

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111925\
 Data File : PD091286.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Nov 2025 18:13
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/20/2025
 Supervised By :Sohil Jodhani 11/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 20 01:32:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 15 04:46:13 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	2.872	56592795	577.0E6	16.410m	15.752
28)	SA Decachlor...	9.058	8.055	91629484	659.3E6	18.393	16.659
Target Compounds							
2)	A alpha-BHC	3.990	3.383	58095163	522.6E6	7.266	8.268
3)	MA gamma-BHC...	4.321	3.719	58226466	482.3E6	7.792	8.341
6)	B beta-BHC	4.508	4.014	25494144	216.9E6	8.774	9.026m
12)	B 4,4'-DDE	6.185	5.359	2214667	27050144	0.382	0.506m#
14)	MA Endrin	6.564	5.775	201.9E6	1962.2E6	40.676	43.419
16)	A 4,4'-DDD	6.696	5.915	21833629	223.2E6	4.445	4.567
17)	MA 4,4'-DDT	7.011	6.169	274.2E6	2785.8E6	66.293	71.188
18)	B Endrin al...	6.904	6.244	3673903	48920158	0.882m	1.386 #
20)	A Methoxychlor	7.484	6.739	309.5E6	2787.0E6	142.337	138.991
21)	B Endrin ke...	7.621	6.977	12247700	105.0E6	2.174	2.060

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

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Acq On : 19 Nov 2025 18:13
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

