

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091125\
 Data File : PL097121.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2025 12:58
 Operator : AR\AJ
 Sample : Q2893-07
 Misc : PEST LOD 1PPB
 ALS Vial : 6 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/11/2025
 Supervised By :mohammad ahmed 09/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 07:41:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 11 07:41:18 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...	3.526	2.819	70882914	104.9E6	18.254	18.609
28)	SA Decachlor...	9.002	7.982	58310229	106.7E6	19.695	22.240
Target Compounds							
2)	A alpha-BHC	3.972	3.324	5982844	8582732	1.033	1.045
3)	MA gamma-BHC...	4.300	3.656	5493093	7817396	1.006	1.061
4)	MA Heptachlor	4.891	4.004	5334807	8592994	1.000	1.142
5)	MB Aldrin	5.231	4.287	5887070	7904037	1.121	1.124
6)	B beta-BHC	4.486	3.951	3044706	3780266	1.331m	1.159m
7)	B delta-BHC	4.732	4.185	5411530	7529755	1.203m	1.025
8)	B Heptachlo...	5.649	4.788	6051455	10466873	1.176m	1.655m#
9)	A Endosulfan I	6.031	5.158	4573826	9635859	1.064m	1.608m#
10)	B gamma-Chl...	5.905	5.039	4647380	8218883	1.009	1.243m
11)	B alpha-Chl...	5.984	5.105	9132704	6652398	1.941	1.019 #
12)	B 4,4'-DDE	6.156	5.293	8339474	6896805	2.090m	1.121m#
13)	MA Dieldrin	6.304	5.423	4157565	11769966	0.916m	1.796m#
14)	MA Endrin	6.532	5.699	6013360	6961365	1.606m	1.178 #
15)	B Endosulfa...	6.739	5.990	7693482	6588777	1.747m	1.152m#
16)	A 4,4'-DDD	6.666	5.847	3395023	4711587	1.076m	0.902
17)	MA 4,4'-DDT	6.977	6.101	3329454	12109661	0.951m	2.211m#
18)	B Endrin al...	6.873	6.166	3469839	12931319	1.334m	2.689m#
19)	B Endosulfa...	7.105	6.391	4286610	7315469	1.249m	1.306m
20)	A Methoxychlor	7.450	6.670	1734656	4187213	1.000m	1.396m#
21)	B Endrin ke...	7.585	6.897	3846076	7211233	1.082m	1.152
22)	Mirex	8.063	7.086	3273607	6150161	1.094m	1.266m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091125\
Data File : PL097121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2025 12:58
Operator : AR\AJ
Sample : Q2893-07
Misc : PEST LOD 1PPB
ALS Vial : 6 Sample Multiplier: 1

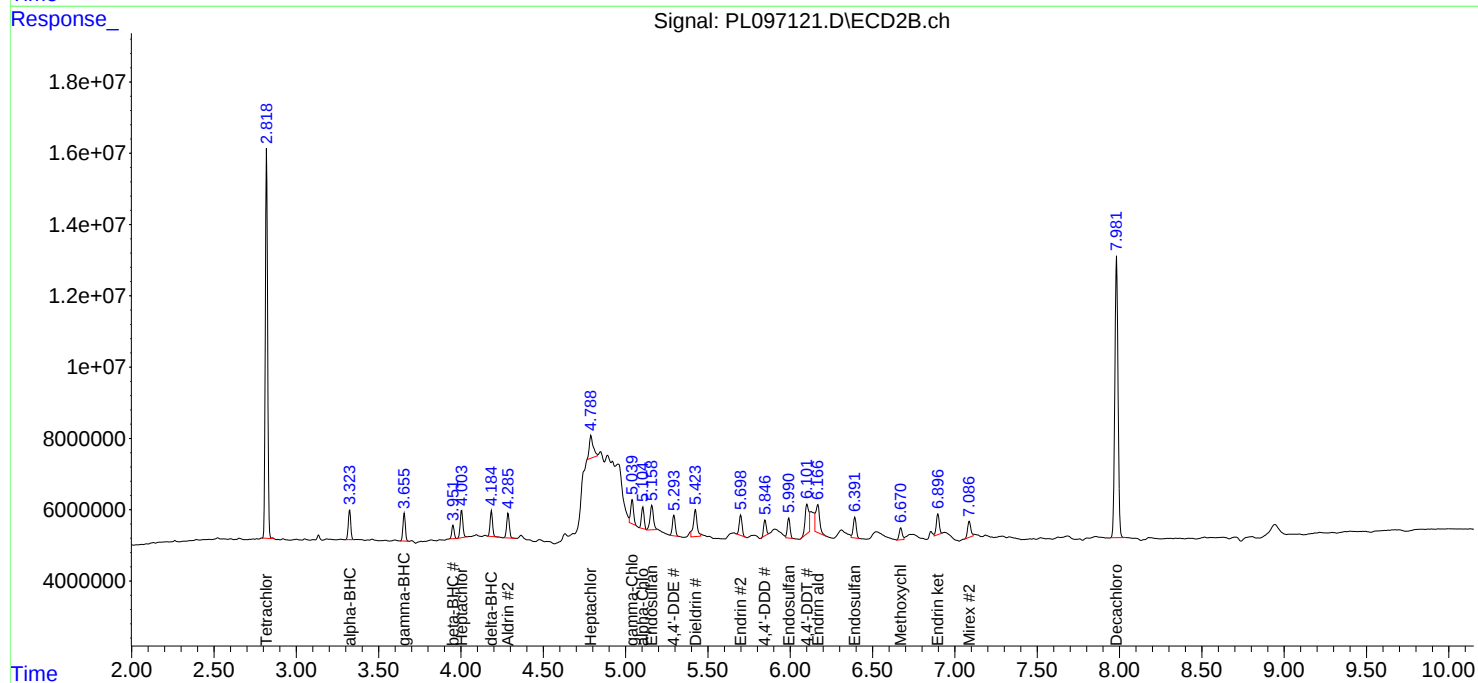
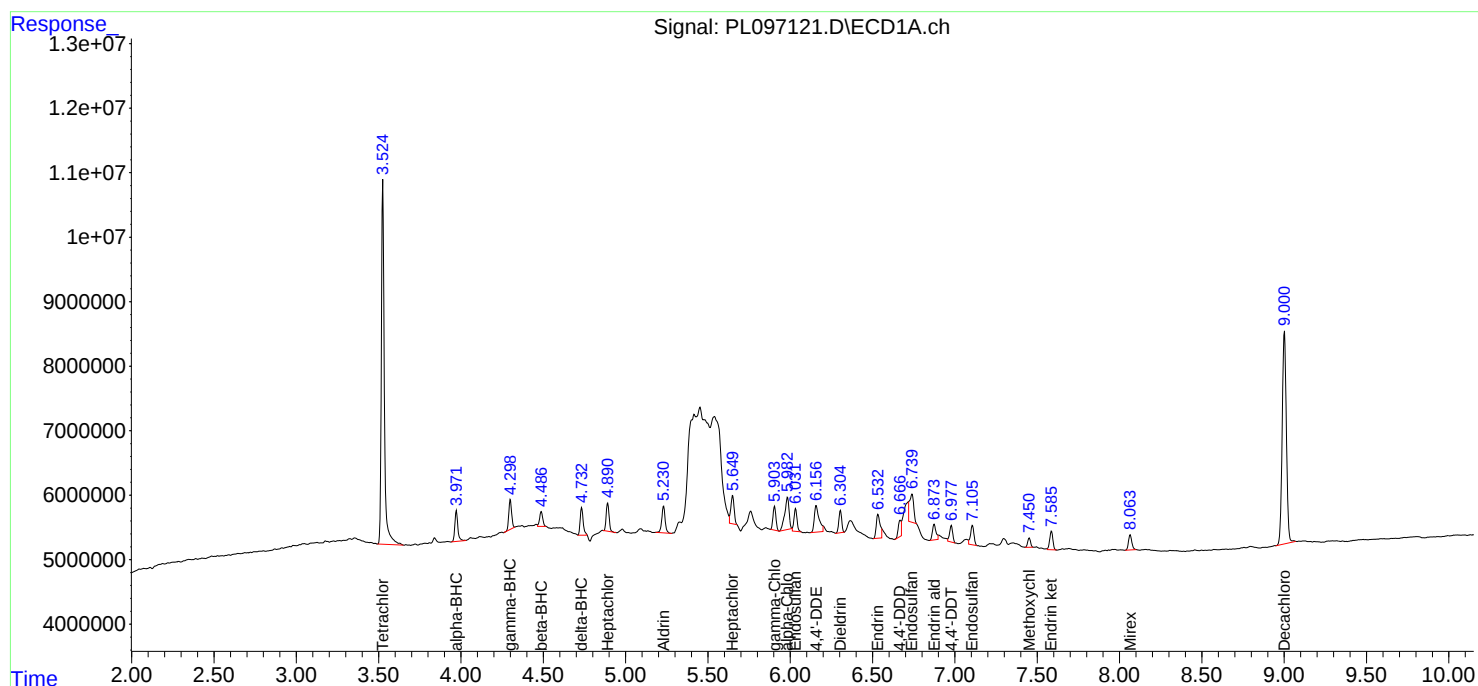
Instrument :
ECD_L
ClientSampleId :
LOD-MDL-WATER-01-QT3-2025

