

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090193.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 15:38
 Operator : AR\AJ
 Sample : PB169592BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169592BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:42:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.547	2.878	49809925	411.5E6	16.972m	18.660
28)	SA Decachlor...	9.068	8.064	71377237	340.7E6	16.538	13.162
Target Compounds							
2)	A alpha-BHC	3.998	3.390	300.9E6	1715.5E6	50.130	50.546
3)	MA gamma-BHC...	4.328	3.726	283.9E6	1594.0E6	49.575	51.136
4)	MA Heptachlor	4.926	4.078	273.4E6	1531.9E6	48.734	49.112
5)	MB Aldrin	5.268	4.364	274.3E6	1551.9E6	50.663	50.956
6)	B beta-BHC	4.515	4.021	108.8E6	682.1E6	48.512	51.167
7)	B delta-BHC	4.762	4.258	212.2E6	1218.0E6	40.980m	38.607
8)	B Heptachlo...	5.687	4.867	237.3E6	1384.8E6	48.359	50.004
9)	A Endosulfan I	6.071	5.241	221.3E6	1283.3E6	47.961	48.941
10)	B gamma-Chl...	5.943	5.120	238.3E6	1480.2E6	48.724	49.989
11)	B alpha-Chl...	6.024	5.184	236.3E6	1409.4E6	48.000	49.386
12)	B 4,4'-DDE	6.193	5.369	208.4E6	1415.0E6	47.484	49.095
13)	MA Dieldrin	6.344	5.507	231.0E6	1408.6E6	47.174	48.095
14)	MA Endrin	6.571	5.783	169.0E6	1141.2E6	40.787	42.850
15)	B Endosulfa...	6.783	6.074	193.0E6	1158.2E6	45.741	45.788
16)	A 4,4'-DDD	6.702	5.923	172.0E6	1185.7E6	49.733	49.313
17)	MA 4,4'-DDT	7.018	6.176	148.1E6	992.7E6	38.868	39.598
18)	B Endrin al...	6.911	6.252	145.0E6	862.0E6	50.587m	50.059
19)	B Endosulfa...	7.146	6.476	162.0E6	1016.4E6	41.343	41.689
20)	A Methoxychlor	7.490	6.747	71858060	466.9E6	35.828	36.204
21)	B Endrin ke...	7.627	6.985	194.3E6	1160.4E6	46.886	43.550
22)	Mirex	8.109	7.178	128.9E6	774.4E6	40.876	37.492

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 15:38
Operator : AR\AJ
Sample : PB169592BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169592BS

Manual Integrations

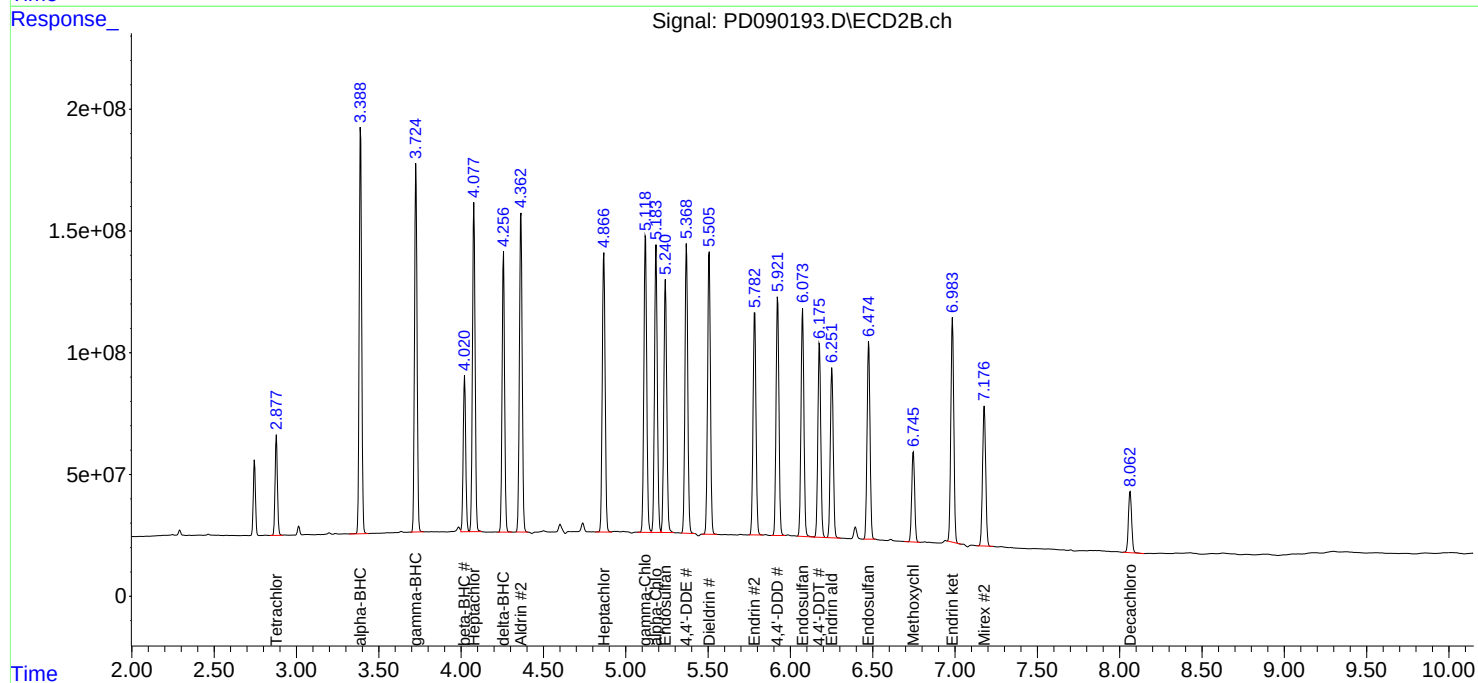
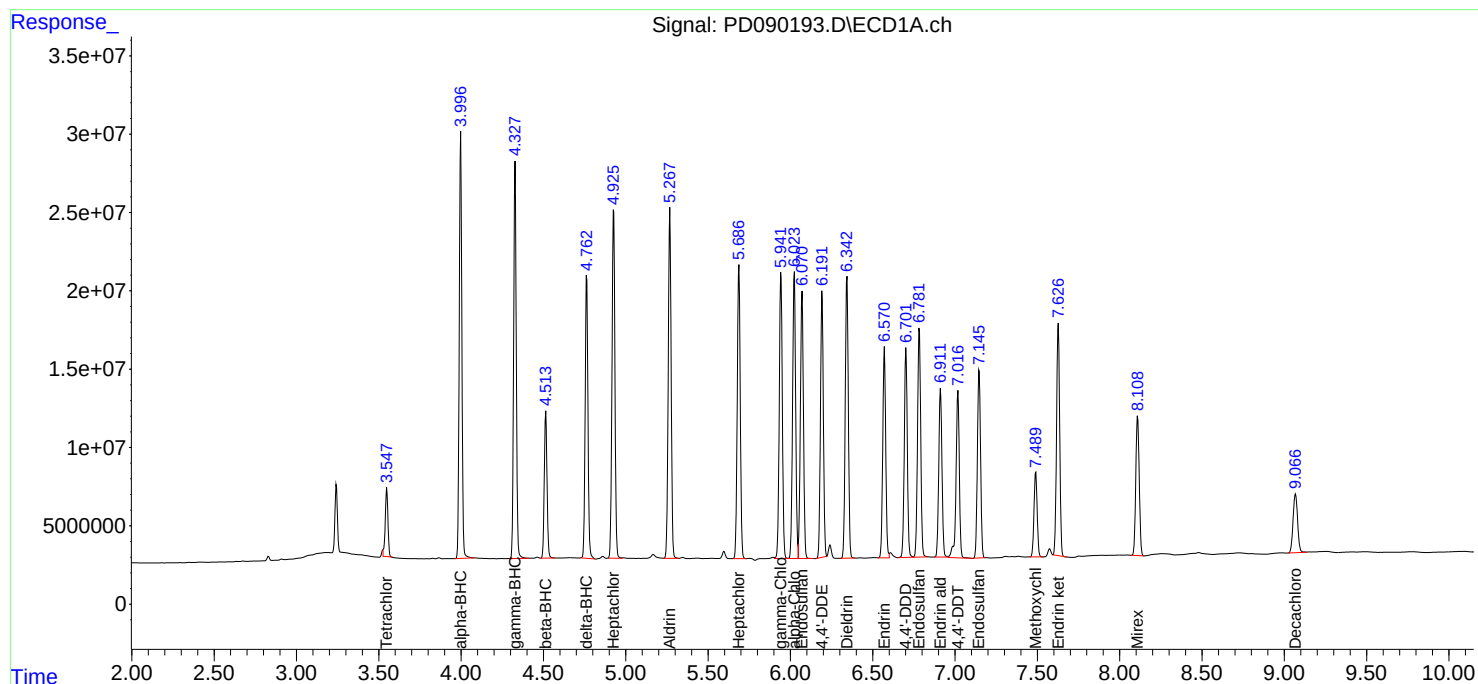
APPROVED

