

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101123\
 Data File : PL085842.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Oct 2023 11:36
 Operator : AR\AJ
 Sample : 04699-03
 Misc : PEST MDL 1PPB SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MDL-SOIL-03-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/12/2023
 Supervised By :Ankita Jodhani 10/12/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 21:45:04 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100323.M
 Quant Title : GC Extractables
 QLast Update : Wed Oct 04 05:29:39 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.357	2.622	56999518	17296201	19.165	18.516
28)	SA Decachlor...	8.858	7.774	54224870	23928696	24.896	25.925
Target Compounds							
2)	A alpha-BHC	3.810	3.120	4086405	1070367	0.952	0.851
3)	MA gamma-BHC...	4.141	3.447	4049117	1330127	0.980	1.078
4)	MA Heptachlor	4.727	3.782	4706600	1136486	1.217m	0.977m
5)	MB Aldrin	5.068	4.059	4108122	1140332	1.060	1.020m
6)	B beta-BHC	4.346	3.748	1979153	603748	1.197	1.160m
7)	B delta-BHC	4.586	3.974	4522257	991257	1.179m	0.863 #
8)	B Heptachlo...	5.496	4.565	3365721	1206990	0.976m	1.202
9)	A Endosulfan I	5.881	4.931	3958046	1216662	1.224m	1.134m
10)	B gamma-Chl...	5.755	4.815	4213099	1516152	1.231	1.531m
11)	B alpha-Chl...	5.834	4.879	4306698	1285830	1.260	1.179m
12)	B 4,4'-DDE	6.018	5.078	3738904	920282	1.337	1.121m
13)	MA Dieldrin	6.159	5.198	3690059	1115236	1.123	1.149
14)	MA Endrin	6.388	5.472	3703920	1035709	1.300	1.152
15)	B Endosulfa...	6.611	5.770	5639371	1140194	2.047	1.199 #
16)	A 4,4'-DDD	6.538	5.634	2493590	754234	1.238	1.084m
17)	MA 4,4'-DDT	6.851	5.886	3011699	833373	1.278m	1.054
18)	B Endrin al...	6.742	5.952	2659130	2015176	1.312	2.702 #
19)	B Endosulfa...	6.978	6.176	3564796	1134140	1.420	1.257
20)	A Methoxychlor	7.338	6.471	3277848	647334	2.347m	1.230 #
21)	B Endrin ke...	7.459	6.678	2877734	1649943	0.999	1.435 #
22)	Mirex	7.932	6.855	2821199	1406548	1.274	1.491

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101123\
Data File : PL085842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Oct 2023 11:36
Operator : AR\AJ
Sample : 04699-03
Misc : PEST MDL 1PPB SOIL
ALS Vial : 8 Sample Multiplier: 1

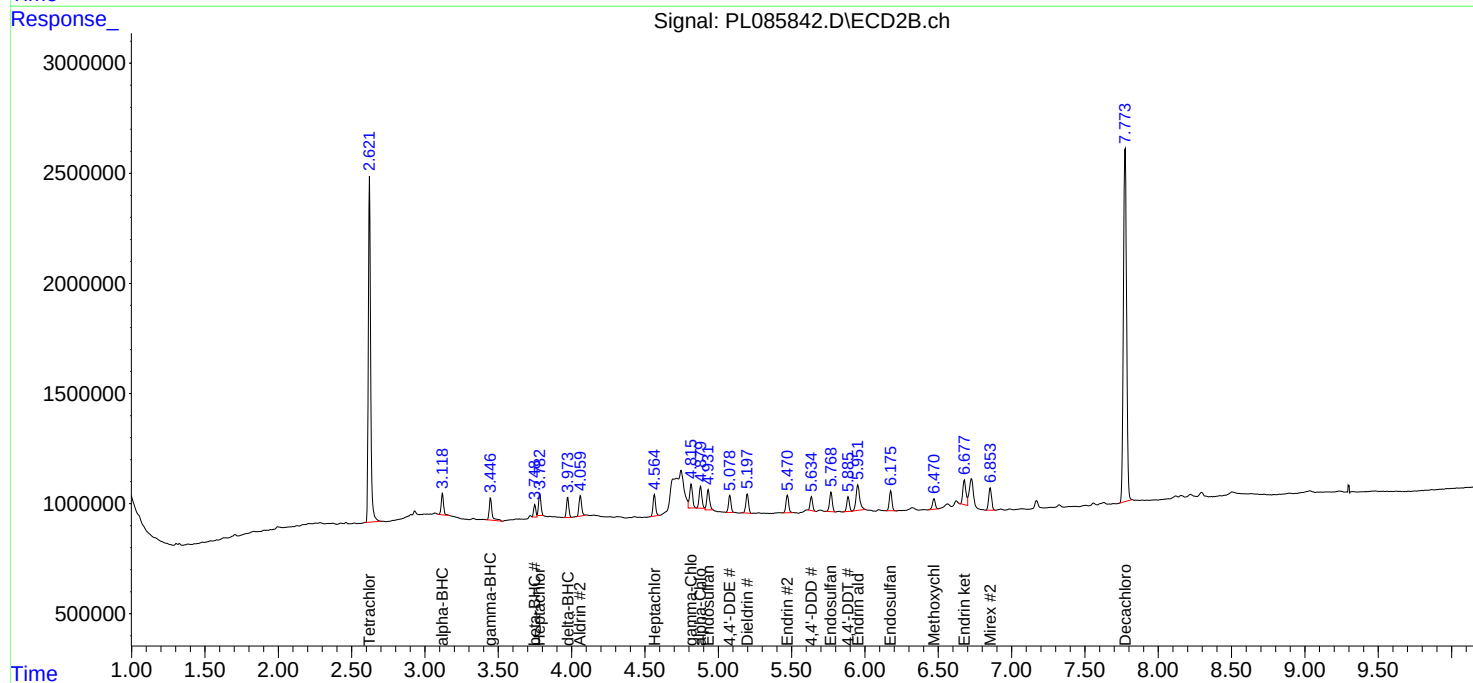
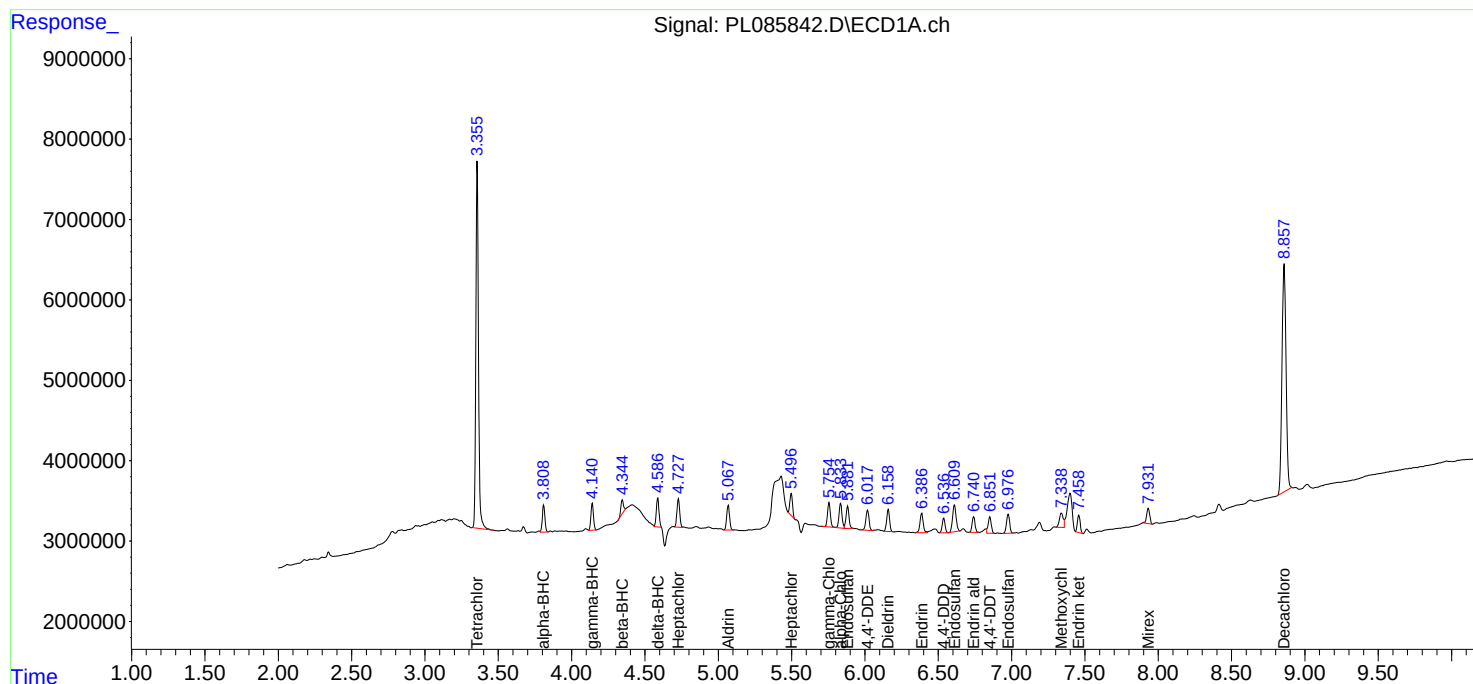
Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

