

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL062425\
 Data File : PL096166.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jun 2025 17:29
 Operator : AR\AJ
 Sample : Q2126-02
 Misc : PEST LOQ 5PPB SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/25/2025
 Supervised By : mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 25 04:28:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL062325.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 24 16:08:38 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...	3.570	2.880	57203903	72358643	16.618	16.492
28)	SA Decachlor...	9.110	8.062	48427918	97082343	18.166	18.041
Target Compounds							
2)	A alpha-BHC	4.021	3.389	21607357	25021958	4.033	3.780
3)	MA gamma-BHC...	4.352	3.722	21185009	24906097	4.230	3.958
4)	MA Heptachlor	4.948	4.074	20426872	25923426	4.449m	4.110
5)	MB Aldrin	5.292	4.358	21213351	23880259	4.462	4.039
6)	B beta-BHC	4.540	4.016	9732981	12457649	4.550	4.518m
7)	B delta-BHC	4.786	4.252	21316974	24536824	4.365m	3.902
8)	B Heptachlo...	5.713	4.860	22973860	23987128	5.239	4.179
9)	A Endosulfan I	6.096	5.231	18811637	25155594	4.680	4.232m
10)	B gamma-Chl...	5.967	5.111	19526394	25597934	4.489	4.250m
11)	B alpha-Chl...	6.048	5.176	19937342	27528053	4.614	4.464m
12)	B 4,4'-DDE	6.219	5.365	17386028	24768065	4.348	4.210
13)	MA Dieldrin	6.369	5.498	19708060	24963175	4.573	4.208
14)	MA Endrin	6.596	5.774	15654129	23549861	4.393	4.309
15)	B Endosulfa...	6.809	6.065	20706370	24162429	5.231m	4.519m
16)	A 4,4'-DDD	6.730	5.919	15129946	22308609	4.599	4.634
17)	MA 4,4'-DDT	7.046	6.174	14098067	20726347	4.313	3.776
18)	B Endrin al...	6.940	6.243	13377619	21302630	5.103	5.095m
19)	B Endosulfa...	7.174	6.469	16307897	23115727	4.828	4.514
20)	A Methoxychlor	7.522	6.746	7465746	12910077	4.534	4.398
21)	B Endrin ke...	7.655	6.975	17343108	27266383	4.803m	4.562
22)	Mirex	8.139	7.169	13996306	24771152	5.125	5.180

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL062425\
Data File : PL096166.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2025 17:29
Operator : AR\AJ
Sample : Q2126-02
Misc : PEST LOQ 5PPB SOIL
ALS Vial : 11 Sample Multiplier: 1

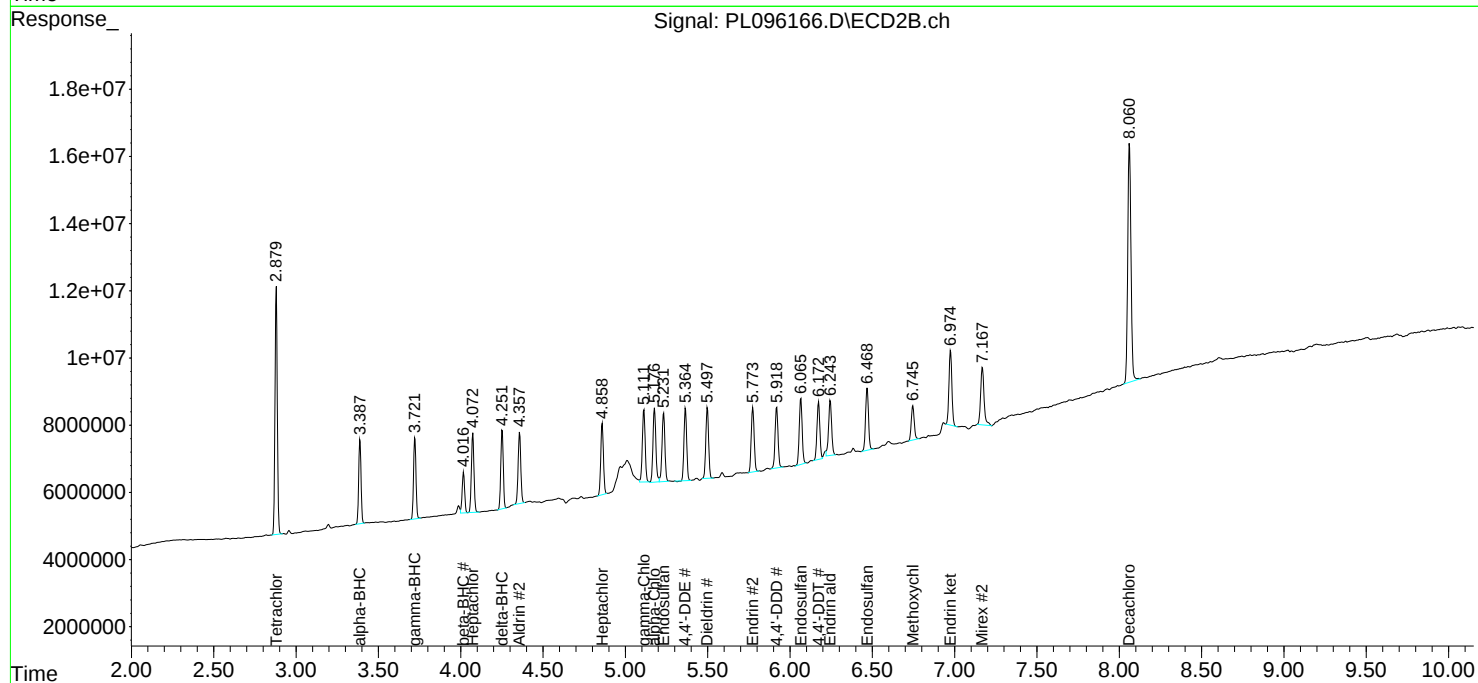
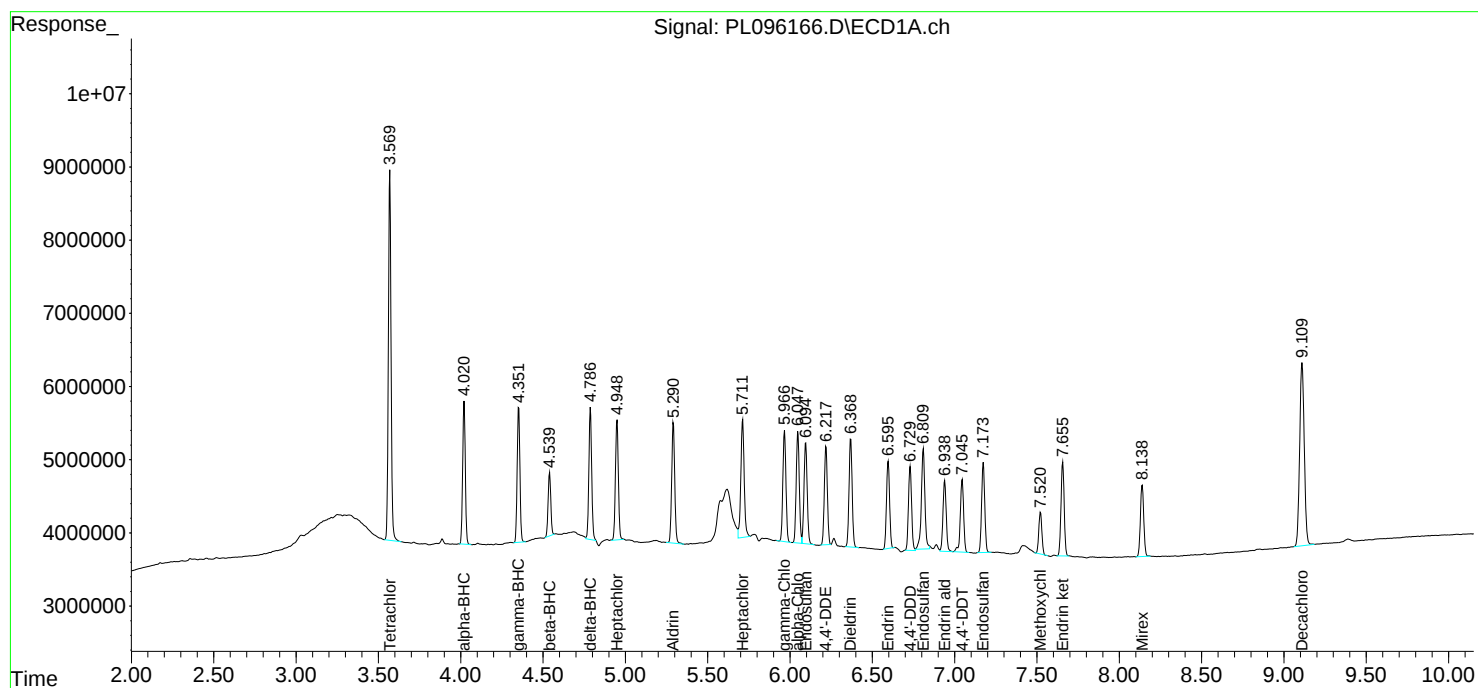
Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

