

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091025\
 Data File : PL097106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 13:03
 Operator : AR\AJ
 Sample : Q2893-03
 Misc : PEST MDL 1PPB
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MDL-SOIL-03-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/11/2025
 Supervised By :mohammad ahmed 09/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 07:57:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 10 07:56:06 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...	3.528	2.822	69945591	101.5E6	17.735	18.006
28) SA Decachlor...	9.003	7.983	57864333	99848872	19.544	20.820
Target Compounds						
2) A alpha-BHC	3.974	3.327	4964590	7461992	0.857	0.909
3) MA gamma-BHC...	4.302	3.659	5513447	6983143	1.009	0.948
4) MA Heptachlor	4.894	4.007	5979335	7557162	1.121	1.004
5) MB Aldrin	5.233	4.289	5246655	6730314	0.999	0.957
6) B beta-BHC	4.488	3.954	2678261	3417532	1.171m	1.048m
7) B delta-BHC	4.735	4.188	6183546	6879056	1.374	0.936 #
8) B Heptachlo...	5.651	4.791	6312862	7911023	1.227m	1.251
9) A Endosulfan I	6.034	5.161	4943056	6530662	1.150	1.090
10) B gamma-Chl...	5.906	5.041	4631970	6889779	1.006	1.042m
11) B alpha-Chl...	5.987	5.107	5247825	6907927	1.115	1.058
12) B 4,4'-DDE	6.155	5.295	3832733	6061573	0.961m	0.985
13) MA Dieldrin	6.306	5.426	4375293	6637903	0.964	1.013
14) MA Endrin	6.532	5.702	3449029	5970789	0.921m	1.011
15) B Endosulfa...	6.743	5.993	5092166	6300227	1.156m	1.102
16) A 4,4'-DDD	6.665	5.848	3928827	5613704	1.245m	1.075
17) MA 4,4'-DDT	6.978	6.100	2642872	7532182	0.755m	1.375m#
18) B Endrin al...	6.873	6.170	3109014	5780906	1.195m	1.202m
19) B Endosulfa...	7.107	6.394	3792853	6013931	1.105m	1.073
20) A Methoxychlor	7.451	6.671	1477379	2919314	0.851m	0.973m
21) B Endrin ke...	7.586	6.897	3924868	8222976	1.104m	1.314m
22) Mirex	8.066	7.089	3286520	6044689	1.098m	1.245

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091025\
Data File : PL097106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 13:03
Operator : AR\AJ
Sample : Q2893-03
Misc : PEST MDL 1PPB
ALS Vial : 9 Sample Multiplier: 1

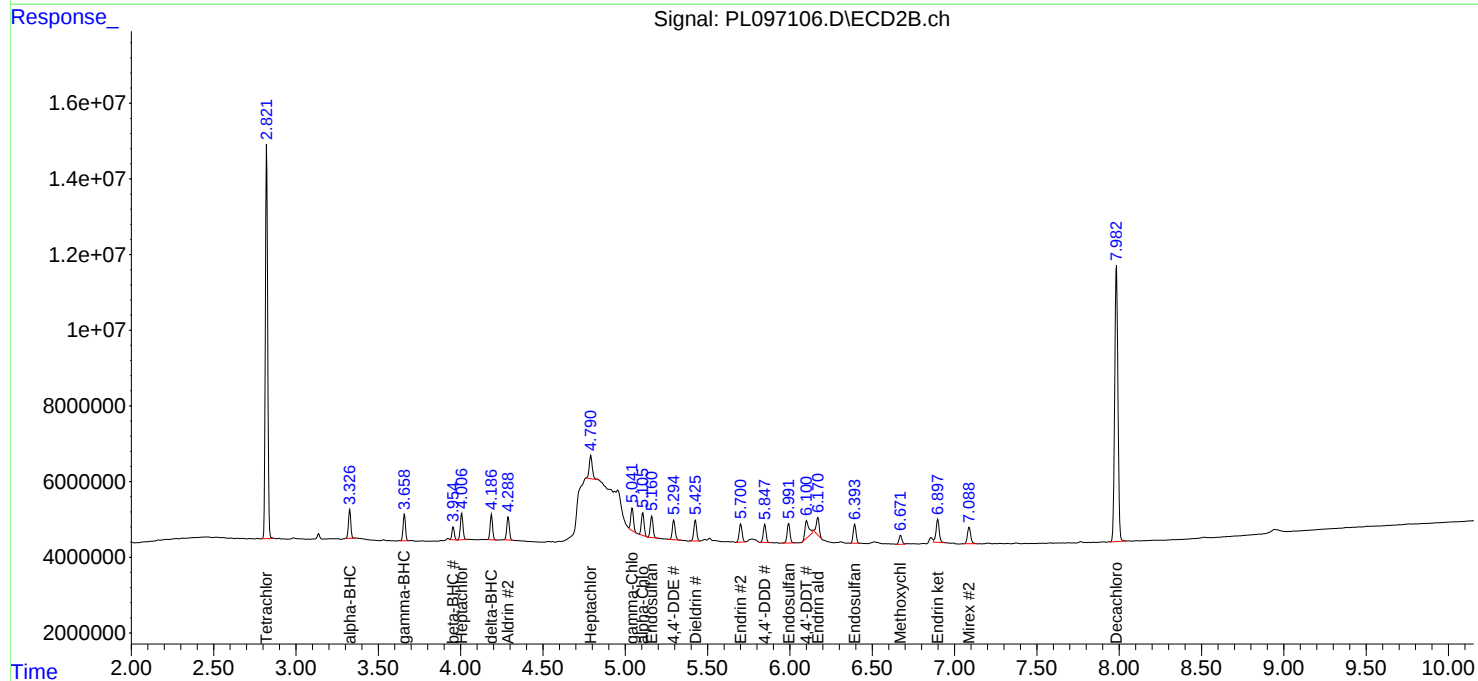
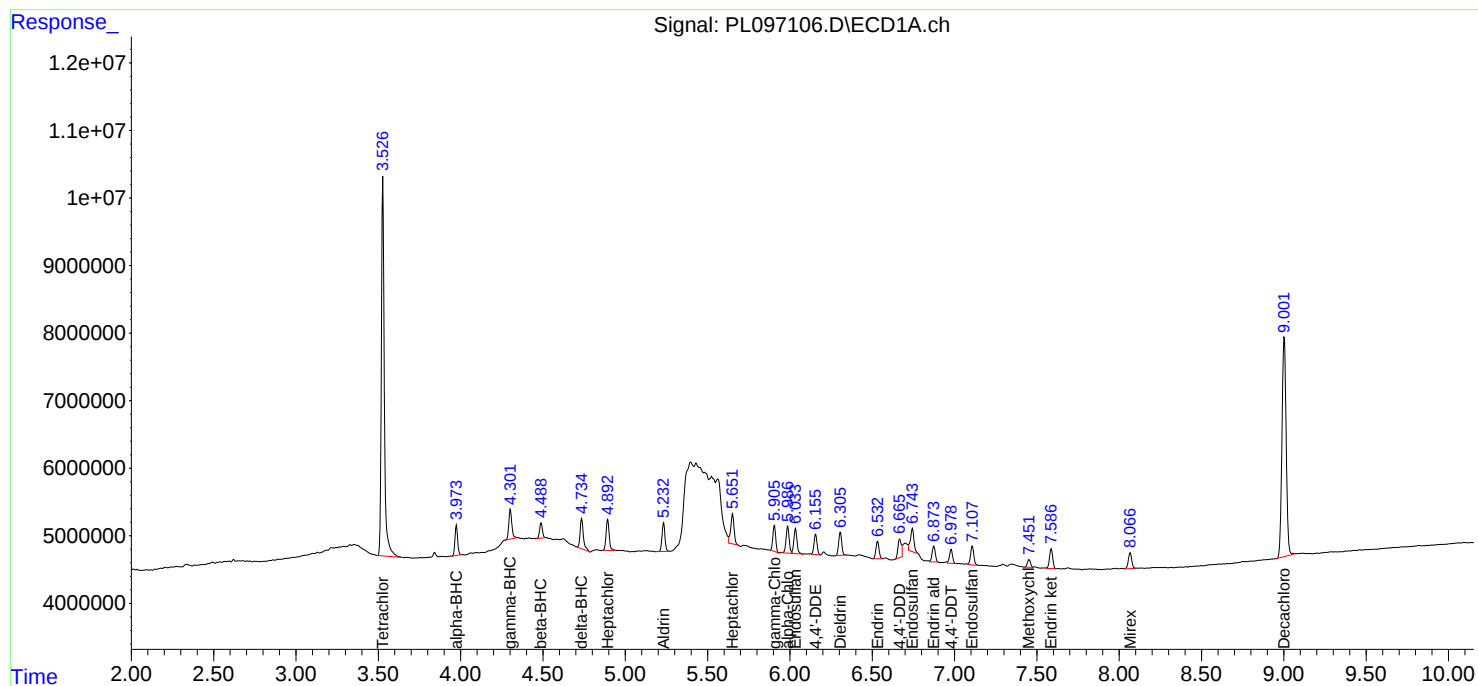
Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