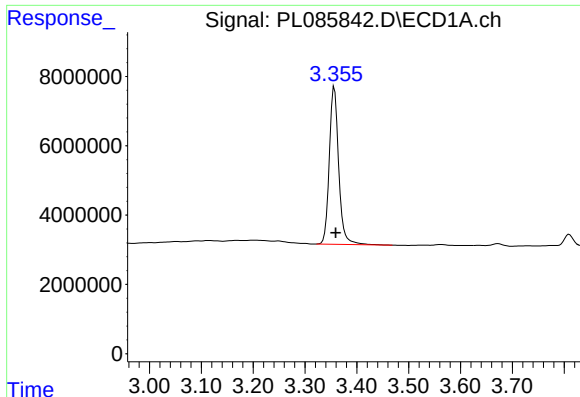
Manual Integrations
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Supervised By : Ankita Jodhani 10/12/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 21:45:04 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100323.M
Quant Title : GC Extractables
QLast Update : Wed Oct 04 05:29:39 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
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Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





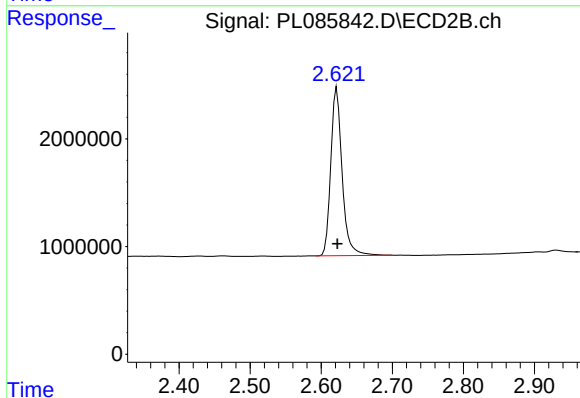
#1 Tetrachloro-m-xylene

R.T.: 3.357 min
Delta R.T.: -0.002 min
Response: 56999518
Conc: 19.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

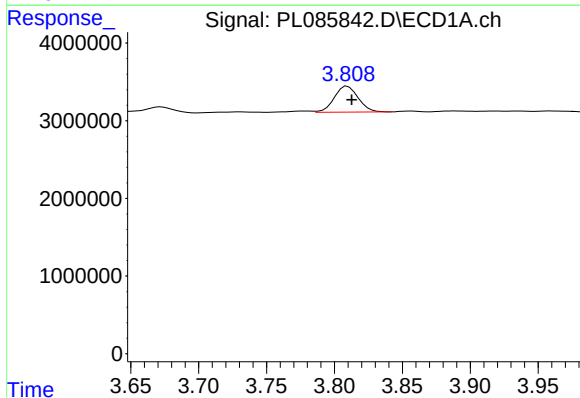
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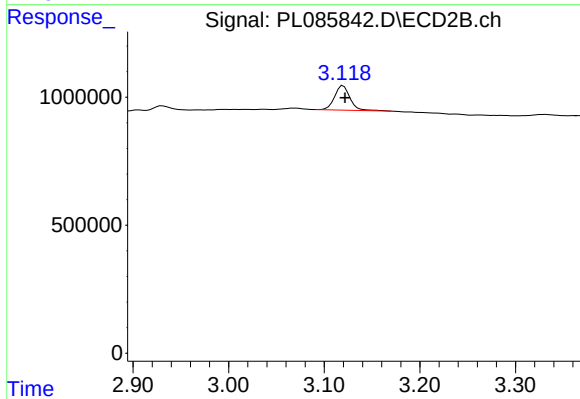
#1 Tetrachloro-m-xylene

