

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091025\
 Data File : PD090220.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2025 14:08
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/11/2025
 Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 08:19:50 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...	3.546	2.877	58579827	456.2E6	19.960	20.687
28)	SA Decachlor...	9.066	8.064	81845710	512.9E6	18.964	19.814
Target Compounds							
2)	A alpha-BHC	3.995	3.389	51294827	381.6E6	8.546	11.244 #
3)	MA gamma-BHC...	4.325	3.725	48934995	344.0E6	8.545m	11.035 #
6)	B beta-BHC	4.513	4.021	21062543	148.6E6	9.390	11.146
14)	MA Endrin	6.569	5.783	194.2E6	1446.4E6	46.860m	54.311
16)	A 4,4'-DDD	6.701	5.924	1267974	12924610	0.367	0.538m#
17)	MA 4,4'-DDT	7.016	6.176	346.3E6	2564.4E6	90.906m	102.291
18)	B Endrin al...	6.914	6.251	308570	16838175	0.108	0.978 #
20)	A Methoxychlor	7.490	6.747	433.0E6	2749.4E6	215.887	213.205
21)	B Endrin ke...	7.626	6.984	1941464	21414361	0.468	0.804 #

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

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ALS Vial : 3 Sample Multiplier: 1

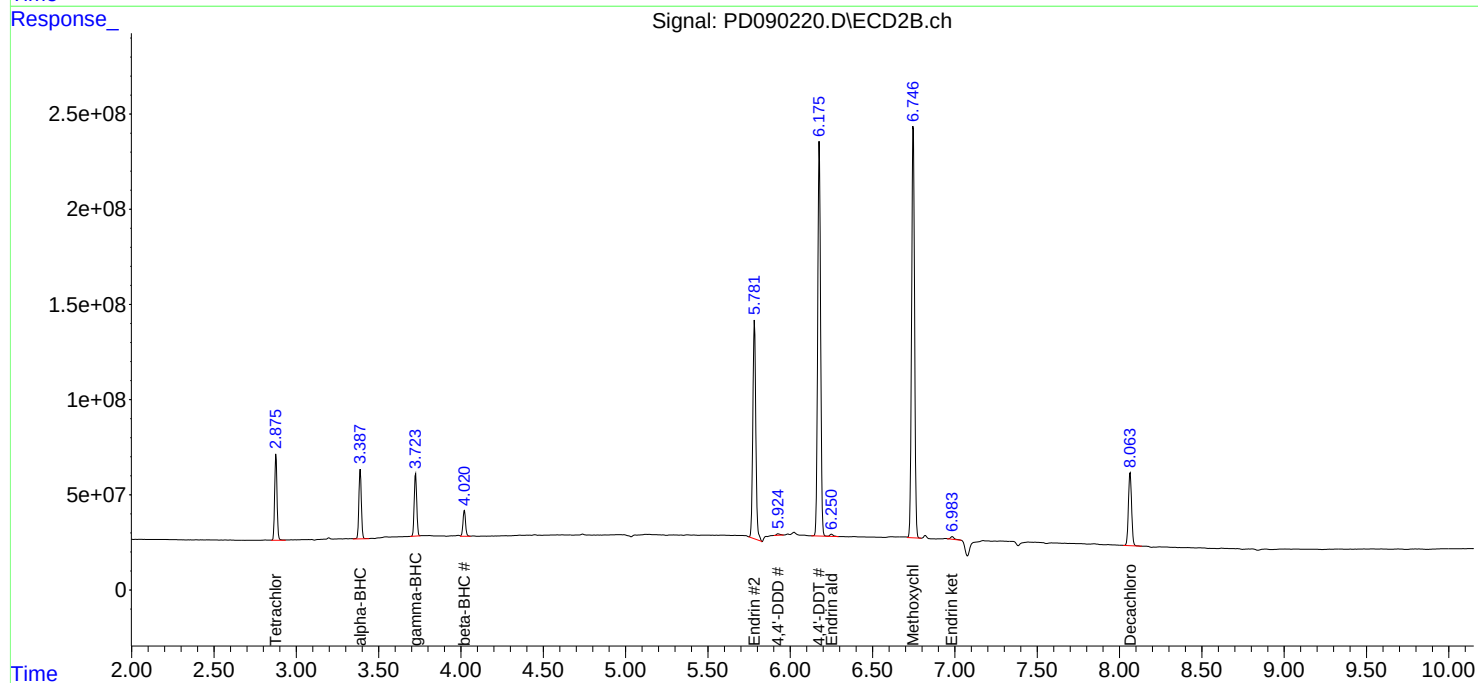
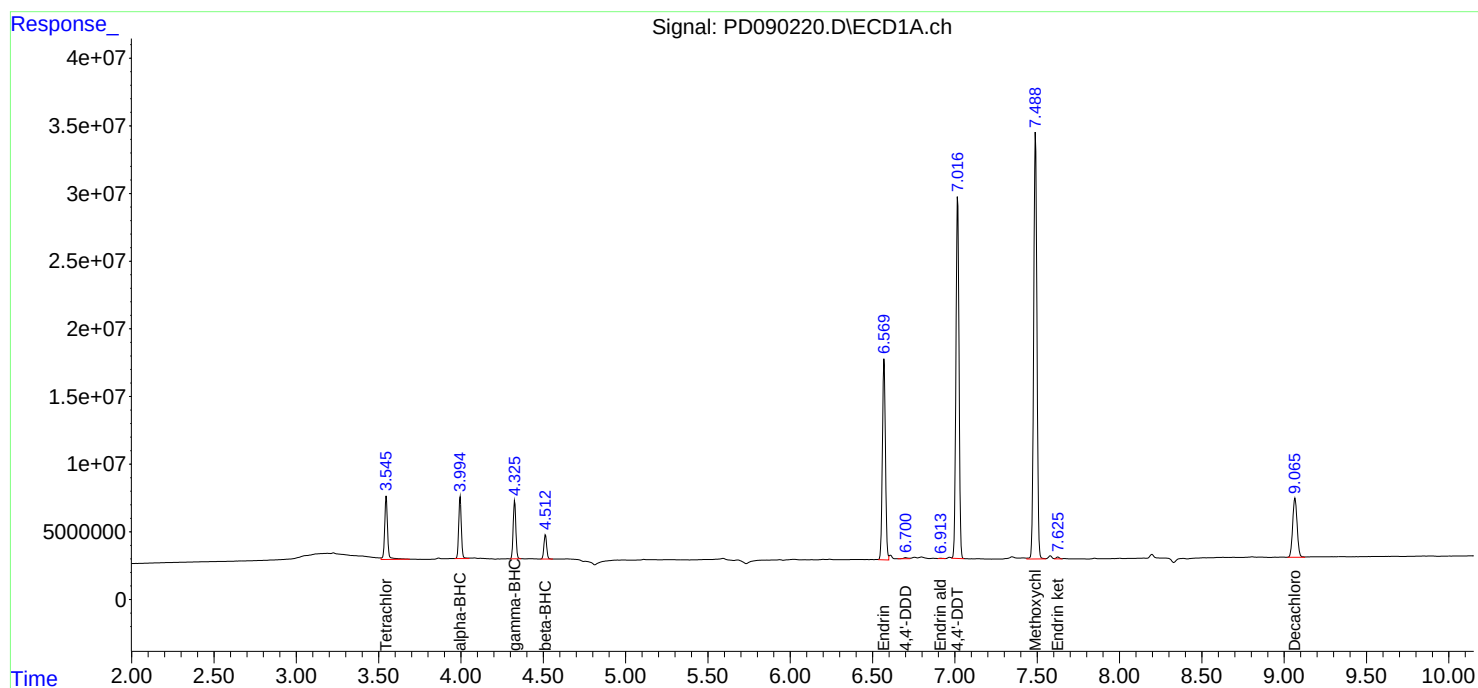
Instrument :
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ClientSampleId :
PEM

