

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090183.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 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 :Abdul Mirza 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:40:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.549	2.877	56230857	450.1E6	19.160	20.413
28)	SA Decachlor...	9.068	8.063	74601640	420.8E6	17.285	16.255
Target Compounds							
2)	A alpha-BHC	3.998	3.389	54931379	372.8E6	9.152	10.985
3)	MA gamma-BHC...	4.328	3.724	53737787	337.0E6	9.383	10.812
6)	B beta-BHC	4.515	4.020	22794882	145.3E6	10.163	10.897
12)	B 4,4'-DDE	6.192	5.368	1152483	9180245	0.263	0.319
14)	MA Endrin	6.571	5.782	168.1E6	1120.4E6	40.570	42.070
16)	A 4,4'-DDD	6.702	5.922	23262198	187.3E6	6.725	7.790
17)	MA 4,4'-DDT	7.018	6.175	271.1E6	1899.3E6	71.170	75.759
18)	B Endrin al...	6.912	6.251	4767539	35431324	1.663	2.058
20)	A Methoxychlor	7.490	6.746	325.2E6	1871.6E6	162.131	145.130
21)	B Endrin ke...	7.625	6.983	14012045	126.5E6	3.381m	4.748 #

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

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Acq On : 08 Sep 2025 09:56
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