R.T.: 2.622 min
Delta R.T.: 0.000 min
Response: 17296201
Conc: 18.52 ng/ml



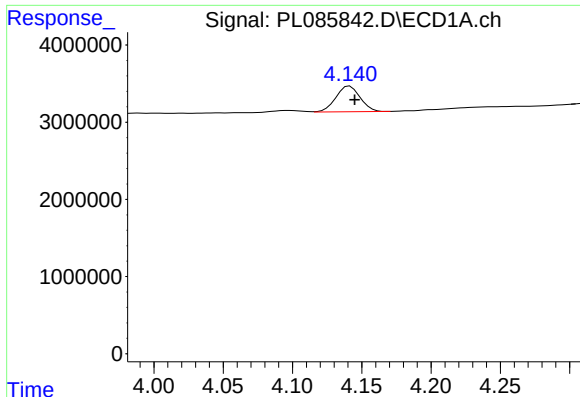
#2 alpha-BHC

R.T.: 3.810 min
Delta R.T.: -0.003 min
Response: 4086405
Conc: 0.95 ng/ml



#2 alpha-BHC

R.T.: 3.120 min
Delta R.T.: -0.002 min
Response: 1070367
Conc: 0.85 ng/ml



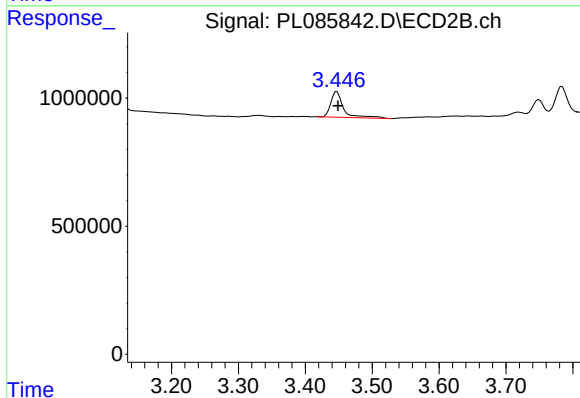
#3 gamma-BHC (Lindane)

R.T.: 4.141 min
Delta R.T.: -0.004 min
Response: 4049117
Conc: 0.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

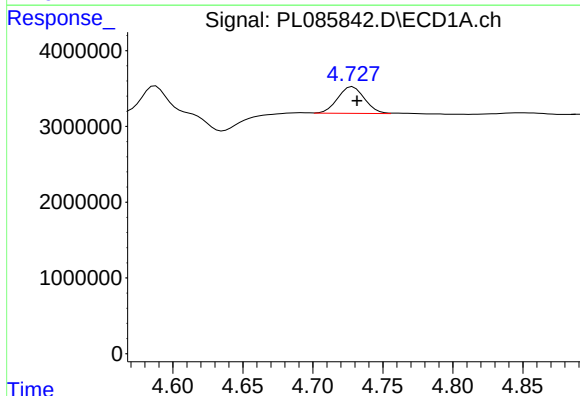
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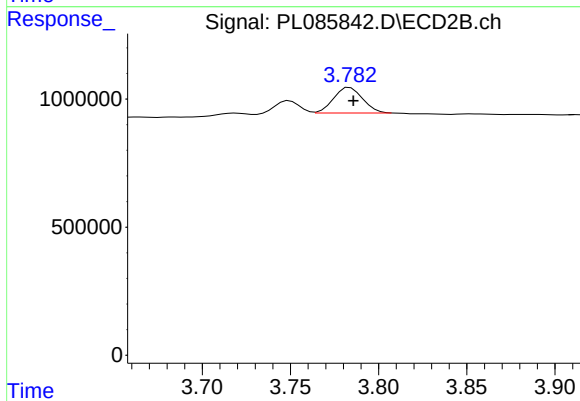
#3 gamma-BHC (Lindane)

R.T.: 3.447 min
Delta R.T.: -0.002 min
Response: 1330127
Conc: 1.08 ng/ml



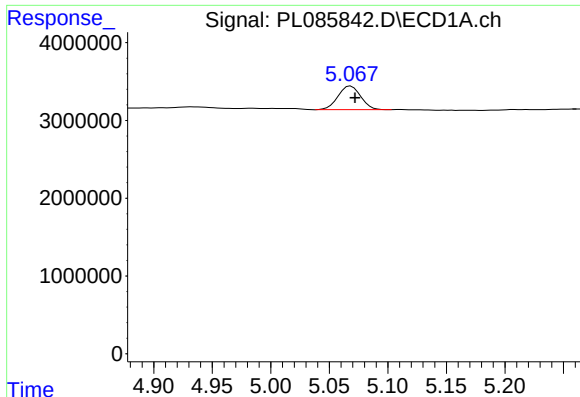
#4 Heptachlor

R.T.: 4.727 min
Delta R.T.: -0.004 min
Response: 4706600
Conc: 1.22 ng/ml m



#4 Heptachlor

R.T.: 3.782 min
Delta R.T.: -0.003 min
Response: 1136486
Conc: 0.98 ng/ml m



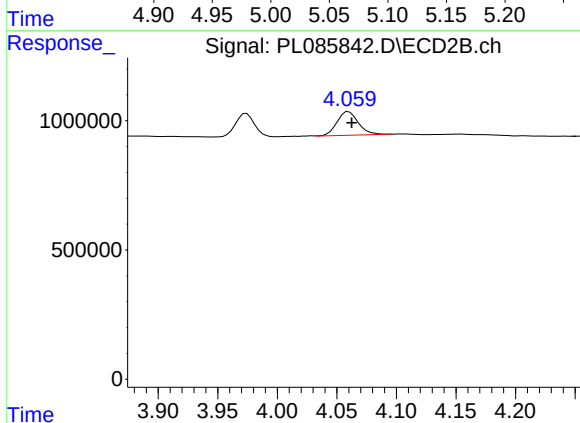
#5 Aldrin

R.T.: 5.068 min
Delta R.T.: -0.004 min
Response: 4108122
Conc: 1.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

