

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082925\
 Data File : PD090095.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Aug 2025 17:09
 Operator : AR\AJ
 Sample : PB169465BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169465BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/02/2025
 Supervised By : mohammad ahmed 09/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 29 23:21:59 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...	3.552	2.878	60497658	460.5E6	20.614	20.882
28)	SA Decachlor...	9.075	8.067	99188844	529.8E6	22.982	20.465
Target Compounds							
2)	A alpha-BHC	4.002	3.390	278.5E6	1477.4E6	46.393	43.532
3)	MA gamma-BHC...	4.332	3.726	267.2E6	1368.3E6	46.665	43.896
4)	MA Heptachlor	4.931	4.078	263.7E6	1368.8E6	47.008	43.883
5)	MB Aldrin	5.272	4.364	257.7E6	1343.3E6	47.598	44.106
6)	B beta-BHC	4.519	4.022	102.4E6	576.7E6	45.660	43.266
7)	B delta-BHC	4.768	4.258	262.5E6	1393.3E6	50.702	44.162
8)	B Heptachlo...	5.692	4.868	236.2E6	1239.0E6	48.141	44.739
9)	A Endosulfan I	6.076	5.243	219.4E6	1106.5E6	47.542	42.198
10)	B gamma-Chl...	5.948	5.121	234.5E6	1327.7E6	47.948	44.839
11)	B alpha-Chl...	6.029	5.186	234.8E6	1264.7E6	47.700	44.317
12)	B 4,4'-DDE	6.198	5.370	203.7E6	1286.1E6	46.408	44.619
13)	MA Dieldrin	6.349	5.508	232.4E6	1323.1E6	47.478	45.177
14)	MA Endrin	6.577	5.785	199.1E6	1358.5E6	48.057	51.011
15)	B Endosulfa...	6.789	6.076	201.3E6	1115.9E6	47.712	44.118
16)	A 4,4'-DDD	6.708	5.925	173.3E6	1071.5E6	50.107	44.567
17)	MA 4,4'-DDT	7.023	6.178	176.1E6	1085.1E6	46.218	43.282
18)	B Endrin al...	6.917	6.254	147.2E6	828.1E6	51.336	48.091
19)	B Endosulfa...	7.152	6.477	183.8E6	1061.9E6	46.917	43.558
20)	A Methoxychlor	7.496	6.750	88167921	548.1E6	43.960	42.501
21)	B Endrin ke...	7.633	6.985	196.9E6	1329.8E6	47.497	49.908m
22)	Mirex	8.116	7.180	143.1E6	842.7E6	45.366	40.796

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082925\
Data File : PD090095.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Aug 2025 17:09
Operator : AR\AJ
Sample : PB169465BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169465BS

Manual Integrations

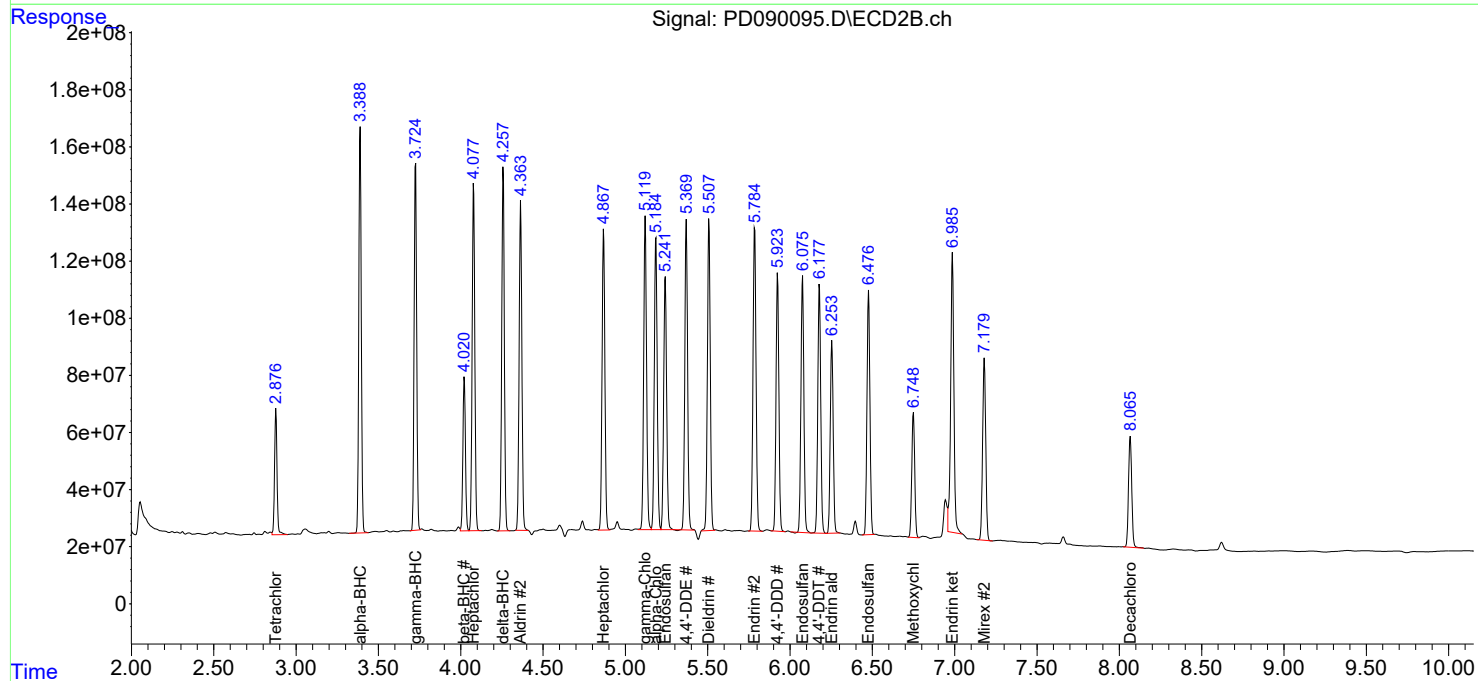
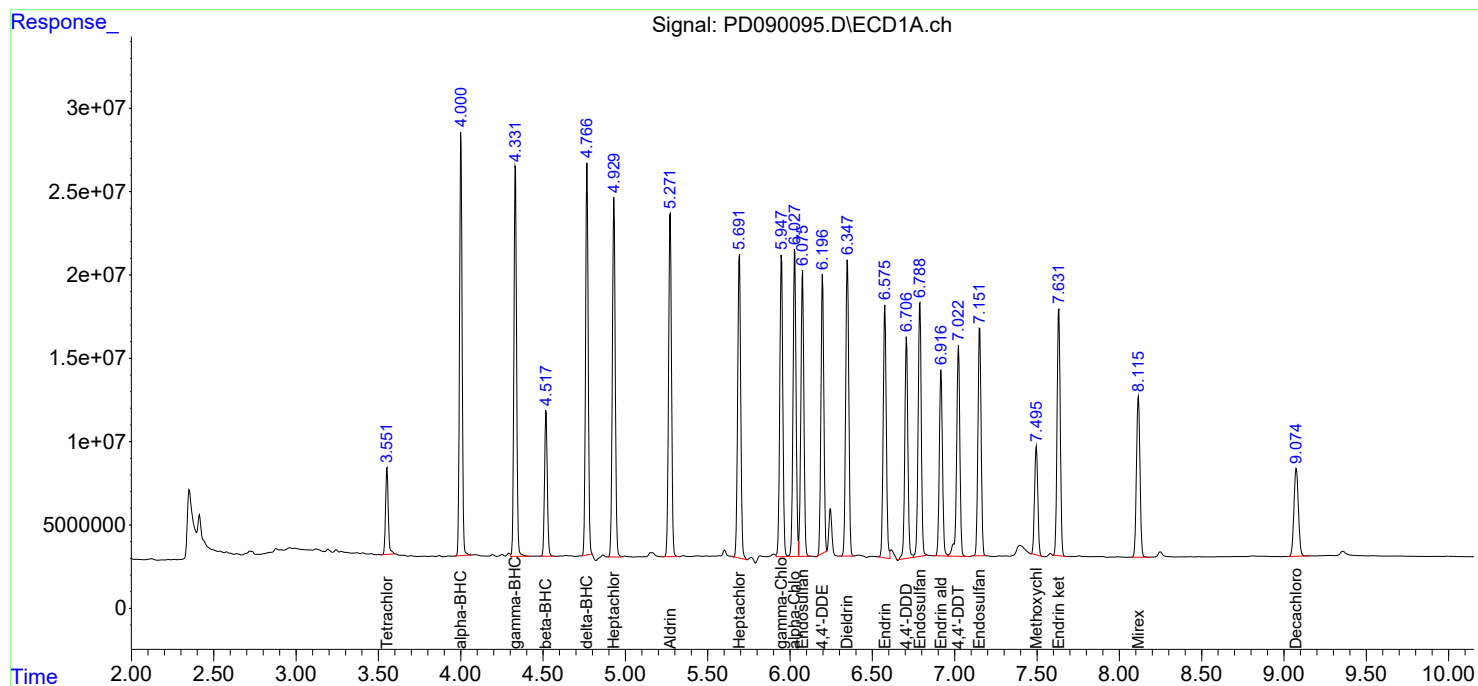
APPROVED

