

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
 Data File : PD089916.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 16:02
 Operator : AR\AJ
 Sample : PB169261BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169261BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:50:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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...	3.553	2.878	42469944	355.8E6	17.218	22.464 #
28)	SA Decachlor...	9.074	8.068	69612047	444.9E6	18.732	22.157
Target Compounds							
2)	A alpha-BHC	4.003	3.390	236.1E6	1388.0E6	47.660	57.106
3)	MA gamma-BHC...	4.334	3.727	224.8E6	1288.2E6	47.303	57.194
4)	MA Heptachlor	4.932	4.080	219.1E6	1265.2E6	45.534	54.512
5)	MB Aldrin	5.274	4.365	216.3E6	1276.1E6	47.387	57.349
6)	B beta-BHC	4.520	4.023	86691751	548.5E6	46.996	56.847
7)	B delta-BHC	4.767	4.259	222.7E6	1307.6E6	48.565m	57.567
8)	B Heptachlo...	5.693	4.869	193.2E6	1165.9E6	46.201	56.736
9)	A Endosulfan I	6.077	5.244	183.5E6	1110.0E6	46.297	56.780
10)	B gamma-Chl...	5.949	5.122	194.9E6	1249.9E6	46.648	57.724
11)	B alpha-Chl...	6.030	5.187	194.7E6	1195.3E6	46.306	57.407
12)	B 4,4'-DDE	6.198	5.372	172.6E6	1210.9E6	46.282	57.286
13)	MA Dieldrin	6.349	5.509	194.4E6	1233.5E6	46.030	57.003
14)	MA Endrin	6.577	5.786	154.8E6	1077.3E6	43.277	54.067
15)	B Endosulfa...	6.789	6.077	164.0E6	1066.5E6	44.695	56.728 #
16)	A 4,4'-DDD	6.708	5.926	137.8E6	1031.5E6	46.019	58.502 #
17)	MA 4,4'-DDT	7.023	6.180	142.3E6	1013.0E6	42.359	55.134 #
18)	B Endrin al...	6.917	6.256	122.6E6	791.7E6	49.132	61.273
19)	B Endosulfa...	7.152	6.479	154.4E6	1029.3E6	44.500	55.442
20)	A Methoxychlor	7.496	6.750	73173880	512.2E6	40.926	52.285 #
21)	B Endrin ke...	7.632	6.988	166.3E6	1148.8E6	44.781	57.246 #
22)	Mirex	8.115	7.181	121.9E6	853.7E6	43.716	56.085 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
Data File : PD089916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:02
Operator : AR\AJ
Sample : PB169261BS
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ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

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Manual Integrations

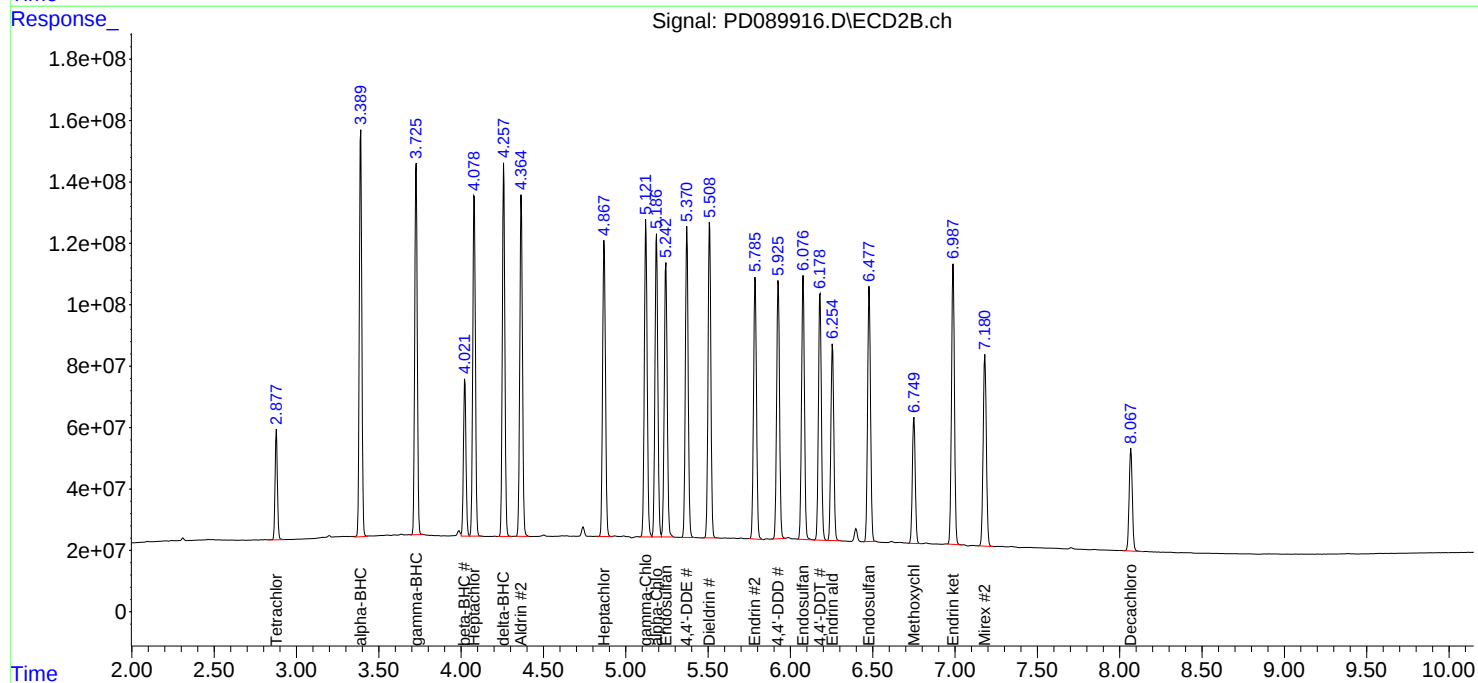
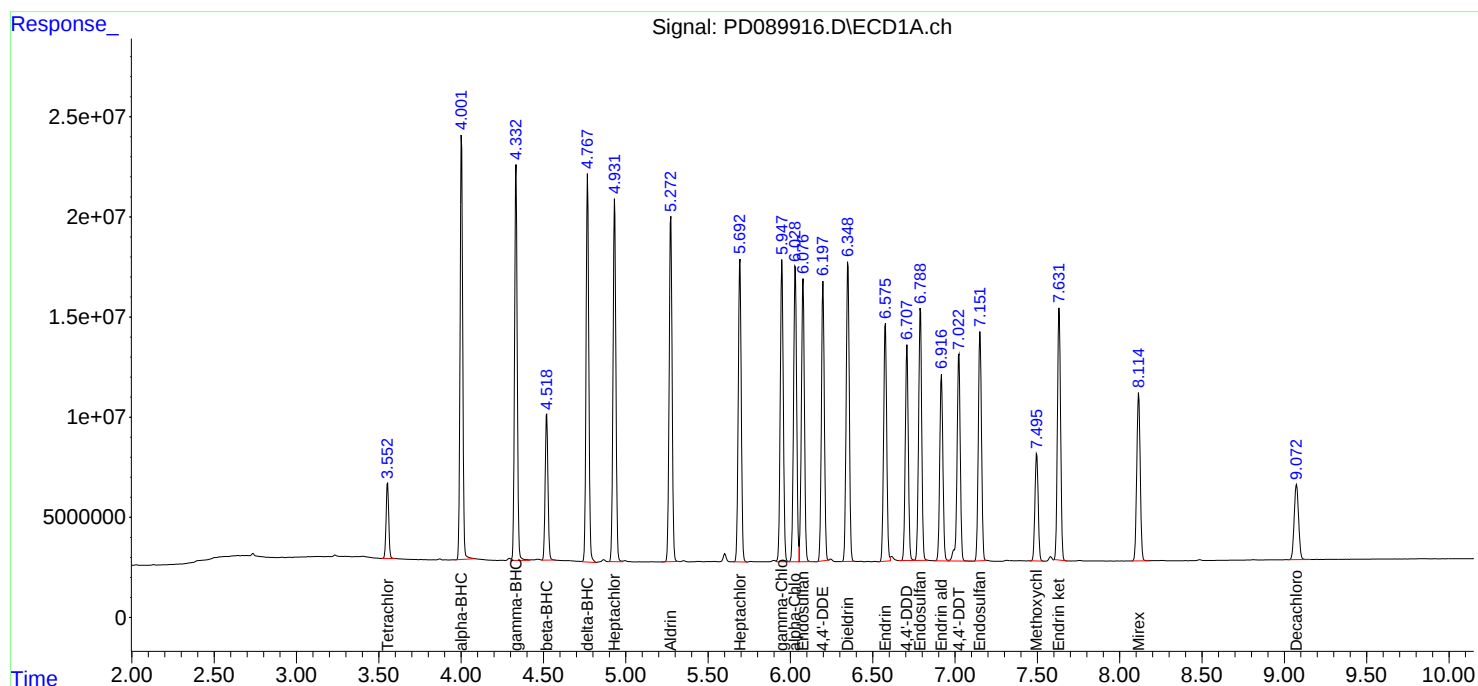
APPROVED

