

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100625\
 Data File : PD090520.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Oct 2025 13:55
 Operator : AR\AJ
 Sample : PB169988BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169988BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/07/2025
 Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 03:21:31 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	55756428	496.8E6	17.153	18.097
28)	SA Decachlor...	9.064	8.061	89732791	609.5E6	18.597	18.802
Target Compounds							
2)	A alpha-BHC	3.994	3.386	376.6E6	2348.6E6	53.919	53.642
3)	MA gamma-BHC...	4.325	3.723	355.1E6	2188.5E6	53.661	53.725
4)	MA Heptachlor	4.923	4.075	357.9E6	2161.0E6	54.122	53.074
5)	MB Aldrin	5.265	4.360	341.7E6	2164.5E6	53.805	54.201
6)	B beta-BHC	4.512	4.018	132.4E6	920.1E6	51.316	53.076
7)	B delta-BHC	4.759	4.254	358.5E6	2221.9E6	55.511m	53.806
8)	B Heptachlo...	5.685	4.863	309.1E6	2008.5E6	54.084	54.481
9)	A Endosulfan I	6.067	5.237	291.1E6	1831.4E6	53.893m	52.923
10)	B gamma-Chl...	5.940	5.116	305.2E6	2127.9E6	53.426	54.164
11)	B alpha-Chl...	6.020	5.181	326.0E6	2037.9E6	56.584m	54.105
12)	B 4,4'-DDE	6.190	5.365	280.2E6	2086.2E6	53.810	54.499
13)	MA Dieldrin	6.340	5.503	313.6E6	2106.6E6	54.393	54.090
14)	MA Endrin	6.568	5.780	267.9E6	1935.0E6	54.735	54.001
15)	B Endosulfa...	6.781	6.070	268.0E6	1831.2E6	54.949	54.257
16)	A 4,4'-DDD	6.700	5.919	224.0E6	1746.2E6	54.667	53.849
17)	MA 4,4'-DDT	7.015	6.173	243.8E6	1851.1E6	54.747	53.843
18)	B Endrin al...	6.910	6.249	198.5E6	1369.0E6	57.864	58.139
19)	B Endosulfa...	7.144	6.473	246.5E6	1760.8E6	53.577	53.863
20)	A Methoxychlor	7.489	6.744	124.2E6	873.5E6	52.685	50.199
21)	B Endrin ke...	7.625	6.980	264.0E6	2007.4E6	53.353	55.602m
22)	Mirex	8.106	7.174	185.2E6	1424.5E6	49.989m	51.601

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100625\
Data File : PD090520.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Oct 2025 13:55
Operator : AR\AJ
Sample : PB169988BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169988BS

Manual Integrations

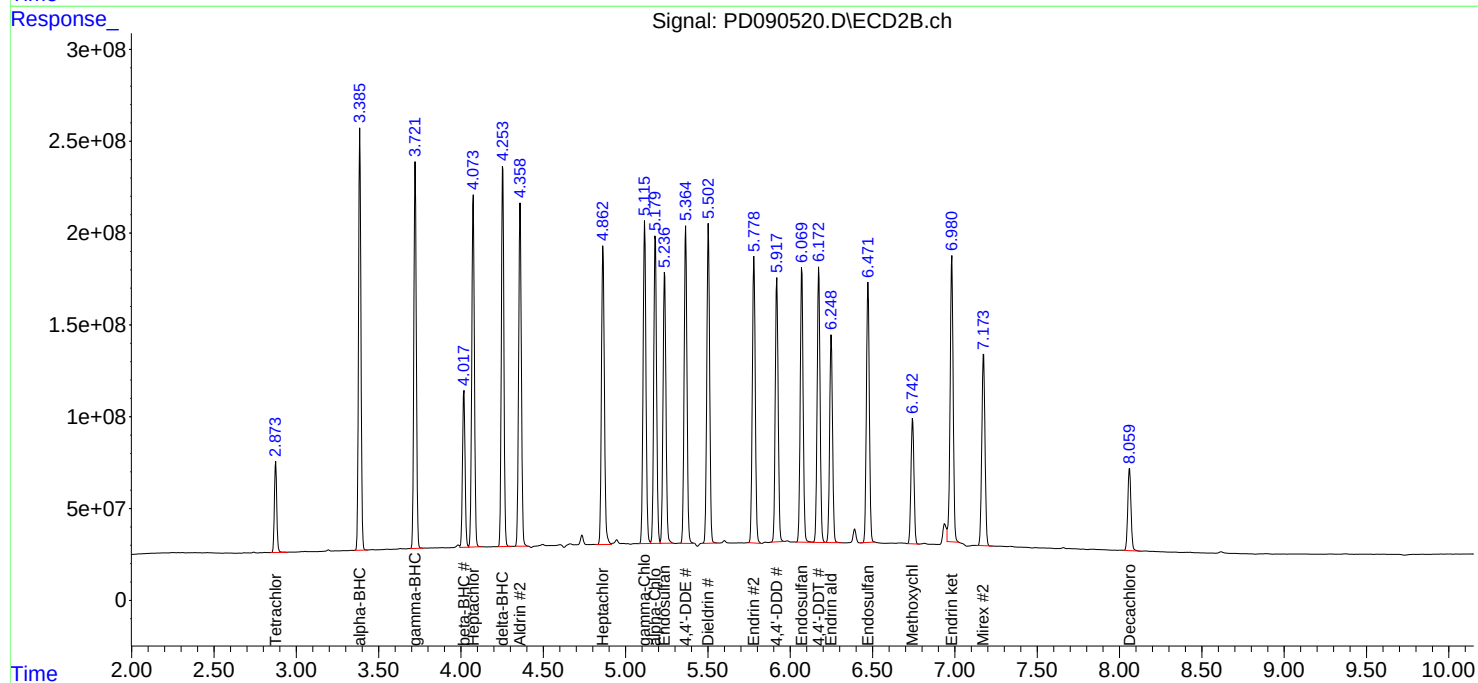
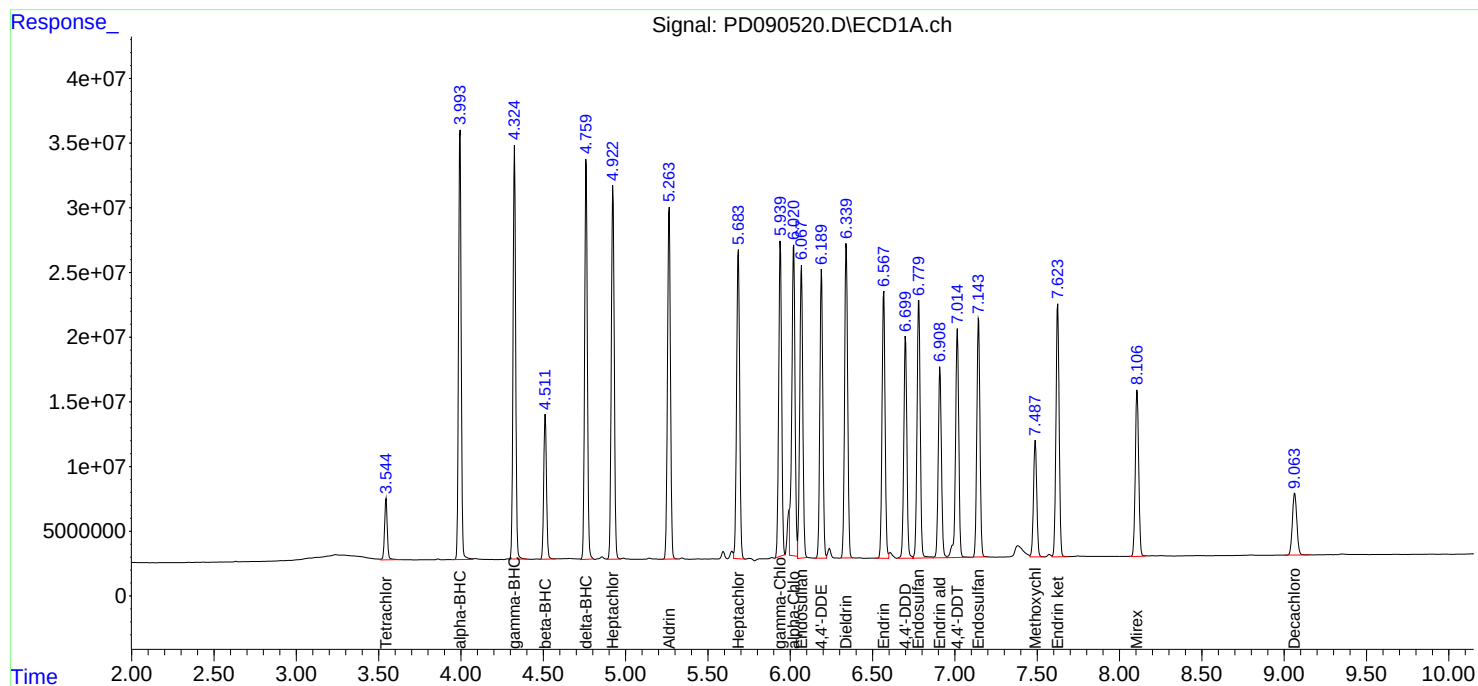
APPROVED

