

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
 Data File : PD089104.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jun 2025 13:37
 Operator : AR\AJ
 Sample : Q2126-08
 Misc : PEST LOQ 5PPB WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/25/2025
 Supervised By : mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 25 01:52:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	47638104	305.8E6	16.697	18.036
28)	SA Decachlor...	9.072	8.071	73605989	369.8E6	18.741	18.706
Target Compounds							
2)	A alpha-BHC	3.999	3.393	22260263	132.1E6	3.819	4.931 #
3)	MA gamma-BHC...	4.328	3.730	22400552	123.1E6	4.013m	4.973
4)	MA Heptachlor	4.929	4.083	23555642	124.3E6	4.321	4.966
5)	MB Aldrin	5.270	4.368	23244506	123.0E6	4.375	5.080
6)	B beta-BHC	4.515	4.026	10512565	57921728	4.763	5.390
7)	B delta-BHC	4.764	4.262	22633629	124.2E6	4.410	4.992
8)	B Heptachlo...	5.690	4.872	22523769	115.7E6	4.669	5.284
9)	A Endosulfan I	6.074	5.246	21167759	112.0E6	4.696	5.372
10)	B gamma-Chl...	5.945	5.124	22017976	122.7E6	4.598	5.129m
11)	B alpha-Chl...	6.026	5.190	22548596	122.1E6	4.660	5.334
12)	B 4,4'-DDE	6.195	5.375	18975655	118.5E6	4.351	5.170
13)	MA Dieldrin	6.346	5.512	21712794	119.3E6	4.526	5.142
14)	MA Endrin	6.573	5.789	17505288	110.3E6	4.243	5.082
15)	B Endosulfa...	6.785	6.080	19799754	107.9E6	4.905	5.344
16)	A 4,4'-DDD	6.704	5.929	15304475	100.6E6	4.459	5.256
17)	MA 4,4'-DDT	7.019	6.183	16216696	93854310	4.281	4.628
18)	B Endrin al...	6.914	6.258	15469189	83944419	5.049	5.483
19)	B Endosulfa...	7.148	6.482	18570821	103.8E6	4.840	5.292
20)	A Methoxychlor	7.492	6.753	9101766	53127280	4.504	4.934
21)	B Endrin ke...	7.629	6.990	19586785	116.8E6	4.809	5.405
22)	Mirex	8.113	7.184	15796283	87330785	5.196	5.236

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
Data File : PD089104.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2025 13:37
Operator : AR\AJ
Sample : Q2126-08
Misc : PEST LOQ 5PPB WATER
ALS Vial : 11 Sample Multiplier: 1

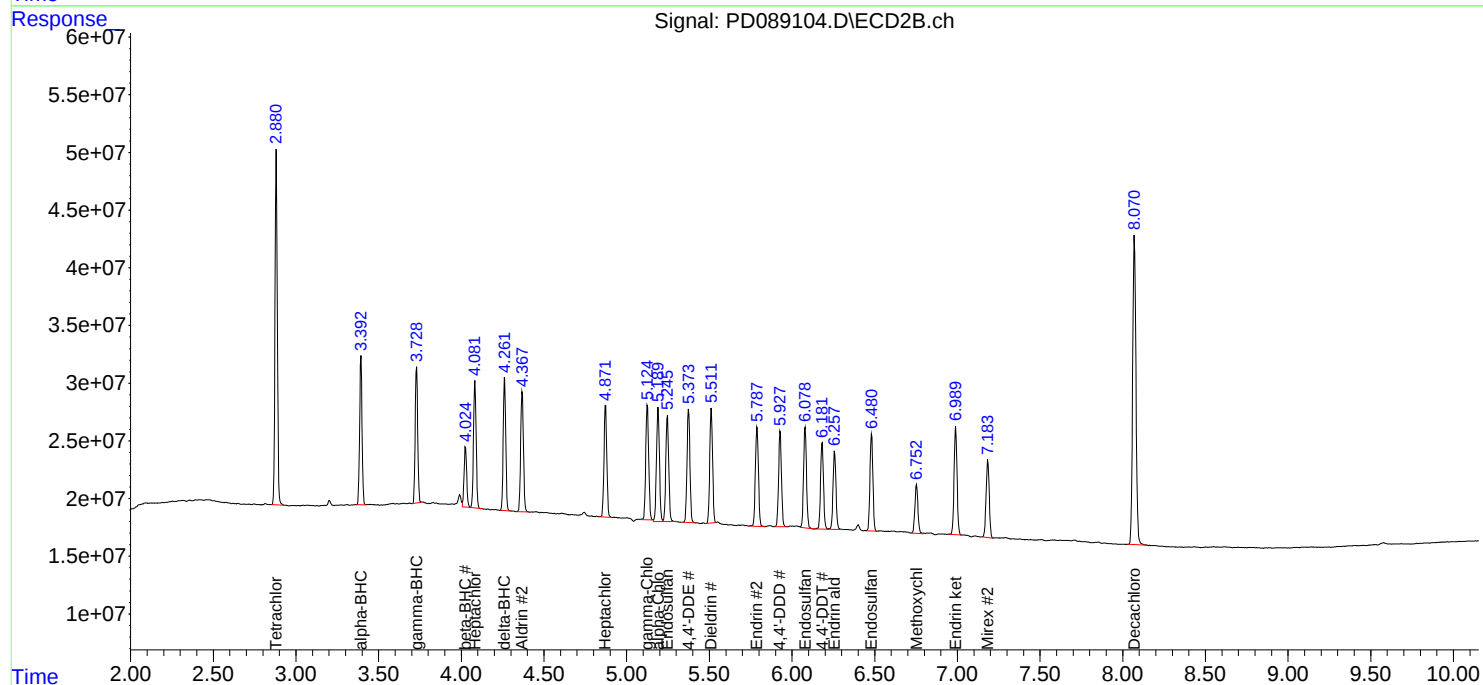
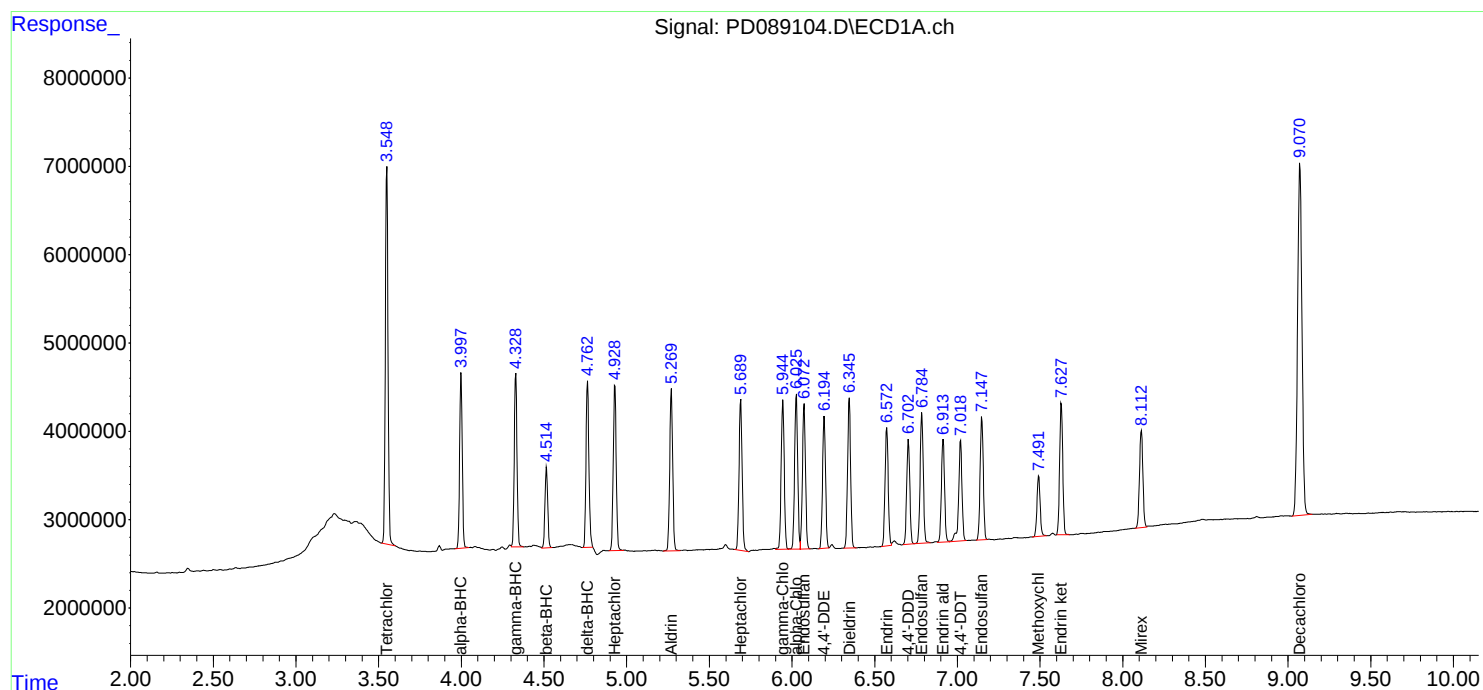
Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

