

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
 Data File : PL097058.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 18:07
 Operator : AR\AJ
 Sample : Q2893-02
 Misc : PEST LOQ 5PPB
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOQ-SOIL-02-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 09:24:22 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	66142968	97003442	16.771	17.209
2) SA Decachlor...	9.004	7.986	55014838	95682825	18.582	19.951
Target Compounds						
2) A alpha-BHC	3.976	3.330	24669823	36290801	4.258	4.420
3) MA gamma-BHC...	4.304	3.661	23909802	35015543	4.378	4.753
4) MA Heptachlor	4.895	4.009	26466534	36415024	4.963	4.840
5) MB Aldrin	5.234	4.292	25184293	33242161	4.794	4.727
6) B beta-BHC	4.491	3.958	10949431	16724885	4.788	5.127
7) B delta-BHC	4.735	4.190	22461098	33233930	4.991m	4.522
8) B Heptachlo...	5.651	4.794	33088572	31719420	6.430m	5.015
9) A Endosulfan I	6.036	5.164	21025791	31524406	4.893	5.262
10) B gamma-Chl...	5.907	5.045	21451620	31018002	4.658	4.692
11) B alpha-Chl...	5.988	5.110	22534725	33941509	4.789	5.198
12) B 4,4'-DDE	6.158	5.298	17597107	27638295	4.410	4.491
13) MA Dieldrin	6.308	5.427	21017543	32440720	4.629	4.951m
14) MA Endrin	6.533	5.708	17344801	52269154	4.632m	8.848 #
15) B Endosulfa...	6.745	5.995	23983567	29083321	5.445m	5.086
16) A 4,4'-DDD	6.666	5.850	15679322	24645907	4.968m	4.719
17) MA 4,4'-DDT	6.980	6.103	14398777	24117253	4.111m	4.403
18) B Endrin al...	6.876	6.173	14123283	31505698	5.429	6.552
19) B Endosulfa...	7.109	6.397	17263768	28558000	5.028	5.097
20) A Methoxychlor	7.452	6.675	10763673	15418596	6.202m	5.140
21) B Endrin ke...	7.588	6.898	17660653	69439164	4.967m	11.094m#
22) Mirex	8.068	7.091	15719376	24235835	5.254	4.990

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
Data File : PL097058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 18:07
Operator : AR\AJ
Sample : Q2893-02
Misc : PEST LOQ 5PPB
ALS Vial : 11 Sample Multiplier: 1

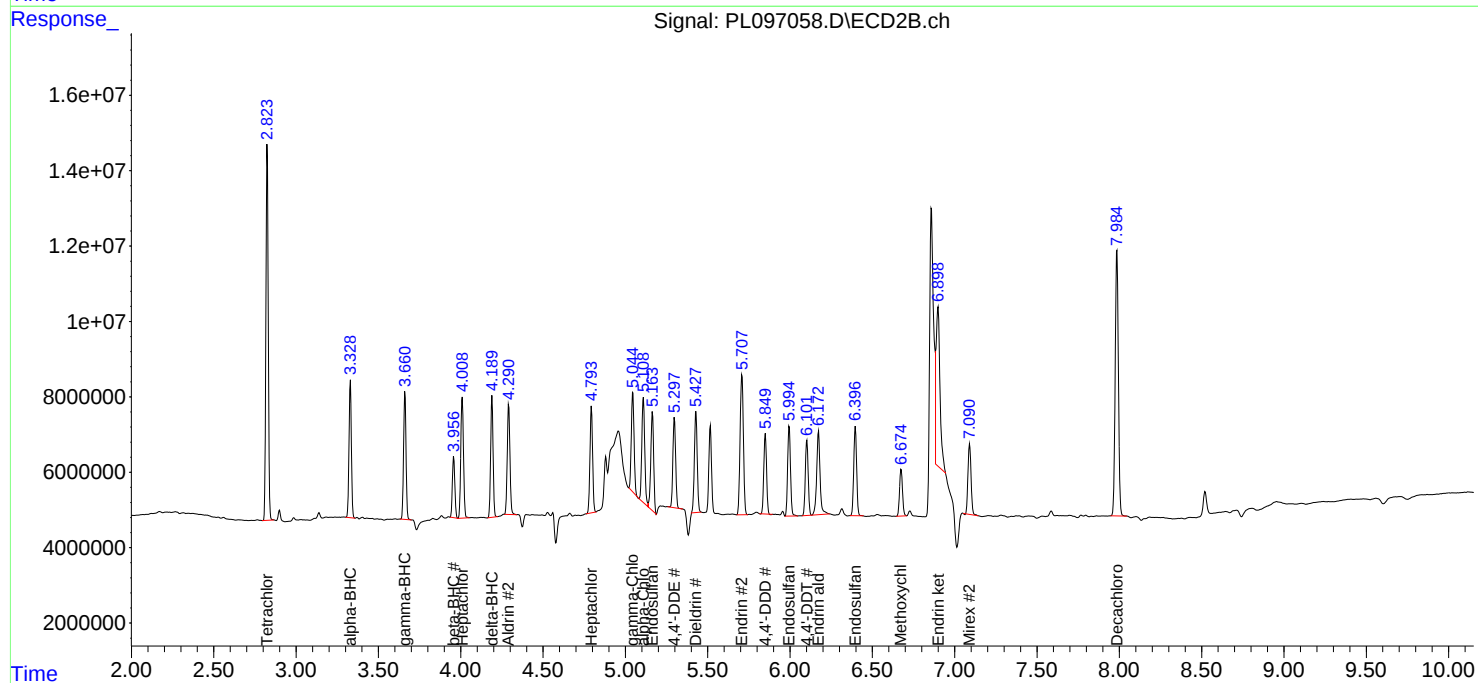
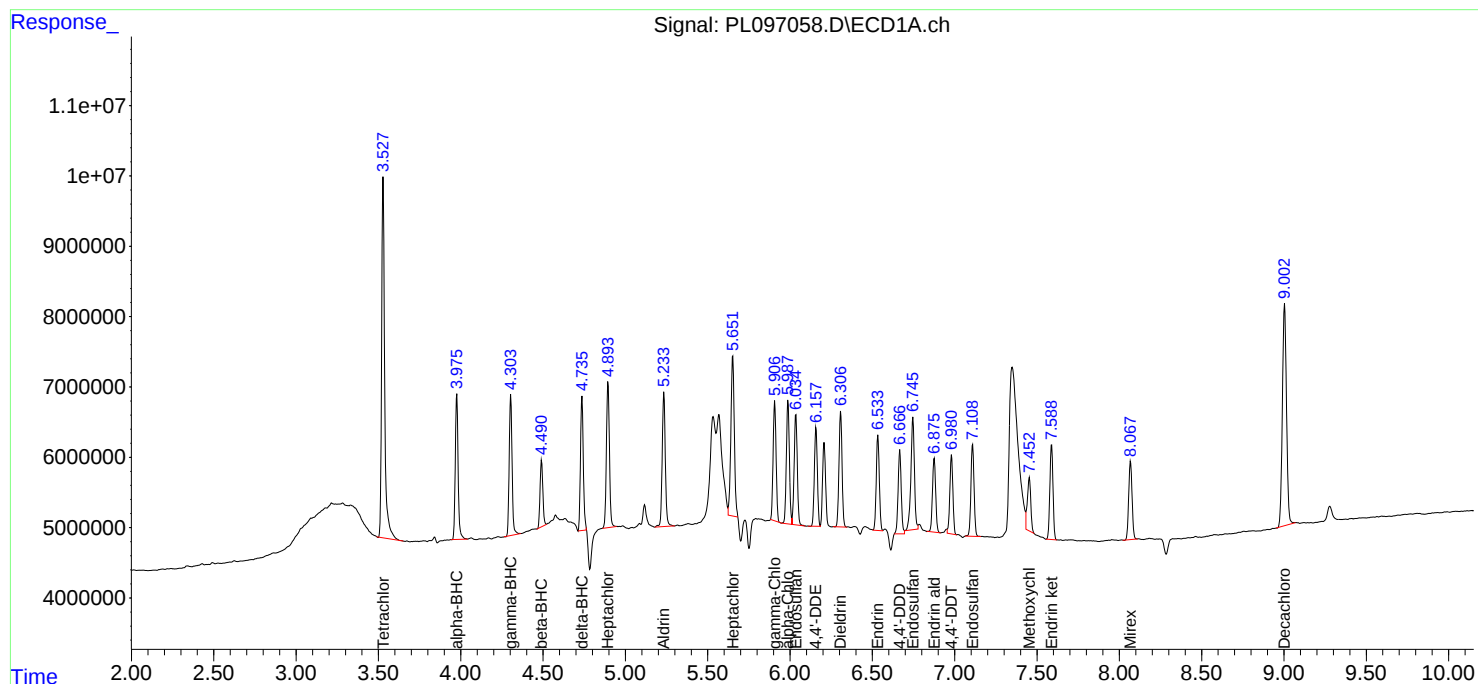
Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

