

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090853.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 18:34
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/28/2025
 Supervised By : mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 01:11:03 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...	3.543	2.873	70350777	644.6E6	22.591	21.647
28)	SA Decachlor...	9.061	8.059	93061277	577.1E6	19.894	19.052
Target Compounds							
2)	A alpha-BHC	3.993	3.385	68852829	536.8E6	9.593	10.505
3)	MA gamma-BHC...	4.323	3.721	66589896	496.5E6	9.794	10.508
6)	B beta-BHC	4.511	4.017	27996669	212.3E6	10.687	10.706
14)	MA Endrin	6.566	5.778	247.7E6	1928.2E6	50.011	47.616
16)	A 4,4'-DDD	6.698	5.918	23819458	229.7E6	5.875	6.303
17)	MA 4,4'-DDT	7.015	6.172	396.2E6	3208.7E6	96.386	91.486
18)	B Endrin al...	6.911	6.246	1997143	25132636	0.545	0.908 #
20)	A Methoxychlor	7.487	6.742	484.1E6	3334.1E6	227.770	191.307
21)	B Endrin ke...	7.622	6.980	10736710	85826701	2.210m	2.275

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

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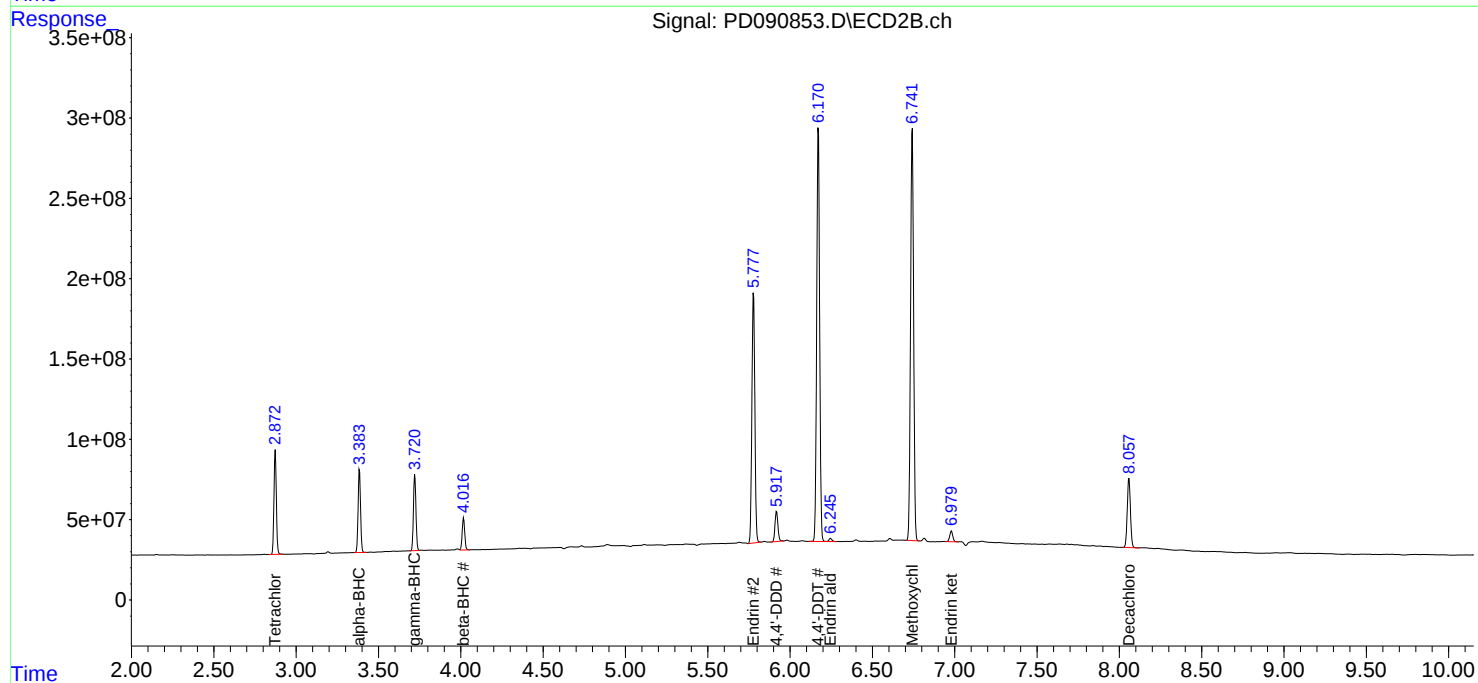
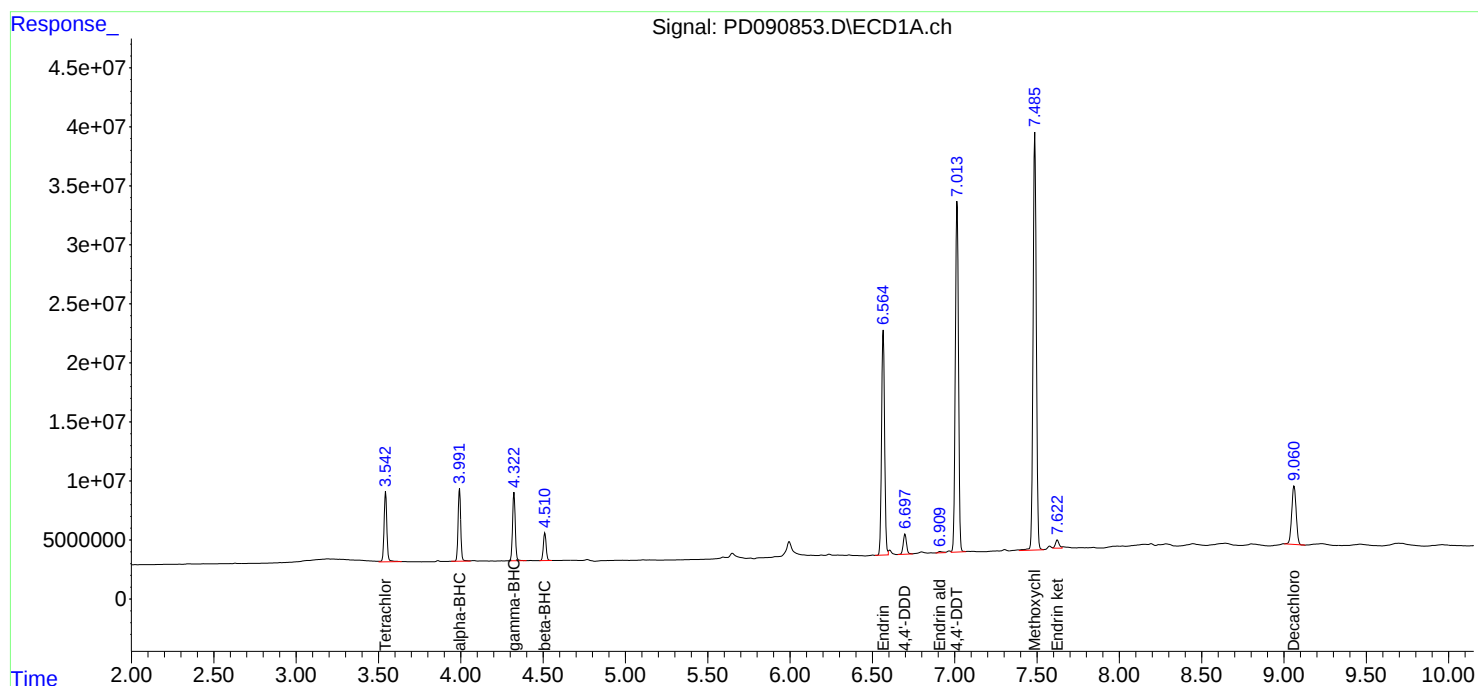
Instrument :
ECD_D
ClientSampleId :
PEM

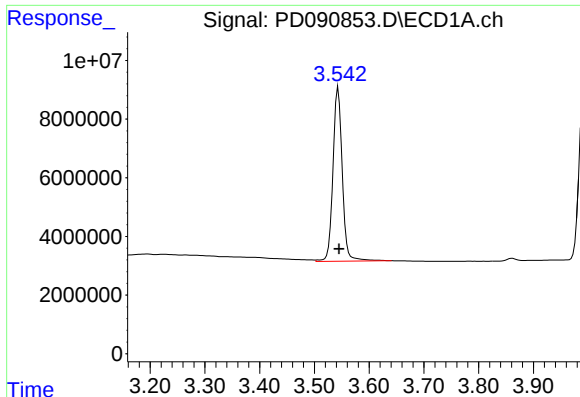
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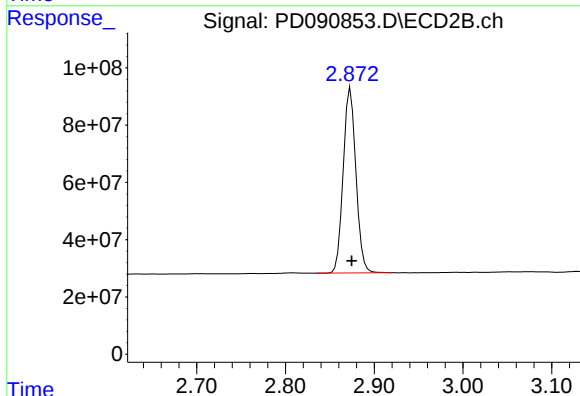
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 70350777
Conc: 22.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

