

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
 Data File : PL097057.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 17:53
 Operator : AR\AJ
 Sample : Q2893-07
 Misc : PEST LOD 2.5PPB
 ALS Vial : 10 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

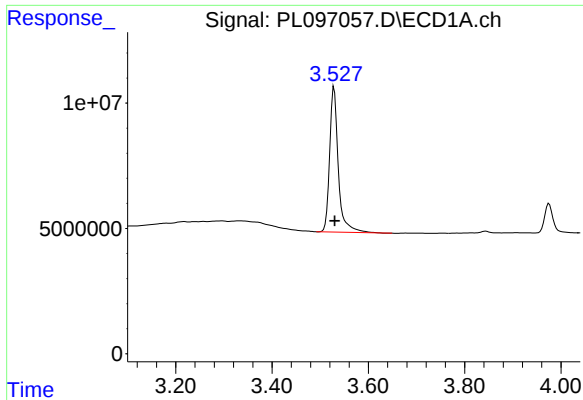
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 09:23:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 09:22:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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	2.824	72367020	108.1E6	18.349	19.175
28)	SA Decachlor...	9.005	7.985	60082819	106.9E6	20.294	22.290
Target Compounds							
2)	A alpha-BHC	3.975	3.329	14120812	20613278	2.437	2.510
3)	MA gamma-BHC...	4.303	3.661	13597346	19624104	2.490	2.664
4)	MA Heptachlor	4.895	4.009	14971820	20858628	2.808	2.772
5)	MB Aldrin	5.234	4.291	14246312	19292342	2.712	2.743
6)	B beta-BHC	4.491	3.958	5975596	9586900	2.613	2.939
7)	B delta-BHC	4.736	4.190	14713288	18601196	3.270	2.531
8)	B Heptachlo...	5.652	4.794	15778232	18342638	3.066m	2.900
9)	A Endosulfan I	6.035	5.164	12258801	16843997	2.853	2.811
10)	B gamma-Chl...	5.906	5.044	12447457	19216458	2.703m	2.907m
11)	B alpha-Chl...	5.988	5.110	13519370	18585175	2.873	2.846
12)	B 4,4'-DDE	6.158	5.298	9963498	16451916	2.497	2.673
13)	MA Dieldrin	6.307	5.427	11934460	18289855	2.628	2.791m
14)	MA Endrin	6.534	5.704	9465518	18266606	2.528	3.092
15)	B Endosulfa...	6.746	5.995	14560517	16750996	3.305	2.929
16)	A 4,4'-DDD	6.667	5.850	8121450	14683279	2.573	2.812
17)	MA 4,4'-DDT	6.980	6.103	8208010	13086902	2.344m	2.389
18)	B Endrin al...	6.876	6.172	8140389	21141066	3.129	4.397m#
19)	B Endosulfa...	7.109	6.397	9799561	16311121	2.854	2.911
20)	A Methoxychlor	7.453	6.675	4703383	8219700	2.710m	2.740
21)	B Endrin ke...	7.588	6.901	10139023	26701678	2.852m	4.266 #
22)	Mirex	8.068	7.091	8288043	15431885	2.770	3.178

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



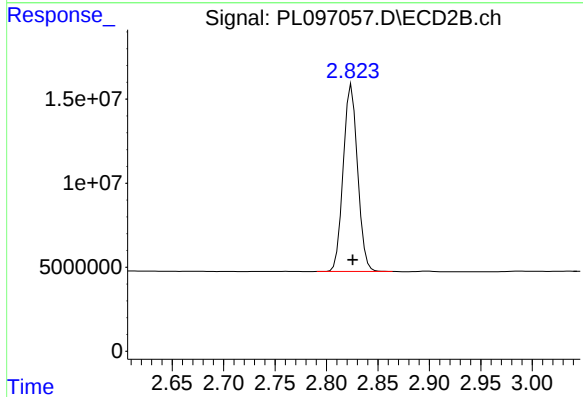
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.001 min
Response: 72367020
Conc: 18.35 ng/ml

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

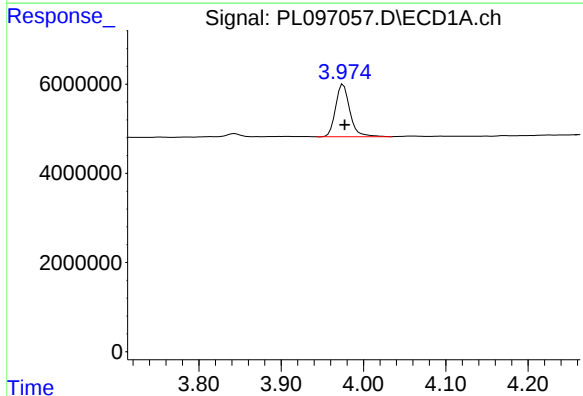
Manual Integrations
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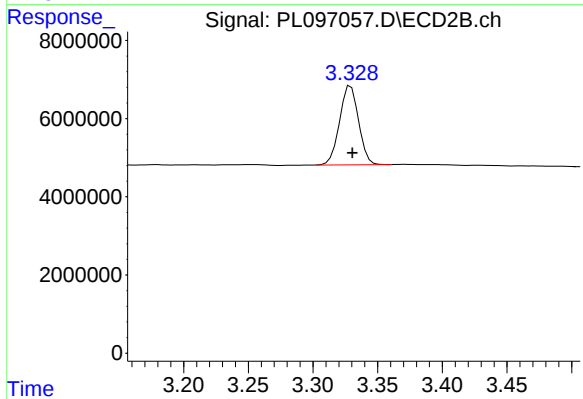
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 108083401
Conc: 19.18 ng/ml



