

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102723\
 Data File : PD079199.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2023 12:03
 Operator : AR\AJ
 Sample : 04699-09
 Misc : PEST MDL 1PPB
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/30/2023
 Supervised By :mohammad ahmed 10/30/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 27 22:06:52 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD102023.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 20 04:44:01 2023
 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...	3.570	2.806	27635403	41872619	17.116	18.085
28)	SA Decachlor...	9.117	7.955	36644756	47271324	18.267	19.393
Target Compounds							
2)	A alpha-BHC	4.026	3.309	2648712	3612154	0.995	1.042
3)	MA gamma-BHC...	4.360	3.640	2593911	3506454	0.998	1.033
4)	MA Heptachlor	4.953	3.982	3143099	3591013	1.175	1.176
5)	MB Aldrin	5.296	4.263	2955354	3575454	1.147	1.093
6)	B beta-BHC	4.553	3.933	1235603	1648356	1.153	1.170m
7)	B delta-BHC	4.802	4.165	2971556	3804184	1.110	1.136
8)	B Heptachlo...	5.723	4.765	2889043	3558706	1.233	1.200
9)	A Endosulfan I	6.110	5.136	2756374	3092631	1.271	1.168
10)	B gamma-Chl...	5.979	5.016	2816636	3406508	1.229	1.187
11)	B alpha-Chl...	6.059	5.080	2850464	3352731	1.250	1.168
12)	B 4,4'-DDE	6.229	5.269	2369342	2958720	1.121	1.111
13)	MA Dieldrin	6.385	5.401	2701507	3273812	1.160	1.102
14)	MA Endrin	6.615	5.676	2050456	2921027	1.053	1.141
15)	B Endosulfa...	6.833	5.968	2431336	2947538	1.192	1.181
16)	A 4,4'-DDD	6.746	5.823	1980225	2699703	1.126	1.182
17)	MA 4,4'-DDT	7.061	6.074	2064541	2292272	1.090	1.001
18)	B Endrin al...	6.962	6.148	1891368	2306640	1.225m	1.241
19)	B Endosulfa...	7.197	6.370	2516274	2943813	1.266	1.261
20)	A Methoxychlor	7.535	6.649	1255007	1554372	1.145	1.145
21)	B Endrin ke...	7.682	6.876	2751999	3164072	1.262m	1.132
22)	Mirex	8.161	7.062	2399648	2960364	1.418	1.386

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102723\
Data File : PD079199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2023 12:03
Operator : AR\AJ
Sample : 04699-09
Misc : PEST MDL 1PPB
ALS Vial : 10 Sample Multiplier: 1

