

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL062425\
 Data File : PL096163.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jun 2025 16:48
 Operator : AR\AJ
 Sample : Q2126-07
 Misc : PEST LOD 1PPB WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOD-MDL-WATER-01-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 04:27:34 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...	3.569	2.880	59937991	75763696	17.412	17.268
2)	SA Decachlor...	9.110	8.062	50863444	98648323	19.079	18.332
Target Compounds							
2)	A alpha-BHC	4.021	3.389	4613744	5285080	0.861	0.798
3)	MA gamma-BHC...	4.352	3.722	4661393	5260753	0.931	0.836
4)	MA Heptachlor	4.948	4.074	4287136	5313222	0.934m	0.842
5)	MB Aldrin	5.291	4.358	4754506	4963547	1.000	0.839
6)	B beta-BHC	4.539	4.017	2629941	2758565	1.230m	1.000m
7)	B delta-BHC	4.788	4.253	4816822	5577172	0.986	0.887
8)	B Heptachlo...	5.709	4.861	5739634	4953598	1.309m	0.863 #
9)	A Endosulfan I	6.094	5.232	4395449	6202057	1.093m	1.043m
10)	B gamma-Chl...	5.965	5.112	4466787	7472203	1.027m	1.241m
11)	B alpha-Chl...	6.047	5.177	4236082	7021297	0.980	1.139m
12)	B 4,4'-DDE	6.217	5.366	3930161	5350848	0.983m	0.909
13)	MA Dieldrin	6.368	5.499	4618661	6300184	1.072	1.062
14)	MA Endrin	6.595	5.777	3797647	7414408	1.066m	1.357 #
15)	B Endosulfa...	6.808	6.066	7273166	6178140	1.837m	1.155m#
16)	A 4,4'-DDD	6.728	5.920	3540903	5173677	1.076m	1.075
17)	MA 4,4'-DDT	7.044	6.173	2909139	4484901	0.890m	0.817m
18)	B Endrin al...	6.938	6.244	3348878	7550667	1.278m	1.806m#
19)	B Endosulfa...	7.173	6.470	3873587	5441216	1.147m	1.063
20)	A Methoxychlor	7.520f	6.747	1913058	3924277	1.162m	1.337m
21)	B Endrin ke...	7.654	6.974	4248210	9110886	1.177m	1.524m#
22)	Mirex	8.138	7.168	3352898	6826181	1.228m	1.428m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL062425\
Data File : PL096163.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2025 16:48
Operator : AR\AJ
Sample : Q2126-07
Misc : PEST LOD 1PPB WATER
ALS Vial : 8 Sample Multiplier: 1

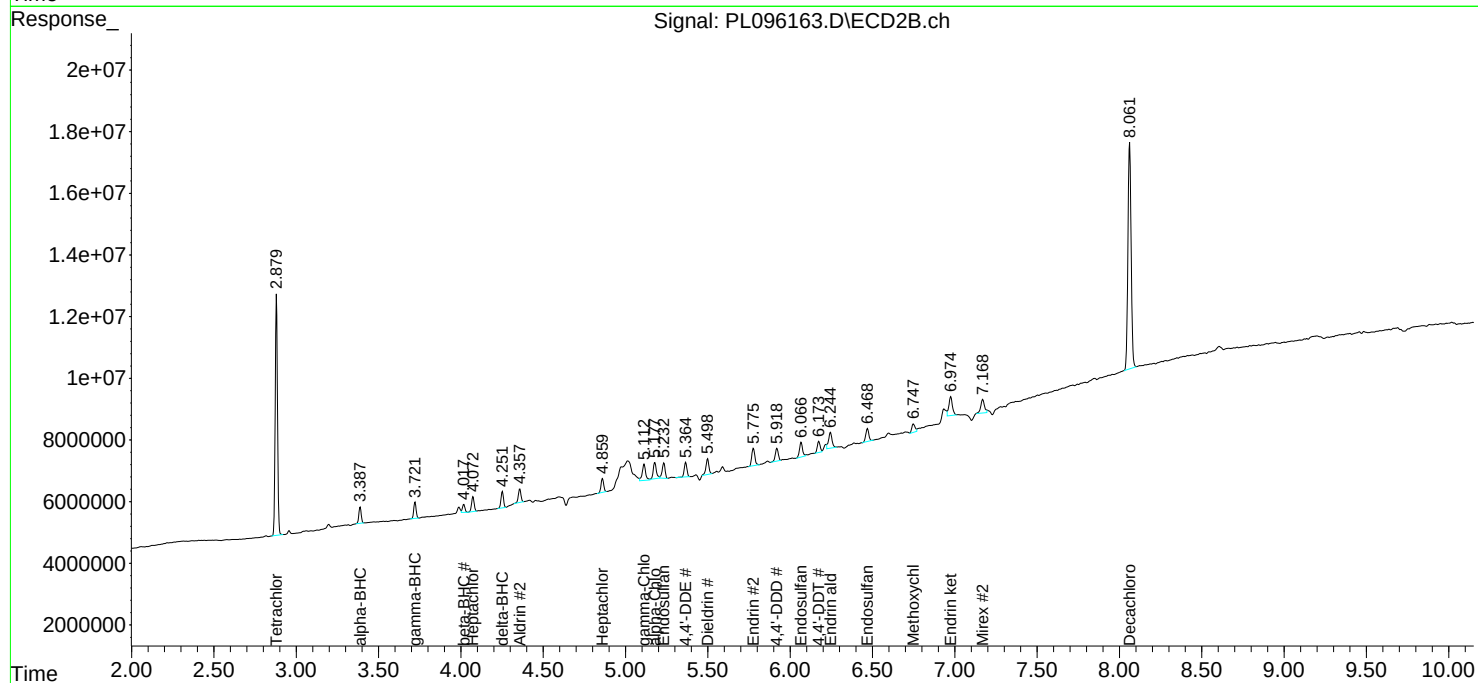
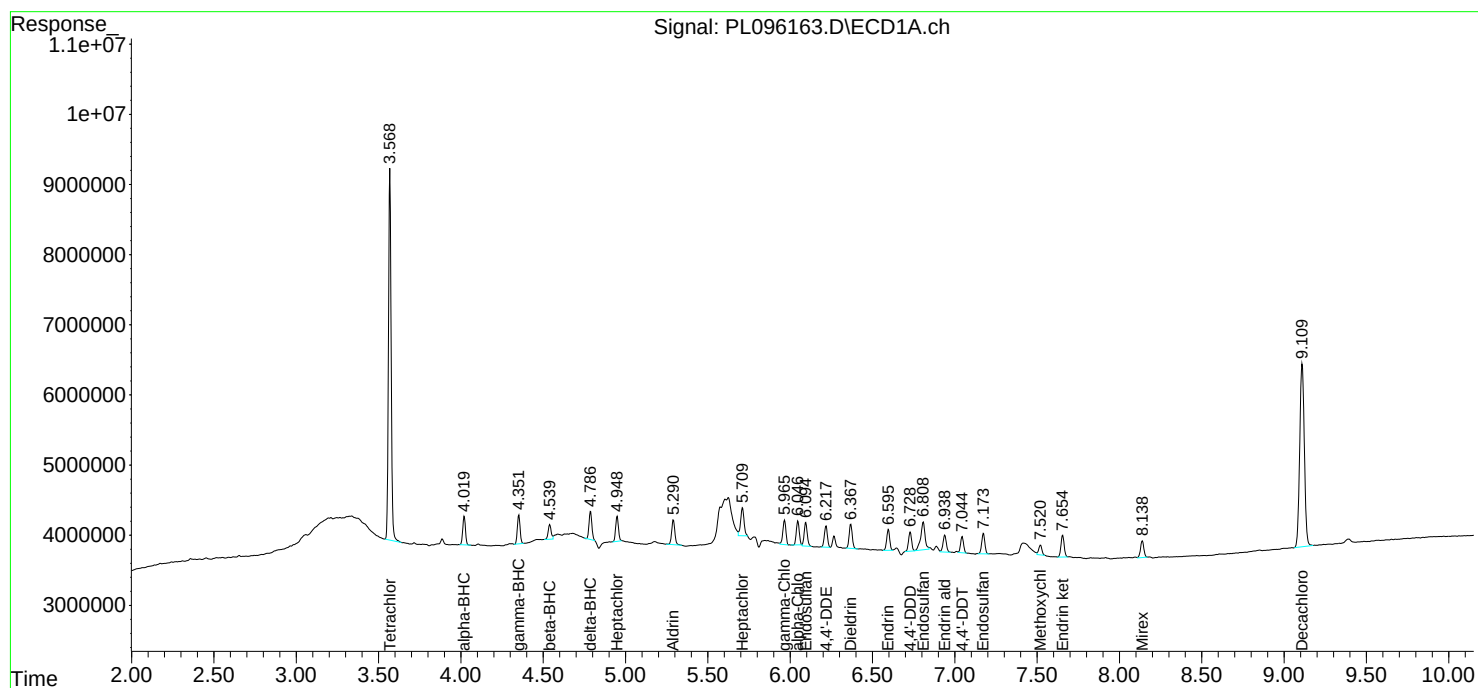
Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