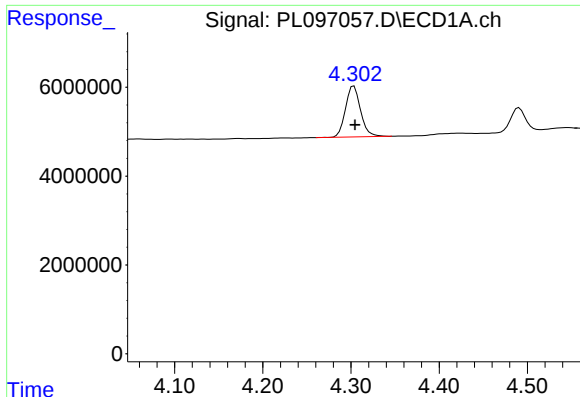
#2 alpha-BHC

R.T.: 3.975 min
Delta R.T.: -0.002 min
Response: 14120812
Conc: 2.44 ng/ml



#2 alpha-BHC

R.T.: 3.329 min
Delta R.T.: -0.001 min
Response: 20613278
Conc: 2.51 ng/ml



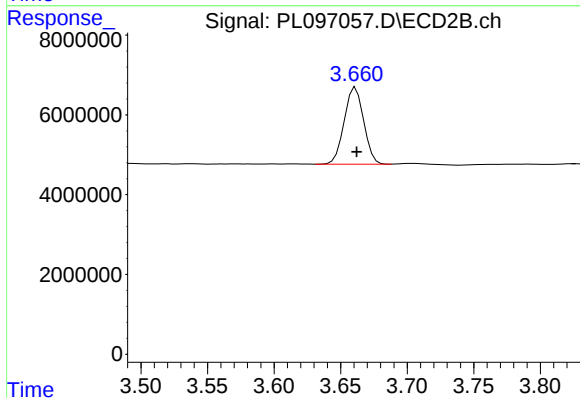
#3 gamma-BHC (Lindane)

R.T.: 4.303 min
Delta R.T.: -0.001 min
Response: 13597346
Conc: 2.49 ng/ml

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

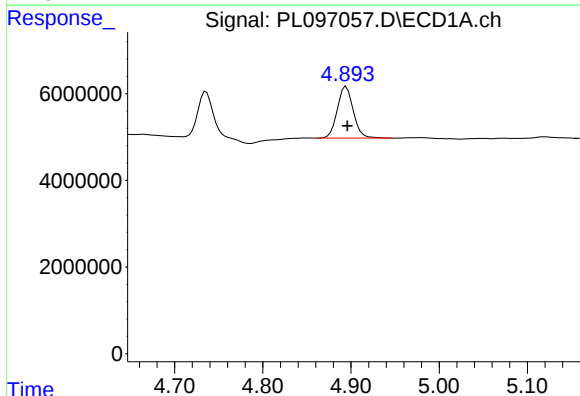
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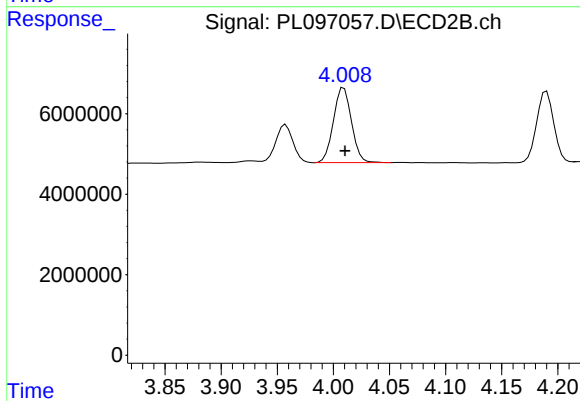
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 19624104
Conc: 2.66 ng/ml



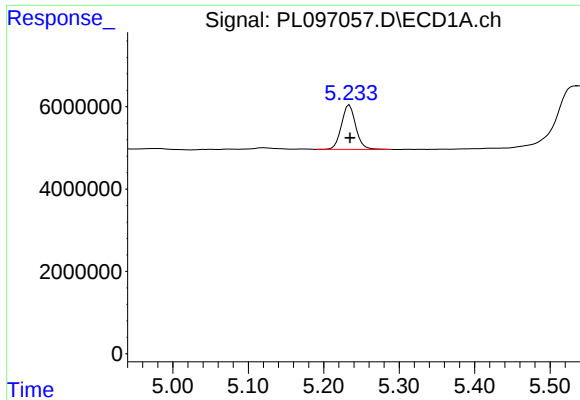
#4 Heptachlor

R.T.: 4.895 min
Delta R.T.: -0.001 min
Response: 14971820
Conc: 2.81 ng/ml



#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: -0.001 min
Response: 20858628
Conc: 2.77 ng/ml



