

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091025\
 Data File : PL097107.D
 Signal(s) : ECD2B.ch
 Acq On : 09 Sep 25 01:24 pm
 Operator : AR\AJ
 Sample : Q2893-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MDL-WATER-03-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/11/2025
 Supervised By :mohammad ahmed 09/12/2025

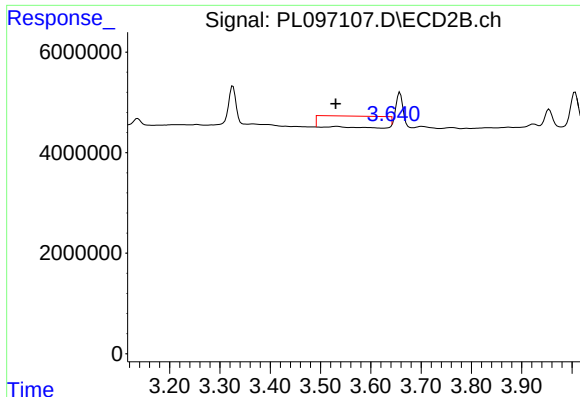
Integration File: autoint1.e
 Quant Time: Sep 10 07:57:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 10 07:56:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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...	3.527	2.821	70369982	102.5E6	17.843	18.178
28)	SA Decachlor...	9.002	7.983	58501121	99723081	19.759	20.794
Target Compounds							
2)	A alpha-BHC	3.974	3.326	5173136	7643160	0.893	0.931
3)	MA gamma-BHC...	4.302	3.658	5891469	7126777	1.079	0.967
4)	MA Heptachlor	4.893	4.006	6148058	7686314	1.153	1.022
5)	MB Aldrin	5.233	4.289	5240575	7042501	0.998	1.001
6)	B beta-BHC	4.488	3.953	2336153	3616560	1.021m	1.109m
7)	B delta-BHC	4.734	4.187	5645711	6976081	1.255m	0.949
8)	B Heptachlo...	5.650	4.790	7432236	8406344	1.444m	1.329
9)	A Endosulfan I	6.034	5.162	4799297	6425226	1.117	1.072
10)	B gamma-Chl...	5.906	5.042	4569869	7140957	0.992	1.080m
11)	B alpha-Chl...	5.987	5.106	5284981	6819086	1.123	1.044
12)	B 4,4'-DDE	6.155	5.295	3845644	6304377	0.964m	1.024
13)	MA Dieldrin	6.306	5.425	4379599	6706852	0.964	1.023m
14)	MA Endrin	6.531	5.704	3544635	8724147	0.947m	1.477 #
15)	B Endosulfa...	6.744	5.993	4731331	6257122	1.074m	1.094
16)	A 4,4'-DDD	6.666	5.848	4531089	5470343	1.436m	1.047 #
17)	MA 4,4'-DDT	6.979	6.100	2671285	6349920	0.763m	1.159m#
18)	B Endrin al...	6.873	6.170	3202862	5844493	1.231m	1.215m
19)	B Endosulfa...	7.107	6.394	3677311	6029526	1.071m	1.076
20)	A Methoxychlor	7.452	6.672	1615782	2681218	0.931m	0.894m
21)	B Endrin ke...	7.585	6.896	3806182	6234290	1.071m	0.996m
22)	Mirex	8.065	7.089	3484427	5897518	1.165m	1.214

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



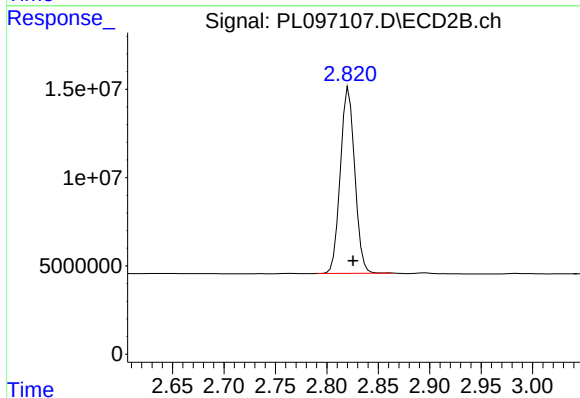
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: -0.003 min
Response: 70369982
Conc: 17.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

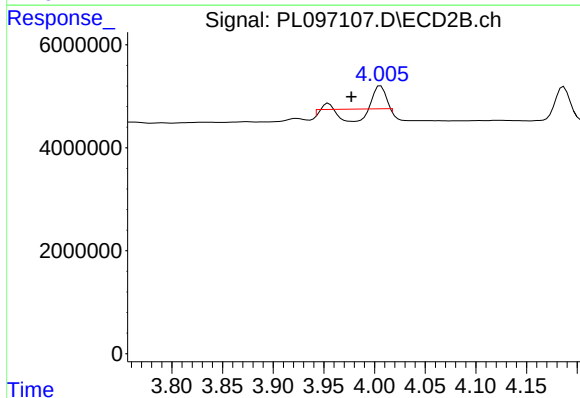
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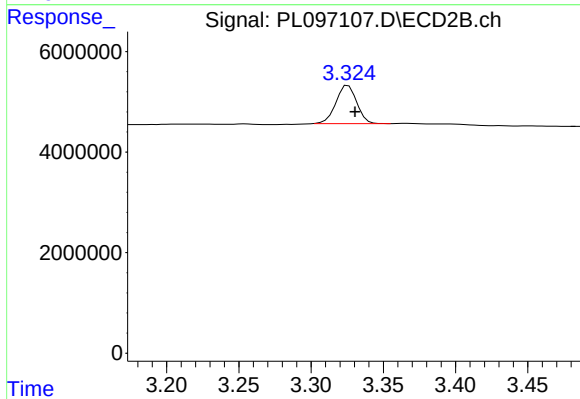
#1 Tetrachloro-m-xylene