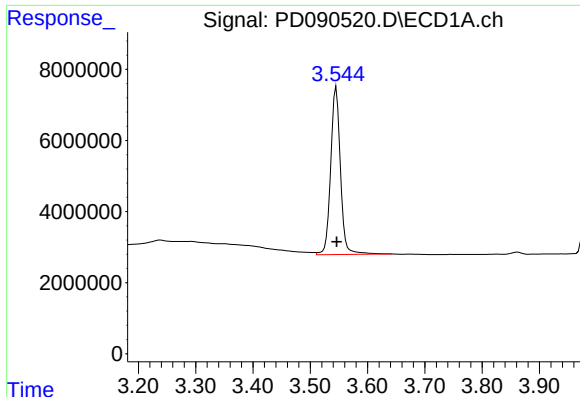
Reviewed By :Abdul Mirza 10/07/2025

Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 07 03:21:31 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





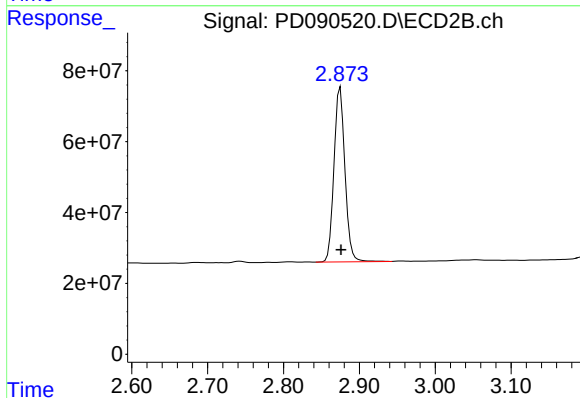
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 55756428
Conc: 17.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169988BS

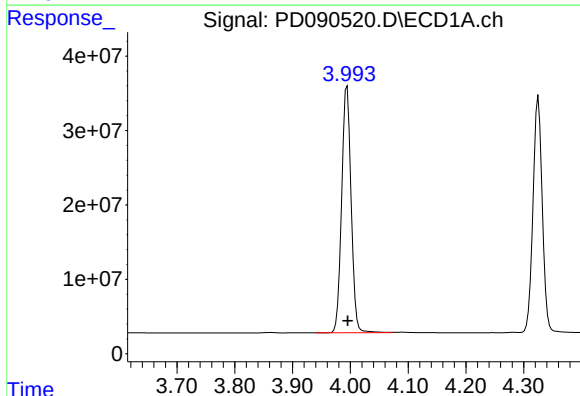
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



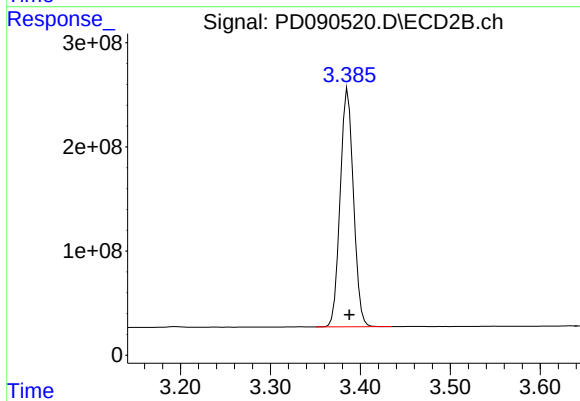
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 496765815
Conc: 18.10 ng/ml