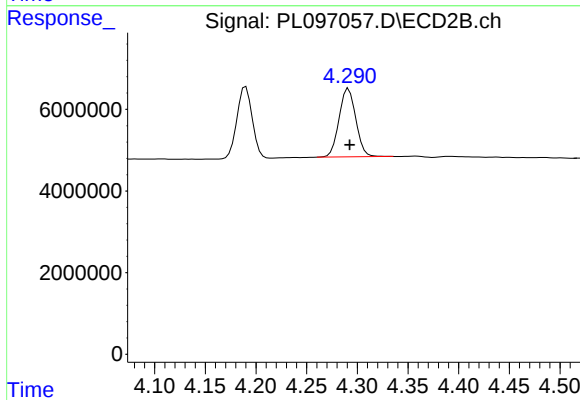
#5 Aldrin

R.T.: 5.234 min
Delta R.T.: -0.001 min
Response: 14246312
Conc: 2.71 ng/ml

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

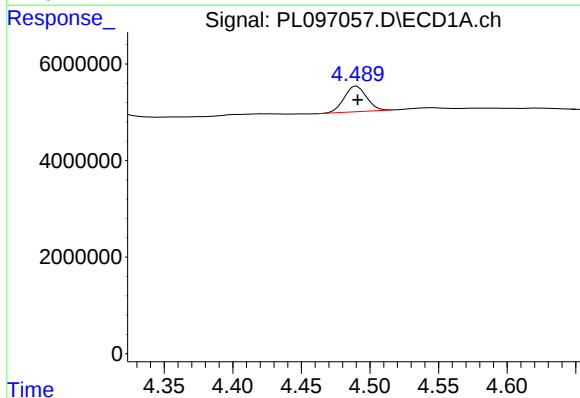
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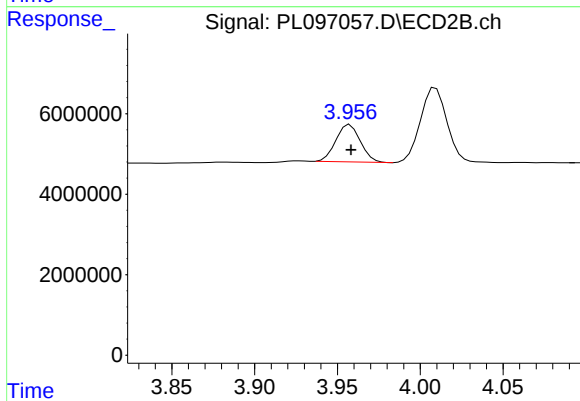
#5 Aldrin

R.T.: 4.291 min
Delta R.T.: -0.001 min
Response: 19292342
Conc: 2.74 ng/ml



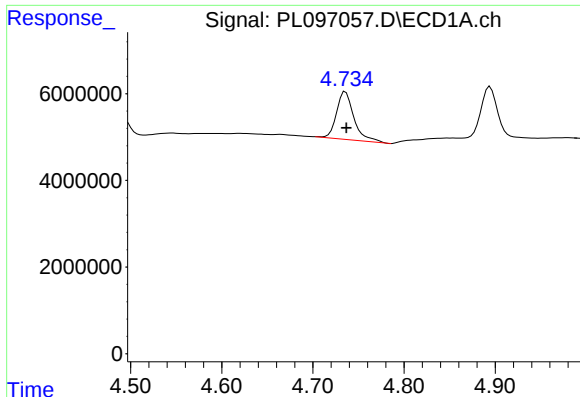
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: 0.000 min
Response: 5975596
Conc: 2.61 ng/ml



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: 0.000 min
Response: 9586900
Conc: 2.94 ng/ml



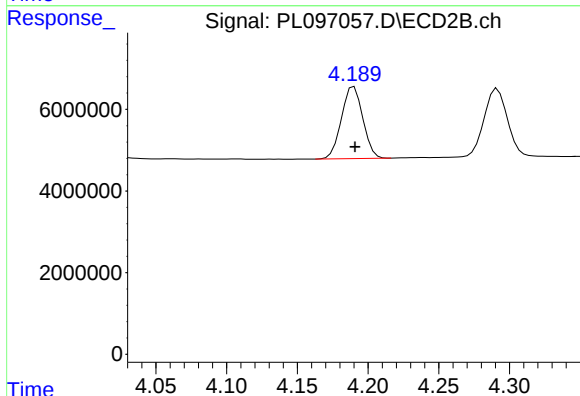
#7 delta-BHC

R.T.: 4.736 min
Delta R.T.: -0.001 min
Response: 14713288
Conc: 3.27 ng/ml

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

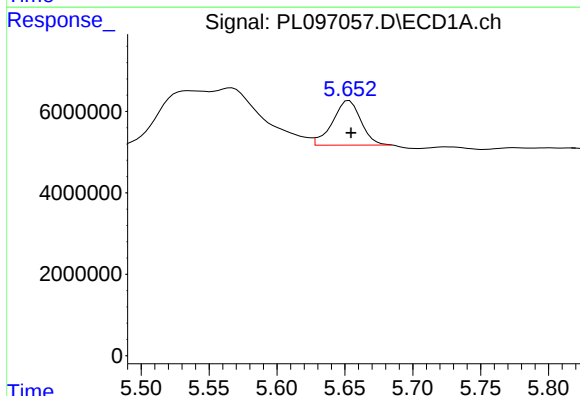
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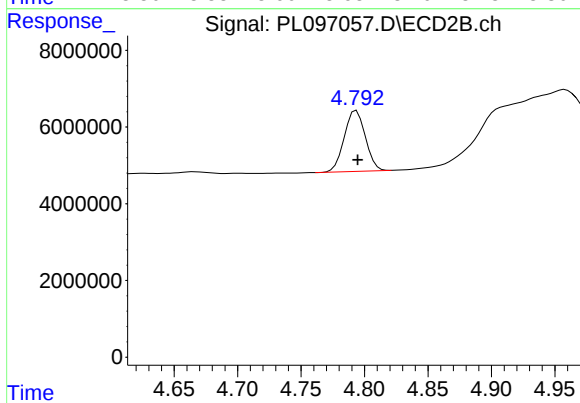
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 18601196
Conc: 2.53 ng/ml