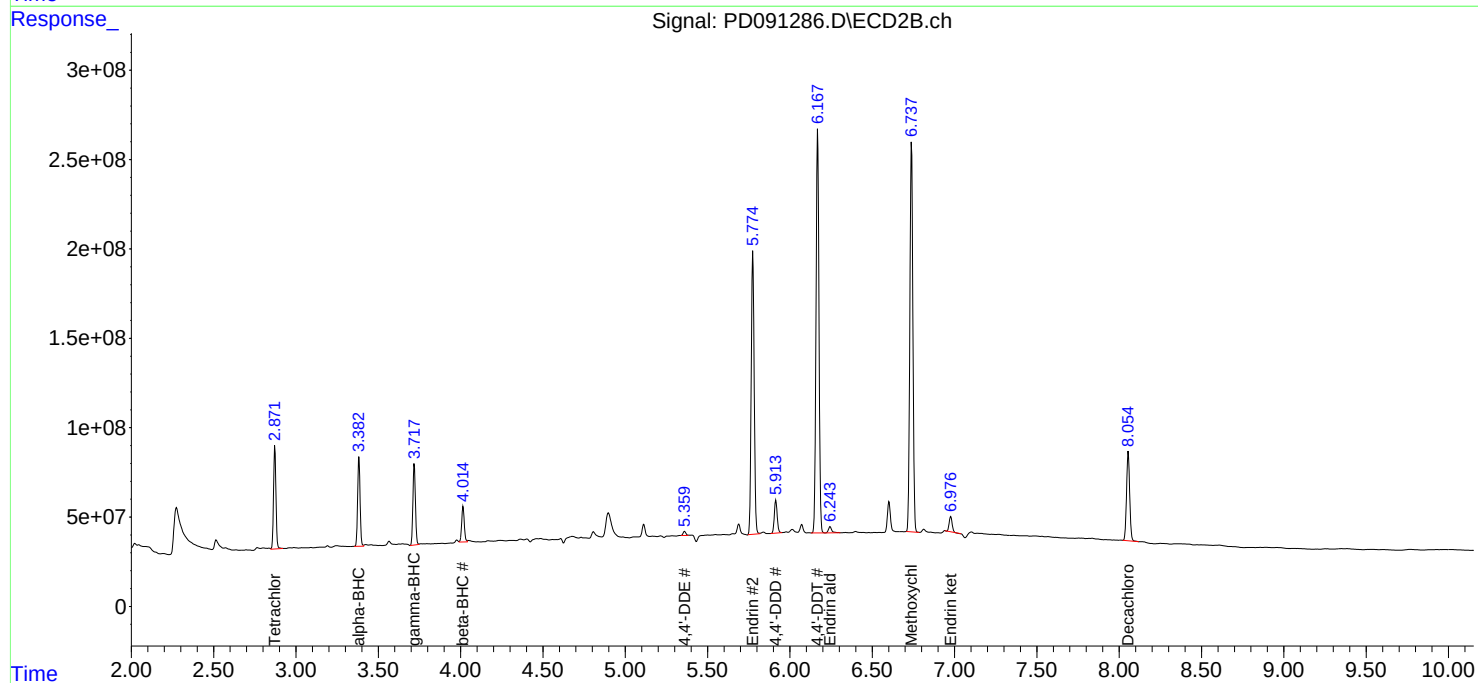
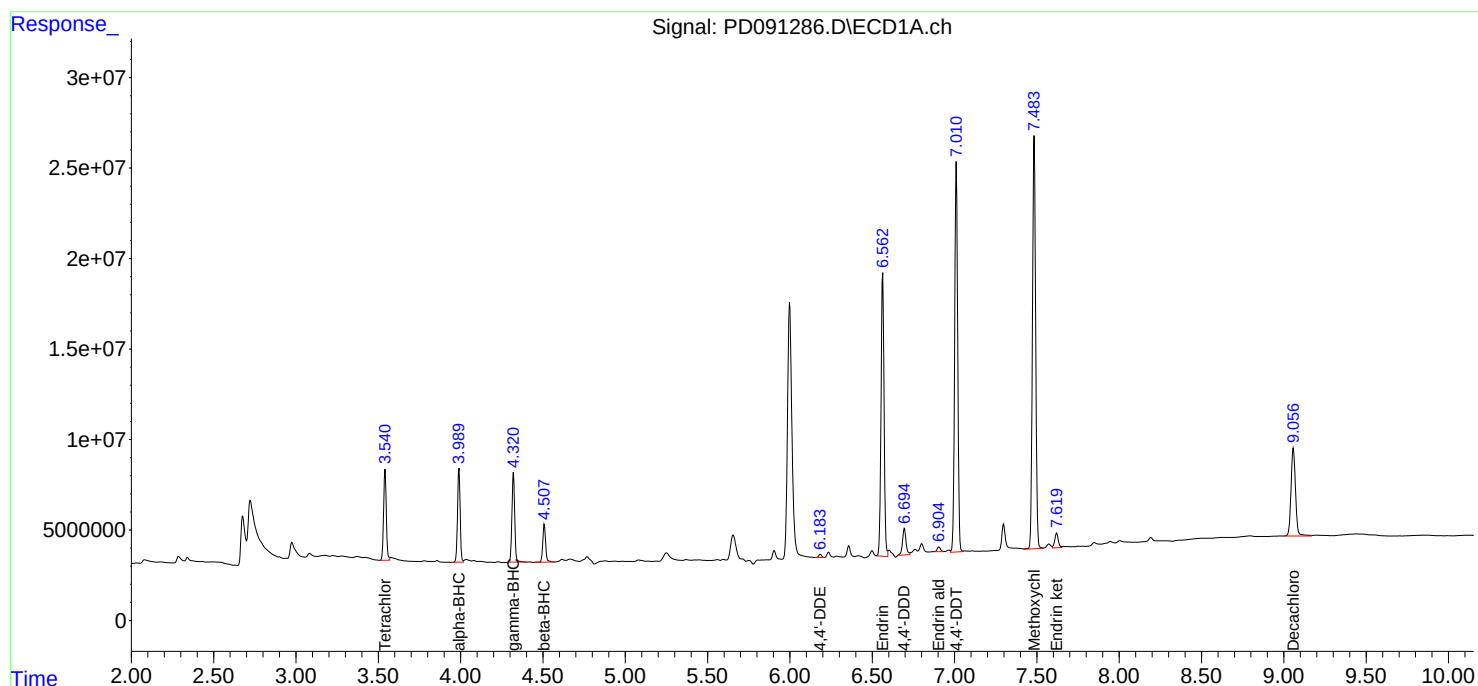
Instrument :
ECD_D
ClientSampleId :
PEM