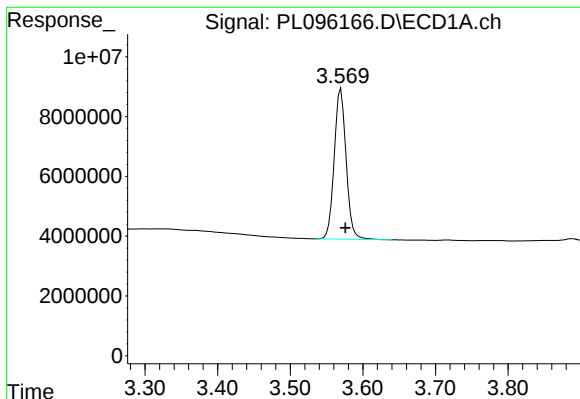
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 04:28:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL062325.M
Quant Title : GC Extractables
QLast Update : Tue Jun 24 16:08:38 2025
Response via : Initial Calibration
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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





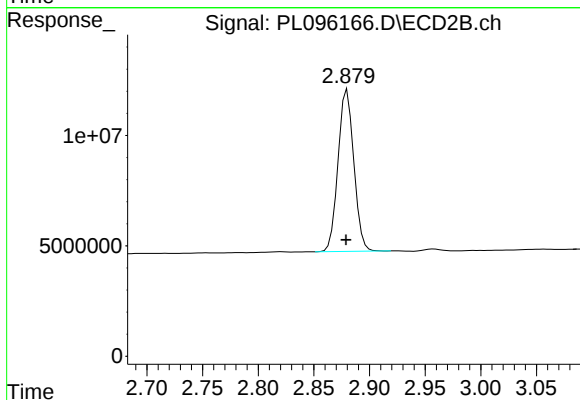
#1 Tetrachloro-m-xylene

R.T.: 3.570 min
Delta R.T.: -0.006 min
Response: 57203903
Conc: 16.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

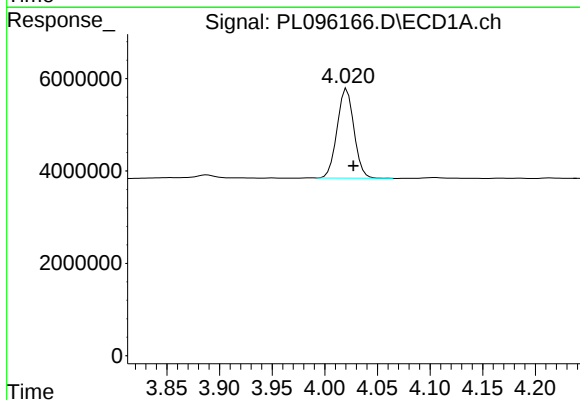
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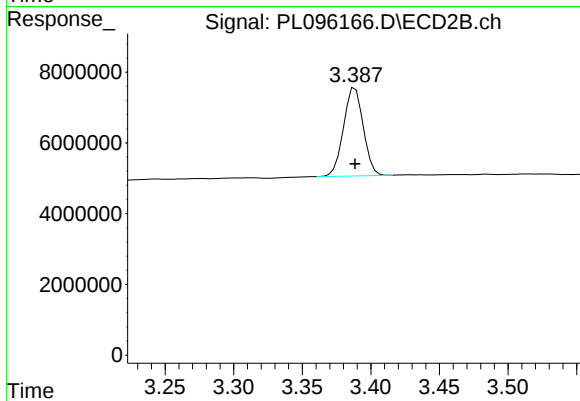
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 72358643
Conc: 16.49 ng/ml