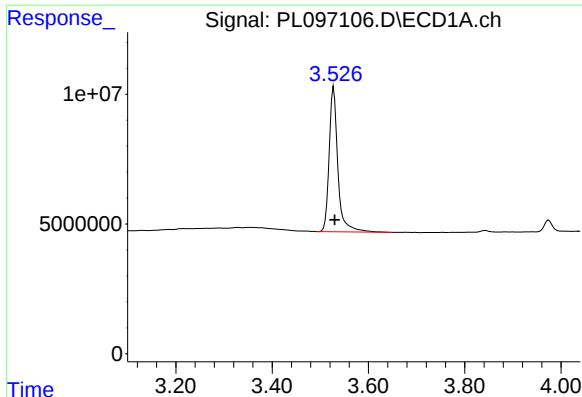
Manual Integrations
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Supervised By :mohammad ahmed 09/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 07:57:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Wed Sep 10 07:56:06 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





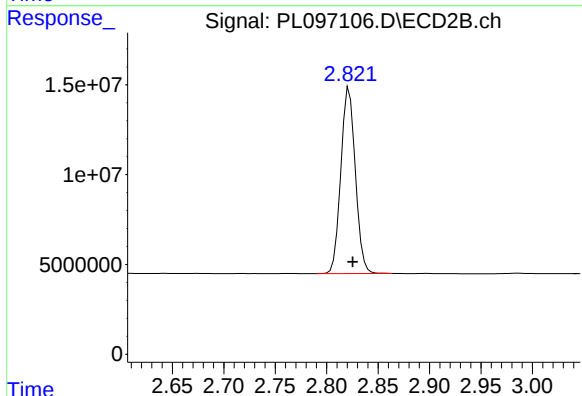
#1 Tetrachloro-m-xylene

R.T.: 3.528 min
Delta R.T.: -0.002 min
Response: 69945591
Conc: 17.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

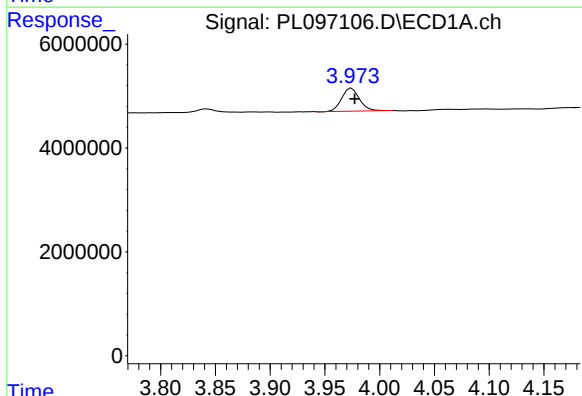
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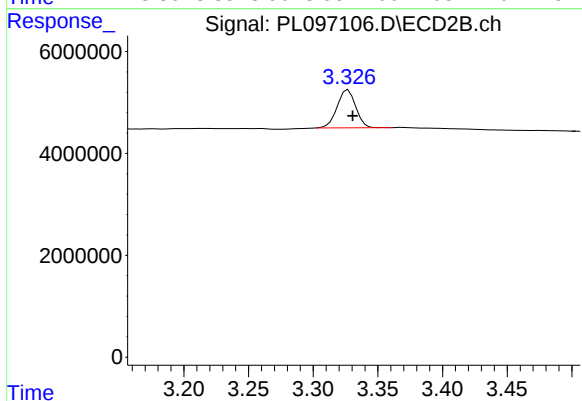
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.003 min
Response: 101491616
Conc: 18.01 ng/ml