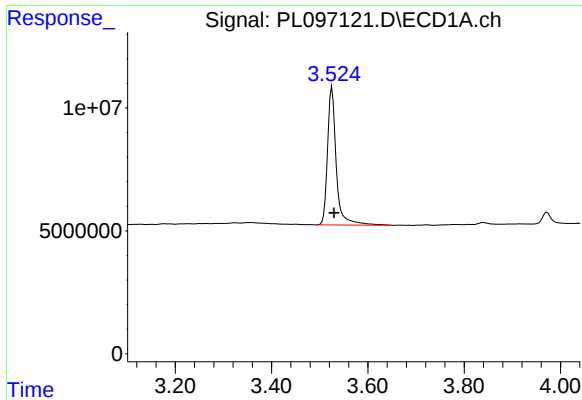
Manual Integrations
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Supervised By :mohammad ahmed 09/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 07:41:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Thu Sep 11 07:41:18 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





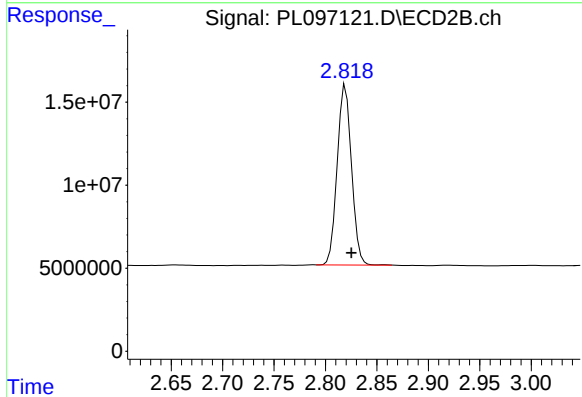
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: -0.004 min
Response: 70882914
Conc: 18.25 ng/ml

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

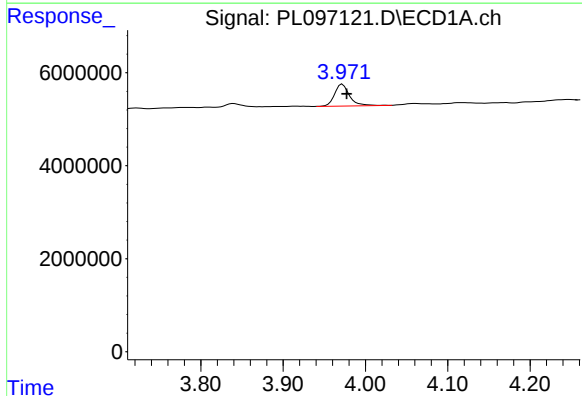
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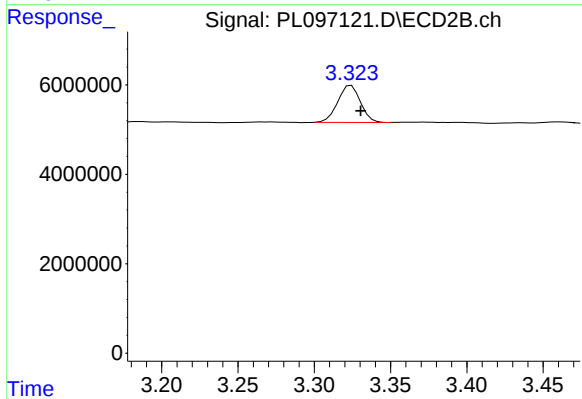
#1 Tetrachloro-m-xylene

