

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090859.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 20:37
 Operator : AR\AJ
 Sample : Q3447-02MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 P001-TW1-251023-01MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 01:13:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.543	2.873	49456843	535.5E6	15.881	17.985
28)	SA Decachlor...	9.060	8.058	82083462	539.5E6	17.547	17.811
Target Compounds							
2)	A alpha-BHC	3.991	3.385	312.7E6	2000.2E6	43.566m	39.145
3)	MA gamma-BHC...	4.323	3.721	287.0E6	1731.7E6	42.210	36.650
4)	MA Heptachlor	4.921	4.073	278.1E6	1704.2E6	49.757	38.207
5)	MB Aldrin	5.263	4.358	271.7E6	1584.8E6	41.491	34.216
6)	B beta-BHC	4.509	4.017	113.7E6	787.3E6	43.411m	39.703
7)	B delta-BHC	4.758	4.253	306.6E6	1786.2E6	45.348	37.434
8)	B Heptachlo...	5.682	4.862	267.5E6	1637.6E6	46.202	38.407
9)	A Endosulfan I	6.066	5.236	261.2E6	1542.6E6	47.174	39.162
10)	B gamma-Chl...	5.938	5.114	269.4E6	1739.8E6	45.423	38.705
11)	B alpha-Chl...	6.018	5.179	280.3E6	1655.9E6	45.349	38.387
12)	B 4,4'-DDE	6.188	5.363	247.6E6	1710.9E6	46.477	39.028
13)	MA Dieldrin	6.338	5.501	275.5E6	1770.7E6	47.244	40.076
14)	MA Endrin	6.566	5.777	268.9E6	1638.7E6	54.279	40.468 #
15)	B Endosulfa...	6.778	6.069	230.0E6	1726.7E6	45.998	45.976
16)	A 4,4'-DDD	6.697	5.918	196.2E6	1530.2E6	48.388	41.993
17)	MA 4,4'-DDT	7.013	6.171	209.1E6	1566.5E6	50.874	44.665
18)	B Endrin al...	6.907	6.247	175.3E6	1125.3E6	47.856	40.636
19)	B Endosulfa...	7.142	6.471	217.8E6	1575.6E6	46.964	43.956
20)	A Methoxychlor	7.486	6.742	102.2E6	772.9E6	48.082	44.346
21)	B Endrin ke...	7.622	6.980	235.5E6	1680.7E6	48.470	44.560
22)	Mirex	8.104	7.172	138.2E6	1070.9E6	43.188	41.684

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 20:37
Operator : AR\AJ
Sample : Q3447-02MS
Misc :
ALS Vial : 25 Sample Multiplier: 1

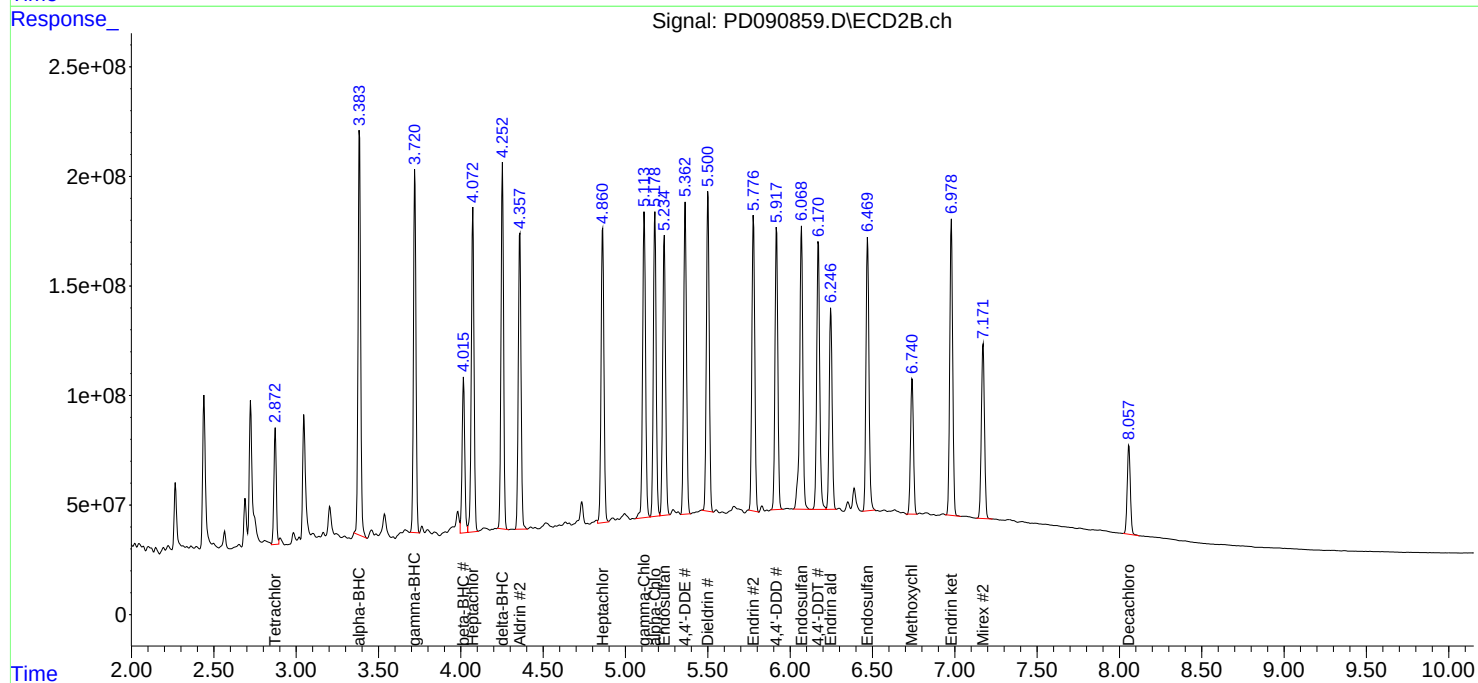
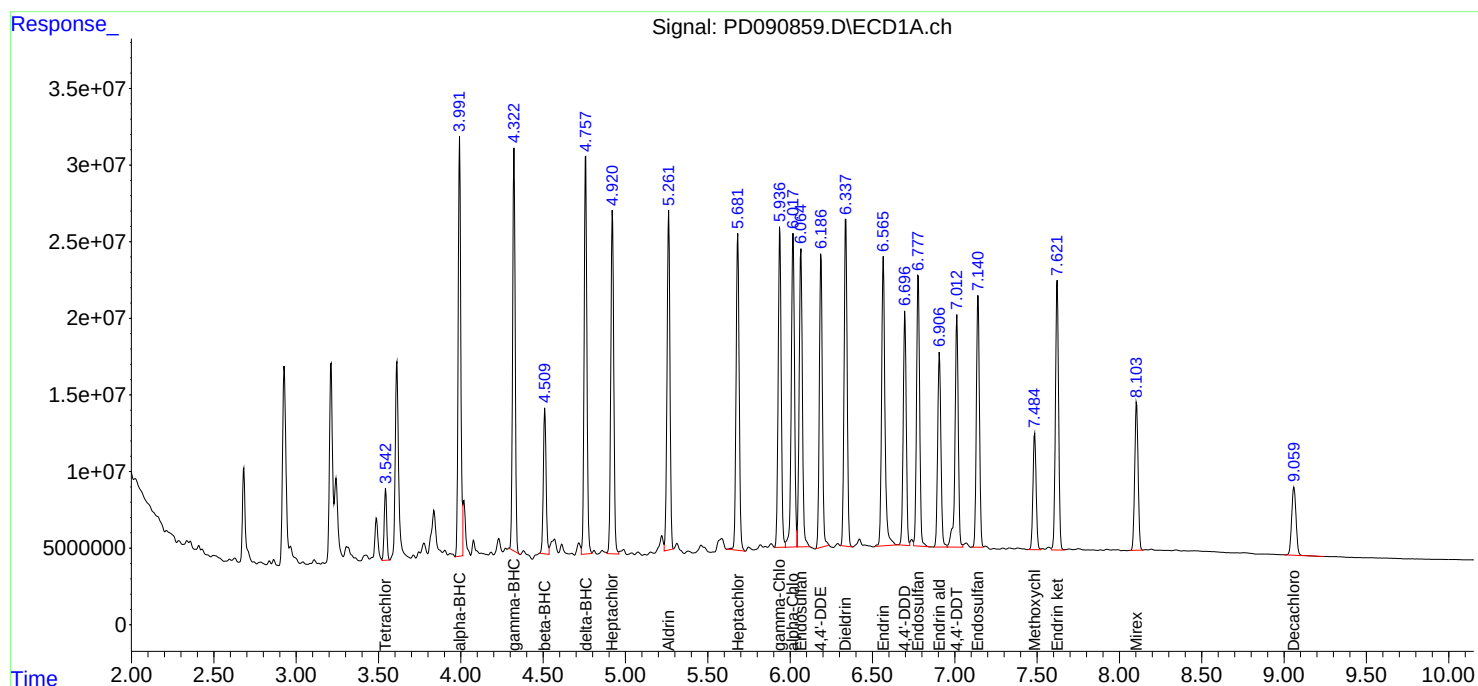
Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

