

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071025\
 Data File : PL096300.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jul 2025 12:18
 Operator : AR\AJ
 Sample : Q2126-09
 Misc : MDL PEST 1PPB
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MDL-WATER-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 23:00:25 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	64070000	95426576	17.558	16.535
28)	SA Decachlor...	9.023	7.996	54685903	88747391	19.440	17.798
Target Compounds							
2)	A alpha-BHC	3.984	3.333	4284859	6563059	0.833	0.778
3)	MA gamma-BHC...	4.313	3.665	4352210	6400201	0.874	0.813
4)	MA Heptachlor	4.904	4.015	5188662	6289219	1.133m	0.827 #
5)	MB Aldrin	5.244	4.298	4200944	5769211	0.869m	0.791
6)	B beta-BHC	4.497	3.960	2177421	3310845	1.047m	0.967m
7)	B delta-BHC	4.744	4.195	5984779	6553172	1.335m	0.851 #
8)	B Heptachlo...	5.663	4.801	5413730	8795922	1.305m	1.316m
9)	A Endosulfan I	6.046	5.171	4256825	6056644	1.054m	0.844
10)	B gamma-Chl...	5.917	5.053	4456909	6491775	1.007m	0.925
11)	B alpha-Chl...	5.998	5.117	4376735	6443248	1.000m	0.857
12)	B 4,4'-DDE	6.168	5.306	3423461	5449838	0.923m	0.843
13)	MA Dieldrin	6.318	5.435	4163982	6407145	0.985m	0.940m
14)	MA Endrin	6.545	5.712	3054114	5944085	0.982m	0.975
15)	B Endosulfa...	6.756	6.003	4903070	5753780	1.413m	0.981 #
16)	A 4,4'-DDD	6.677	5.857	2819768	5330197	0.968m	1.039m
17)	MA 4,4'-DDT	6.992	6.110	2646705	4488568	0.872m	0.783m
18)	B Endrin al...	6.886	6.179	2636259	6521669	1.179m	1.464m
19)	B Endosulfa...	7.120	6.405	3498520	5725887	1.144m	1.018
20)	A Methoxychlor	7.467	6.683	1884097	2794285	1.196m	0.920m
21)	B Endrin ke...	7.601	6.909	3750857	8594667	1.136	1.375
22)	Mirex	8.079	7.101	3303481	5821510	1.187m	1.172

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071025\
Data File : PL096300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 12:18
Operator : AR\AJ
Sample : Q2126-09
Misc : MDL PEST 1PPB
ALS Vial : 7 Sample Multiplier: 1

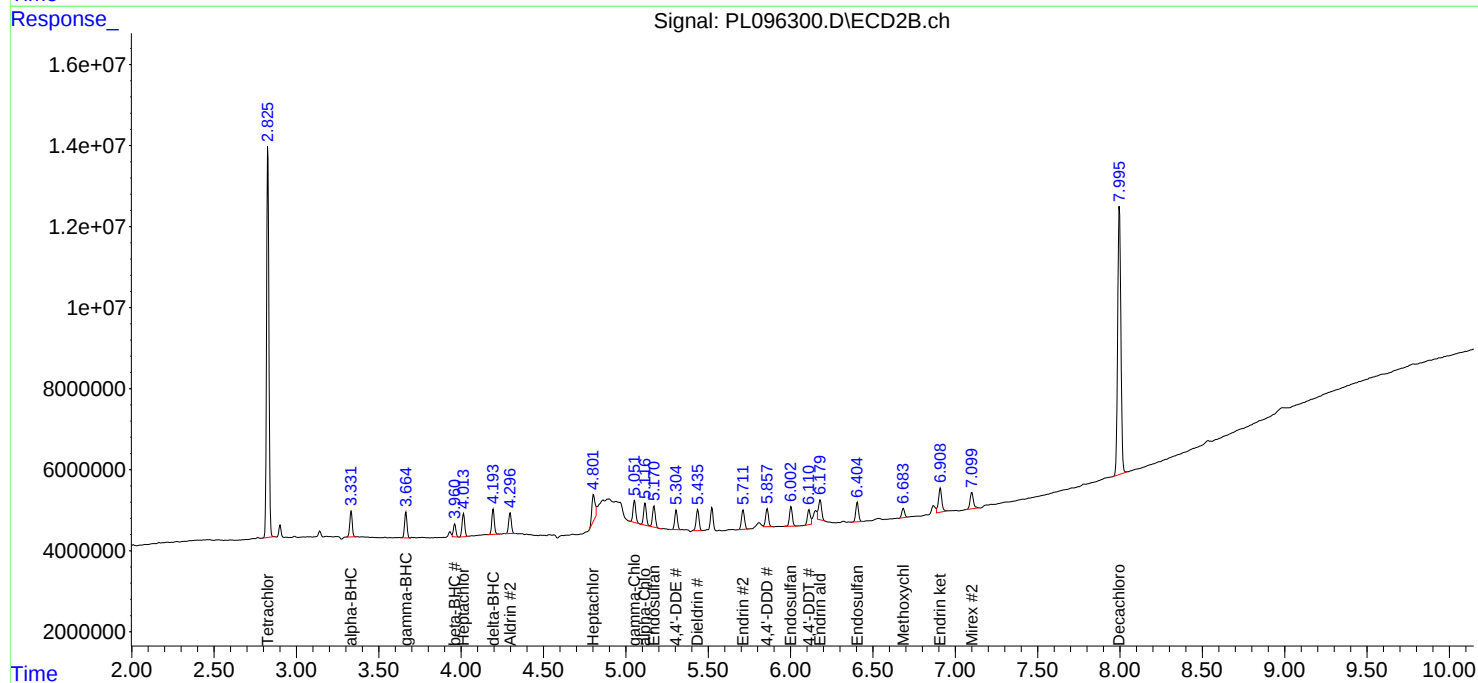
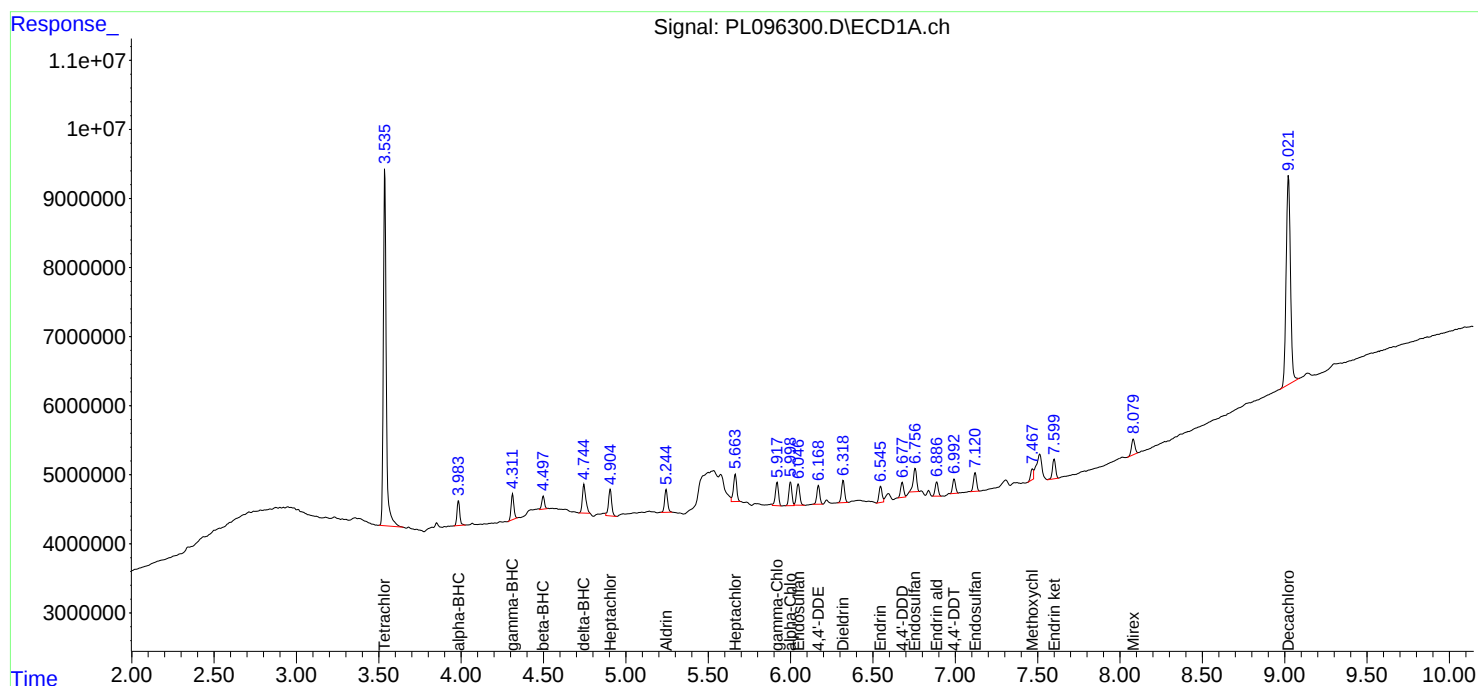
Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT2-2025

