

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
 Data File : PL097056.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 17:39
 Operator : AR\AJ
 Sample : Q2893-01
 Misc : PEST LOD 2.5PPB
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/05/2025
 Supervised By :mohammad ahmed 09/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 09:23:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 09:22:10 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...	3.529	2.825	69032281	102.0E6	17.504	18.095
28)	SA Decachlor...	9.004	7.987	57534612	102.7E6	19.433	21.408
Target Compounds							
2)	A alpha-BHC	3.976	3.330	13176772	18893821	2.274	2.301
3)	MA gamma-BHC...	4.304	3.662	12499790	18034365	2.289	2.448
4)	MA Heptachlor	4.895	4.010	13884113	19023396	2.604	2.528
5)	MB Aldrin	5.234	4.292	12980955	17590620	2.471	2.501
6)	B beta-BHC	4.492	3.958	5844775	8677834	2.556	2.660
7)	B delta-BHC	4.737	4.190	13733007	17083396	3.052	2.325
8)	B Heptachlo...	5.651	4.794	15939419	17075750	3.098m	2.700
9)	A Endosulfan I	6.035	5.165	11215670	15326706	2.610	2.558
10)	B gamma-Chl...	5.907	5.044	11519910	16793731	2.501	2.540m
11)	B alpha-Chl...	5.988	5.110	12054776	16918542	2.562	2.591
12)	B 4,4'-DDE	6.158	5.298	9287282	14993428	2.328	2.436
13)	MA Dieldrin	6.307	5.428	11169331	17014341	2.460	2.596m
14)	MA Endrin	6.534	5.705	8890705	18926505	2.374	3.204 #
15)	B Endosulfa...	6.745	5.995	13729956	15425901	3.117	2.697
16)	A 4,4'-DDD	6.667	5.851	7667843	13405876	2.430	2.567
17)	MA 4,4'-DDT	6.981	6.103	7947492	12273354	2.269	2.241
18)	B Endrin al...	6.876	6.172	7487565	20295002	2.878	4.221m#
19)	B Endosulfa...	7.109	6.397	9197302	15170557	2.679	2.708
20)	A Methoxychlor	7.452	6.676	4347444	7761787	2.505m	2.587
21)	B Endrin ke...	7.589	6.899	9485518	22381392	2.668	3.576m#
22)	Mirex	8.068	7.091	7996324	13869131	2.673	2.856

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
Data File : PL097056.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 17:39
Operator : AR\AJ
Sample : Q2893-01
Misc : PEST LOD 2.5PPB
ALS Vial : 9 Sample Multiplier: 1

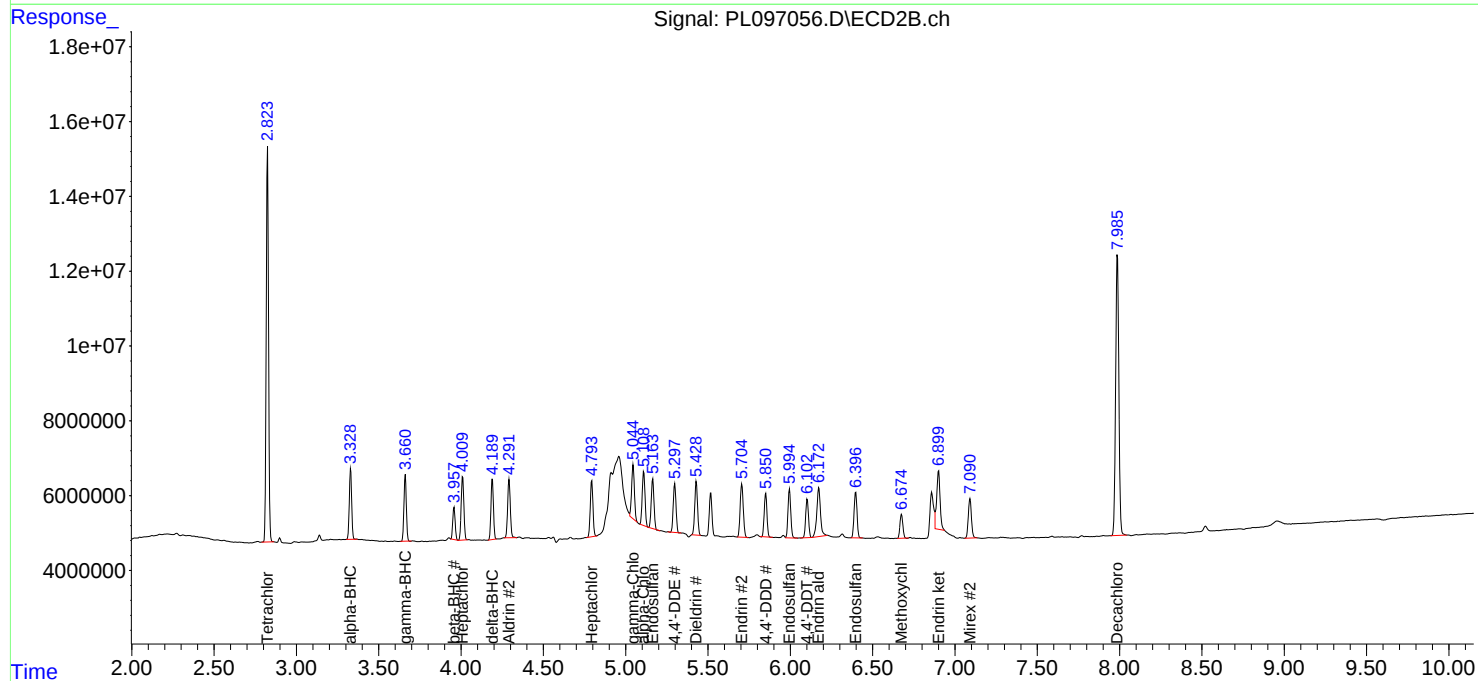
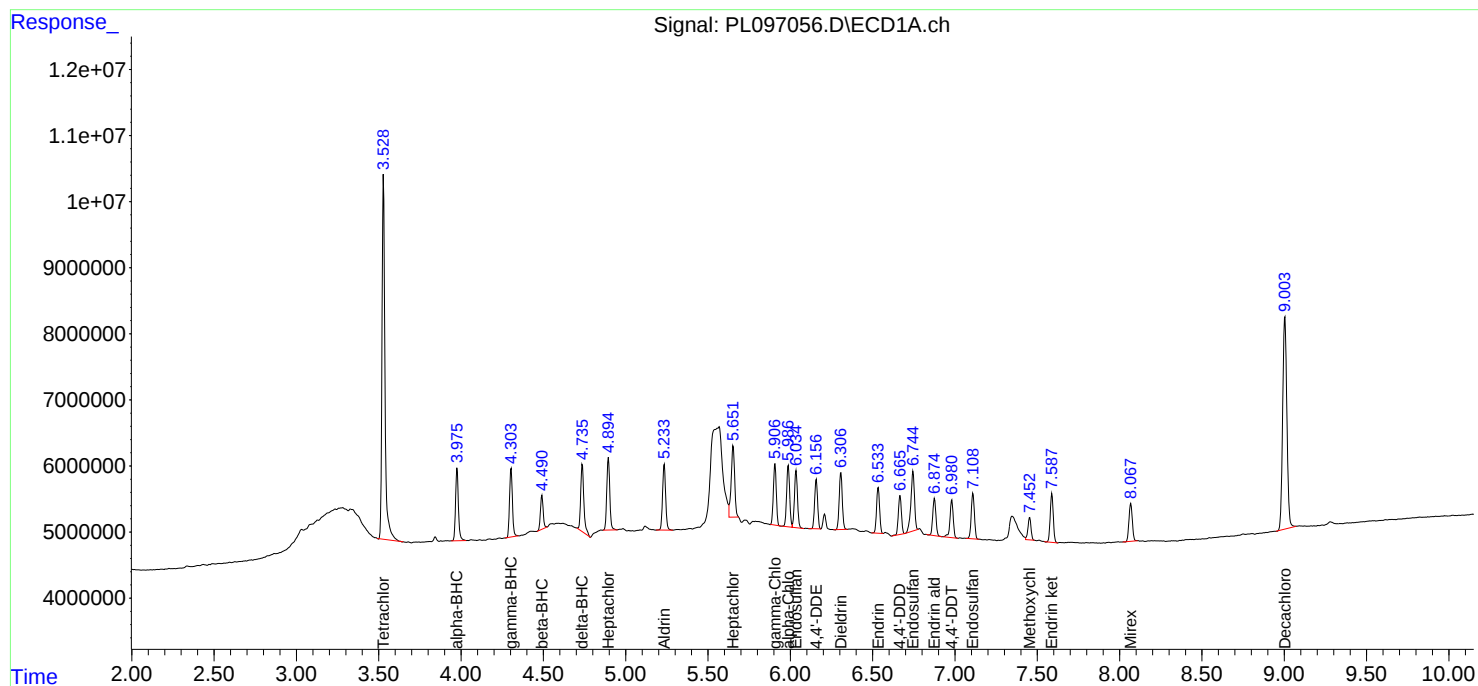
Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