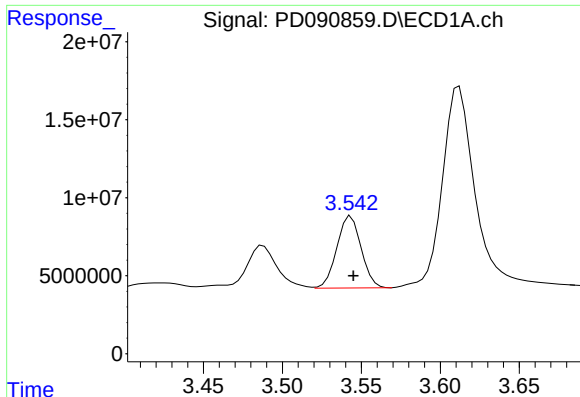
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:13:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





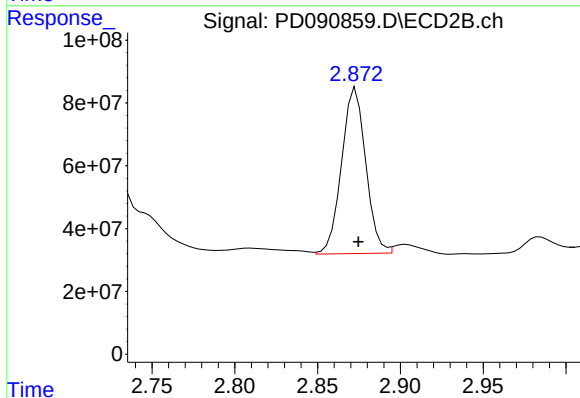
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 49456843
Conc: 15.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

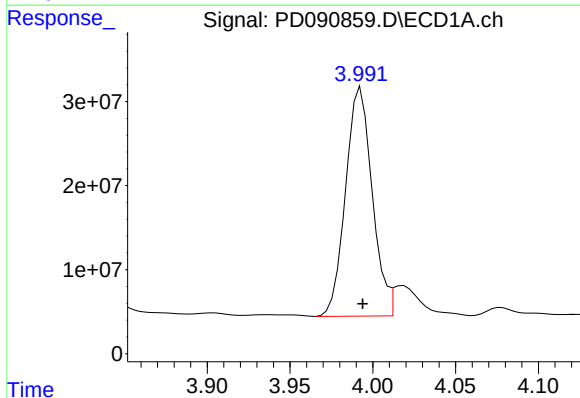
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



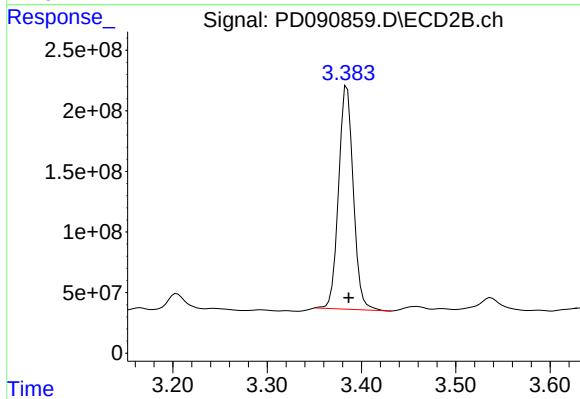
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 535547052
Conc: 17.99 ng/ml



