

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100923\
 Data File : PL085798.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2023 21:26
 Operator : AR\AJ
 Sample : 04699-01
 Misc : PEST LOD 1PPB
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2023

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 03:26:40 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...	3.358	2.622	56682451	17553227	19.058	18.791
28)	SA Decachlor...	8.860	7.776	52778909	20979075	24.232	22.730
Target Compounds							
2)	A alpha-BHC	3.811	3.121	3958619	1089039	0.922	0.866
3)	MA gamma-BHC...	4.143	3.448	3947055	1121125	0.955	0.909
4)	MA Heptachlor	4.729	3.784	4256607	1089224	1.101m	0.937m
5)	MB Aldrin	5.071	4.062	3914209	1112564	1.010	0.995
6)	B beta-BHC	4.346	3.750	2332365	612573	1.410	1.177
7)	B delta-BHC	4.587	3.975	3827376	1004028	0.998m	0.874
8)	B Heptachlo...	5.500	4.567	3415218	1060606	0.990	1.056
9)	A Endosulfan I	5.883	4.934	3728434	1527393	1.153m	1.424
10)	B gamma-Chl...	5.757	4.816	3893755	1312065	1.138m	1.325m
11)	B alpha-Chl...	5.836	4.881	3991166	1034759	1.168m	0.949m
12)	B 4,4'-DDE	6.019	5.081	3439277	760464	1.230m	0.926
13)	MA Dieldrin	6.161	5.200	3736388	983971	1.137	1.014
14)	MA Endrin	6.389	5.473	3347610	855239	1.175	0.951
15)	B Endosulfa...	6.613	5.771	4636178	1071434	1.683	1.127 #
16)	A 4,4'-DDD	6.540	5.637	2691358	802681	1.336	1.153
17)	MA 4,4'-DDT	6.853	5.888	2957203	705547	1.255m	0.892 #
18)	B Endrin al...	6.744	5.954	2686042	1435750	1.325	1.925 #
19)	B Endosulfa...	6.980	6.178	3385905	1044371	1.349	1.158
20)	A Methoxychlor	7.340	6.473	3221345	529011	2.307m	1.006 #
21)	B Endrin ke...	7.461	6.680	2977532	1663249	1.034	1.447 #
22)	Mirex	7.934	6.857	2743639	1214088	1.239	1.287

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100923\
Data File : PL085798.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2023 21:26
Operator : AR\AJ
Sample : 04699-01
Misc : PEST LOD 1PPB
ALS Vial : 28 Sample Multiplier: 1

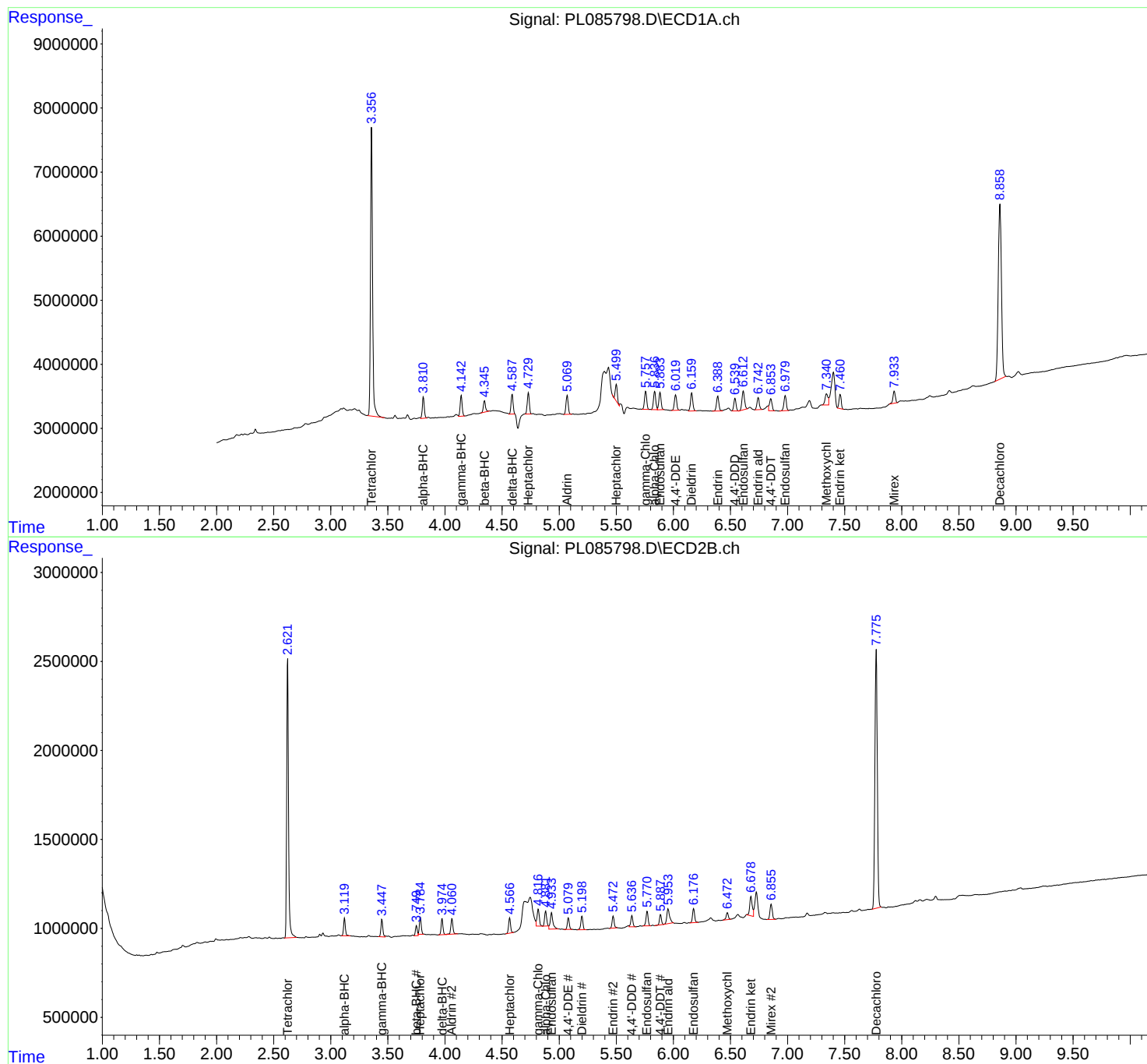
Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

