

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
 Data File : PL097055.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 17:26
 Operator : AR\AJ
 Sample : Q2893-07
 Misc : PEST LOD 1PPB
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/05/2025
 Supervised By :mohammad ahmed 09/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 09:23:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 09:22:10 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...	3.529	2.825	72478256	105.4E6	18.378	18.694
28)	SA Decachlor...	9.005	7.987	60100827	107.0E6	20.300	22.302
Target Compounds							
2)	A alpha-BHC	3.976	3.329	5786973	8202068	0.999	0.999
3)	MA gamma-BHC...	4.304	3.662	5470825	7680320	1.002	1.043
4)	MA Heptachlor	4.895	4.010	6247240	8411938	1.172	1.118
5)	MB Aldrin	5.234	4.292	5928298	7806311	1.128	1.110
6)	B beta-BHC	4.490	3.957	2531104	3935381	1.107m	1.206m
7)	B delta-BHC	4.736	4.191	5211242	7293216	1.158m	0.992
8)	B Heptachlo...	5.652	4.794	8480382	7416021	1.648m	1.172 #
9)	A Endosulfan I	6.036	5.165	5001640	6838059	1.164	1.141
10)	B gamma-Chl...	5.907	5.044	4985400	6807914	1.082	1.030m
11)	B alpha-Chl...	5.987	5.110	5111645	7534019	1.086m	1.154
12)	B 4,4'-DDE	6.156	5.298	4065546	6702048	1.019m	1.089
13)	MA Dieldrin	6.308	5.428	4891654	7915037	1.077	1.208m
14)	MA Endrin	6.533	5.707	3873624	9754515	1.034m	1.651 #
15)	B Endosulfa...	6.744	5.996	9640294	6851922	2.188m	1.198 #
16)	A 4,4'-DDD	6.666	5.850	3317890	5842054	1.051m	1.119m
17)	MA 4,4'-DDT	6.980	6.104	2873854	5109282	0.821m	0.933
18)	B Endrin al...	6.875	6.173	3285205	14208569	1.263m	2.955 #
19)	B Endosulfa...	7.109	6.397	4078072	6700952	1.188m	1.196
20)	A Methoxychlor	7.453	6.675	1608505	3369824	0.927m	1.123m
21)	B Endrin ke...	7.588	6.900	4185993	11649733	1.177m	1.861m#
22)	Mirex	8.067	7.090	3689867	6104435	1.233m	1.257m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
Data File : PL097055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 17:26
Operator : AR\AJ
Sample : Q2893-07
Misc : PEST LOD 1PPB
ALS Vial : 8 Sample Multiplier: 1

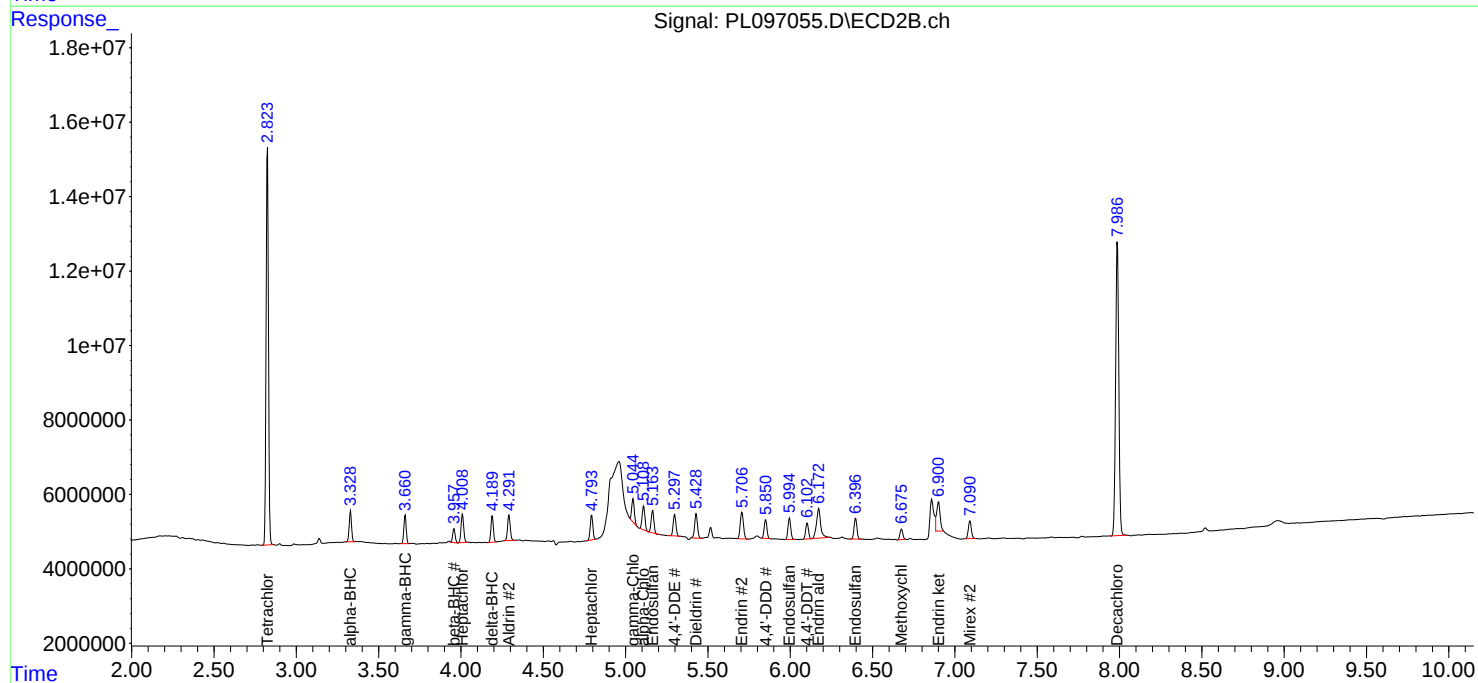
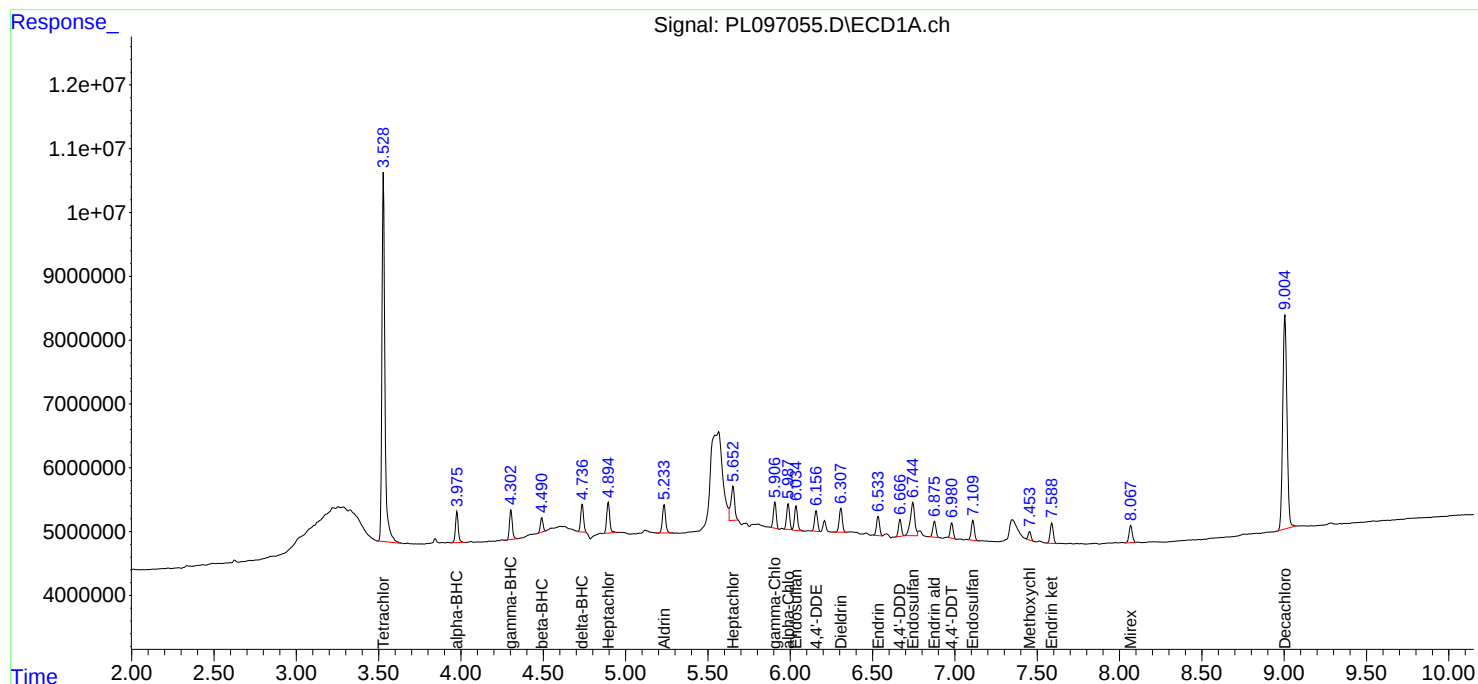
Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