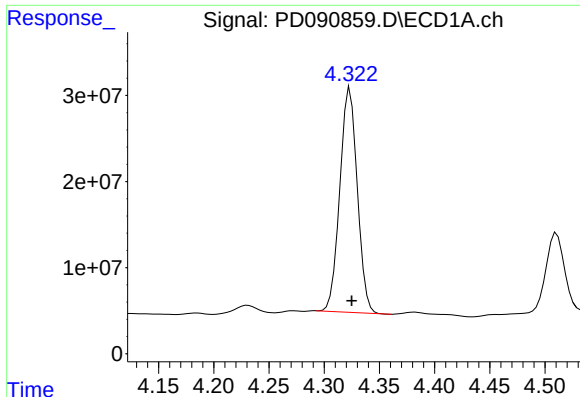
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 312682330
Conc: 43.57 ng/ml m



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 2000162860
Conc: 39.15 ng/ml



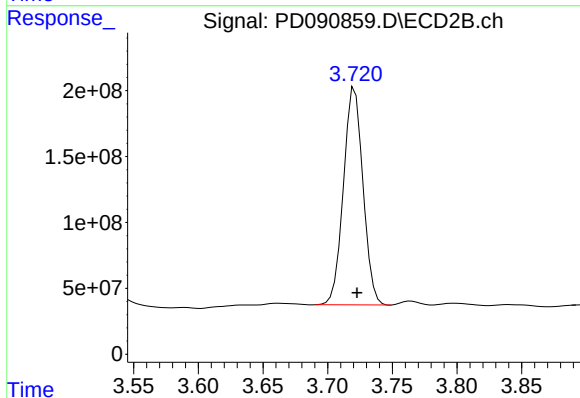
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.002 min
Response: 286975215
Conc: 42.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

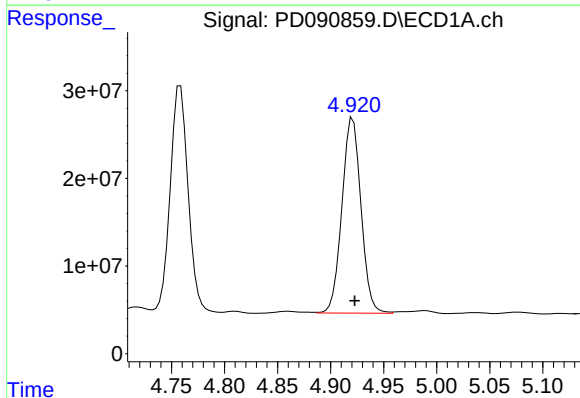
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



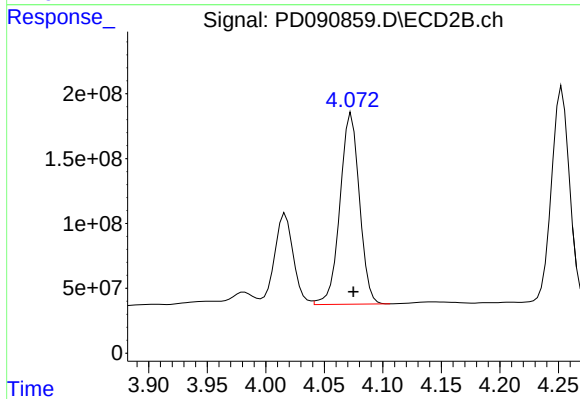
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 1731656237
Conc: 36.65 ng/ml



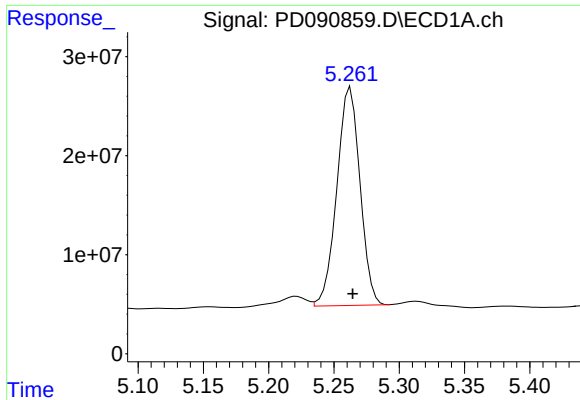
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: -0.002 min
Response: 278119633
Conc: 49.76 ng/ml



#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 1704157022
Conc: 38.21 ng/ml



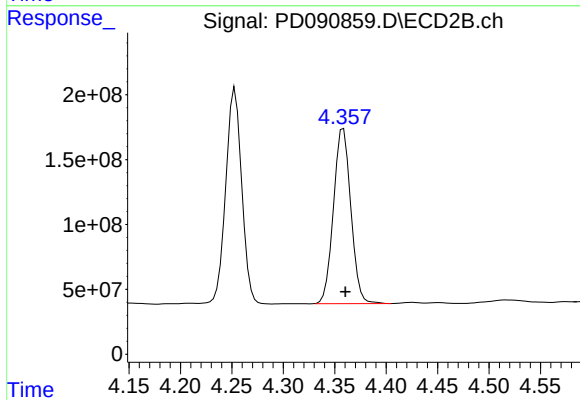
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: -0.002 min
Response: 271655437
Conc: 41.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

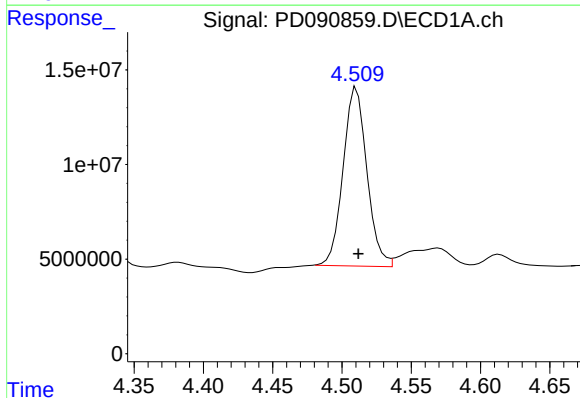
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