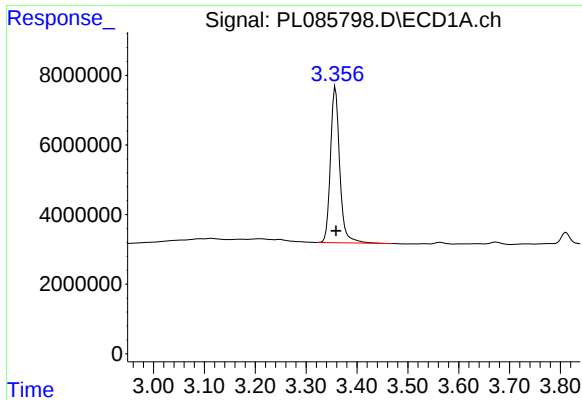
Manual Integrations
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Reviewed By : Abdul Mirza 10/10/2023
Supervised By : Ankita Jodhani 10/10/2023

Integration File signal 1: autoint1.e
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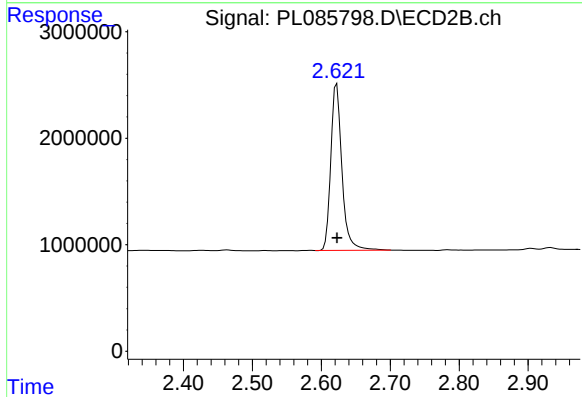
#1 Tetrachloro-m-xylene

R.T.: 3.358 min
Delta R.T.: -0.001 min
Response: 56682451
Conc: 19.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

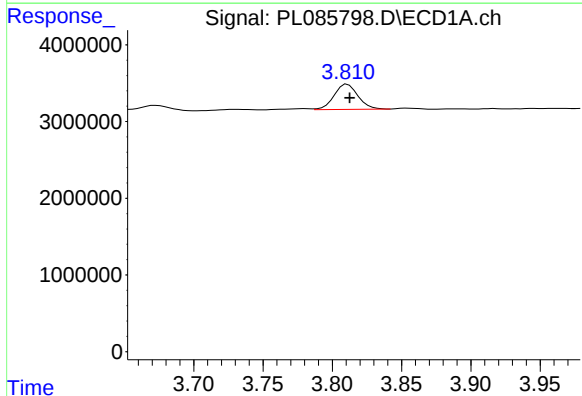
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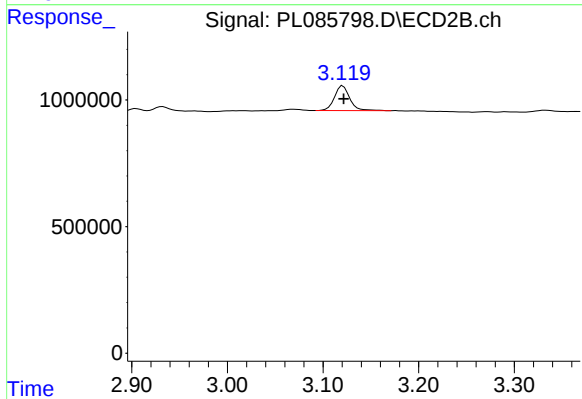
#1 Tetrachloro-m-xylene

R.T.: 2.622 min
Delta R.T.: 0.000 min
Response: 17553227
Conc: 18.79 ng/ml



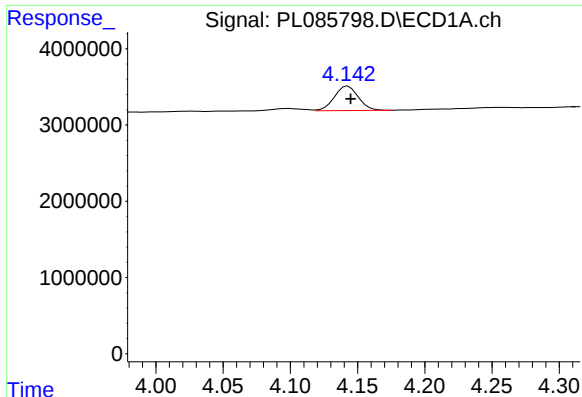
#2 alpha-BHC

R.T.: 3.811 min
Delta R.T.: -0.002 min
Response: 3958619
Conc: 0.92 ng/ml



#2 alpha-BHC

R.T.: 3.121 min
Delta R.T.: 0.000 min
Response: 1089039
Conc: 0.87 ng/ml



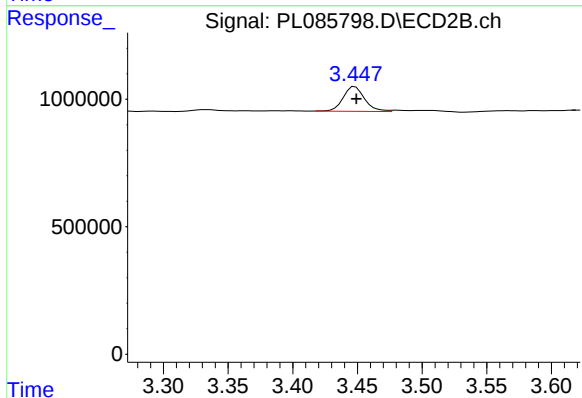
#3 gamma-BHC (Lindane)

