

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070925\
 Data File : PL096284.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jul 2025 11:46
 Operator : AR\AJ
 Sample : Q2126-03
 Misc : MDL PEST 1PPB
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/10/2025
 Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 06:39:32 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	2.826	64445814	104.0E6	17.661	18.028
28)	SA Decachlor...	9.023	7.996	54779747	93391104	19.473	18.729
Target Compounds							
2)	A alpha-BHC	3.983	3.332	3736501	6399489	0.727m	0.759
3)	MA gamma-BHC...	4.314	3.665	4225637	6080726	0.849	0.772
4)	MA Heptachlor	4.905	4.014	4400732	6367733	0.961m	0.837
5)	MB Aldrin	5.244	4.297	4027608	5899550	0.833m	0.809
6)	B beta-BHC	4.497	3.960	1979107	3261883	0.952m	0.953m
7)	B delta-BHC	4.744	4.195	5180125	6532414	1.156m	0.848 #
8)	B Heptachlo...	5.663	4.801	3972002	7803338	0.957m	1.167
9)	A Endosulfan I	6.046	5.172	3935908	6291355	0.975m	0.877
10)	B gamma-Chl...	5.917	5.053	4080088	6503568	0.922m	0.926
11)	B alpha-Chl...	5.998	5.117	4475861	6351973	1.022m	0.845
12)	B 4,4'-DDE	6.168	5.306	3069956	5265968	0.828m	0.815
13)	MA Dieldrin	6.318	5.437	4098756	6223337	0.969m	0.913
14)	MA Endrin	6.545	5.711	3973106	5545009	1.277m	0.910 #
15)	B Endosulfa...	6.756	6.003	4308078	6072982	1.242m	1.036
16)	A 4,4'-DDD	6.677	5.857	2985573	5493035	1.025m	1.071m
17)	MA 4,4'-DDT	6.992	6.113	2681234	7929972	0.883m	1.383 #
18)	B Endrin al...	6.886	6.180	2738268	9035469	1.225m	2.028 #
19)	B Endosulfa...	7.119	6.405	3504308	5923269	1.146m	1.053
20)	A Methoxychlor	7.473	6.683	2628687	3138635	1.669m	1.033m#
21)	B Endrin ke...	7.601	6.908	3399583	7260117	1.030	1.161m
22)	Mirex	8.080	7.099	3012557	5155612	1.083m	1.038m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL070925\
Data File : PL096284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 11:46
Operator : AR\AJ
Sample : Q2126-03
Misc : MDL PEST 1PPB
ALS Vial : 9 Sample Multiplier: 1

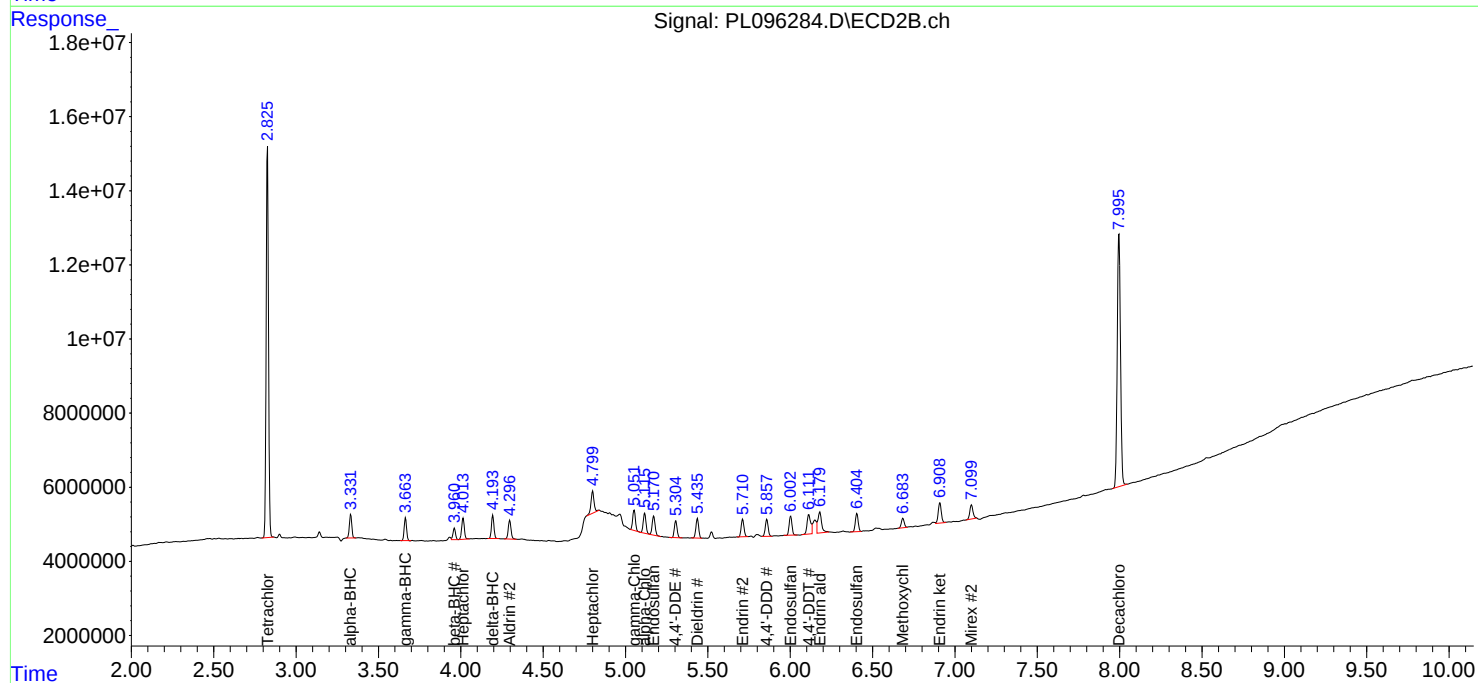
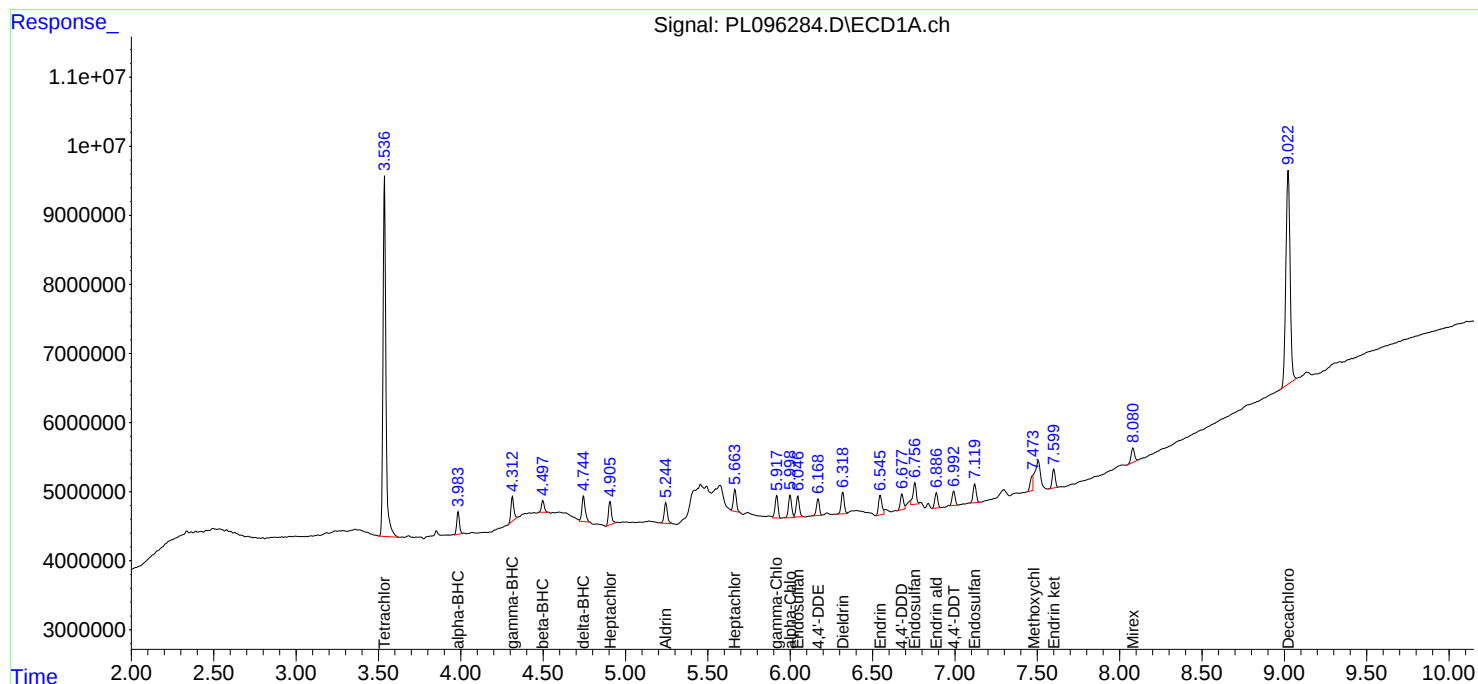
Instrument :
ECD_L
ClientSampleId :
MDL-SOIL-03-QT2-2025

