

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090525\
 Data File : PD090163.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Sep 2025 09:17
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/08/2025
 Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 06 03:10:33 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...	3.549	2.877	60296595	490.3E6	20.545	22.237
28)	SA Decachlor...	9.069	8.064	83485267	523.1E6	19.343	20.209
Target Compounds							
2)	A alpha-BHC	3.998	3.389	59109683	414.1E6	9.848	12.200
3)	MA gamma-BHC...	4.329	3.725	58229109	369.7E6	10.168	11.861
6)	B beta-BHC	4.515	4.021	24435148	155.2E6	10.894	11.640
12)	B 4,4'-DDE	6.192	5.368	893872	5378343	0.204m	0.187m
14)	MA Endrin	6.571	5.782	199.6E6	1340.8E6	48.170	50.343
16)	A 4,4'-DDD	6.703	5.923	24559014	172.1E6	7.100	7.159
17)	MA 4,4'-DDT	7.019	6.176	337.1E6	2343.2E6	88.472	93.466
18)	B Endrin al...	6.913	6.251	3509312	32632931	1.224	1.895 #
20)	A Methoxychlor	7.491	6.747	408.8E6	2423.0E6	203.803	187.894
21)	B Endrin ke...	7.627	6.984	12560704	113.8E6	3.031m	4.271 #

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

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Data File : PD090163.D
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Acq On : 05 Sep 2025 09:17
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

