

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070325\
 Data File : PD089312.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 18:55
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/03/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:42:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.550	2.882	151.4E6	920.7E6	53.074	54.307
28)	SA Decachlor...	9.073	8.073	188.2E6	934.2E6	47.922	47.252
Target Compounds							
2)	A alpha-BHC	4.000	3.393	311.8E6	1403.9E6	53.487	52.391
3)	MA gamma-BHC...	4.331	3.728	296.2E6	1282.9E6	53.058	51.822m
4)	MA Heptachlor	4.930	4.083	279.5E6	1236.0E6	51.270	49.365
5)	MB Aldrin	5.272	4.369	281.5E6	1244.6E6	52.992	51.394
6)	B beta-BHC	4.516	4.025	112.6E6	530.5E6	51.018	49.366
7)	B delta-BHC	4.765	4.262	283.8E6	1263.7E6	55.294	50.804
8)	B Heptachlo...	5.691	4.873	246.5E6	1163.5E6	51.099	53.131
9)	A Endosulfan I	6.074	5.247	233.1E6	1052.9E6	51.712	50.519
10)	B gamma-Chl...	5.946	5.126	251.4E6	1223.7E6	52.513	51.151
11)	B alpha-Chl...	6.028	5.191	250.4E6	1156.8E6	51.743	50.521
12)	B 4,4'-DDE	6.196	5.376	218.9E6	1148.2E6	50.195	50.103
13)	MA Dieldrin	6.348	5.512	249.5E6	1172.6E6	52.016	50.523m
14)	MA Endrin	6.575	5.790	202.7E6	1134.5E6	49.123	52.249
15)	B Endosulfa...	6.787	6.081	204.9E6	997.5E6	50.769	49.388
16)	A 4,4'-DDD	6.706	5.930	182.4E6	957.1E6	53.150	50.035
17)	MA 4,4'-DDT	7.022	6.184	172.6E6	903.0E6	45.570	44.528
18)	B Endrin al...	6.916	6.259	151.8E6	735.2E6	49.529	48.014
19)	B Endosulfa...	7.150	6.483	189.1E6	943.9E6	49.292	48.105
20)	A Methoxychlor	7.494	6.754	104.7E6	554.8E6	51.791	51.518
21)	B Endrin ke...	7.631	6.992	204.5E6	1054.7E6	50.220	48.823
22)	Mirex	8.114	7.186	146.1E6	789.4E6	48.066	47.331

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

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Data File : PD089312.D
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Acq On : 02 Jul 2025 18:55
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Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

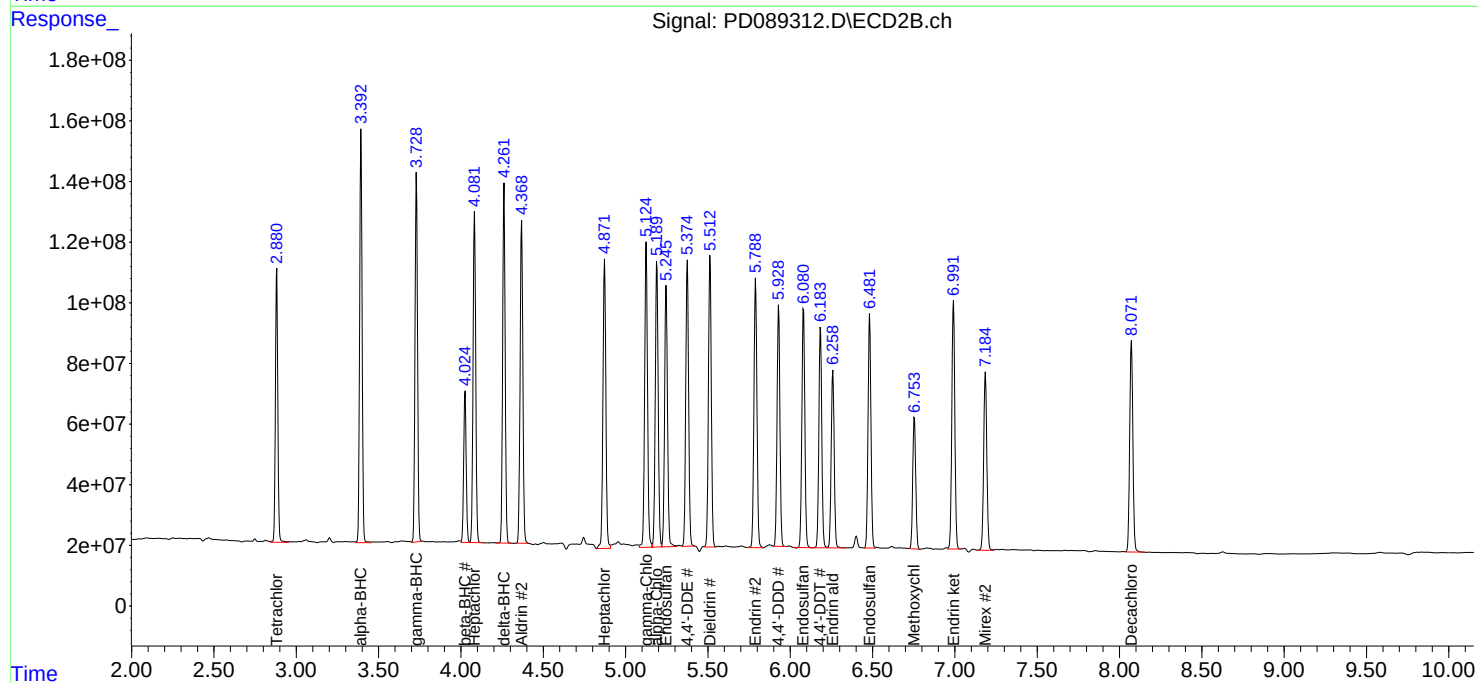
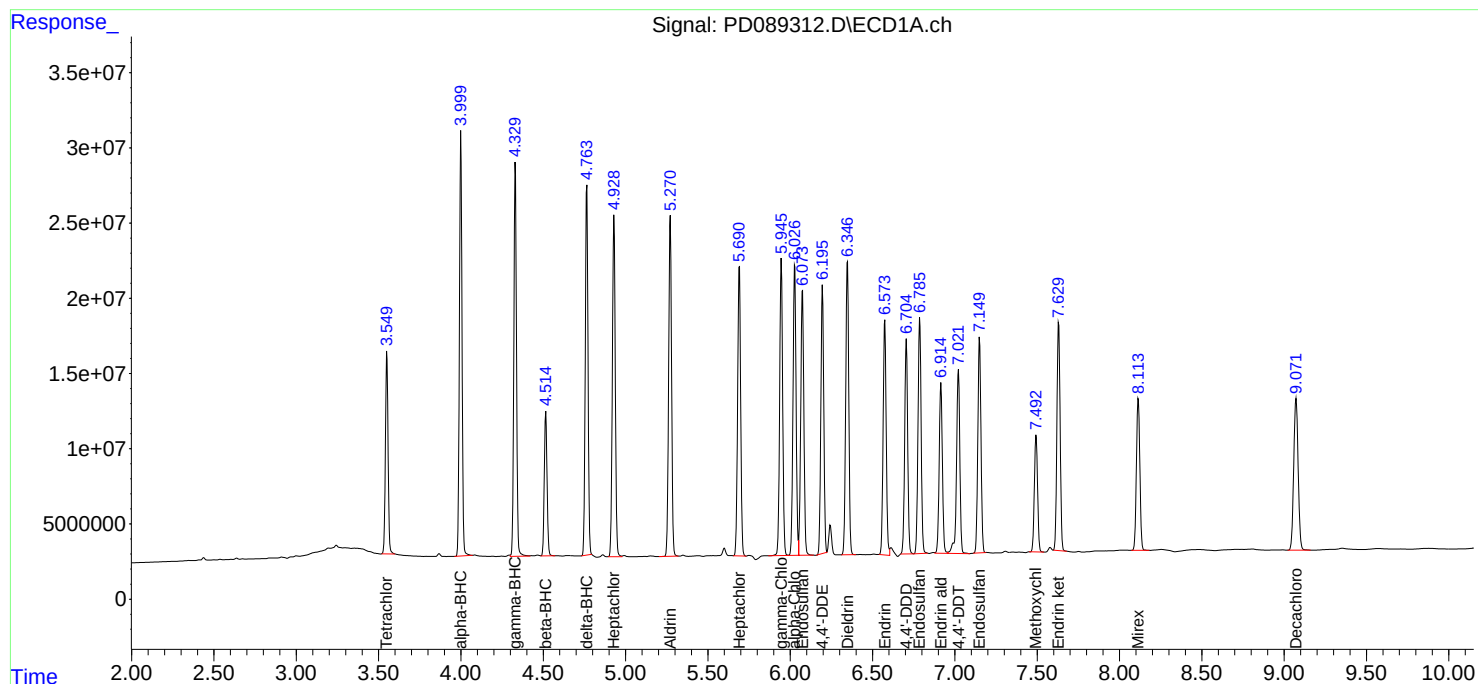
APPROVED