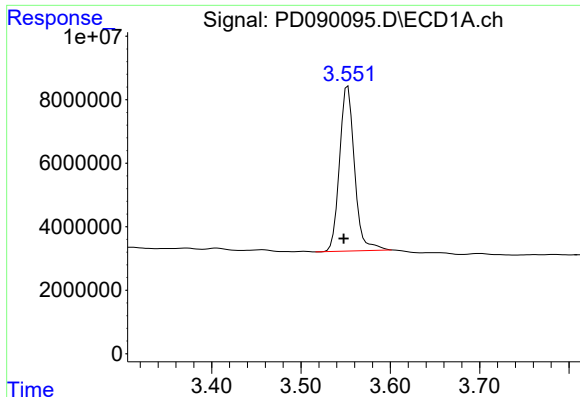
Reviewed By :Abdul Mirza 09/02/2025

Supervised By :mohammad ahmed 09/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 29 23:21:59 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.: 3.552 min
Delta R.T.: 0.004 min
Response: 60497658
Conc: 20.61 ng/ml

Instrument :

ECD_D

ClientSampleId :

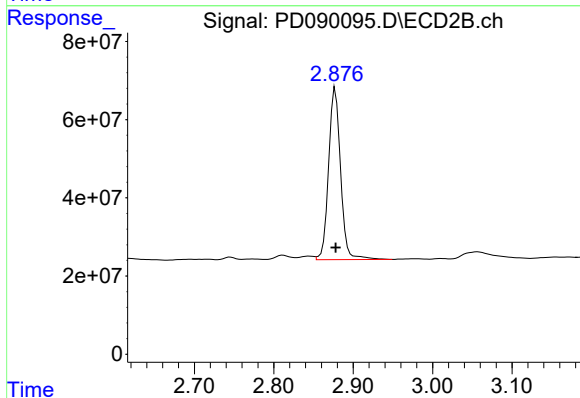
PB169465BS

Manual Integrations

APPROVED

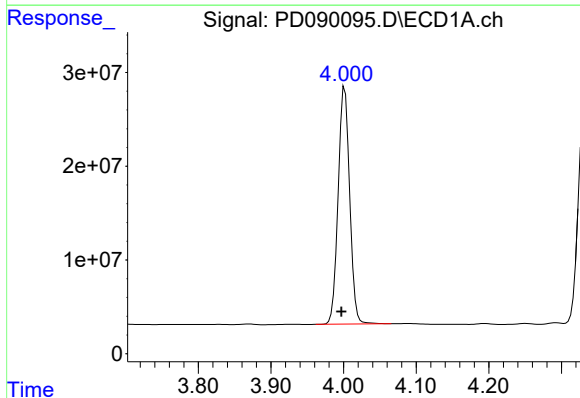
Reviewed By :Abdul Mirza 09/02/2025

Supervised By :mohammad ahmed 09/03/2025



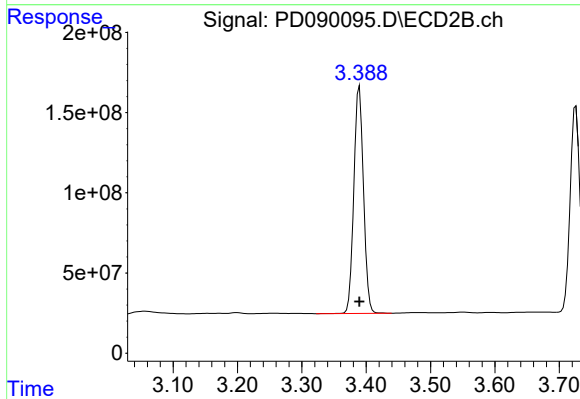
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 460460752
Conc: 20.88 ng/ml