R.T.: 2.821 min
Delta R.T.: -0.004 min
Response: 102462274
Conc: 18.18 ng/ml



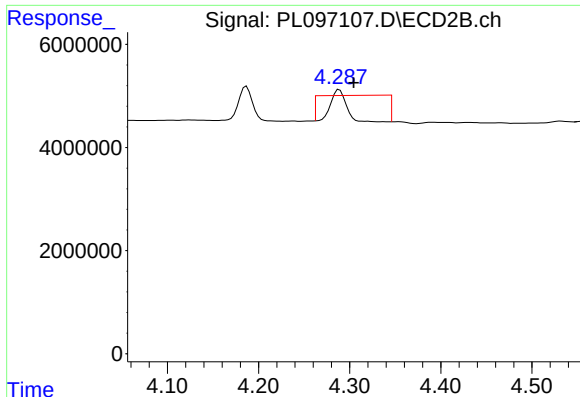
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: -0.004 min
Response: 5173136
Conc: 0.89 ng/ml



#2 alpha-BHC

R.T.: 3.326 min
Delta R.T.: -0.005 min
Response: 7643160
Conc: 0.93 ng/ml



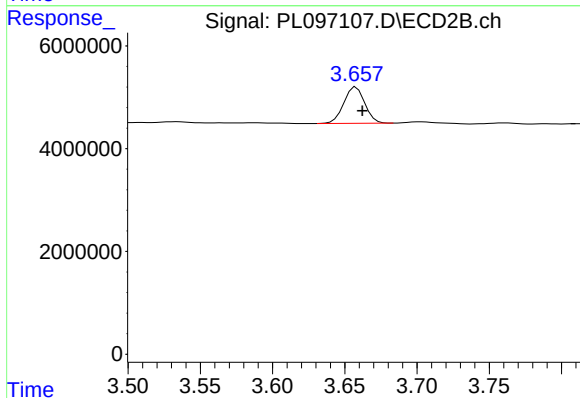
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: -0.003 min
Response: 5891469
Conc: 1.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

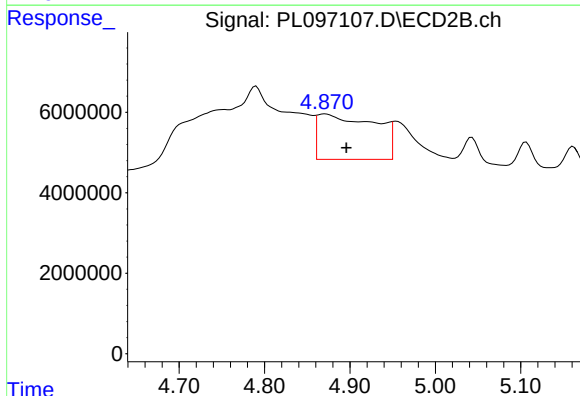
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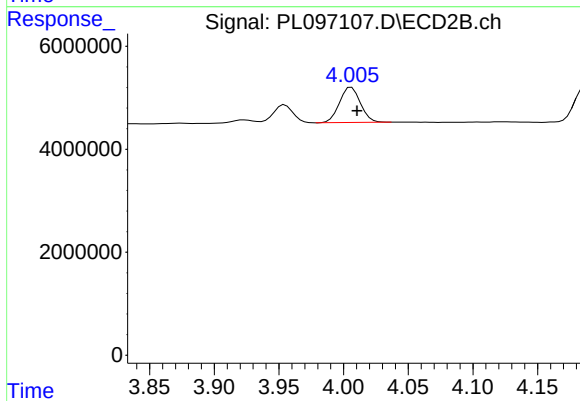
#3 gamma-BHC (Lindane)

R.T.: 3.658 min
Delta R.T.: -0.004 min
Response: 7126777
Conc: 0.97 ng/ml



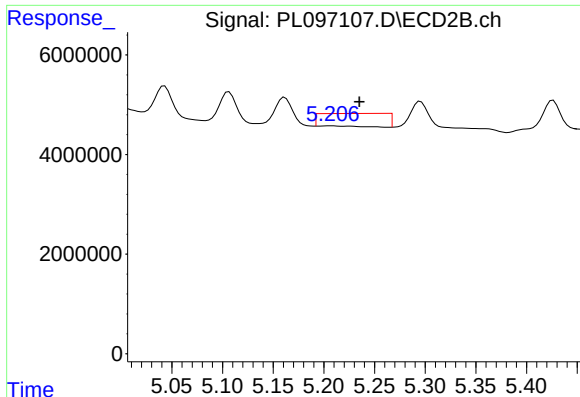
#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: -0.003 min
Response: 6148058
Conc: 1.15 ng/ml



#4 Heptachlor

R.T.: 4.006 min
Delta R.T.: -0.004 min
Response: 7686314
Conc: 1.02 ng/ml



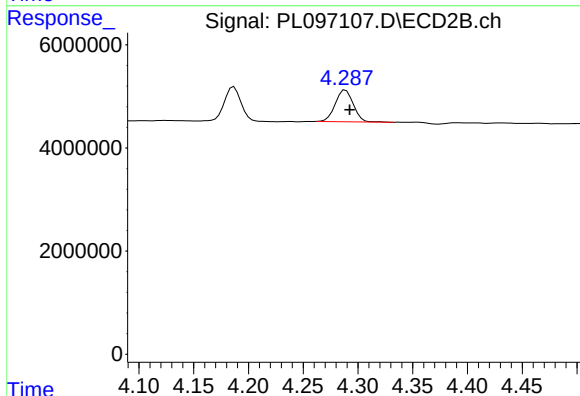
#5 Aldrin

R.T.: 5.233 min
Delta R.T.: -0.002 min
Response: 5240575
Conc: 1.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