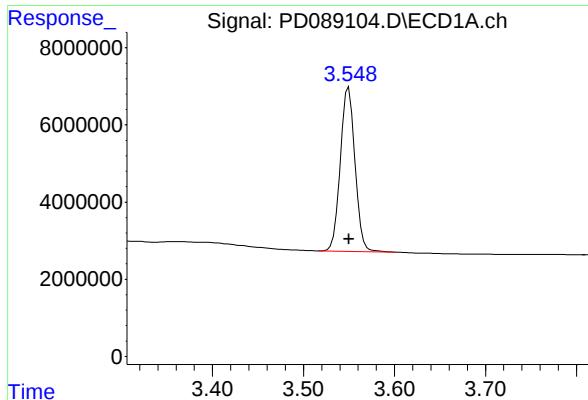
Manual Integrations
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Supervised By :mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 01:52:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





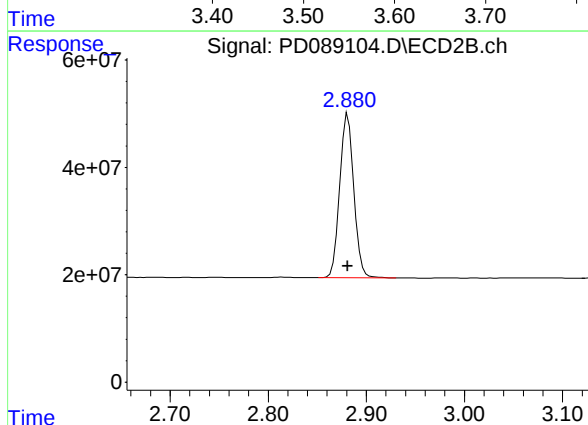
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 47638104
Conc: 16.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

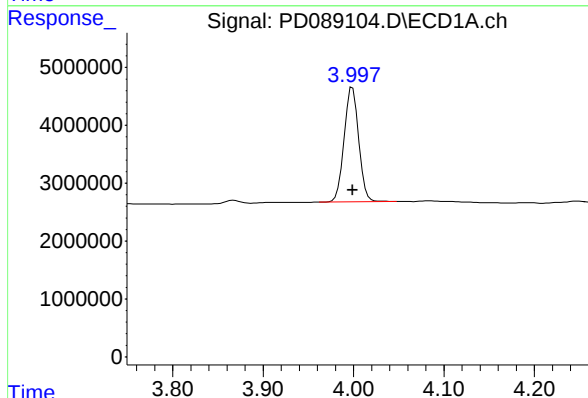
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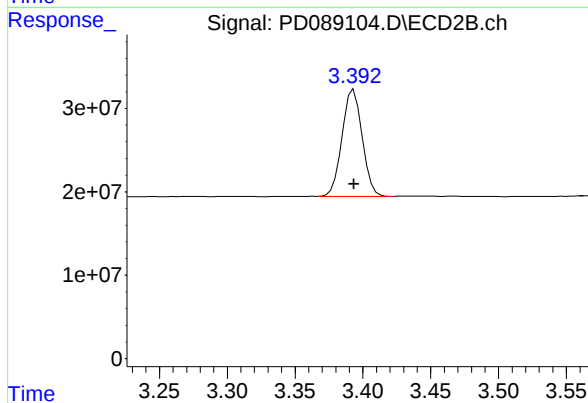
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 305770571
Conc: 18.04 ng/ml



