

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090809.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 10:10
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:34:17 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	66932917	639.1E6	21.493	21.463
28)	SA Decachlor...	9.064	8.059	104.5E6	751.5E6	22.332	24.808
Target Compounds							
2)	A alpha-BHC	3.993	3.385	64700224	535.7E6	9.015	10.484
3)	MA gamma-BHC...	4.324	3.721	63699560	503.0E6	9.369	10.646
6)	B beta-BHC	4.511	4.017	27170709	209.1E6	10.372	10.546
12)	B 4,4'-DDE	6.187	5.365	688780	6388394	0.129m	0.146m
14)	MA Endrin	6.567	5.778	238.1E6	1993.8E6	48.074	49.238
16)	A 4,4'-DDD	6.697	5.917	21564173	201.8E6	5.319m	5.539m
17)	MA 4,4'-DDT	7.014	6.172	395.3E6	3373.6E6	96.174	96.188
18)	B Endrin al...	6.908	6.246	2930967	33720803	0.800m	1.218 #
20)	A Methoxychlor	7.487	6.742	479.9E6	3504.5E6	225.781	201.084
21)	B Endrin ke...	7.624	6.980	13090022	111.9E6	2.694	2.966

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

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Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

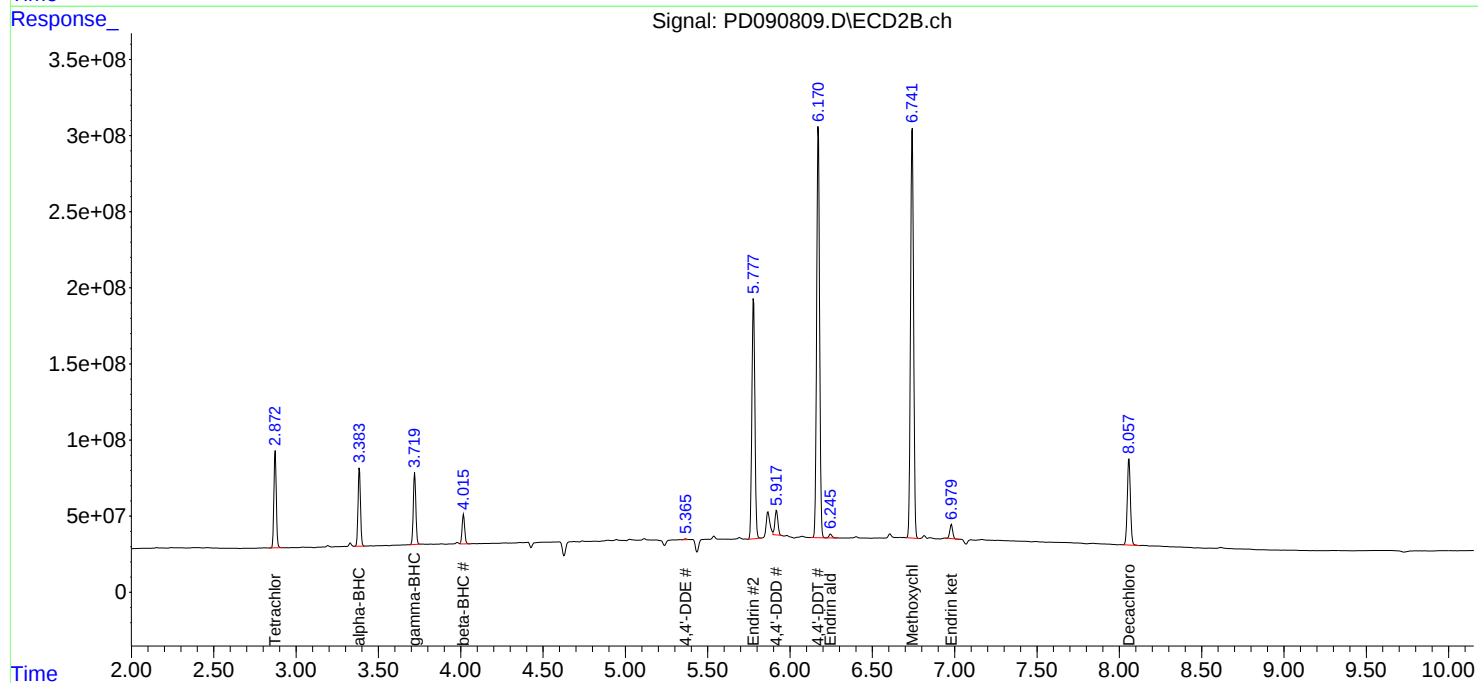
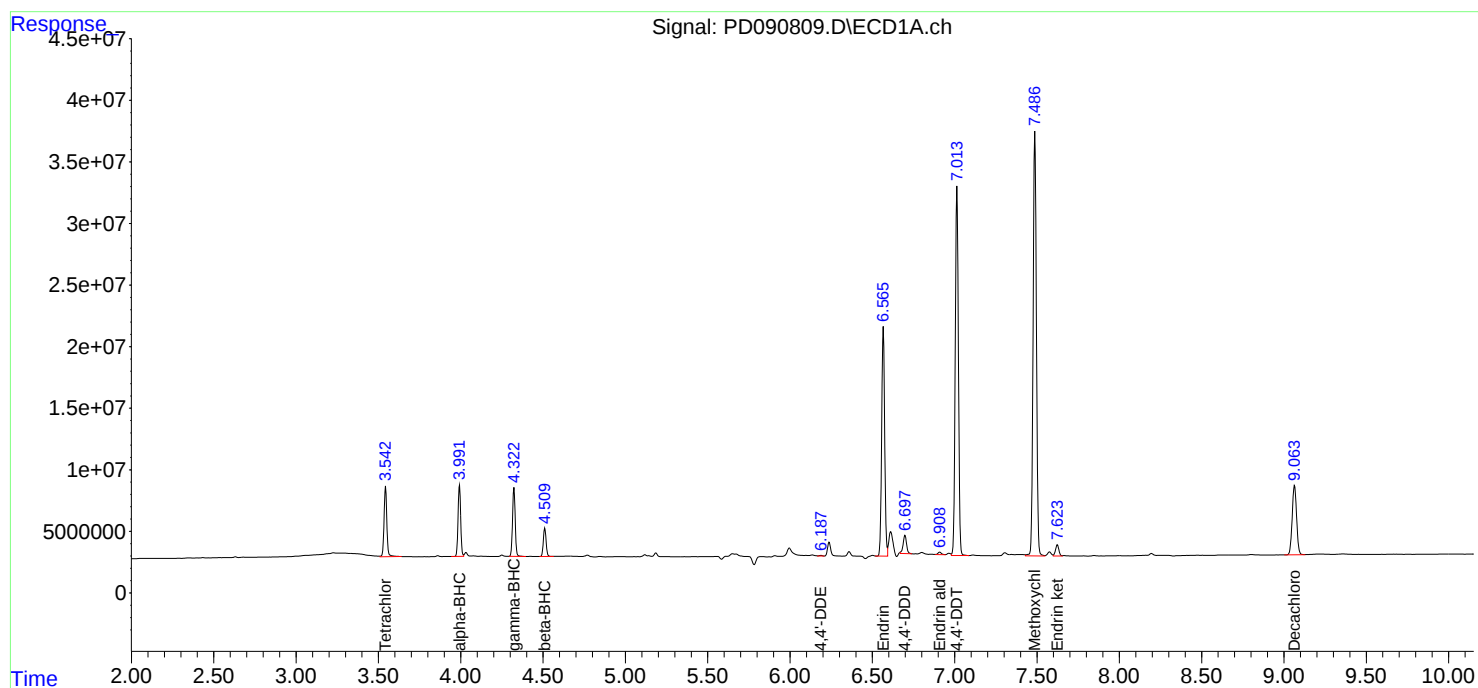
Instrument :
ECD_D
ClientSampleId :
PEM