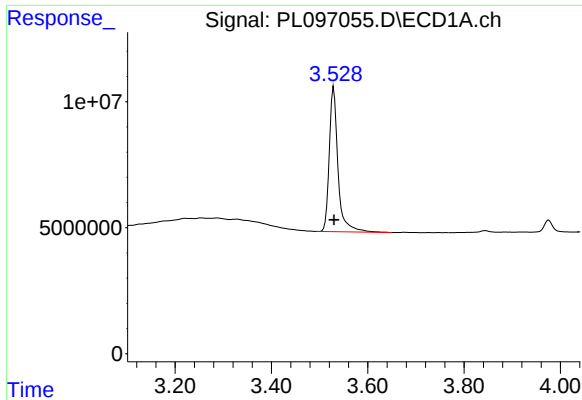
Manual Integrations
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Supervised By :mohammad ahmed 09/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 05 09:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 05 09:22:10 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





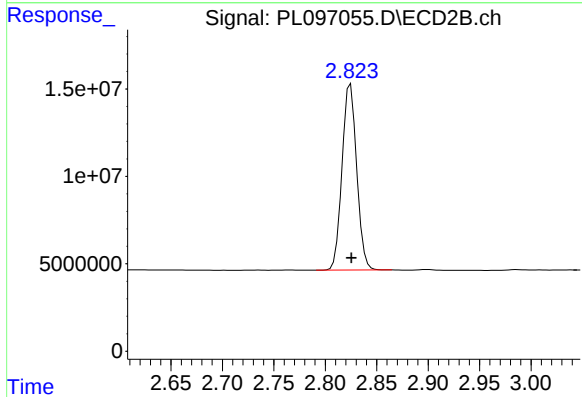
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: 0.000 min
Response: 72478256
Conc: 18.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

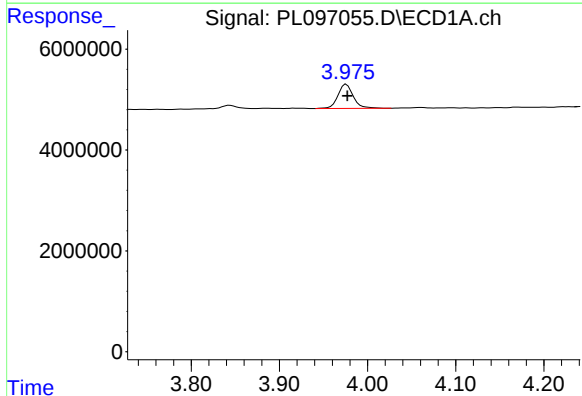
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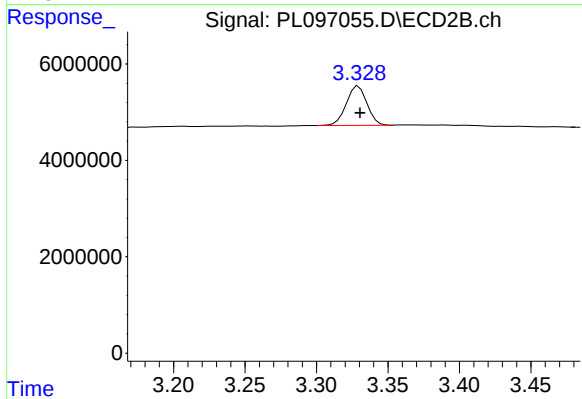
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: 0.000 min
Response: 105369712
Conc: 18.69 ng/ml