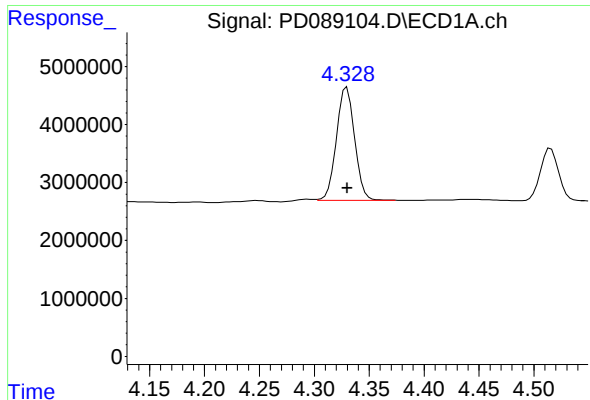
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 22260263
Conc: 3.82 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 132138827
Conc: 4.93 ng/ml



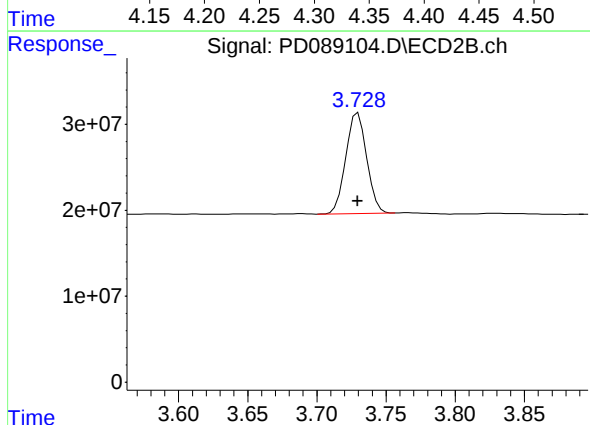
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.002 min
Response: 22400552
Conc: 4.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

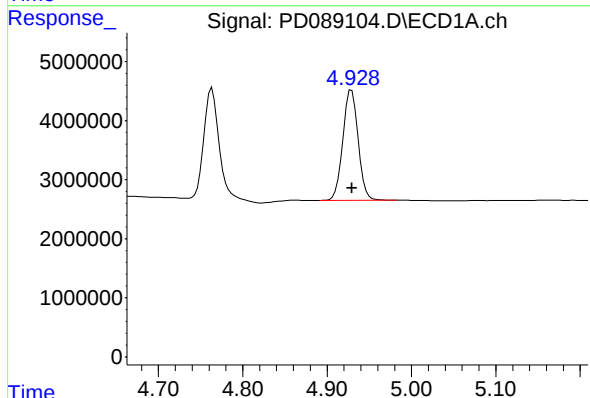
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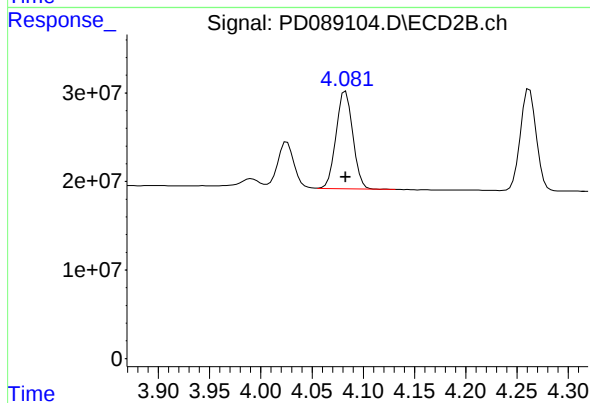
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 123122219
Conc: 4.97 ng/ml



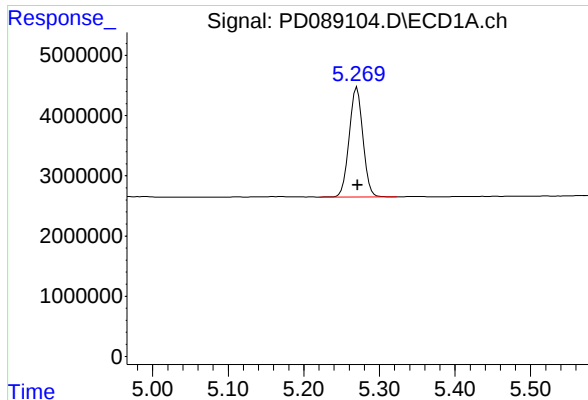
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 23555642
Conc: 4.32 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 124333545
Conc: 4.97 ng/ml



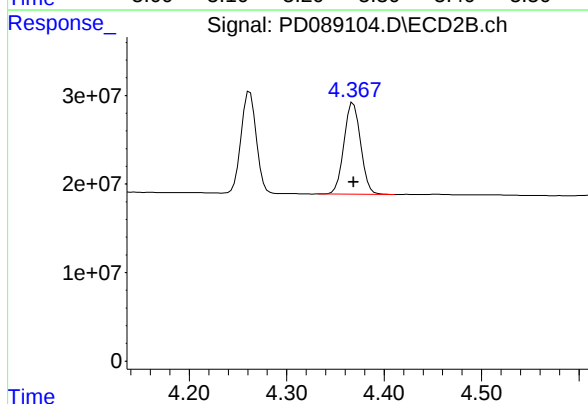
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 23244506
Conc: 4.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