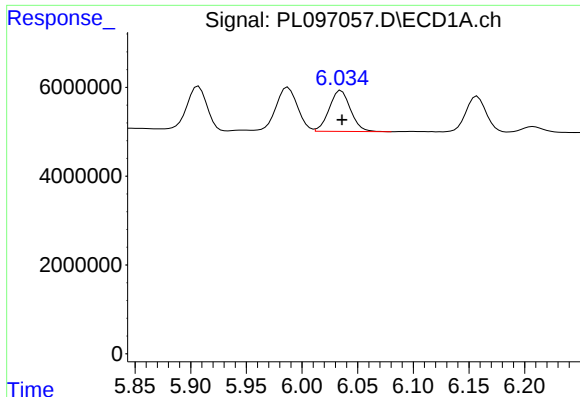
#8 Heptachlor epoxide

R.T.: 5.652 min
Delta R.T.: -0.003 min
Response: 15778232
Conc: 3.07 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: -0.001 min
Response: 18342638
Conc: 2.90 ng/ml



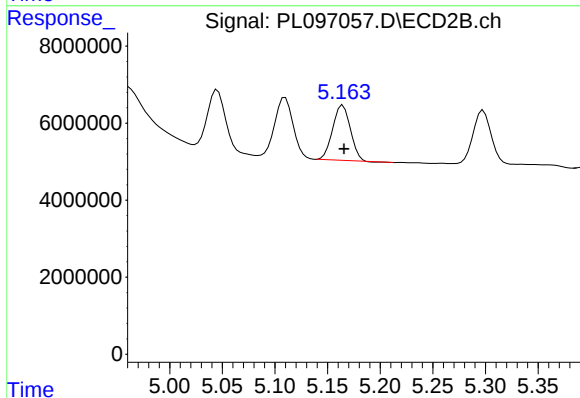
#9 Endosulfan I

R.T.: 6.035 min
Delta R.T.: 0.000 min
Response: 12258801
Conc: 2.85 ng/ml

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

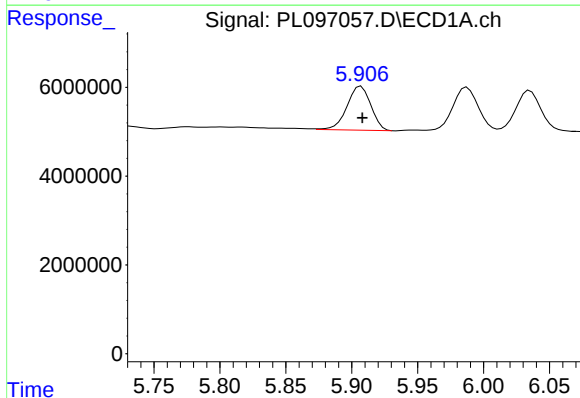
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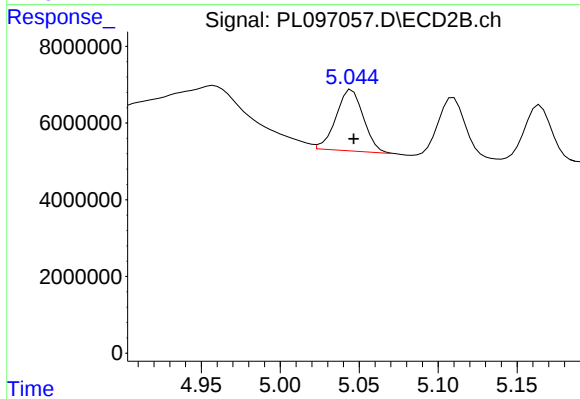
#9 Endosulfan I

R.T.: 5.164 min
Delta R.T.: -0.001 min
Response: 16843997
Conc: 2.81 ng/ml



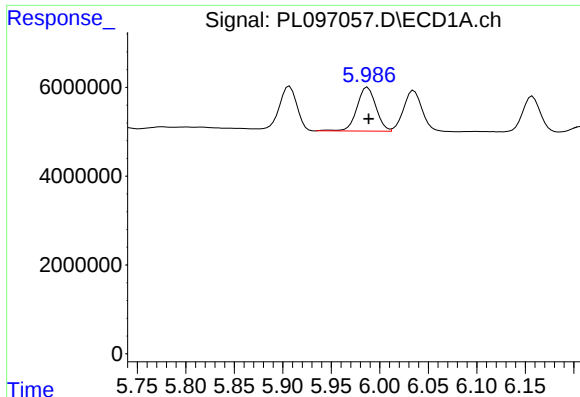
#10 gamma-Chlordane

R.T.: 5.906 min
Delta R.T.: -0.002 min
Response: 12447457
Conc: 2.70 ng/ml m



#10 gamma-Chlordane

R.T.: 5.044 min
Delta R.T.: -0.003 min
Response: 19216458
Conc: 2.91 ng/ml m



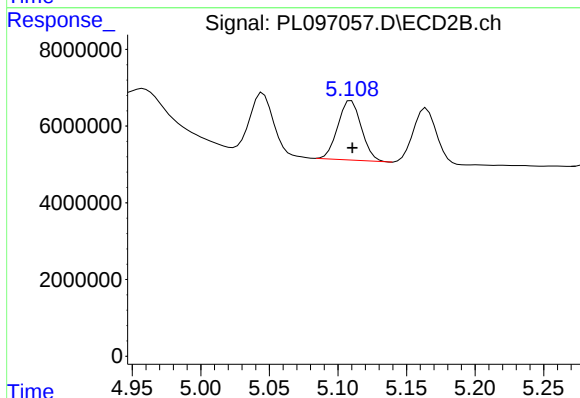
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.001 min
Response: 13519370
Conc: 2.87 ng/ml