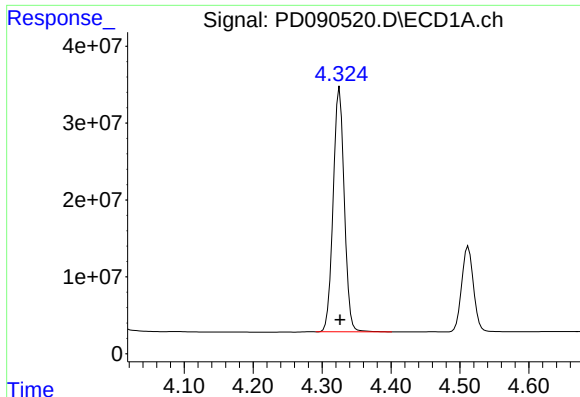
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 376599808
Conc: 53.92 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 2348603321
Conc: 53.64 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 355065816
Conc: 53.66 ng/ml

Instrument :

ECD_D

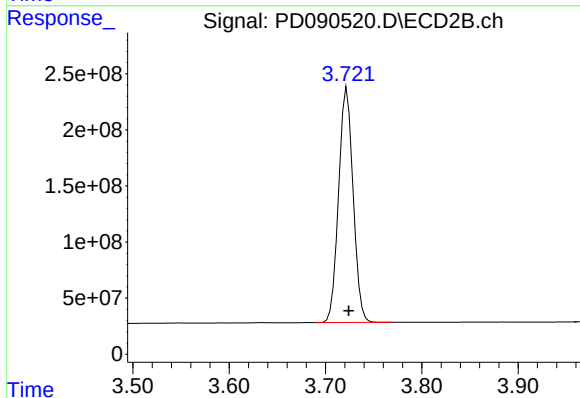
ClientSampleId :

PB169988BS

Manual Integrations

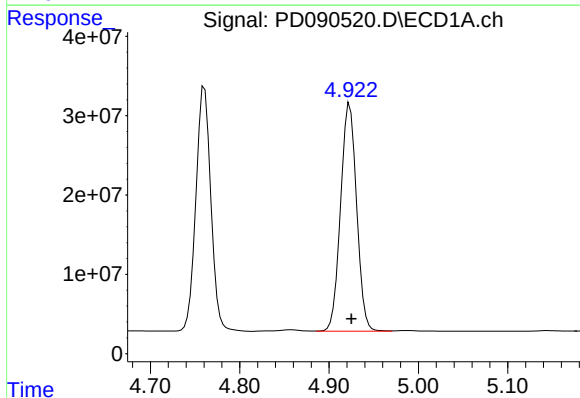
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



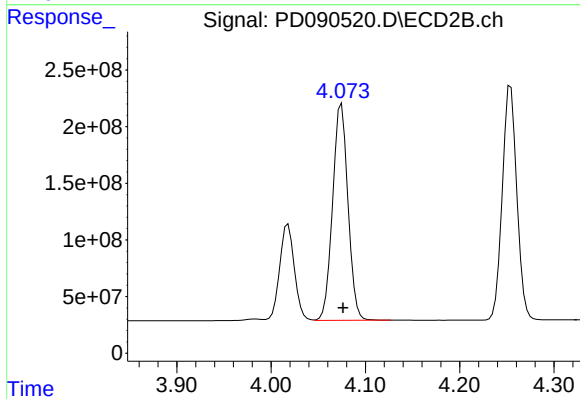
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 2188507611
Conc: 53.72 ng/ml



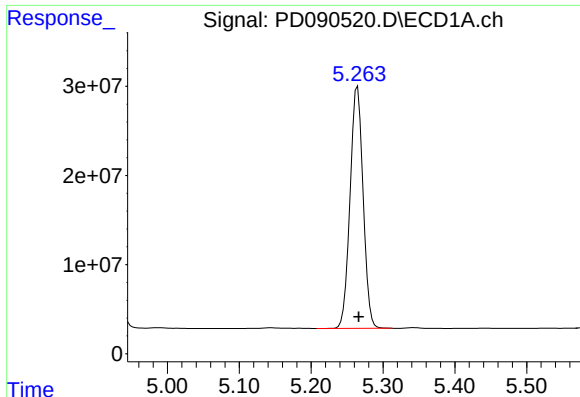
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 357887160
Conc: 54.12 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.002 min
Response: 2161019128
Conc: 53.07 ng/ml



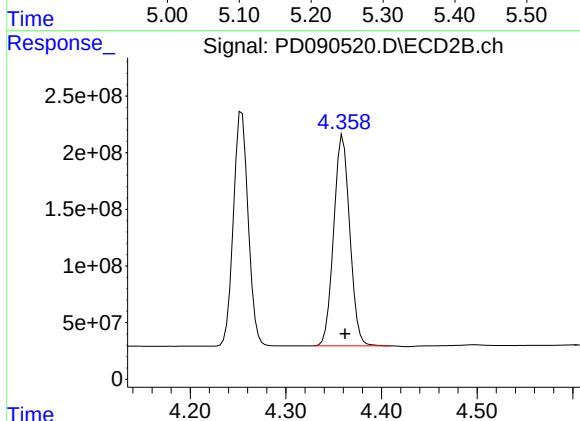
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.002 min
Response: 341657476
Conc: 53.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169988BS

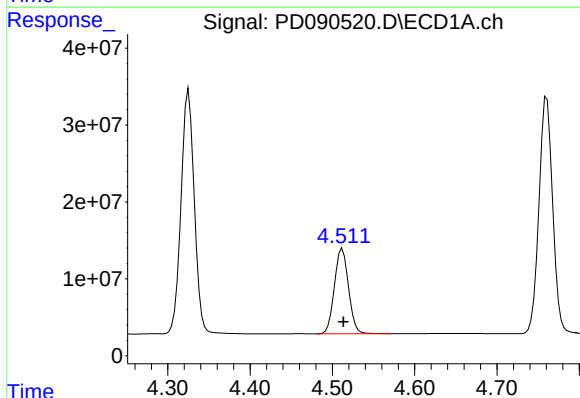
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



