

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091325\
 Data File : PL097156.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Sep 2025 18:46
 Operator : AR\AJ
 Sample : Q3032-02MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SOIL-PILE-1MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/12/2025
 Supervised By :mohammad ahmed 09/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 12 01:22:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 21 06:34:01 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.527	2.823	76977714	114.5E6	19.518	20.314
28)	SA Decachlor...	8.998	7.982	62982381	117.1E6	21.273	24.415
Target Compounds							
2)	A alpha-BHC	3.974	3.328	319.0E6	461.5E6	55.056	56.208
3)	MA gamma-BHC...	4.301	3.659	293.7E6	429.6E6	53.765	58.313
4)	MA Heptachlor	4.892	4.007	292.6E6	415.2E6	54.868	55.186
5)	MB Aldrin	5.231	4.289	275.2E6	392.6E6	52.388	55.821
6)	B beta-BHC	4.488	3.955	117.5E6	175.0E6	51.356	53.654
7)	B delta-BHC	4.734	4.188	273.8E6	419.5E6	60.855	57.086
8)	B Heptachlo...	5.651	4.791	257.7E6	366.5E6	50.087	57.950
9)	A Endosulfan I	6.032	5.161	229.3E6	344.3E6	53.361	57.459m
10)	B gamma-Chl...	5.903	5.043	249.3E6	384.7E6	54.129m	58.189
11)	B alpha-Chl...	5.985	5.107	246.3E6	377.7E6	52.342	57.841
12)	B 4,4'-DDE	6.155	5.296	211.7E6	362.6E6	53.065	58.917
13)	MA Dieldrin	6.304	5.427	243.1E6	386.2E6	53.539	58.937
14)	MA Endrin	6.531	5.701	200.9E6	337.3E6	53.653	57.099
15)	B Endosulfa...	6.744	5.993	208.1E6	332.7E6	47.251	58.181
16)	A 4,4'-DDD	6.664	5.848	166.8E6	309.1E6	52.854	59.185
17)	MA 4,4'-DDT	6.978	6.100	179.4E6	316.9E6	51.235	57.860
18)	B Endrin al...	6.873	6.171	151.2E6	261.9E6	58.106	64.288
19)	B Endosulfa...	7.106	6.394	181.3E6	318.9E6	52.796	56.916
20)	A Methoxychlor	7.451	6.672	85506505	167.5E6	49.269	55.837
21)	B Endrin ke...	7.586	6.898	192.3E6	355.1E6	54.093	56.730
22)	Mirex	8.064	7.087	152.6E6	275.7E6	50.998	56.770

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091325\
Data File : PL097156.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2025 18:46
Operator : AR\AJ
Sample : Q3032-02MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

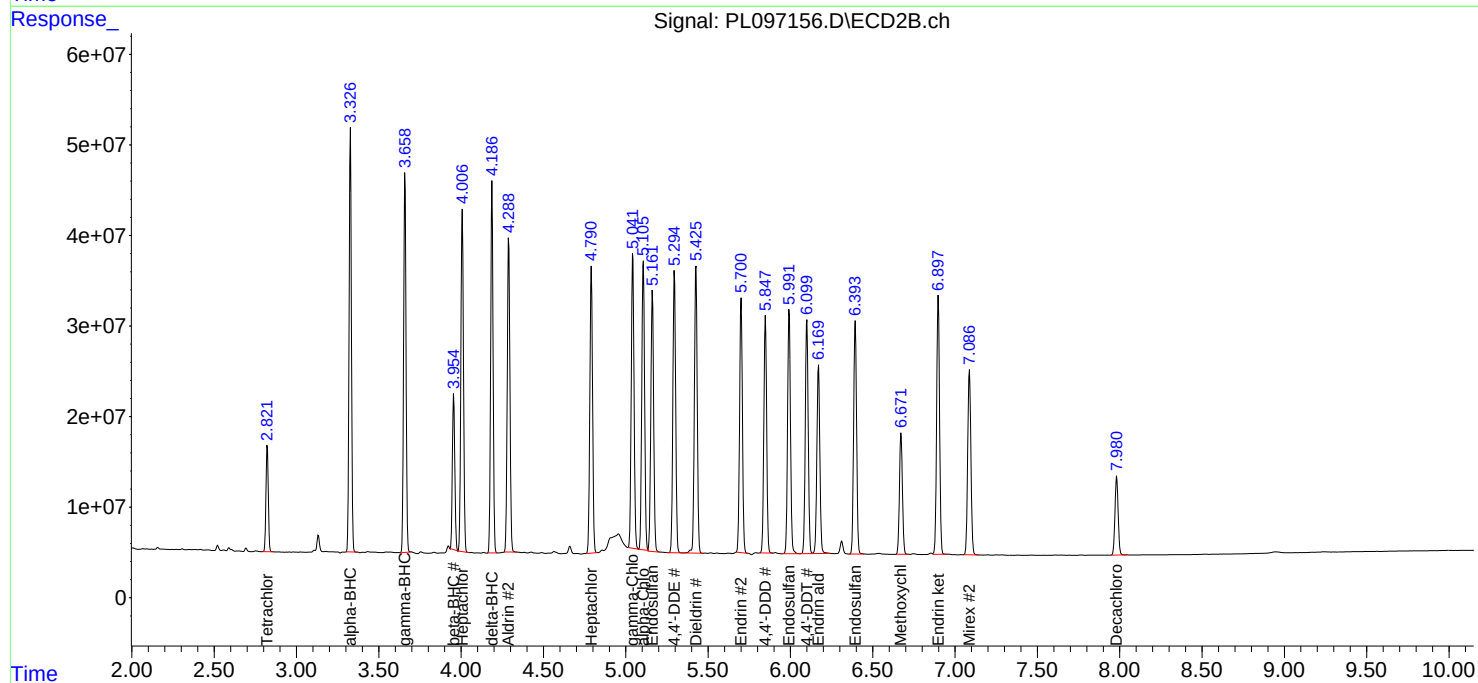
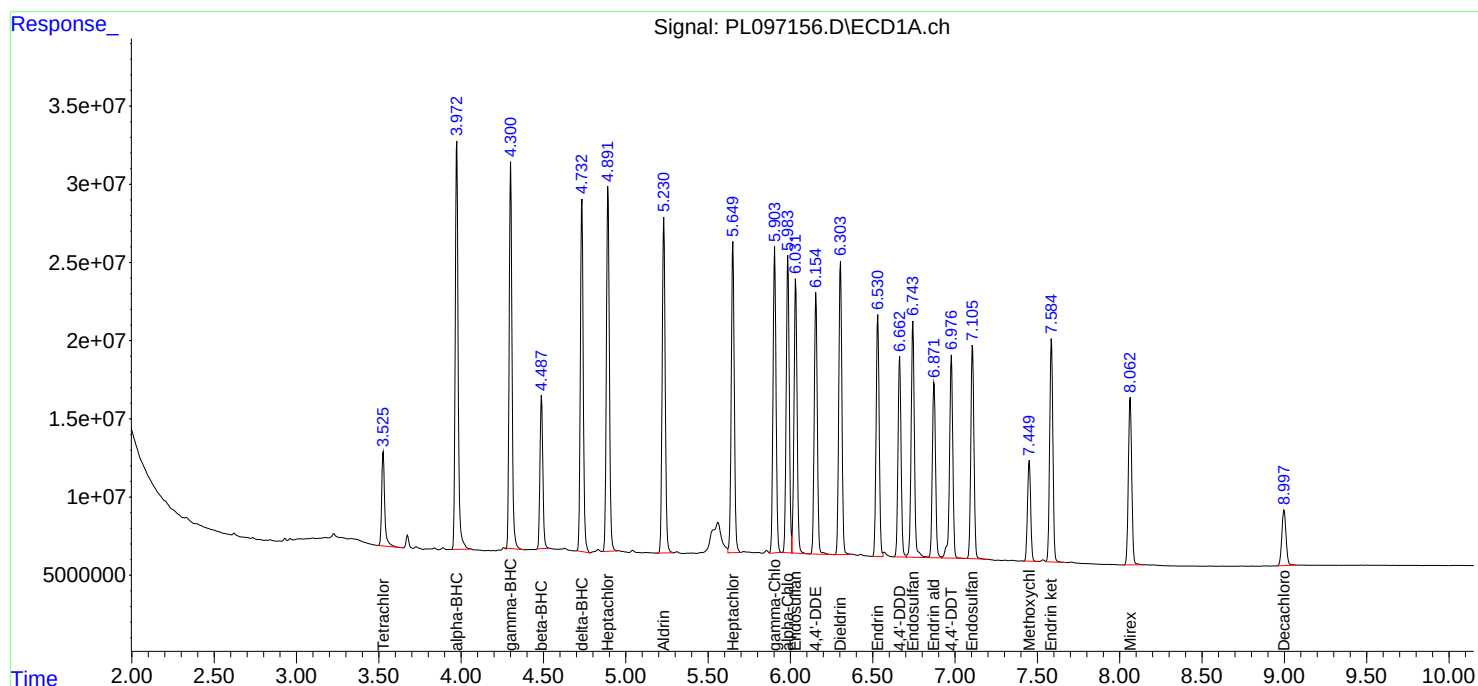
Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

