

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
 Data File : PD090723.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 09:58
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:19:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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	2.873	72548570	703.7E6	23.296	23.631
28)	SA Decachlor...	9.067	8.061	105.3E6	735.1E6	22.513	24.266
Target Compounds							
2)	A alpha-BHC	3.994	3.385	71227660	591.6E6	9.924	11.578
3)	MA gamma-BHC...	4.325	3.721	70513859	552.7E6	10.371	11.698
6)	B beta-BHC	4.512	4.018	29806124	225.8E6	11.378	11.389
14)	MA Endrin	6.569	5.779	278.8E6	2225.3E6	56.277	54.954
16)	A 4,4'-DDD	6.700	5.920	4823364	59672497	1.190m	1.638m#
17)	MA 4,4'-DDT	7.017	6.173	466.8E6	3958.2E6	113.553	112.856
18)	B Endrin al...	6.911	6.246	1752732	20325669	0.479m	0.734m#
20)	A Methoxychlor	7.490	6.744	552.2E6	4002.7E6	259.776	229.671
21)	B Endrin ke...	7.625	6.981	4855312	40075025	0.999	1.062

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

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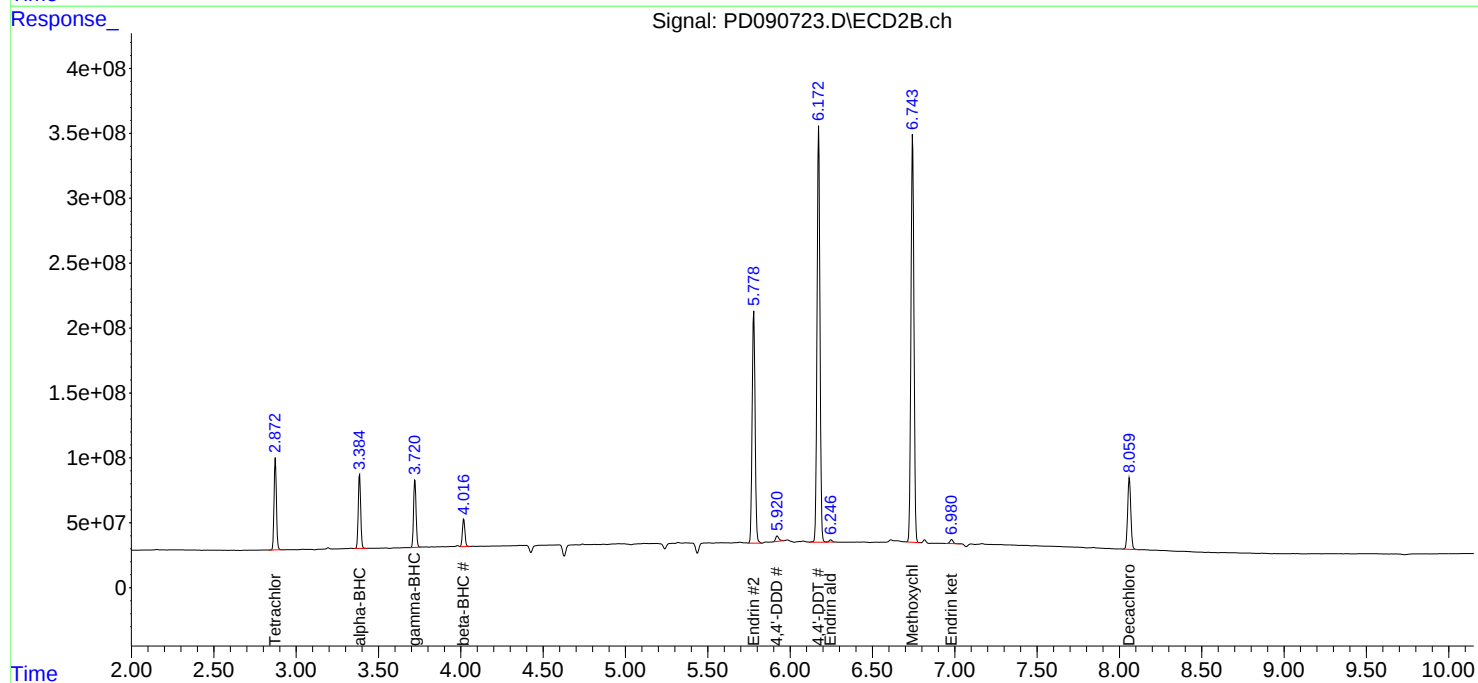
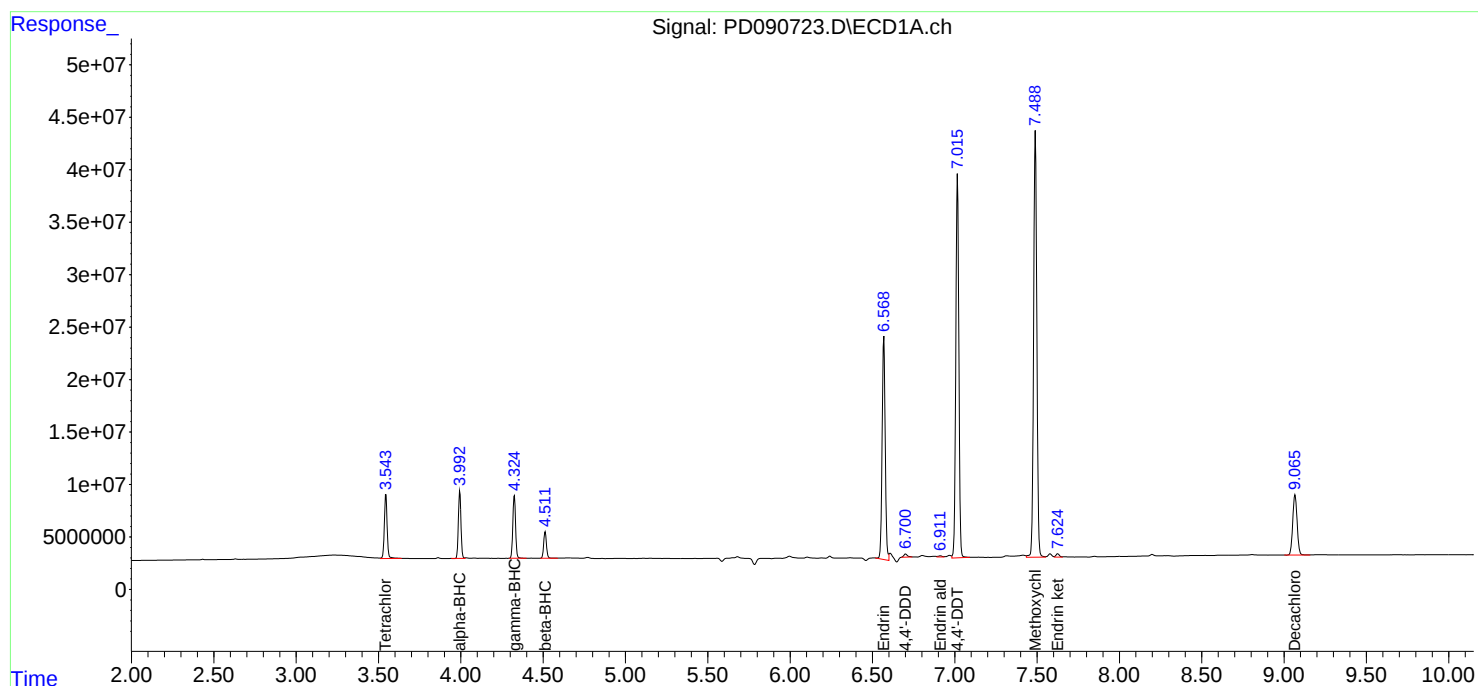
Instrument :
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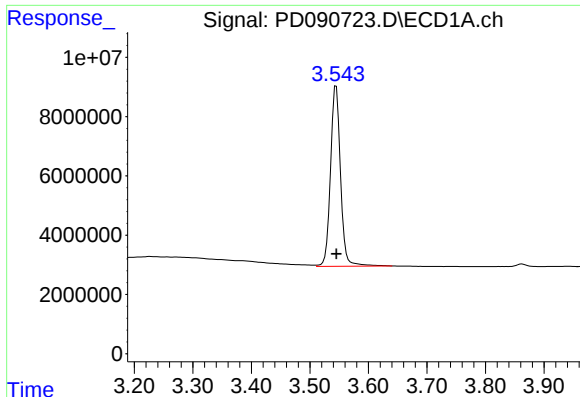
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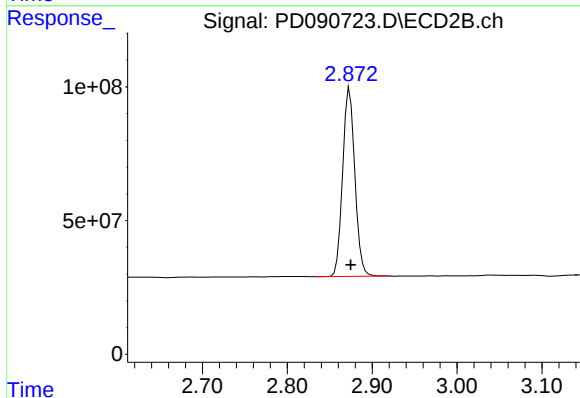
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 72548570
Conc: 23.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