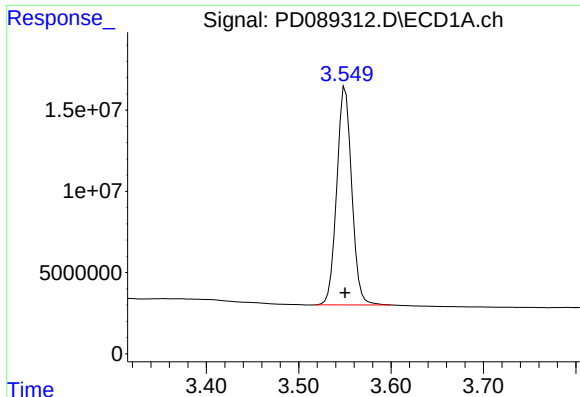
Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:42:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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





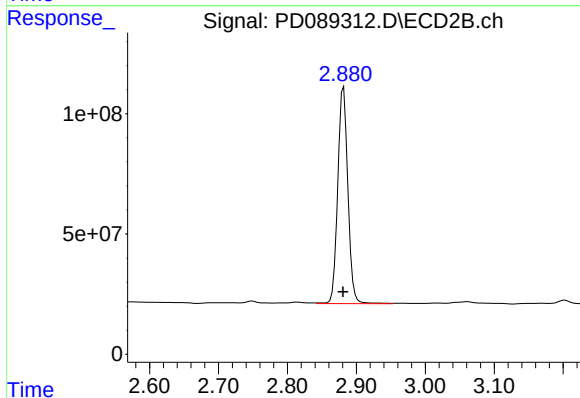
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 151428008
Conc: 53.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

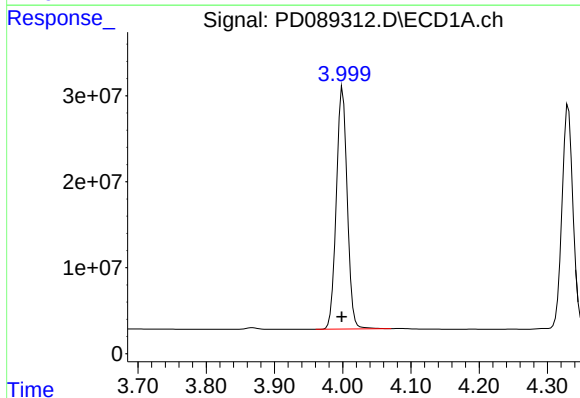
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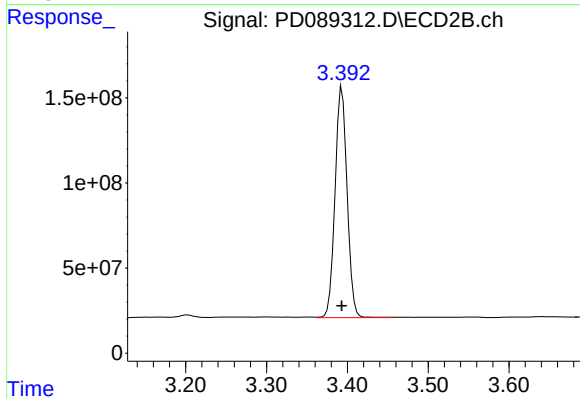
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 920667642
Conc: 54.31 ng/ml