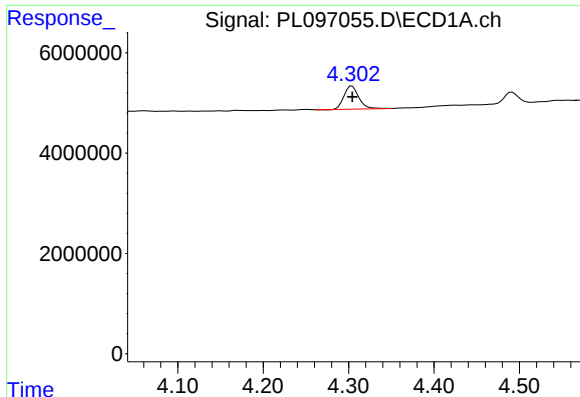
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.001 min
Response: 5786973
Conc: 1.00 ng/ml



#2 alpha-BHC

R.T.: 3.329 min
Delta R.T.: -0.001 min
Response: 8202068
Conc: 1.00 ng/ml



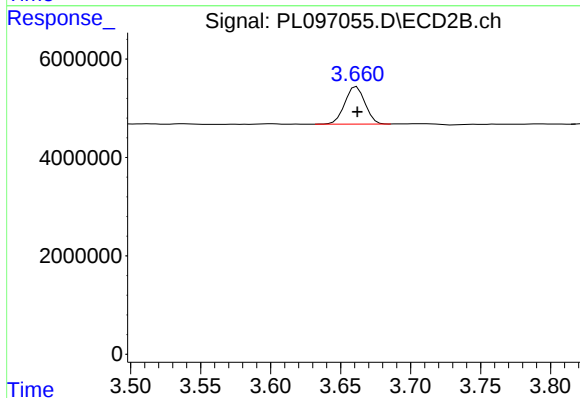
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: 0.000 min
Response: 5470825
Conc: 1.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

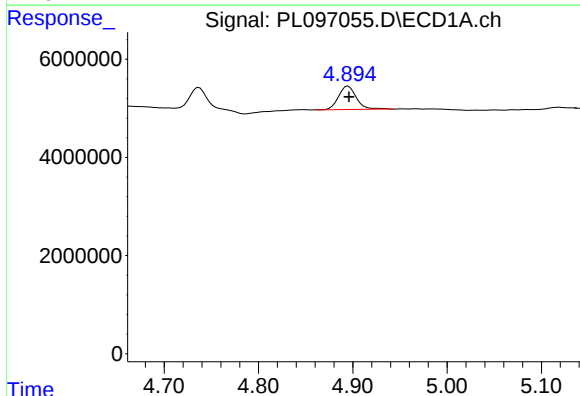
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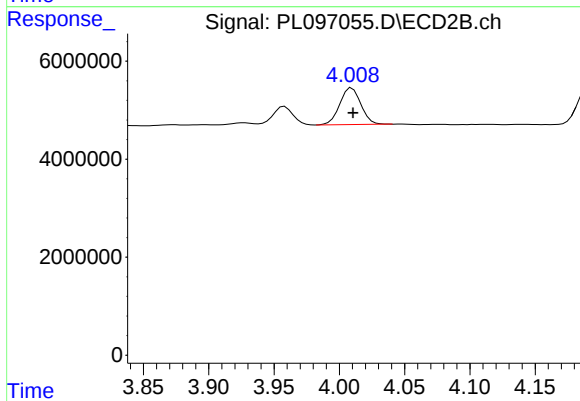
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: 0.000 min
Response: 7680320
Conc: 1.04 ng/ml



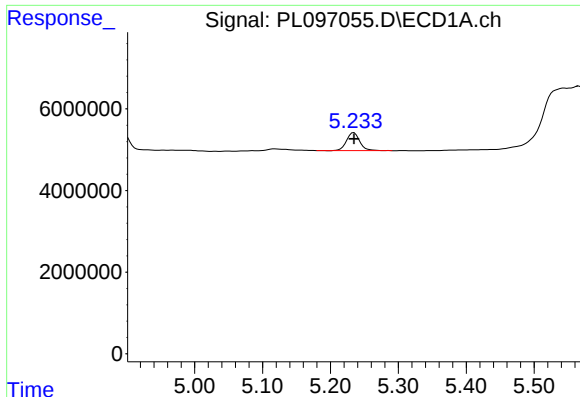
#4 Heptachlor

R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 6247240
Conc: 1.17 ng/ml



#4 Heptachlor

R.T.: 4.010 min
Delta R.T.: 0.000 min
Response: 8411938
Conc: 1.12 ng/ml



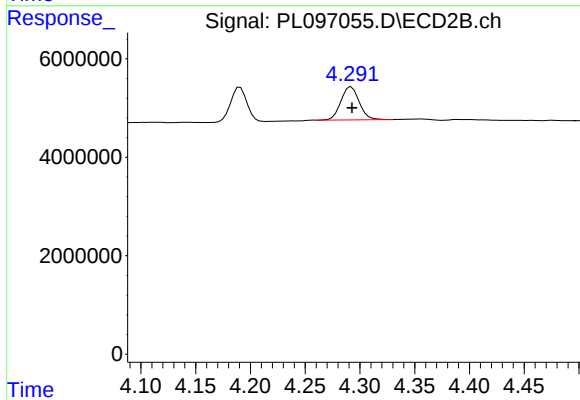
#5 Aldrin

R.T.: 5.234 min
Delta R.T.: 0.000 min
Response: 5928298
Conc: 1.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

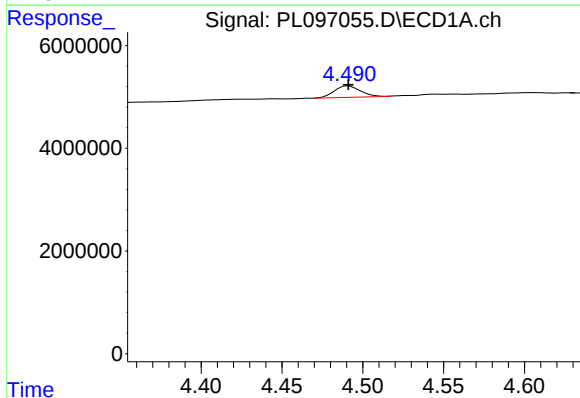
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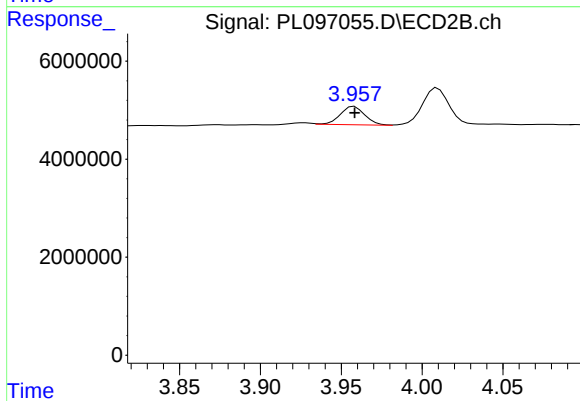
#5 Aldrin