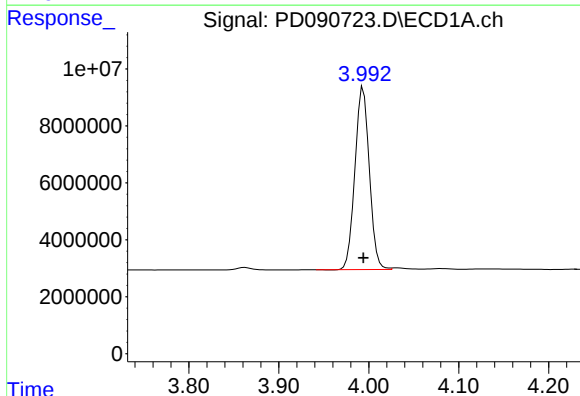
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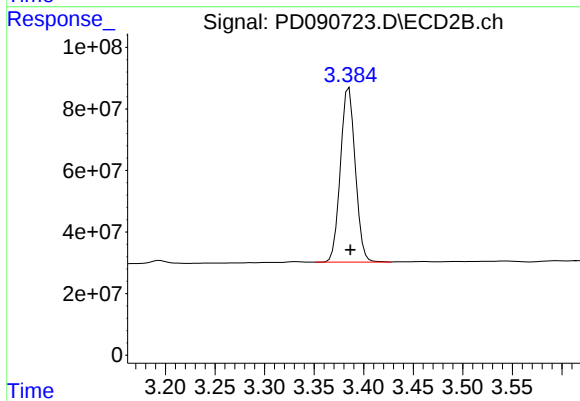
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 703662549
Conc: 23.63 ng/ml



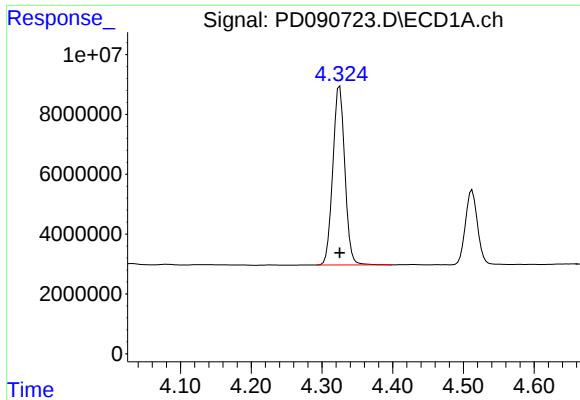
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 71227660
Conc: 9.92 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 591596777
Conc: 11.58 ng/ml



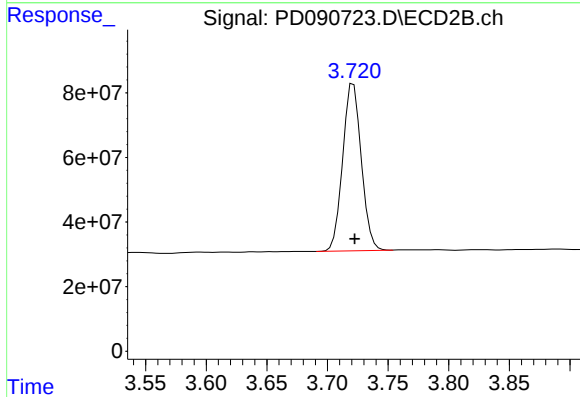
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 70513859
Conc: 10.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