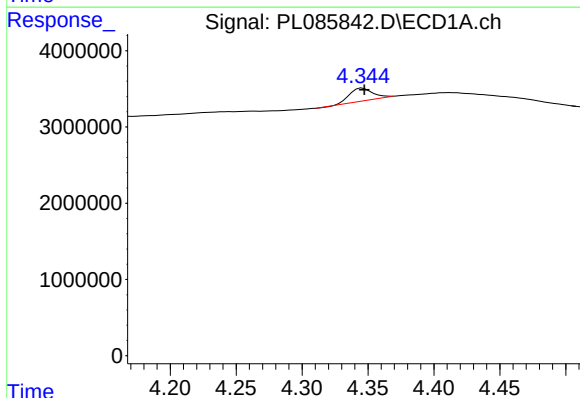
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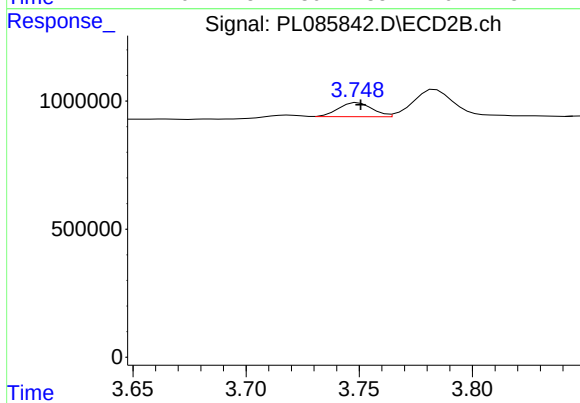
#5 Aldrin

R.T.: 4.059 min
Delta R.T.: -0.004 min
Response: 1140332
Conc: 1.02 ng/ml m



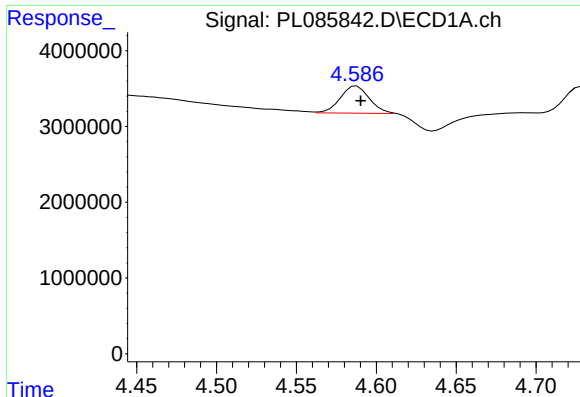
#6 beta-BHC

R.T.: 4.346 min
Delta R.T.: -0.001 min
Response: 1979153
Conc: 1.20 ng/ml



#6 beta-BHC

R.T.: 3.748 min
Delta R.T.: -0.003 min
Response: 603748
Conc: 1.16 ng/ml m



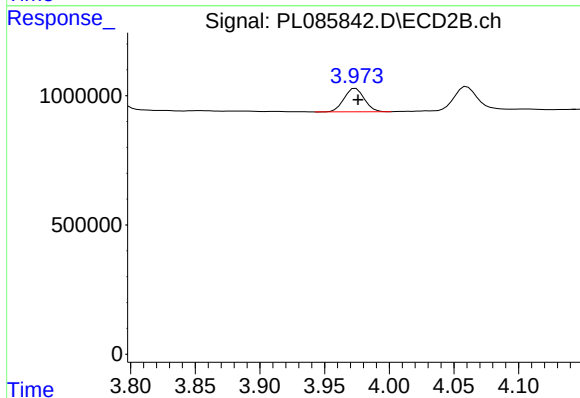
#7 delta-BHC

R.T.: 4.586 min
Delta R.T.: -0.004 min
Response: 4522257
Conc: 1.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

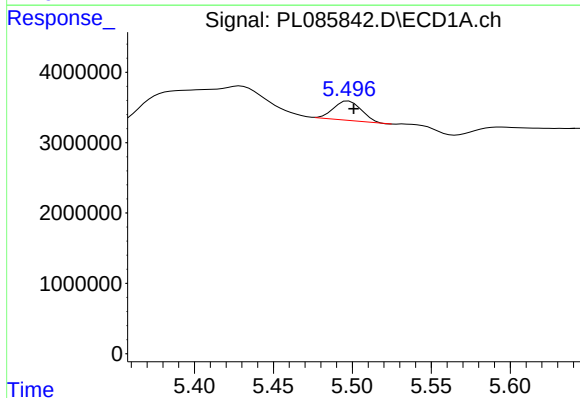
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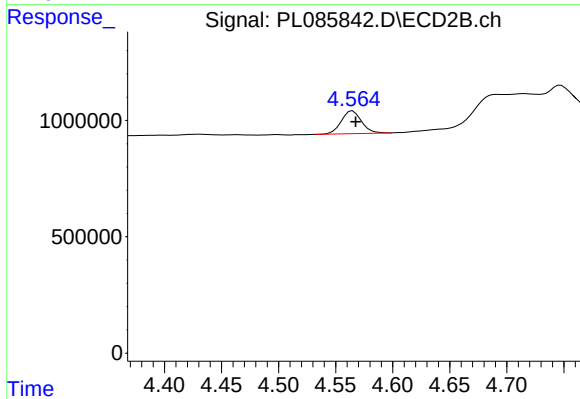
#7 delta-BHC