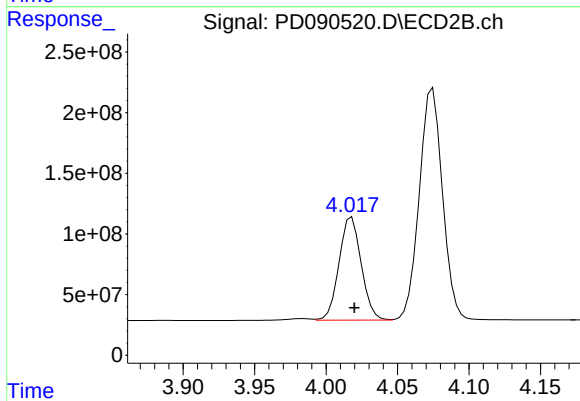
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 2164528656
Conc: 54.20 ng/ml



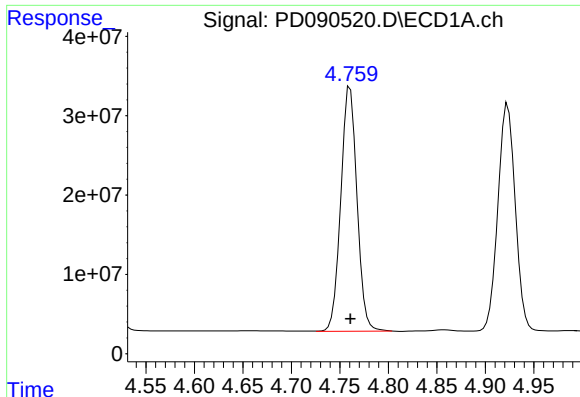
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 132389953
Conc: 51.32 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.002 min
Response: 920095642
Conc: 53.08 ng/ml



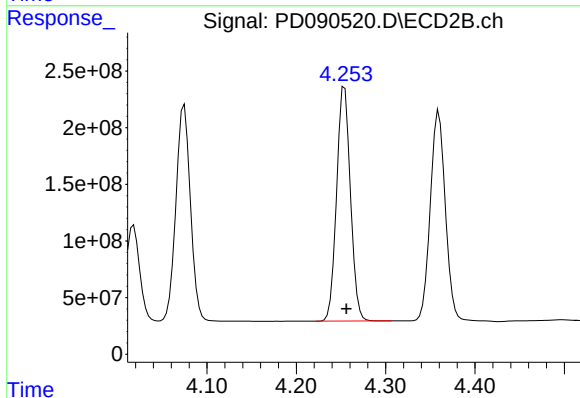
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 358465327
Conc: 55.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169988BS

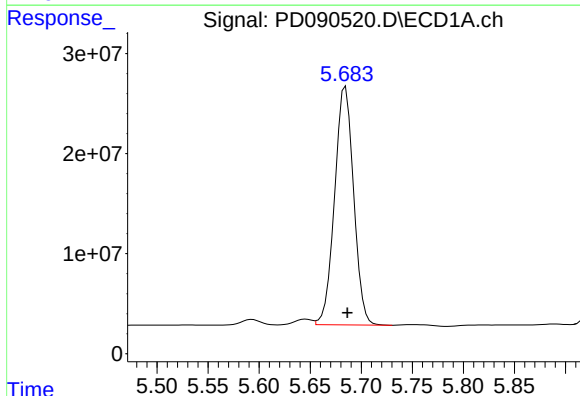
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



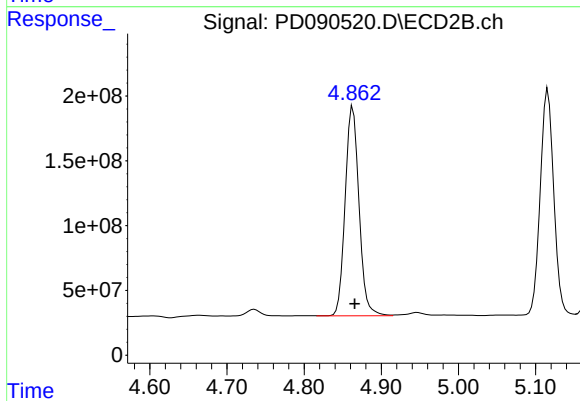
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.002 min
Response: 2221891522
Conc: 53.81 ng/ml



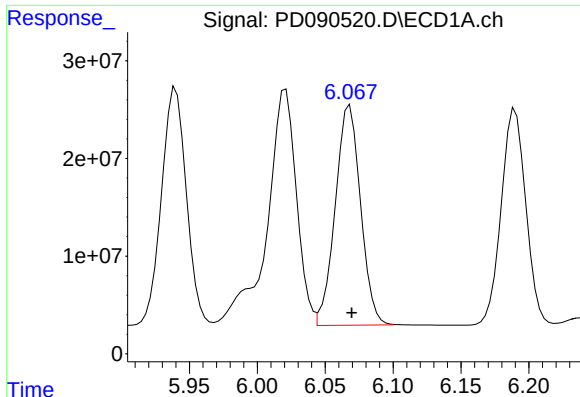
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.002 min
Response: 309087519
Conc: 54.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.003 min
Response: 2008454181
Conc: 54.48 ng/ml



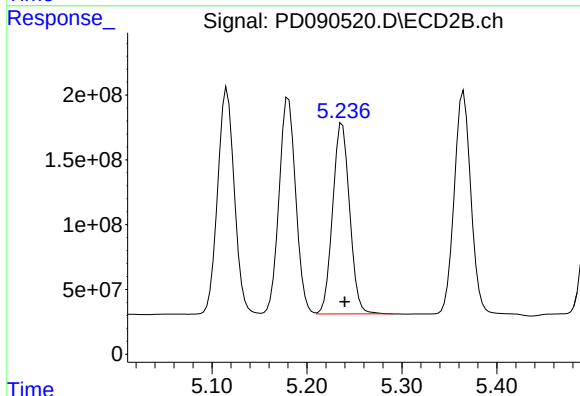
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.003 min
Response: 291102317
Conc: 53.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169988BS

