

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020725\
 Data File : PD087787.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Feb 2025 10:59
 Operator : AR\AJ
 Sample : Q1168-09
 Misc : PEST MDL 1PPB
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MDL-WATER-03-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 02/10/2025
 Supervised By :Ankita Jodhani 02/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 08 00:04:23 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...	3.554	2.881	38422249	261.9E6	19.285	21.774
28)	SA Decachlor...	9.084	8.081	61643828	302.6E6	20.211	21.409
Target Compounds							
2)	A alpha-BHC	4.004	3.395	3652893	25291474	0.908	1.353 #
3)	MA gamma-BHC...	4.333	3.732	5803160	23677171	1.458m	1.334
4)	MA Heptachlor	4.935	4.087	3850874	23125449	1.033m	1.335 #
5)	MB Aldrin	5.278	4.373	3959536	24216177	1.034	1.386 #
6)	B beta-BHC	4.520	4.028	1817872	11479343	1.152	1.505 #
7)	B delta-BHC	4.768	4.265	5533095	24117761	1.372m	1.333
8)	B Heptachlo...	5.695	4.876	3690142	22796299	1.080m	1.443m#
9)	A Endosulfan I	6.081	5.251	3500847	20156462	1.111	1.352m
10)	B gamma-Chl...	5.950	5.130	3281769	22214036	0.993m	1.366m#
11)	B alpha-Chl...	6.032	5.195	3712328	22073768	1.114m	1.384m
12)	B 4,4'-DDE	6.203	5.380	2922499	20877647	0.969	1.327m#
13)	MA Dieldrin	6.354	5.519	3430902	21389223	1.016	1.313 #
14)	MA Endrin	6.581	5.794	2610174	21178696	0.901	1.422m#
15)	B Endosulfa...	6.793	6.086	2794143	19661901	0.973	1.377 #
16)	A 4,4'-DDD	6.711	5.936	2639891	18897982	1.097	1.429 #
17)	MA 4,4'-DDT	7.026	6.190	2013895	11180537	0.782m	0.831
18)	B Endrin al...	6.922	6.263	2626035	17496995	1.134	1.501m#
19)	B Endosulfa...	7.156	6.489	2962597	19600921	1.081	1.379 #
20)	A Methoxychlor	7.500	6.762	1378673	8188325	0.939	1.071
21)	B Endrin ke...	7.636	6.998	3252664	20727054	1.058m	1.328 #
22)	Mirex	8.121	7.192	2565881	18486411	1.107	1.460 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020725\
Data File : PD087787.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Feb 2025 10:59
Operator : AR\AJ
Sample : Q1168-09
Misc : PEST MDL 1PPB
ALS Vial : 10 Sample Multiplier: 1

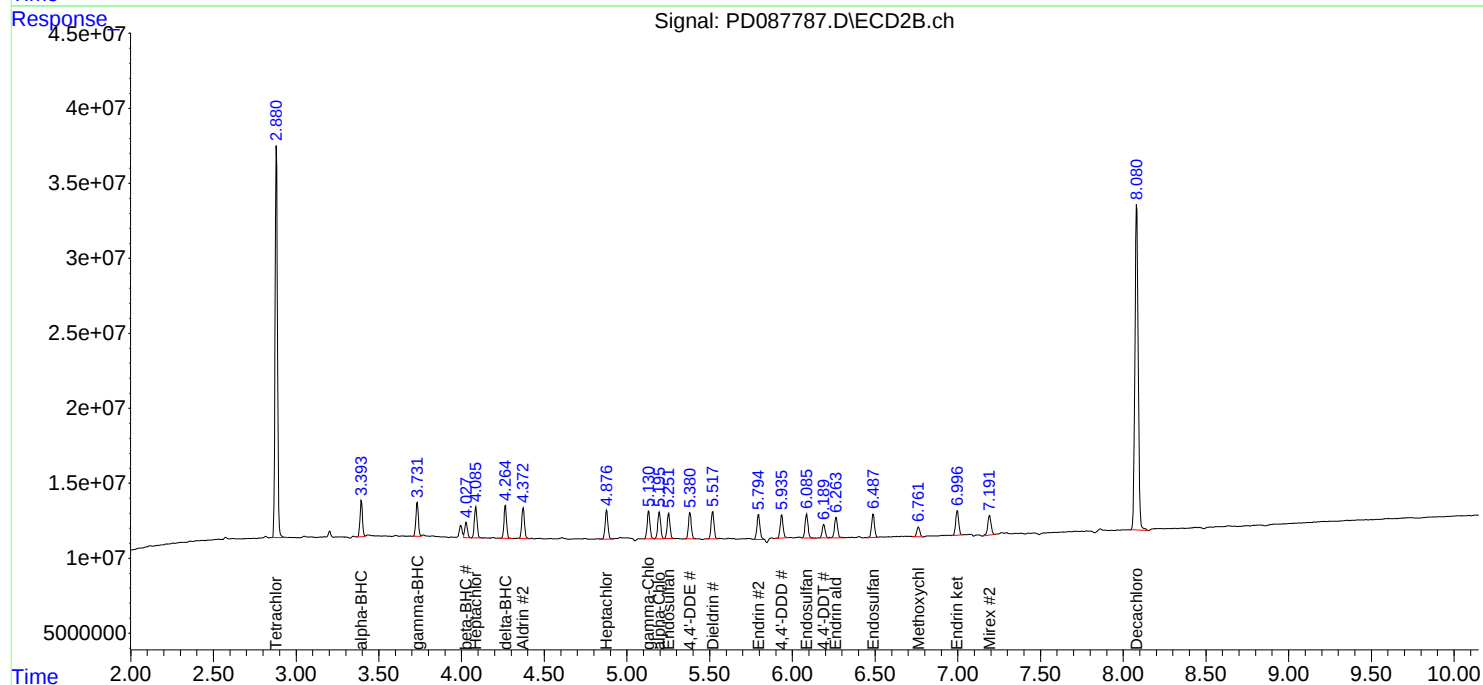
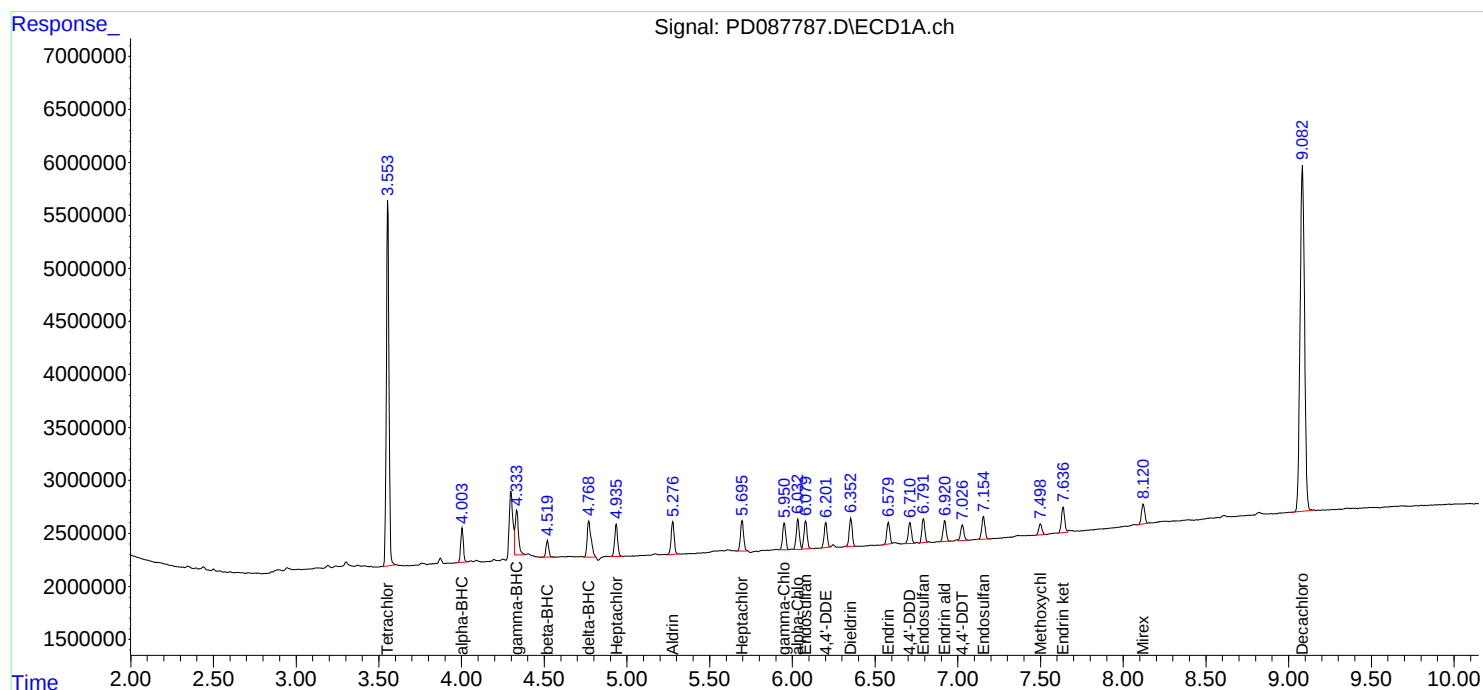
Instrument :
ECD_D
ClientSampleId :
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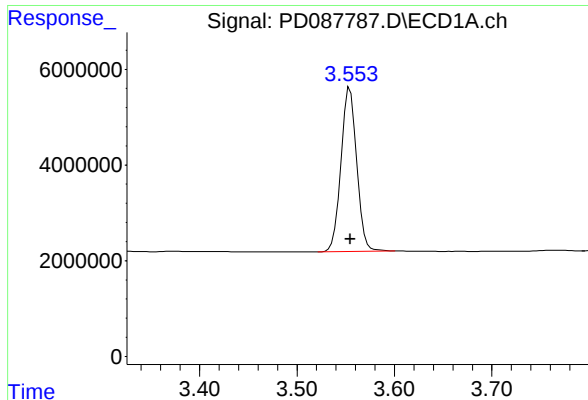
Manual Integrations
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Supervised By : Ankita Jodhani 02/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 08 00:04:23 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
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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





