

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
 Data File : PL097059.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 18:20
 Operator : AR\AJ
 Sample : Q2893-08
 Misc : PEST LOQ 5PPB
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOQ-WATER-02-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 09:24:43 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	69438875	101.8E6	17.607	18.058
28)	SA Decachlor...	9.004	7.986	58181871	104.2E6	19.652	21.726
Target Compounds							
2)	A alpha-BHC	3.976	3.330	27162935	38844926	4.688	4.731
3)	MA gamma-BHC...	4.304	3.661	26494217	37331343	4.851	5.068
4)	MA Heptachlor	4.895	4.009	28070394	39010619	5.264	5.185
5)	MB Aldrin	5.235	4.292	26649654	36290066	5.073	5.160
6)	B beta-BHC	4.491	3.958	11784992	17582683	5.153	5.390
7)	B delta-BHC	4.736	4.190	25920594	35617964	5.760	4.847
8)	B Heptachlo...	5.653	4.794	28371025	34736487	5.513m	5.492
9)	A Endosulfan I	6.036	5.164	22797942	31918404	5.306	5.327
10)	B gamma-Chl...	5.908	5.046	23895398	33989351	5.188	5.141
11)	B alpha-Chl...	5.988	5.110	24650062	34884446	5.238	5.342
12)	B 4,4'-DDE	6.158	5.298	19615917	31382599	4.916	5.099
13)	MA Dieldrin	6.308	5.429	22635155	34291438	4.985	5.233
14)	MA Endrin	6.534	5.704	18111138	30475364	4.836	5.159
15)	B Endosulfa...	6.745	5.994	25280436	31518670	5.739m	5.511m
16)	A 4,4'-DDD	6.667	5.849	16007655	28136698	5.072	5.388m
17)	MA 4,4'-DDT	6.981	6.103	16045637	25996528	4.581	4.746
18)	B Endrin al...	6.876	6.173	15091939	32545485	5.801	6.768
19)	B Endosulfa...	7.110	6.397	18200204	30851807	5.301	5.506
20)	A Methoxychlor	7.454	6.675	8463345	15973740	4.877	5.325
21)	B Endrin ke...	7.589	6.901	19410595	39356618	5.460	6.288
22)	Mirex	8.068	7.091	15820353	27984216	5.288	5.762

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
Data File : PL097059.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 18:20
Operator : AR\AJ
Sample : Q2893-08
Misc : PEST LOQ 5PPB
ALS Vial : 12 Sample Multiplier: 1

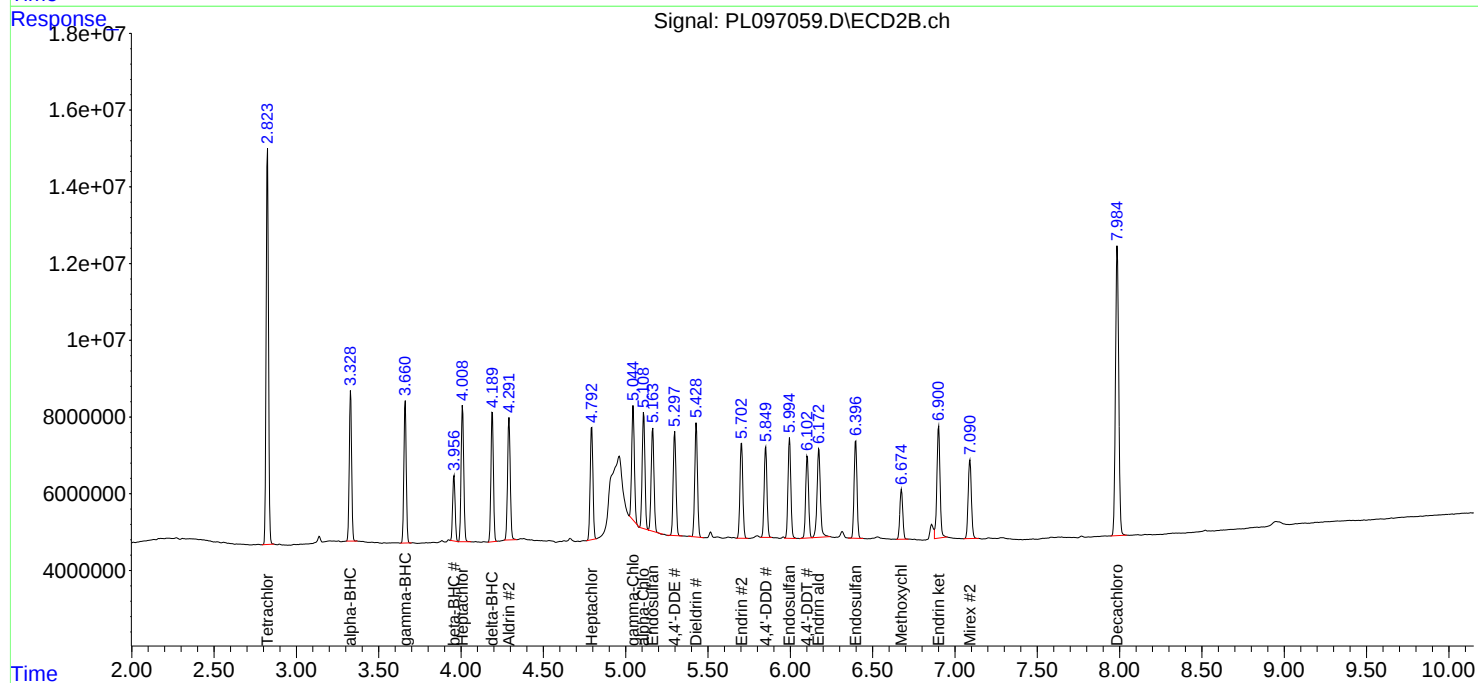
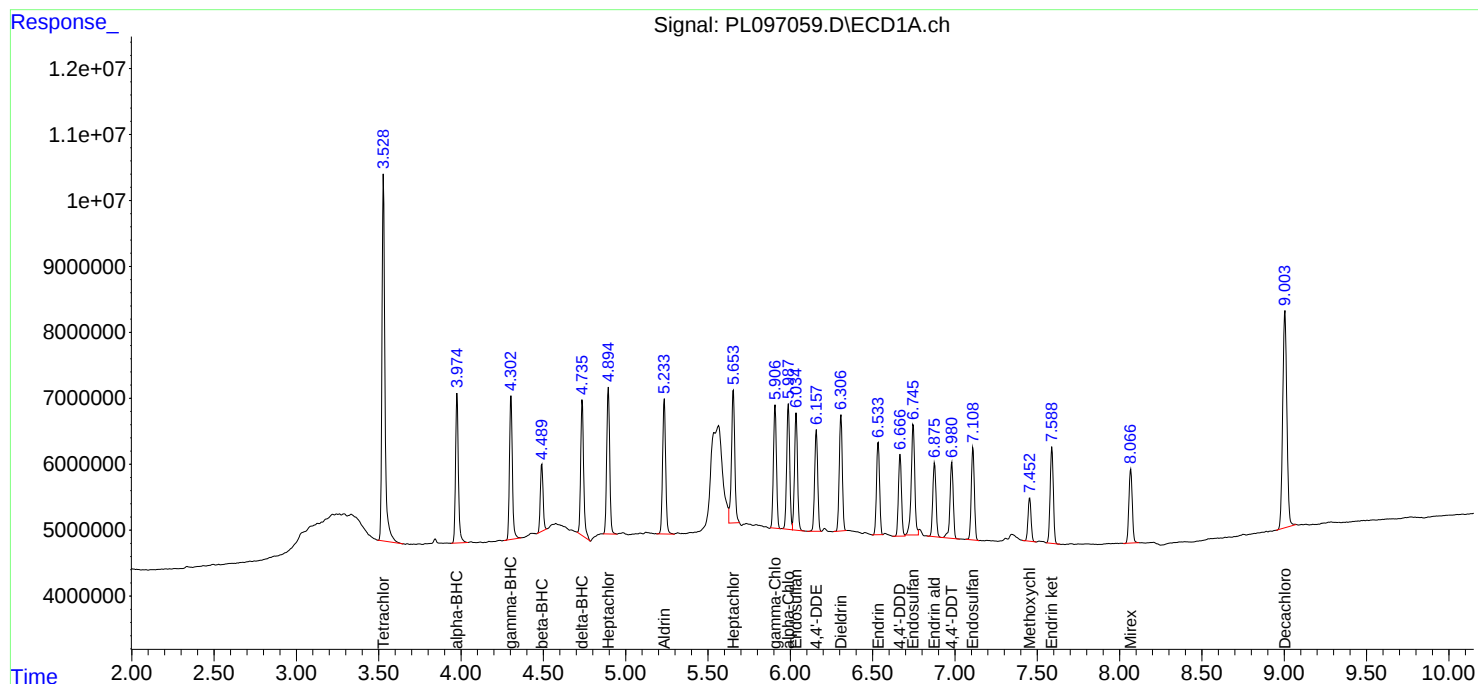
Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