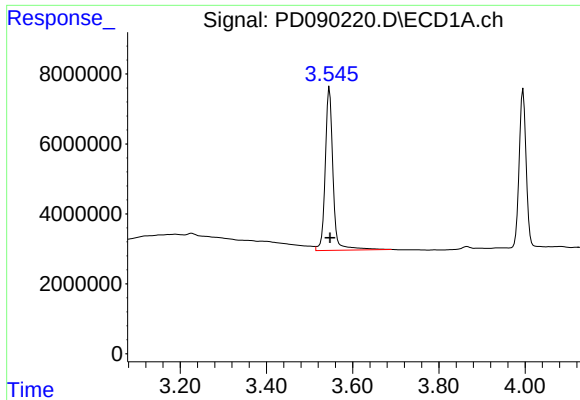
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Integration File signal 1: autoint1.e
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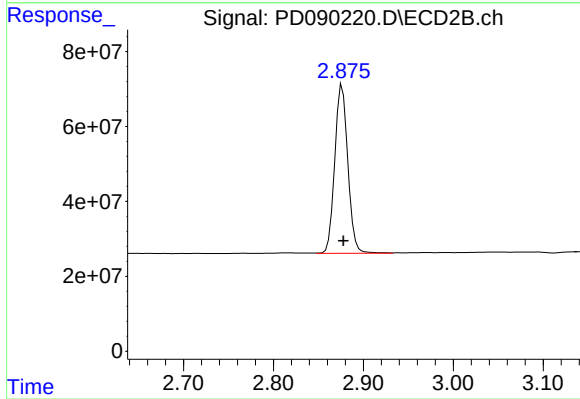
#1 Tetrachloro-m-xylene

R.T.: 3.546 min
Delta R.T.: -0.002 min
Response: 58579827
Conc: 19.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

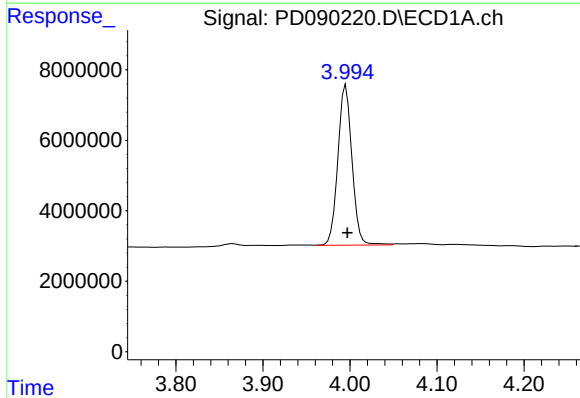
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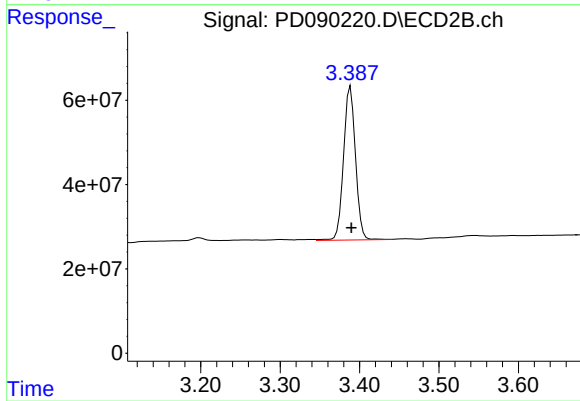
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.001 min
Response: 456154326
Conc: 20.69 ng/ml