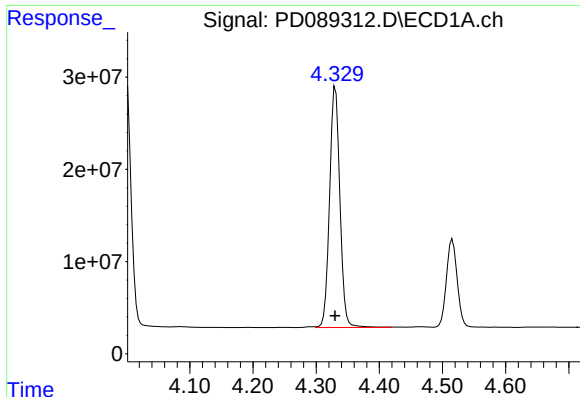
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 311778316
Conc: 53.49 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1403929862
Conc: 52.39 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 296153746
Conc: 53.06 ng/ml

Instrument :

ECD_D

ClientSampleId :

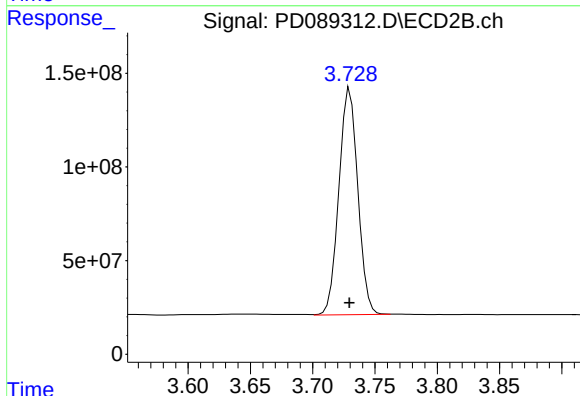
PSTDCCC050

Manual Integrations

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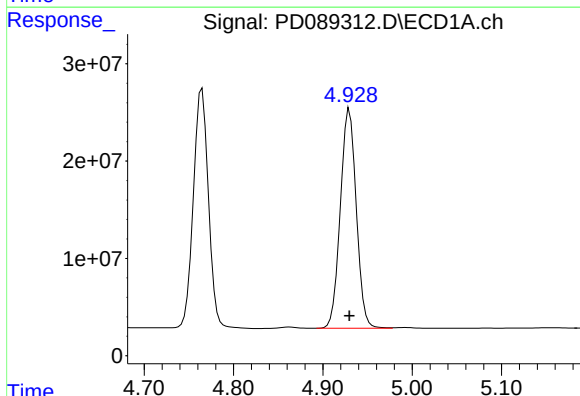
Reviewed By :Abdul Mirza 07/03/2025

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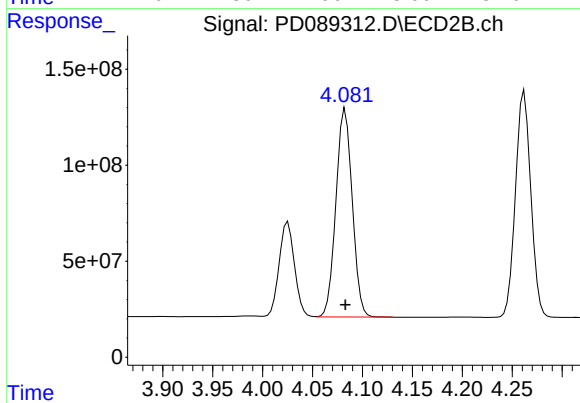
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 1282947642
Conc: 51.82 ng/ml m



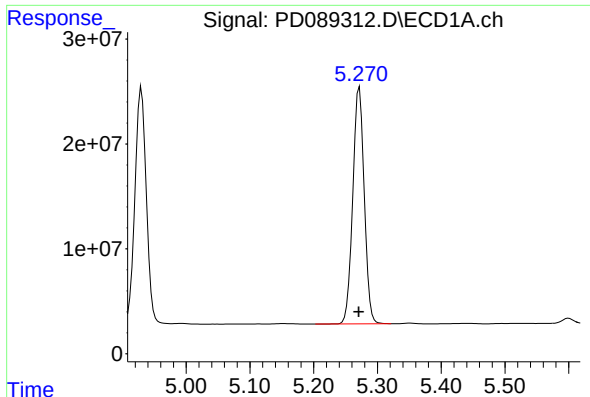
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 279522278
Conc: 51.27 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1236025134
Conc: 49.37 ng/ml



#5 Aldrin

R.T.: 5.272 min
Delta R.T.: 0.000 min
Response: 281543046
Conc: 52.99 ng/ml

Instrument :

ECD_D

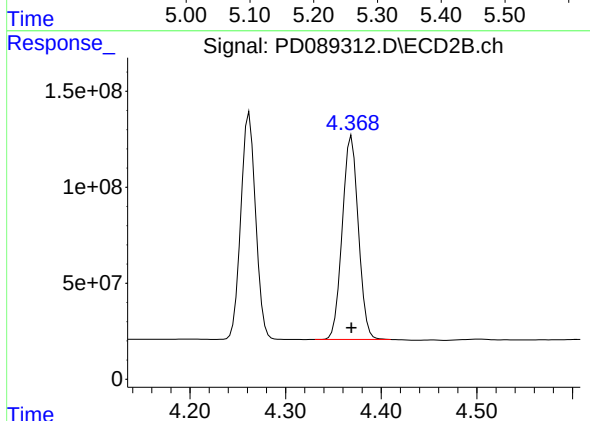
ClientSampleId :