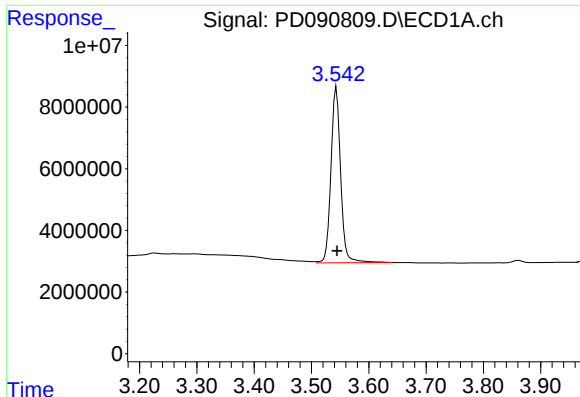
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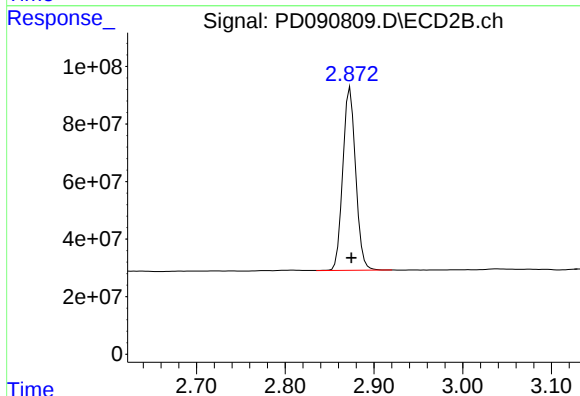
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 66932917
Conc: 21.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

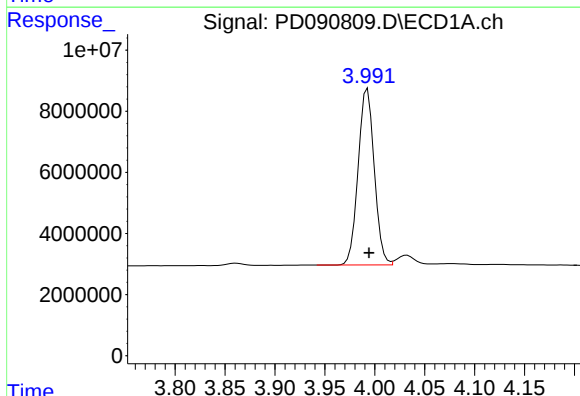
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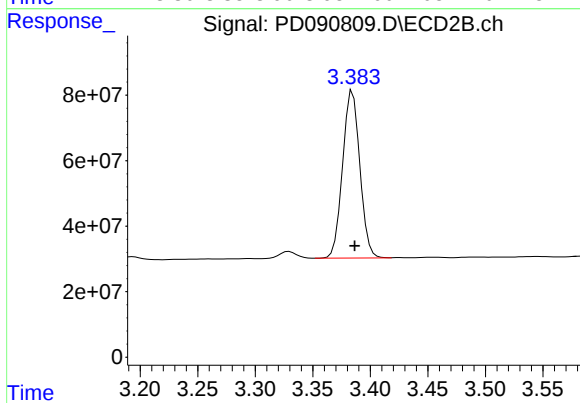
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 639095065
Conc: 21.46 ng/ml



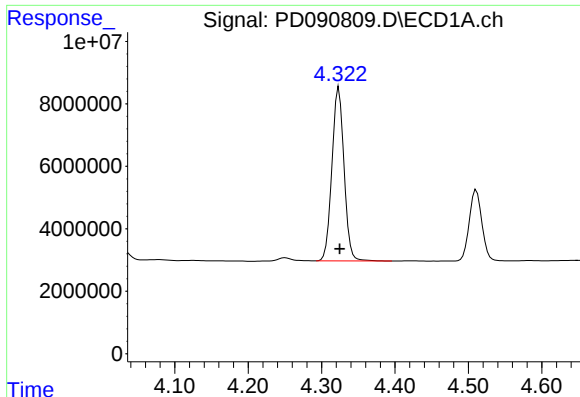
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 64700224
Conc: 9.01 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 535675263
Conc: 10.48 ng/ml