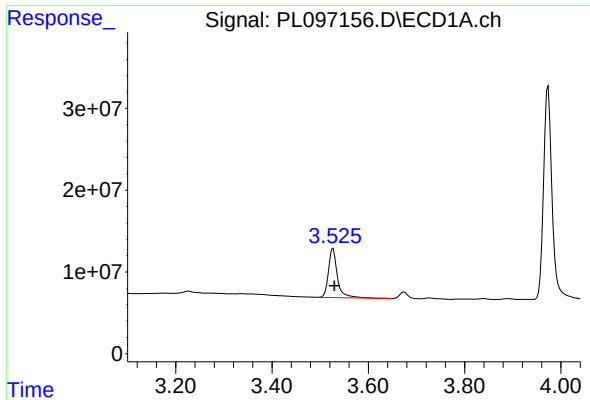
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 01:22:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Thu Aug 21 06:34:01 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 x0.25µm





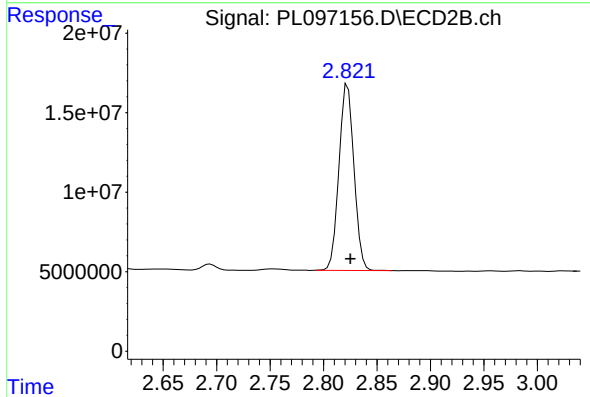
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: -0.003 min
Response: 76977714
Conc: 19.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

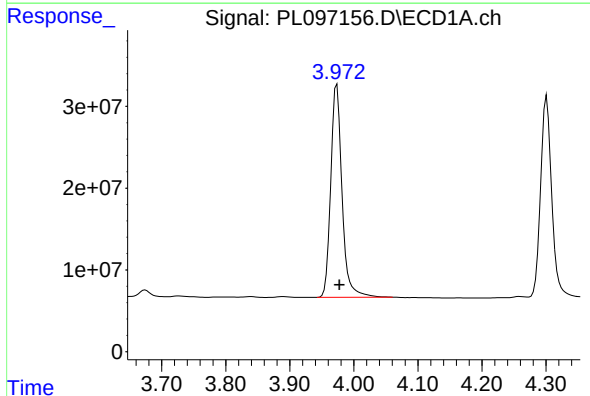
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



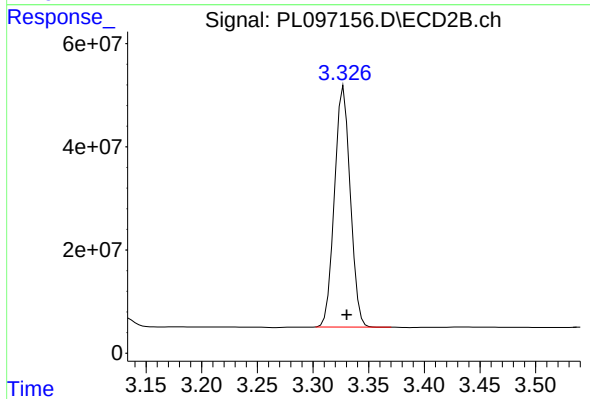
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.003 min
Response: 114504585
Conc: 20.31 ng/ml