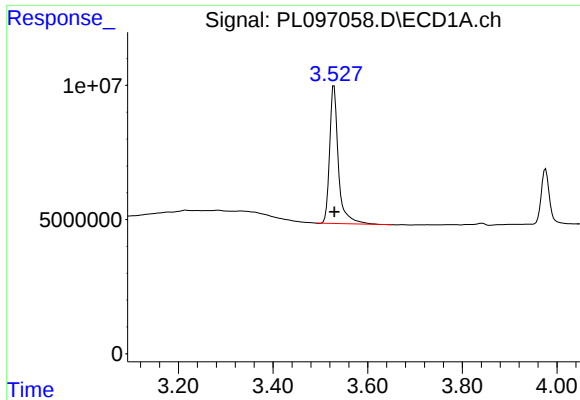
Manual Integrations
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Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 05 09:24:22 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





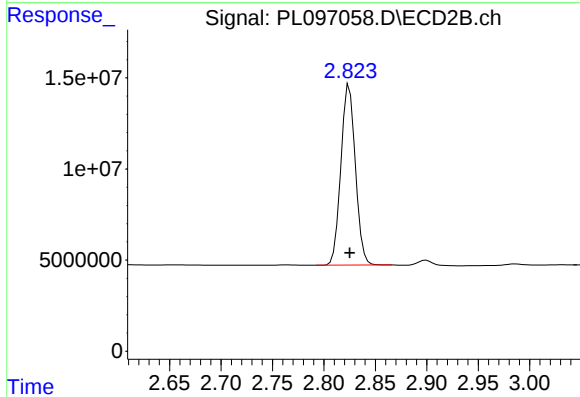
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.001 min
Response: 66142968
Conc: 16.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

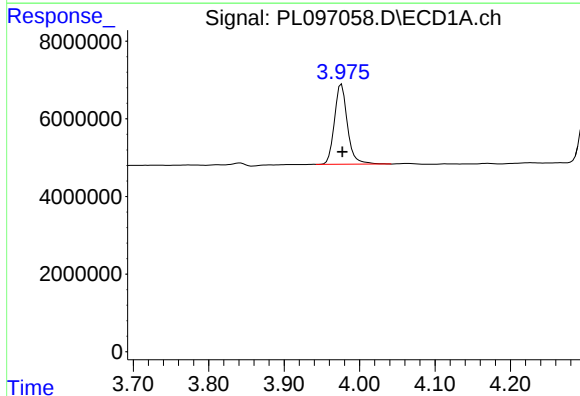
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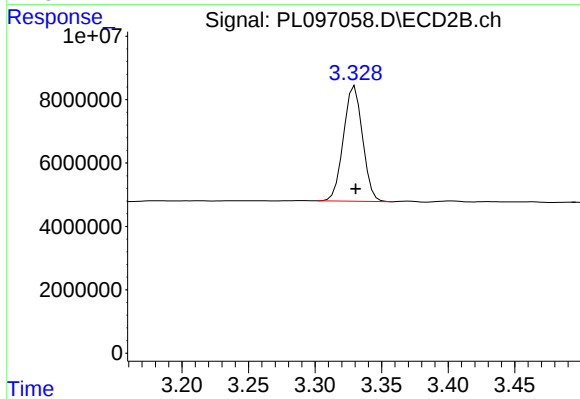
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: 0.000 min
Response: 97003442
Conc: 17.21 ng/ml