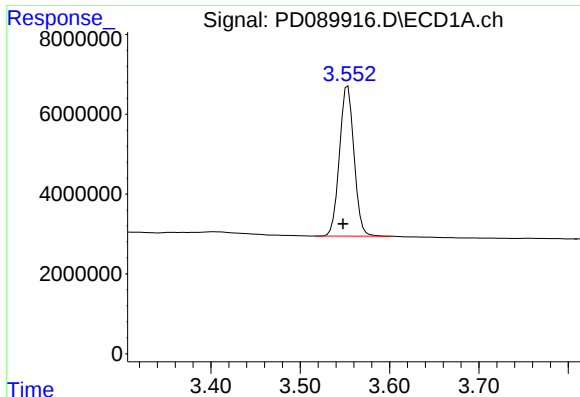
Reviewed By :Abdul Mirza 08/18/2025

Supervised By :mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:50:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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





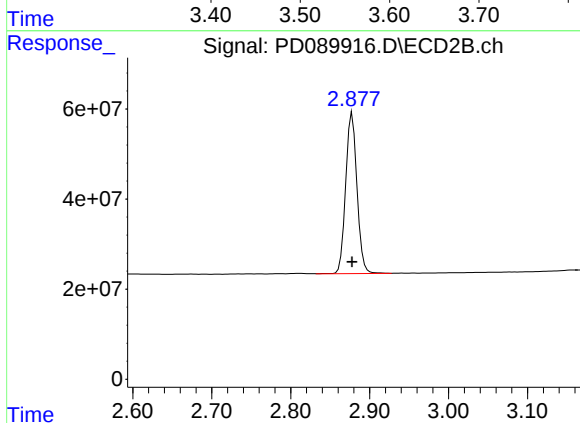
#1 Tetrachloro-m-xylene

R.T.: 3.553 min
Delta R.T.: 0.005 min
Response: 42469944
Conc: 17.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169261BS

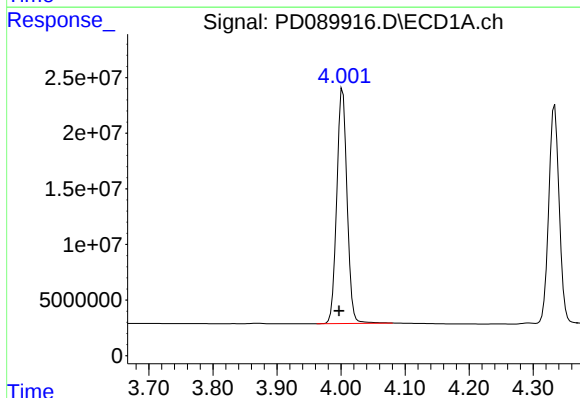
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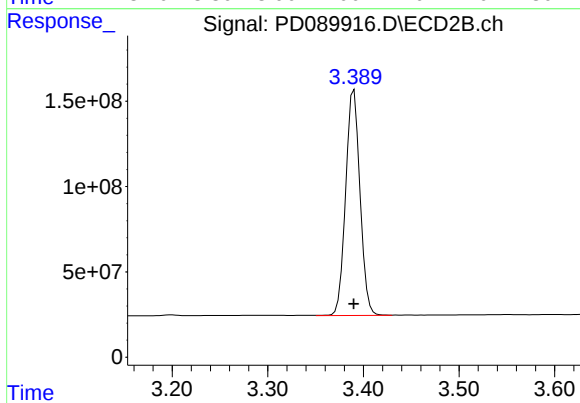
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 355785353
Conc: 22.46 ng/ml



