

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD110725\
 Data File : PD091016.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Nov 2025 09:56
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Yogesh Patel 11/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 08 02:41:14 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...	3.544	2.873	70852370	720.8E6	22.752	24.207
28)	SA Decachlor...	9.063	8.058	106.3E6	786.1E6	22.714	25.950
Target Compounds							
2)	A alpha-BHC	3.992	3.385	70281314	603.3E6	9.792	11.807
3)	MA gamma-BHC...	4.323	3.721	67927022	558.9E6	9.991	11.830
6)	B beta-BHC	4.511	4.017	28990534	240.0E6	11.067	12.105
12)	B 4,4'-DDE	6.188	5.364	808950	7708929	0.152	0.176
14)	MA Endrin	6.566	5.778	253.5E6	2127.5E6	51.184	52.538
16)	A 4,4'-DDD	6.698	5.918	16318027	174.8E6	4.025	4.796
17)	MA 4,4'-DDT	7.014	6.171	446.6E6	3887.7E6	108.653	110.846
18)	B Endrin al...	6.907	6.246	3716940	44993015	1.015m	1.625 #
20)	A Methoxychlor	7.487	6.741	543.9E6	4030.6E6	255.869	231.276
21)	B Endrin ke...	7.623	6.979	12184493	97248594	2.508	2.578