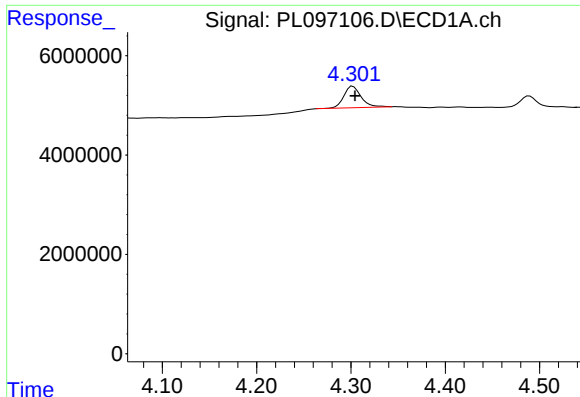
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: -0.003 min
Response: 4964590
Conc: 0.86 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.003 min
Response: 7461992
Conc: 0.91 ng/ml



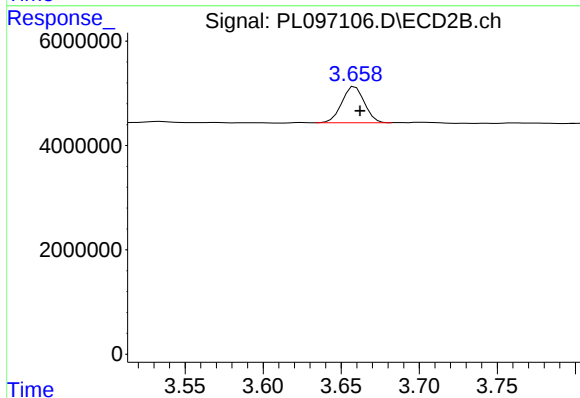
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: -0.002 min
Response: 5513447
Conc: 1.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

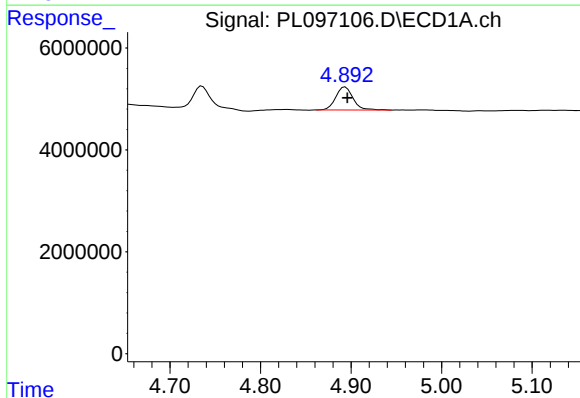
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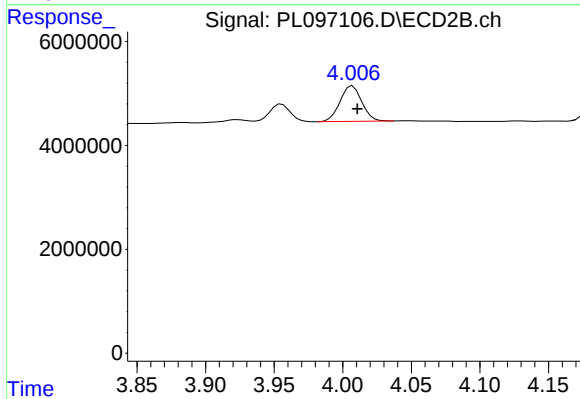
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.003 min
Response: 6983143
Conc: 0.95 ng/ml



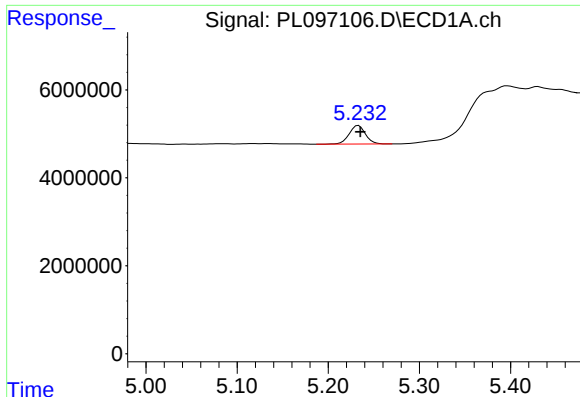
#4 Heptachlor

R.T.: 4.894 min
Delta R.T.: -0.002 min
Response: 5979335
Conc: 1.12 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: -0.003 min
Response: 7557162
Conc: 1.00 ng/ml



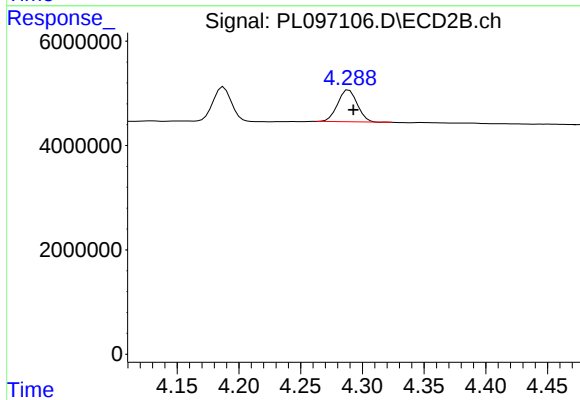
#5 Aldrin

R.T.: 5.233 min
Delta R.T.: -0.002 min
Response: 5246655
Conc: 1.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

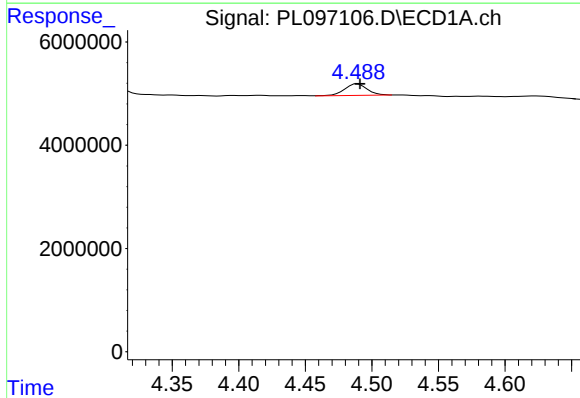
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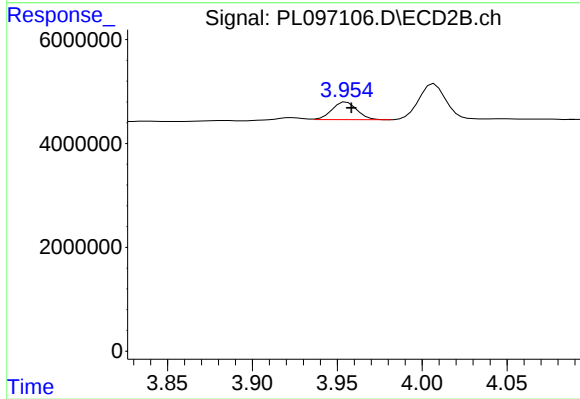
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.004 min
Response: 6730314
Conc: 0.96 ng/ml