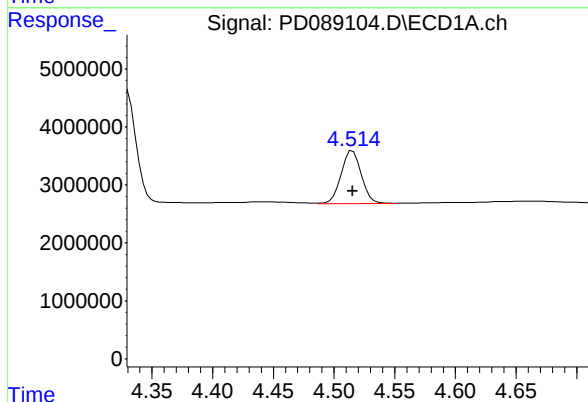
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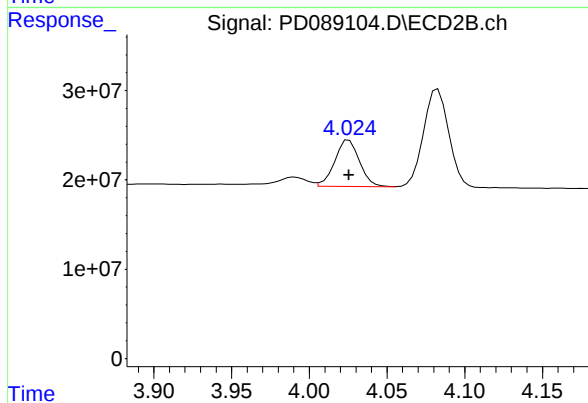
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 123016588
Conc: 5.08 ng/ml



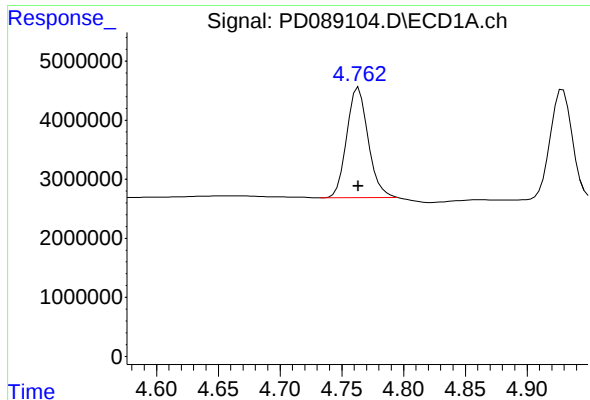
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 10512565
Conc: 4.76 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 57921728
Conc: 5.39 ng/ml



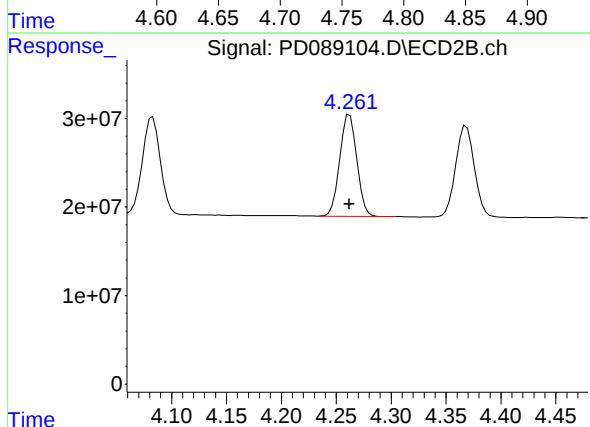
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 22633629
Conc: 4.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

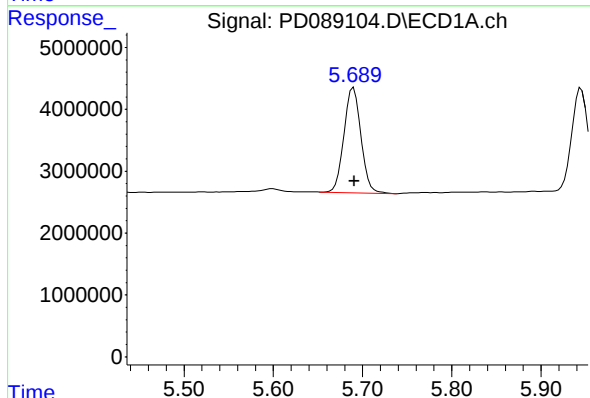
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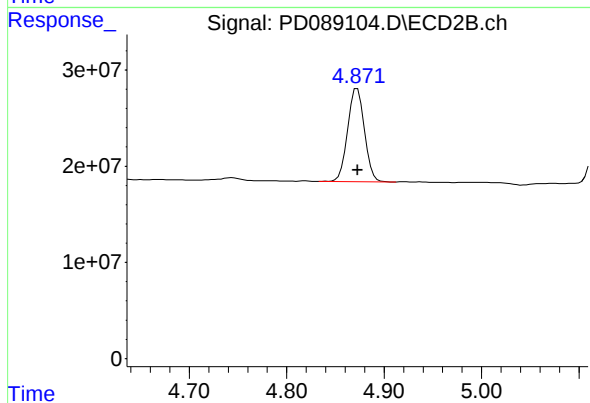
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 124176233
Conc: 4.99 ng/ml



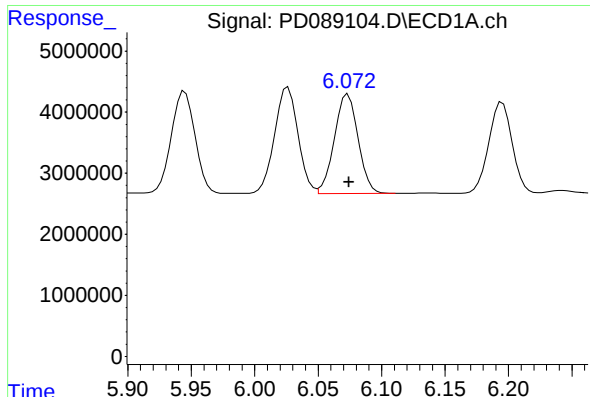
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 22523769
Conc: 4.67 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 115713049
Conc: 5.28 ng/ml



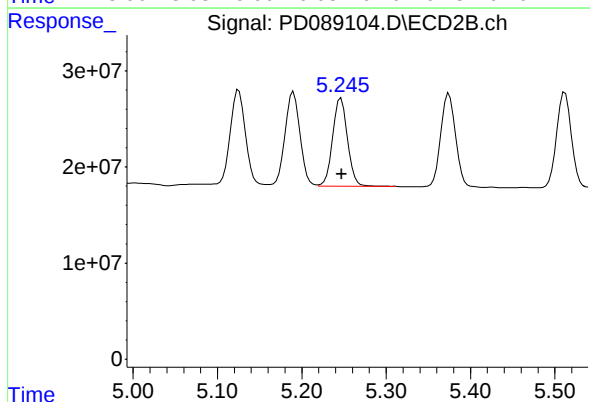
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 21167759
Conc: 4.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