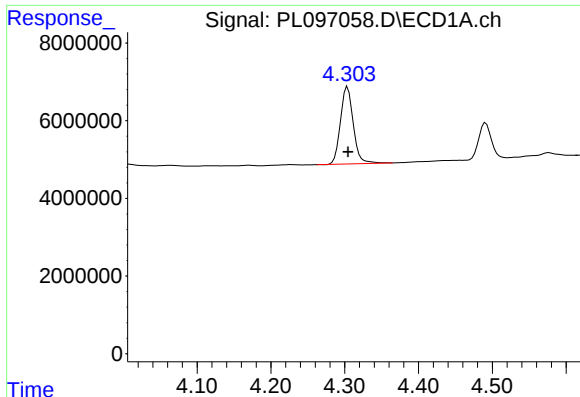
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.001 min
Response: 24669823
Conc: 4.26 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: 0.000 min
Response: 36290801
Conc: 4.42 ng/ml



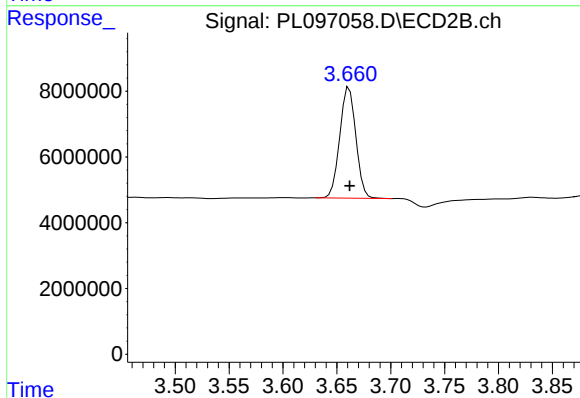
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: 0.000 min
Response: 23909802
Conc: 4.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

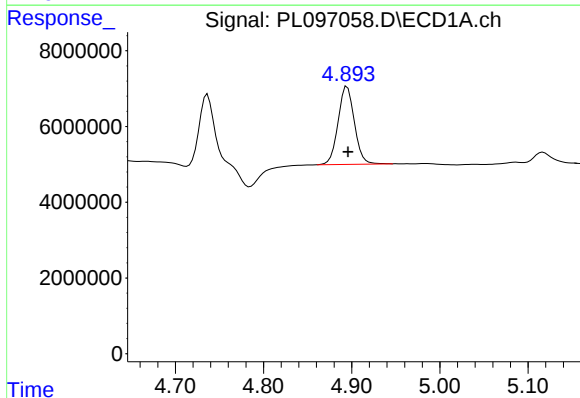
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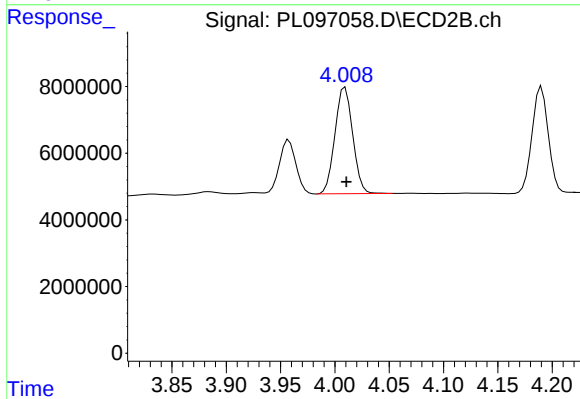
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 35015543
Conc: 4.75 ng/ml



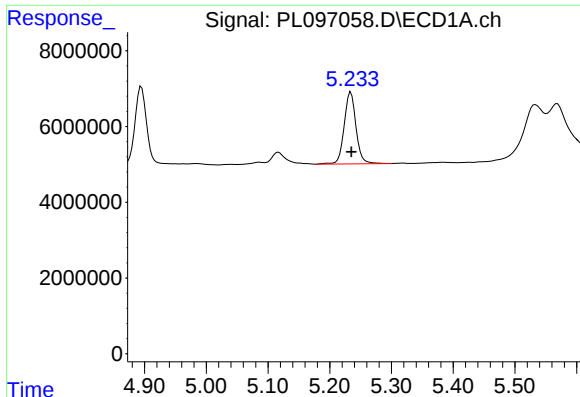
#4 Heptachlor

R.T.: 4.895 min
Delta R.T.: -0.001 min
Response: 26466534
Conc: 4.96 ng/ml



#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: -0.001 min
Response: 36415024
Conc: 4.84 ng/ml



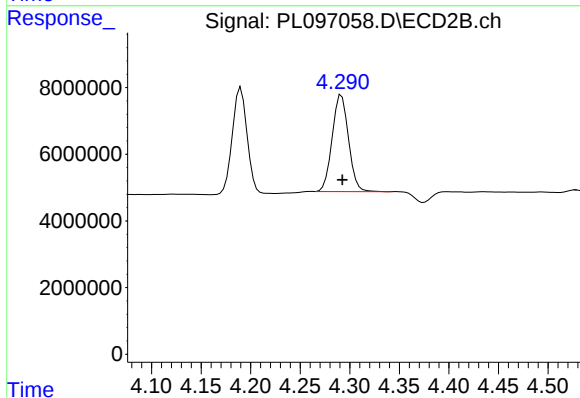
#5 Aldrin

R.T.: 5.234 min
Delta R.T.: 0.000 min
Response: 25184293
Conc: 4.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

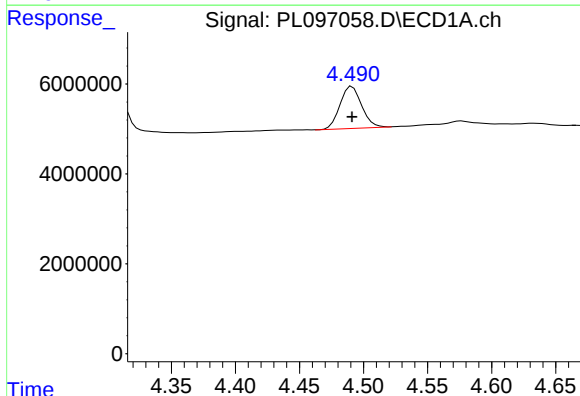
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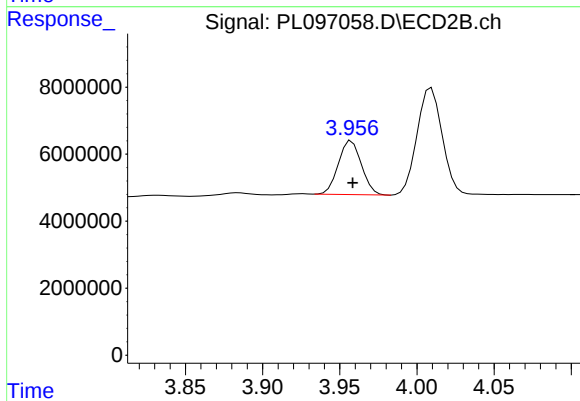
#5 Aldrin