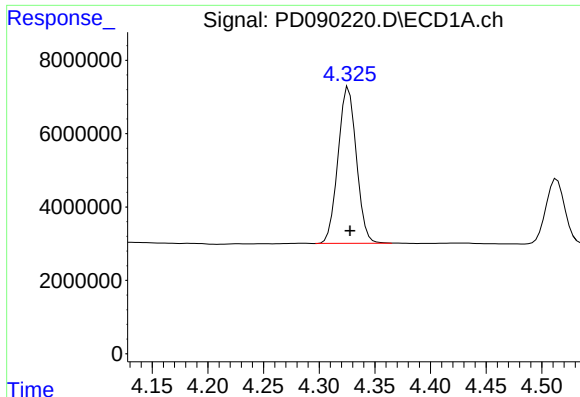
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: -0.002 min
Response: 51294827
Conc: 8.55 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 381607080
Conc: 11.24 ng/ml



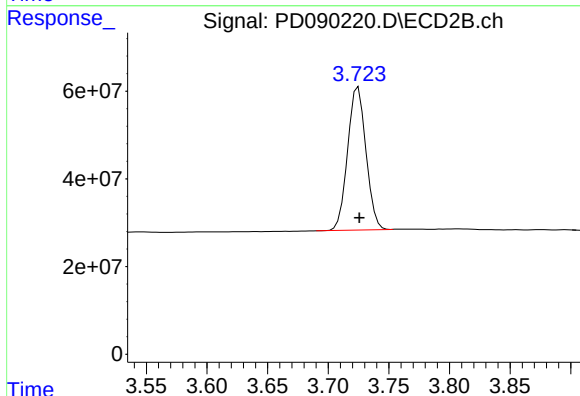
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.003 min
Response: 48934995
Conc: 8.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

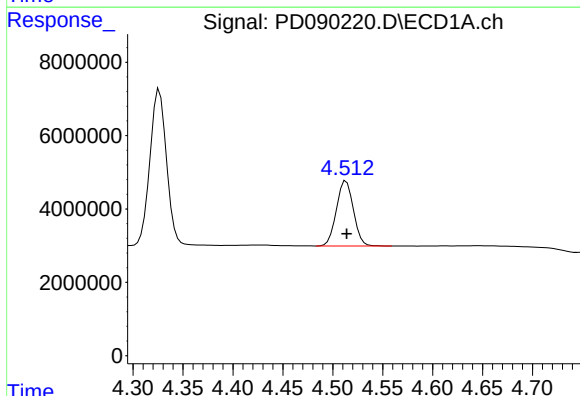
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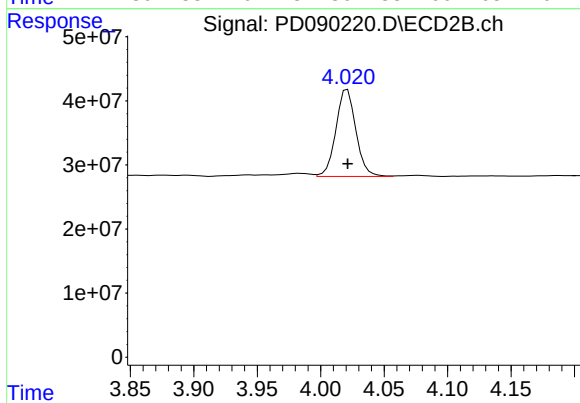
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 343984061
Conc: 11.04 ng/ml



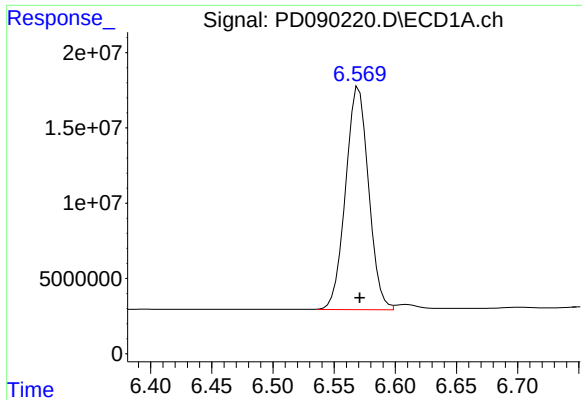
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 21062543
Conc: 9.39 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 148575515
Conc: 11.15 ng/ml