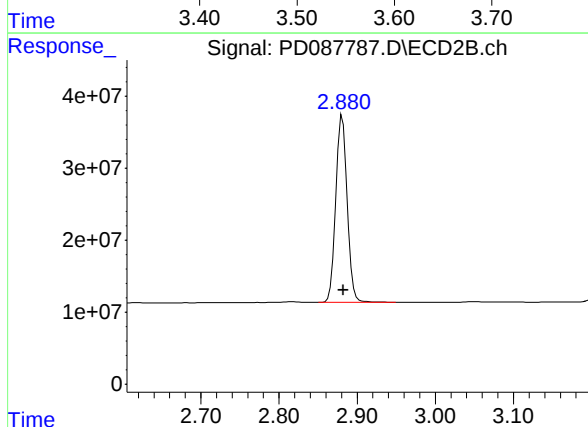
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.000 min
Response: 38422249
Conc: 19.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

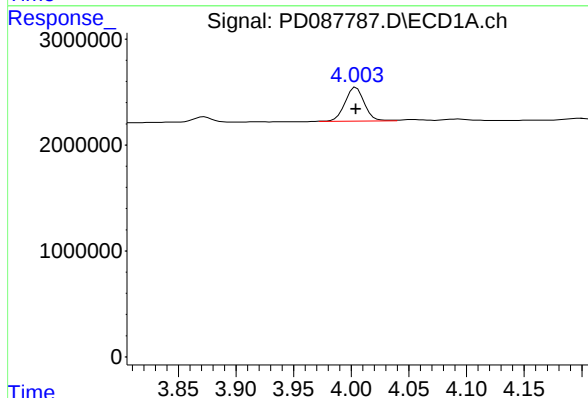
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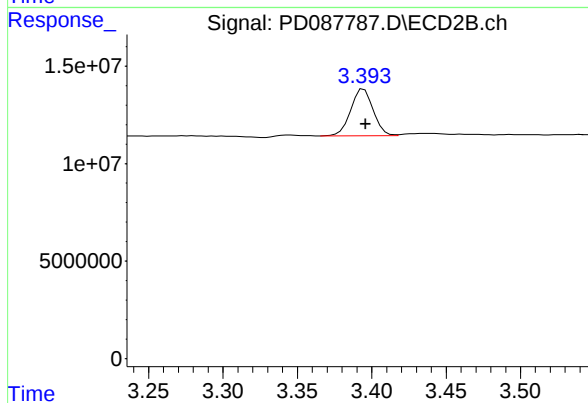
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.001 min
Response: 261874574
Conc: 21.77 ng/ml