R.T.: 2.819 min
Delta R.T.: -0.006 min
Response: 104895174
Conc: 18.61 ng/ml



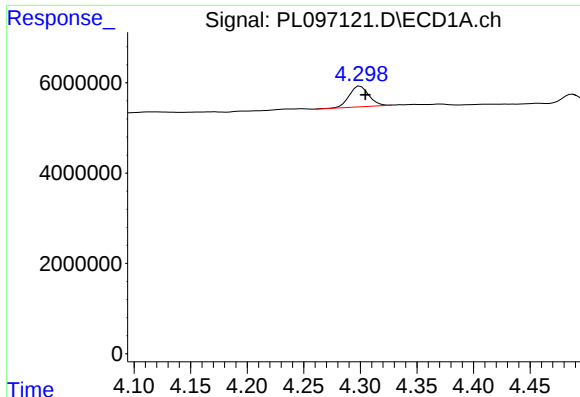
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: -0.005 min
Response: 5982844
Conc: 1.03 ng/ml



#2 alpha-BHC

R.T.: 3.324 min
Delta R.T.: -0.006 min
Response: 8582732
Conc: 1.05 ng/ml



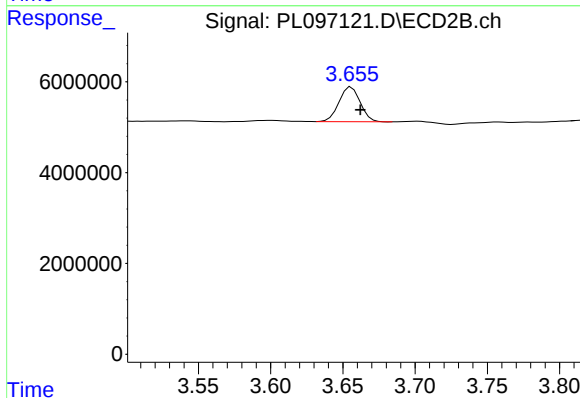
#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: -0.005 min
Response: 5493093
Conc: 1.01 ng/ml

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

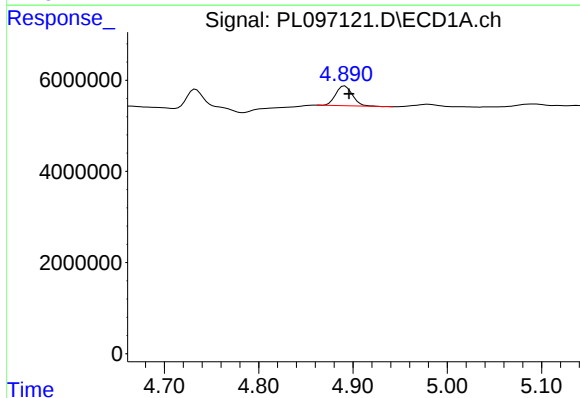
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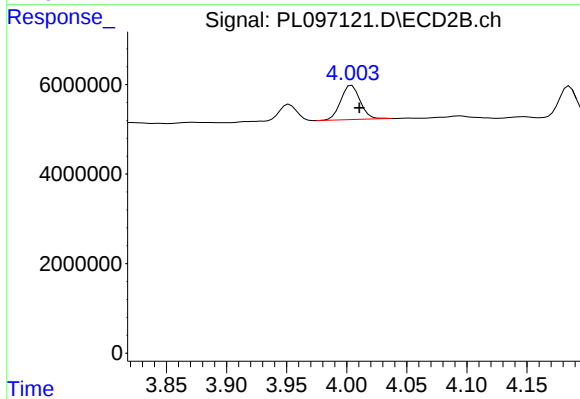
#3 gamma-BHC (Lindane)