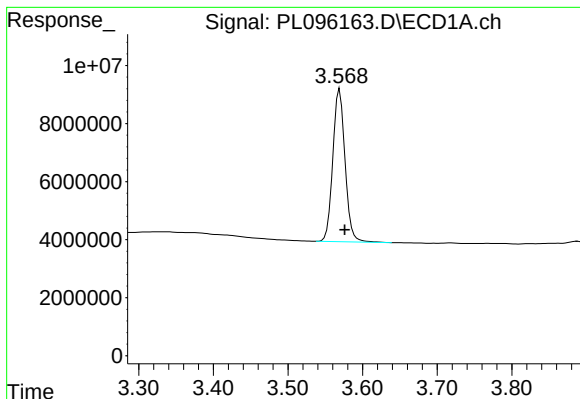
Manual Integrations
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Reviewed By : Abdul Mirza 06/25/2025
Supervised By : mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 04:27:34 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





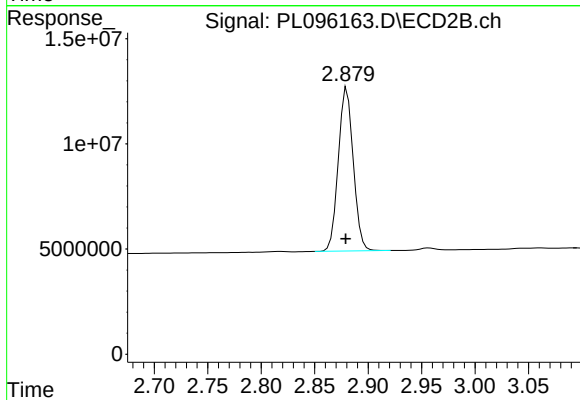
#1 Tetrachloro-m-xylene

R.T.: 3.569 min
Delta R.T.: -0.007 min
Response: 59937991
Conc: 17.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

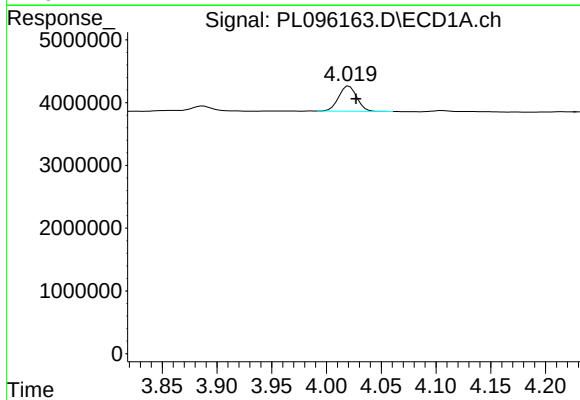
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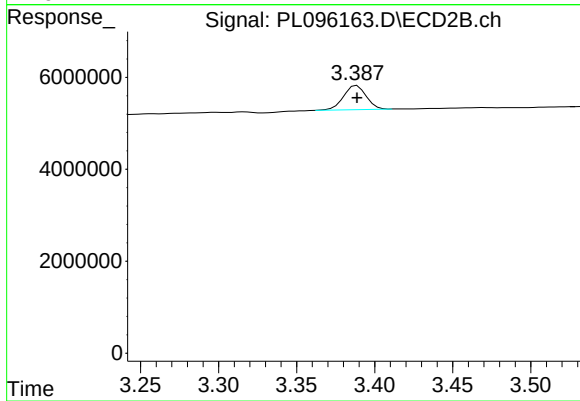
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.001 min
Response: 75763696
Conc: 17.27 ng/ml



