

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020625\
 Data File : PD087769.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Feb 2025 16:55
 Operator : AR\AJ
 Sample : Q1168-08
 Misc : PEST LOQ 5PPB
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 02/07/2025
 Supervised By :Ankita Jodhani 02/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 07 04:28:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD012325.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 22 14:33:08 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 x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.555	2.902	40858903	283.6E6	20.508	23.582
28)	SA Decachlor...	9.087	8.103f	65958135	322.9E6	21.626	22.848
Target Compounds							
2)	A alpha-BHC	4.005	3.416f	18212554	113.5E6	4.526	6.074 #
3)	MA gamma-BHC...	4.335	3.753f	21804183	110.0E6	5.479m	6.197
4)	MA Heptachlor	4.937	4.108f	18603483	108.2E6	4.990	6.243 #
5)	MB Aldrin	5.279	4.393f	18987791	112.1E6	4.961	6.417 #
6)	B beta-BHC	4.521	4.047f	8343353	49125152	5.285	6.441m
7)	B delta-BHC	4.770	4.286f	19988083	113.7E6	4.955	6.285 #
8)	B Heptachlo...	5.698	4.898f	17842316	103.8E6	5.221	6.574 #
9)	A Endosulfan I	6.082	5.273f	16524249	96766545	5.246	6.493
10)	B gamma-Chl...	5.954	5.152f	16822343	106.6E6	5.090	6.557 #
11)	B alpha-Chl...	6.035	5.217f	17301989	103.7E6	5.194	6.502 #
12)	B 4,4'-DDE	6.204	5.402f	14779916	98598403	4.898	6.267 #
13)	MA Dieldrin	6.355	5.539f	17009305	103.3E6	5.037	6.340 #
14)	MA Endrin	6.583	5.816f	13342498	89795793	4.604	6.029 #
15)	B Endosulfa...	6.794	6.107f	14545947	91990400	5.066	6.444 #
16)	A 4,4'-DDD	6.713	5.955f	12408368	89529686	5.156	6.771m#
17)	MA 4,4'-DDT	7.028	6.212f	10529232	64509167	4.088m	4.792
18)	B Endrin al...	6.923	6.286f	12676561	77552268	5.472	6.653
19)	B Endosulfa...	7.157	6.510f	14205428	90245037	5.181	6.347
20)	A Methoxychlor	7.503	6.783f	6804721	41121611	4.636	5.381
21)	B Endrin ke...	7.639	7.019f	16388546	99606295	5.330	6.383
22)	Mirex	8.124	7.214f	12690015	80264406	5.474	6.339

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020625\
Data File : PD087769.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Feb 2025 16:55
Operator : AR\AJ
Sample : Q1168-08
Misc : PEST LOQ 5PPB
ALS Vial : 18 Sample Multiplier: 1

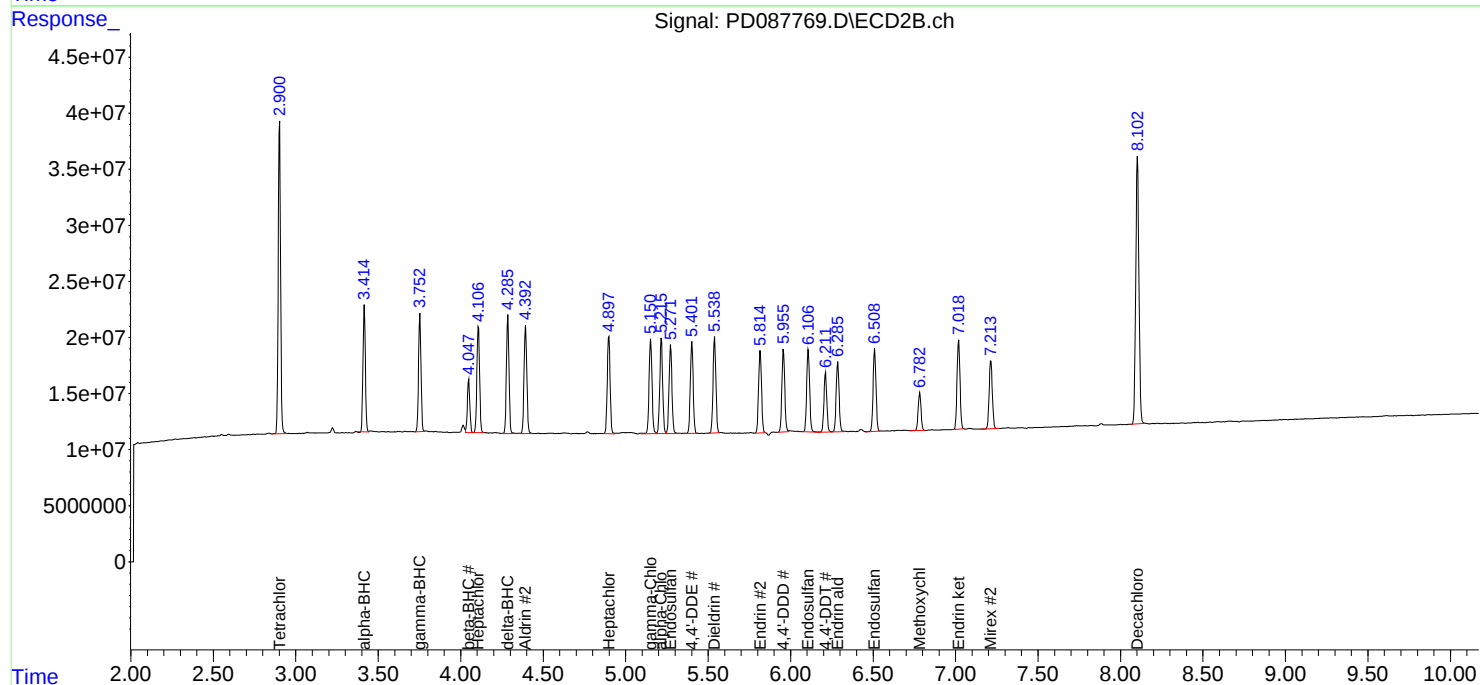
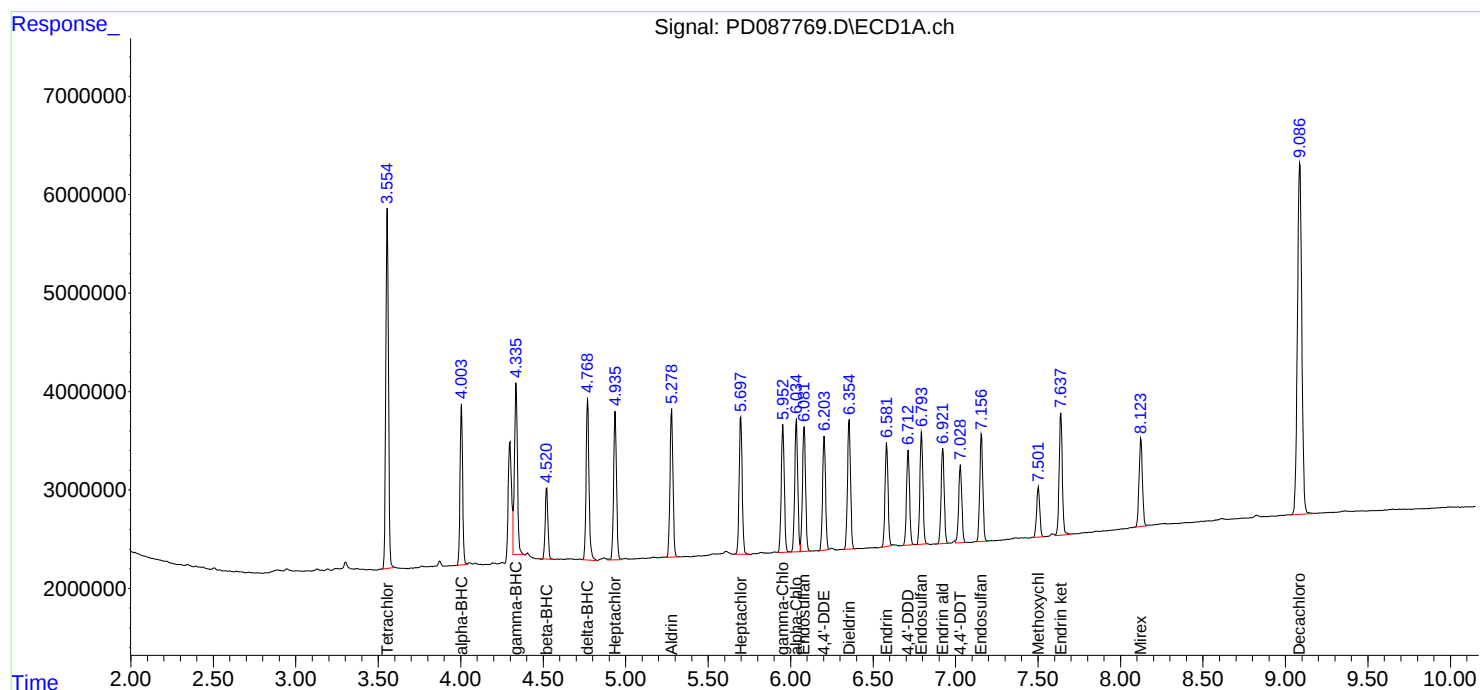
Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