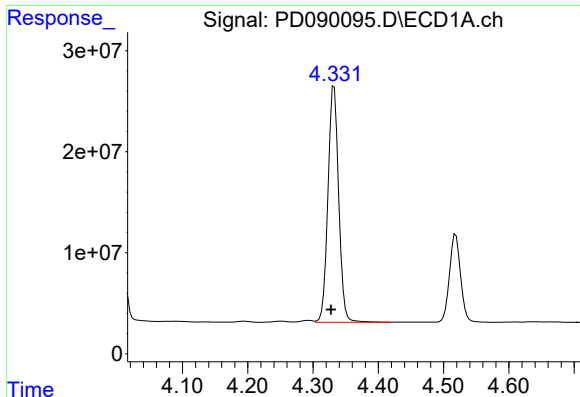
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.005 min
Response: 278459405
Conc: 46.39 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1477411427
Conc: 43.53 ng/ml



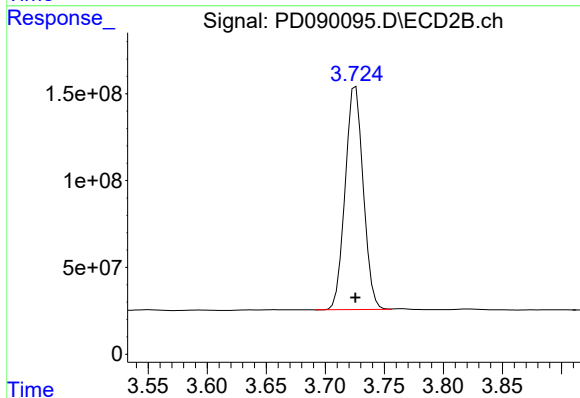
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.004 min
Response: 267244562
Conc: 46.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BS

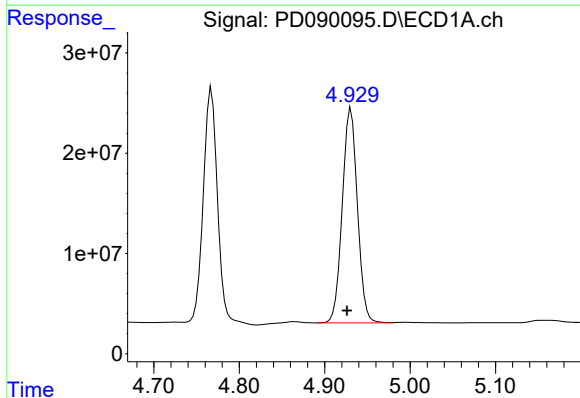
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



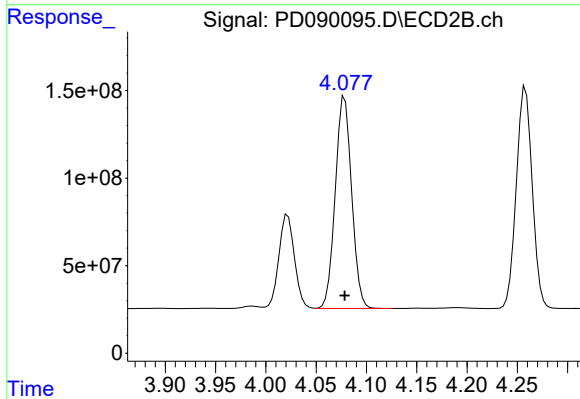
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1368269651
Conc: 43.90 ng/ml



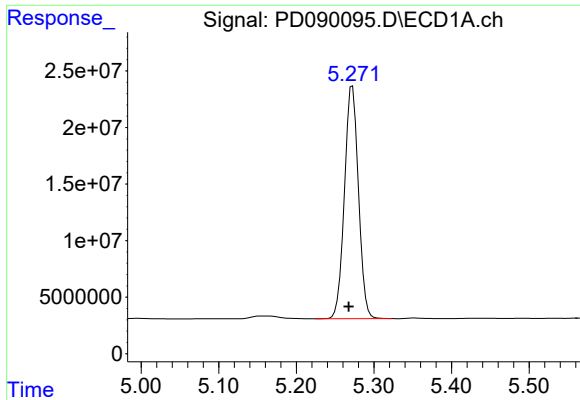
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.005 min
Response: 263677502
Conc: 47.01 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1368771954
Conc: 43.88 ng/ml



#5 Aldrin

R.T.: 5.272 min
Delta R.T.: 0.005 min
Response: 257718070
Conc: 47.60 ng/ml

Instrument :

ECD_D

ClientSampleId :

