

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102325\
 Data File : PD090776.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Oct 2025 09:38
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 06:12:05 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	64542344	639.1E6	20.725	21.461
28)	SA Decachlor...	9.066	8.060	99943602	762.6E6	21.365	25.175
Target Compounds							
2)	A alpha-BHC	3.993	3.385	61919576	537.6E6	8.627	10.521
3)	MA gamma-BHC...	4.324	3.721	61129232	508.8E6	8.991	10.769
6)	B beta-BHC	4.512	4.018	26171904	209.2E6	9.991	10.552
14)	MA Endrin	6.568	5.779	240.0E6	2052.9E6	48.447	50.696
16)	A 4,4'-DDD	6.699	5.919	15925895	138.4E6	3.928m	3.799
17)	MA 4,4'-DDT	7.016	6.172	404.0E6	3574.6E6	98.296	101.920
18)	B Endrin al...	6.911	6.247	7655029	28132388	2.090	1.016 #
20)	A Methoxychlor	7.489	6.743	489.2E6	3699.2E6	230.151	212.256
21)	B Endrin ke...	7.626	6.981	9080276	74975964	1.869	1.988

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

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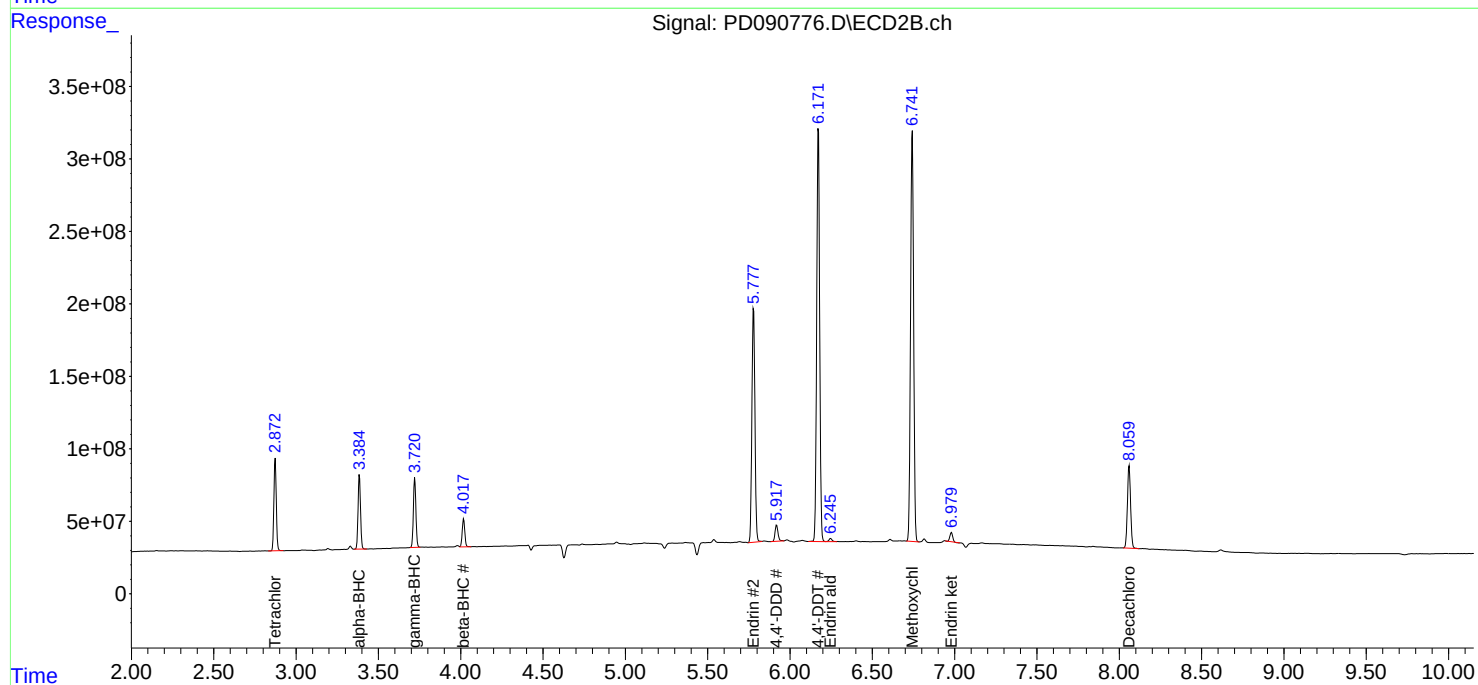
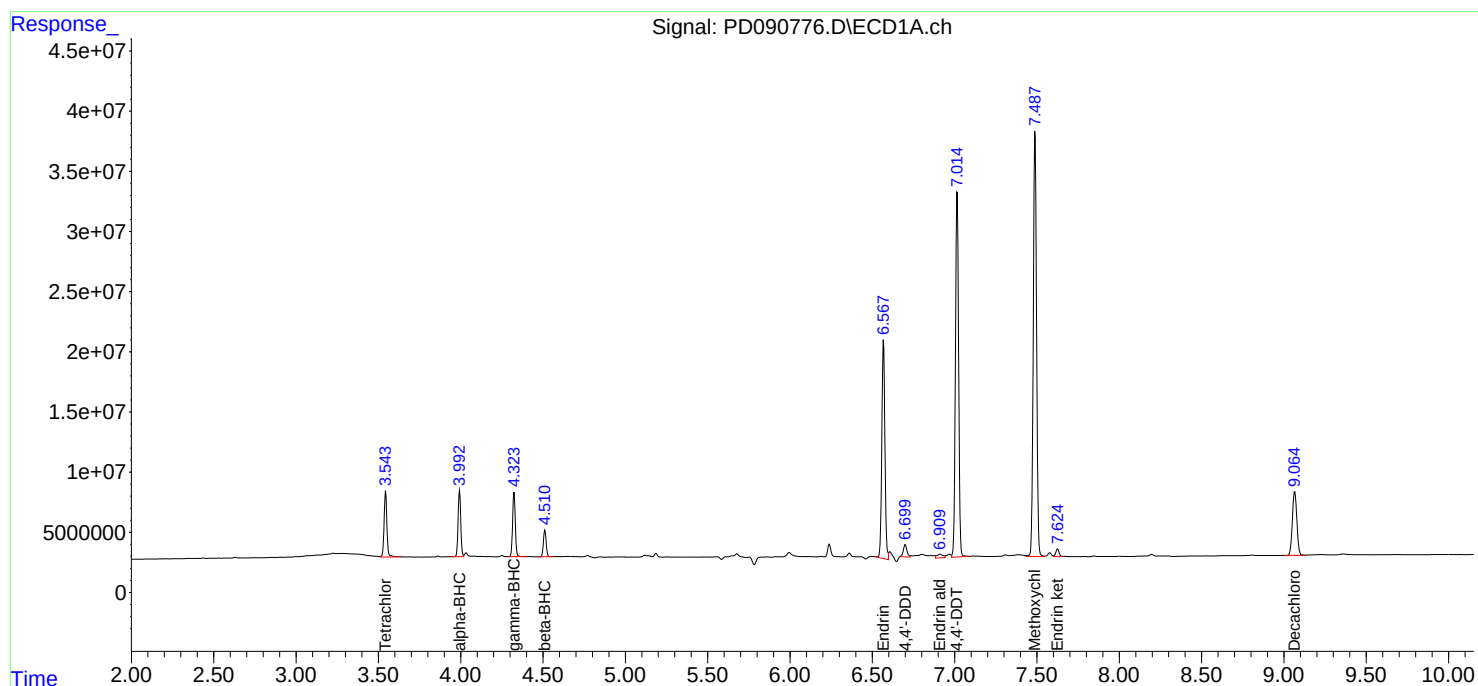
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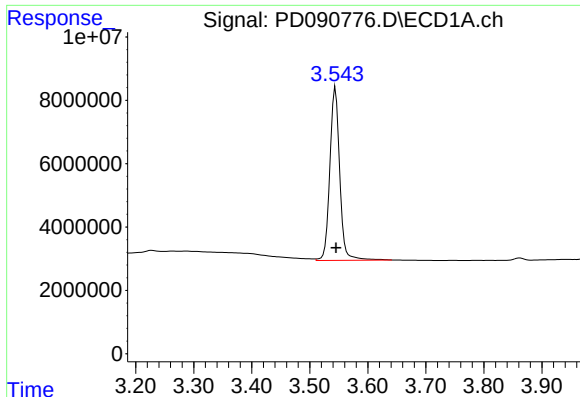
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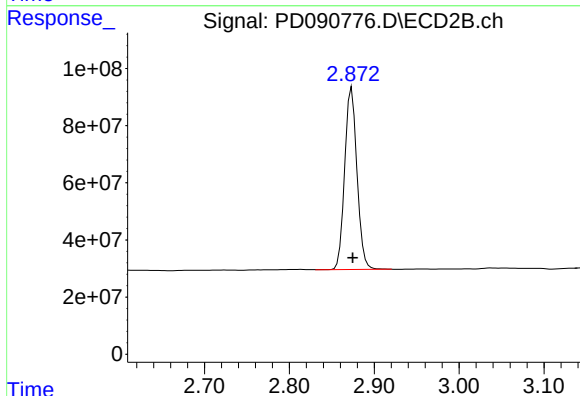
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 64542344
Conc: 20.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