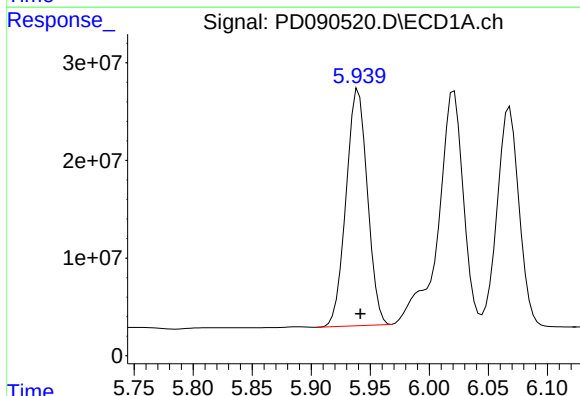
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



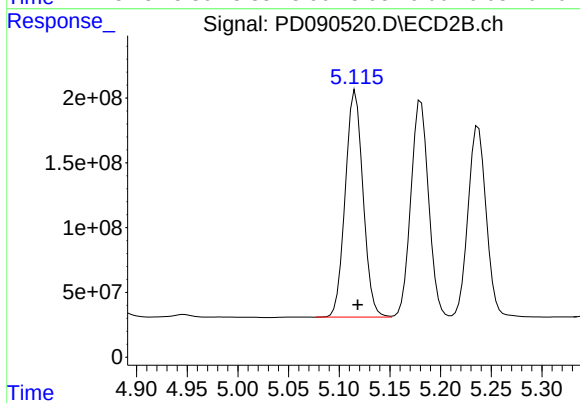
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.003 min
Response: 1831396708
Conc: 52.92 ng/ml



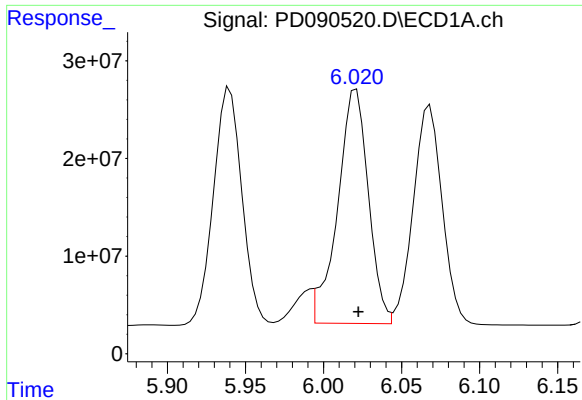
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 305163692
Conc: 53.43 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 2127914060
Conc: 54.16 ng/ml



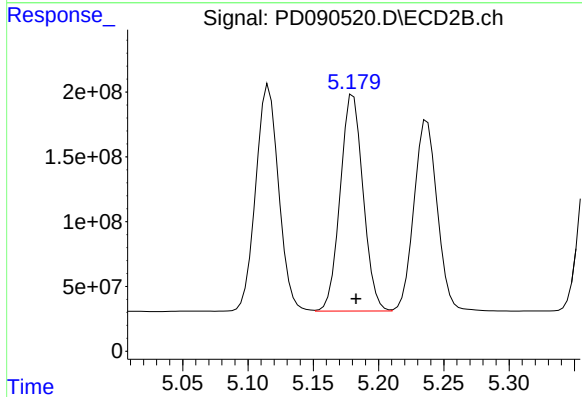
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.003 min
Response: 325970759
Conc: 56.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169988BS

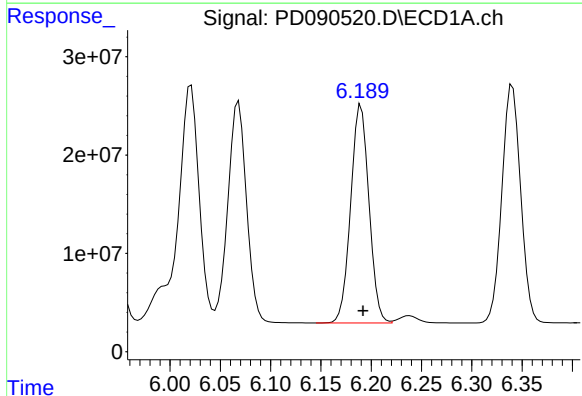
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



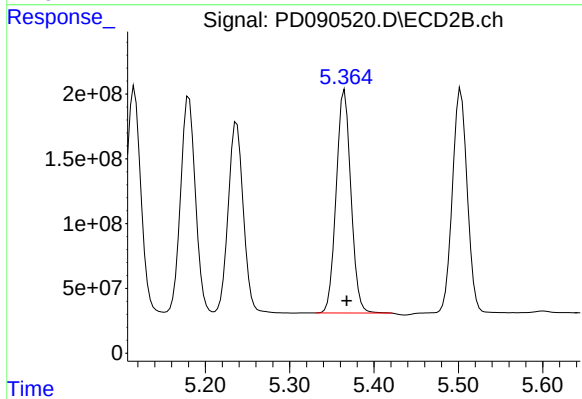
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 2037863941
Conc: 54.10 ng/ml



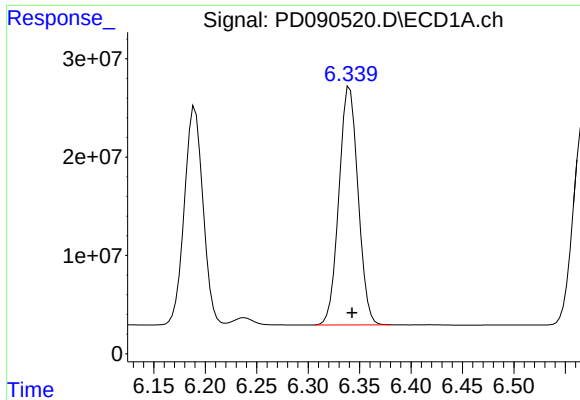
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 280218170
Conc: 53.81 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 2086182256
Conc: 54.50 ng/ml