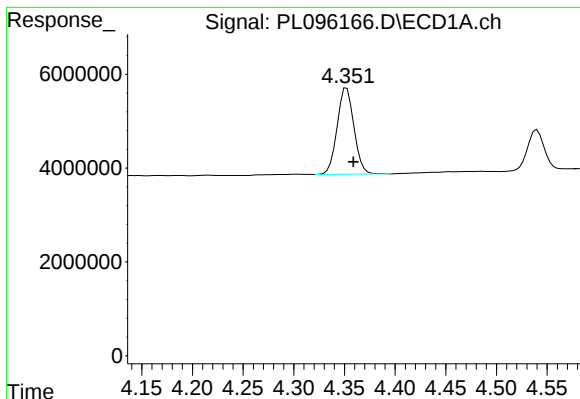
#2 alpha-BHC

R.T.: 4.021 min
Delta R.T.: -0.006 min
Response: 21607357
Conc: 4.03 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 25021958
Conc: 3.78 ng/ml



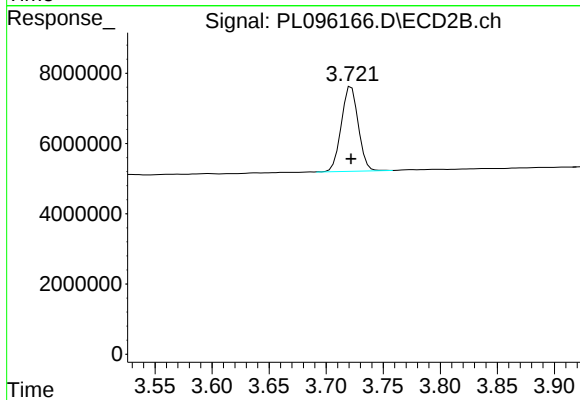
#3 gamma-BHC (Lindane)

R.T.: 4.352 min
Delta R.T.: -0.007 min
Response: 21185009
Conc: 4.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

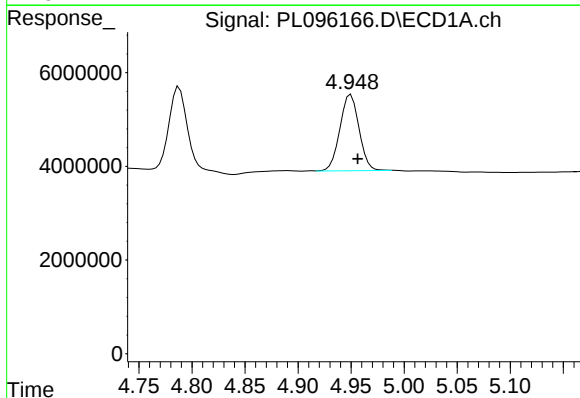
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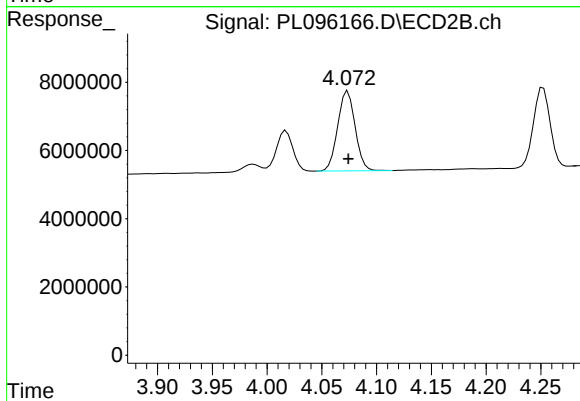
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 24906097
Conc: 3.96 ng/ml



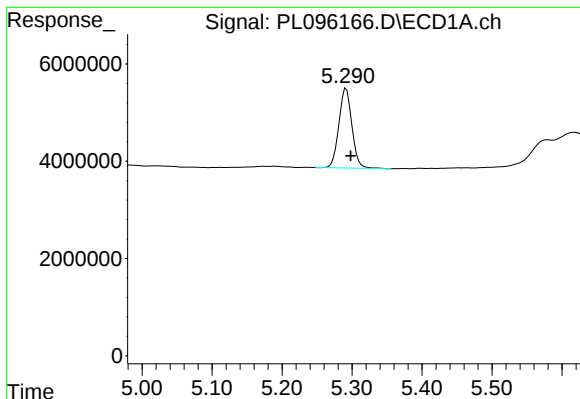
#4 Heptachlor

R.T.: 4.948 min
Delta R.T.: -0.008 min
Response: 20426872
Conc: 4.45 ng/ml m



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 25923426
Conc: 4.11 ng/ml



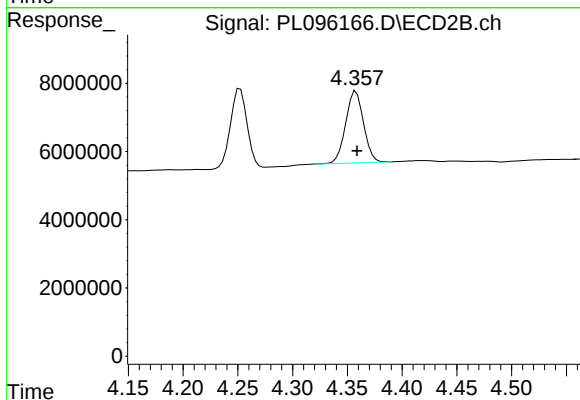
#5 Aldrin

R.T.: 5.292 min
Delta R.T.: -0.006 min
Response: 21213351
Conc: 4.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

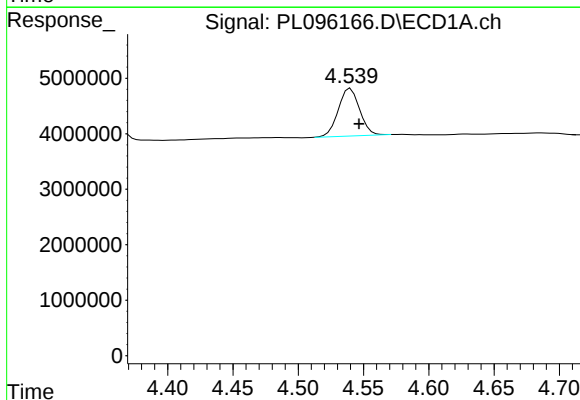
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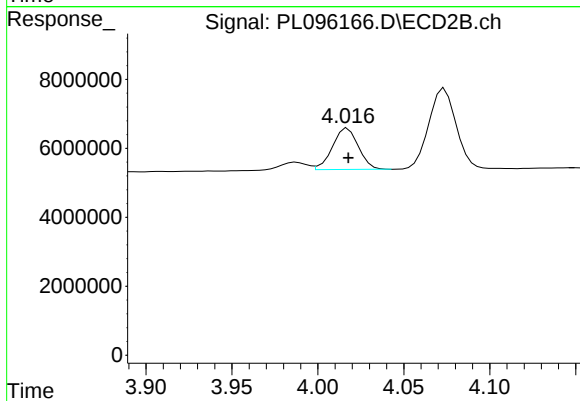
#5 Aldrin