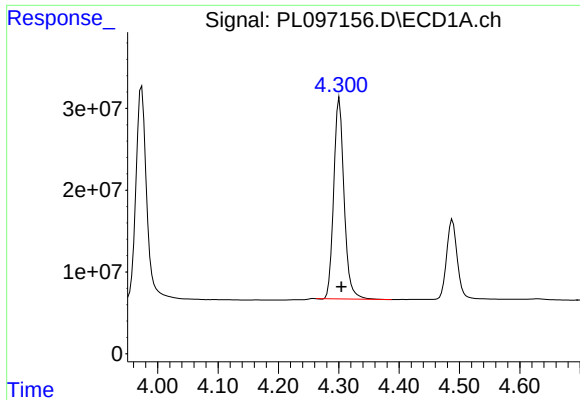
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: -0.004 min
Response: 318996047
Conc: 55.06 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.003 min
Response: 461539431
Conc: 56.21 ng/ml



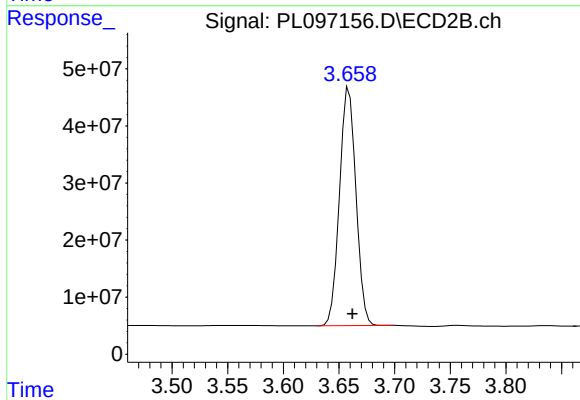
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.003 min
Response: 293655794
Conc: 53.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

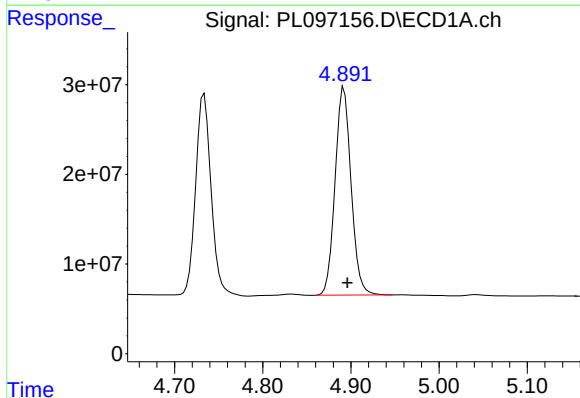
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



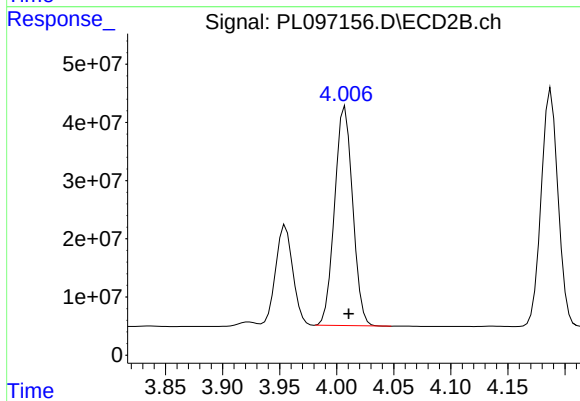
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.003 min
Response: 429559419
Conc: 58.31 ng/ml



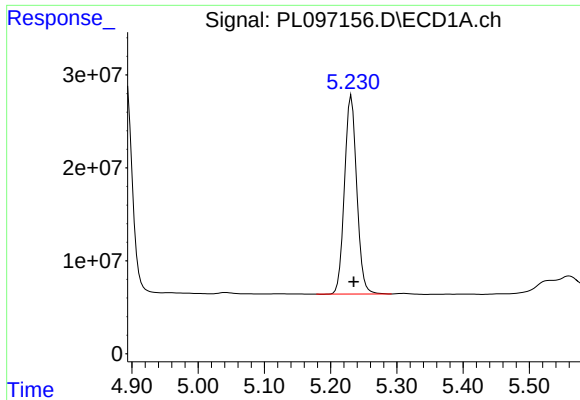
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 292577436
Conc: 54.87 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: -0.003 min
Response: 415227602
Conc: 55.19 ng/ml



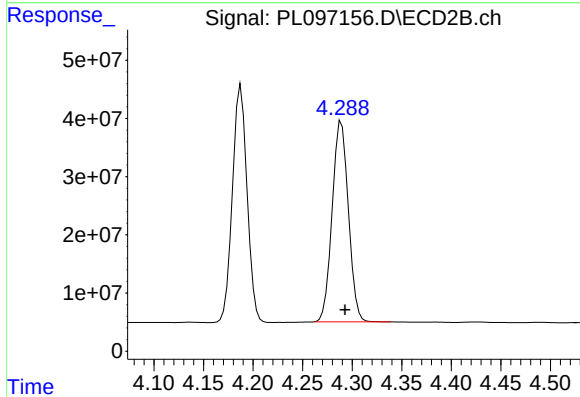
#5 Aldrin

R.T.: 5.231 min
Delta R.T.: -0.004 min
Response: 275220977
Conc: 52.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

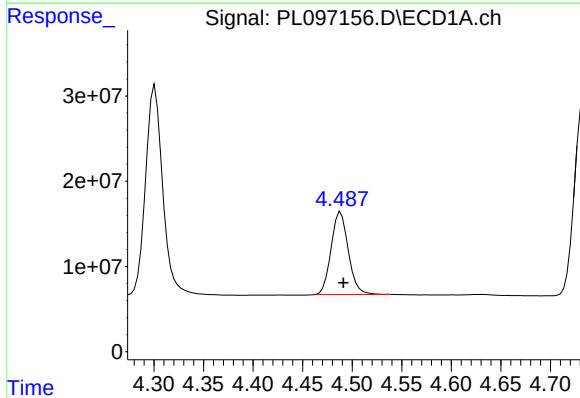
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