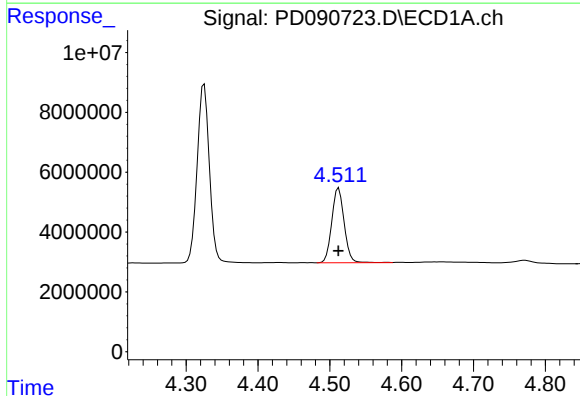
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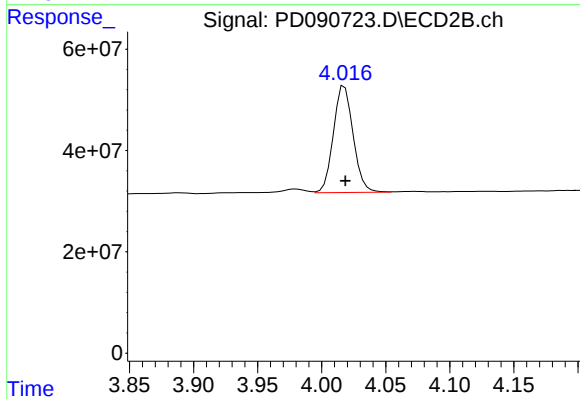
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 552699009
Conc: 11.70 ng/ml



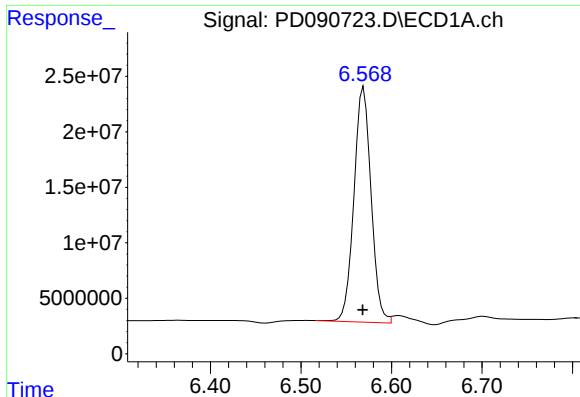
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 29806124
Conc: 11.38 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 225830320
Conc: 11.39 ng/ml



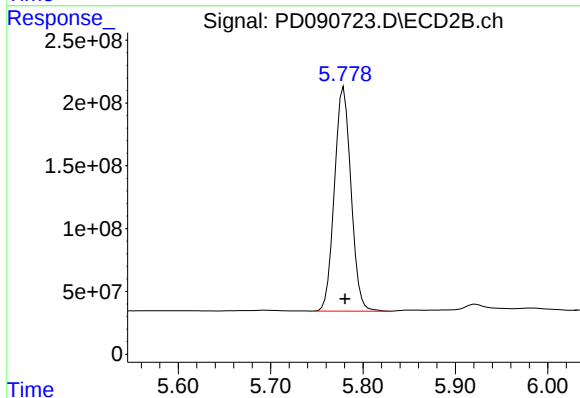
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.001 min
Response: 278779014
Conc: 56.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

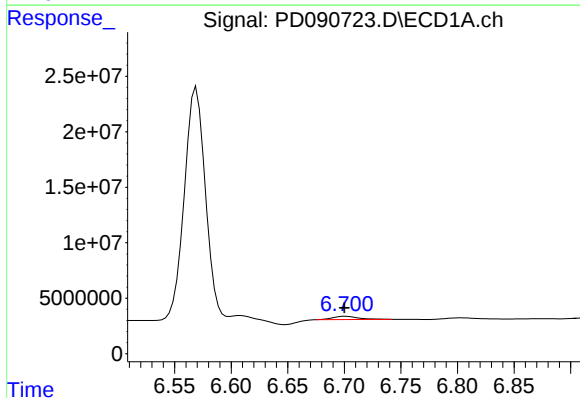
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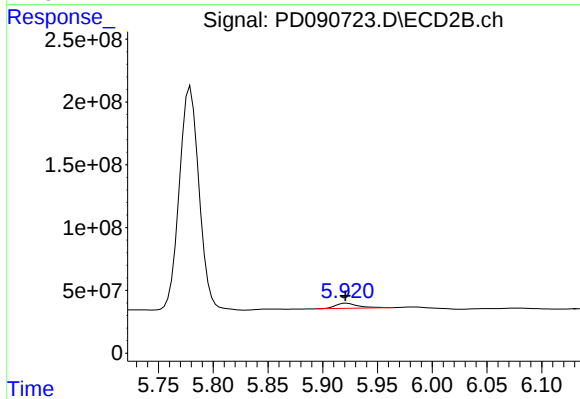
#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 2225293455
Conc: 54.95 ng/ml