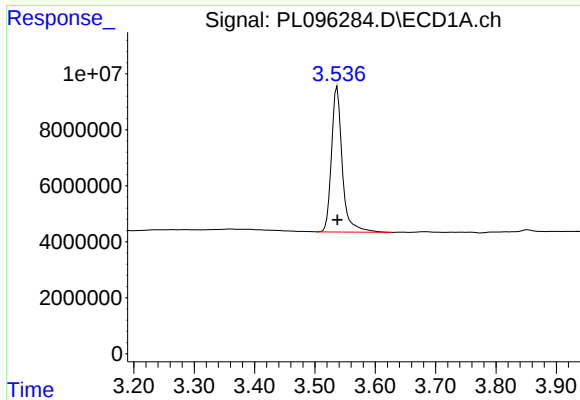
Manual Integrations
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Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 06:39:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
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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





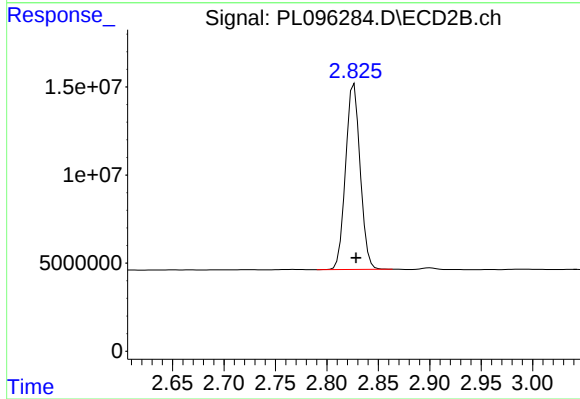
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 64445814
Conc: 17.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
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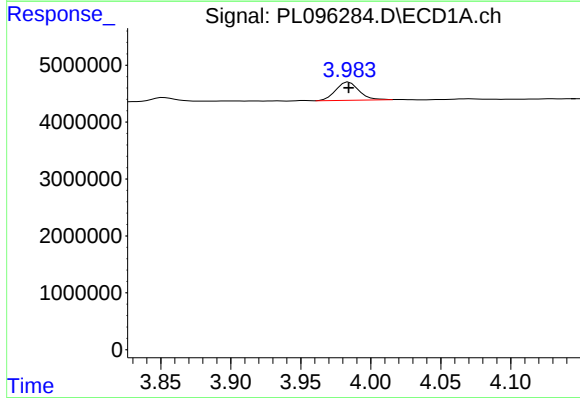
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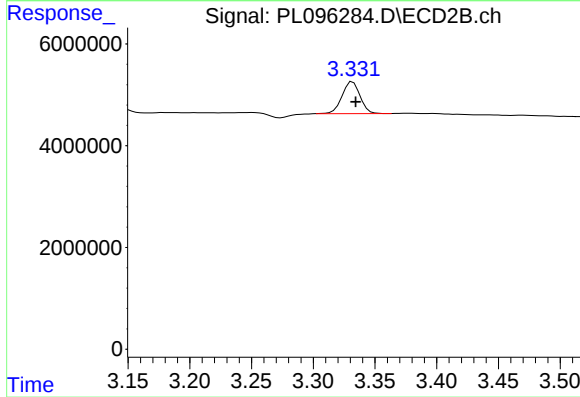
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 104046031
Conc: 18.03 ng/ml



