

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091125\
 Data File : PL097120.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2025 11:42
 Operator : AR\AJ
 Sample : Q2893-01
 Misc : PEST LOD 1PPB
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/11/2025
 Supervised By :mohammad ahmed 09/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 07:09:25 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	2.822	68832292	104.2E6	17.453	18.483
28)	SA Decachlor...	8.998	7.982	56500869	105.3E6	19.084	21.950
Target Compounds							
2)	A alpha-BHC	3.973	3.327	5315492	8079378	0.917	0.984
3)	MA gamma-BHC...	4.301	3.659	5720073	7691354	1.047	1.044
4)	MA Heptachlor	4.892	4.007	6222023	8289847	1.167	1.102
5)	MB Aldrin	5.229	4.289	5775145	7802375	1.099m	1.109
6)	B beta-BHC	4.486	3.954	2590508	3962352	1.133m	1.215m
7)	B delta-BHC	4.732	4.187	5220821	7192317	1.160m	0.979
8)	B Heptachlo...	5.648	4.791	6071870	7125000	1.180m	1.126
9)	A Endosulfan I	6.031	5.162	4766563	6796262	1.109m	1.134
10)	B gamma-Chl...	5.903	5.041	4787821	8265628	1.040m	1.250m
11)	B alpha-Chl...	5.983	5.107	5146581	7232210	1.094m	1.108
12)	B 4,4'-DDE	6.153	5.295	4842710	6685459	1.214m	1.086
13)	MA Dieldrin	6.303	5.426	4253780	7719487	0.937m	1.178 #
14)	MA Endrin	6.530	5.701	4054659	8020540	1.083m	1.358 #
15)	B Endosulfa...	6.740	5.992	7402698	7302454	1.680m	1.277
16)	A 4,4'-DDD	6.662	5.848	3122203	6244536	0.989m	1.196
17)	MA 4,4'-DDT	6.976	6.100	3730898	5817153	1.065m	1.062
18)	B Endrin al...	6.871	6.169	3458234	22877597	1.329m	1.058
19)	B Endosulfa...	7.104	6.394	3779962	6743030	1.101m	1.203
20)	A Methoxychlor	7.448	6.671	1897359	3650321	1.093m	1.217m
21)	B Endrin ke...	7.584	6.896	3794473	8477704	1.067m	1.354m#
22)	Mirex	8.062	7.086	3291659	7123784	1.100m	1.467m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091125\
Data File : PL097120.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2025 11:42
Operator : AR\AJ
Sample : Q2893-01
Misc : PEST LOD 1PPB
ALS Vial : 5 Sample Multiplier: 1

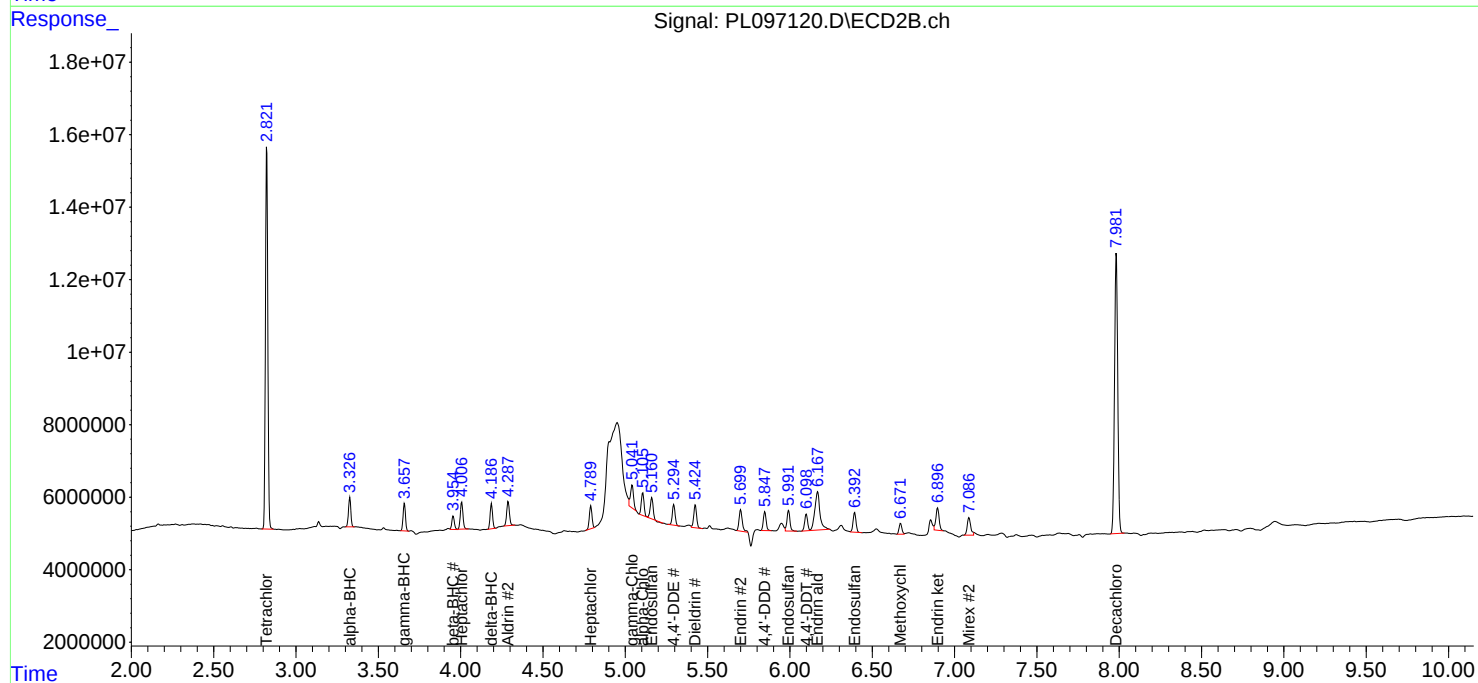
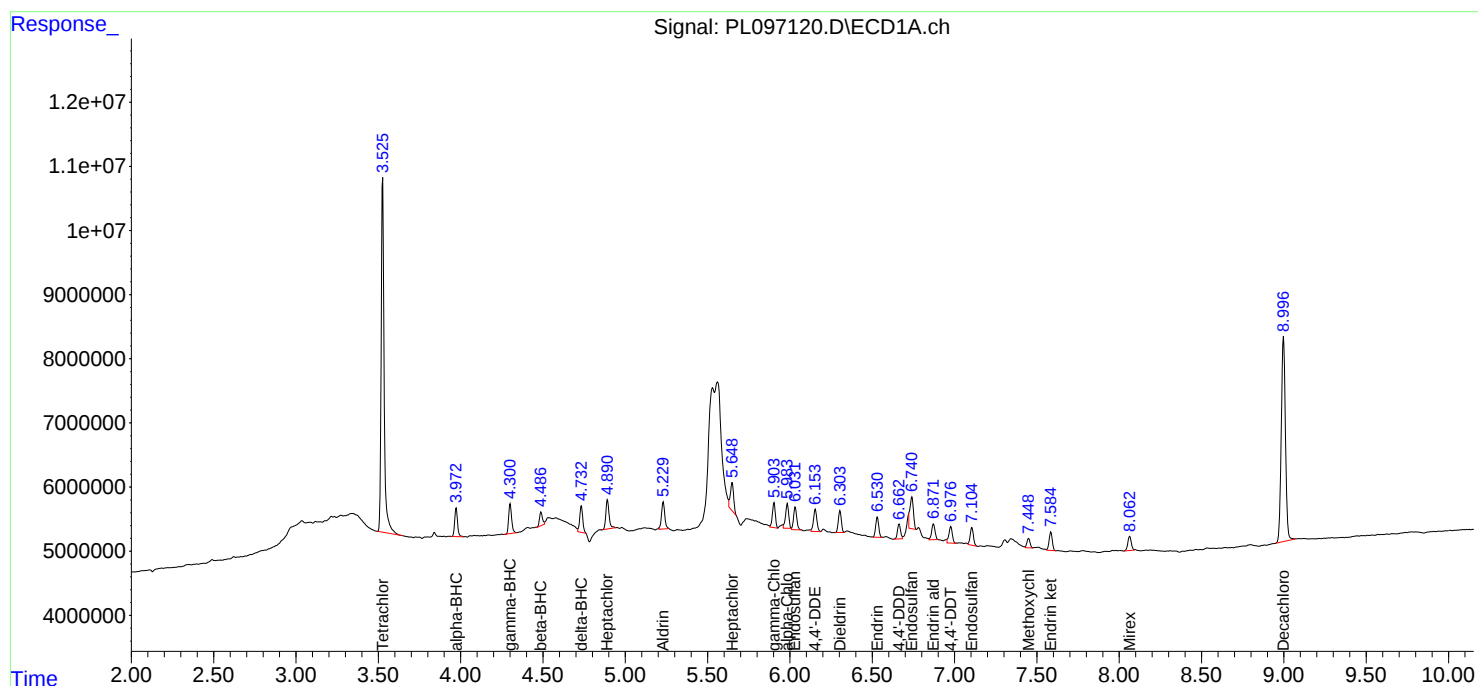
Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