R.T.: 4.292 min
Delta R.T.: 0.000 min
Response: 7806311
Conc: 1.11 ng/ml



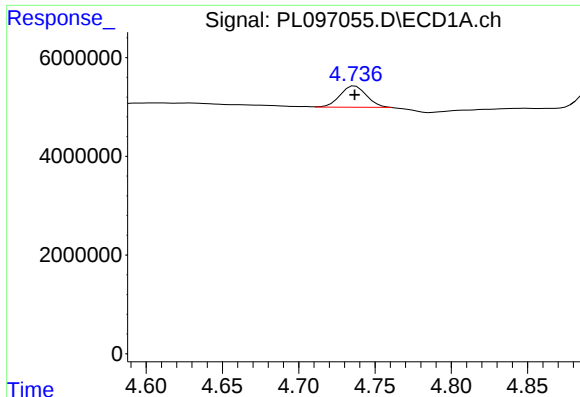
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.001 min
Response: 2531104
Conc: 1.11 ng/ml m



#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: -0.001 min
Response: 3935381
Conc: 1.21 ng/ml m



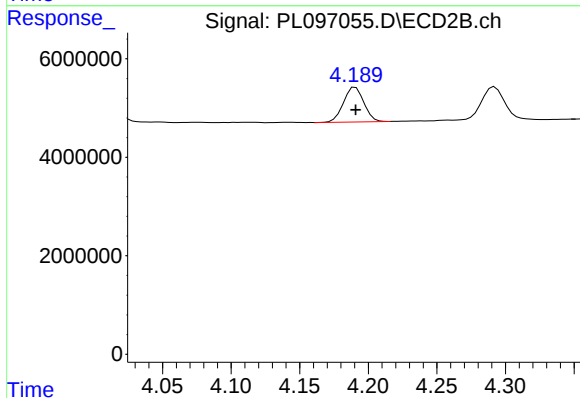
#7 delta-BHC

R.T.: 4.736 min
Delta R.T.: -0.001 min
Response: 5211242
Conc: 1.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

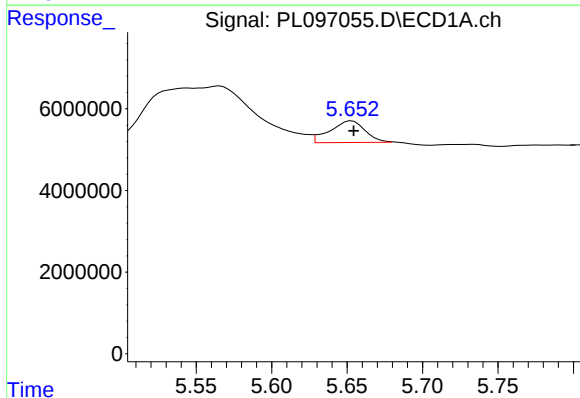
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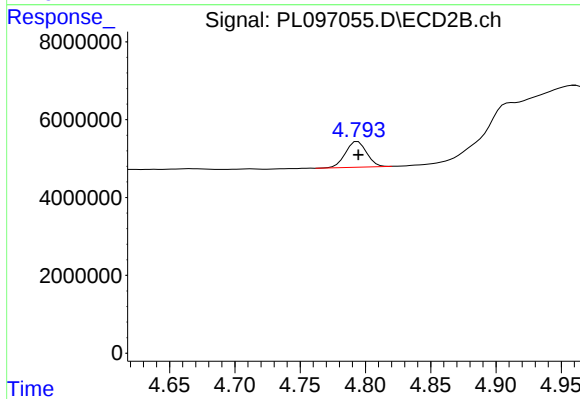
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: 0.000 min
Response: 7293216
Conc: 0.99 ng/ml



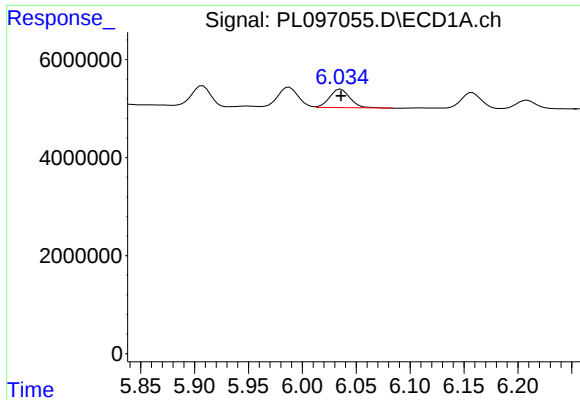
#8 Heptachlor epoxide

R.T.: 5.652 min
Delta R.T.: -0.003 min
Response: 8480382
Conc: 1.65 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 7416021
Conc: 1.17 ng/ml



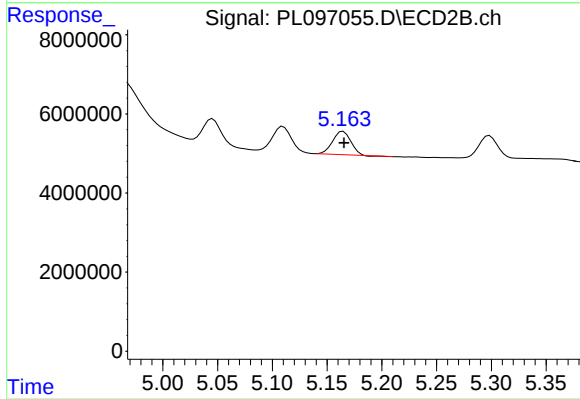
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 5001640
Conc: 1.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