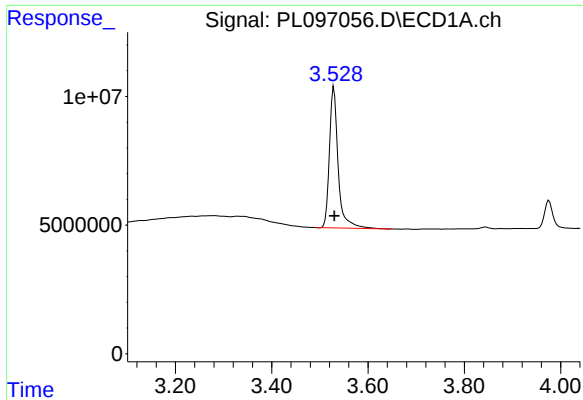
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 05 09:23:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 05 09:22:10 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





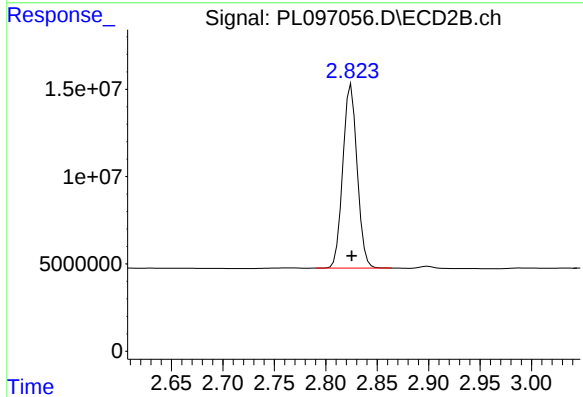
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: 0.000 min
Response: 69032281
Conc: 17.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

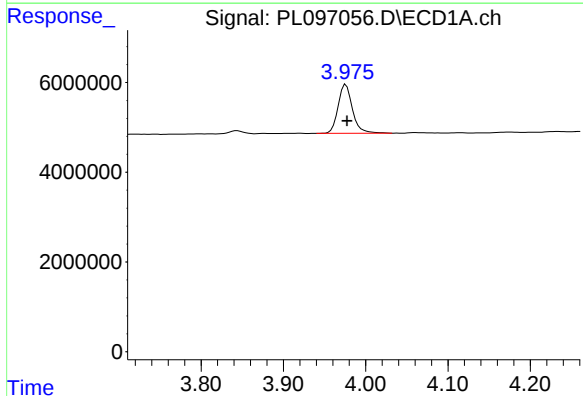
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



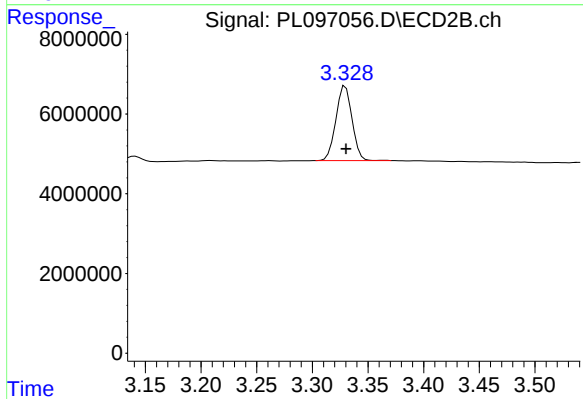
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: 0.000 min
Response: 101997140
Conc: 18.10 ng/ml