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

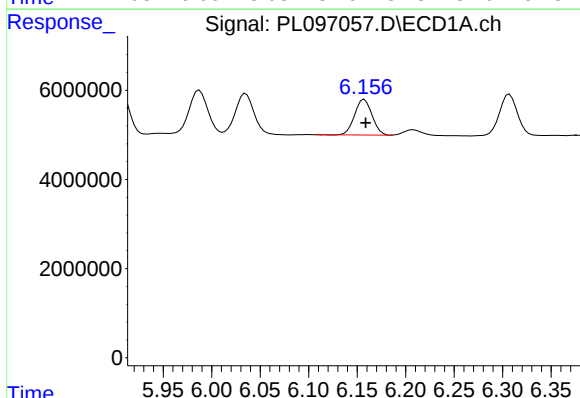
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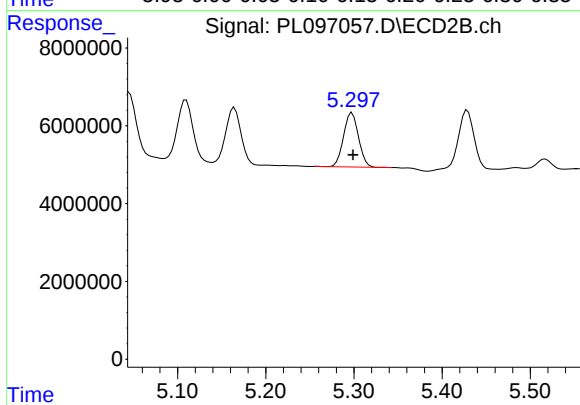
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: 0.000 min
Response: 18585175
Conc: 2.85 ng/ml



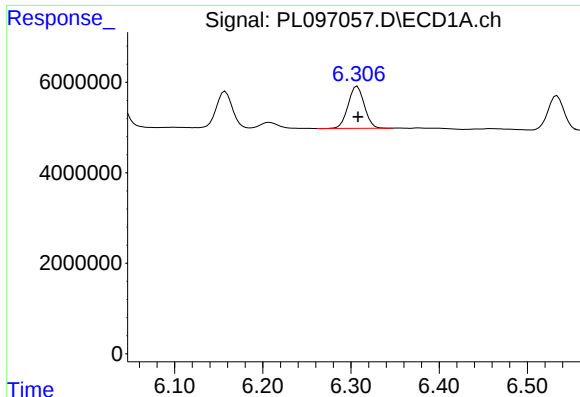
#12 4,4'-DDE

R.T.: 6.158 min
Delta R.T.: -0.001 min
Response: 9963498
Conc: 2.50 ng/ml



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.001 min
Response: 16451916
Conc: 2.67 ng/ml



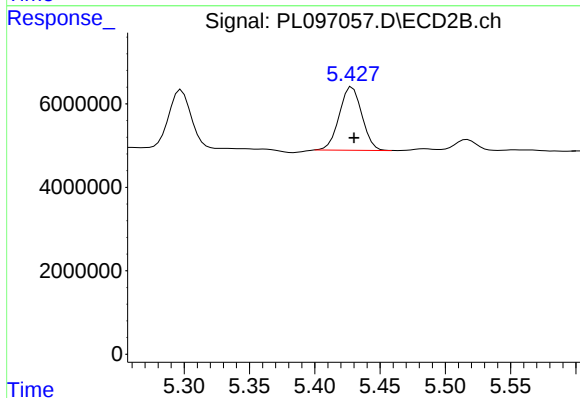
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: 0.000 min
Response: 11934460
Conc: 2.63 ng/ml

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

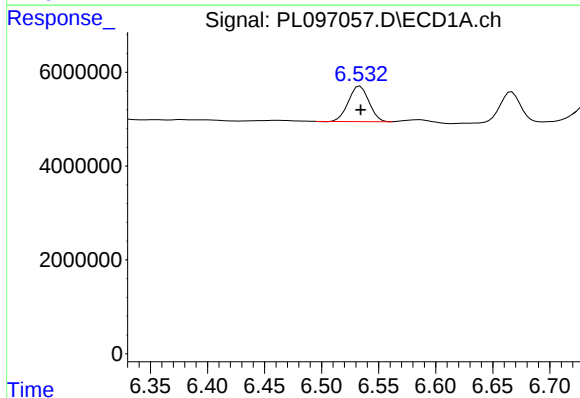
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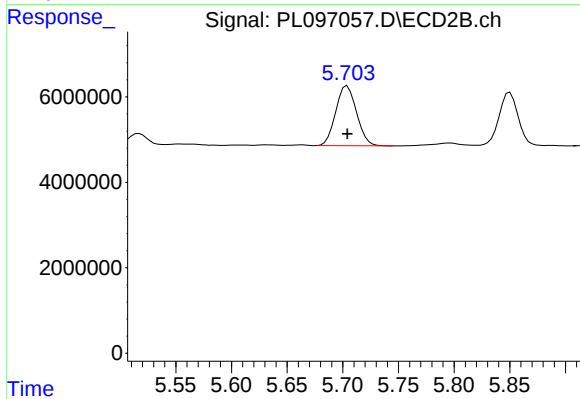
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.003 min
Response: 18289855
Conc: 2.79 ng/ml m