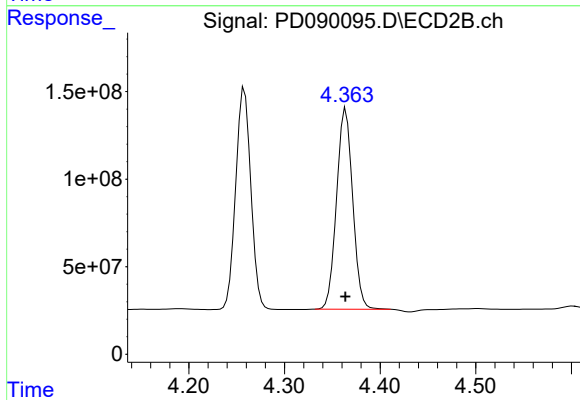
PB169465BS

Manual Integrations

APPROVED

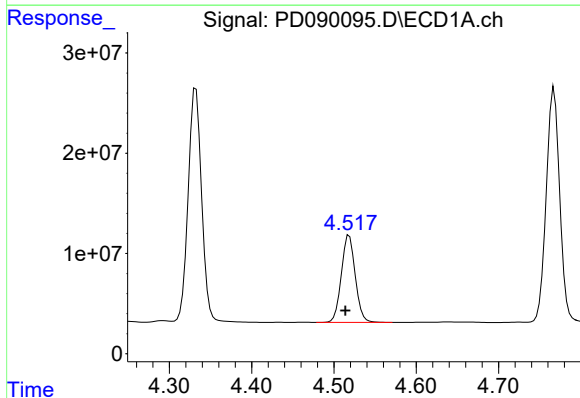
Reviewed By :Abdul Mirza 09/02/2025

Supervised By :mohammad ahmed 09/03/2025



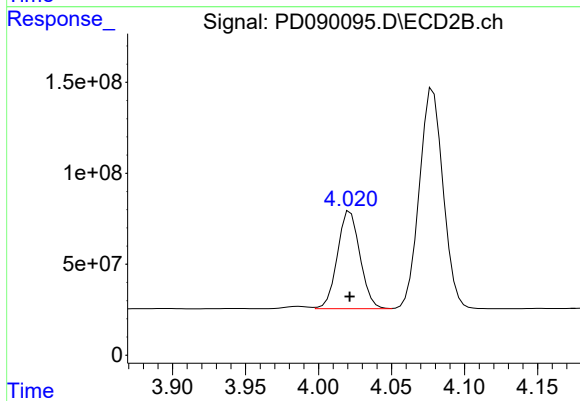
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1343289205
Conc: 44.11 ng/ml



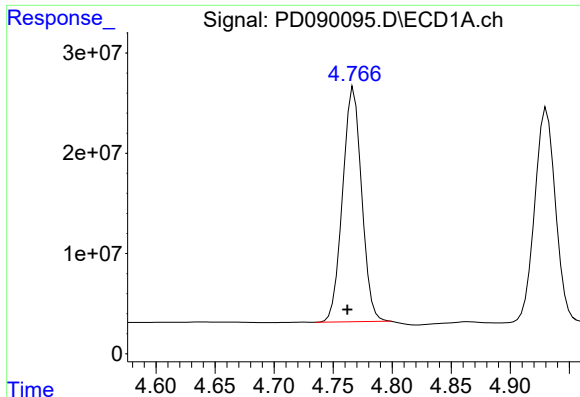
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.005 min
Response: 102416881
Conc: 45.66 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 576737625
Conc: 43.27 ng/ml



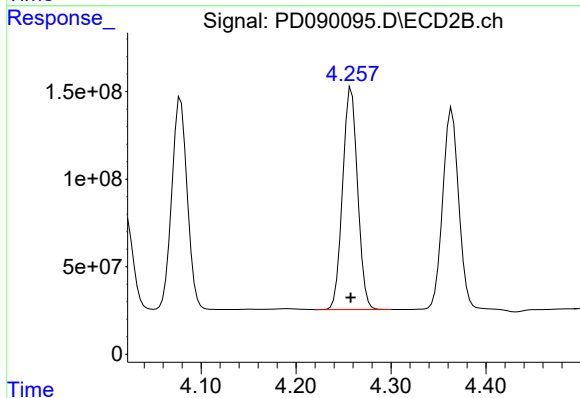
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.006 min
Response: 262518360
Conc: 50.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BS

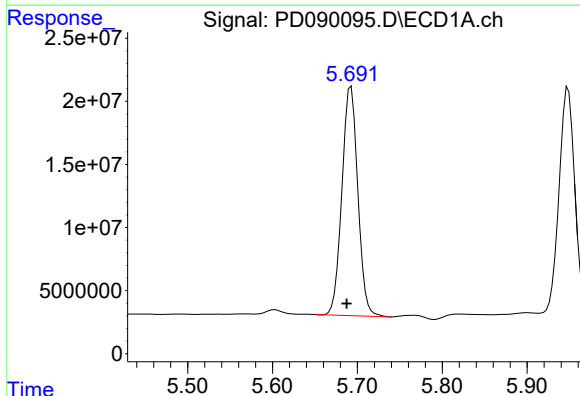
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



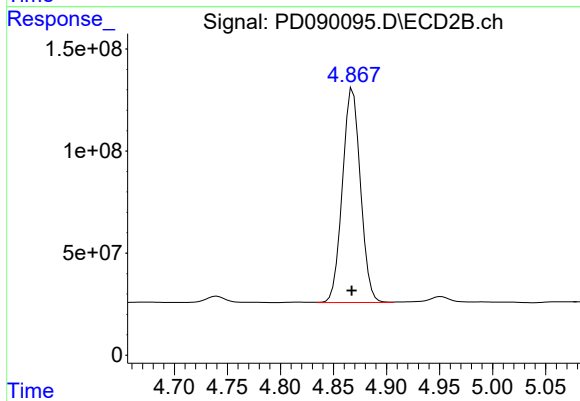
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1393287471
Conc: 44.16 ng/ml



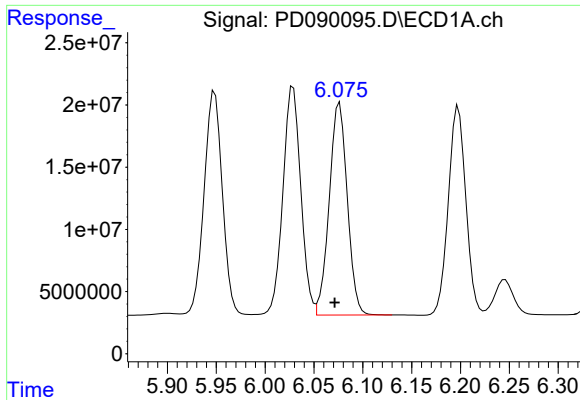
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.005 min
Response: 236217570
Conc: 48.14 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.001 min
Response: 1239039770
Conc: 44.74 ng/ml