R.T.: 3.656 min
Delta R.T.: -0.006 min
Response: 7817396
Conc: 1.06 ng/ml



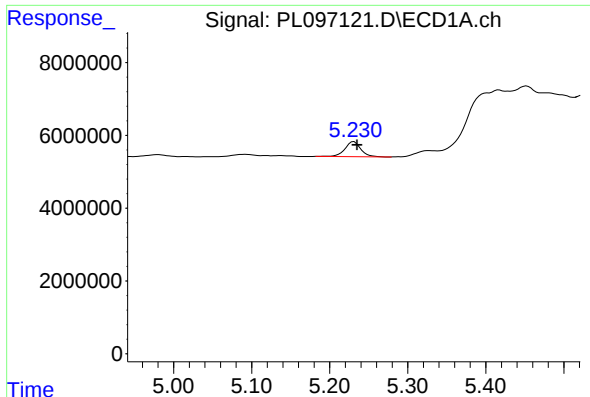
#4 Heptachlor

R.T.: 4.891 min
Delta R.T.: -0.005 min
Response: 5334807
Conc: 1.00 ng/ml



#4 Heptachlor

R.T.: 4.004 min
Delta R.T.: -0.006 min
Response: 8592994
Conc: 1.14 ng/ml



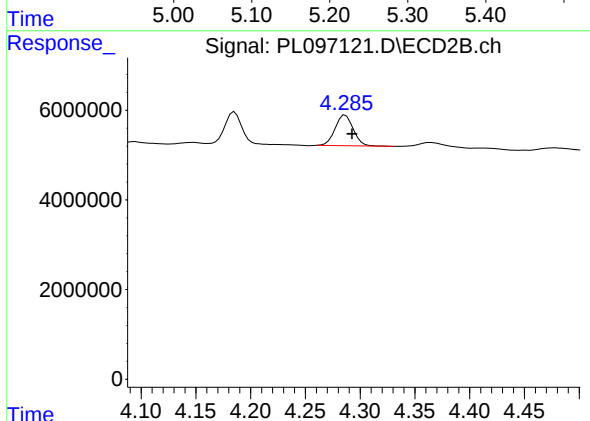
#5 Aldrin

R.T.: 5.231 min
Delta R.T.: -0.004 min
Response: 5887070
Conc: 1.12 ng/ml

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

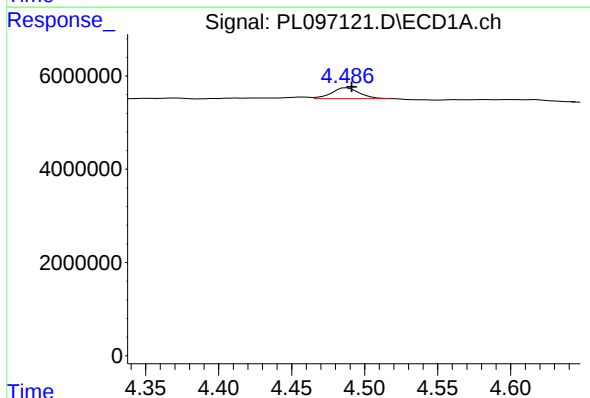
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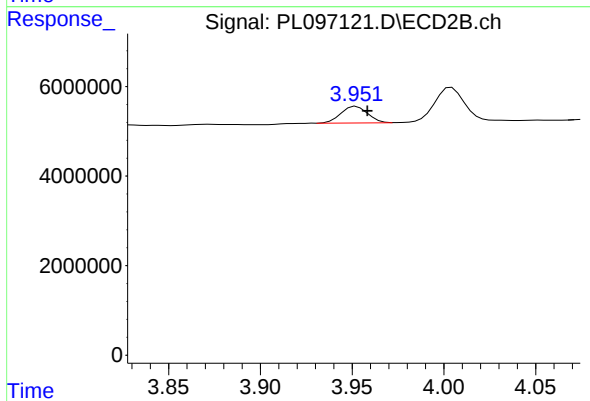
#5 Aldrin

R.T.: 4.287 min
Delta R.T.: -0.006 min
Response: 7904037
Conc: 1.12 ng/ml



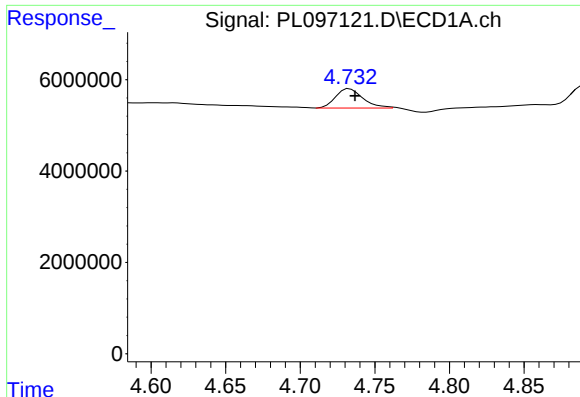
#6 beta-BHC

R.T.: 4.486 min
Delta R.T.: -0.005 min
Response: 3044706
Conc: 1.33 ng/ml m



#6 beta-BHC

R.T.: 3.951 min
Delta R.T.: -0.007 min
Response: 3780266
Conc: 1.16 ng/ml m



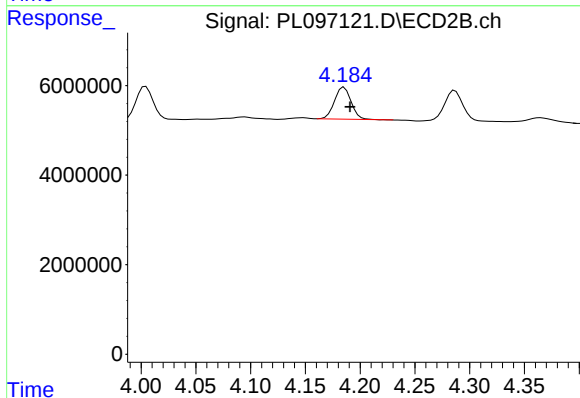
#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: -0.005 min
Response: 5411530
Conc: 1.20 ng/ml

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

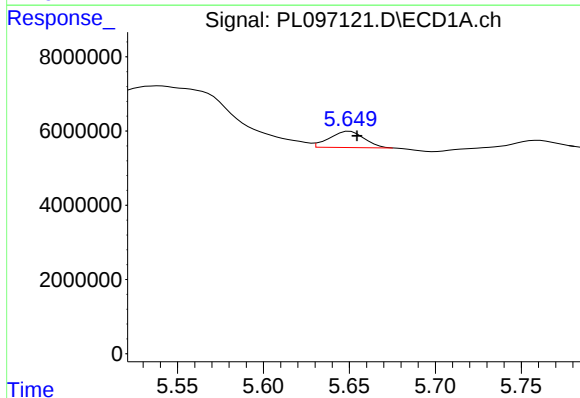
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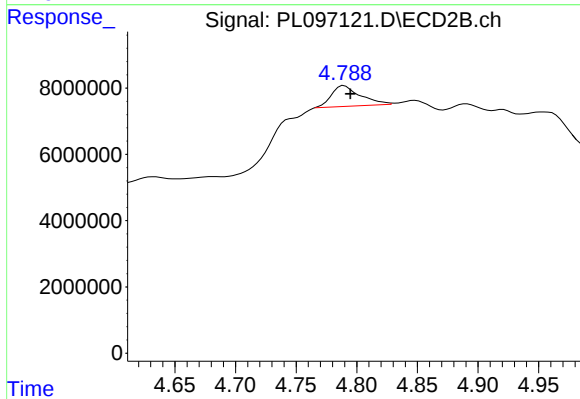
#7 delta-BHC

R.T.: 4.185 min
Delta R.T.: -0.005 min
Response: 7529755
Conc: 1.02 ng/ml



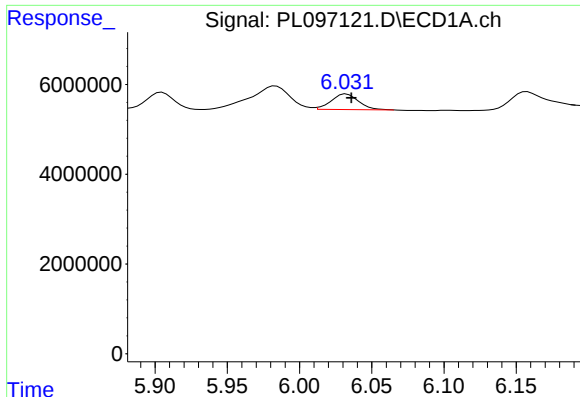
#8 Heptachlor epoxide

R.T.: 5.649 min
Delta R.T.: -0.006 min
Response: 6051455
Conc: 1.18 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.788 min
Delta R.T.: -0.006 min
Response: 10466873
Conc: 1.65 ng/ml m