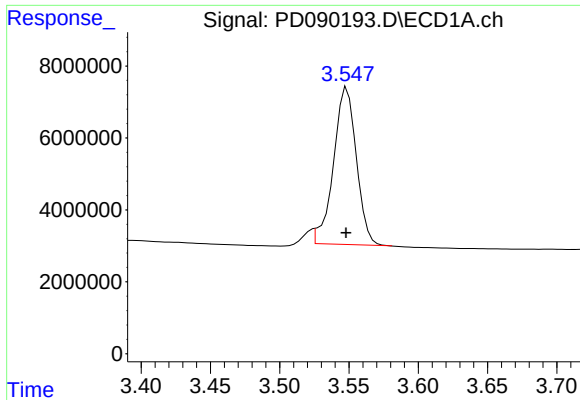
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:42:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 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





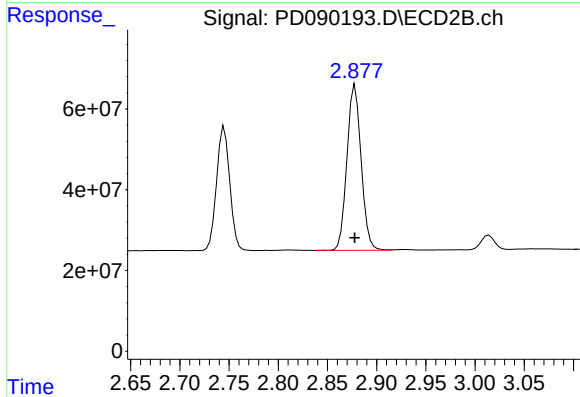
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 49809925
Conc: 16.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

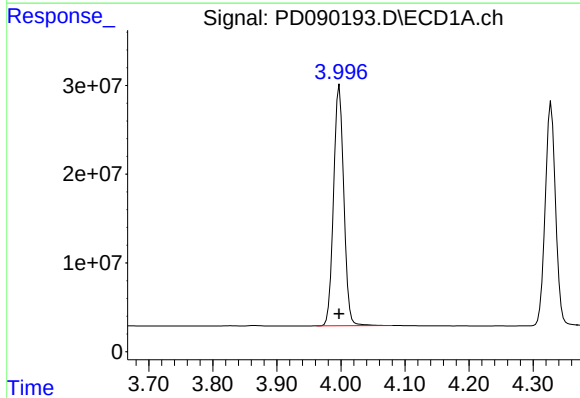
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



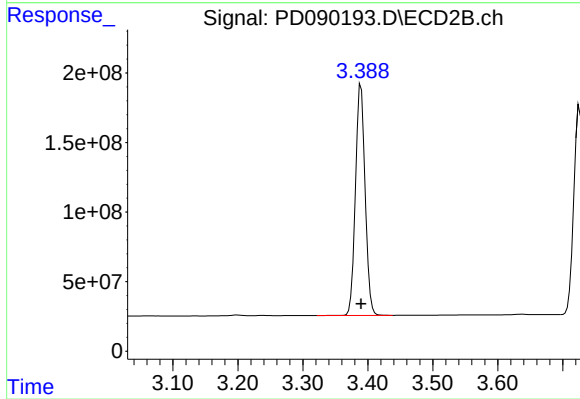
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 411458046
Conc: 18.66 ng/ml