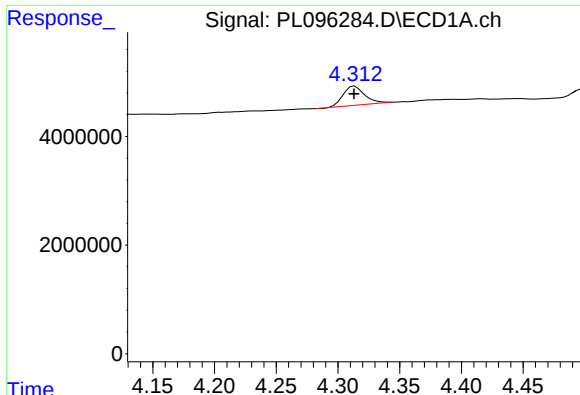
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 3736501
Conc: 0.73 ng/ml m



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.003 min
Response: 6399489
Conc: 0.76 ng/ml



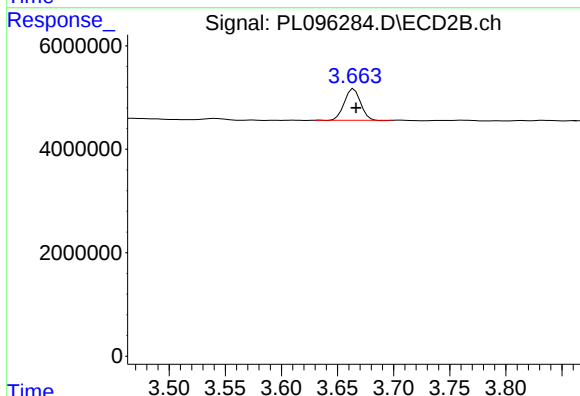
#3 gamma-BHC (Lindane)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 4225637
Conc: 0.85 ng/ml

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

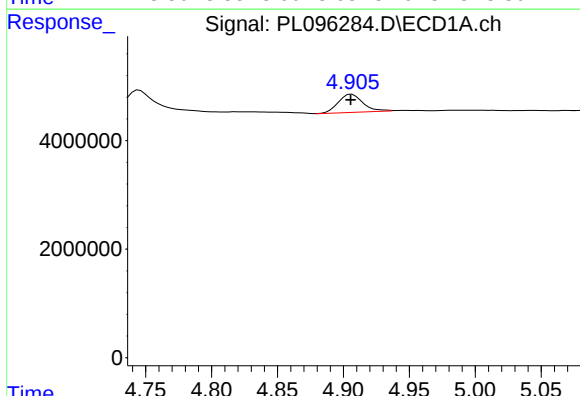
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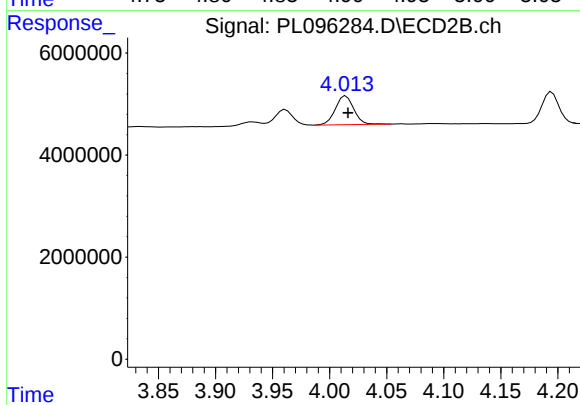
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 6080726
Conc: 0.77 ng/ml



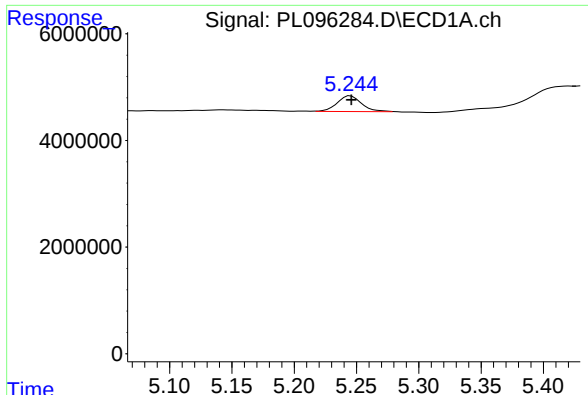
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 4400732
Conc: 0.96 ng/ml m