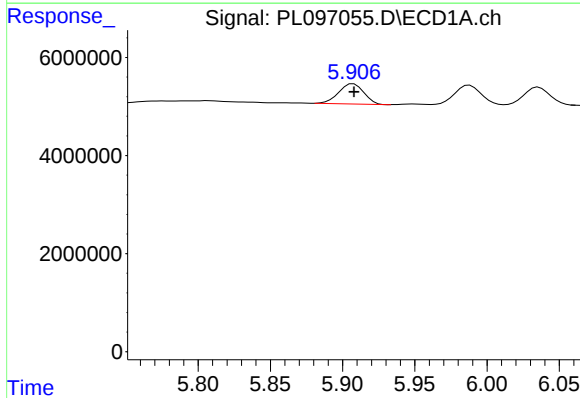
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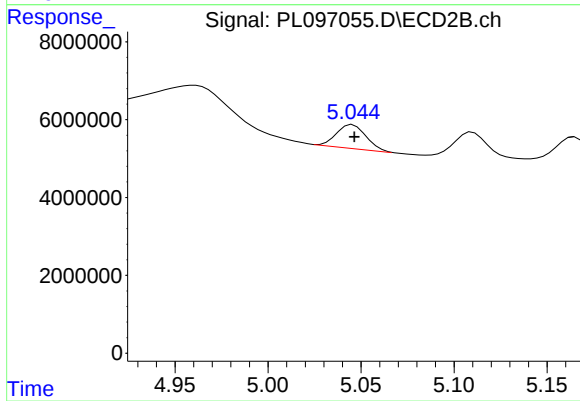
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: 0.000 min
Response: 6838059
Conc: 1.14 ng/ml



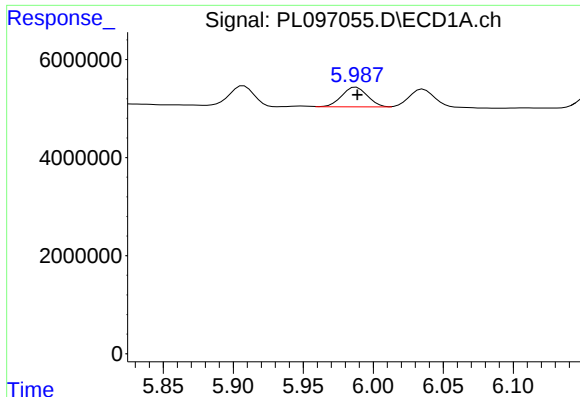
#10 gamma-Chlordane

R.T.: 5.907 min
Delta R.T.: 0.000 min
Response: 4985400
Conc: 1.08 ng/ml



#10 gamma-Chlordane

R.T.: 5.044 min
Delta R.T.: -0.002 min
Response: 6807914
Conc: 1.03 ng/ml m



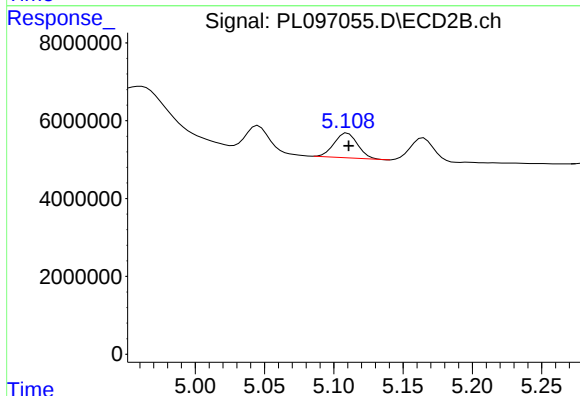
#11 alpha-Chlordane

R.T.: 5.987 min
Delta R.T.: -0.002 min
Response: 5111645
Conc: 1.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

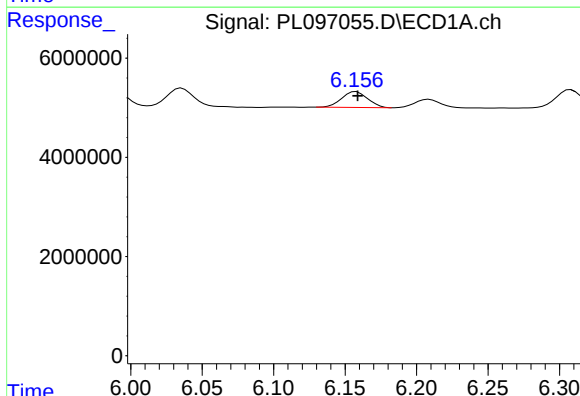
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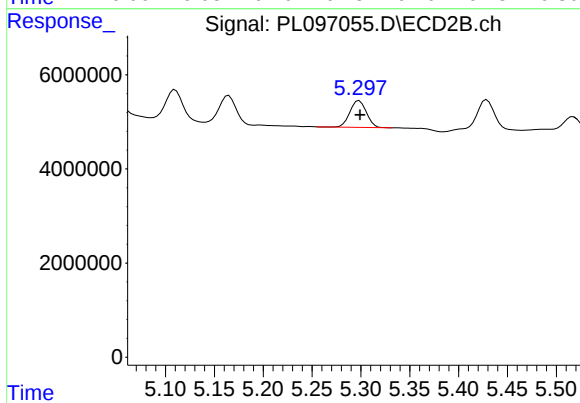
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: 0.000 min
Response: 7534019
Conc: 1.15 ng/ml



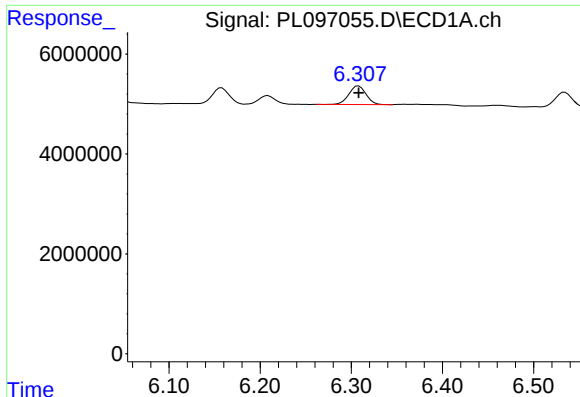
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: -0.003 min
Response: 4065546
Conc: 1.02 ng/ml m



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: 0.000 min
Response: 6702048
Conc: 1.09 ng/ml