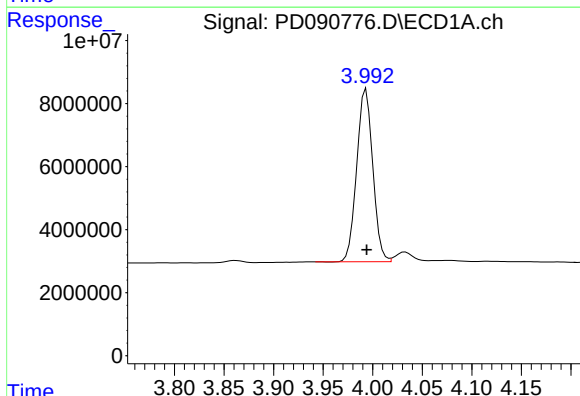
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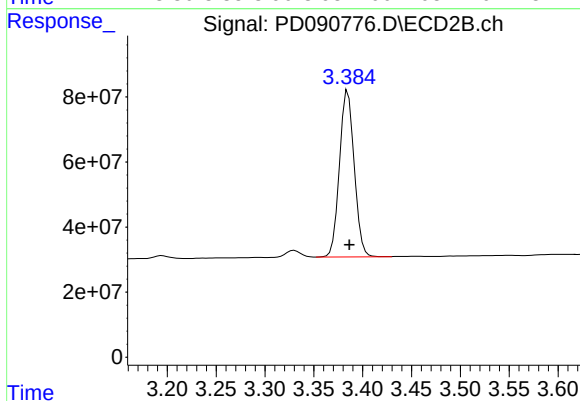
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 639061581
Conc: 21.46 ng/ml



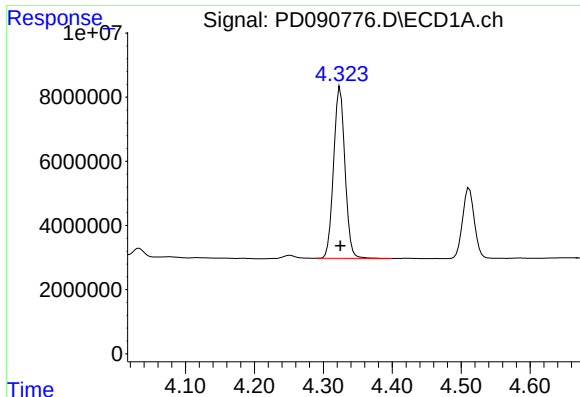
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 61919576
Conc: 8.63 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 537576271
Conc: 10.52 ng/ml



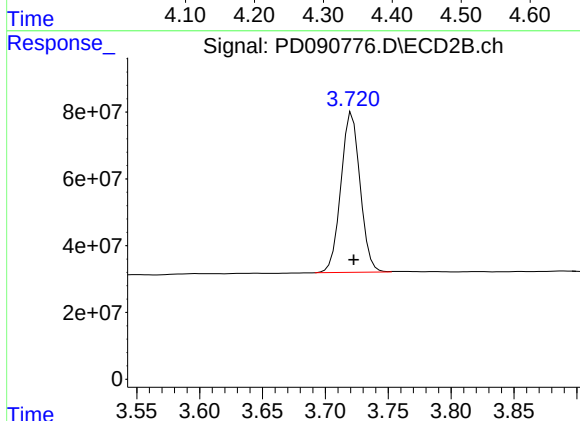
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 61129232
Conc: 8.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