R.T.: 4.358 min
Delta R.T.: 0.000 min
Response: 23880259
Conc: 4.04 ng/ml



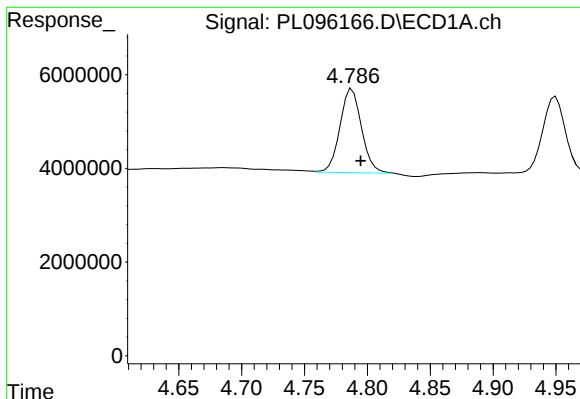
#6 beta-BHC

R.T.: 4.540 min
Delta R.T.: -0.007 min
Response: 9732981
Conc: 4.55 ng/ml



#6 beta-BHC

R.T.: 4.016 min
Delta R.T.: -0.002 min
Response: 12457649
Conc: 4.52 ng/ml m



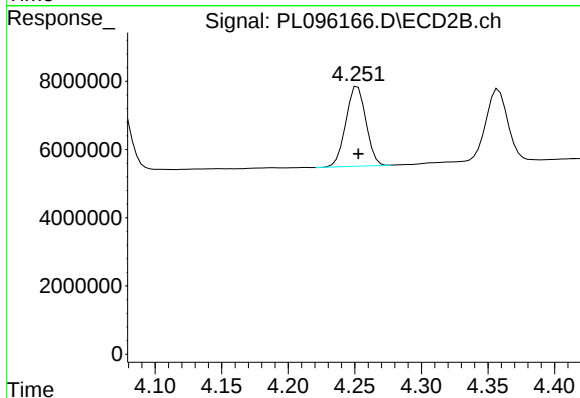
#7 delta-BHC

R.T.: 4.786 min
Delta R.T.: -0.008 min
Response: 21316974
Conc: 4.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

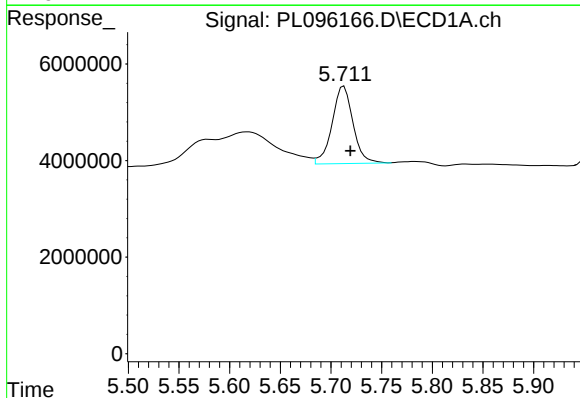
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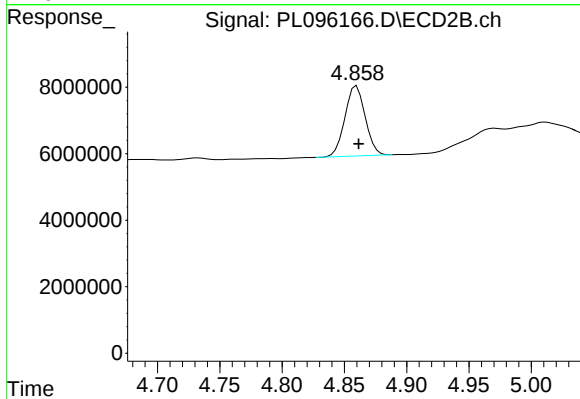
#7 delta-BHC

R.T.: 4.252 min
Delta R.T.: 0.000 min
Response: 24536824
Conc: 3.90 ng/ml



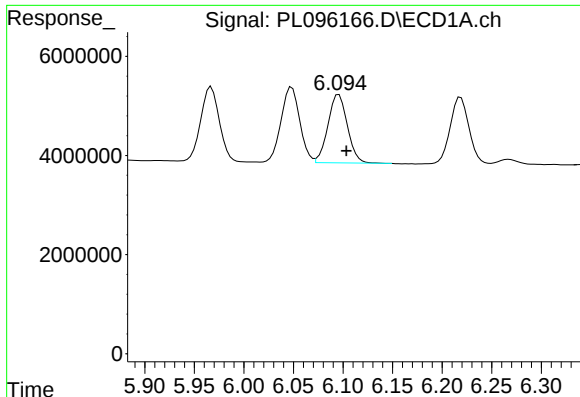
#8 Heptachlor epoxide

R.T.: 5.713 min
Delta R.T.: -0.006 min
Response: 22973860
Conc: 5.24 ng/ml



#8 Heptachlor epoxide

R.T.: 4.860 min
Delta R.T.: -0.002 min
Response: 23987128
Conc: 4.18 ng/ml



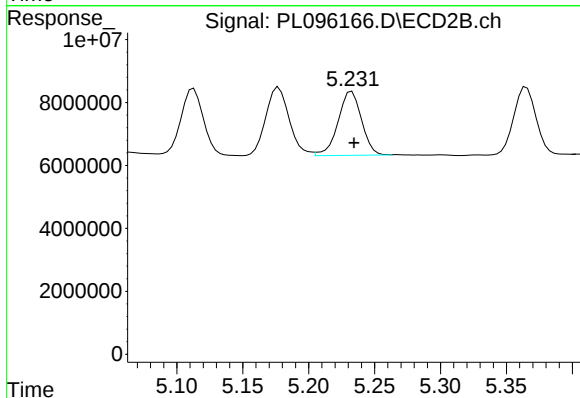
#9 Endosulfan I

R.T.: 6.096 min
Delta R.T.: -0.008 min
Response: 18811637
Conc: 4.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