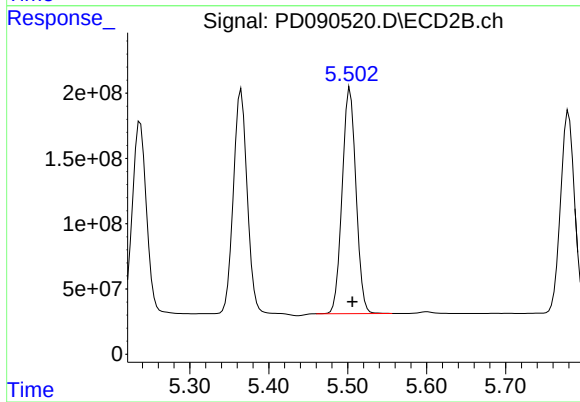
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 313559252
Conc: 54.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169988BS

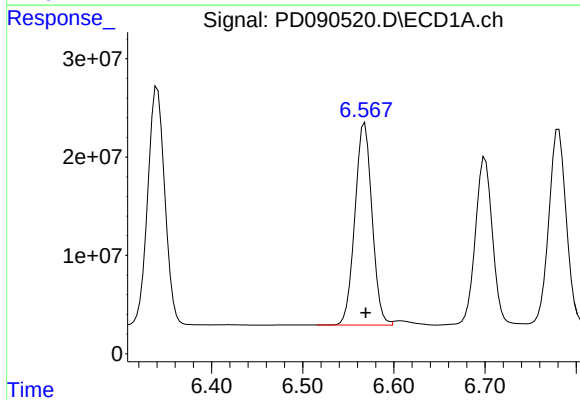
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



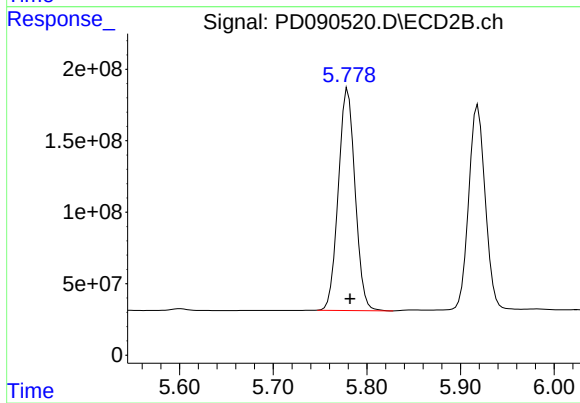
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 2106569279
Conc: 54.09 ng/ml



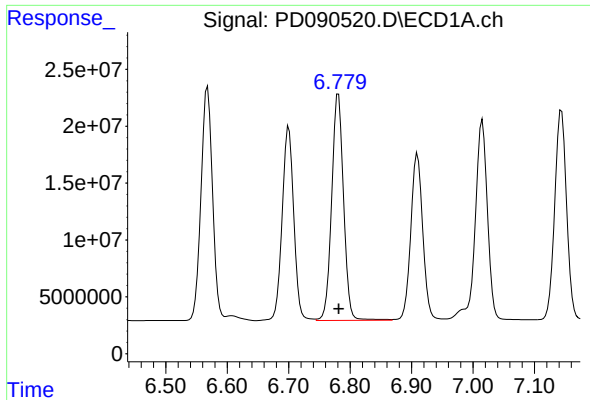
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.001 min
Response: 267870055
Conc: 54.74 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1934978273
Conc: 54.00 ng/ml



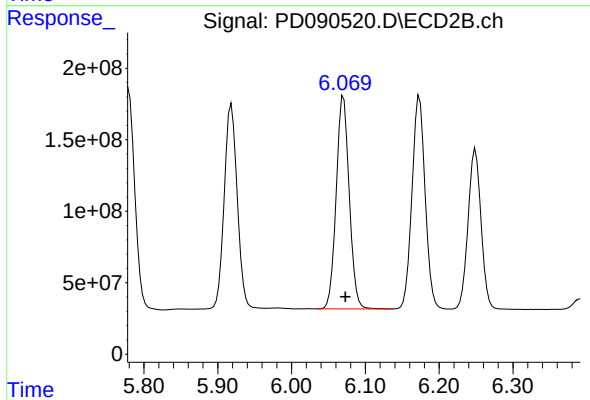
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 268029676
Conc: 54.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169988BS

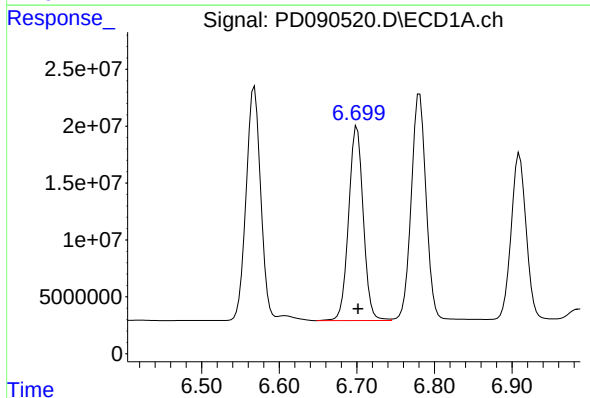
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



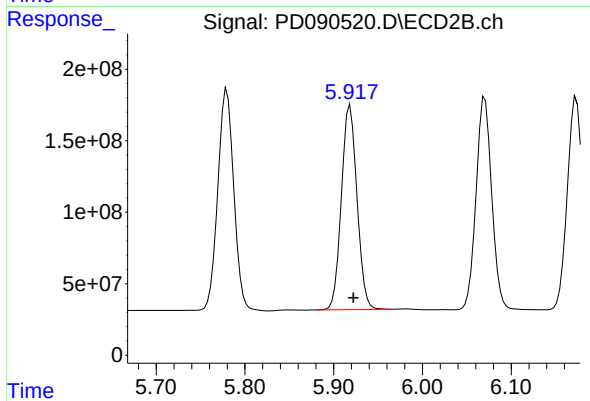
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 1831222827
Conc: 54.26 ng/ml