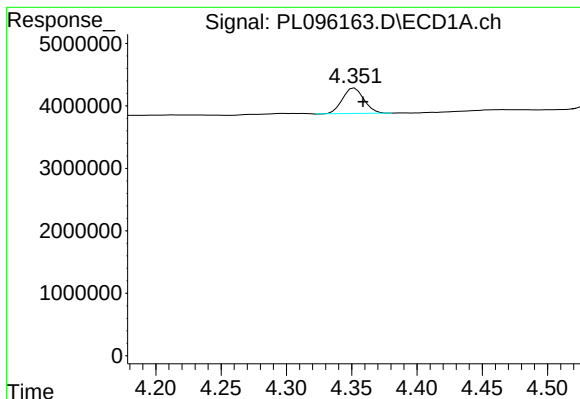
#2 alpha-BHC

R.T.: 4.021 min
Delta R.T.: -0.006 min
Response: 4613744
Conc: 0.86 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 5285080
Conc: 0.80 ng/ml



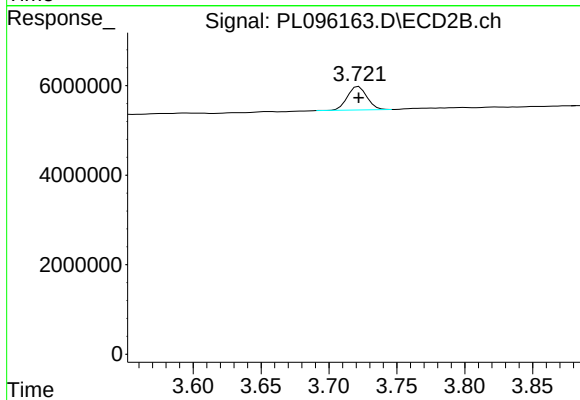
#3 gamma-BHC (Lindane)

R.T.: 4.352 min
Delta R.T.: -0.007 min
Response: 4661393
Conc: 0.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

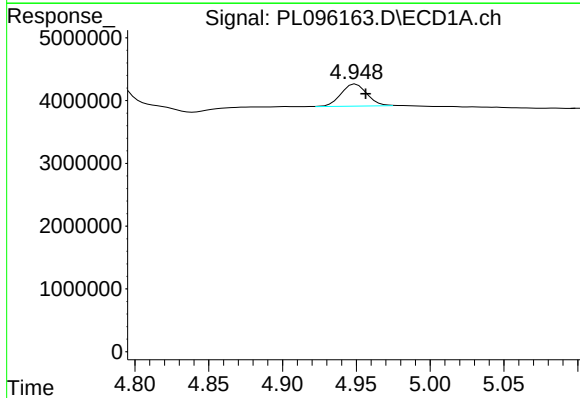
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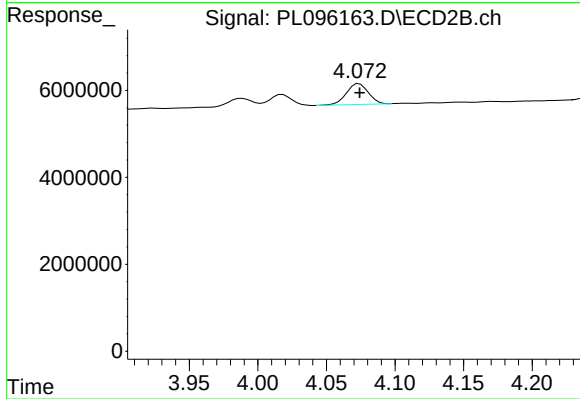
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 5260753
Conc: 0.84 ng/ml



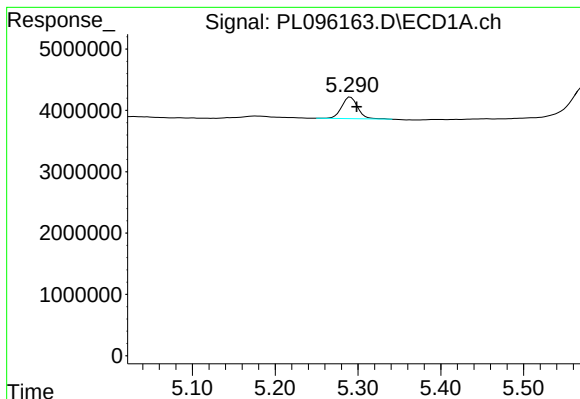
#4 Heptachlor

R.T.: 4.948 min
Delta R.T.: -0.008 min
Response: 4287136
Conc: 0.93 ng/ml m



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 5313222
Conc: 0.84 ng/ml



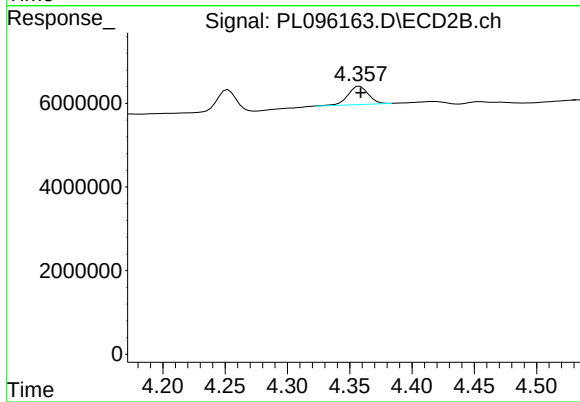
#5 Aldrin

R.T.: 5.291 min
Delta R.T.: -0.007 min
Response: 4754506
Conc: 1.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

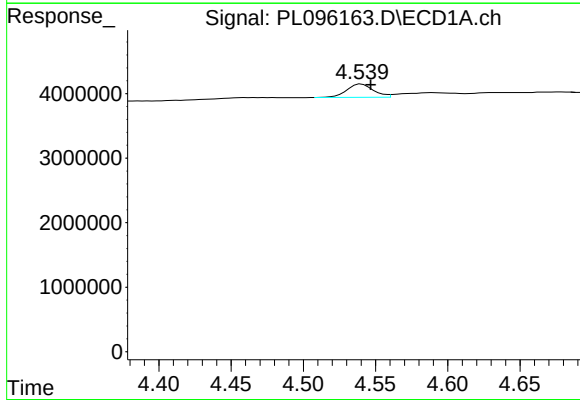
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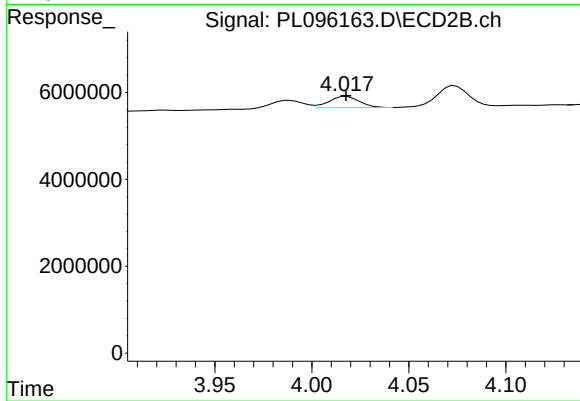
#5 Aldrin