R.T.: 4.292 min
Delta R.T.: -0.001 min
Response: 33242161
Conc: 4.73 ng/ml



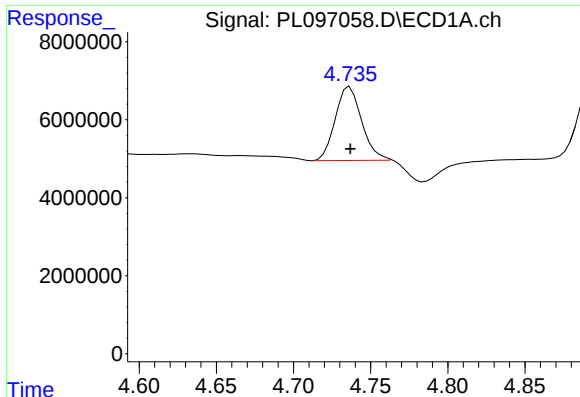
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: 0.000 min
Response: 10949431
Conc: 4.79 ng/ml



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: 0.000 min
Response: 16724885
Conc: 5.13 ng/ml



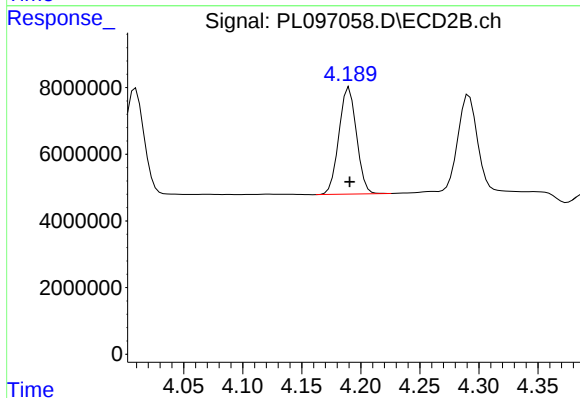
#7 delta-BHC

R.T.: 4.735 min
Delta R.T.: -0.002 min
Response: 22461098
Conc: 4.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

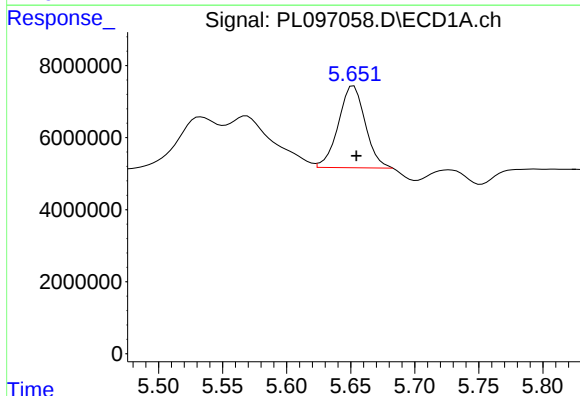
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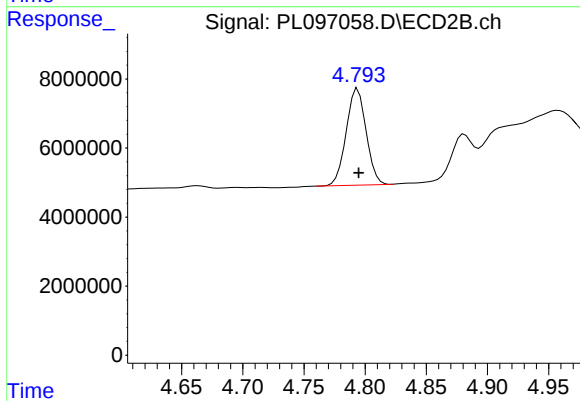
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 33233930
Conc: 4.52 ng/ml



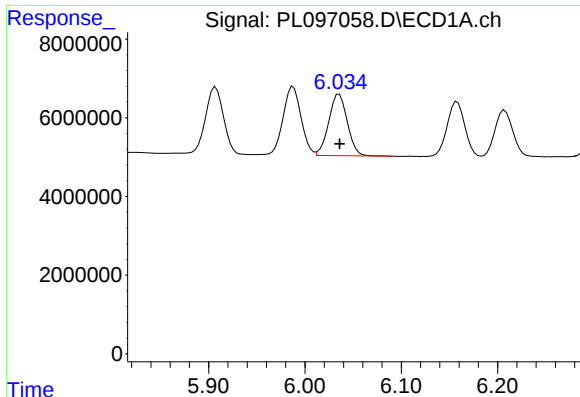
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: -0.004 min
Response: 33088572
Conc: 6.43 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 31719420
Conc: 5.01 ng/ml



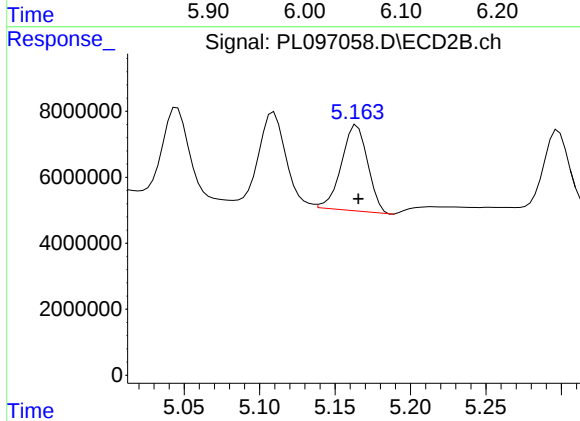
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 21025791
Conc: 4.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