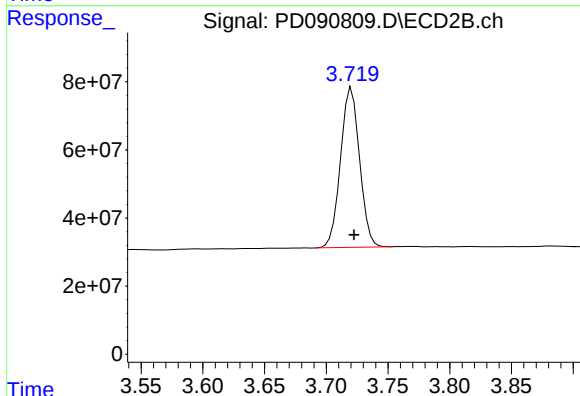
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.001 min
Response: 63699560
Conc: 9.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

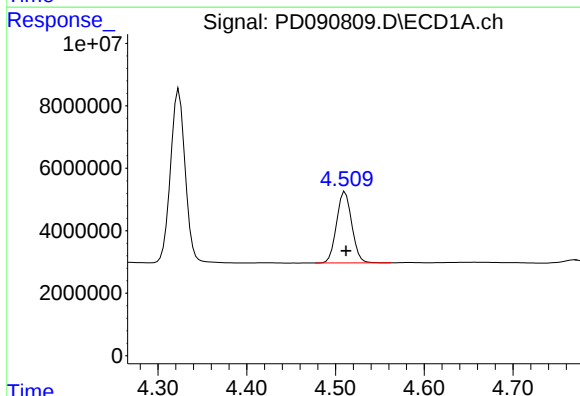
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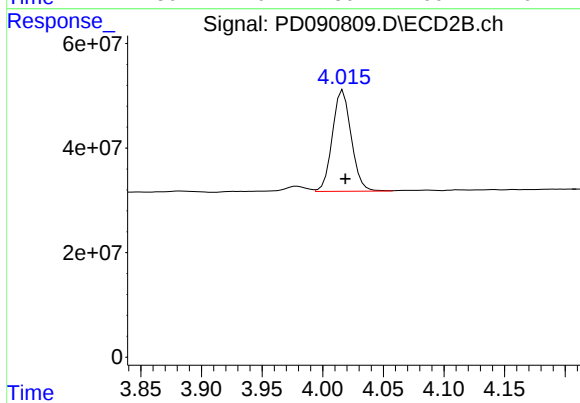
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 503028923
Conc: 10.65 ng/ml



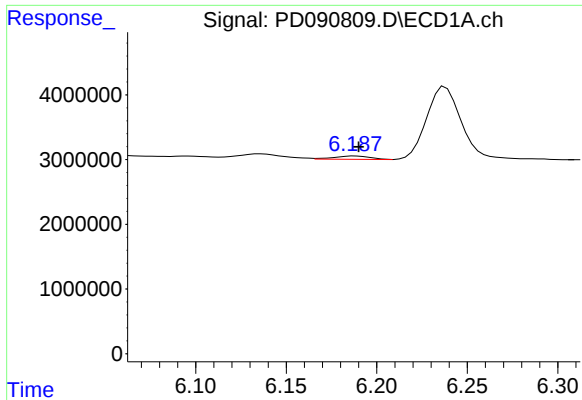
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 27170709
Conc: 10.37 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 209125983
Conc: 10.55 ng/ml



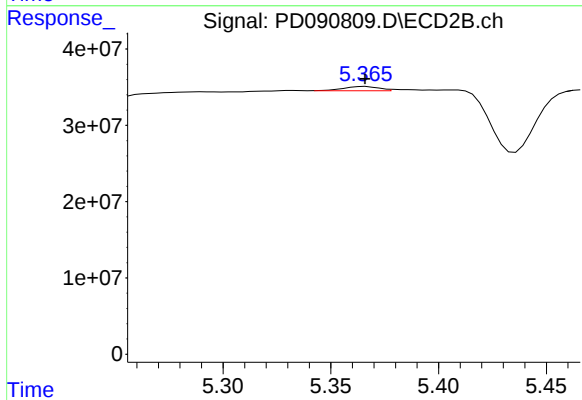
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.003 min
Response: 688780
Conc: 0.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

