

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091525\
 Data File : PD090270.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Sep 2025 11:01
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/16/2025
 Supervised By :mohammad ahmed 09/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 16 07:07:05 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...	3.545	2.876	50953519	446.9E6	17.362m	20.267
28)	SA Decachlor...	9.063	8.062	81775189	544.7E6	18.947m	21.041
Target Compounds							
2)	A alpha-BHC	3.995	3.388	49879878	376.8E6	8.310	11.103 #
3)	MA gamma-BHC...	4.324	3.724	48573716	343.2E6	8.482m	11.010 #
6)	B beta-BHC	4.513	4.019	20576062	149.2E6	9.173	11.191
12)	B 4,4'-DDE	6.192	5.369	443349	2899335	0.101	0.101
14)	MA Endrin	6.567	5.781	185.3E6	1343.3E6	44.713m	50.438
16)	A 4,4'-DDD	6.700	5.922	3298789	22461540	0.954	0.934
17)	MA 4,4'-DDT	7.014	6.174	331.6E6	2484.8E6	87.045m	99.115
18)	B Endrin al...	6.911	6.248	670063	15165556	0.234	0.881 #
20)	A Methoxychlor	7.488	6.745	409.1E6	2424.5E6	203.993	188.007
21)	B Endrin ke...	7.625	6.982	3080756	23824905	0.743	0.894

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

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Acq On : 15 Sep 2025 11:01
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