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

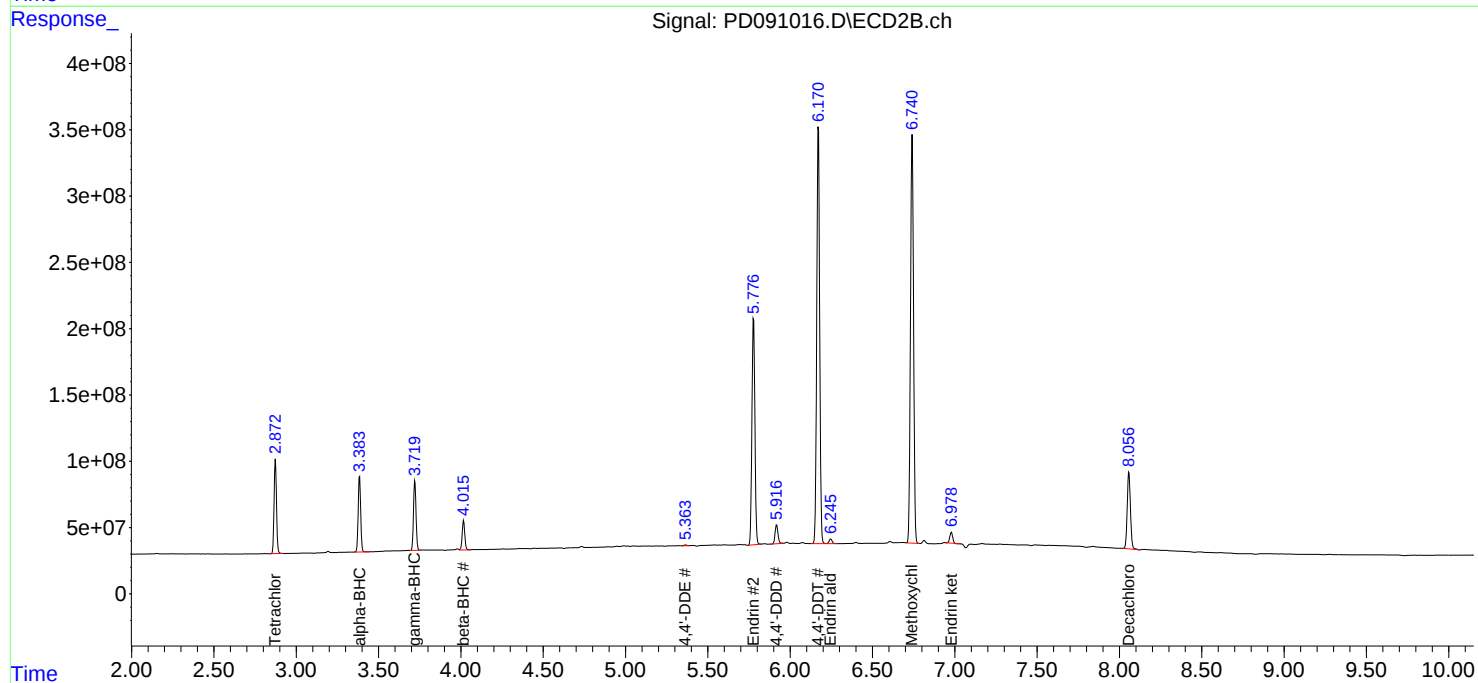
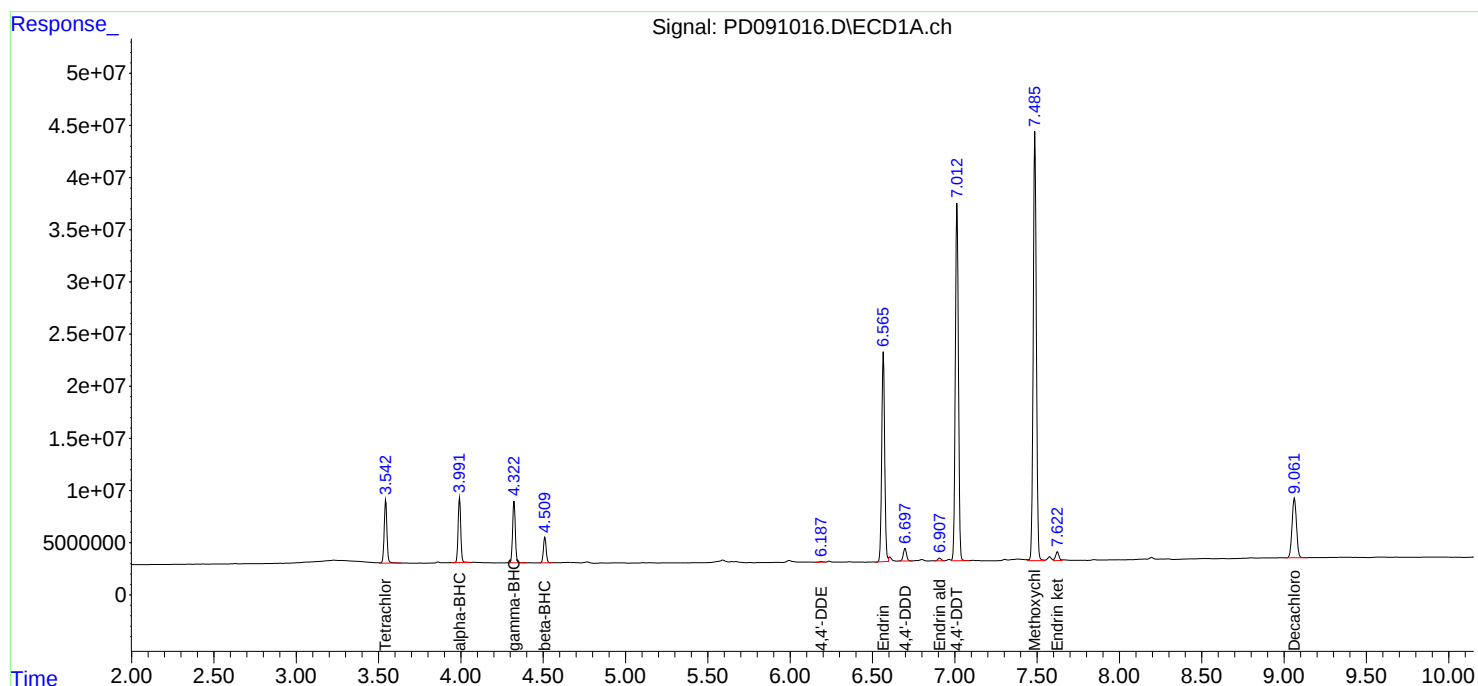
Instrument :
ECD_D
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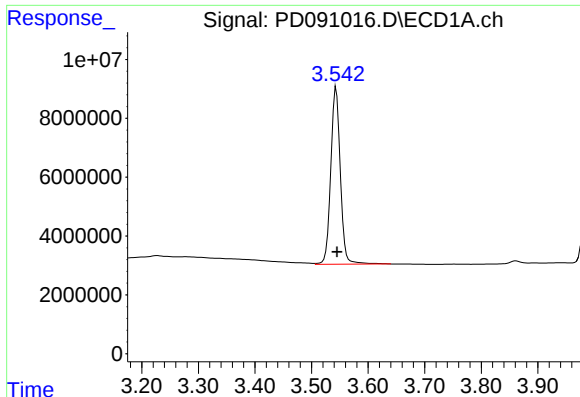
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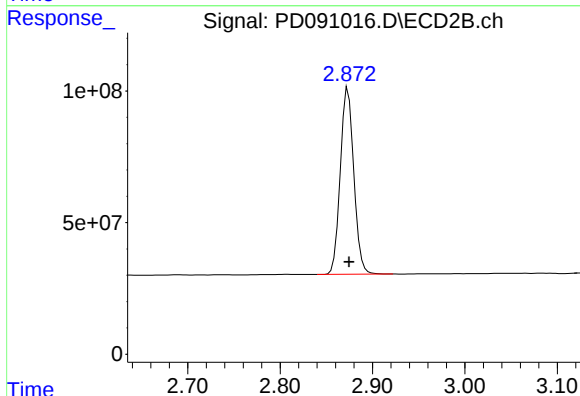
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 70852370
Conc: 22.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