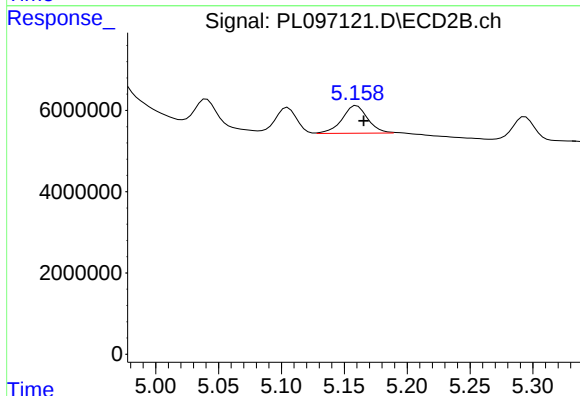
#9 Endosulfan I

R.T.: 6.031 min
Delta R.T.: -0.005 min
Response: 4573826
Conc: 1.06 ng/ml

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

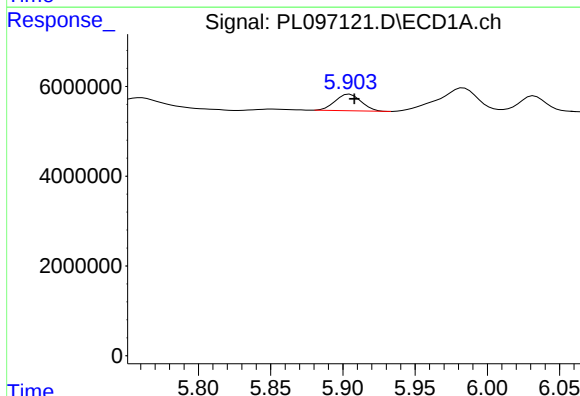
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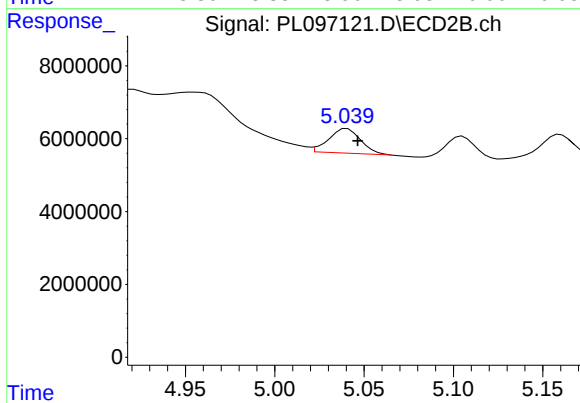
#9 Endosulfan I

R.T.: 5.158 min
Delta R.T.: -0.007 min
Response: 9635859
Conc: 1.61 ng/ml m



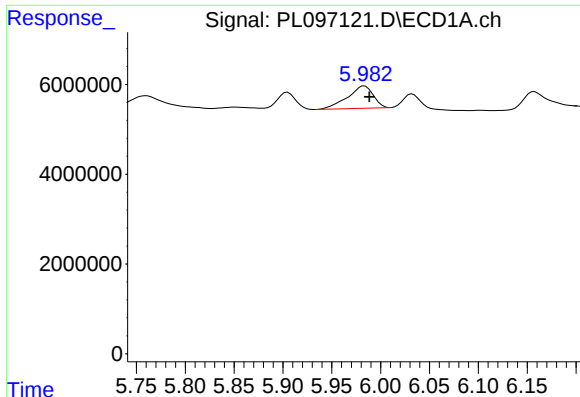
#10 gamma-Chlordane

R.T.: 5.905 min
Delta R.T.: -0.003 min
Response: 4647380
Conc: 1.01 ng/ml



#10 gamma-Chlordane

R.T.: 5.039 min
Delta R.T.: -0.007 min
Response: 8218883
Conc: 1.24 ng/ml m



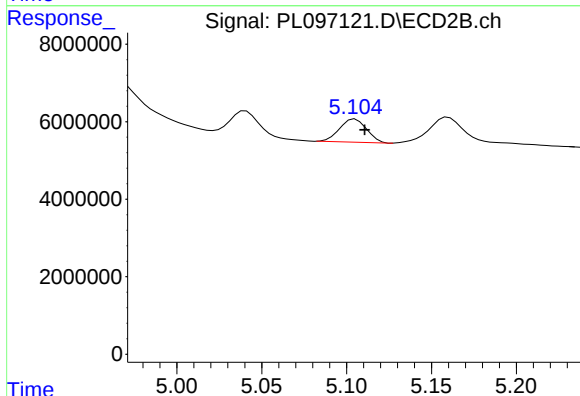
#11 alpha-Chlordane

R.T.: 5.984 min
Delta R.T.: -0.005 min
Response: 9132704
Conc: 1.94 ng/ml

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

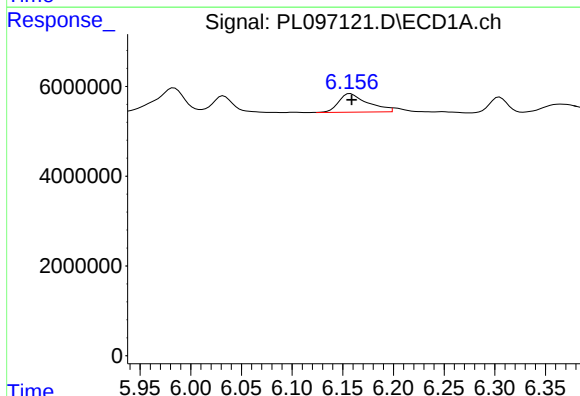
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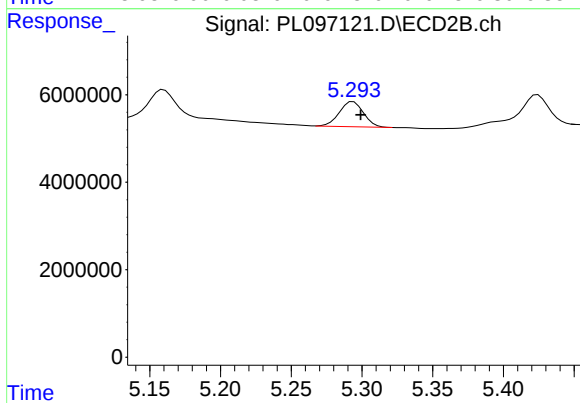
#11 alpha-Chlordane