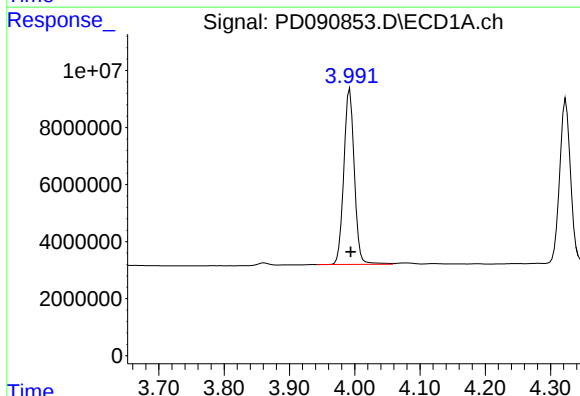
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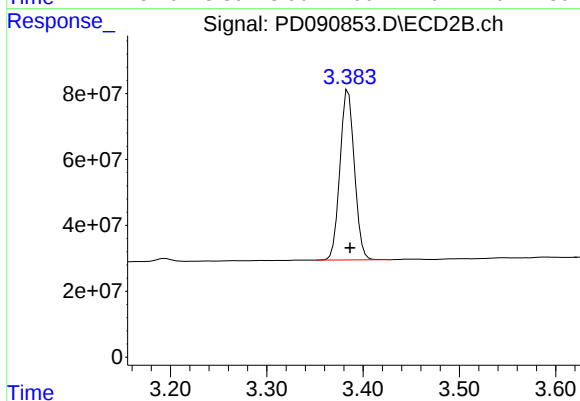
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 644594078
Conc: 21.65 ng/ml



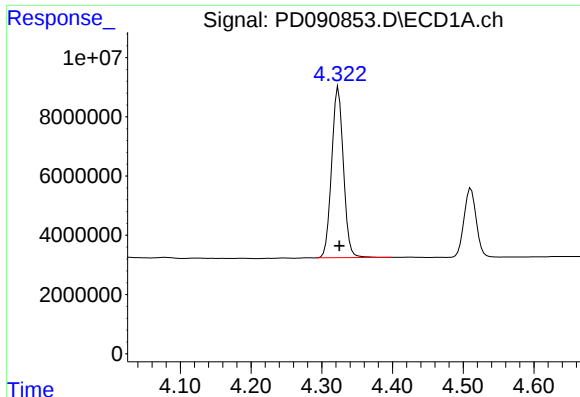
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 68852829
Conc: 9.59 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 536758153
Conc: 10.50 ng/ml



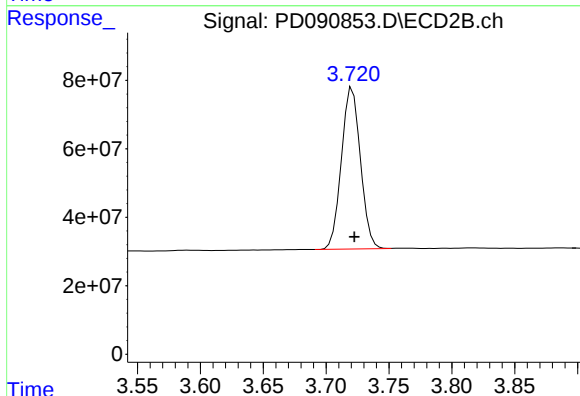
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.002 min
Response: 66589896
Conc: 9.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