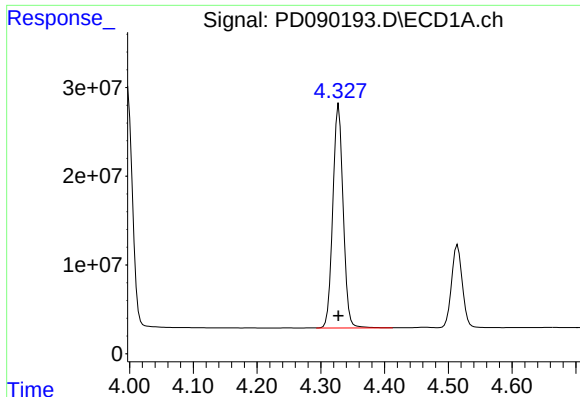
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 300894036
Conc: 50.13 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1715456878
Conc: 50.55 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 283908518
Conc: 49.58 ng/ml

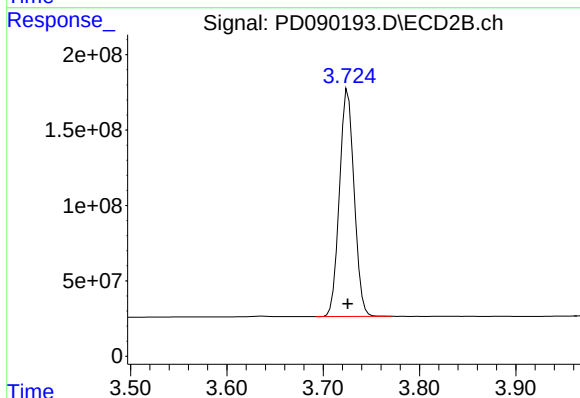
Instrument :

ECD_D

ClientSampleId :
PB169592BS

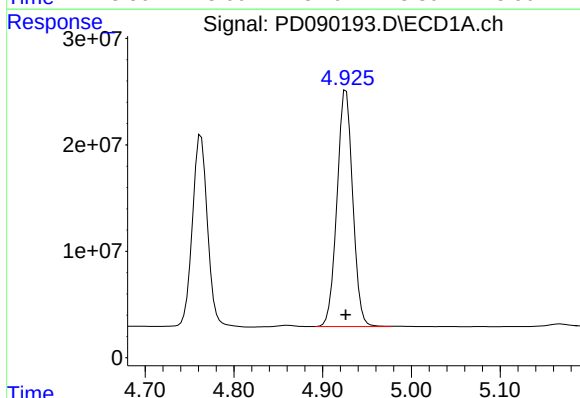
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



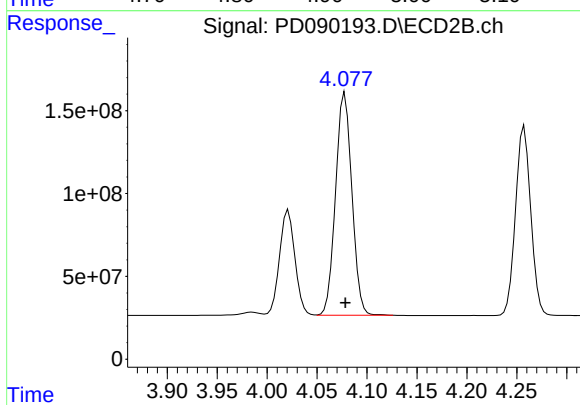
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1593951598
Conc: 51.14 ng/ml



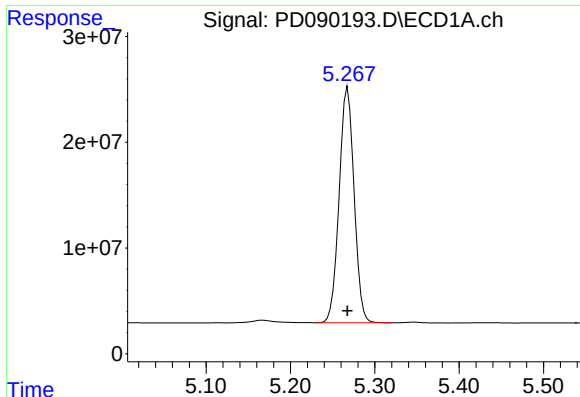
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: 0.000 min
Response: 273357500
Conc: 48.73 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1531871275
Conc: 49.11 ng/ml



#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 274314008
Conc: 50.66 ng/ml

Instrument :

ECD_D

ClientSampleId :

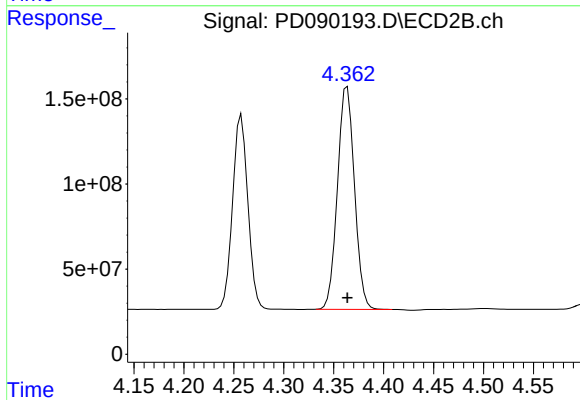
PB169592BS

Manual Integrations

APPROVED

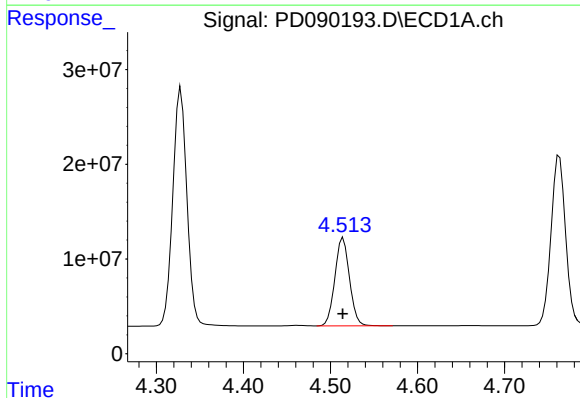
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