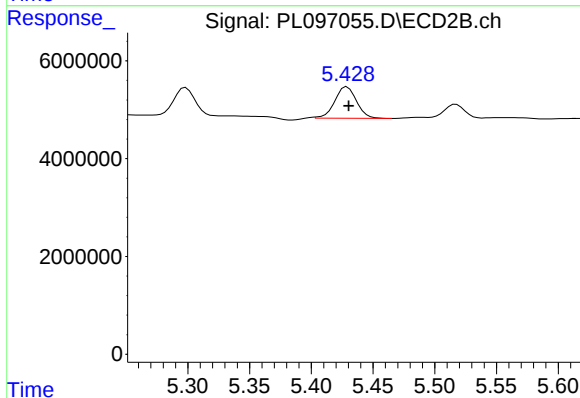
#13 Dieldrin

R.T.: 6.308 min
Delta R.T.: 0.000 min
Response: 4891654
Conc: 1.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

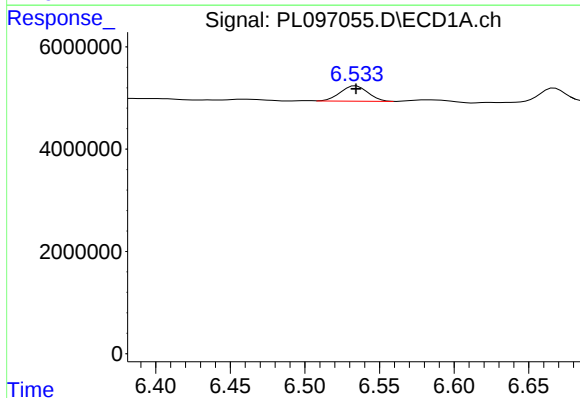
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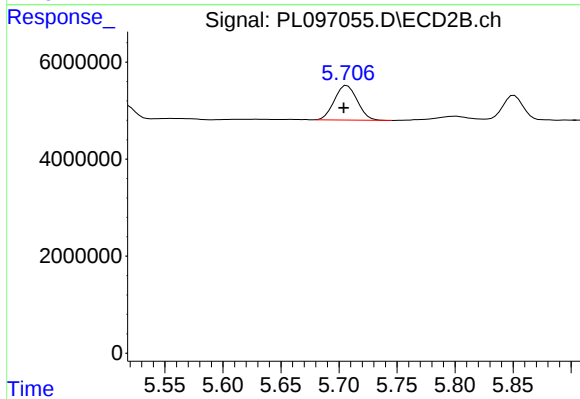
#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: -0.003 min
Response: 7915037
Conc: 1.21 ng/ml m



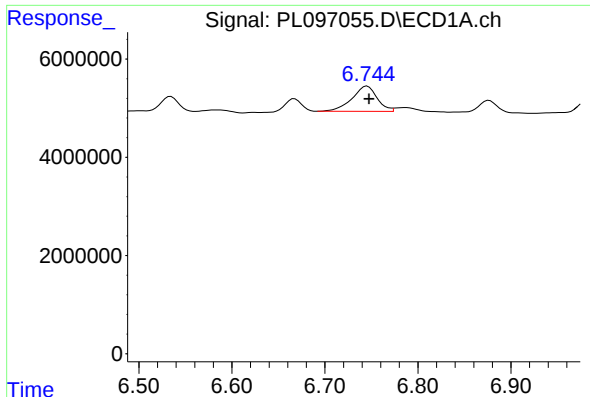
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.001 min
Response: 3873624
Conc: 1.03 ng/ml m



#14 Endrin

R.T.: 5.707 min
Delta R.T.: 0.003 min
Response: 9754515
Conc: 1.65 ng/ml



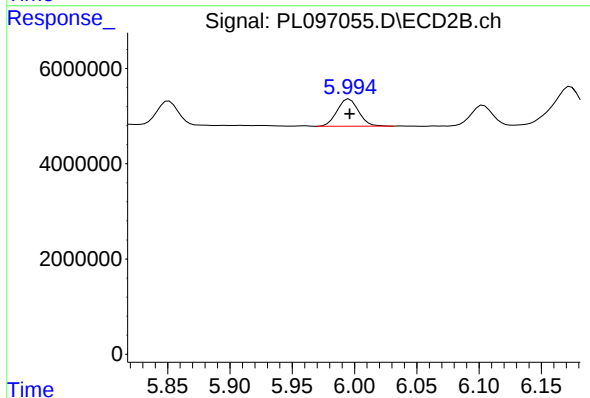
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.003 min
Response: 9640294
Conc: 2.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

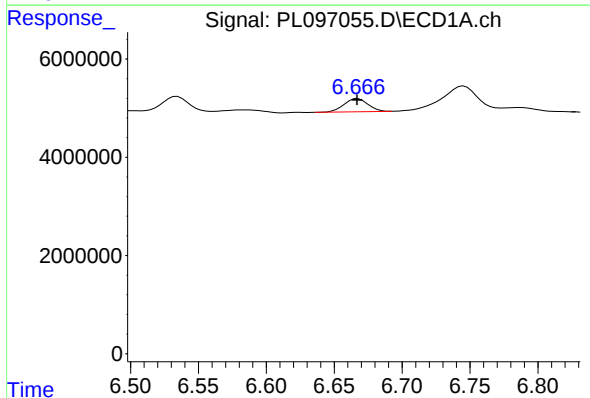
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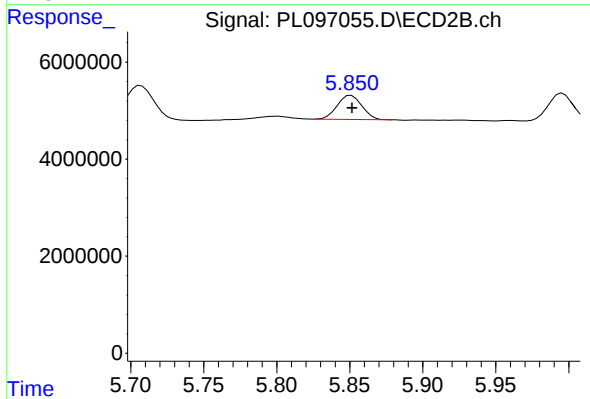
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: 0.000 min
Response: 6851922
Conc: 1.20 ng/ml