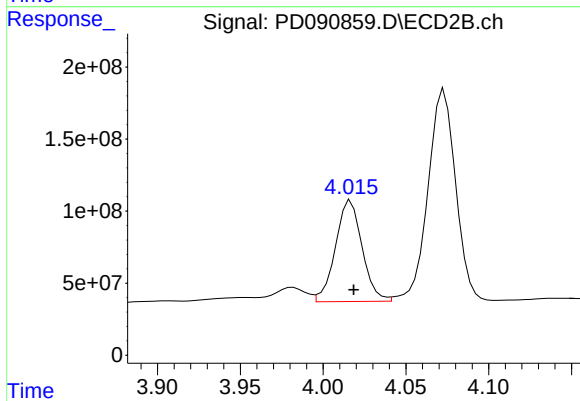
#5 Aldrin

R.T.: 4.358 min
Delta R.T.: -0.002 min
Response: 1584834800
Conc: 34.22 ng/ml



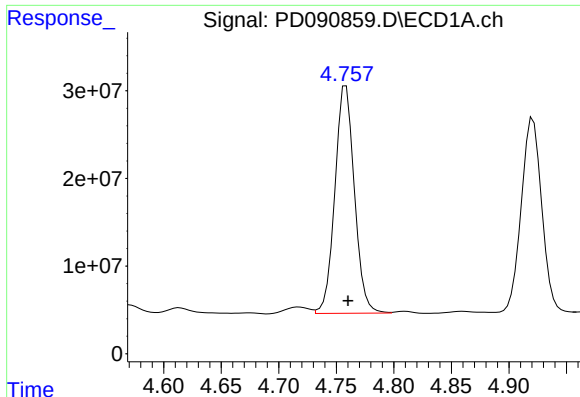
#6 beta-BHC

R.T.: 4.509 min
Delta R.T.: -0.003 min
Response: 113721366
Conc: 43.41 ng/ml m



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.002 min
Response: 787293280
Conc: 39.70 ng/ml



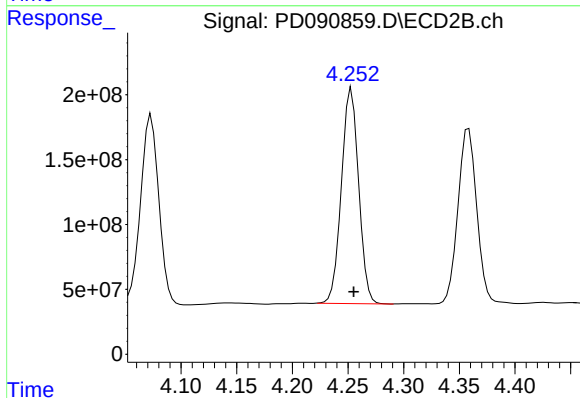
#7 delta-BHC

R.T.: 4.758 min
Delta R.T.: -0.002 min
Response: 306629539
Conc: 45.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

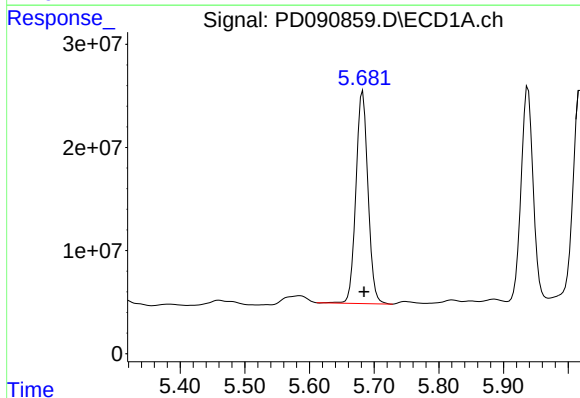
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



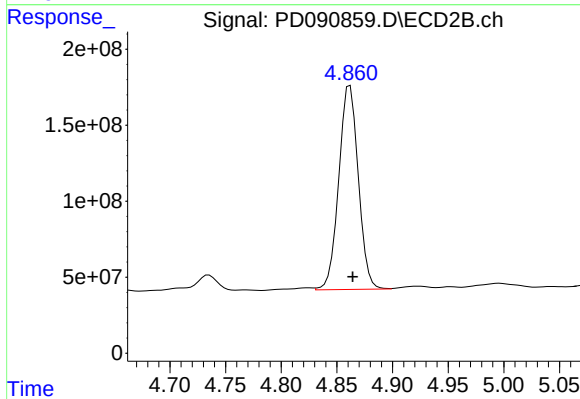
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 1786220426
Conc: 37.43 ng/ml



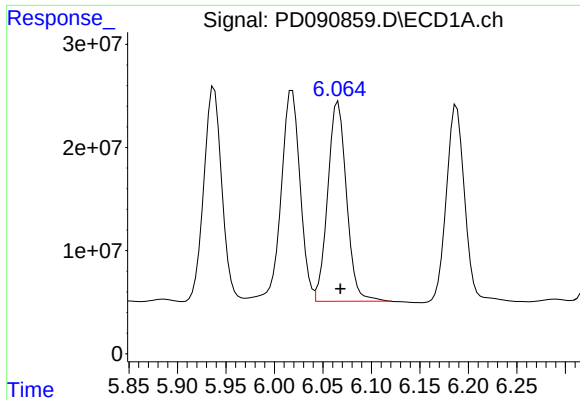
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.002 min
Response: 267468416
Conc: 46.20 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 1637626409
Conc: 38.41 ng/ml



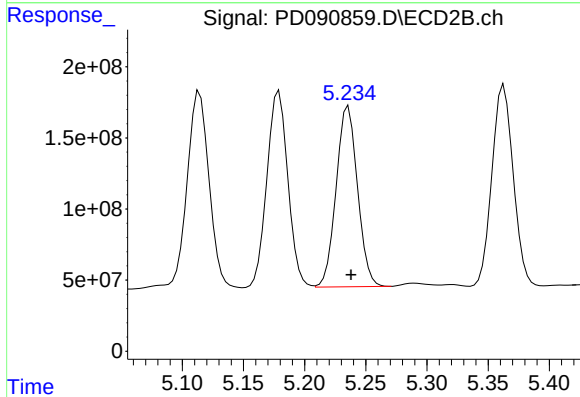
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.002 min
Response: 261187784
Conc: 47.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

