

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050825\
 Data File : PL095592.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 May 2025 16:36
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/09/2025
 Supervised By : mohammad ahmed 05/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 09 02:06:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.593	2.911	145.2E6	173.2E6	44.468	54.457
28) SA Decachlor...	9.116	8.089	119.3E6	141.8E6	43.062	47.915
Target Compounds						
2) A alpha-BHC	4.044	3.421	214.8E6	264.8E6	43.365	59.521 #
3) MA gamma-BHC...	4.374	3.754	205.5E6	251.4E6	43.399m	57.161 #
4) MA Heptachlor	4.973	4.108	199.4E6	239.9E6	43.590	55.053 #
5) MB Aldrin	5.315	4.392	209.0E6	237.9E6	45.501	57.809m#
6) B beta-BHC	4.561	4.048	90496569	112.2E6	43.771	54.066
7) B delta-BHC	4.808	4.284	202.5E6	253.9E6	43.551m	57.947 #
8) B Heptachlo...	5.734	4.896	189.0E6	216.1E6	47.198m	55.954
9) A Endosulfan I	6.118	5.269	172.1E6	196.3E6	45.311m	53.626
10) B gamma-Chl...	5.988	5.147	192.2E6	223.4E6	47.120m	55.121m
11) B alpha-Chl...	6.070	5.213	188.3E6	216.8E6	46.303m	54.449
12) B 4,4'-DDE	6.238	5.398	181.5E6	222.9E6	46.290m	54.807m
13) MA Dieldrin	6.392	5.534	175.7E6	235.9E6	45.590	57.990 #
14) MA Endrin	6.618	5.809	143.2E6	203.5E6	44.962m	55.889
15) B Endosulfa...	6.830	6.099	146.2E6	201.3E6	45.785m	56.067
16) A 4,4'-DDD	6.747	5.951	133.9E6	192.5E6	47.302m	58.924
17) MA 4,4'-DDT	7.064	6.205	129.4E6	188.7E6	45.414	54.905
18) B Endrin al...	6.958	6.277	104.8E6	143.1E6	45.141m	54.765
19) B Endosulfa...	7.193	6.500	128.7E6	180.1E6	45.942	54.269
20) A Methoxychlor	7.535	6.775	61064031	99928790	43.769	52.389
21) B Endrin ke...	7.675	7.007	129.6E6	208.5E6	45.469	59.200 #
22) Mirex	8.157	7.201	105.4E6	150.2E6	44.352	52.108m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050825\
Data File : PL095592.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 16:36
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PSTDCCC050

Manual Integrations

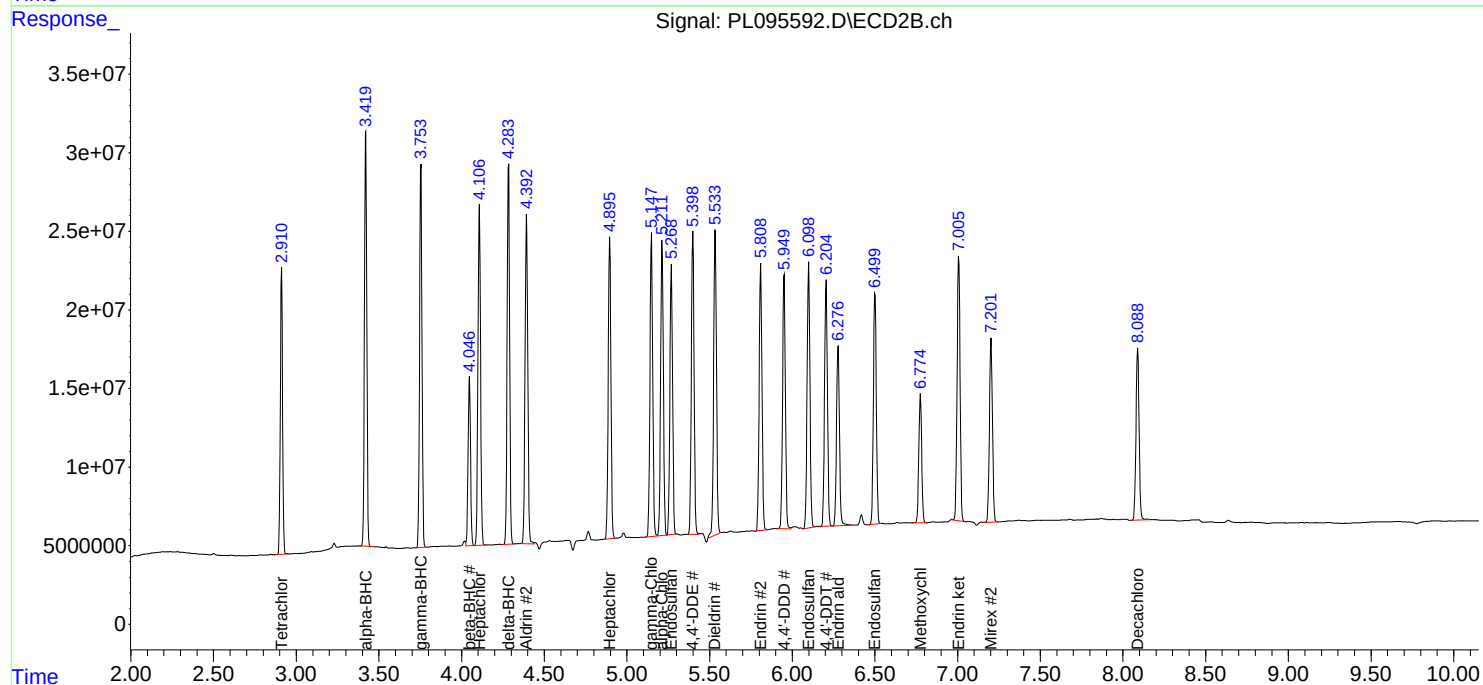
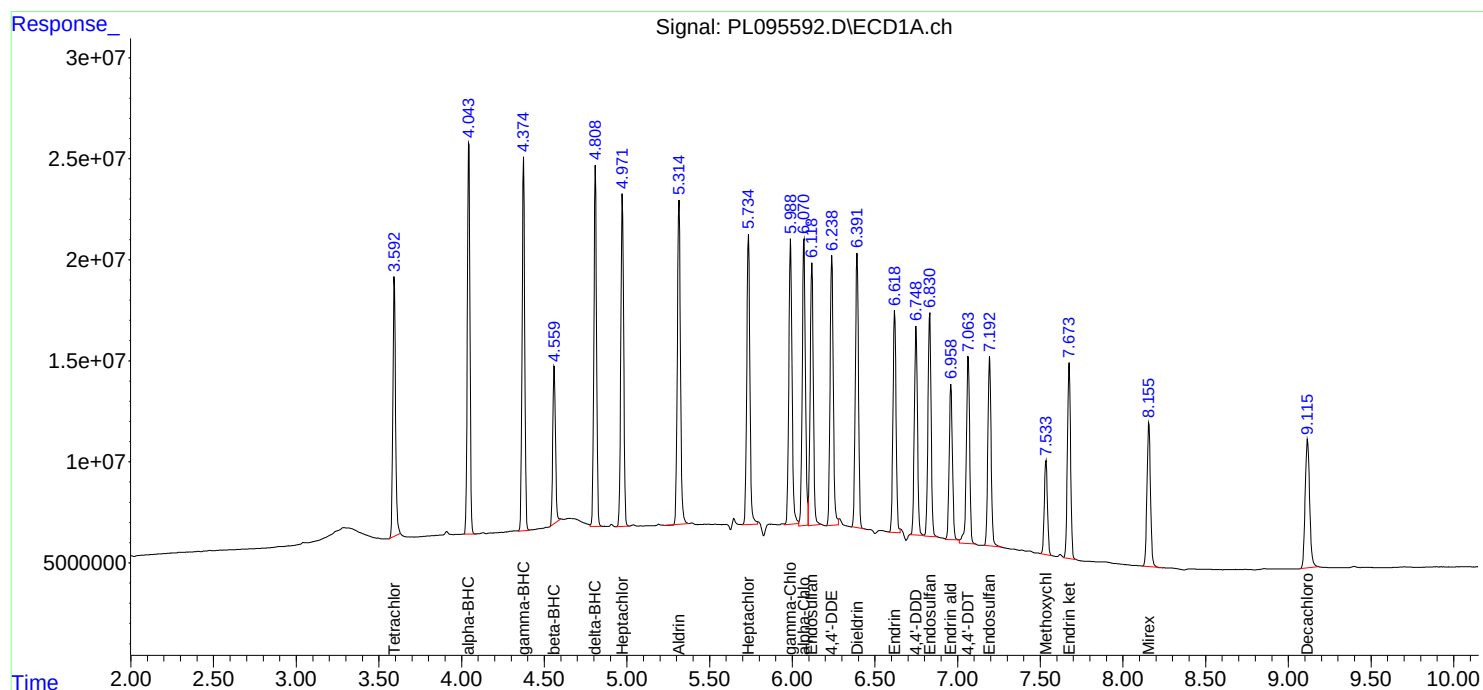
APPROVED