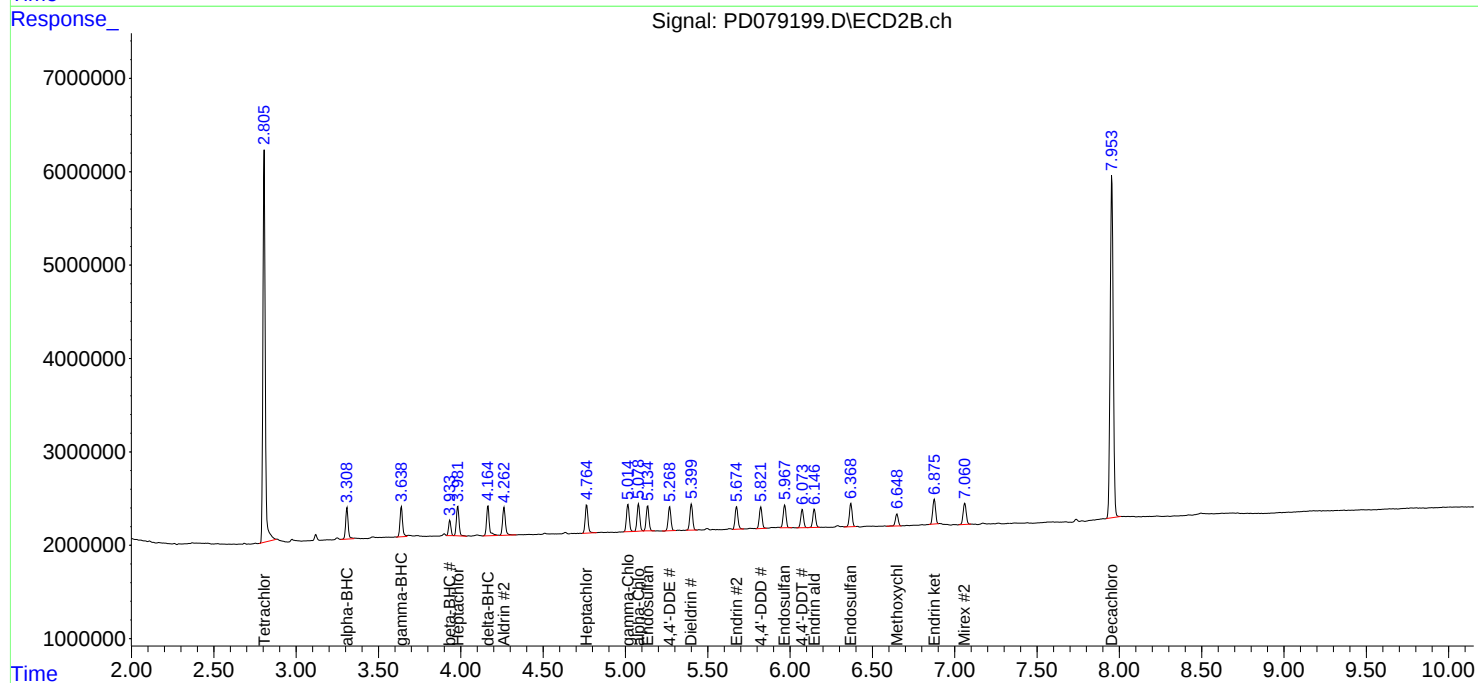
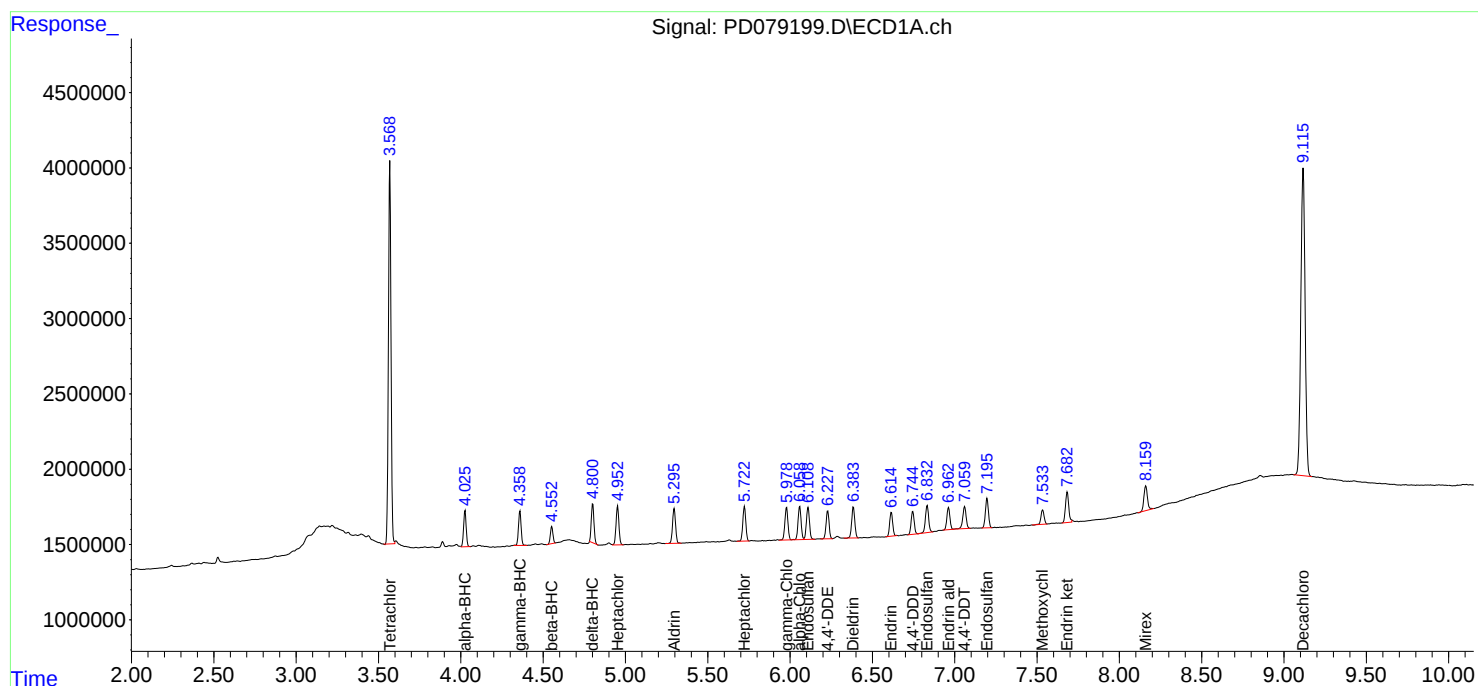
Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT4-2023