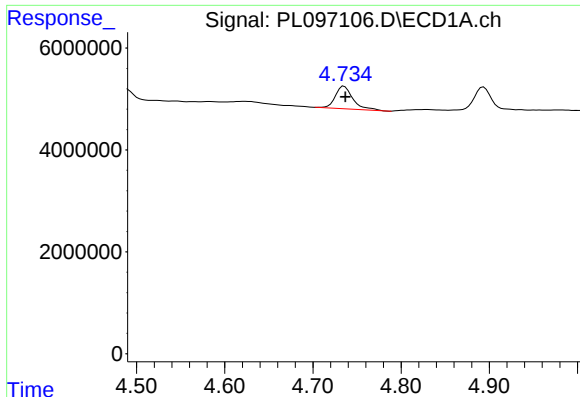
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.003 min
Response: 2678261
Conc: 1.17 ng/ml m



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: -0.004 min
Response: 3417532
Conc: 1.05 ng/ml m



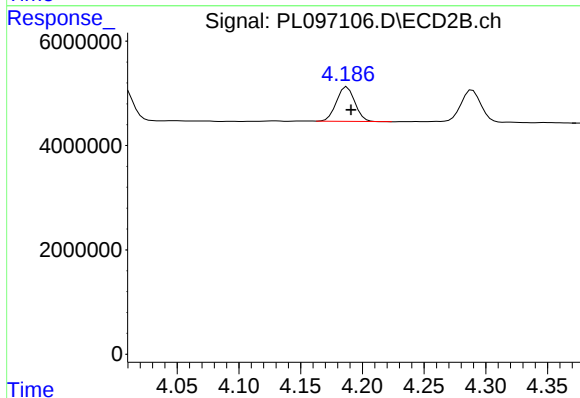
#7 delta-BHC

R.T.: 4.735 min
Delta R.T.: -0.001 min
Response: 6183546
Conc: 1.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

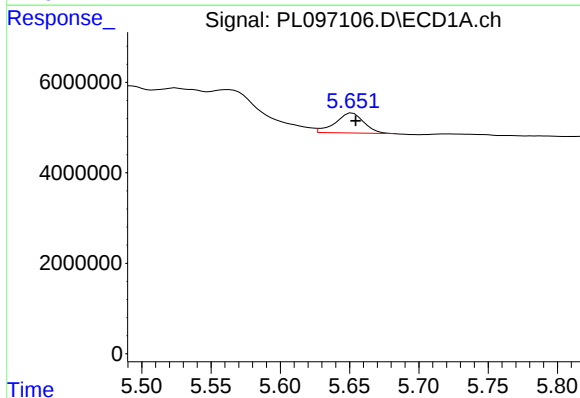
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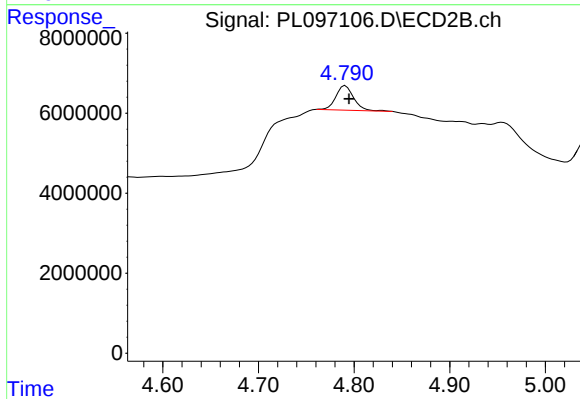
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.003 min
Response: 6879056
Conc: 0.94 ng/ml



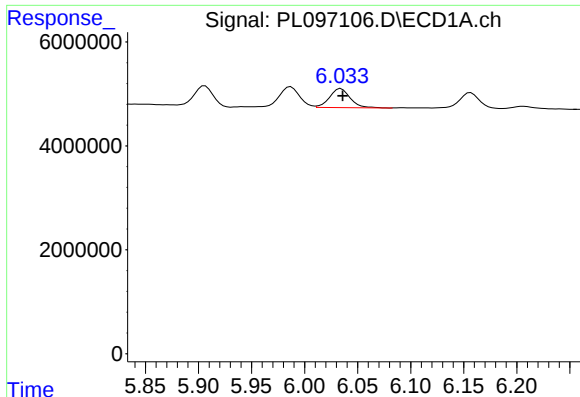
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: -0.004 min
Response: 6312862
Conc: 1.23 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.004 min
Response: 7911023
Conc: 1.25 ng/ml



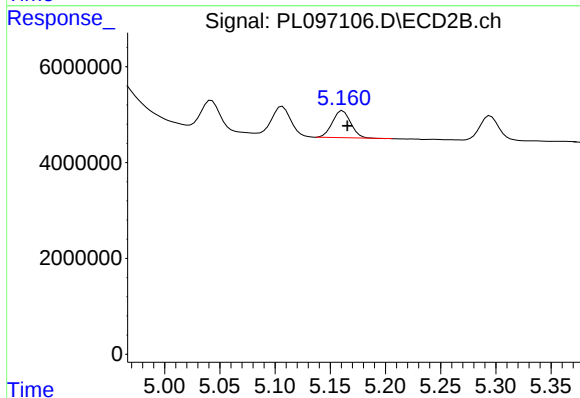
#9 Endosulfan I

R.T.: 6.034 min
Delta R.T.: -0.002 min
Response: 4943056
Conc: 1.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

