

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071025\
 Data File : PL096299.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jul 2025 12:01
 Operator : AR\AJ
 Sample : Q2126-03
 Misc : MDL PEST 1PPB
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MDL-SOIL-03-QT2-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 23:00:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 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...	3.537	2.827	65710667	97460400	18.008	16.887
28)	SA Decachlor...	9.024	7.997	54393097	89022340	19.336	17.853
Target Compounds							
2)	A alpha-BHC	3.984	3.332	4325460	6624196	0.841	0.785
3)	MA gamma-BHC...	4.313	3.665	3609599	6513962	0.725	0.827
4)	MA Heptachlor	4.906	4.015	3863114	6453819	0.843	0.848
5)	MB Aldrin	5.245	4.298	4461462	5943556	0.923m	0.815
6)	B beta-BHC	4.498	3.960	2269984	3396535	1.092m	0.992m
7)	B delta-BHC	4.745	4.195	5660152	6486292	1.263m	0.842 #
8)	B Heptachlo...	5.664	4.800	4523686	6675945	1.090m	0.999m
9)	A Endosulfan I	6.047	5.172	4304352	6100063	1.066m	0.850
10)	B gamma-Chl...	5.918	5.053	4286712	6491484	0.969m	0.925
11)	B alpha-Chl...	5.999	5.117	4630064	6492925	1.057m	0.863
12)	B 4,4'-DDE	6.169	5.306	3487245	5294510	0.941m	0.819
13)	MA Dieldrin	6.320	5.437	4016892	6037771	0.950	0.885
14)	MA Endrin	6.546	5.712	3764194	5210327	1.210m	0.855 #
15)	B Endosulfa...	6.757	6.004	4671200	5792008	1.346m	0.988 #
16)	A 4,4'-DDD	6.678	5.858	2969839	5230364	1.020m	1.020m
17)	MA 4,4'-DDT	6.992	6.113	2867285	6320438	0.945m	1.102
18)	B Endrin al...	6.887	6.180	2838550	6612476	1.270m	1.484m
19)	B Endosulfa...	7.120	6.405	3453172	5666985	1.129m	1.008
20)	A Methoxychlor	7.469	6.684	1979213	2855458	1.256m	0.940m#
21)	B Endrin ke...	7.602	6.909	3796587	6794356	1.150	1.087m
22)	Mirex	8.081	7.102	3285139	5935280	1.181m	1.195

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071025\
Data File : PL096299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 12:01
Operator : AR\AJ
Sample : Q2126-03
Misc : MDL PEST 1PPB
ALS Vial : 6 Sample Multiplier: 1

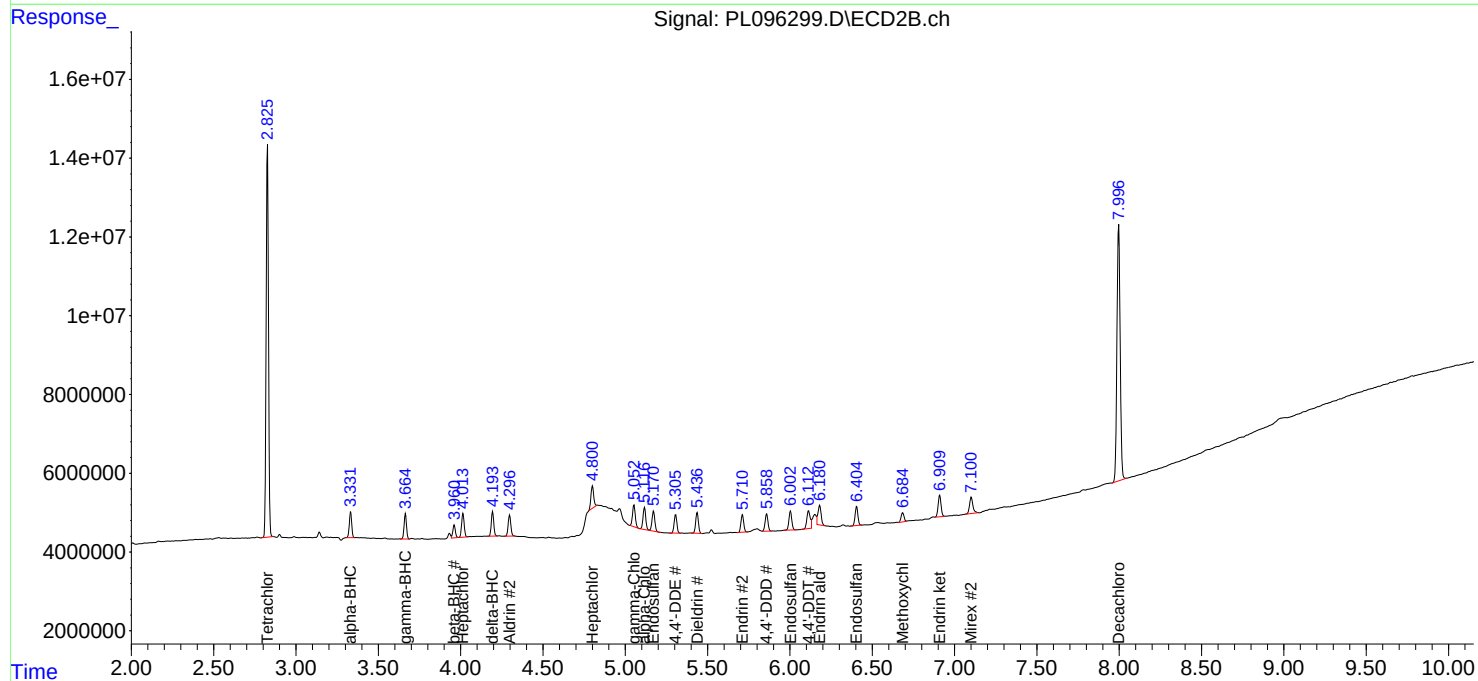
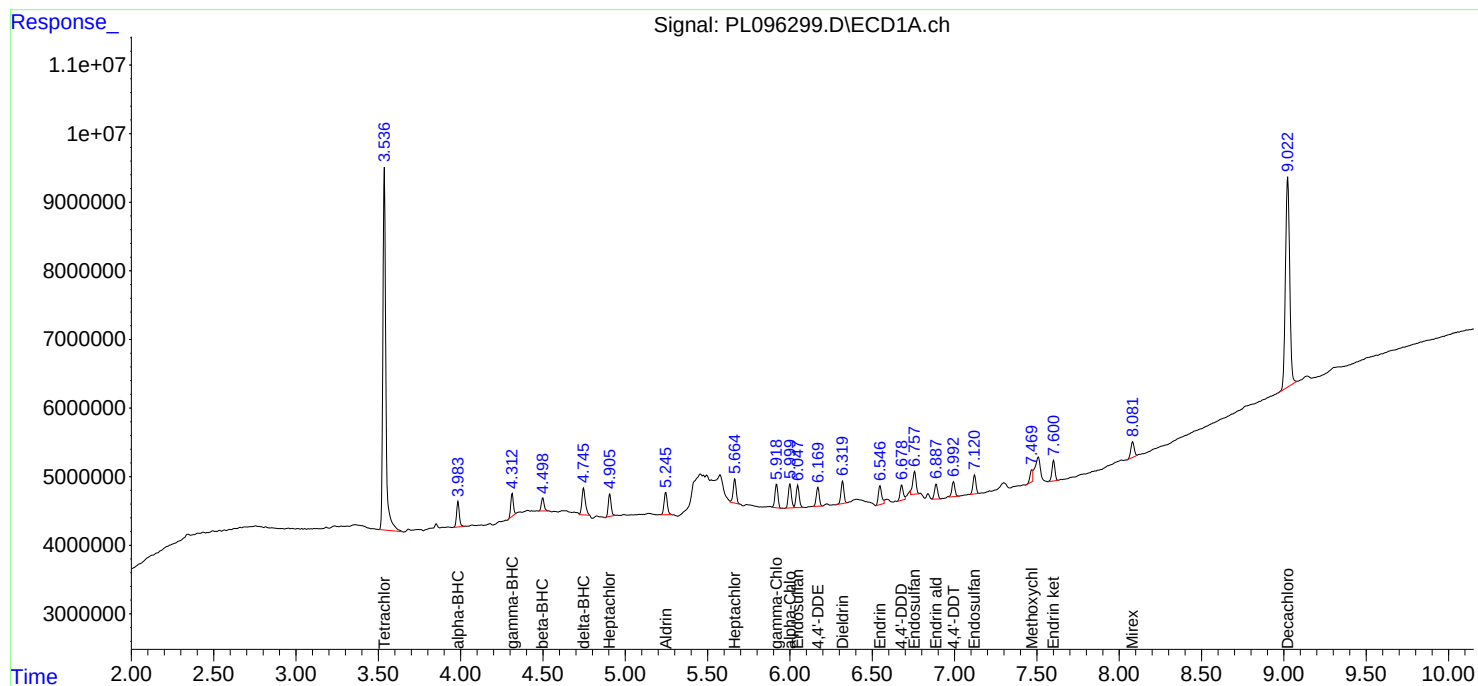
Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

