

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090621.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 20:11
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/16/2025
 Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 09:46:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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	52645354	458.4E6	16.196	16.698
28)	SA Decachlor...	9.066	8.062	73407712	432.3E6	15.214	13.336
Target Compounds							
2)	A alpha-BHC	3.994	3.387	48905142	379.4E6	7.002	8.664
3)	MA gamma-BHC...	4.325	3.723	48166277	352.2E6	7.279	8.646
6)	B beta-BHC	4.512	4.019	20514015	148.4E6	7.951	8.563
12)	B 4,4'-DDE	6.190	5.366	644821	7170824	0.124	0.187m#
14)	MA Endrin	6.568	5.781	182.2E6	1429.7E6	37.226	39.900
16)	A 4,4'-DDD	6.698	5.922	6439739	59970372	1.572m	1.849
17)	MA 4,4'-DDT	7.016	6.174	281.9E6	2237.7E6	63.307	65.089
18)	B Endrin al...	6.912	6.248	1175848	14090037	0.343m	0.598 #
20)	A Methoxychlor	7.489	6.745	338.3E6	2378.1E6	143.556	136.667
21)	B Endrin ke...	7.626	6.982	3169433	24296988	0.641	0.673

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

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Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

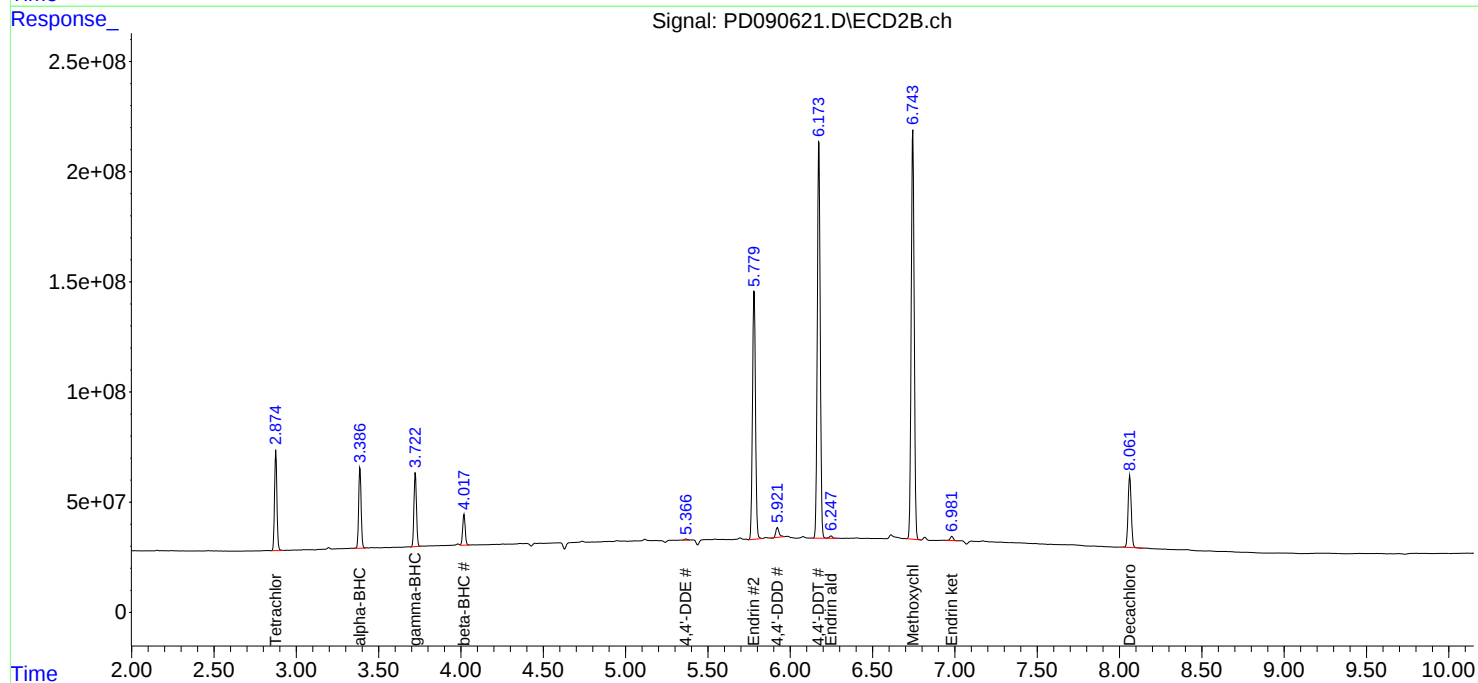
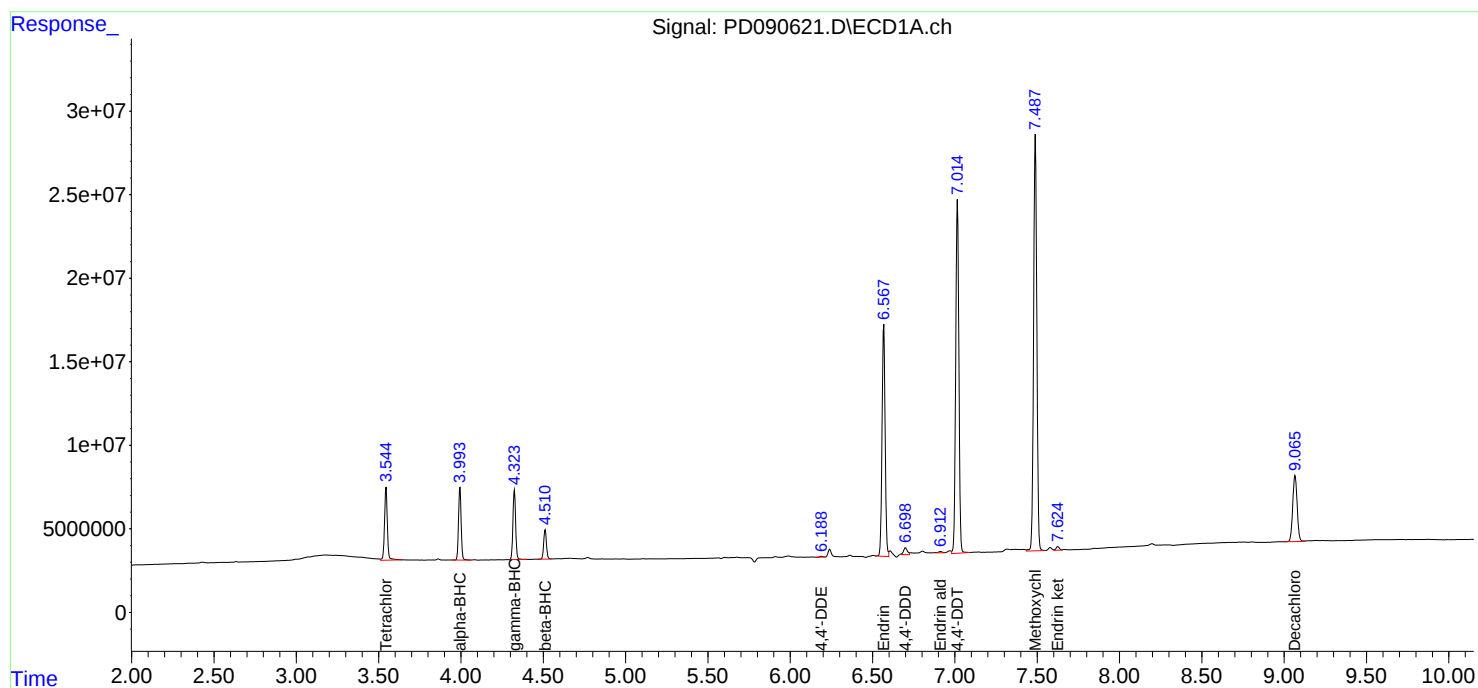
Instrument :
ECD_D
ClientSampleId :
PEM