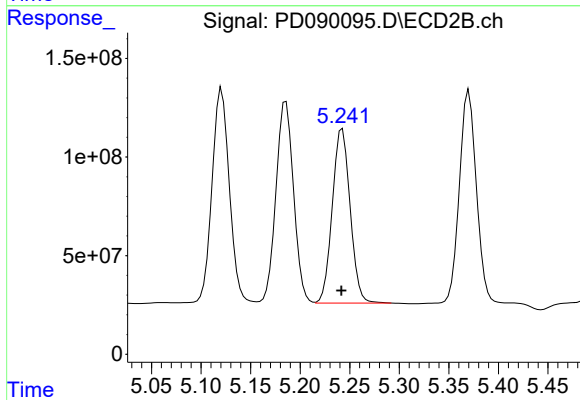
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.005 min
Response: 219402902
Conc: 47.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BS

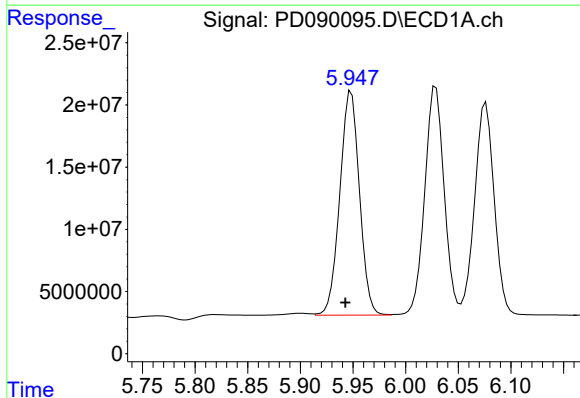
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



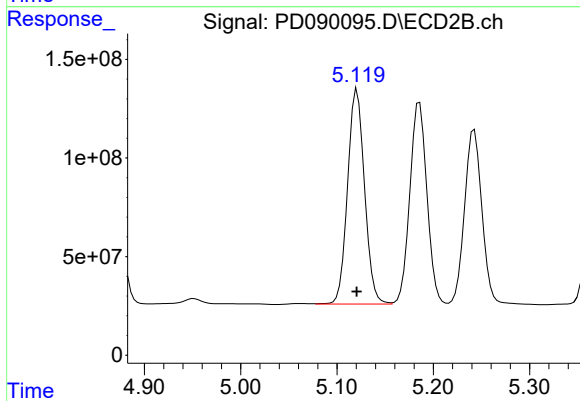
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.001 min
Response: 1106508986
Conc: 42.20 ng/ml



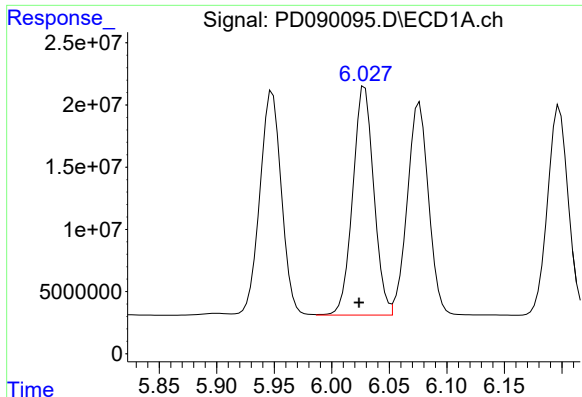
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.006 min
Response: 234512350
Conc: 47.95 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1327736641
Conc: 44.84 ng/ml



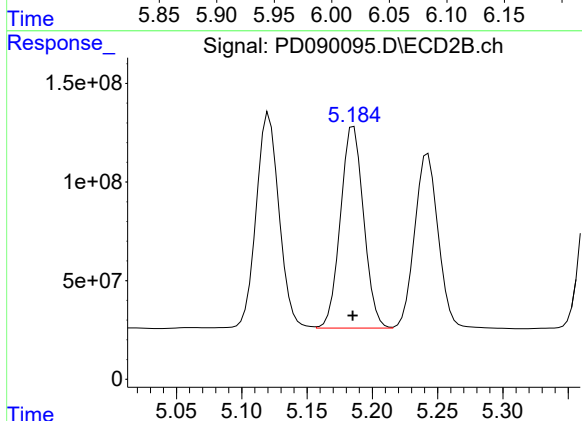
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.005 min
Response: 234799509
Conc: 47.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BS

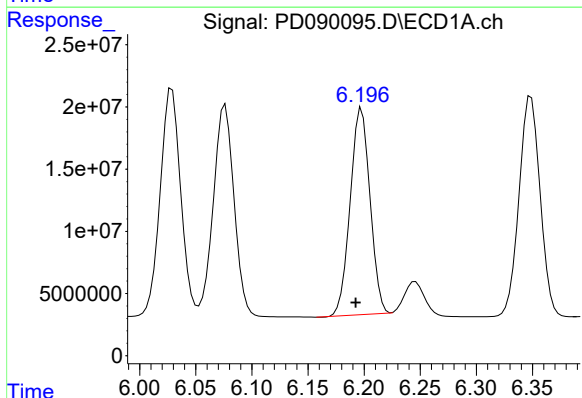
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



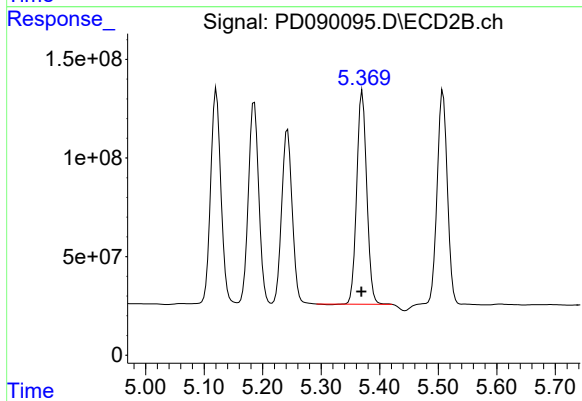
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1264719668
Conc: 44.32 ng/ml



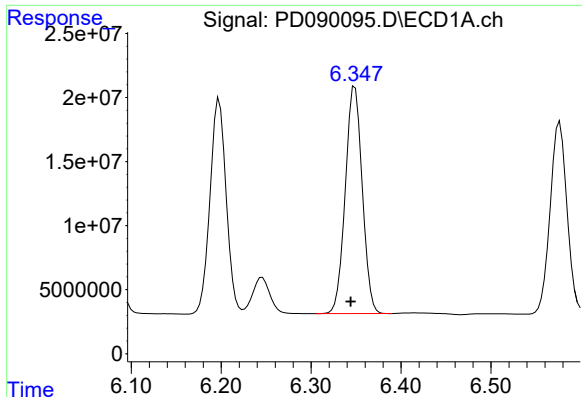
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.005 min
Response: 203651343
Conc: 46.41 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.001 min
Response: 1286057088
Conc: 44.62 ng/ml