#4 Heptachlor

R.T.: 4.014 min
Delta R.T.: -0.002 min
Response: 6367733
Conc: 0.84 ng/ml



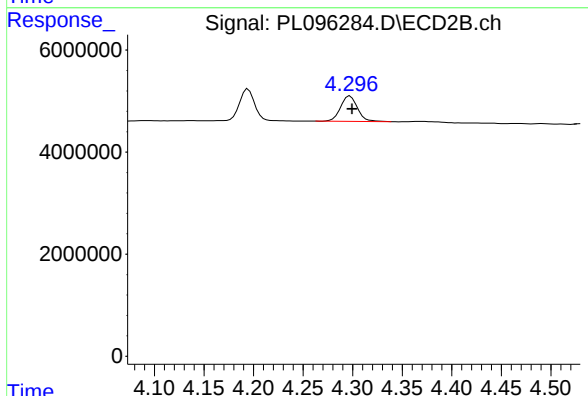
#5 Aldrin

R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 4027608
Conc: 0.83 ng/ml

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

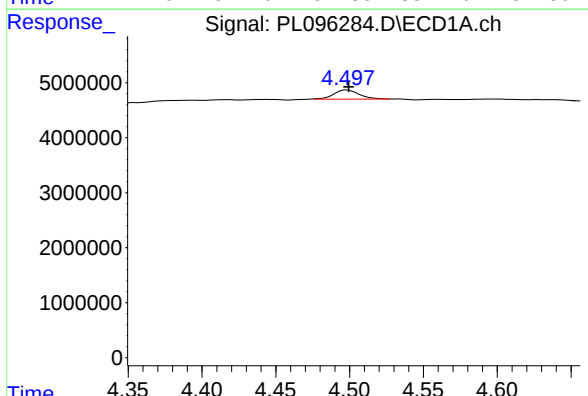
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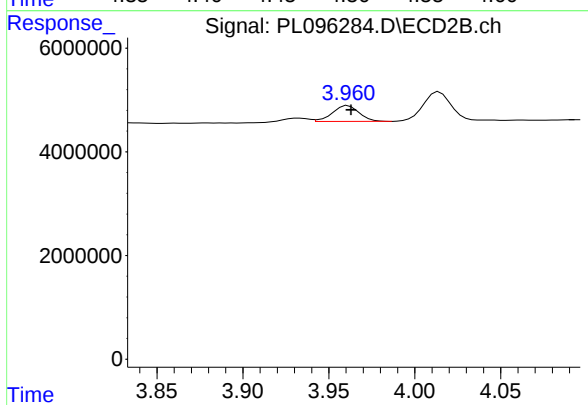
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.002 min
Response: 5899550
Conc: 0.81 ng/ml



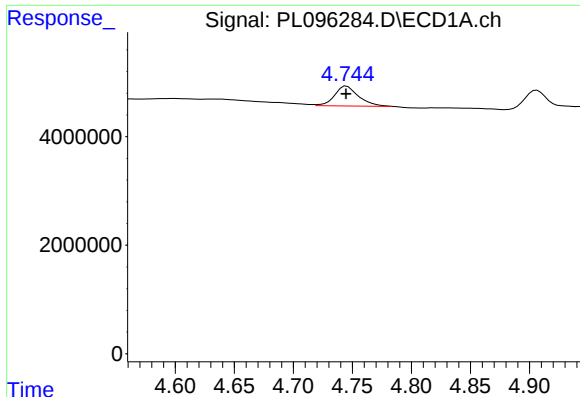
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.002 min
Response: 1979107
Conc: 0.95 ng/ml m



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 3261883
Conc: 0.95 ng/ml m



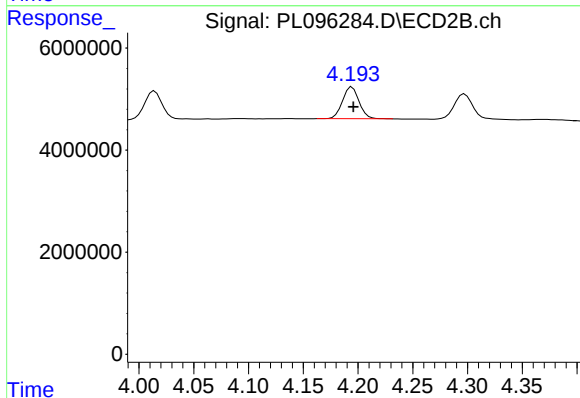
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 5180125
Conc: 1.16 ng/ml

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

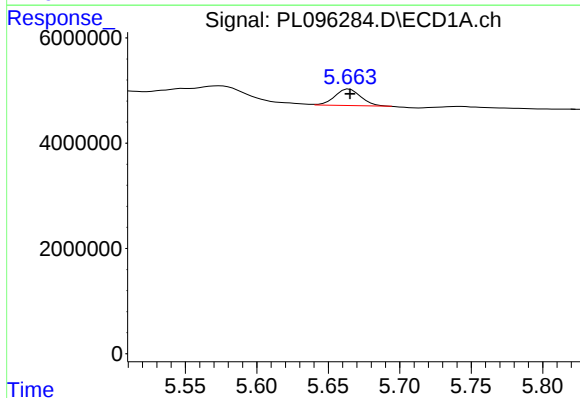
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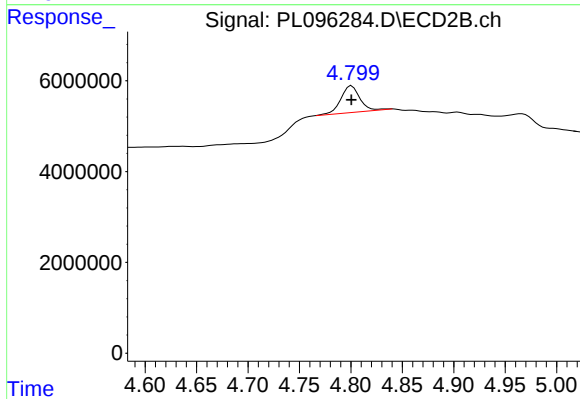
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: -0.001 min
Response: 6532414
Conc: 0.85 ng/ml



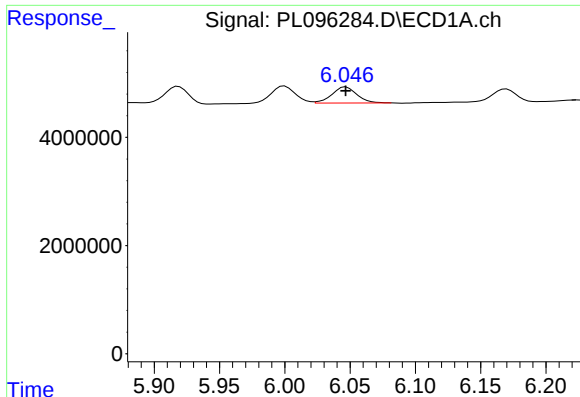
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.002 min
Response: 3972002
Conc: 0.96 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 7803338
Conc: 1.17 ng/ml



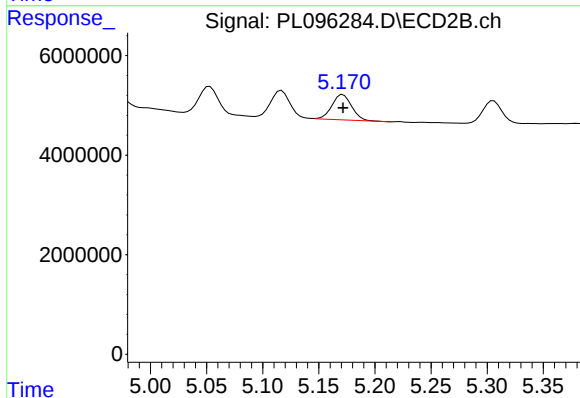
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: -0.001 min
Response: 3935908
Conc: 0.97 ng/ml