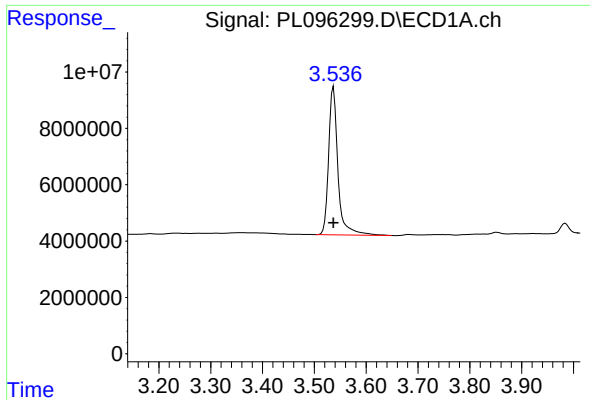
Manual Integrations
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Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:00:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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





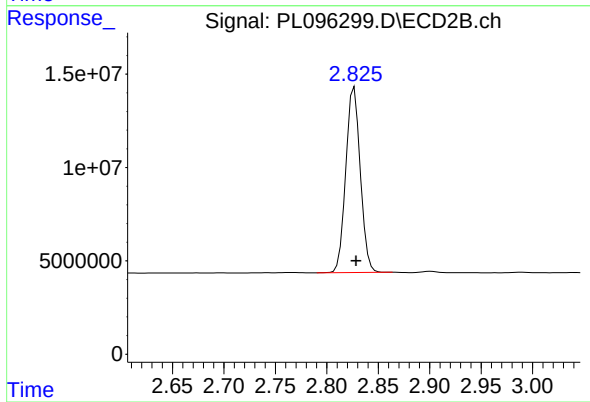
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 65710667
Conc: 18.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

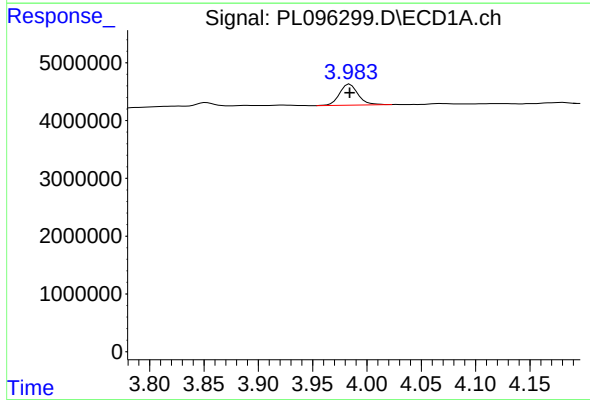
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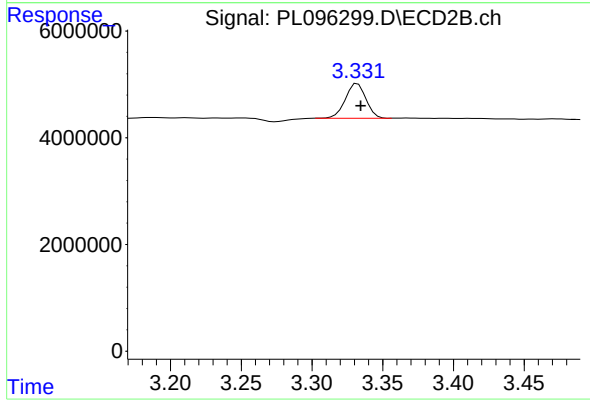
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.002 min
Response: 97460400
Conc: 16.89 ng/ml