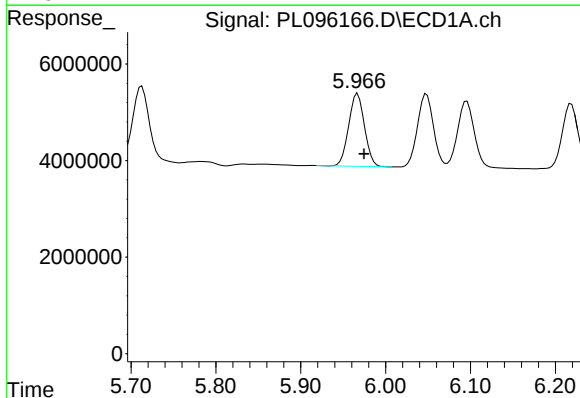
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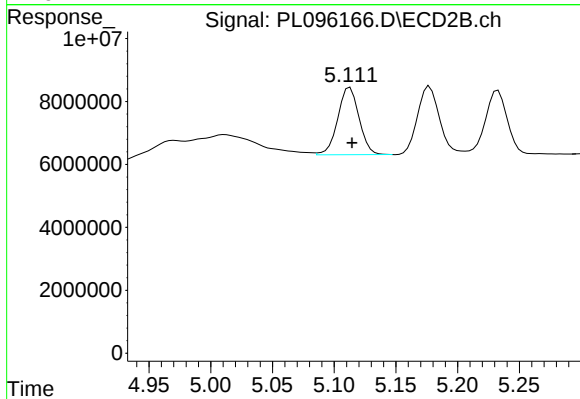
#9 Endosulfan I

R.T.: 5.231 min
Delta R.T.: -0.003 min
Response: 25155594
Conc: 4.23 ng/ml m



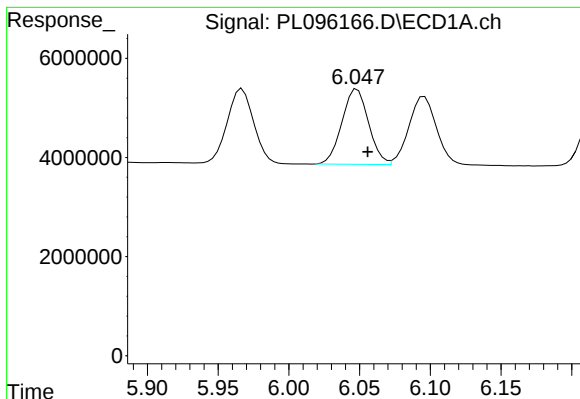
#10 gamma-Chlordane

R.T.: 5.967 min
Delta R.T.: -0.008 min
Response: 19526394
Conc: 4.49 ng/ml



#10 gamma-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.003 min
Response: 25597934
Conc: 4.25 ng/ml m



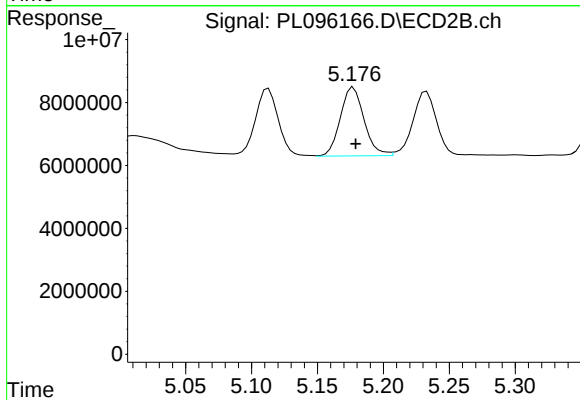
#11 alpha-Chlordane

R.T.: 6.048 min
Delta R.T.: -0.007 min
Response: 19937342
Conc: 4.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

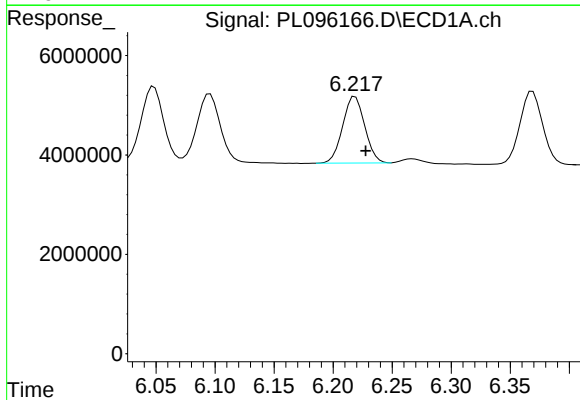
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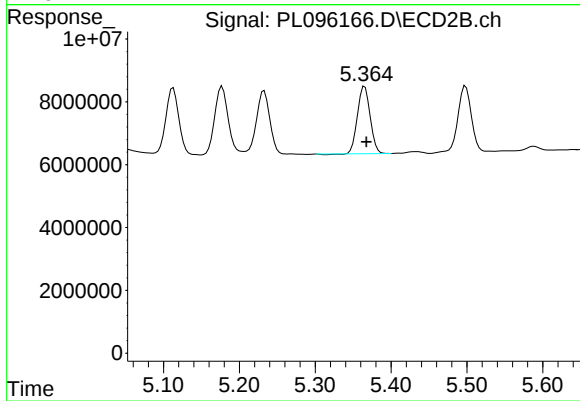
#11 alpha-Chlordane

R.T.: 5.176 min
Delta R.T.: -0.003 min
Response: 27528053
Conc: 4.46 ng/ml m



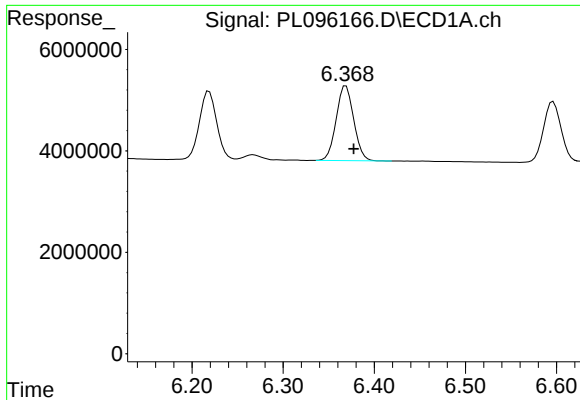
#12 4,4'-DDE

R.T.: 6.219 min
Delta R.T.: -0.009 min
Response: 17386028
Conc: 4.35 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.002 min
Response: 24768065
Conc: 4.21 ng/ml