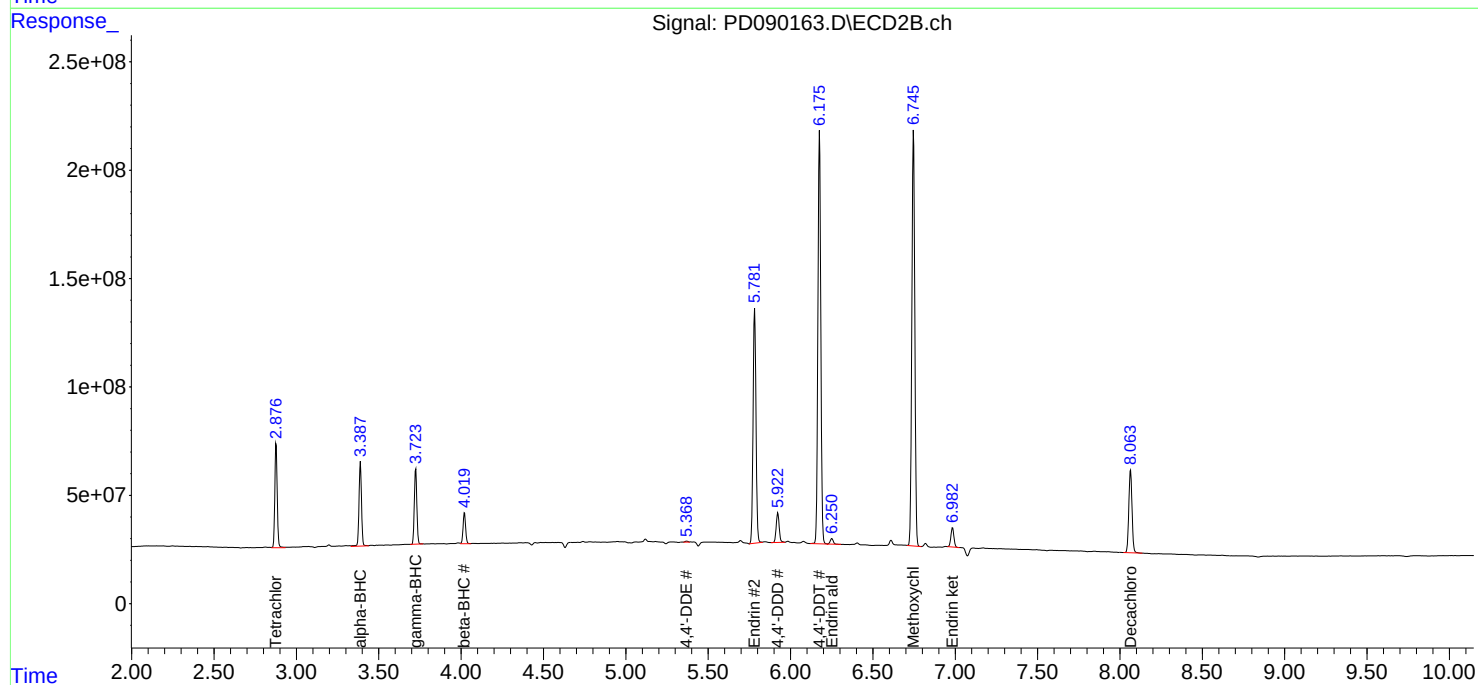
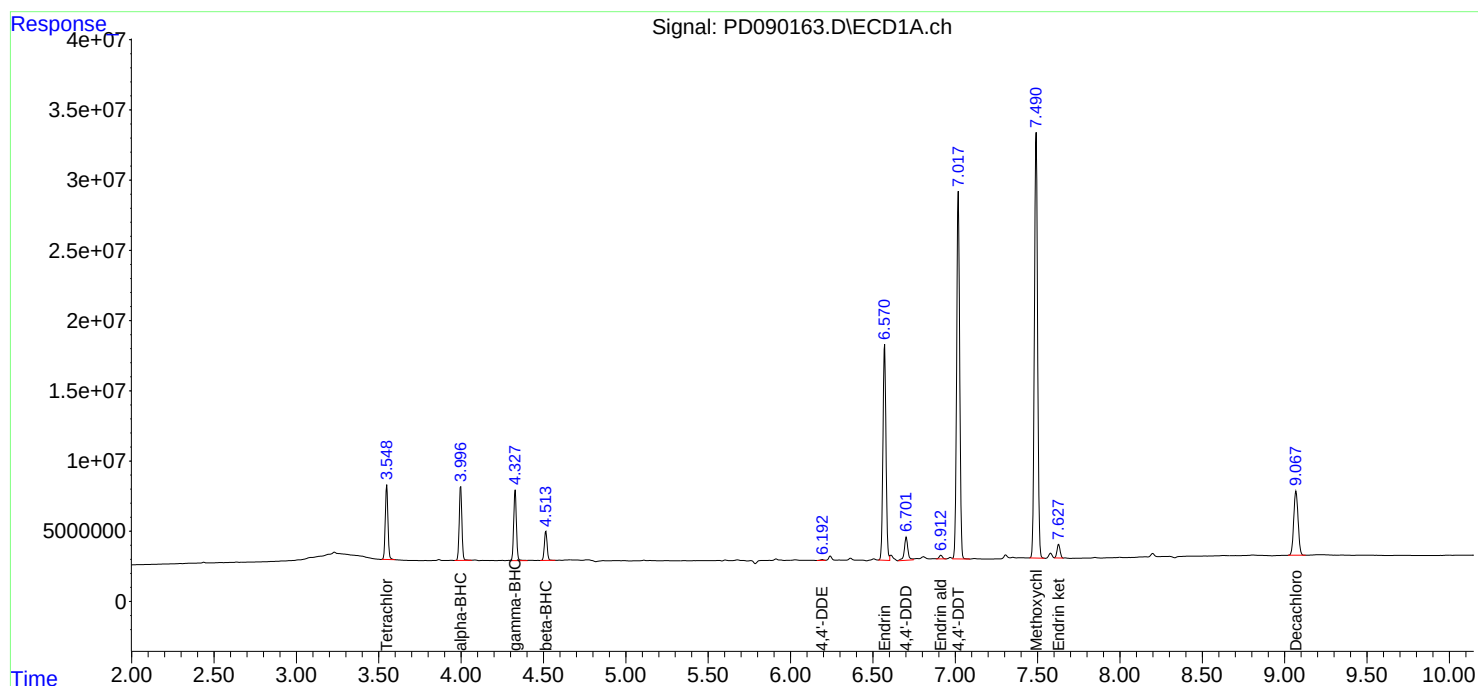
Instrument :
ECD_D
ClientSampleId :
PEM