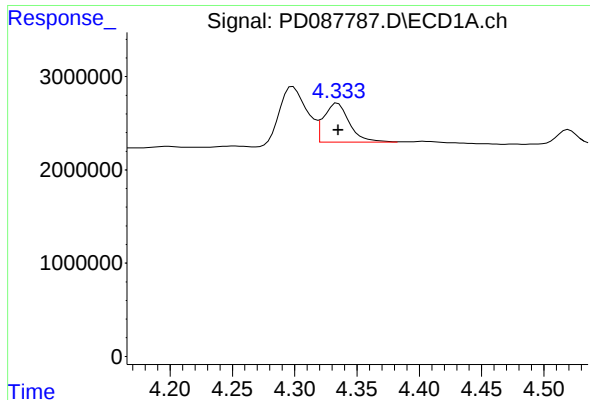
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.000 min
Response: 3652893
Conc: 0.91 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: -0.001 min
Response: 25291474
Conc: 1.35 ng/ml



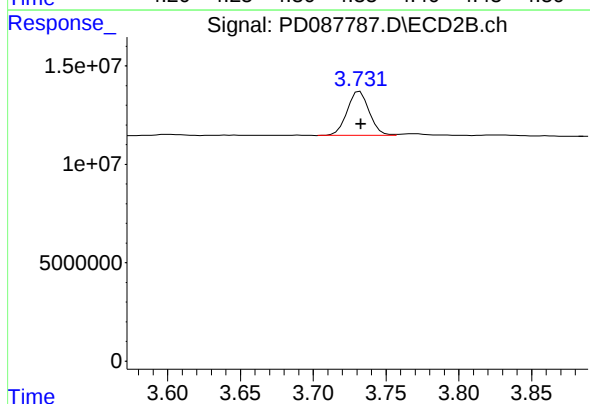
#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: -0.002 min
Response: 5803160
Conc: 1.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

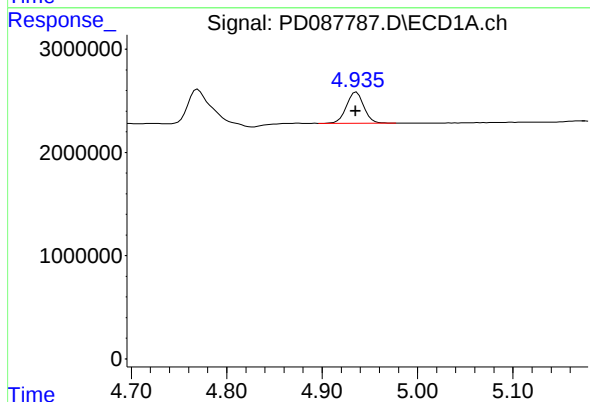
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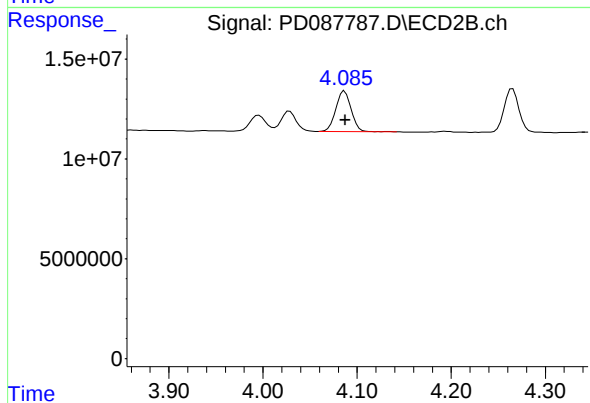
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 23677171
Conc: 1.33 ng/ml



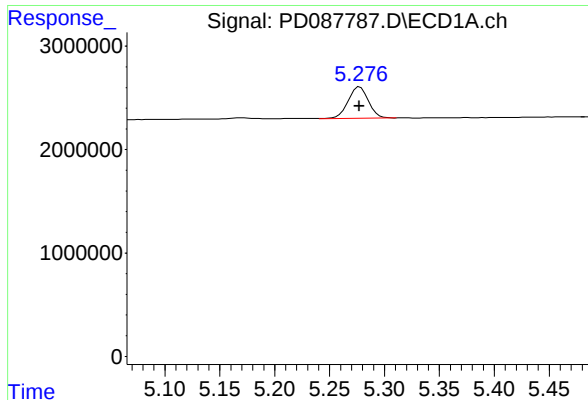
#4 Heptachlor

R.T.: 4.935 min
Delta R.T.: 0.000 min
Response: 3850874
Conc: 1.03 ng/ml m



#4 Heptachlor

R.T.: 4.087 min
Delta R.T.: 0.000 min
Response: 23125449
Conc: 1.33 ng/ml



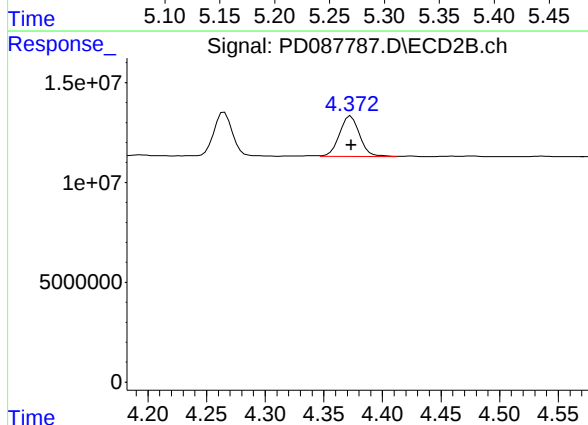
#5 Aldrin

R.T.: 5.278 min
Delta R.T.: 0.000 min
Response: 3959536
Conc: 1.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

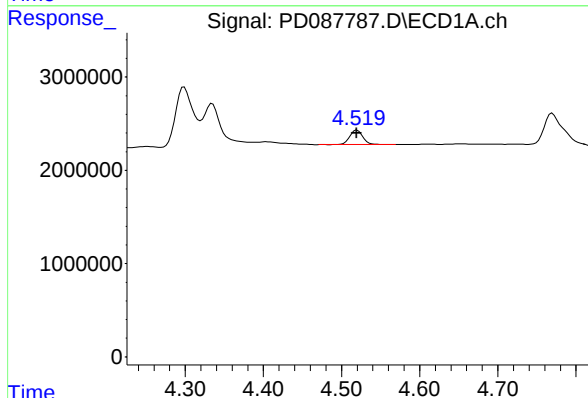
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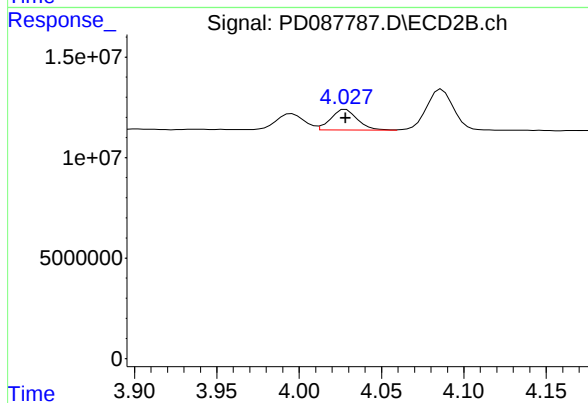
#5 Aldrin