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

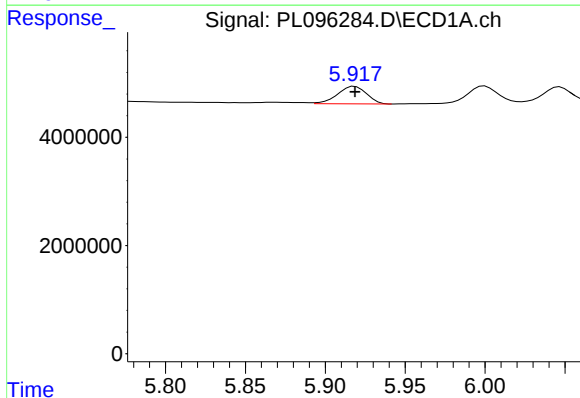
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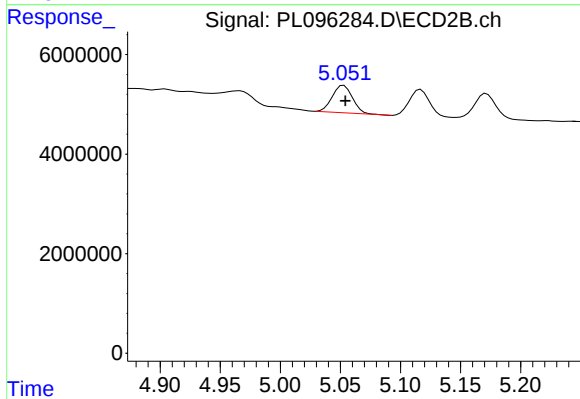
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 6291355
Conc: 0.88 ng/ml



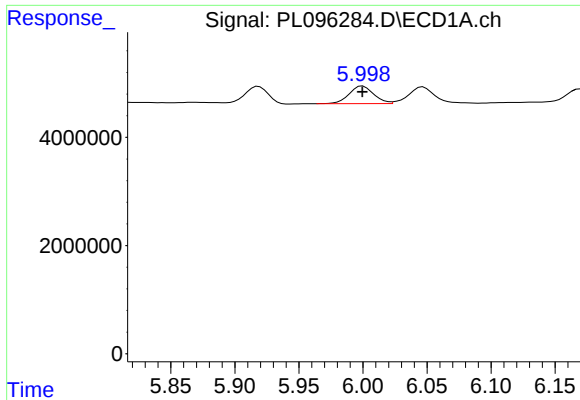
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.002 min
Response: 4080088
Conc: 0.92 ng/ml m



#10 gamma-Chlordane

R.T.: 5.053 min
Delta R.T.: -0.001 min
Response: 6503568
Conc: 0.93 ng/ml



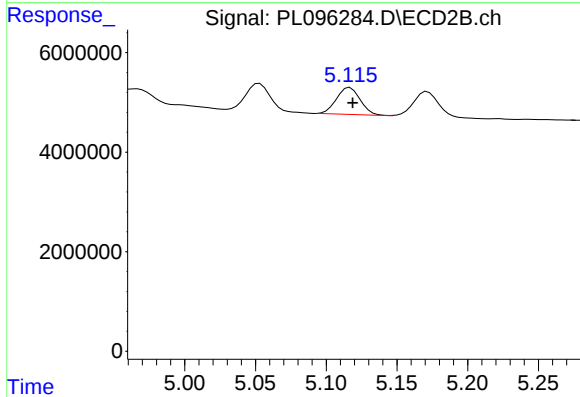
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 4475861
Conc: 1.02 ng/ml

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

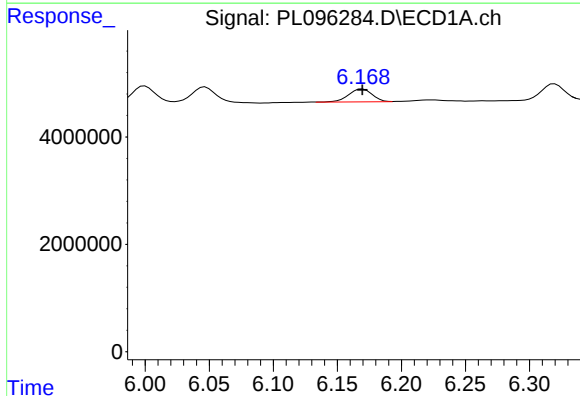
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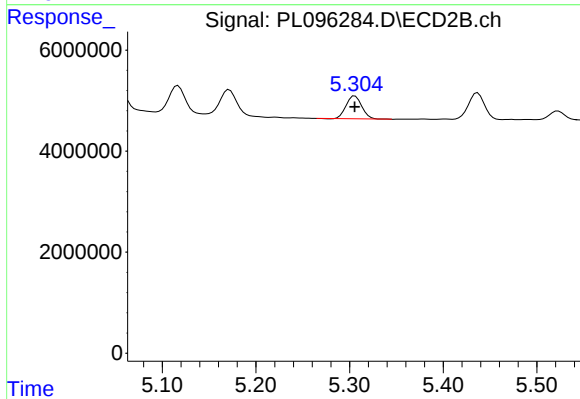
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 6351973
Conc: 0.84 ng/ml



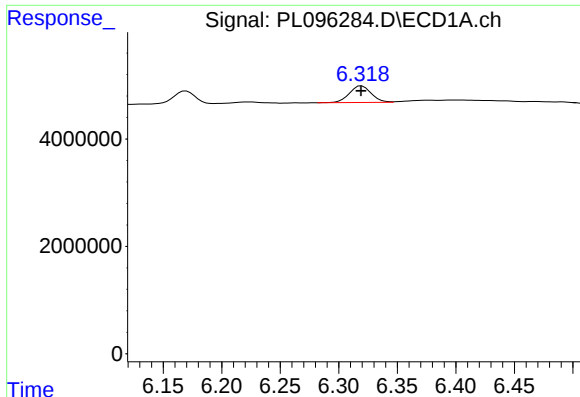
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 3069956
Conc: 0.83 ng/ml m