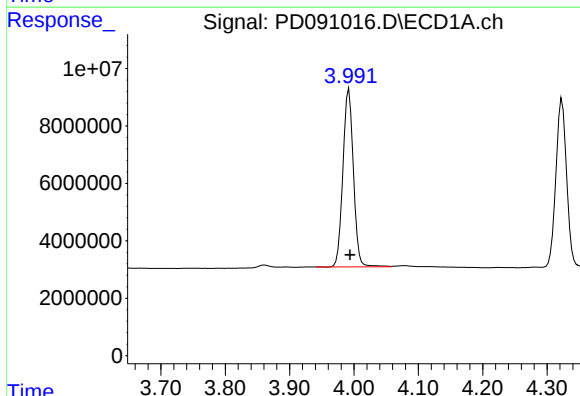
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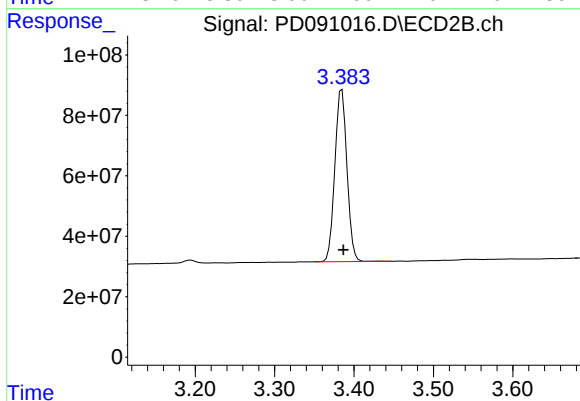
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 720826479
Conc: 24.21 ng/ml



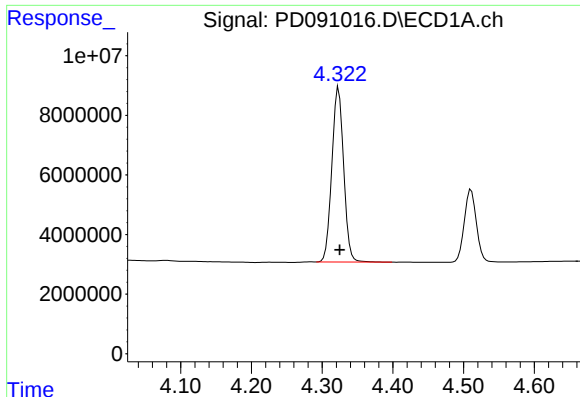
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.002 min
Response: 70281314
Conc: 9.79 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 603275388
Conc: 11.81 ng/ml