R.T.: 4.358 min
Delta R.T.: 0.000 min
Response: 4963547
Conc: 0.84 ng/ml



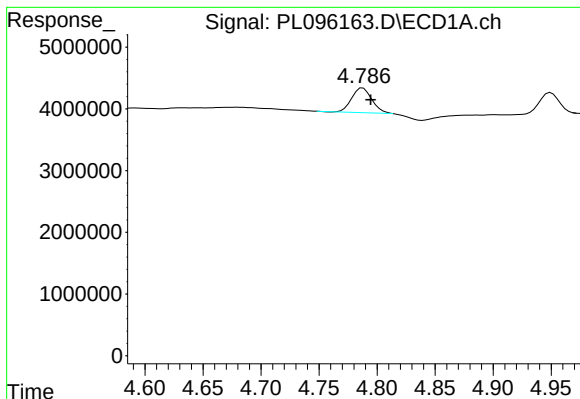
#6 beta-BHC

R.T.: 4.539 min
Delta R.T.: -0.008 min
Response: 2629941
Conc: 1.23 ng/ml m



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: 0.000 min
Response: 2758565
Conc: 1.00 ng/ml m



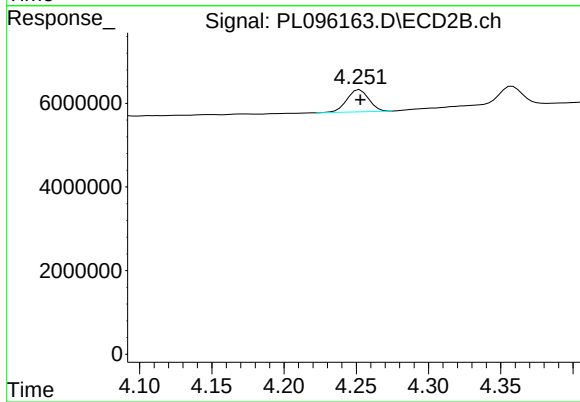
#7 delta-BHC

R.T.: 4.788 min
Delta R.T.: -0.007 min
Response: 4816822
Conc: 0.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

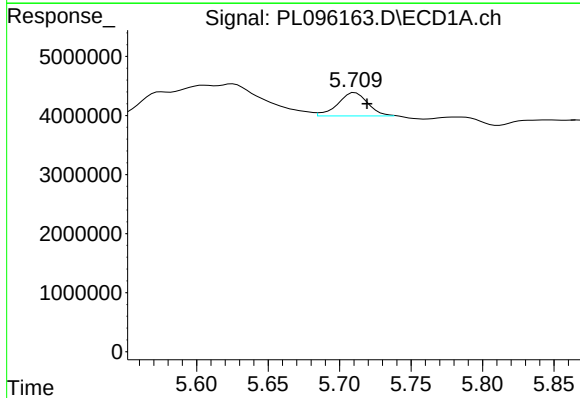
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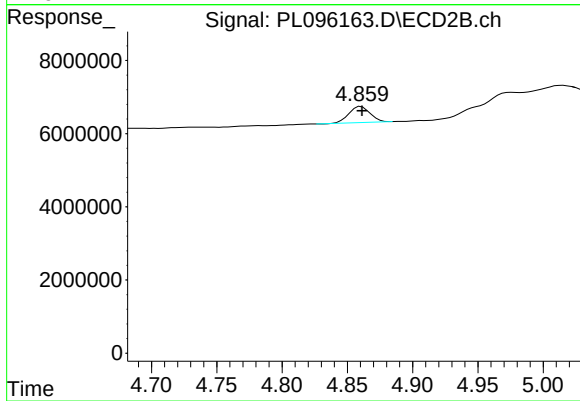
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: 0.000 min
Response: 5577172
Conc: 0.89 ng/ml



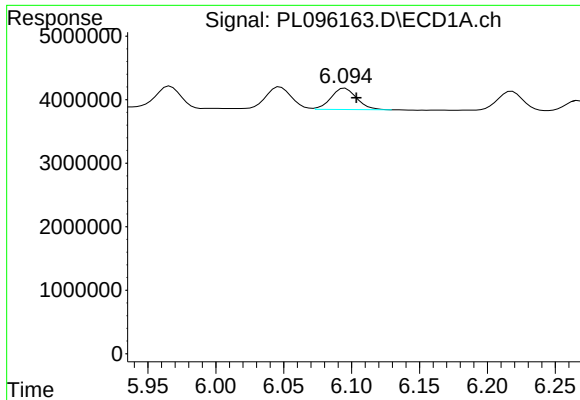
#8 Heptachlor epoxide

R.T.: 5.709 min
Delta R.T.: -0.010 min
Response: 5739634
Conc: 1.31 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 4953598
Conc: 0.86 ng/ml



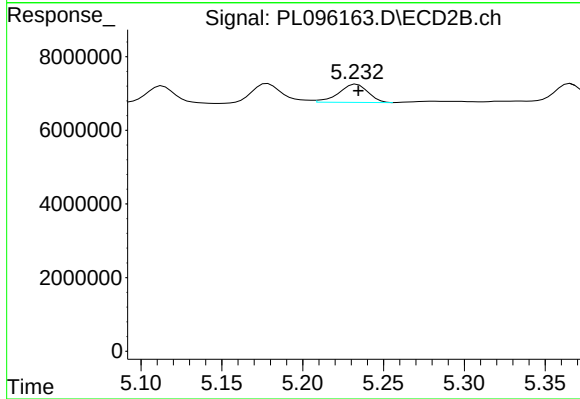
#9 Endosulfan I

R.T.: 6.094 min
Delta R.T.: -0.010 min
Response: 4395449
Conc: 1.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