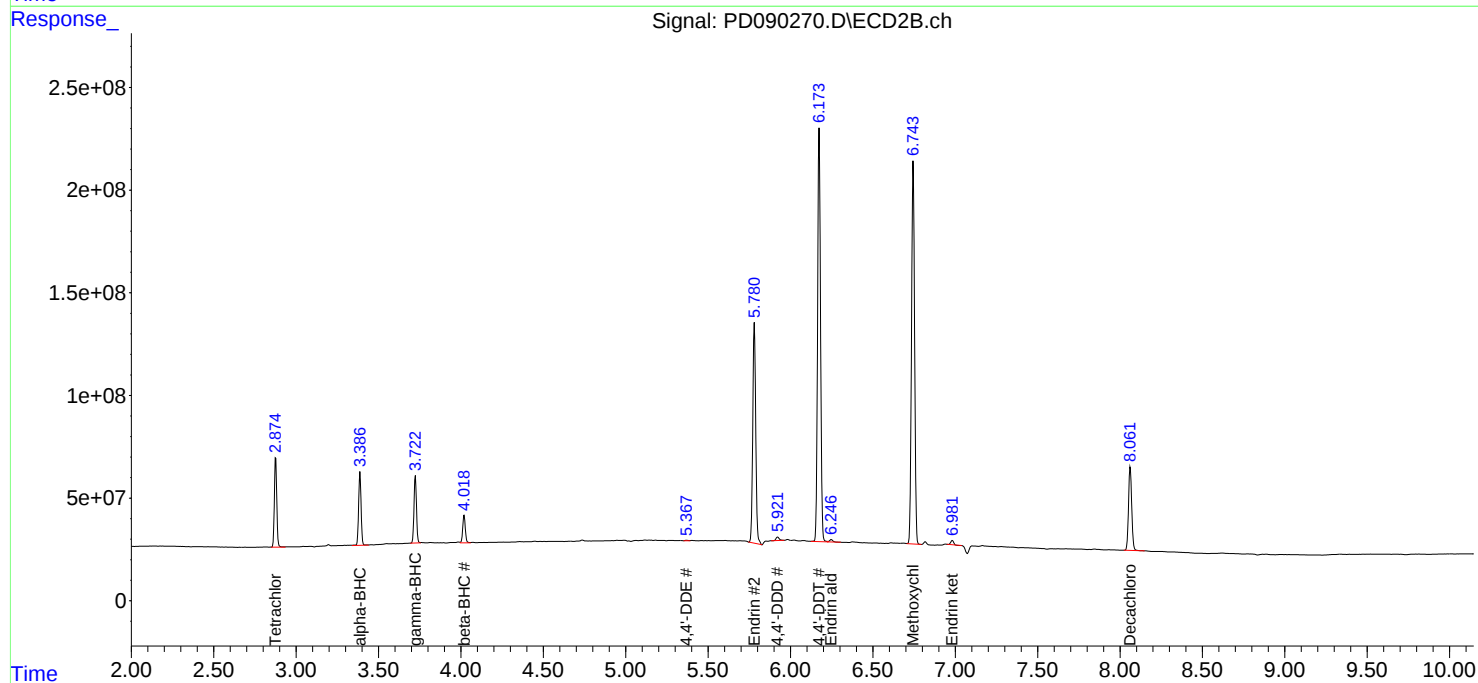
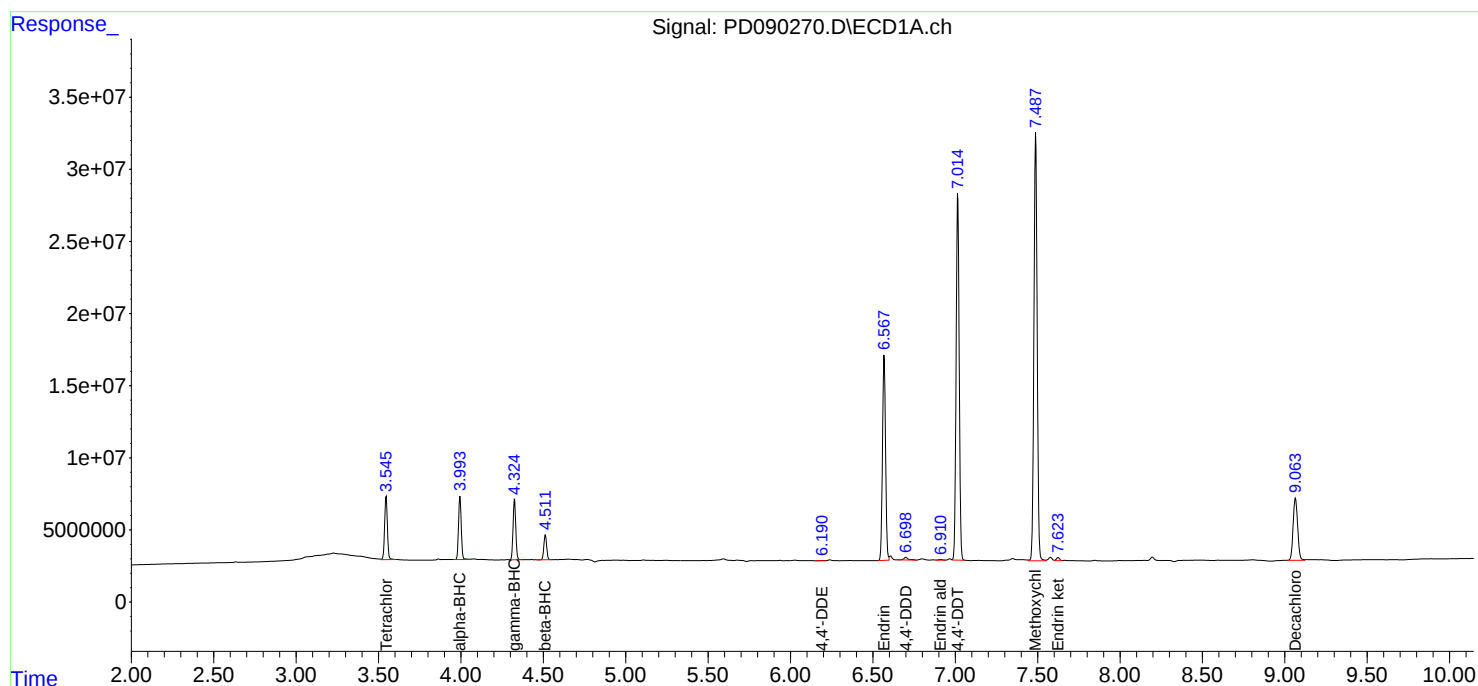
Instrument :
ECD_D
ClientSampleId :
PEM