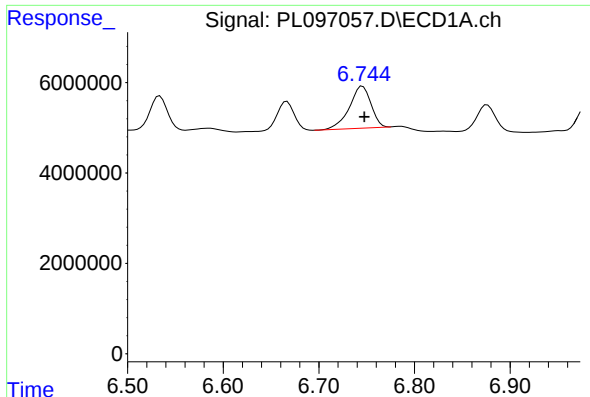
#14 Endrin

R.T.: 6.534 min
Delta R.T.: 0.000 min
Response: 9465518
Conc: 2.53 ng/ml



#14 Endrin

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 18266606
Conc: 3.09 ng/ml



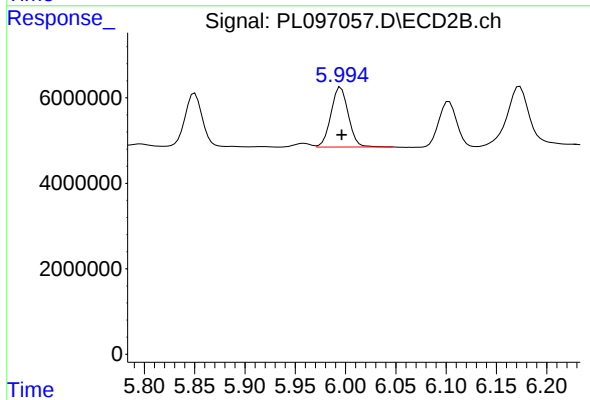
#15 Endosulfan II

R.T.: 6.746 min
Delta R.T.: -0.002 min
Response: 14560517
Conc: 3.31 ng/ml

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

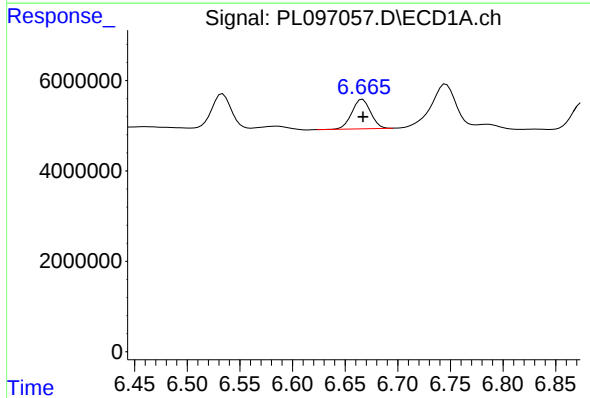
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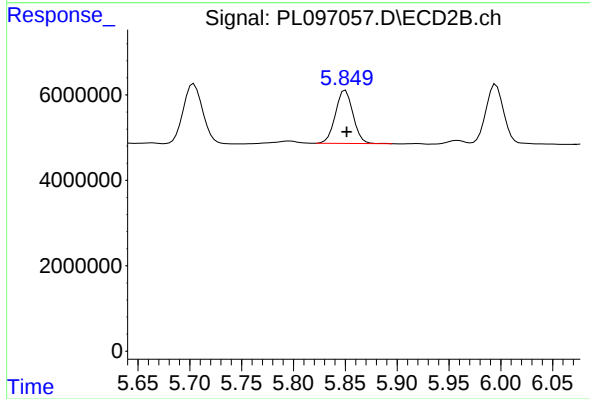
#15 Endosulfan II

R.T.: 5.995 min
Delta R.T.: -0.001 min
Response: 16750996
Conc: 2.93 ng/ml



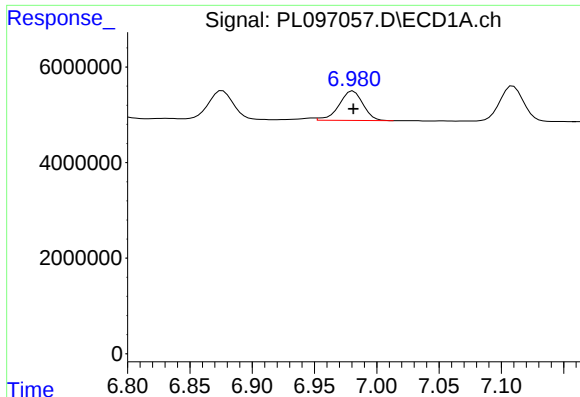
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: 0.000 min
Response: 8121450
Conc: 2.57 ng/ml



#16 4,4'-DDD

R.T.: 5.850 min
Delta R.T.: -0.001 min
Response: 14683279
Conc: 2.81 ng/ml



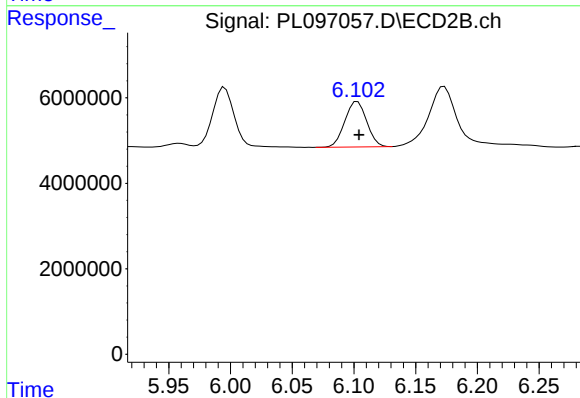
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 8208010
Conc: 2.34 ng/ml