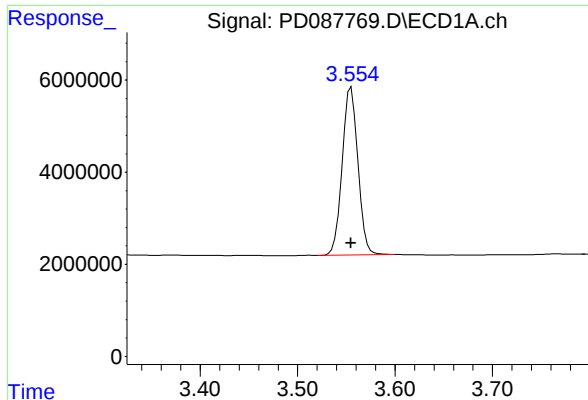
Manual Integrations
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Supervised By :Ankita Jodhani 02/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 07 04:28:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD012325.M
Quant Title : GC Extractables
QLast Update : Wed Jan 22 14:33:08 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 x 0.25µm





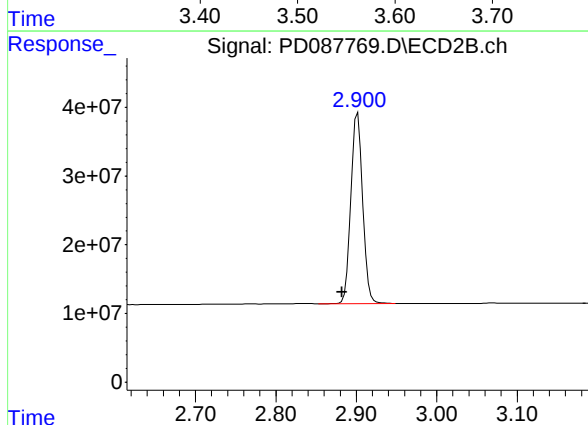
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.000 min
Response: 40858903
Conc: 20.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

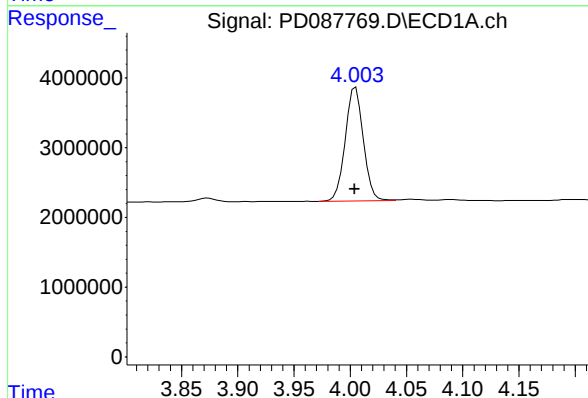
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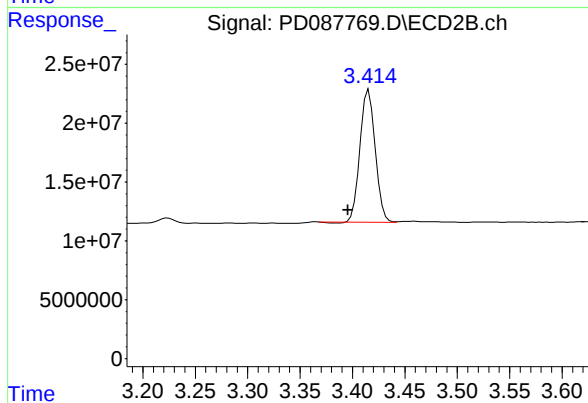
#1 Tetrachloro-m-xylene