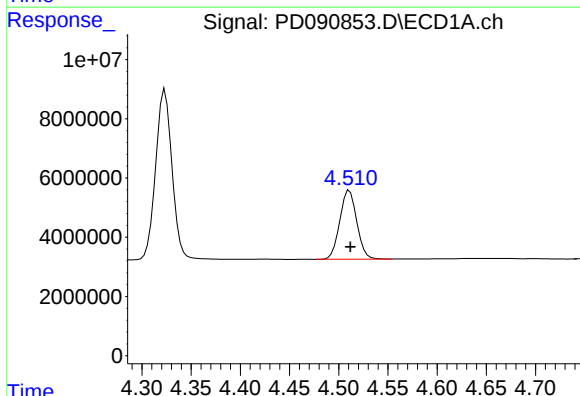
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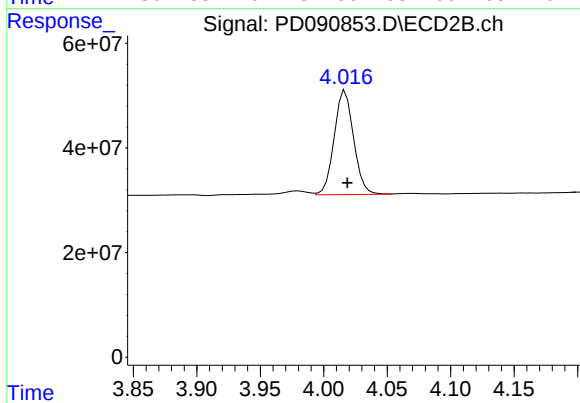
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 496470037
Conc: 10.51 ng/ml



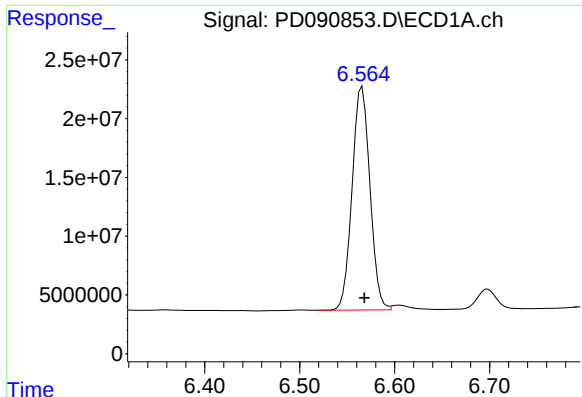
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 27996669
Conc: 10.69 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 212298536
Conc: 10.71 ng/ml



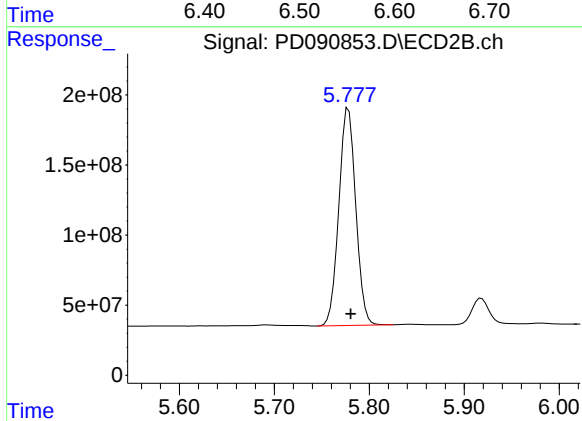
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.002 min
Response: 247737712
Conc: 50.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

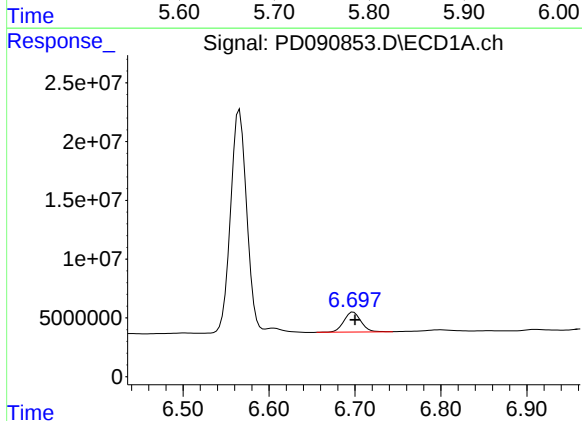
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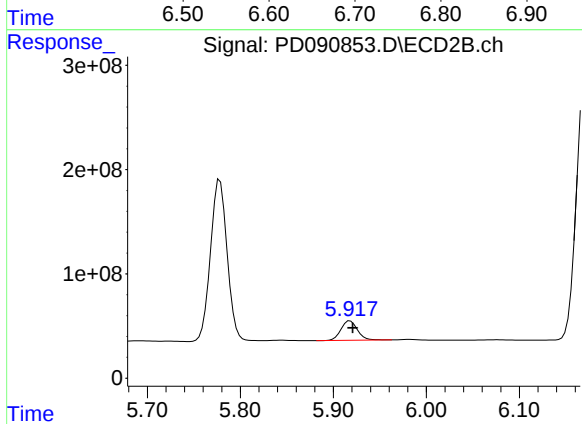
#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.002 min
Response: 1928164488
Conc: 47.62 ng/ml