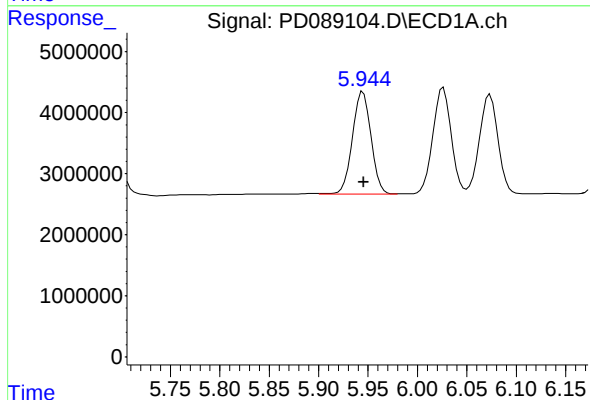
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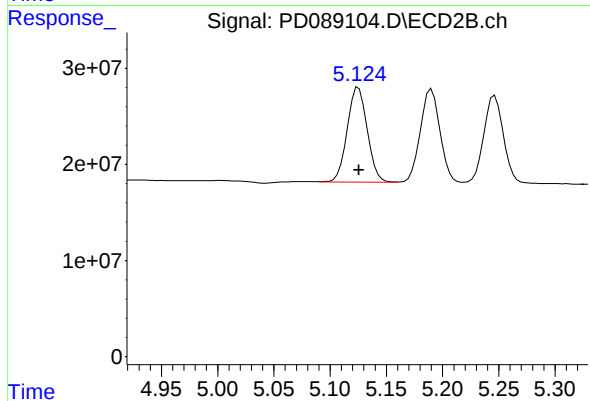
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 111969983
Conc: 5.37 ng/ml



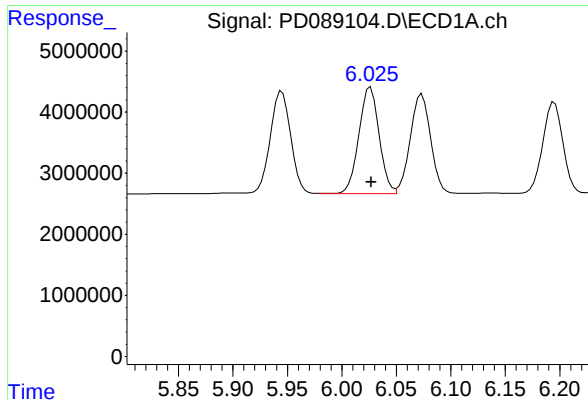
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 22017976
Conc: 4.60 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 122690535
Conc: 5.13 ng/ml m



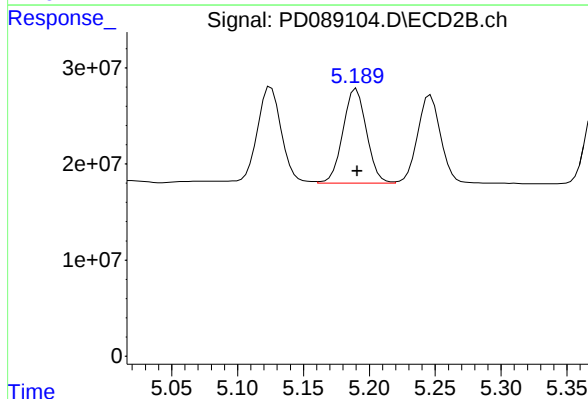
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 22548596
Conc: 4.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

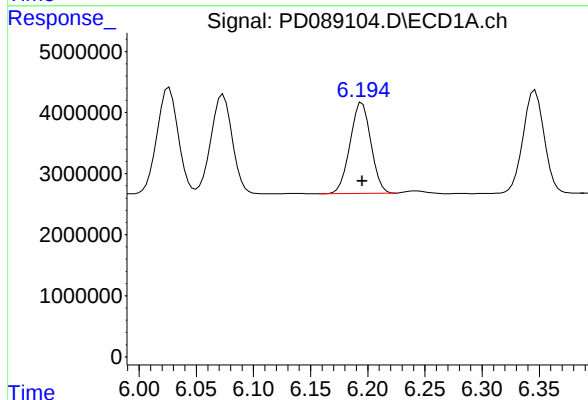
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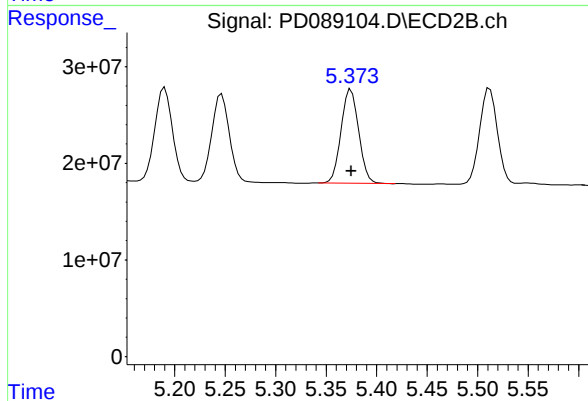
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 122135823
Conc: 5.33 ng/ml



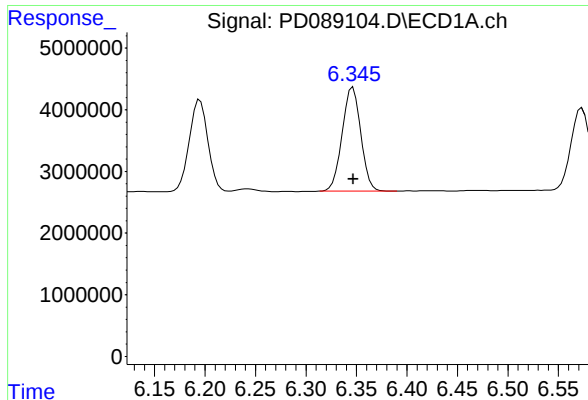
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 18975655
Conc: 4.35 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 118483506
Conc: 5.17 ng/ml