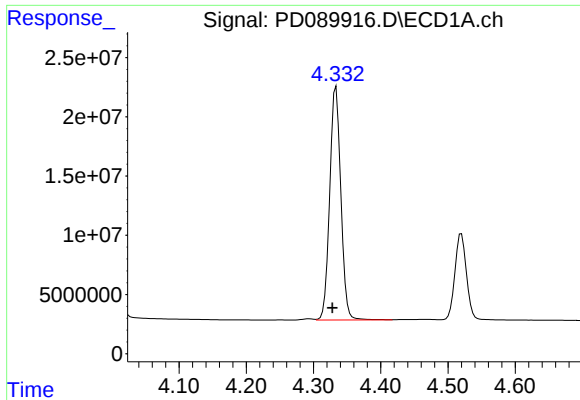
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.006 min
Response: 236082629
Conc: 47.66 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1387954175
Conc: 57.11 ng/ml



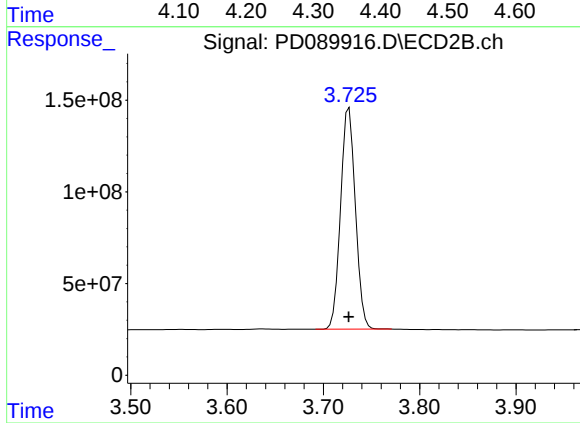
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.005 min
Response: 224801735
Conc: 47.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169261BS

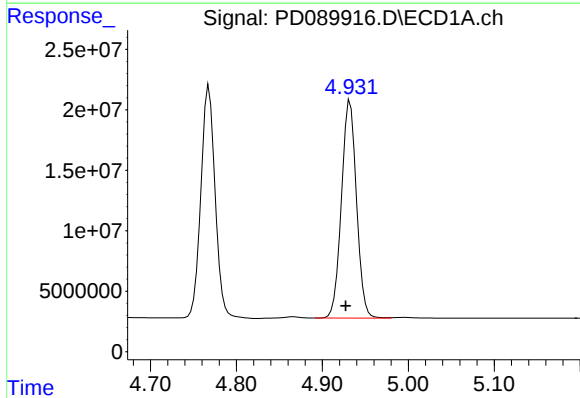
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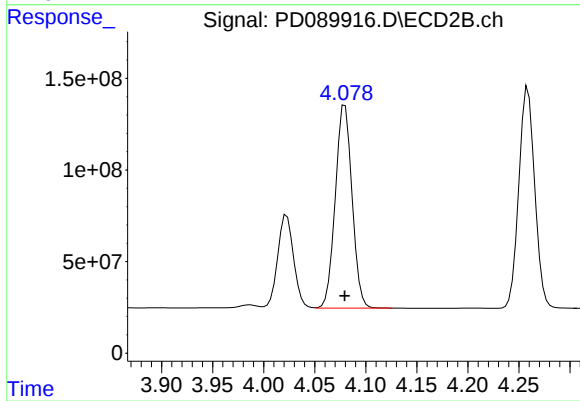
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1288243221
Conc: 57.19 ng/ml



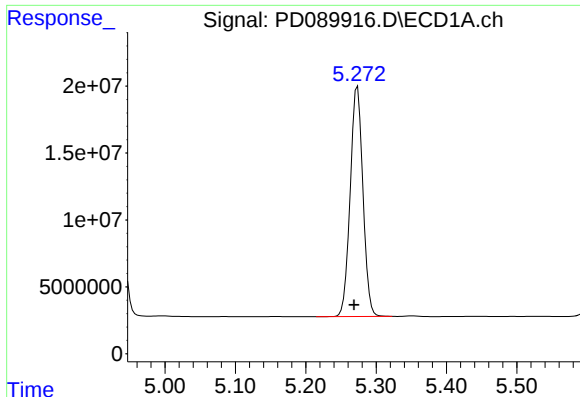
#4 Heptachlor

R.T.: 4.932 min
Delta R.T.: 0.005 min
Response: 219088438
Conc: 45.53 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1265173592
Conc: 54.51 ng/ml



#5 Aldrin

R.T.: 5.274 min
Delta R.T.: 0.005 min
Response: 216317422
Conc: 47.39 ng/ml

Instrument :

ECD_D

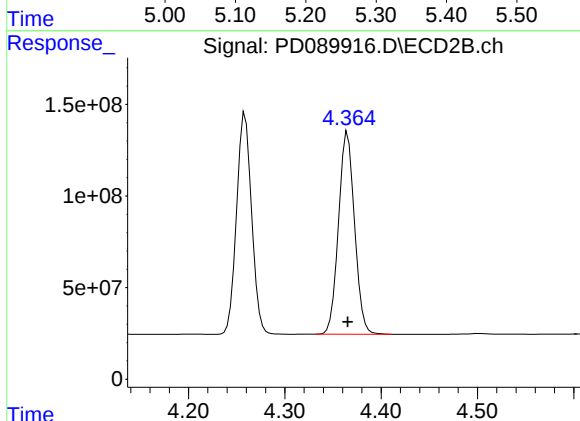
ClientSampleId :