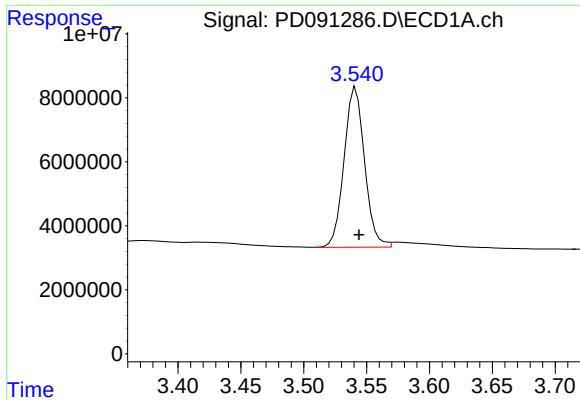
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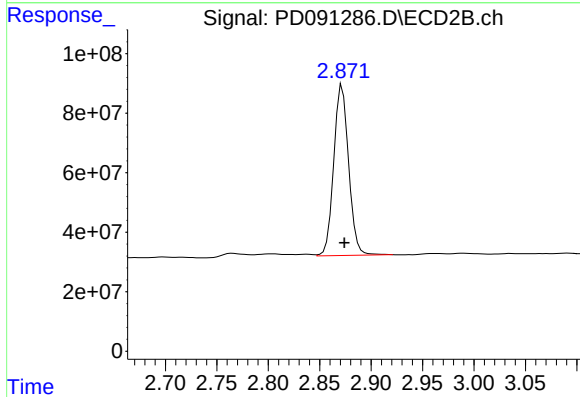
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: -0.004 min
Response: 56592795
Conc: 16.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

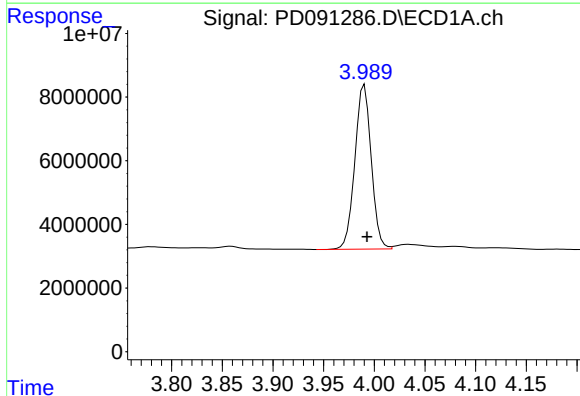
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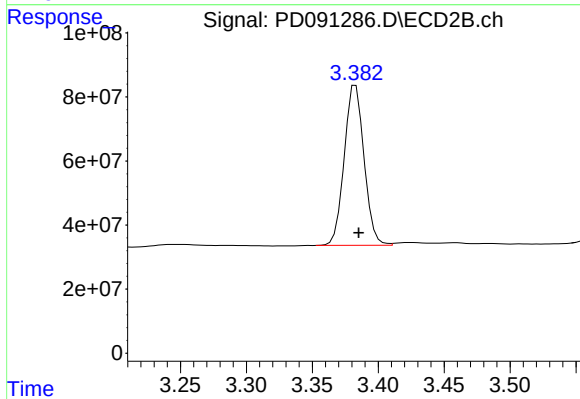
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 577012963
Conc: 15.75 ng/ml



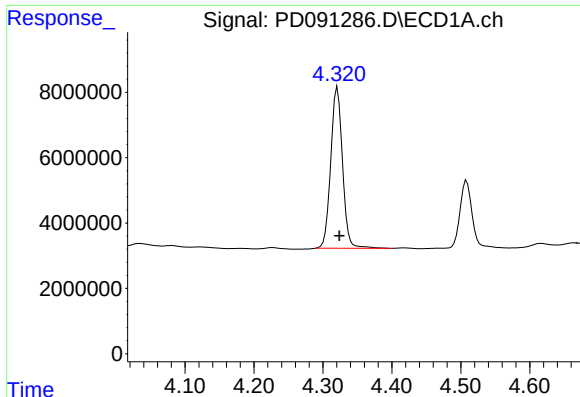
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.003 min
Response: 58095163
Conc: 7.27 ng/ml



#2 alpha-BHC

R.T.: 3.383 min
Delta R.T.: -0.002 min
Response: 522553251
Conc: 8.27 ng/ml



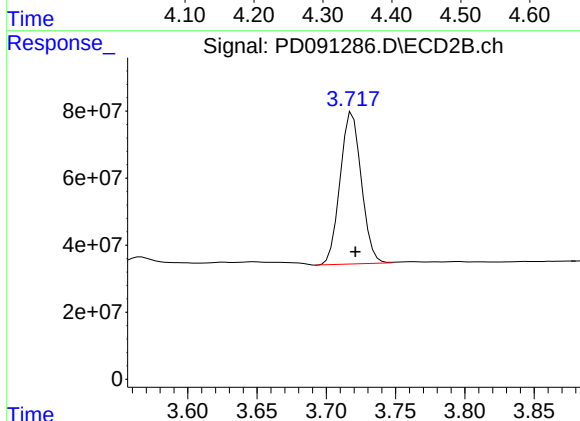
#3 gamma-BHC (Lindane)