#12 4,4'-DDE

R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 5265968
Conc: 0.81 ng/ml



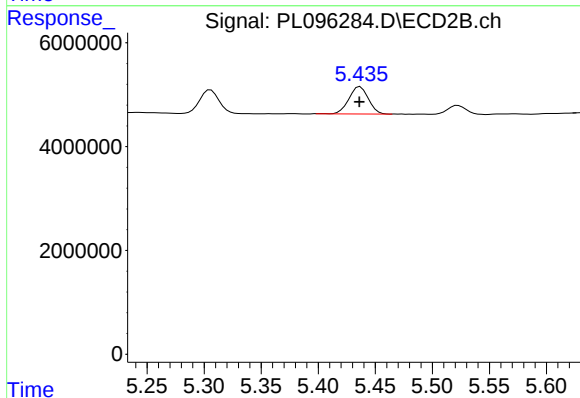
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 4098756
Conc: 0.97 ng/ml

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

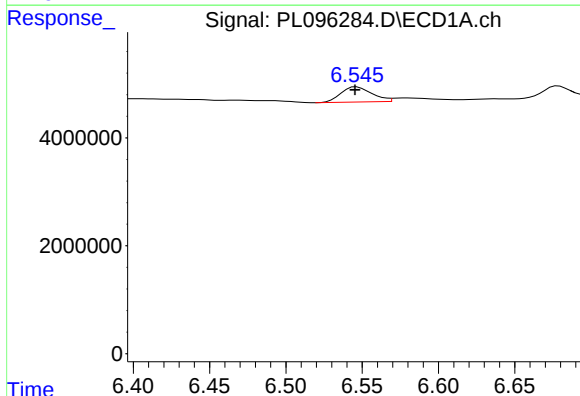
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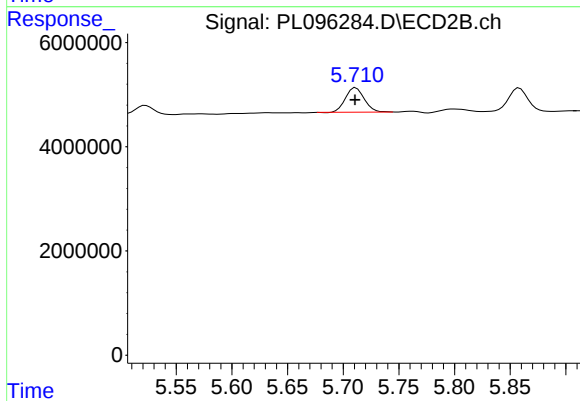
#13 Dieldrin

R.T.: 5.437 min
Delta R.T.: 0.000 min
Response: 6223337
Conc: 0.91 ng/ml



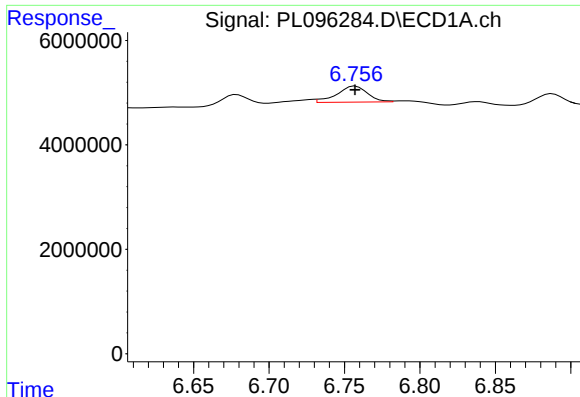
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 3973106
Conc: 1.28 ng/ml m



#14 Endrin

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 5545009
Conc: 0.91 ng/ml



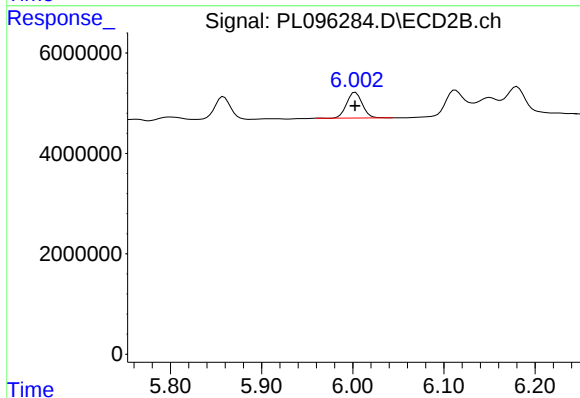
#15 Endosulfan II

R.T.: 6.756 min
Delta R.T.: -0.001 min
Response: 4308078
Conc: 1.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
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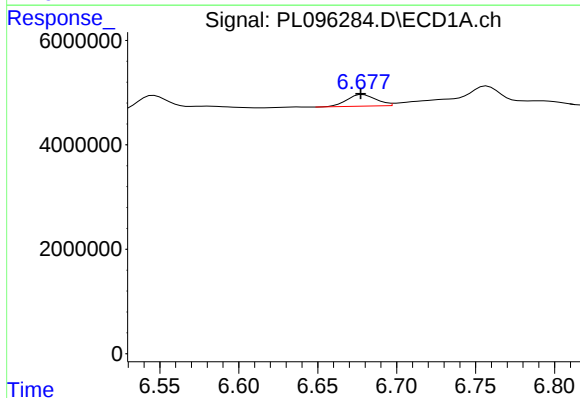
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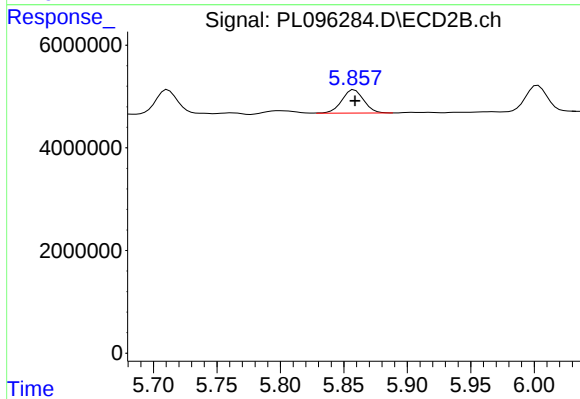
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 6072982
Conc: 1.04 ng/ml



