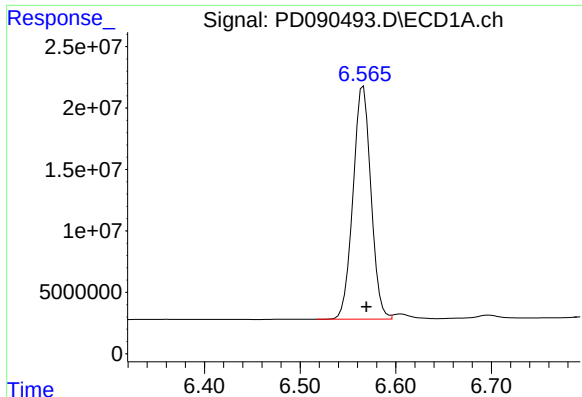
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.003 min
Response: 24734466
Conc: 9.59 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.002 min
Response: 164371111
Conc: 9.48 ng/ml



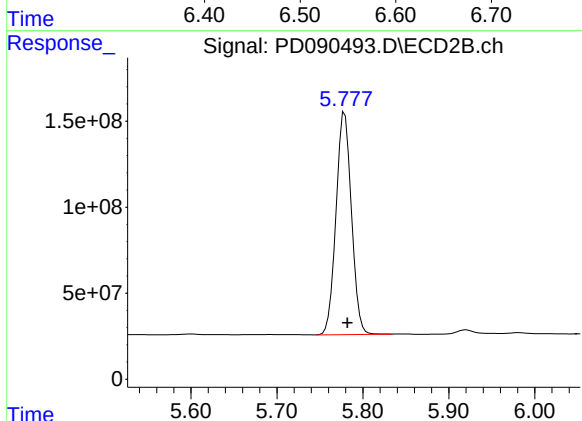
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.003 min
Response: 247200184
Conc: 50.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

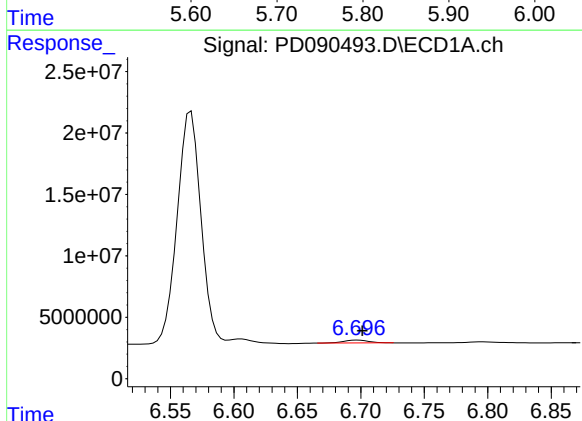
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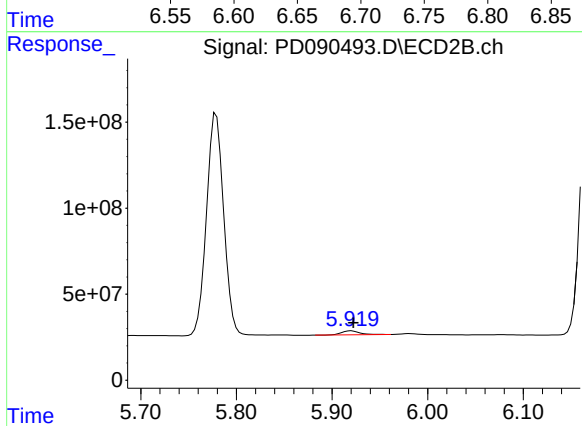
#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 1609674259
Conc: 44.92 ng/ml



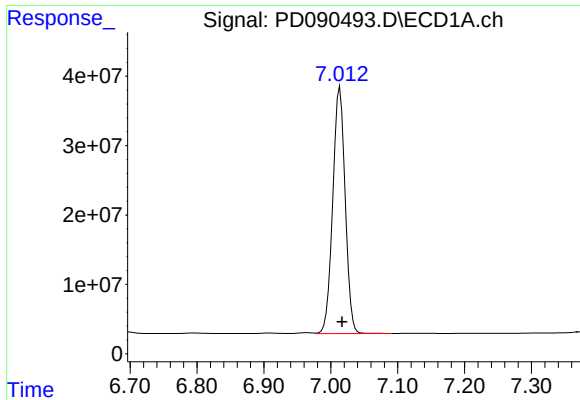
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.005 min
Response: 3251597
Conc: 0.79 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 31240207
Conc: 0.96 ng/ml