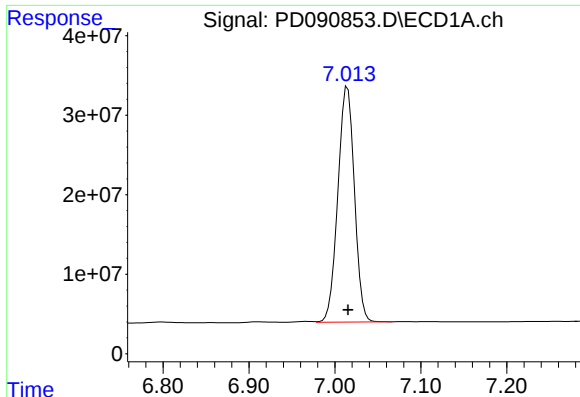
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.002 min
Response: 23819458
Conc: 5.88 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 229653239
Conc: 6.30 ng/ml



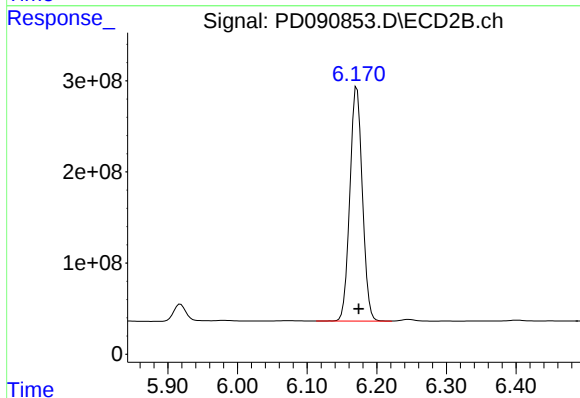
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 396190153
Conc: 96.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

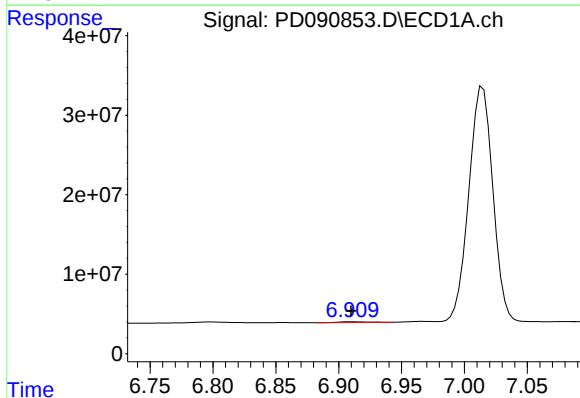
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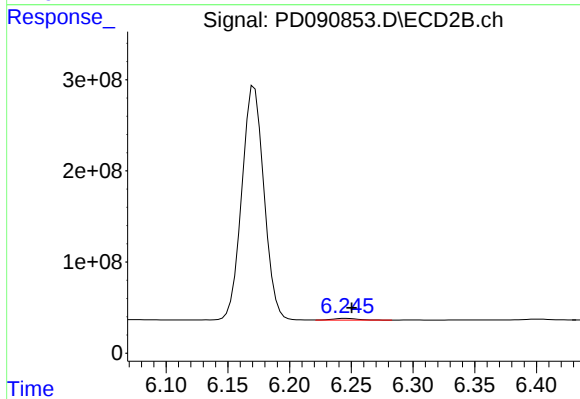
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 3208679448
Conc: 91.49 ng/ml



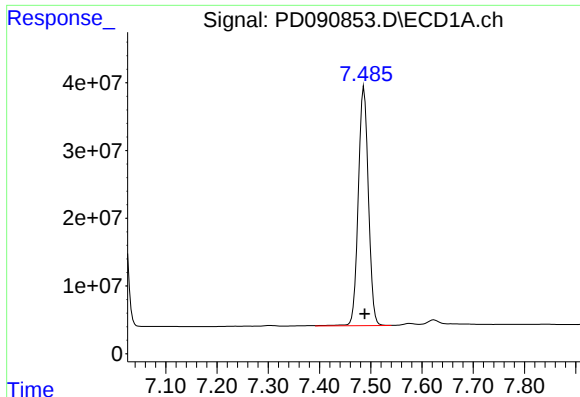
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 1997143
Conc: 0.55 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 25132636
Conc: 0.91 ng/ml