R.T.: 3.974 min
Delta R.T.: -0.002 min
Response: 991257
Conc: 0.86 ng/ml



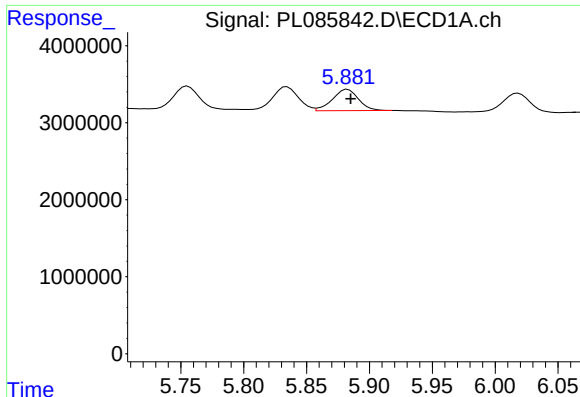
#8 Heptachlor epoxide

R.T.: 5.496 min
Delta R.T.: -0.005 min
Response: 3365721
Conc: 0.98 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.565 min
Delta R.T.: -0.003 min
Response: 1206990
Conc: 1.20 ng/ml



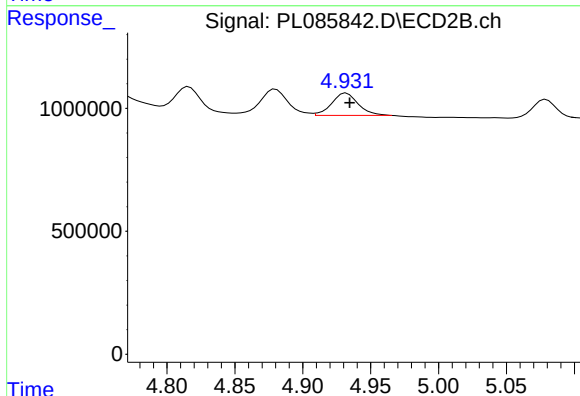
#9 Endosulfan I

R.T.: 5.881 min
Delta R.T.: -0.004 min
Response: 3958046
Conc: 1.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

Manual Integrations
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#9 Endosulfan I

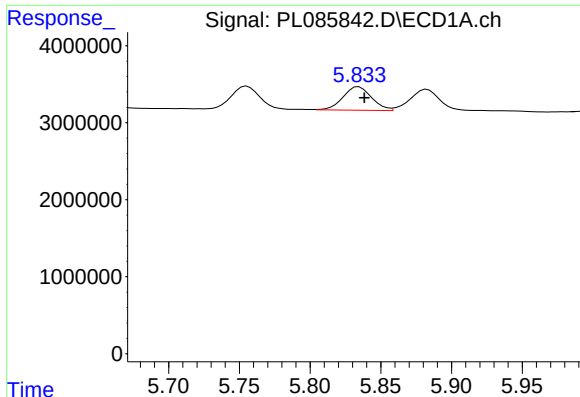
R.T.: 4.931 min
Delta R.T.: -0.004 min
Response: 1216662
Conc: 1.13 ng/ml m

#10 gamma-Chlordane

R.T.: 5.755 min
Delta R.T.: -0.003 min
Response: 4213099
Conc: 1.23 ng/ml

#10 gamma-Chlordane

R.T.: 4.815 min
Delta R.T.: -0.004 min
Response: 1516152
Conc: 1.53 ng/ml m



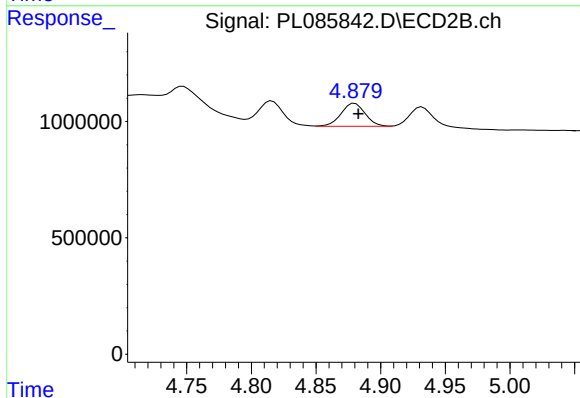
#11 alpha-Chlordane

R.T.: 5.834 min
Delta R.T.: -0.004 min
Response: 4306698
Conc: 1.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

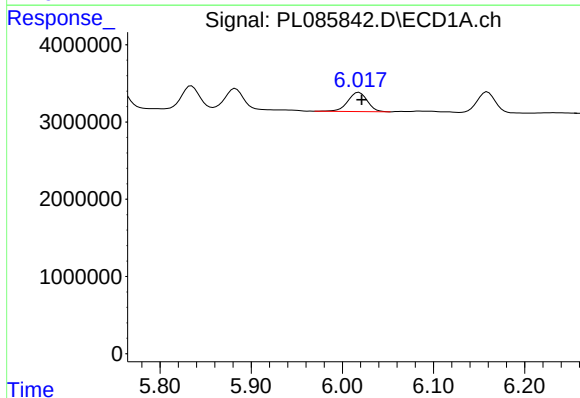
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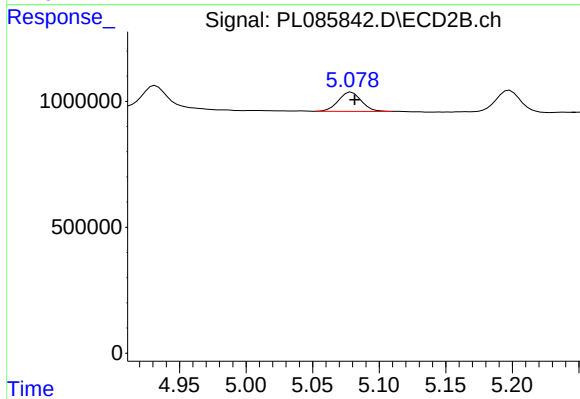
#11 alpha-Chlordane