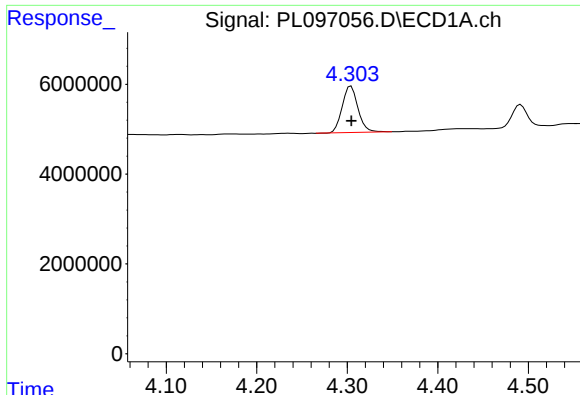
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.001 min
Response: 13176772
Conc: 2.27 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: 0.000 min
Response: 18893821
Conc: 2.30 ng/ml



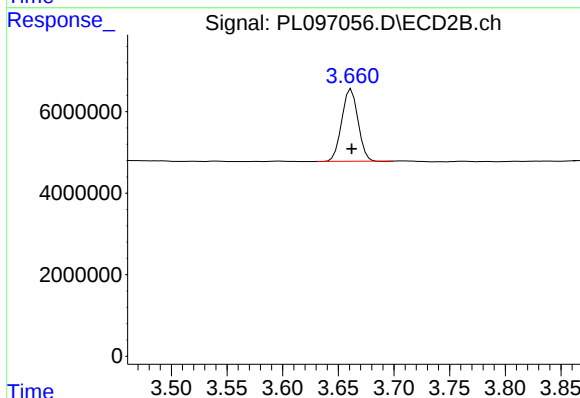
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: 0.000 min
Response: 12499790
Conc: 2.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

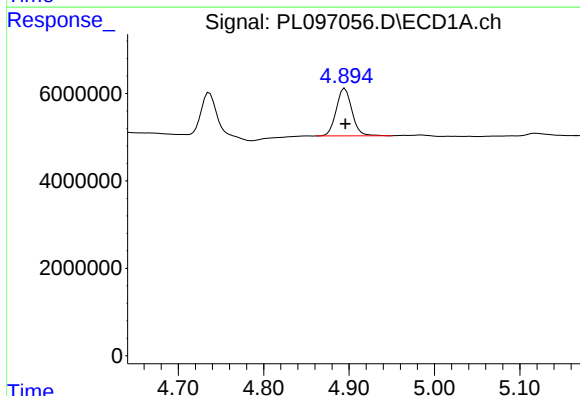
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



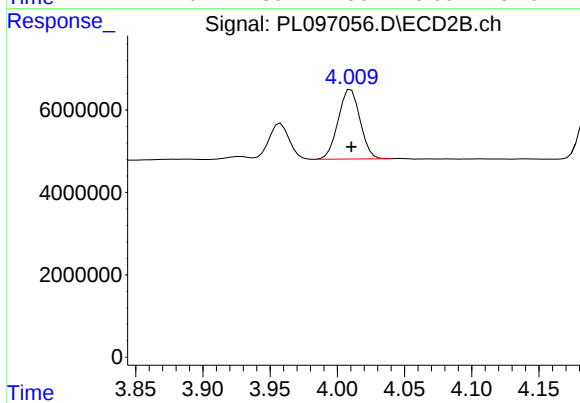
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: 0.000 min
Response: 18034365
Conc: 2.45 ng/ml



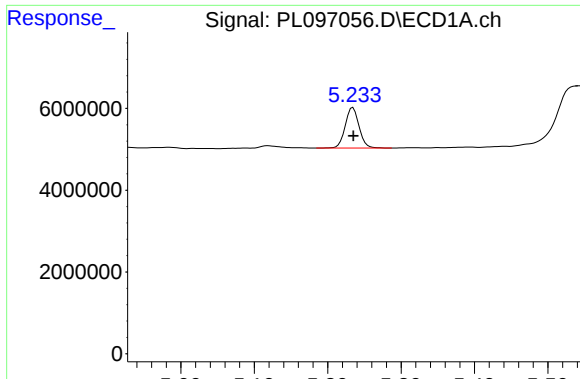
#4 Heptachlor

R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 13884113
Conc: 2.60 ng/ml



#4 Heptachlor

R.T.: 4.010 min
Delta R.T.: 0.000 min
Response: 19023396
Conc: 2.53 ng/ml



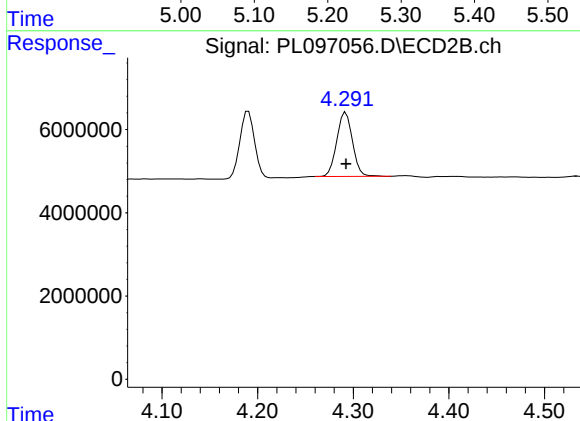
#5 Aldrin

R.T.: 5.234 min
Delta R.T.: 0.000 min
Response: 12980955
Conc: 2.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

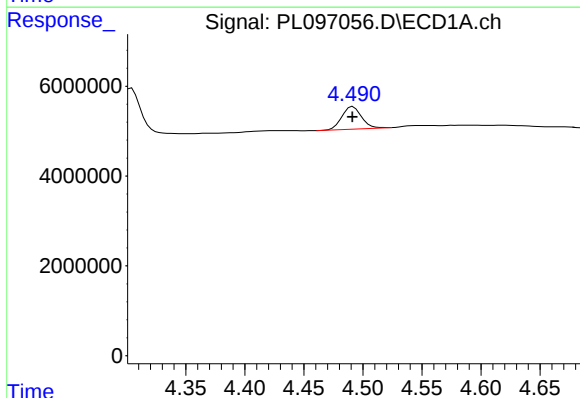
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