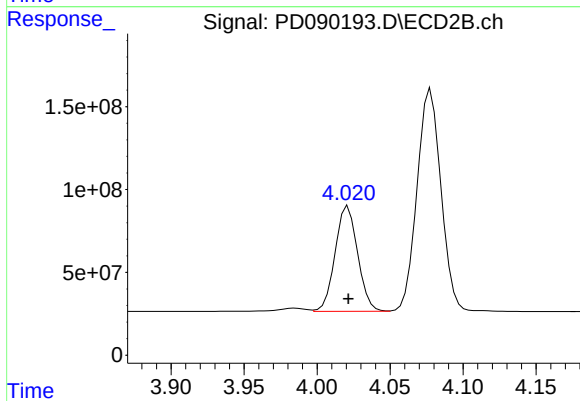
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1551908857
Conc: 50.96 ng/ml



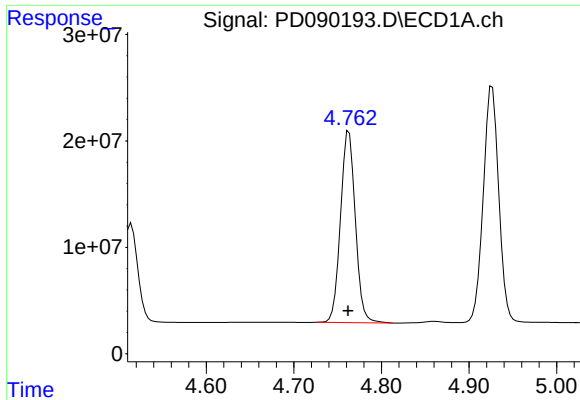
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 108813061
Conc: 48.51 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 682069497
Conc: 51.17 ng/ml



#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 212181436
Conc: 40.98 ng/ml

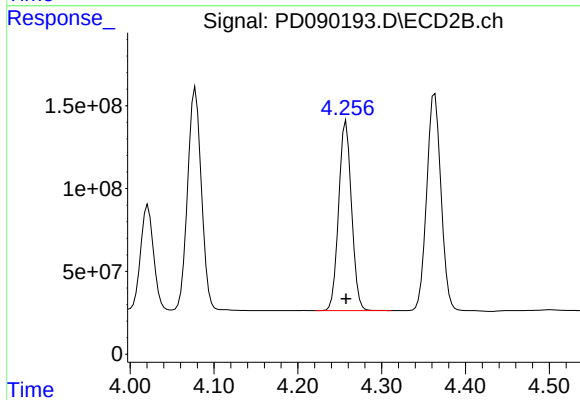
Instrument :

ECD_D

ClientSampleId :
PB169592BS

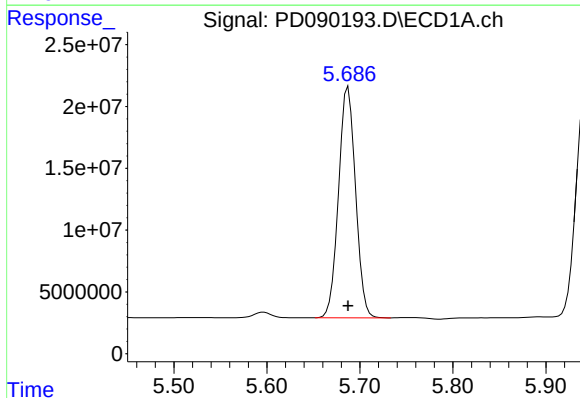
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



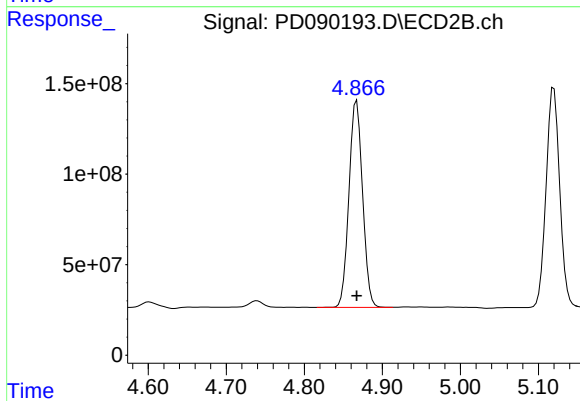
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1218048972
Conc: 38.61 ng/ml



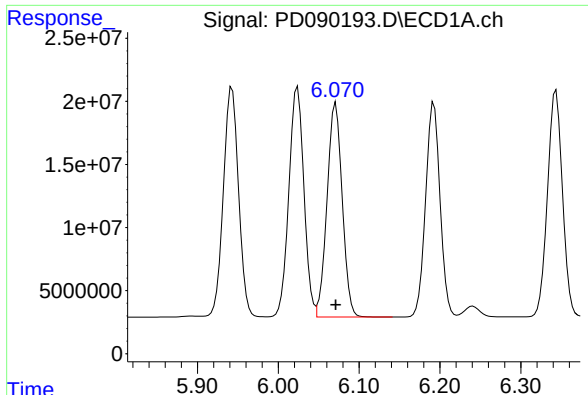
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.000 min
Response: 237289822
Conc: 48.36 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1384839036
Conc: 50.00 ng/ml



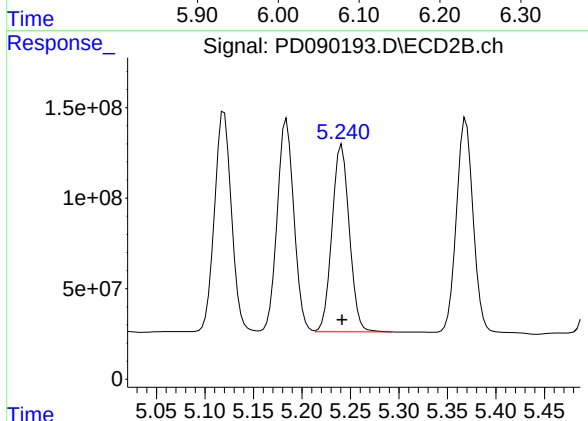
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 221335055
Conc: 47.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