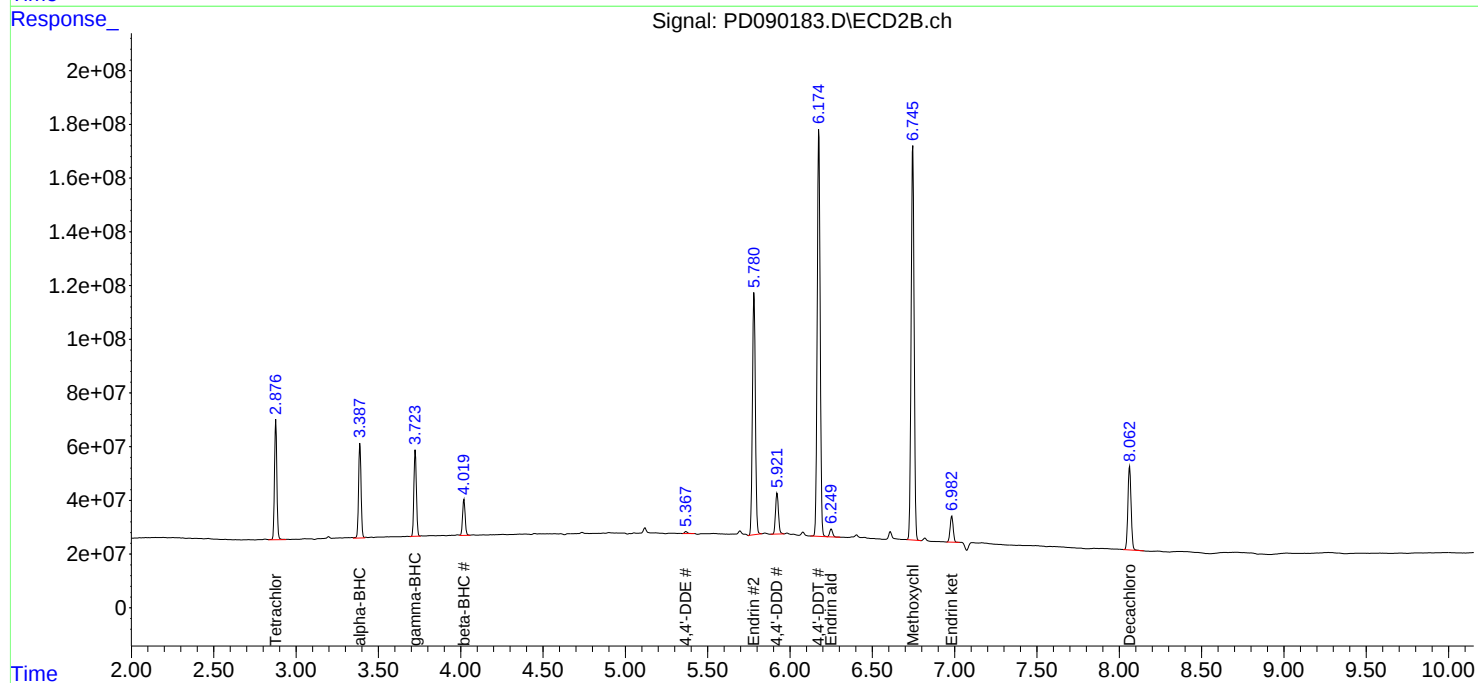
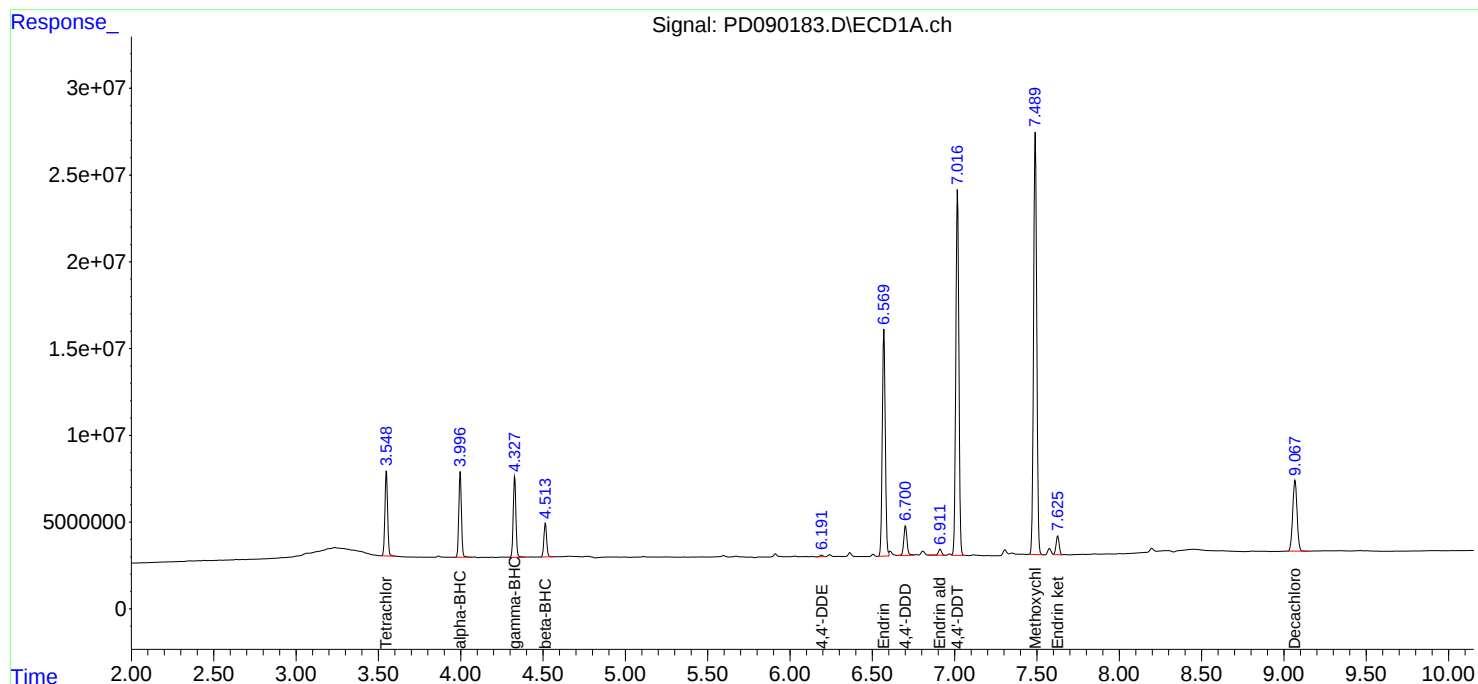
Instrument :
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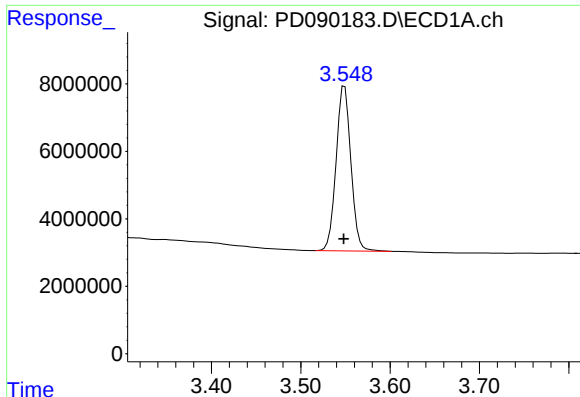
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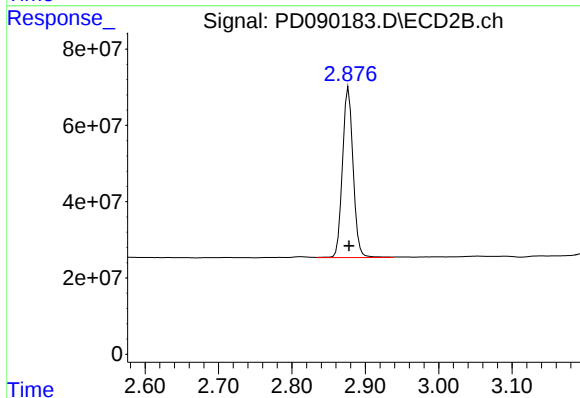
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.001 min
Response: 56230857
Conc: 19.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