R.T.: 5.105 min
Delta R.T.: -0.005 min
Response: 6652398
Conc: 1.02 ng/ml



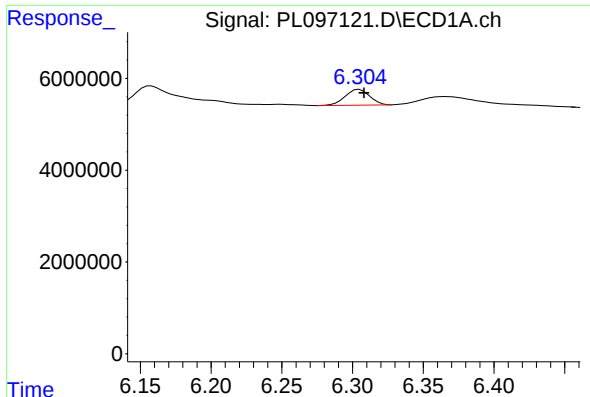
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: -0.003 min
Response: 8339474
Conc: 2.09 ng/ml m



#12 4,4'-DDE

R.T.: 5.293 min
Delta R.T.: -0.007 min
Response: 6896805
Conc: 1.12 ng/ml m



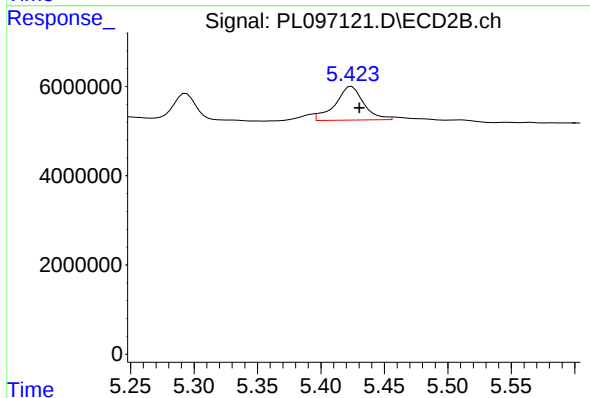
#13 Dieldrin

R.T.: 6.304 min
Delta R.T.: -0.005 min
Response: 4157565
Conc: 0.92 ng/ml

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

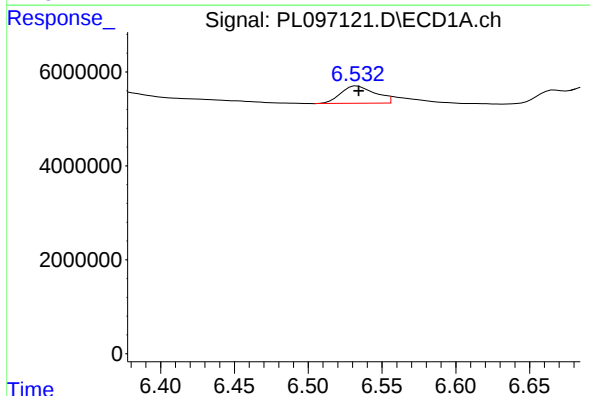
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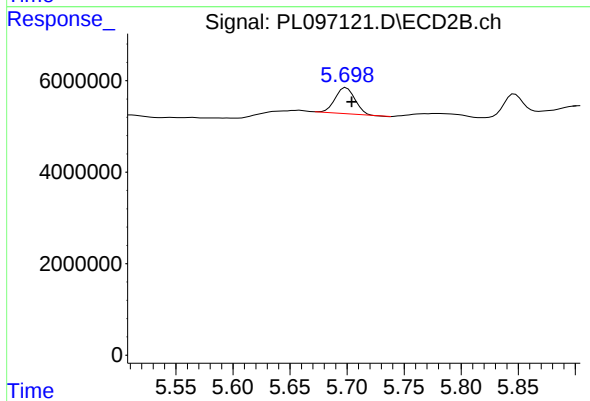
#13 Dieldrin