PB169261BS

Manual Integrations

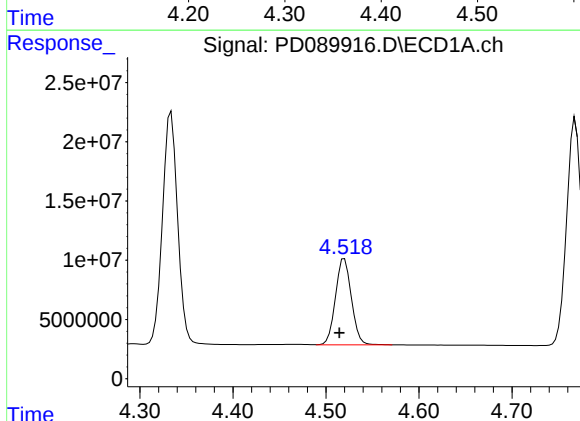
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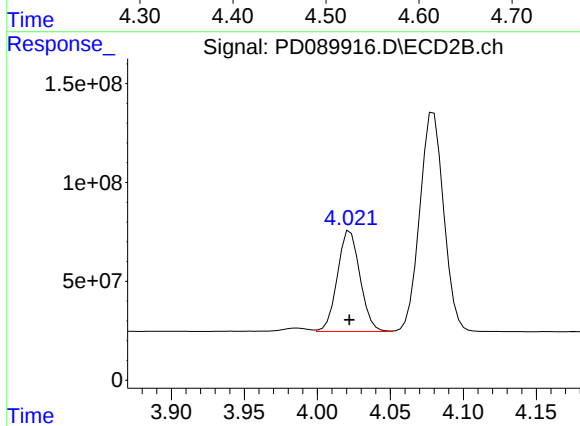
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1276053647
Conc: 57.35 ng/ml



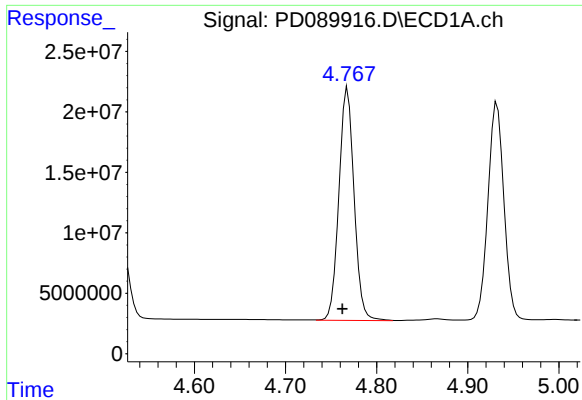
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.006 min
Response: 86691751
Conc: 47.00 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 548513436
Conc: 56.85 ng/ml



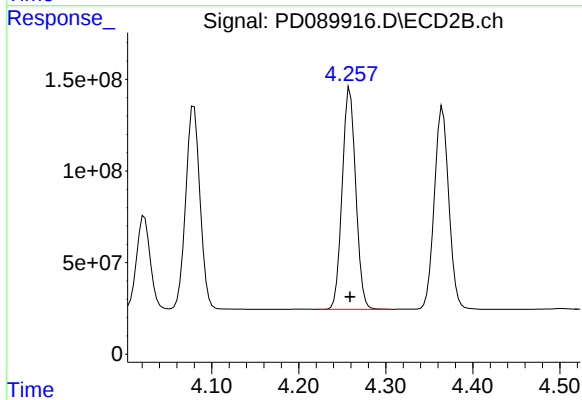
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.004 min
Response: 222728063
Conc: 48.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169261BS

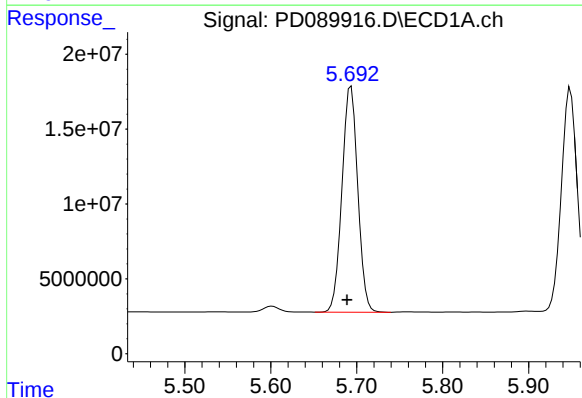
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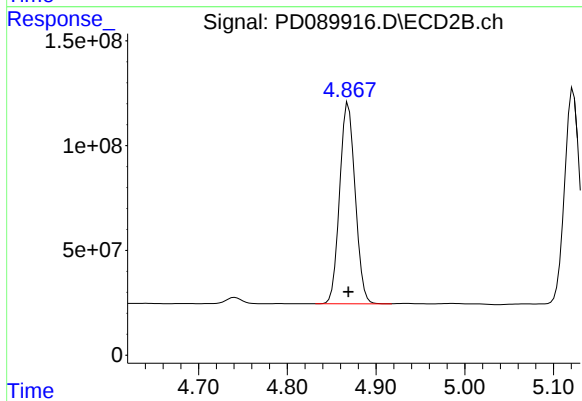
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1307646805
Conc: 57.57 ng/ml



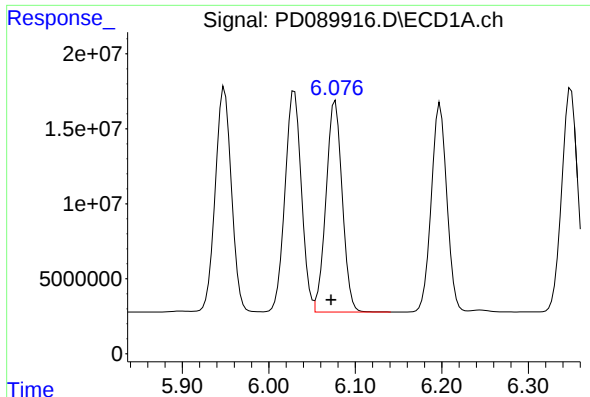
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.005 min
Response: 193152212
Conc: 46.20 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1165921557
Conc: 56.74 ng/ml



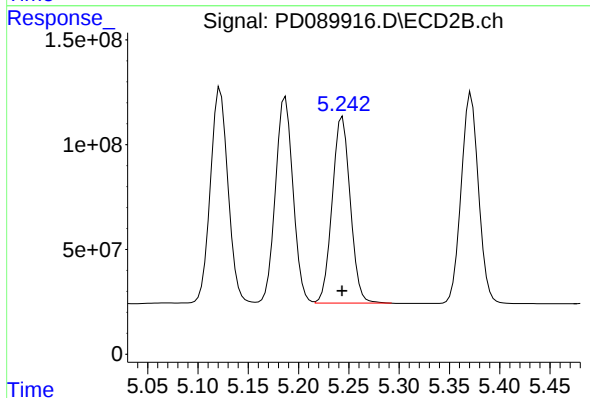
#9 Endosulfan I

R.T.: 6.077 min
Delta R.T.: 0.005 min
Response: 183504914
Conc: 46.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169261BS

