

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101125\
 Data File : PD090553.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2025 16:34
 Operator : AR\AJ
 Sample : PB170043BSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170043BSD

Manual Integrations
 APPROVED

Reviewed By : Abdul
 Mirza
 10/10/2025

Supervised By : mohammad
 ahmed
 10/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 08:24:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.545	2.875	54217364	489.4E6	16.680	17.830
28)	SA Decachlor...	9.061	8.059	87381711	595.3E6	18.110	18.365
Target Compounds							
2)	A alpha-BHC	3.994	3.387	318.1E6	2061.3E6	45.540	47.081
3)	MA gamma-BHC...	4.325	3.723	301.2E6	1910.0E6	45.519	46.889
4)	MA Heptachlor	4.922	4.074	303.6E6	1895.1E6	45.917	46.543
5)	MB Aldrin	5.263	4.360	291.7E6	1879.1E6	45.942	47.053
6)	B beta-BHC	4.511	4.018	114.7E6	813.7E6	44.462	46.938
7)	B delta-BHC	4.758	4.255	306.4E6	1947.4E6	47.450m	47.159
8)	B Heptachlo...	5.684	4.863	264.3E6	1729.9E6	46.245	46.925
9)	A Endosulfan I	6.065	5.237	248.5E6	1568.3E6	46.013m	45.320
10)	B gamma-Chl...	5.939	5.116	261.9E6	1848.4E6	45.856	47.049
11)	B alpha-Chl...	6.018	5.180	281.0E6	1769.6E6	48.771m	46.981
12)	B 4,4'-DDE	6.189	5.365	239.6E6	1816.6E6	46.015	47.458
13)	MA Dieldrin	6.340	5.503	266.9E6	1832.6E6	46.304	47.055
14)	MA Endrin	6.566	5.779	229.7E6	1753.7E6	46.943	48.942
15)	B Endosulfa...	6.779	6.070	232.8E6	1591.4E6	47.718	47.150
16)	A 4,4'-DDD	6.698	5.919	194.1E6	1532.3E6	47.374	47.253
17)	MA 4,4'-DDT	7.014	6.172	206.9E6	1599.3E6	46.471	46.519
18)	B Endrin al...	6.908	6.248	173.5E6	1205.2E6	50.584	51.182
19)	B Endosulfa...	7.142	6.472	212.0E6	1544.7E6	46.077	47.252
20)	A Methoxychlor	7.486	6.743	107.2E6	794.6E6	45.492	45.663
21)	B Endrin ke...	7.623	6.979	226.7E6	1785.7E6	45.828	49.462m
22)	Mirex	8.105	7.173	161.9E6	1244.6E6	43.690	45.084

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101125\
Data File : PD090553.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:34
Operator : AR\AJ
Sample : PB170043BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