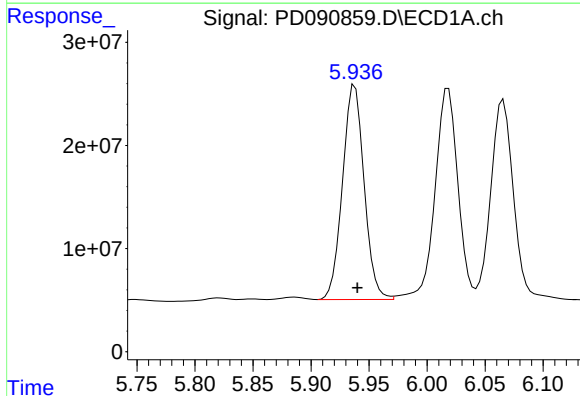
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



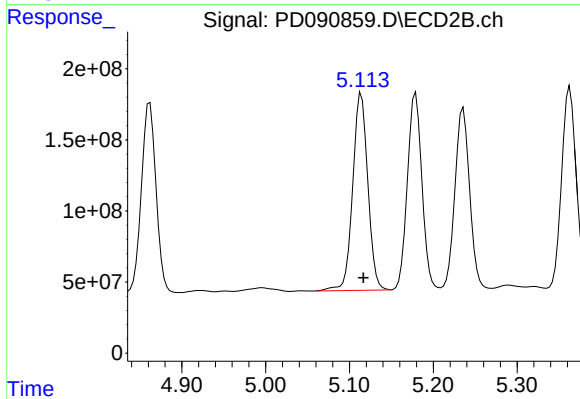
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1542605309
Conc: 39.16 ng/ml



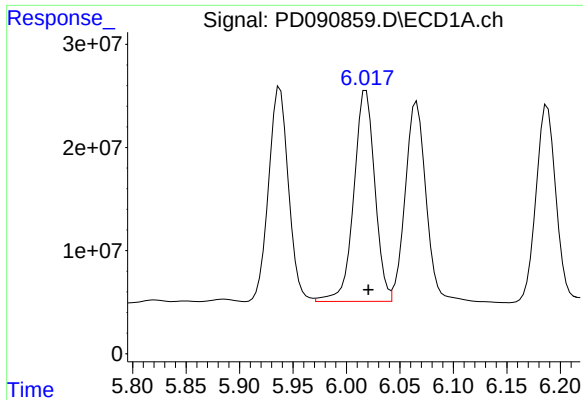
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 269414034
Conc: 45.42 ng/ml



#10 gamma-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.003 min
Response: 1739751195
Conc: 38.71 ng/ml



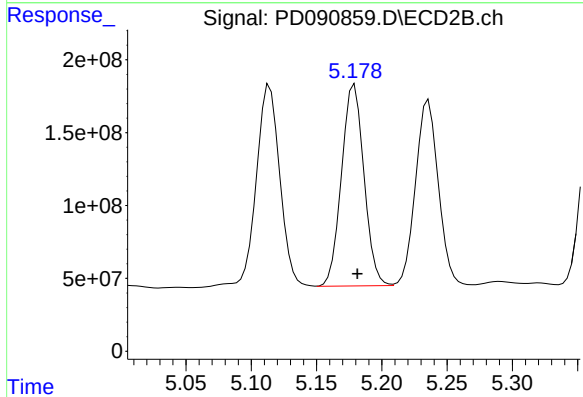
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: -0.002 min
Response: 280266865
Conc: 45.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

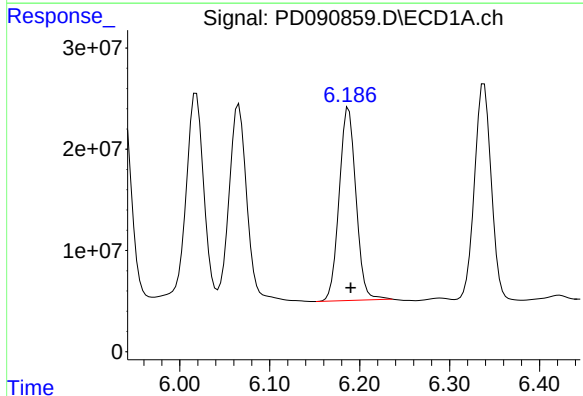
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



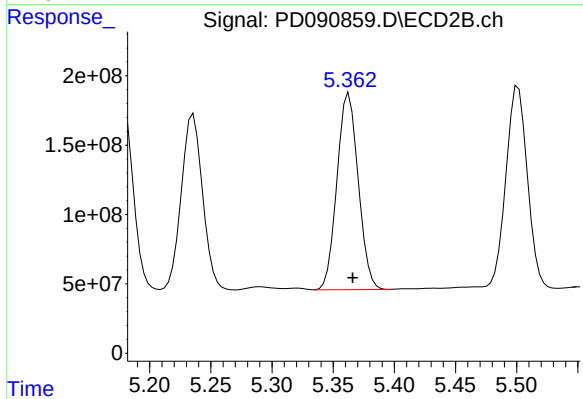
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 1655906359
Conc: 38.39 ng/ml



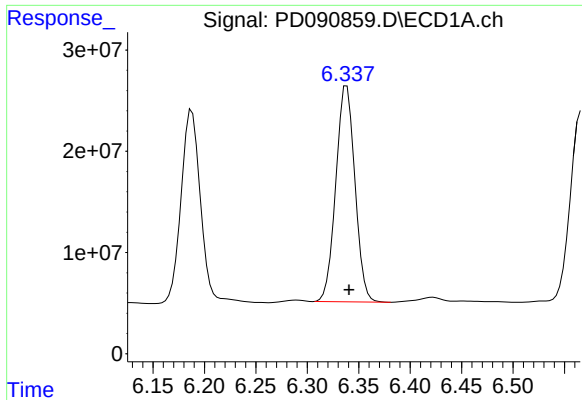
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.002 min
Response: 247567707
Conc: 46.48 ng/ml



