

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080125\
 Data File : PL096683.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Aug 2025 11:28
 Operator : AR\AJ
 Sample : Q2126-09
 Misc : MDL PEST 1PPB
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/04/2025
 Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 02 01:13:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.532	2.823	57463562	84485404	18.066	17.683
28)	SA Decachlor...	9.017	7.990	48294879	86373501	20.252	19.909
Target Compounds							
2)	A alpha-BHC	3.979	3.328	3817407	5715700	0.825m	0.808
3)	MA gamma-BHC...	4.307	3.660	3833340	5752117	0.867m	0.871
4)	MA Heptachlor	4.899	4.009	3656893	6054125	0.880m	0.909
5)	MB Aldrin	5.239	4.292	4248363	5449239	0.988m	0.878
6)	B beta-BHC	4.494	3.956	1939419	3094348	1.074m	1.097m
7)	B delta-BHC	4.740	4.190	4411954	5790038	1.106m	0.894
8)	B Heptachlo...	5.658	4.795	4189966	5617857	1.086m	0.984
9)	A Endosulfan I	6.042	5.165	3802296	5088808	1.057m	0.920
10)	B gamma-Chl...	5.913	5.046	3934438	5500233	1.034m	0.935
11)	B alpha-Chl...	5.994	5.110	4040225	5561289	1.048m	0.943
12)	B 4,4'-DDE	6.165	5.299	3270591	5021032	1.018m	0.911
13)	MA Dieldrin	6.314	5.430	3795301	6984725	1.023m	1.183
14)	MA Endrin	6.541	5.707	3084831	6409441	1.019m	1.186
15)	B Endosulfa...	6.749	5.996	6030417	5578365	1.883m	1.086 #
16)	A 4,4'-DDD	6.673	5.851	3119594	4961291	1.234m	1.054m
17)	MA 4,4'-DDT	6.988	6.104	2155678	3692141	0.752m	0.730m
19)	B Endosulfa...	7.116	6.399	3605691	5554792	1.255m	1.092
20)	A Methoxychlor	7.461	6.677	1412291	2421323	0.962m	0.884m
21)	B Endrin ke...	7.595	6.902	3607692	7691261	1.200m	1.381m
22)	Mirex	8.076	7.092	2975804	5151441	1.200m	1.181m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080125\
Data File : PL096683.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 11:28
Operator : AR\AJ
Sample : Q2126-09
Misc : MDL PEST 1PPB
ALS Vial : 5 Sample Multiplier: 1

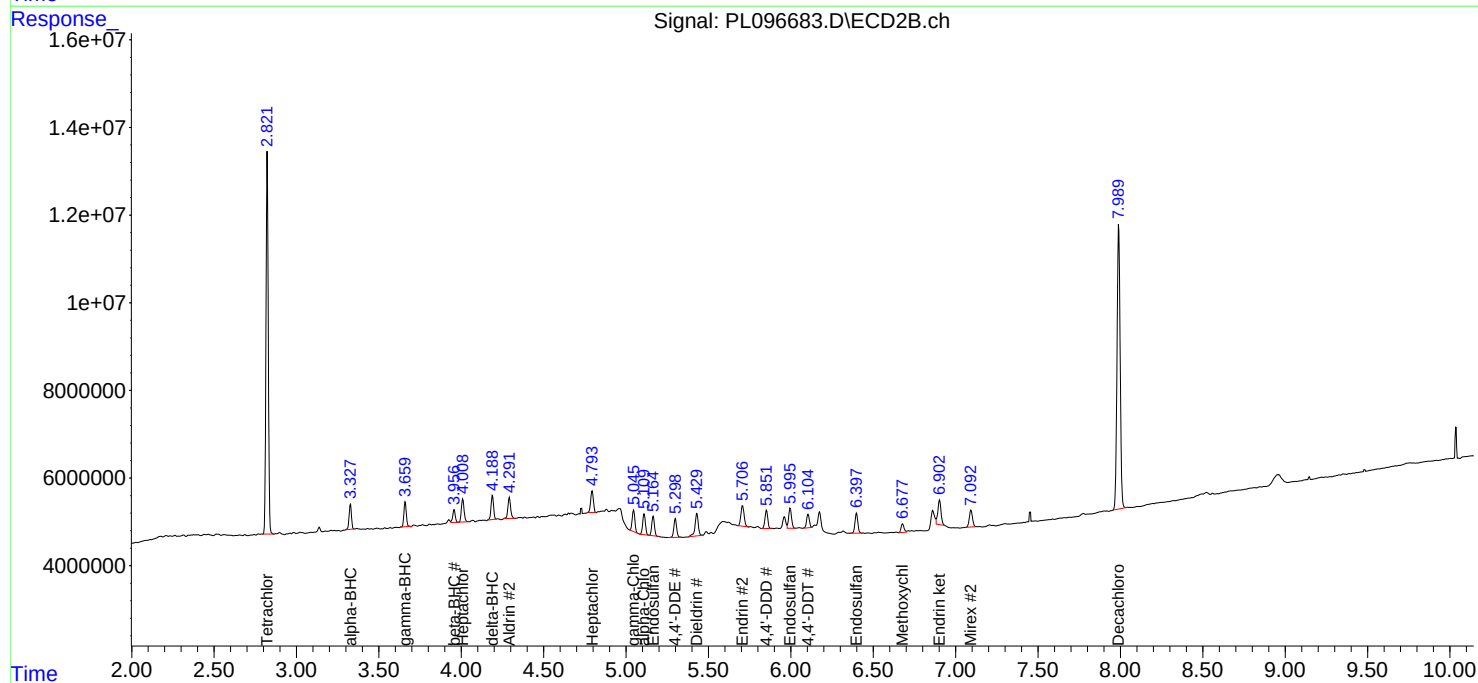
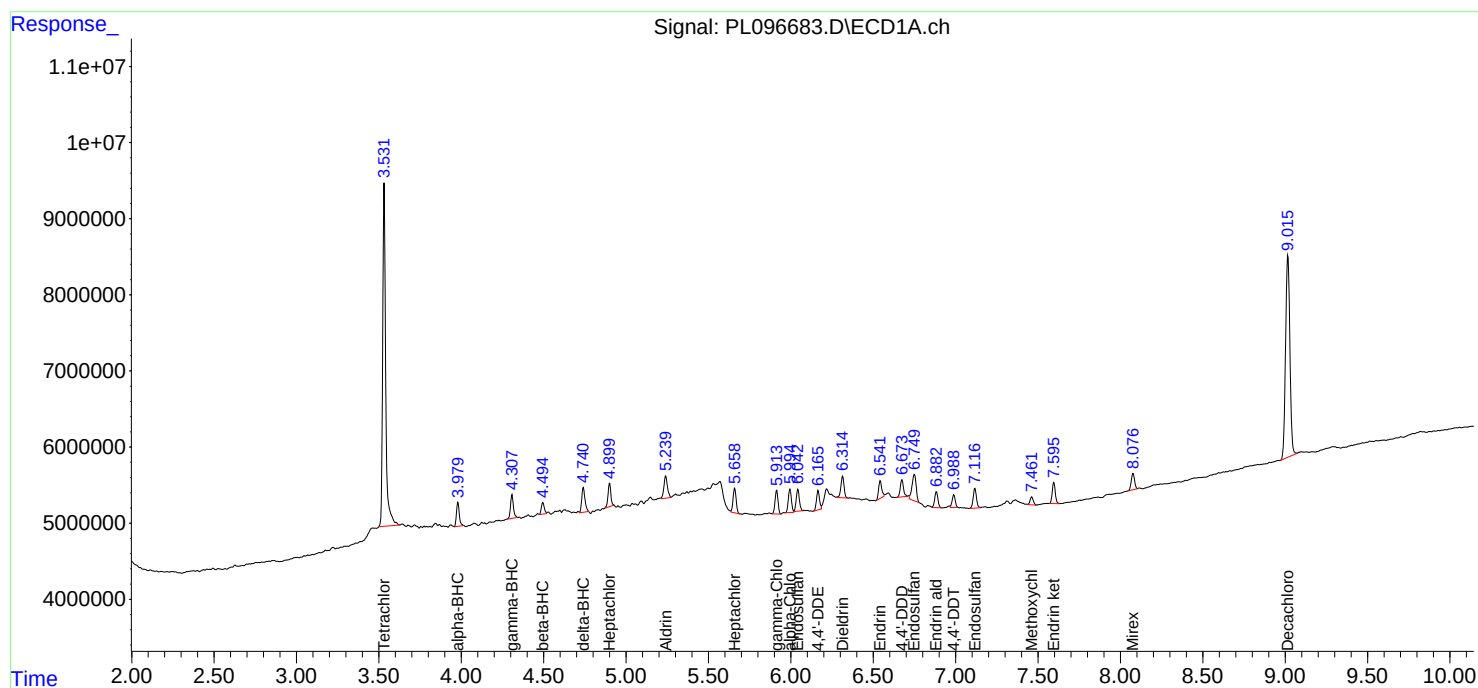
Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT2-2025