R.T.: 4.143 min
Delta R.T.: -0.002 min
Response: 3947055
Conc: 0.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
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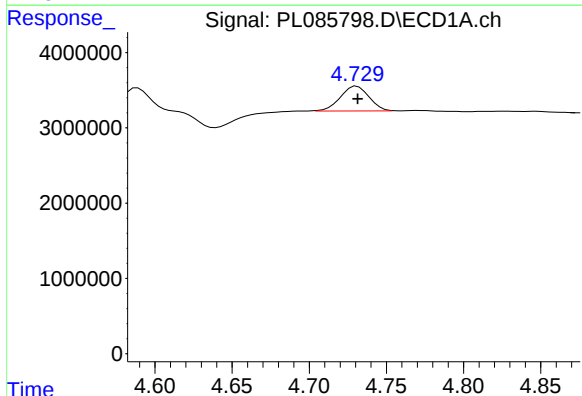
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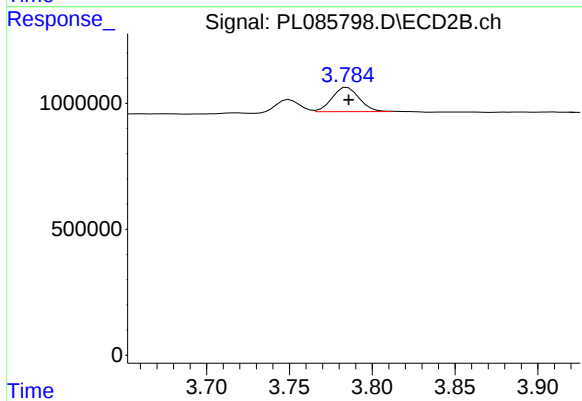
#3 gamma-BHC (Lindane)

R.T.: 3.448 min
Delta R.T.: 0.000 min
Response: 1121125
Conc: 0.91 ng/ml



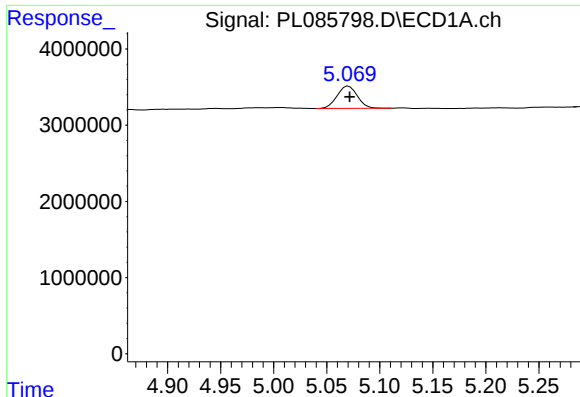
#4 Heptachlor

R.T.: 4.729 min
Delta R.T.: -0.002 min
Response: 4256607
Conc: 1.10 ng/ml m



#4 Heptachlor

R.T.: 3.784 min
Delta R.T.: -0.002 min
Response: 1089224
Conc: 0.94 ng/ml m



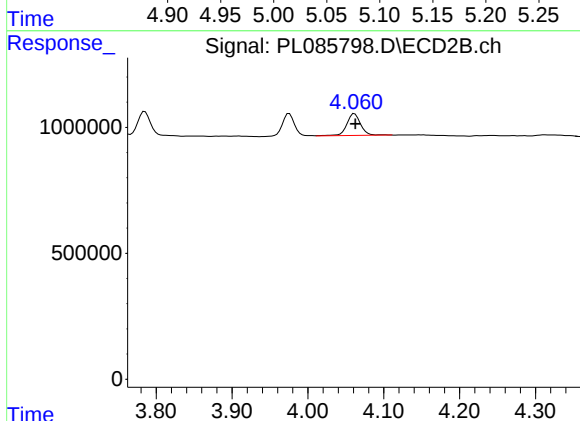
#5 Aldrin

R.T.: 5.071 min
Delta R.T.: -0.001 min
Response: 3914209
Conc: 1.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

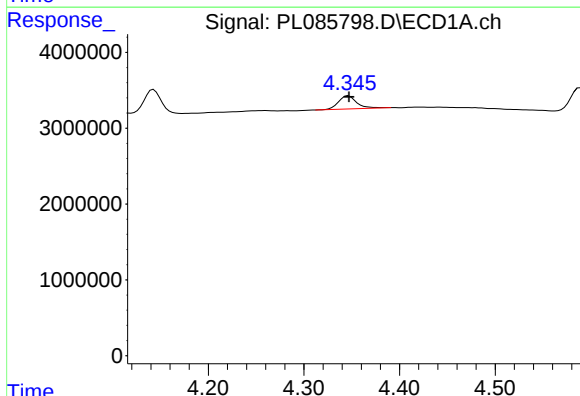
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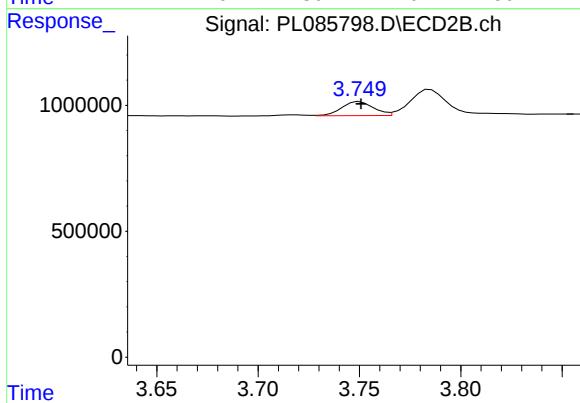
#5 Aldrin