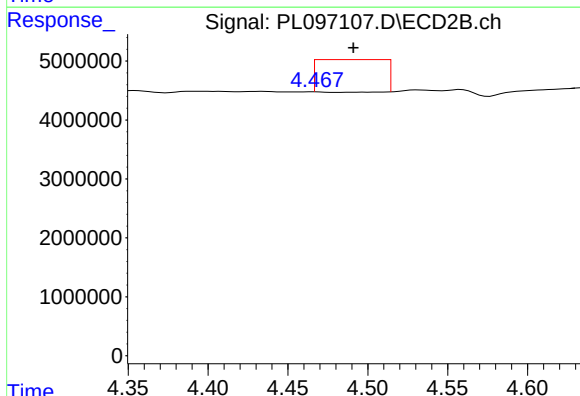
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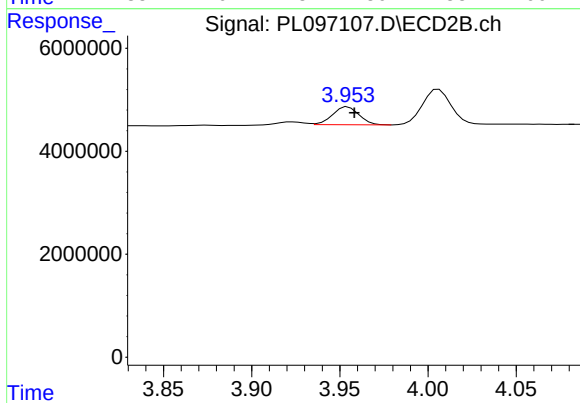
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.004 min
Response: 7042501
Conc: 1.00 ng/ml



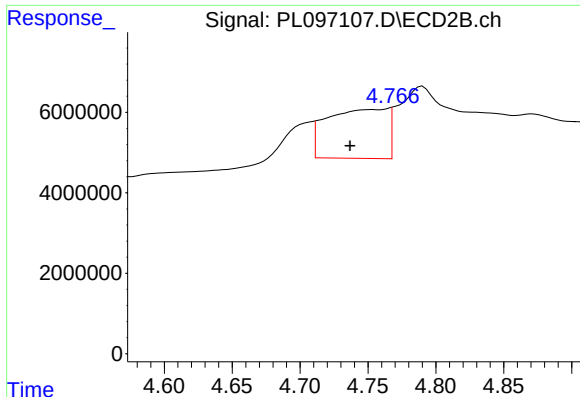
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.003 min
Response: 2336153
Conc: 1.02 ng/ml m



#6 beta-BHC

R.T.: 3.953 min
Delta R.T.: -0.005 min
Response: 3616560
Conc: 1.11 ng/ml m



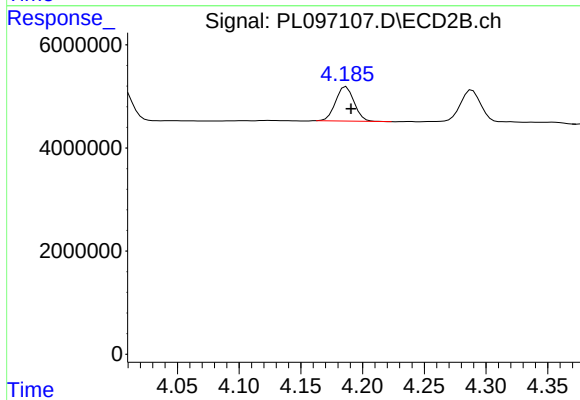
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.003 min
Response: 5645711
Conc: 1.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

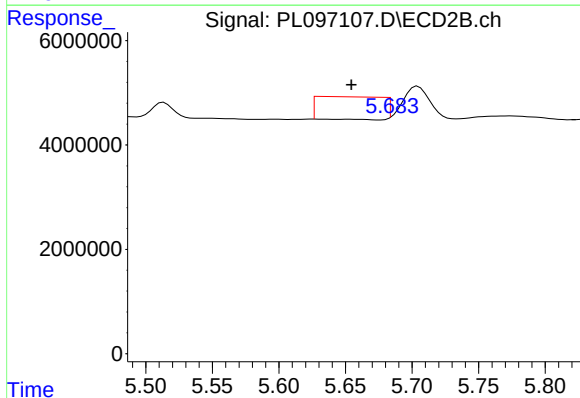
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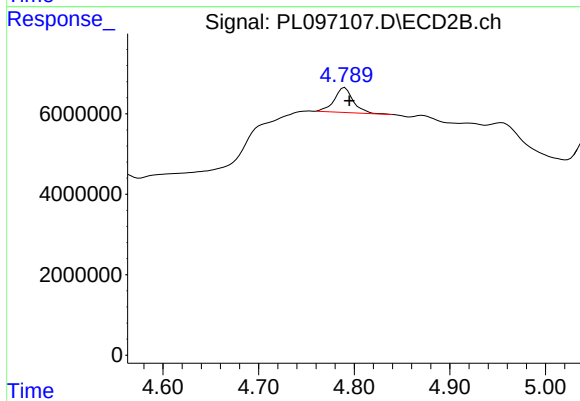
#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: -0.004 min
Response: 6976081
Conc: 0.95 ng/ml