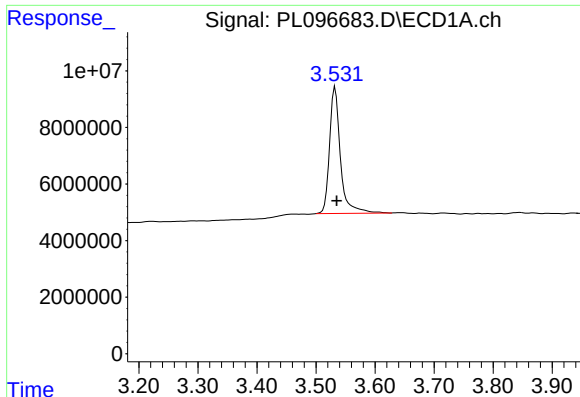
Manual Integrations
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Reviewed By : Abdul Mirza 08/04/2025
Supervised By : mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:13:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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





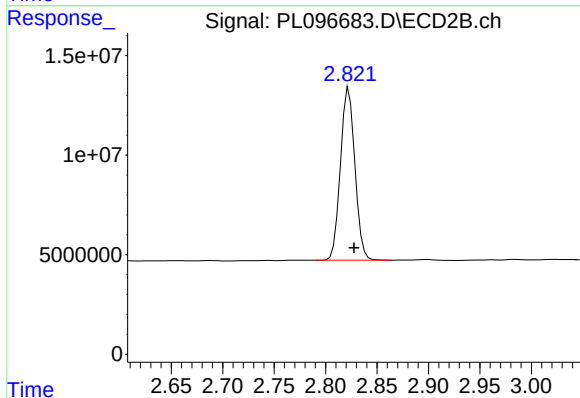
#1 Tetrachloro-m-xylene

R.T.: 3.532 min
Delta R.T.: -0.003 min
Response: 57463562
Conc: 18.07 ng/ml

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

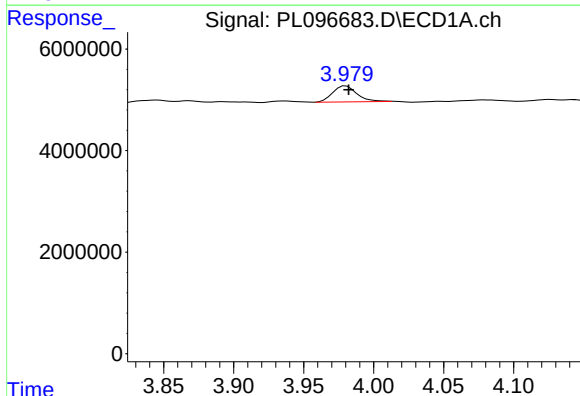
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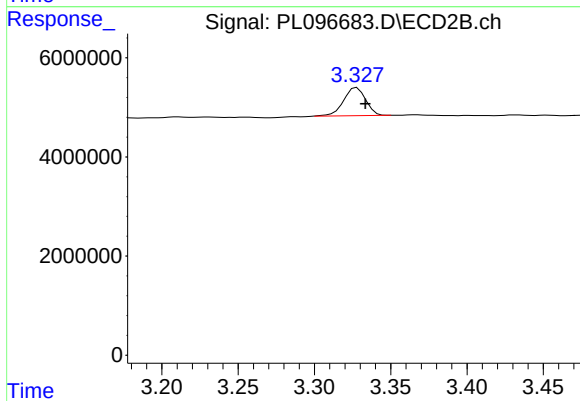
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.005 min
Response: 84485404
Conc: 17.68 ng/ml