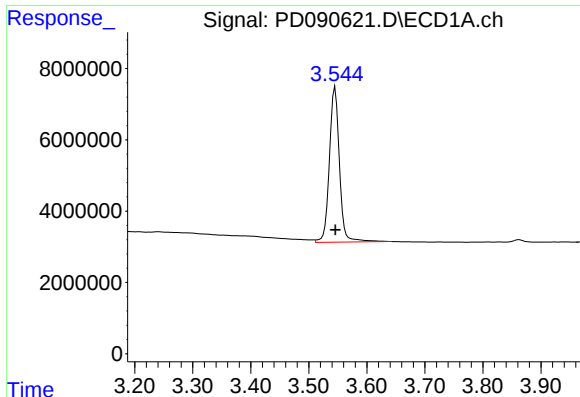
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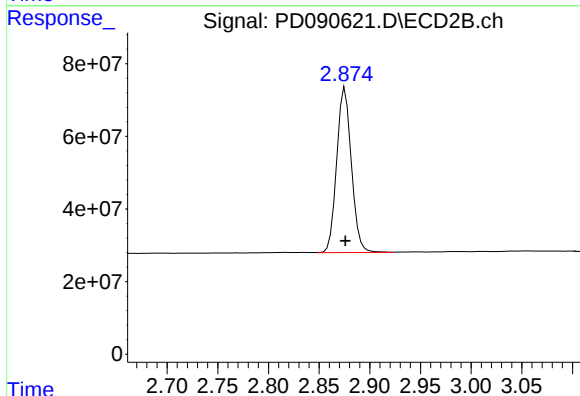
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 52645354
Conc: 16.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

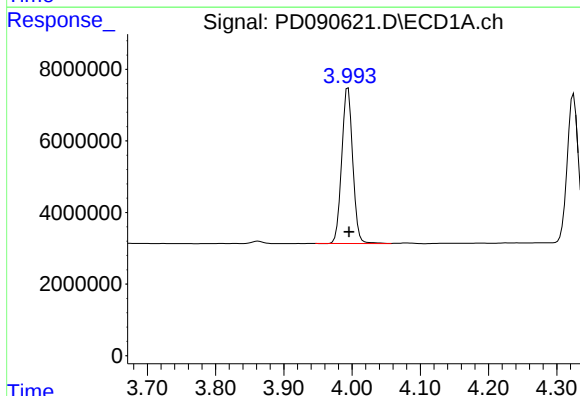
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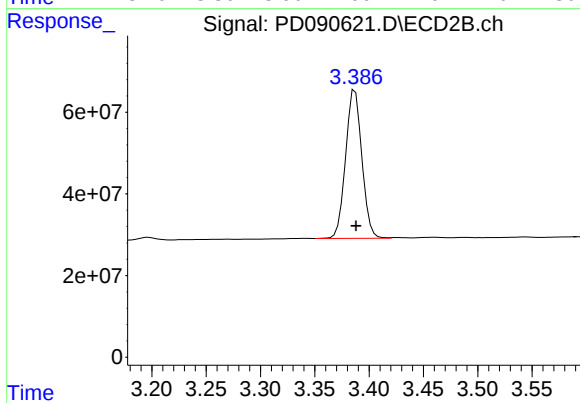
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 458352250
Conc: 16.70 ng/ml



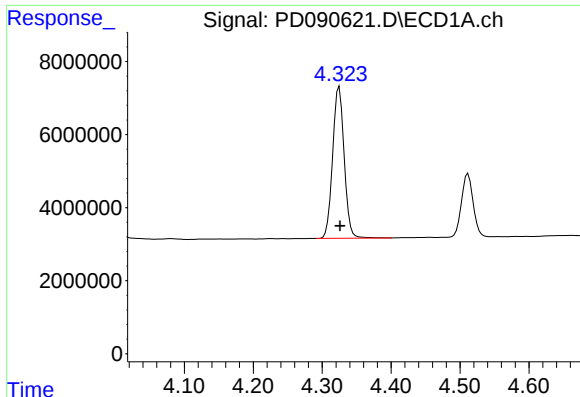
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 48905142
Conc: 7.00 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 379356962
Conc: 8.66 ng/ml