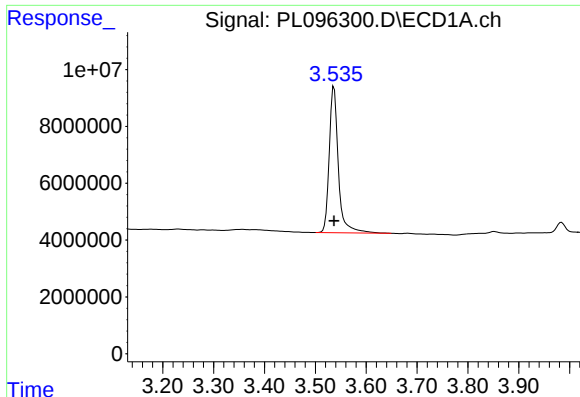
Manual Integrations
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Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:00:25 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





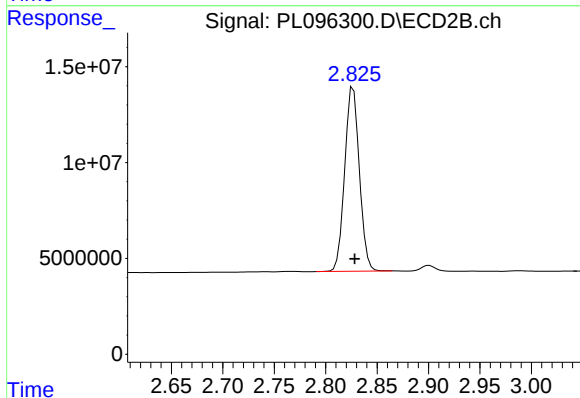
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 64070000
Conc: 17.56 ng/ml

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

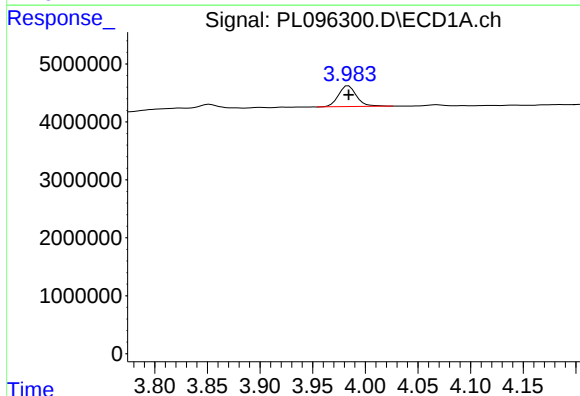
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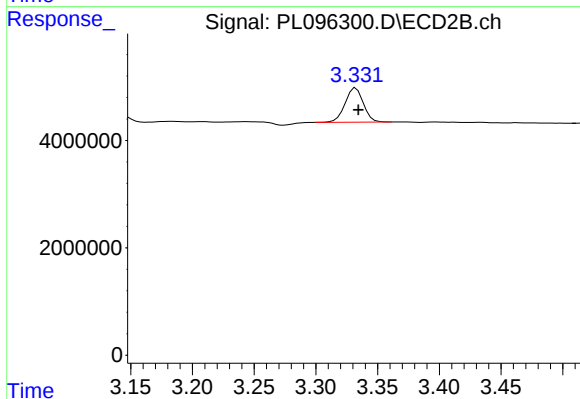
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 95426576
Conc: 16.53 ng/ml