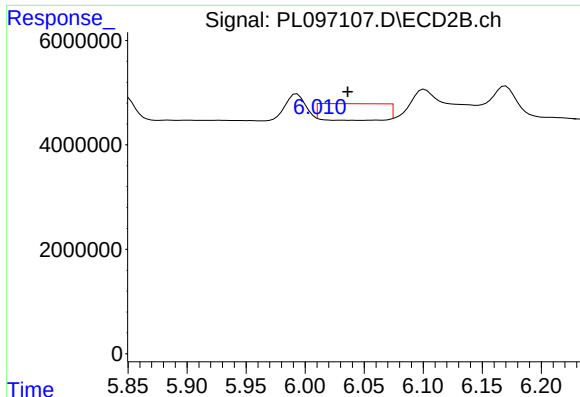
#8 Heptachlor epoxide

R.T.: 5.650 min
Delta R.T.: -0.005 min
Response: 7432236
Conc: 1.44 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.790 min
Delta R.T.: -0.004 min
Response: 8406344
Conc: 1.33 ng/ml



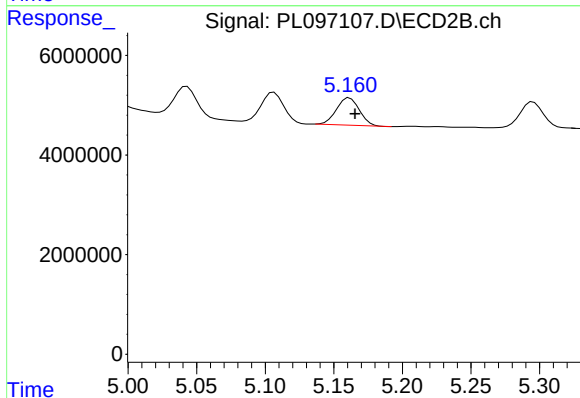
#9 Endosulfan I

R.T.: 6.034 min
Delta R.T.: -0.002 min
Response: 4799297
Conc: 1.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

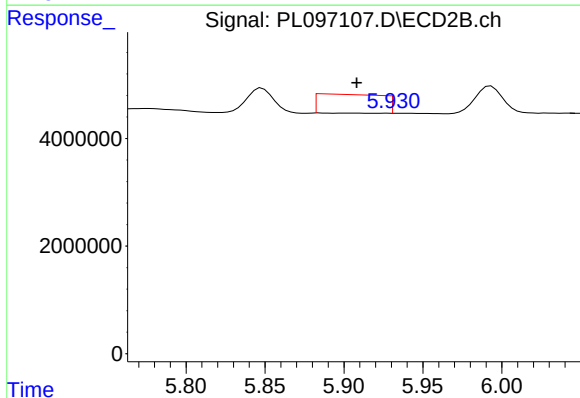
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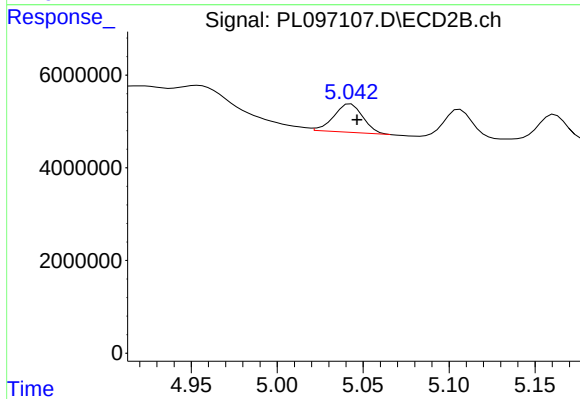
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.004 min
Response: 6425226
Conc: 1.07 ng/ml



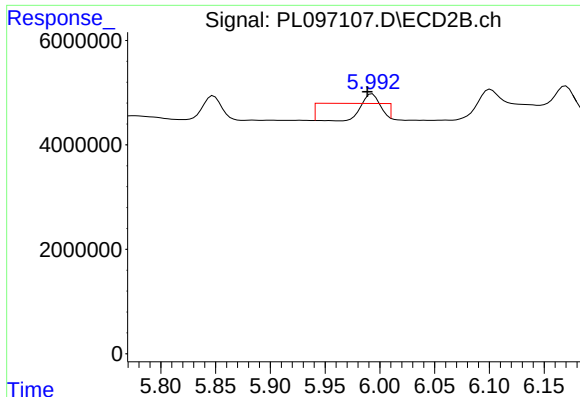
#10 gamma-Chlordane

R.T.: 5.906 min
Delta R.T.: -0.002 min
Response: 4569869
Conc: 0.99 ng/ml



#10 gamma-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.005 min
Response: 7140957
Conc: 1.08 ng/ml m



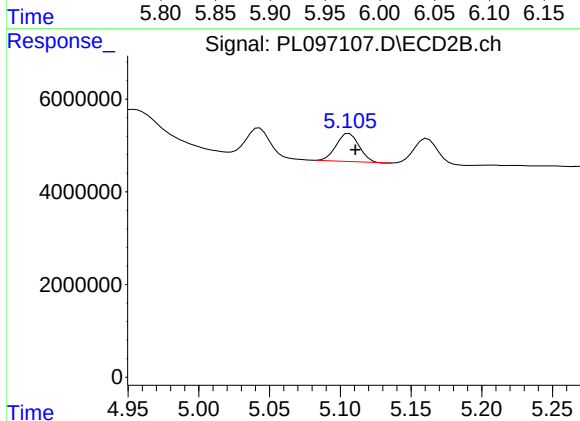
#11 alpha-Chlordane

R.T.: 5.987 min
Delta R.T.: -0.002 min
Response: 5284981
Conc: 1.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