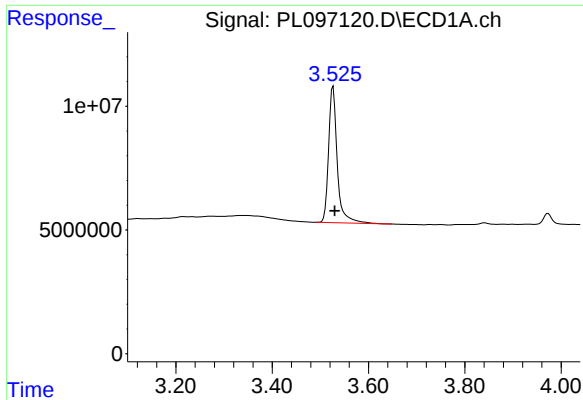
Manual Integrations
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Supervised By :mohammad ahmed 09/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 07:09:25 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





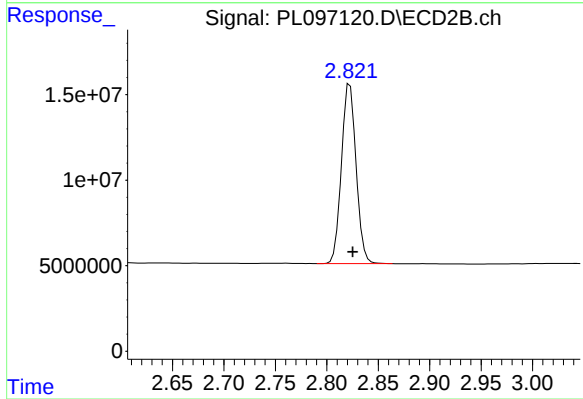
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: -0.003 min
Response: 68832292
Conc: 17.45 ng/ml

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

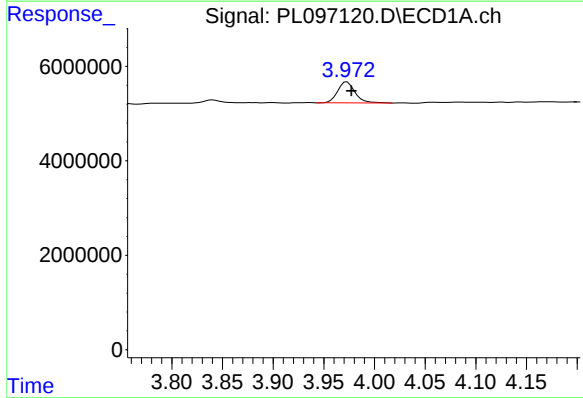
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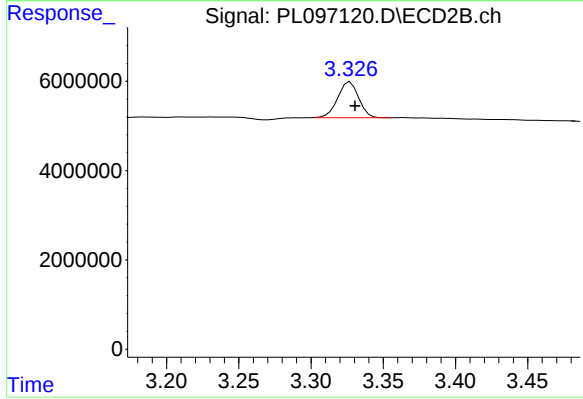
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.003 min
Response: 104181332
Conc: 18.48 ng/ml