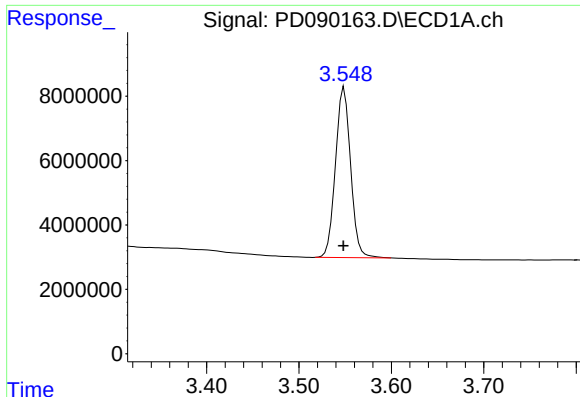
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Integration File signal 1: autoint1.e
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Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
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Volume Inj. : 1 µl
Signal #1 Phase : 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





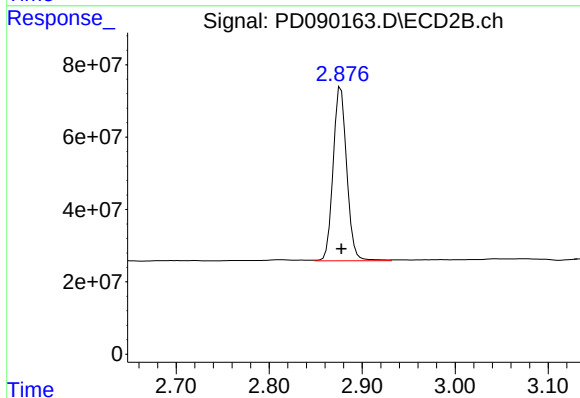
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 60296595
Conc: 20.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

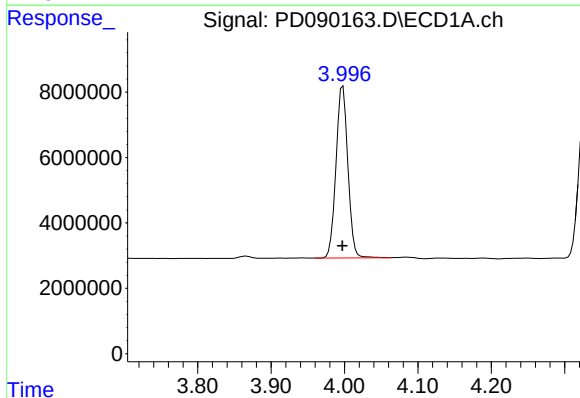
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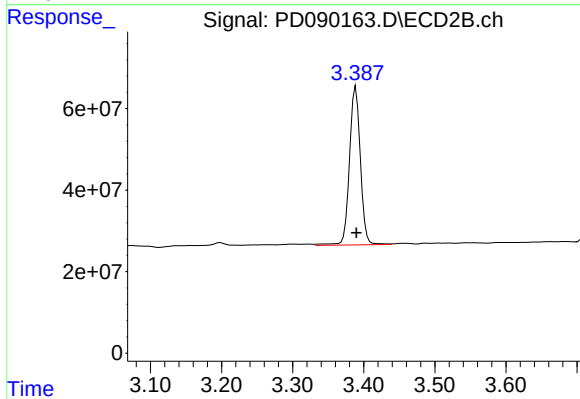
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 490332953
Conc: 22.24 ng/ml



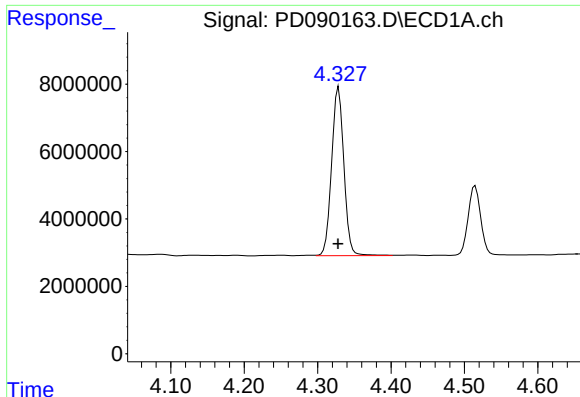
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 59109683
Conc: 9.85 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 414056877
Conc: 12.20 ng/ml