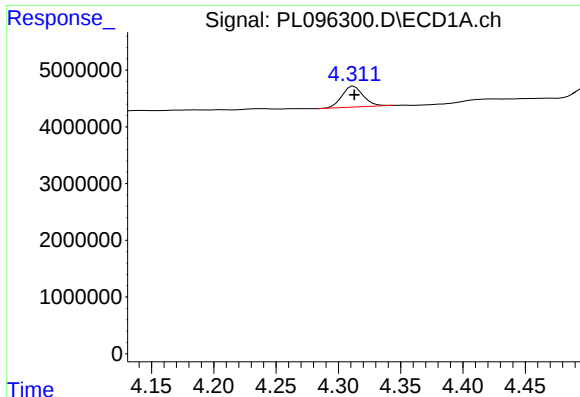
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 4284859
Conc: 0.83 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.002 min
Response: 6563059
Conc: 0.78 ng/ml



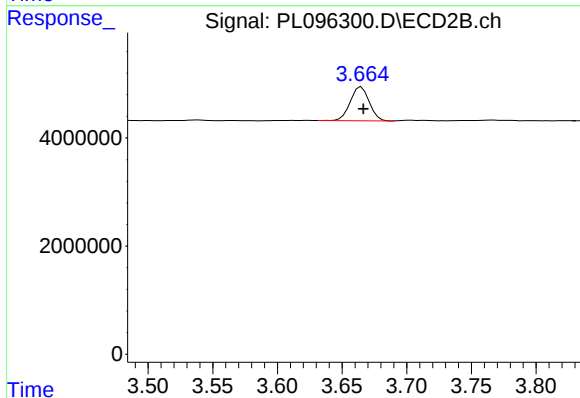
#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 4352210
Conc: 0.87 ng/ml

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

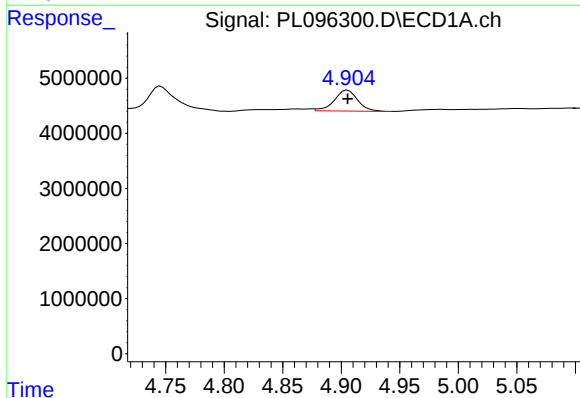
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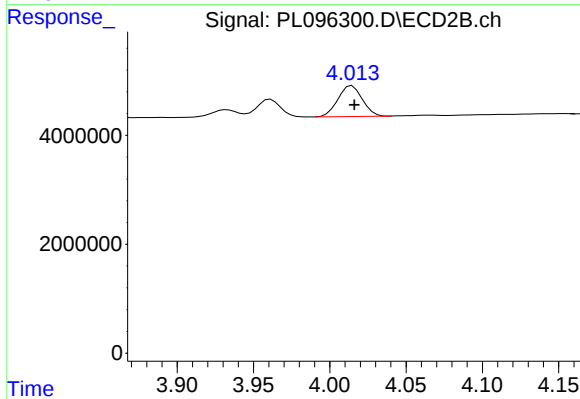
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 6400201
Conc: 0.81 ng/ml



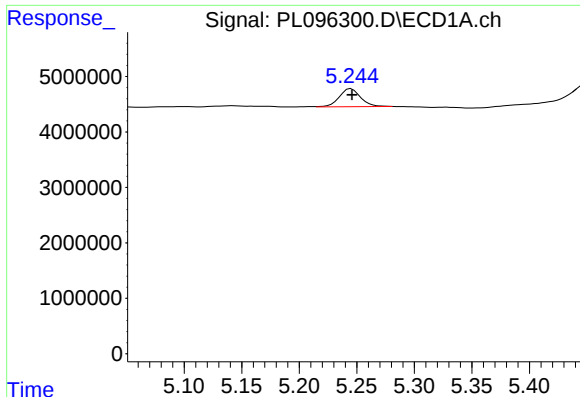
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.001 min
Response: 5188662
Conc: 1.13 ng/ml m



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 6289219
Conc: 0.83 ng/ml



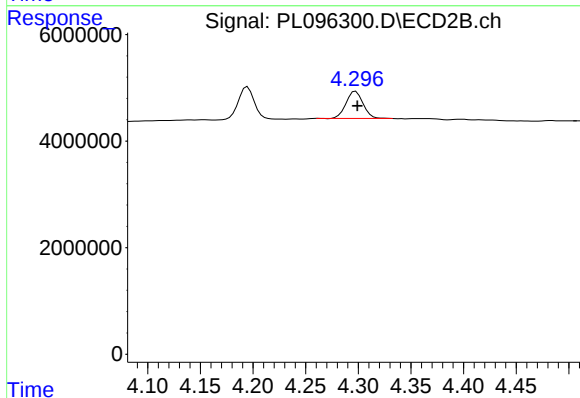
#5 Aldrin

R.T.: 5.244 min
Delta R.T.: -0.002 min
Response: 4200944
Conc: 0.87 ng/ml

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

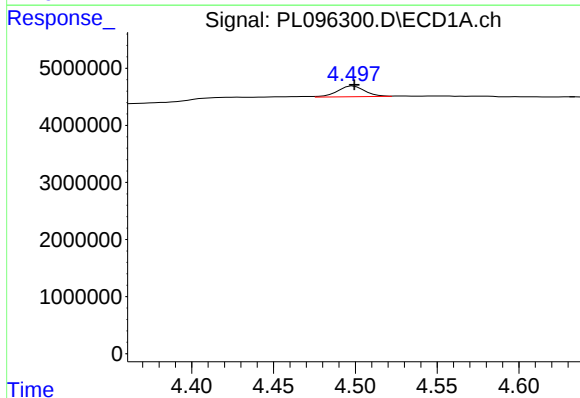
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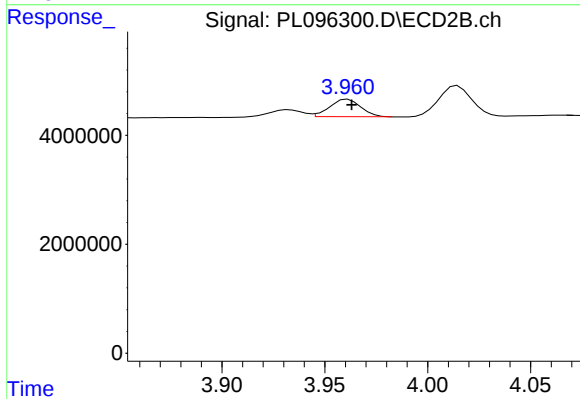
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 5769211
Conc: 0.79 ng/ml