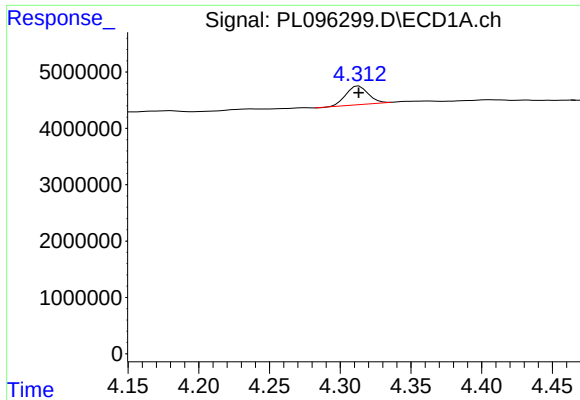
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 4325460
Conc: 0.84 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.002 min
Response: 6624196
Conc: 0.79 ng/ml



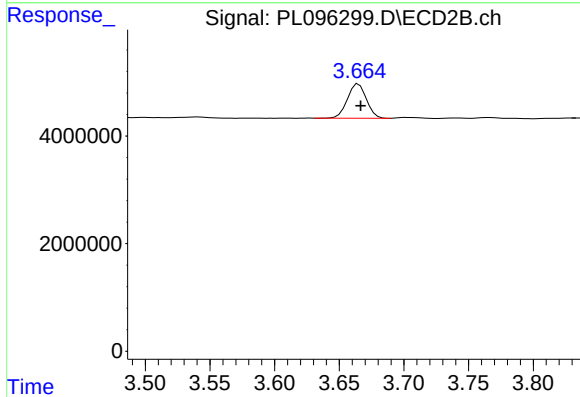
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 3609599
Conc: 0.72 ng/ml

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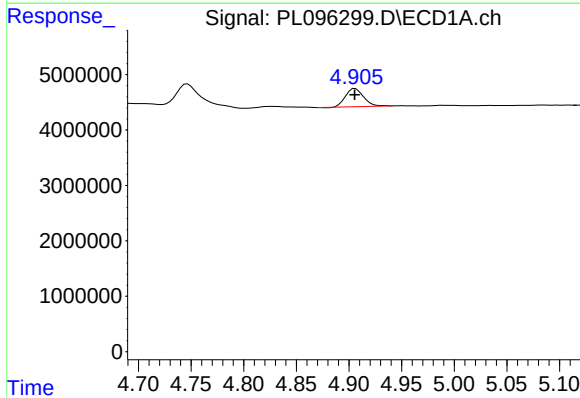
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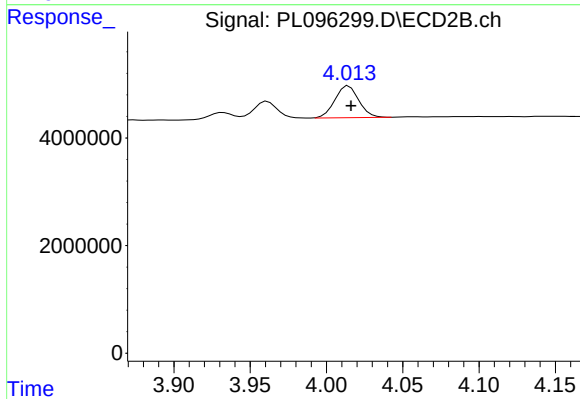
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 6513962
Conc: 0.83 ng/ml



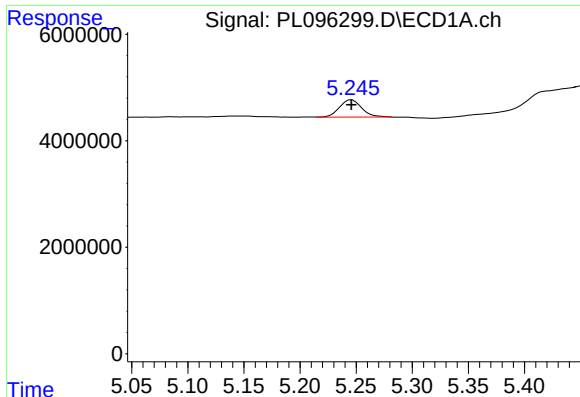
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 3863114
Conc: 0.84 ng/ml



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 6453819
Conc: 0.85 ng/ml



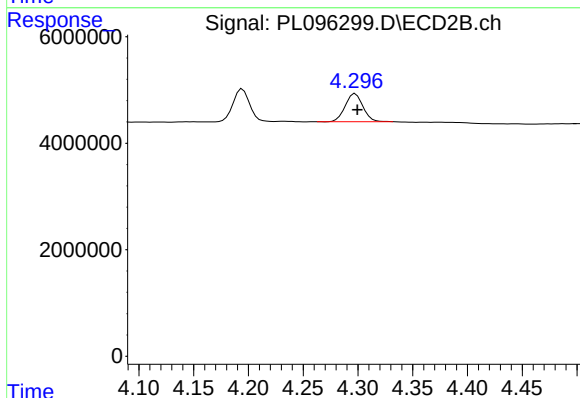
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: 0.000 min
Response: 4461462
Conc: 0.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

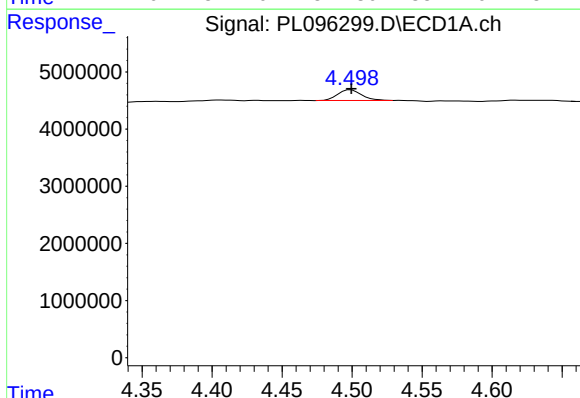
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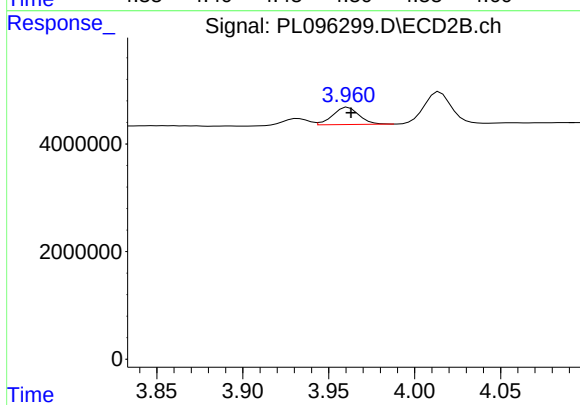
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 5943556
Conc: 0.81 ng/ml