PSTDCCC050

Manual Integrations

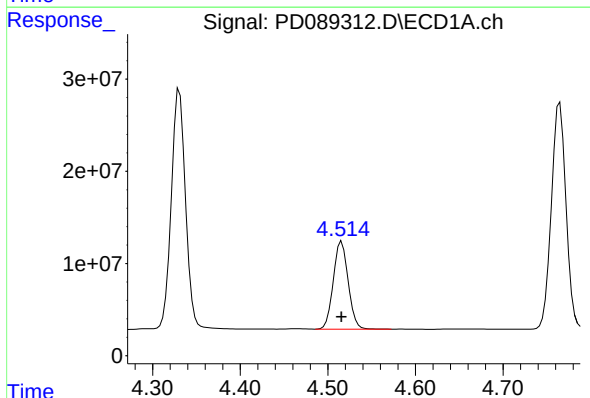
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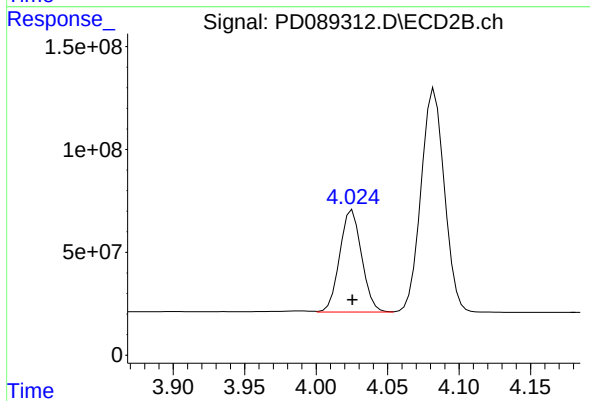
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 1244614276
Conc: 51.39 ng/ml



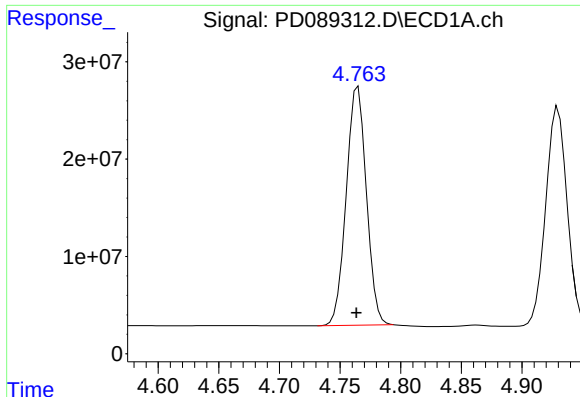
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 112604264
Conc: 51.02 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 530501838
Conc: 49.37 ng/ml



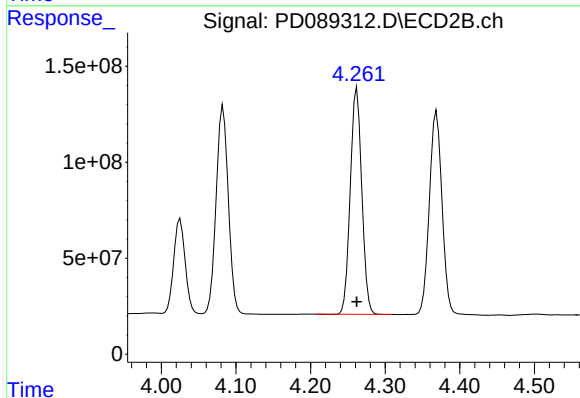
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.001 min
Response: 283820614
Conc: 55.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

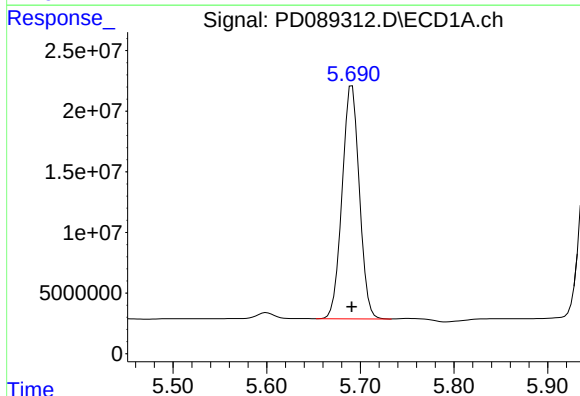
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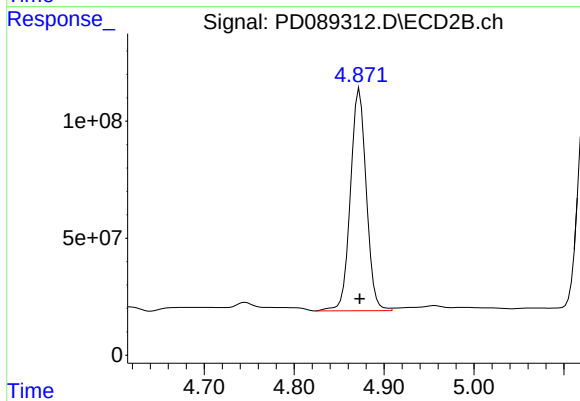
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1263670654
Conc: 50.80 ng/ml



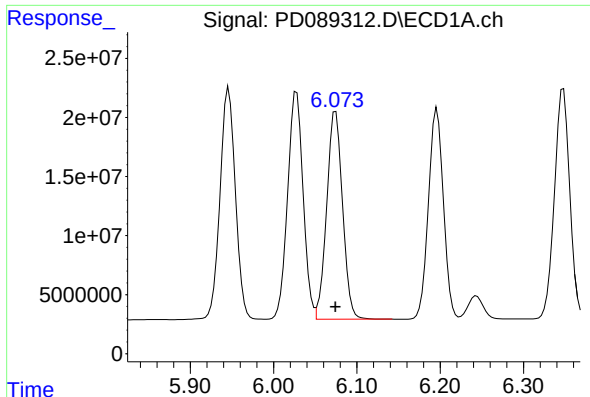
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 246496736
Conc: 51.10 ng/ml



#8 Heptachlor epoxide

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 1163466380
Conc: 53.13 ng/ml



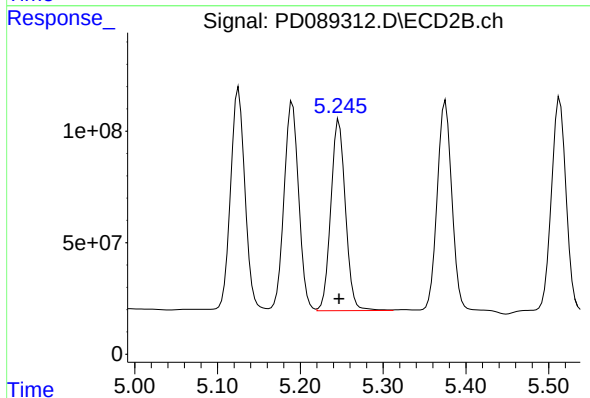
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 233089789
Conc: 51.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