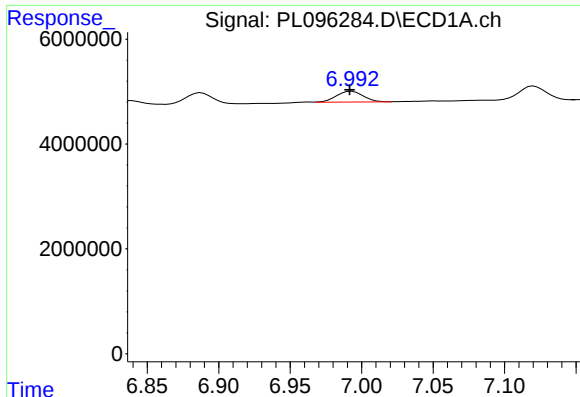
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 2985573
Conc: 1.03 ng/ml m



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 5493035
Conc: 1.07 ng/ml m



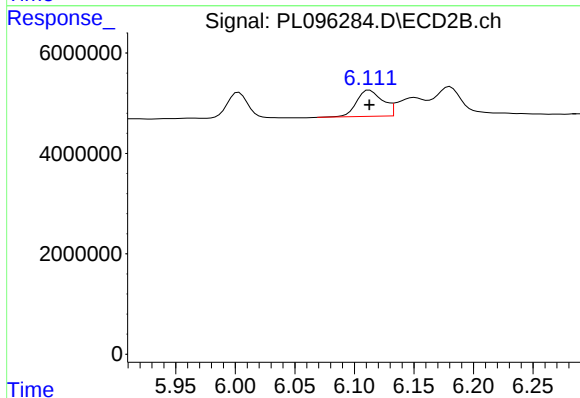
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 2681234
Conc: 0.88 ng/ml

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

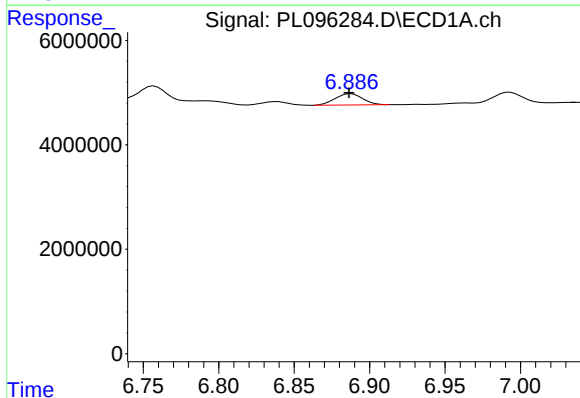
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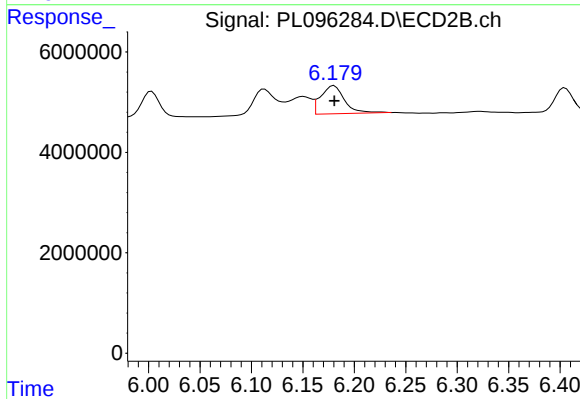
#17 4,4'-DDT

R.T.: 6.113 min
Delta R.T.: 0.000 min
Response: 7929972
Conc: 1.38 ng/ml



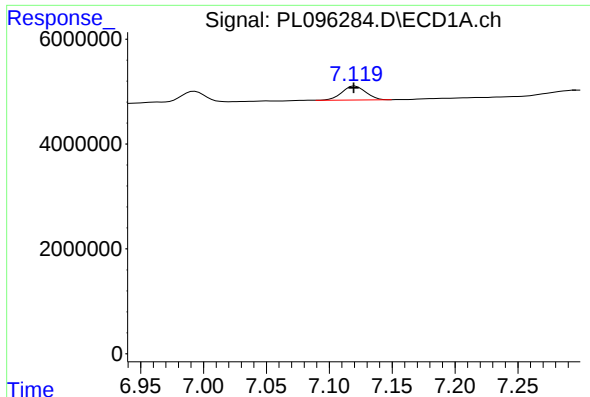
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 2738268
Conc: 1.22 ng/ml m



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 9035469
Conc: 2.03 ng/ml



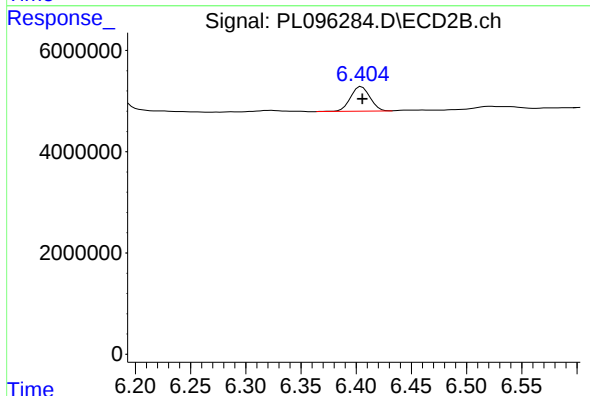
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 3504308
Conc: 1.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
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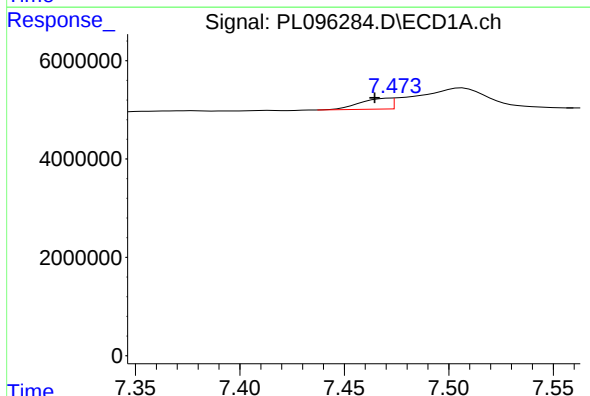
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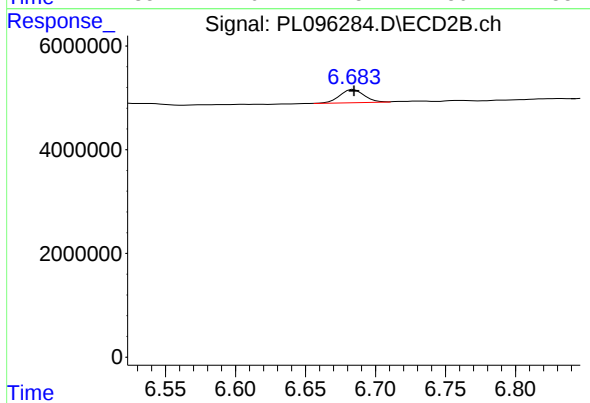
#19 Endosulfan Sulfate