R.T.: 4.321 min
Delta R.T.: -0.003 min
Response: 58226466
Conc: 7.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

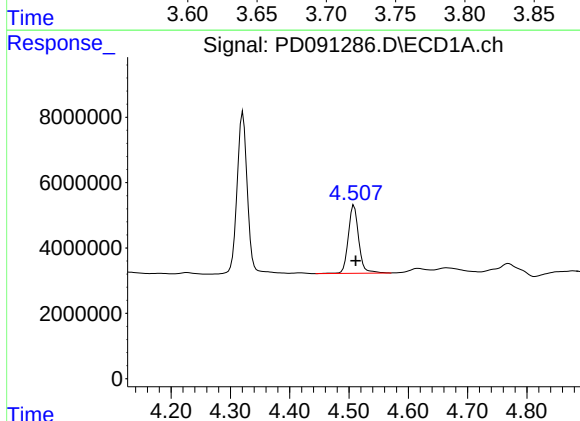
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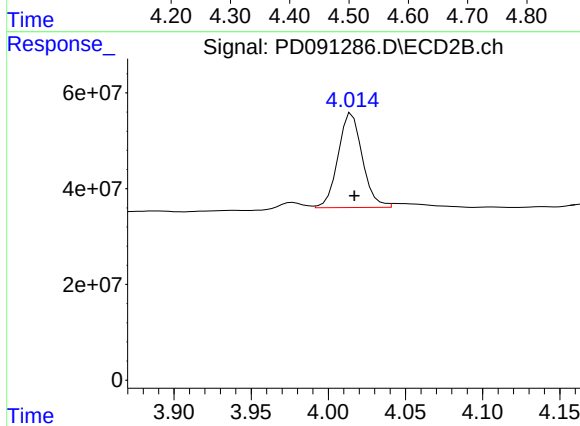
#3 gamma-BHC (Lindane)

R.T.: 3.719 min
Delta R.T.: -0.002 min
Response: 482291908
Conc: 8.34 ng/ml



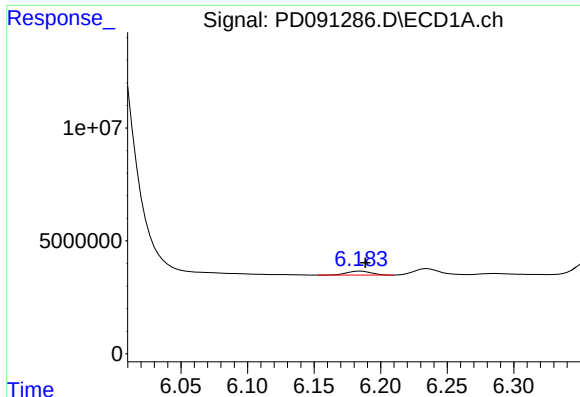
#6 beta-BHC

R.T.: 4.508 min
Delta R.T.: -0.003 min
Response: 25494144
Conc: 8.77 ng/ml



#6 beta-BHC

R.T.: 4.014 min
Delta R.T.: -0.003 min
Response: 216865124
Conc: 9.03 ng/ml m



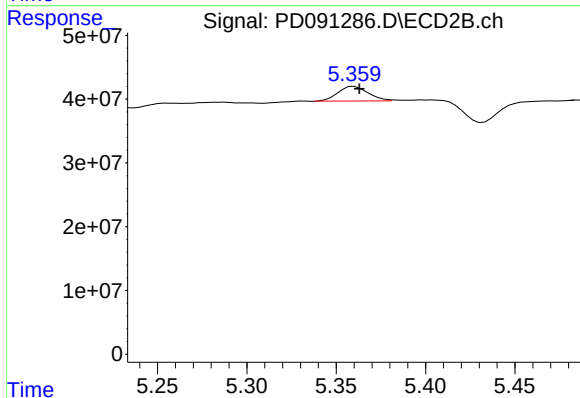
#12 4,4'-DDE

R.T.: 6.185 min
Delta R.T.: -0.004 min
Response: 2214667
Conc: 0.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