R.T.: 2.902 min
Delta R.T.: 0.019 min
Response: 283617519
Conc: 23.58 ng/ml



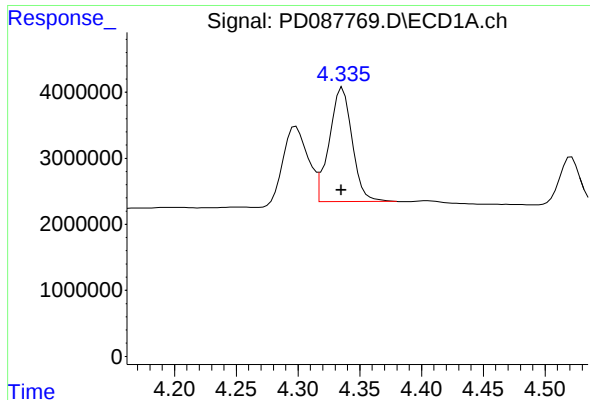
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.000 min
Response: 18212554
Conc: 4.53 ng/ml



#2 alpha-BHC

R.T.: 3.416 min
Delta R.T.: 0.020 min
Response: 113527686
Conc: 6.07 ng/ml



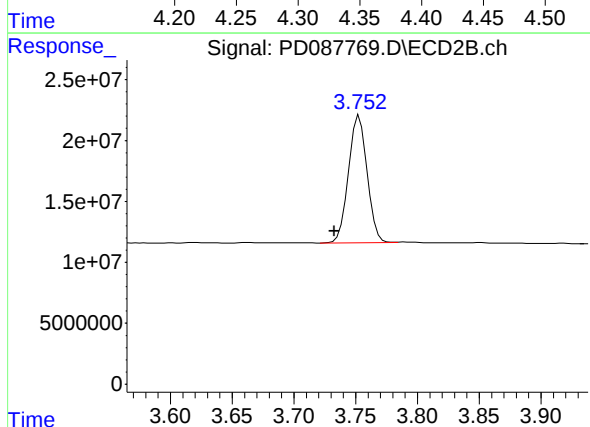
#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.000 min
Response: 21804183
Conc: 5.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

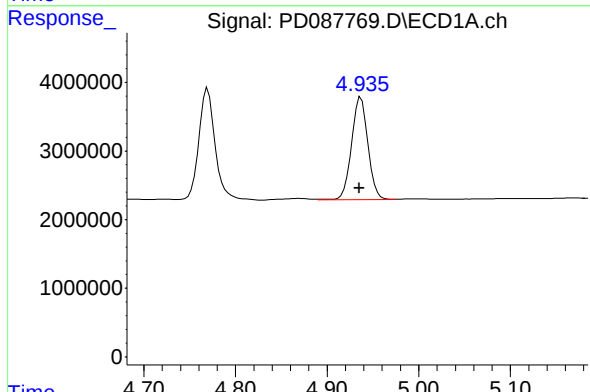
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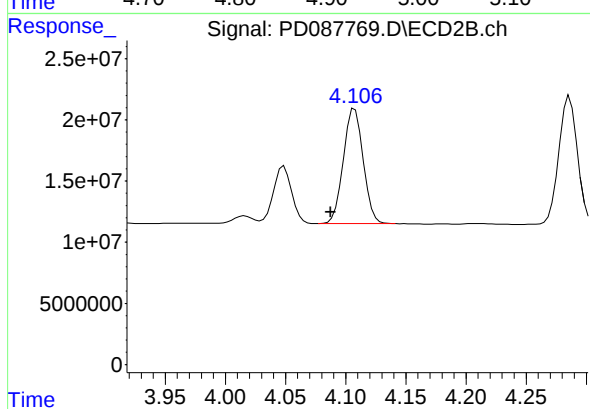
#3 gamma-BHC (Lindane)

R.T.: 3.753 min
Delta R.T.: 0.020 min
Response: 110029243
Conc: 6.20 ng/ml



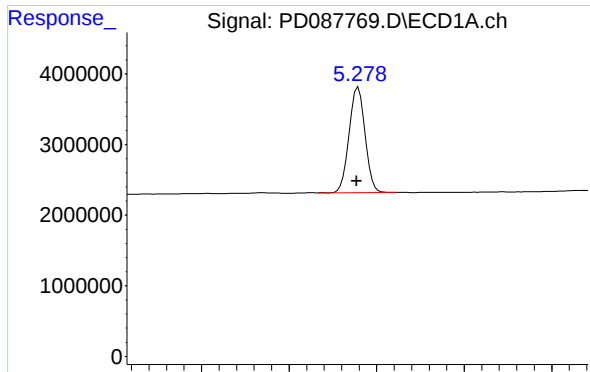
#4 Heptachlor

R.T.: 4.937 min
Delta R.T.: 0.002 min
Response: 18603483
Conc: 4.99 ng/ml



#4 Heptachlor

R.T.: 4.108 min
Delta R.T.: 0.020 min
Response: 108154249
Conc: 6.24 ng/ml



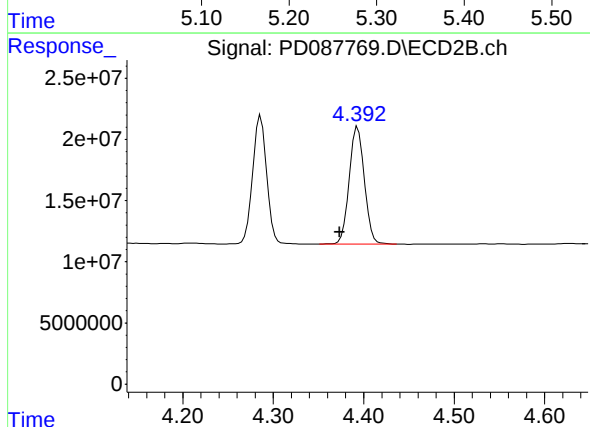
#5 Aldrin

R.T.: 5.279 min
Delta R.T.: 0.002 min
Response: 18987791
Conc: 4.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

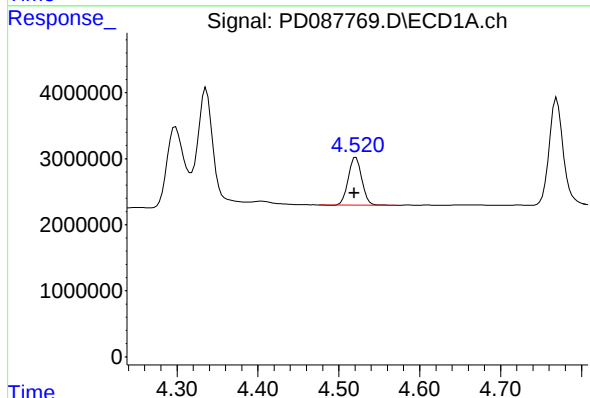
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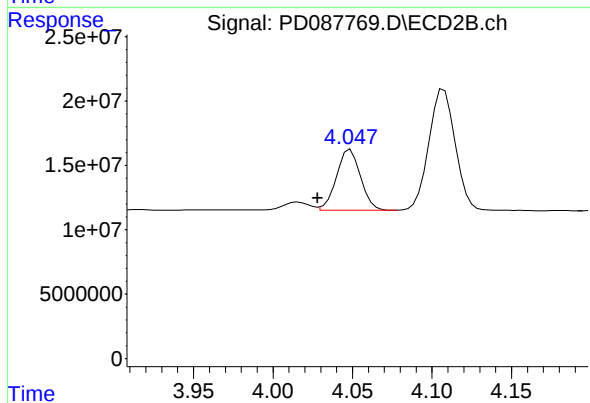
#5 Aldrin