R.T.: 4.879 min
Delta R.T.: -0.004 min
Response: 1285830
Conc: 1.18 ng/ml m



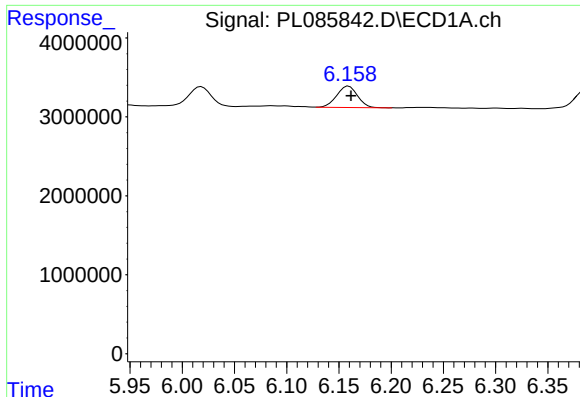
#12 4,4'-DDE

R.T.: 6.018 min
Delta R.T.: -0.003 min
Response: 3738904
Conc: 1.34 ng/ml



#12 4,4'-DDE

R.T.: 5.078 min
Delta R.T.: -0.004 min
Response: 920282
Conc: 1.12 ng/ml m



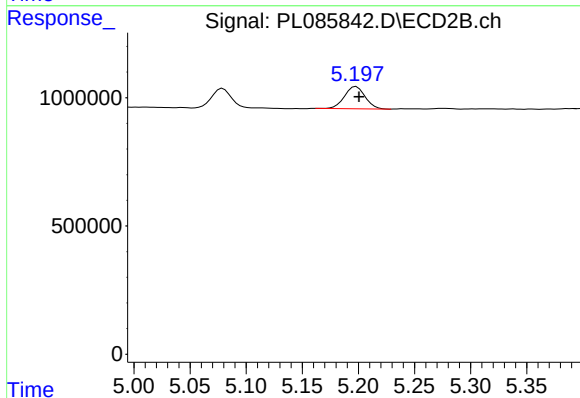
#13 Dieldrin

R.T.: 6.159 min
Delta R.T.: -0.002 min
Response: 3690059
Conc: 1.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

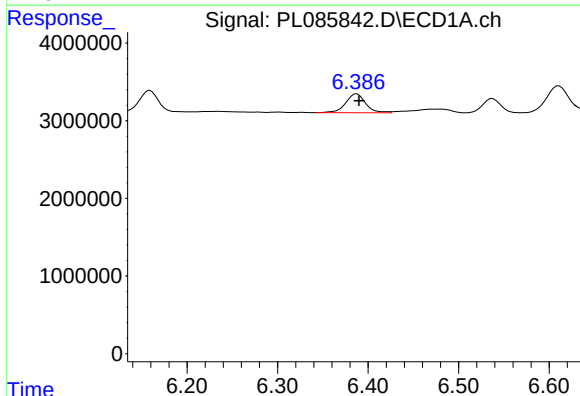
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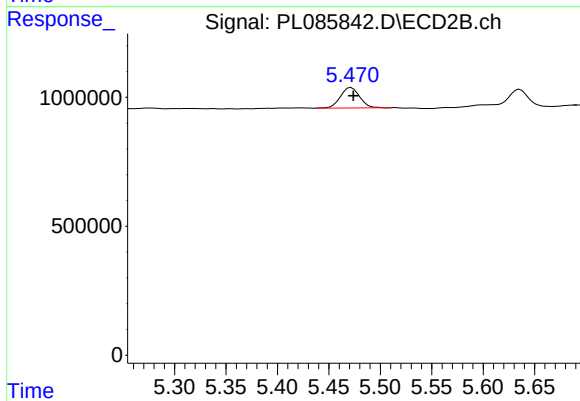
#13 Dieldrin

R.T.: 5.198 min
Delta R.T.: -0.002 min
Response: 1115236
Conc: 1.15 ng/ml



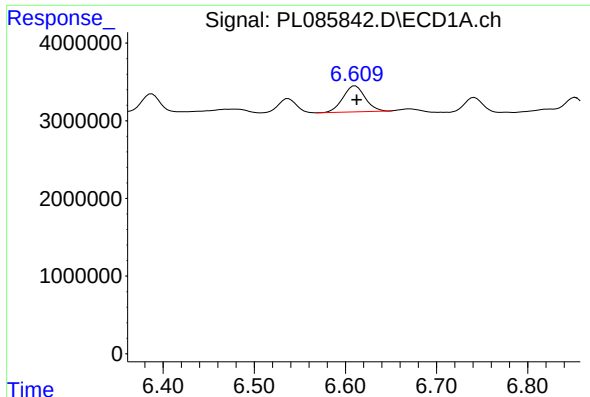
#14 Endrin

R.T.: 6.388 min
Delta R.T.: -0.002 min
Response: 3703920
Conc: 1.30 ng/ml



#14 Endrin

R.T.: 5.472 min
Delta R.T.: -0.002 min
Response: 1035709
Conc: 1.15 ng/ml



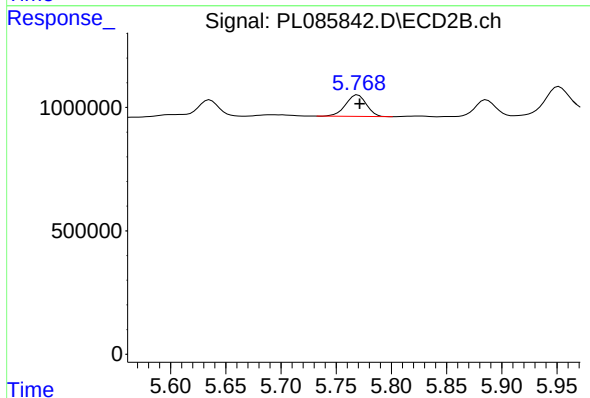
#15 Endosulfan II

R.T.: 6.611 min
Delta R.T.: -0.002 min
Response: 5639371
Conc: 2.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