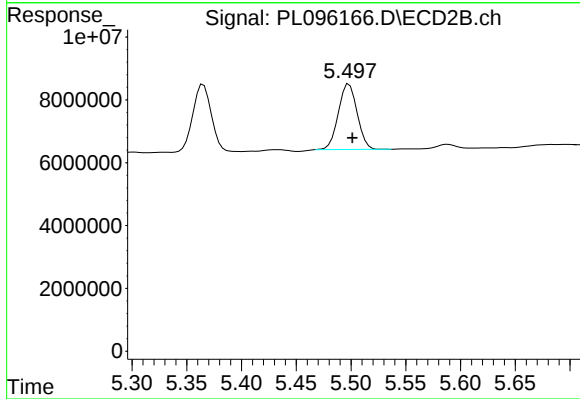
#13 Dieldrin

R.T.: 6.369 min
Delta R.T.: -0.009 min
Response: 19708060
Conc: 4.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

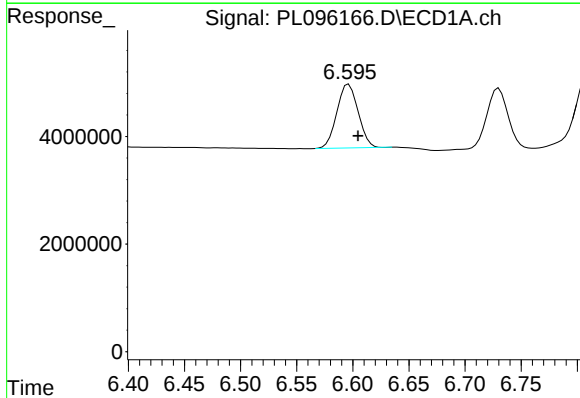
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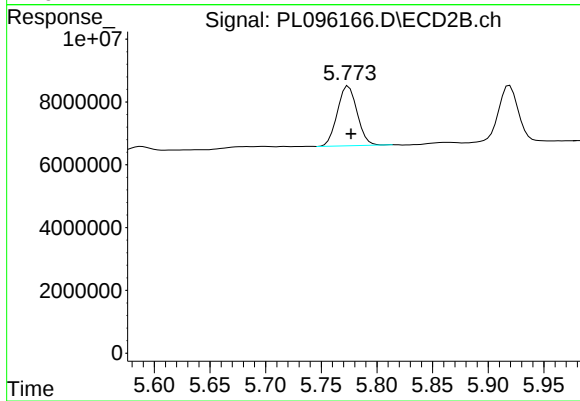
#13 Dieldrin

R.T.: 5.498 min
Delta R.T.: -0.003 min
Response: 24963175
Conc: 4.21 ng/ml



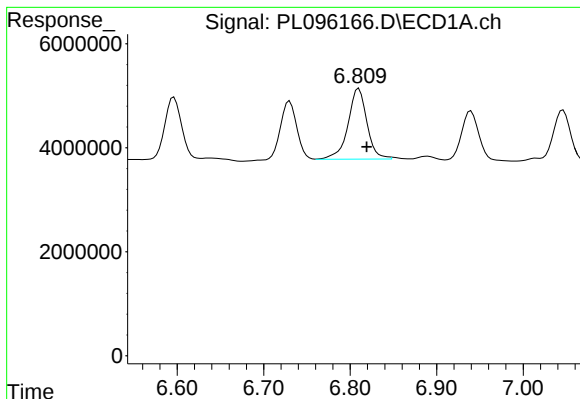
#14 Endrin

R.T.: 6.596 min
Delta R.T.: -0.008 min
Response: 15654129
Conc: 4.39 ng/ml



#14 Endrin

R.T.: 5.774 min
Delta R.T.: -0.002 min
Response: 23549861
Conc: 4.31 ng/ml



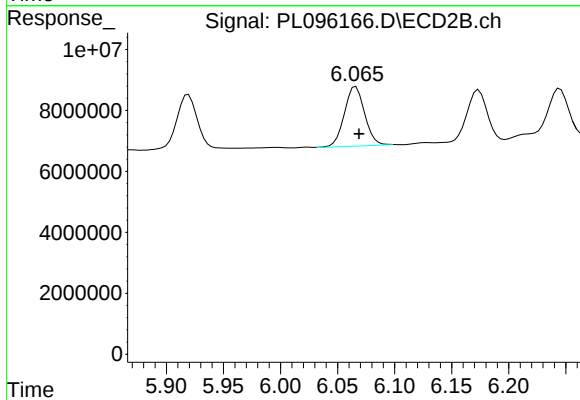
#15 Endosulfan II

R.T.: 6.809 min
Delta R.T.: -0.010 min
Response: 20706370
Conc: 5.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

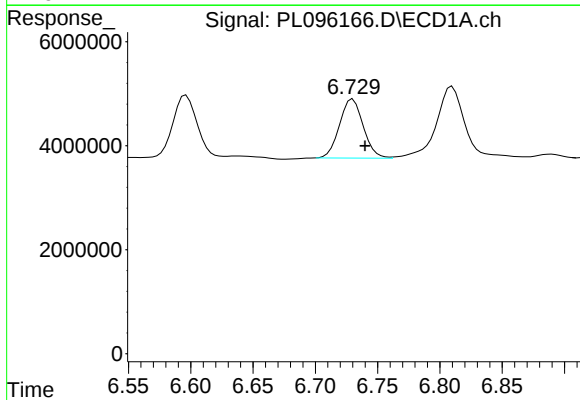
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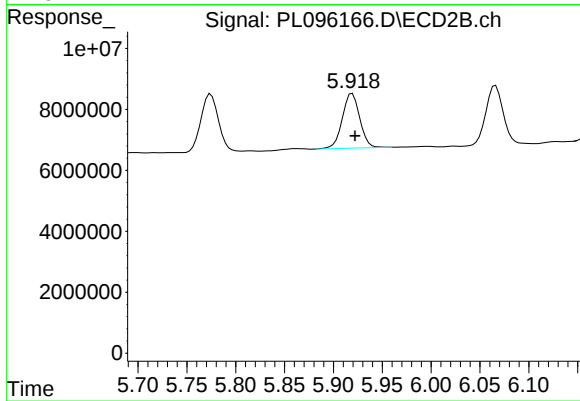
#15 Endosulfan II

R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 24162429
Conc: 4.52 ng/ml m