R.T.: 4.062 min
Delta R.T.: 0.000 min
Response: 1112564
Conc: 0.99 ng/ml



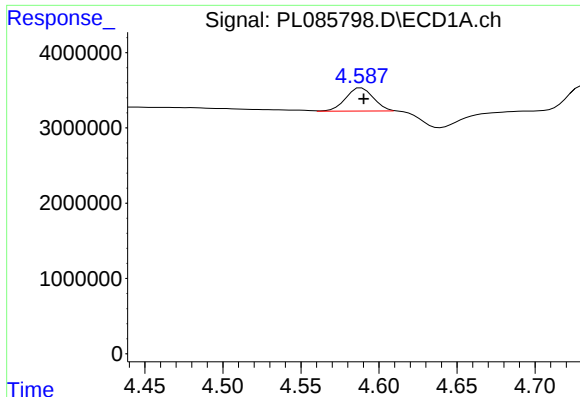
#6 beta-BHC

R.T.: 4.346 min
Delta R.T.: 0.000 min
Response: 2332365
Conc: 1.41 ng/ml



#6 beta-BHC

R.T.: 3.750 min
Delta R.T.: 0.000 min
Response: 612573
Conc: 1.18 ng/ml



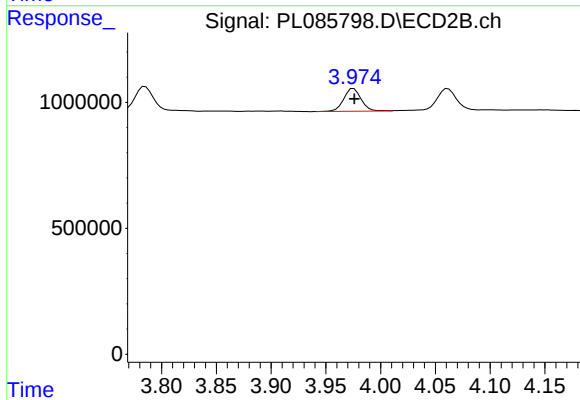
#7 delta-BHC

R.T.: 4.587 min
Delta R.T.: -0.003 min
Response: 3827376
Conc: 1.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

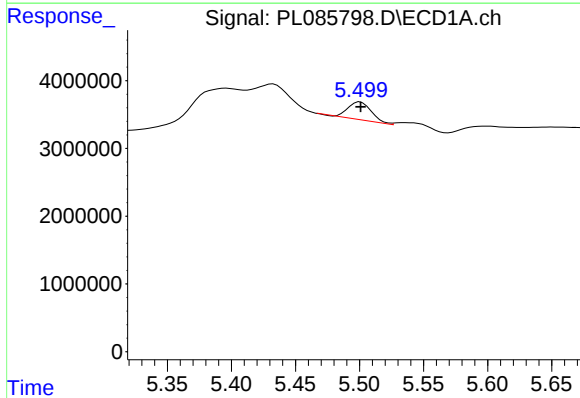
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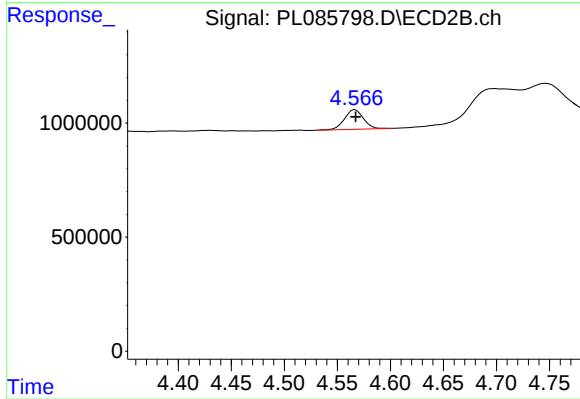
#7 delta-BHC

R.T.: 3.975 min
Delta R.T.: 0.000 min
Response: 1004028
Conc: 0.87 ng/ml



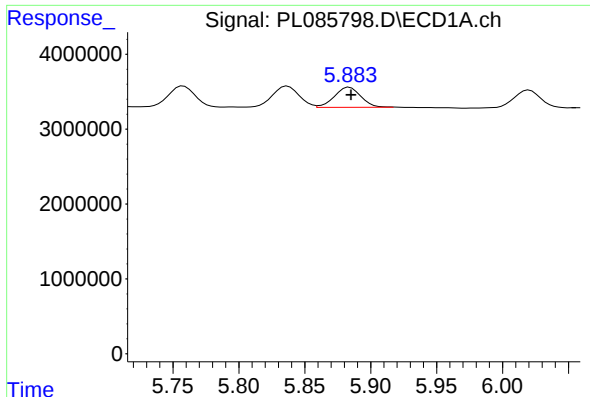
#8 Heptachlor epoxide

R.T.: 5.500 min
Delta R.T.: 0.000 min
Response: 3415218
Conc: 0.99 ng/ml



#8 Heptachlor epoxide

R.T.: 4.567 min
Delta R.T.: 0.000 min
Response: 1060606
Conc: 1.06 ng/ml



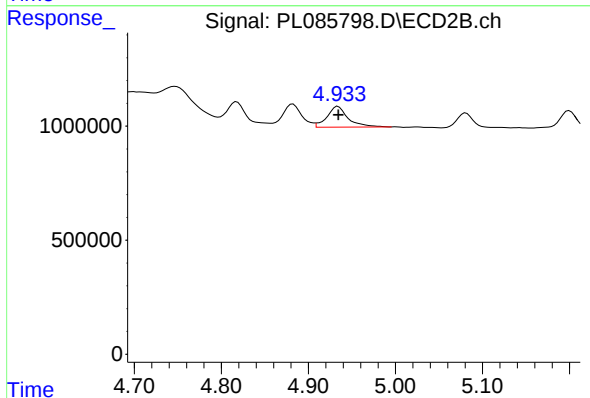
#9 Endosulfan I

R.T.: 5.883 min
Delta R.T.: -0.003 min
Response: 3728434
Conc: 1.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