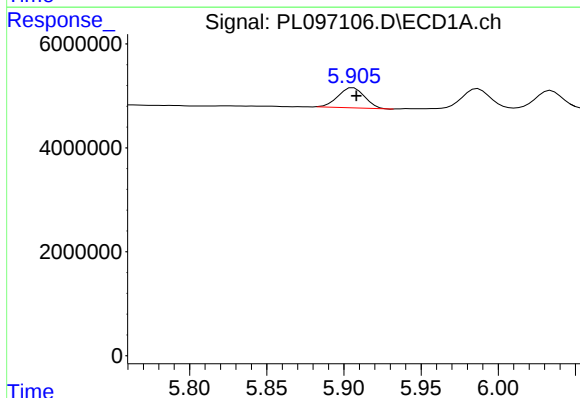
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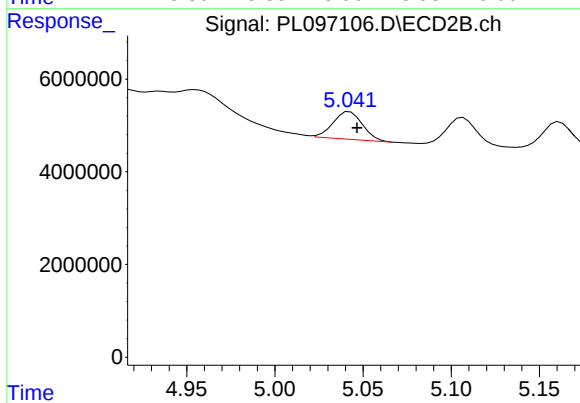
#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: -0.004 min
Response: 6530662
Conc: 1.09 ng/ml



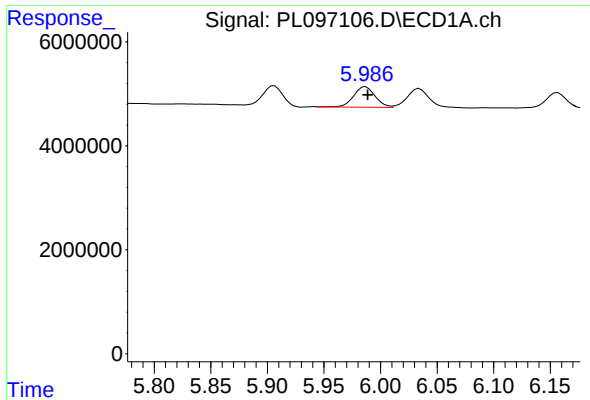
#10 gamma-Chlordane

R.T.: 5.906 min
Delta R.T.: -0.002 min
Response: 4631970
Conc: 1.01 ng/ml



#10 gamma-Chlordane

R.T.: 5.041 min
Delta R.T.: -0.005 min
Response: 6889779
Conc: 1.04 ng/ml m



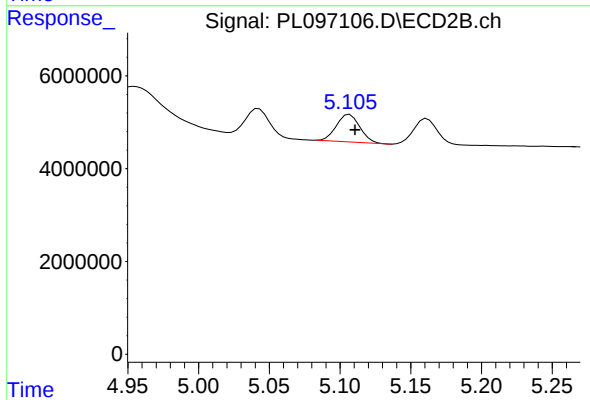
#11 alpha-Chlordane

R.T.: 5.987 min
Delta R.T.: -0.002 min
Response: 5247825
Conc: 1.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

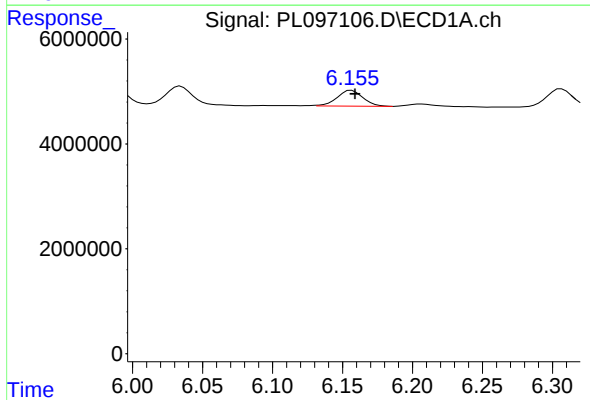
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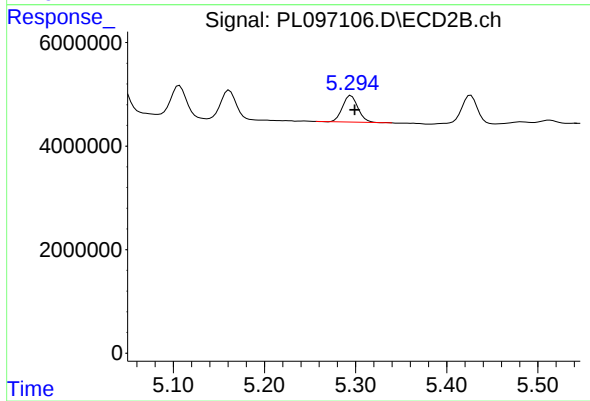
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.004 min
Response: 6907927
Conc: 1.06 ng/ml



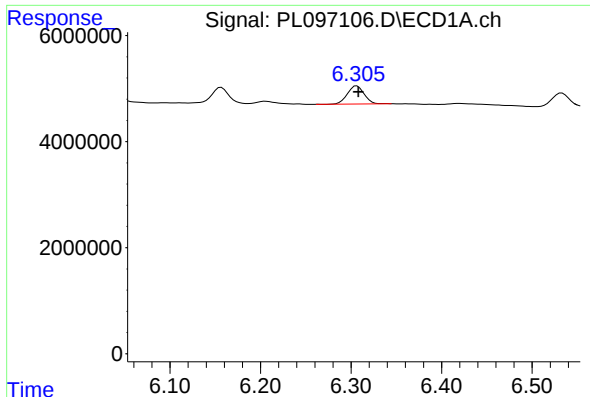
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.004 min
Response: 3832733
Conc: 0.96 ng/ml m



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: -0.004 min
Response: 6061573
Conc: 0.98 ng/ml