#12 4,4'-DDE

R.T.: 5.363 min
Delta R.T.: -0.003 min
Response: 1710939104
Conc: 39.03 ng/ml



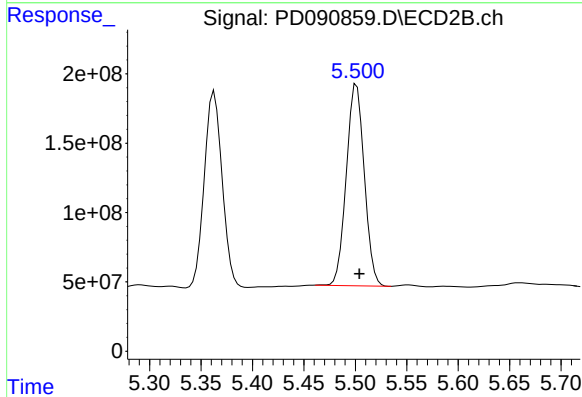
#13 Dieldrin

R.T.: 6.338 min
Delta R.T.: -0.002 min
Response: 275494422
Conc: 47.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

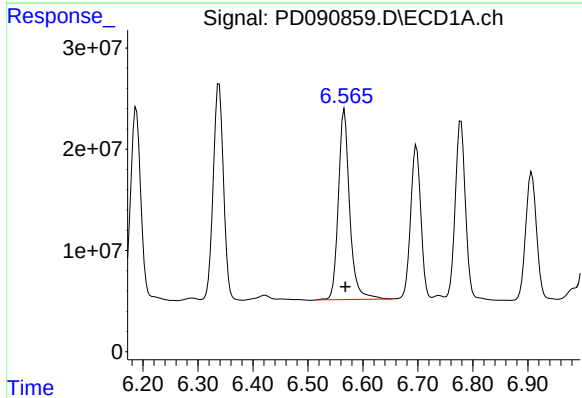
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



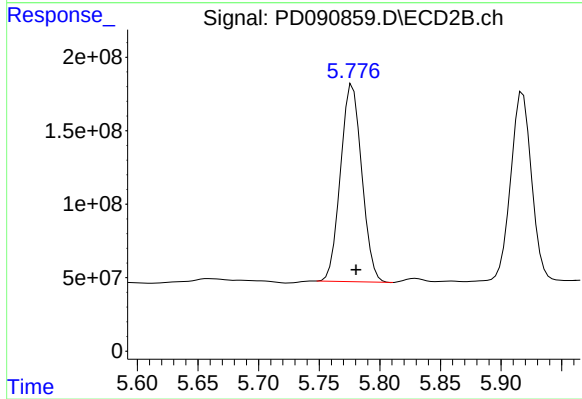
#13 Dieldrin

R.T.: 5.501 min
Delta R.T.: -0.003 min
Response: 1770702940
Conc: 40.08 ng/ml



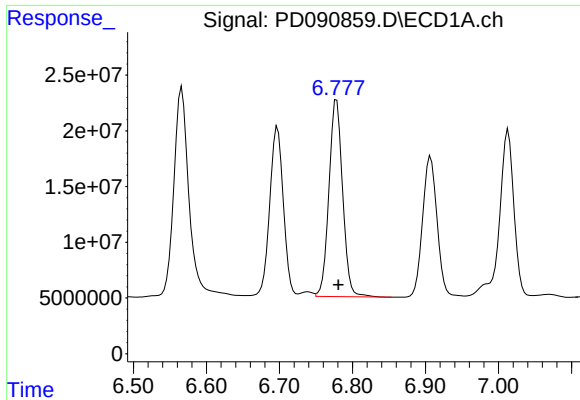
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.002 min
Response: 268883209
Conc: 54.28 ng/ml



#14 Endrin

R.T.: 5.777 min
Delta R.T.: -0.003 min
Response: 1638690777
Conc: 40.47 ng/ml



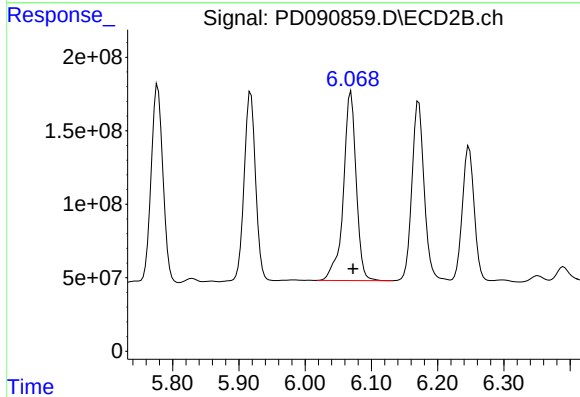
#15 Endosulfan II

R.T.: 6.778 min
Delta R.T.: -0.003 min
Response: 229987543
Conc: 46.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

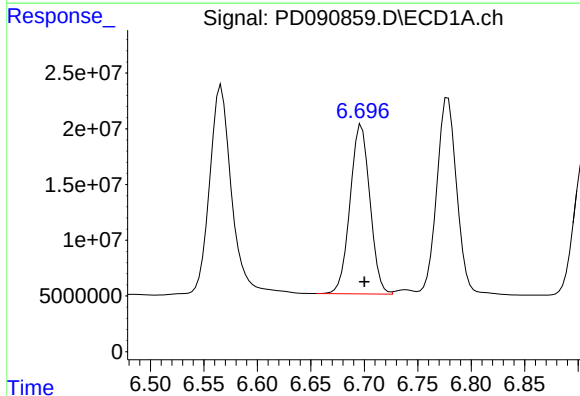
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



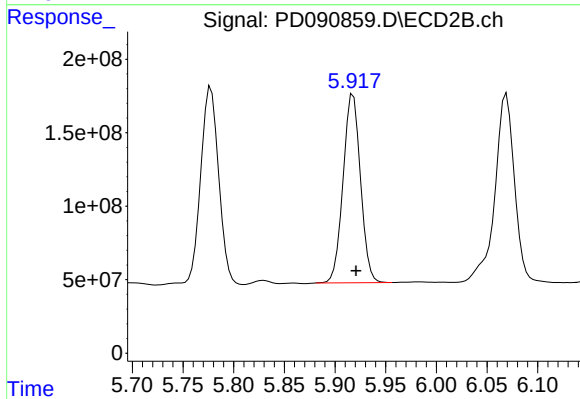
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.003 min
Response: 1726666704
Conc: 45.98 ng/ml