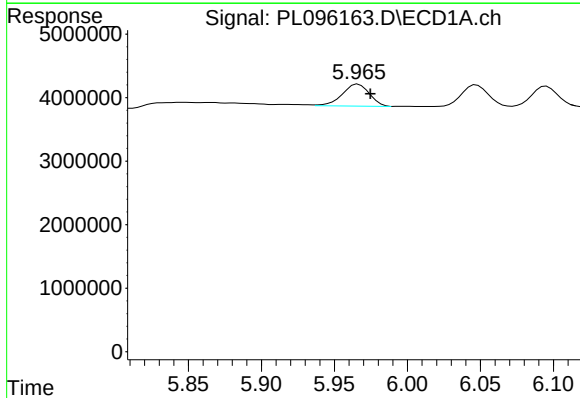
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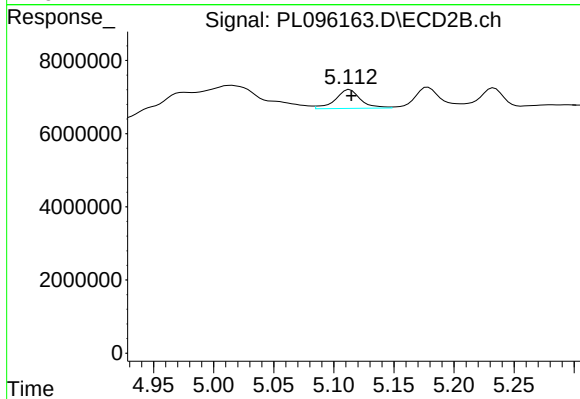
#9 Endosulfan I

R.T.: 5.232 min
Delta R.T.: -0.003 min
Response: 6202057
Conc: 1.04 ng/ml m



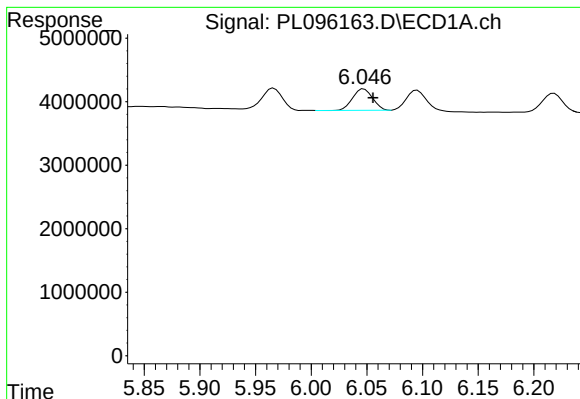
#10 gamma-Chlordane

R.T.: 5.965 min
Delta R.T.: -0.010 min
Response: 4466787
Conc: 1.03 ng/ml m



#10 gamma-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.003 min
Response: 7472203
Conc: 1.24 ng/ml m



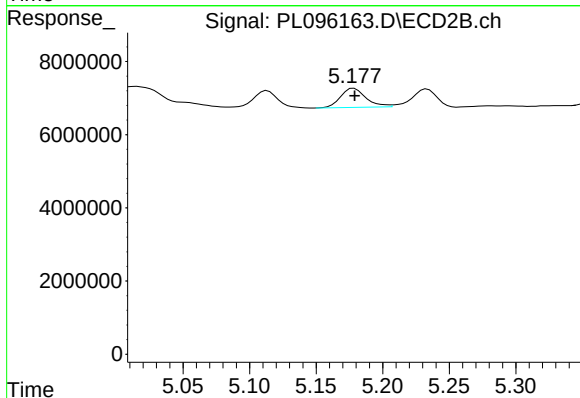
#11 alpha-Chlordane

R.T.: 6.047 min
Delta R.T.: -0.008 min
Response: 4236082
Conc: 0.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

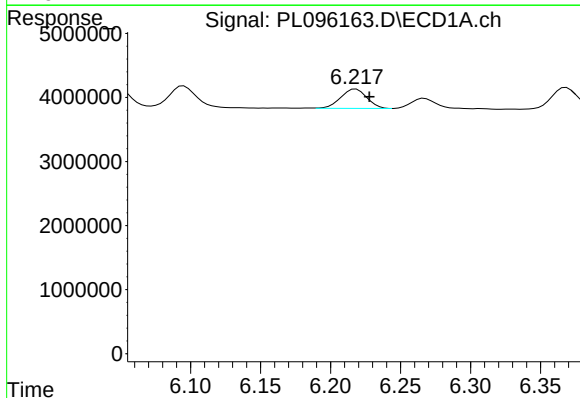
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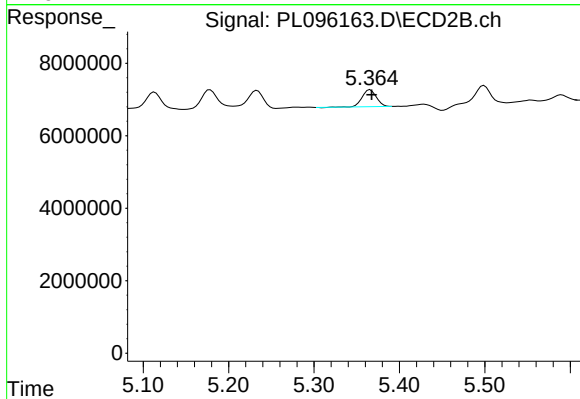
#11 alpha-Chlordane

R.T.: 5.177 min
Delta R.T.: -0.002 min
Response: 7021297
Conc: 1.14 ng/ml m



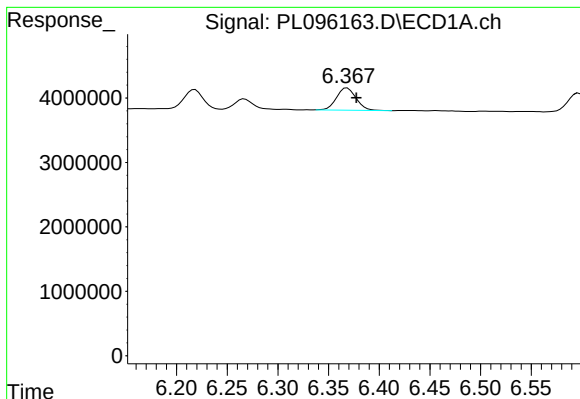
#12 4,4'-DDE

R.T.: 6.217 min
Delta R.T.: -0.011 min
Response: 3930161
Conc: 0.98 ng/ml m



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 5350848
Conc: 0.91 ng/ml



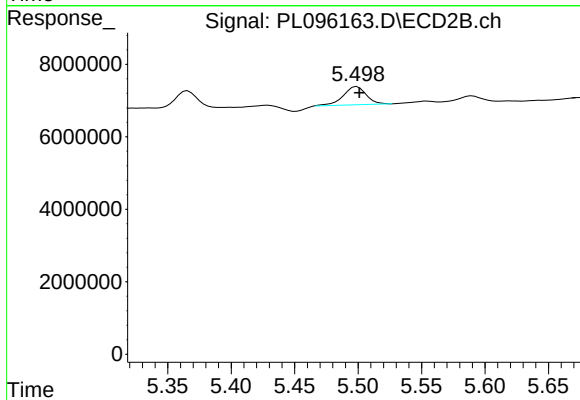
#13 Dieldrin

R.T.: 6.368 min
Delta R.T.: -0.009 min
Response: 4618661
Conc: 1.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