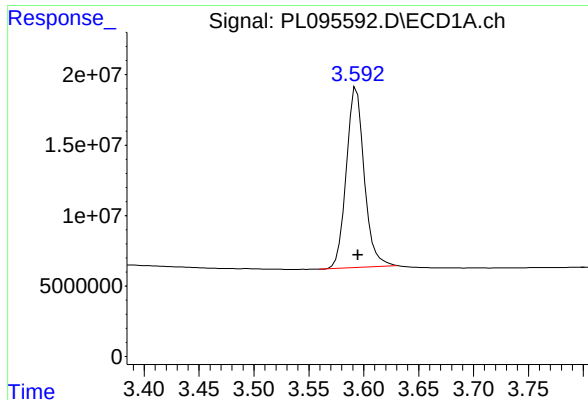
Reviewed By :Abdul Mirza 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:06:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm





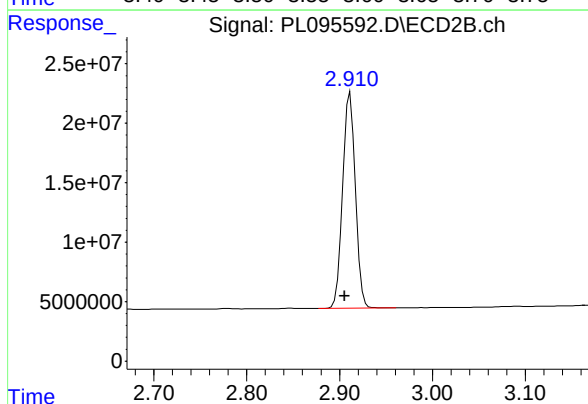
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 145172059
Conc: 44.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

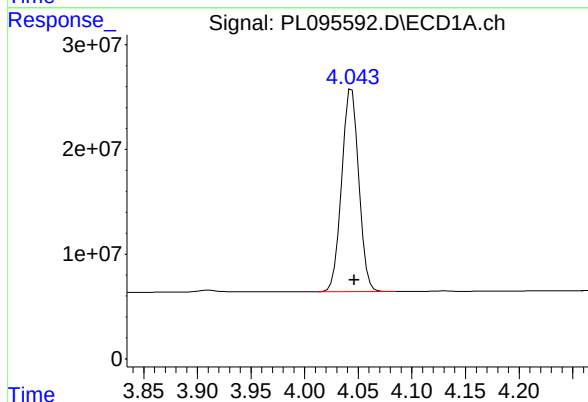
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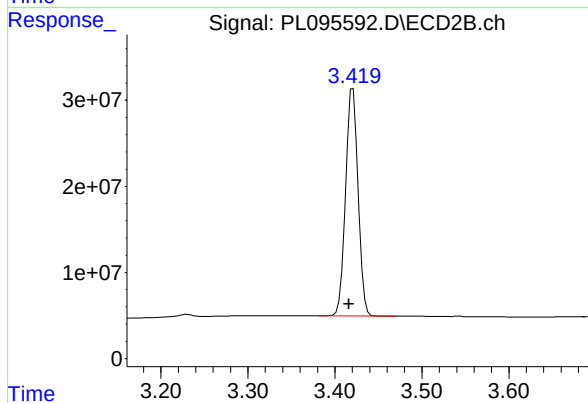
#1 Tetrachloro-m-xylene

R.T.: 2.911 min
Delta R.T.: 0.006 min
Response: 173158398
Conc: 54.46 ng/ml



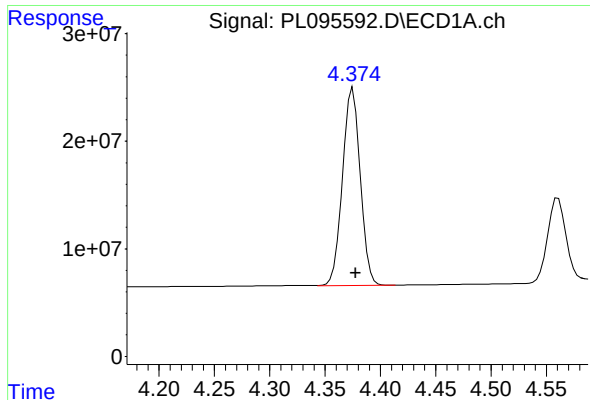
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 214818176
Conc: 43.36 ng/ml