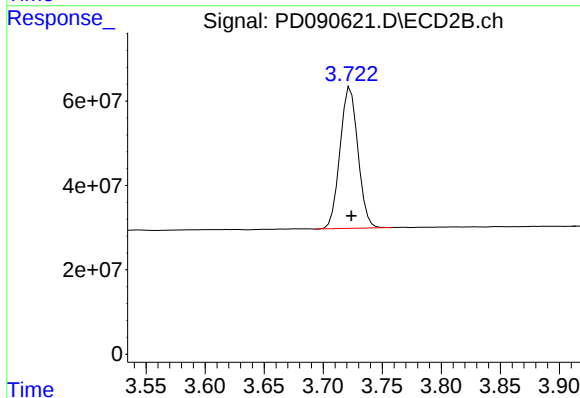
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.001 min
Response: 48166277
Conc: 7.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

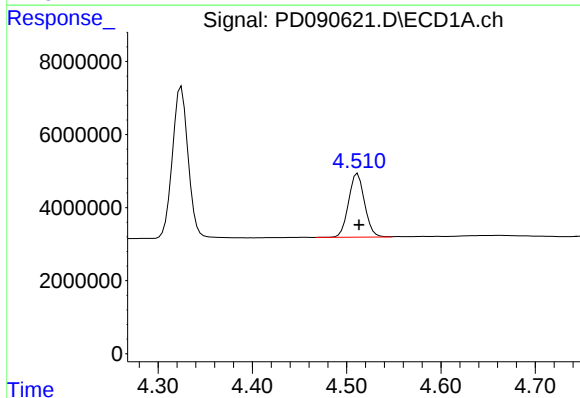
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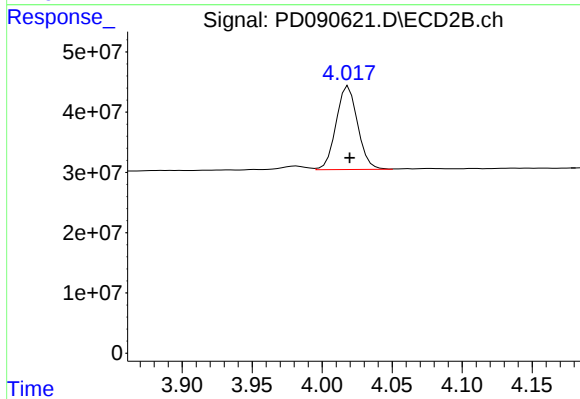
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 352204113
Conc: 8.65 ng/ml



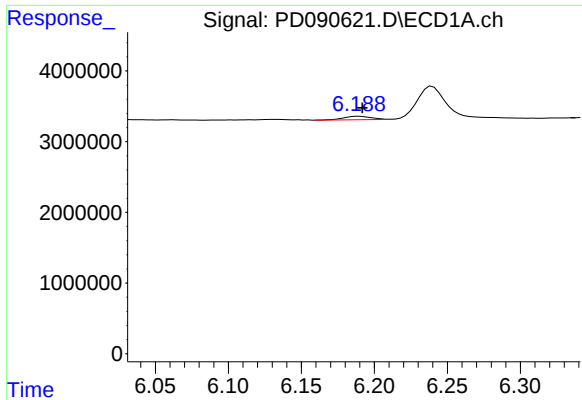
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.002 min
Response: 20514015
Conc: 7.95 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 148439857
Conc: 8.56 ng/ml



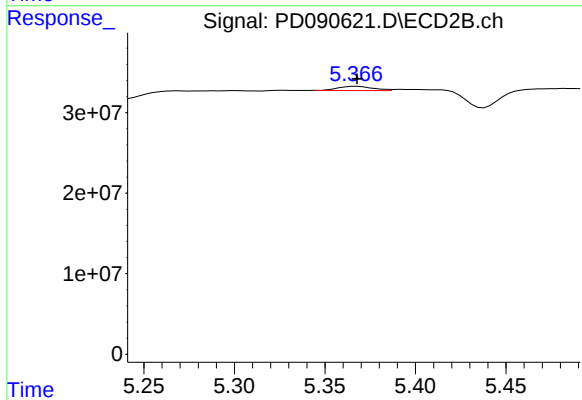
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 644821
Conc: 0.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