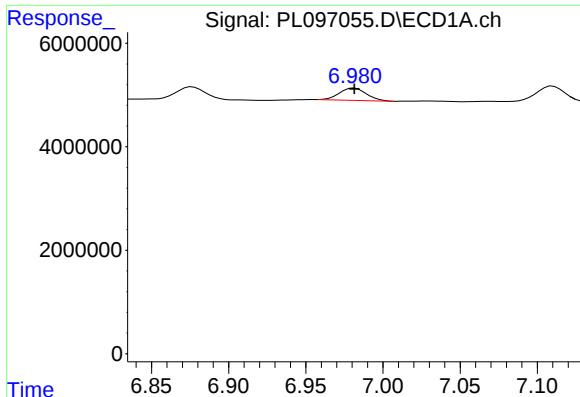
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: -0.001 min
Response: 3317890
Conc: 1.05 ng/ml m



#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.002 min
Response: 5842054
Conc: 1.12 ng/ml m



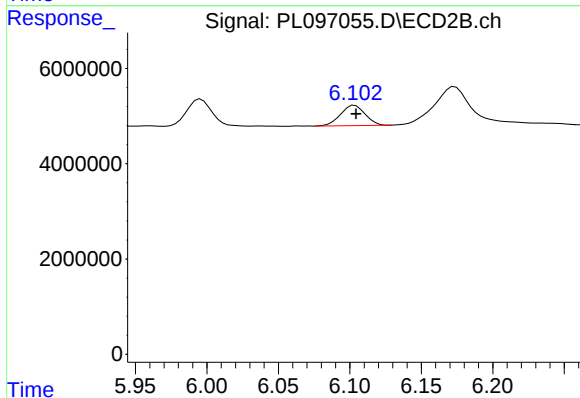
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: -0.001 min
Response: 2873854
Conc: 0.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

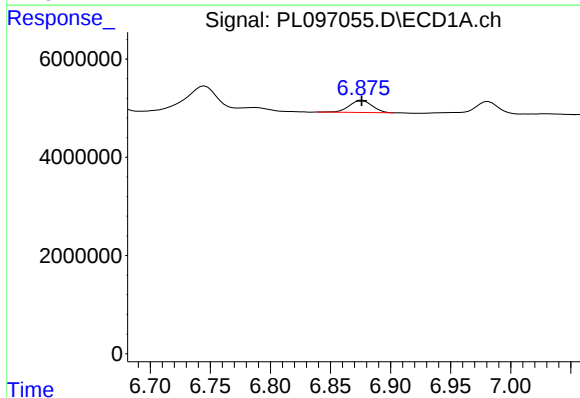
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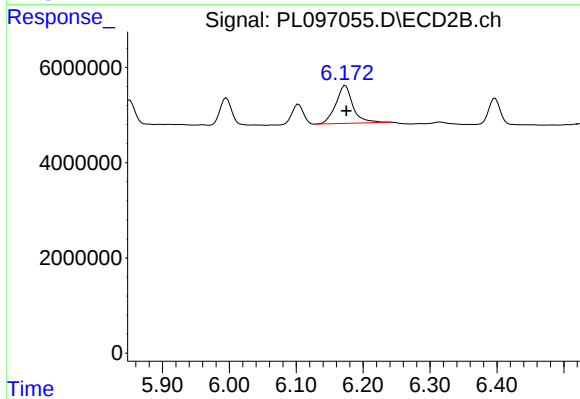
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: 0.000 min
Response: 5109282
Conc: 0.93 ng/ml



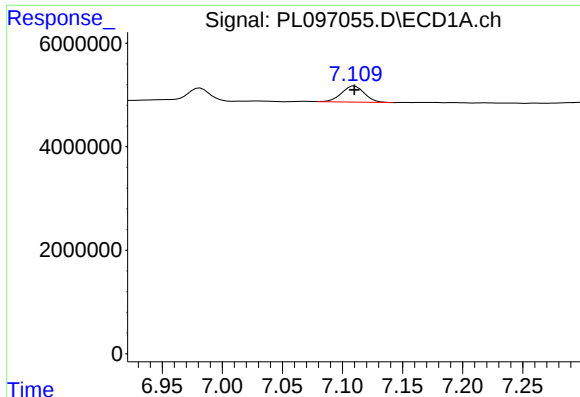
#18 Endrin aldehyde

R.T.: 6.875 min
Delta R.T.: 0.000 min
Response: 3285205
Conc: 1.26 ng/ml m



#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 14208569
Conc: 2.95 ng/ml



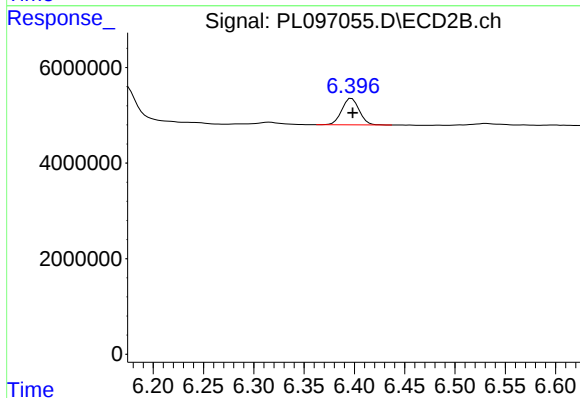
#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: -0.001 min
Response: 4078072
Conc: 1.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
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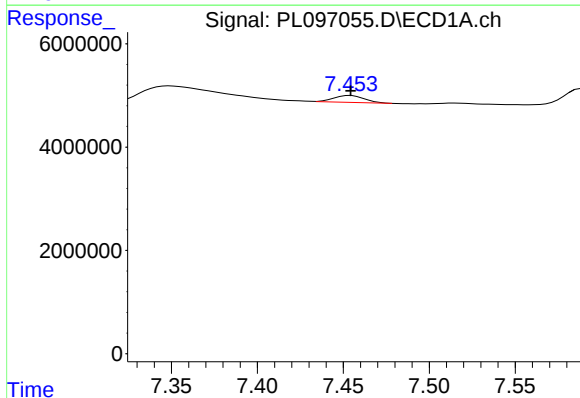
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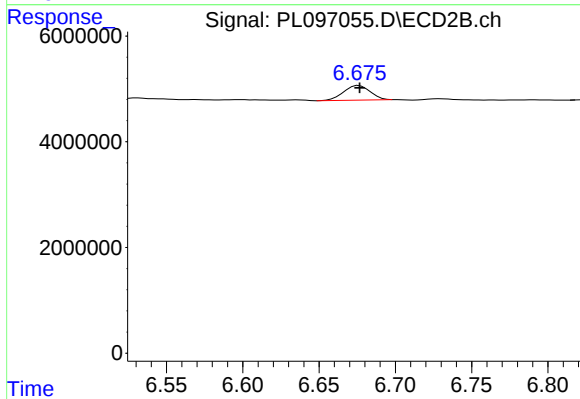
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 6700952
Conc: 1.20 ng/ml