#2 alpha-BHC

R.T.: 3.421 min
Delta R.T.: 0.005 min
Response: 264793673
Conc: 59.52 ng/ml



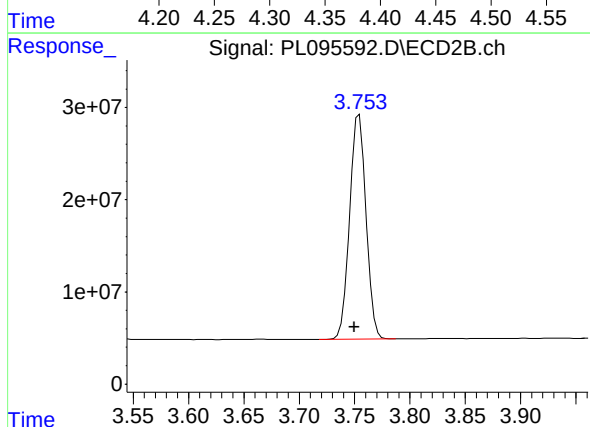
#3 gamma-BHC (Lindane)

R.T.: 4.374 min
Delta R.T.: -0.004 min
Response: 205450813
Conc: 43.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

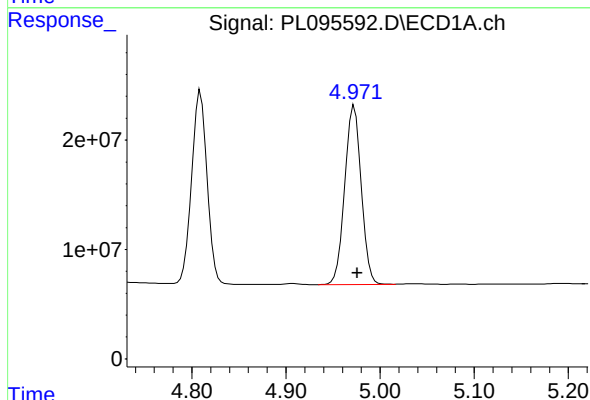
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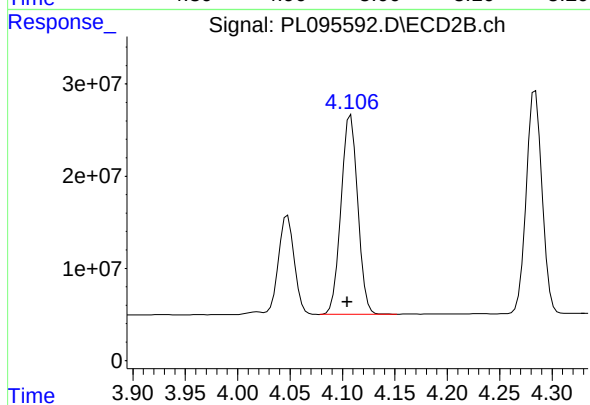
#3 gamma-BHC (Lindane)

R.T.: 3.754 min
Delta R.T.: 0.005 min
Response: 251408669
Conc: 57.16 ng/ml



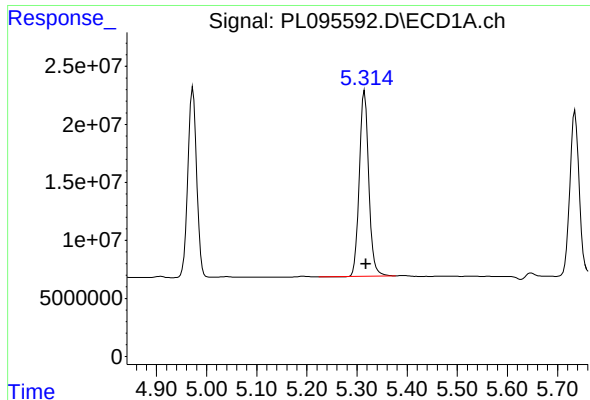
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 199399019
Conc: 43.59 ng/ml



#4 Heptachlor

R.T.: 4.108 min
Delta R.T.: 0.003 min
Response: 239850448
Conc: 55.05 ng/ml



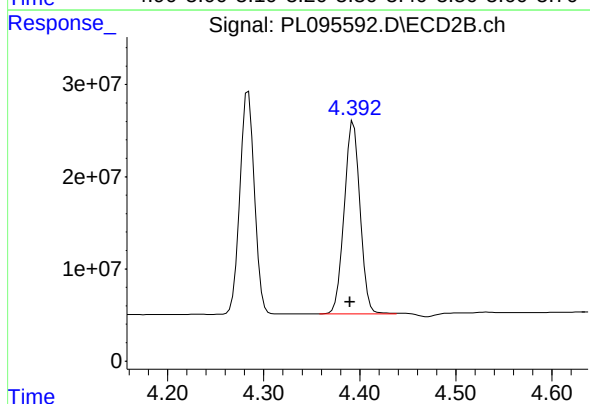
#5 Aldrin

R.T.: 5.315 min
Delta R.T.: -0.003 min
Response: 208986971
Conc: 45.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

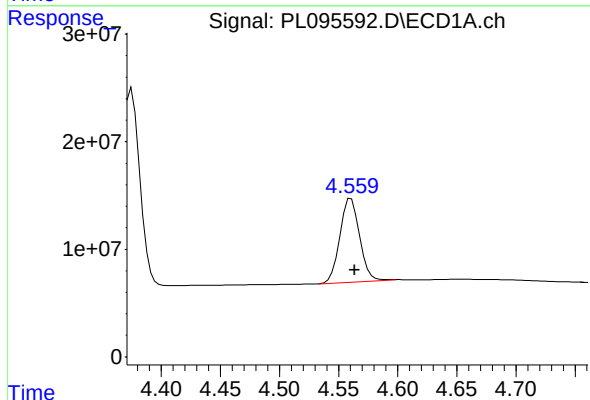
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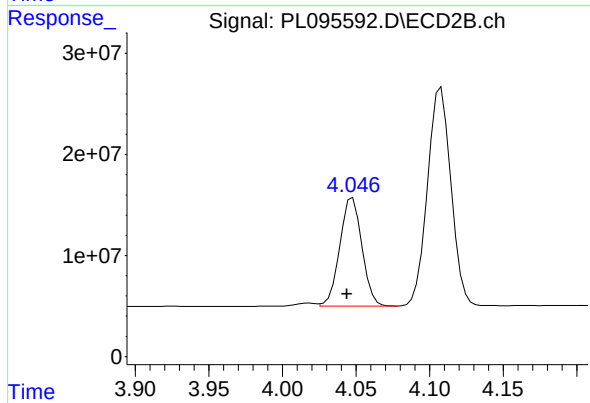
#5 Aldrin