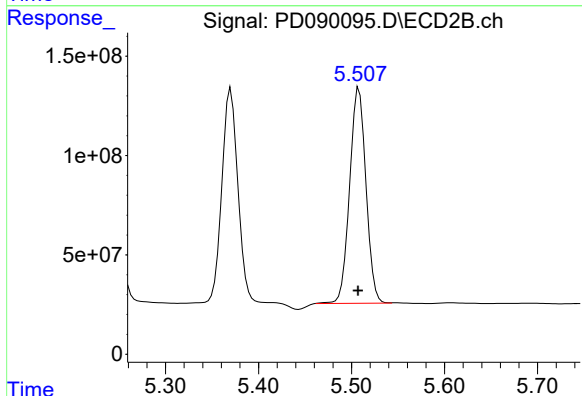
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.005 min
Response: 232442200
Conc: 47.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BS

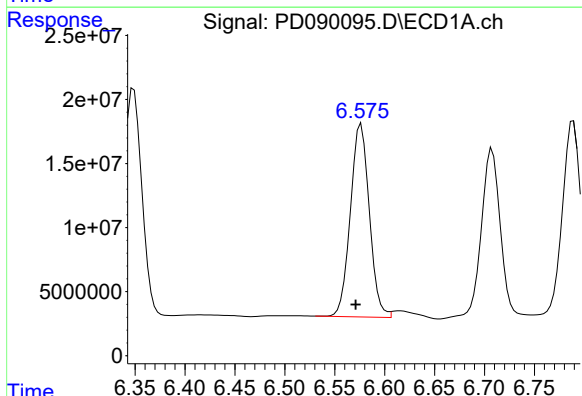
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



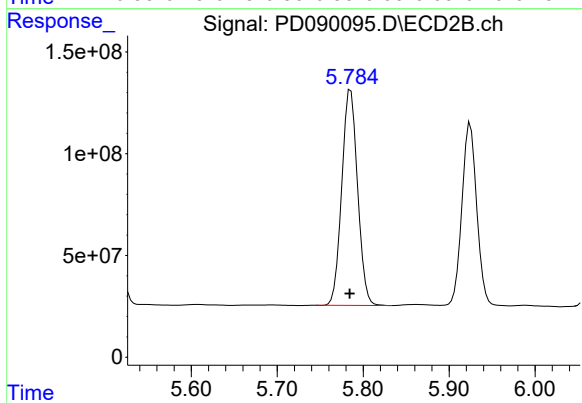
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1323106471
Conc: 45.18 ng/ml



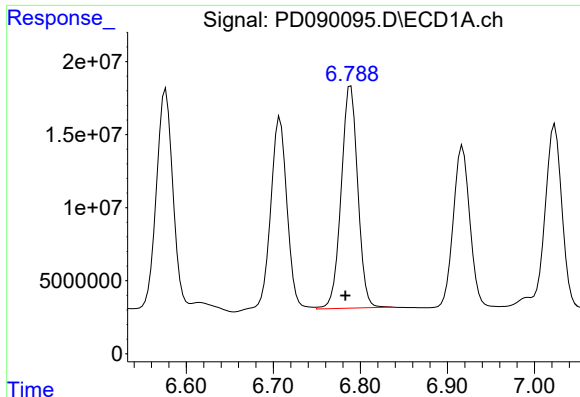
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.006 min
Response: 199126952
Conc: 48.06 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 1358541231
Conc: 51.01 ng/ml



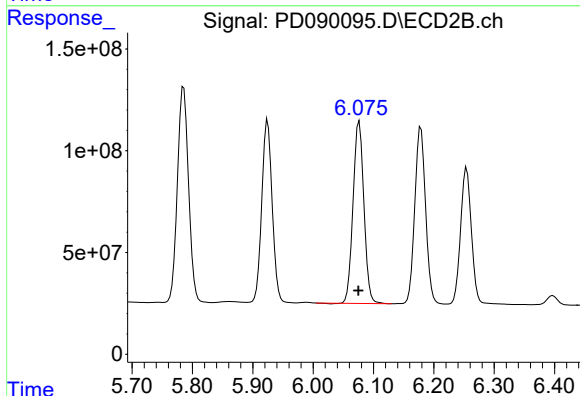
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.006 min
Response: 201330320
Conc: 47.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BS

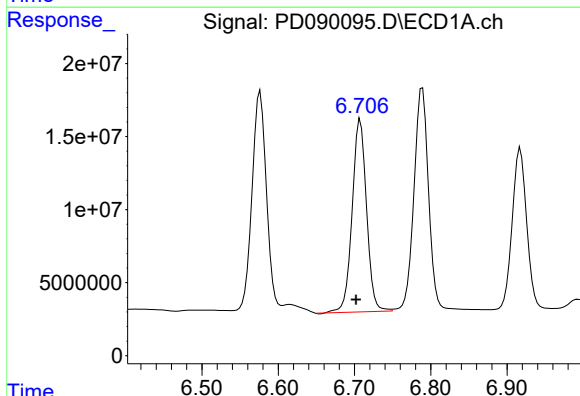
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



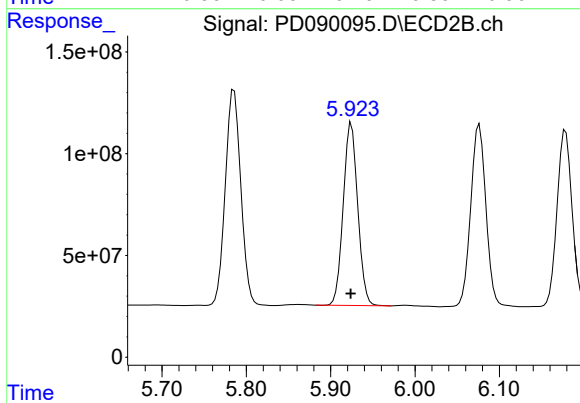
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.001 min
Response: 1115947473
Conc: 44.12 ng/ml