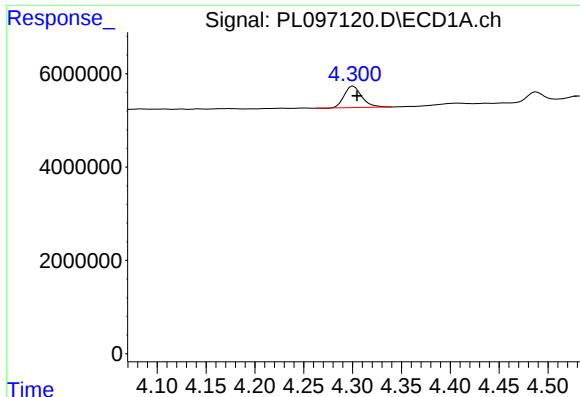
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.004 min
Response: 5315492
Conc: 0.92 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.003 min
Response: 8079378
Conc: 0.98 ng/ml



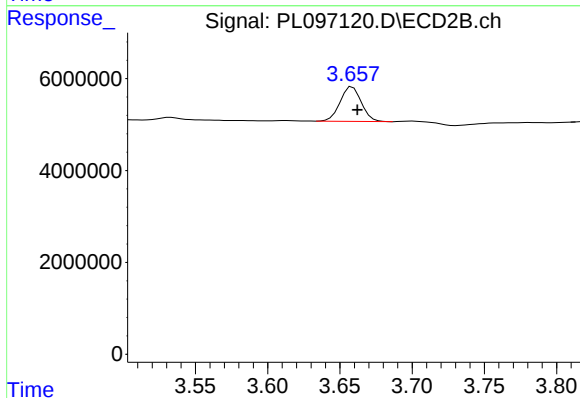
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.004 min
Response: 5720073
Conc: 1.05 ng/ml

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

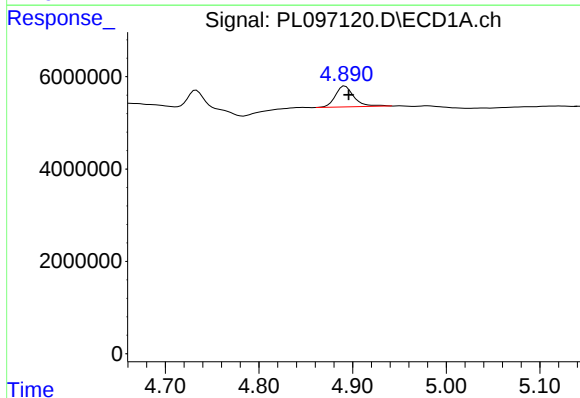
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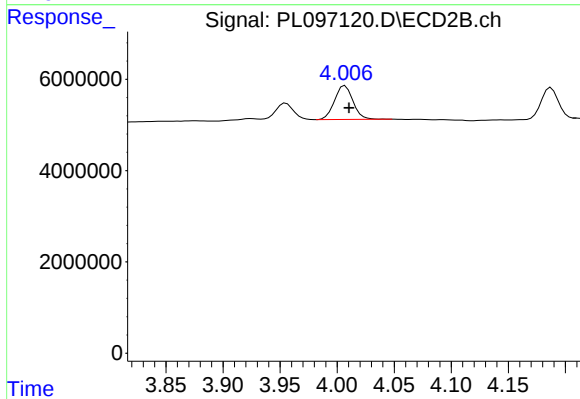
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.003 min
Response: 7691354
Conc: 1.04 ng/ml



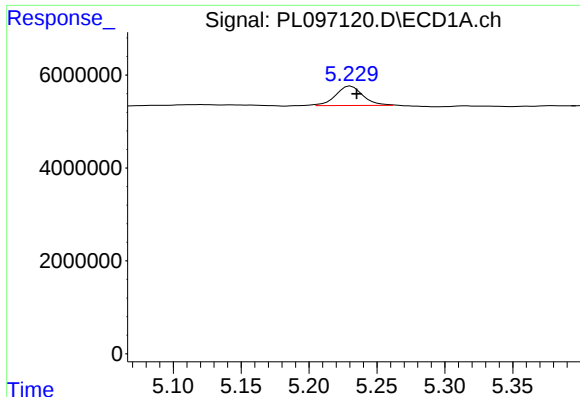
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 6222023
Conc: 1.17 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: -0.004 min
Response: 8289847
Conc: 1.10 ng/ml



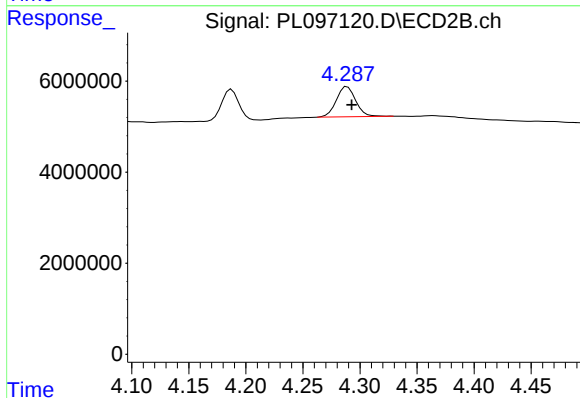
#5 Aldrin

R.T.: 5.229 min
Delta R.T.: -0.006 min
Response: 5775145
Conc: 1.10 ng/ml

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

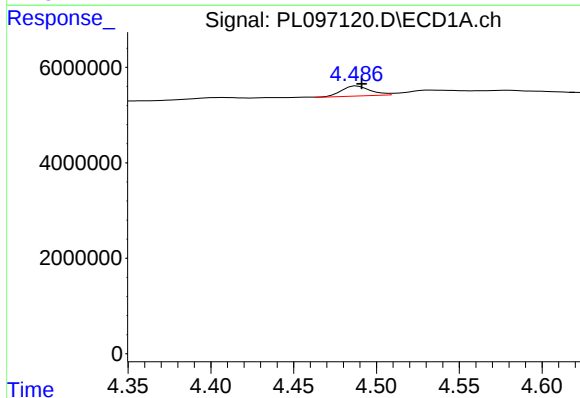
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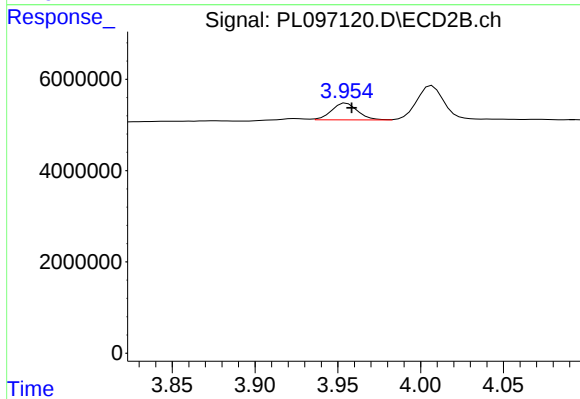
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.004 min
Response: 7802375
Conc: 1.11 ng/ml