R.T.: 4.392 min
Delta R.T.: 0.002 min
Response: 237923939
Conc: 57.81 ng/ml m



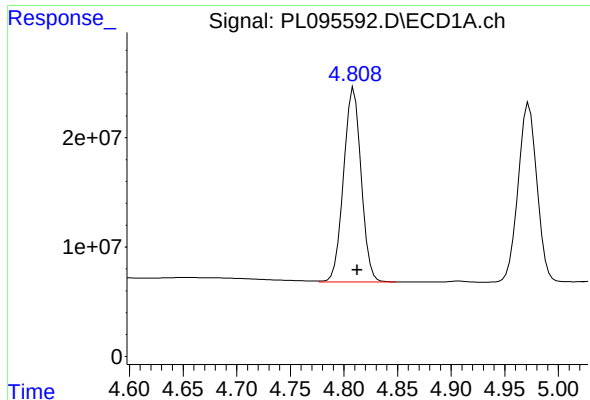
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.003 min
Response: 90496569
Conc: 43.77 ng/ml



#6 beta-BHC

R.T.: 4.048 min
Delta R.T.: 0.004 min
Response: 112233192
Conc: 54.07 ng/ml



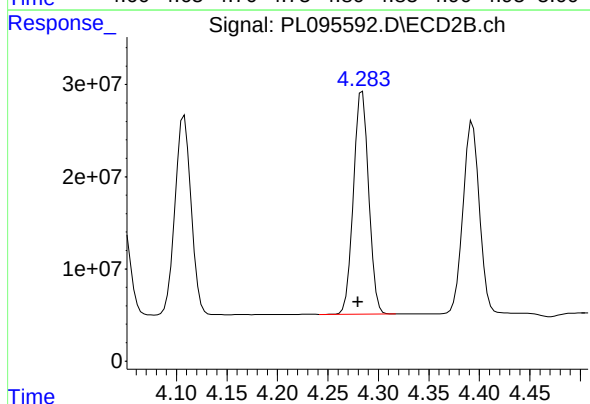
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.005 min
Response: 202540651
Conc: 43.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

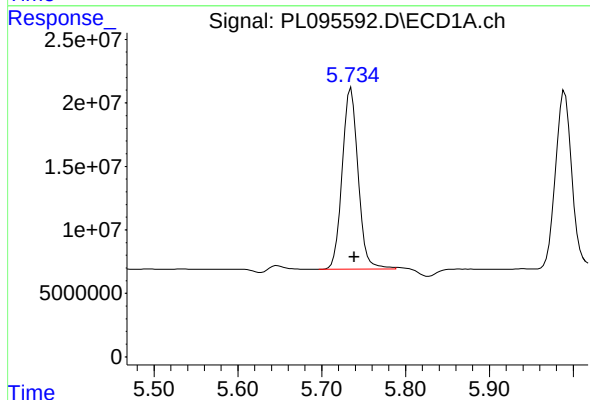
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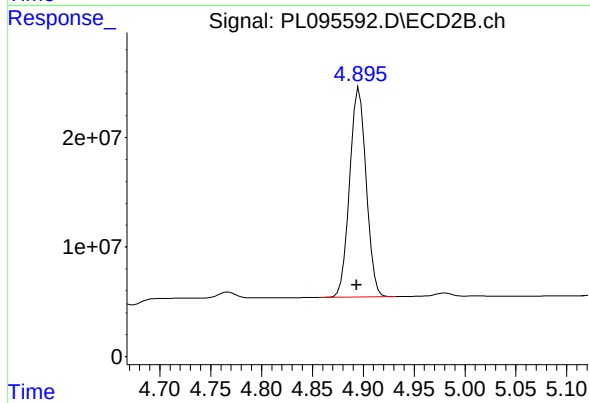
#7 delta-BHC

R.T.: 4.284 min
Delta R.T.: 0.004 min
Response: 253920105
Conc: 57.95 ng/ml



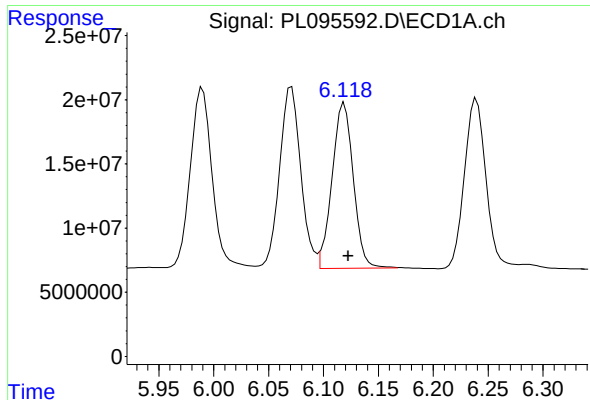
#8 Heptachlor epoxide

R.T.: 5.734 min
Delta R.T.: -0.005 min
Response: 189033168
Conc: 47.20 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.896 min
Delta R.T.: 0.003 min
Response: 216131069
Conc: 55.95 ng/ml



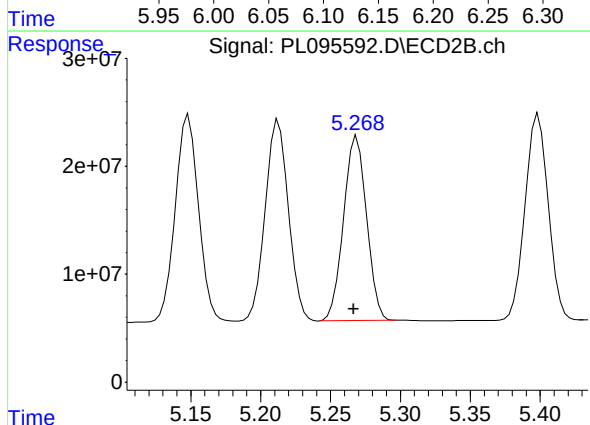
#9 Endosulfan I

R.T.: 6.118 min
Delta R.T.: -0.005 min
Response: 172067903
Conc: 45.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

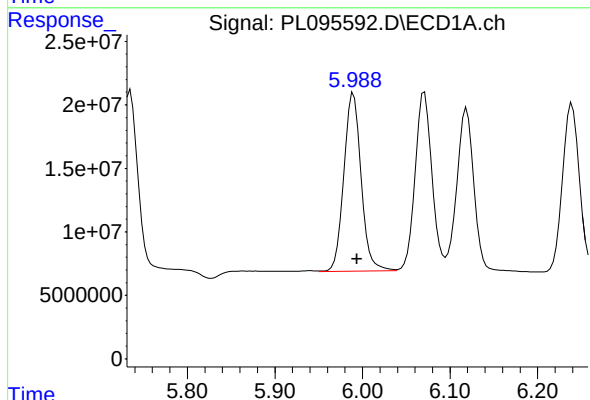
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Supervised By :mohammad ahmed 05/12/2025