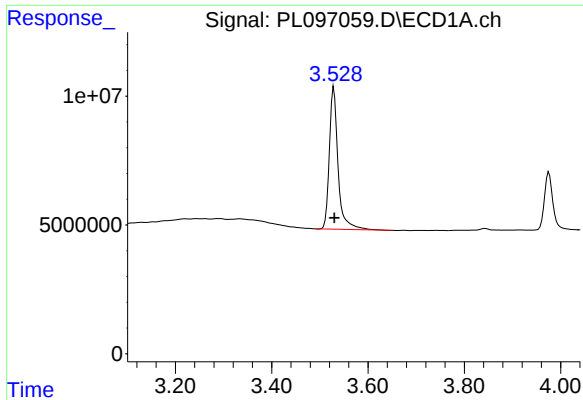
Manual Integrations
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Supervised By :mohammad ahmed 09/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 05 09:24:43 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





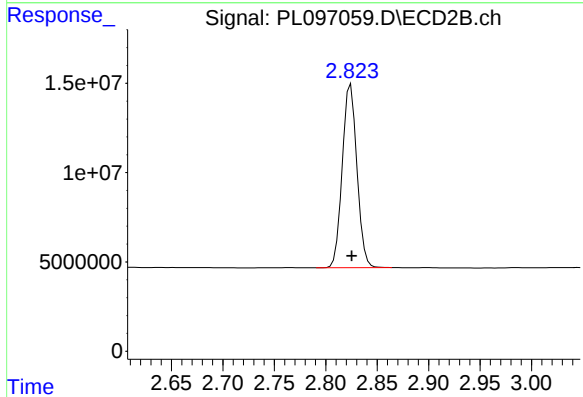
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.001 min
Response: 69438875
Conc: 17.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

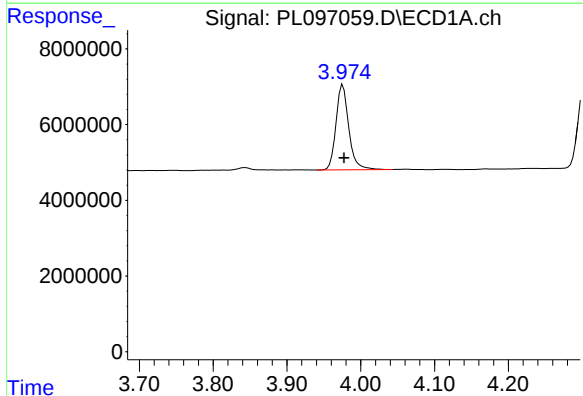
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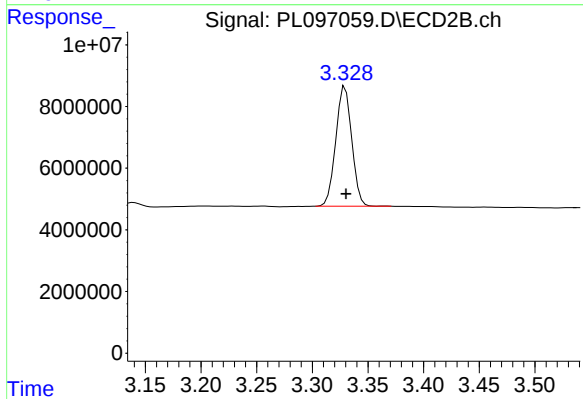
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 101787089
Conc: 18.06 ng/ml