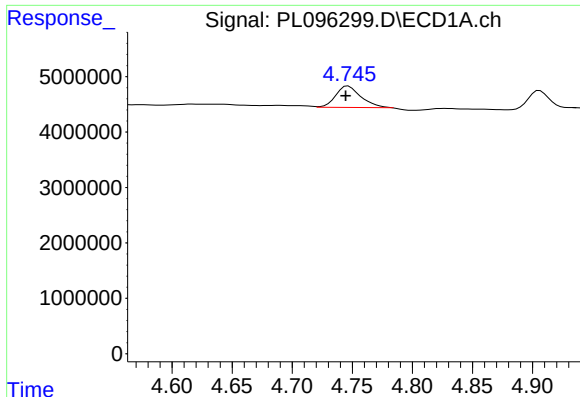
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 2269984
Conc: 1.09 ng/ml m



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 3396535
Conc: 0.99 ng/ml m



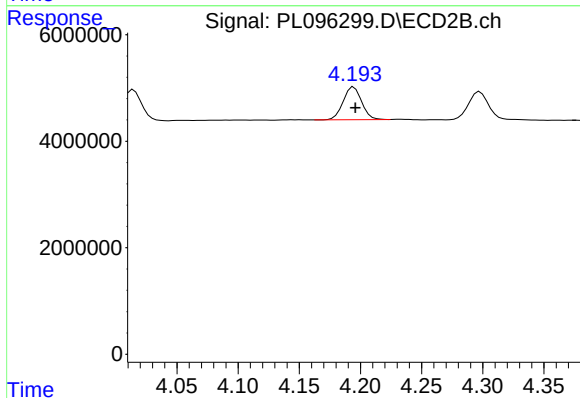
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 5660152
Conc: 1.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

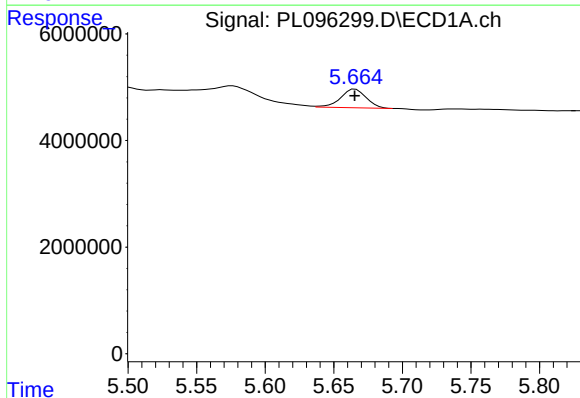
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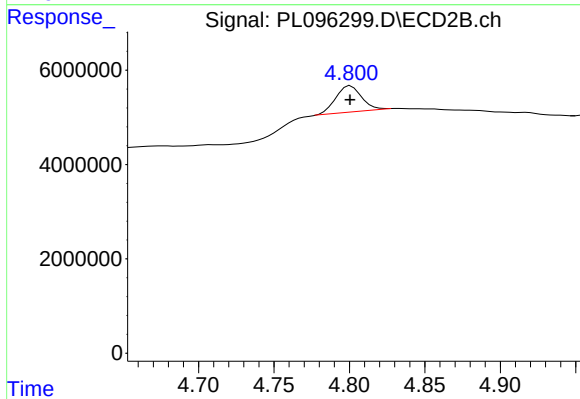
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: -0.001 min
Response: 6486292
Conc: 0.84 ng/ml



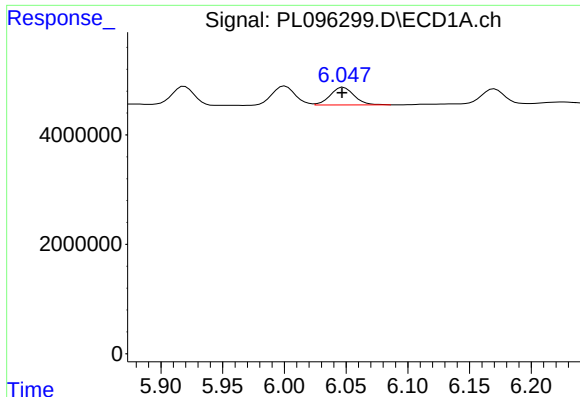
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 4523686
Conc: 1.09 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 6675945
Conc: 1.00 ng/ml m



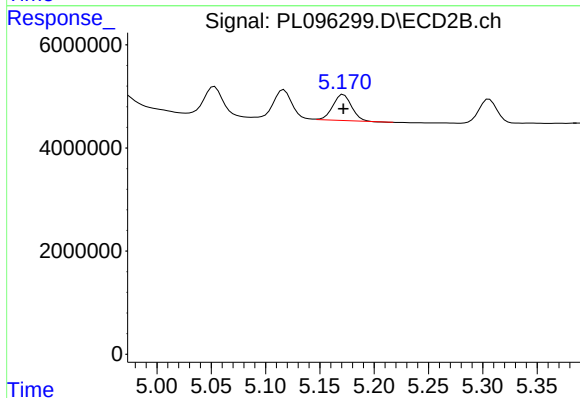
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 4304352
Conc: 1.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