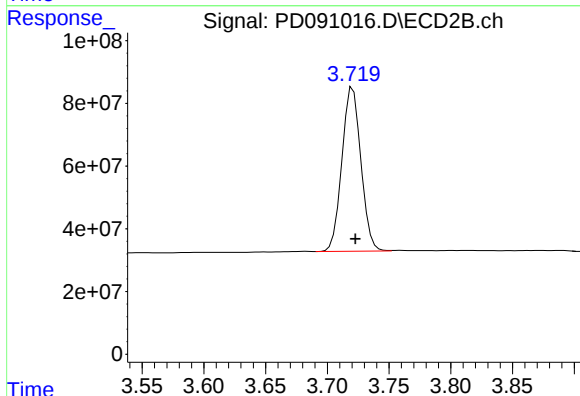
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.002 min
Response: 67927022
Conc: 9.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

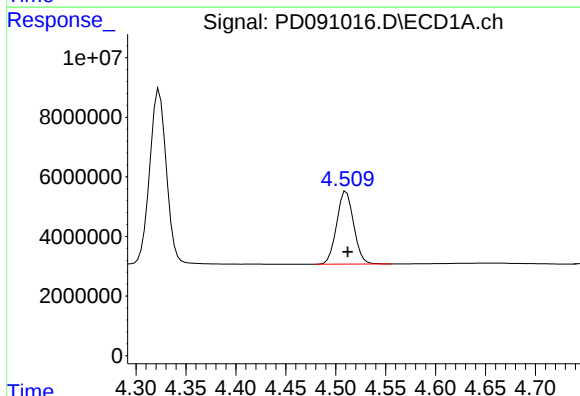
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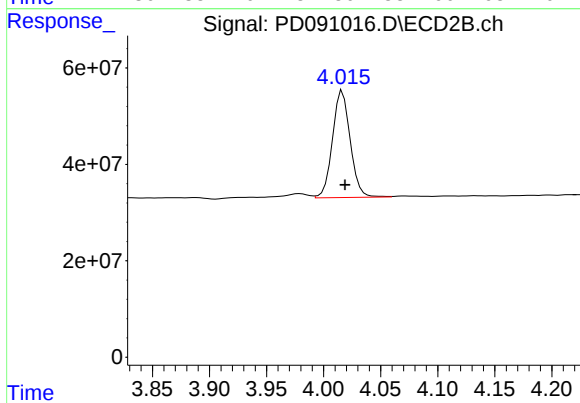
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 558931112
Conc: 11.83 ng/ml



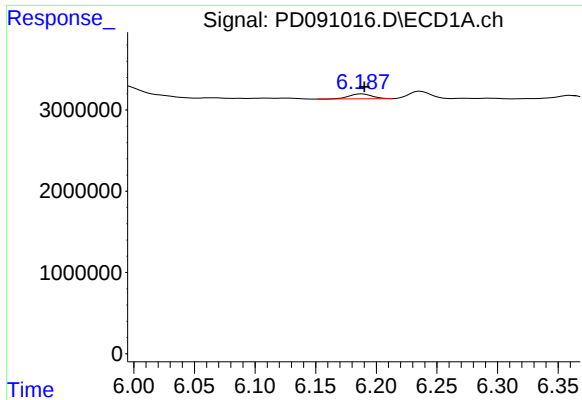
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 28990534
Conc: 11.07 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 240034396
Conc: 12.10 ng/ml



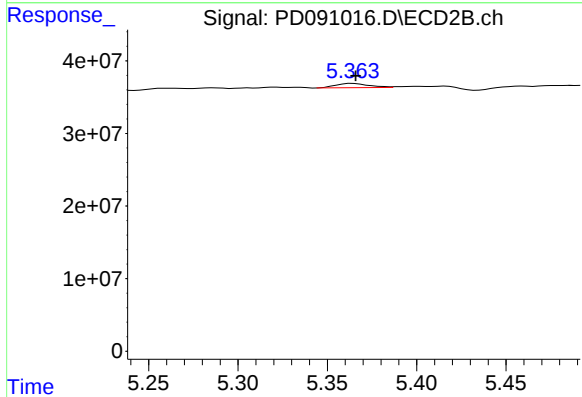
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.002 min
Response: 808950
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