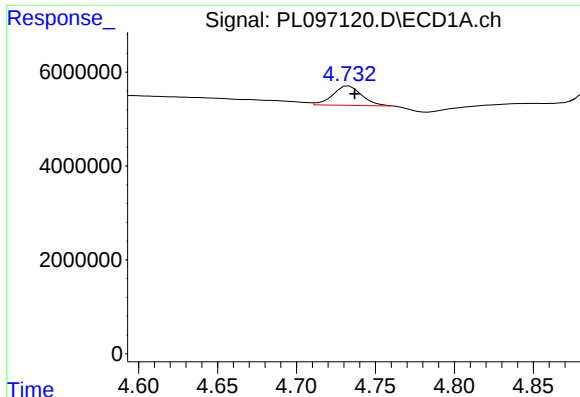
#6 beta-BHC

R.T.: 4.486 min
Delta R.T.: -0.005 min
Response: 2590508
Conc: 1.13 ng/ml m



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: -0.005 min
Response: 3962352
Conc: 1.21 ng/ml m



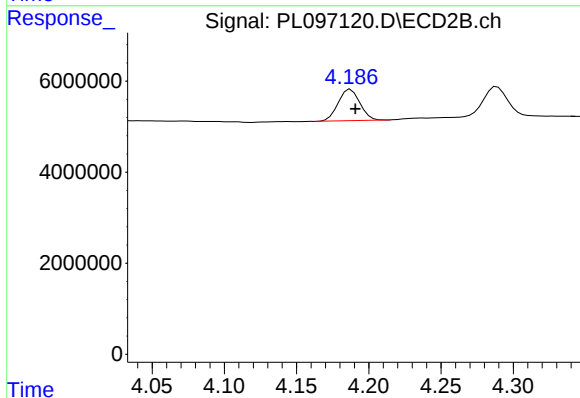
#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: -0.005 min
Response: 5220821
Conc: 1.16 ng/ml

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

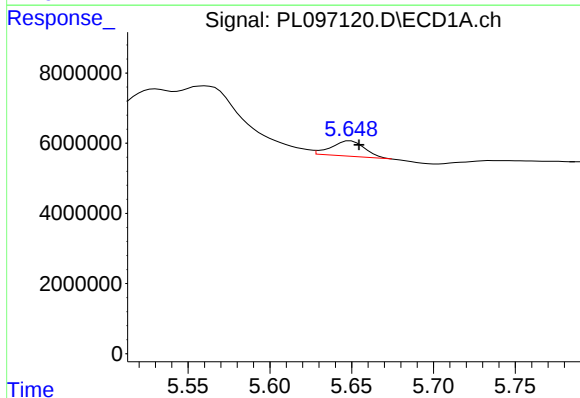
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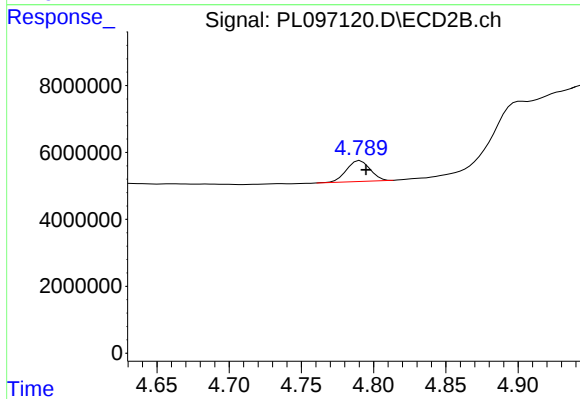
#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: -0.003 min
Response: 7192317
Conc: 0.98 ng/ml



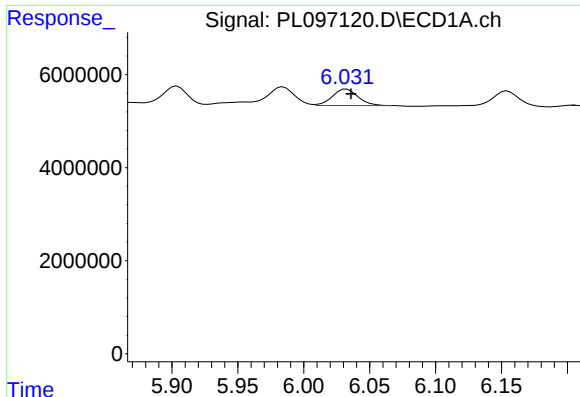
#8 Heptachlor epoxide

R.T.: 5.648 min
Delta R.T.: -0.006 min
Response: 6071870
Conc: 1.18 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.004 min
Response: 7125000
Conc: 1.13 ng/ml