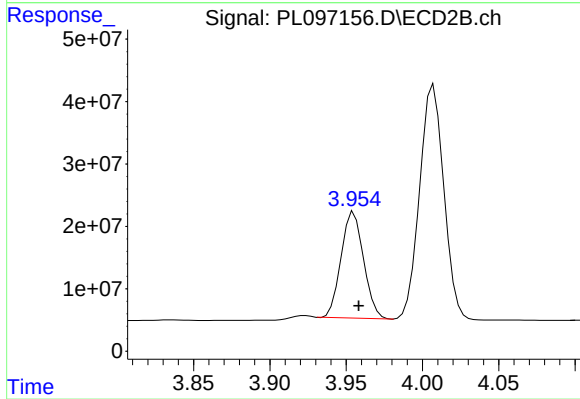
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.003 min
Response: 392580394
Conc: 55.82 ng/ml



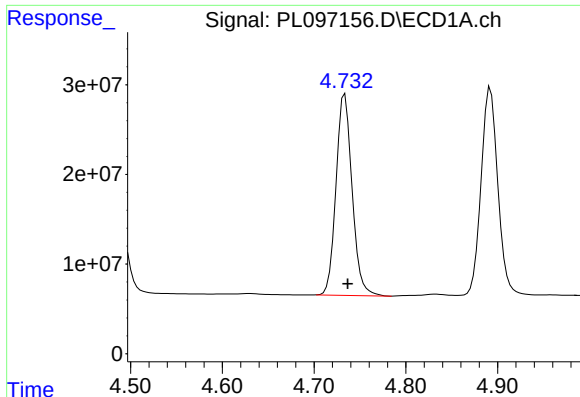
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.003 min
Response: 117452583
Conc: 51.36 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.003 min
Response: 175035347
Conc: 53.65 ng/ml



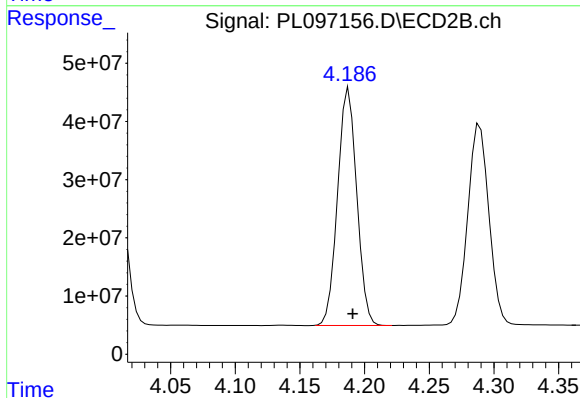
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.003 min
Response: 273846911
Conc: 60.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

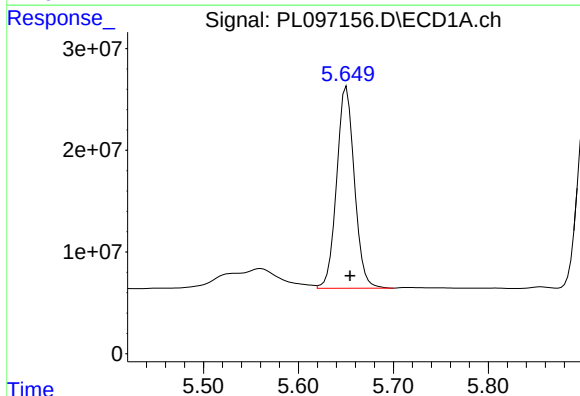
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



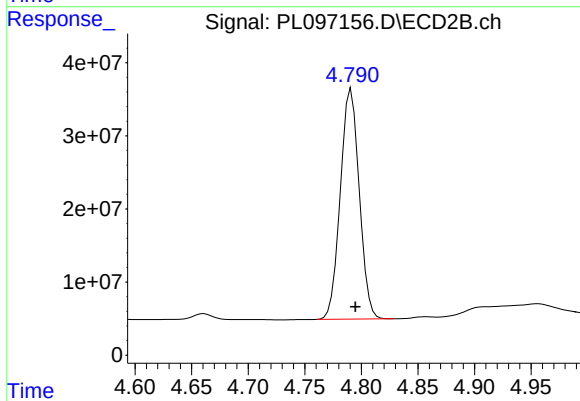
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.003 min
Response: 419513269
Conc: 57.09 ng/ml



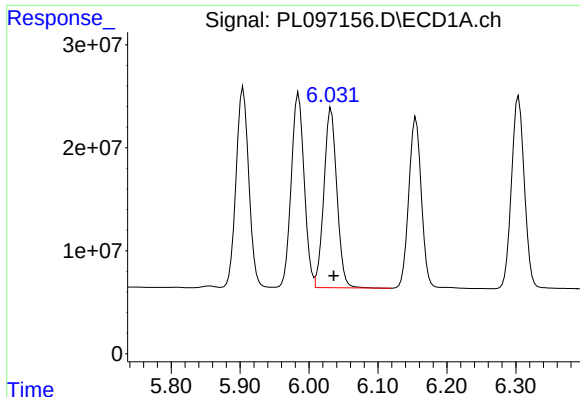
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: -0.004 min
Response: 257739691
Conc: 50.09 ng/ml



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.004 min
Response: 366534617
Conc: 57.95 ng/ml



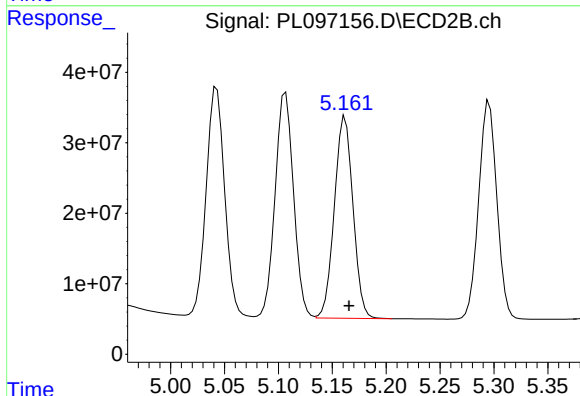
#9 Endosulfan I

R.T.: 6.032 min
Delta R.T.: -0.004 min
Response: 229279384
Conc: 53.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