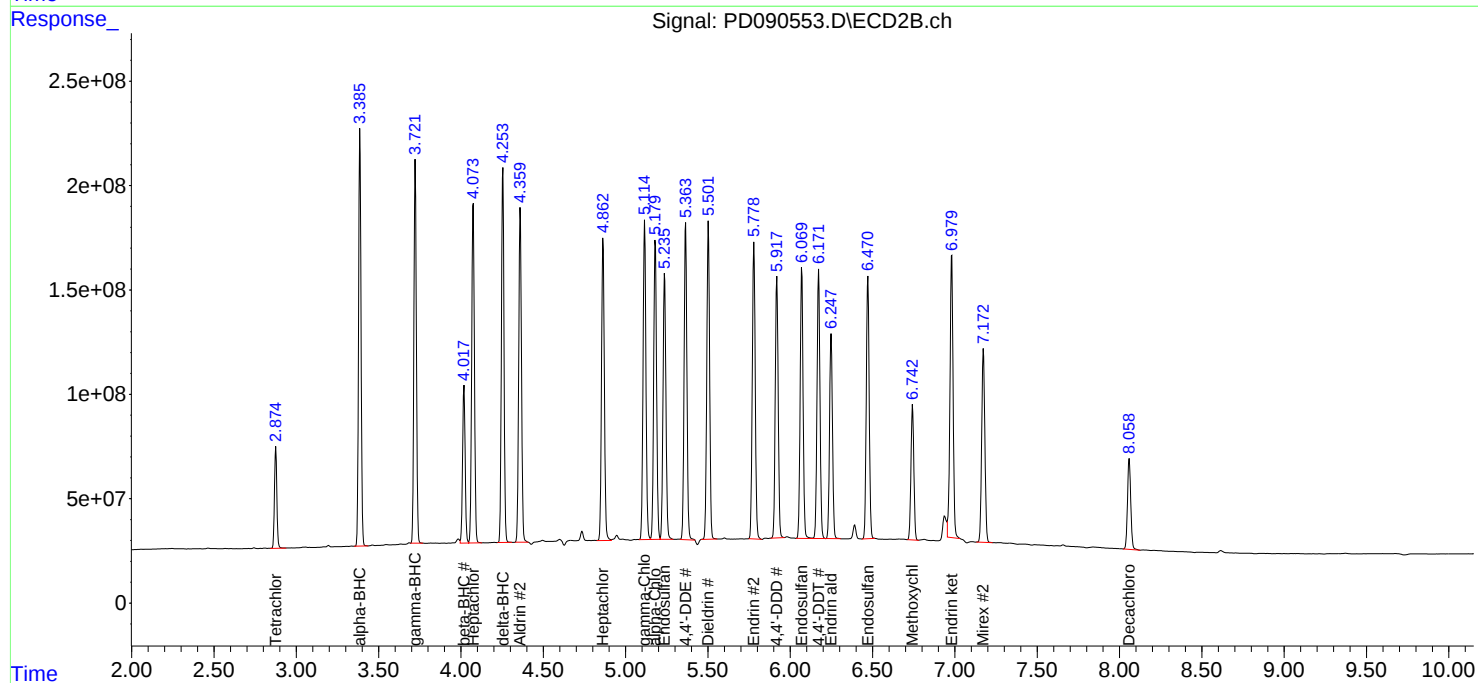
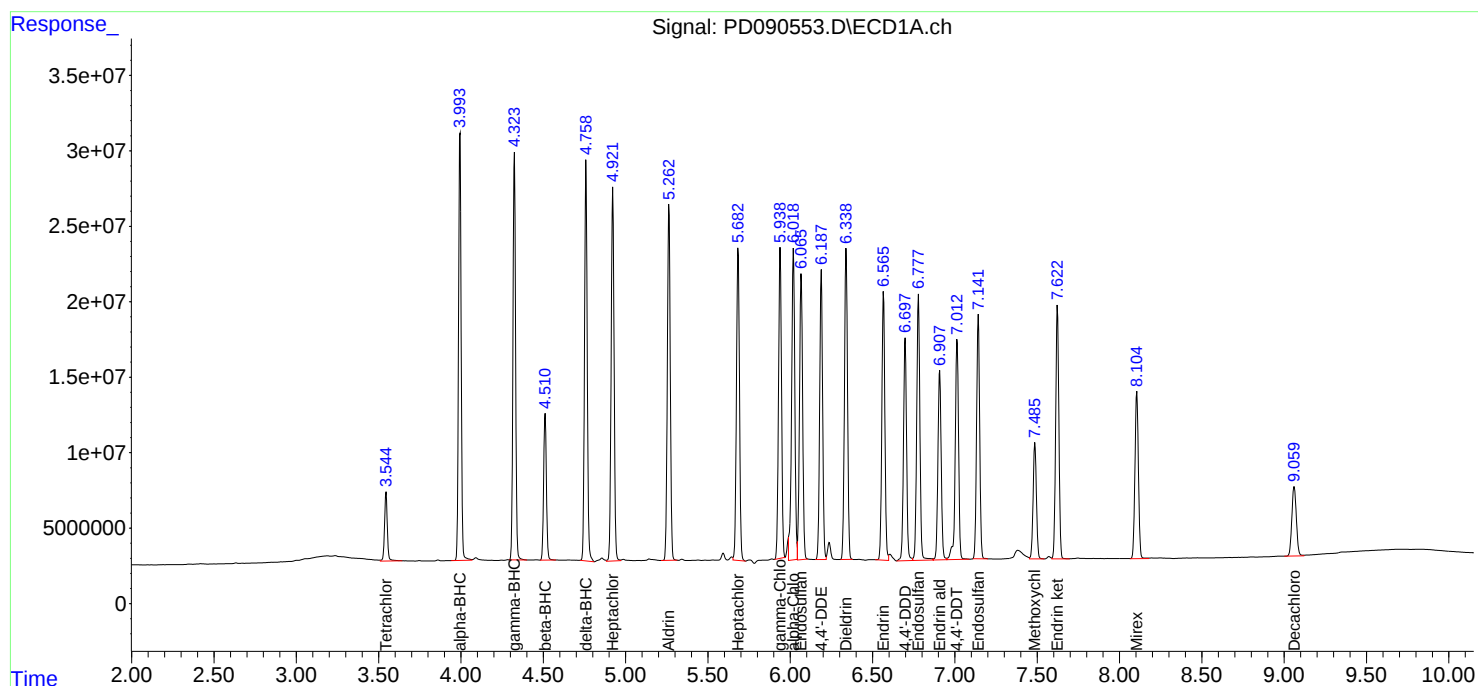
Manual Integrations
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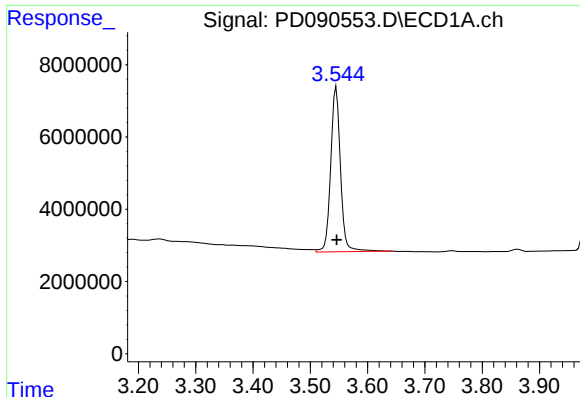
Reviewed By :Abdul
Mirza
10/10/2025

Supervised By :mohammad
ahmed
10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 08:24:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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

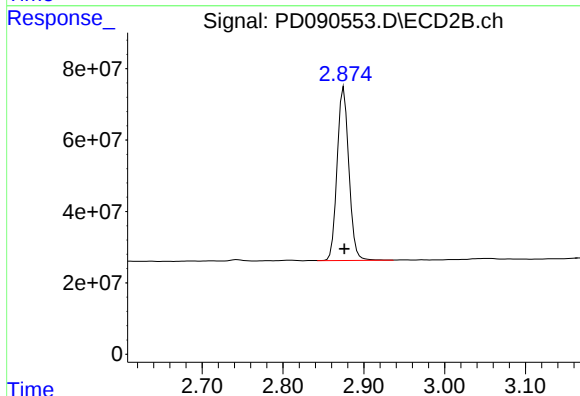
R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 54217364
Conc: 16.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
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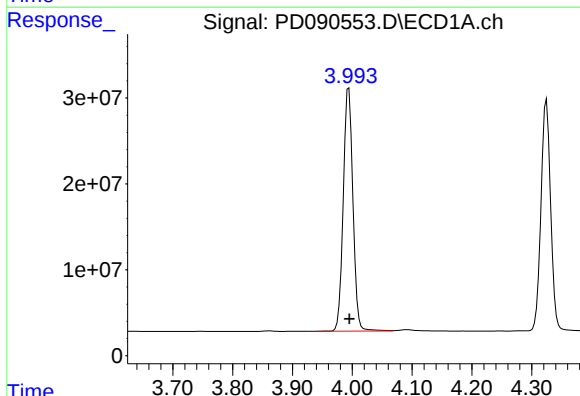
Reviewed By :Abdul
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10/10/2025

Supervised By :mohammad
ahmed
10/11/2025



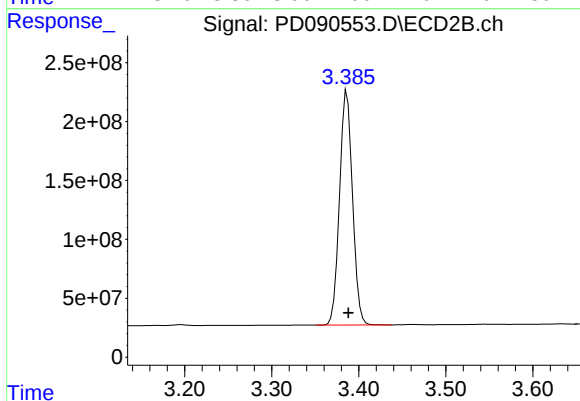
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 489429478
Conc: 17.83 ng/ml