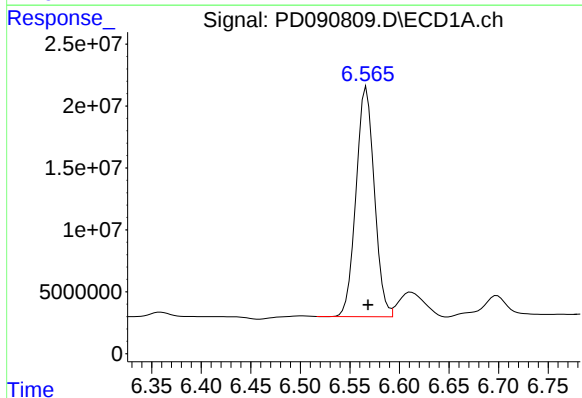
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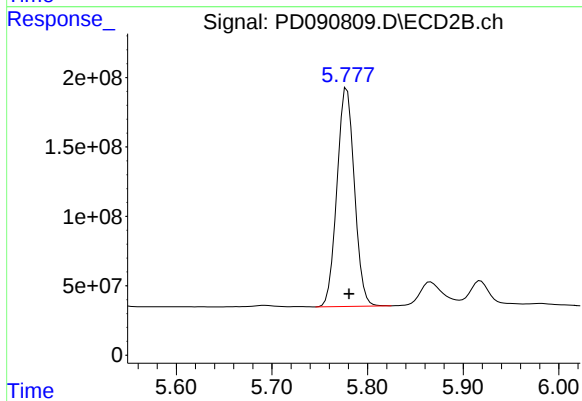
#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: 0.000 min
Response: 6388394
Conc: 0.15 ng/ml m



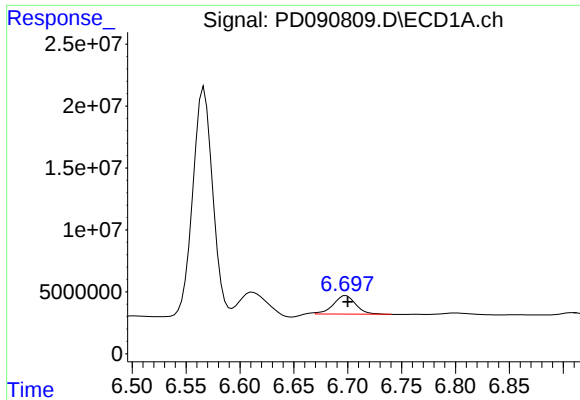
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.002 min
Response: 238145829
Conc: 48.07 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.002 min
Response: 1993830831
Conc: 49.24 ng/ml



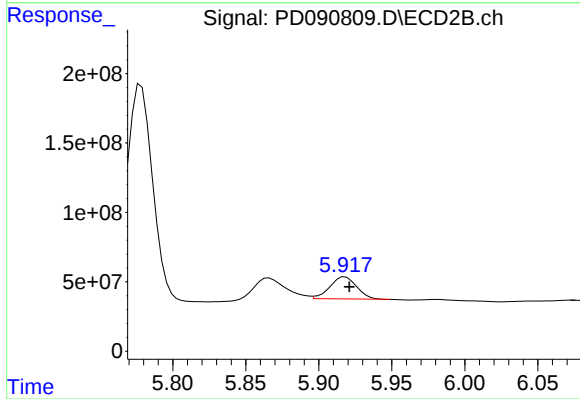
#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: -0.003 min
Response: 21564173
Conc: 5.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