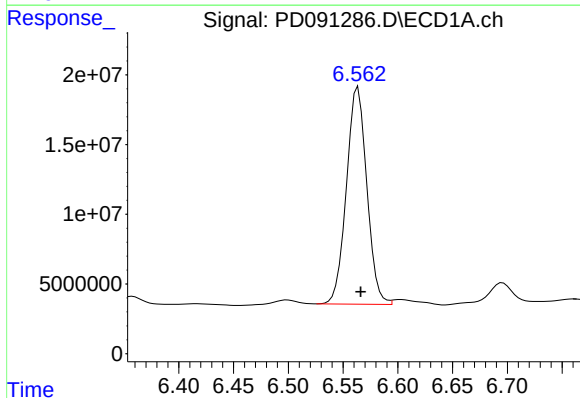
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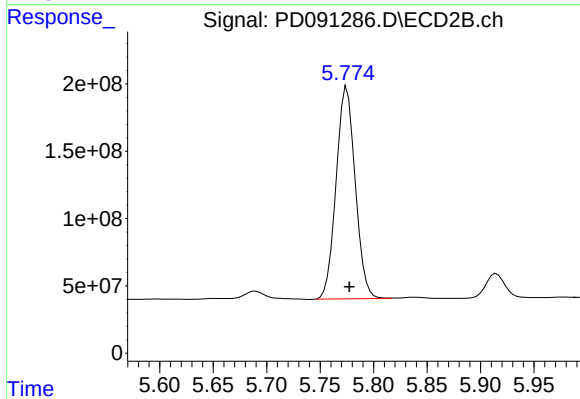
#12 4,4'-DDE

R.T.: 5.359 min
Delta R.T.: -0.004 min
Response: 27050144
Conc: 0.51 ng/ml m



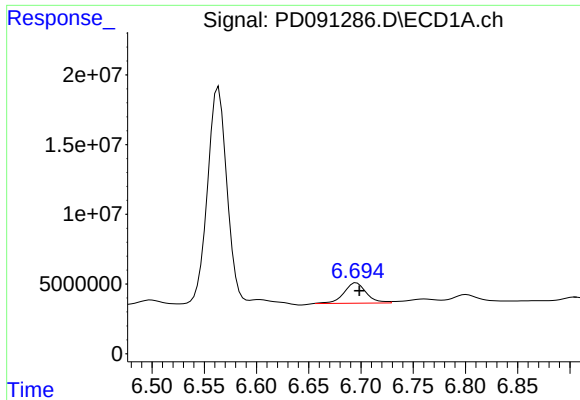
#14 Endrin

R.T.: 6.564 min
Delta R.T.: -0.002 min
Response: 201895510
Conc: 40.68 ng/ml



#14 Endrin

R.T.: 5.775 min
Delta R.T.: -0.003 min
Response: 1962199539
Conc: 43.42 ng/ml



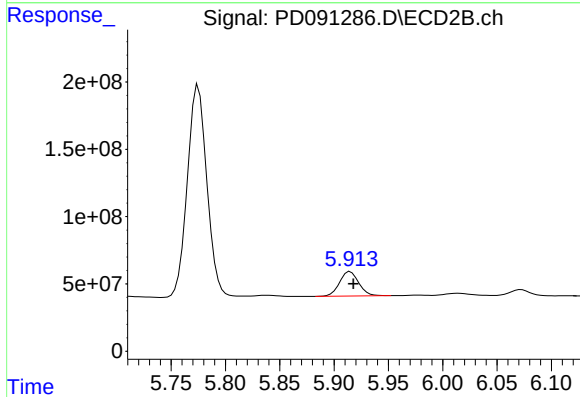
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.003 min
Response: 21833629
Conc: 4.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