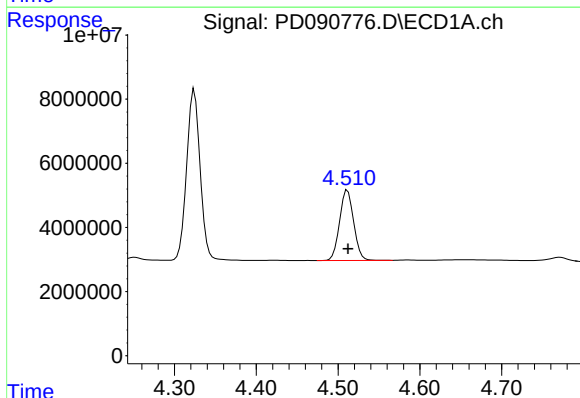
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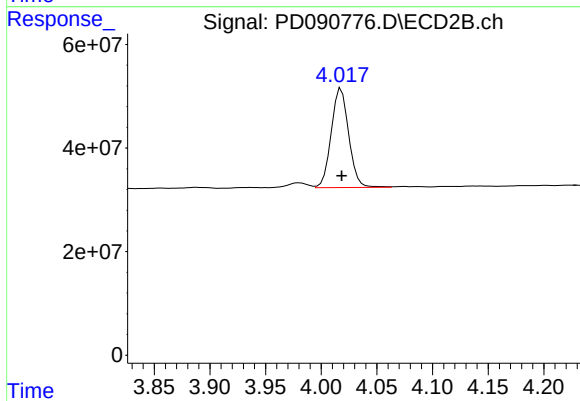
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 508804323
Conc: 10.77 ng/ml



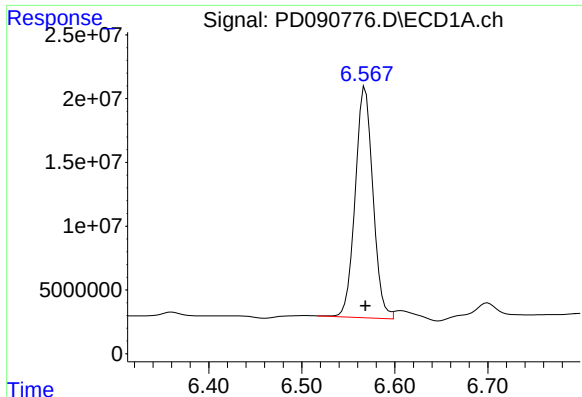
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 26171904
Conc: 9.99 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 209240049
Conc: 10.55 ng/ml



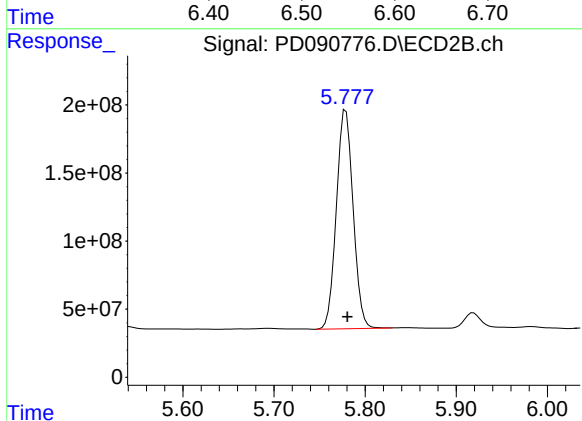
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 239991902
Conc: 48.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

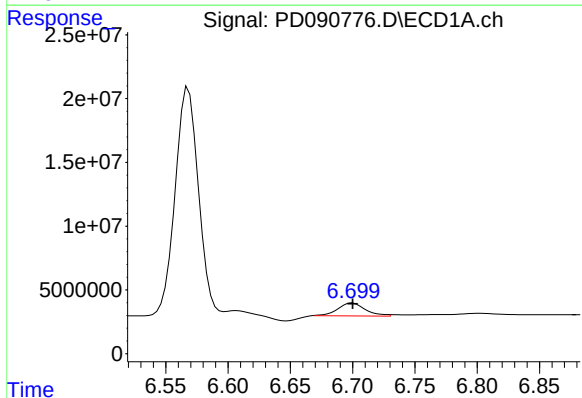
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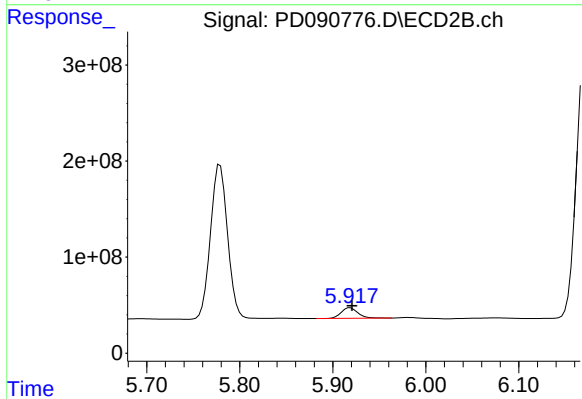
#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 2052870622
Conc: 50.70 ng/ml