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

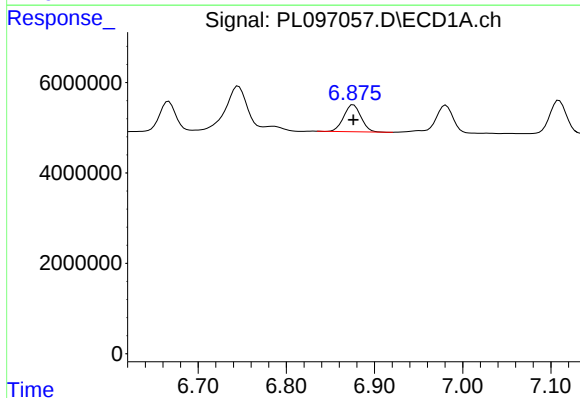
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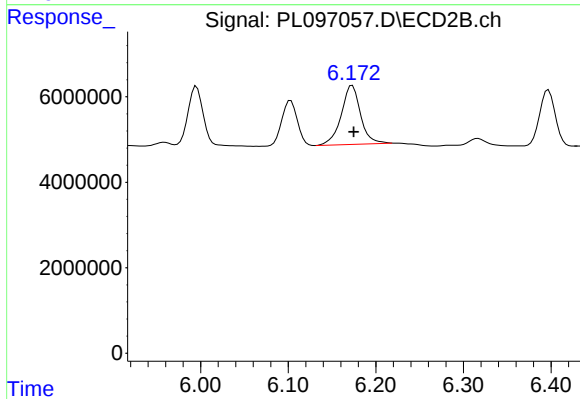
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.001 min
Response: 13086902
Conc: 2.39 ng/ml



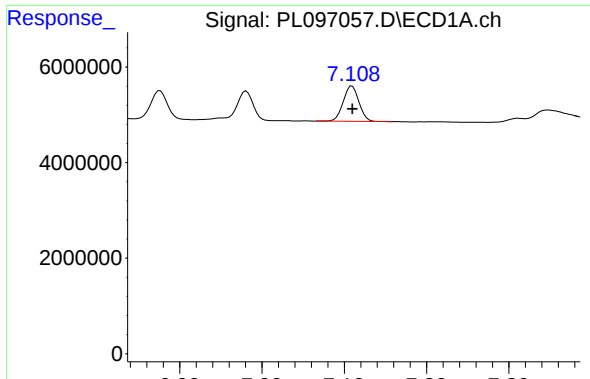
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 8140389
Conc: 3.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: -0.003 min
Response: 21141066
Conc: 4.40 ng/ml m



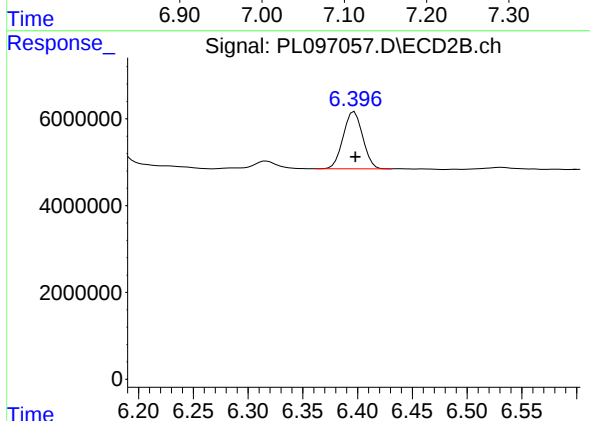
#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: 0.000 min
Response: 9799561
Conc: 2.85 ng/ml

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

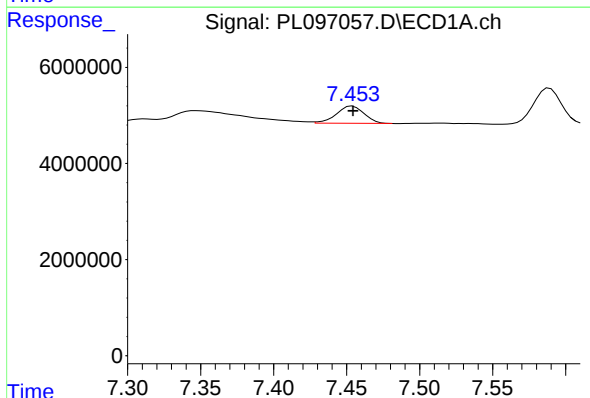
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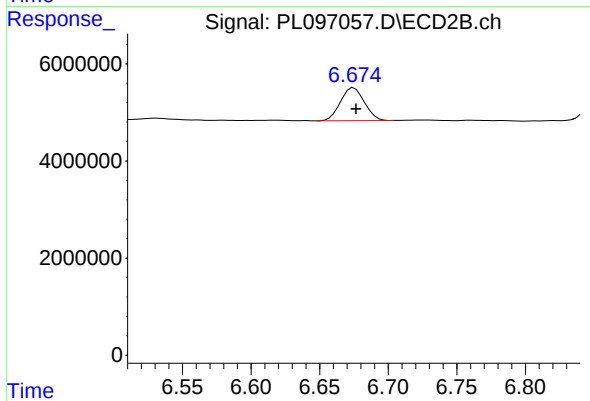
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: -0.001 min
Response: 16311121
Conc: 2.91 ng/ml