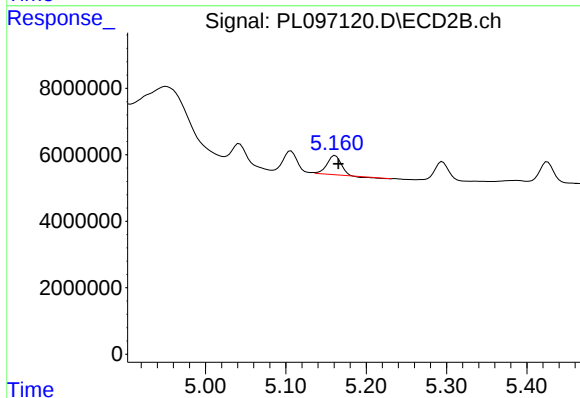
#9 Endosulfan I

R.T.: 6.031 min
Delta R.T.: -0.005 min
Response: 4766563
Conc: 1.11 ng/ml

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

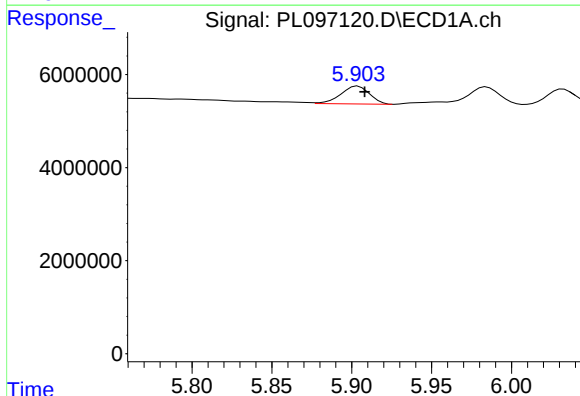
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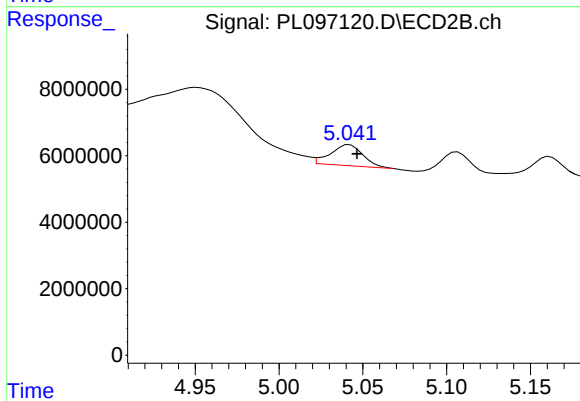
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.004 min
Response: 6796262
Conc: 1.13 ng/ml



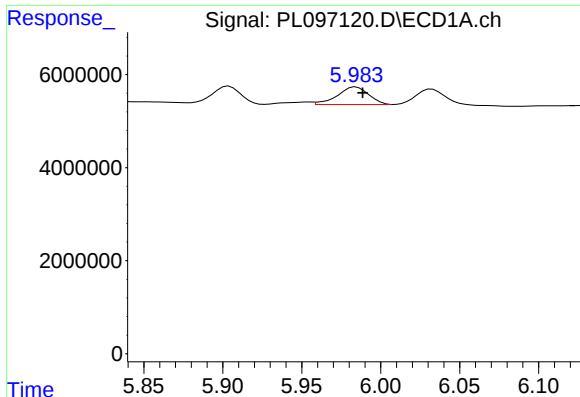
#10 gamma-Chlordane

R.T.: 5.903 min
Delta R.T.: -0.005 min
Response: 4787821
Conc: 1.04 ng/ml m



#10 gamma-Chlordane

R.T.: 5.041 min
Delta R.T.: -0.006 min
Response: 8265628
Conc: 1.25 ng/ml m



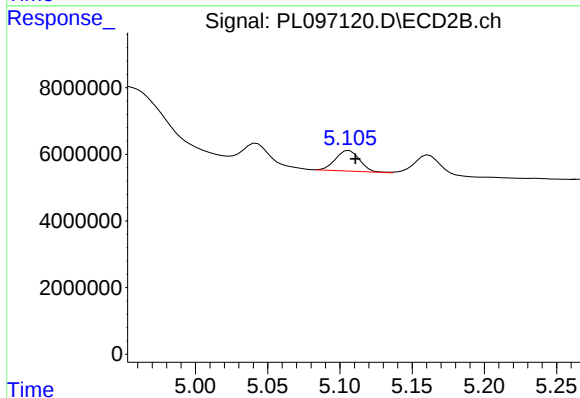
#11 alpha-Chlordane

R.T.: 5.983 min
Delta R.T.: -0.006 min
Response: 5146581
Conc: 1.09 ng/ml

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

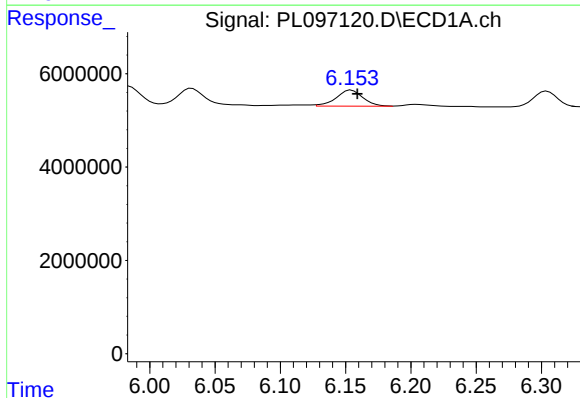
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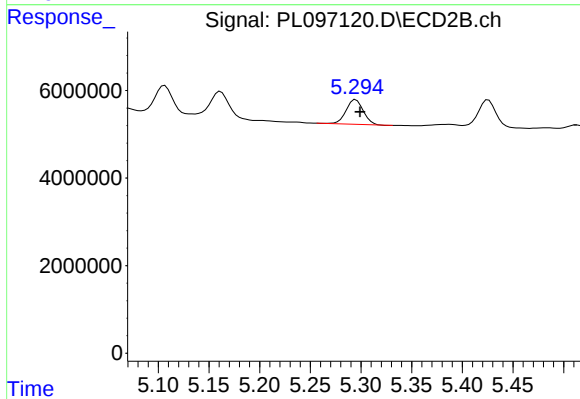
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.004 min
Response: 7232210
Conc: 1.11 ng/ml



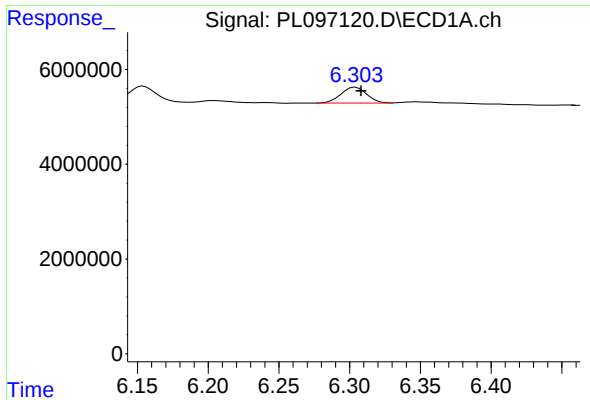
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: -0.006 min
Response: 4842710
Conc: 1.21 ng/ml m



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: -0.004 min
Response: 6685459
Conc: 1.09 ng/ml