R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 5923269
Conc: 1.05 ng/ml



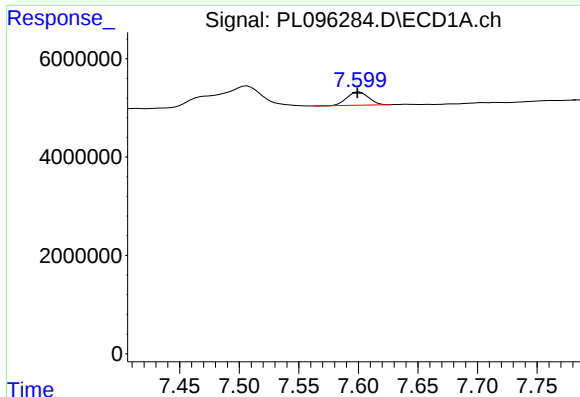
#20 Methoxychlor

R.T.: 7.473 min
Delta R.T.: 0.008 min
Response: 2628687
Conc: 1.67 ng/ml m



#20 Methoxychlor

R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 3138635
Conc: 1.03 ng/ml m



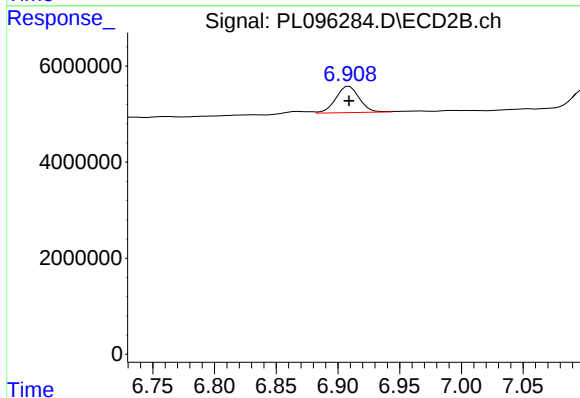
#21 Endrin ketone

R.T.: 7.601 min
Delta R.T.: 0.001 min
Response: 3399583
Conc: 1.03 ng/ml

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

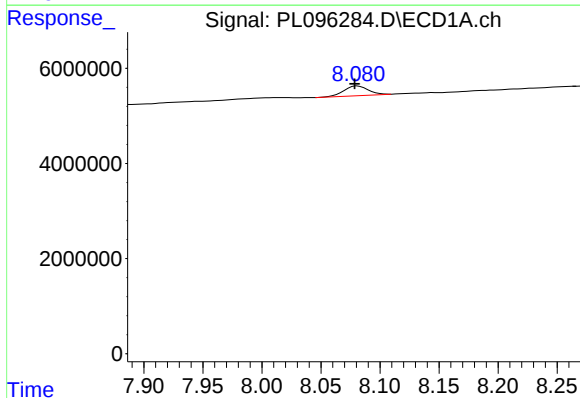
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



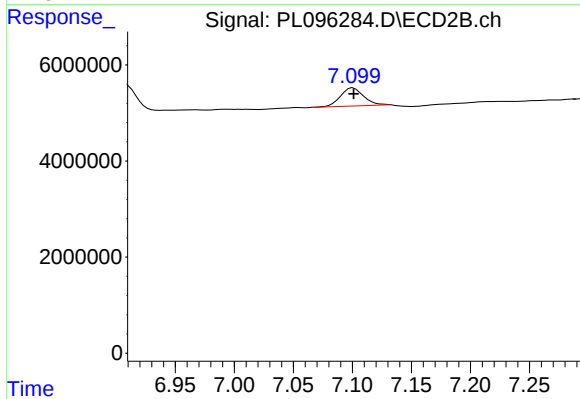
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: -0.001 min
Response: 7260117
Conc: 1.16 ng/ml m



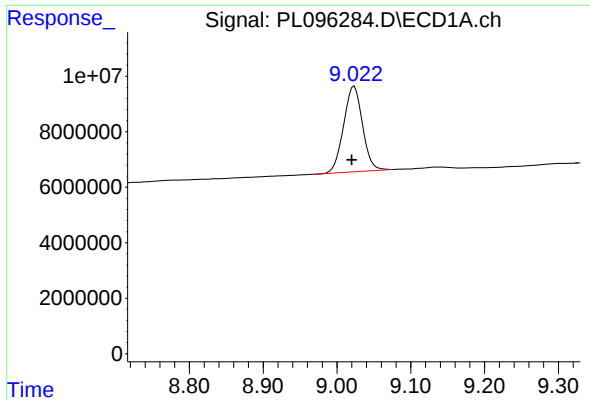
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.000 min
Response: 3012557
Conc: 1.08 ng/ml m



#22 Mirex

R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 5155612
Conc: 1.04 ng/ml m



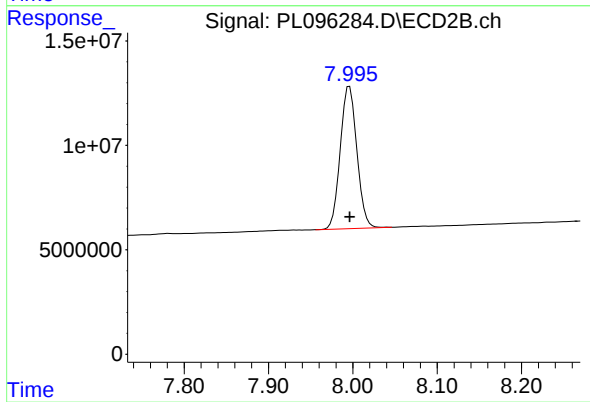
#28 Decachlorobiphenyl

R.T.: 9.023 min
Delta R.T.: 0.004 min
Response: 54779747
Conc: 19.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 93391104
Conc: 18.73 ng/ml