R.T.: 4.393 min
Delta R.T.: 0.020 min
Response: 112114164
Conc: 6.42 ng/ml



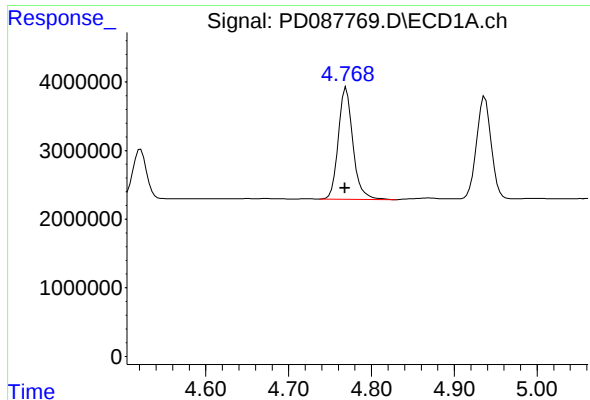
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.002 min
Response: 8343353
Conc: 5.29 ng/ml



#6 beta-BHC

R.T.: 4.047 min
Delta R.T.: 0.019 min
Response: 49125152
Conc: 6.44 ng/ml m



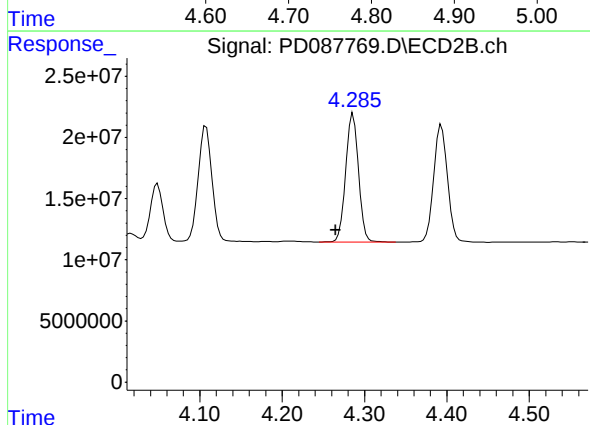
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.002 min
Response: 19988083
Conc: 4.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

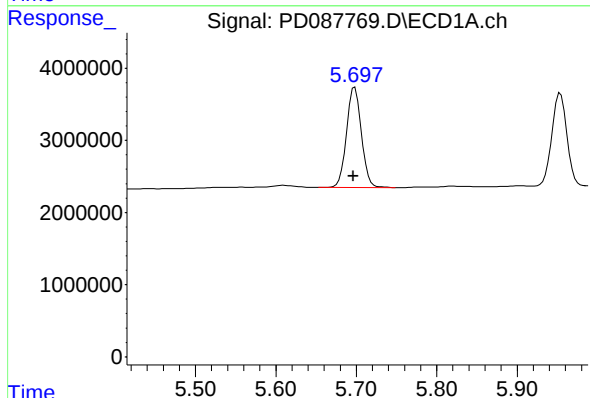
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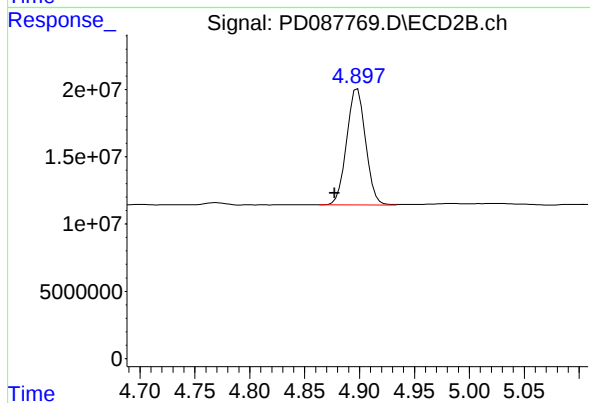
#7 delta-BHC

R.T.: 4.286 min
Delta R.T.: 0.021 min
Response: 113739952
Conc: 6.29 ng/ml



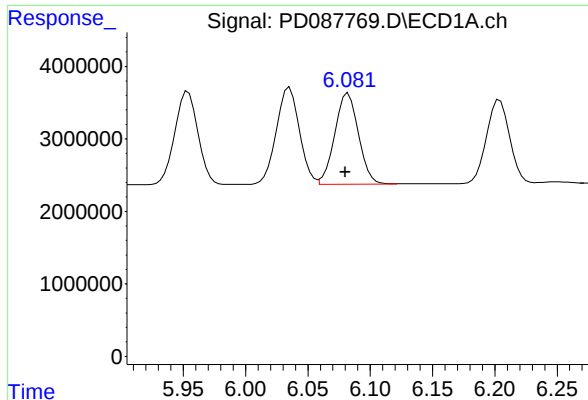
#8 Heptachlor epoxide

R.T.: 5.698 min
Delta R.T.: 0.002 min
Response: 17842316
Conc: 5.22 ng/ml



#8 Heptachlor epoxide

R.T.: 4.898 min
Delta R.T.: 0.021 min
Response: 103822744
Conc: 6.57 ng/ml



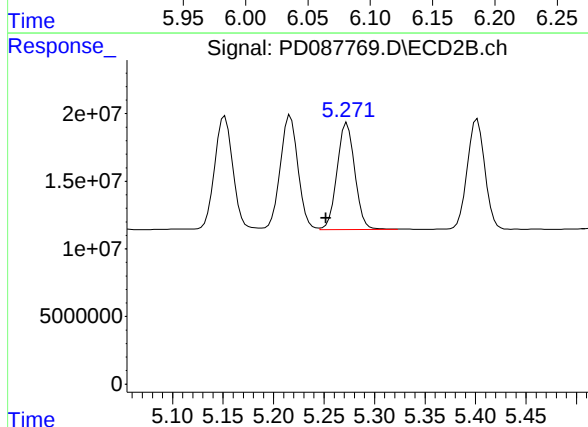
#9 Endosulfan I

R.T.: 6.082 min
Delta R.T.: 0.002 min
Response: 16524249
Conc: 5.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