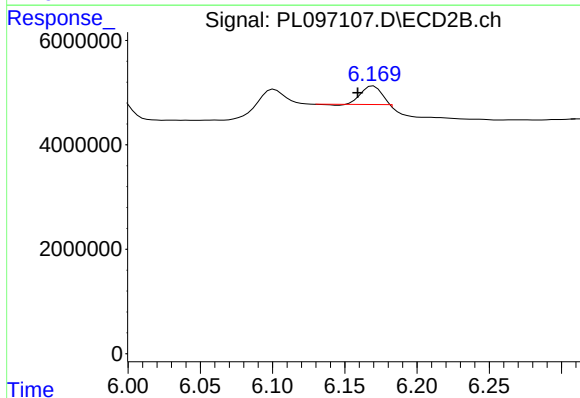
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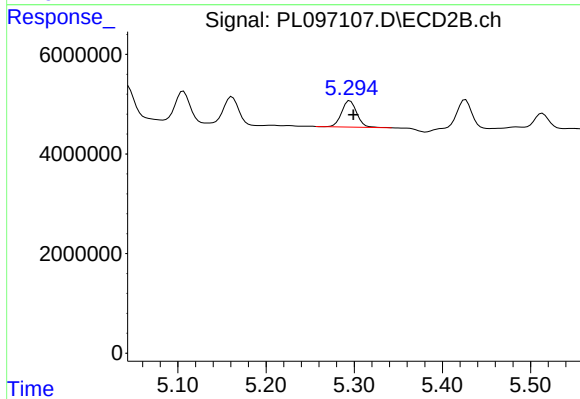
#11 alpha-Chlordane

R.T.: 5.106 min
Delta R.T.: -0.004 min
Response: 6819086
Conc: 1.04 ng/ml



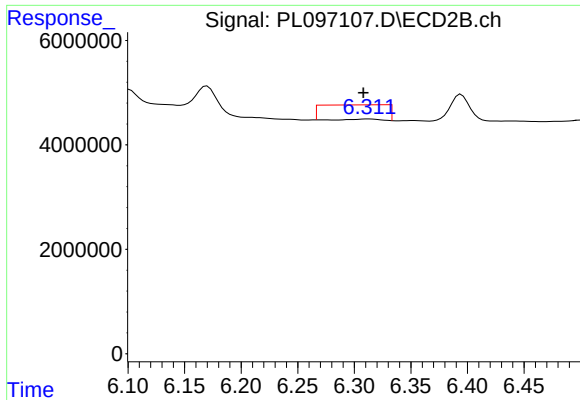
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.004 min
Response: 3845644
Conc: 0.96 ng/ml m



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: -0.004 min
Response: 6304377
Conc: 1.02 ng/ml



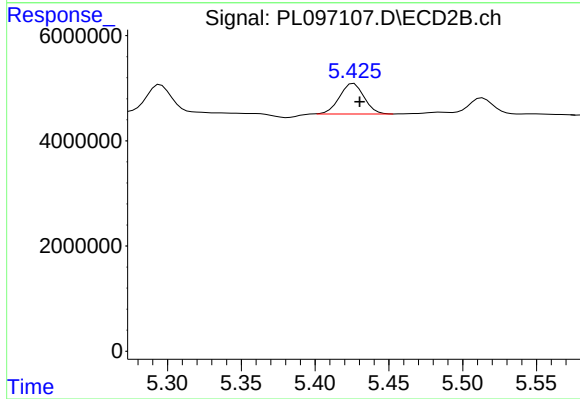
#13 Dieldrin

R.T.: 6.306 min
Delta R.T.: -0.002 min
Response: 4379599
Conc: 0.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

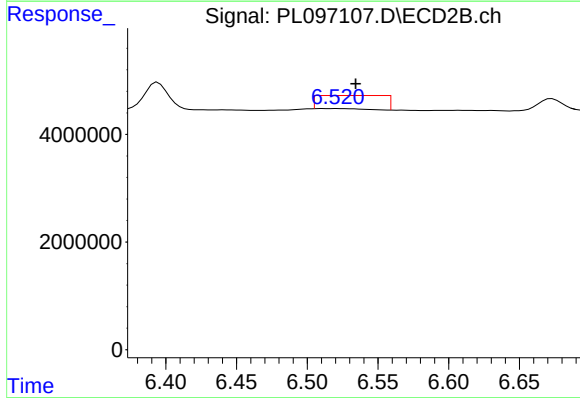
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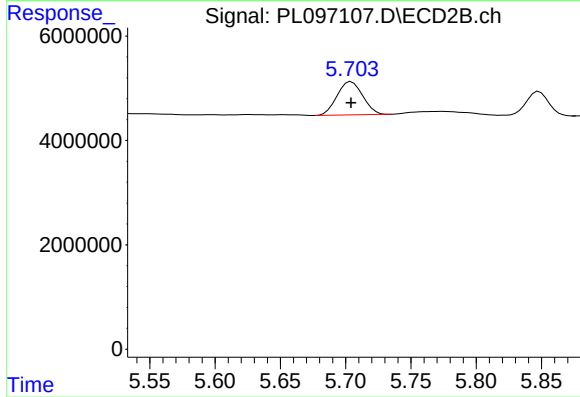
#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: -0.005 min
Response: 6706852
Conc: 1.02 ng/ml m