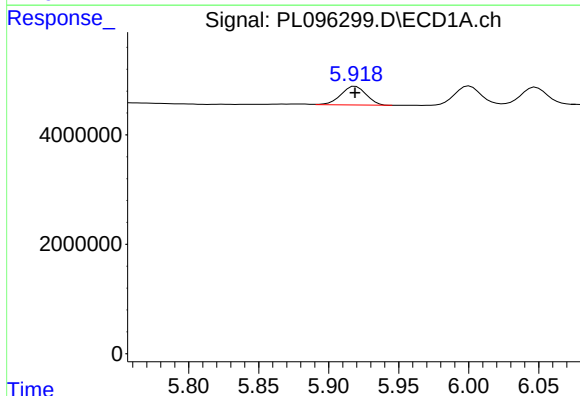
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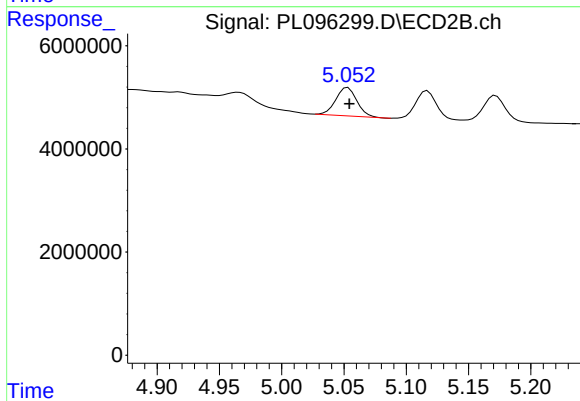
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 6100063
Conc: 0.85 ng/ml



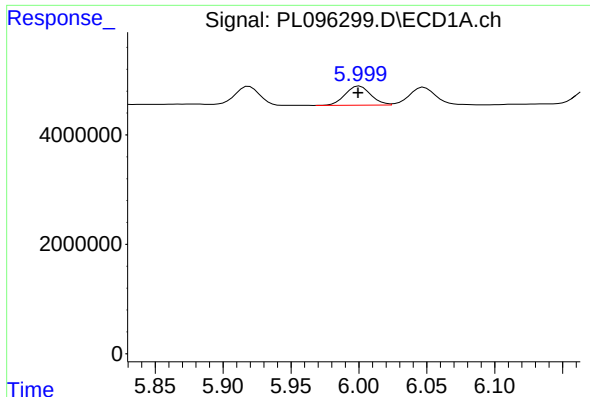
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 4286712
Conc: 0.97 ng/ml m



#10 gamma-Chlordane

R.T.: 5.053 min
Delta R.T.: -0.001 min
Response: 6491484
Conc: 0.92 ng/ml



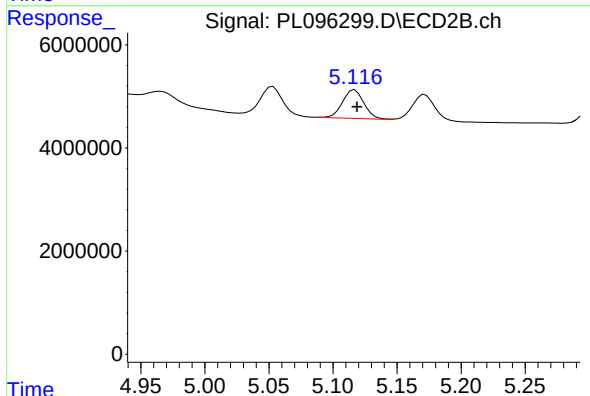
#11 alpha-Chlordane

R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 4630064
Conc: 1.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

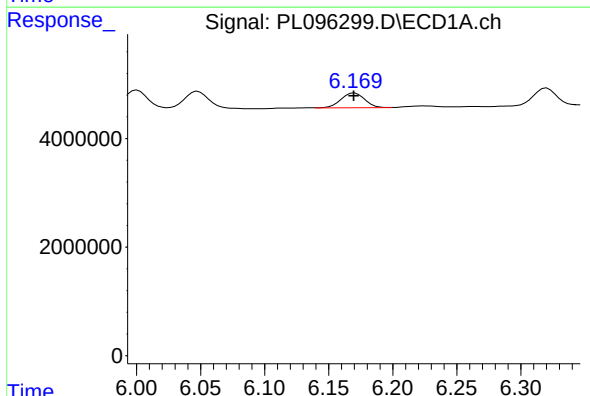
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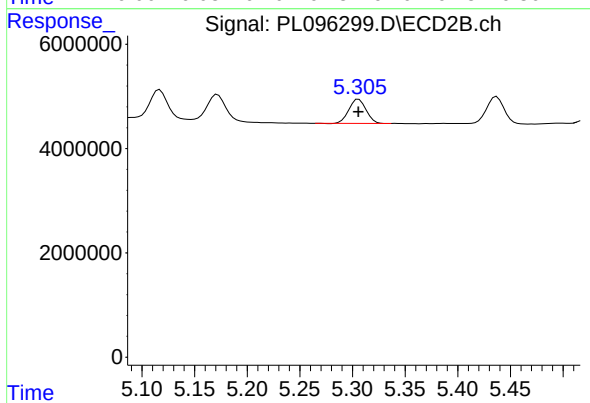
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 6492925
Conc: 0.86 ng/ml



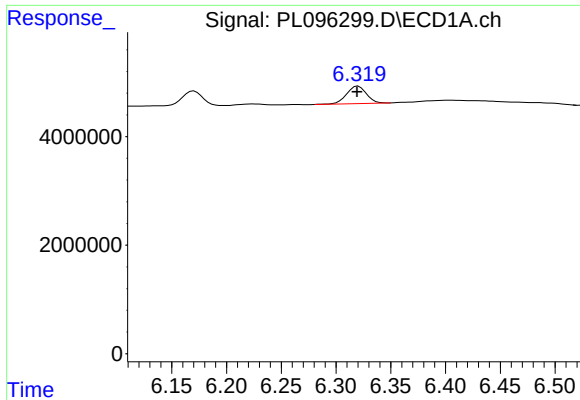
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 3487245
Conc: 0.94 ng/ml m



#12 4,4'-DDE

R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 5294510
Conc: 0.82 ng/ml



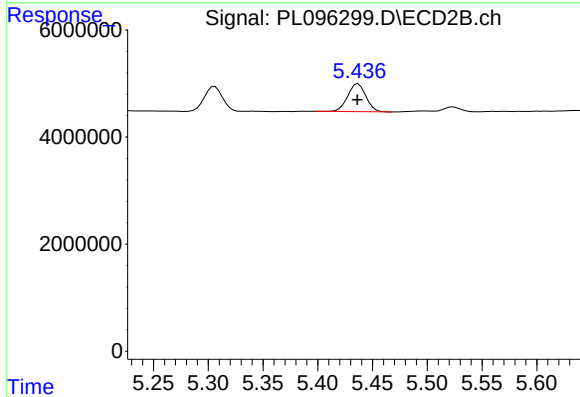
#13 Dieldrin

R.T.: 6.320 min
Delta R.T.: 0.001 min
Response: 4016892
Conc: 0.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