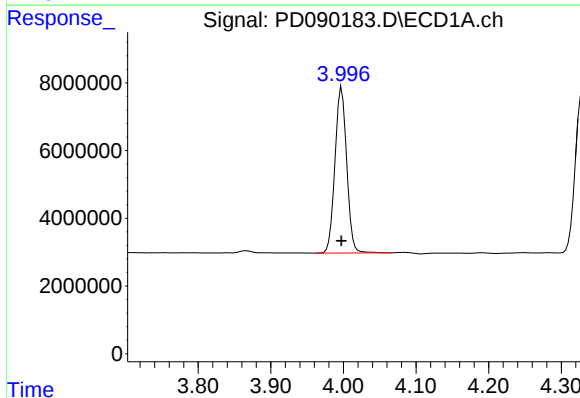
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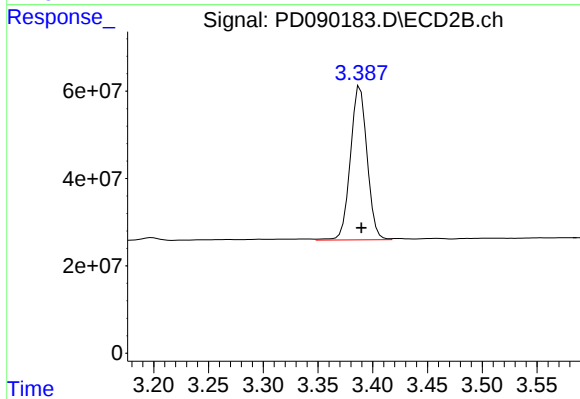
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 450127394
Conc: 20.41 ng/ml



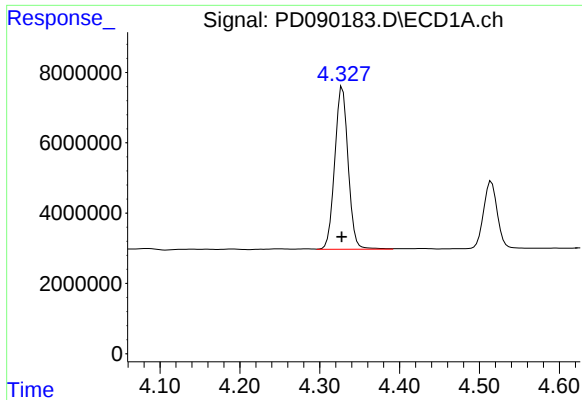
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 54931379
Conc: 9.15 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 372819945
Conc: 10.99 ng/ml



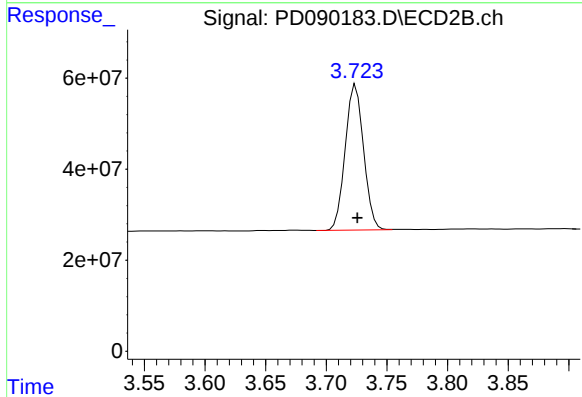
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 53737787
Conc: 9.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