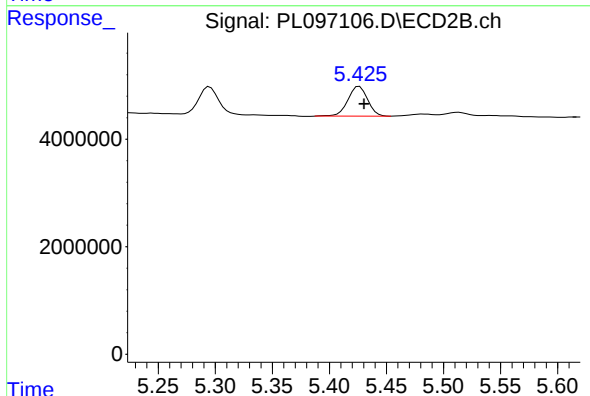
#13 Dieldrin

R.T.: 6.306 min
Delta R.T.: -0.002 min
Response: 4375293
Conc: 0.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

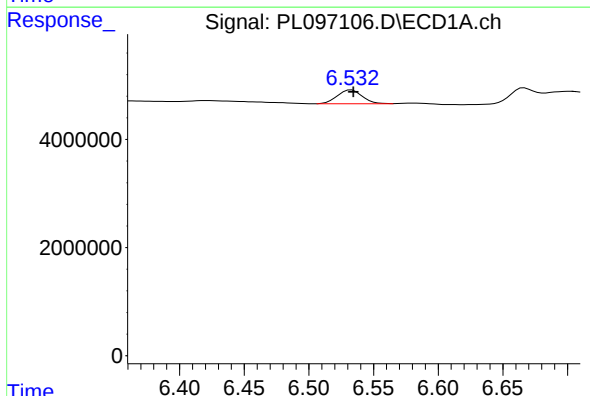
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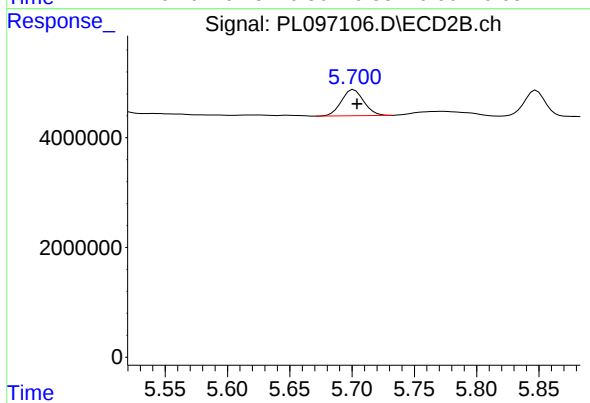
#13 Dieldrin

R.T.: 5.426 min
Delta R.T.: -0.004 min
Response: 6637903
Conc: 1.01 ng/ml



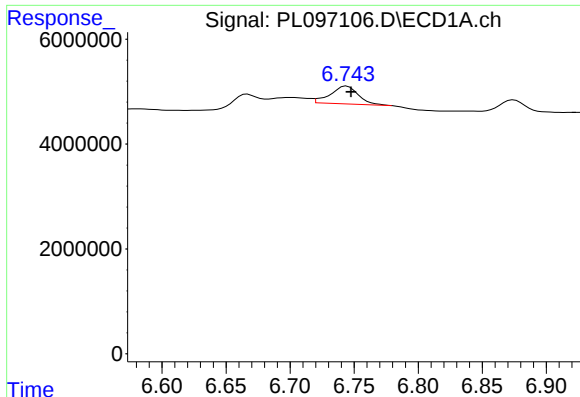
#14 Endrin

R.T.: 6.532 min
Delta R.T.: -0.003 min
Response: 3449029
Conc: 0.92 ng/ml m



#14 Endrin

R.T.: 5.702 min
Delta R.T.: -0.003 min
Response: 5970789
Conc: 1.01 ng/ml



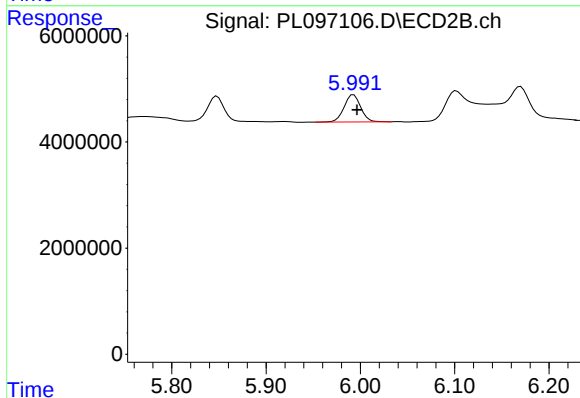
#15 Endosulfan II

R.T.: 6.743 min
Delta R.T.: -0.004 min
Response: 5092166
Conc: 1.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

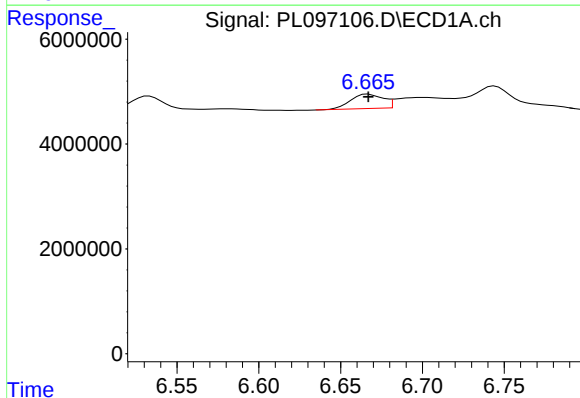
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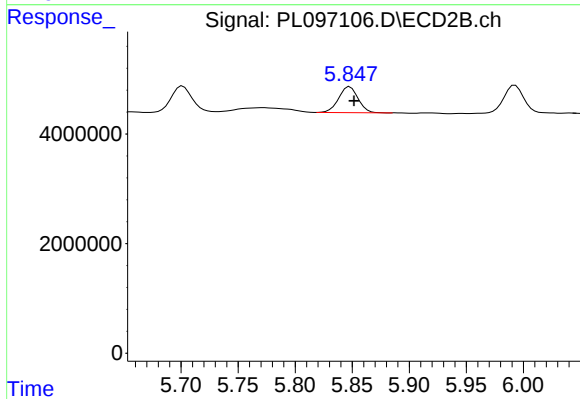
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.003 min
Response: 6300227
Conc: 1.10 ng/ml