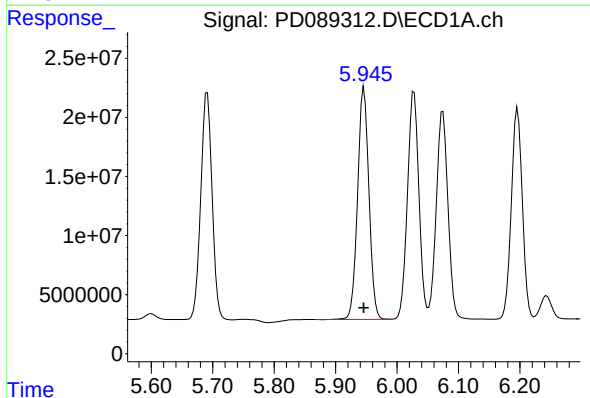
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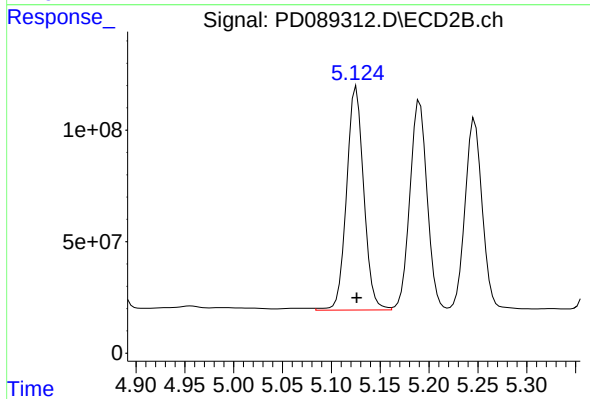
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 1052941490
Conc: 50.52 ng/ml



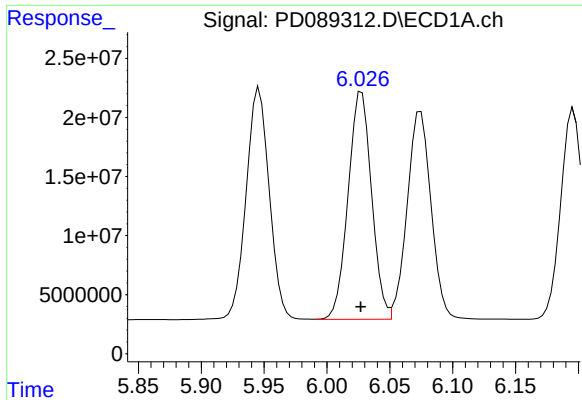
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 251438510
Conc: 52.51 ng/ml



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 1223668268
Conc: 51.15 ng/ml



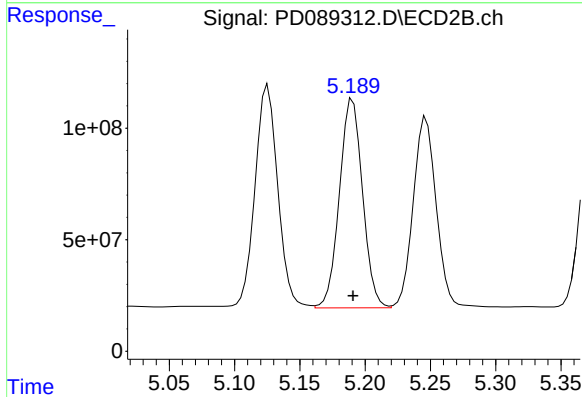
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 250359946
Conc: 51.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

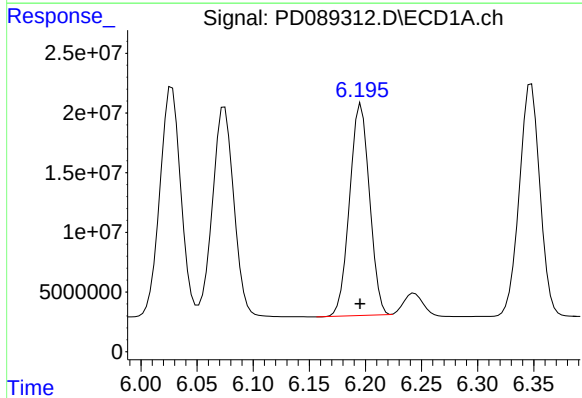
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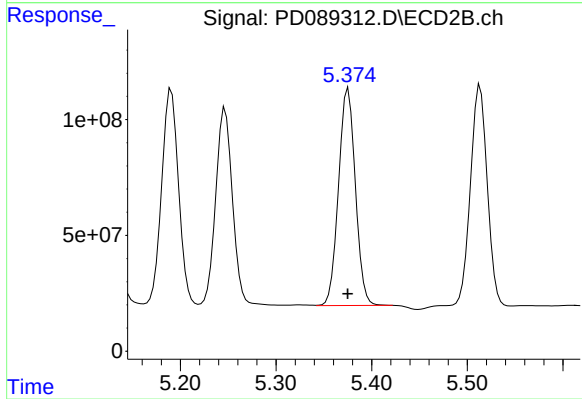
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: 0.000 min
Response: 1156776741
Conc: 50.52 ng/ml



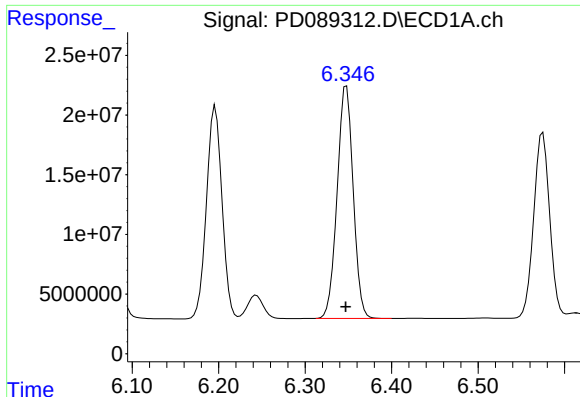
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 218902327
Conc: 50.20 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.000 min
Response: 1148161593
Conc: 50.10 ng/ml