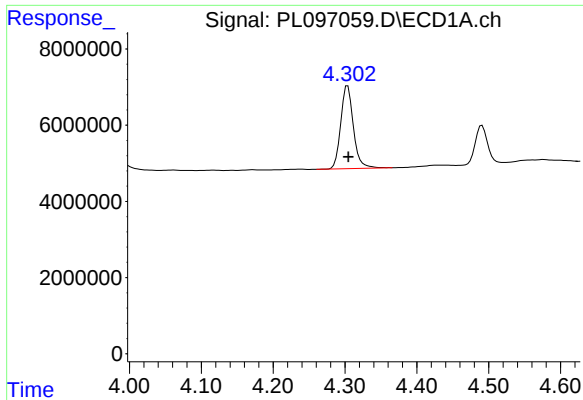
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.001 min
Response: 27162935
Conc: 4.69 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: 0.000 min
Response: 38844926
Conc: 4.73 ng/ml



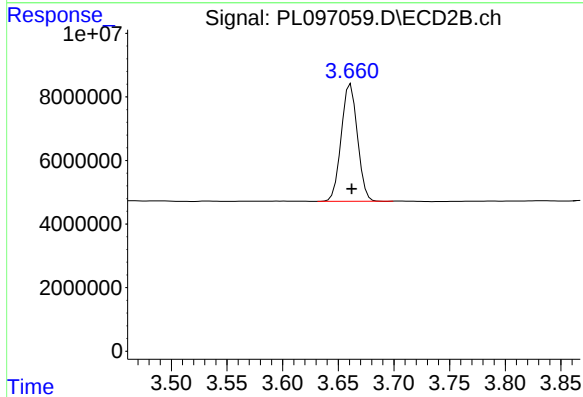
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: 0.000 min
Response: 26494217
Conc: 4.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

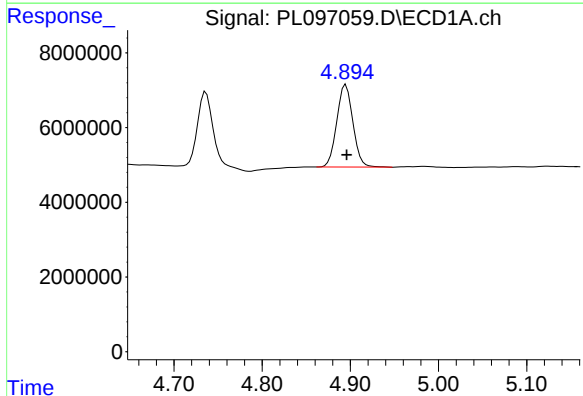
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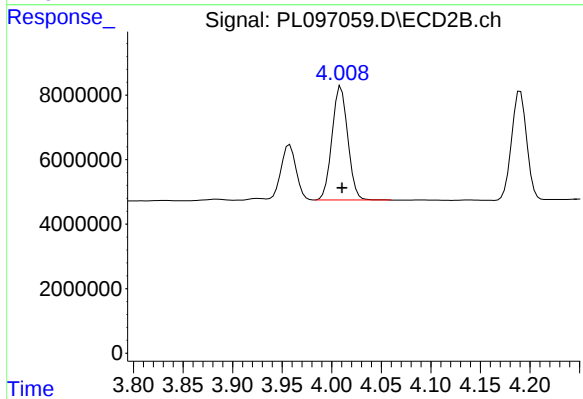
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 37331343
Conc: 5.07 ng/ml



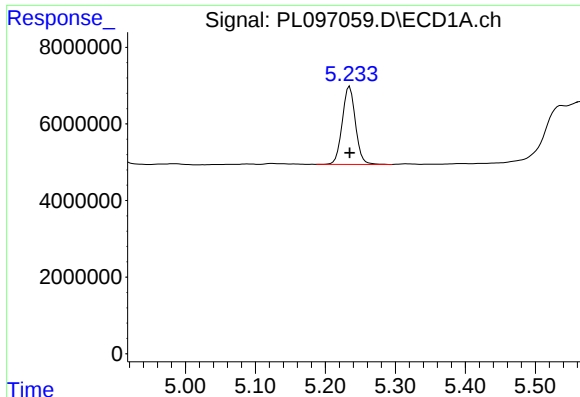
#4 Heptachlor

R.T.: 4.895 min
Delta R.T.: -0.001 min
Response: 28070394
Conc: 5.26 ng/ml



#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: -0.001 min
Response: 39010619
Conc: 5.18 ng/ml



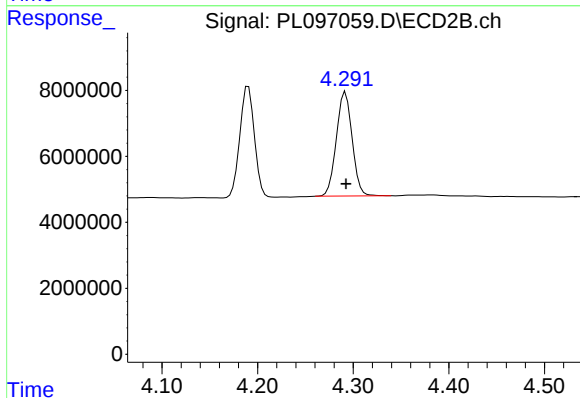
#5 Aldrin

R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 26649654
Conc: 5.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

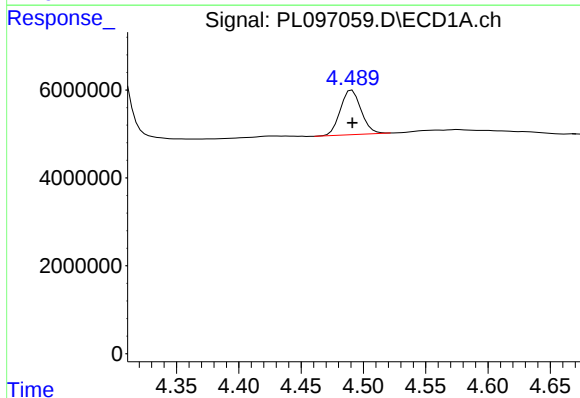
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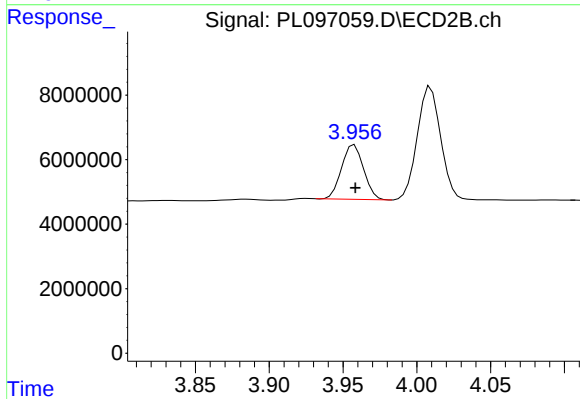
#5 Aldrin