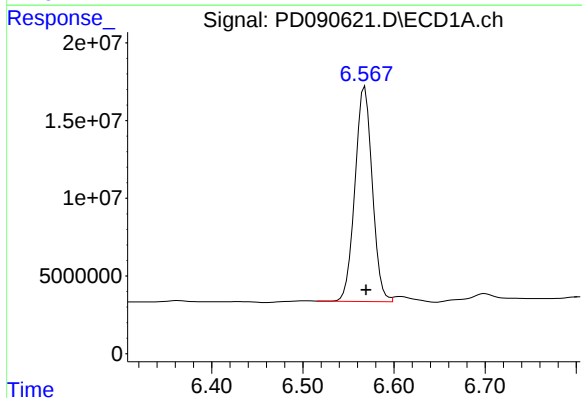
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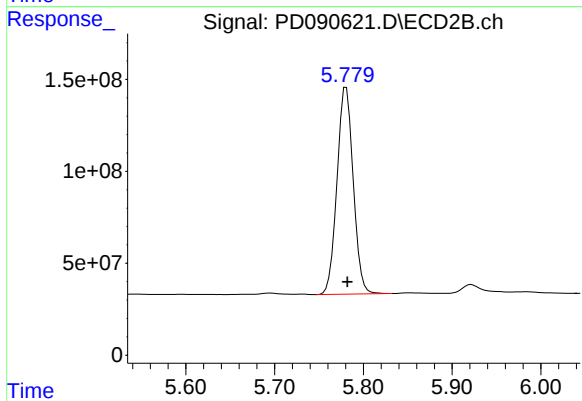
#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 7170824
Conc: 0.19 ng/ml m



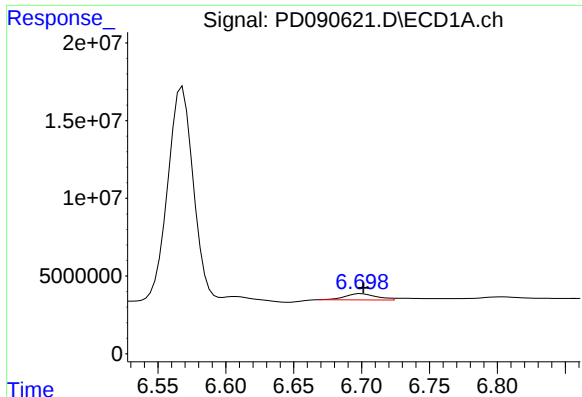
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.001 min
Response: 182179735
Conc: 37.23 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1429714894
Conc: 39.90 ng/ml



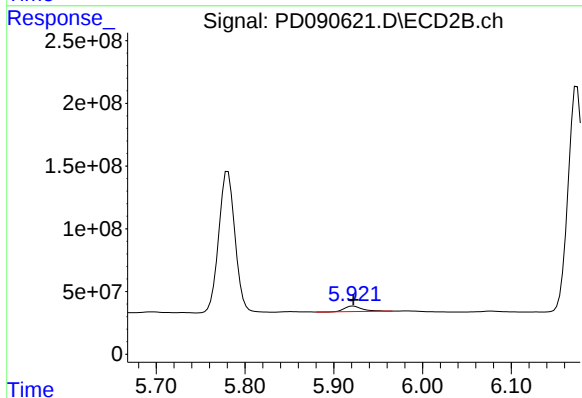
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.003 min
Response: 6439739
Conc: 1.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