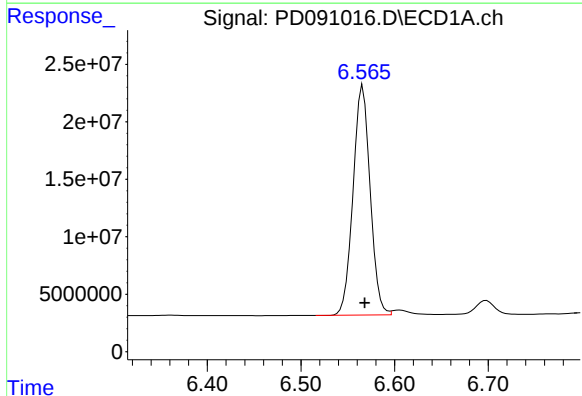
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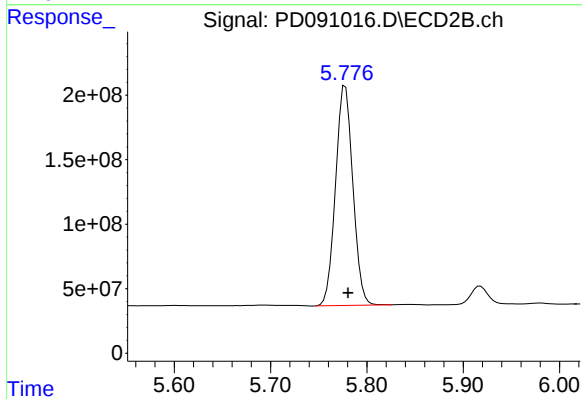
#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 7708929
Conc: 0.18 ng/ml



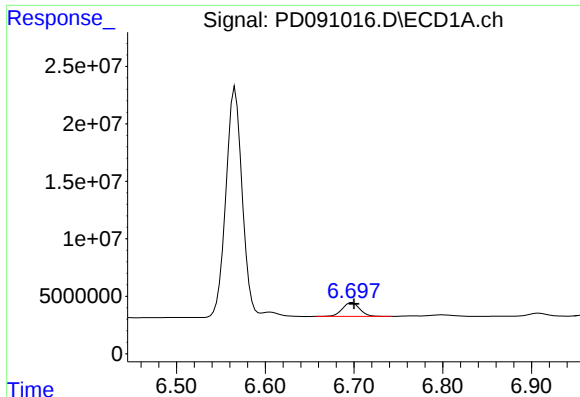
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.002 min
Response: 253548730
Conc: 51.18 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.003 min
Response: 2127465039
Conc: 52.54 ng/ml



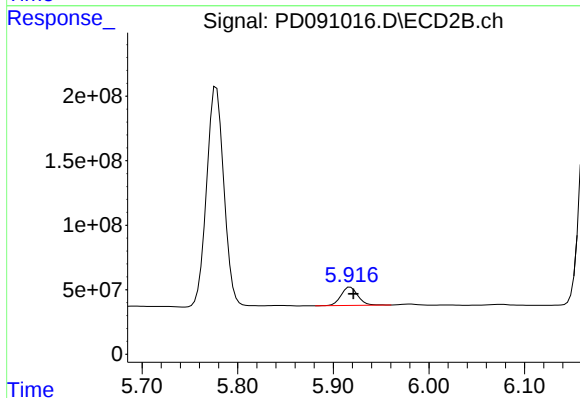
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.002 min
Response: 16318027
Conc: 4.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