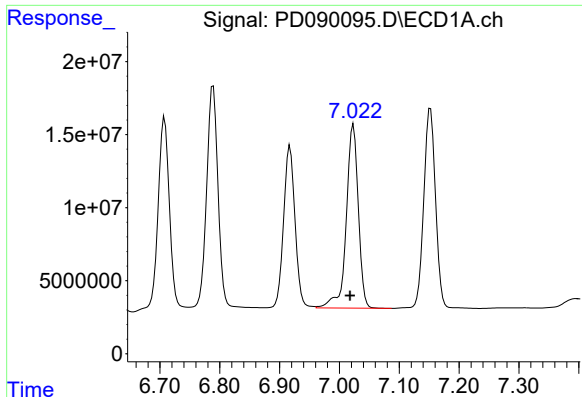
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.006 min
Response: 173325444
Conc: 50.11 ng/ml



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 1071545918
Conc: 44.57 ng/ml



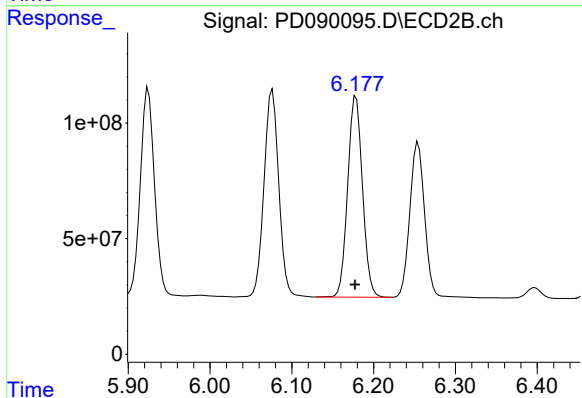
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.005 min
Response: 176079409
Conc: 46.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BS

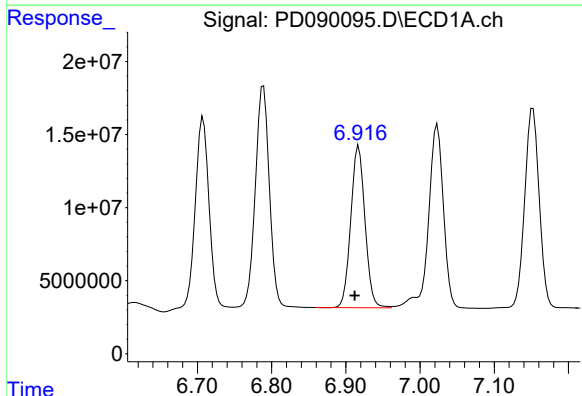
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



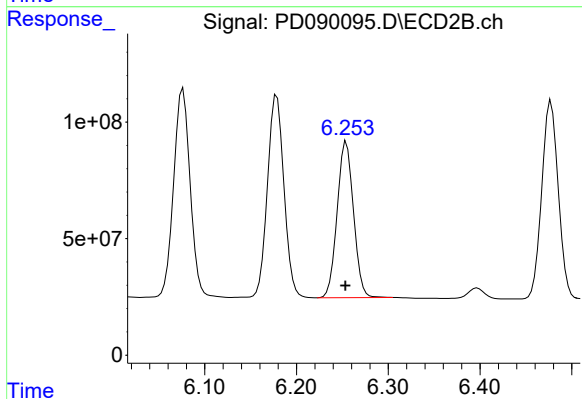
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1085063026
Conc: 43.28 ng/ml



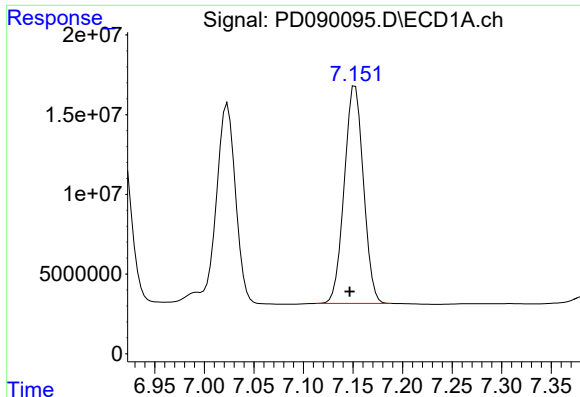
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.005 min
Response: 147189072
Conc: 51.34 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.001 min
Response: 828128686
Conc: 48.09 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.005 min
Response: 183843554
Conc: 46.92 ng/ml

Instrument :

ECD_D

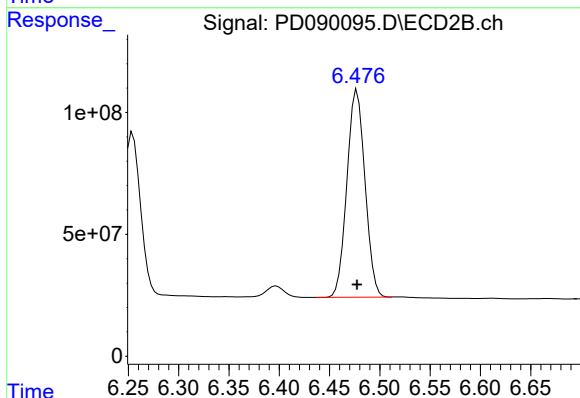
ClientSampleId :

PB169465BS

Manual Integrations

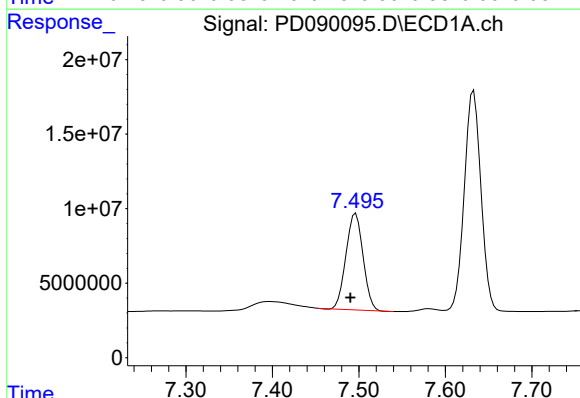
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