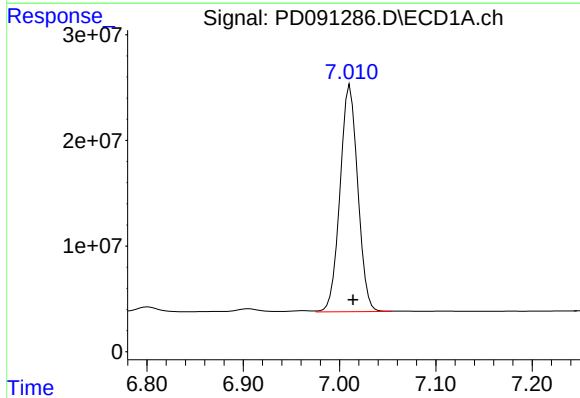
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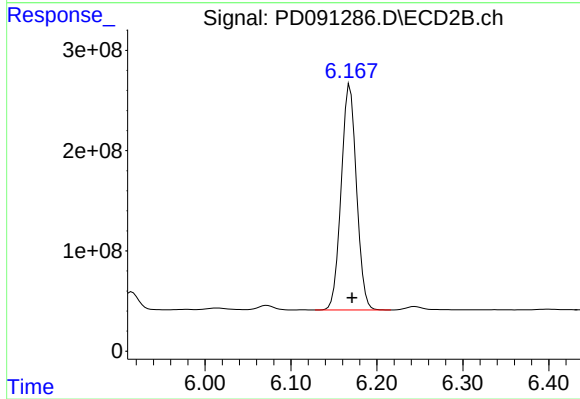
#16 4,4'-DDD

R.T.: 5.915 min
Delta R.T.: -0.003 min
Response: 223184298
Conc: 4.57 ng/ml



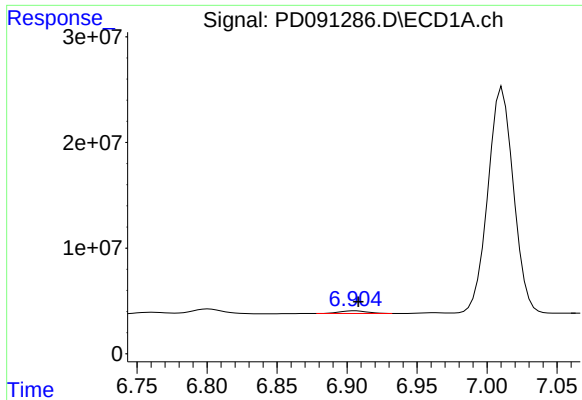
#17 4,4'-DDT

R.T.: 7.011 min
Delta R.T.: -0.003 min
Response: 274154088
Conc: 66.29 ng/ml



#17 4,4'-DDT

R.T.: 6.169 min
Delta R.T.: -0.003 min
Response: 2785785498
Conc: 71.19 ng/ml



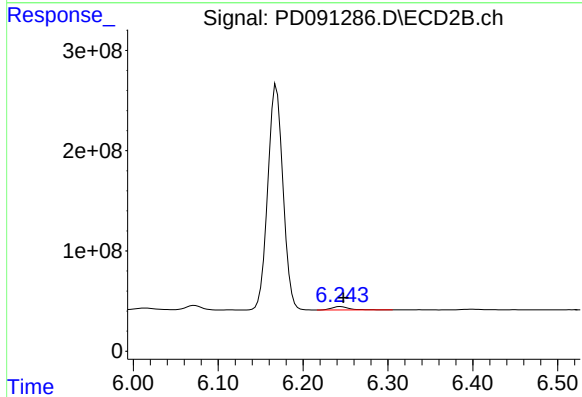
#18 Endrin aldehyde

R.T.: 6.904 min
Delta R.T.: -0.004 min
Response: 3673903
Conc: 0.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

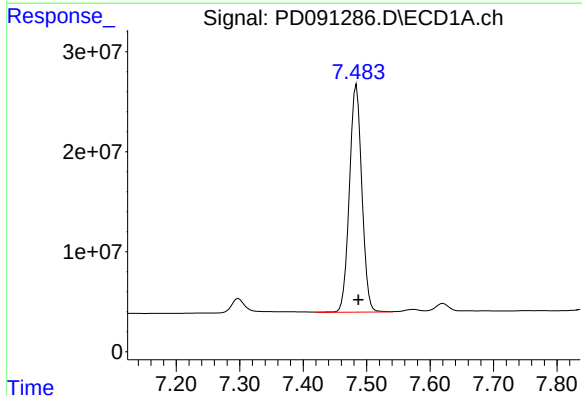
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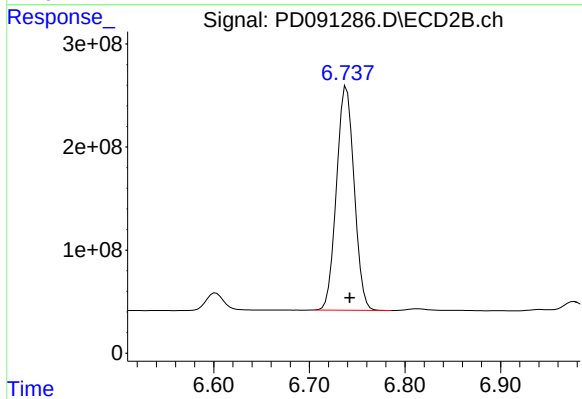
#18 Endrin aldehyde