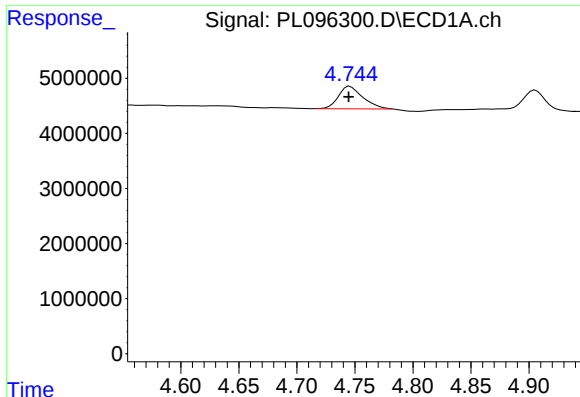
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.002 min
Response: 2177421
Conc: 1.05 ng/ml m



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 3310845
Conc: 0.97 ng/ml m



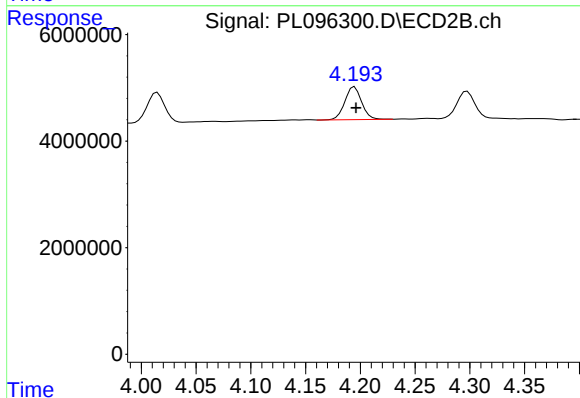
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 5984779
Conc: 1.34 ng/ml

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

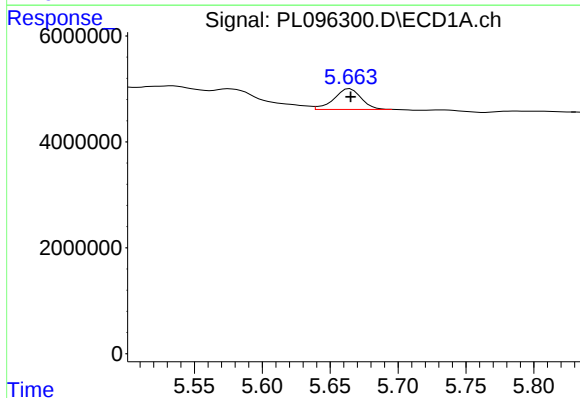
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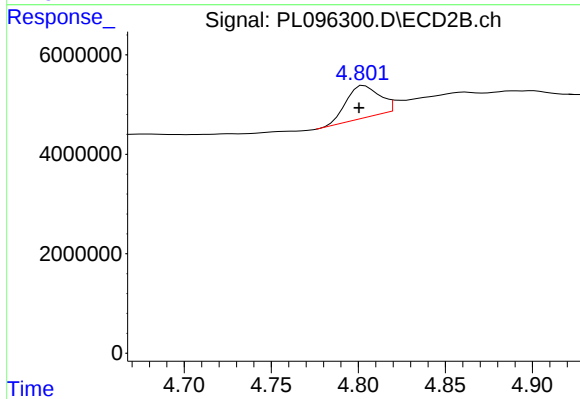
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: -0.001 min
Response: 6553172
Conc: 0.85 ng/ml



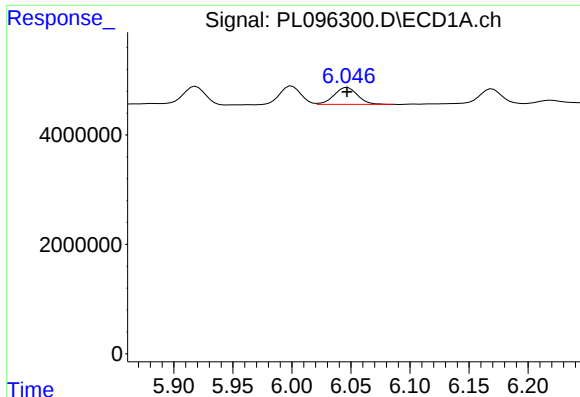
#8 Heptachlor epoxide

R.T.: 5.663 min
Delta R.T.: -0.002 min
Response: 5413730
Conc: 1.30 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 8795922
Conc: 1.32 ng/ml m



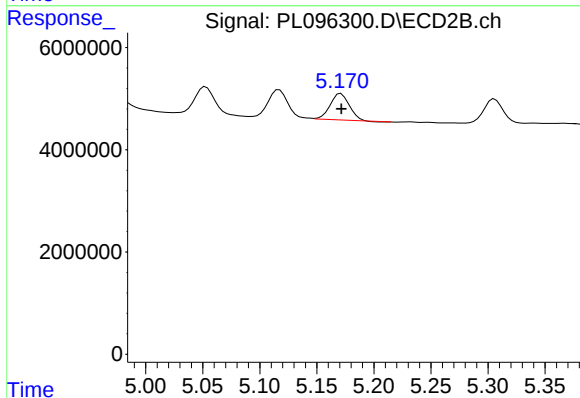
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 4256825
Conc: 1.05 ng/ml