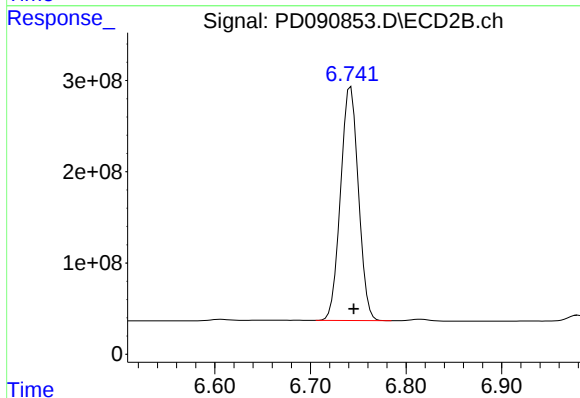
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 484143807
Conc: 227.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

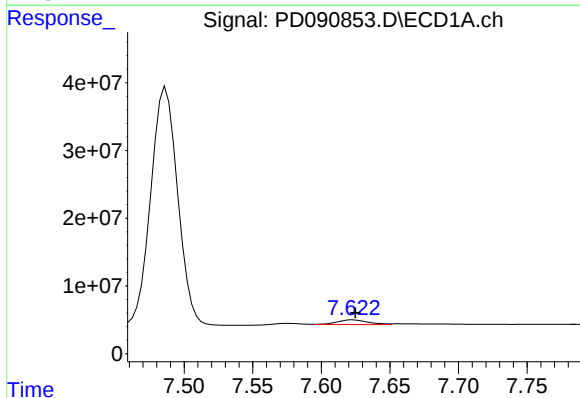
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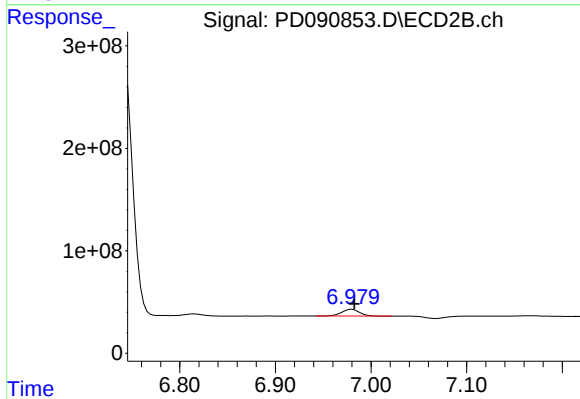
#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 3334060276
Conc: 191.31 ng/ml



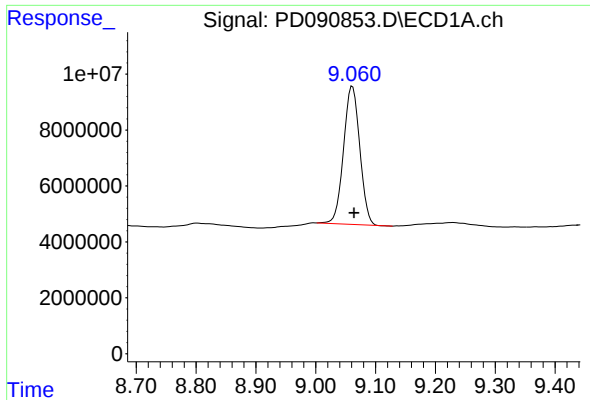
#21 Endrin ketone

R.T.: 7.622 min
Delta R.T.: -0.003 min
Response: 10736710
Conc: 2.21 ng/ml m



#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.003 min
Response: 85826701
Conc: 2.28 ng/ml



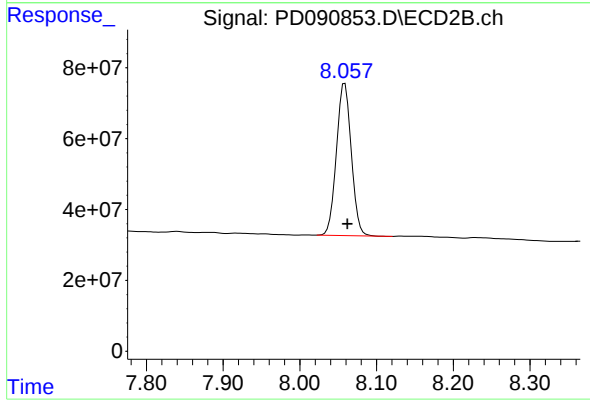
#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: -0.003 min
Response: 93061277
Conc: 19.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 577115260
Conc: 19.05 ng/ml