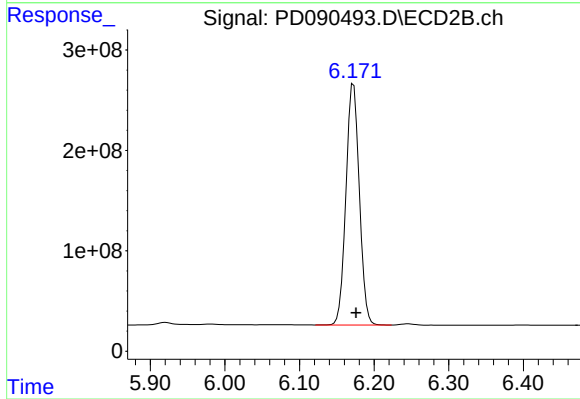
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.003 min
Response: 456738967
Conc: 102.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

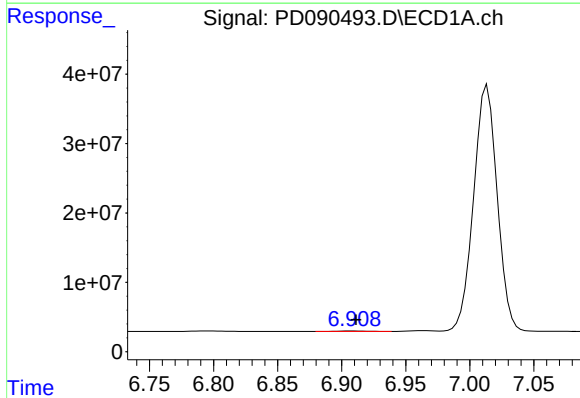
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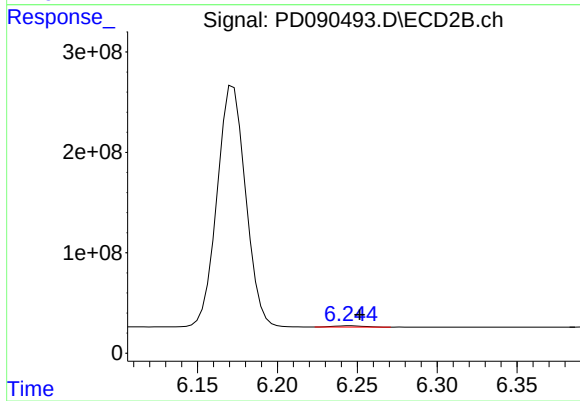
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.003 min
Response: 2993248631
Conc: 87.07 ng/ml



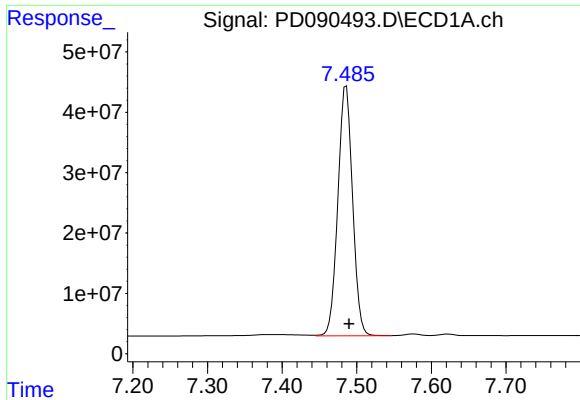
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.003 min
Response: 1043637
Conc: 0.30 ng/ml m



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.006 min
Response: 16659226
Conc: 0.71 ng/ml