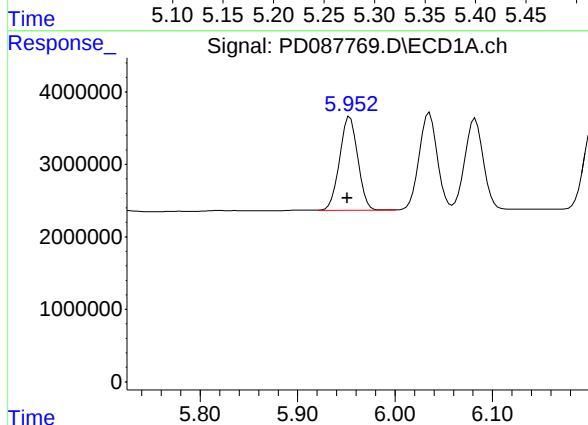
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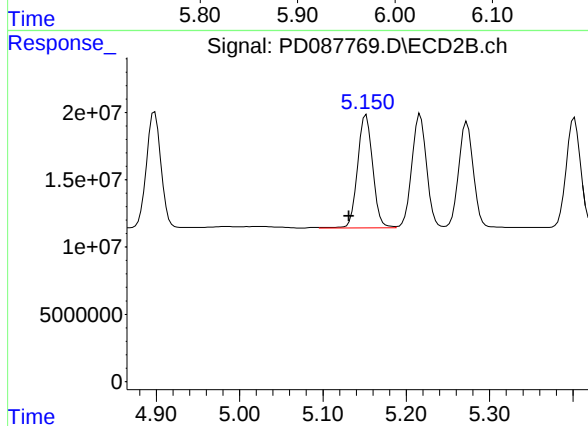
#9 Endosulfan I

R.T.: 5.273 min
Delta R.T.: 0.021 min
Response: 96766545
Conc: 6.49 ng/ml



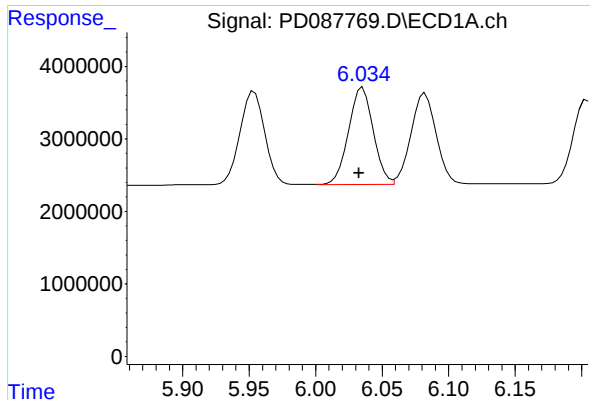
#10 gamma-Chlordane

R.T.: 5.954 min
Delta R.T.: 0.003 min
Response: 16822343
Conc: 5.09 ng/ml



#10 gamma-Chlordane

R.T.: 5.152 min
Delta R.T.: 0.021 min
Response: 106642912
Conc: 6.56 ng/ml



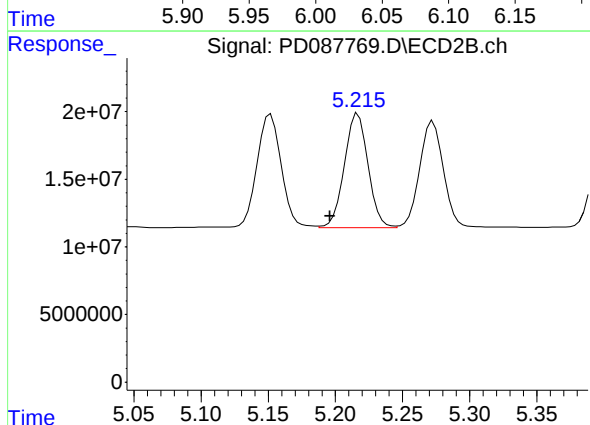
#11 alpha-Chlordane

R.T.: 6.035 min
Delta R.T.: 0.003 min
Response: 17301989
Conc: 5.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
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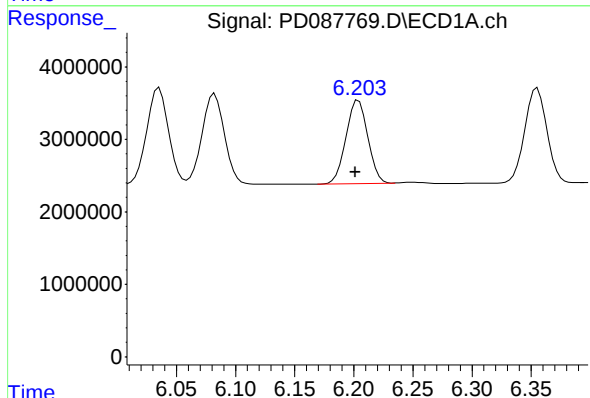
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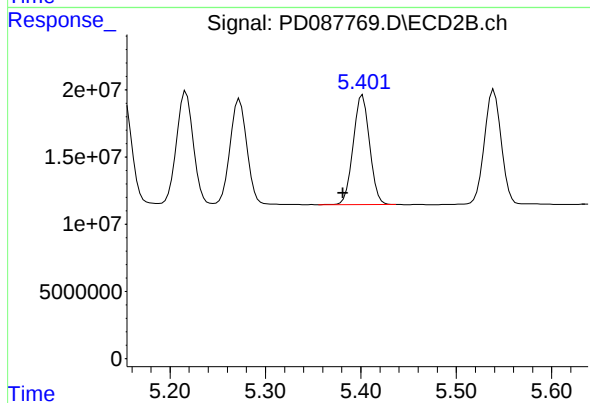
#11 alpha-Chlordane

R.T.: 5.217 min
Delta R.T.: 0.021 min
Response: 103734835
Conc: 6.50 ng/ml



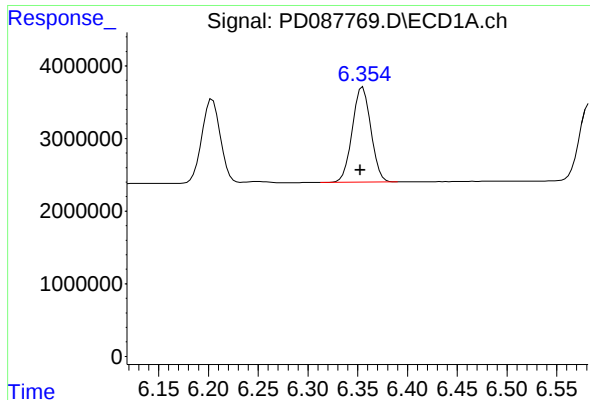
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.003 min
Response: 14779916
Conc: 4.90 ng/ml