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

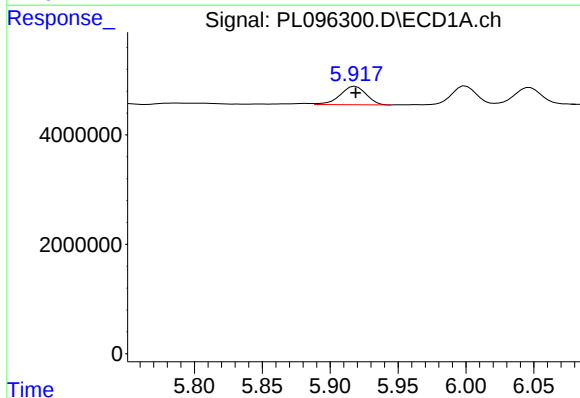
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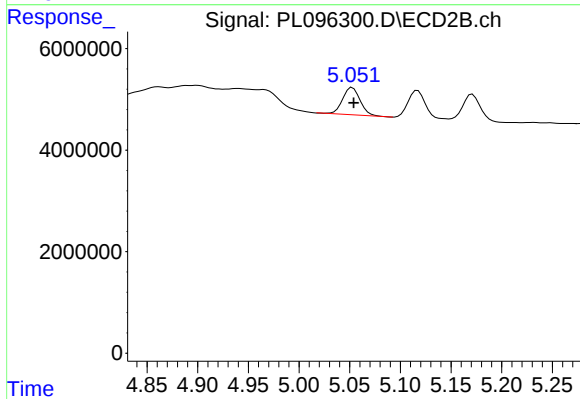
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 6056644
Conc: 0.84 ng/ml



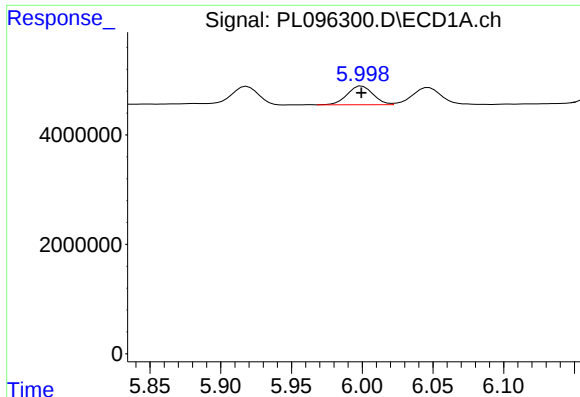
#10 gamma-Chlordane

R.T.: 5.917 min
Delta R.T.: -0.001 min
Response: 4456909
Conc: 1.01 ng/ml m



#10 gamma-Chlordane

R.T.: 5.053 min
Delta R.T.: -0.001 min
Response: 6491775
Conc: 0.92 ng/ml



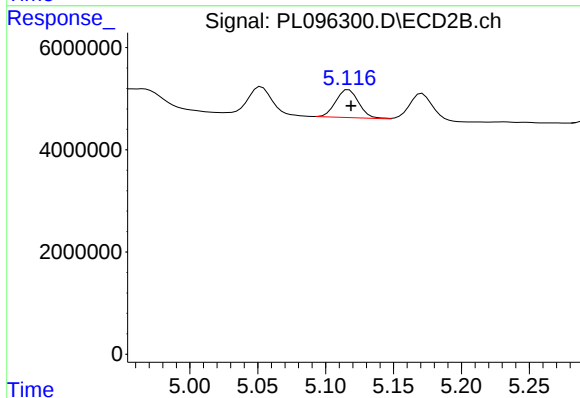
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.001 min
Response: 4376735
Conc: 1.00 ng/ml

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

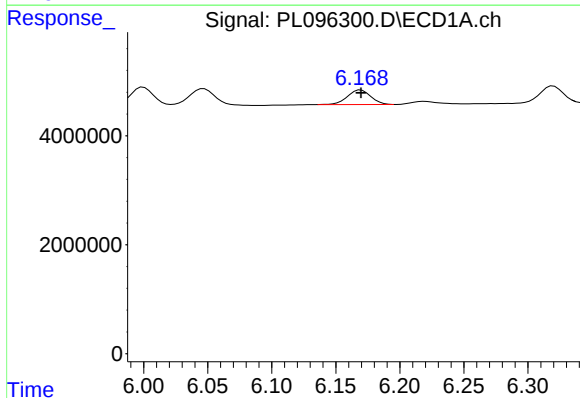
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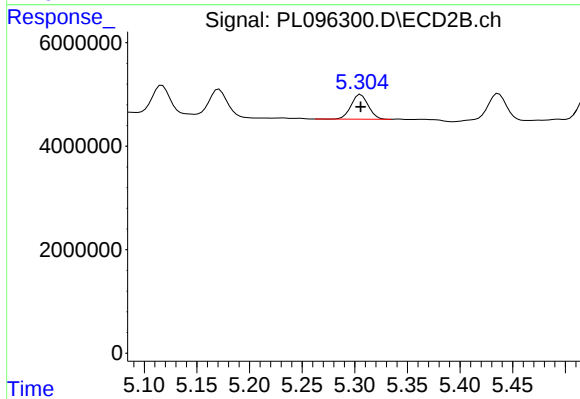
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 6443248
Conc: 0.86 ng/ml



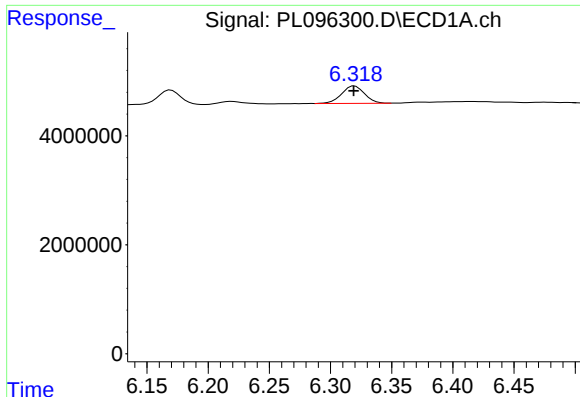
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.002 min
Response: 3423461
Conc: 0.92 ng/ml m



#12 4,4'-DDE

R.T.: 5.306 min
Delta R.T.: 0.000 min
Response: 5449838
Conc: 0.84 ng/ml



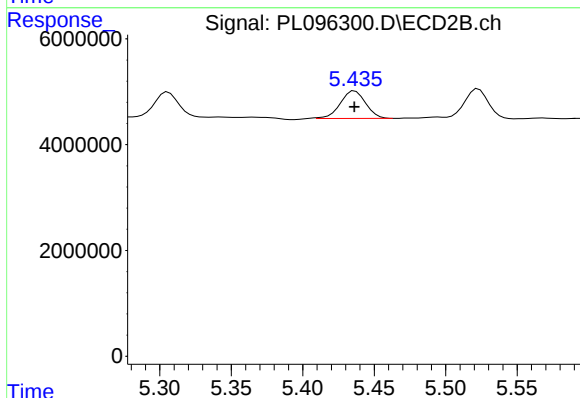
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 4163982
Conc: 0.98 ng/ml