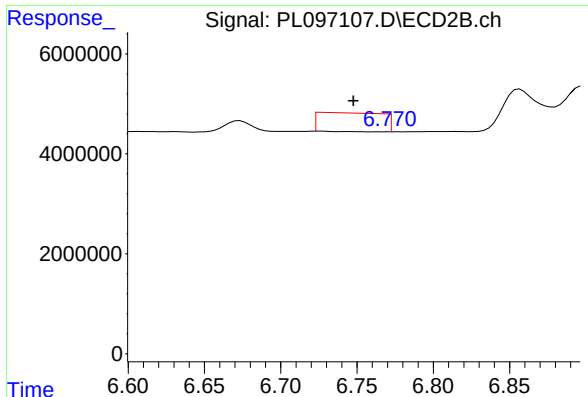
#14 Endrin

R.T.: 6.531 min
Delta R.T.: -0.003 min
Response: 3544635
Conc: 0.95 ng/ml m



#14 Endrin

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 8724147
Conc: 1.48 ng/ml



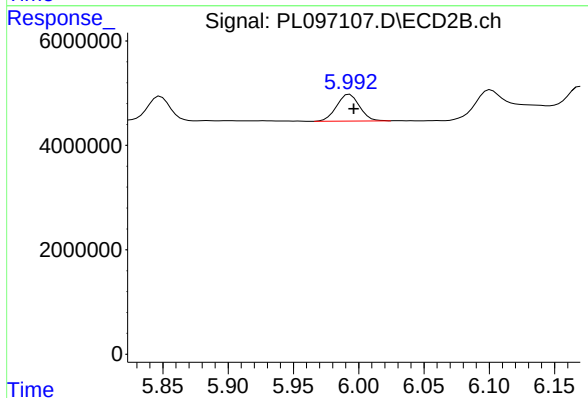
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.004 min
Response: 4731331
Conc: 1.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

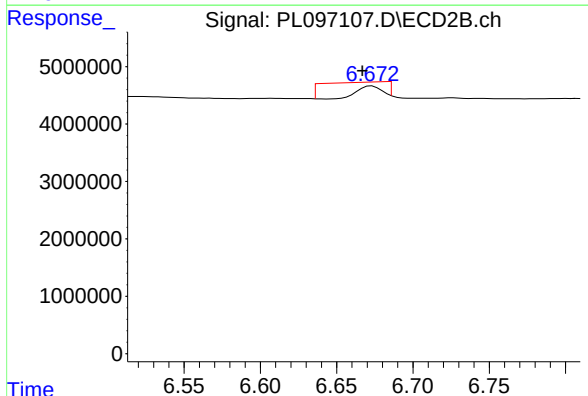
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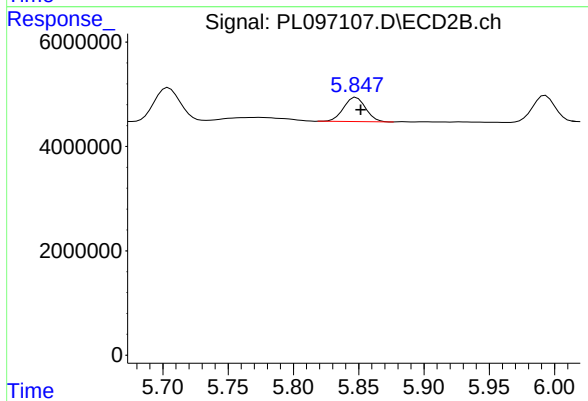
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.003 min
Response: 6257122
Conc: 1.09 ng/ml



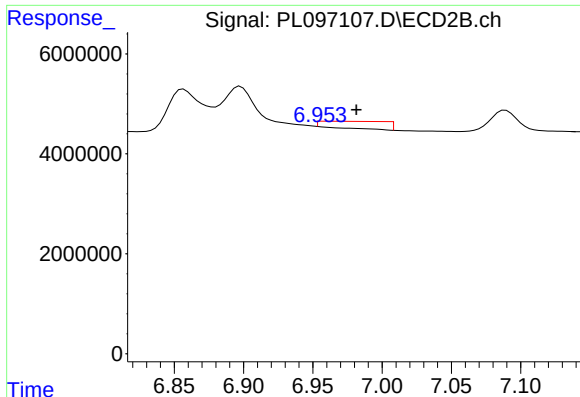
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 4531089
Conc: 1.44 ng/ml m



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.003 min
Response: 5470343
Conc: 1.05 ng/ml



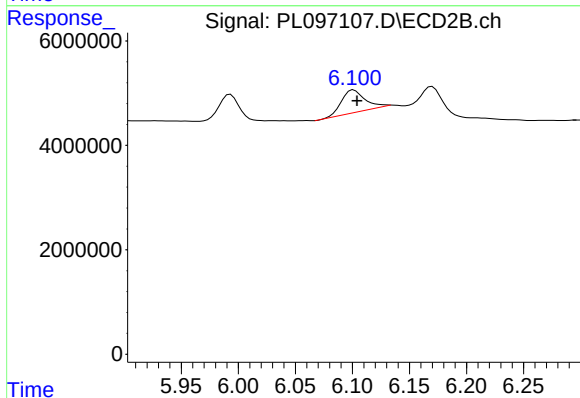
#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: -0.003 min
Response: 2671285
Conc: 0.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