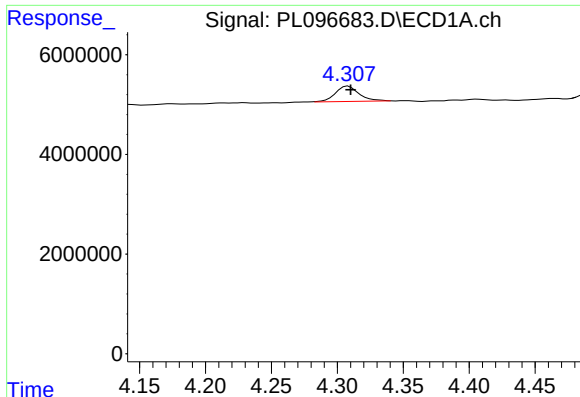
#2 alpha-BHC

R.T.: 3.979 min
Delta R.T.: -0.003 min
Response: 3817407
Conc: 0.83 ng/ml m



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.006 min
Response: 5715700
Conc: 0.81 ng/ml



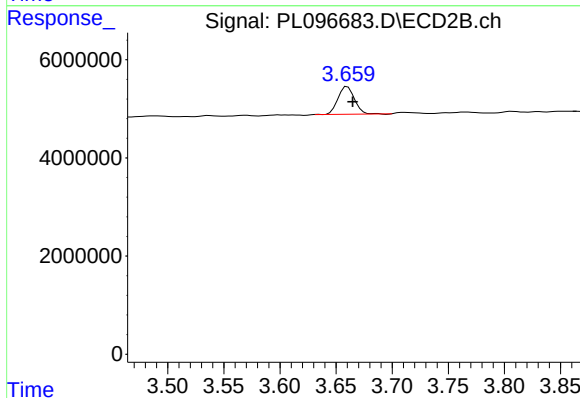
#3 gamma-BHC (Lindane)

R.T.: 4.307 min
Delta R.T.: -0.003 min
Response: 3833340
Conc: 0.87 ng/ml

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

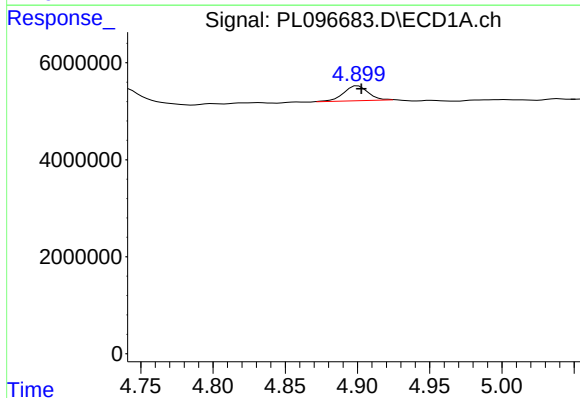
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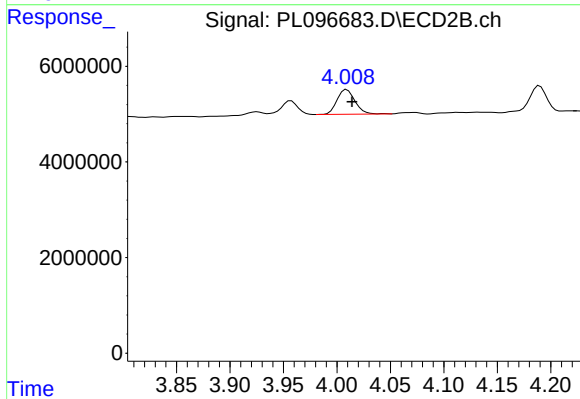
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.005 min
Response: 5752117
Conc: 0.87 ng/ml



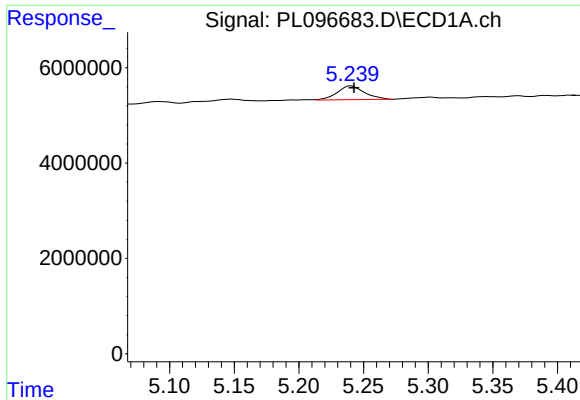
#4 Heptachlor

R.T.: 4.899 min
Delta R.T.: -0.004 min
Response: 3656893
Conc: 0.88 ng/ml m



#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: -0.005 min
Response: 6054125
Conc: 0.91 ng/ml



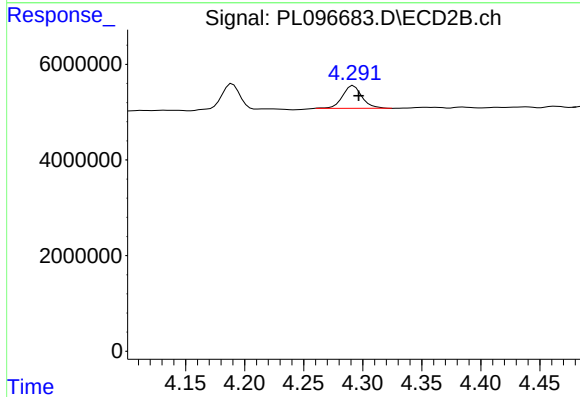
#5 Aldrin

R.T.: 5.239 min
Delta R.T.: -0.003 min
Response: 4248363
Conc: 0.99 ng/ml

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

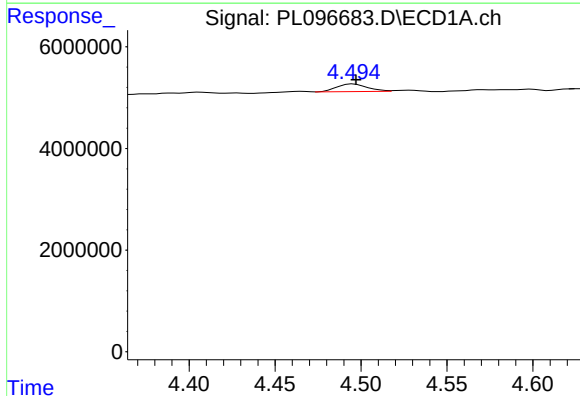
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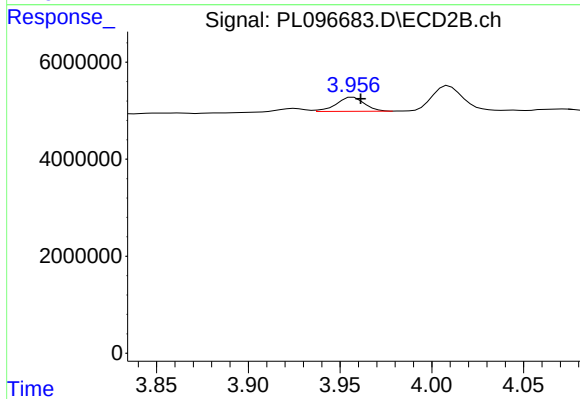
#5 Aldrin