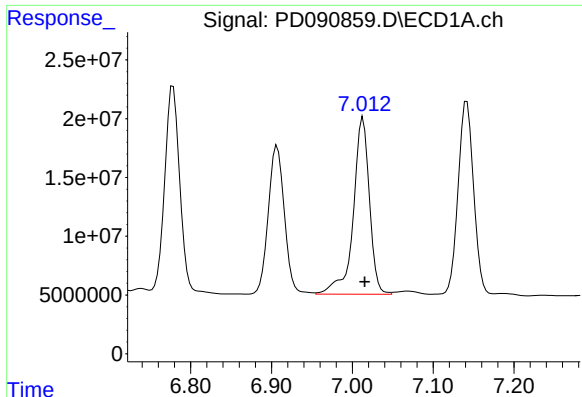
#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: -0.003 min
Response: 196176051
Conc: 48.39 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 1530150617
Conc: 41.99 ng/ml



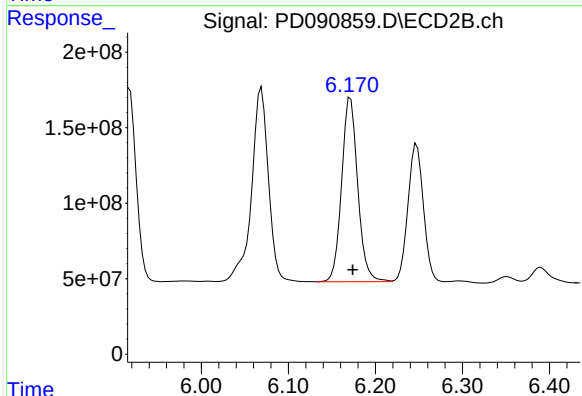
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.002 min
Response: 209117971
Conc: 50.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

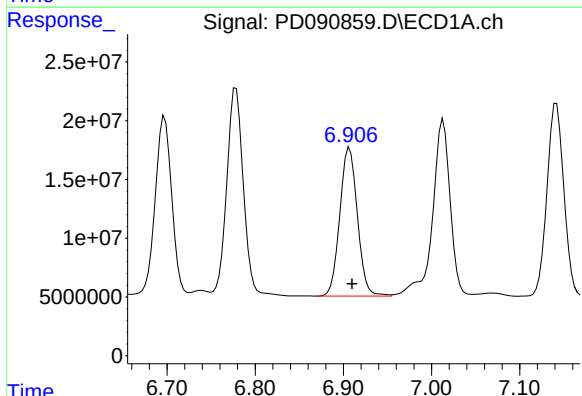
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



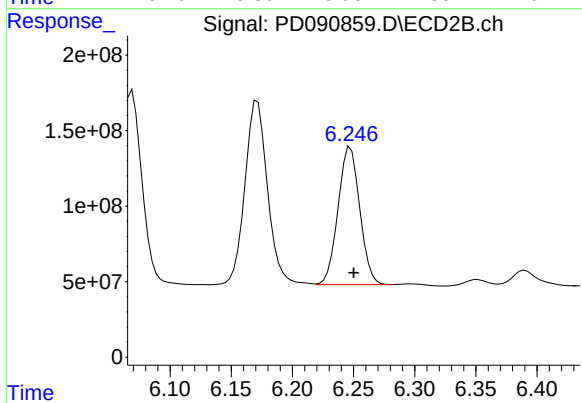
#17 4,4'-DDT

R.T.: 6.171 min
Delta R.T.: -0.003 min
Response: 1566523365
Conc: 44.66 ng/ml



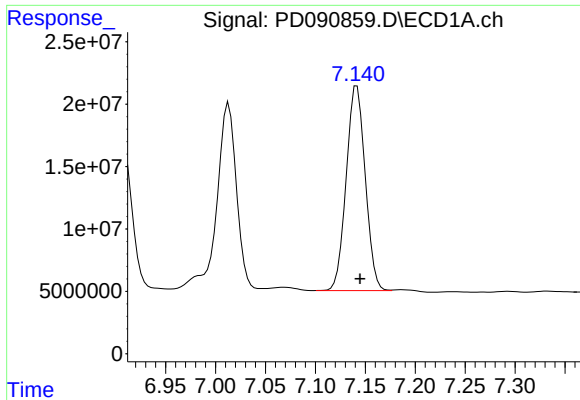
#18 Endrin aldehyde

R.T.: 6.907 min
Delta R.T.: -0.003 min
Response: 175280900
Conc: 47.86 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.003 min
Response: 1125335565
Conc: 40.64 ng/ml



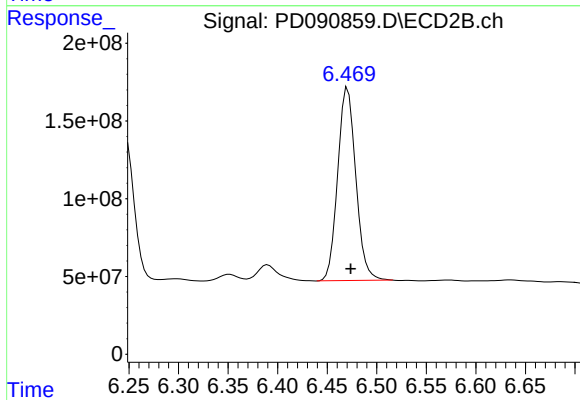
#19 Endosulfan Sulfate

R.T.: 7.142 min
Delta R.T.: -0.003 min
Response: 217827561
Conc: 46.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

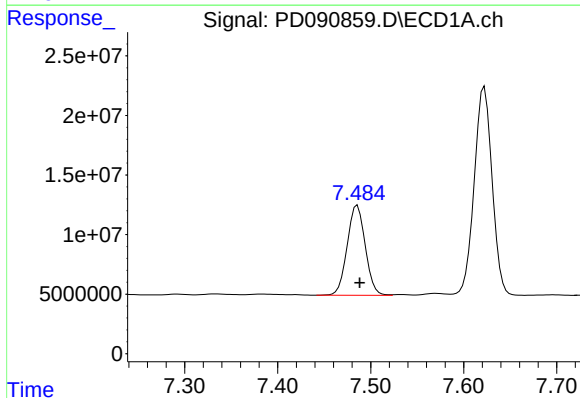
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