R.T.: 4.292 min
Delta R.T.: 0.000 min
Response: 36290066
Conc: 5.16 ng/ml



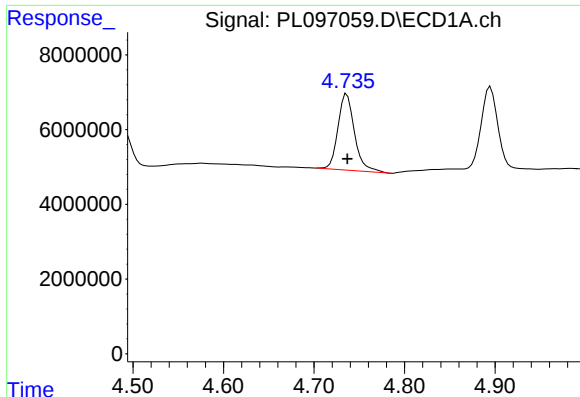
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: 0.000 min
Response: 11784992
Conc: 5.15 ng/ml



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: 0.000 min
Response: 17582683
Conc: 5.39 ng/ml



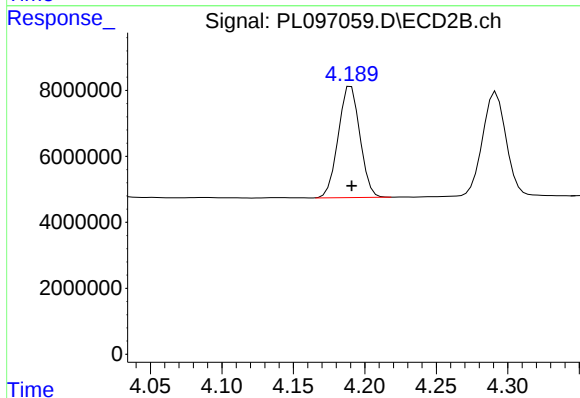
#7 delta-BHC

R.T.: 4.736 min
Delta R.T.: 0.000 min
Response: 25920594
Conc: 5.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

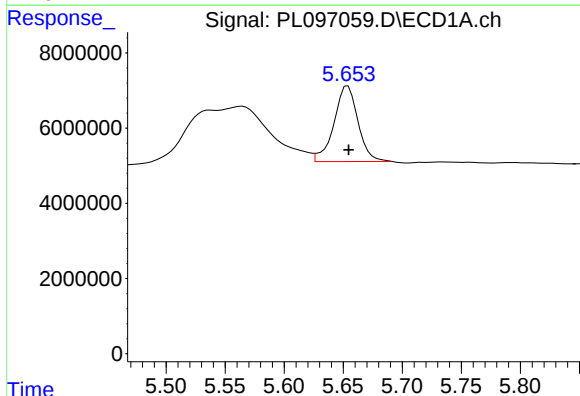
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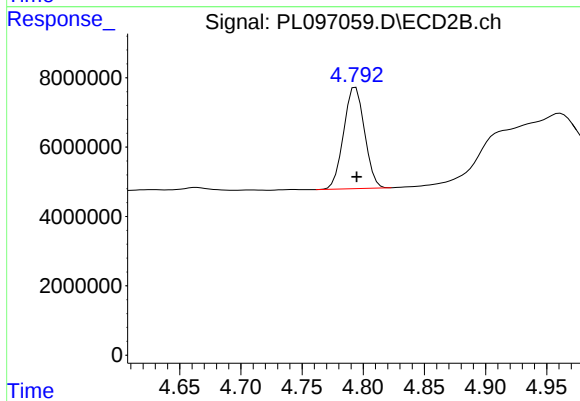
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 35617964
Conc: 4.85 ng/ml



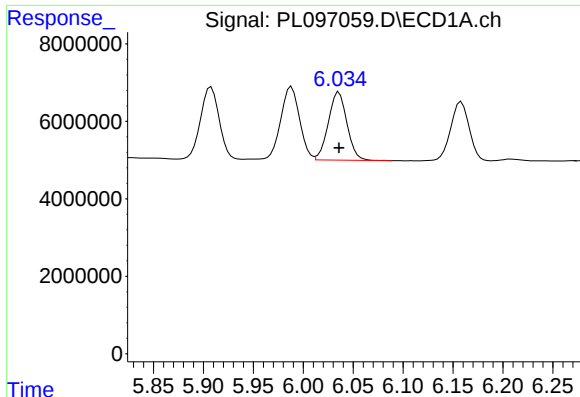
#8 Heptachlor epoxide

R.T.: 5.653 min
Delta R.T.: -0.002 min
Response: 28371025
Conc: 5.51 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: 0.000 min
Response: 34736487
Conc: 5.49 ng/ml



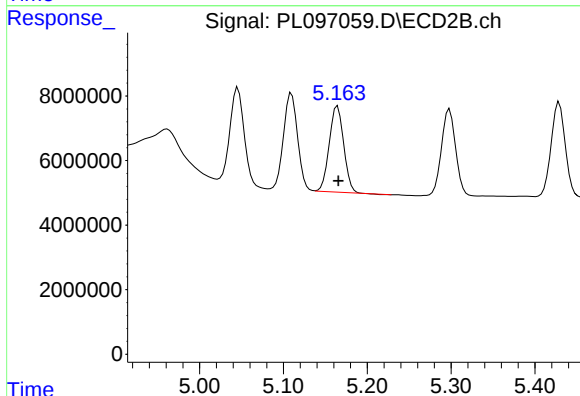
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 22797942
Conc: 5.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