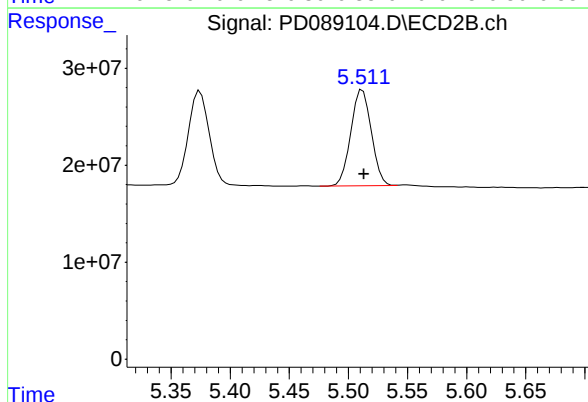
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 21712794
Conc: 4.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

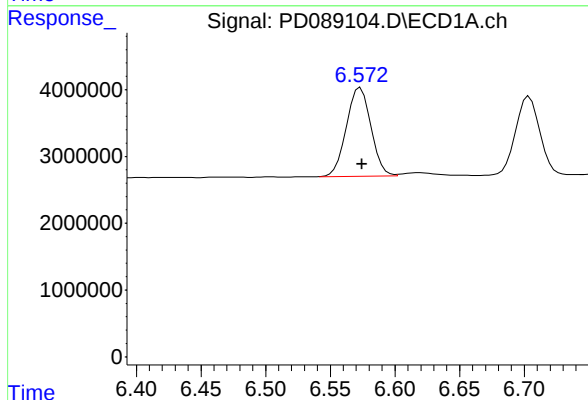
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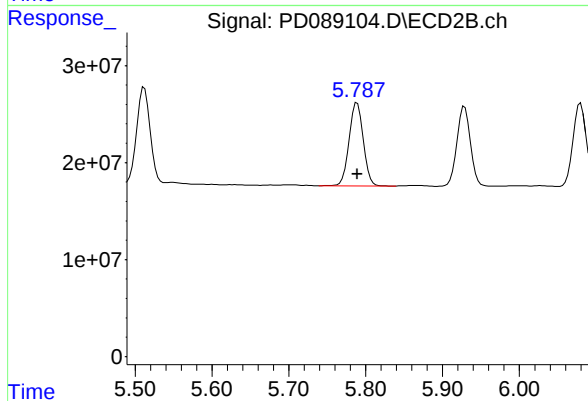
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.001 min
Response: 119344898
Conc: 5.14 ng/ml



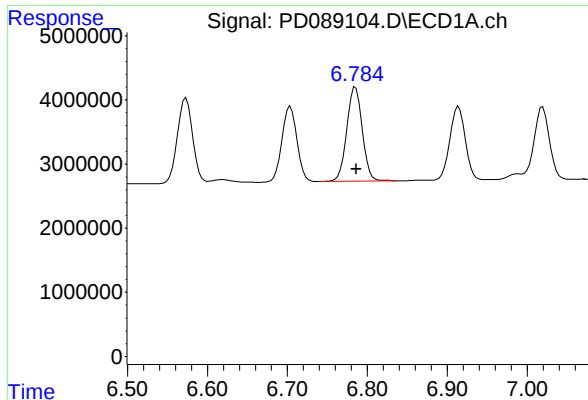
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 17505288
Conc: 4.24 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 110340605
Conc: 5.08 ng/ml



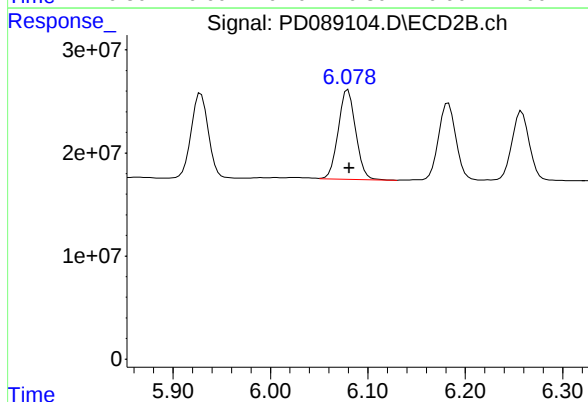
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 19799754
Conc: 4.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

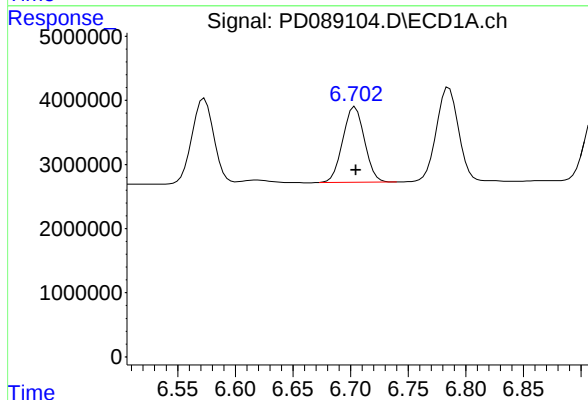
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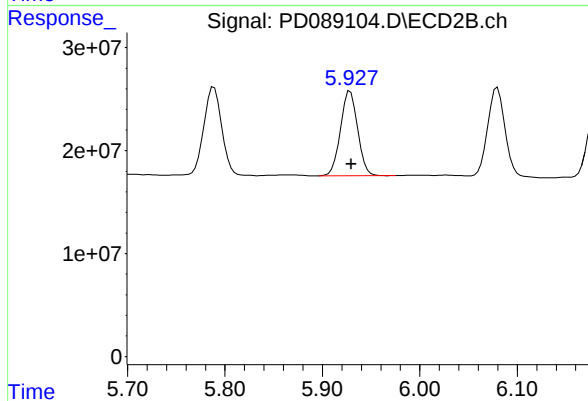
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.001 min
Response: 107935004
Conc: 5.34 ng/ml