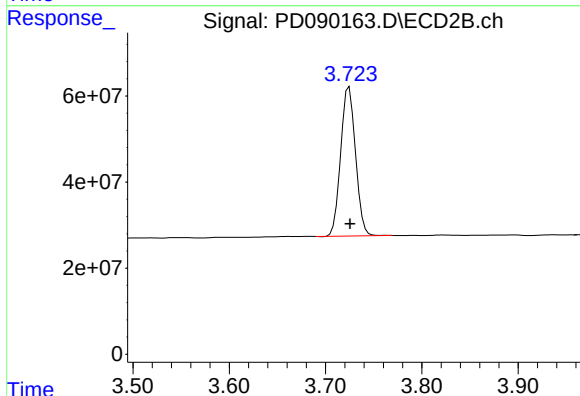
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 58229109
Conc: 10.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

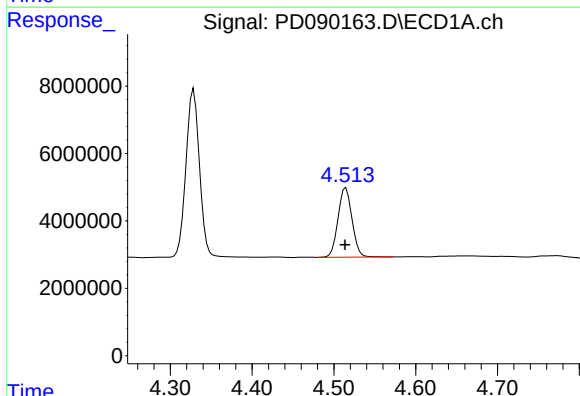
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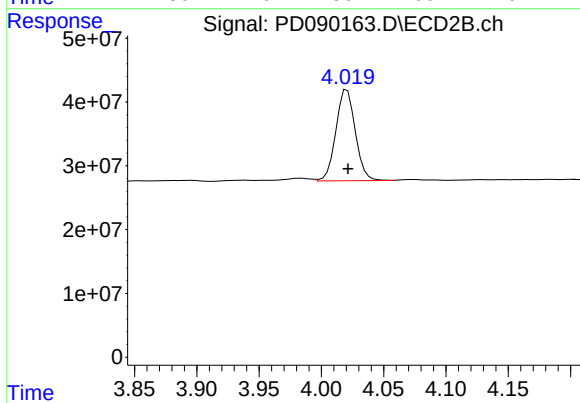
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 369724999
Conc: 11.86 ng/ml



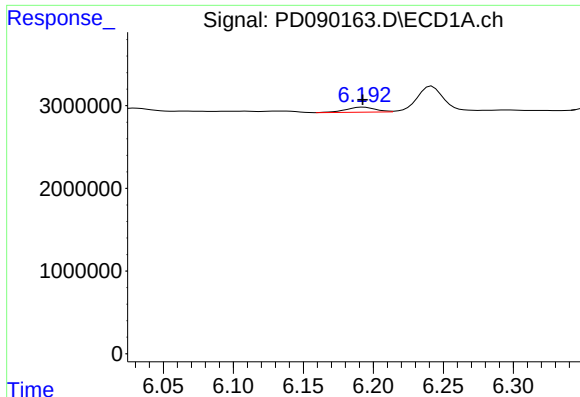
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 24435148
Conc: 10.89 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 155165079
Conc: 11.64 ng/ml



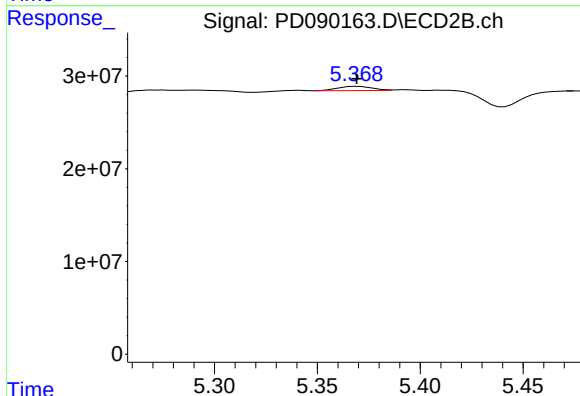
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: 0.000 min
Response: 893872
Conc: 0.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