R.T.: 5.423 min
Delta R.T.: -0.007 min
Response: 11769966
Conc: 1.80 ng/ml m



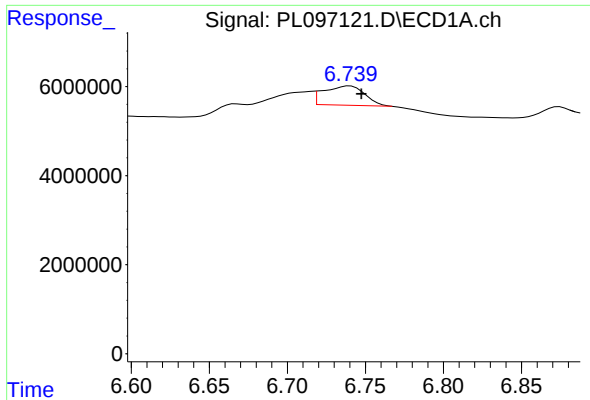
#14 Endrin

R.T.: 6.532 min
Delta R.T.: -0.003 min
Response: 6013360
Conc: 1.61 ng/ml m



#14 Endrin

R.T.: 5.699 min
Delta R.T.: -0.005 min
Response: 6961365
Conc: 1.18 ng/ml



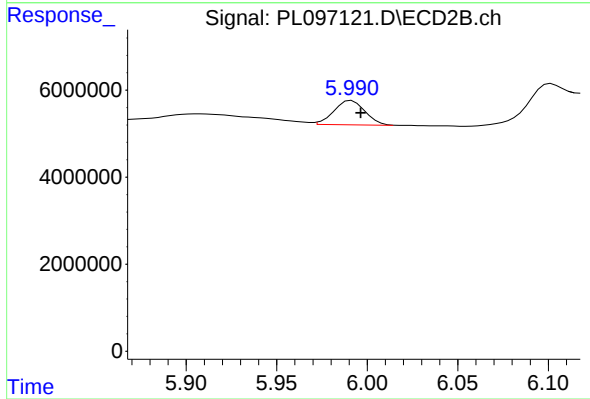
#15 Endosulfan II

R.T.: 6.739 min
Delta R.T.: -0.009 min
Response: 7693482
Conc: 1.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
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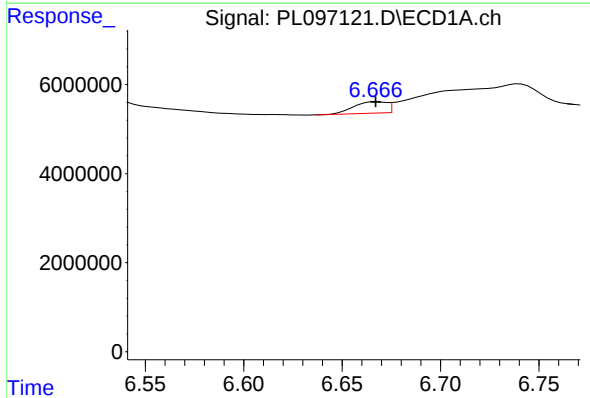
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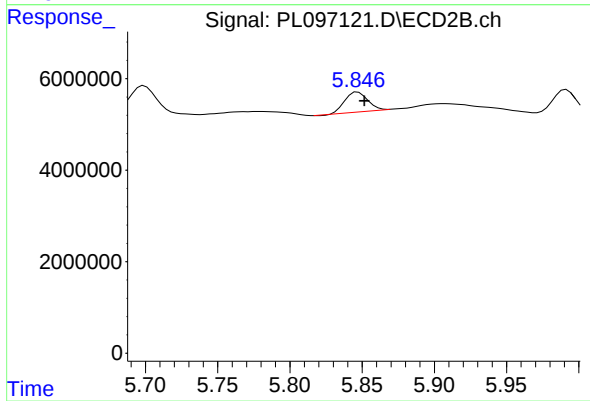
#15 Endosulfan II

R.T.: 5.990 min
Delta R.T.: -0.006 min
Response: 6588777
Conc: 1.15 ng/ml m



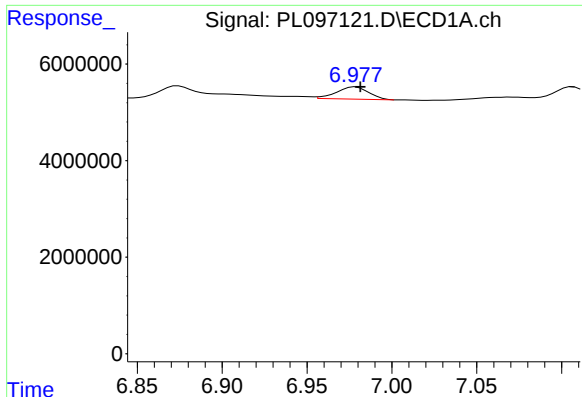
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: -0.001 min
Response: 3395023
Conc: 1.08 ng/ml m



#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: -0.004 min
Response: 4711587
Conc: 0.90 ng/ml



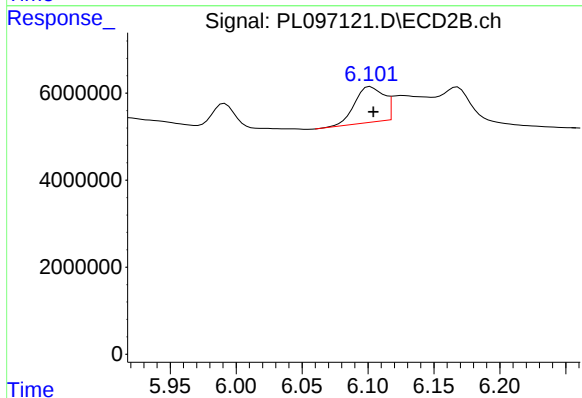
#17 4,4'-DDT

R.T.: 6.977 min
Delta R.T.: -0.004 min
Response: 3329454
Conc: 0.95 ng/ml

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

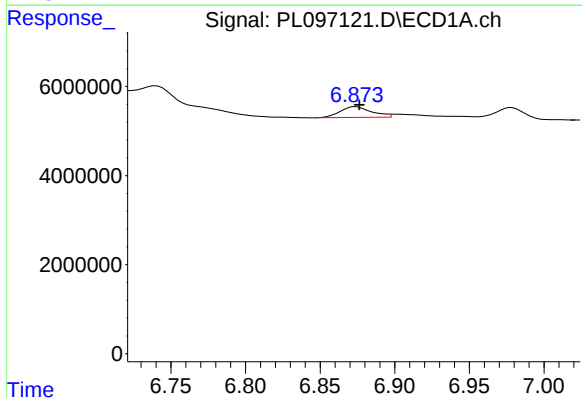
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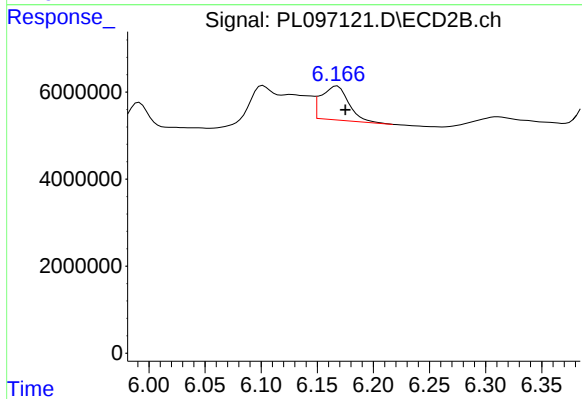
#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: -0.004 min
Response: 12109661
Conc: 2.21 ng/ml m



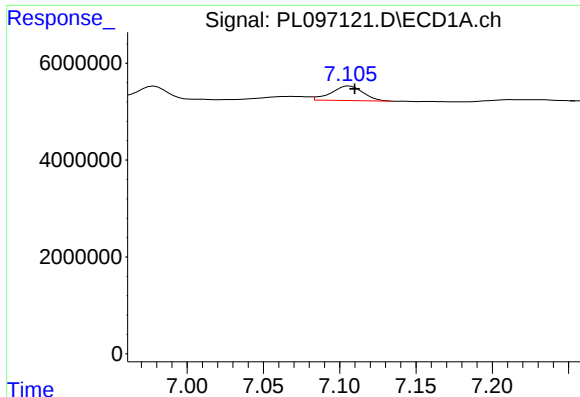
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.004 min
Response: 3469839
Conc: 1.33 ng/ml m