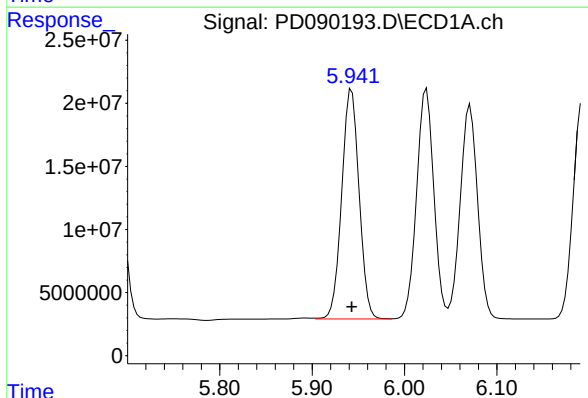
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



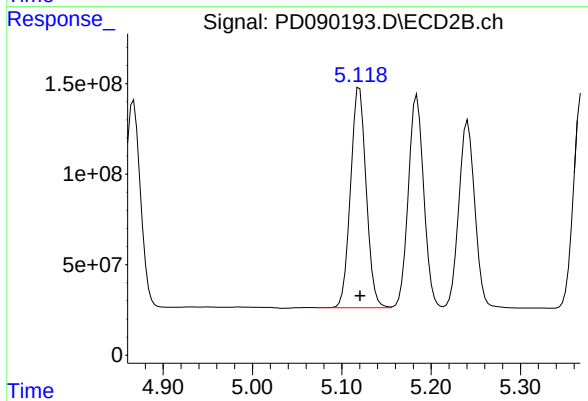
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1283331984
Conc: 48.94 ng/ml



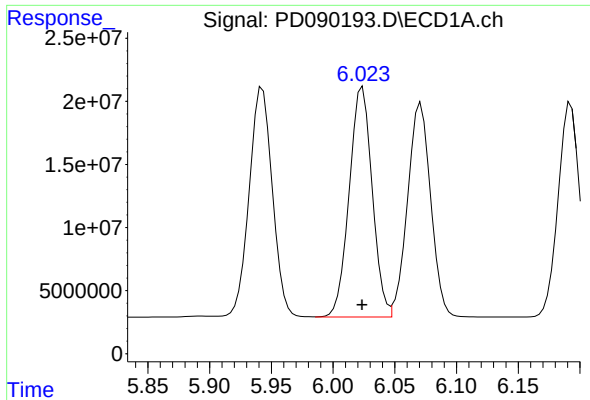
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 238306492
Conc: 48.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1480234596
Conc: 49.99 ng/ml



#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 236275867
Conc: 48.00 ng/ml

Instrument :

ECD_D

ClientSampleId :

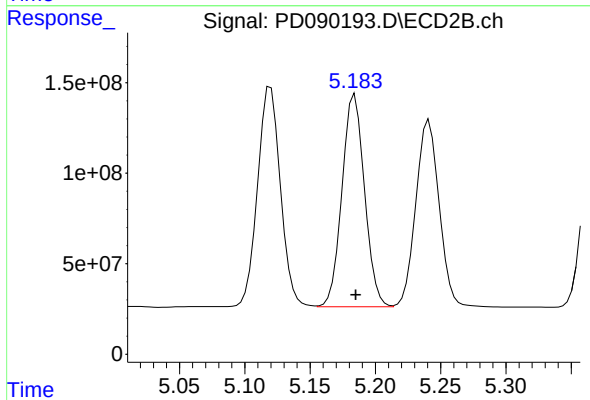
PB169592BS

Manual Integrations

APPROVED

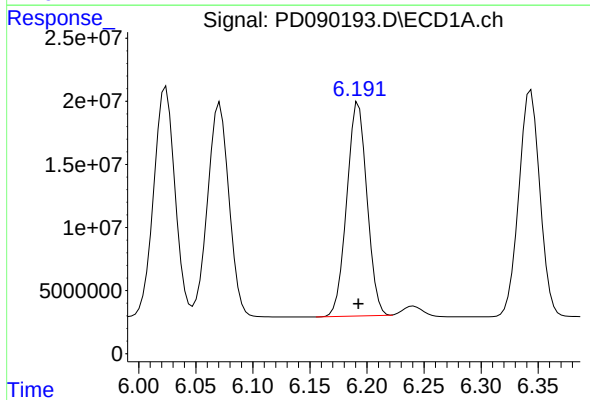
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



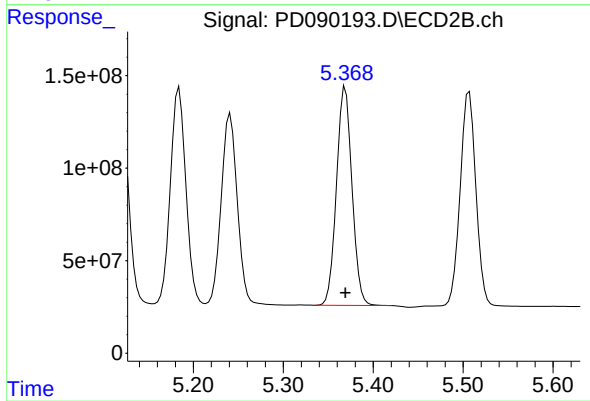
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1409396315
Conc: 49.39 ng/ml



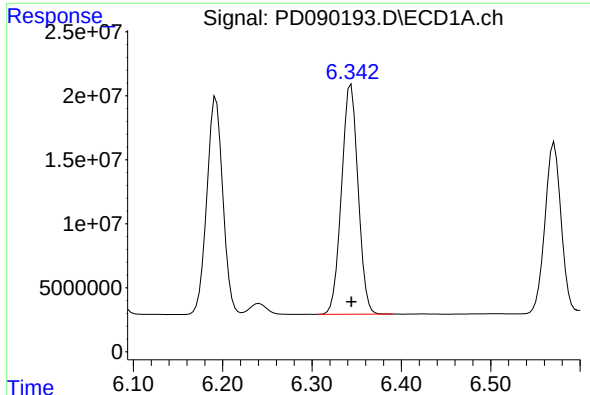
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 208376443
Conc: 47.48 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1415043351
Conc: 49.09 ng/ml