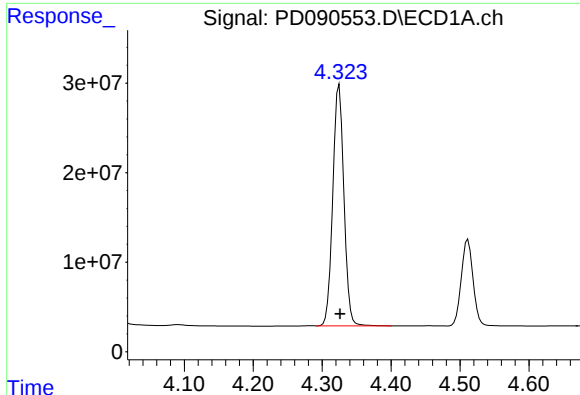
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 318077507
Conc: 45.54 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2061348610
Conc: 47.08 ng/ml



#3 gamma-BHC (Lindane)

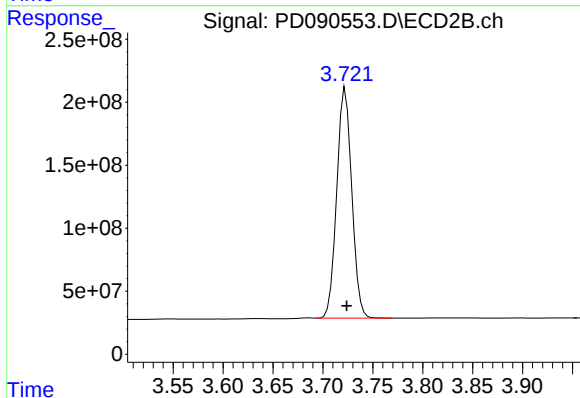
R.T.: 4.325 min
Delta R.T.: -0.001 min
Response: 301196154
Conc: 45.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
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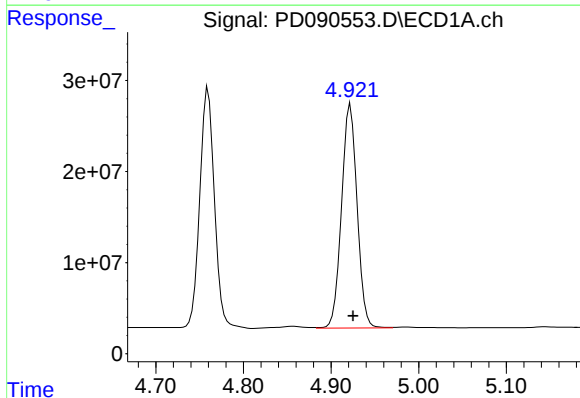
Reviewed By :Abdul
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10/10/2025

Supervised By :mohammad
ahmed
10/11/2025



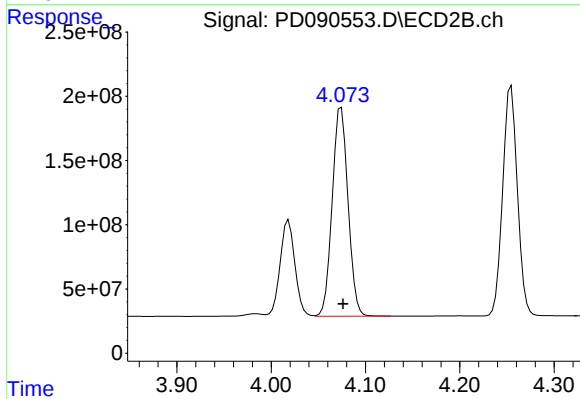
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 1910030789
Conc: 46.89 ng/ml



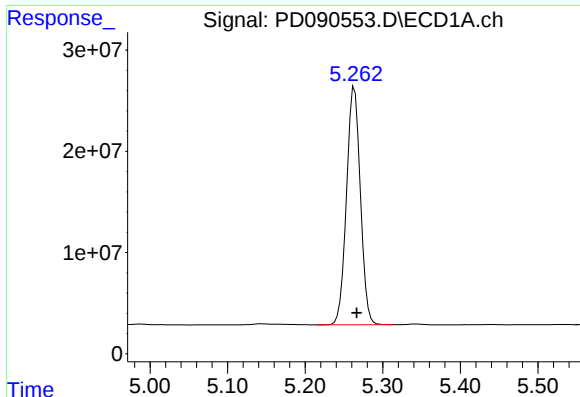
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: -0.003 min
Response: 303631405
Conc: 45.92 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.002 min
Response: 1895074776
Conc: 46.54 ng/ml



#5 Aldrin

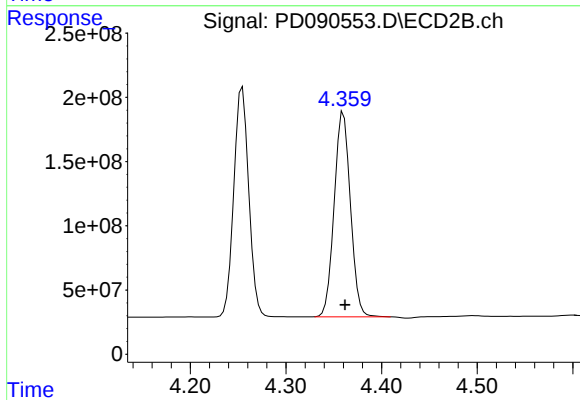
R.T.: 5.263 min
Delta R.T.: -0.003 min
Response: 291728278
Conc: 45.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
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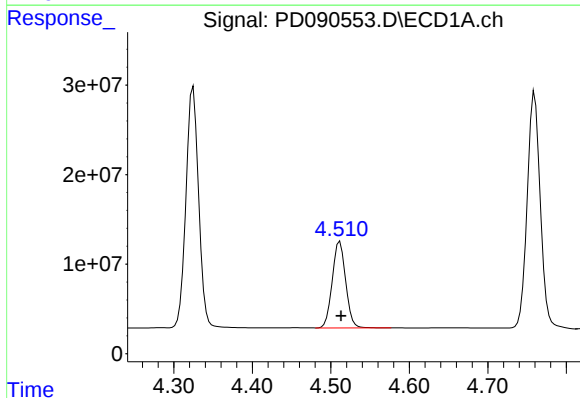
Reviewed By :Abdul
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Supervised By :mohammad
ahmed
10/11/2025