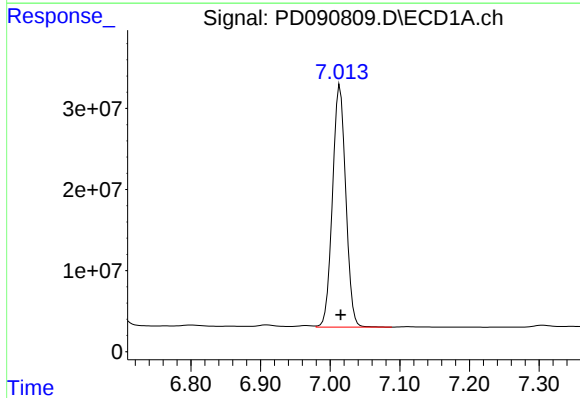
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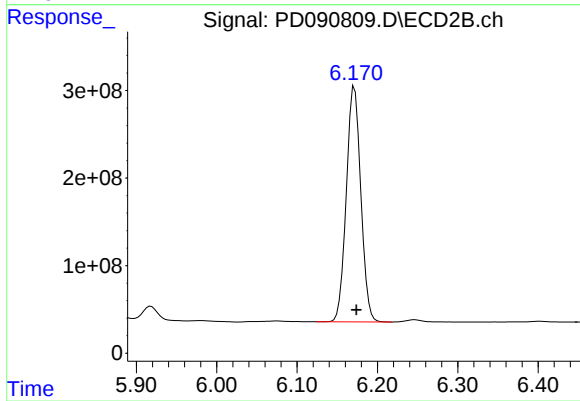
#16 4,4'-DDD

R.T.: 5.917 min
Delta R.T.: -0.004 min
Response: 201821255
Conc: 5.54 ng/ml m



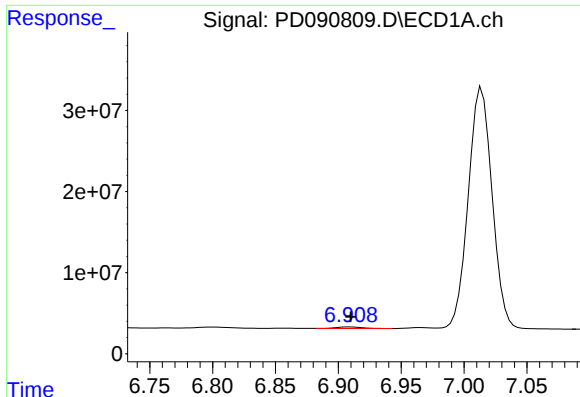
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.001 min
Response: 395319384
Conc: 96.17 ng/ml



#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 3373614500
Conc: 96.19 ng/ml



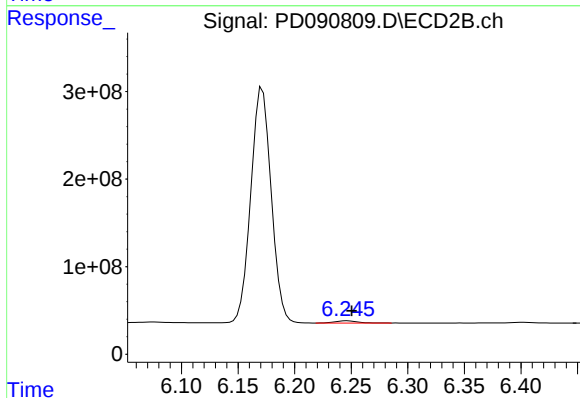
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.002 min
Response: 2930967
Conc: 0.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

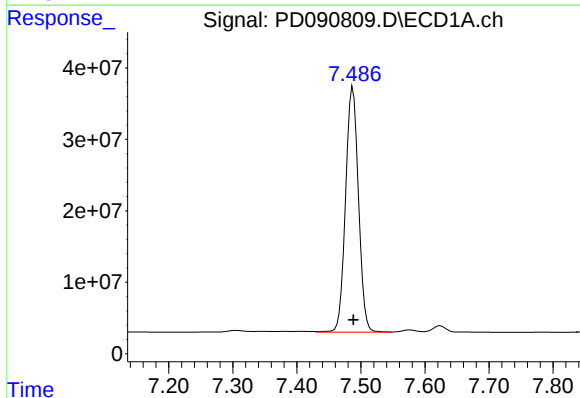
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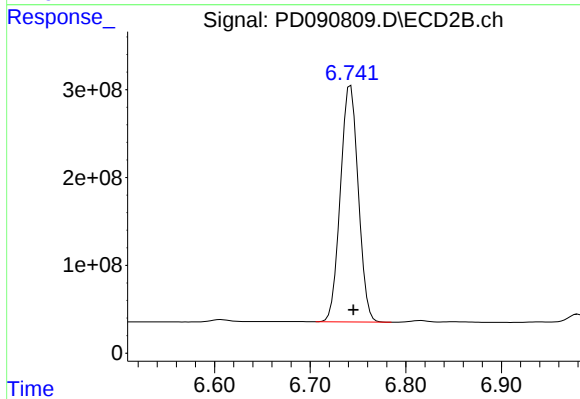
#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 33720803
Conc: 1.22 ng/ml