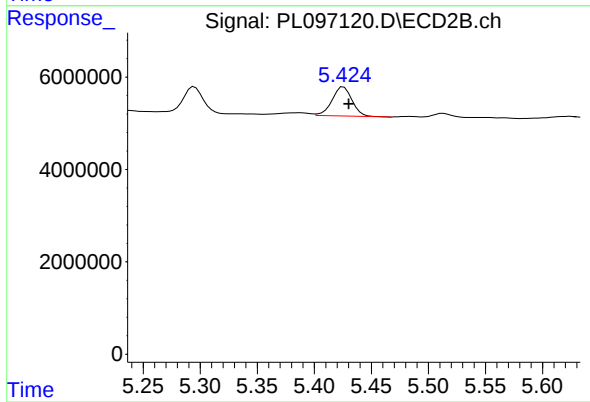
#13 Dieldrin

R.T.: 6.303 min
Delta R.T.: -0.005 min
Response: 4253780
Conc: 0.94 ng/ml

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

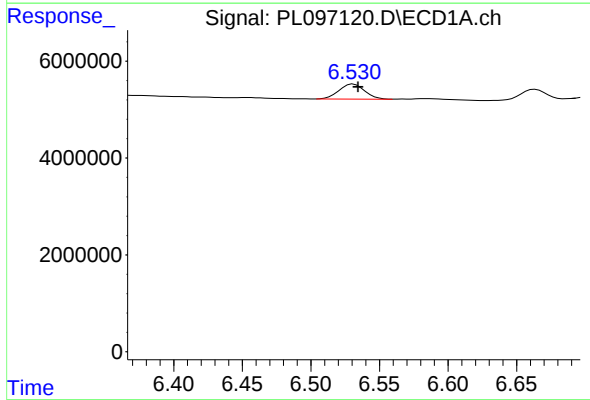
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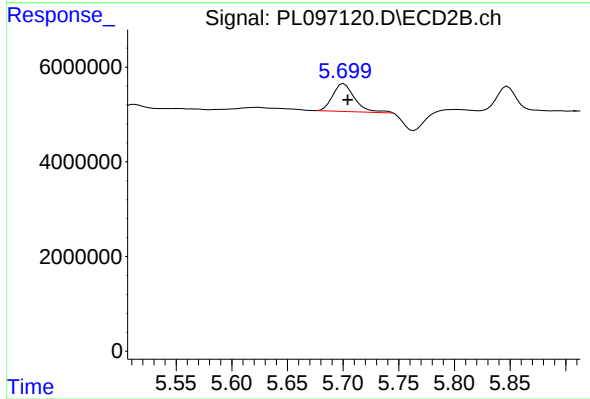
#13 Dieldrin

R.T.: 5.426 min
Delta R.T.: -0.005 min
Response: 7719487
Conc: 1.18 ng/ml



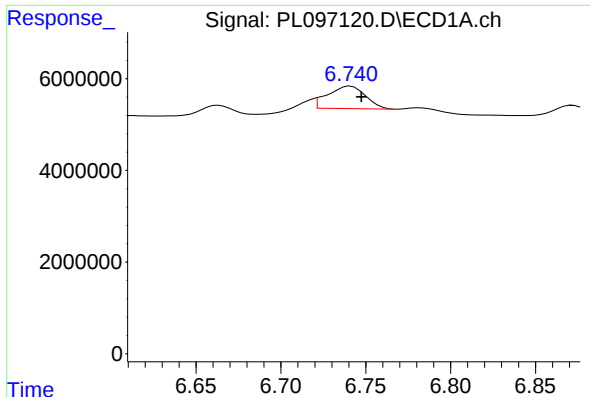
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.005 min
Response: 4054659
Conc: 1.08 ng/ml m



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 8020540
Conc: 1.36 ng/ml



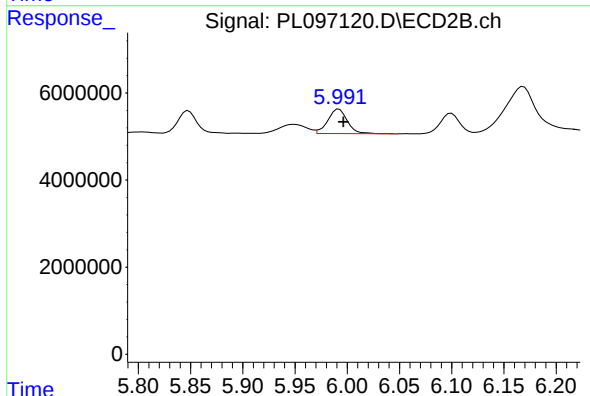
#15 Endosulfan II

R.T.: 6.740 min
Delta R.T.: -0.008 min
Response: 7402698
Conc: 1.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
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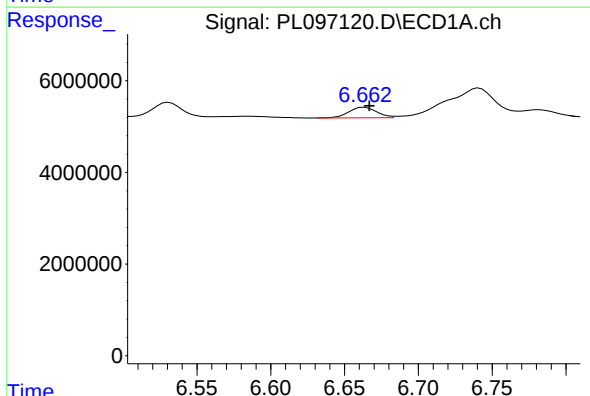


#15 Endosulfan II

R.T.: 5.992 min
Delta R.T.: -0.004 min
Response: 7302454
Conc: 1.28 ng/ml

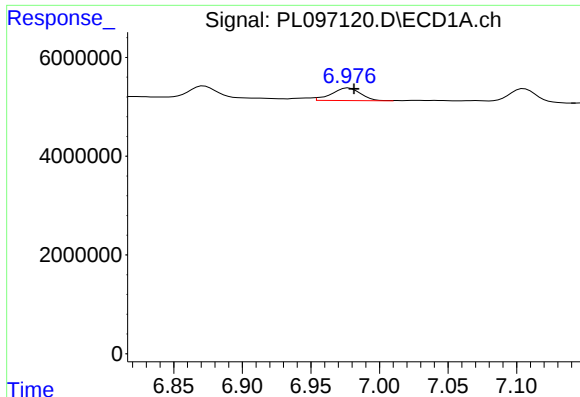
#16 4,4'-DDD

R.T.: 6.662 min
Delta R.T.: -0.005 min
Response: 3122203
Conc: 0.99 ng/ml m



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.004 min
Response: 6244536
Conc: 1.20 ng/ml