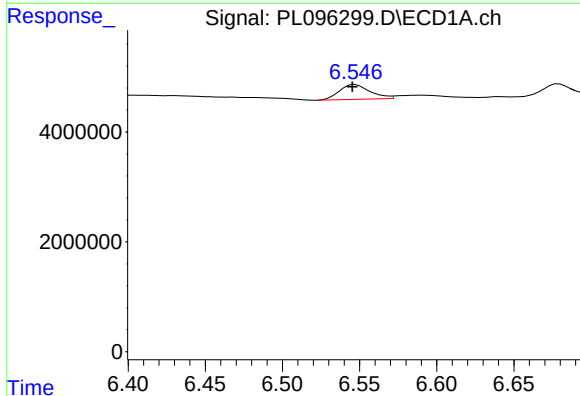
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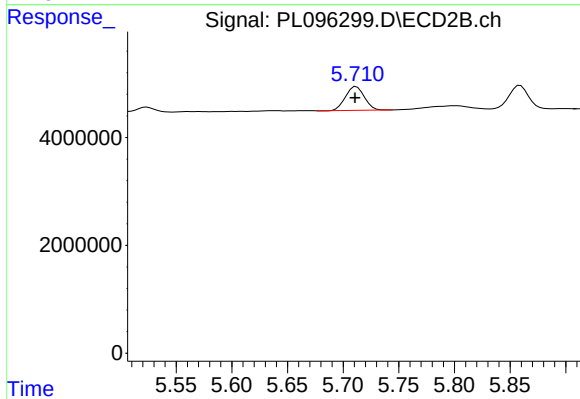
#13 Dieldrin

R.T.: 5.437 min
Delta R.T.: 0.000 min
Response: 6037771
Conc: 0.89 ng/ml



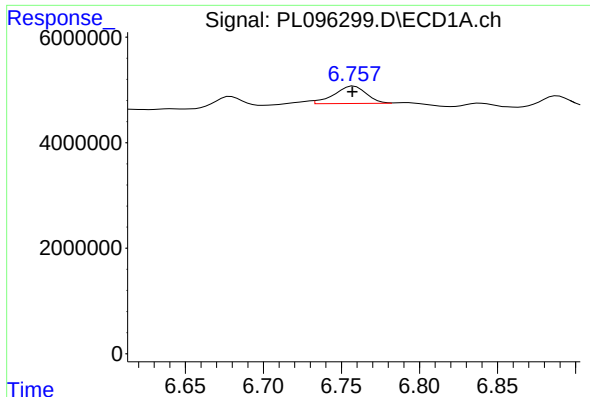
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.000 min
Response: 3764194
Conc: 1.21 ng/ml m



#14 Endrin

R.T.: 5.712 min
Delta R.T.: 0.001 min
Response: 5210327
Conc: 0.85 ng/ml



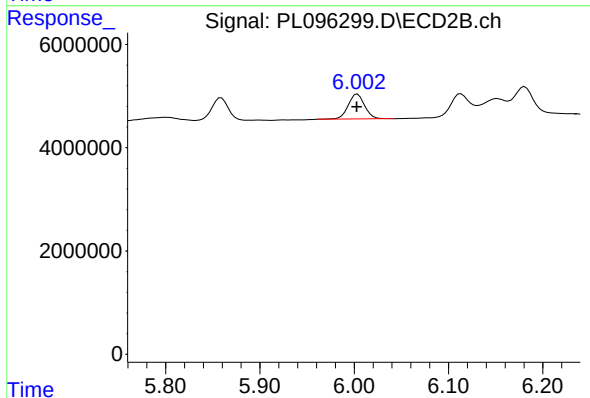
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 4671200
Conc: 1.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

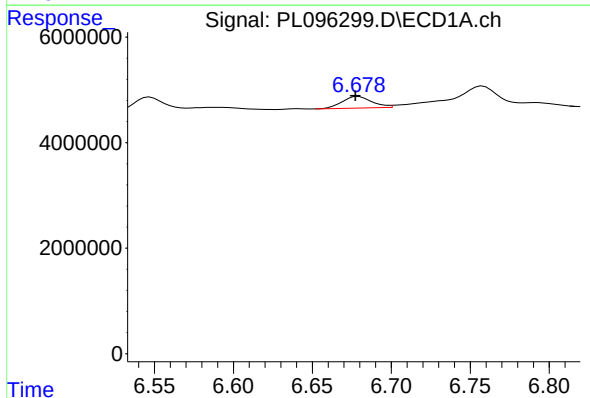
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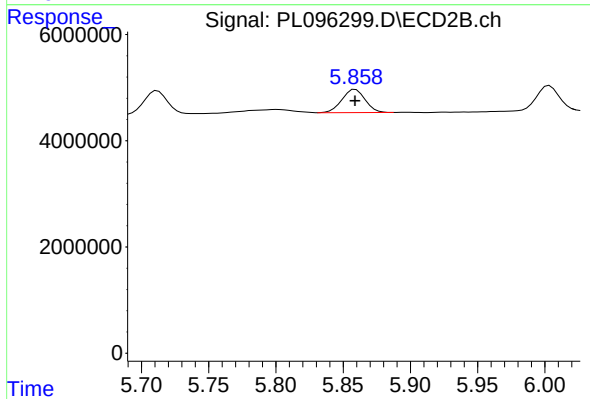
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.000 min
Response: 5792008
Conc: 0.99 ng/ml



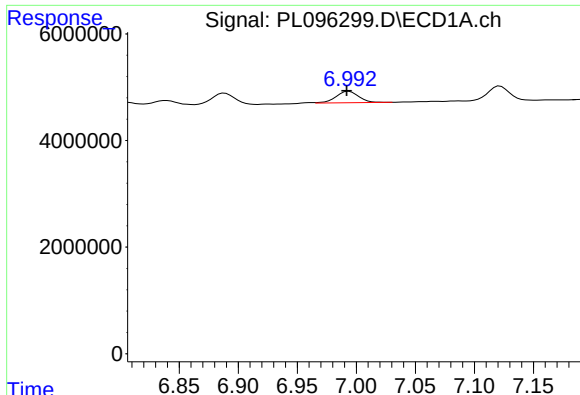
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 2969839
Conc: 1.02 ng/ml m