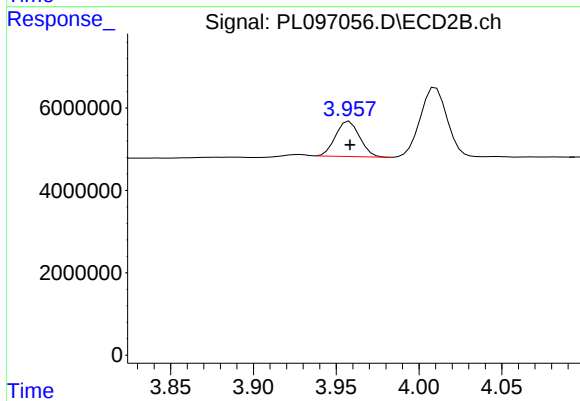
#5 Aldrin

R.T.: 4.292 min
Delta R.T.: 0.000 min
Response: 17590620
Conc: 2.50 ng/ml



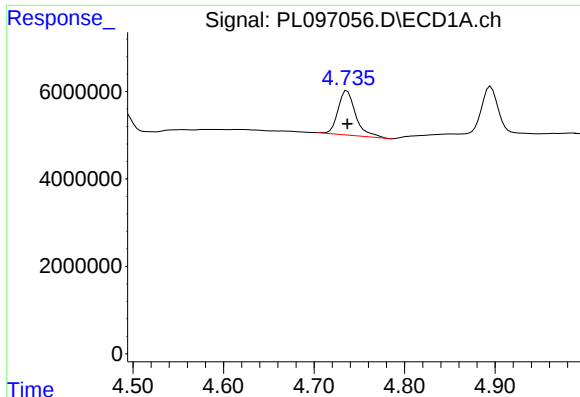
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: 0.000 min
Response: 5844775
Conc: 2.56 ng/ml



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: 0.000 min
Response: 8677834
Conc: 2.66 ng/ml



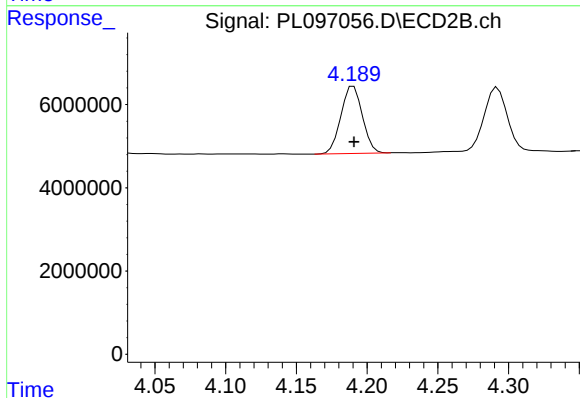
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: 0.000 min
Response: 13733007
Conc: 3.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

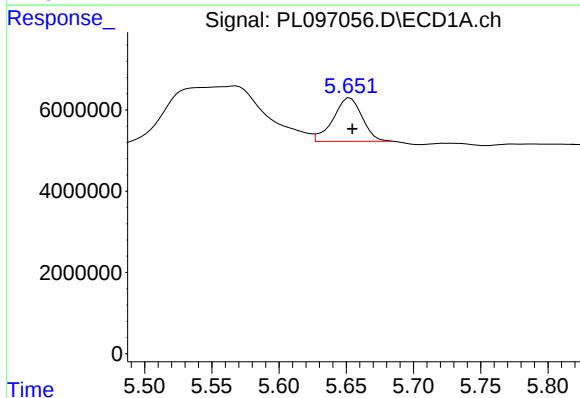
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



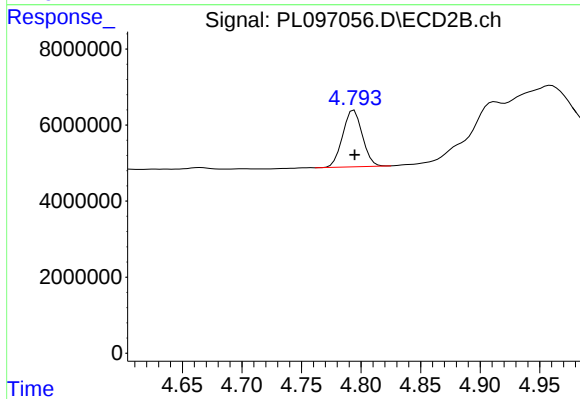
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 17083396
Conc: 2.32 ng/ml



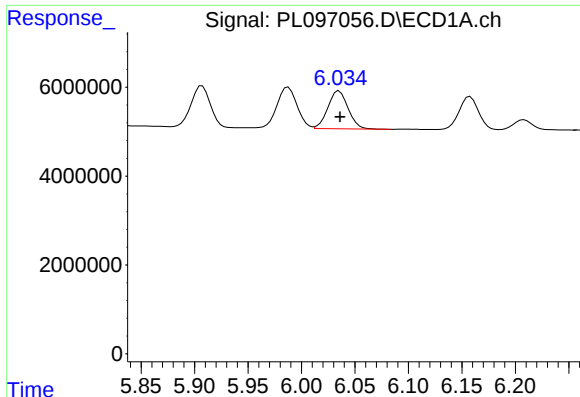
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: -0.003 min
Response: 15939419
Conc: 3.10 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 17075750
Conc: 2.70 ng/ml



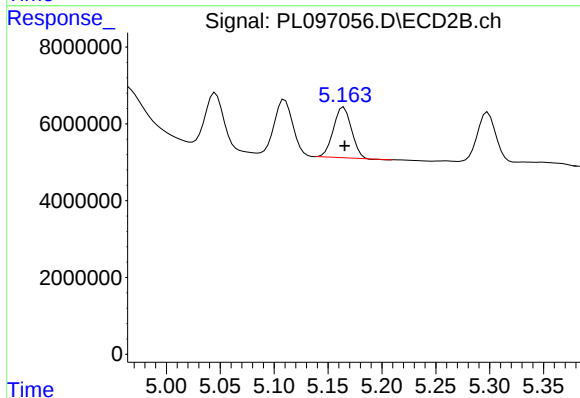
#9 Endosulfan I

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 11215670
Conc: 2.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