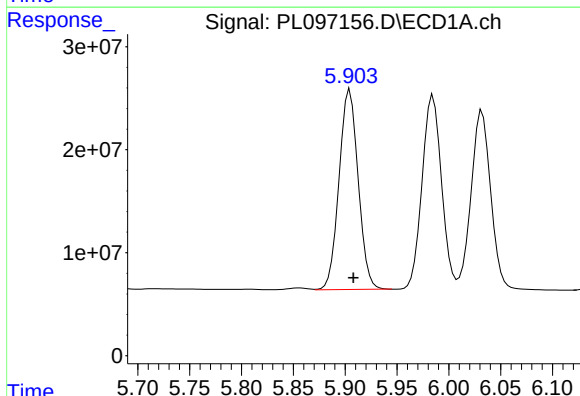
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



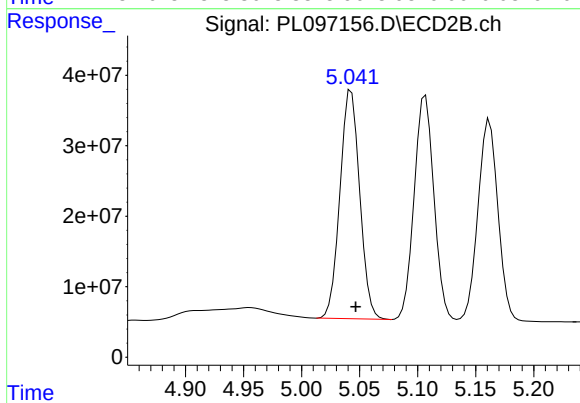
#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: -0.005 min
Response: 344254392
Conc: 57.46 ng/ml m



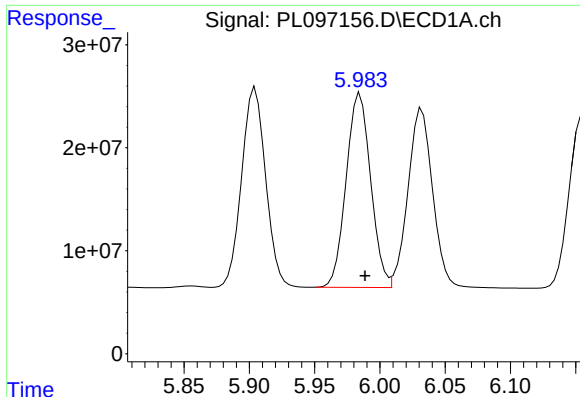
#10 gamma-Chlordane

R.T.: 5.903 min
Delta R.T.: -0.005 min
Response: 249291565
Conc: 54.13 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.004 min
Response: 384691462
Conc: 58.19 ng/ml



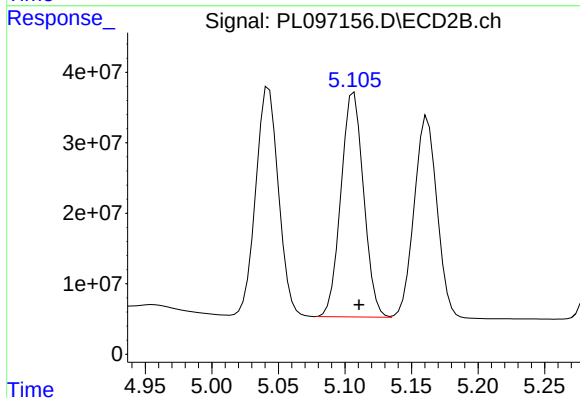
#11 alpha-Chlordane

R.T.: 5.985 min
Delta R.T.: -0.004 min
Response: 246316184
Conc: 52.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

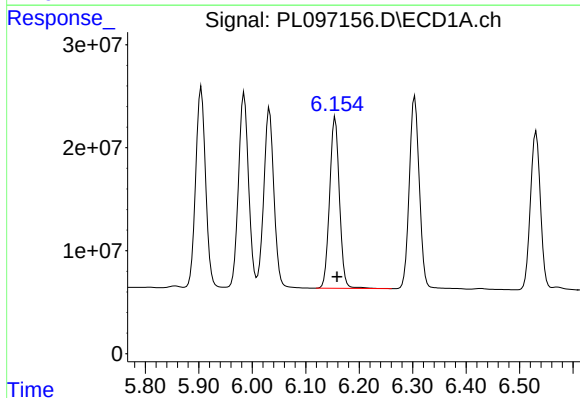
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



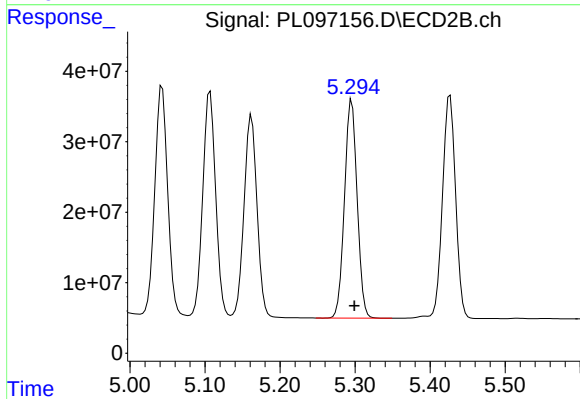
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.004 min
Response: 377687898
Conc: 57.84 ng/ml



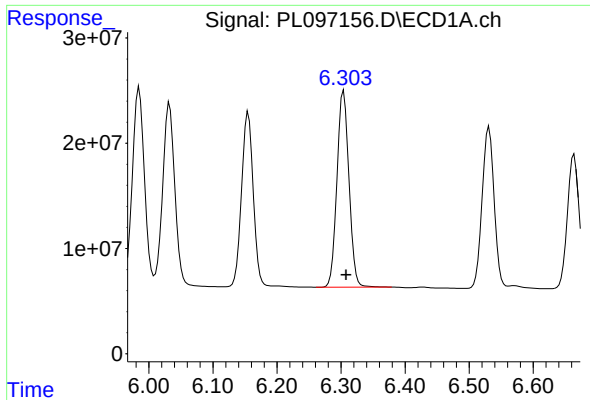
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.004 min
Response: 211736953
Conc: 53.07 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.004 min
Response: 362617067
Conc: 58.92 ng/ml