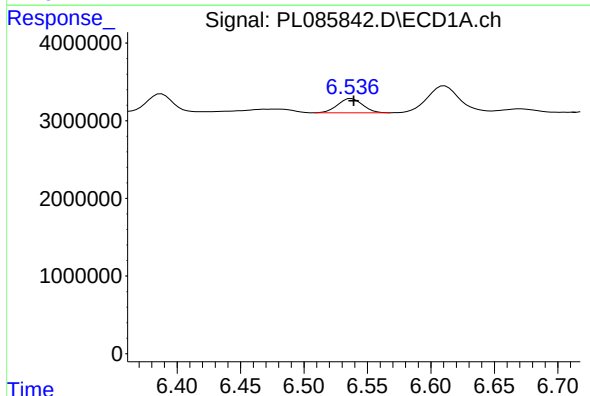
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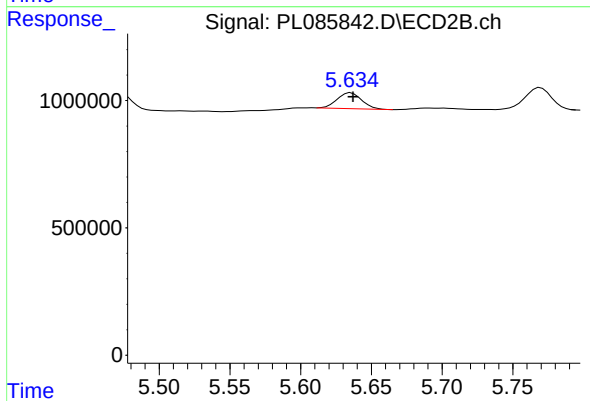
#15 Endosulfan II

R.T.: 5.770 min
Delta R.T.: -0.002 min
Response: 1140194
Conc: 1.20 ng/ml



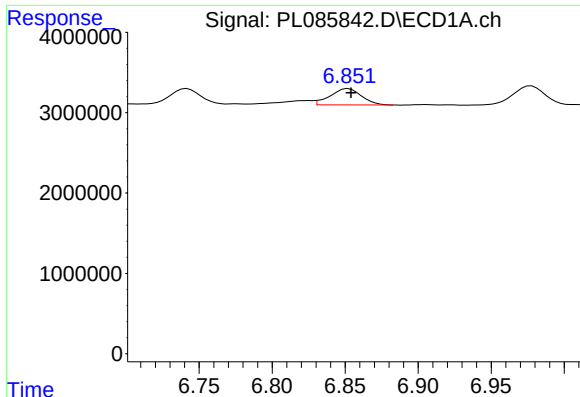
#16 4,4'-DDD

R.T.: 6.538 min
Delta R.T.: -0.002 min
Response: 2493590
Conc: 1.24 ng/ml



#16 4,4'-DDD

R.T.: 5.634 min
Delta R.T.: -0.003 min
Response: 754234
Conc: 1.08 ng/ml m



#17 4,4'-DDT

R.T.: 6.851 min
Delta R.T.: -0.003 min
Response: 3011699
Conc: 1.28 ng/ml

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#17 4,4'-DDT

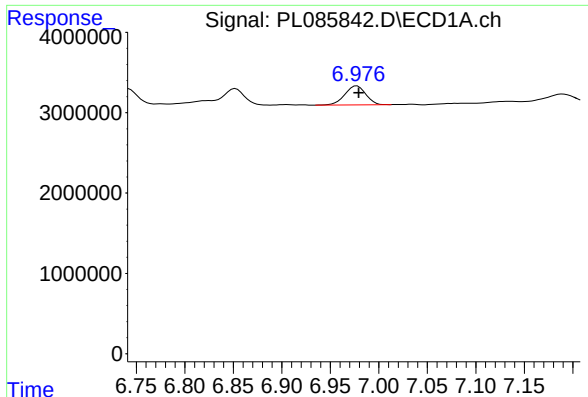
R.T.: 5.886 min
Delta R.T.: -0.002 min
Response: 833373
Conc: 1.05 ng/ml

#18 Endrin aldehyde

R.T.: 6.742 min
Delta R.T.: -0.001 min
Response: 2659130
Conc: 1.31 ng/ml

#18 Endrin aldehyde

R.T.: 5.952 min
Delta R.T.: 0.000 min
Response: 2015176
Conc: 2.70 ng/ml



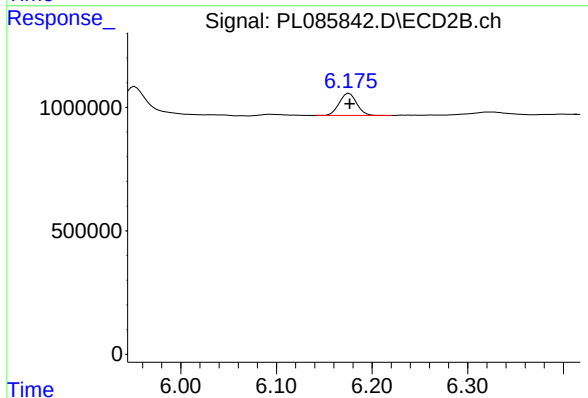
#19 Endosulfan Sulfate

R.T.: 6.978 min
Delta R.T.: -0.002 min
Response: 3564796
Conc: 1.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

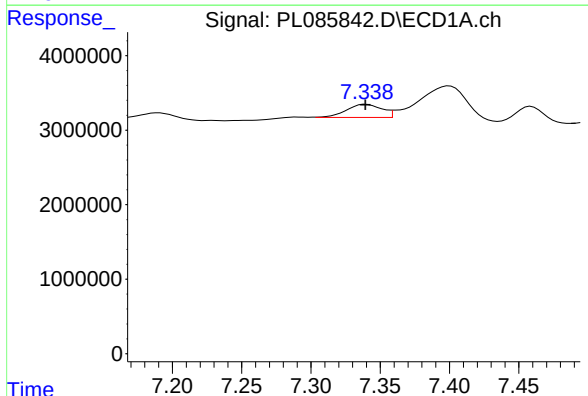
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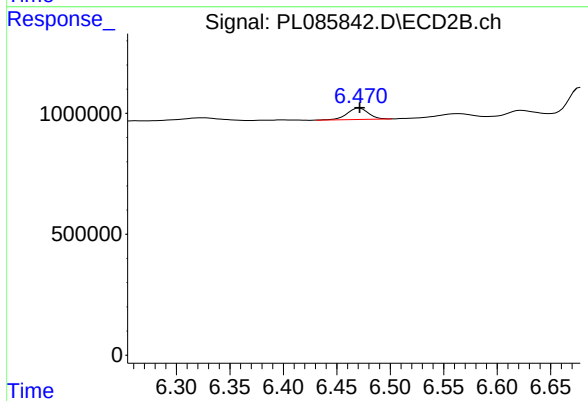
#19 Endosulfan Sulfate