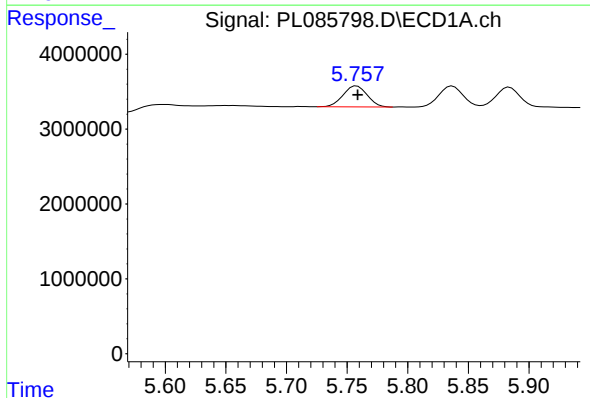
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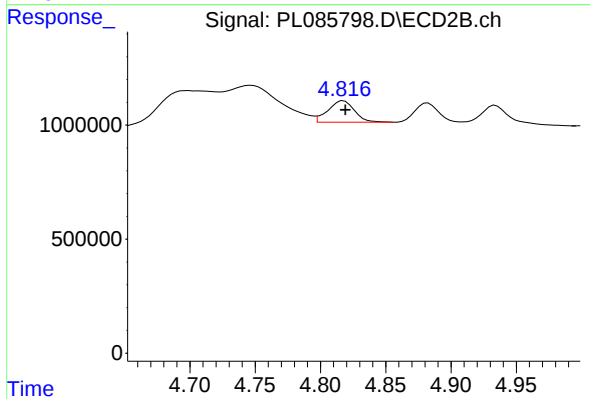
#9 Endosulfan I

R.T.: 4.934 min
Delta R.T.: 0.000 min
Response: 1527393
Conc: 1.42 ng/ml



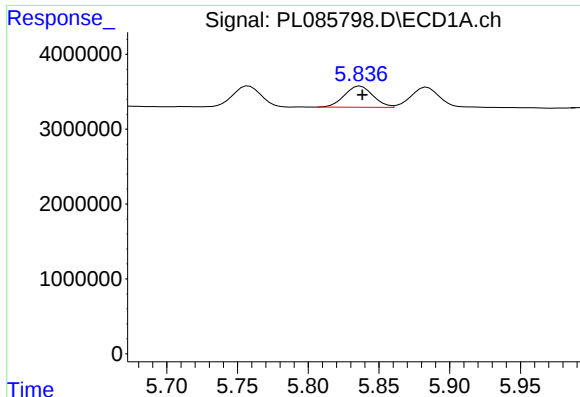
#10 gamma-Chlordane

R.T.: 5.757 min
Delta R.T.: -0.002 min
Response: 3893755
Conc: 1.14 ng/ml m



#10 gamma-Chlordane

R.T.: 4.816 min
Delta R.T.: -0.003 min
Response: 1312065
Conc: 1.32 ng/ml m



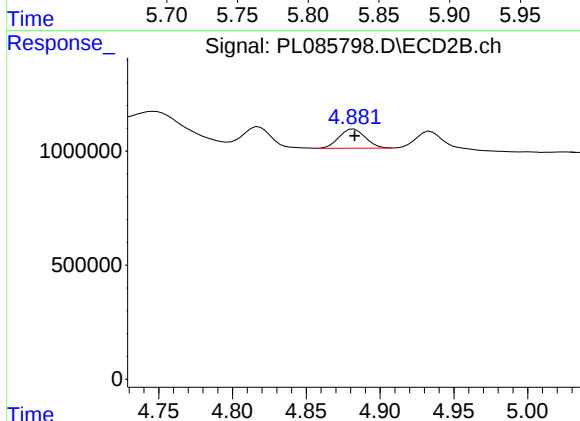
#11 alpha-Chlordane

R.T.: 5.836 min
Delta R.T.: -0.003 min
Response: 3991166
Conc: 1.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

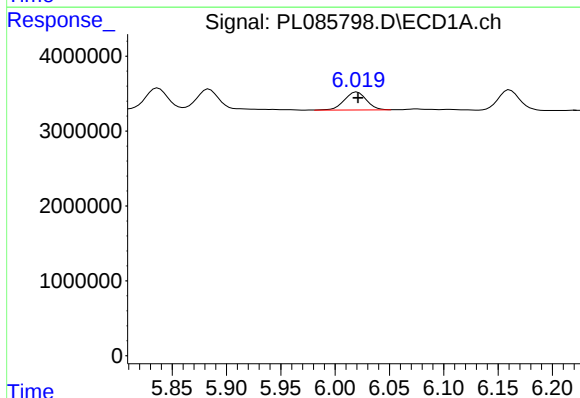
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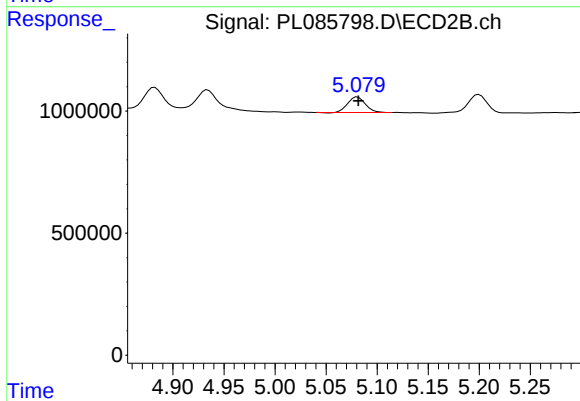
#11 alpha-Chlordane

R.T.: 4.881 min
Delta R.T.: -0.002 min
Response: 1034759
Conc: 0.95 ng/ml m



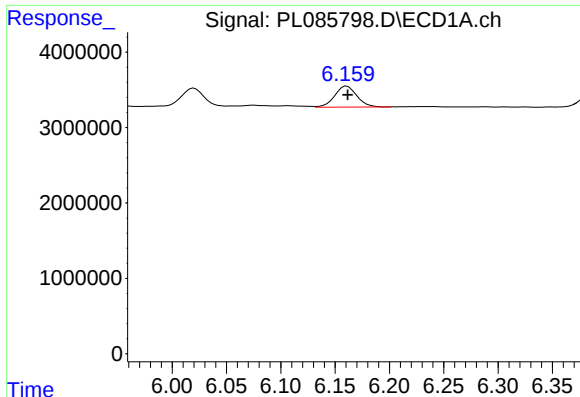
#12 4,4'-DDE

R.T.: 6.019 min
Delta R.T.: -0.002 min
Response: 3439277
Conc: 1.23 ng/ml m



#12 4,4'-DDE

R.T.: 5.081 min
Delta R.T.: 0.000 min
Response: 760464
Conc: 0.93 ng/ml



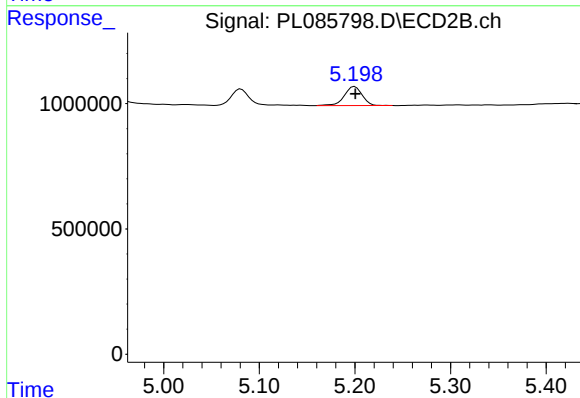
#13 Dieldrin

R.T.: 6.161 min
Delta R.T.: 0.000 min
Response: 3736388
Conc: 1.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