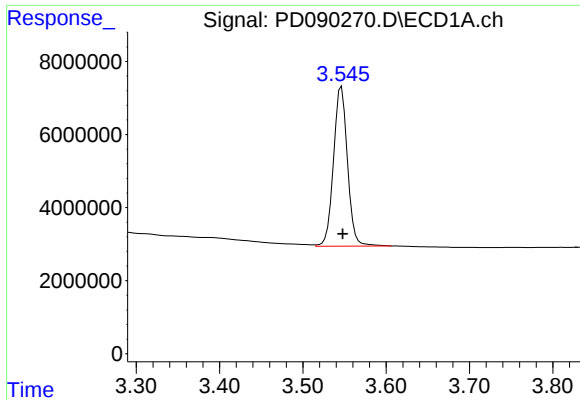
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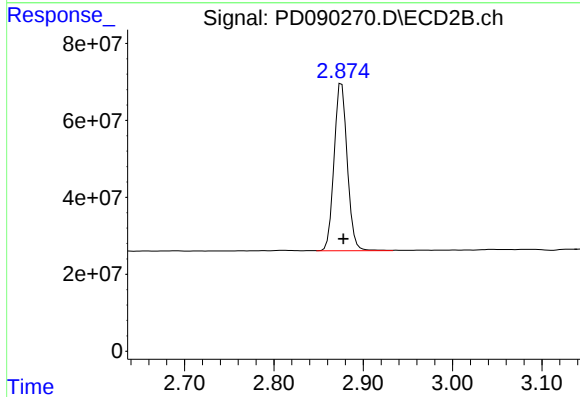
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.003 min
Response: 50953519
Conc: 17.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

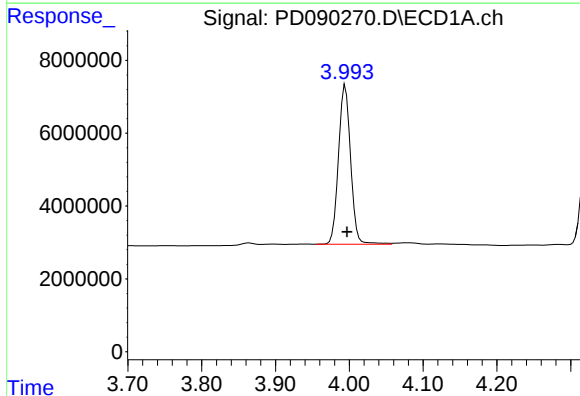
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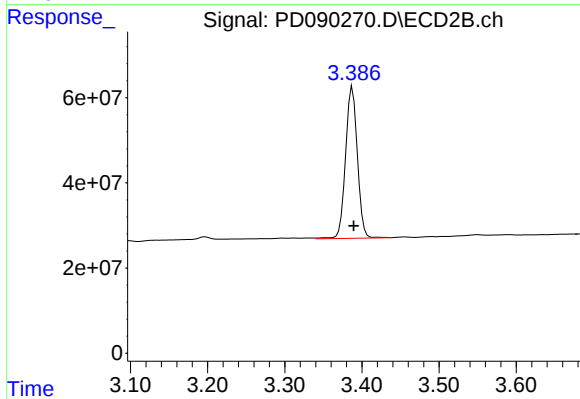
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 446908616
Conc: 20.27 ng/ml



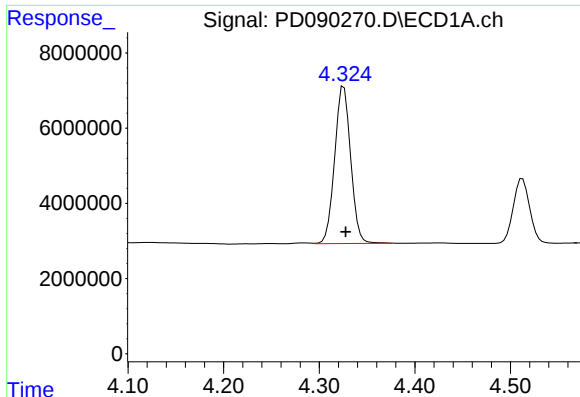
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 49879878
Conc: 8.31 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 376833644
Conc: 11.10 ng/ml