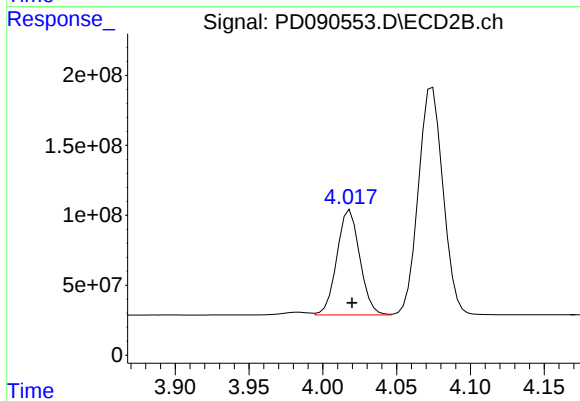
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 1879053947
Conc: 47.05 ng/ml



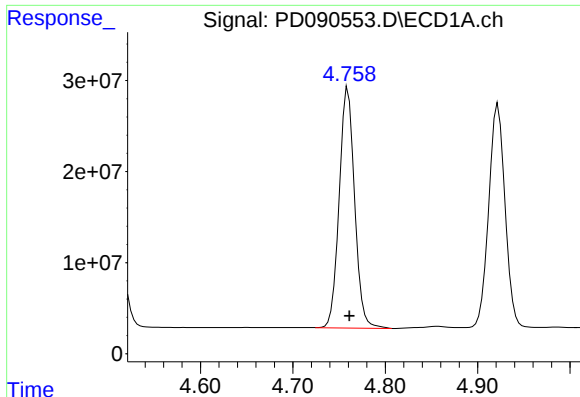
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.002 min
Response: 114708144
Conc: 44.46 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 813679524
Conc: 46.94 ng/ml



#7 delta-BHC

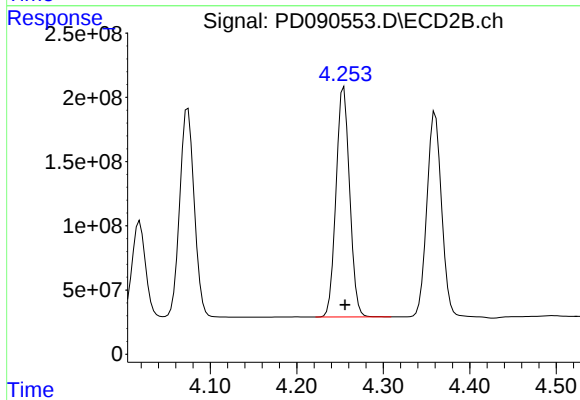
R.T.: 4.758 min
Delta R.T.: -0.003 min
Response: 306411512
Conc: 47.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
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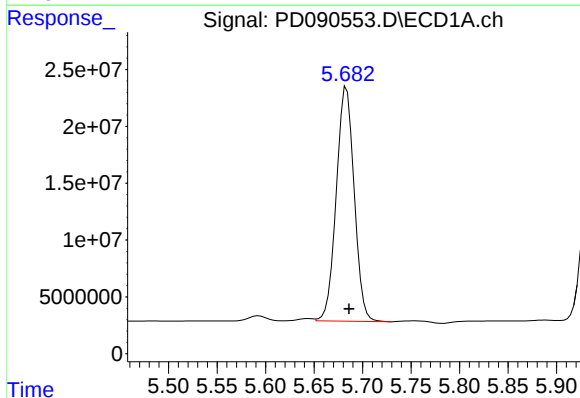
Reviewed By :Abdul
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Supervised By :mohammad
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10/11/2025



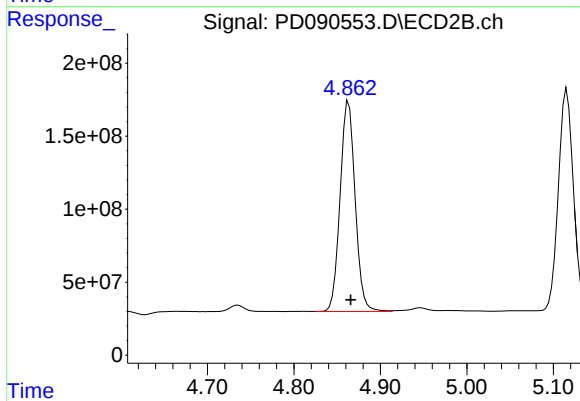
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 1947420754
Conc: 47.16 ng/ml



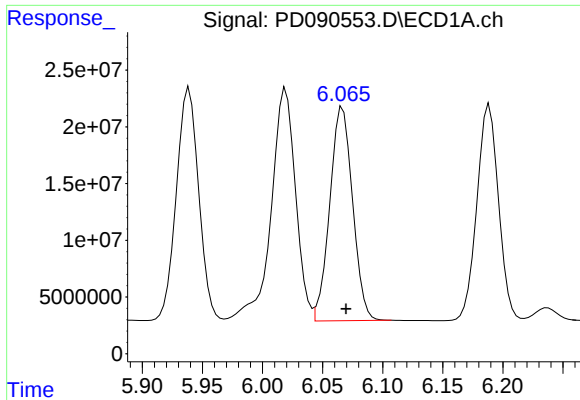
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.003 min
Response: 264286948
Conc: 46.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.002 min
Response: 1729876231
Conc: 46.92 ng/ml



#9 Endosulfan I

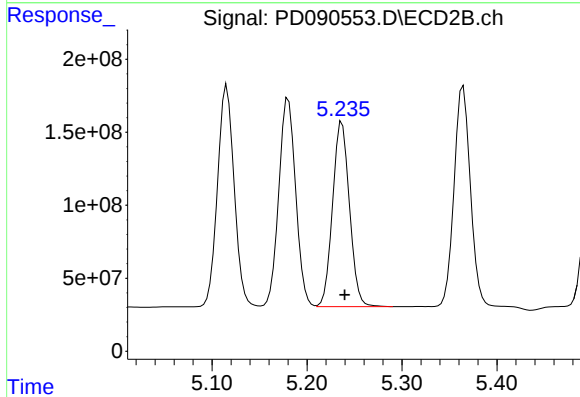
R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 248537031
Conc: 46.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
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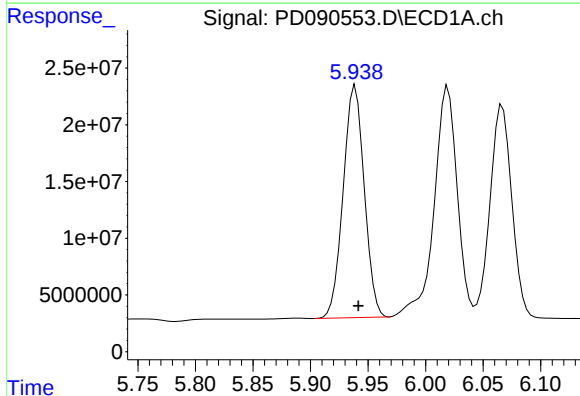
Reviewed By :Abdul
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Supervised By :mohammad
ahmed
10/11/2025