R.T.: 4.292 min
Delta R.T.: -0.005 min
Response: 5449239
Conc: 0.88 ng/ml



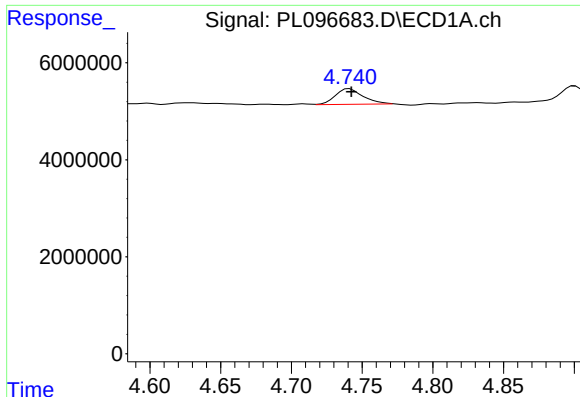
#6 beta-BHC

R.T.: 4.494 min
Delta R.T.: -0.003 min
Response: 1939419
Conc: 1.07 ng/ml m



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.005 min
Response: 3094348
Conc: 1.10 ng/ml m



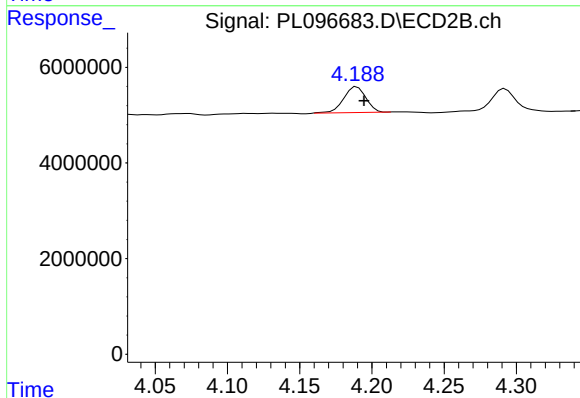
#7 delta-BHC

R.T.: 4.740 min
Delta R.T.: -0.003 min
Response: 4411954
Conc: 1.11 ng/ml

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

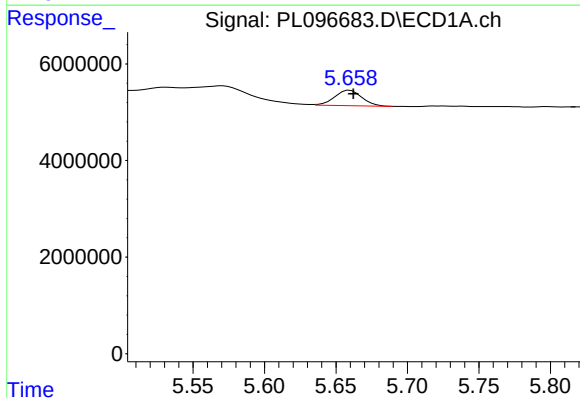
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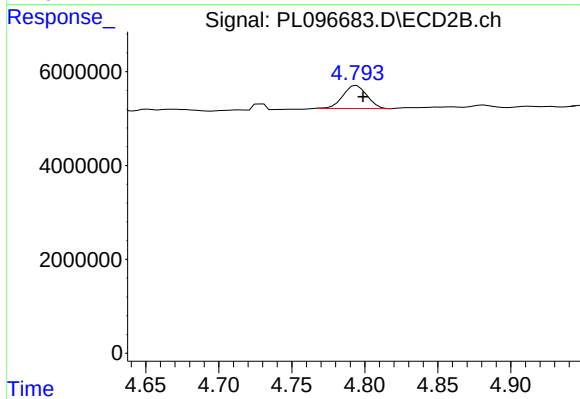
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: -0.005 min
Response: 5790038
Conc: 0.89 ng/ml



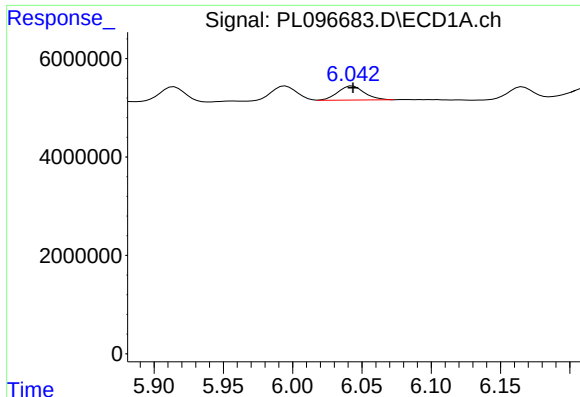
#8 Heptachlor epoxide

R.T.: 5.658 min
Delta R.T.: -0.004 min
Response: 4189966
Conc: 1.09 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 5617857
Conc: 0.98 ng/ml