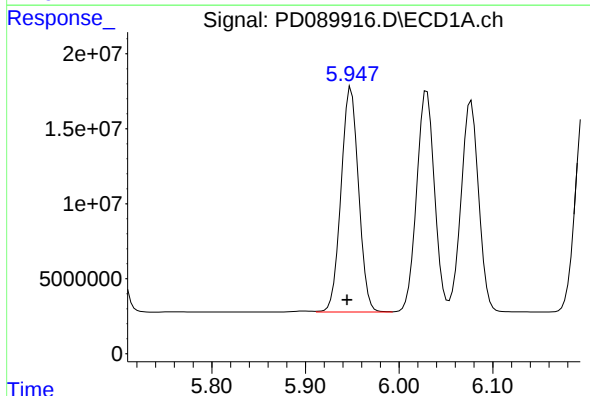
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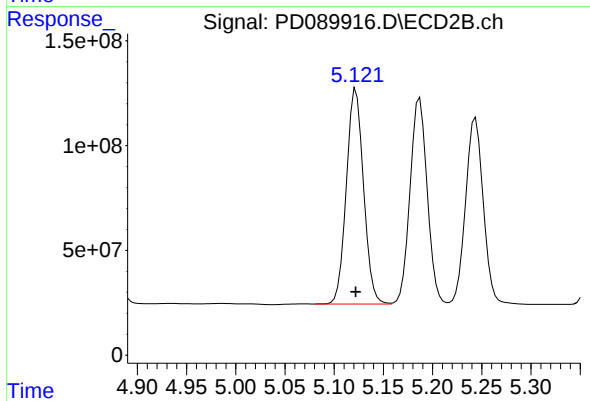
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 1109959786
Conc: 56.78 ng/ml



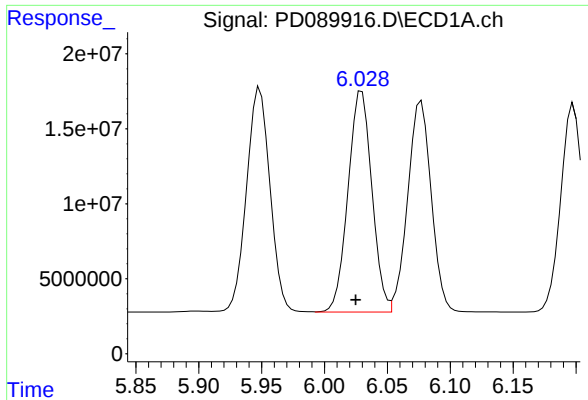
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.004 min
Response: 194945144
Conc: 46.65 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.000 min
Response: 1249912748
Conc: 57.72 ng/ml



#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.005 min
Response: 194678728
Conc: 46.31 ng/ml

Instrument :

ECD_D

ClientSampleId :

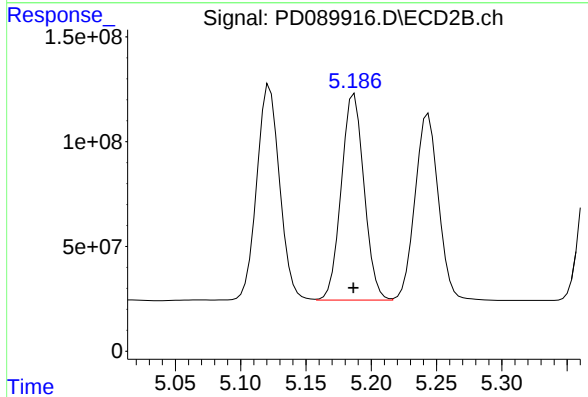
PB169261BS

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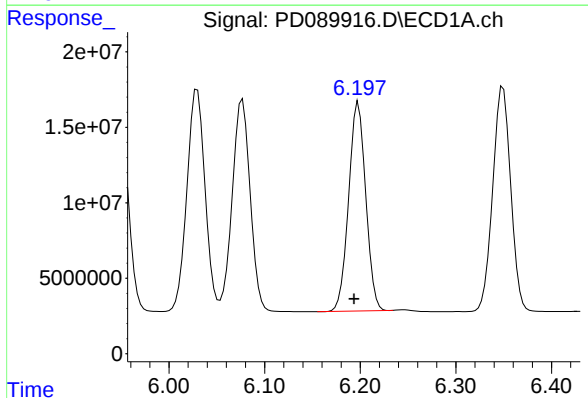
Reviewed By :Abdul Mirza 08/18/2025

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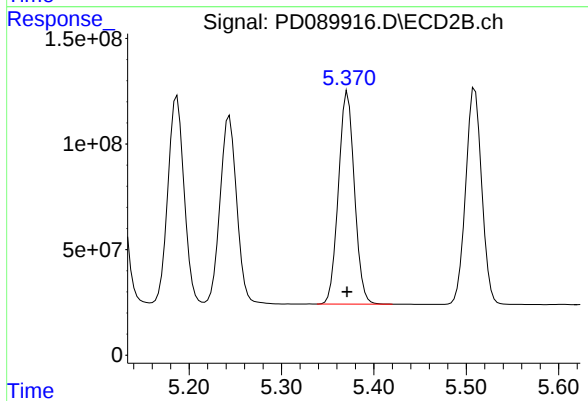
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.000 min
Response: 1195324633
Conc: 57.41 ng/ml



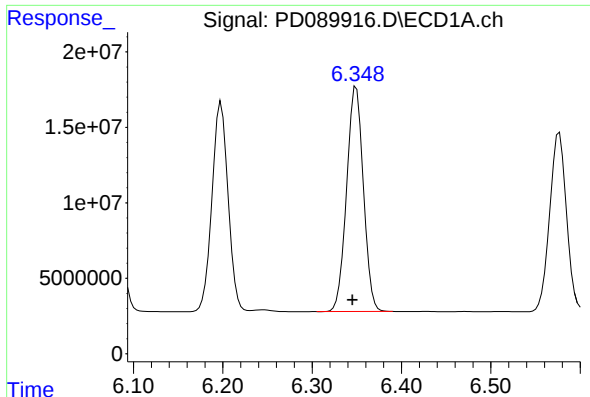
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.005 min
Response: 172619995
Conc: 46.28 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1210852908
Conc: 57.29 ng/ml