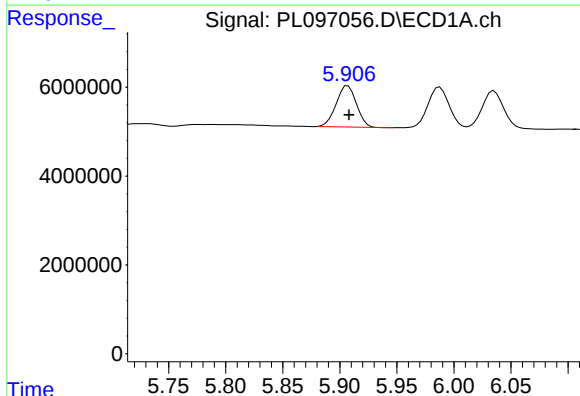
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



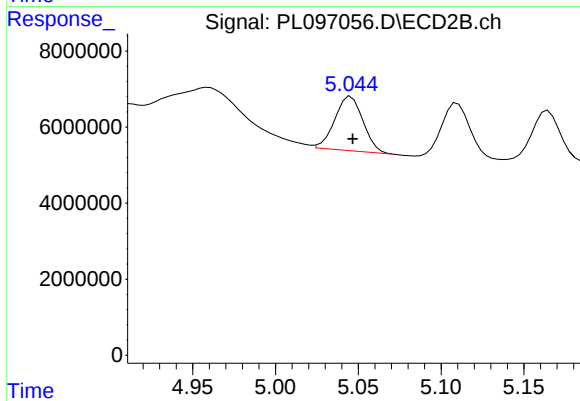
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: 0.000 min
Response: 15326706
Conc: 2.56 ng/ml



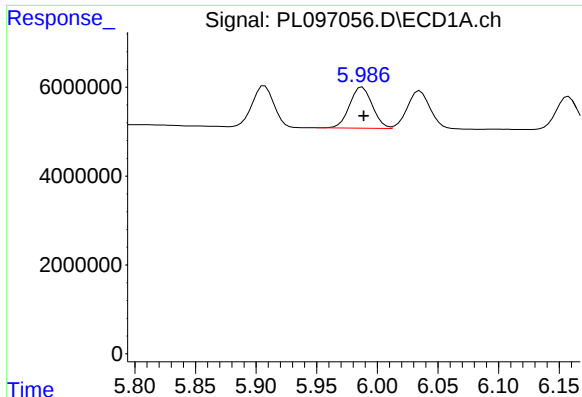
#10 gamma-Chlordane

R.T.: 5.907 min
Delta R.T.: 0.000 min
Response: 11519910
Conc: 2.50 ng/ml



#10 gamma-Chlordane

R.T.: 5.044 min
Delta R.T.: -0.002 min
Response: 16793731
Conc: 2.54 ng/ml m



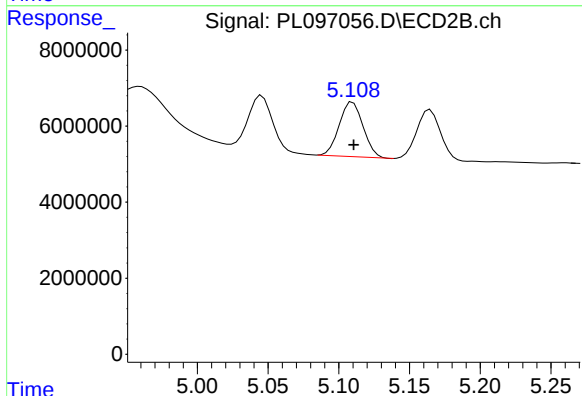
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.001 min
Response: 12054776
Conc: 2.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

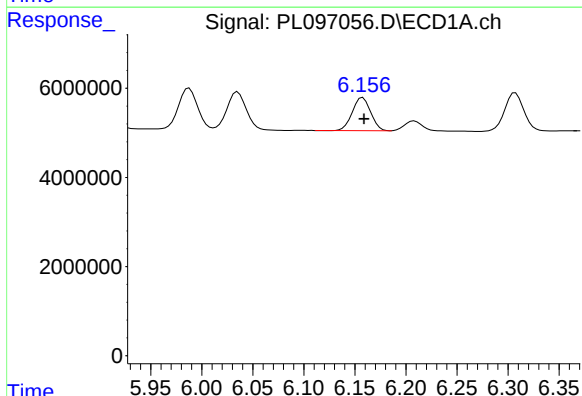
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



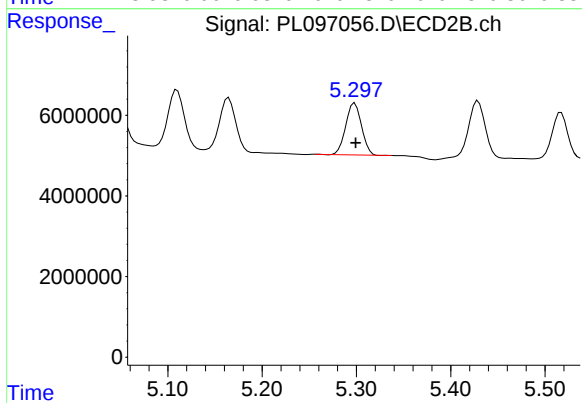
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: 0.000 min
Response: 16918542
Conc: 2.59 ng/ml



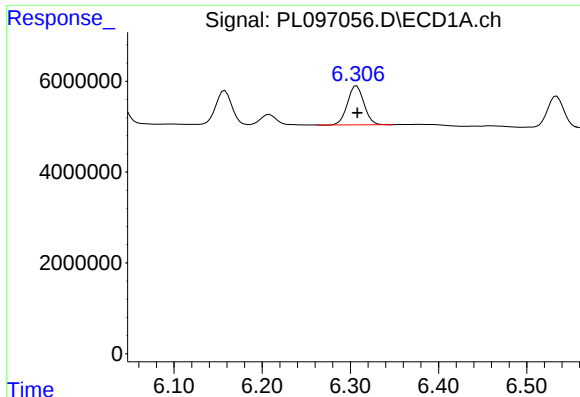
#12 4,4'-DDE

R.T.: 6.158 min
Delta R.T.: -0.001 min
Response: 9287282
Conc: 2.33 ng/ml



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: 0.000 min
Response: 14993428
Conc: 2.44 ng/ml