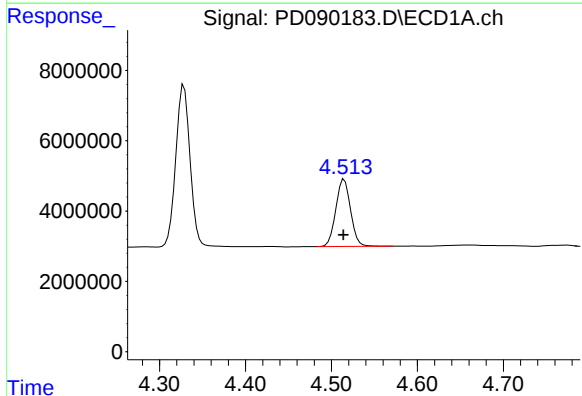
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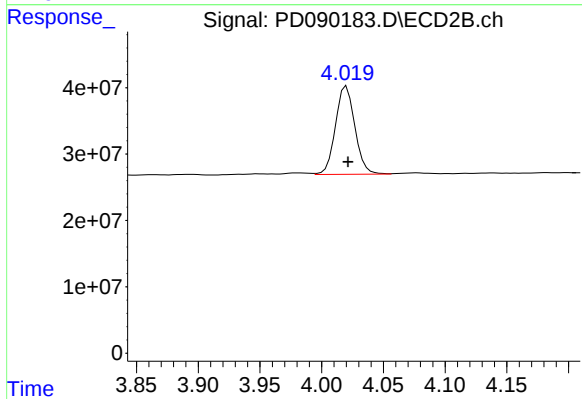
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.001 min
Response: 337004148
Conc: 10.81 ng/ml



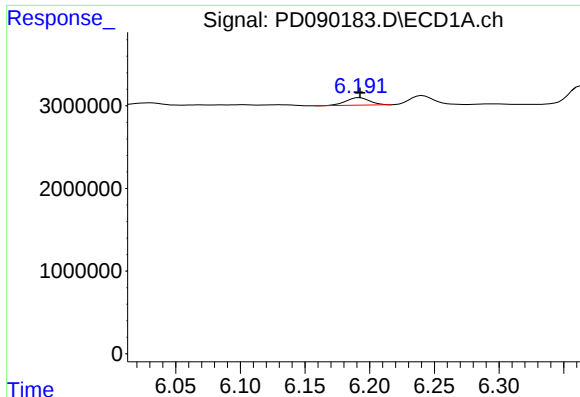
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 22794882
Conc: 10.16 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: -0.001 min
Response: 145257767
Conc: 10.90 ng/ml



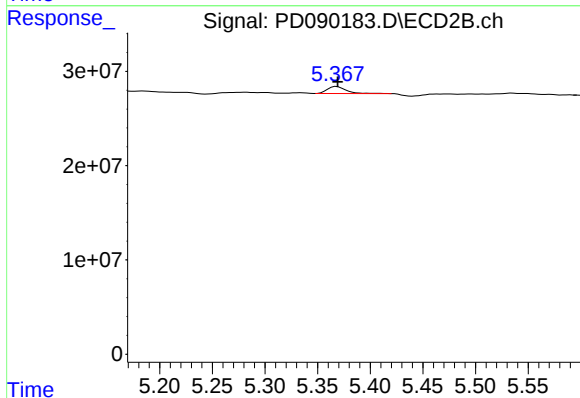
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 1152483
Conc: 0.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#12 4,4'-DDE

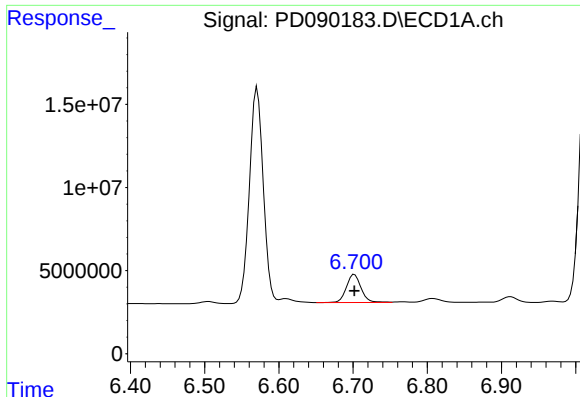
R.T.: 5.368 min
Delta R.T.: -0.001 min
Response: 9180245
Conc: 0.32 ng/ml

#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 168105234
Conc: 40.57 ng/ml

#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 1120428365
Conc: 42.07 ng/ml



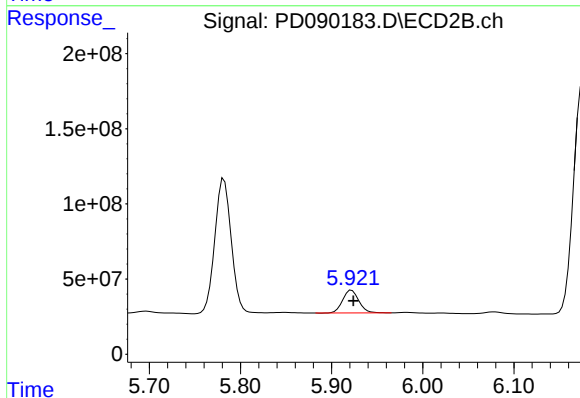
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 23262198
Conc: 6.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