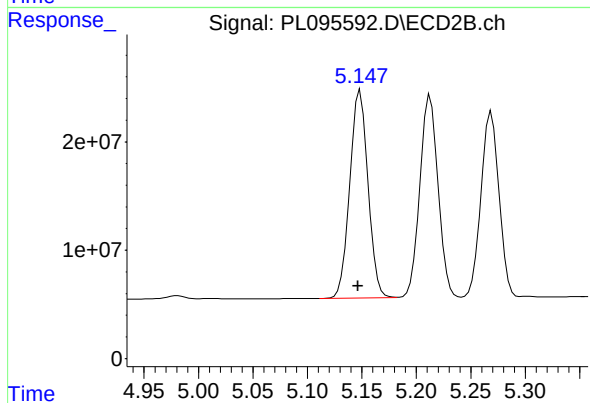
#9 Endosulfan I

R.T.: 5.269 min
Delta R.T.: 0.002 min
Response: 196292995
Conc: 53.63 ng/ml



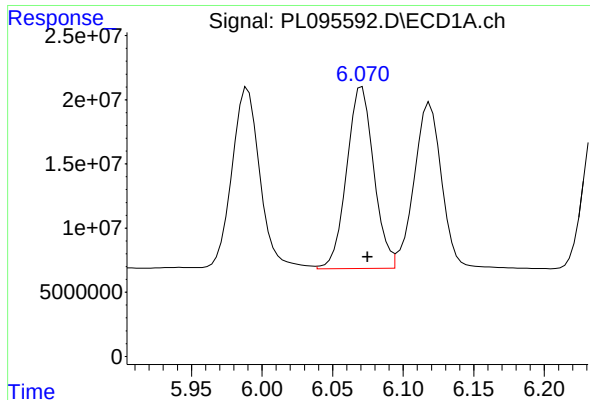
#10 gamma-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.005 min
Response: 192219786
Conc: 47.12 ng/ml m



#10 gamma-Chlordane

R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 223385818
Conc: 55.12 ng/ml m



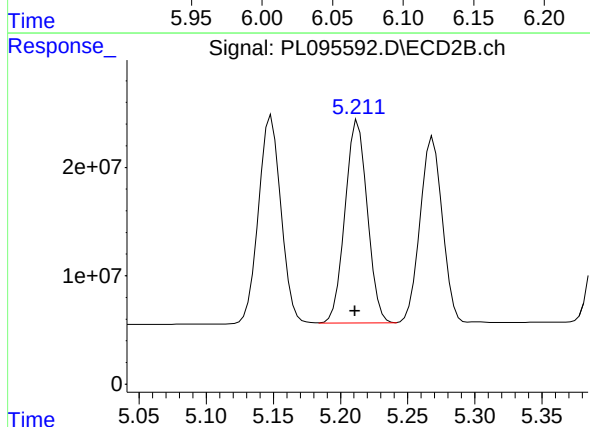
#11 alpha-Chlordane

R.T.: 6.070 min
Delta R.T.: -0.005 min
Response: 188274270
Conc: 46.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

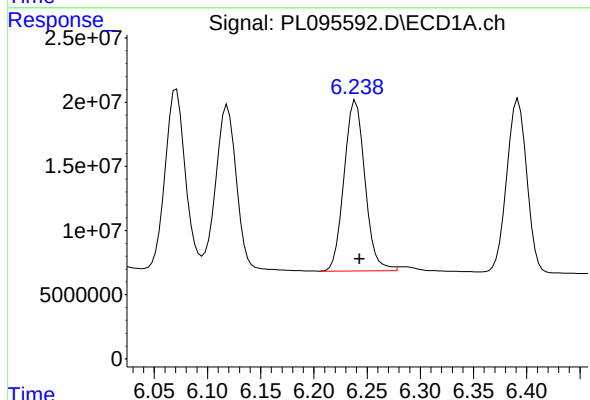
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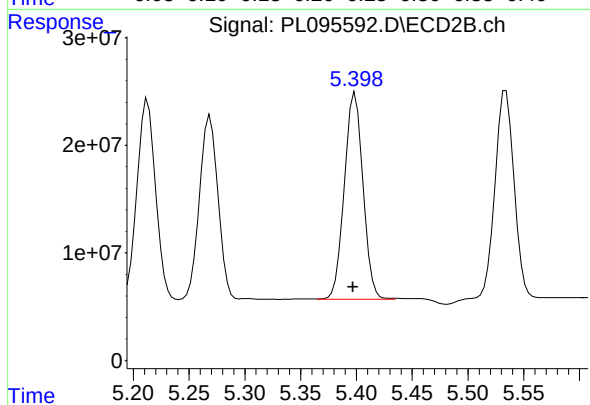
#11 alpha-Chlordane

R.T.: 5.213 min
Delta R.T.: 0.002 min
Response: 216766022
Conc: 54.45 ng/ml



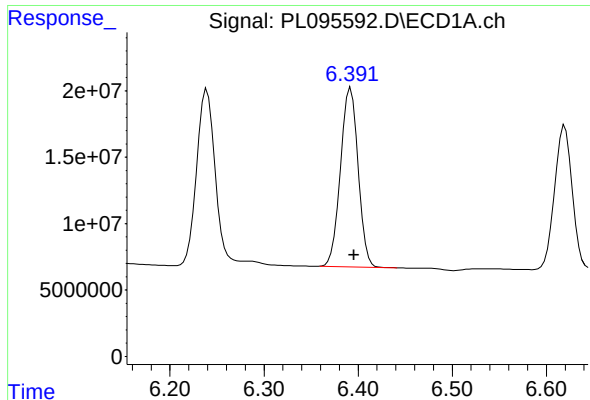
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 181480457
Conc: 46.29 ng/ml m



#12 4,4'-DDE

R.T.: 5.398 min
Delta R.T.: 0.000 min
Response: 222897584
Conc: 54.81 ng/ml m



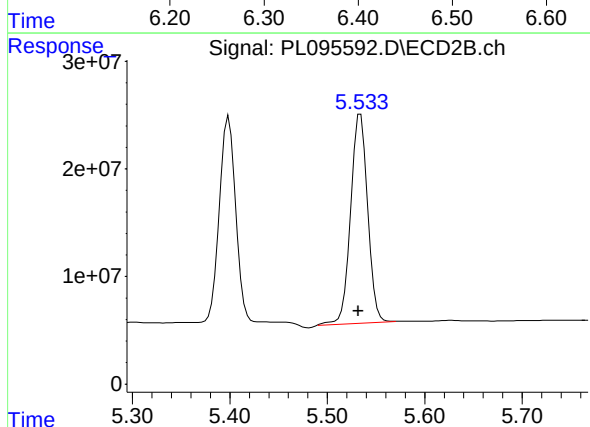
#13 Dieldrin

R.T.: 6.392 min
Delta R.T.: -0.003 min
Response: 175742070
Conc: 45.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