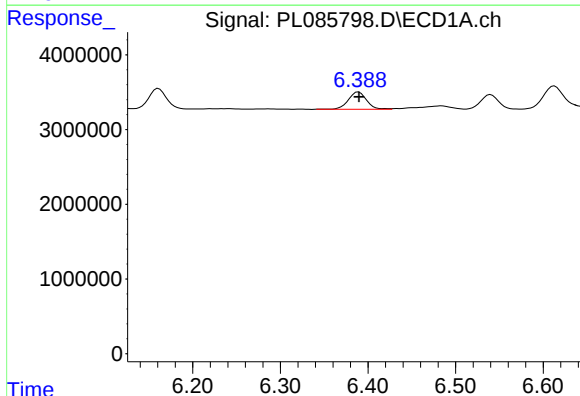
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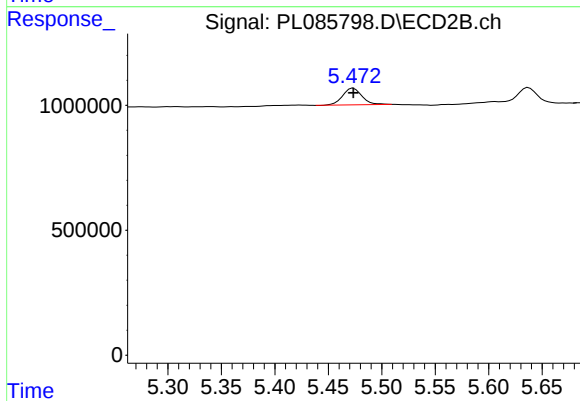
#13 Dieldrin

R.T.: 5.200 min
Delta R.T.: 0.000 min
Response: 983971
Conc: 1.01 ng/ml



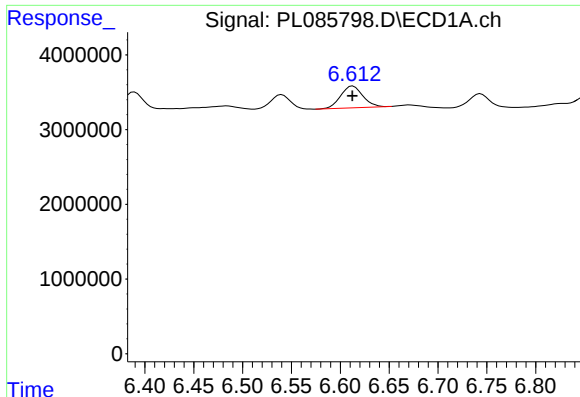
#14 Endrin

R.T.: 6.389 min
Delta R.T.: 0.000 min
Response: 3347610
Conc: 1.17 ng/ml



#14 Endrin

R.T.: 5.473 min
Delta R.T.: 0.000 min
Response: 855239
Conc: 0.95 ng/ml



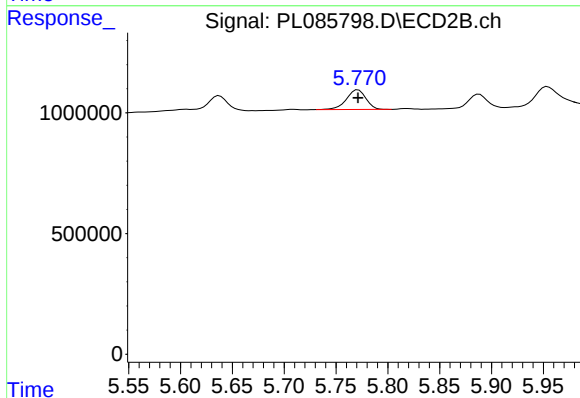
#15 Endosulfan II

R.T.: 6.613 min
Delta R.T.: 0.000 min
Response: 4636178
Conc: 1.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
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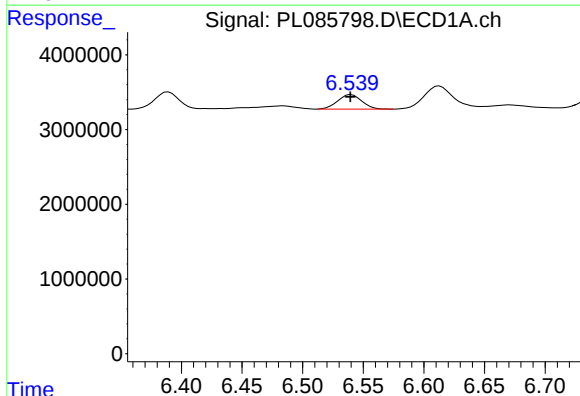
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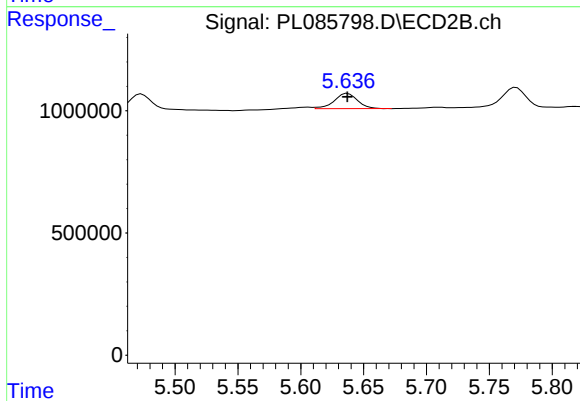
#15 Endosulfan II