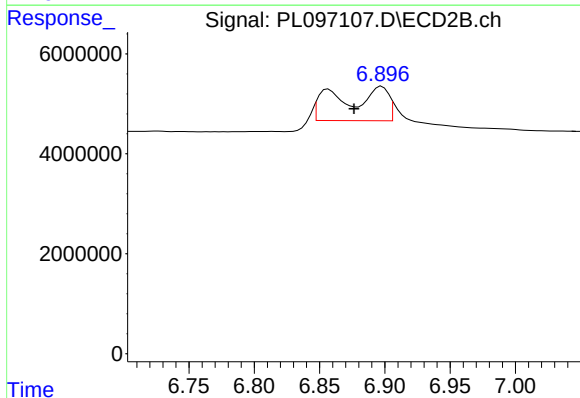
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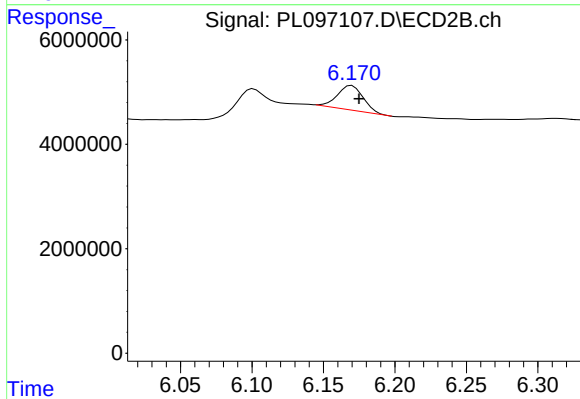
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.005 min
Response: 6349920
Conc: 1.16 ng/ml m



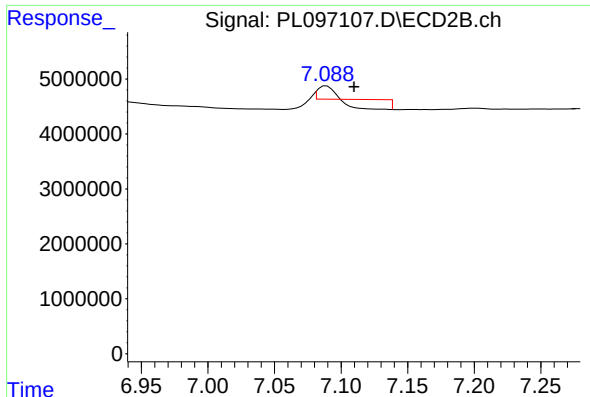
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.003 min
Response: 3202862
Conc: 1.23 ng/ml m



#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: -0.005 min
Response: 5844493
Conc: 1.22 ng/ml m



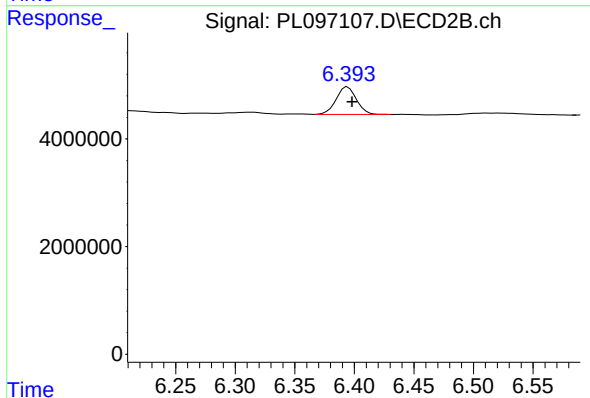
#19 Endosulfan Sulfate

R.T.: 7.107 min
Delta R.T.: -0.002 min
Response: 3677311
Conc: 1.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

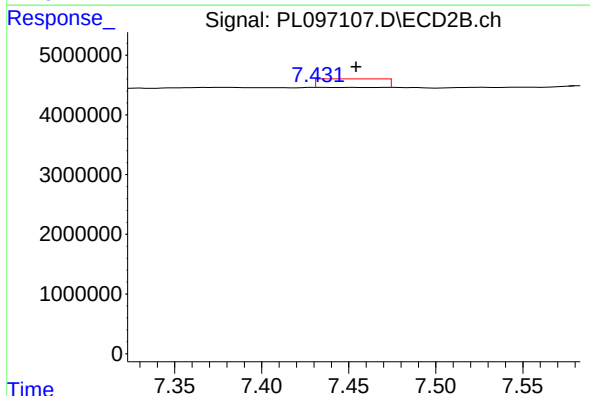
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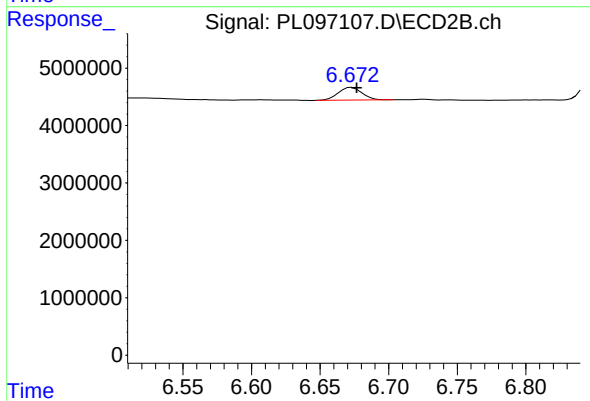
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.004 min
Response: 6029526
Conc: 1.08 ng/ml