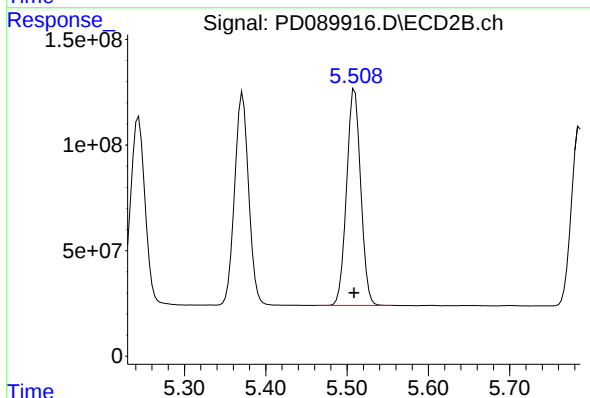
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.004 min
Response: 194403296
Conc: 46.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169261BS

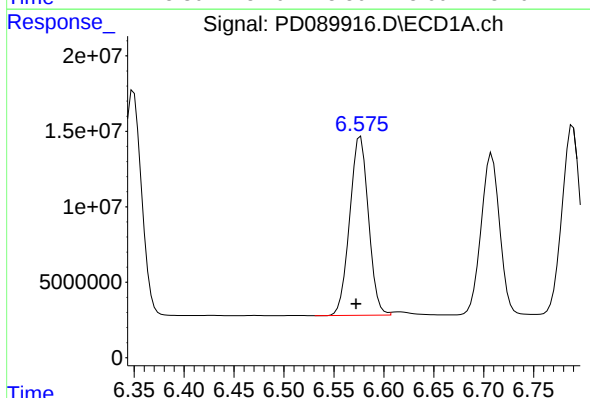
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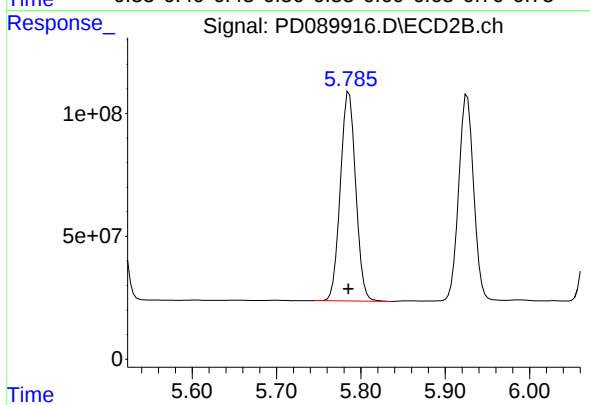
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 1233474799
Conc: 57.00 ng/ml



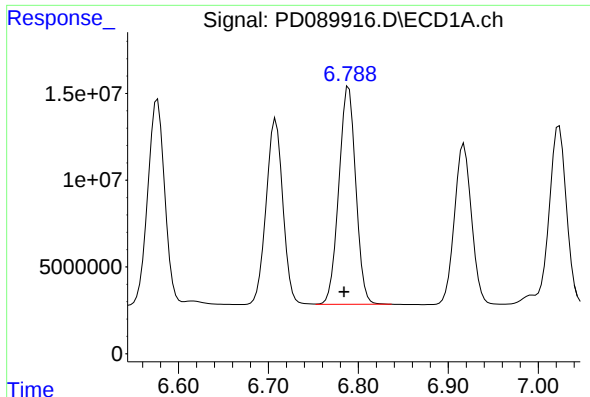
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.005 min
Response: 154832435
Conc: 43.28 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: 0.000 min
Response: 1077296429
Conc: 54.07 ng/ml



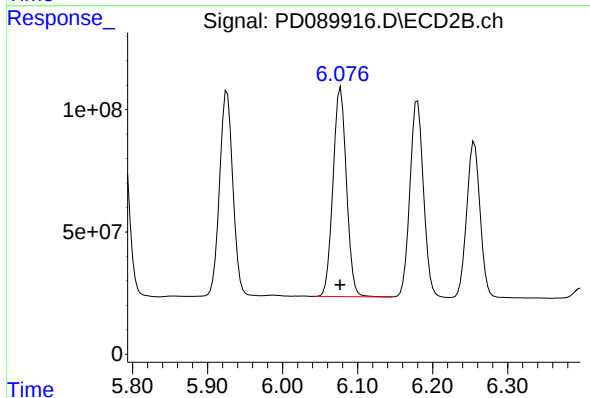
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.005 min
Response: 164004767
Conc: 44.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169261BS

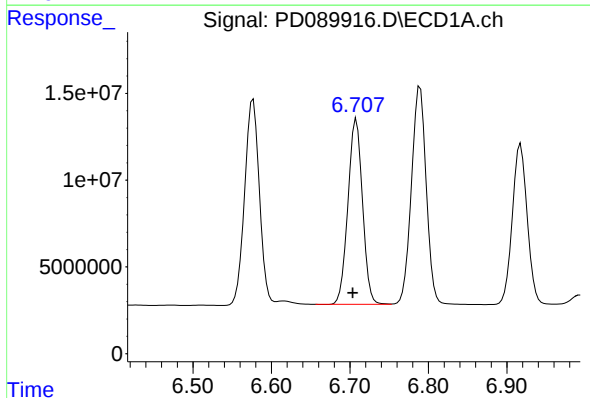
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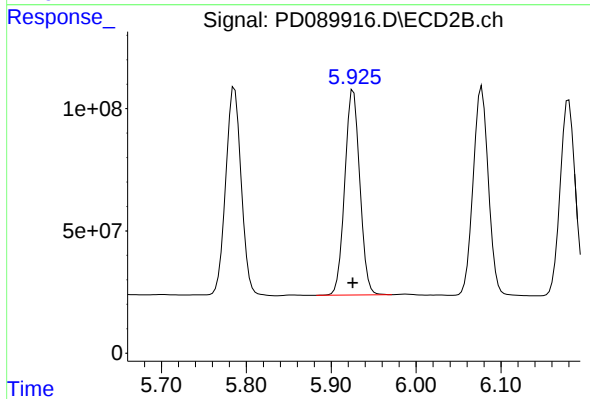
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.000 min
Response: 1066454973
Conc: 56.73 ng/ml