#12 4,4'-DDE

R.T.: 5.402 min
Delta R.T.: 0.021 min
Response: 98598403
Conc: 6.27 ng/ml



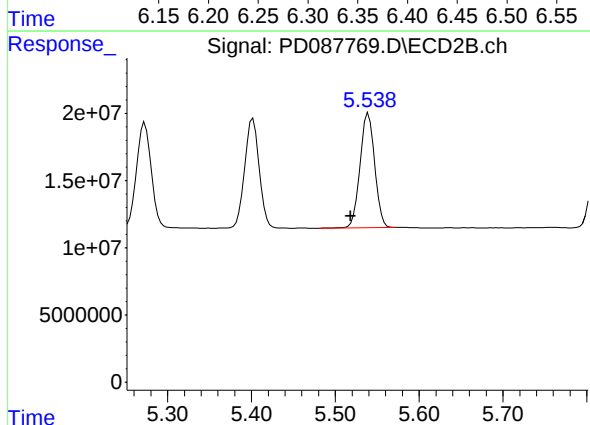
#13 Dieldrin

R.T.: 6.355 min
Delta R.T.: 0.003 min
Response: 17009305
Conc: 5.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

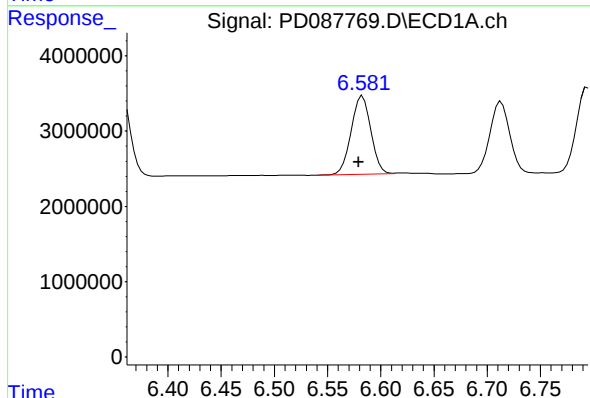
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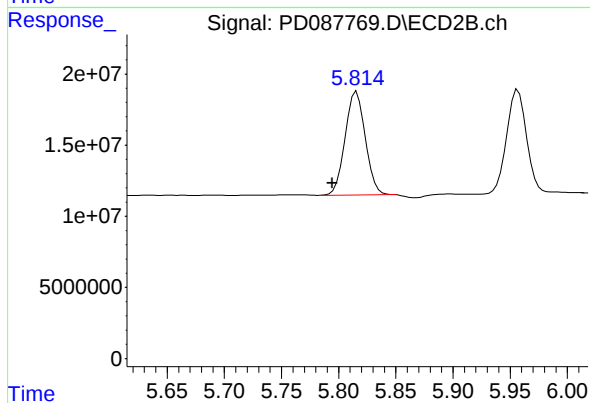
#13 Dieldrin

R.T.: 5.539 min
Delta R.T.: 0.021 min
Response: 103282988
Conc: 6.34 ng/ml



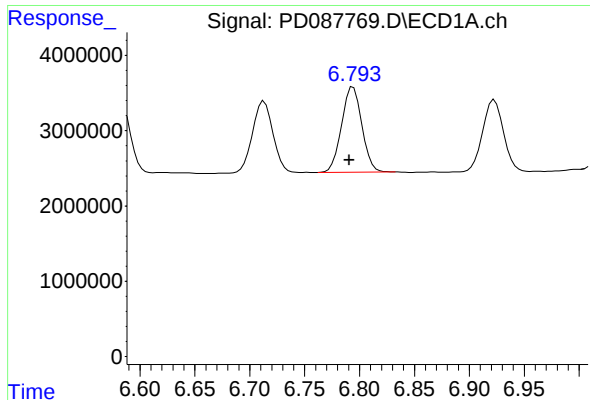
#14 Endrin

R.T.: 6.583 min
Delta R.T.: 0.003 min
Response: 13342498
Conc: 4.60 ng/ml



#14 Endrin

R.T.: 5.816 min
Delta R.T.: 0.021 min
Response: 89795793
Conc: 6.03 ng/ml



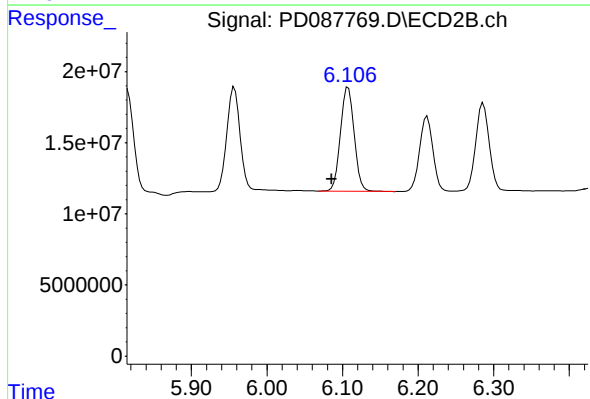
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.004 min
Response: 14545947
Conc: 5.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

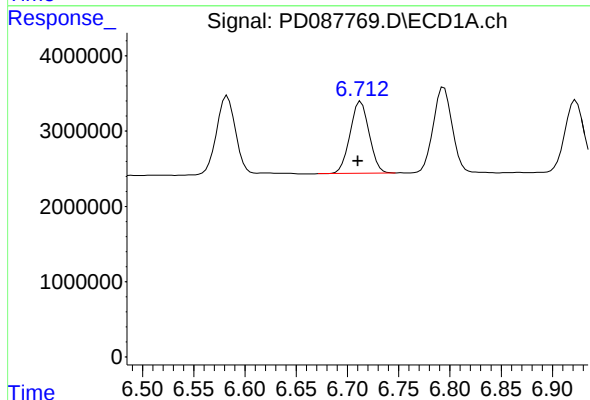
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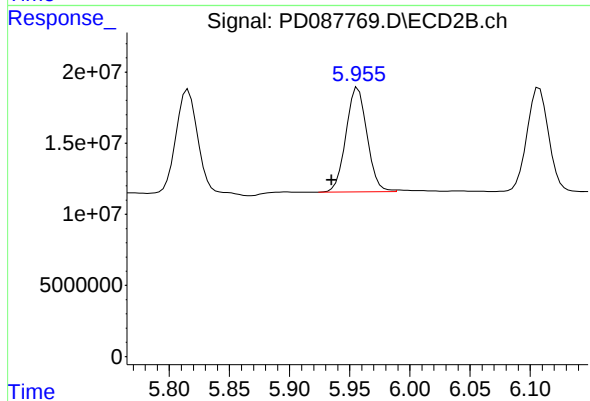
#15 Endosulfan II