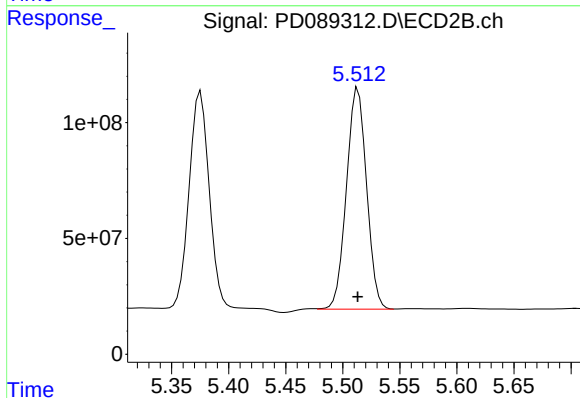
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 249546771
Conc: 52.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

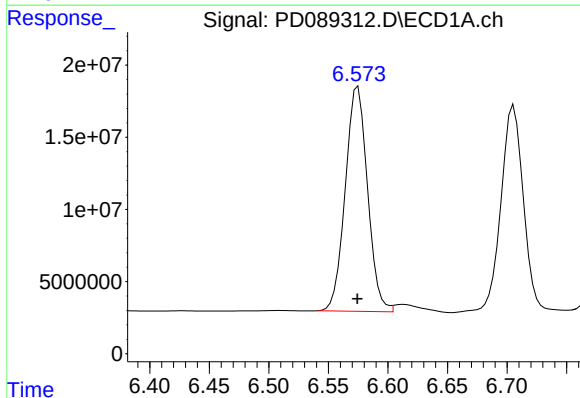
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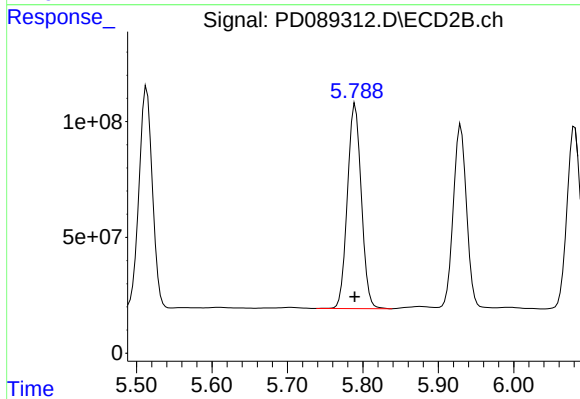
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.001 min
Response: 1172557778
Conc: 50.52 ng/ml m



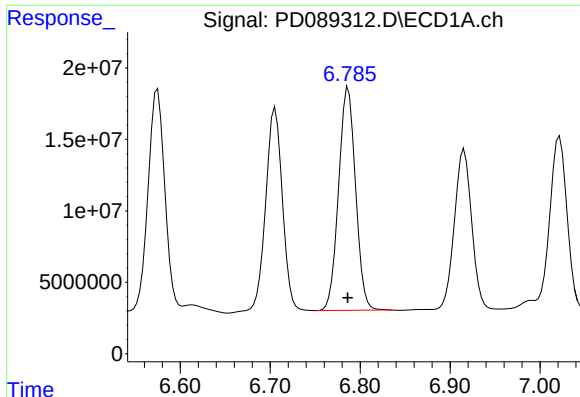
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 202661250
Conc: 49.12 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: 0.000 min
Response: 1134539357
Conc: 52.25 ng/ml



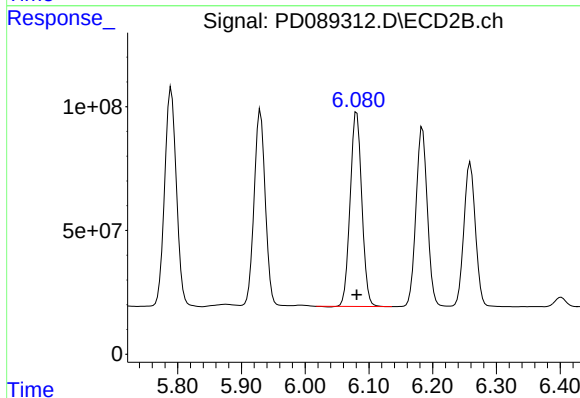
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 204933431
Conc: 50.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

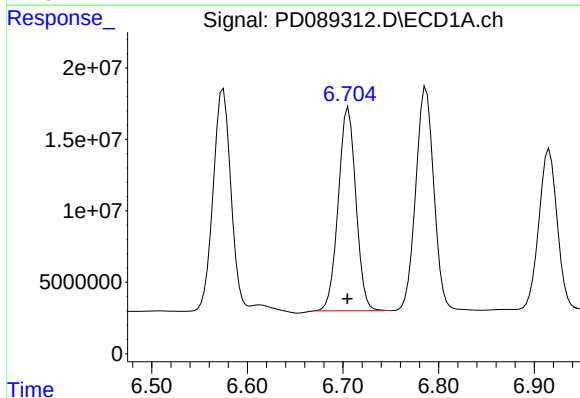
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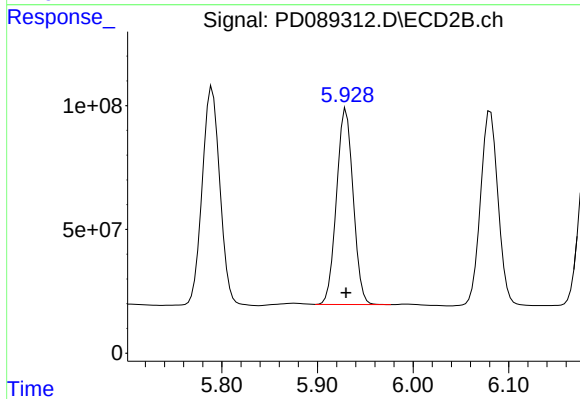
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 997468354
Conc: 49.39 ng/ml