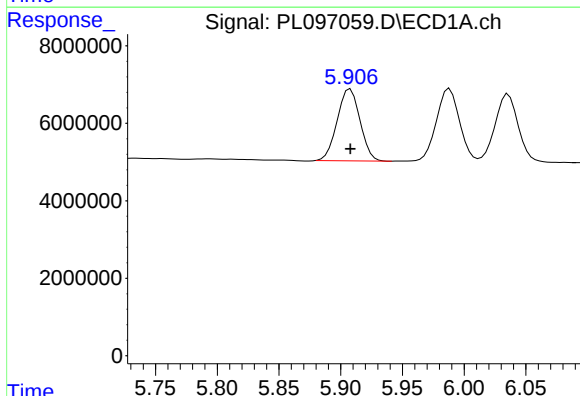
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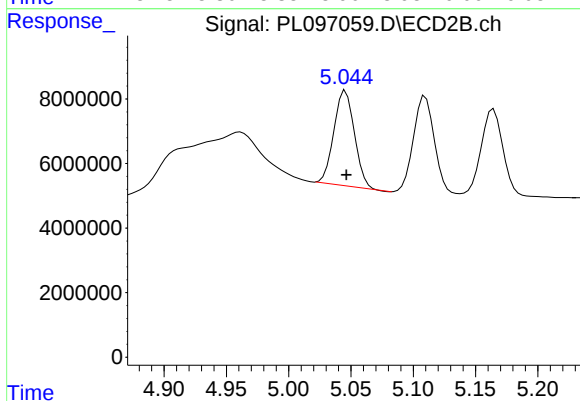
#9 Endosulfan I

R.T.: 5.164 min
Delta R.T.: -0.001 min
Response: 31918404
Conc: 5.33 ng/ml



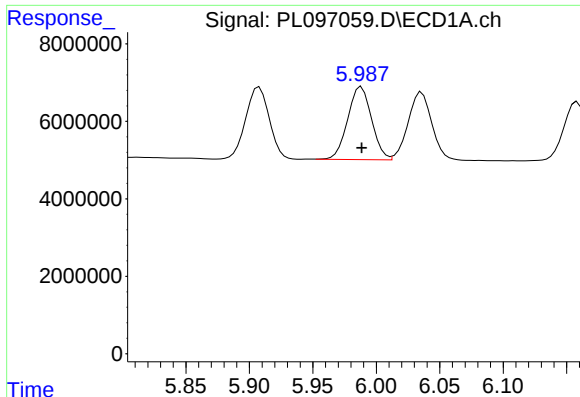
#10 gamma-Chlordane

R.T.: 5.908 min
Delta R.T.: 0.000 min
Response: 23895398
Conc: 5.19 ng/ml



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.000 min
Response: 33989351
Conc: 5.14 ng/ml



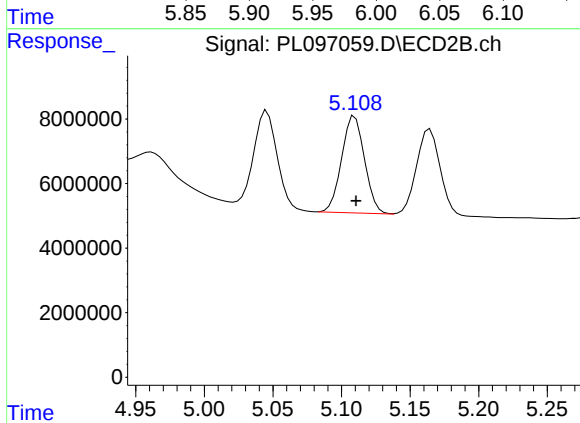
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: 0.000 min
Response: 24650062
Conc: 5.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

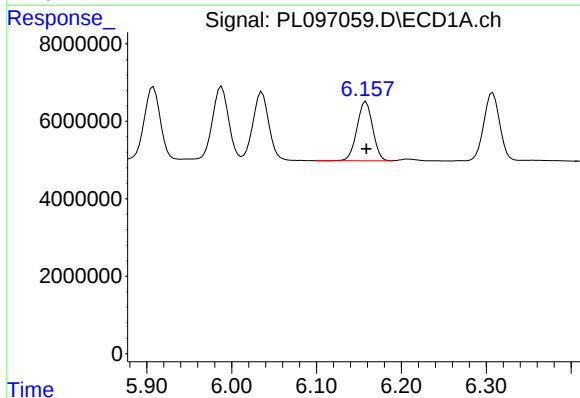
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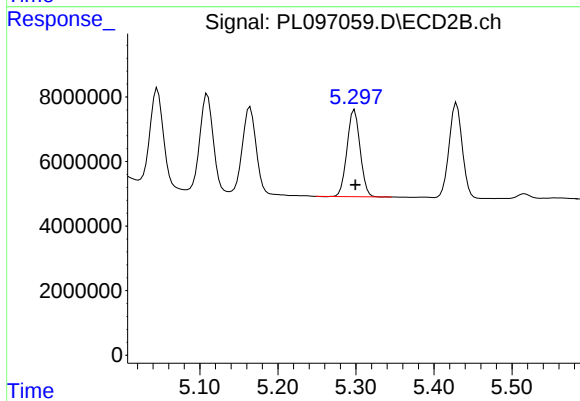
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: 0.000 min
Response: 34884446
Conc: 5.34 ng/ml



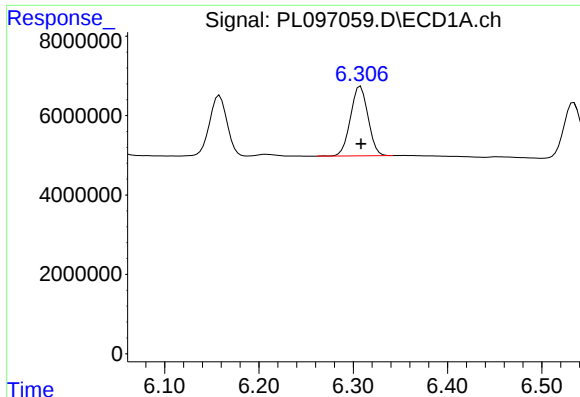
#12 4,4'-DDE

R.T.: 6.158 min
Delta R.T.: 0.000 min
Response: 19615917
Conc: 4.92 ng/ml



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.001 min
Response: 31382599
Conc: 5.10 ng/ml