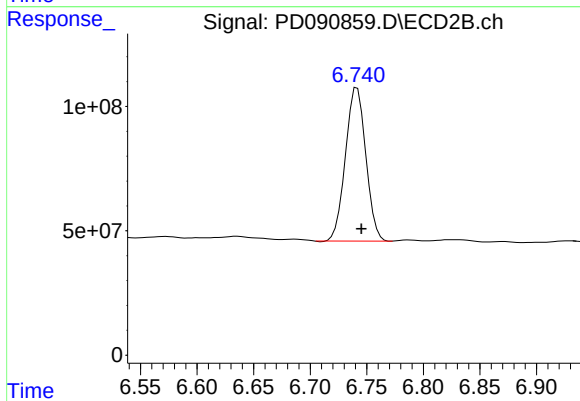
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 1575602679
Conc: 43.96 ng/ml



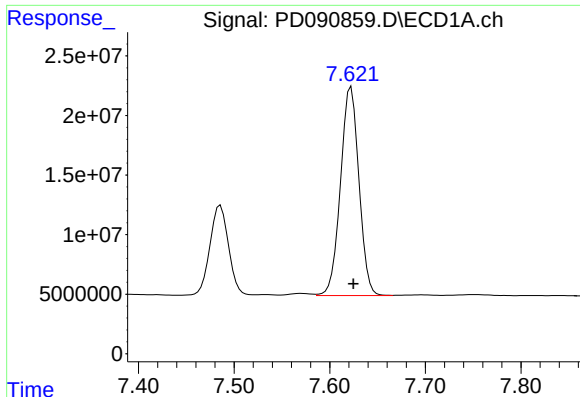
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.003 min
Response: 102202624
Conc: 48.08 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.004 min
Response: 772855175
Conc: 44.35 ng/ml



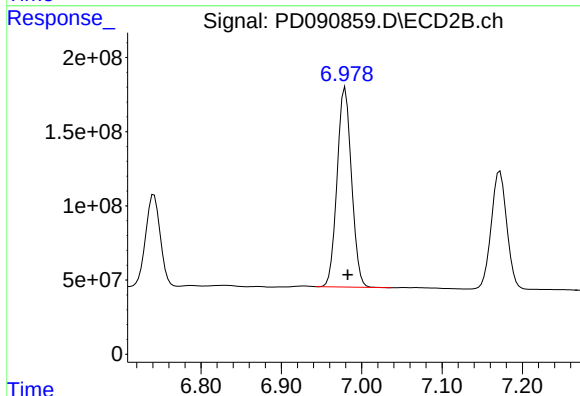
#21 Endrin ketone

R.T.: 7.622 min
Delta R.T.: -0.002 min
Response: 235510313
Conc: 48.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

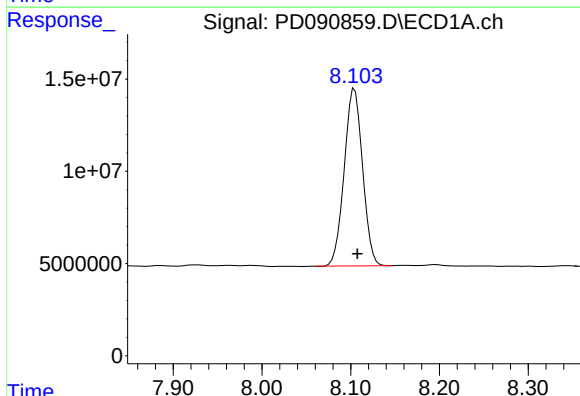
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



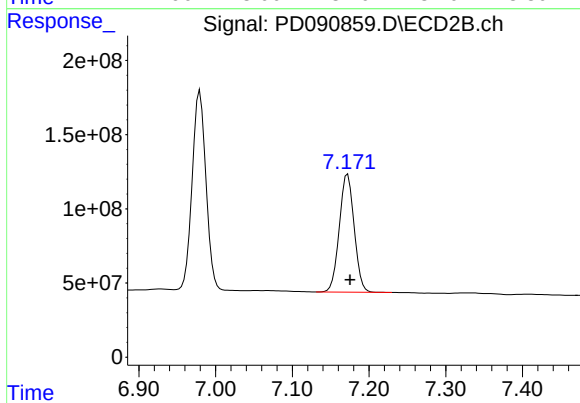
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.003 min
Response: 1680690220
Conc: 44.56 ng/ml



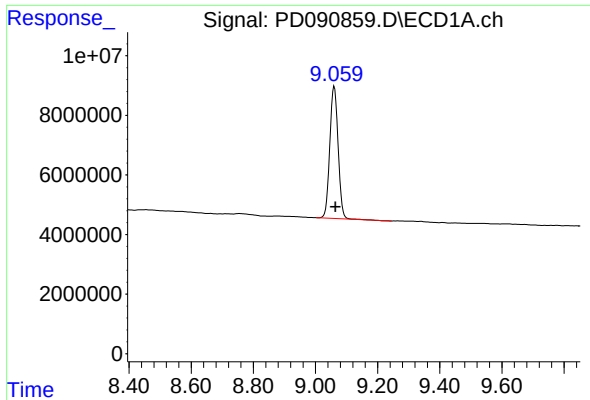
#22 Mirex

R.T.: 8.104 min
Delta R.T.: -0.003 min
Response: 138238616
Conc: 43.19 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: -0.003 min
Response: 1070894249
Conc: 41.68 ng/ml



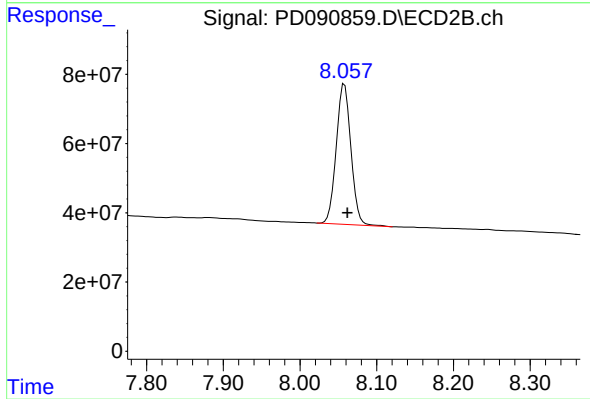
#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: -0.004 min
Response: 82083462
Conc: 17.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-TW1-251023-01MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.004 min
Response: 539533270
Conc: 17.81 ng/ml