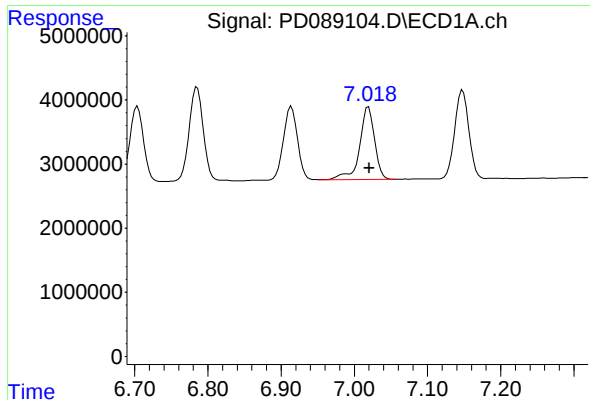
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 15304475
Conc: 4.46 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.001 min
Response: 100551063
Conc: 5.26 ng/ml



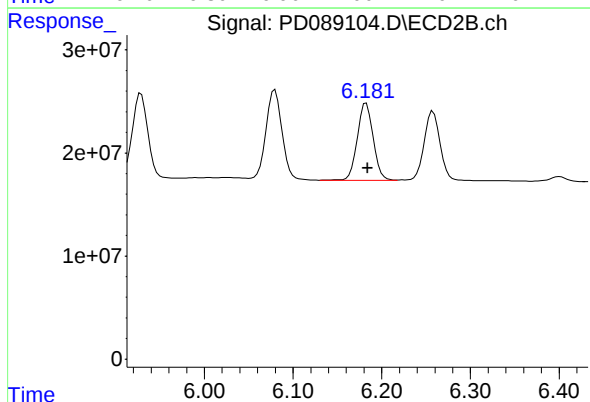
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 16216696
Conc: 4.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

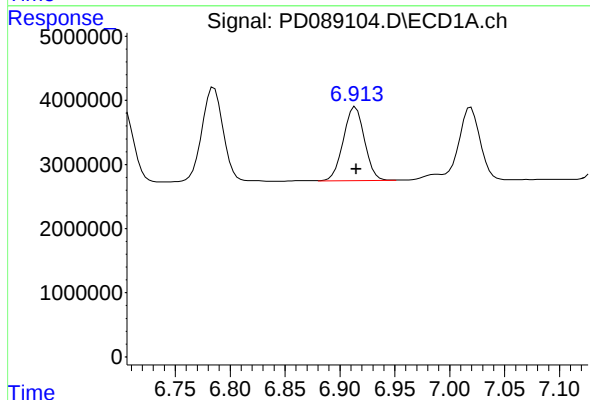
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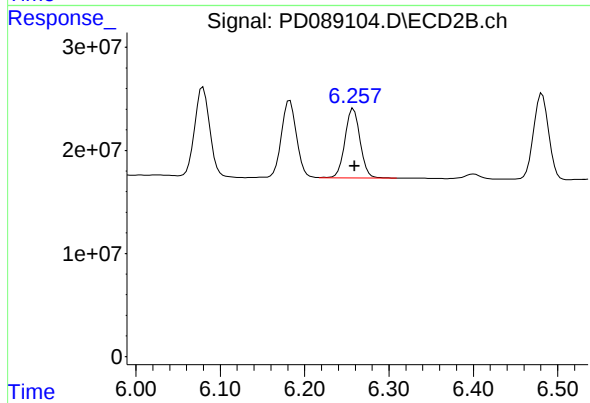
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.002 min
Response: 93854310
Conc: 4.63 ng/ml



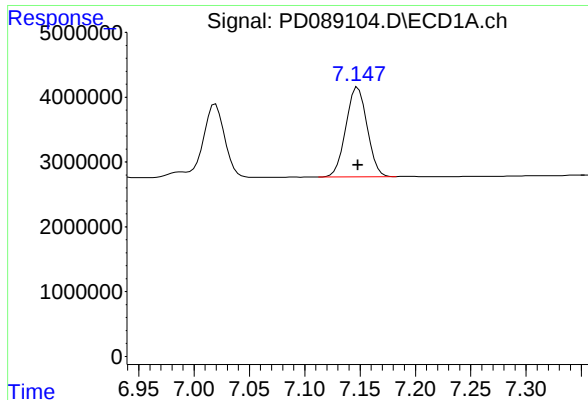
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 15469189
Conc: 5.05 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 83944419
Conc: 5.48 ng/ml



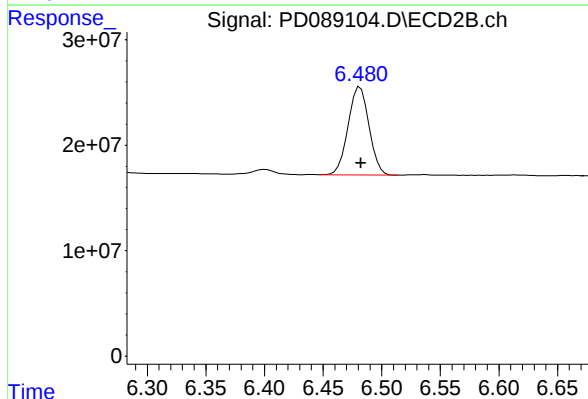
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 18570821
Conc: 4.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

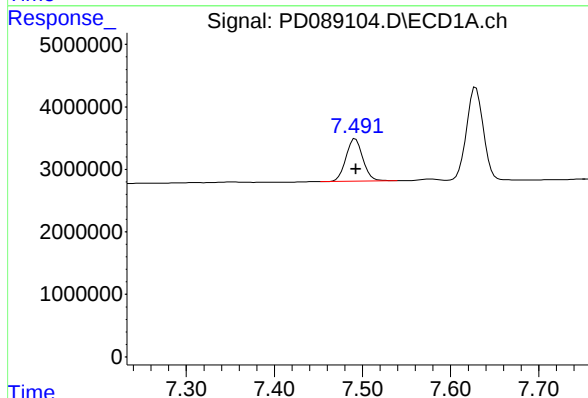
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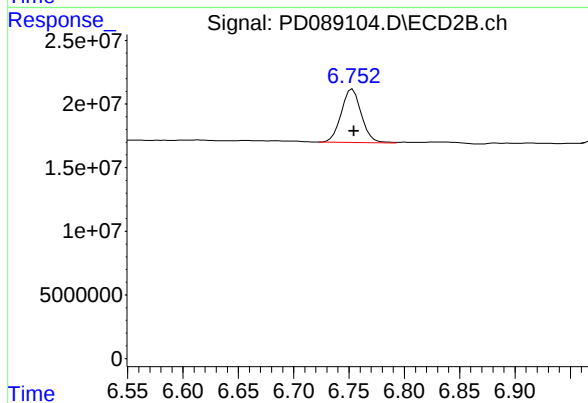
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 103829907
Conc: 5.29 ng/ml