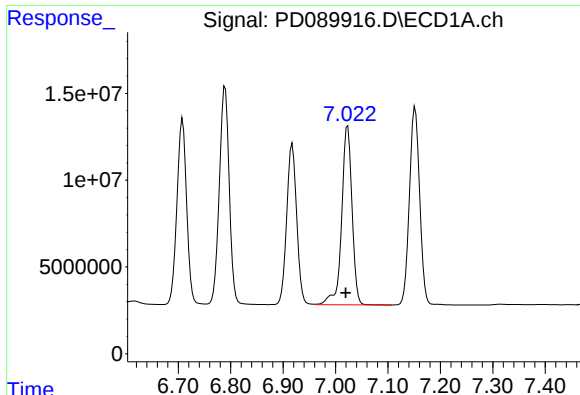
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.005 min
Response: 137820195
Conc: 46.02 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 1031541438
Conc: 58.50 ng/ml



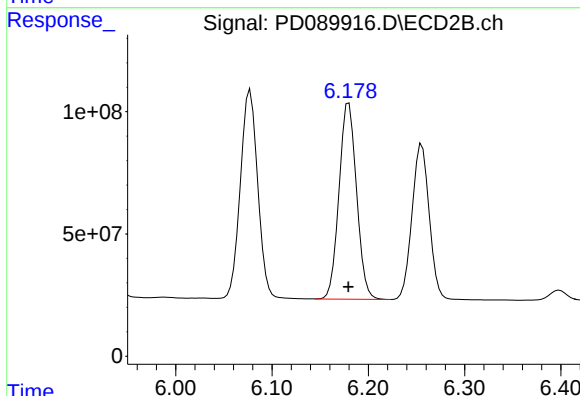
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.004 min
Response: 142337907
Conc: 42.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169261BS

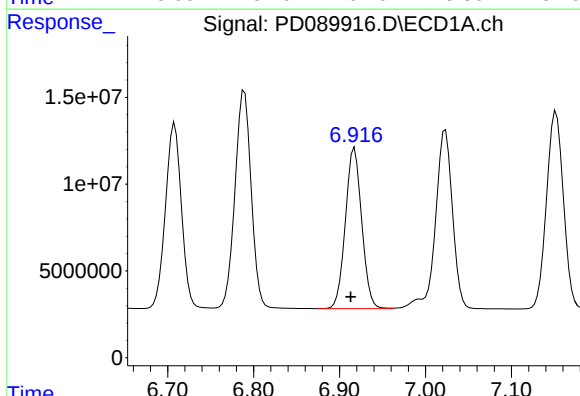
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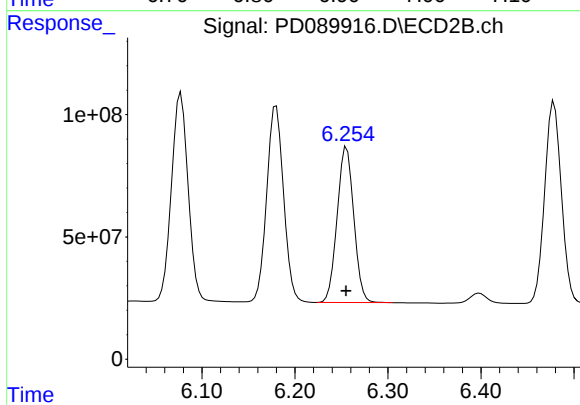
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 1012952331
Conc: 55.13 ng/ml



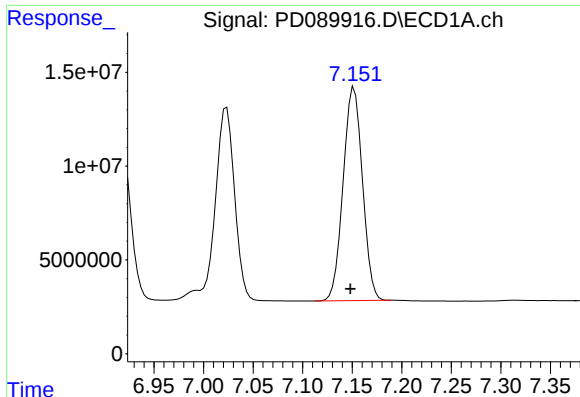
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.004 min
Response: 122611176
Conc: 49.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: 0.000 min
Response: 791667476
Conc: 61.27 ng/ml



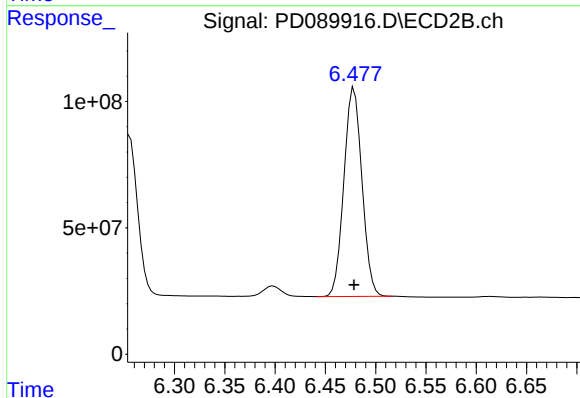
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.004 min
Response: 154417688
Conc: 44.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169261BS

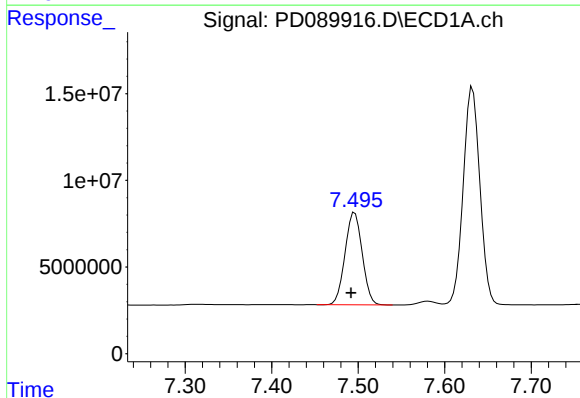
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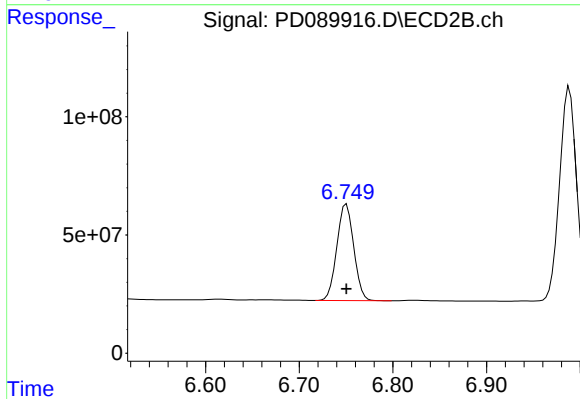
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 1029319017
Conc: 55.44 ng/ml