R.T.: 6.107 min
Delta R.T.: 0.022 min
Response: 91990400
Conc: 6.44 ng/ml



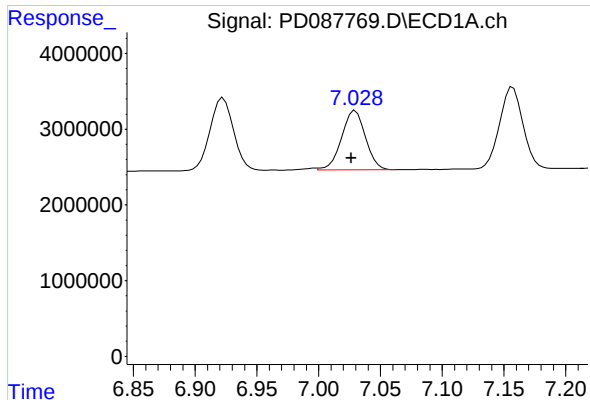
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.003 min
Response: 12408368
Conc: 5.16 ng/ml



#16 4,4'-DDD

R.T.: 5.955 min
Delta R.T.: 0.020 min
Response: 89529686
Conc: 6.77 ng/ml m



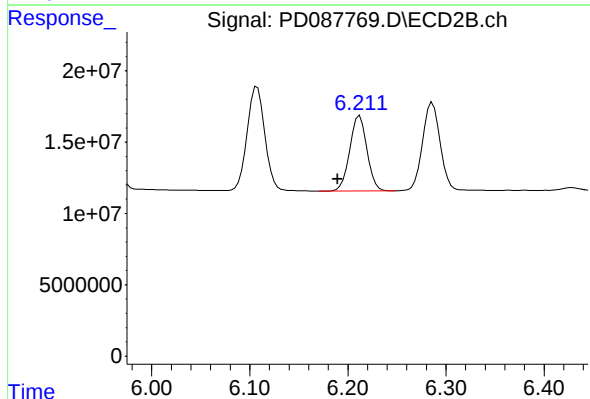
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.002 min
Response: 10529232
Conc: 4.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

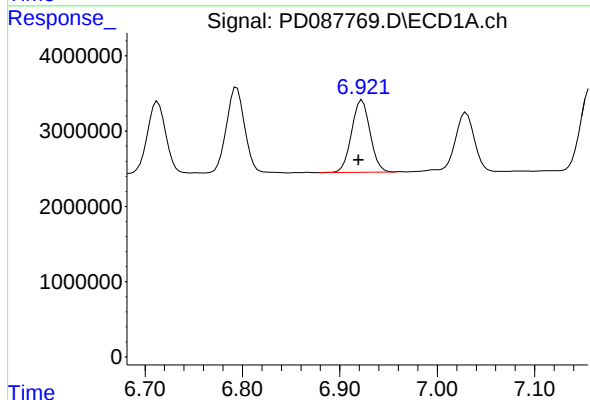
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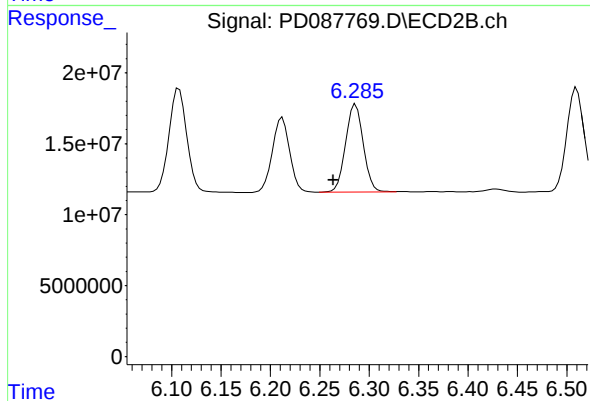
#17 4,4'-DDT

R.T.: 6.212 min
Delta R.T.: 0.023 min
Response: 64509167
Conc: 4.79 ng/ml



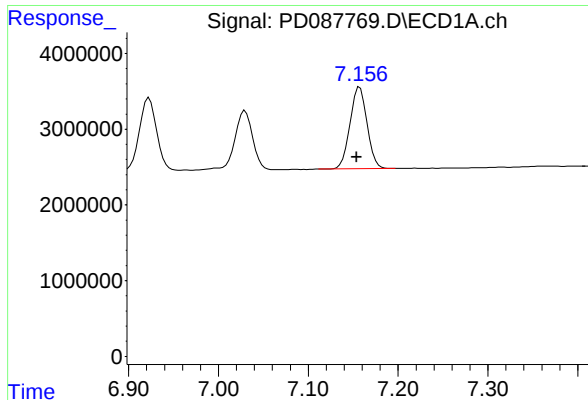
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.003 min
Response: 12676561
Conc: 5.47 ng/ml



#18 Endrin aldehyde

R.T.: 6.286 min
Delta R.T.: 0.023 min
Response: 77552268
Conc: 6.65 ng/ml



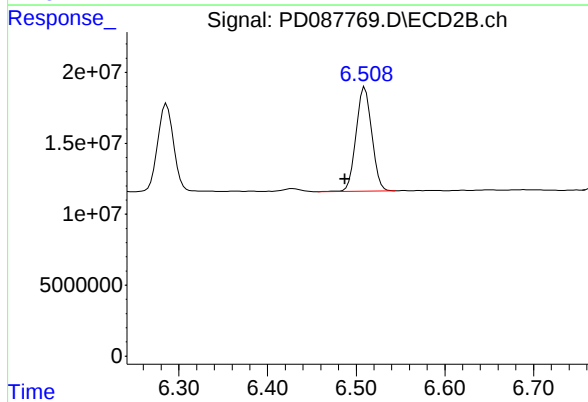
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.004 min
Response: 14205428
Conc: 5.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

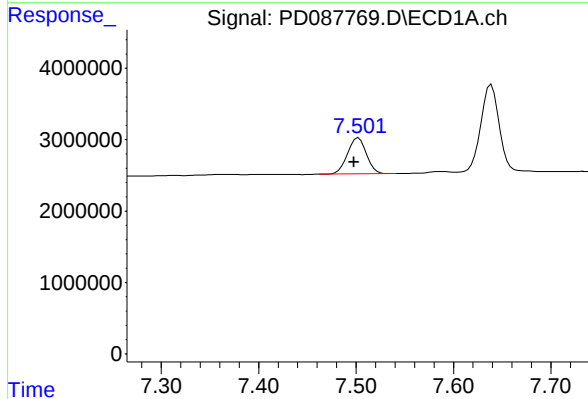
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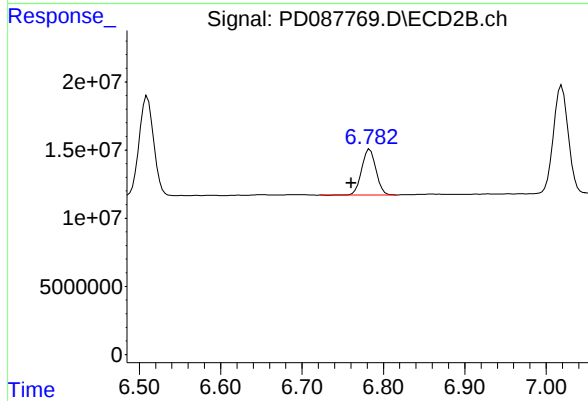
#19 Endosulfan Sulfate