R.T.: 4.373 min
Delta R.T.: 0.000 min
Response: 24216177
Conc: 1.39 ng/ml



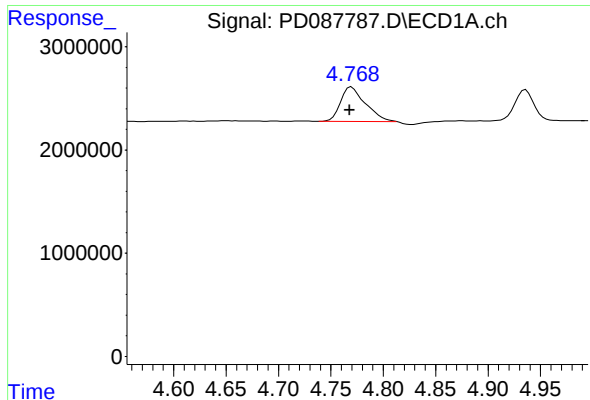
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.000 min
Response: 1817872
Conc: 1.15 ng/ml



#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 11479343
Conc: 1.51 ng/ml



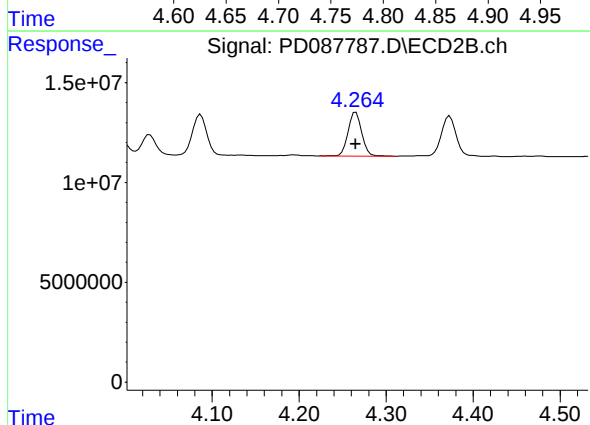
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.000 min
Response: 5533095
Conc: 1.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

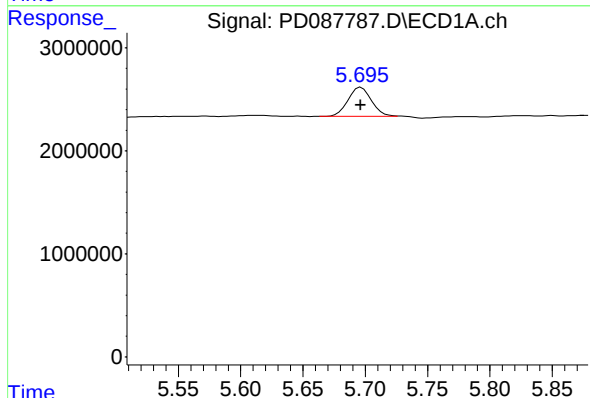
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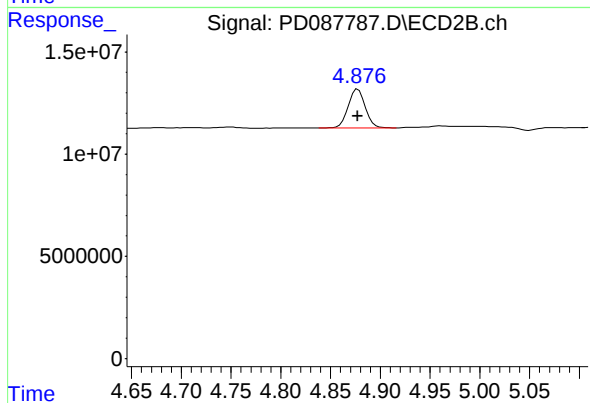
#7 delta-BHC

R.T.: 4.265 min
Delta R.T.: 0.000 min
Response: 24117761
Conc: 1.33 ng/ml



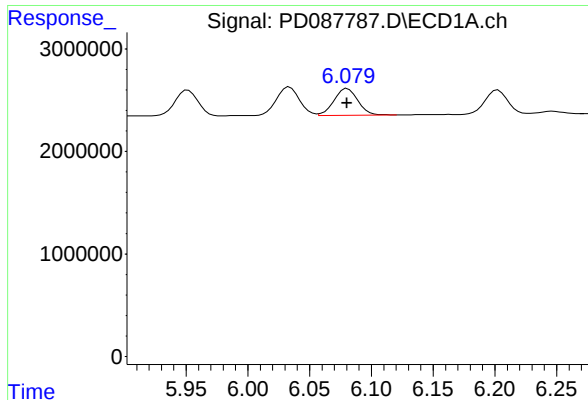
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: -0.001 min
Response: 3690142
Conc: 1.08 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.876 min
Delta R.T.: -0.001 min
Response: 22796299
Conc: 1.44 ng/ml m



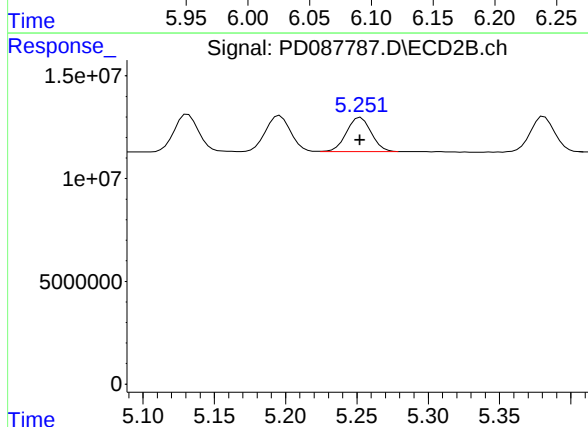
#9 Endosulfan I

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 3500847
Conc: 1.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