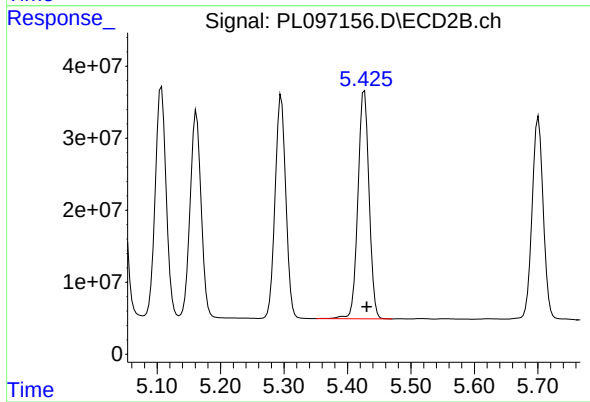
#13 Dieldrin

R.T.: 6.304 min
Delta R.T.: -0.004 min
Response: 243112932
Conc: 53.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

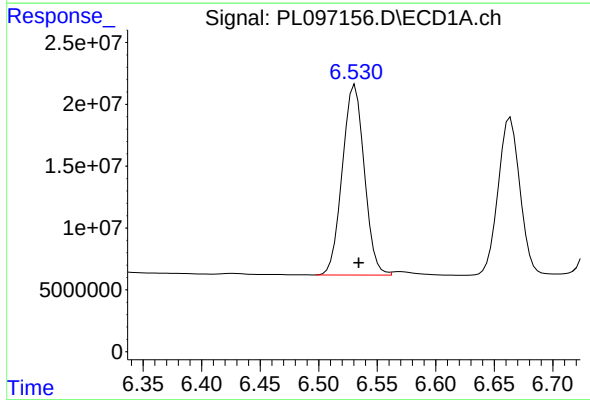
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



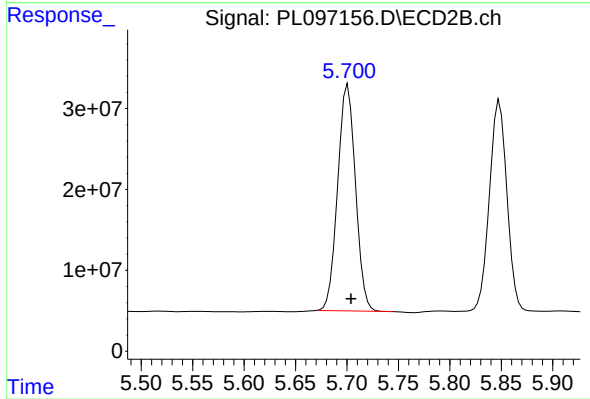
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.004 min
Response: 386212071
Conc: 58.94 ng/ml



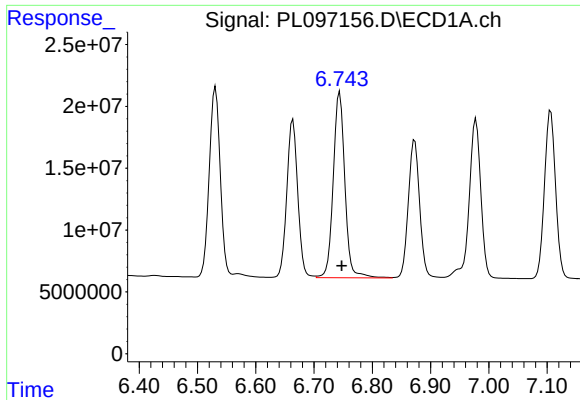
#14 Endrin

R.T.: 6.531 min
Delta R.T.: -0.003 min
Response: 200924740
Conc: 53.65 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 337293543
Conc: 57.10 ng/ml



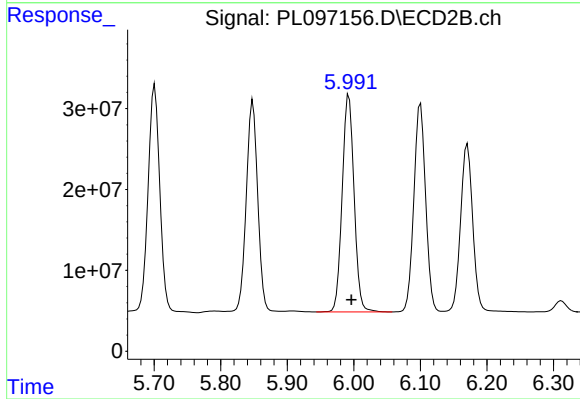
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.003 min
Response: 208145002
Conc: 47.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

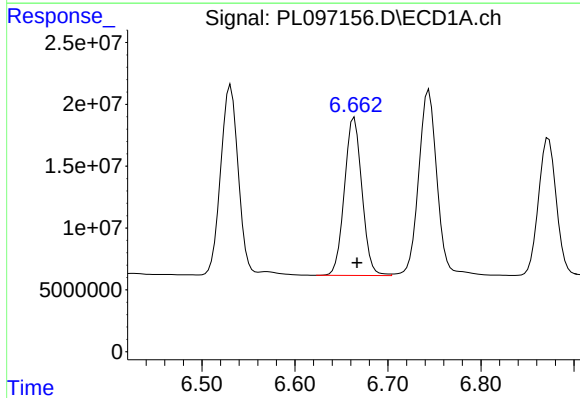
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



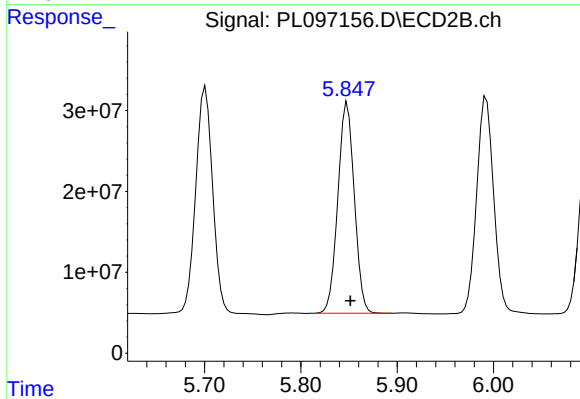
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.004 min
Response: 332718902
Conc: 58.18 ng/ml