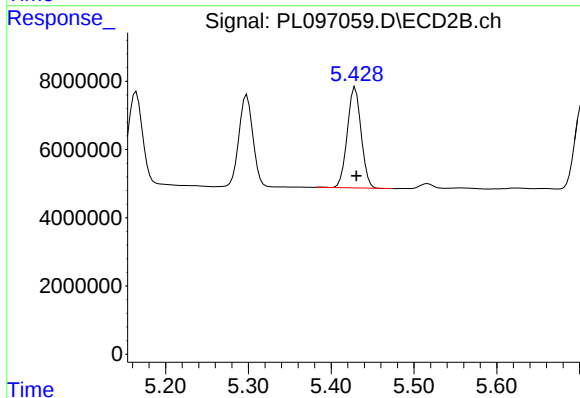
#13 Dieldrin

R.T.: 6.308 min
Delta R.T.: 0.000 min
Response: 22635155
Conc: 4.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

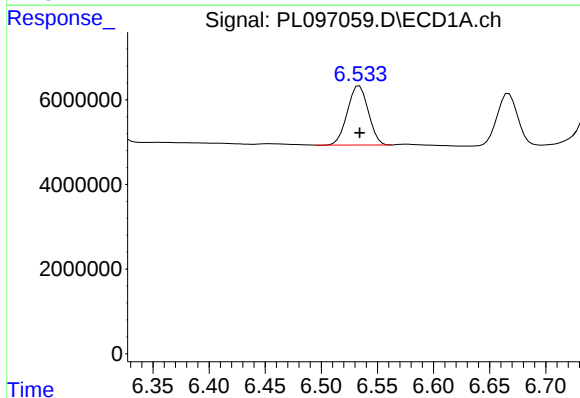
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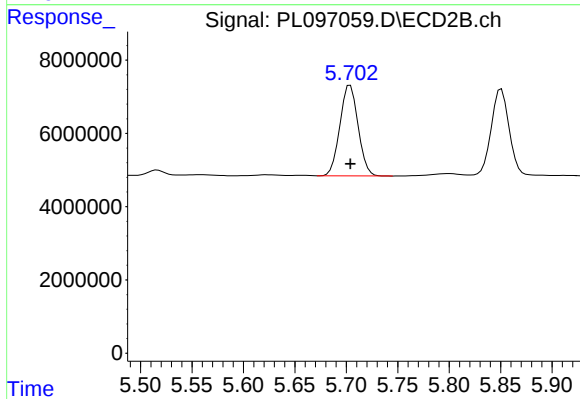
#13 Dieldrin

R.T.: 5.429 min
Delta R.T.: -0.001 min
Response: 34291438
Conc: 5.23 ng/ml



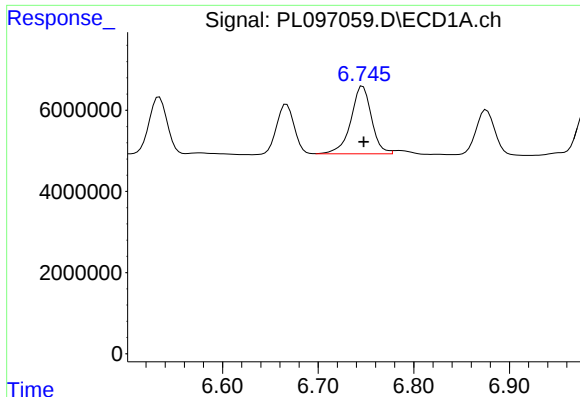
#14 Endrin

R.T.: 6.534 min
Delta R.T.: 0.000 min
Response: 18111138
Conc: 4.84 ng/ml



#14 Endrin

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 30475364
Conc: 5.16 ng/ml



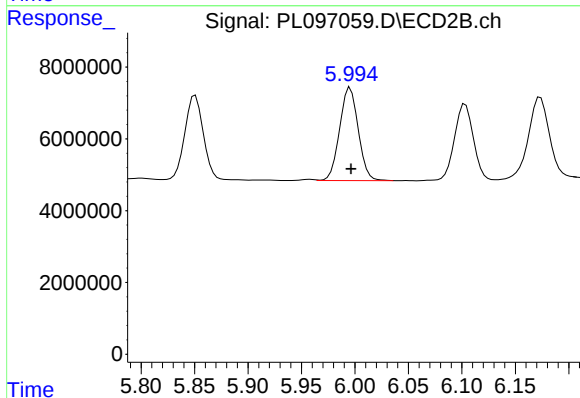
#15 Endosulfan II

R.T.: 6.745 min
Delta R.T.: -0.002 min
Response: 25280436
Conc: 5.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

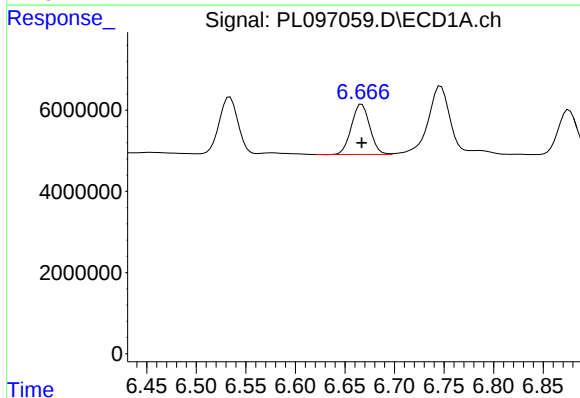
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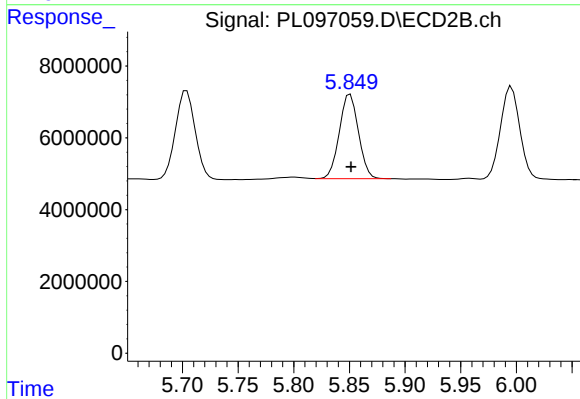
#15 Endosulfan II