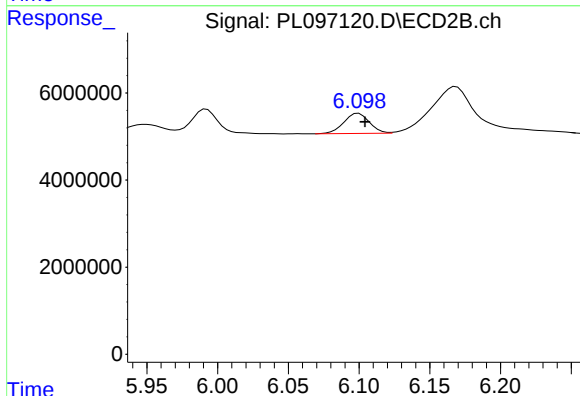
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: -0.005 min
Response: 3730898
Conc: 1.07 ng/ml

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

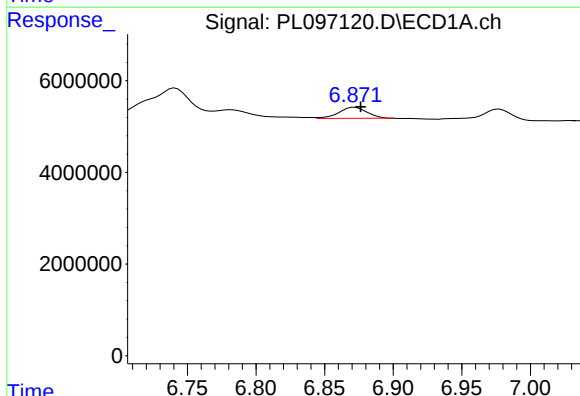
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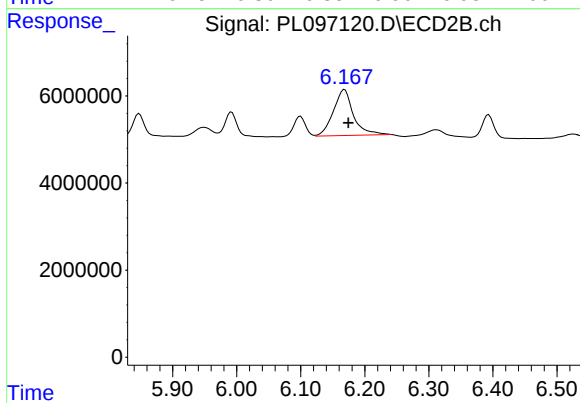
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.005 min
Response: 5817153
Conc: 1.06 ng/ml



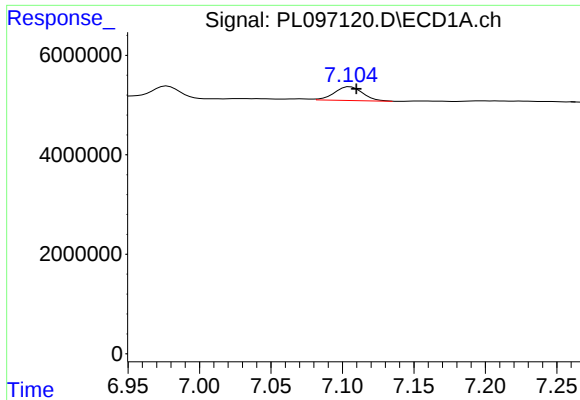
#18 Endrin aldehyde

R.T.: 6.871 min
Delta R.T.: -0.006 min
Response: 3458234
Conc: 1.33 ng/ml m



#18 Endrin aldehyde

R.T.: 6.169 min
Delta R.T.: -0.006 min
Response: 22877597
Conc: 1.06 ng/ml



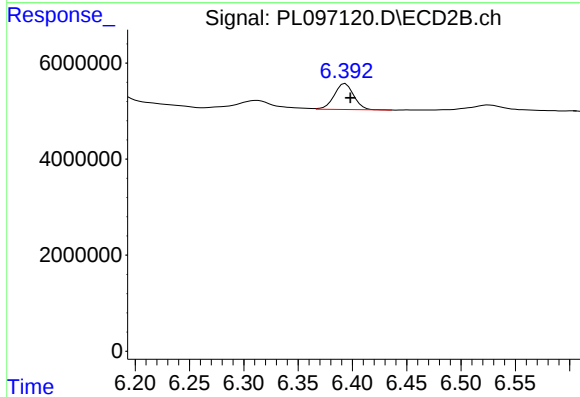
#19 Endosulfan Sulfate

R.T.: 7.104 min
Delta R.T.: -0.006 min
Response: 3779962
Conc: 1.10 ng/ml

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

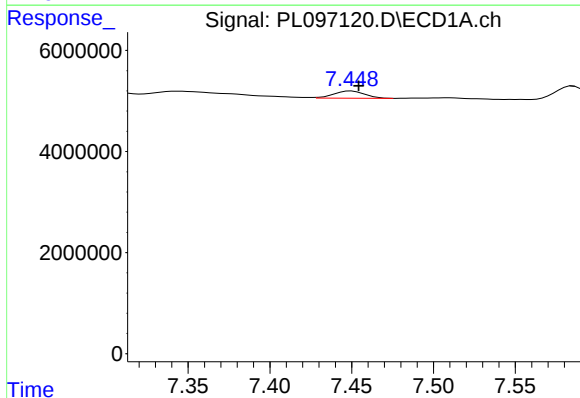
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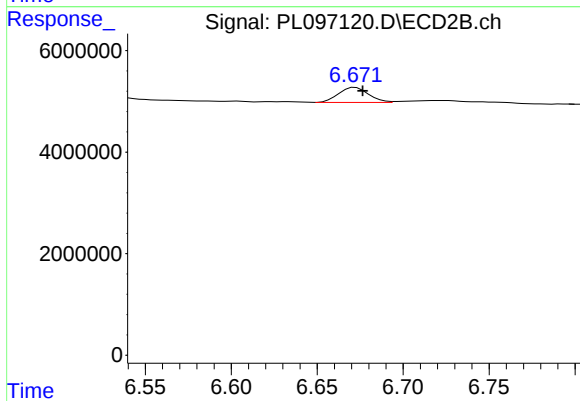
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.005 min
Response: 6743030
Conc: 1.20 ng/ml