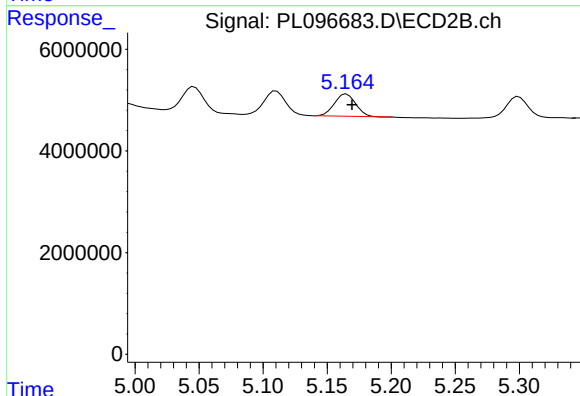
#9 Endosulfan I

R.T.: 6.042 min
Delta R.T.: -0.002 min
Response: 3802296
Conc: 1.06 ng/ml

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

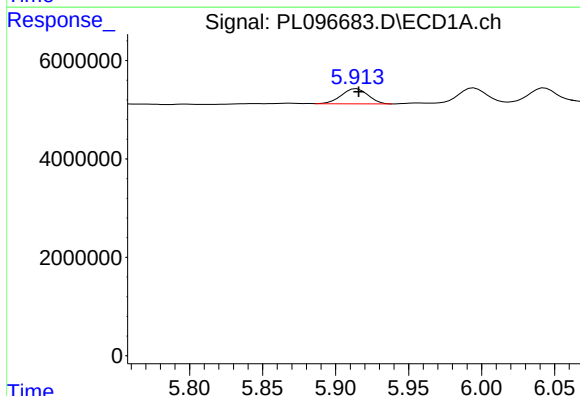
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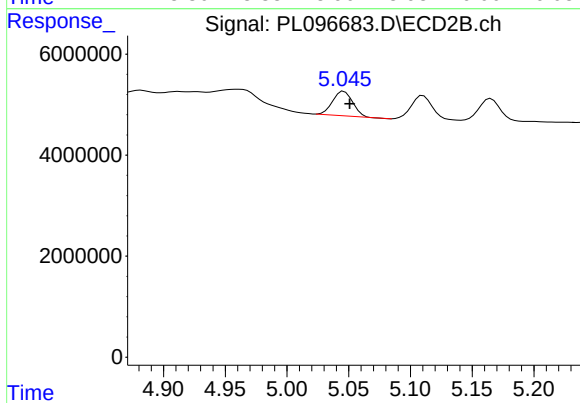
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 5088808
Conc: 0.92 ng/ml



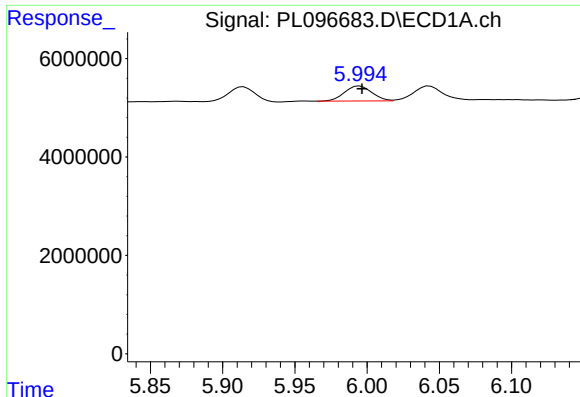
#10 gamma-Chlordane

R.T.: 5.913 min
Delta R.T.: -0.003 min
Response: 3934438
Conc: 1.03 ng/ml m



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 5500233
Conc: 0.94 ng/ml



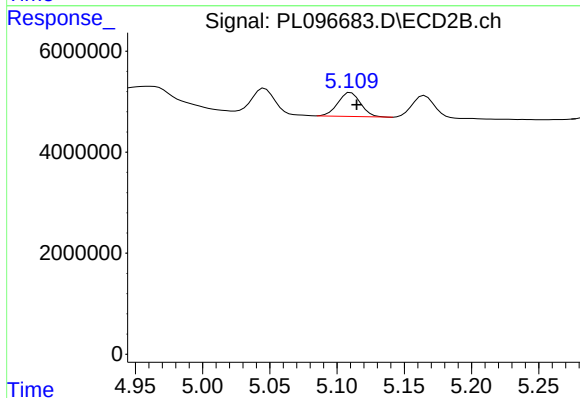
#11 alpha-Chlordane

R.T.: 5.994 min
Delta R.T.: -0.003 min
Response: 4040225
Conc: 1.05 ng/ml

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

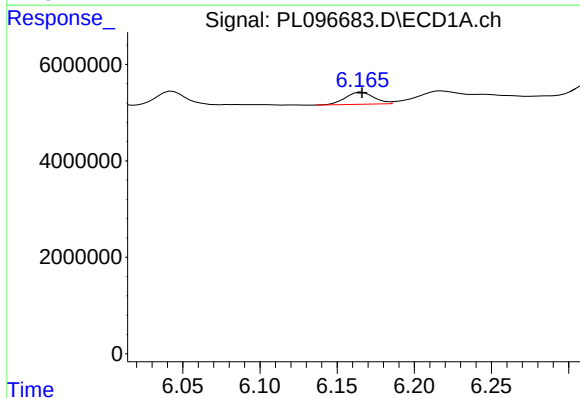
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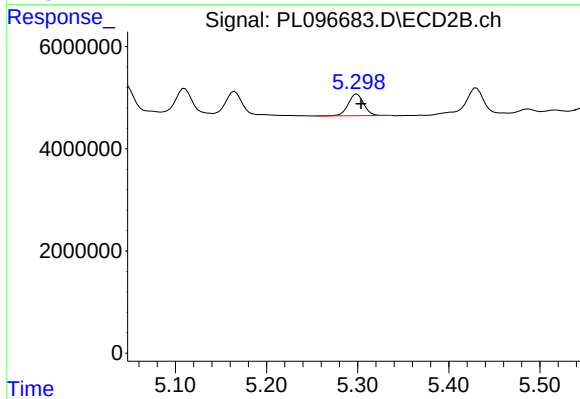
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.004 min
Response: 5561289
Conc: 0.94 ng/ml



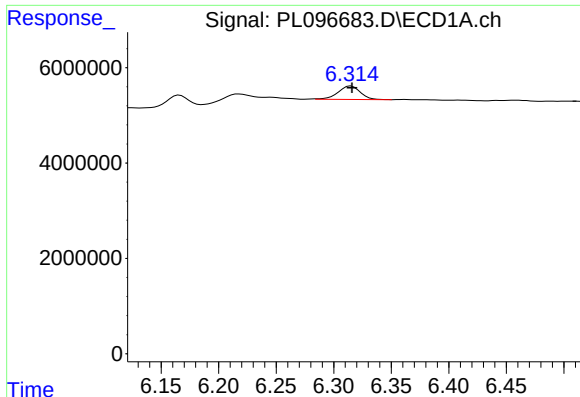
#12 4,4'-DDE

R.T.: 6.165 min
Delta R.T.: -0.002 min
Response: 3270591
Conc: 1.02 ng/ml m



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.004 min
Response: 5021032
Conc: 0.91 ng/ml