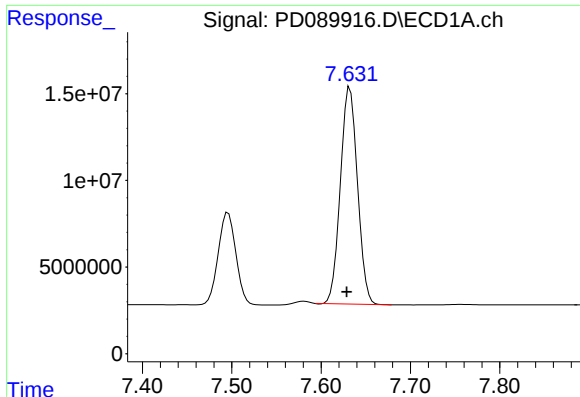
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.004 min
Response: 73173880
Conc: 40.93 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 512157384
Conc: 52.28 ng/ml



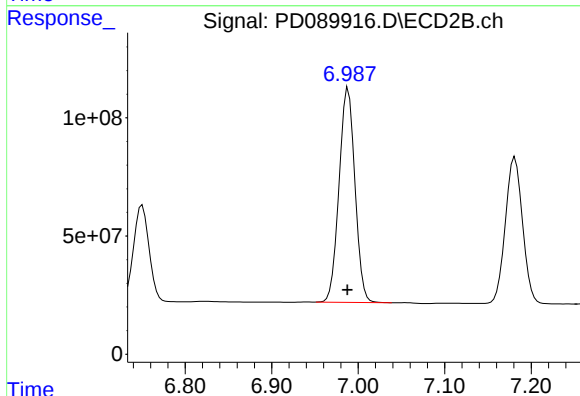
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.003 min
Response: 166324642
Conc: 44.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169261BS

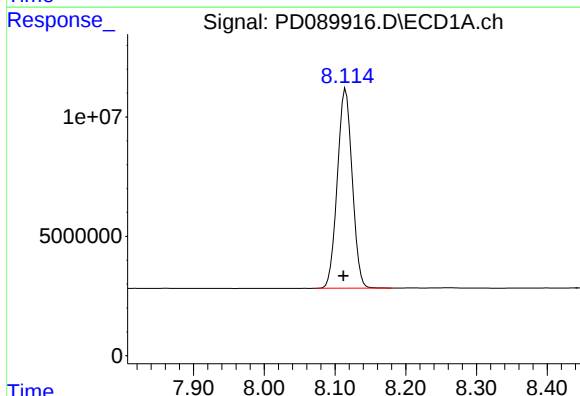
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/18/2025
Supervised By :mohammad ahmed 08/19/2025



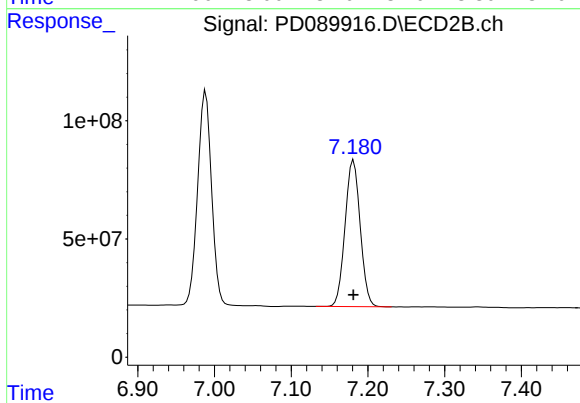
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: 0.000 min
Response: 1148823716
Conc: 57.25 ng/ml



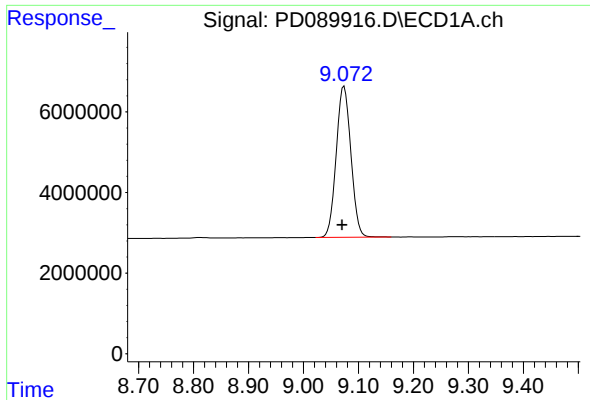
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.003 min
Response: 121893247
Conc: 43.72 ng/ml



#22 Mirex

R.T.: 7.181 min
Delta R.T.: 0.000 min
Response: 853670416
Conc: 56.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.003 min
Response: 69612047
Conc: 18.73 ng/ml

Instrument :

ECD_D

ClientSampleId :

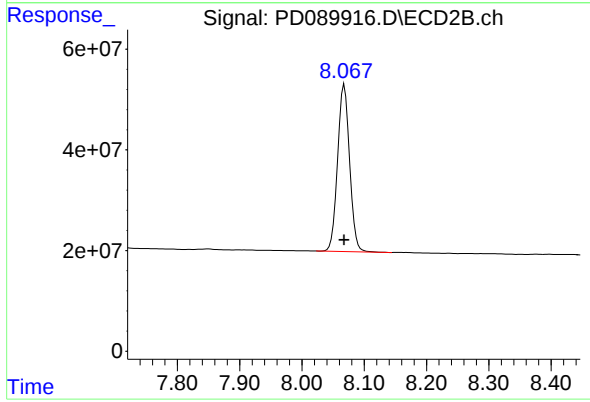
PB169261BS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 444866835
Conc: 22.16 ng/ml