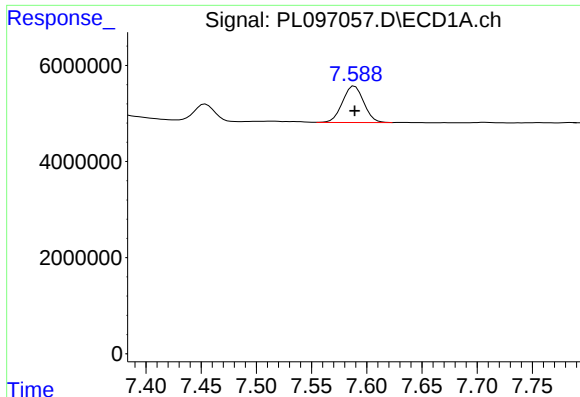
#20 Methoxychlor

R.T.: 7.453 min
Delta R.T.: -0.002 min
Response: 4703383
Conc: 2.71 ng/ml m



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.001 min
Response: 8219700
Conc: 2.74 ng/ml



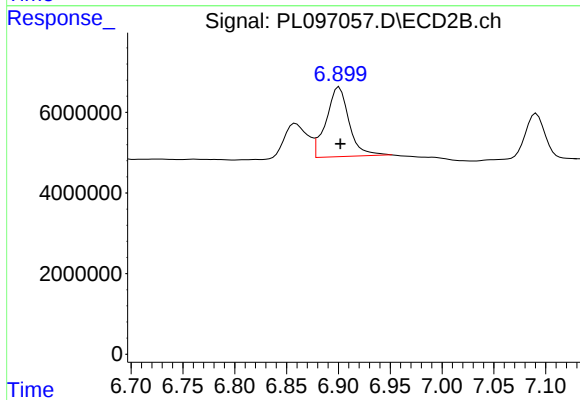
#21 Endrin ketone

R.T.: 7.588 min
Delta R.T.: -0.001 min
Response: 10139023
Conc: 2.85 ng/ml

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

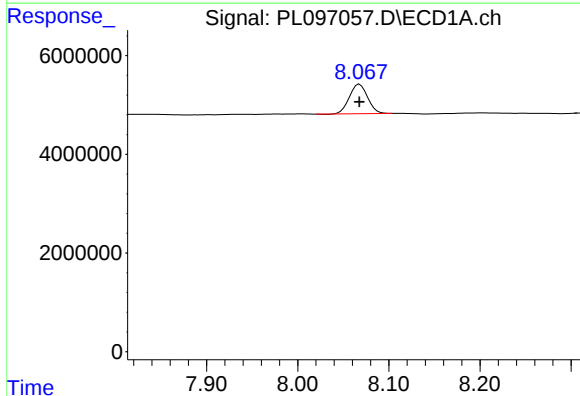
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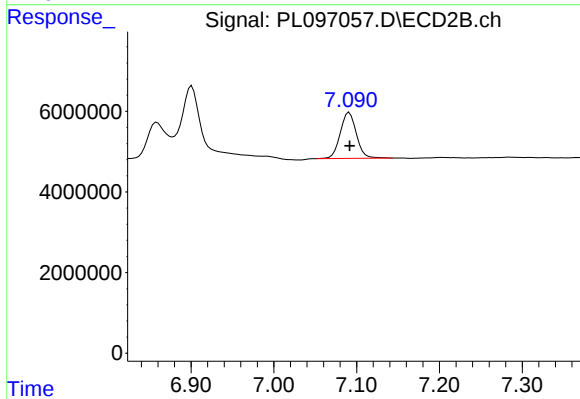
#21 Endrin ketone

R.T.: 6.901 min
Delta R.T.: -0.001 min
Response: 26701678
Conc: 4.27 ng/ml



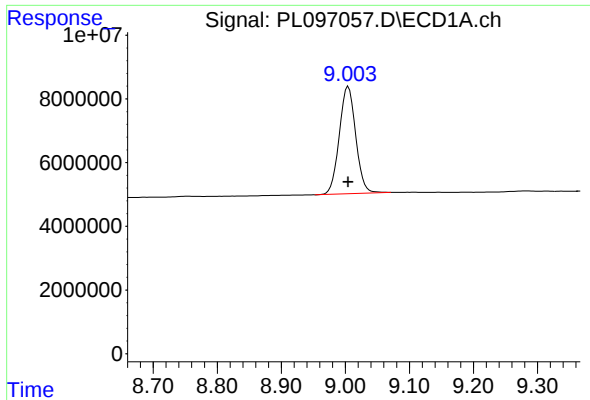
#22 Mirex

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 8288043
Conc: 2.77 ng/ml



#22 Mirex

R.T.: 7.091 min
Delta R.T.: 0.000 min
Response: 15431885
Conc: 3.18 ng/ml



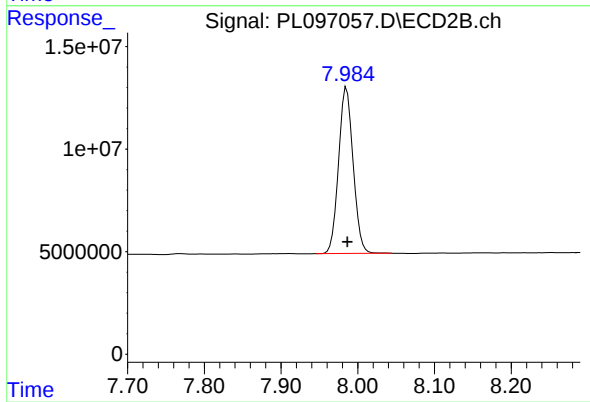
#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: 0.000 min
Response: 60082819
Conc: 20.29 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.: 7.985 min
Delta R.T.: -0.001 min
Response: 106896044
Conc: 22.29 ng/ml