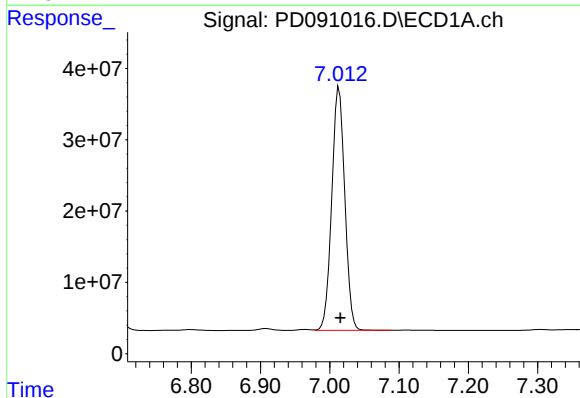
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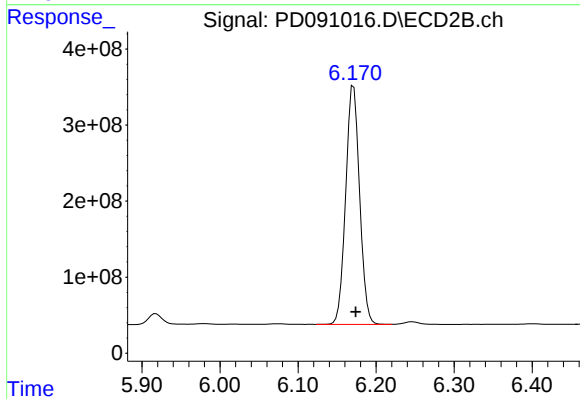
#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 174755212
Conc: 4.80 ng/ml



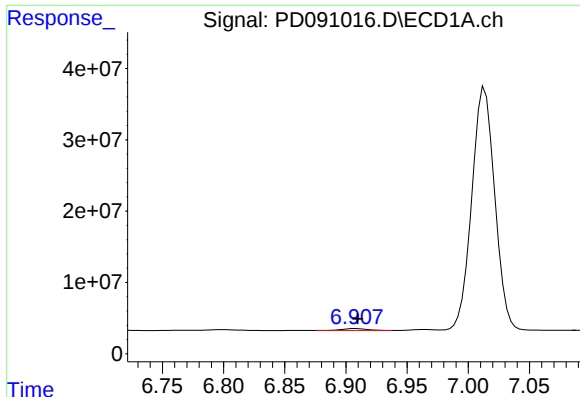
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.002 min
Response: 446613598
Conc: 108.65 ng/ml



#17 4,4'-DDT

R.T.: 6.171 min
Delta R.T.: -0.003 min
Response: 3887726504
Conc: 110.85 ng/ml



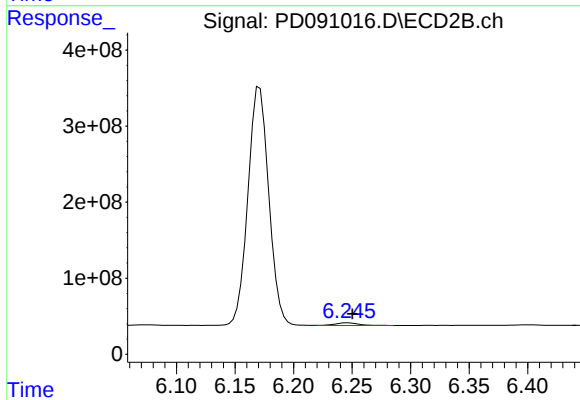
#18 Endrin aldehyde

R.T.: 6.907 min
Delta R.T.: -0.003 min
Response: 3716940
Conc: 1.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

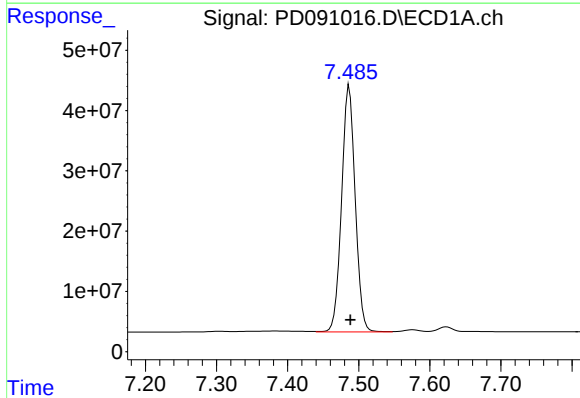
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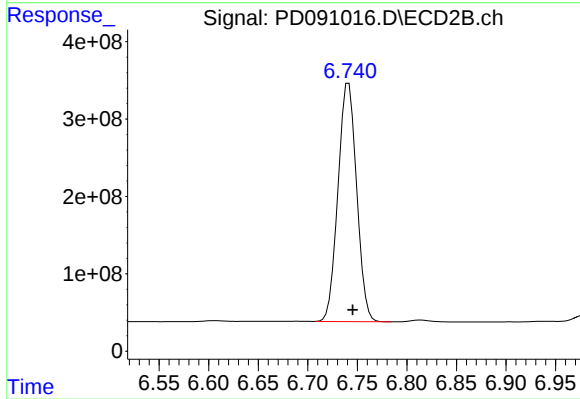
#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 44993015
Conc: 1.62 ng/ml