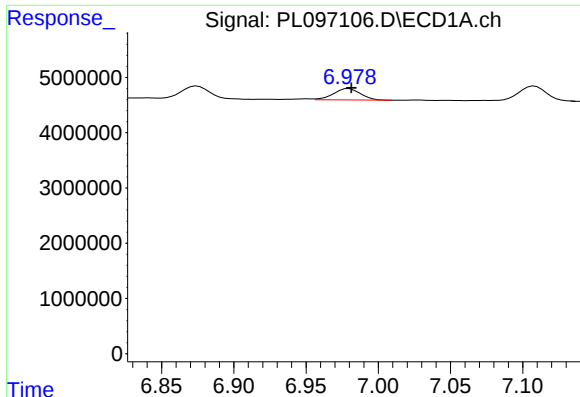
#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: -0.002 min
Response: 3928827
Conc: 1.24 ng/ml m



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.004 min
Response: 5613704
Conc: 1.07 ng/ml



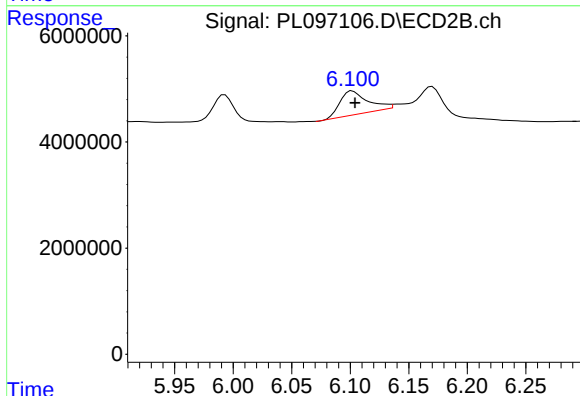
#17 4,4'-DDT

R.T.: 6.978 min
Delta R.T.: -0.003 min
Response: 2642872
Conc: 0.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

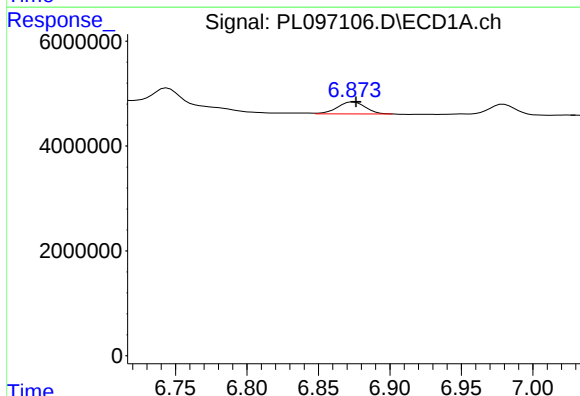
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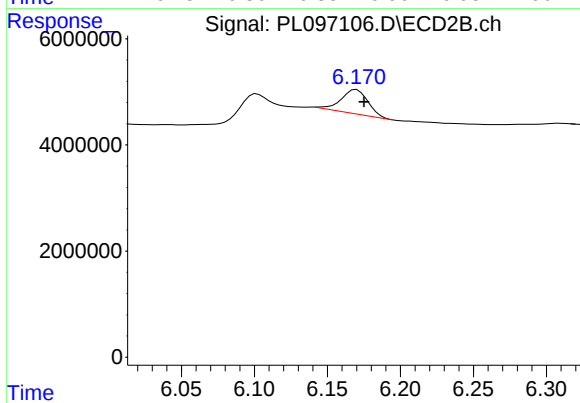
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.004 min
Response: 7532182
Conc: 1.38 ng/ml m



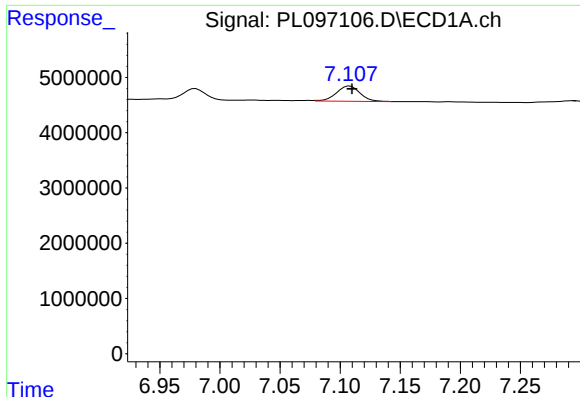
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.003 min
Response: 3109014
Conc: 1.20 ng/ml m



#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: -0.005 min
Response: 5780906
Conc: 1.20 ng/ml m



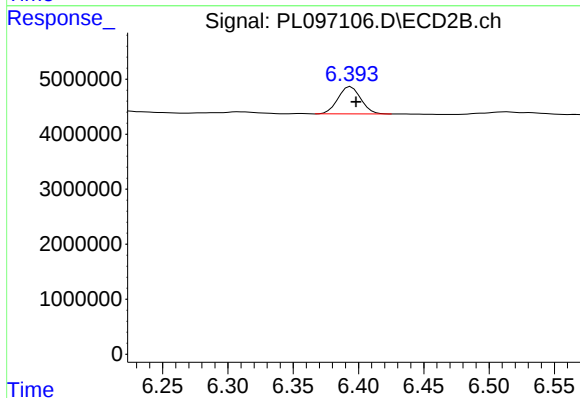
#19 Endosulfan Sulfate

R.T.: 7.107 min
Delta R.T.: -0.003 min
Response: 3792853
Conc: 1.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

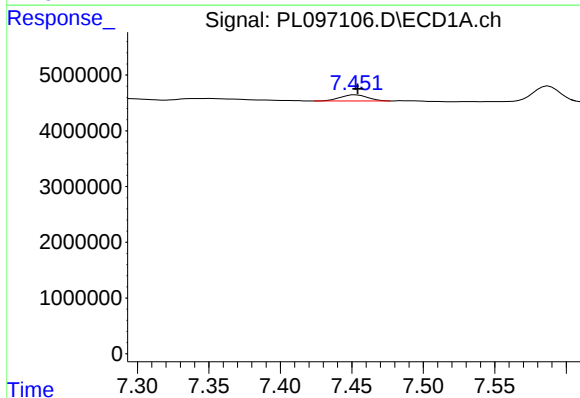
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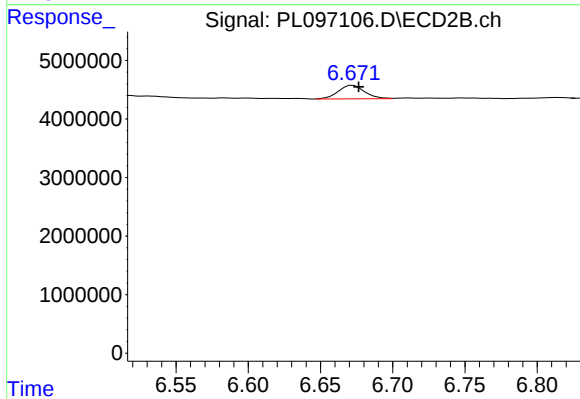
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.004 min
Response: 6013931
Conc: 1.07 ng/ml