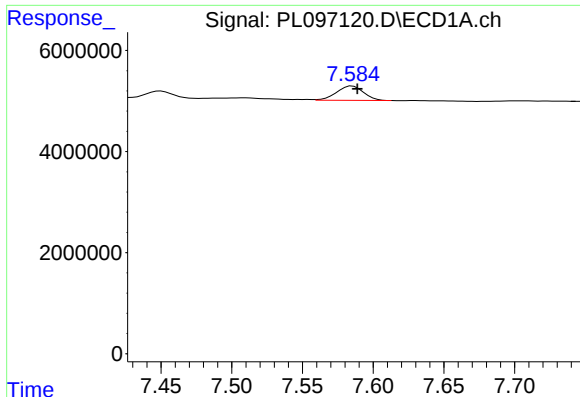
#20 Methoxychlor

R.T.: 7.448 min
Delta R.T.: -0.006 min
Response: 1897359
Conc: 1.09 ng/ml m



#20 Methoxychlor

R.T.: 6.671 min
Delta R.T.: -0.006 min
Response: 3650321
Conc: 1.22 ng/ml m



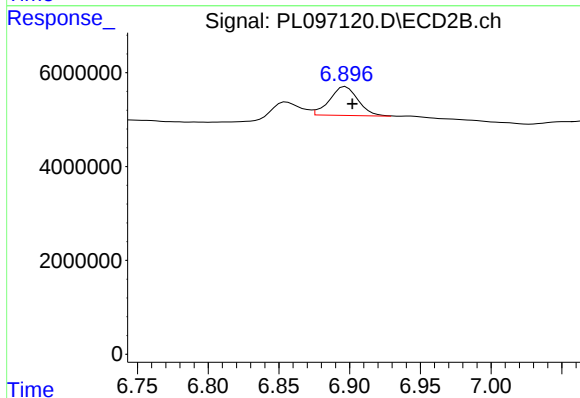
#21 Endrin ketone

R.T.: 7.584 min
Delta R.T.: -0.005 min
Response: 3794473
Conc: 1.07 ng/ml

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

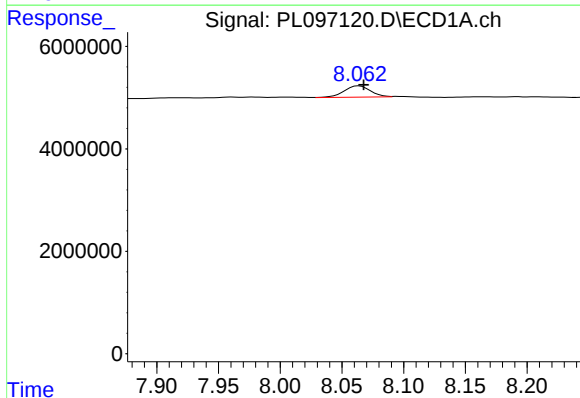
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2025
Supervised By :mohammad ahmed 09/16/2025



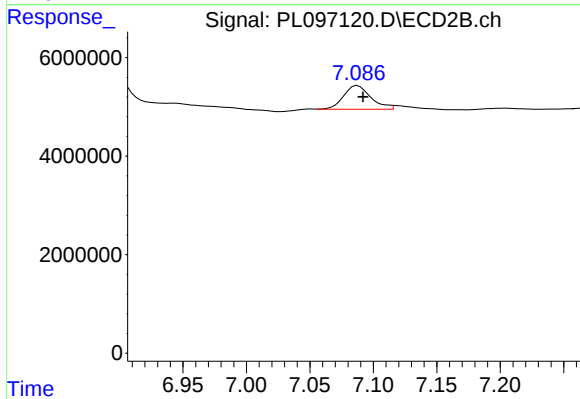
#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: -0.006 min
Response: 8477704
Conc: 1.35 ng/ml m



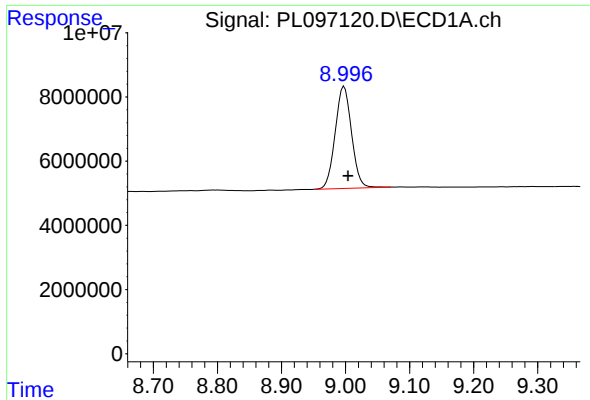
#22 Mirex

R.T.: 8.062 min
Delta R.T.: -0.005 min
Response: 3291659
Conc: 1.10 ng/ml m



#22 Mirex

R.T.: 7.086 min
Delta R.T.: -0.006 min
Response: 7123784
Conc: 1.47 ng/ml m



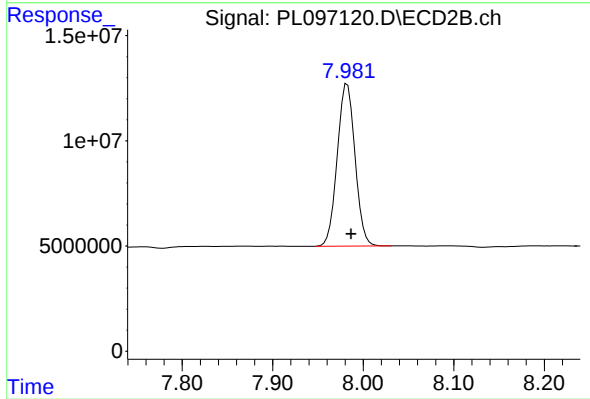
#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.006 min
Response: 56500869
Conc: 19.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.004 min
Response: 105265622
Conc: 21.95 ng/ml