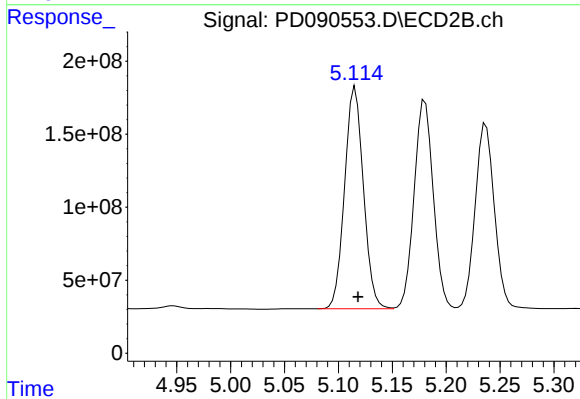
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.003 min
Response: 1568307072
Conc: 45.32 ng/ml



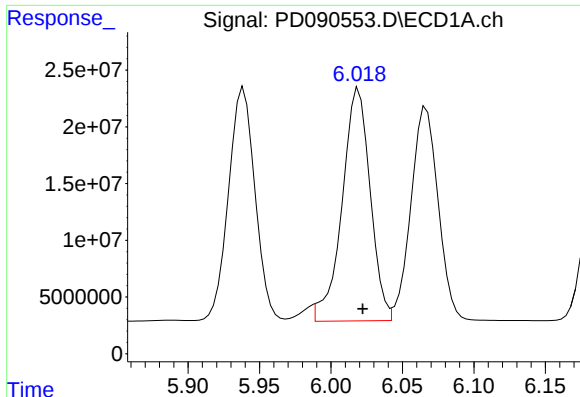
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.003 min
Response: 261927282
Conc: 45.86 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 1848386816
Conc: 47.05 ng/ml



#11 alpha-Chlordane

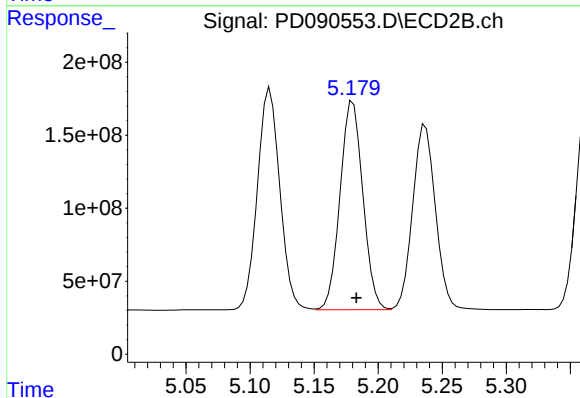
R.T.: 6.018 min
Delta R.T.: -0.004 min
Response: 280963929
Conc: 48.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

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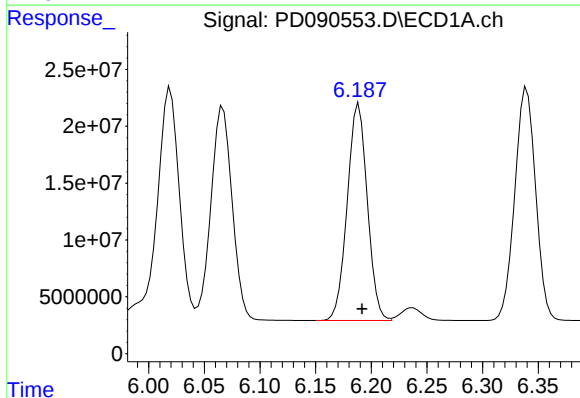
Reviewed By :Abdul
Mirza
10/10/2025

Supervised By :mohammad
ahmed
10/11/2025



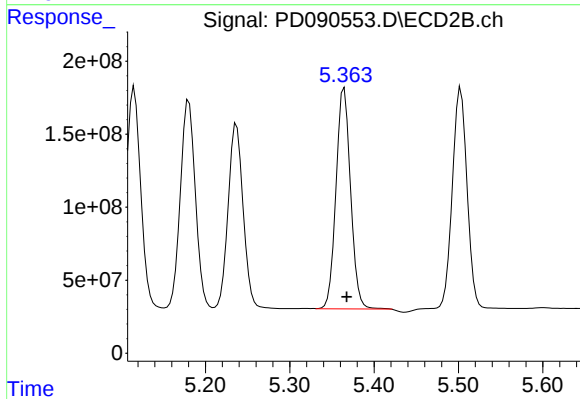
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.003 min
Response: 1769560873
Conc: 46.98 ng/ml



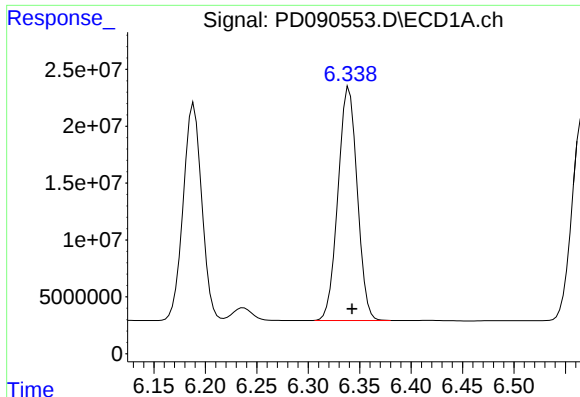
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 239624731
Conc: 46.02 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1816629063
Conc: 47.46 ng/ml