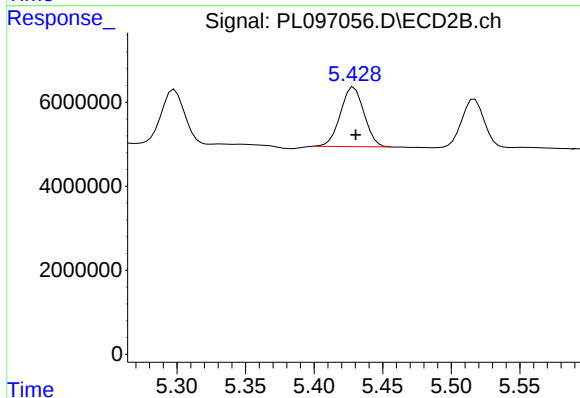
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: 0.000 min
Response: 11169331
Conc: 2.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

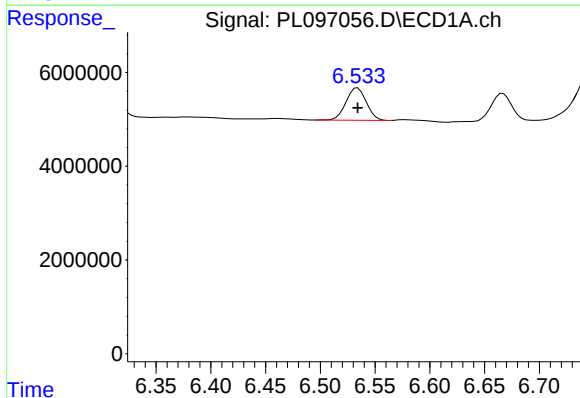
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



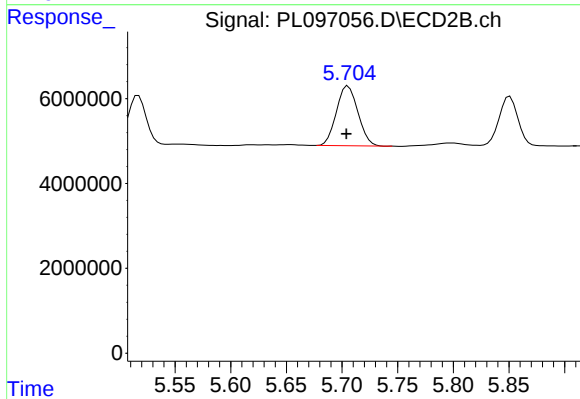
#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: -0.003 min
Response: 17014341
Conc: 2.60 ng/ml m



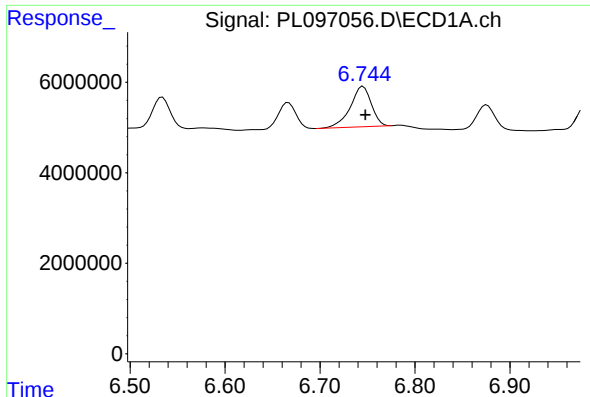
#14 Endrin

R.T.: 6.534 min
Delta R.T.: 0.000 min
Response: 8890705
Conc: 2.37 ng/ml



#14 Endrin

R.T.: 5.705 min
Delta R.T.: 0.001 min
Response: 18926505
Conc: 3.20 ng/ml



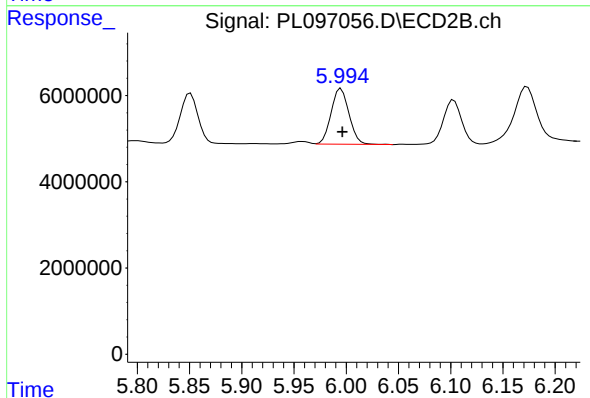
#15 Endosulfan II

R.T.: 6.745 min
Delta R.T.: -0.002 min
Response: 13729956
Conc: 3.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

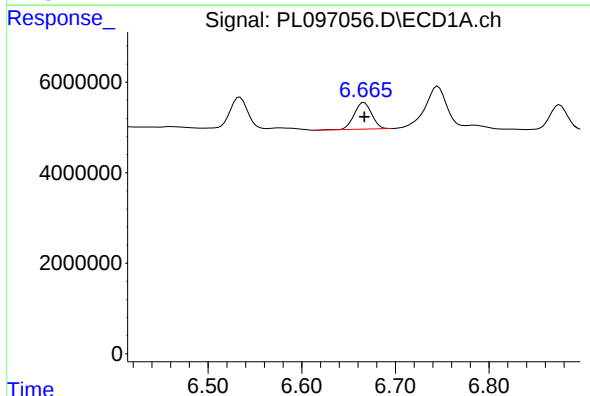
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



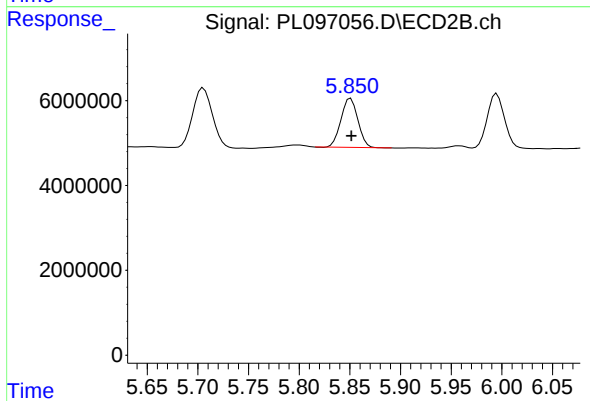
#15 Endosulfan II

R.T.: 5.995 min
Delta R.T.: -0.001 min
Response: 15425901
Conc: 2.70 ng/ml



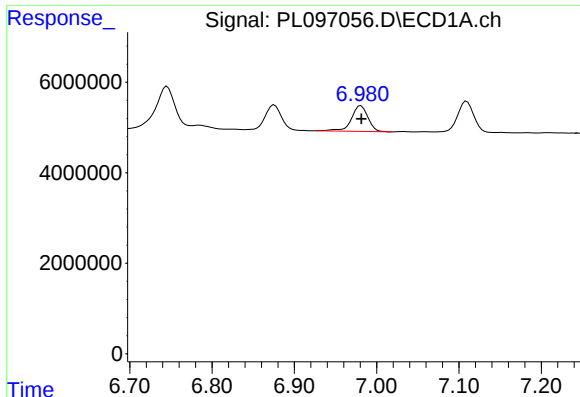
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: 0.000 min
Response: 7667843
Conc: 2.43 ng/ml