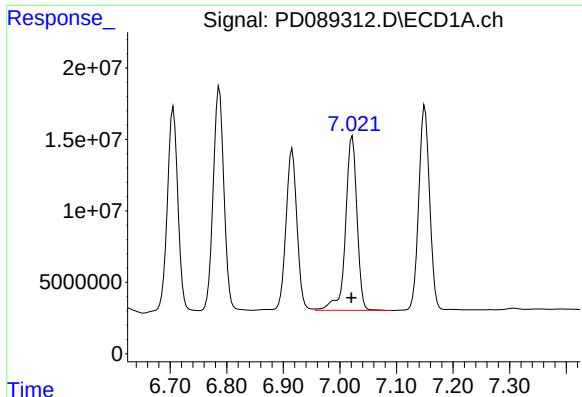
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.001 min
Response: 182414761
Conc: 53.15 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 957145398
Conc: 50.04 ng/ml



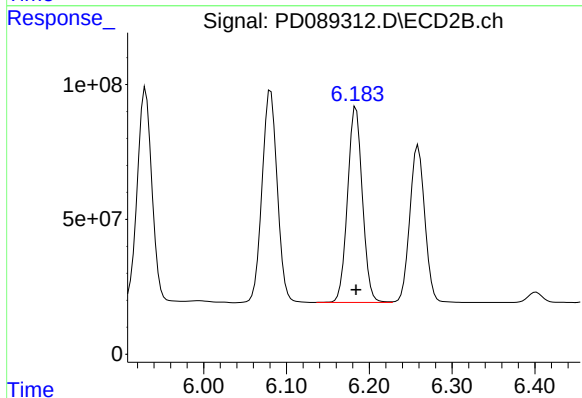
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.001 min
Response: 172628654
Conc: 45.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

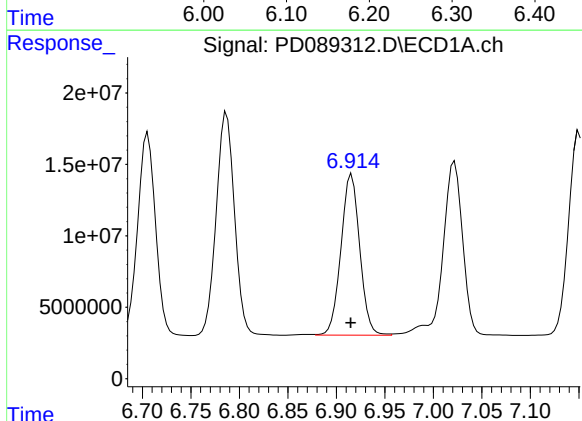
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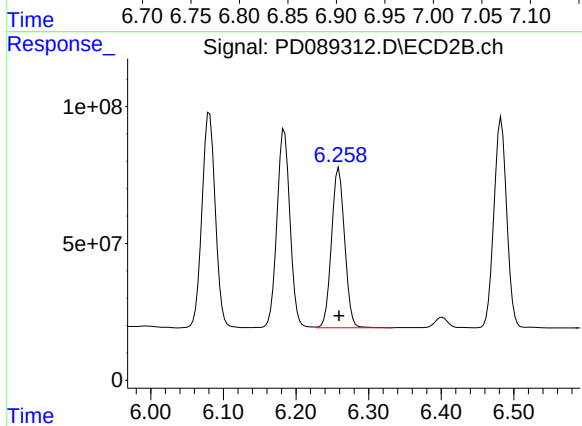
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 903005857
Conc: 44.53 ng/ml



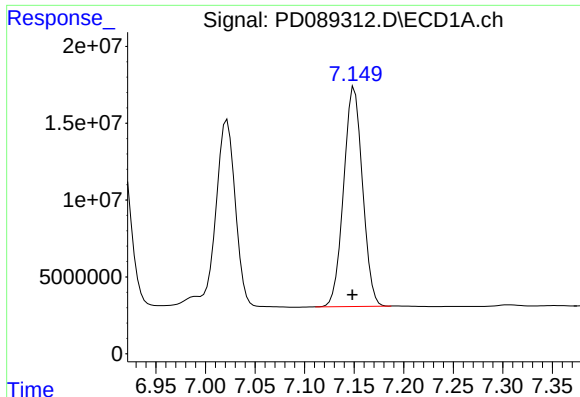
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.001 min
Response: 151754652
Conc: 49.53 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 735157626
Conc: 48.01 ng/ml



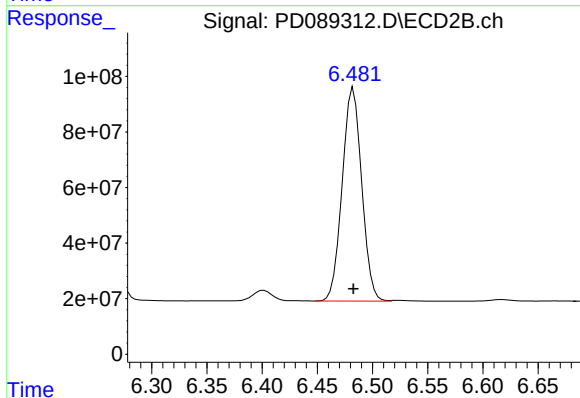
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.002 min
Response: 189143242
Conc: 49.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

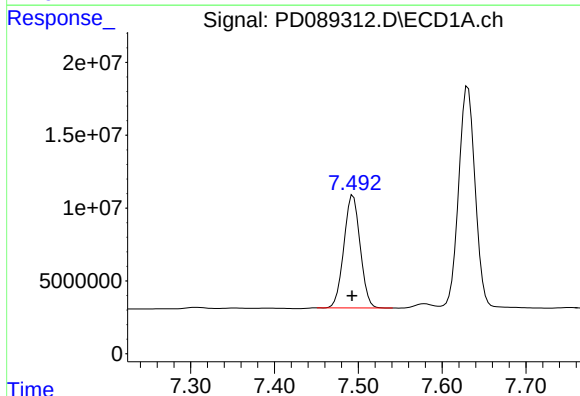
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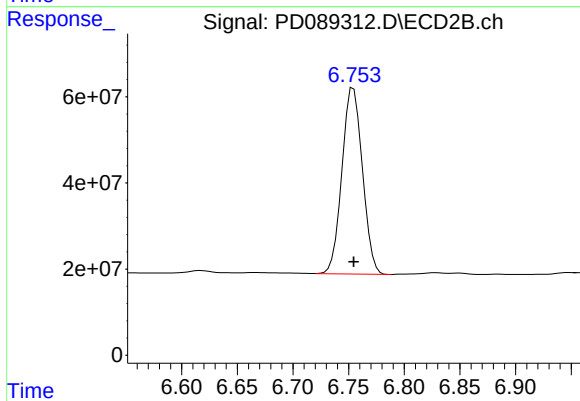
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 943868727
Conc: 48.10 ng/ml