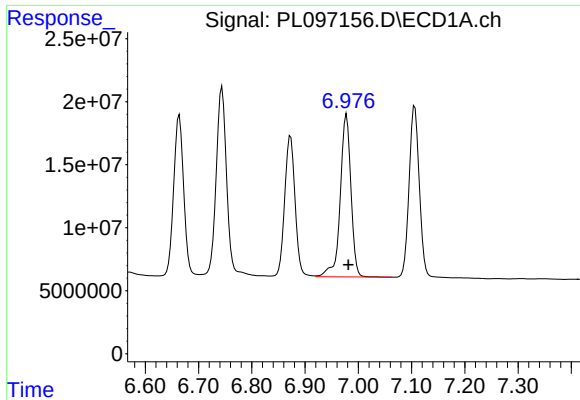
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: -0.003 min
Response: 166795543
Conc: 52.85 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.003 min
Response: 309086686
Conc: 59.19 ng/ml



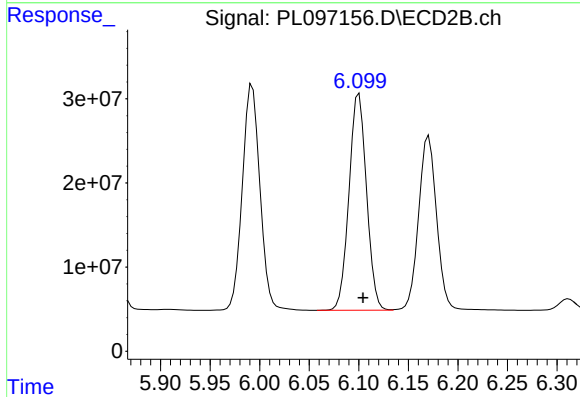
#17 4,4'-DDT

R.T.: 6.978 min
Delta R.T.: -0.003 min
Response: 179448781
Conc: 51.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

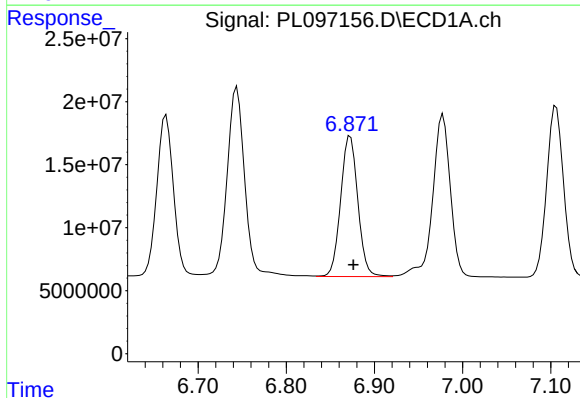
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



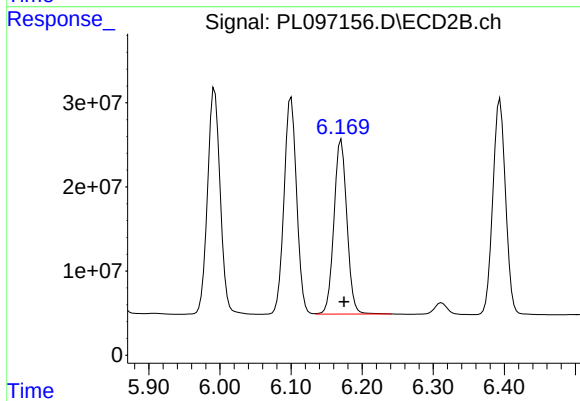
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.004 min
Response: 316916542
Conc: 57.86 ng/ml



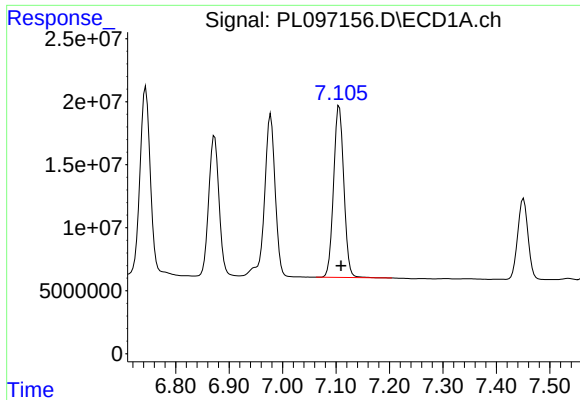
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.004 min
Response: 151159497
Conc: 58.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.004 min
Response: 261879487
Conc: 64.29 ng/ml



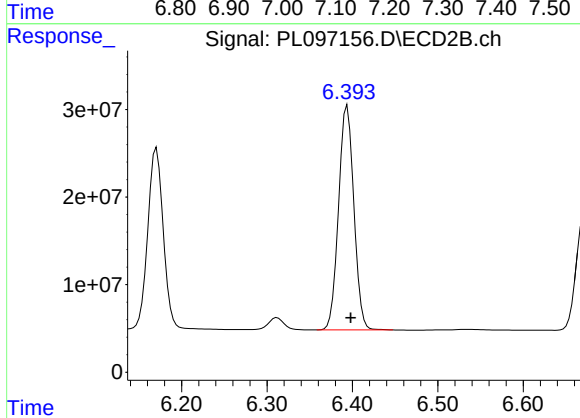
#19 Endosulfan Sulfate

R.T.: 7.106 min
Delta R.T.: -0.004 min
Response: 181266837
Conc: 52.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

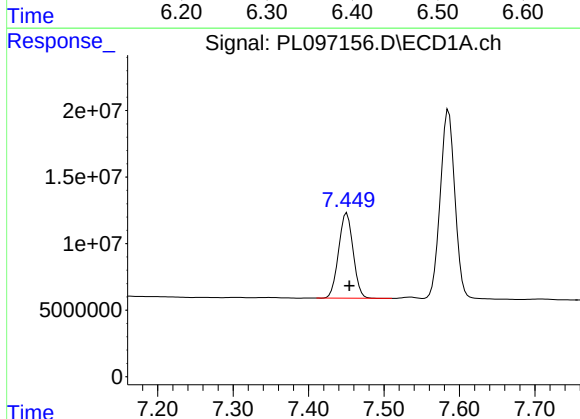
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