#18 Endrin aldehyde

R.T.: 6.166 min
Delta R.T.: -0.009 min
Response: 12931319
Conc: 2.69 ng/ml m



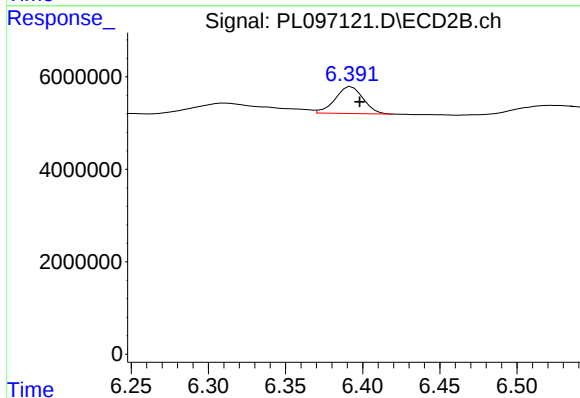
#19 Endosulfan Sulfate

R.T.: 7.105 min
Delta R.T.: -0.005 min
Response: 4286610
Conc: 1.25 ng/ml

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

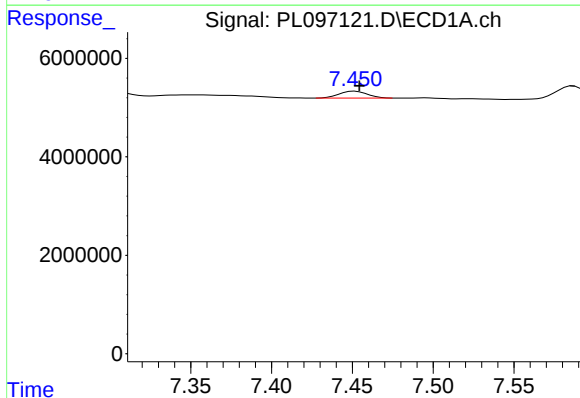
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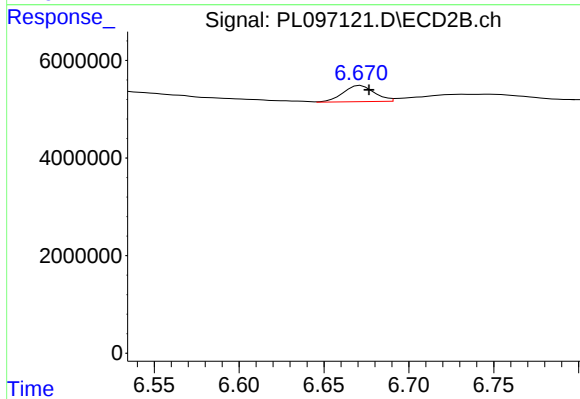
#19 Endosulfan Sulfate

R.T.: 6.391 min
Delta R.T.: -0.007 min
Response: 7315469
Conc: 1.31 ng/ml m



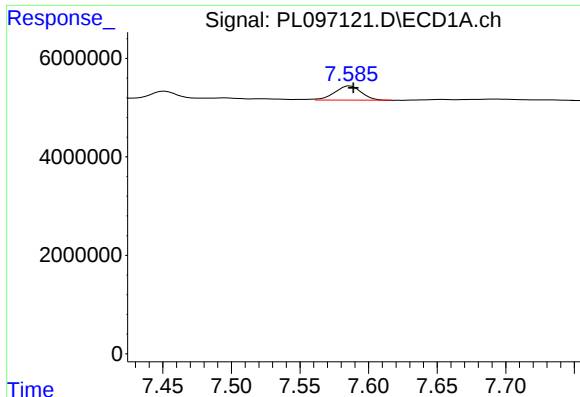
#20 Methoxychlor

R.T.: 7.450 min
Delta R.T.: -0.004 min
Response: 1734656
Conc: 1.00 ng/ml m



#20 Methoxychlor

R.T.: 6.670 min
Delta R.T.: -0.006 min
Response: 4187213
Conc: 1.40 ng/ml m



#21 Endrin ketone

R.T.: 7.585 min
Delta R.T.: -0.004 min
Response: 3846076
Conc: 1.08 ng/ml

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

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 09/11/2025
Supervised By :mohammad ahmed 09/16/2025

#21 Endrin ketone

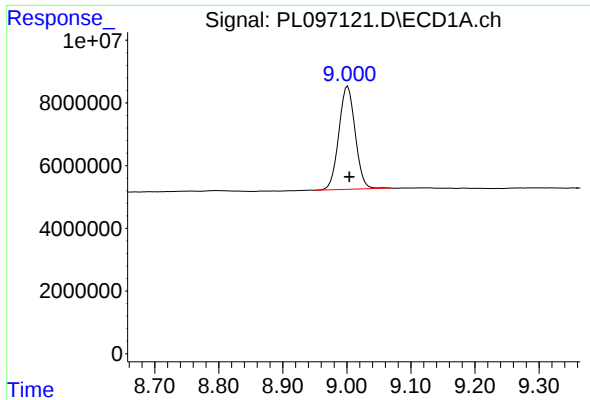
R.T.: 6.897 min
Delta R.T.: -0.005 min
Response: 7211233
Conc: 1.15 ng/ml

#22 Mirex

R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 3273607
Conc: 1.09 ng/ml m

#22 Mirex

R.T.: 7.086 min
Delta R.T.: -0.006 min
Response: 6150161
Conc: 1.27 ng/ml m



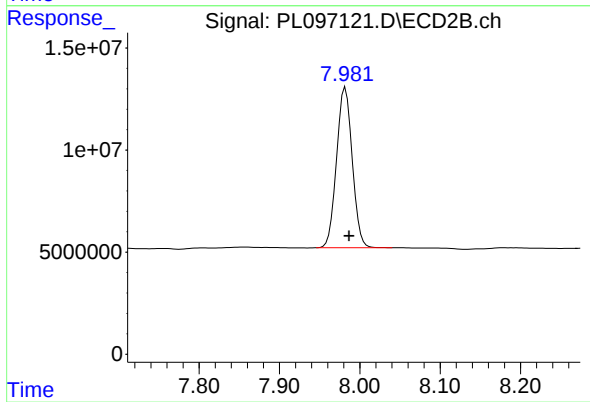
#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.002 min
Response: 58310229
Conc: 19.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.005 min
Response: 106656095
Conc: 22.24 ng/ml