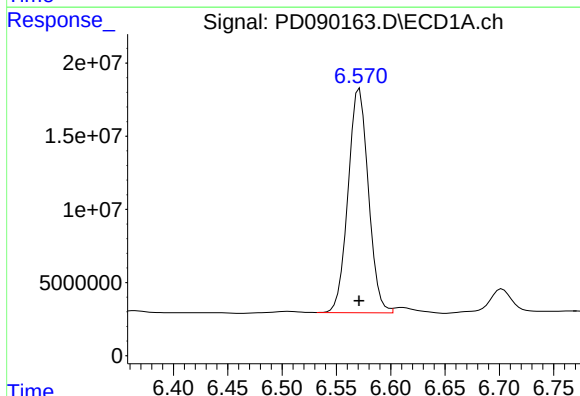
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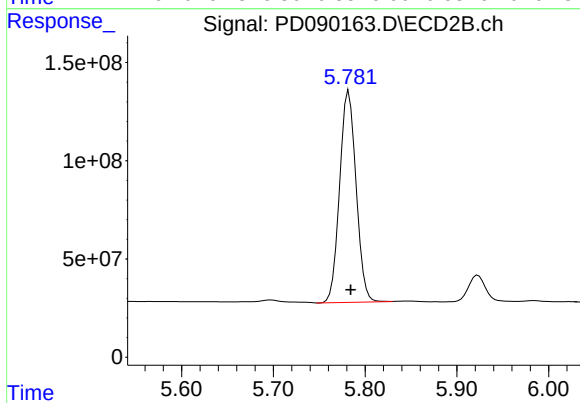
#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: -0.001 min
Response: 5378343
Conc: 0.19 ng/ml m



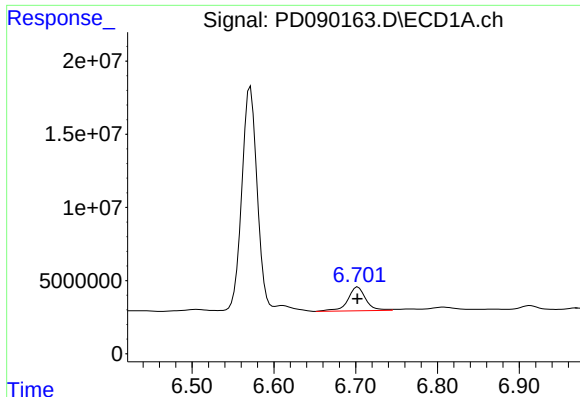
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 199597936
Conc: 48.17 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 1340754728
Conc: 50.34 ng/ml



#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 24559014
Conc: 7.10 ng/ml

Instrument :

ECD_D

ClientSampleId :