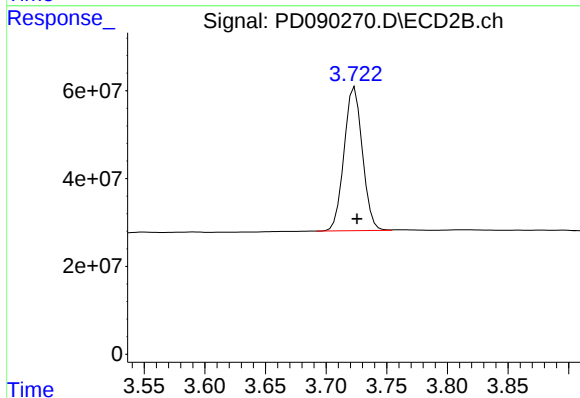
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 48573716
Conc: 8.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

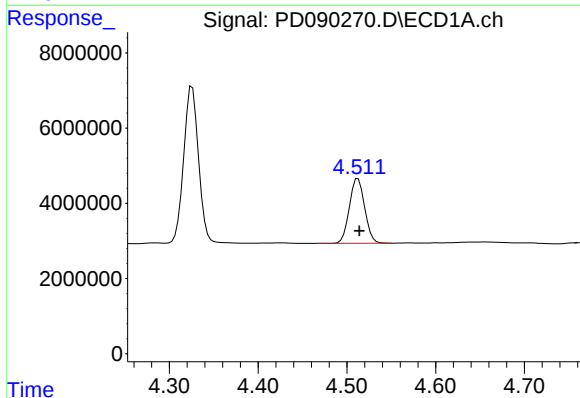
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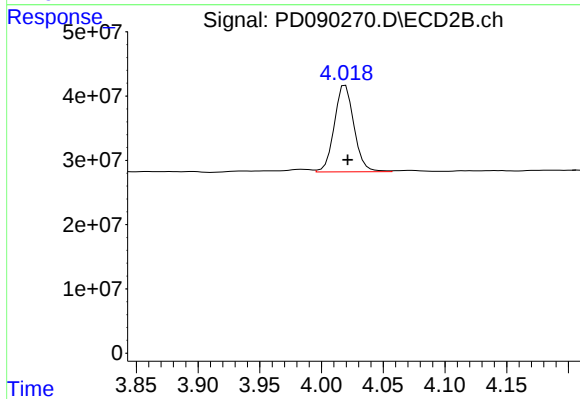
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.002 min
Response: 343201959
Conc: 11.01 ng/ml



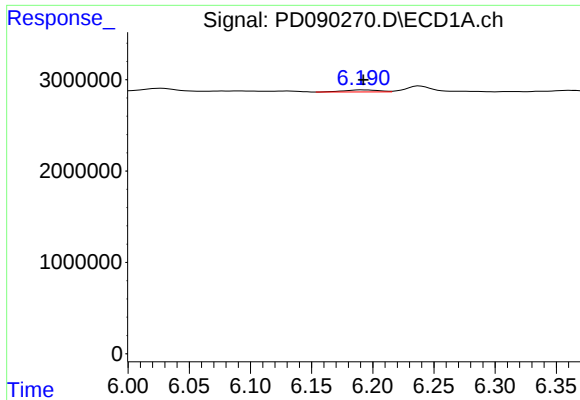
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 20576062
Conc: 9.17 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.002 min
Response: 149174760
Conc: 11.19 ng/ml



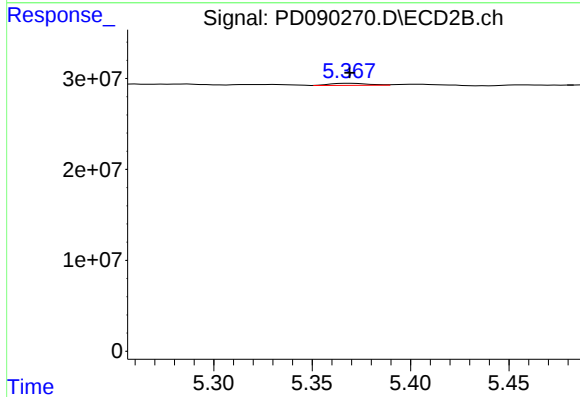
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 443349
Conc: 0.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