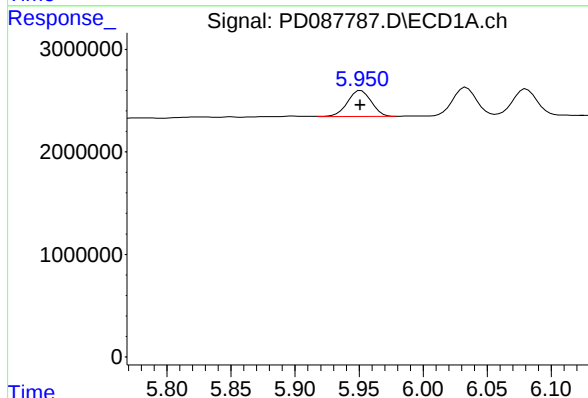
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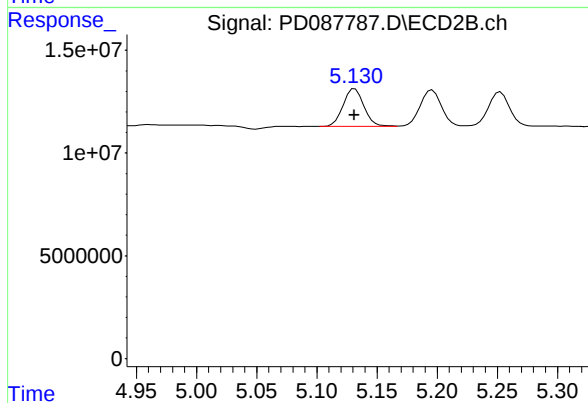
#9 Endosulfan I

R.T.: 5.251 min
Delta R.T.: 0.000 min
Response: 20156462
Conc: 1.35 ng/ml m



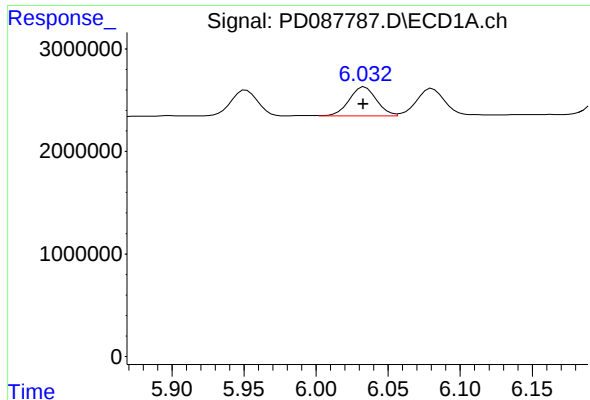
#10 gamma-Chlordane

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 3281769
Conc: 0.99 ng/ml m



#10 gamma-Chlordane

R.T.: 5.130 min
Delta R.T.: 0.000 min
Response: 22214036
Conc: 1.37 ng/ml m



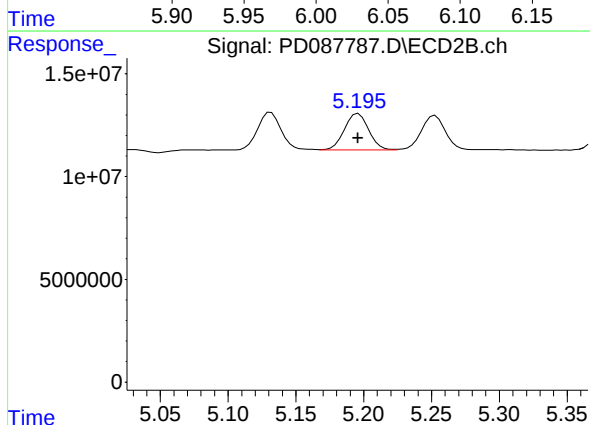
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.000 min
Response: 3712328
Conc: 1.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

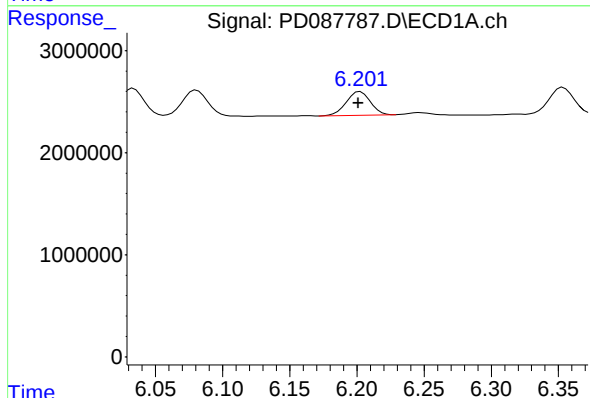
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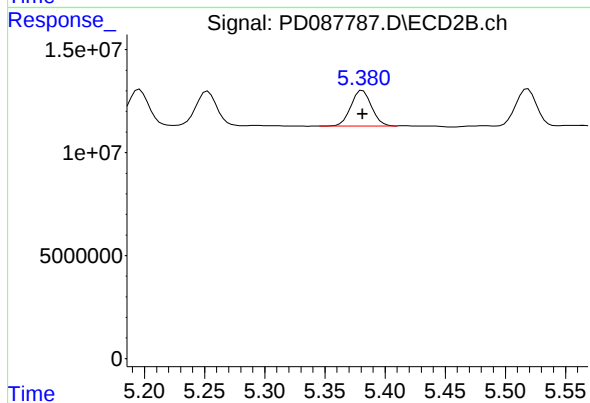
#11 alpha-Chlordane

R.T.: 5.195 min
Delta R.T.: -0.001 min
Response: 22073768
Conc: 1.38 ng/ml m



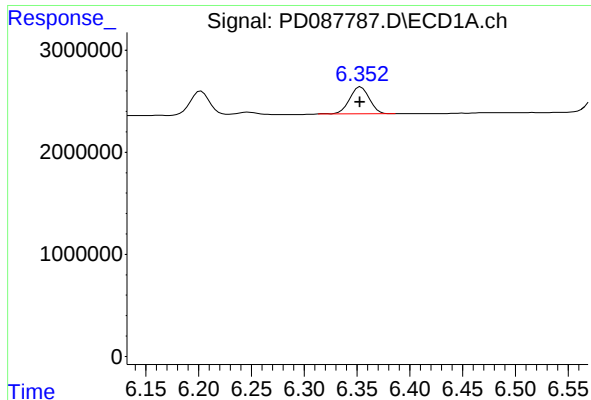
#12 4,4'-DDE

R.T.: 6.203 min
Delta R.T.: 0.001 min
Response: 2922499
Conc: 0.97 ng/ml



#12 4,4'-DDE

R.T.: 5.380 min
Delta R.T.: -0.001 min
Response: 20877647
Conc: 1.33 ng/ml m



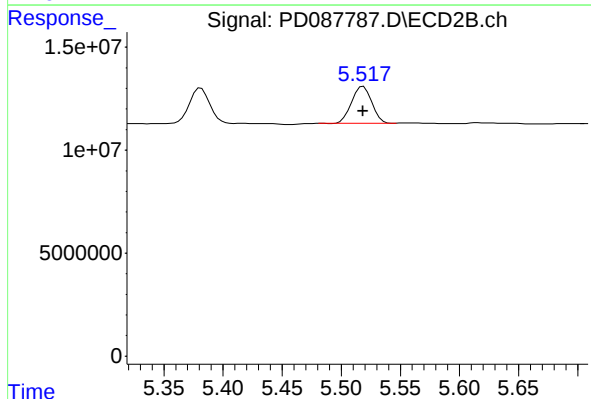
#13 Dieldrin

R.T.: 6.354 min
Delta R.T.: 0.000 min
Response: 3430902
Conc: 1.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