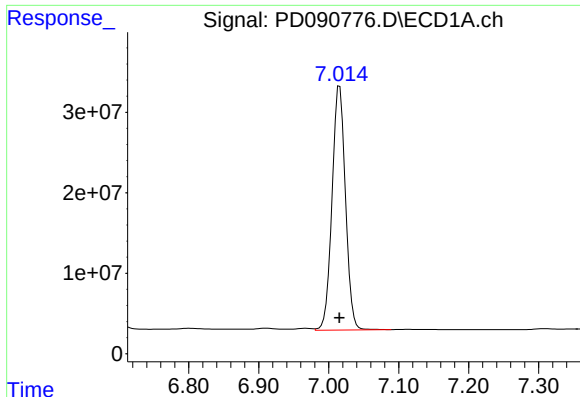
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 15925895
Conc: 3.93 ng/ml m



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 138414214
Conc: 3.80 ng/ml



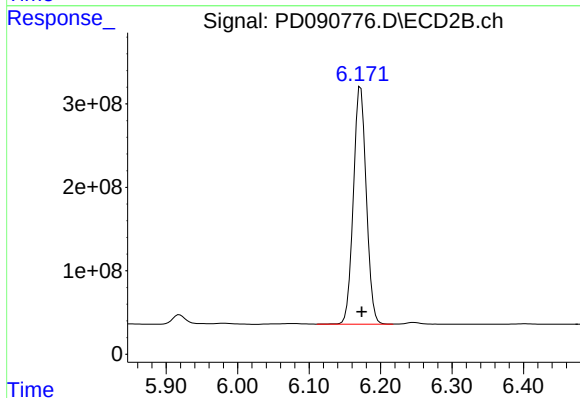
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 404041246
Conc: 98.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

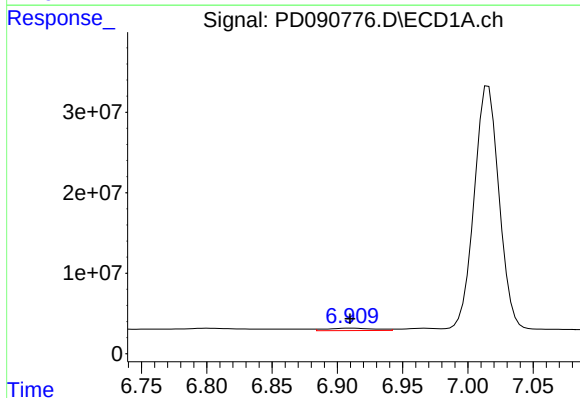
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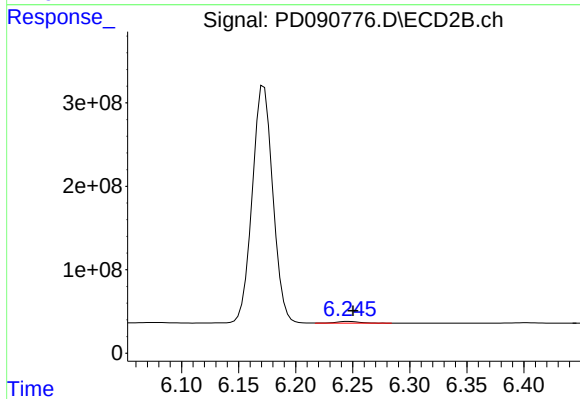
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 3574649415
Conc: 101.92 ng/ml



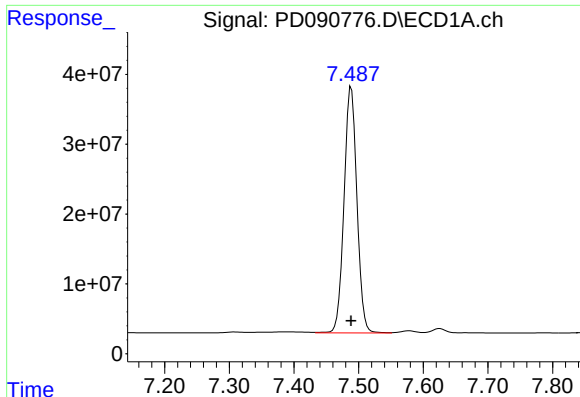
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.001 min
Response: 7655029
Conc: 2.09 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.004 min
Response: 28132388
Conc: 1.02 ng/ml