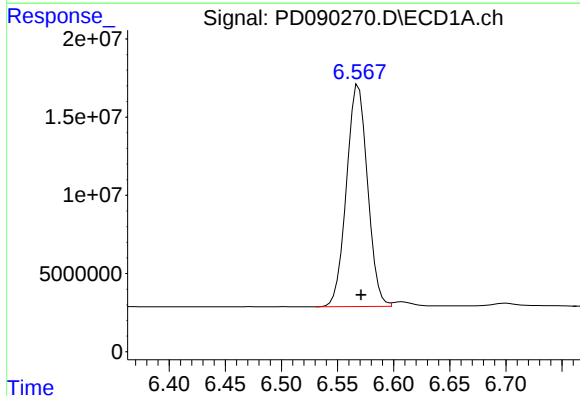
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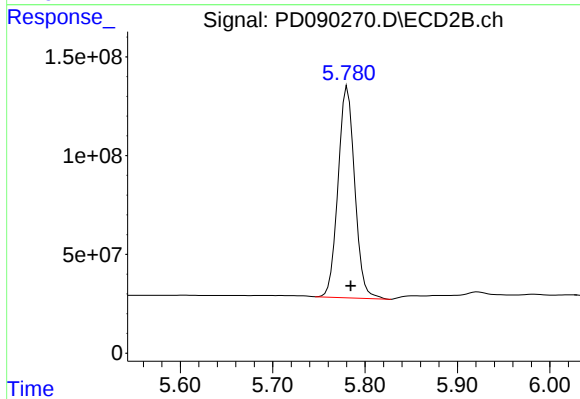
#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 2899335
Conc: 0.10 ng/ml



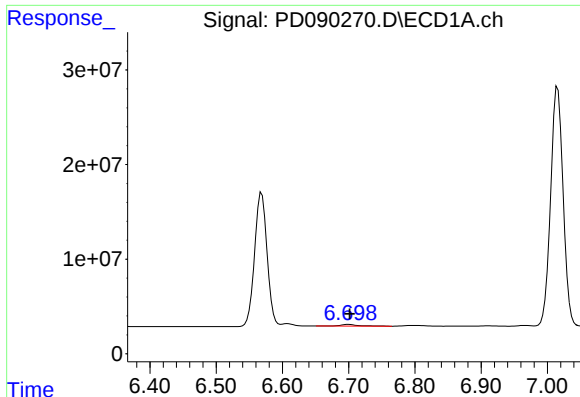
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.004 min
Response: 185271988
Conc: 44.71 ng/ml m



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.003 min
Response: 1343264872
Conc: 50.44 ng/ml



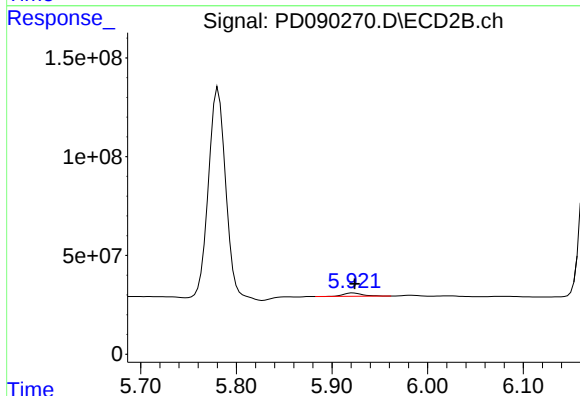
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.002 min
Response: 3298789
Conc: 0.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