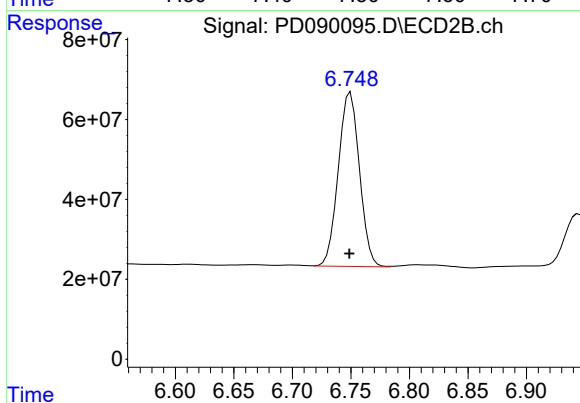
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1061932642
Conc: 43.56 ng/ml



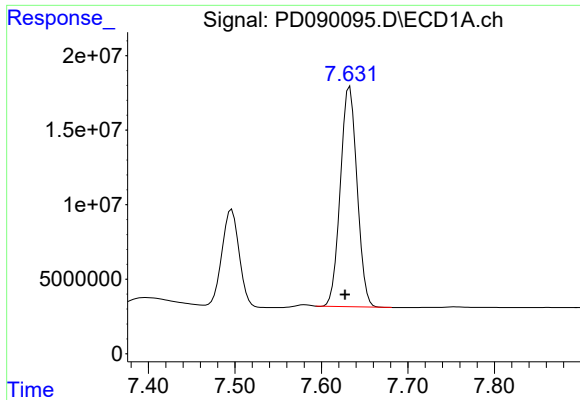
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.006 min
Response: 88167921
Conc: 43.96 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 548083045
Conc: 42.50 ng/ml



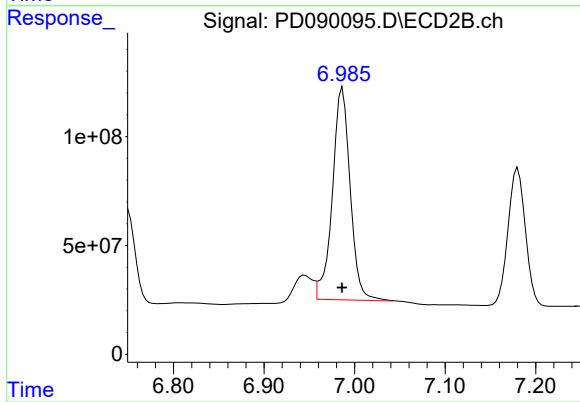
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.006 min
Response: 196850863
Conc: 47.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BS

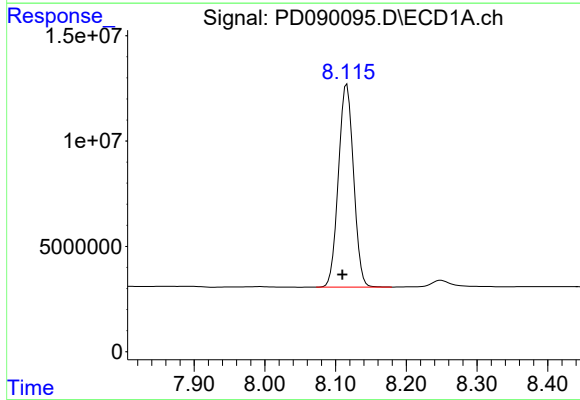
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



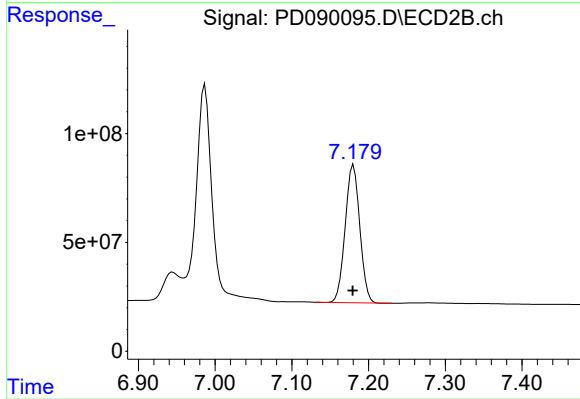
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: 0.000 min
Response: 1329771974
Conc: 49.91 ng/ml m



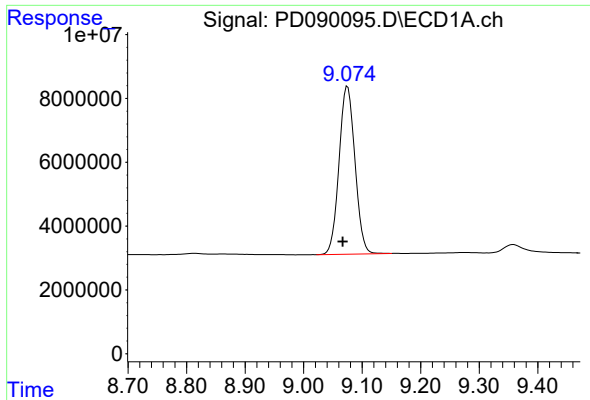
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.006 min
Response: 143104418
Conc: 45.37 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.001 min
Response: 842665599
Conc: 40.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.008 min
Response: 99188844
Conc: 22.98 ng/ml

Instrument :

ECD_D

ClientSampleId :

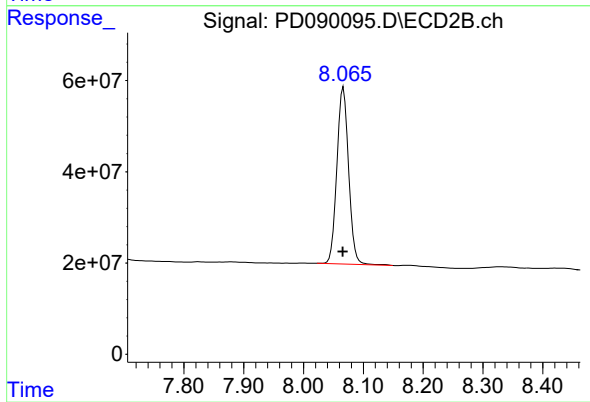
PB169465BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/02/2025

Supervised By :mohammad ahmed 09/03/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.001 min
Response: 529758795
Conc: 20.47 ng/ml