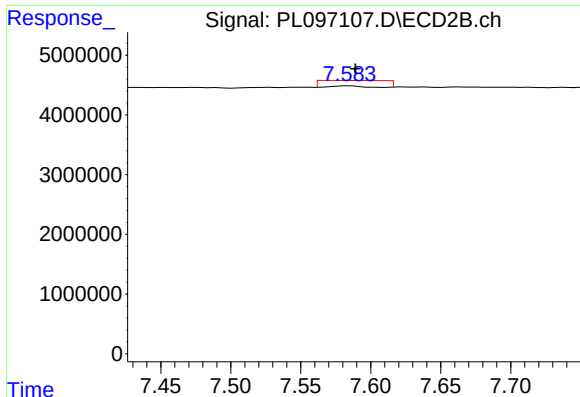
#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 1615782
Conc: 0.93 ng/ml m



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.005 min
Response: 2681218
Conc: 0.89 ng/ml m



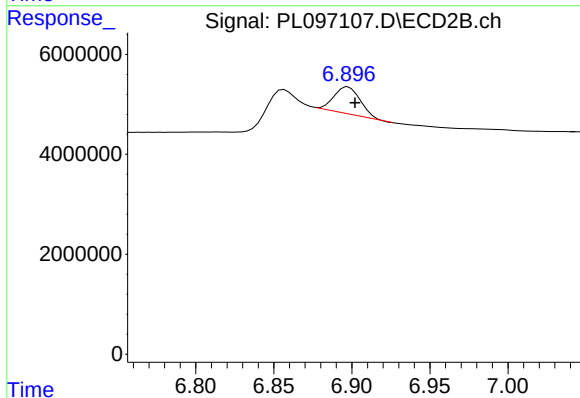
#21 Endrin ketone

R.T.: 7.585 min
Delta R.T.: -0.004 min
Response: 3806182
Conc: 1.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

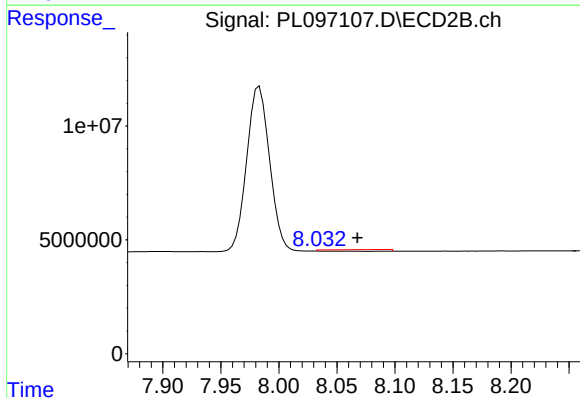
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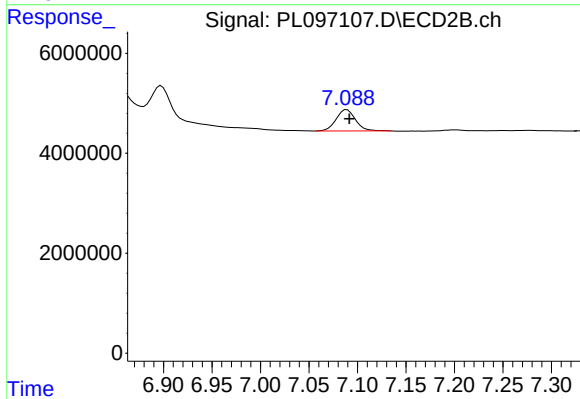
#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: -0.006 min
Response: 6234290
Conc: 1.00 ng/ml m



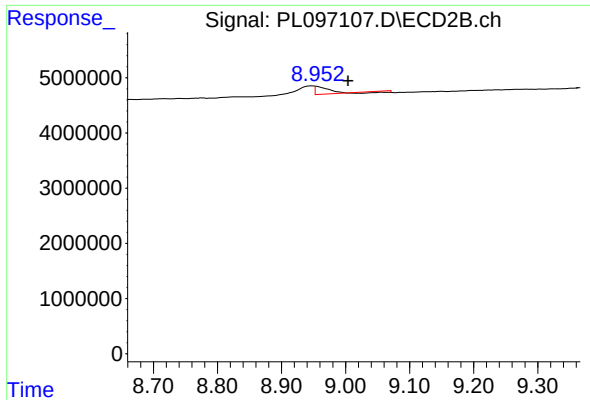
#22 Mirex

R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 3484427
Conc: 1.16 ng/ml m



#22 Mirex

R.T.: 7.089 min
Delta R.T.: -0.003 min
Response: 5897518
Conc: 1.21 ng/ml



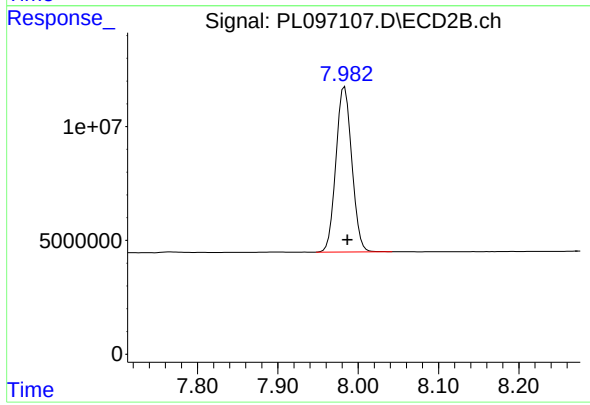
#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.002 min
Response: 58501121
Conc: 19.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
MDL-WATER-03-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2025
Supervised By :mohammad ahmed 09/12/2025



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: -0.003 min
Response: 99723081
Conc: 20.79 ng/ml