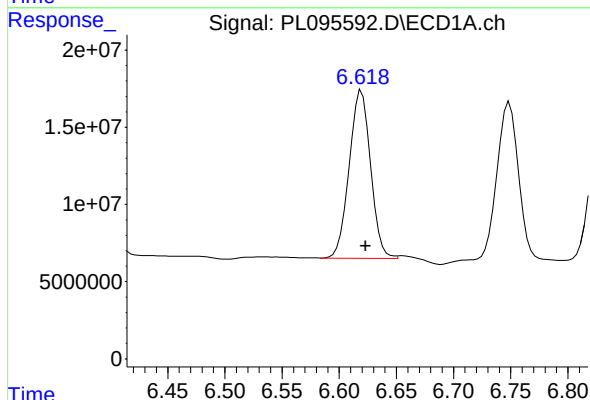
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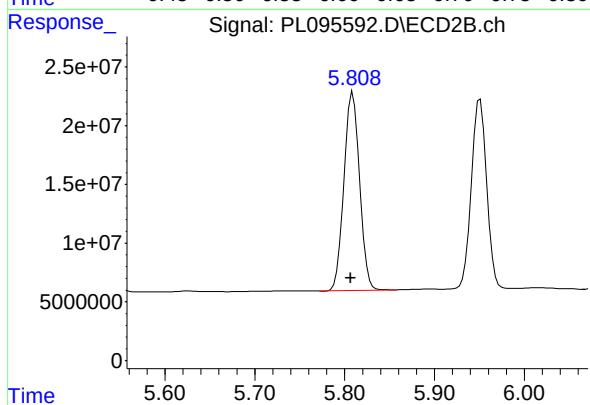
#13 Dieldrin

R.T.: 5.534 min
Delta R.T.: 0.002 min
Response: 235852125
Conc: 57.99 ng/ml



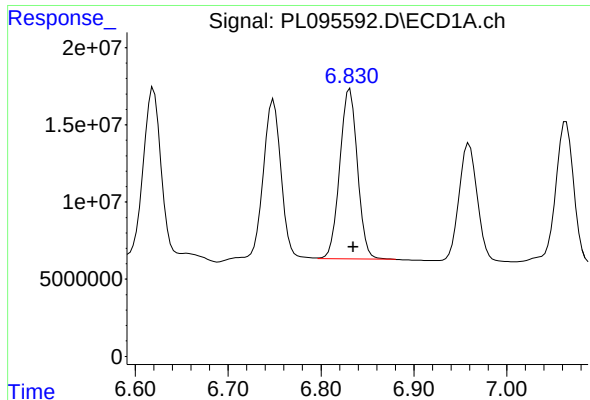
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.005 min
Response: 143191742
Conc: 44.96 ng/ml m



#14 Endrin

R.T.: 5.809 min
Delta R.T.: 0.002 min
Response: 203477758
Conc: 55.89 ng/ml



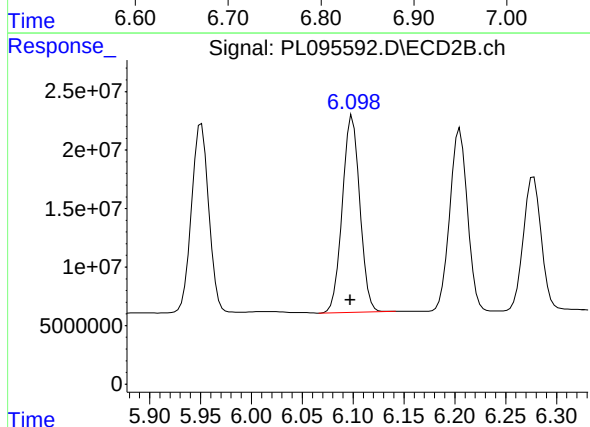
#15 Endosulfan II

R.T.: 6.830 min
Delta R.T.: -0.005 min
Response: 146153803
Conc: 45.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

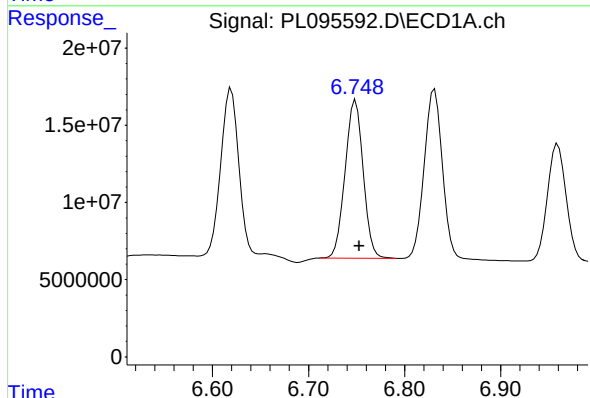
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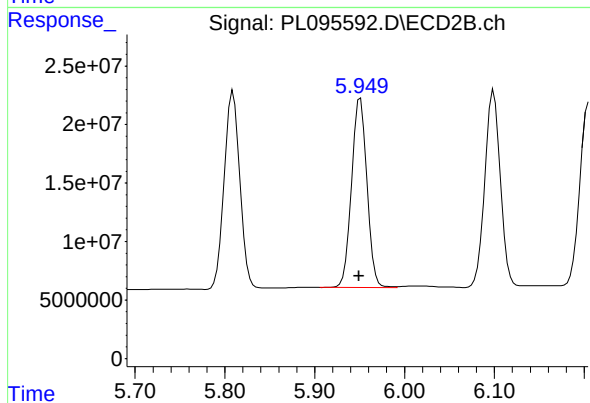
#15 Endosulfan II

R.T.: 6.099 min
Delta R.T.: 0.002 min
Response: 201343454
Conc: 56.07 ng/ml



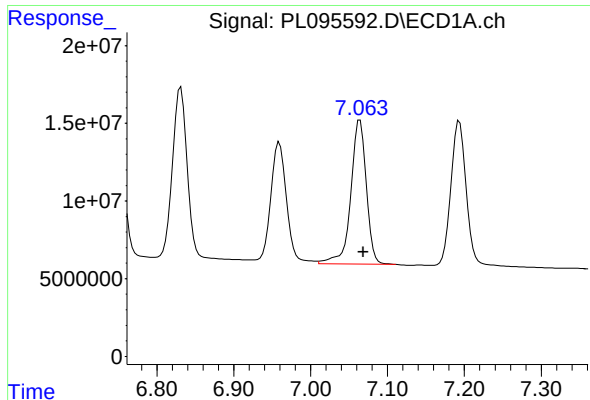
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.005 min
Response: 133909184
Conc: 47.30 ng/ml m