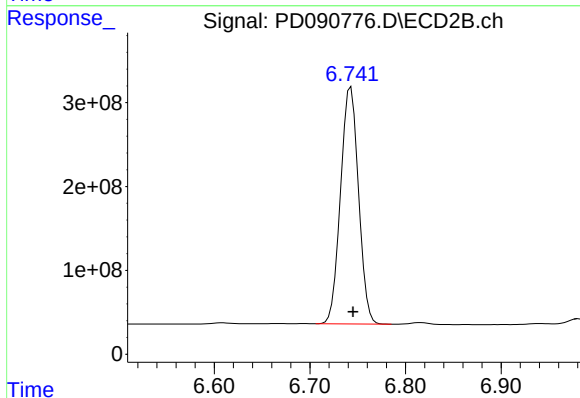
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 489204792
Conc: 230.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

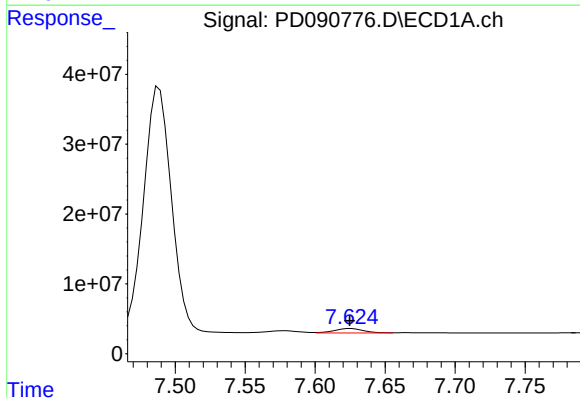
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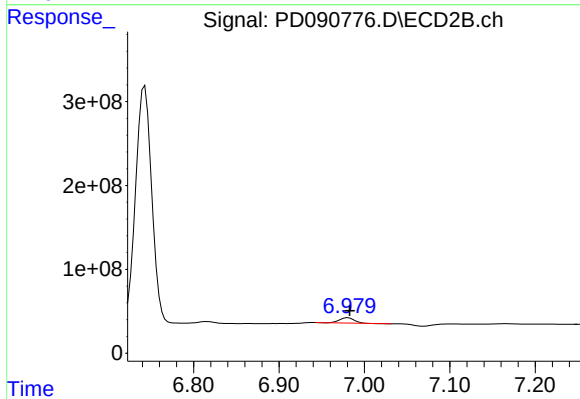
#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 3699159084
Conc: 212.26 ng/ml



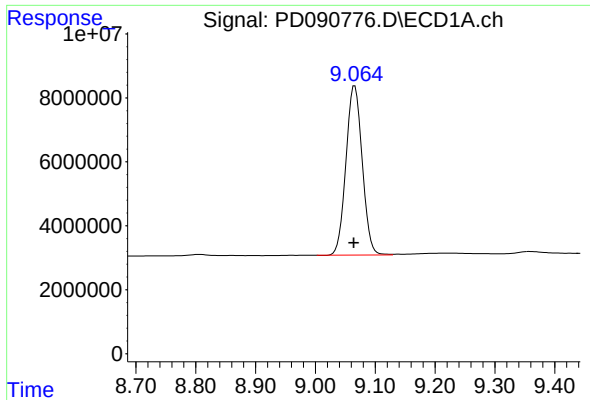
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 9080276
Conc: 1.87 ng/ml



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 74975964
Conc: 1.99 ng/ml



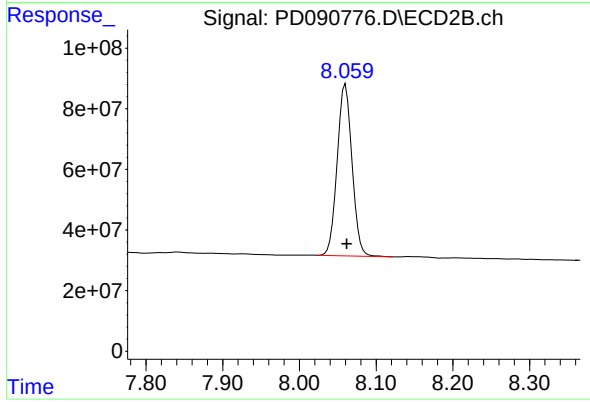
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 99943602
Conc: 21.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 762594665
Conc: 25.18 ng/ml