R.T.: 5.771 min
Delta R.T.: 0.000 min
Response: 1071434
Conc: 1.13 ng/ml



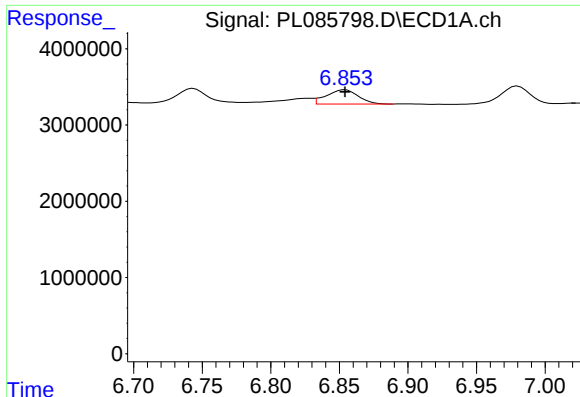
#16 4,4'-DDD

R.T.: 6.540 min
Delta R.T.: 0.000 min
Response: 2691358
Conc: 1.34 ng/ml



#16 4,4'-DDD

R.T.: 5.637 min
Delta R.T.: 0.000 min
Response: 802681
Conc: 1.15 ng/ml



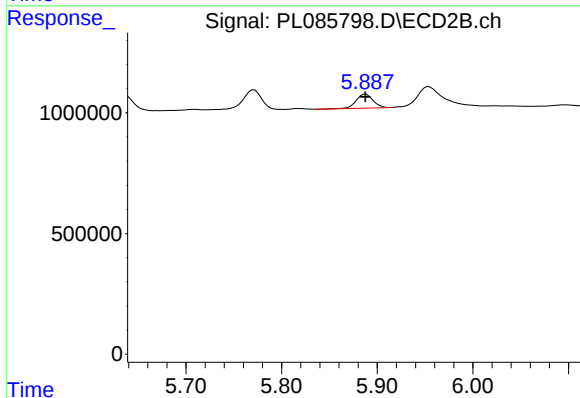
#17 4,4'-DDT

R.T.: 6.853 min
Delta R.T.: -0.001 min
Response: 2957203
Conc: 1.25 ng/ml

Instrument :
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#17 4,4'-DDT

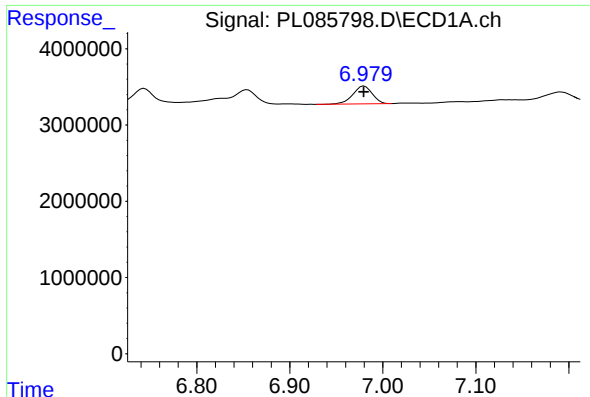
R.T.: 5.888 min
Delta R.T.: 0.000 min
Response: 705547
Conc: 0.89 ng/ml

#18 Endrin aldehyde

R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 2686042
Conc: 1.33 ng/ml

#18 Endrin aldehyde

R.T.: 5.954 min
Delta R.T.: 0.001 min
Response: 1435750
Conc: 1.93 ng/ml



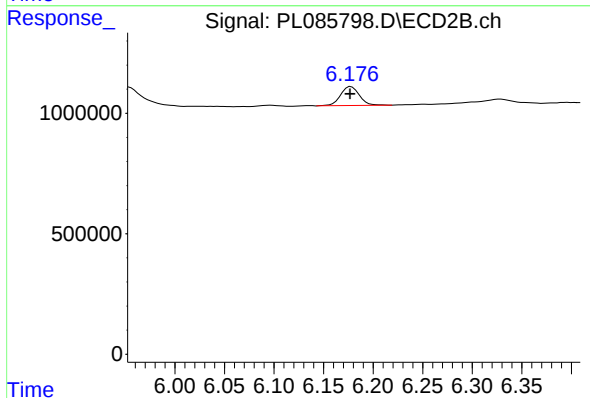
#19 Endosulfan Sulfate

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 3385905
Conc: 1.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

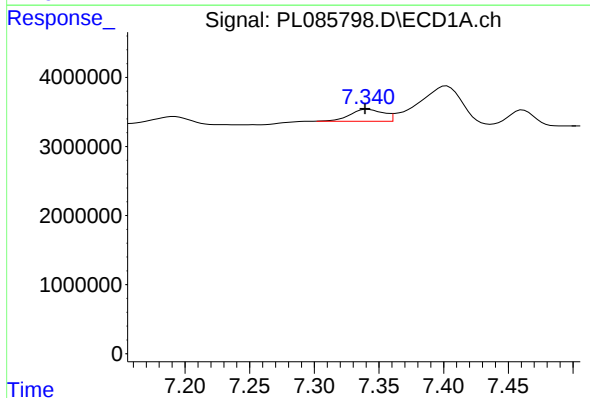
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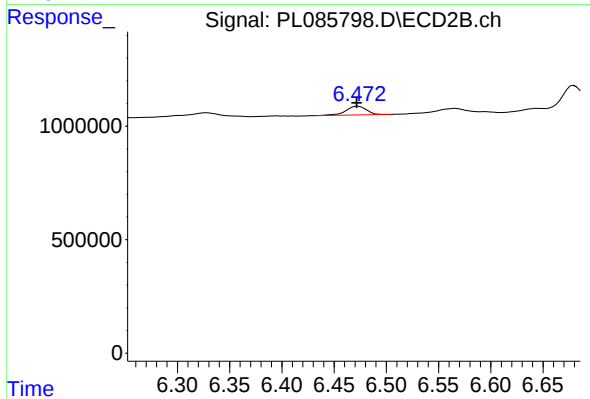
#19 Endosulfan Sulfate