#13 Dieldrin

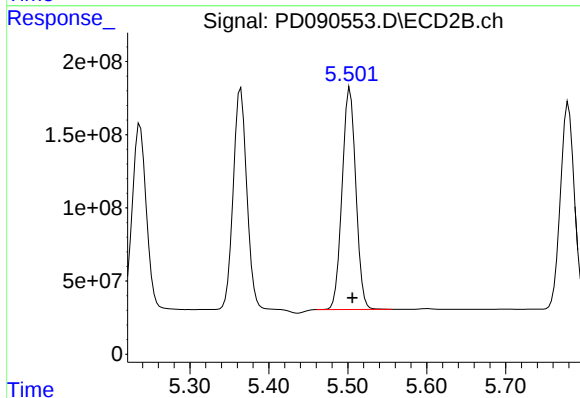
R.T.: 6.340 min
Delta R.T.: -0.003 min
Response: 266925671
Conc: 46.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
APPROVED

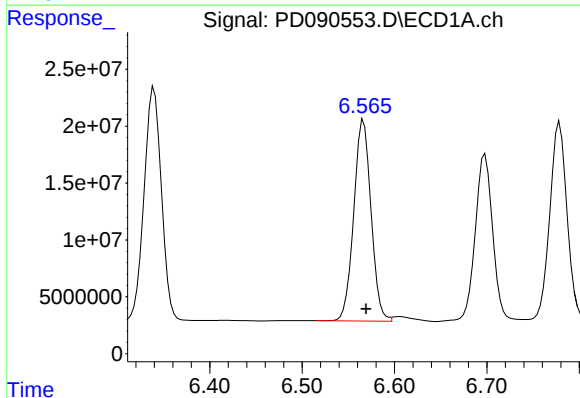
Reviewed By :Abdul
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ahmed
10/11/2025



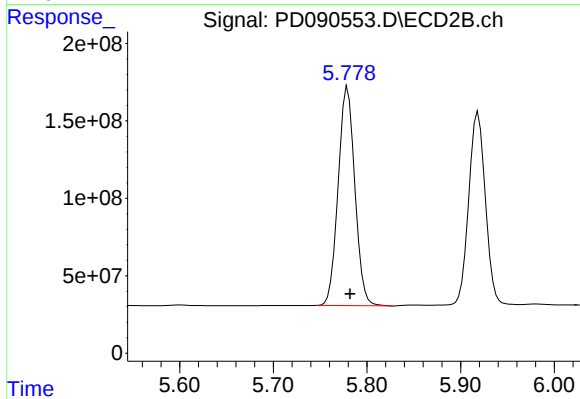
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 1832614519
Conc: 47.06 ng/ml



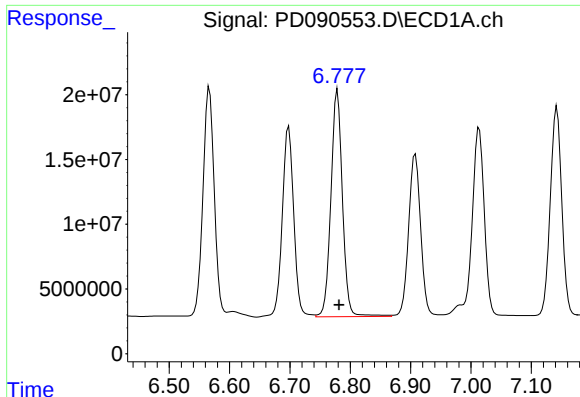
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.003 min
Response: 229736423
Conc: 46.94 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 1753682814
Conc: 48.94 ng/ml



#15 Endosulfan II

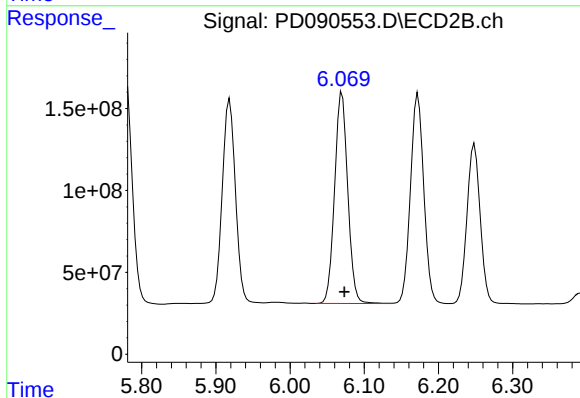
R.T.: 6.779 min
Delta R.T.: -0.003 min
Response: 232761605
Conc: 47.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
APPROVED

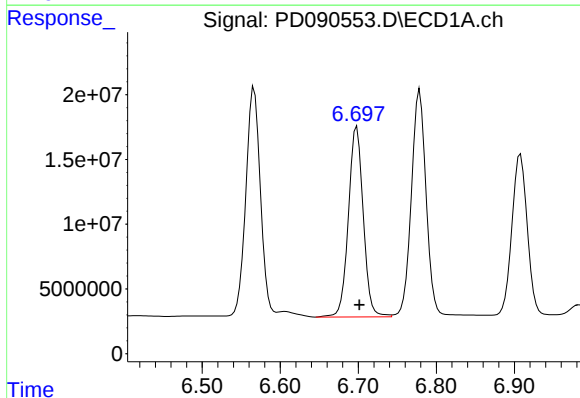
Reviewed By :Abdul
Mirza
10/10/2025

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ahmed
10/11/2025



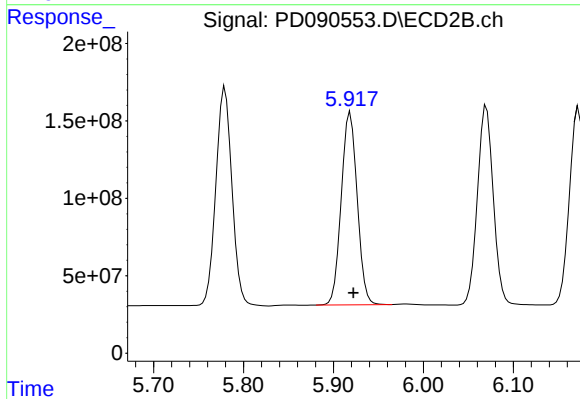
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 1591360195
Conc: 47.15 ng/ml



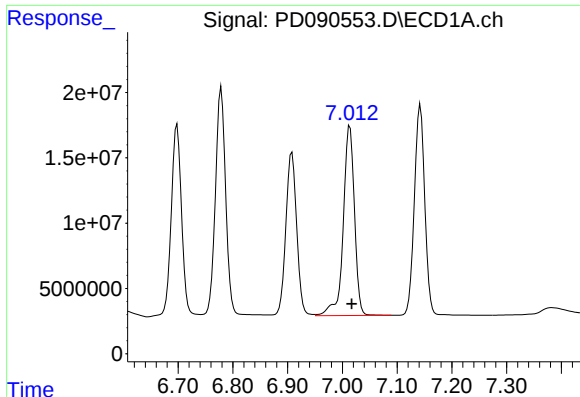
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.003 min
Response: 194131427
Conc: 47.37 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.003 min
Response: 1532302834
Conc: 47.25 ng/ml