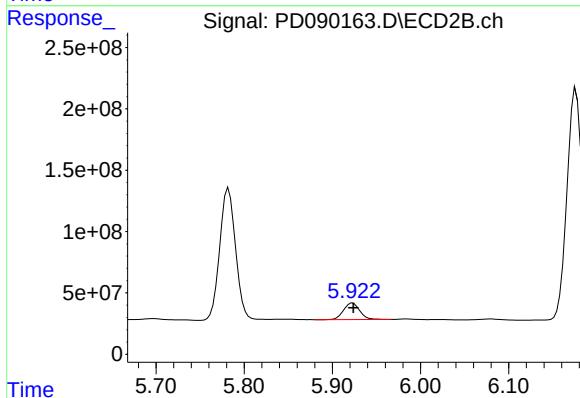
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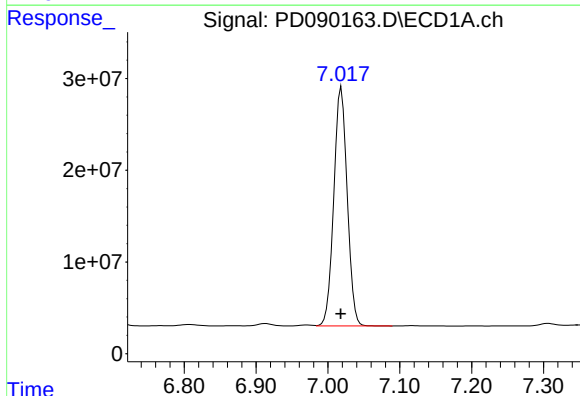
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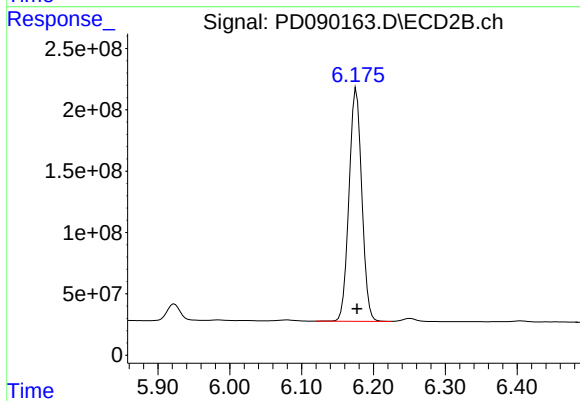
#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 172124275
Conc: 7.16 ng/ml



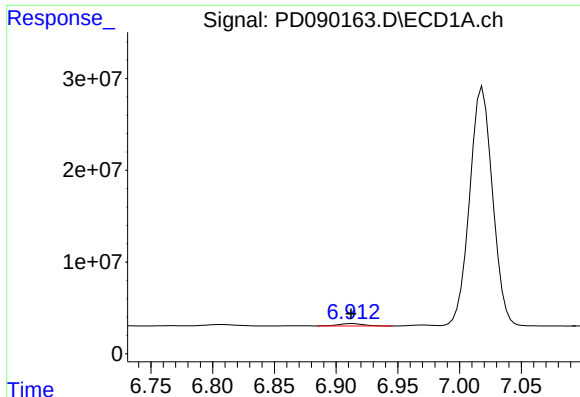
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 337054393
Conc: 88.47 ng/ml



#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.001 min
Response: 2343165899
Conc: 93.47 ng/ml



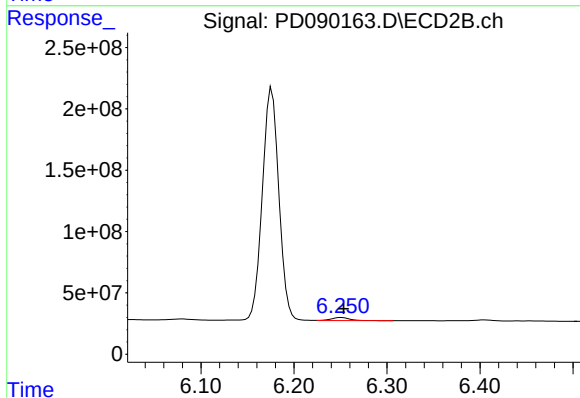
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.001 min
Response: 3509312
Conc: 1.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

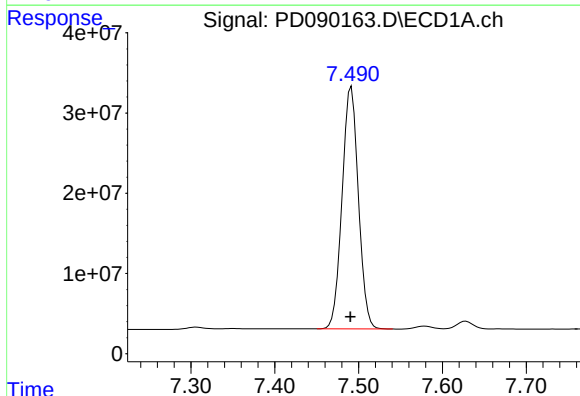
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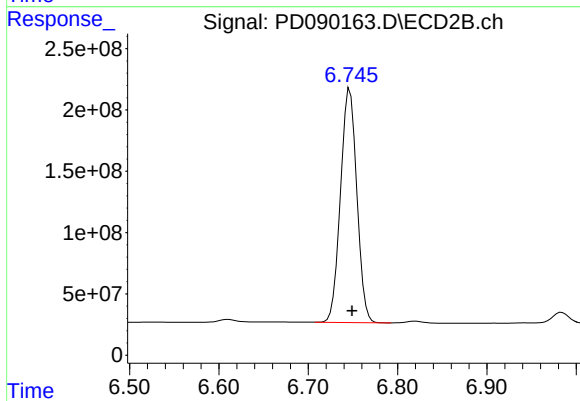
#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: -0.002 min
Response: 32632931
Conc: 1.90 ng/ml