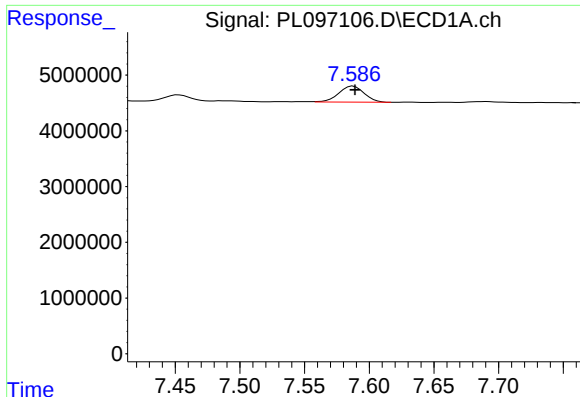
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 1477379
Conc: 0.85 ng/ml m



#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: -0.005 min
Response: 2919314
Conc: 0.97 ng/ml m



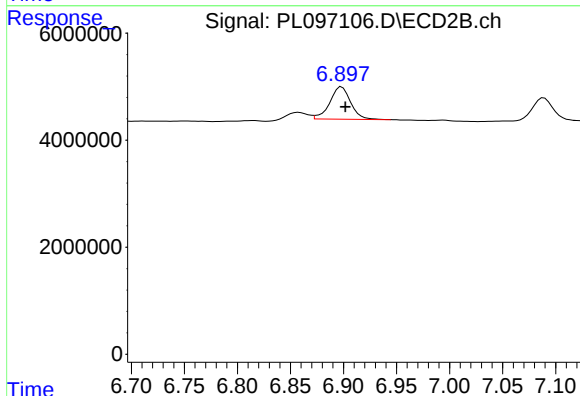
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: -0.003 min
Response: 3924868
Conc: 1.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

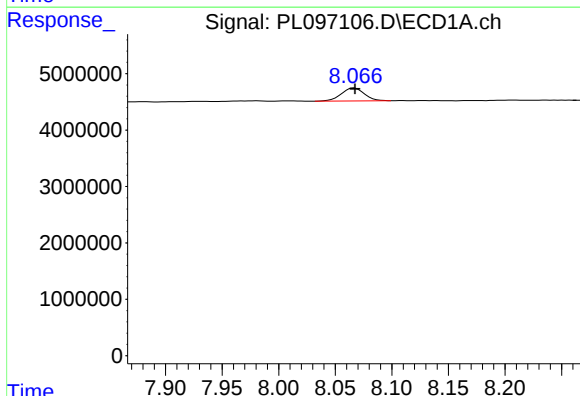
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2025
Supervised By :mohammad ahmed 09/12/2025



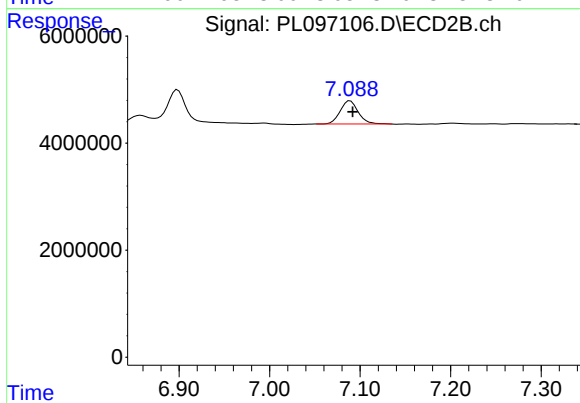
#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: -0.005 min
Response: 8222976
Conc: 1.31 ng/ml m



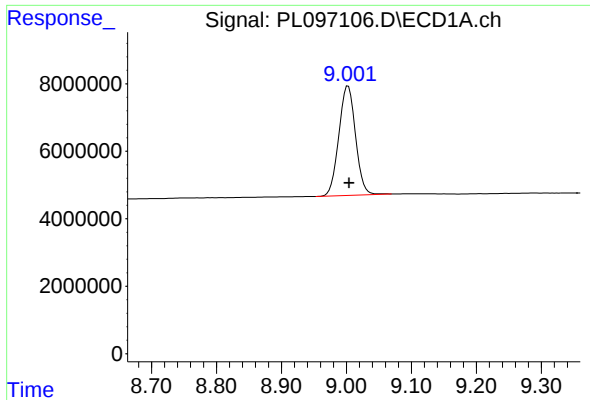
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 3286520
Conc: 1.10 ng/ml m



#22 Mirex

R.T.: 7.089 min
Delta R.T.: -0.003 min
Response: 6044689
Conc: 1.24 ng/ml



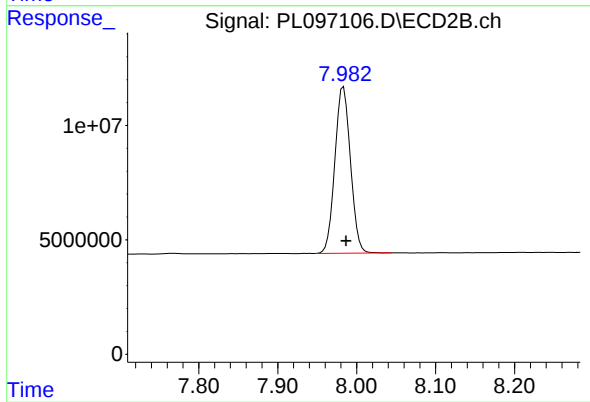
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.001 min
Response: 57864333
Conc: 19.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2025
Supervised By :mohammad ahmed 09/12/2025



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: -0.003 min
Response: 99848872
Conc: 20.82 ng/ml