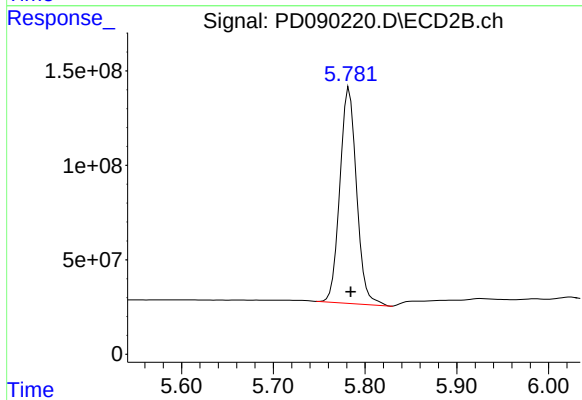
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.002 min
Response: 194167021
Conc: 46.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

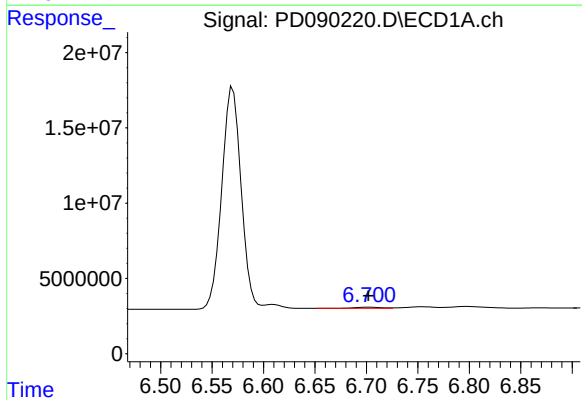
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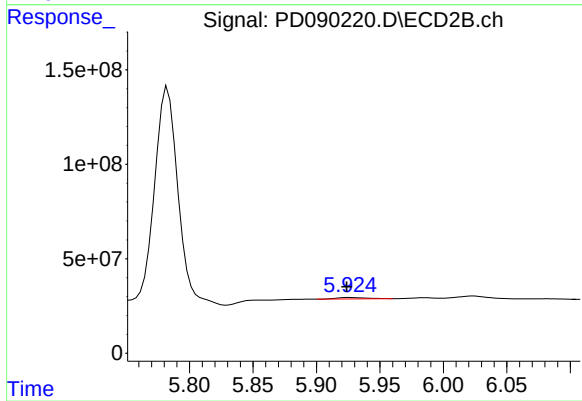
#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1446415176
Conc: 54.31 ng/ml



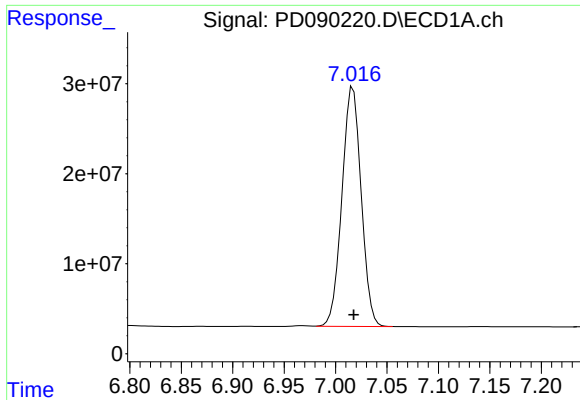
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 1267974
Conc: 0.37 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 12924610
Conc: 0.54 ng/ml m