#16 4,4'-DDD

R.T.: 5.858 min
Delta R.T.: -0.001 min
Response: 5230364
Conc: 1.02 ng/ml m



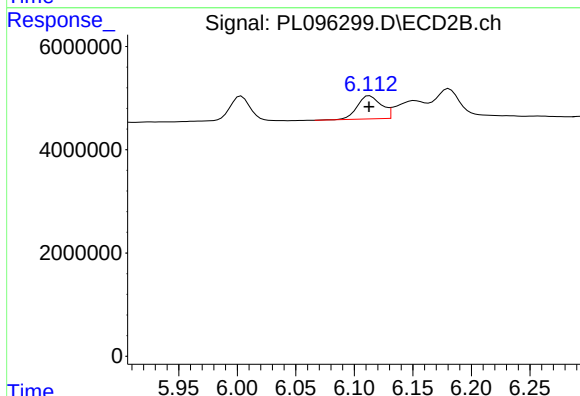
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 2867285
Conc: 0.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

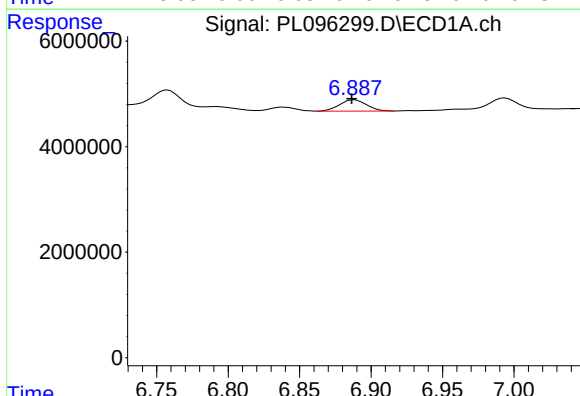
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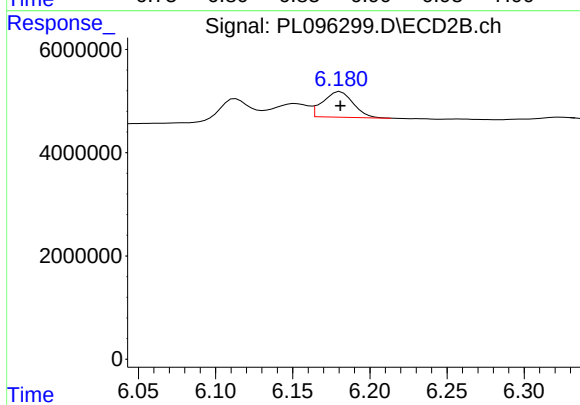
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 6320438
Conc: 1.10 ng/ml



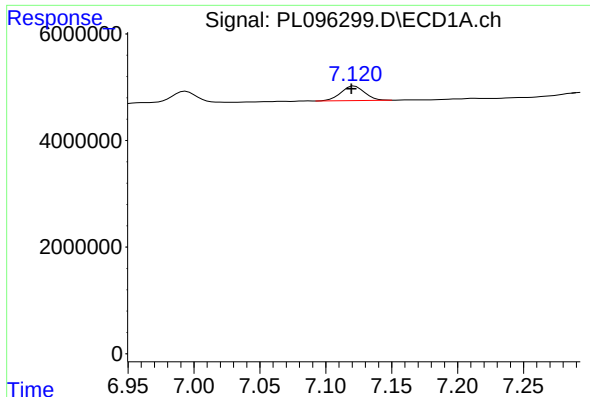
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 2838550
Conc: 1.27 ng/ml m



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: -0.001 min
Response: 6612476
Conc: 1.48 ng/ml m



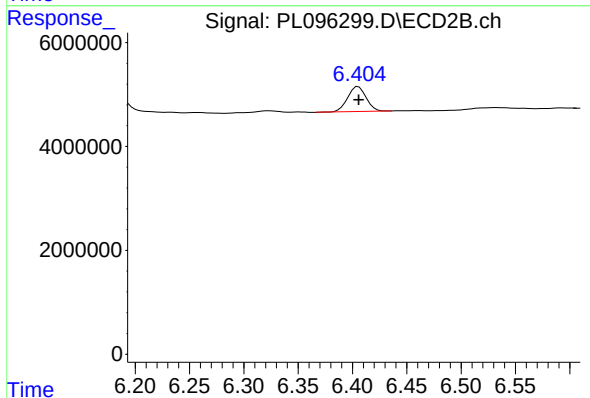
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 3453172
Conc: 1.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

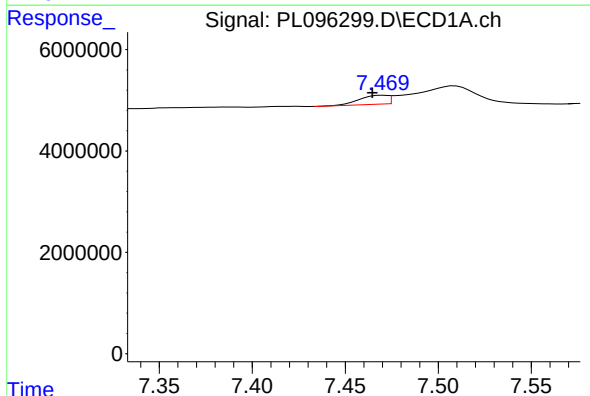
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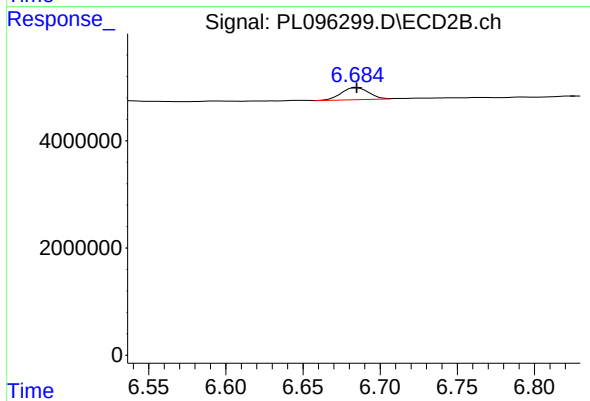
#19 Endosulfan Sulfate