R.T.: 5.994 min
Delta R.T.: -0.002 min
Response: 31518670
Conc: 5.51 ng/ml m



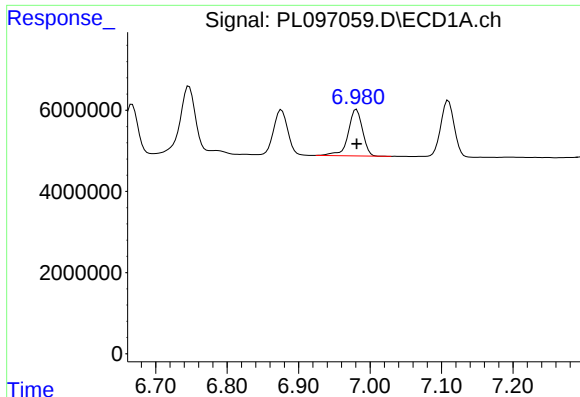
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: 0.000 min
Response: 16007655
Conc: 5.07 ng/ml



#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: -0.002 min
Response: 28136698
Conc: 5.39 ng/ml m



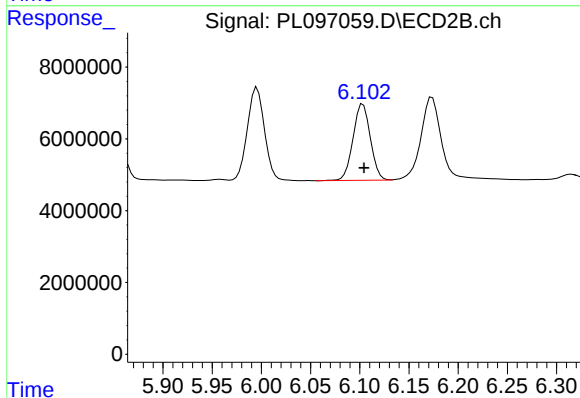
#17 4,4'-DDT

R.T.: 6.981 min
Delta R.T.: 0.000 min
Response: 16045637
Conc: 4.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

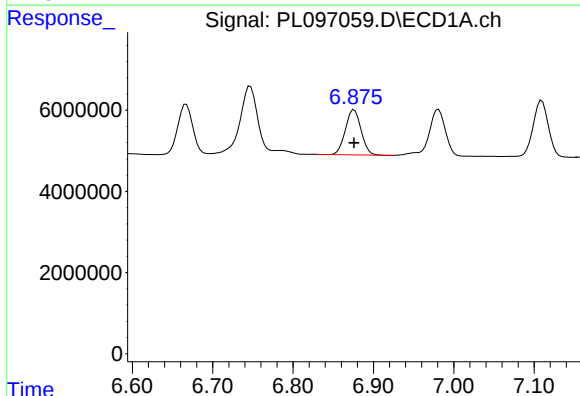
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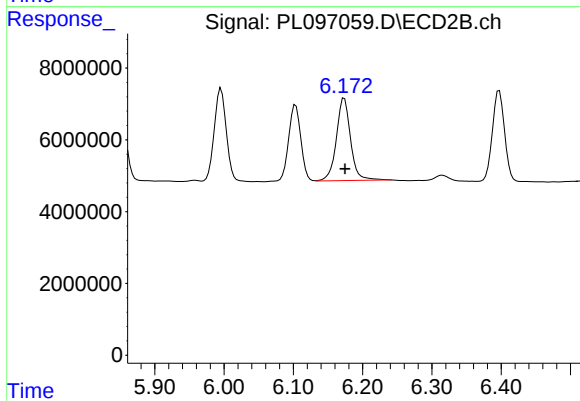
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: 0.000 min
Response: 25996528
Conc: 4.75 ng/ml



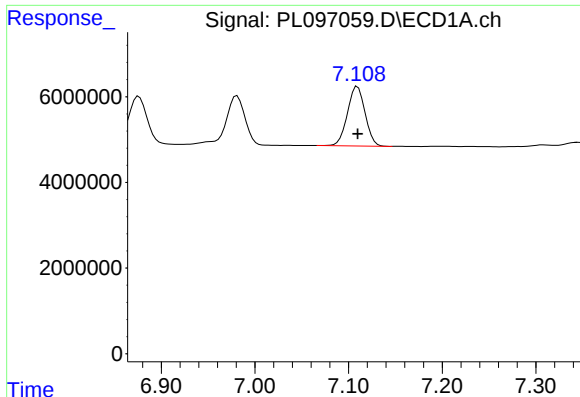
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 15091939
Conc: 5.80 ng/ml



#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 32545485
Conc: 6.77 ng/ml



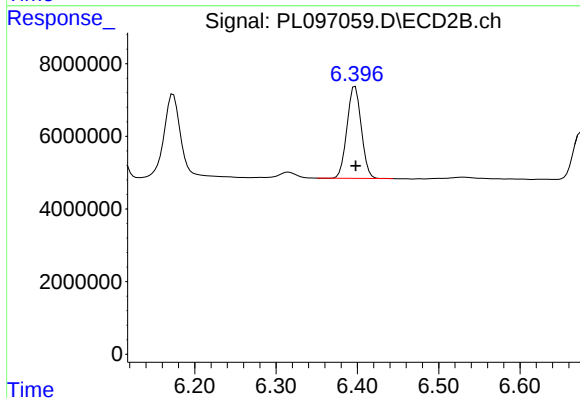
#19 Endosulfan Sulfate

R.T.: 7.110 min
Delta R.T.: 0.000 min
Response: 18200204
Conc: 5.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

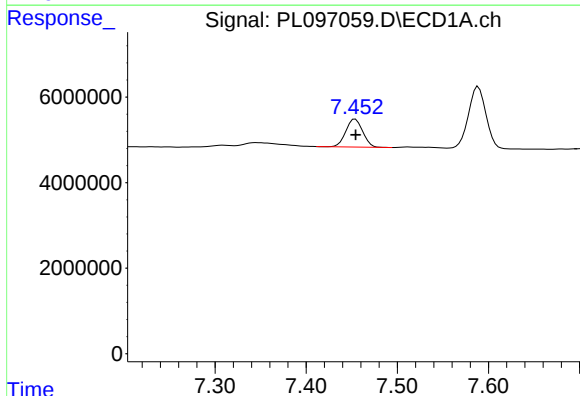
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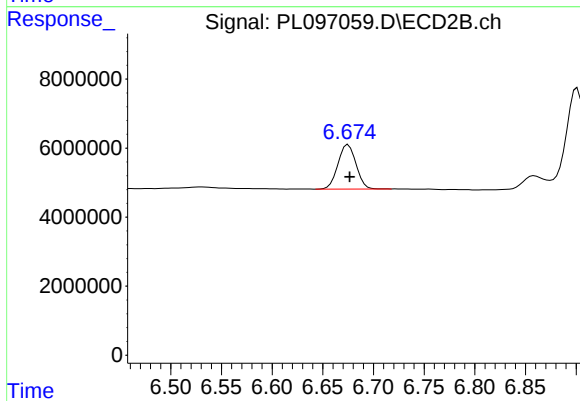
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: 0.000 min
Response: 30851807
Conc: 5.51 ng/ml