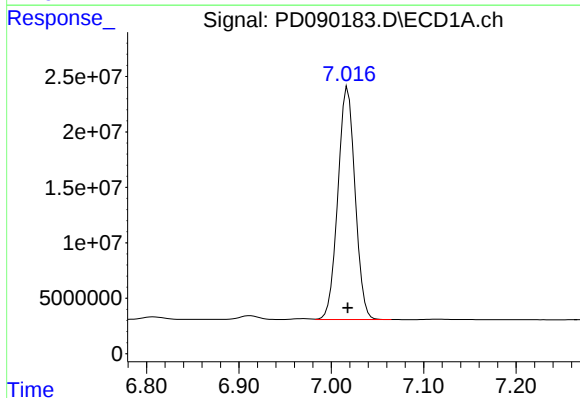
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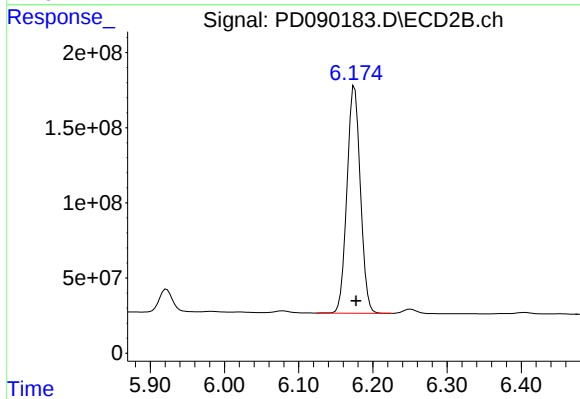
#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.002 min
Response: 187309990
Conc: 7.79 ng/ml



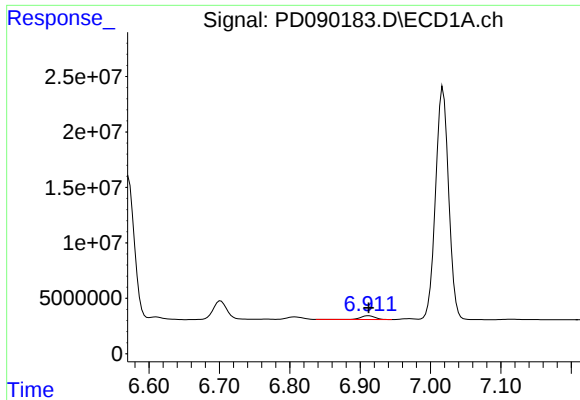
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 271140378
Conc: 71.17 ng/ml



#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: -0.002 min
Response: 1899250317
Conc: 75.76 ng/ml



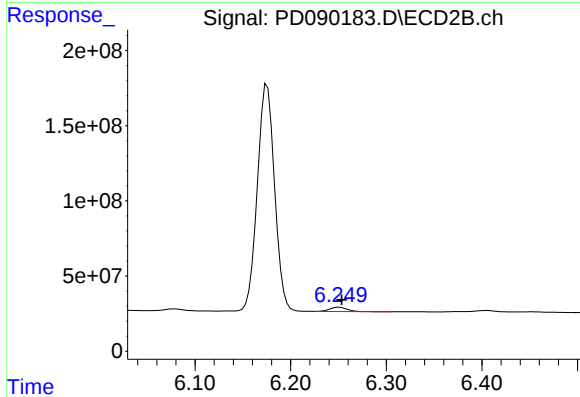
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 4767539
Conc: 1.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