#16 4,4'-DDD

R.T.: 5.951 min
Delta R.T.: 0.002 min
Response: 192491279
Conc: 58.92 ng/ml



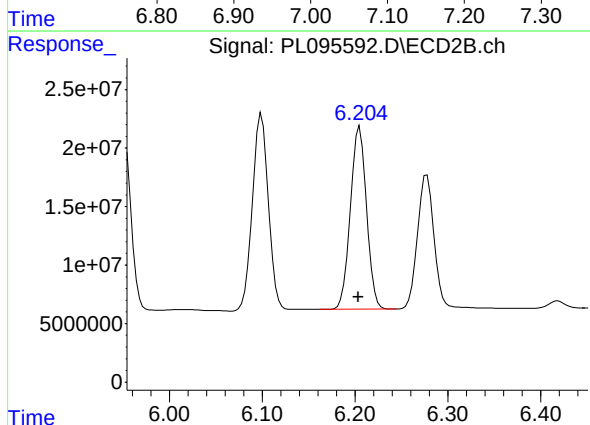
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 129366500
Conc: 45.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

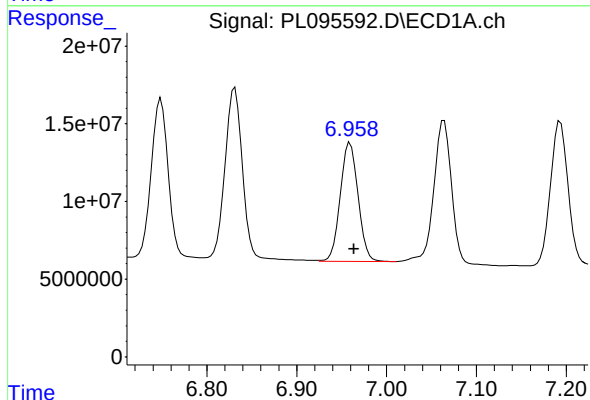
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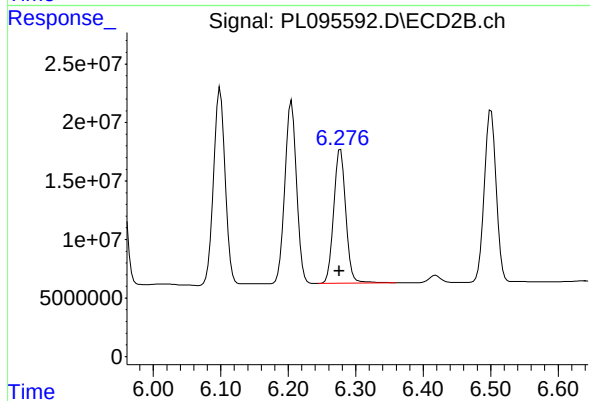
#17 4,4'-DDT

R.T.: 6.205 min
Delta R.T.: 0.001 min
Response: 188663626
Conc: 54.91 ng/ml



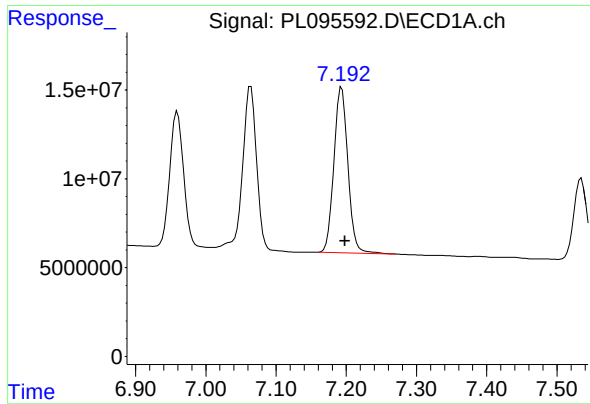
#18 Endrin aldehyde

R.T.: 6.958 min
Delta R.T.: -0.006 min
Response: 104763756
Conc: 45.14 ng/ml m



#18 Endrin aldehyde

R.T.: 6.277 min
Delta R.T.: 0.002 min
Response: 143108945
Conc: 54.76 ng/ml



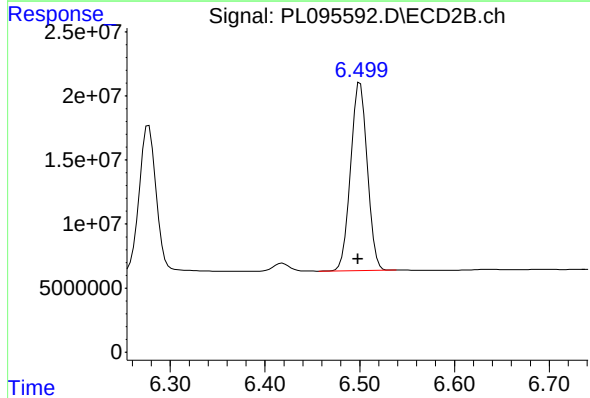
#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 128721053
Conc: 45.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

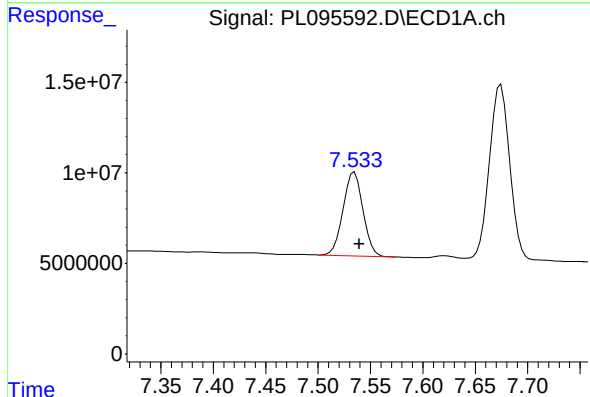
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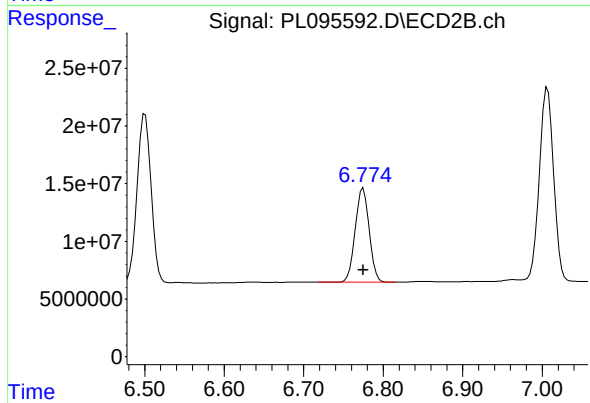
#19 Endosulfan Sulfate