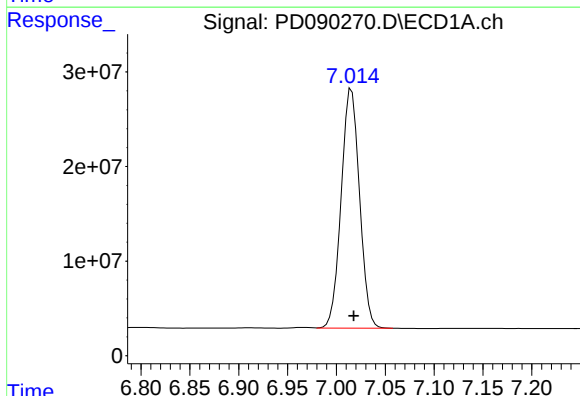
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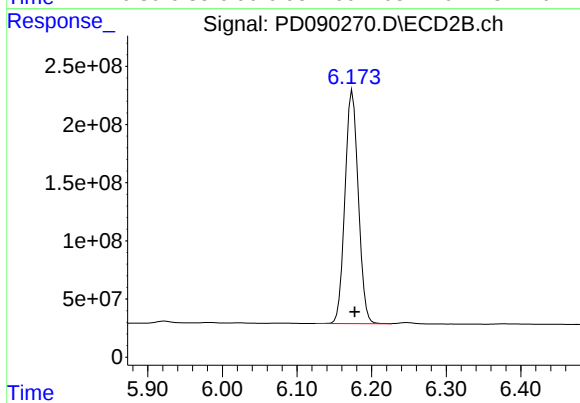
#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.002 min
Response: 22461540
Conc: 0.93 ng/ml



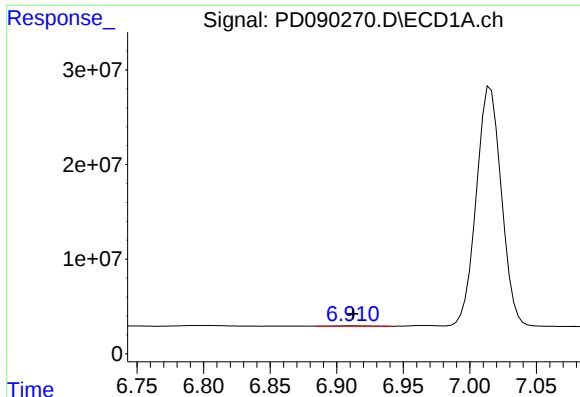
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.004 min
Response: 331616967
Conc: 87.04 ng/ml m



#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.003 min
Response: 2484784287
Conc: 99.11 ng/ml



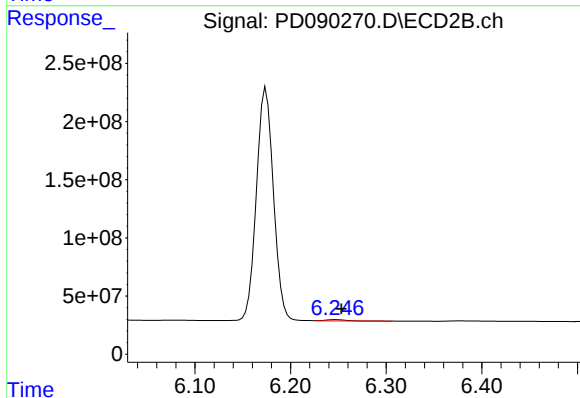
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.000 min
Response: 670063
Conc: 0.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

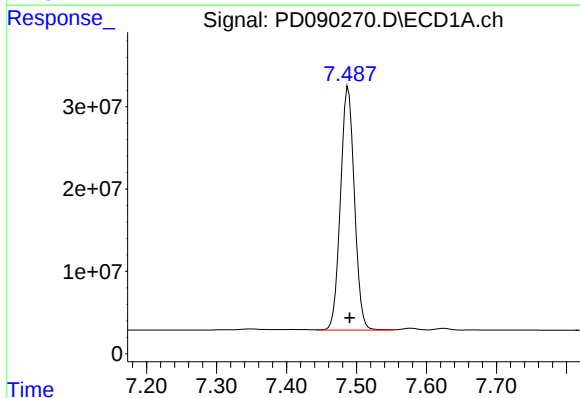
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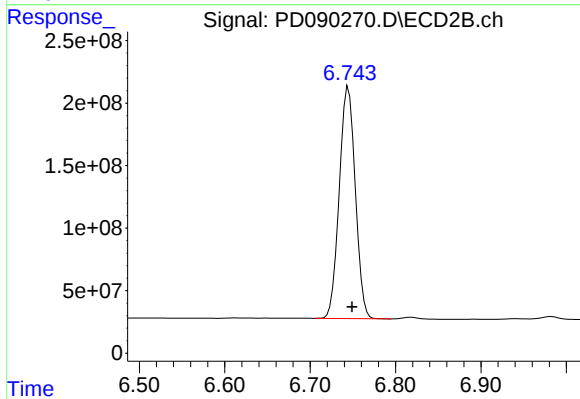
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.006 min
Response: 15165556
Conc: 0.88 ng/ml