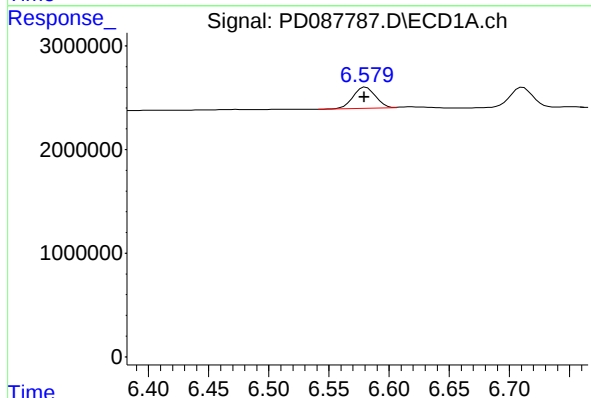
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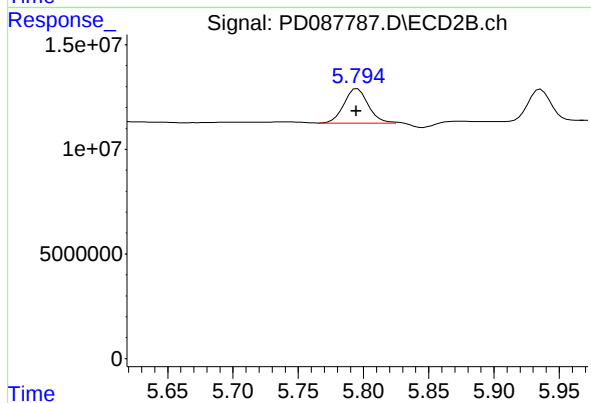
#13 Dieldrin

R.T.: 5.519 min
Delta R.T.: 0.000 min
Response: 21389223
Conc: 1.31 ng/ml



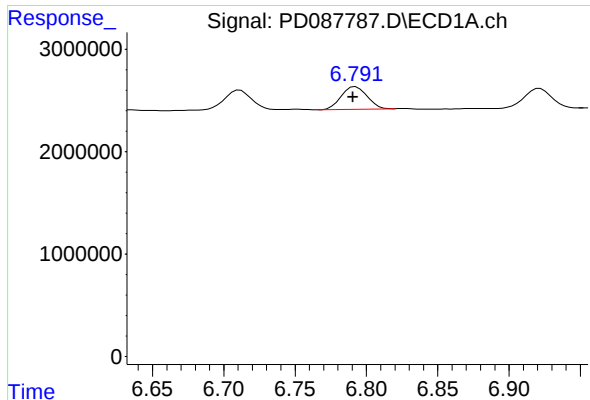
#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.001 min
Response: 2610174
Conc: 0.90 ng/ml



#14 Endrin

R.T.: 5.794 min
Delta R.T.: 0.000 min
Response: 21178696
Conc: 1.42 ng/ml m



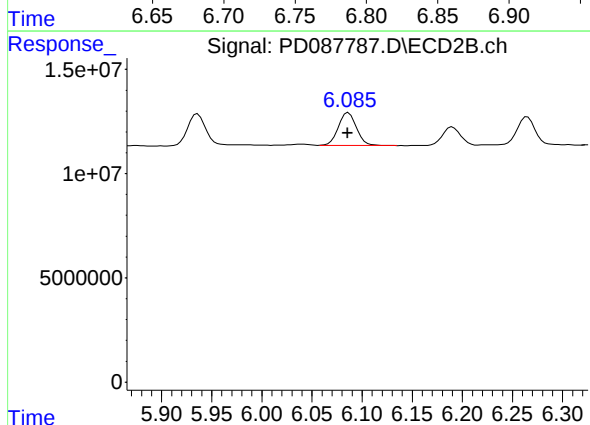
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.002 min
Response: 2794143
Conc: 0.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

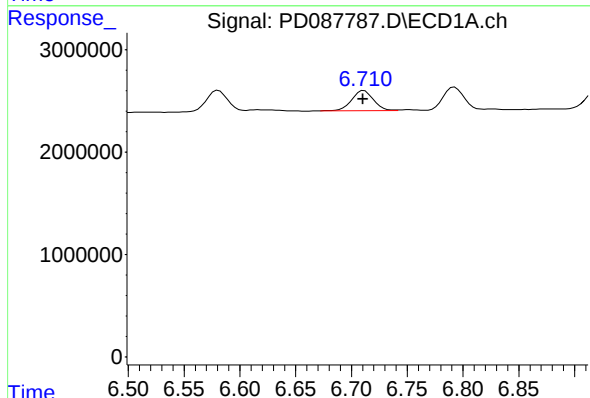
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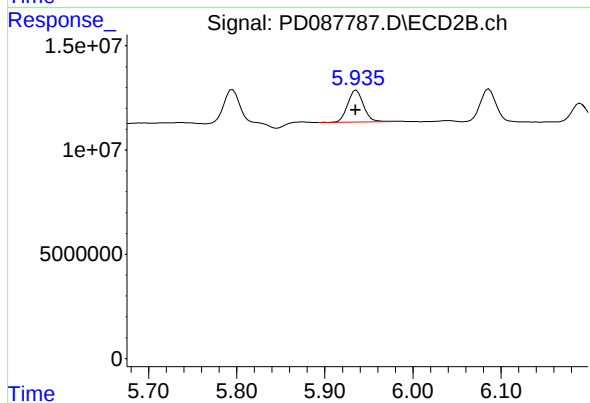
#15 Endosulfan II