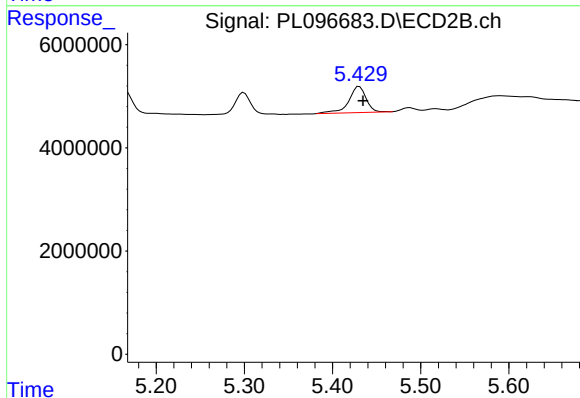
#13 Dieldrin

R.T.: 6.314 min
Delta R.T.: -0.002 min
Response: 3795301
Conc: 1.02 ng/ml

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

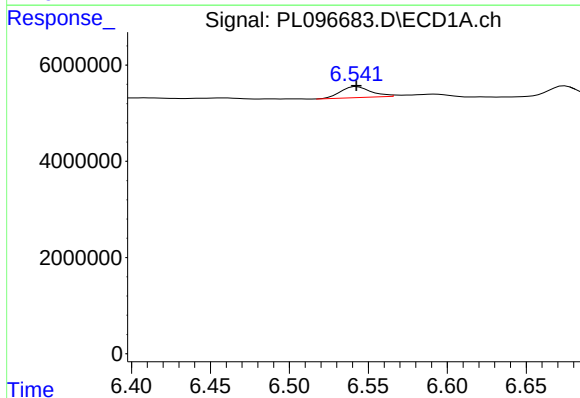
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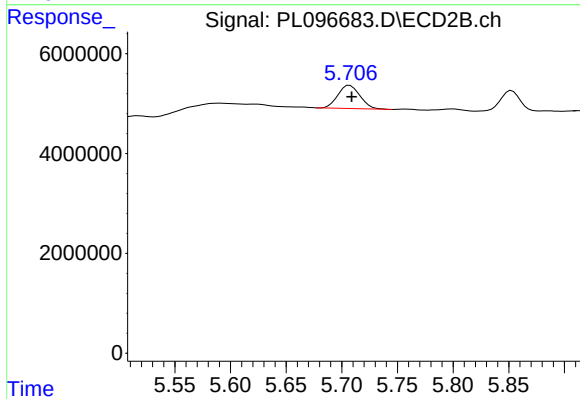
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 6984725
Conc: 1.18 ng/ml



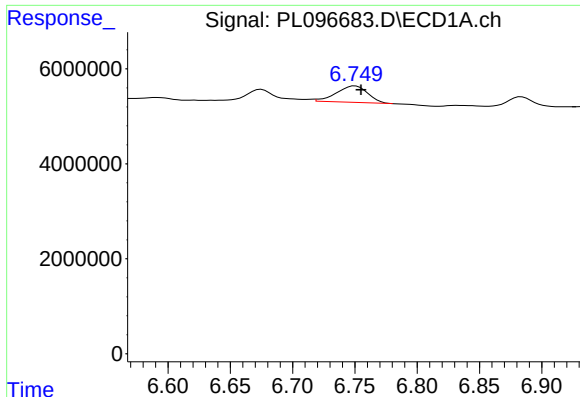
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 3084831
Conc: 1.02 ng/ml m



#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.002 min
Response: 6409441
Conc: 1.19 ng/ml



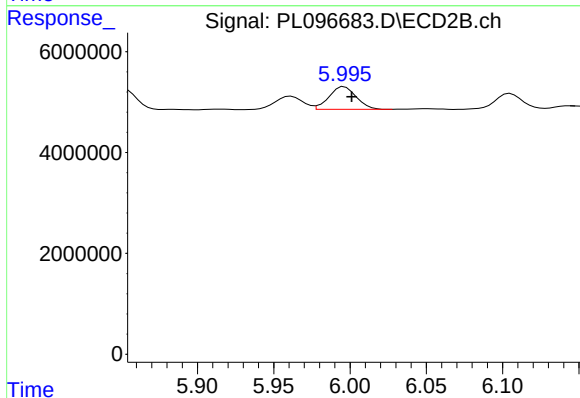
#15 Endosulfan II

R.T.: 6.749 min
Delta R.T.: -0.006 min
Response: 6030417
Conc: 1.88 ng/ml

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

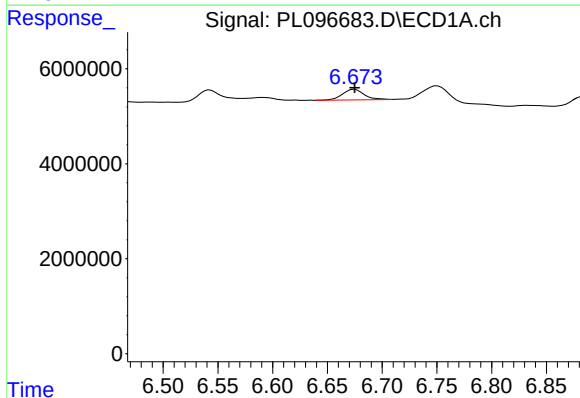
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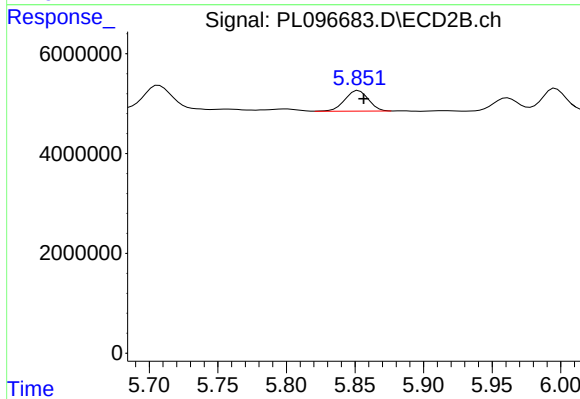
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 5578365
Conc: 1.09 ng/ml