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

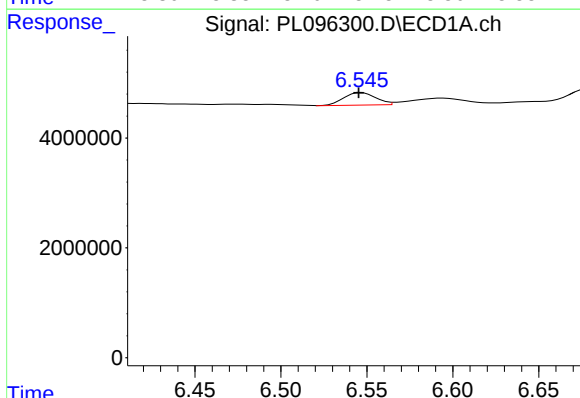
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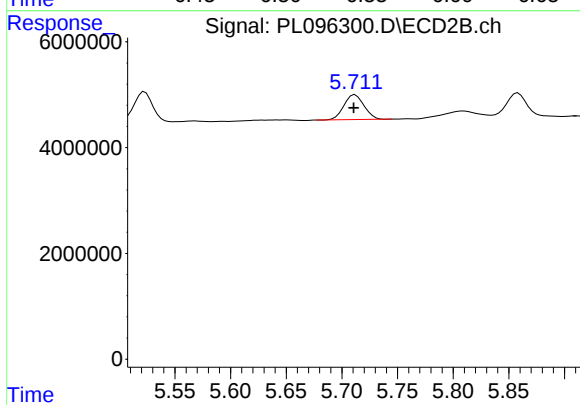
#13 Dieldrin

R.T.: 5.435 min
Delta R.T.: 0.000 min
Response: 6407145
Conc: 0.94 ng/ml m



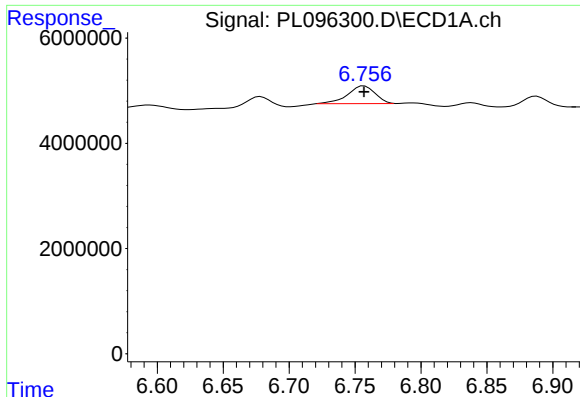
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 3054114
Conc: 0.98 ng/ml m



#14 Endrin

R.T.: 5.712 min
Delta R.T.: 0.001 min
Response: 5944085
Conc: 0.97 ng/ml



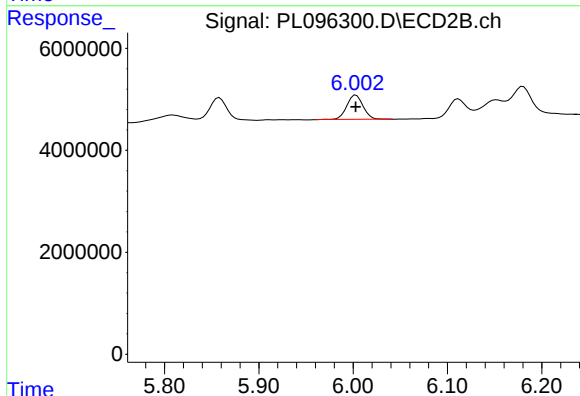
#15 Endosulfan II

R.T.: 6.756 min
Delta R.T.: -0.001 min
Response: 4903070
Conc: 1.41 ng/ml

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

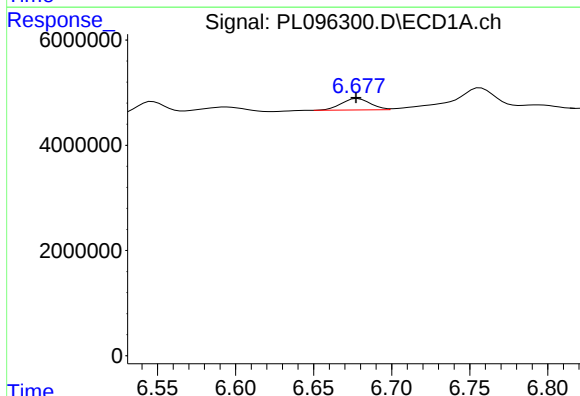
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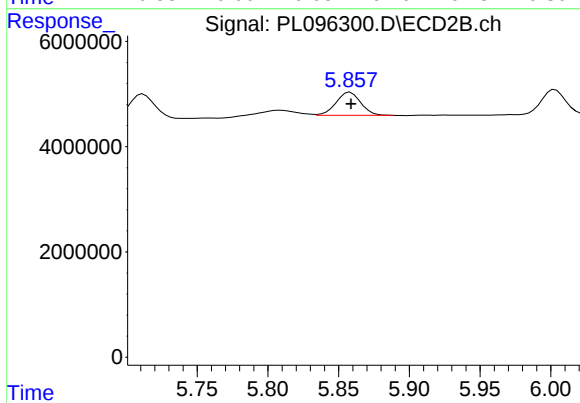
#15 Endosulfan II

R.T.: 6.003 min
Delta R.T.: 0.000 min
Response: 5753780
Conc: 0.98 ng/ml



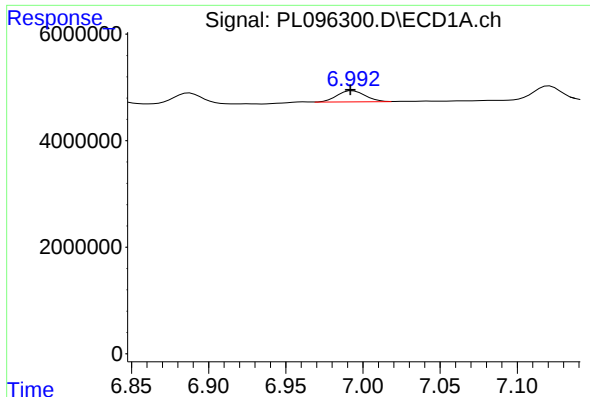
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 2819768
Conc: 0.97 ng/ml m