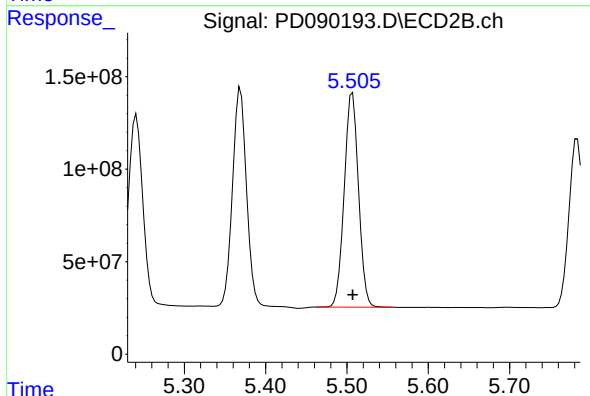
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 230951980
Conc: 47.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

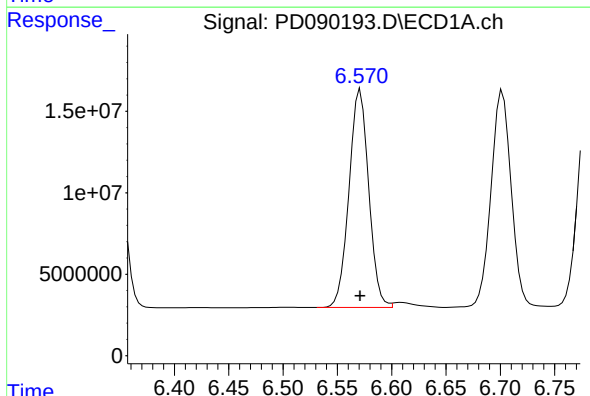
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



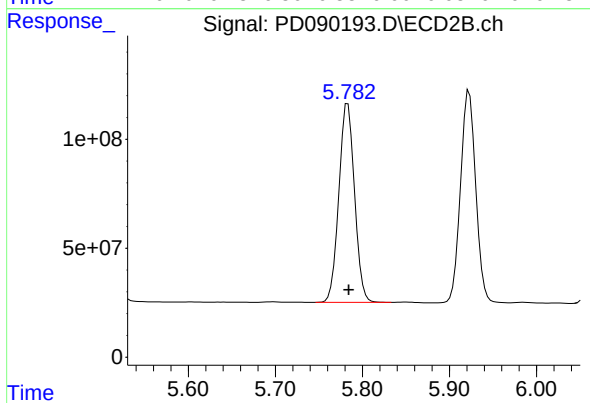
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1408568250
Conc: 48.10 ng/ml



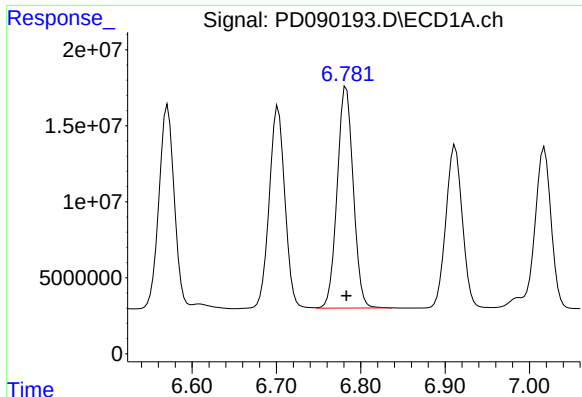
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 169004201
Conc: 40.79 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1141201865
Conc: 42.85 ng/ml



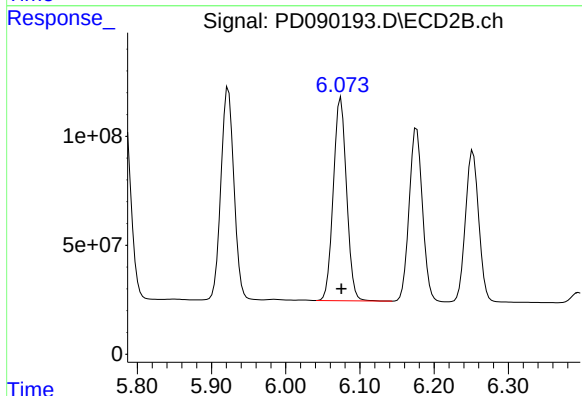
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.000 min
Response: 193016178
Conc: 45.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

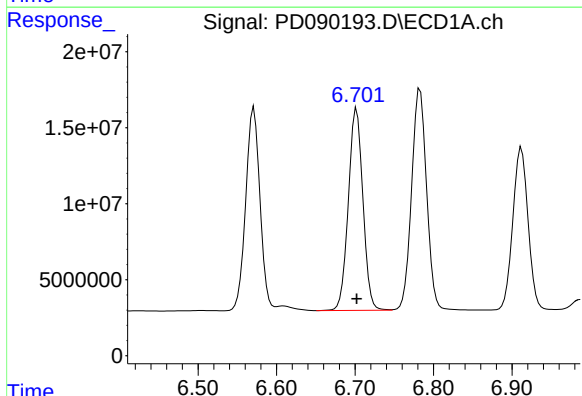
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



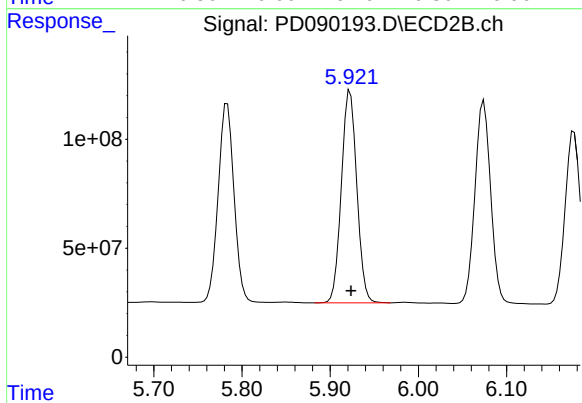
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 1158187131
Conc: 45.79 ng/ml