R.T.: 6.500 min
Delta R.T.: 0.002 min
Response: 180059631
Conc: 54.27 ng/ml



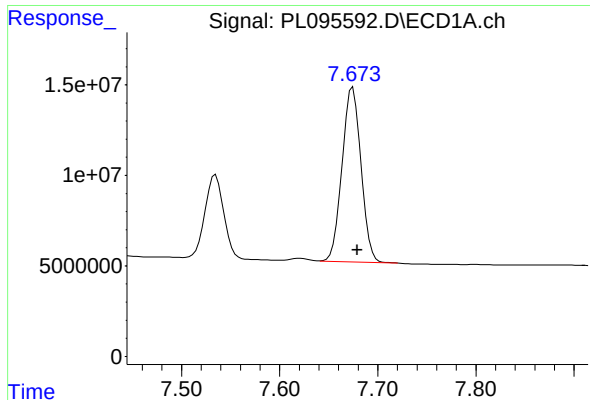
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.005 min
Response: 61064031
Conc: 43.77 ng/ml



#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.000 min
Response: 99928790
Conc: 52.39 ng/ml



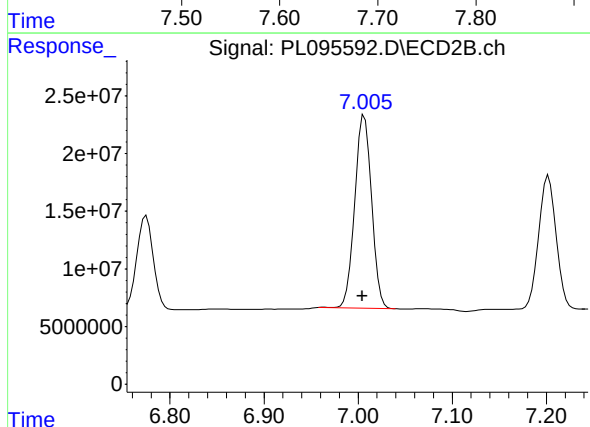
#21 Endrin ketone

R.T.: 7.675 min
Delta R.T.: -0.005 min
Response: 129627878
Conc: 45.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

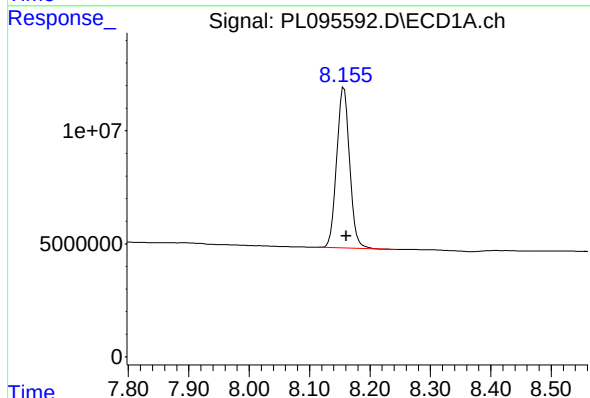
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Reviewed By :Abdul Mirza 05/09/2025
Supervised By :mohammad ahmed 05/12/2025



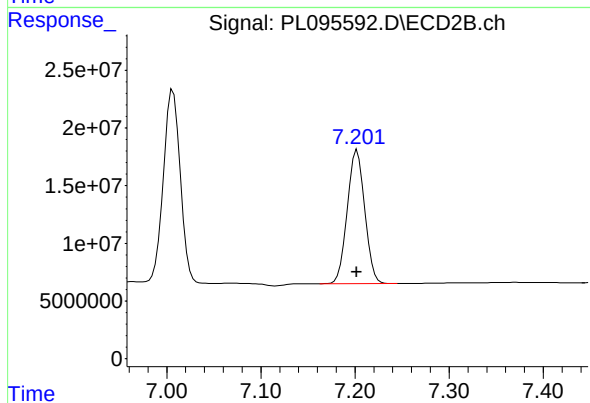
#21 Endrin ketone

R.T.: 7.007 min
Delta R.T.: 0.002 min
Response: 208462158
Conc: 59.20 ng/ml



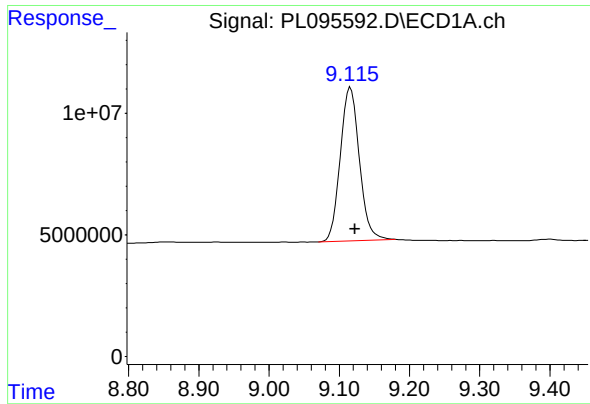
#22 Mirex

R.T.: 8.157 min
Delta R.T.: -0.004 min
Response: 105383272
Conc: 44.35 ng/ml



#22 Mirex

R.T.: 7.201 min
Delta R.T.: 0.000 min
Response: 150195115
Conc: 52.11 ng/ml m



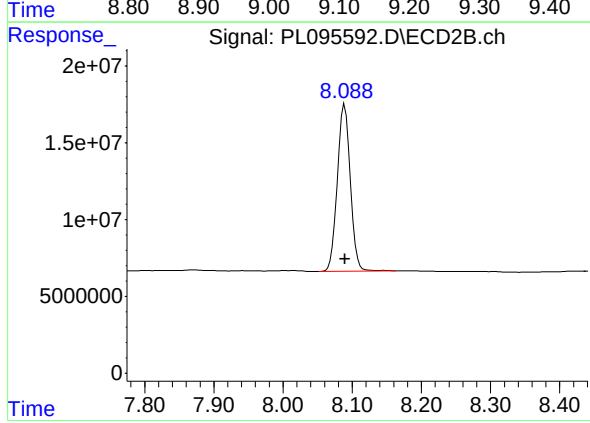
#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: -0.006 min
Response: 119316590
Conc: 43.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/09/2025
Supervised By :mohammad ahmed 05/12/2025



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 141792613
Conc: 47.91 ng/ml