R.T.: 6.086 min
Delta R.T.: 0.000 min
Response: 19661901
Conc: 1.38 ng/ml



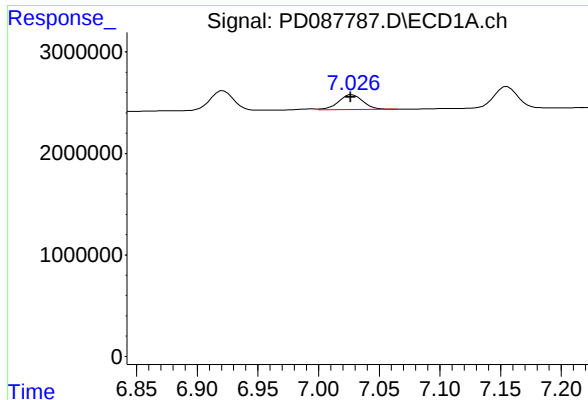
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.000 min
Response: 2639891
Conc: 1.10 ng/ml



#16 4,4'-DDD

R.T.: 5.936 min
Delta R.T.: 0.000 min
Response: 18897982
Conc: 1.43 ng/ml



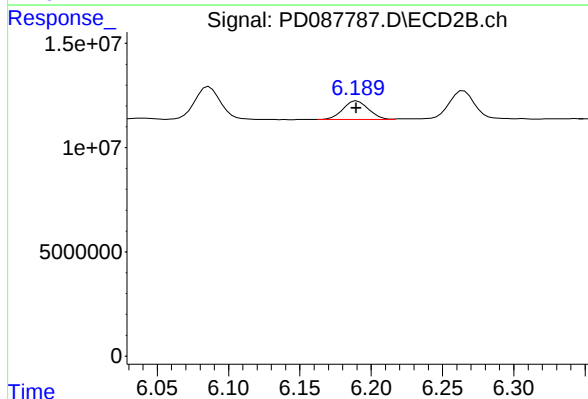
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.000 min
Response: 2013895
Conc: 0.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

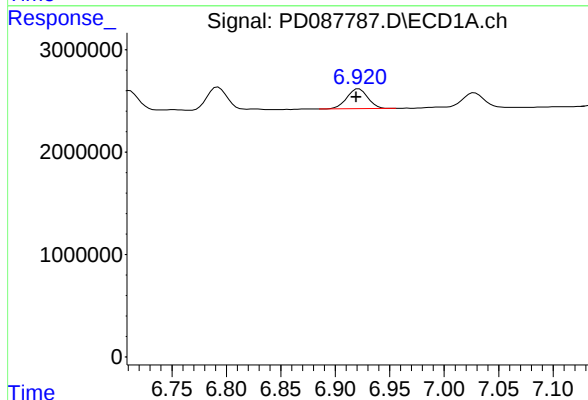
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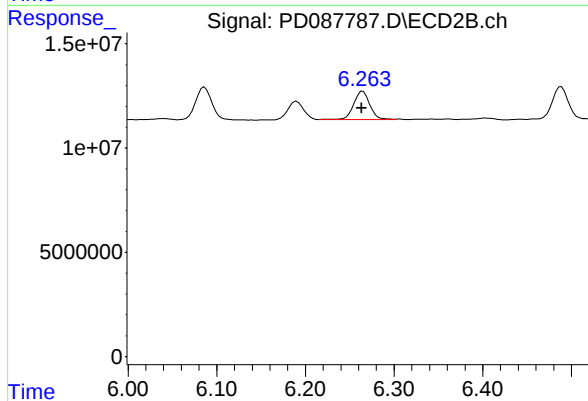
#17 4,4'-DDT

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 11180537
Conc: 0.83 ng/ml



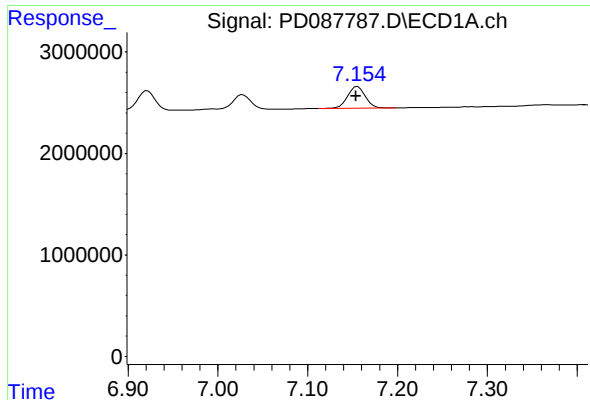
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: 0.002 min
Response: 2626035
Conc: 1.13 ng/ml



#18 Endrin aldehyde

R.T.: 6.263 min
Delta R.T.: 0.000 min
Response: 17496995
Conc: 1.50 ng/ml m



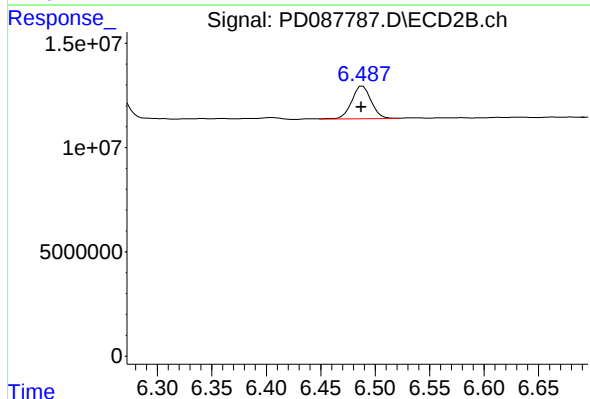
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.002 min
Response: 2962597
Conc: 1.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

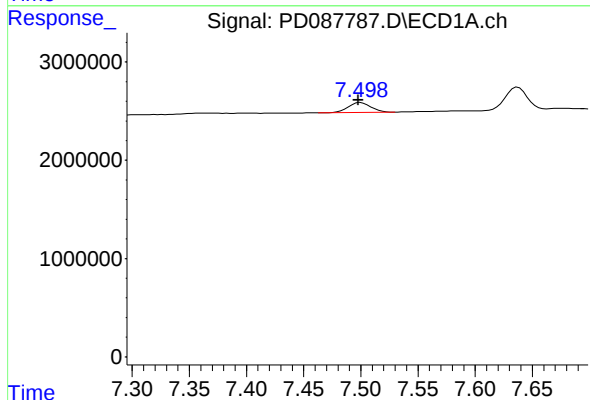
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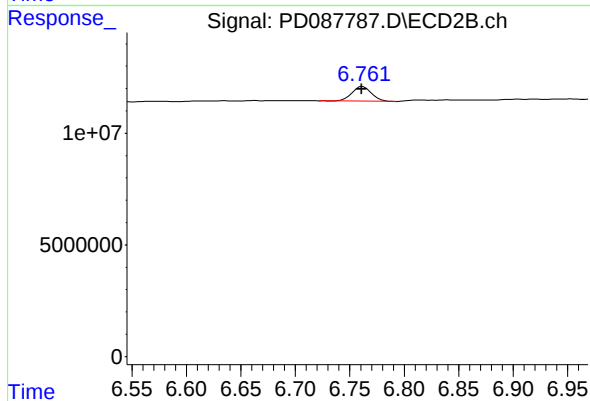
#19 Endosulfan Sulfate