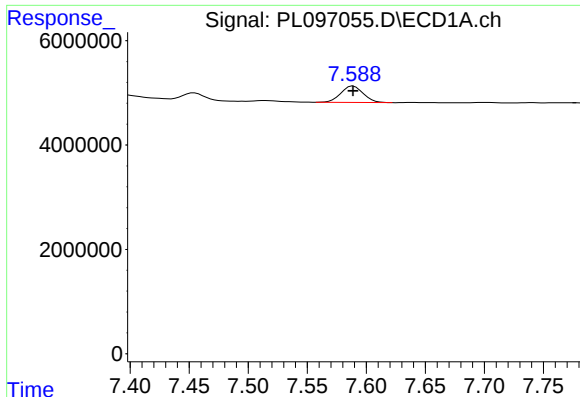
#20 Methoxychlor

R.T.: 7.453 min
Delta R.T.: -0.001 min
Response: 1608505
Conc: 0.93 ng/ml m



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 3369824
Conc: 1.12 ng/ml m



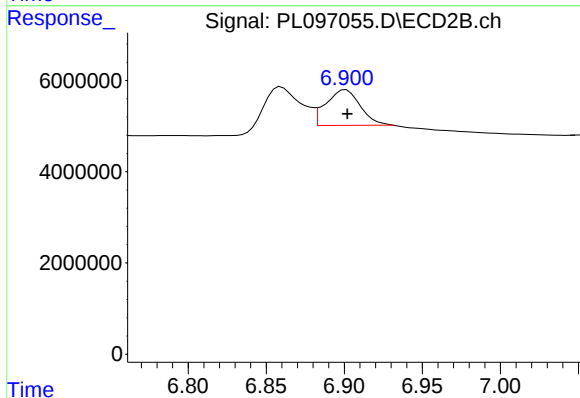
#21 Endrin ketone

R.T.: 7.588 min
Delta R.T.: -0.001 min
Response: 4185993
Conc: 1.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

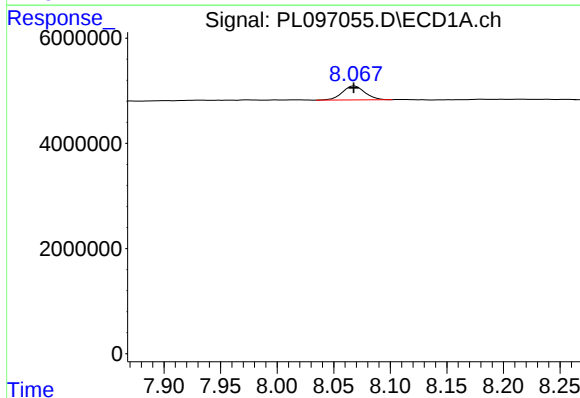
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



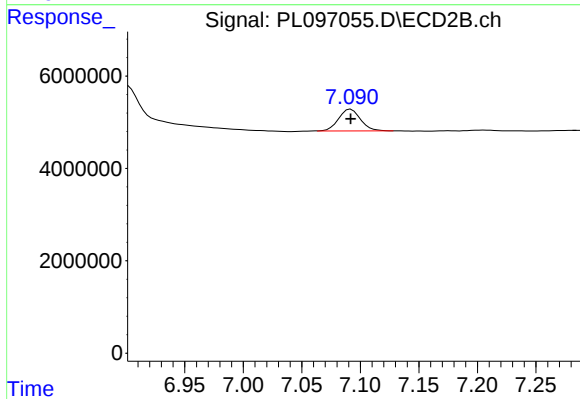
#21 Endrin ketone

R.T.: 6.900 min
Delta R.T.: -0.002 min
Response: 11649733
Conc: 1.86 ng/ml m



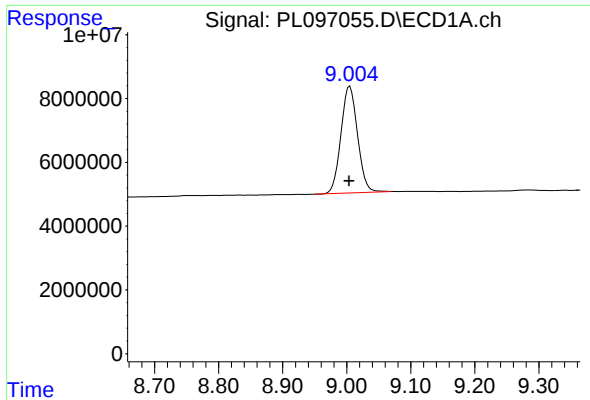
#22 Mirex

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 3689867
Conc: 1.23 ng/ml m



#22 Mirex

R.T.: 7.090 min
Delta R.T.: -0.001 min
Response: 6104435
Conc: 1.26 ng/ml m



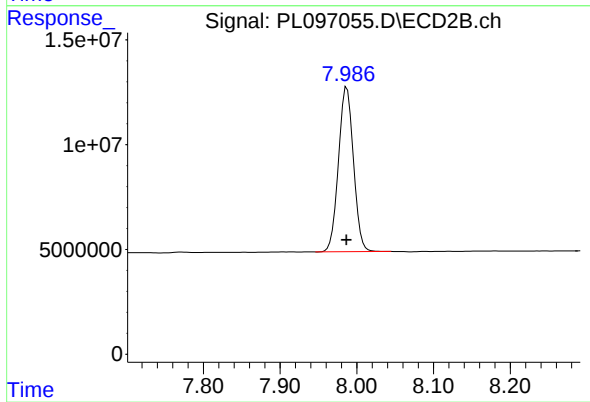
#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: 0.000 min
Response: 60100827
Conc: 20.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: 0.000 min
Response: 106957327
Conc: 22.30 ng/ml