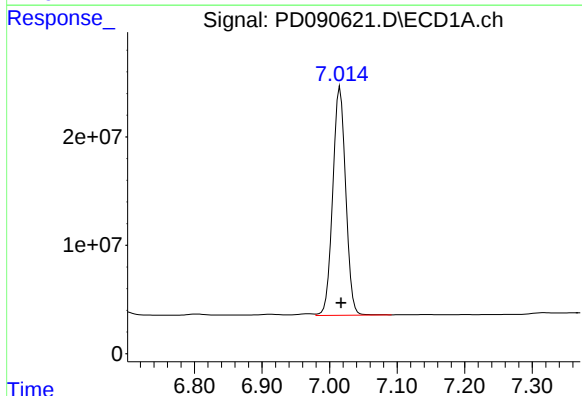
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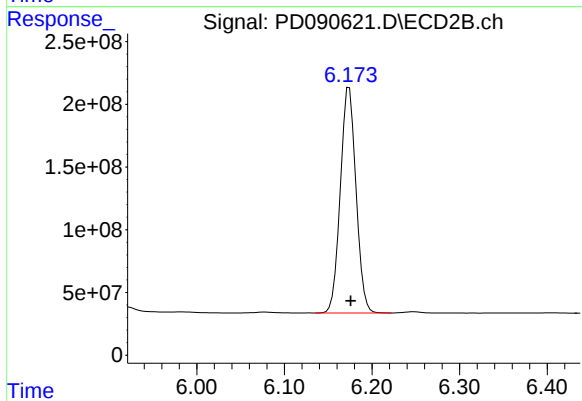
#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 59970372
Conc: 1.85 ng/ml



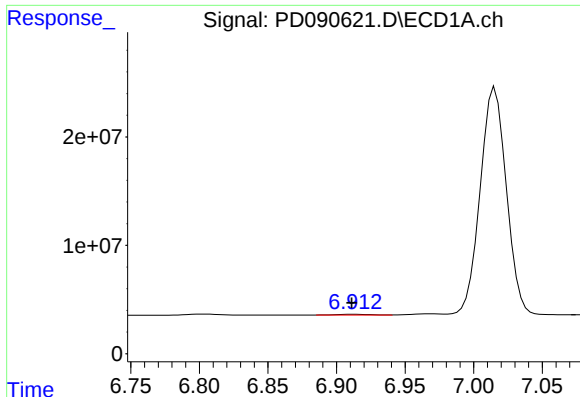
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.001 min
Response: 281872132
Conc: 63.31 ng/ml



#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 2237703981
Conc: 65.09 ng/ml



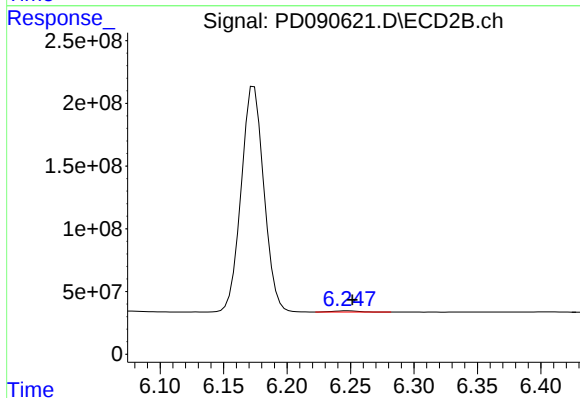
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 1175848
Conc: 0.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

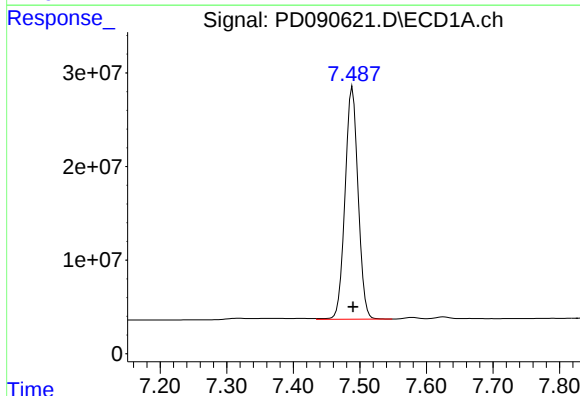
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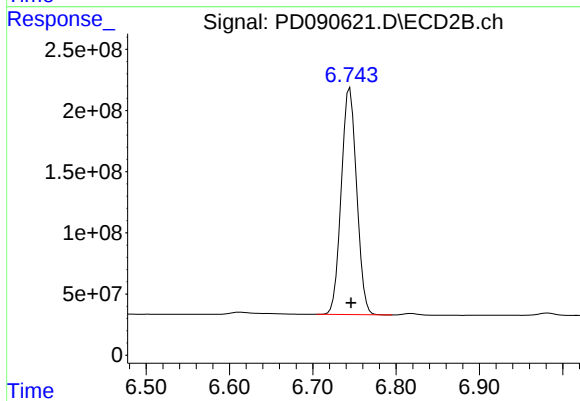
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 14090037
Conc: 0.60 ng/ml