R.T.: 6.510 min
Delta R.T.: 0.022 min
Response: 90245037
Conc: 6.35 ng/ml



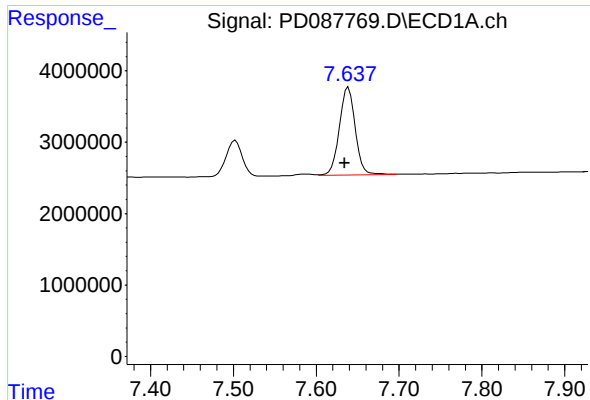
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.005 min
Response: 6804721
Conc: 4.64 ng/ml



#20 Methoxychlor

R.T.: 6.783 min
Delta R.T.: 0.023 min
Response: 41121611
Conc: 5.38 ng/ml



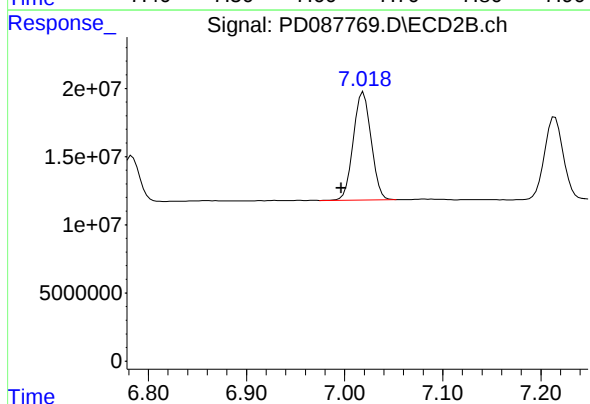
#21 Endrin ketone

R.T.: 7.639 min
Delta R.T.: 0.004 min
Response: 16388546
Conc: 5.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

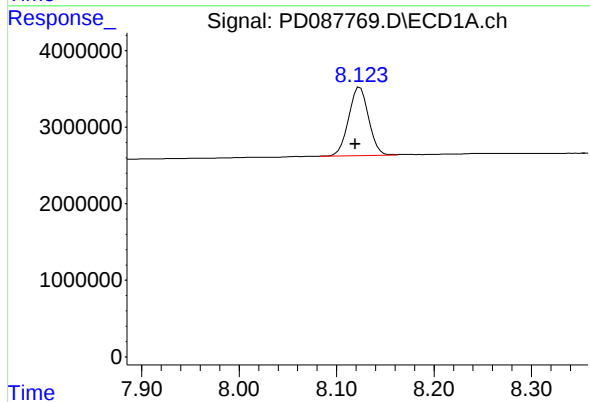
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025



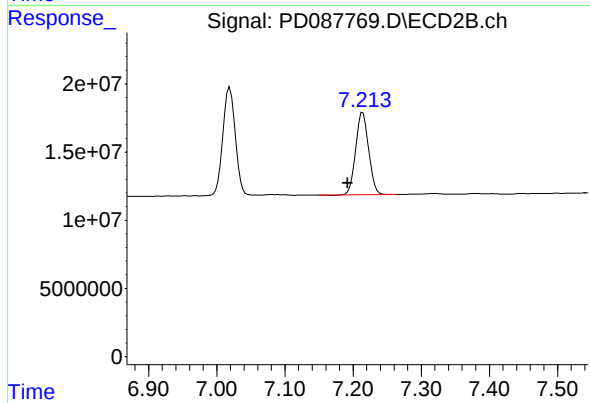
#21 Endrin ketone

R.T.: 7.019 min
Delta R.T.: 0.022 min
Response: 99606295
Conc: 6.38 ng/ml



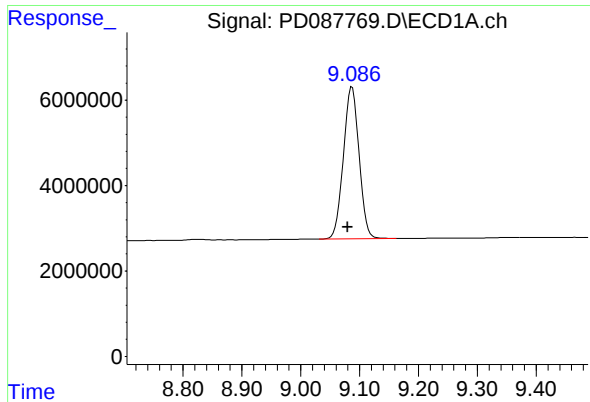
#22 Mirex

R.T.: 8.124 min
Delta R.T.: 0.005 min
Response: 12690015
Conc: 5.47 ng/ml



#22 Mirex

R.T.: 7.214 min
Delta R.T.: 0.022 min
Response: 80264406
Conc: 6.34 ng/ml



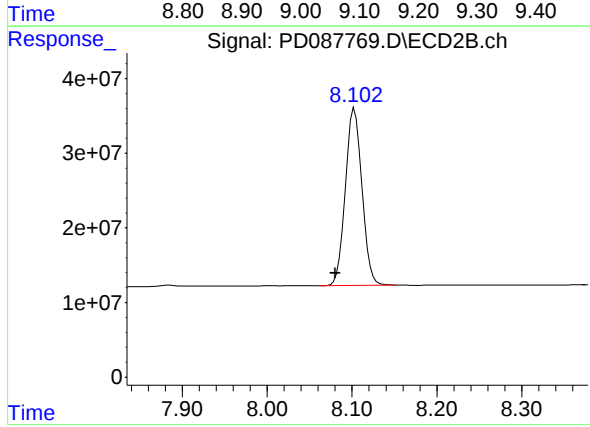
#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: 0.008 min
Response: 65958135
Conc: 21.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT1-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/07/2025
Supervised By :Ankita Jodhani 02/07/2025



#28 Decachlorobiphenyl

R.T.: 8.103 min
Delta R.T.: 0.022 min
Response: 322896189
Conc: 22.85 ng/ml