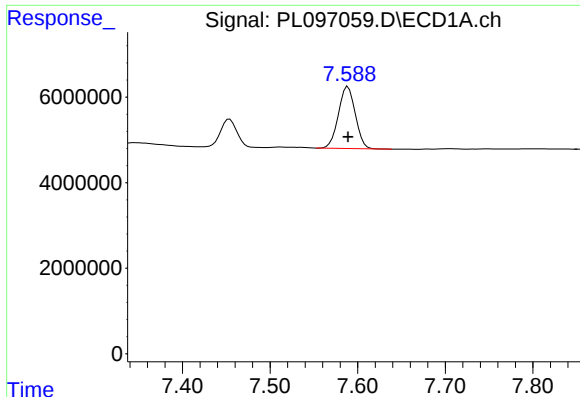
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 8463345
Conc: 4.88 ng/ml



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.001 min
Response: 15973740
Conc: 5.32 ng/ml



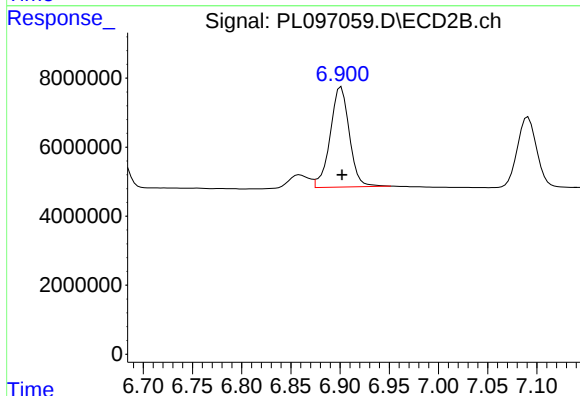
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: 0.000 min
Response: 19410595
Conc: 5.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

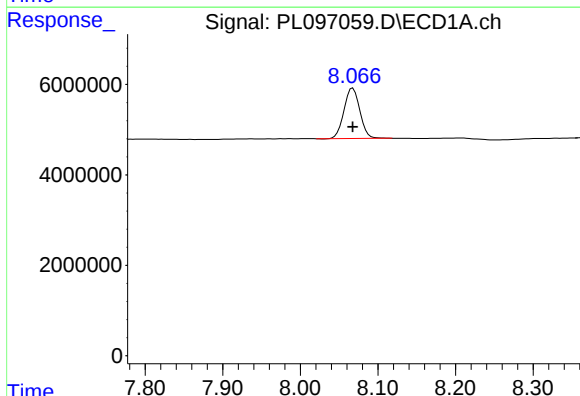
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



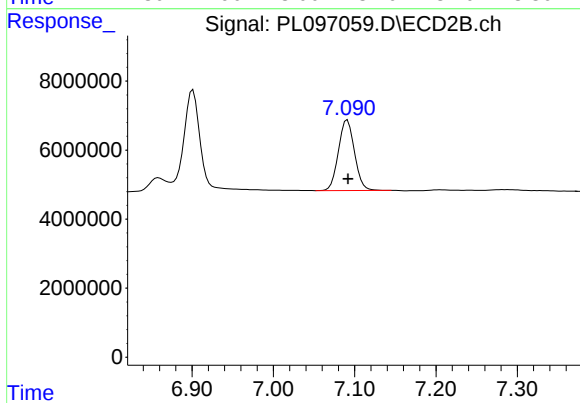
#21 Endrin ketone

R.T.: 6.901 min
Delta R.T.: 0.000 min
Response: 39356618
Conc: 6.29 ng/ml



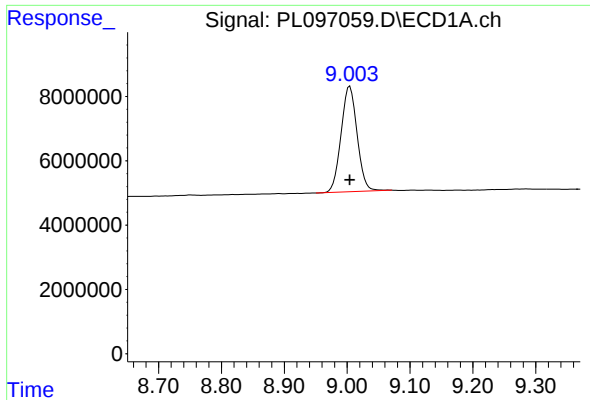
#22 Mirex

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 15820353
Conc: 5.29 ng/ml



#22 Mirex

R.T.: 7.091 min
Delta R.T.: 0.000 min
Response: 27984216
Conc: 5.76 ng/ml



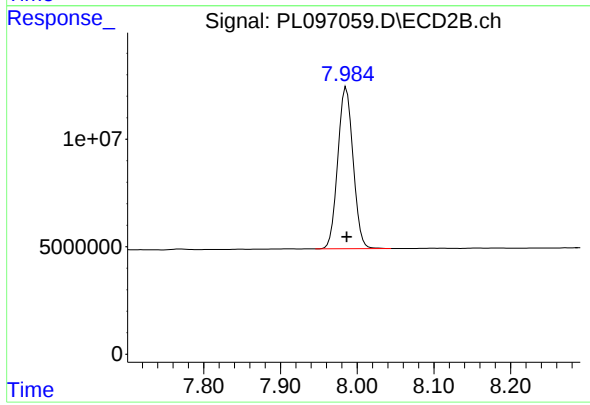
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: 0.000 min
Response: 58181871
Conc: 19.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-WATER-02-QT3-2025

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: 0.000 min
Response: 104192578
Conc: 21.73 ng/ml