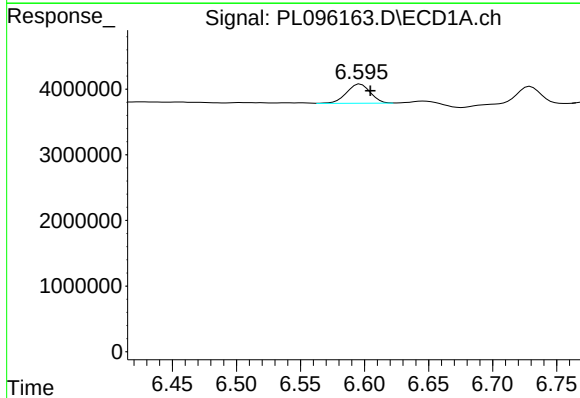
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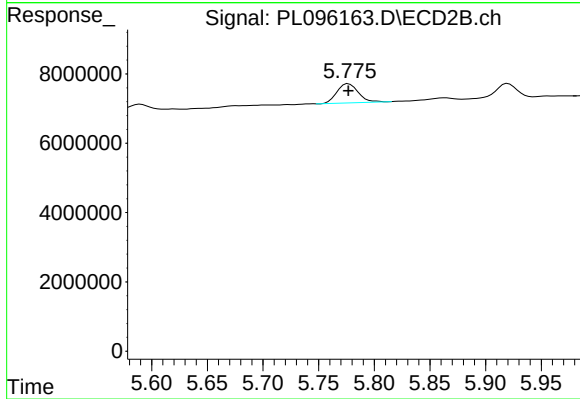
#13 Dieldrin

R.T.: 5.499 min
Delta R.T.: -0.002 min
Response: 6300184
Conc: 1.06 ng/ml



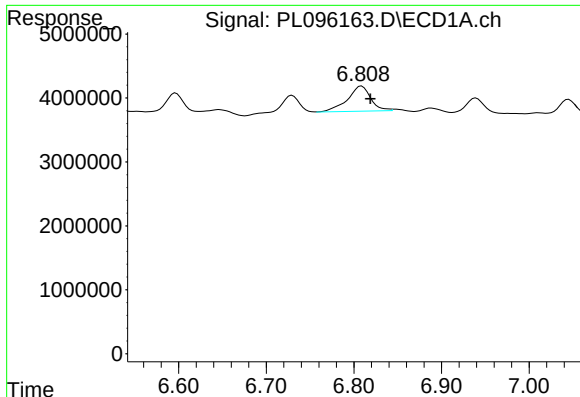
#14 Endrin

R.T.: 6.595 min
Delta R.T.: -0.009 min
Response: 3797647
Conc: 1.07 ng/ml m



#14 Endrin

R.T.: 5.777 min
Delta R.T.: 0.000 min
Response: 7414408
Conc: 1.36 ng/ml



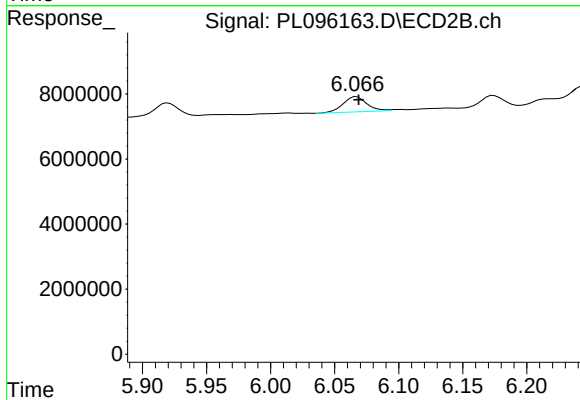
#15 Endosulfan II

R.T.: 6.808 min
Delta R.T.: -0.011 min
Response: 7273166
Conc: 1.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

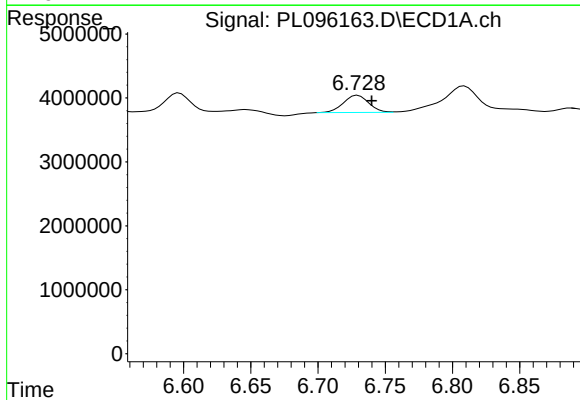
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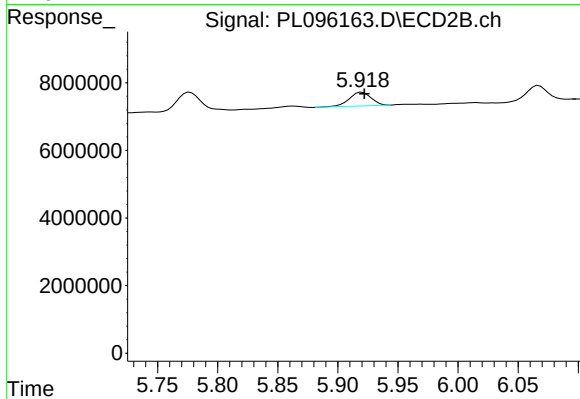
#15 Endosulfan II