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1044371
Conc: 1.16 ng/ml



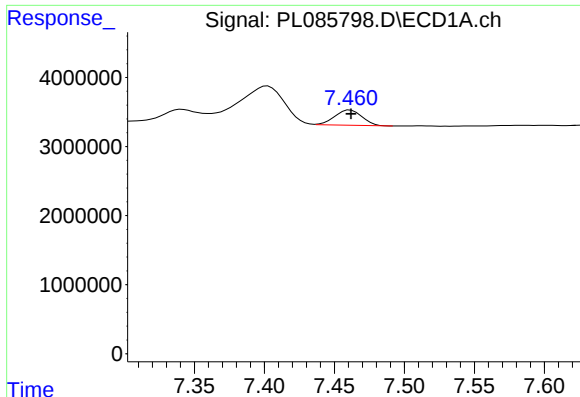
#20 Methoxychlor

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 3221345
Conc: 2.31 ng/ml m



#20 Methoxychlor

R.T.: 6.473 min
Delta R.T.: 0.002 min
Response: 529011
Conc: 1.01 ng/ml



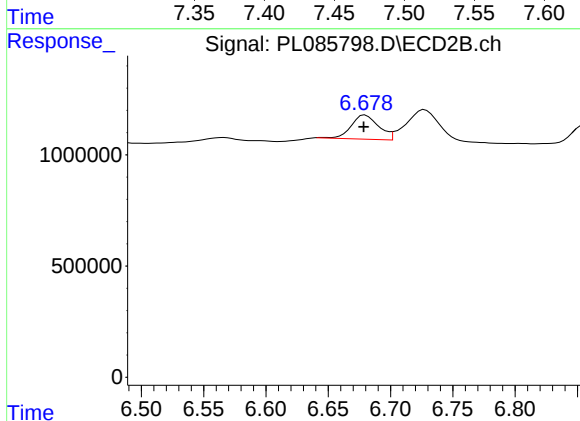
#21 Endrin ketone

R.T.: 7.461 min
Delta R.T.: 0.000 min
Response: 2977532
Conc: 1.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
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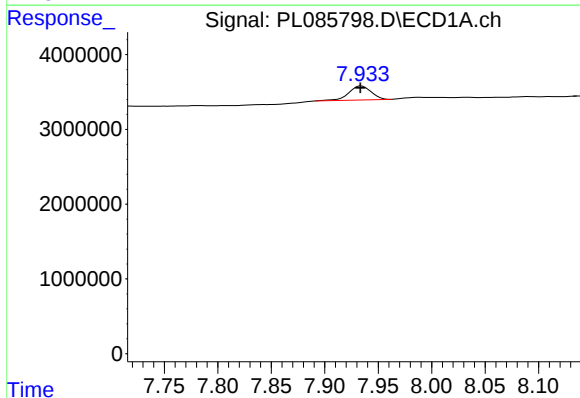
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Supervised By :Ankita Jodhani 10/10/2023



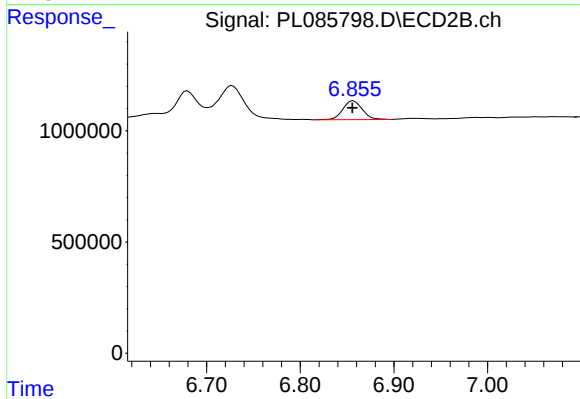
#21 Endrin ketone

R.T.: 6.680 min
Delta R.T.: 0.001 min
Response: 1663249
Conc: 1.45 ng/ml



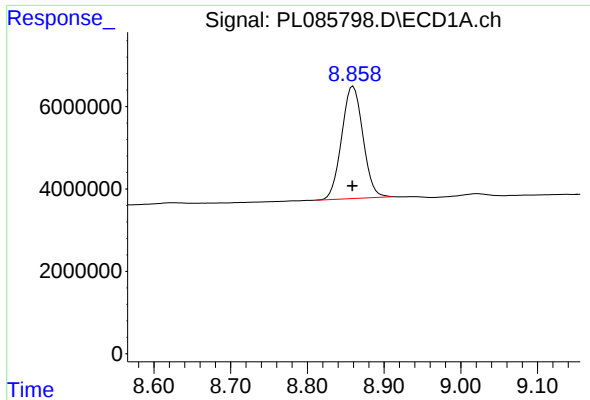
#22 Mirex

R.T.: 7.934 min
Delta R.T.: 0.000 min
Response: 2743639
Conc: 1.24 ng/ml



#22 Mirex

R.T.: 6.857 min
Delta R.T.: 0.001 min
Response: 1214088
Conc: 1.29 ng/ml



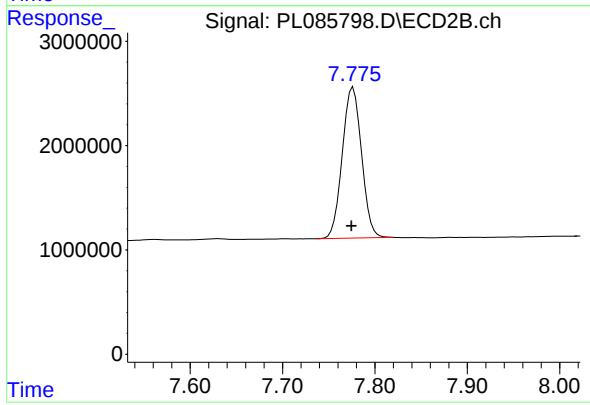
#28 Decachlorobiphenyl

R.T.: 8.860 min
Delta R.T.: 0.000 min
Response: 52778909
Conc: 24.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2023

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.776 min
Delta R.T.: 0.002 min
Response: 20979075
Conc: 22.73 ng/ml