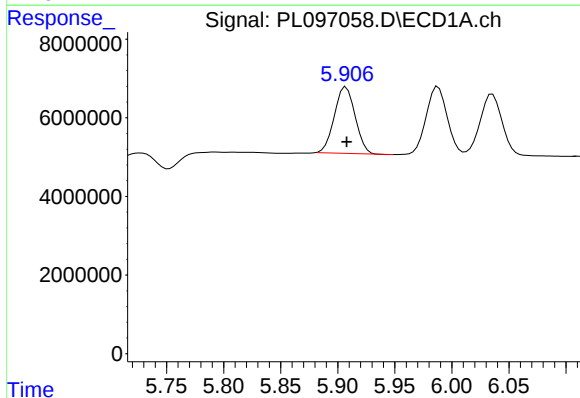
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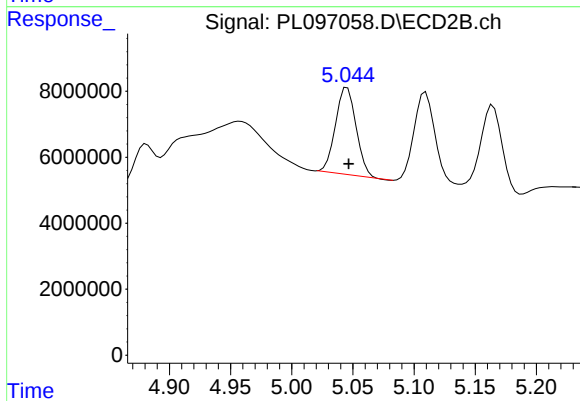
#9 Endosulfan I

R.T.: 5.164 min
Delta R.T.: -0.001 min
Response: 31524406
Conc: 5.26 ng/ml



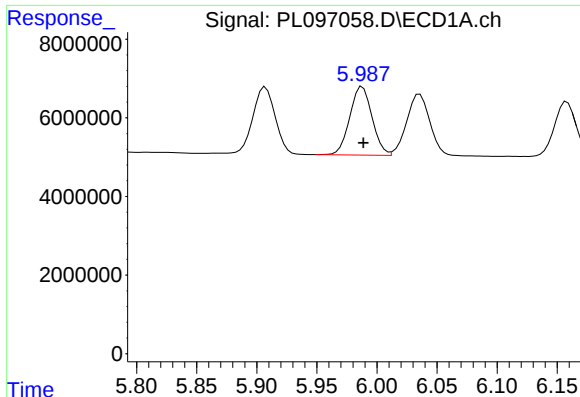
#10 gamma-Chlordane

R.T.: 5.907 min
Delta R.T.: 0.000 min
Response: 21451620
Conc: 4.66 ng/ml



#10 gamma-Chlordane

R.T.: 5.045 min
Delta R.T.: -0.001 min
Response: 31018002
Conc: 4.69 ng/ml



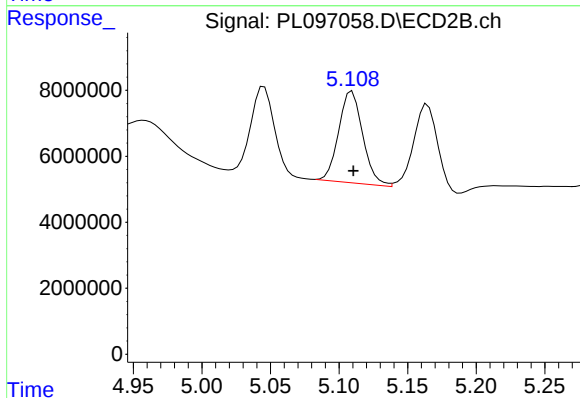
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: 0.000 min
Response: 22534725
Conc: 4.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

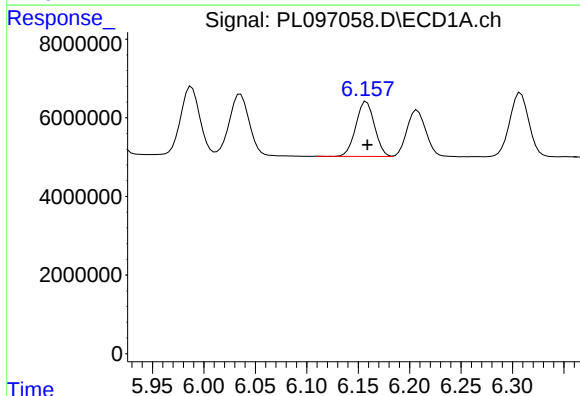
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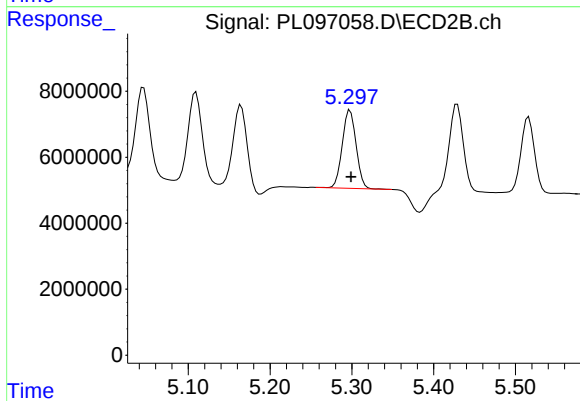
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.001 min
Response: 33941509
Conc: 5.20 ng/ml



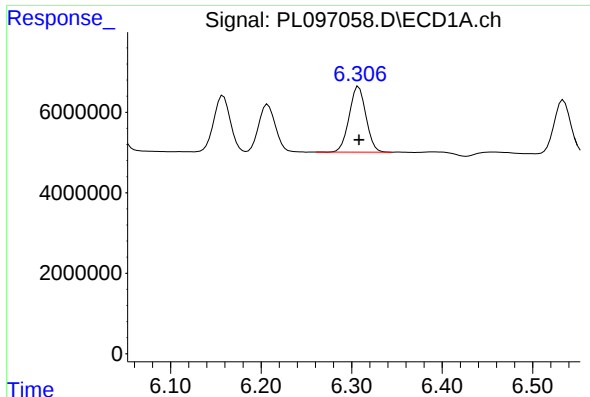
#12 4,4'-DDE

R.T.: 6.158 min
Delta R.T.: 0.000 min
Response: 17597107
Conc: 4.41 ng/ml



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.001 min
Response: 27638295
Conc: 4.49 ng/ml