#17 4,4'-DDT

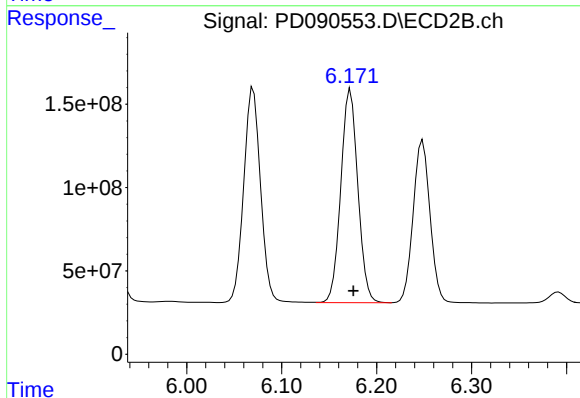
R.T.: 7.014 min
Delta R.T.: -0.003 min
Response: 206911960
Conc: 46.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
APPROVED

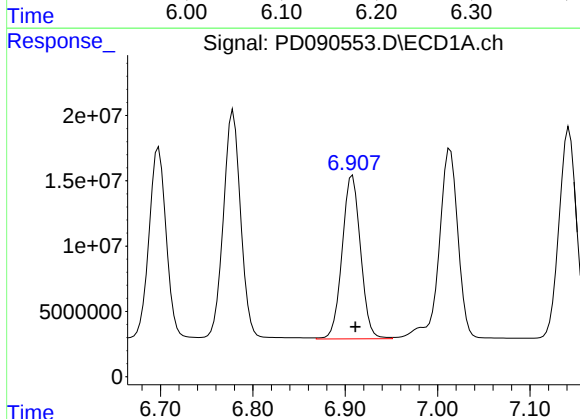
Reviewed By :Abdul
Mirza
10/10/2025

Supervised By :mohammad
ahmed
10/11/2025



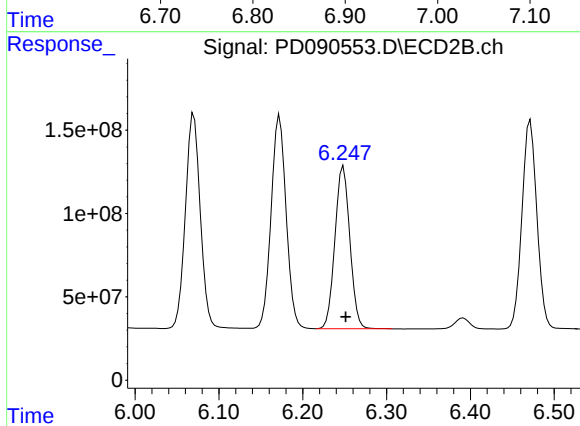
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.003 min
Response: 1599286693
Conc: 46.52 ng/ml



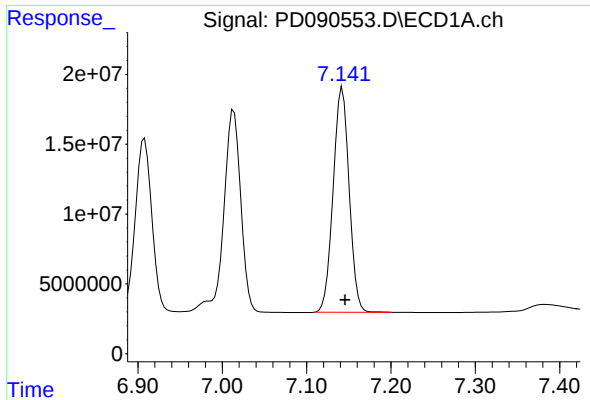
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.003 min
Response: 173533223
Conc: 50.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 1205177631
Conc: 51.18 ng/ml



#19 Endosulfan Sulfate

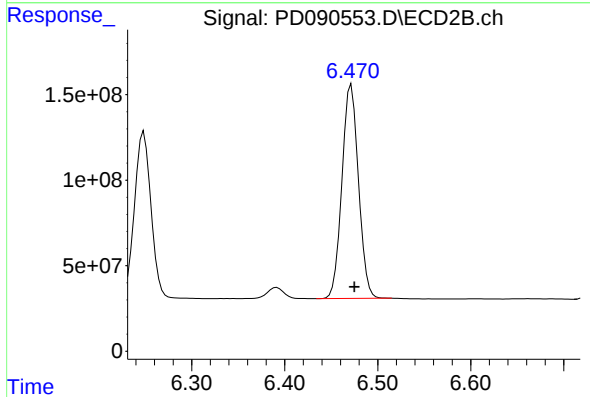
R.T.: 7.142 min
Delta R.T.: -0.003 min
Response: 211972795
Conc: 46.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
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Manual Integrations
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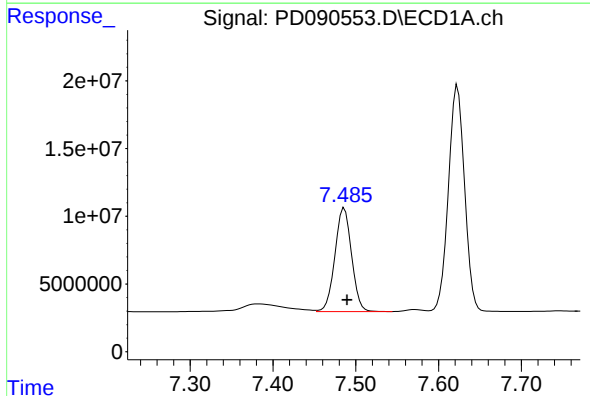
Reviewed By :Abdul
Mirza
10/10/2025