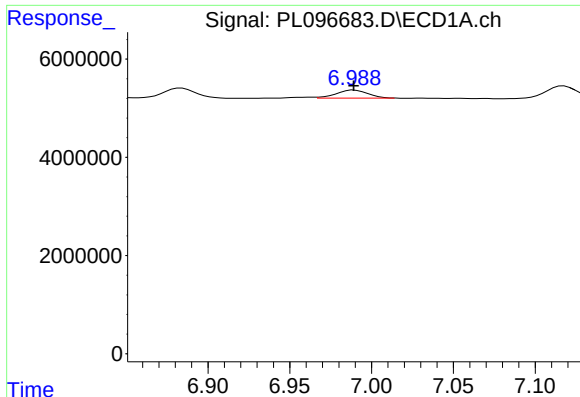
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 3119594
Conc: 1.23 ng/ml m



#16 4,4'-DDD

R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 4961291
Conc: 1.05 ng/ml m



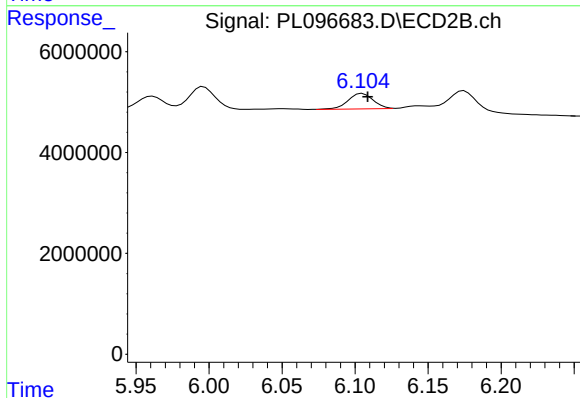
#17 4,4'-DDT

R.T.: 6.988 min
Delta R.T.: -0.001 min
Response: 2155678
Conc: 0.75 ng/ml

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

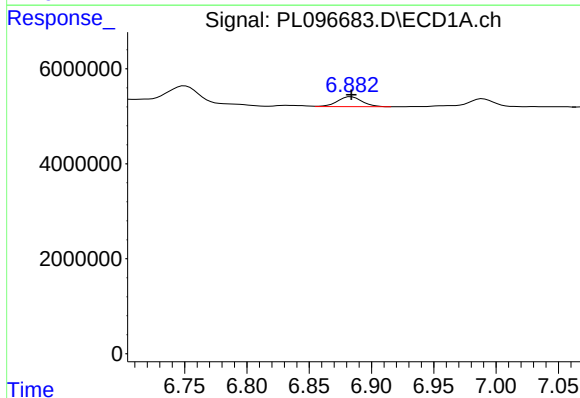
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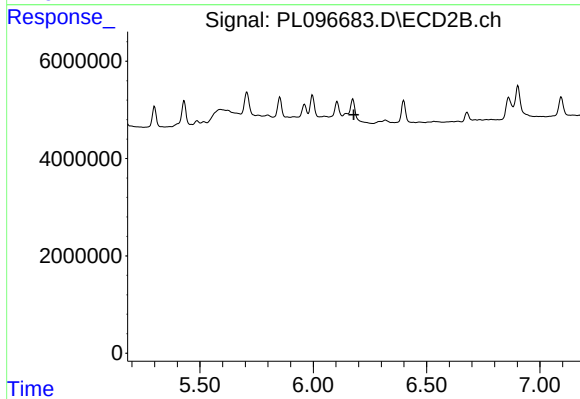
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 3692141
Conc: 0.73 ng/ml m



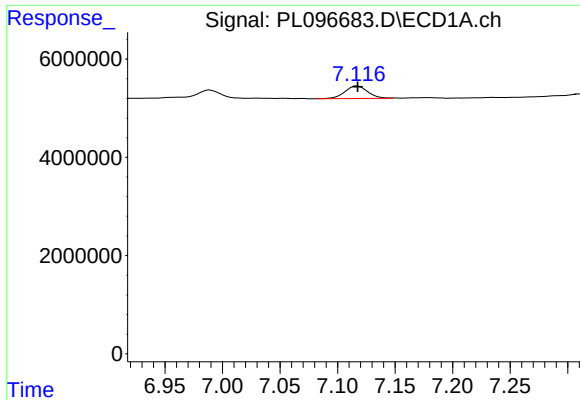
#18 Endrin aldehyde

R.T.: 6.882 min
Delta R.T.: -0.001 min
Response: 2847736
Conc: 1.33 ng/ml m



#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: -0.005 min
Response: 5421132
Conc: N.D.



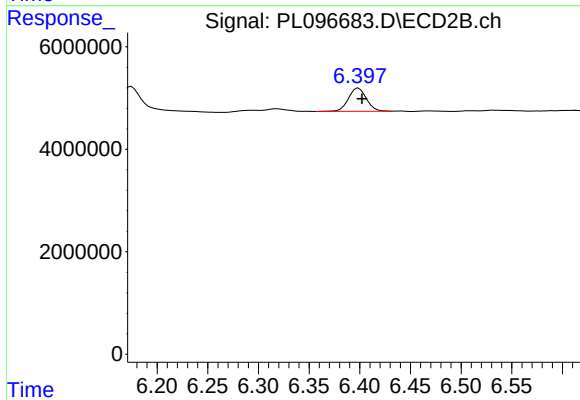
#19 Endosulfan Sulfate

R.T.: 7.116 min
Delta R.T.: -0.001 min
Response: 3605691
Conc: 1.25 ng/ml

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

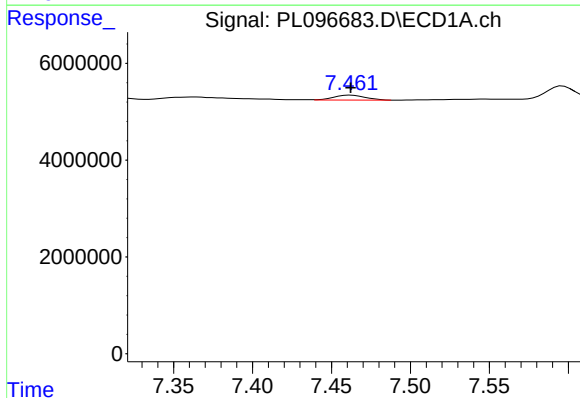
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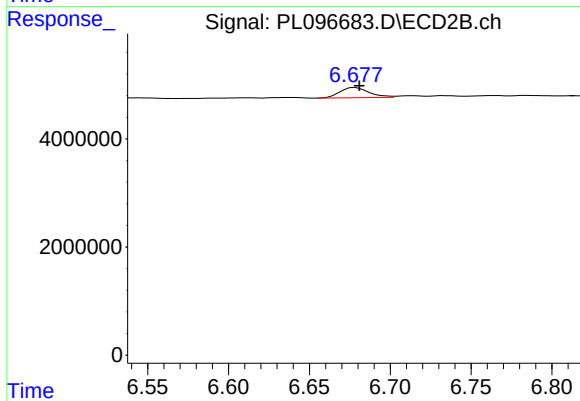
#19 Endosulfan Sulfate