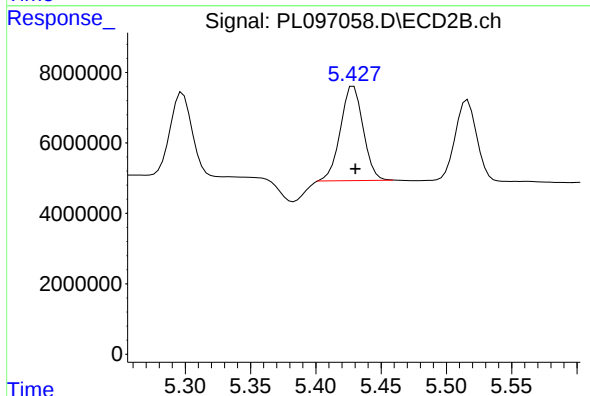
#13 Dieldrin

R.T.: 6.308 min
Delta R.T.: 0.000 min
Response: 21017543
Conc: 4.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

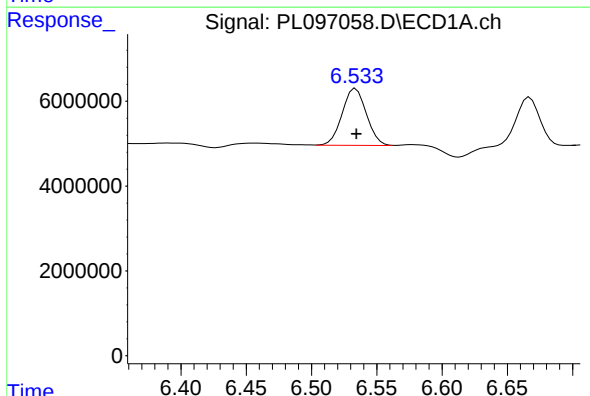
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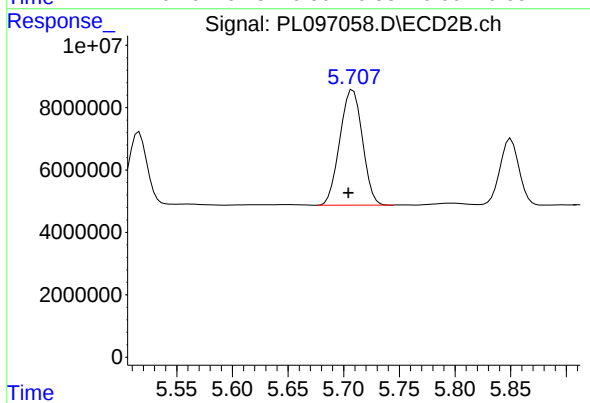
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.003 min
Response: 32440720
Conc: 4.95 ng/ml m



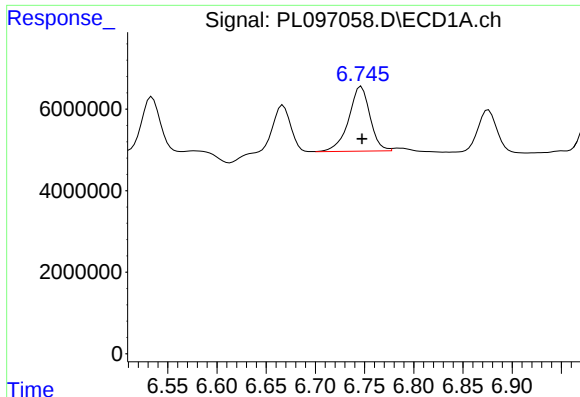
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.002 min
Response: 17344801
Conc: 4.63 ng/ml m



#14 Endrin

R.T.: 5.708 min
Delta R.T.: 0.004 min
Response: 52269154
Conc: 8.85 ng/ml



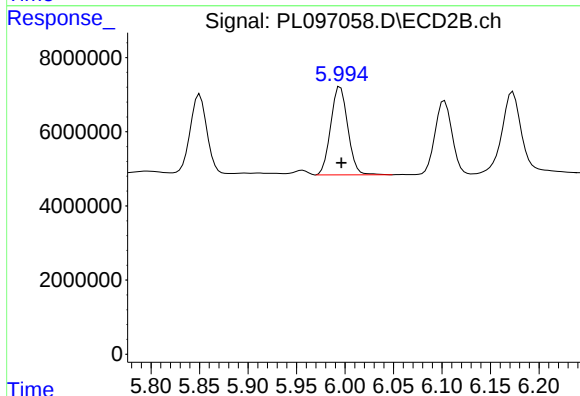
#15 Endosulfan II

R.T.: 6.745 min
Delta R.T.: -0.002 min
Response: 23983567
Conc: 5.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

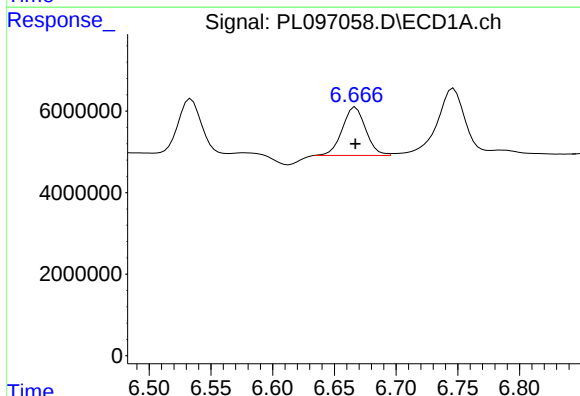
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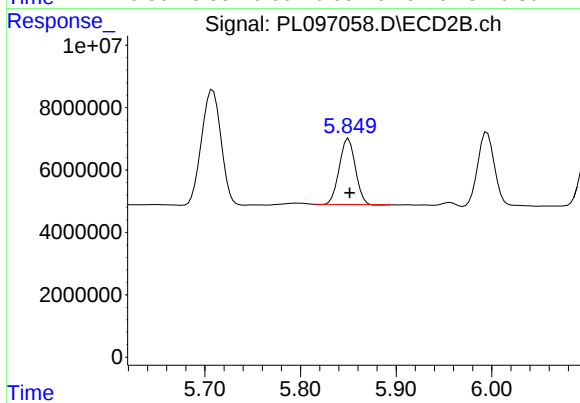
#15 Endosulfan II