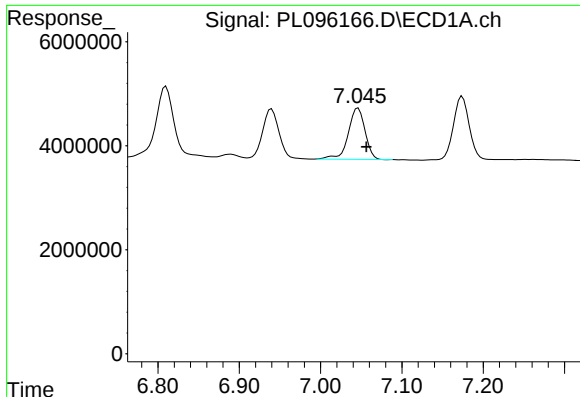
#16 4,4'-DDD

R.T.: 6.730 min
Delta R.T.: -0.010 min
Response: 15129946
Conc: 4.60 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.003 min
Response: 22308609
Conc: 4.63 ng/ml



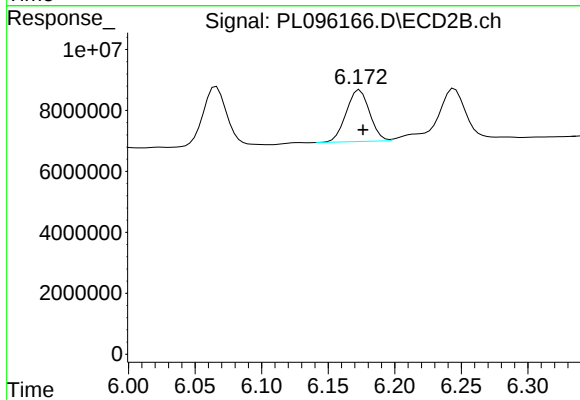
#17 4,4'-DDT

R.T.: 7.046 min
Delta R.T.: -0.010 min
Response: 14098067
Conc: 4.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

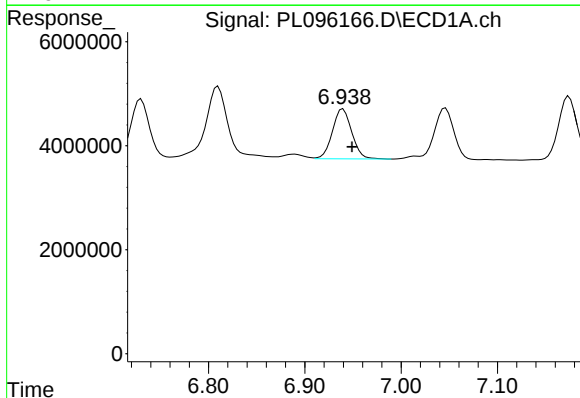
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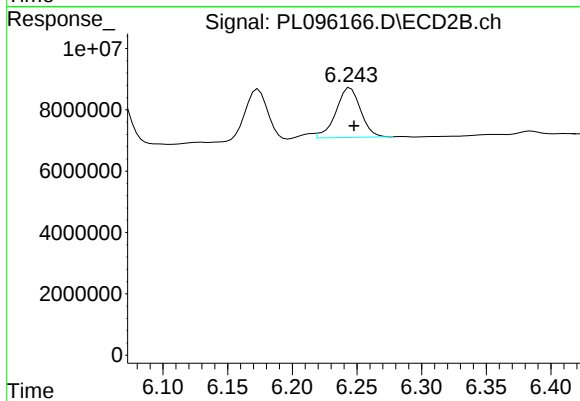
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 20726347
Conc: 3.78 ng/ml



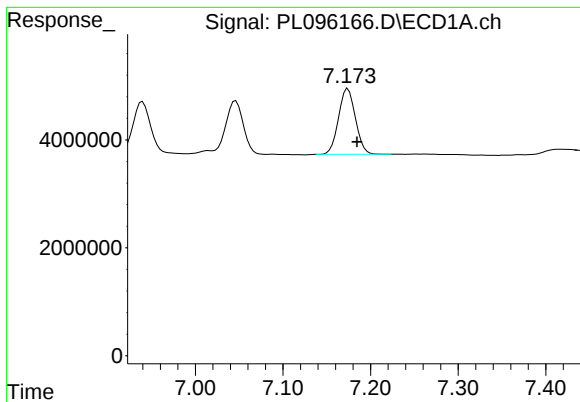
#18 Endrin aldehyde

R.T.: 6.940 min
Delta R.T.: -0.010 min
Response: 13377619
Conc: 5.10 ng/ml



#18 Endrin aldehyde

R.T.: 6.243 min
Delta R.T.: -0.004 min
Response: 21302630
Conc: 5.10 ng/ml m



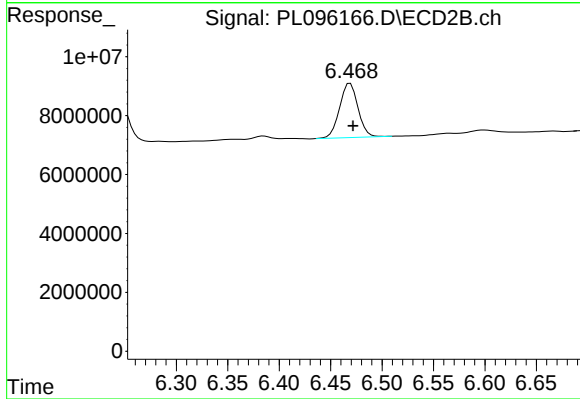
#19 Endosulfan Sulfate

R.T.: 7.174 min
Delta R.T.: -0.010 min
Response: 16307897
Conc: 4.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

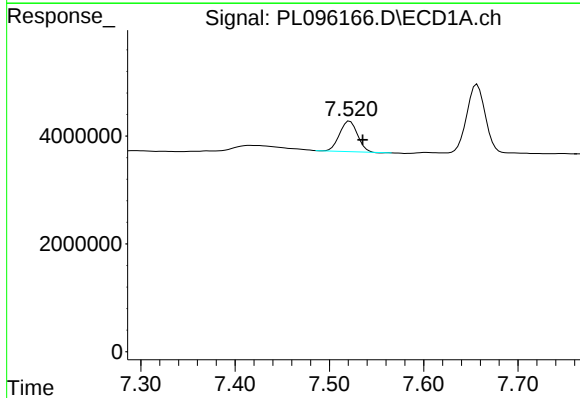
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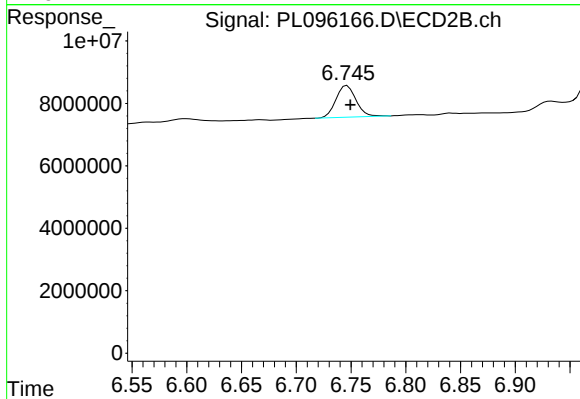
#19 Endosulfan Sulfate