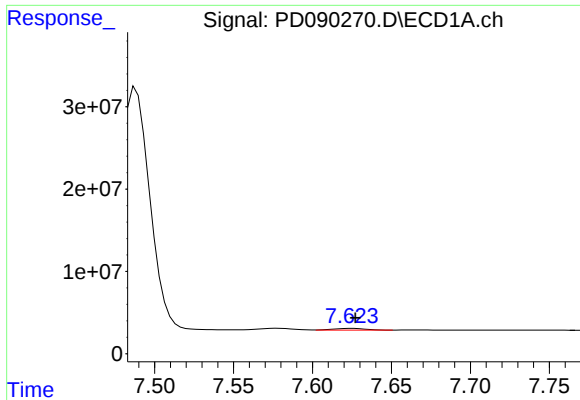
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.002 min
Response: 409131836
Conc: 203.99 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.004 min
Response: 2424499743
Conc: 188.01 ng/ml



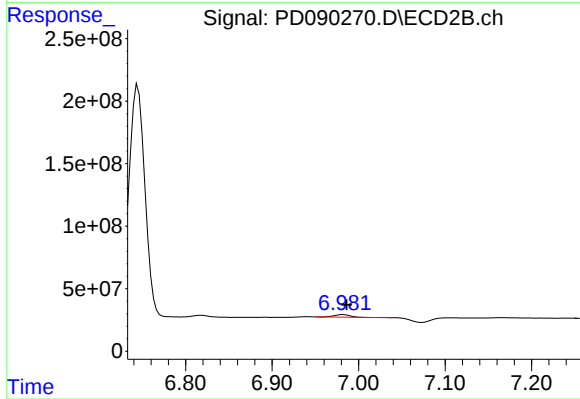
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.003 min
Response: 3080756
Conc: 0.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

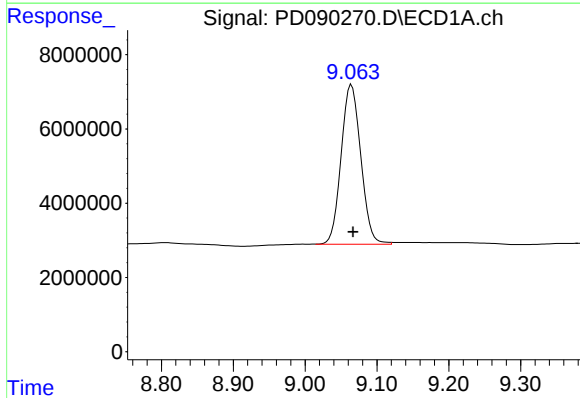
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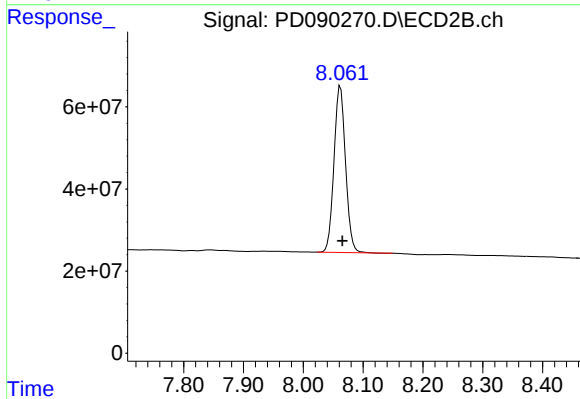
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.004 min
Response: 23824905
Conc: 0.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.004 min
Response: 81775189
Conc: 18.95 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.003 min
Response: 544660688
Conc: 21.04 ng/ml