R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 5666985
Conc: 1.01 ng/ml



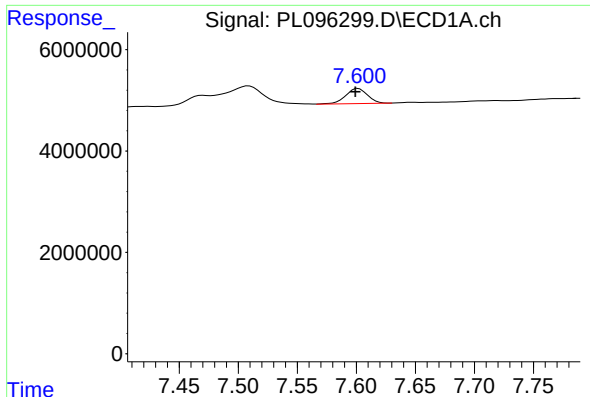
#20 Methoxychlor

R.T.: 7.469 min
Delta R.T.: 0.004 min
Response: 1979213
Conc: 1.26 ng/ml m



#20 Methoxychlor

R.T.: 6.684 min
Delta R.T.: -0.001 min
Response: 2855458
Conc: 0.94 ng/ml m



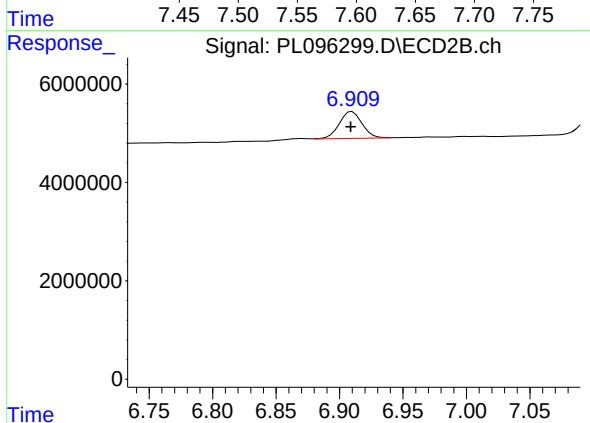
#21 Endrin ketone

R.T.: 7.602 min
Delta R.T.: 0.002 min
Response: 3796587
Conc: 1.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
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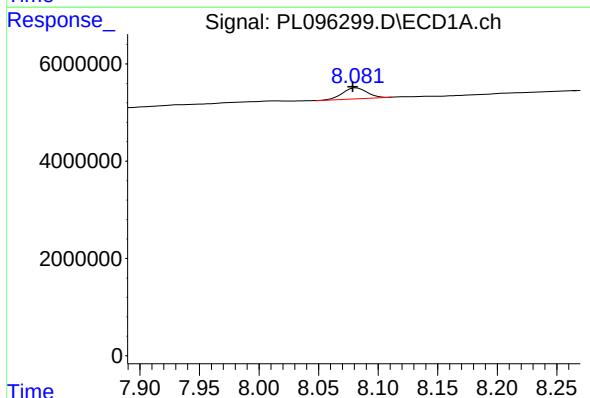
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



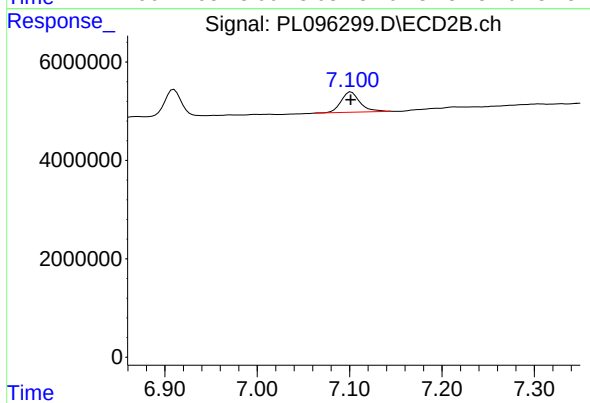
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 6794356
Conc: 1.09 ng/ml m



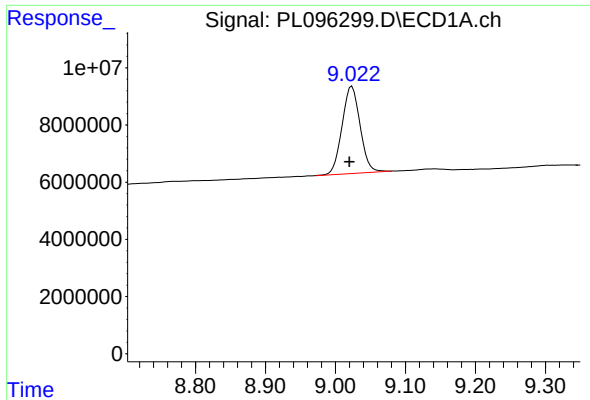
#22 Mirex

R.T.: 8.081 min
Delta R.T.: 0.002 min
Response: 3285139
Conc: 1.18 ng/ml m



#22 Mirex

R.T.: 7.102 min
Delta R.T.: 0.000 min
Response: 5935280
Conc: 1.19 ng/ml



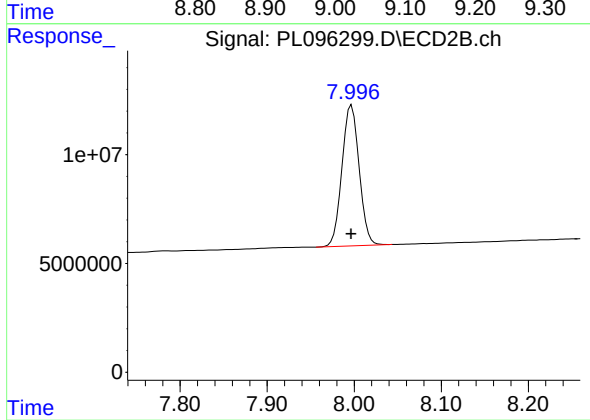
#28 Decachlorobiphenyl

R.T.: 9.024 min
Delta R.T.: 0.004 min
Response: 54393097
Conc: 19.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

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#28 Decachlorobiphenyl

R.T.: 7.997 min
Delta R.T.: 0.000 min
Response: 89022340
Conc: 17.85 ng/ml