R.T.: 5.995 min
Delta R.T.: -0.001 min
Response: 29083321
Conc: 5.09 ng/ml



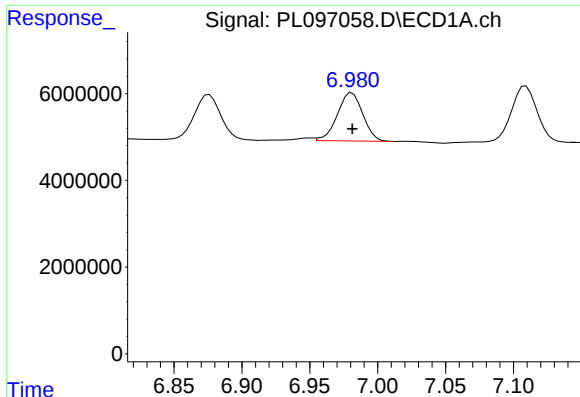
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: -0.001 min
Response: 15679322
Conc: 4.97 ng/ml m



#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.001 min
Response: 24645907
Conc: 4.72 ng/ml



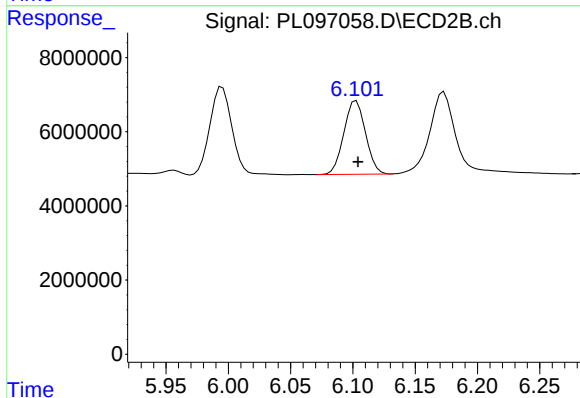
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 14398777
Conc: 4.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

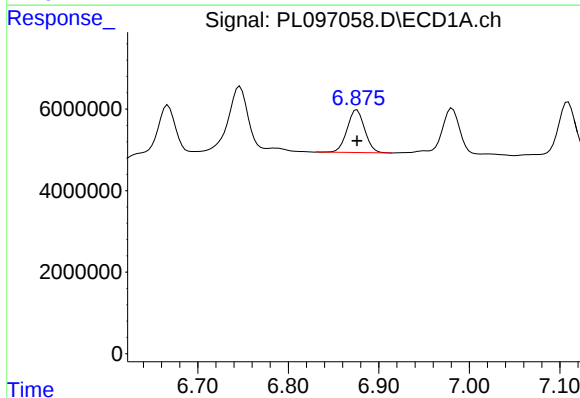
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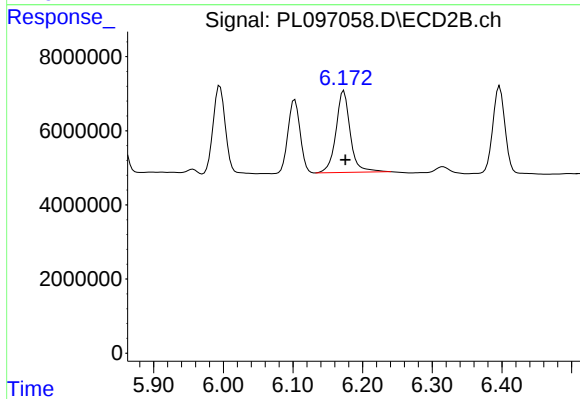
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.002 min
Response: 24117253
Conc: 4.40 ng/ml



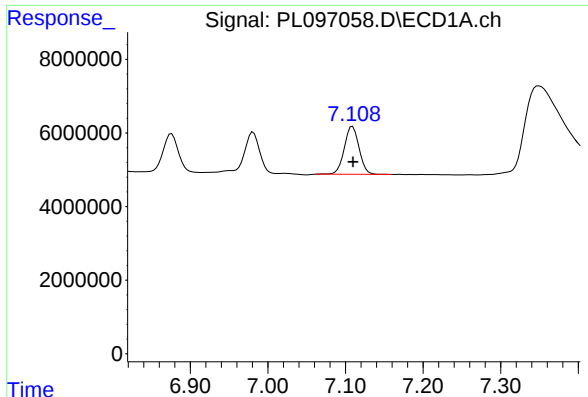
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 14123283
Conc: 5.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 31505698
Conc: 6.55 ng/ml



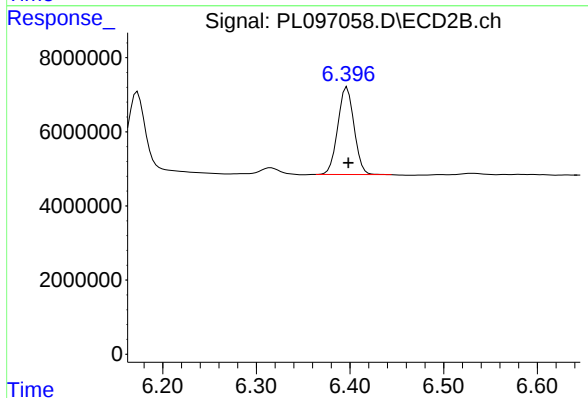
#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 17263768
Conc: 5.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

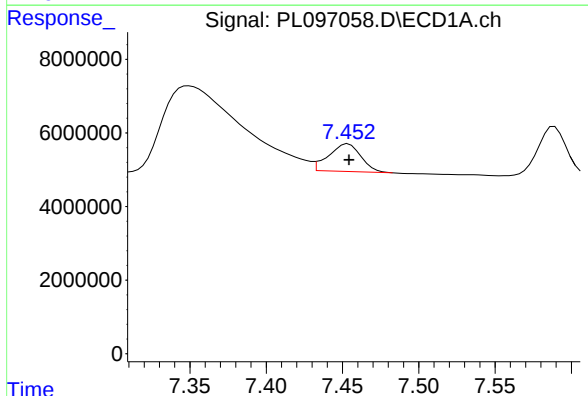
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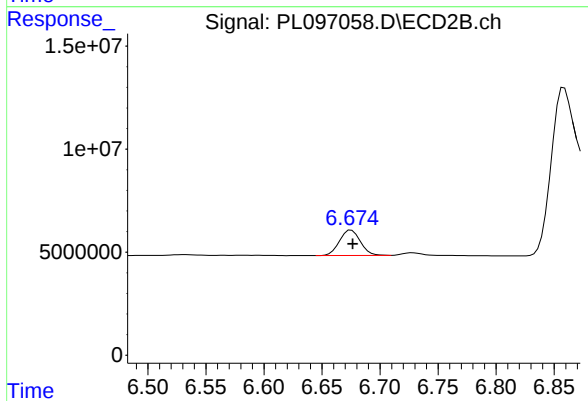
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: -0.001 min
Response: 28558000
Conc: 5.10 ng/ml