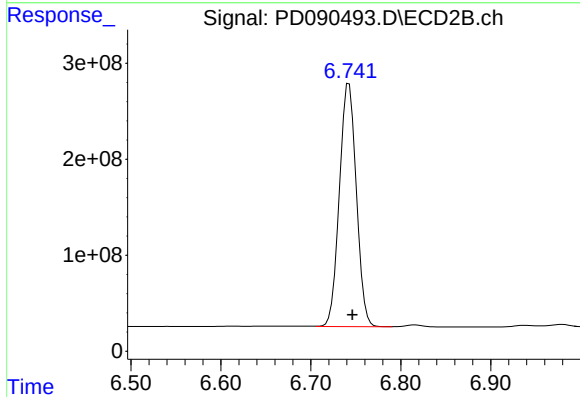
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.004 min
Response: 567639945
Conc: 240.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

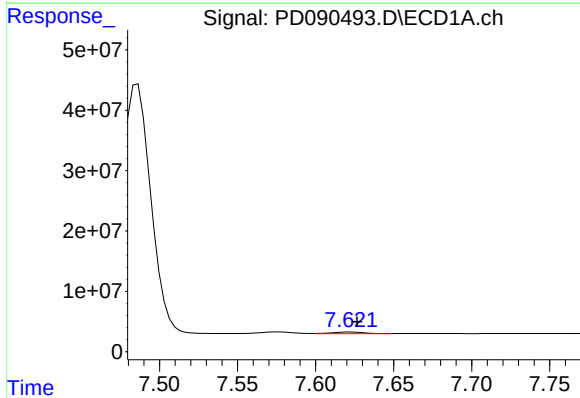
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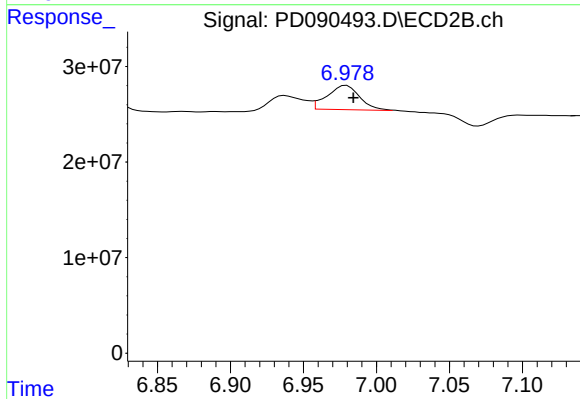
#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 3312031564
Conc: 190.34 ng/ml



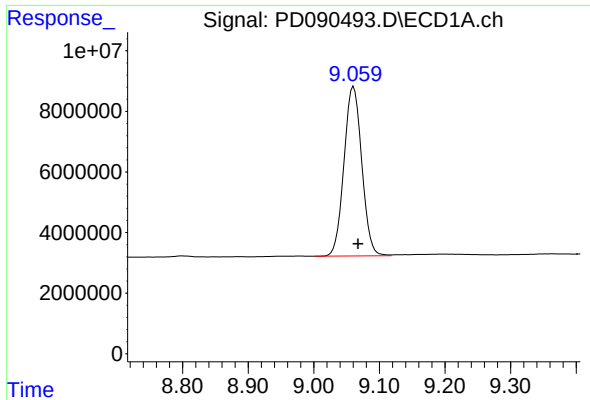
#21 Endrin ketone

R.T.: 7.622 min
Delta R.T.: -0.004 min
Response: 3738244
Conc: 0.76 ng/ml



#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.006 min
Response: 38550628
Conc: 1.07 ng/ml m



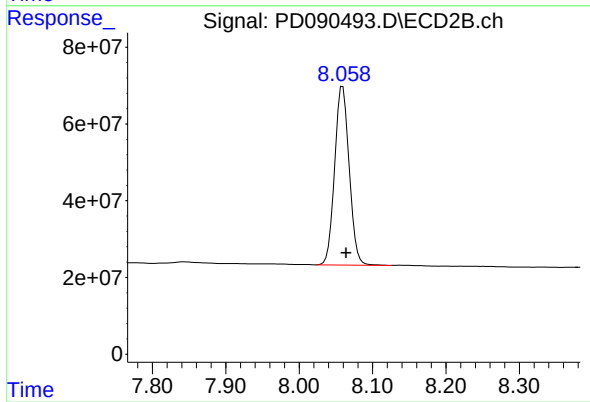
#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: -0.007 min
Response: 105248059
Conc: 21.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 641093543
Conc: 19.78 ng/ml