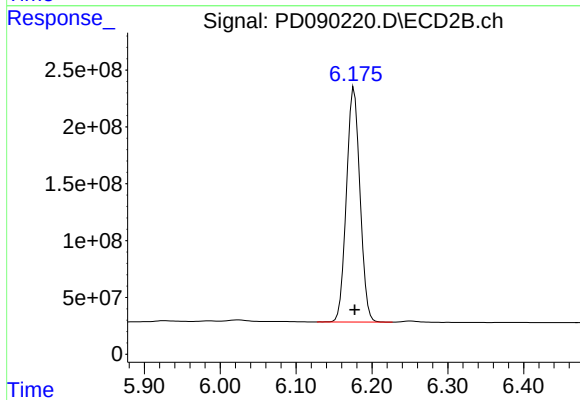
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.002 min
Response: 346327422
Conc: 90.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

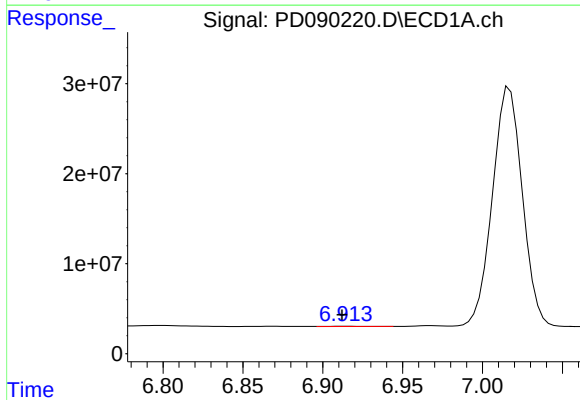
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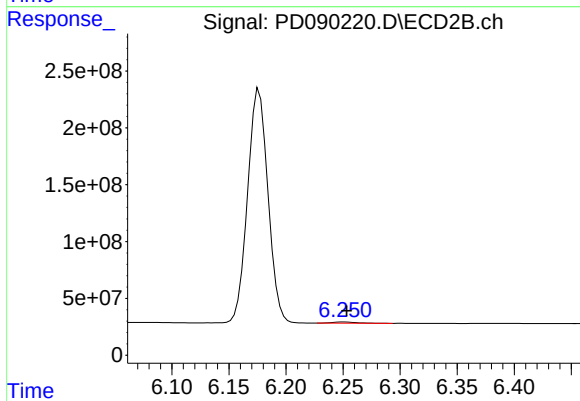
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.001 min
Response: 2564416199
Conc: 102.29 ng/ml



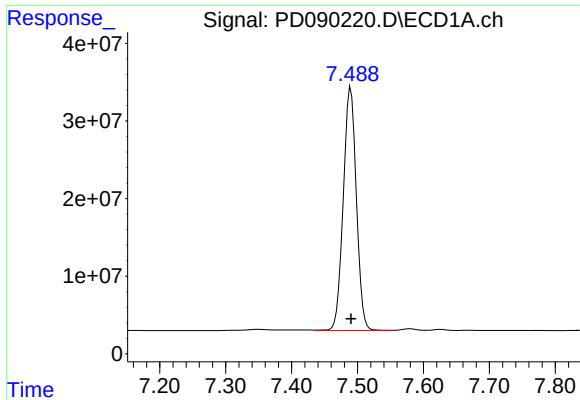
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.002 min
Response: 308570
Conc: 0.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: -0.002 min
Response: 16838175
Conc: 0.98 ng/ml



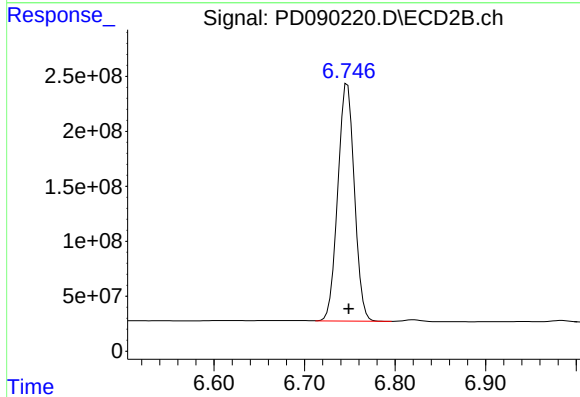
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 432986877
Conc: 215.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