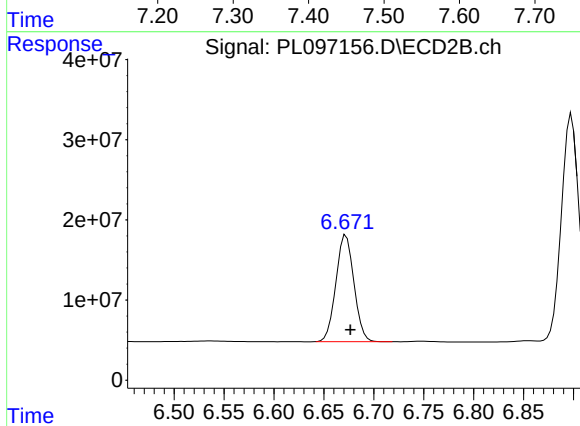
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.004 min
Response: 318899383
Conc: 56.92 ng/ml



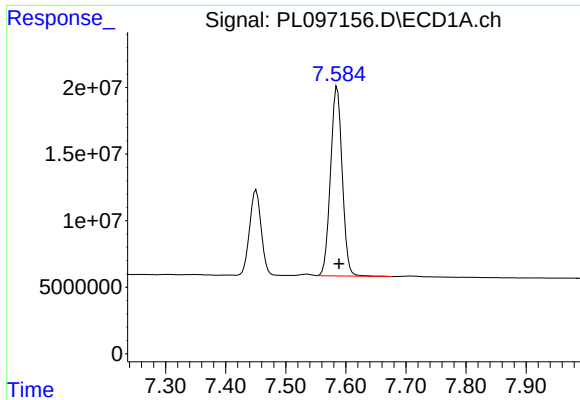
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 85506505
Conc: 49.27 ng/ml



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.004 min
Response: 167497379
Conc: 55.84 ng/ml



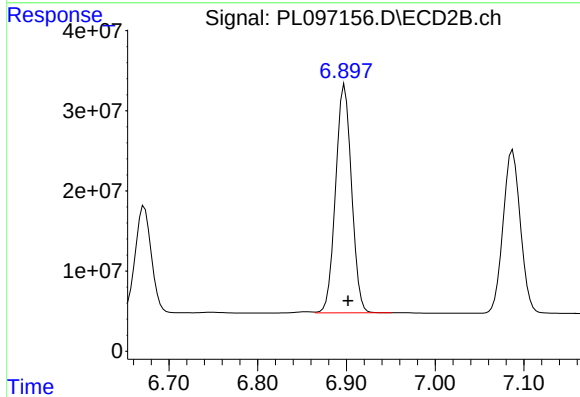
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: -0.003 min
Response: 192316264
Conc: 54.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

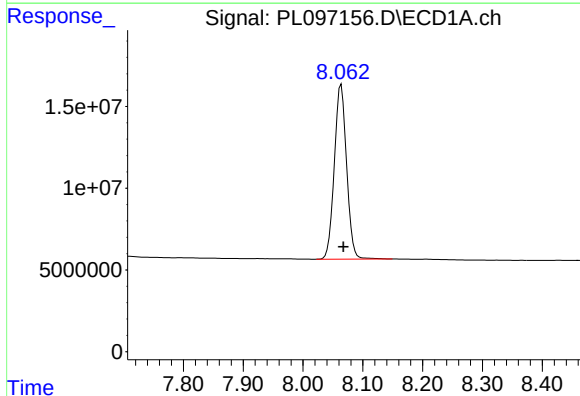
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



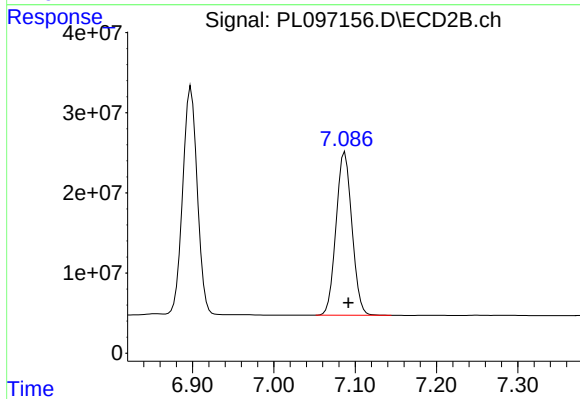
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.004 min
Response: 355067045
Conc: 56.73 ng/ml



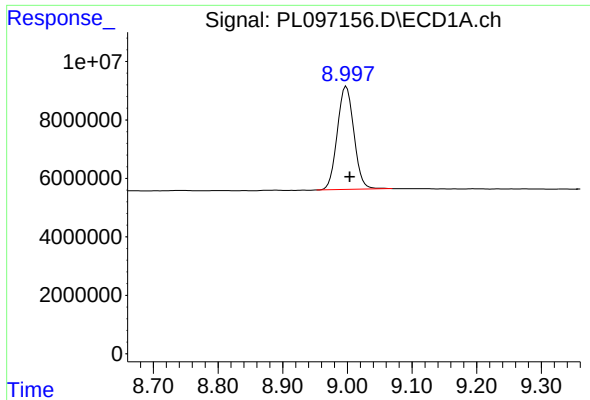
#22 Mirex

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 152579138
Conc: 51.00 ng/ml



#22 Mirex

R.T.: 7.087 min
Delta R.T.: -0.004 min
Response: 275705656
Conc: 56.77 ng/ml



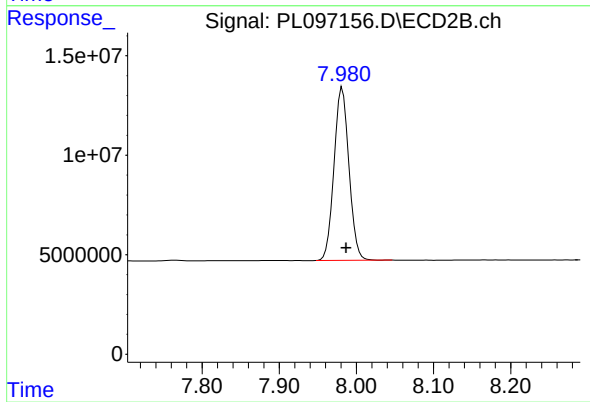
#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.006 min
Response: 62982381
Conc: 21.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
SOIL-PILE-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.005 min
Response: 117088367
Conc: 24.41 ng/ml