R.T.: 6.489 min
Delta R.T.: 0.001 min
Response: 19600921
Conc: 1.38 ng/ml



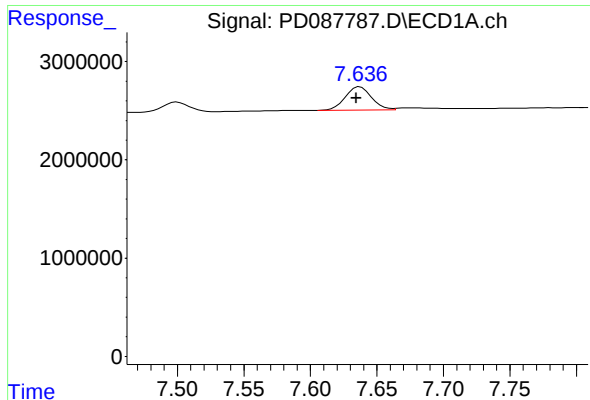
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.002 min
Response: 1378673
Conc: 0.94 ng/ml



#20 Methoxychlor

R.T.: 6.762 min
Delta R.T.: 0.001 min
Response: 8188325
Conc: 1.07 ng/ml



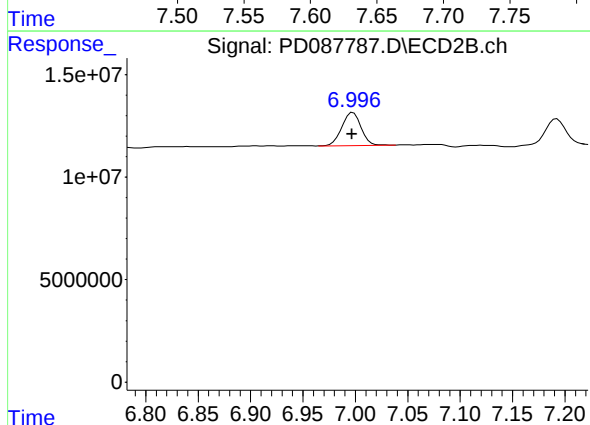
#21 Endrin ketone

R.T.: 7.636 min
Delta R.T.: 0.001 min
Response: 3252664
Conc: 1.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

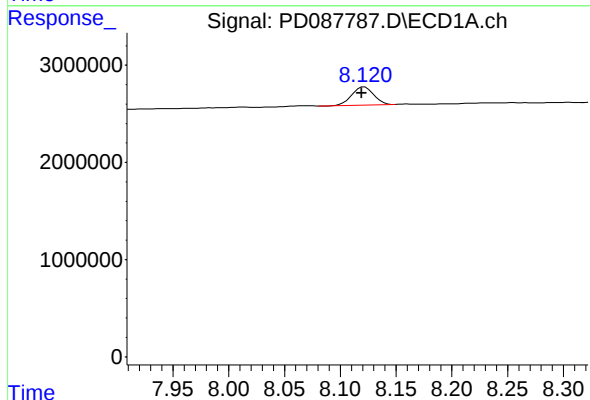
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 02/10/2025
Supervised By :Ankita Jodhani 02/10/2025



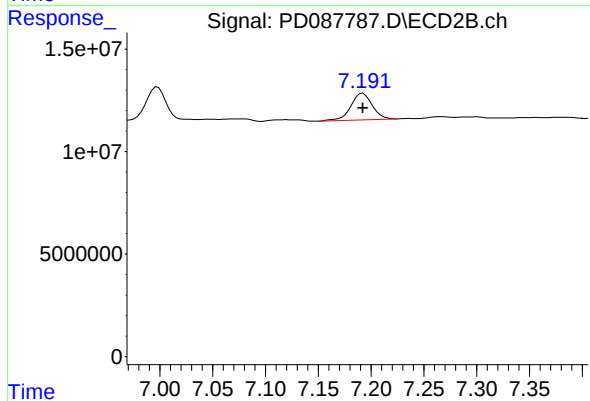
#21 Endrin ketone

R.T.: 6.998 min
Delta R.T.: 0.001 min
Response: 20727054
Conc: 1.33 ng/ml



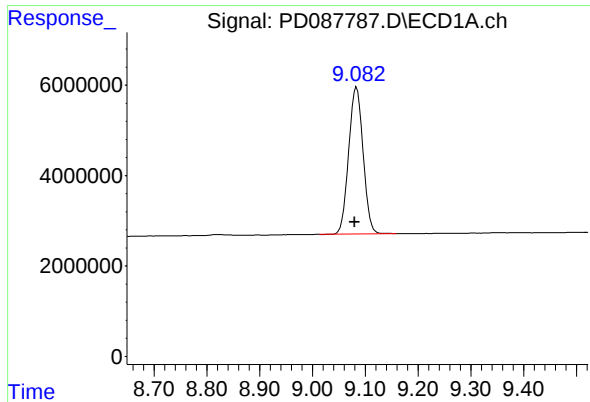
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.002 min
Response: 2565881
Conc: 1.11 ng/ml



#22 Mirex

R.T.: 7.192 min
Delta R.T.: 0.000 min
Response: 18486411
Conc: 1.46 ng/ml



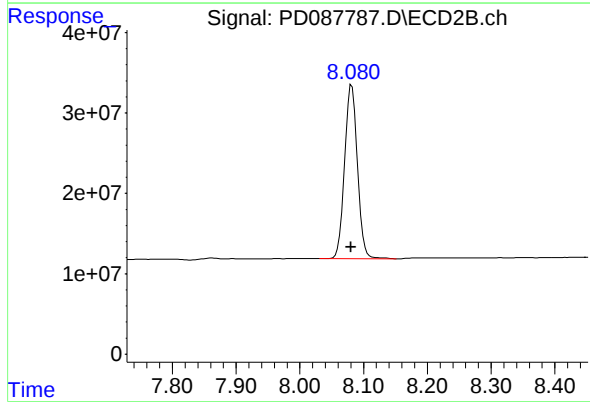
#28 Decachlorobiphenyl

R.T.: 9.084 min
Delta R.T.: 0.004 min
Response: 61643828
Conc: 20.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT1-2025

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.081 min
Delta R.T.: 0.000 min
Response: 302558748
Conc: 21.41 ng/ml