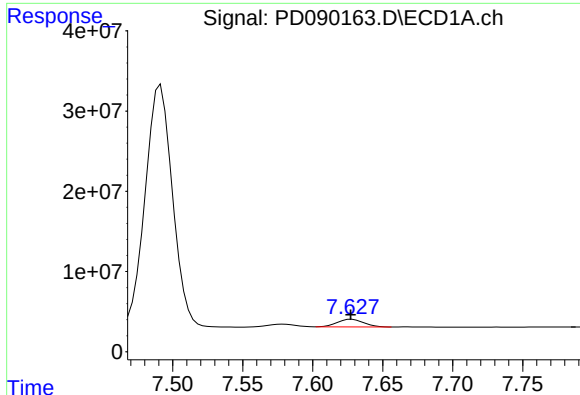
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.001 min
Response: 408751836
Conc: 203.80 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 2423032101
Conc: 187.89 ng/ml



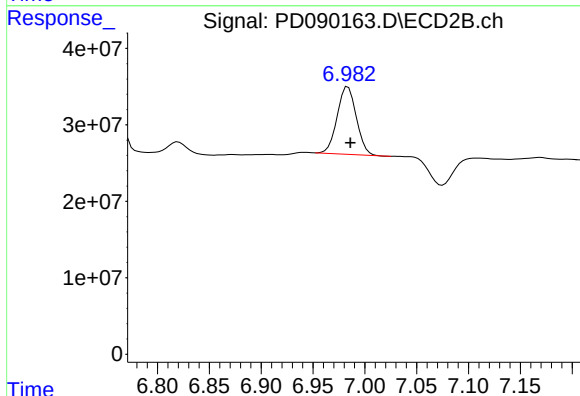
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 12560704
Conc: 3.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

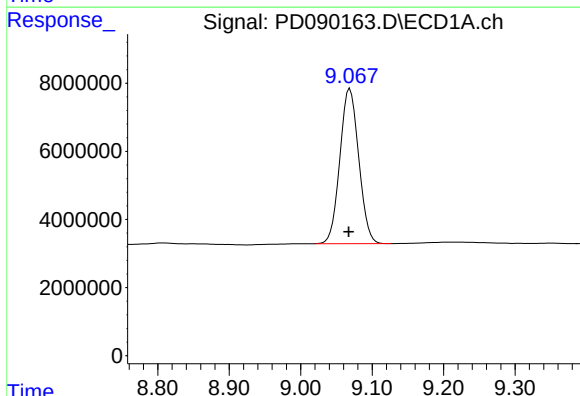
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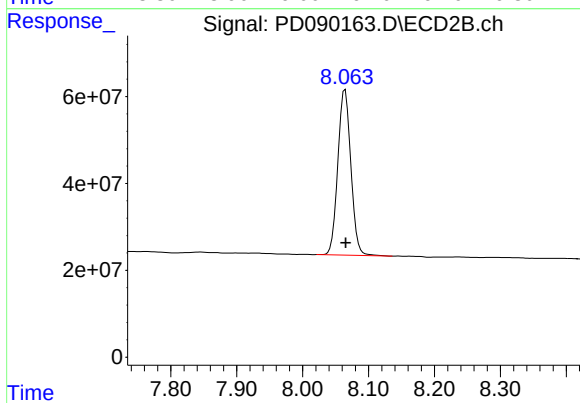
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.003 min
Response: 113802903
Conc: 4.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.002 min
Response: 83485267
Conc: 19.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 523128244
Conc: 20.21 ng/ml