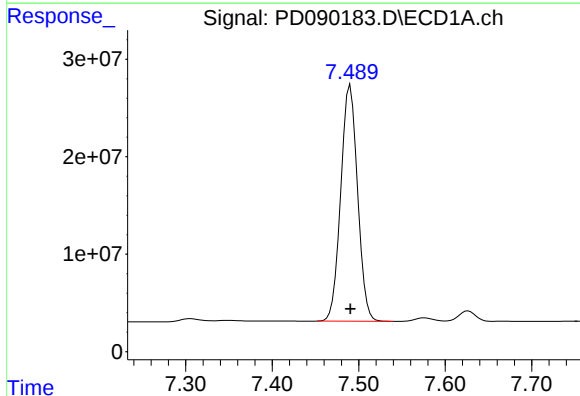
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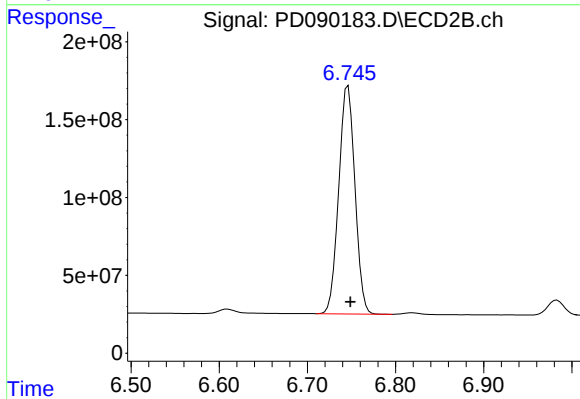
#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: -0.003 min
Response: 35431324
Conc: 2.06 ng/ml



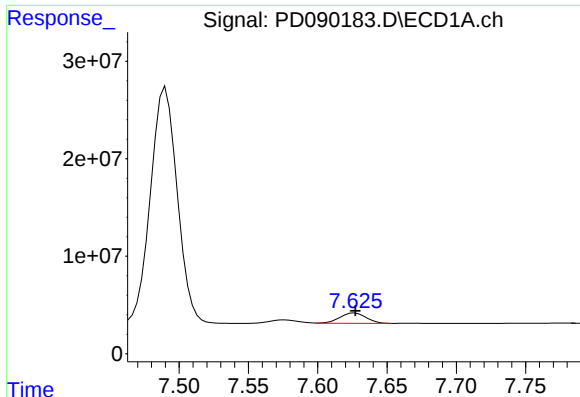
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 325172036
Conc: 162.13 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.003 min
Response: 1871565187
Conc: 145.13 ng/ml



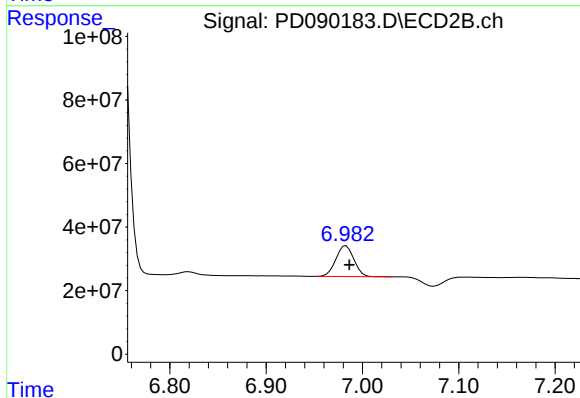
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 14012045
Conc: 3.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

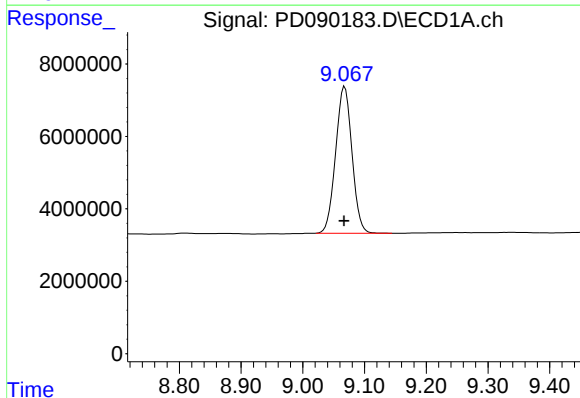
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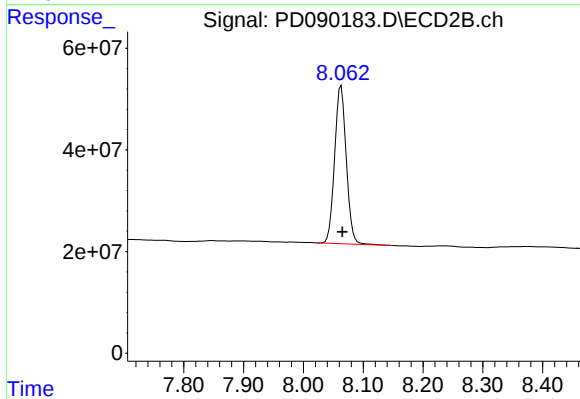
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.003 min
Response: 126509433
Conc: 4.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 74601640
Conc: 17.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.002 min
Response: 420781980
Conc: 16.26 ng/ml