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 6178140
Conc: 1.16 ng/ml m



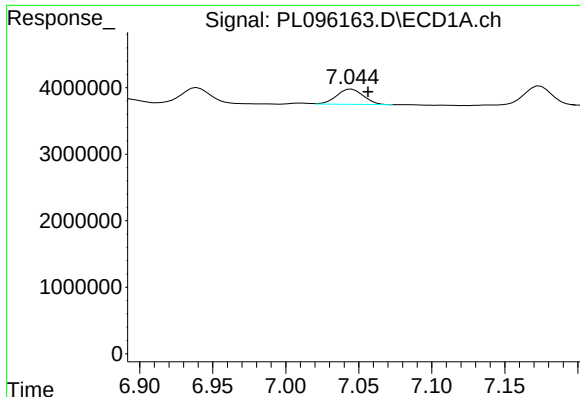
#16 4,4'-DDD

R.T.: 6.728 min
Delta R.T.: -0.012 min
Response: 3540903
Conc: 1.08 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 5173677
Conc: 1.07 ng/ml



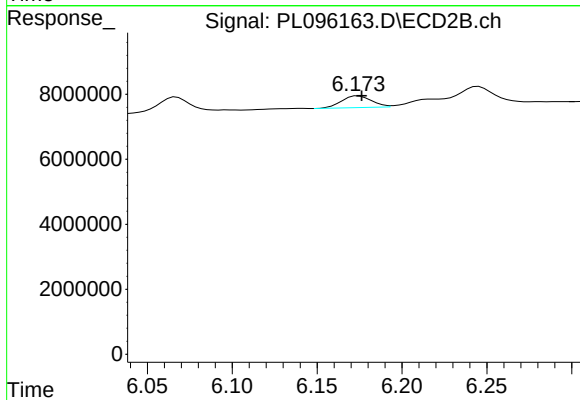
#17 4,4'-DDT

R.T.: 7.044 min
Delta R.T.: -0.013 min
Response: 2909139
Conc: 0.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
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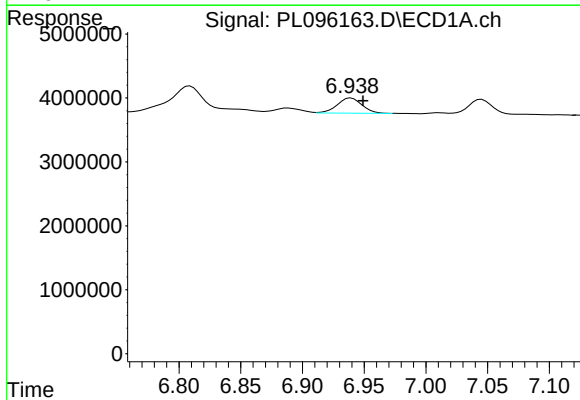
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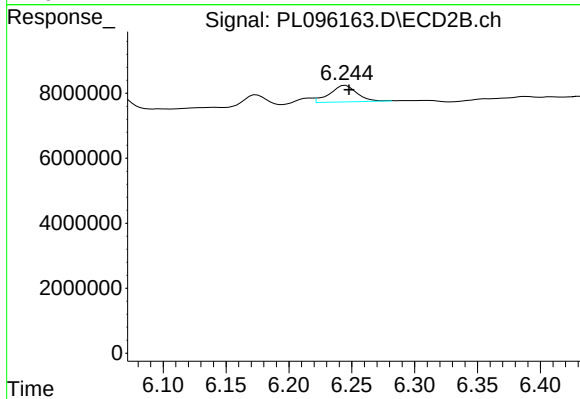
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.004 min
Response: 4484901
Conc: 0.82 ng/ml m



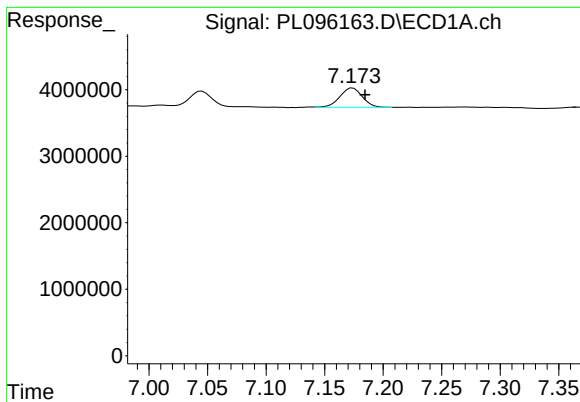
#18 Endrin aldehyde

R.T.: 6.938 min
Delta R.T.: -0.011 min
Response: 3348878
Conc: 1.28 ng/ml m



#18 Endrin aldehyde

R.T.: 6.244 min
Delta R.T.: -0.004 min
Response: 7550667
Conc: 1.81 ng/ml m



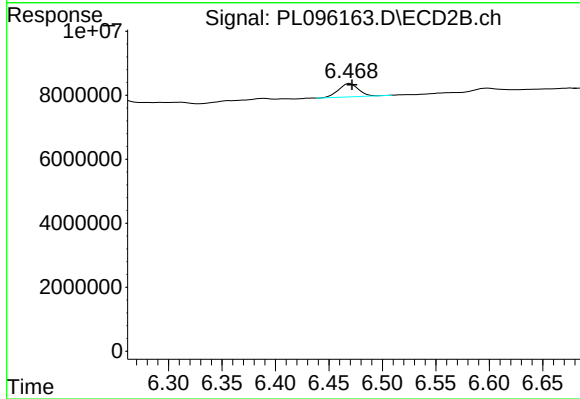
#19 Endosulfan Sulfate

R.T.: 7.173 min
Delta R.T.: -0.012 min
Response: 3873587
Conc: 1.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

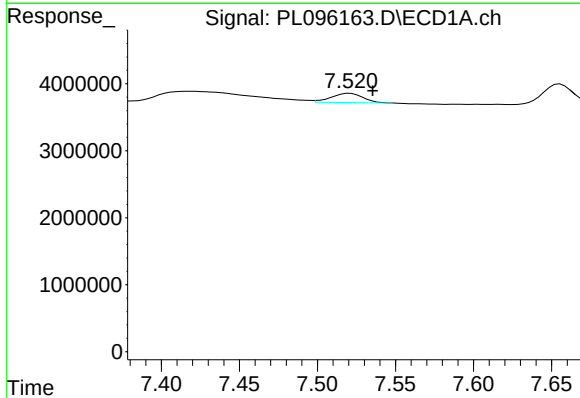
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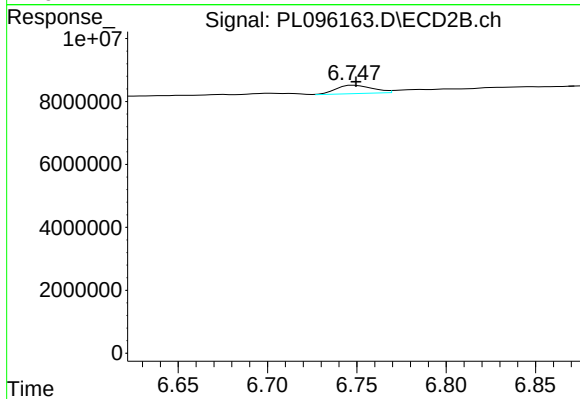
#19 Endosulfan Sulfate