R.T.: 6.244 min
Delta R.T.: -0.003 min
Response: 48920158
Conc: 1.39 ng/ml



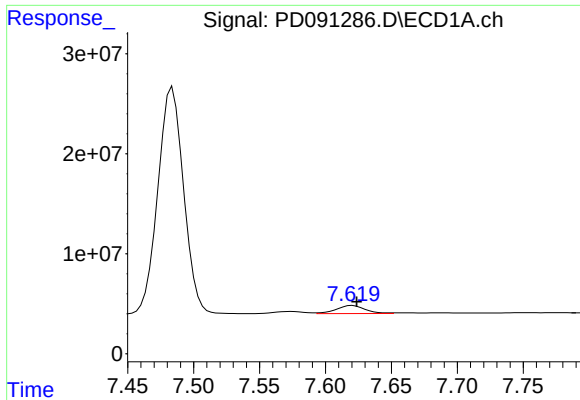
#20 Methoxychlor

R.T.: 7.484 min
Delta R.T.: -0.003 min
Response: 309487524
Conc: 142.34 ng/ml



#20 Methoxychlor

R.T.: 6.739 min
Delta R.T.: -0.003 min
Response: 2786957966
Conc: 138.99 ng/ml



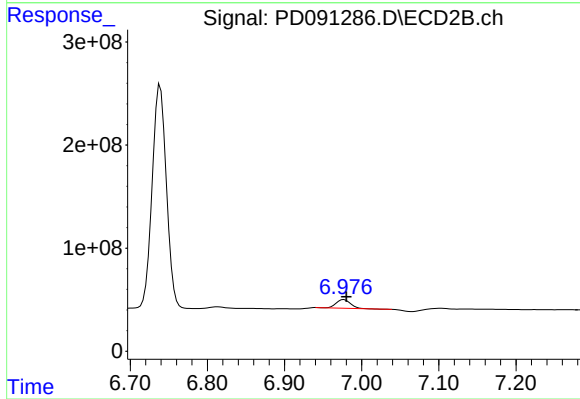
#21 Endrin ketone

R.T.: 7.621 min
Delta R.T.: -0.003 min
Response: 12247700
Conc: 2.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

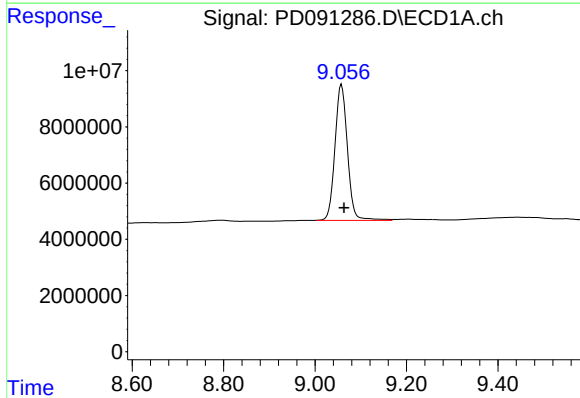
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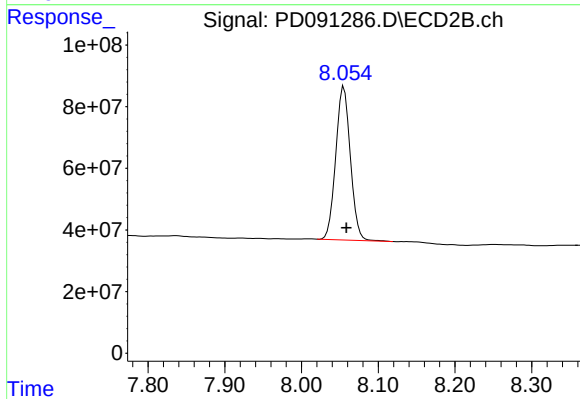
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.003 min
Response: 104959113
Conc: 2.06 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.006 min
Response: 91629484
Conc: 18.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.055 min
Delta R.T.: -0.003 min
Response: 659269378
Conc: 16.66 ng/ml