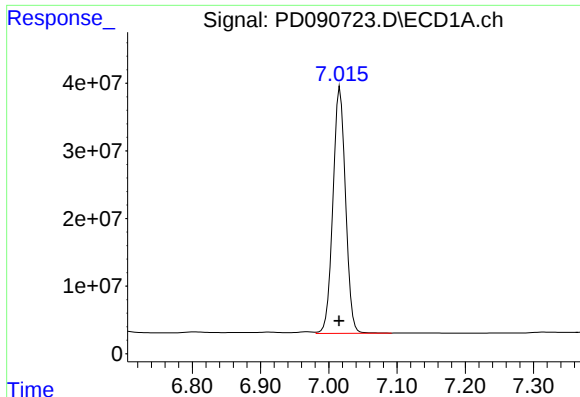
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 4823364
Conc: 1.19 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 59672497
Conc: 1.64 ng/ml m



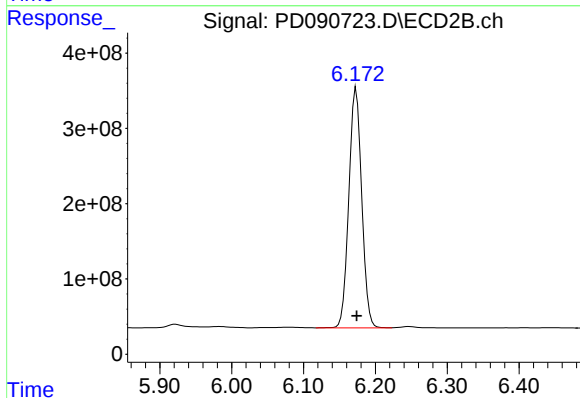
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: 0.001 min
Response: 466756116
Conc: 113.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

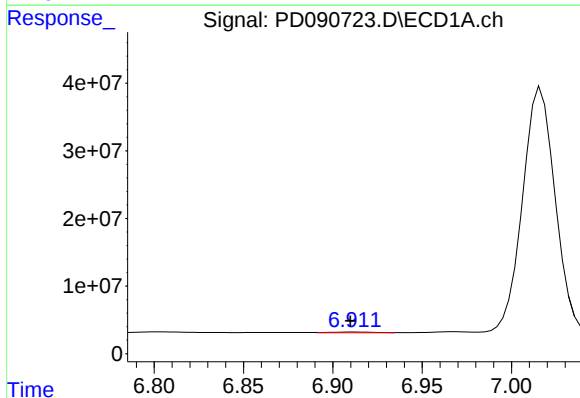
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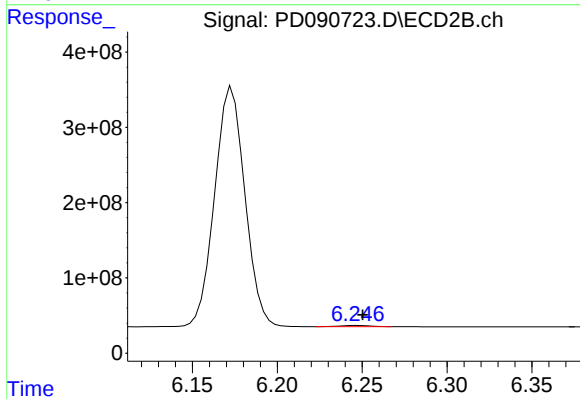
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 3958226308
Conc: 112.86 ng/ml



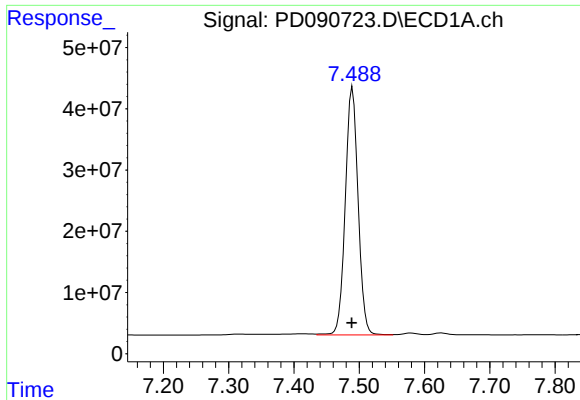
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 1752732
Conc: 0.48 ng/ml m