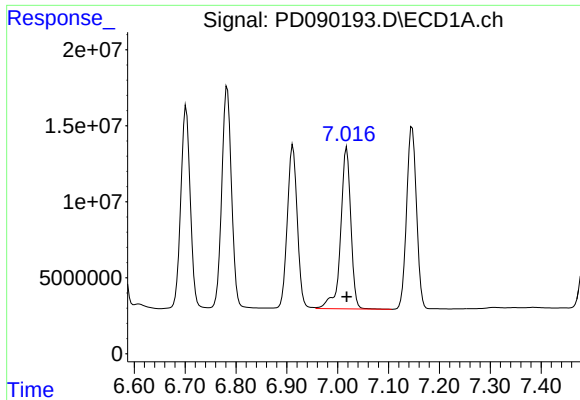
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 172032855
Conc: 49.73 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.001 min
Response: 1185672485
Conc: 49.31 ng/ml



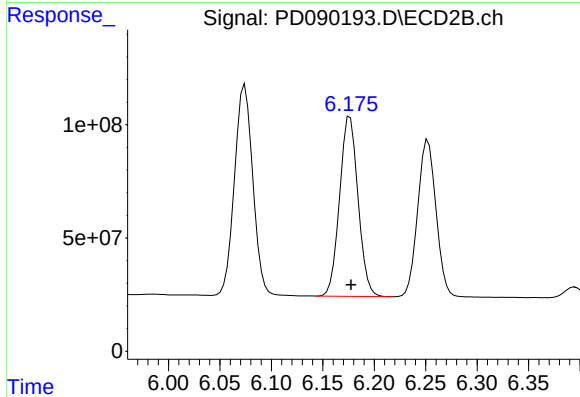
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 148077084
Conc: 38.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

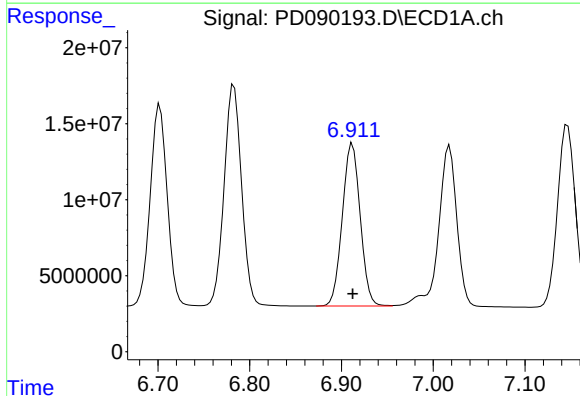
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



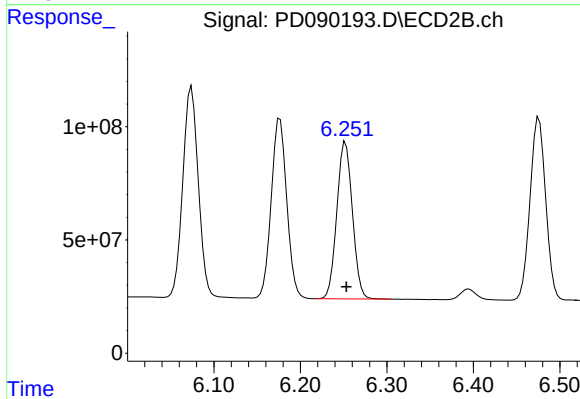
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.001 min
Response: 992700851
Conc: 39.60 ng/ml



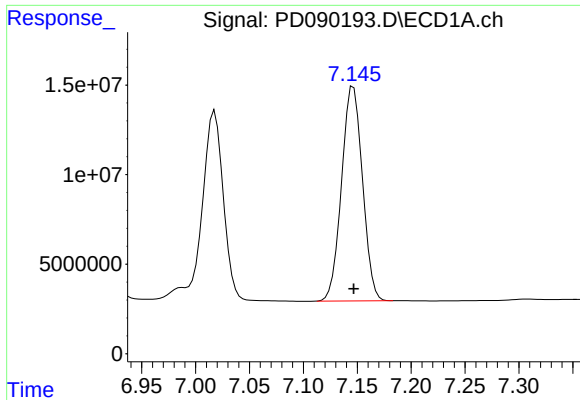
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 145040197
Conc: 50.59 ng/ml m



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 862010285
Conc: 50.06 ng/ml



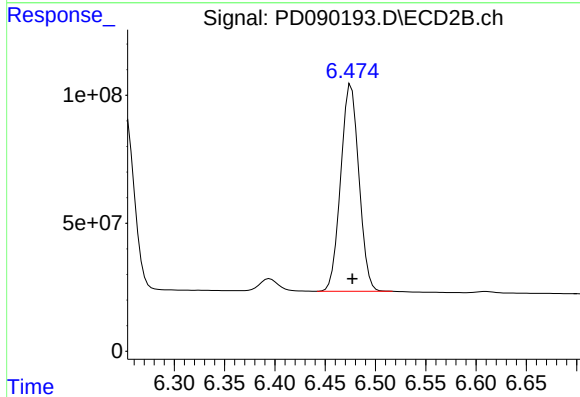
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: 0.000 min
Response: 162000889
Conc: 41.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

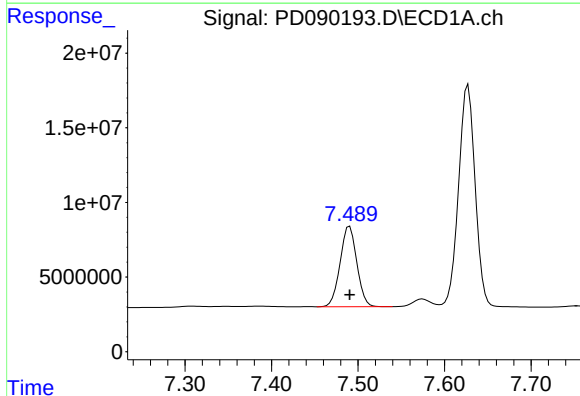
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