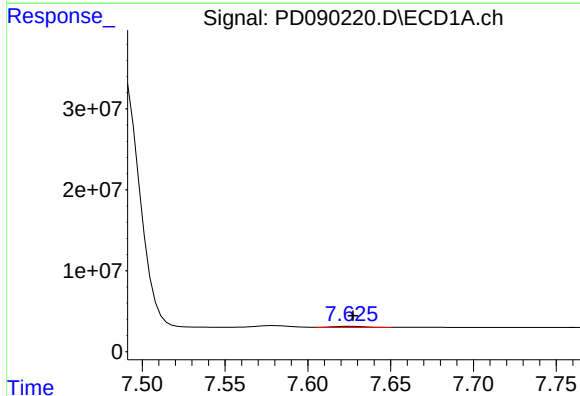
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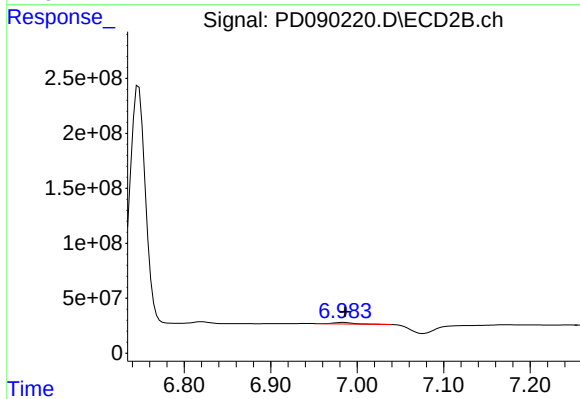
#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 2749435884
Conc: 213.20 ng/ml



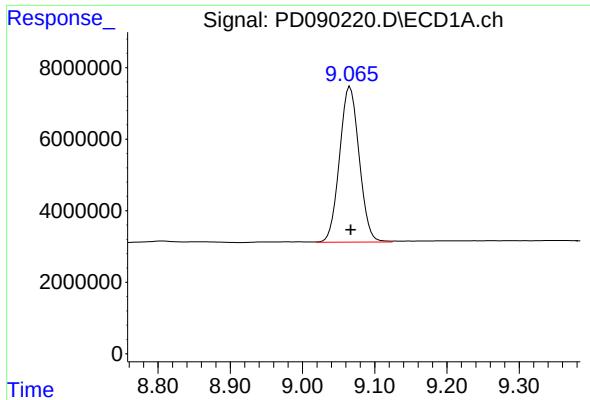
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.001 min
Response: 1941464
Conc: 0.47 ng/ml



#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.002 min
Response: 21414361
Conc: 0.80 ng/ml



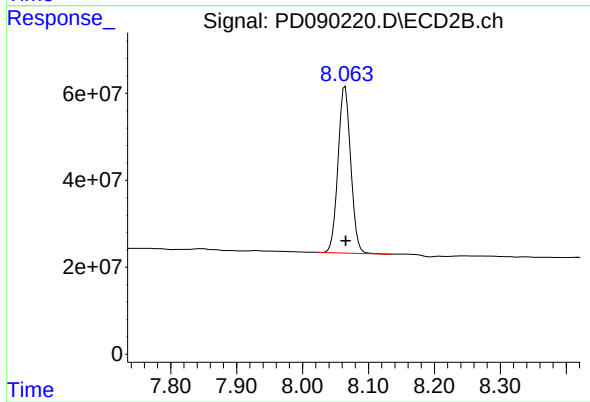
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 81845710
Conc: 18.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 512891491
Conc: 19.81 ng/ml