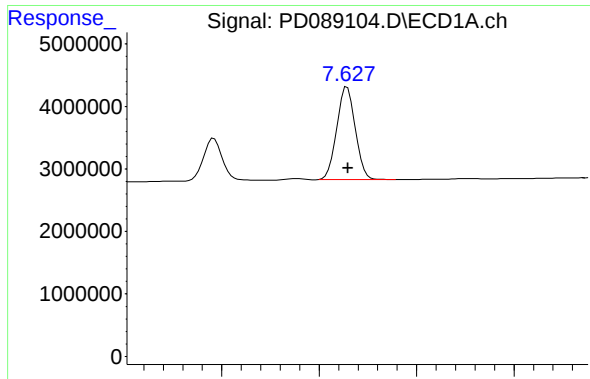
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 9101766
Conc: 4.50 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 53127280
Conc: 4.93 ng/ml



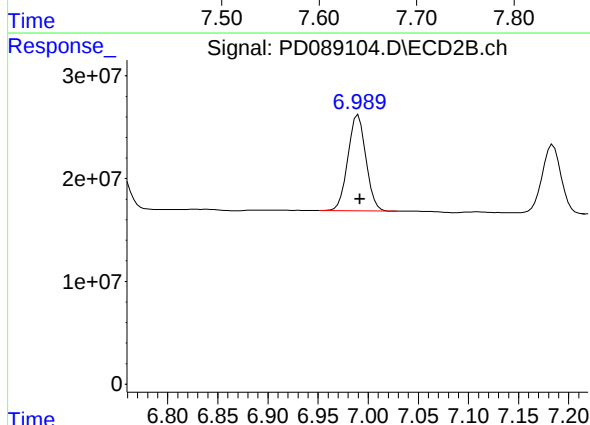
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 19586785
Conc: 4.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

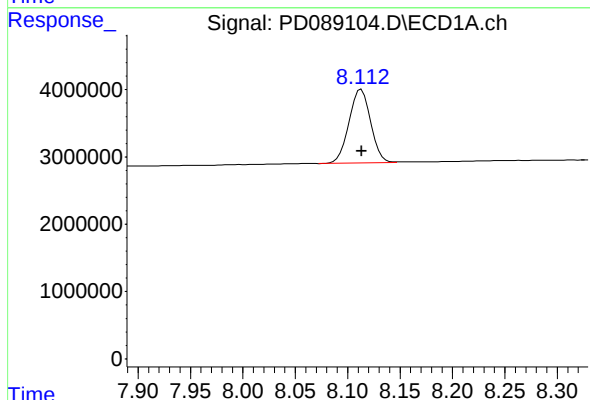
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



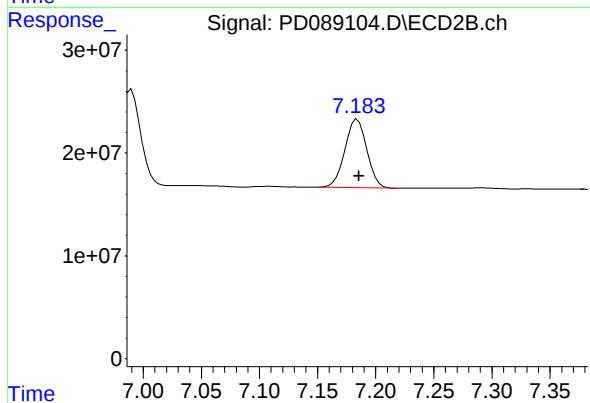
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 116760875
Conc: 5.41 ng/ml



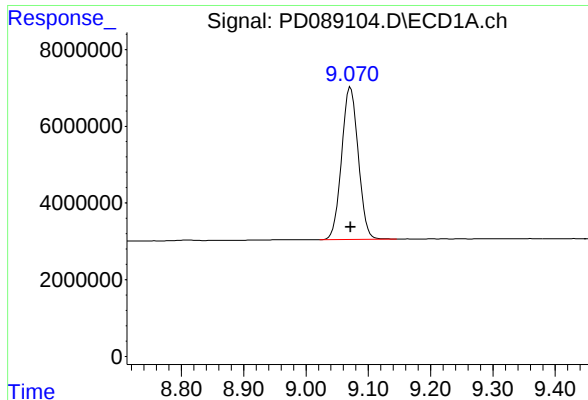
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 15796283
Conc: 5.20 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.001 min
Response: 87330785
Conc: 5.24 ng/ml



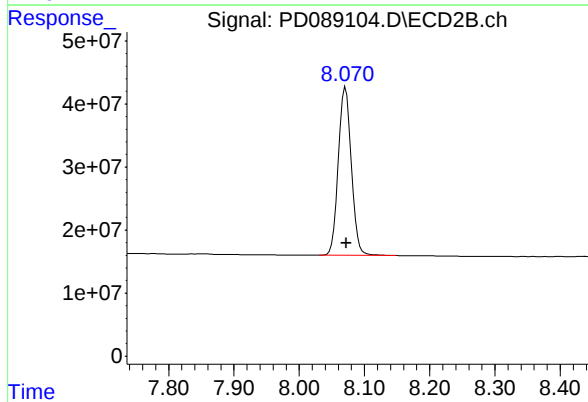
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 73605989
Conc: 18.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT2-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.001 min
Response: 369818098
Conc: 18.71 ng/ml