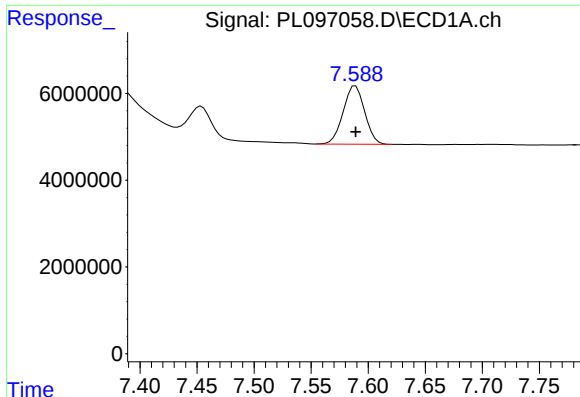
#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 10763673
Conc: 6.20 ng/ml m



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.001 min
Response: 15418596
Conc: 5.14 ng/ml



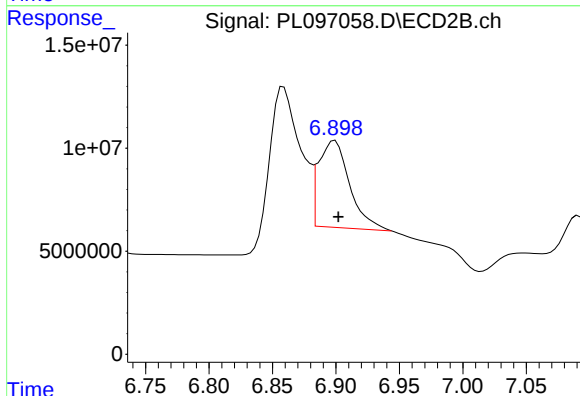
#21 Endrin ketone

R.T.: 7.588 min
Delta R.T.: -0.001 min
Response: 17660653
Conc: 4.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

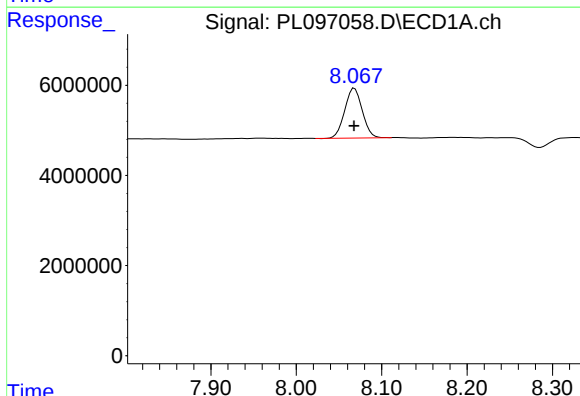
Manual Integrations
APPROVED

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



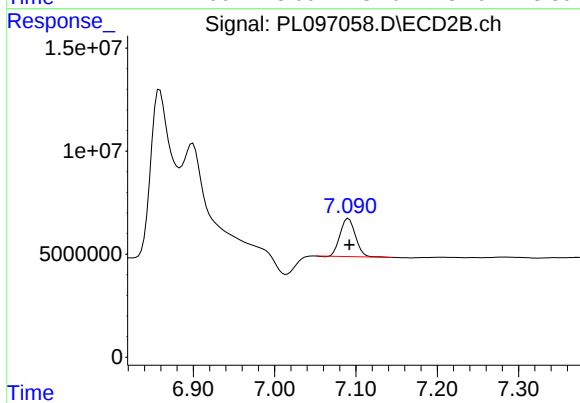
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.004 min
Response: 69439164
Conc: 11.09 ng/ml m



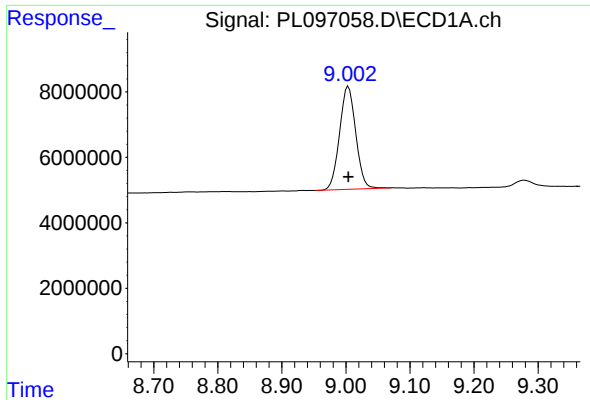
#22 Mirex

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 15719376
Conc: 5.25 ng/ml



#22 Mirex

R.T.: 7.091 min
Delta R.T.: 0.000 min
Response: 24235835
Conc: 4.99 ng/ml



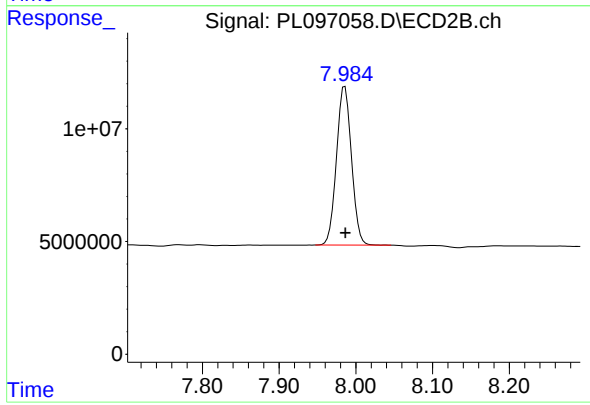
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: 0.000 min
Response: 55014838
Conc: 18.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

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#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: 0.000 min
Response: 95682825
Conc: 19.95 ng/ml