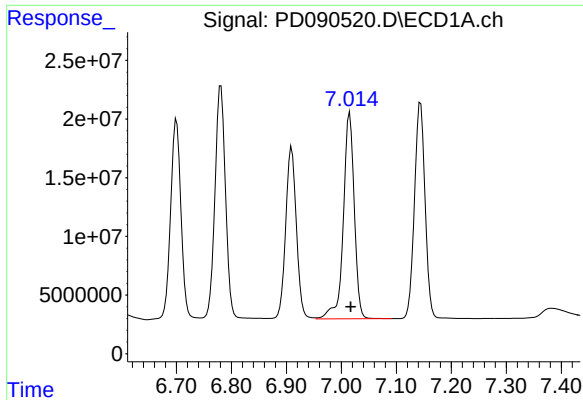
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 224015557
Conc: 54.67 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.004 min
Response: 1746219183
Conc: 53.85 ng/ml



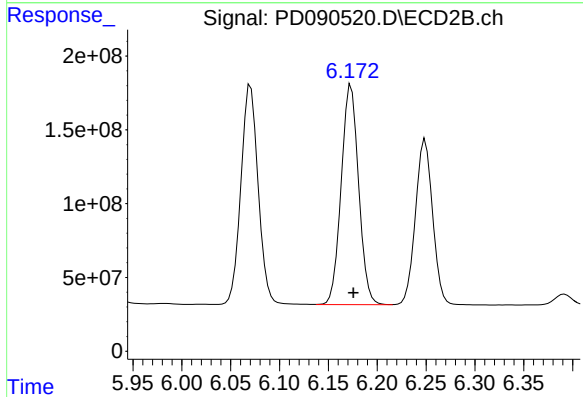
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 243759579
Conc: 54.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169988BS

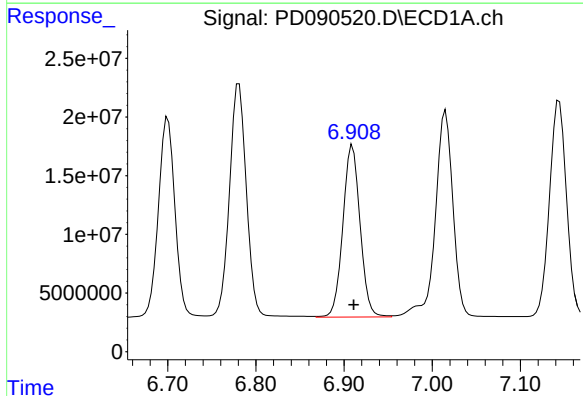
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



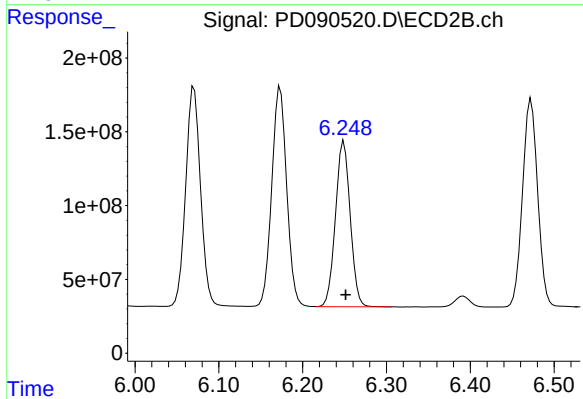
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 1851085114
Conc: 53.84 ng/ml



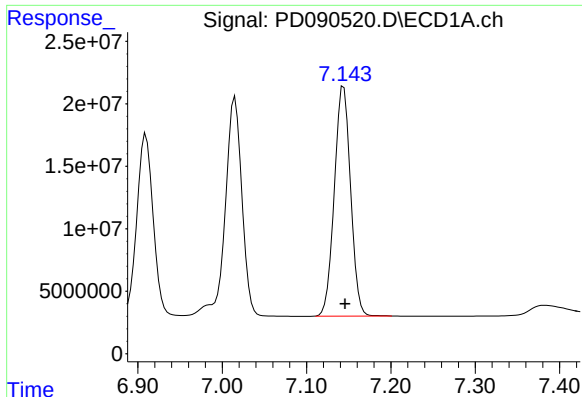
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.001 min
Response: 198508448
Conc: 57.86 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 1368997677
Conc: 58.14 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.002 min
Response: 246471482
Conc: 53.58 ng/ml

Instrument :

ECD_D

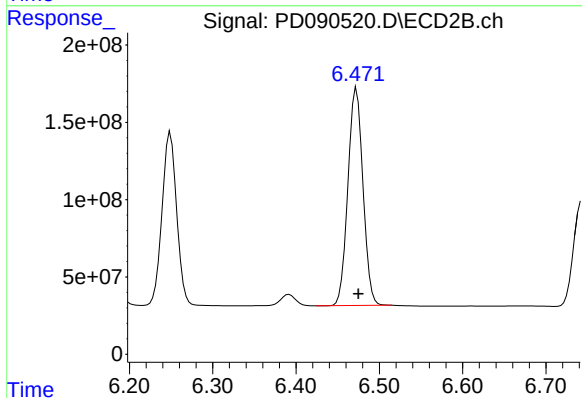
ClientSampleId :

PB169988BS

Manual Integrations

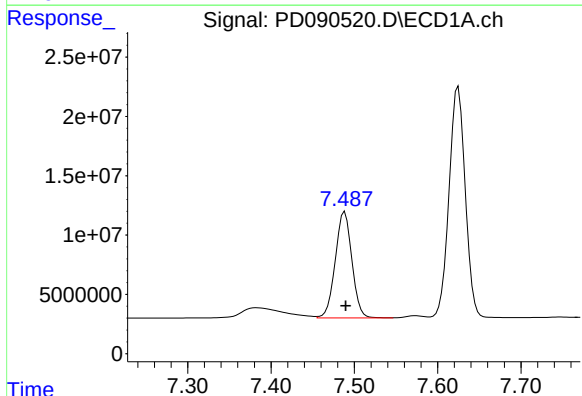
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