#16 4,4'-DDD

R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 13405876
Conc: 2.57 ng/ml



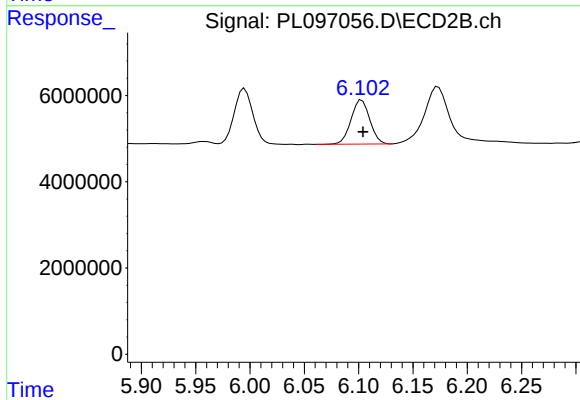
#17 4,4'-DDT

R.T.: 6.981 min
Delta R.T.: 0.000 min
Response: 7947492
Conc: 2.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

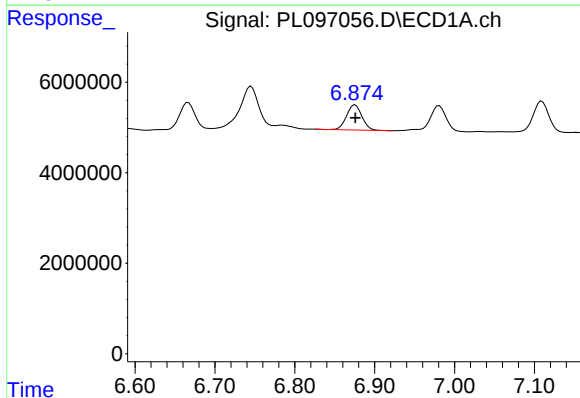
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



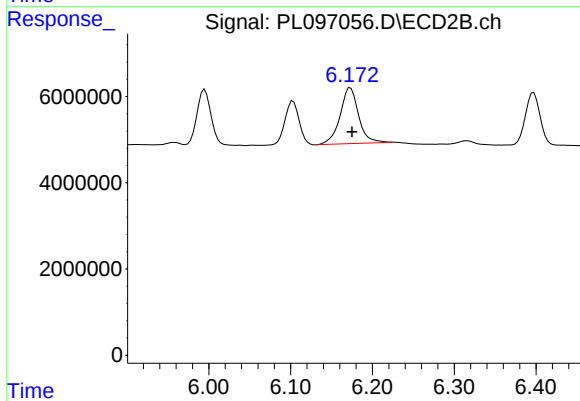
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.001 min
Response: 12273354
Conc: 2.24 ng/ml



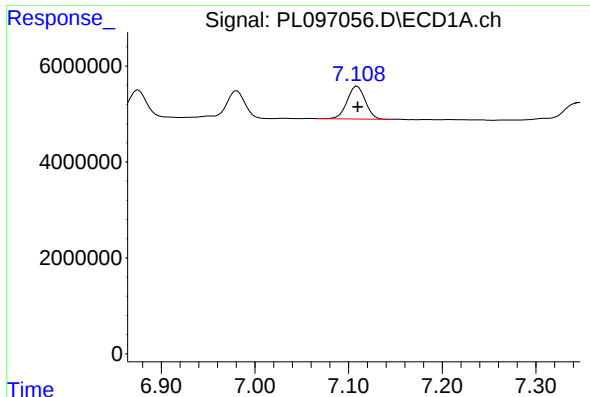
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 7487565
Conc: 2.88 ng/ml



#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: -0.003 min
Response: 20295002
Conc: 4.22 ng/ml m



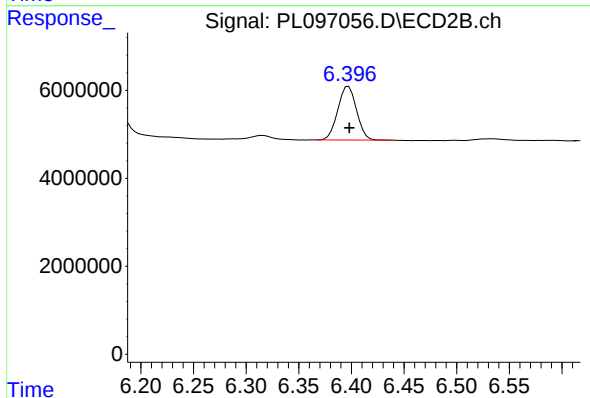
#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 9197302
Conc: 2.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

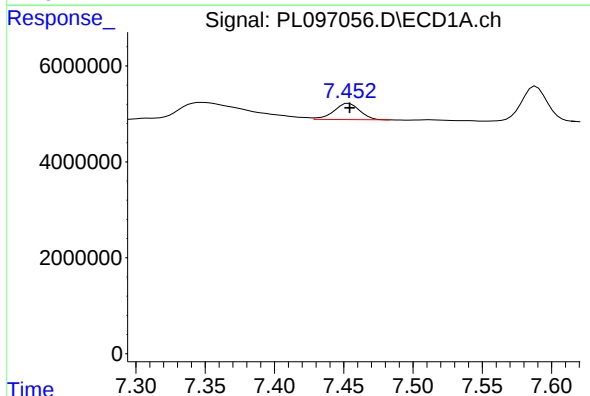
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