R.T.: 6.469 min
Delta R.T.: -0.003 min
Response: 23115727
Conc: 4.51 ng/ml



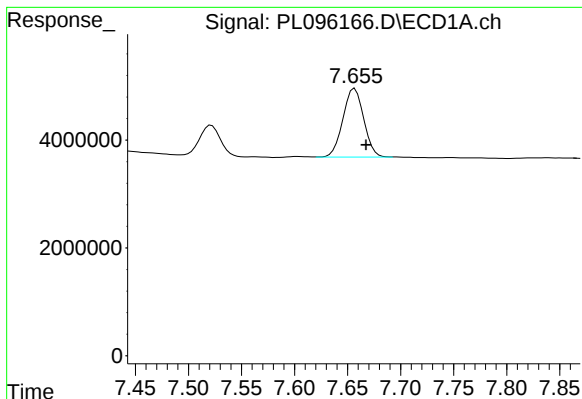
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.014 min
Response: 7465746
Conc: 4.53 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.003 min
Response: 12910077
Conc: 4.40 ng/ml



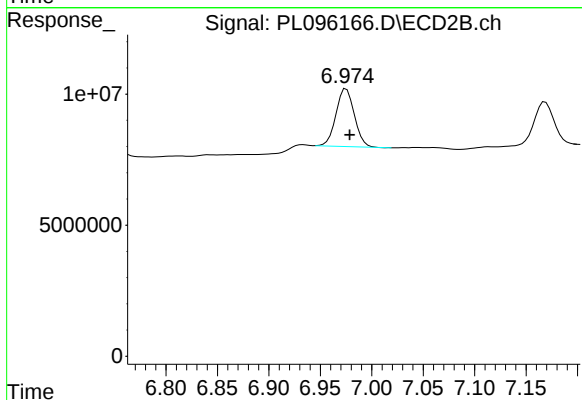
#21 Endrin ketone

R.T.: 7.655 min
Delta R.T.: -0.012 min
Response: 17343108
Conc: 4.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

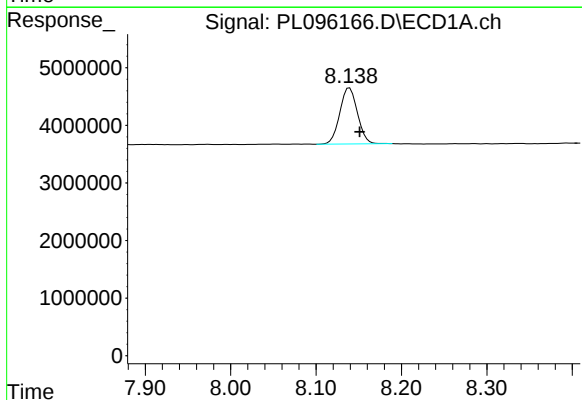
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



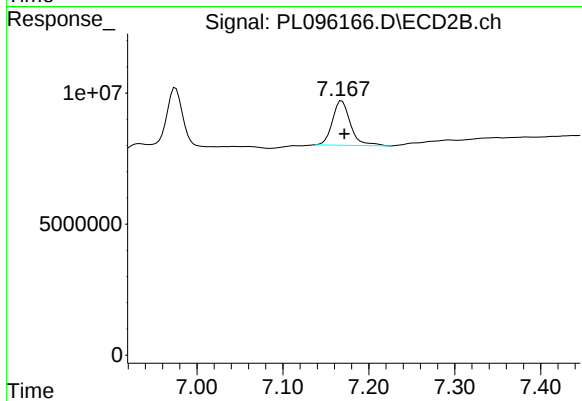
#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.003 min
Response: 27266383
Conc: 4.56 ng/ml



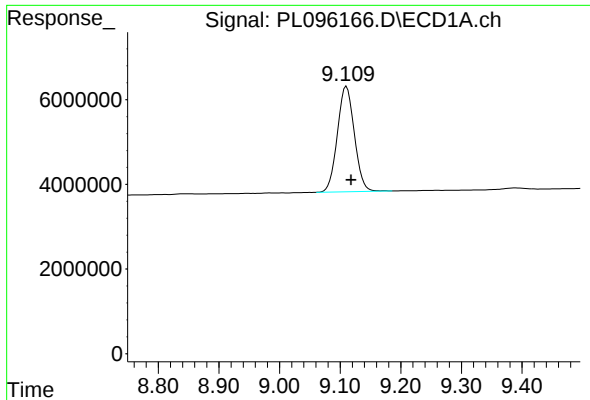
#22 Mirex

R.T.: 8.139 min
Delta R.T.: -0.012 min
Response: 13996306
Conc: 5.12 ng/ml



#22 Mirex

R.T.: 7.169 min
Delta R.T.: -0.003 min
Response: 24771152
Conc: 5.18 ng/ml



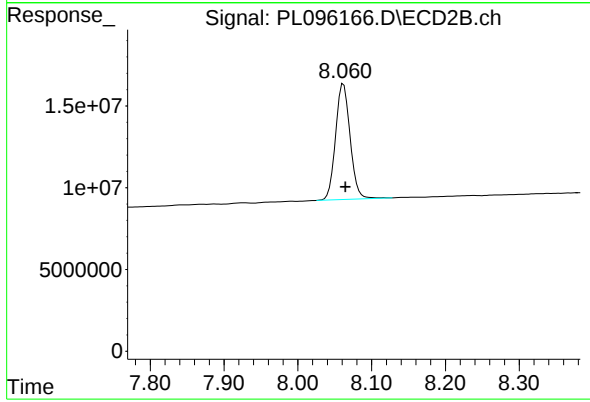
#28 Decachlorobiphenyl

R.T.: 9.110 min
Delta R.T.: -0.008 min
Response: 48427918
Conc: 18.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 97082343
Conc: 18.04 ng/ml