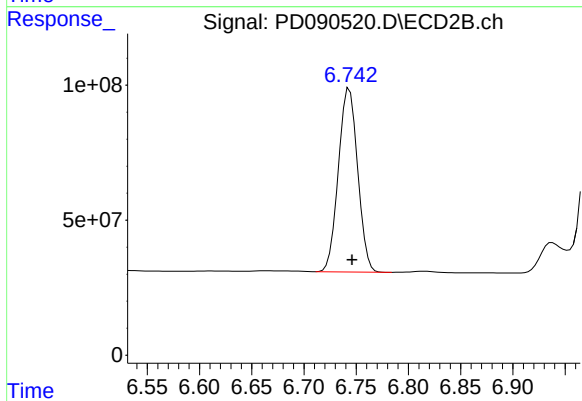
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.002 min
Response: 1760798665
Conc: 53.86 ng/ml



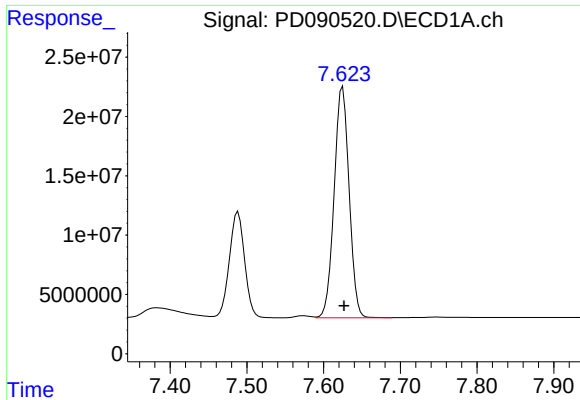
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.001 min
Response: 124153251
Conc: 52.69 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 873485155
Conc: 50.20 ng/ml



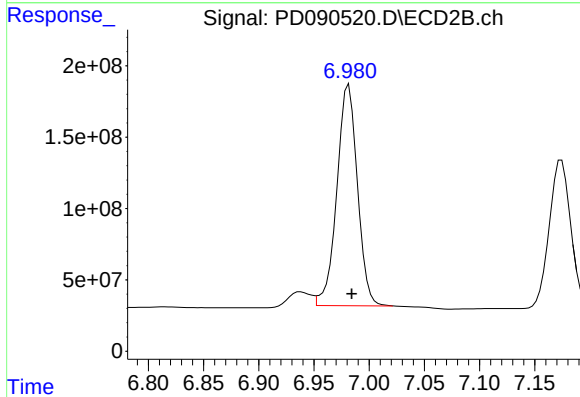
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 263958499
Conc: 53.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169988BS

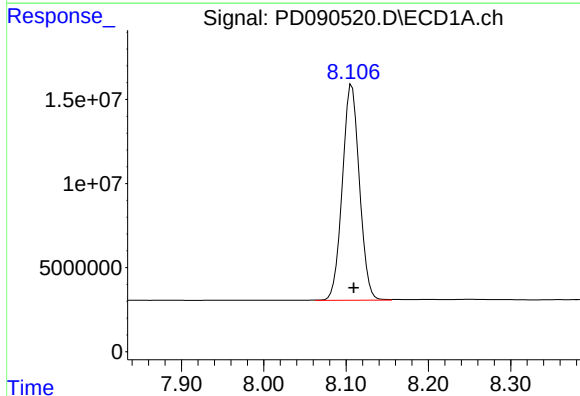
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/07/2025
Supervised By :mohammad ahmed 10/08/2025



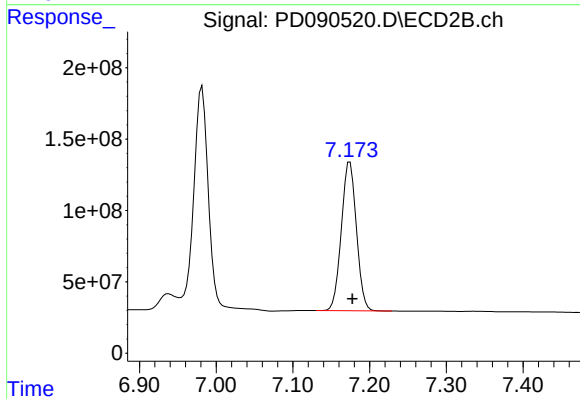
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.004 min
Response: 2007394254
Conc: 55.60 ng/ml m



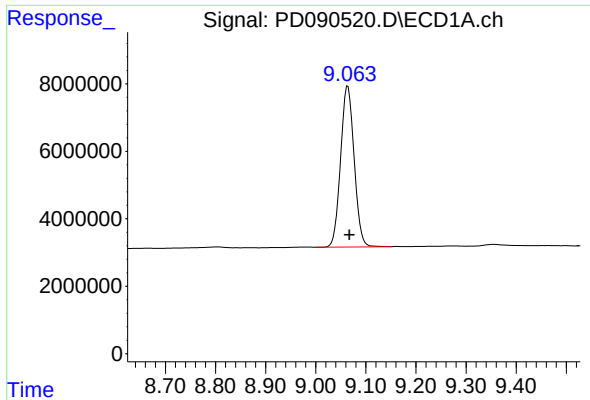
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.004 min
Response: 185203331
Conc: 49.99 ng/ml m



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.003 min
Response: 1424498844
Conc: 51.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.004 min
Response: 89732791
Conc: 18.60 ng/ml

Instrument :

ECD_D

ClientSampleId :

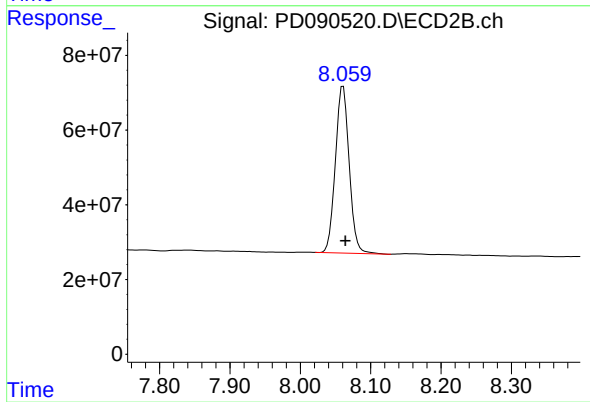
PB169988BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/07/2025

Supervised By :mohammad ahmed 10/08/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 609461419
Conc: 18.80 ng/ml