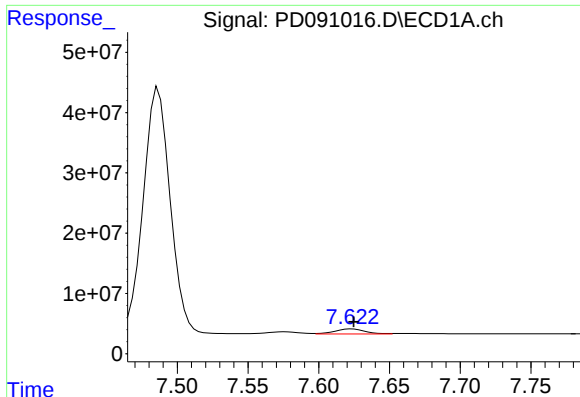
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 543871100
Conc: 255.87 ng/ml



#20 Methoxychlor

R.T.: 6.741 min
Delta R.T.: -0.004 min
Response: 4030637100
Conc: 231.28 ng/ml



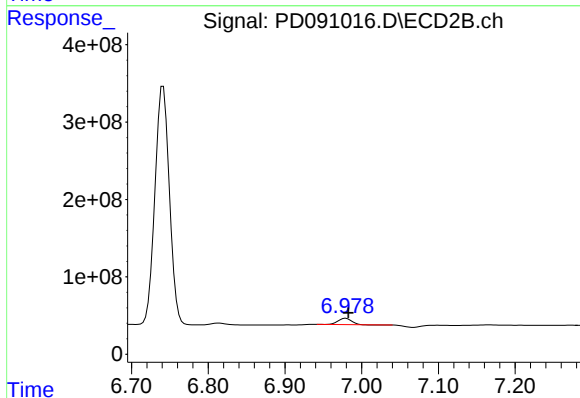
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.001 min
Response: 12184493
Conc: 2.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

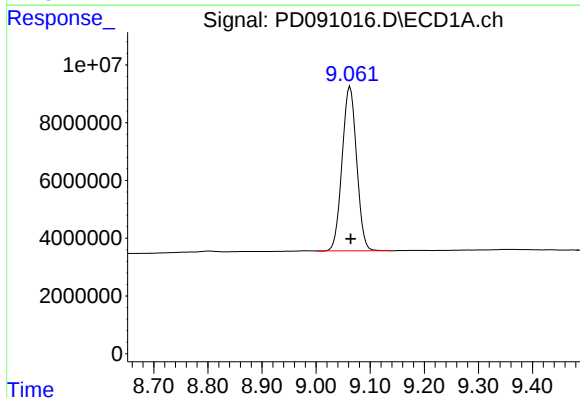
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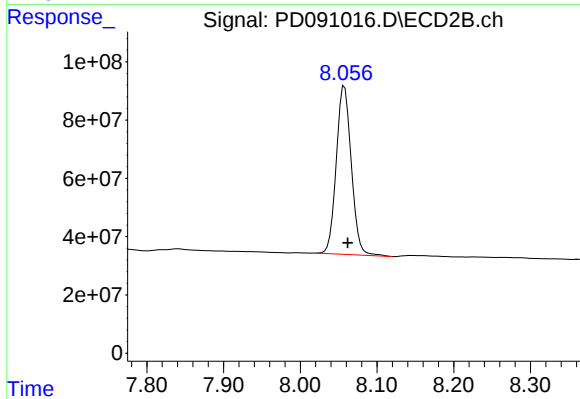
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: -0.003 min
Response: 97248594
Conc: 2.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.001 min
Response: 106254035
Conc: 22.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.004 min
Response: 786073249
Conc: 25.95 ng/ml