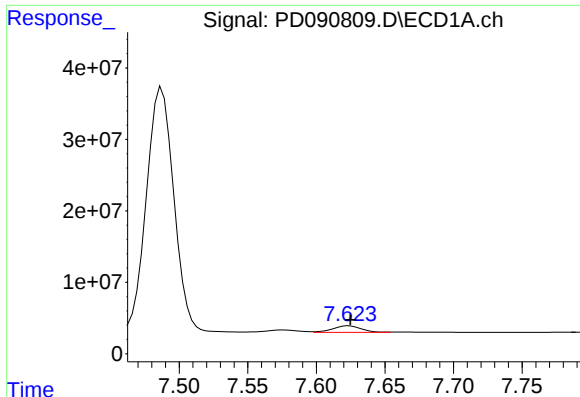
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: 0.000 min
Response: 479916190
Conc: 225.78 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 3504460103
Conc: 201.08 ng/ml



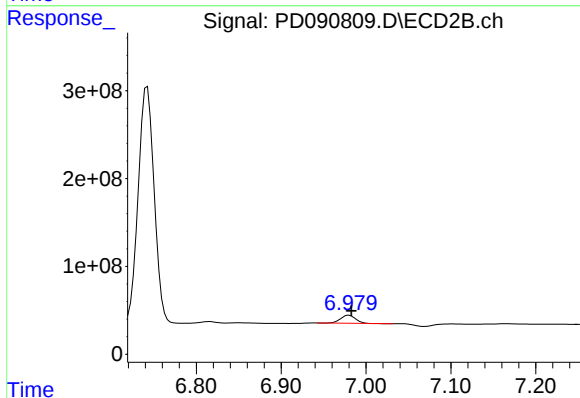
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 13090022
Conc: 2.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

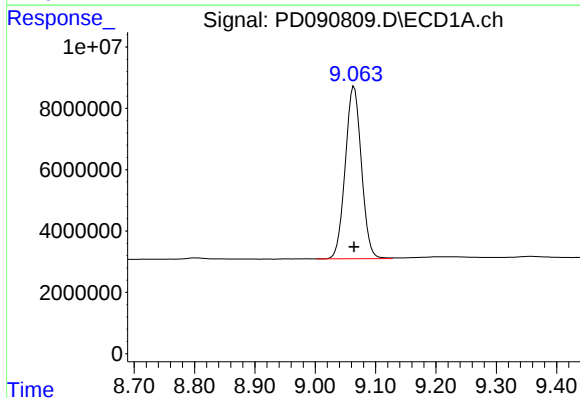
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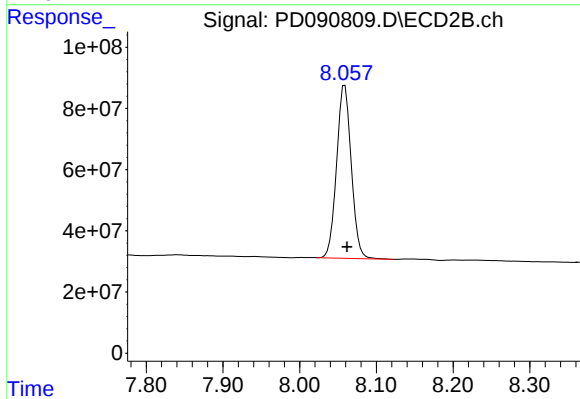
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 111884157
Conc: 2.97 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 104467736
Conc: 22.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 751458751
Conc: 24.81 ng/ml