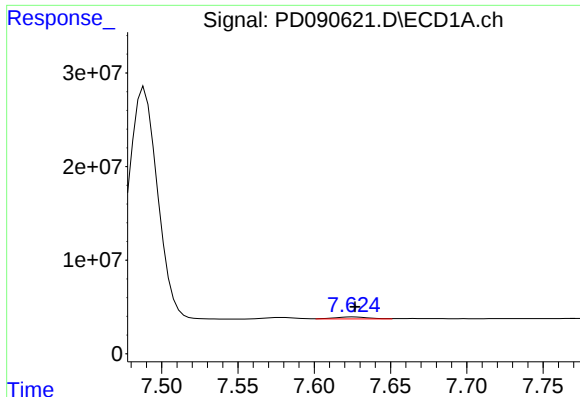
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 338291479
Conc: 143.56 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 2378059724
Conc: 136.67 ng/ml



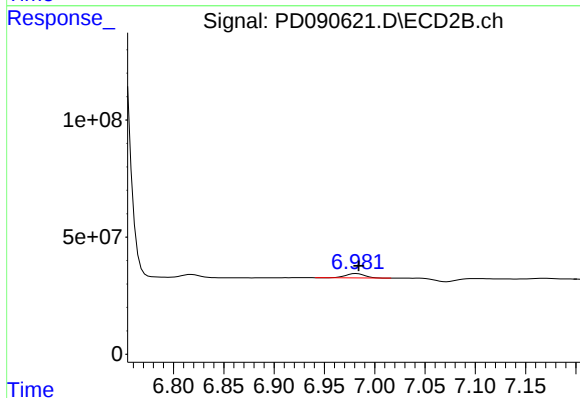
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 3169433
Conc: 0.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

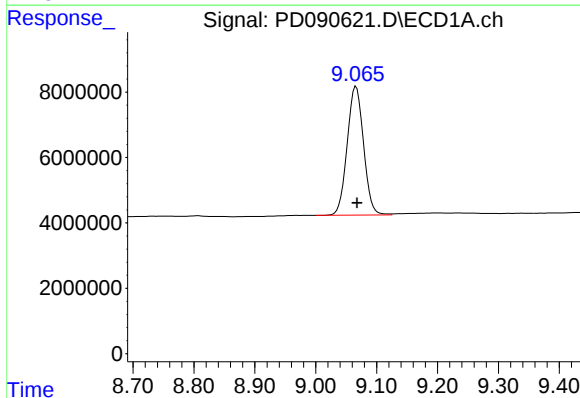
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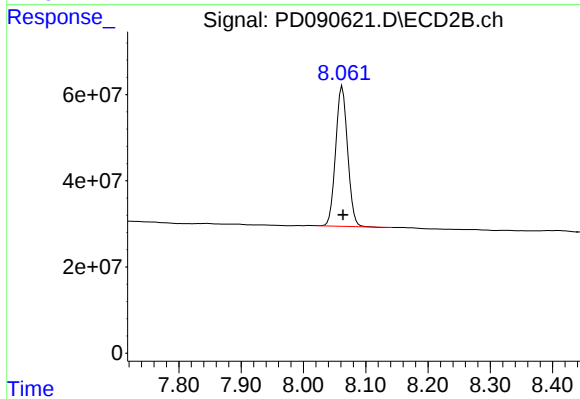
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 24296988
Conc: 0.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 73407712
Conc: 15.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.001 min
Response: 432292398
Conc: 13.34 ng/ml