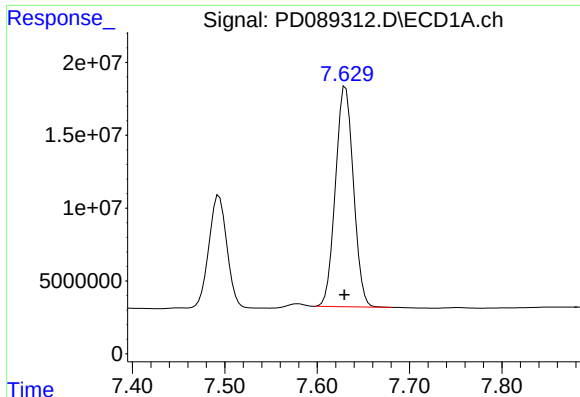
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.001 min
Response: 104650195
Conc: 51.79 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 554750139
Conc: 51.52 ng/ml



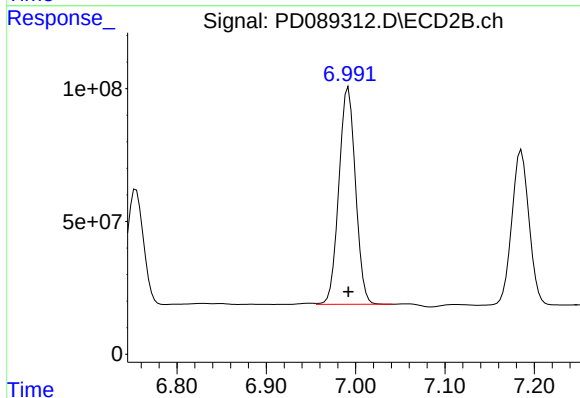
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.001 min
Response: 204548719
Conc: 50.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

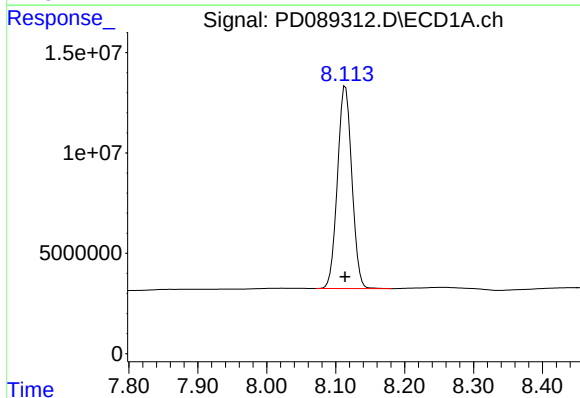
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APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



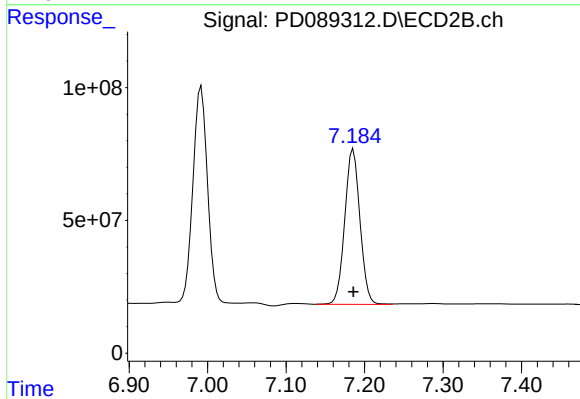
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 1054665104
Conc: 48.82 ng/ml



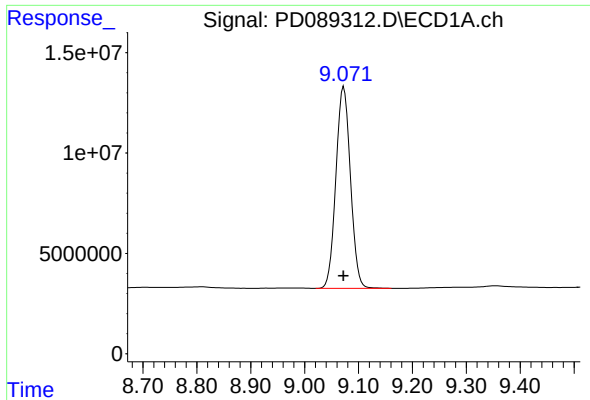
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 146128505
Conc: 48.07 ng/ml



#22 Mirex

R.T.: 7.186 min
Delta R.T.: 0.000 min
Response: 789389187
Conc: 47.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 188218843
Conc: 47.92 ng/ml

Instrument :

ECD_D

ClientSampleId :

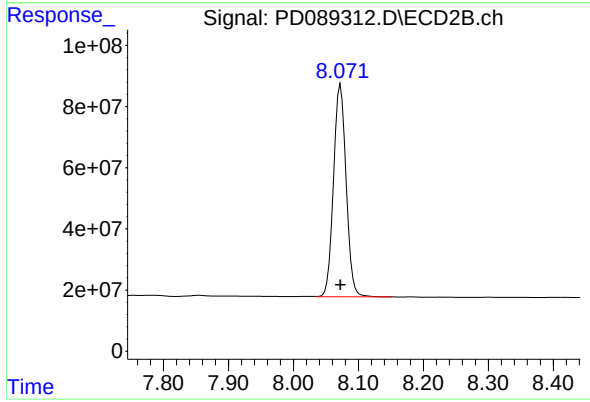
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 934169371
Conc: 47.25 ng/ml