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 5330197
Conc: 1.04 ng/ml m



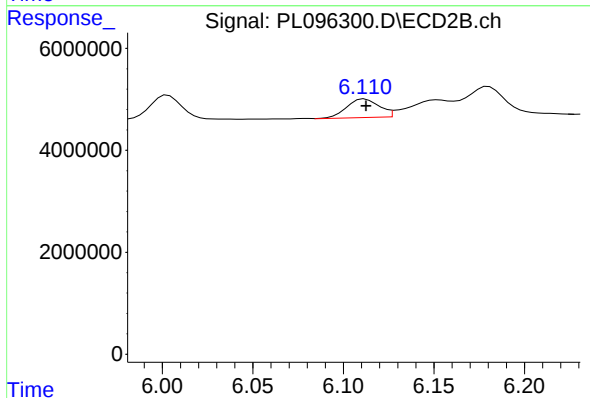
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 2646705
Conc: 0.87 ng/ml

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

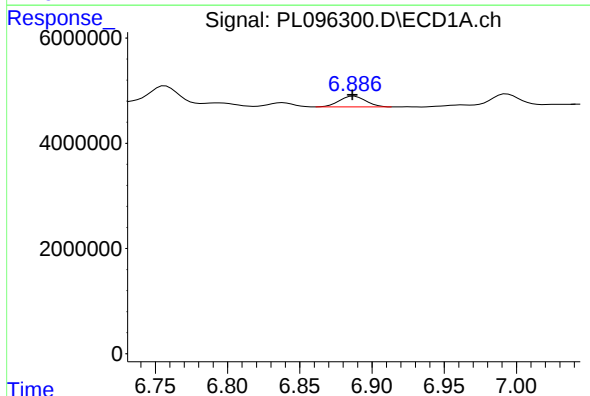
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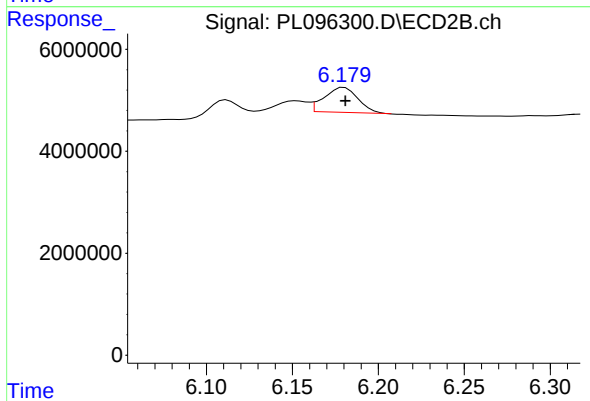
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 4488568
Conc: 0.78 ng/ml m



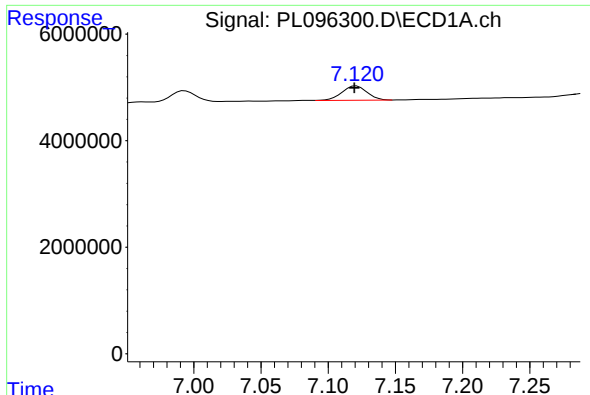
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 2636259
Conc: 1.18 ng/ml m



#18 Endrin aldehyde

R.T.: 6.179 min
Delta R.T.: -0.002 min
Response: 6521669
Conc: 1.46 ng/ml m



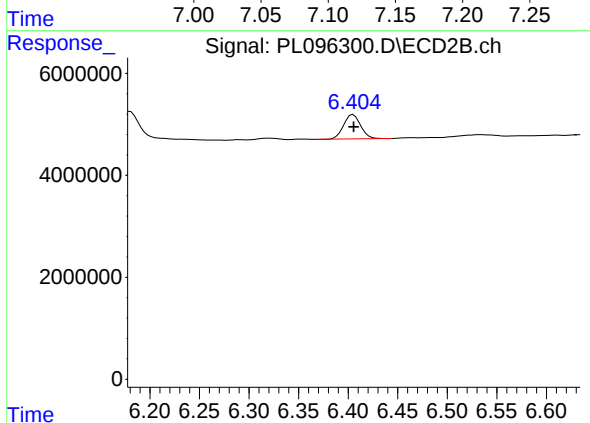
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 3498520
Conc: 1.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
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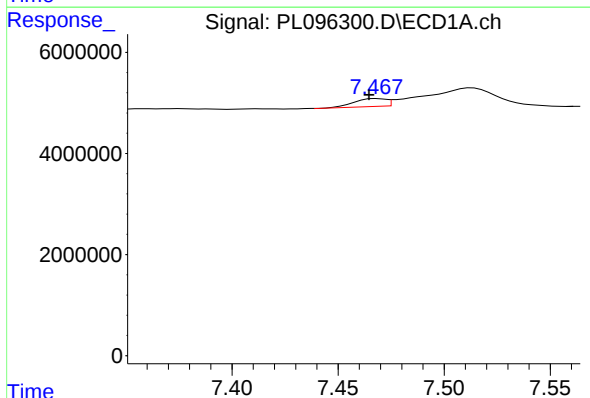
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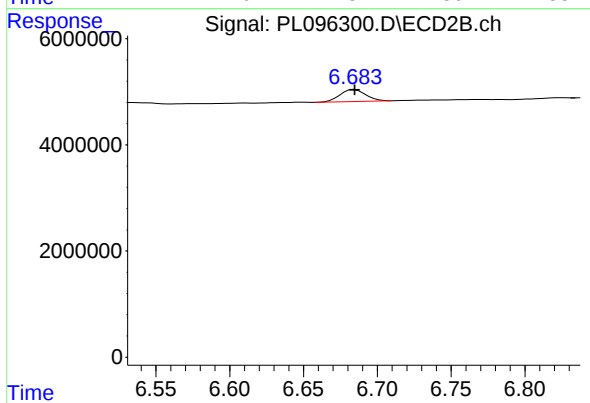
#19 Endosulfan Sulfate