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.005 min
Response: 20325669
Conc: 0.73 ng/ml m



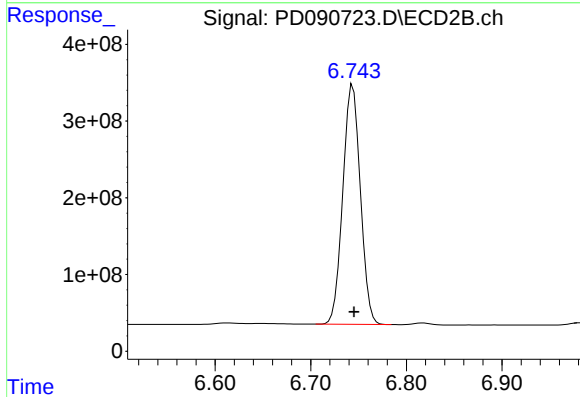
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.001 min
Response: 552175328
Conc: 259.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

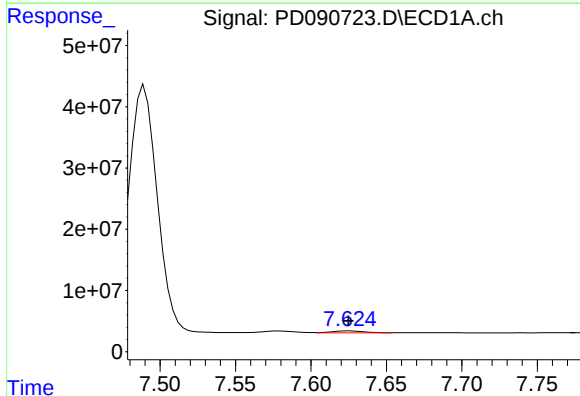
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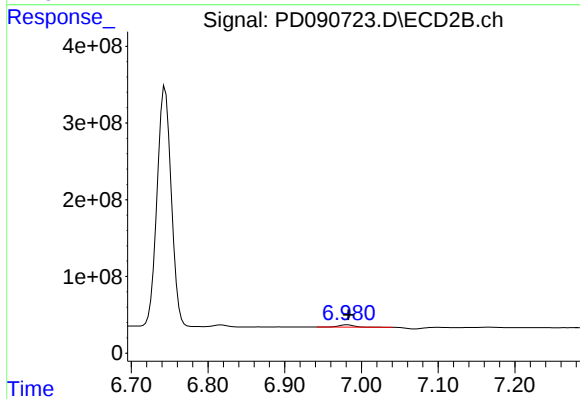
#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 4002657541
Conc: 229.67 ng/ml



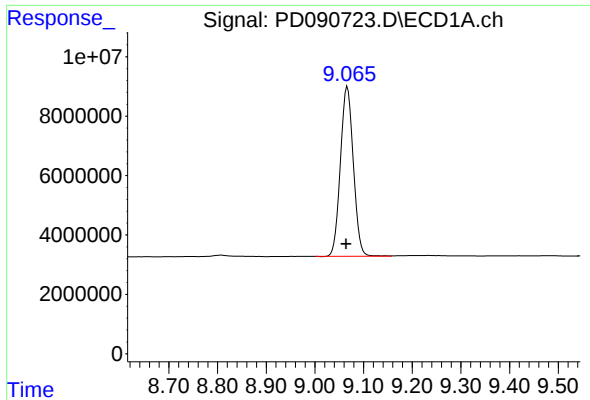
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 4855312
Conc: 1.00 ng/ml



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.001 min
Response: 40075025
Conc: 1.06 ng/ml



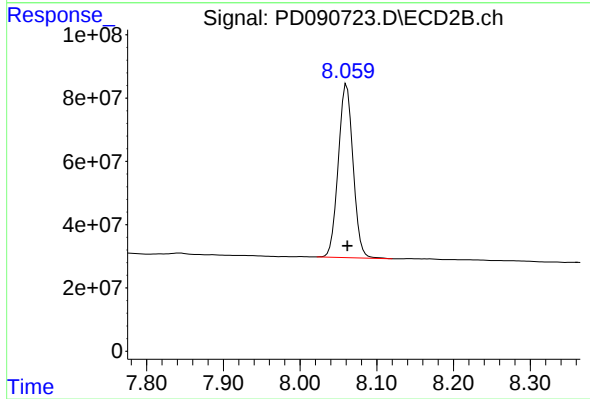
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 105313034
Conc: 22.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 735061719
Conc: 24.27 ng/ml