R.T.: 6.399 min
Delta R.T.: -0.003 min
Response: 5554792
Conc: 1.09 ng/ml



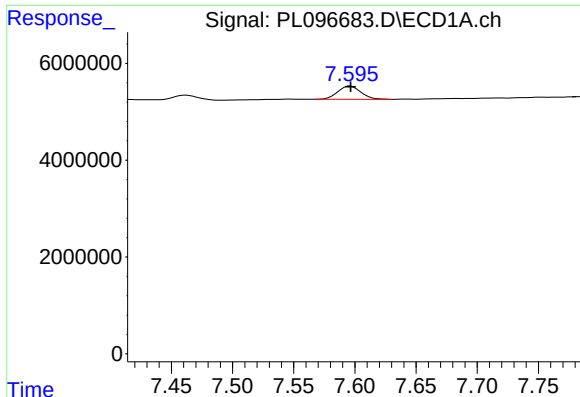
#20 Methoxychlor

R.T.: 7.461 min
Delta R.T.: -0.001 min
Response: 1412291
Conc: 0.96 ng/ml m



#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: -0.004 min
Response: 2421323
Conc: 0.88 ng/ml m



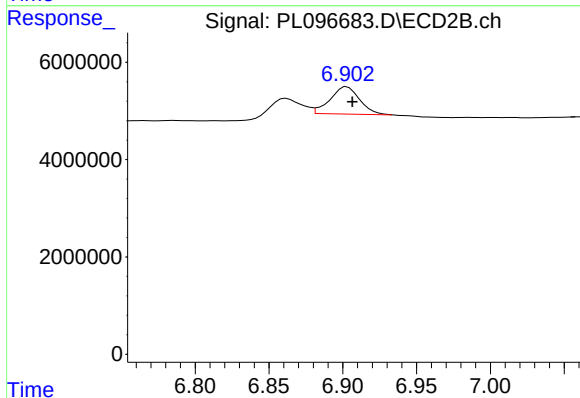
#21 Endrin ketone

R.T.: 7.595 min
Delta R.T.: -0.002 min
Response: 3607692
Conc: 1.20 ng/ml

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

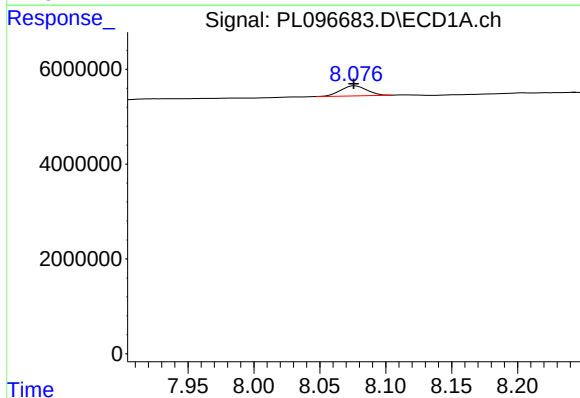
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APPROVED

Reviewed By :Abdul Mirza 08/04/2025
Supervised By :mohammad ahmed 08/05/2025



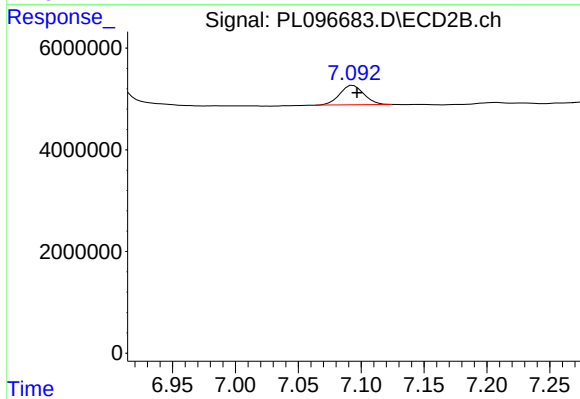
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 7691261
Conc: 1.38 ng/ml m



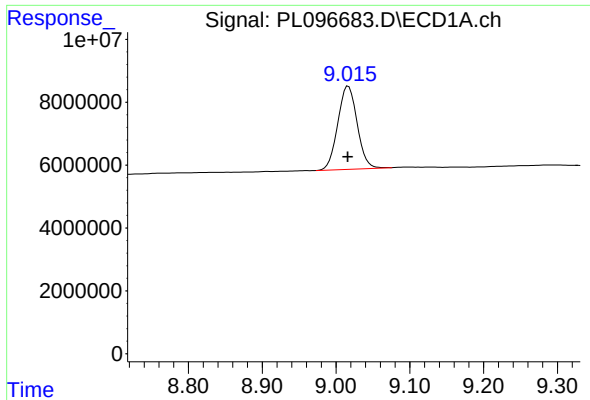
#22 Mirex

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 2975804
Conc: 1.20 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 5151441
Conc: 1.18 ng/ml m



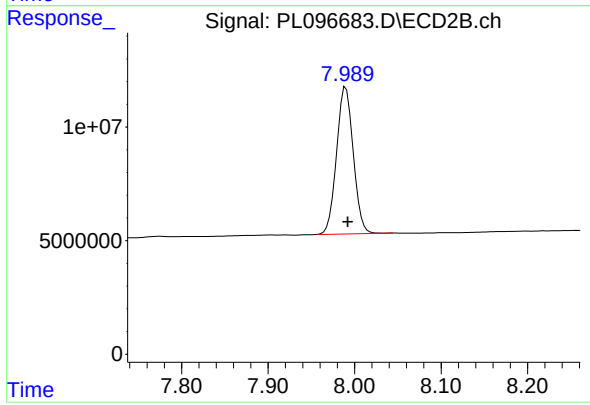
#28 Decachlorobiphenyl

R.T.: 9.017 min
Delta R.T.: 0.000 min
Response: 48294879
Conc: 20.25 ng/ml

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

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 86373501
Conc: 19.91 ng/ml