R.T.: 6.470 min
Delta R.T.: -0.002 min
Response: 5441216
Conc: 1.06 ng/ml



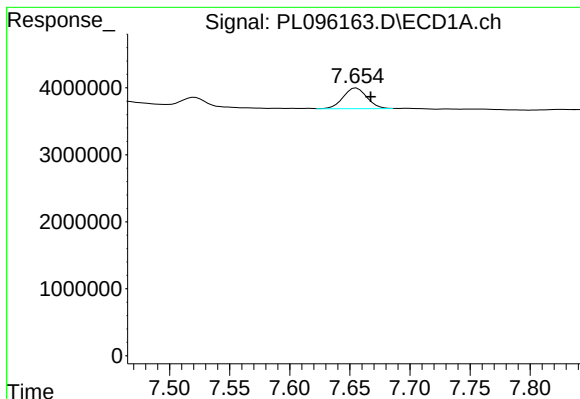
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.016 min
Response: 1913058
Conc: 1.16 ng/ml m



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 3924277
Conc: 1.34 ng/ml m



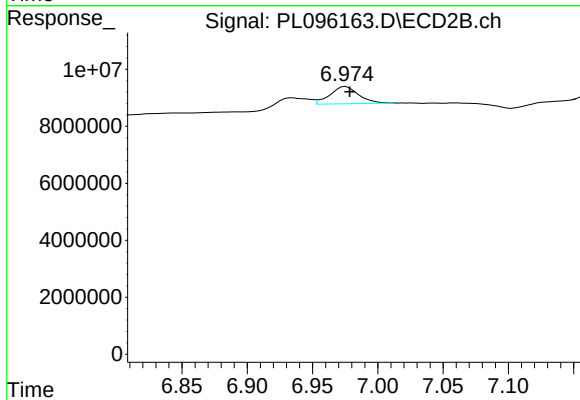
#21 Endrin ketone

R.T.: 7.654 min
Delta R.T.: -0.013 min
Response: 4248210
Conc: 1.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

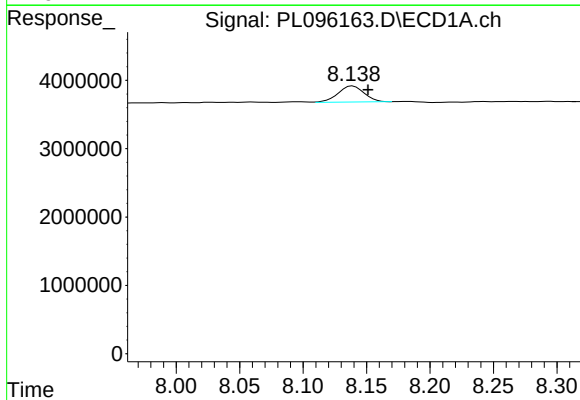
Manual Integrations
APPROVED

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



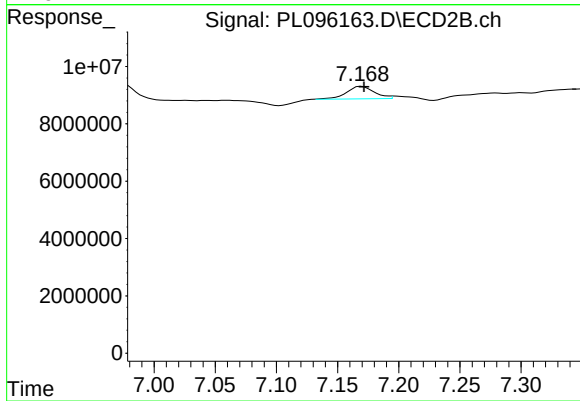
#21 Endrin ketone

R.T.: 6.974 min
Delta R.T.: -0.004 min
Response: 9110886
Conc: 1.52 ng/ml m



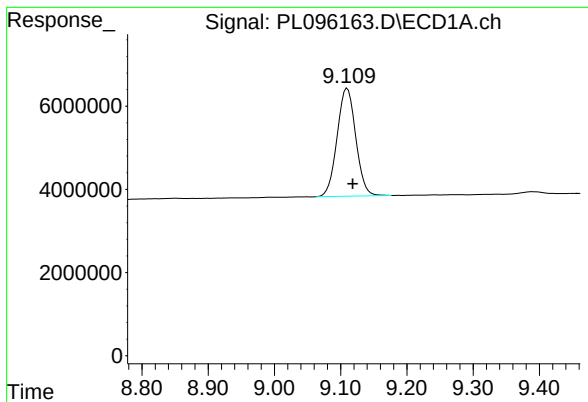
#22 Mirex

R.T.: 8.138 min
Delta R.T.: -0.013 min
Response: 3352898
Conc: 1.23 ng/ml m



#22 Mirex

R.T.: 7.168 min
Delta R.T.: -0.004 min
Response: 6826181
Conc: 1.43 ng/ml m



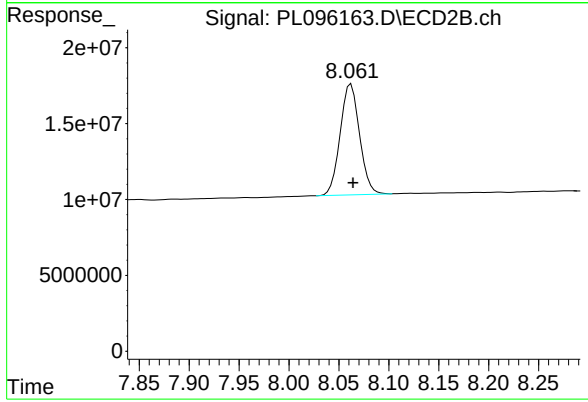
#28 Decachlorobiphenyl

R.T.: 9.110 min
Delta R.T.: -0.008 min
Response: 50863444
Conc: 19.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 98648323
Conc: 18.33 ng/ml