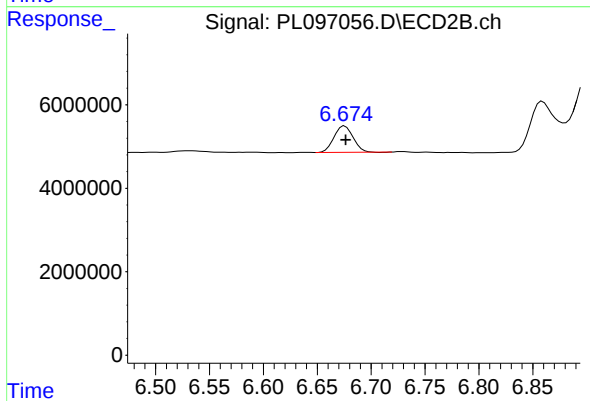
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 15170557
Conc: 2.71 ng/ml



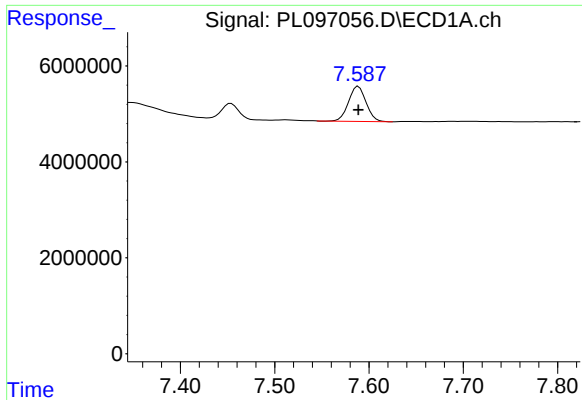
#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 4347444
Conc: 2.51 ng/ml m



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: 0.000 min
Response: 7761787
Conc: 2.59 ng/ml



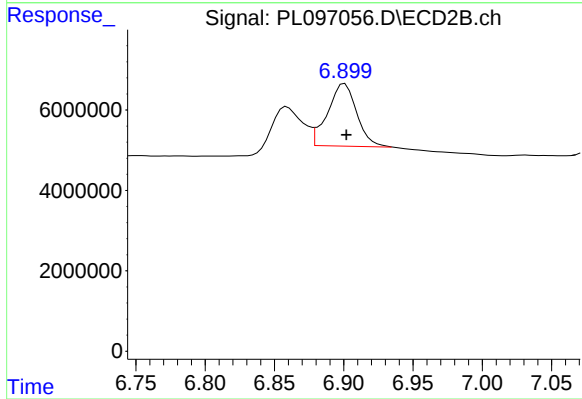
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: 0.000 min
Response: 9485518
Conc: 2.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

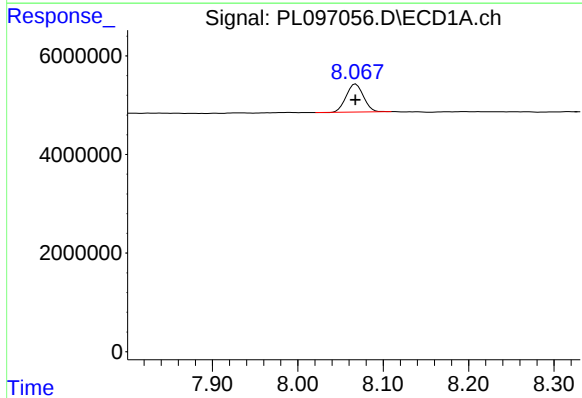
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



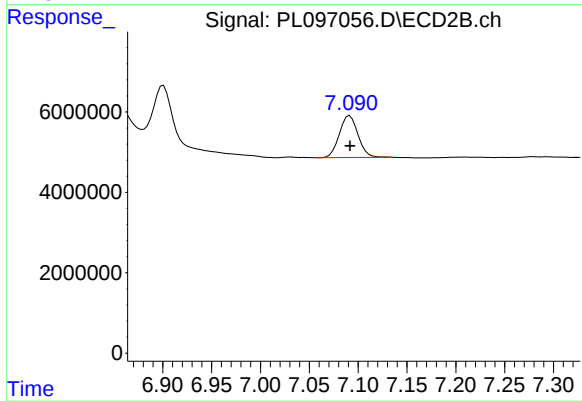
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: -0.003 min
Response: 22381392
Conc: 3.58 ng/ml m



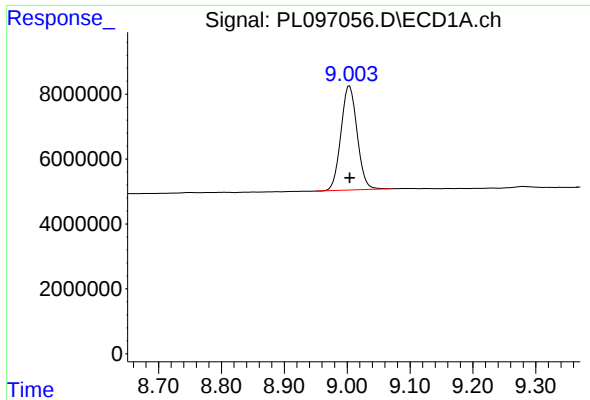
#22 Mirex

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 7996324
Conc: 2.67 ng/ml



#22 Mirex

R.T.: 7.091 min
Delta R.T.: 0.000 min
Response: 13869131
Conc: 2.86 ng/ml



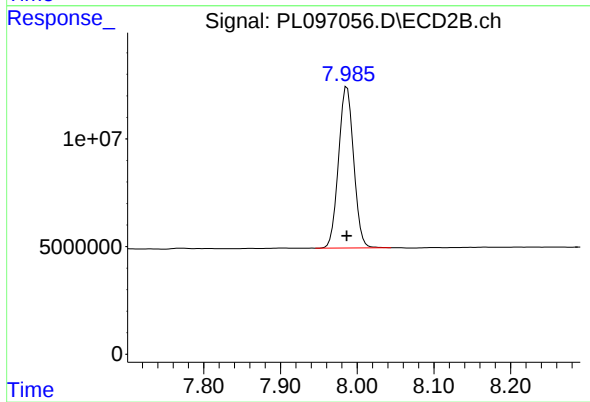
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: 0.000 min
Response: 57534612
Conc: 19.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: 0.000 min
Response: 102666498
Conc: 21.41 ng/ml