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1134140
Conc: 1.26 ng/ml



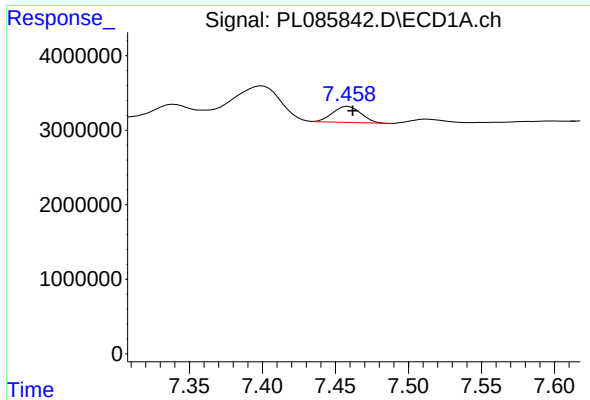
#20 Methoxychlor

R.T.: 7.338 min
Delta R.T.: 0.000 min
Response: 3277848
Conc: 2.35 ng/ml m



#20 Methoxychlor

R.T.: 6.471 min
Delta R.T.: 0.000 min
Response: 647334
Conc: 1.23 ng/ml



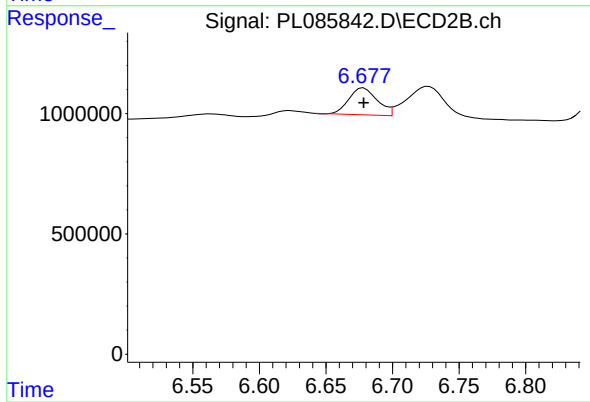
#21 Endrin ketone

R.T.: 7.459 min
Delta R.T.: -0.003 min
Response: 2877734
Conc: 1.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

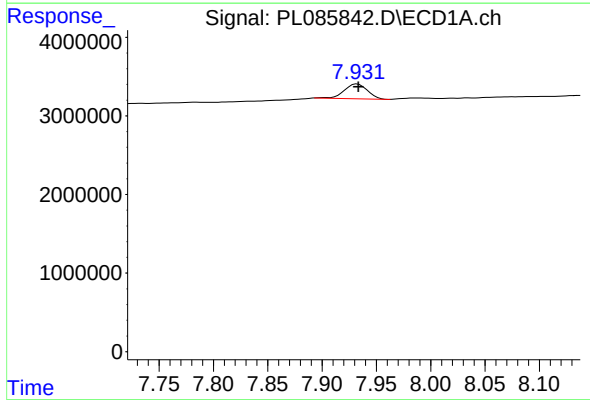
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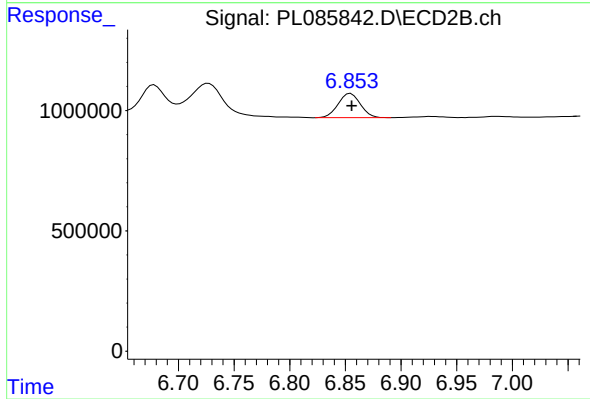
#21 Endrin ketone

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 1649943
Conc: 1.44 ng/ml



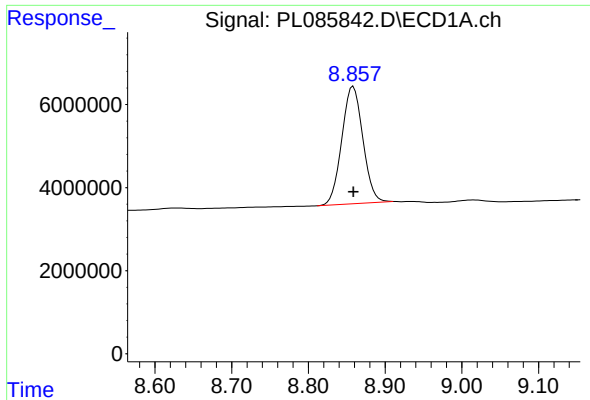
#22 Mirex

R.T.: 7.932 min
Delta R.T.: -0.001 min
Response: 2821199
Conc: 1.27 ng/ml



#22 Mirex

R.T.: 6.855 min
Delta R.T.: -0.001 min
Response: 1406548
Conc: 1.49 ng/ml



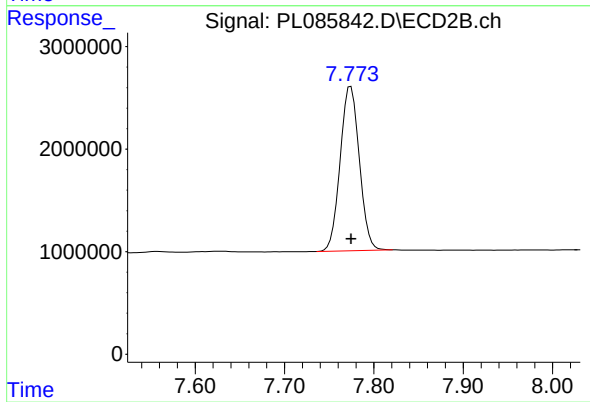
#28 Decachlorobiphenyl

R.T.: 8.858 min
Delta R.T.: 0.000 min
Response: 54224870
Conc: 24.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT4-2023

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/12/2023
Supervised By :Ankita Jodhani 10/12/2023



#28 Decachlorobiphenyl

R.T.: 7.774 min
Delta R.T.: 0.000 min
Response: 23928696
Conc: 25.93 ng/ml