R.T.: 6.405 min
Delta R.T.: 0.000 min
Response: 5725887
Conc: 1.02 ng/ml



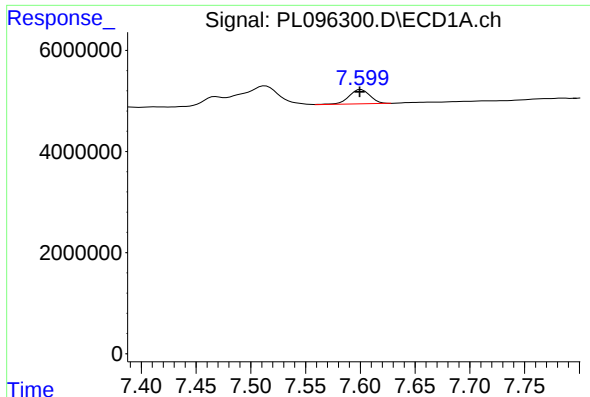
#20 Methoxychlor

R.T.: 7.467 min
Delta R.T.: 0.002 min
Response: 1884097
Conc: 1.20 ng/ml m



#20 Methoxychlor

R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 2794285
Conc: 0.92 ng/ml m



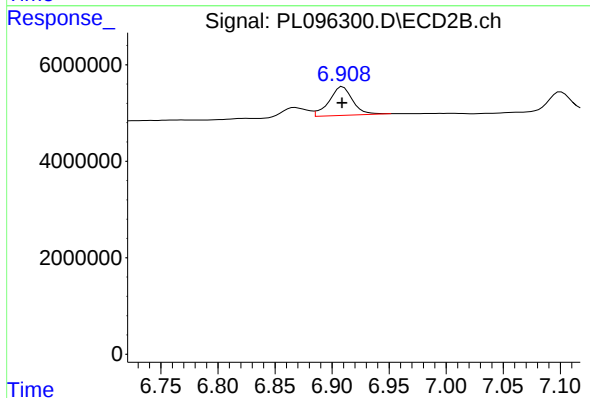
#21 Endrin ketone

R.T.: 7.601 min
Delta R.T.: 0.001 min
Response: 3750857
Conc: 1.14 ng/ml

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

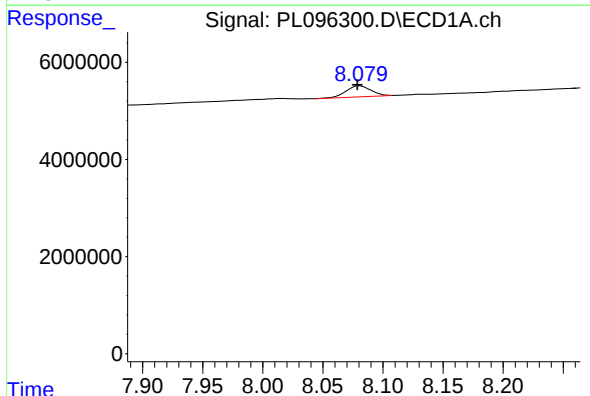
Manual Integrations
APPROVED

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



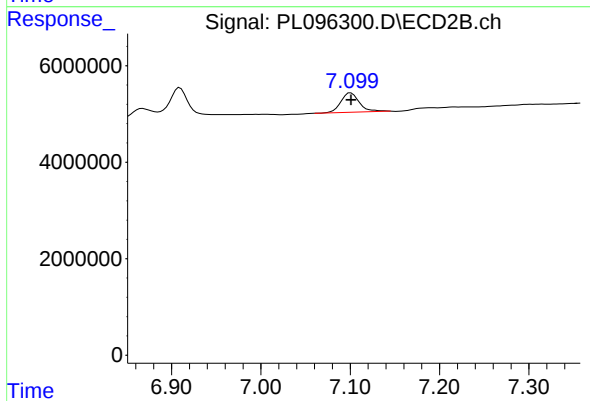
#21 Endrin ketone

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 8594667
Conc: 1.37 ng/ml



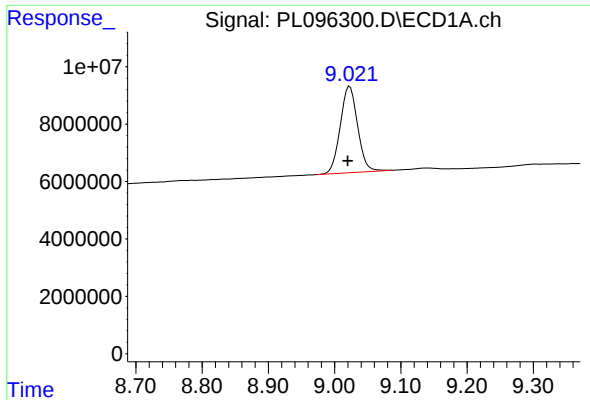
#22 Mirex

R.T.: 8.079 min
Delta R.T.: 0.000 min
Response: 3303481
Conc: 1.19 ng/ml m



#22 Mirex

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 5821510
Conc: 1.17 ng/ml



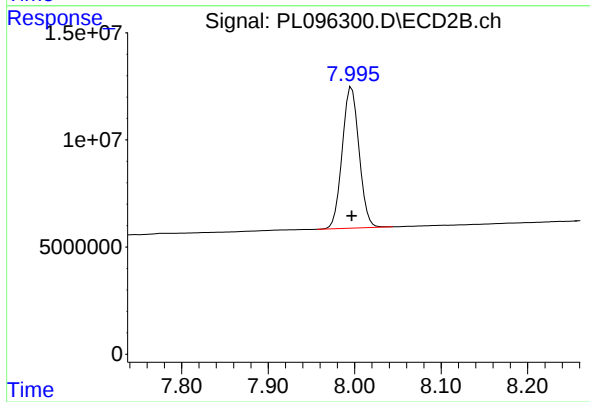
#28 Decachlorobiphenyl

R.T.: 9.023 min
Delta R.T.: 0.003 min
Response: 54685903
Conc: 19.44 ng/ml

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

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 88747391
Conc: 17.80 ng/ml