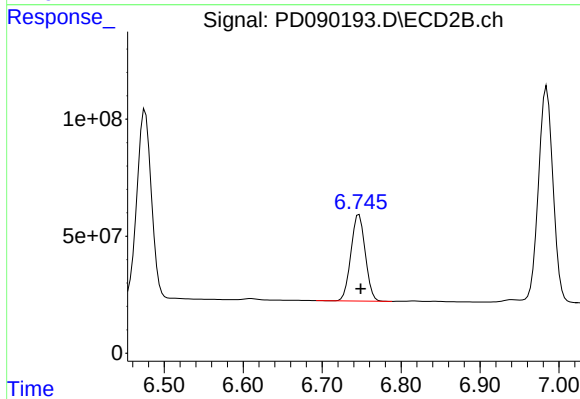
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 1016358203
Conc: 41.69 ng/ml



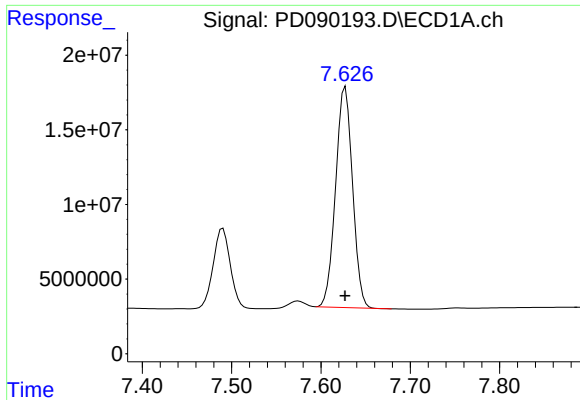
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.000 min
Response: 71858060
Conc: 35.83 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 466884030
Conc: 36.20 ng/ml



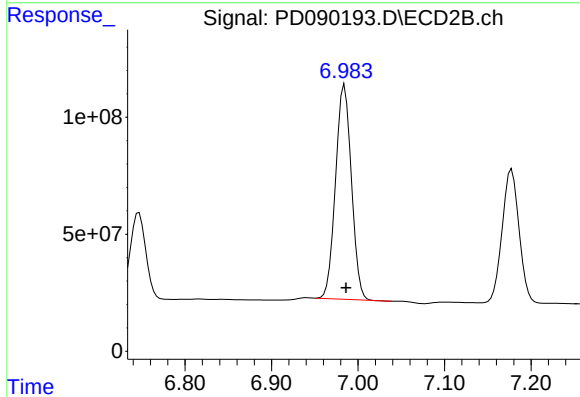
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 194318409
Conc: 46.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

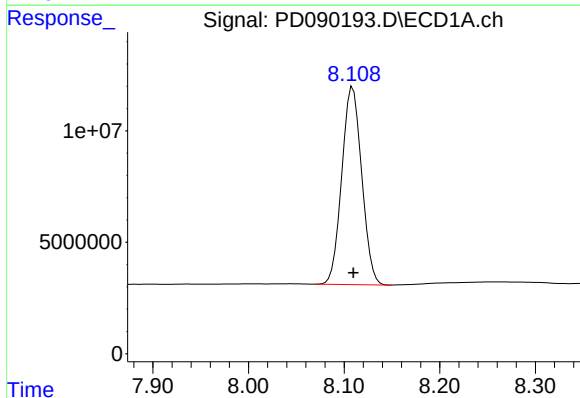
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



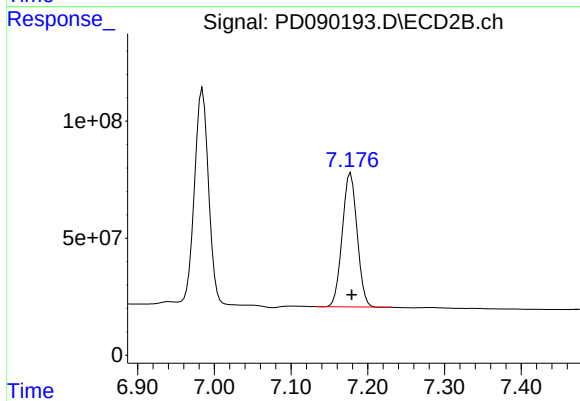
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.002 min
Response: 1160379974
Conc: 43.55 ng/ml



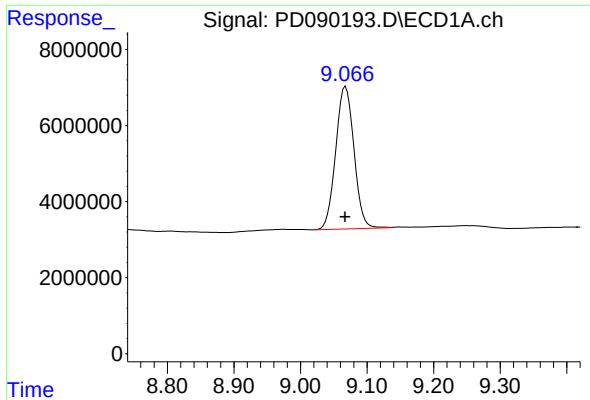
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 128943842
Conc: 40.88 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.002 min
Response: 774434567
Conc: 37.49 ng/ml



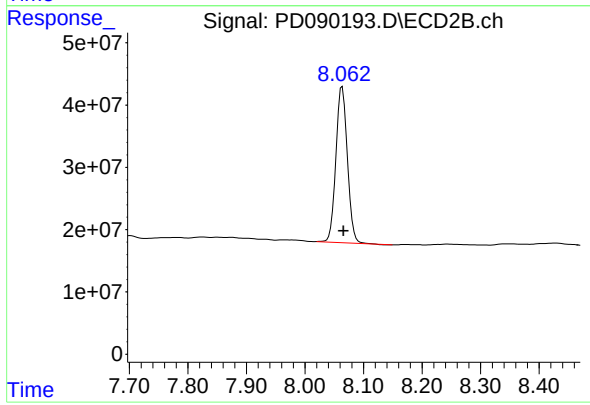
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 71377237
Conc: 16.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.002 min
Response: 340703734
Conc: 13.16 ng/ml