Supervised By :mohammad
ahmed
10/11/2025



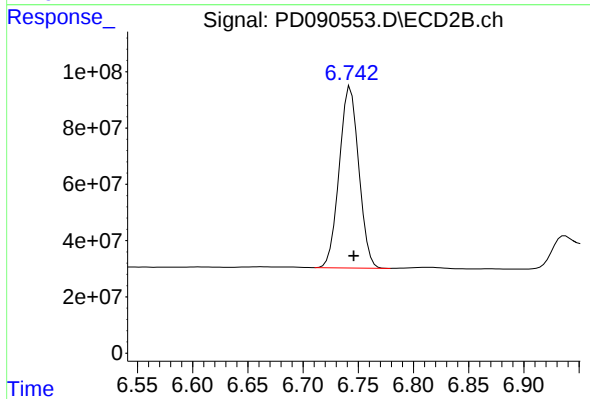
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.003 min
Response: 1544692026
Conc: 47.25 ng/ml



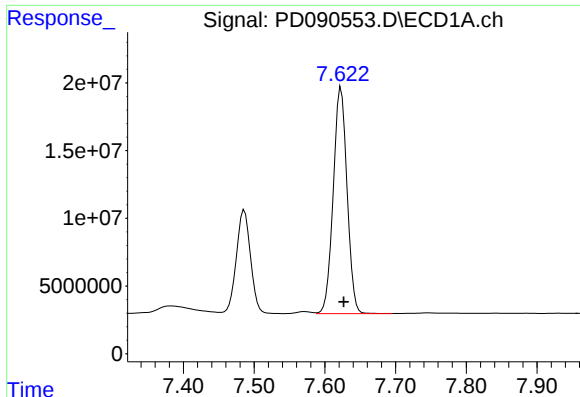
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.003 min
Response: 107202578
Conc: 45.49 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 794550915
Conc: 45.66 ng/ml



#21 Endrin ketone

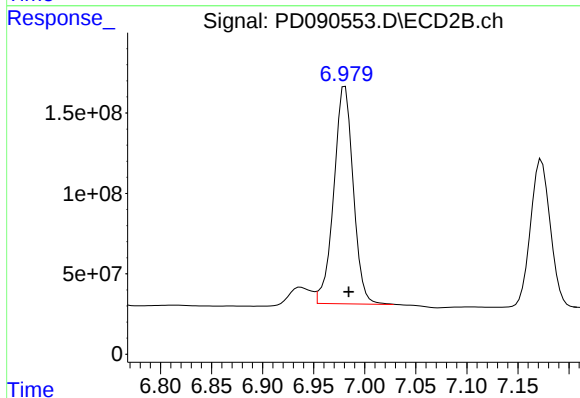
R.T.: 7.623 min
Delta R.T.: -0.004 min
Response: 226726257
Conc: 45.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
APPROVED

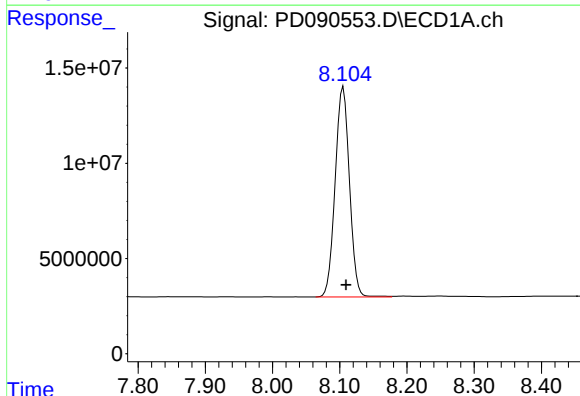
Reviewed By :Abdul
Mirza
10/10/2025

Supervised By :mohammad
ahmed
10/11/2025



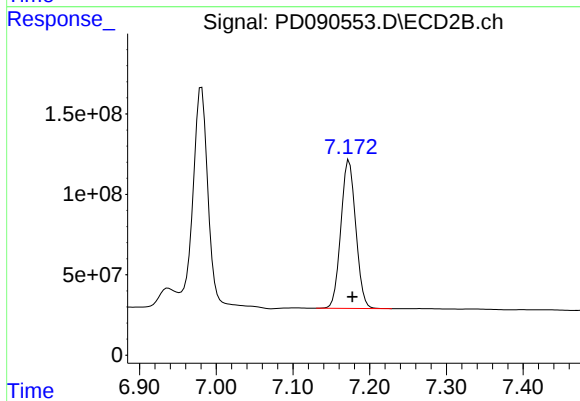
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: -0.005 min
Response: 1785708240
Conc: 49.46 ng/ml m



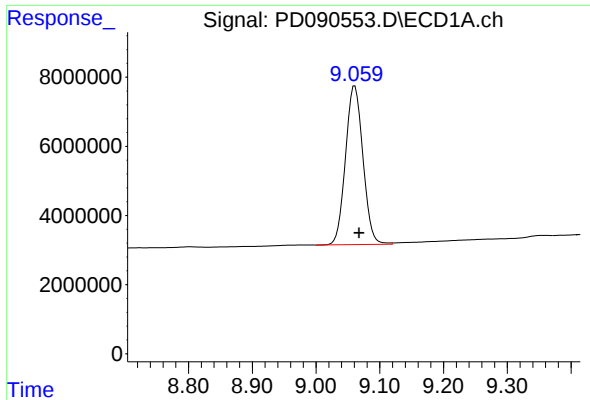
#22 Mirex

R.T.: 8.105 min
Delta R.T.: -0.004 min
Response: 161865780
Conc: 43.69 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.004 min
Response: 1244596113
Conc: 45.08 ng/ml



#28 Decachlorobiphenyl

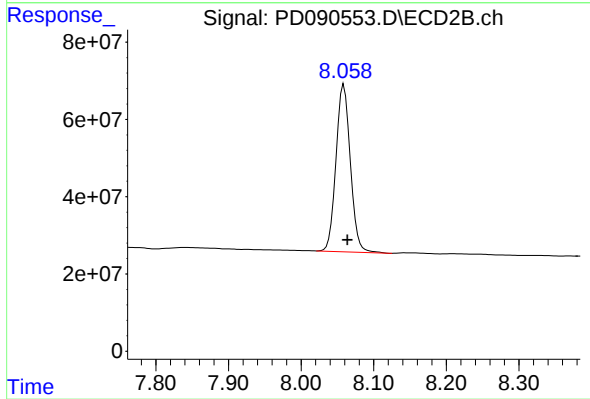
R.T.: 9.061 min
Delta R.T.: -0.007 min
Response: 87381711
Conc: 18.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BSD

Manual Integrations
APPROVED

Reviewed By :Abdul
Mirza
10/10/2025

Supervised By :mohammad
ahmed
10/11/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 595302205
Conc: 18.37 ng/ml