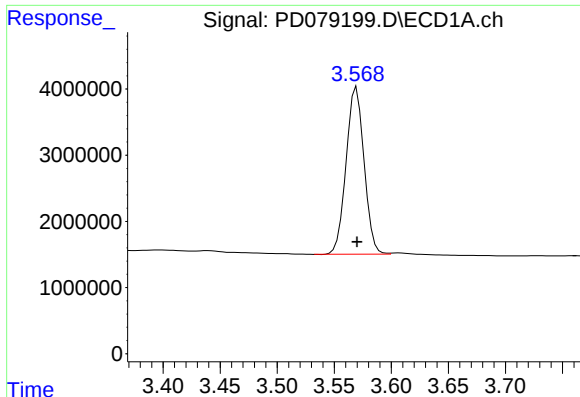
Manual Integrations
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Supervised By :mohammad ahmed 10/30/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD102023.M
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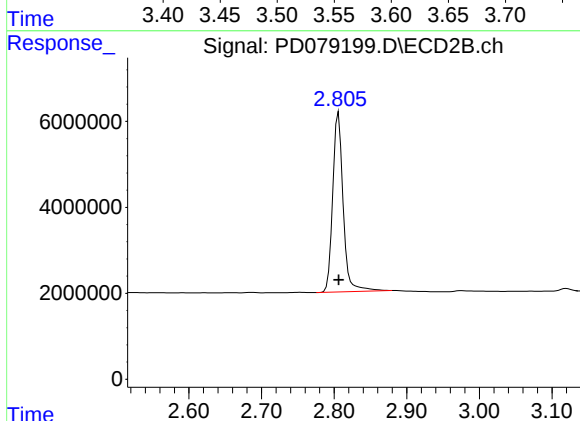
#1 Tetrachloro-m-xylene

R.T.: 3.570 min
Delta R.T.: 0.000 min
Response: 27635403
Conc: 17.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
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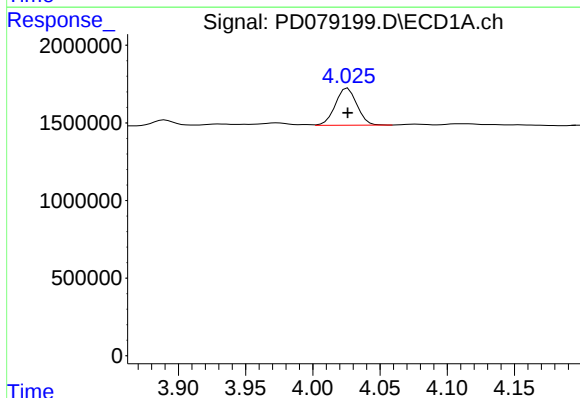
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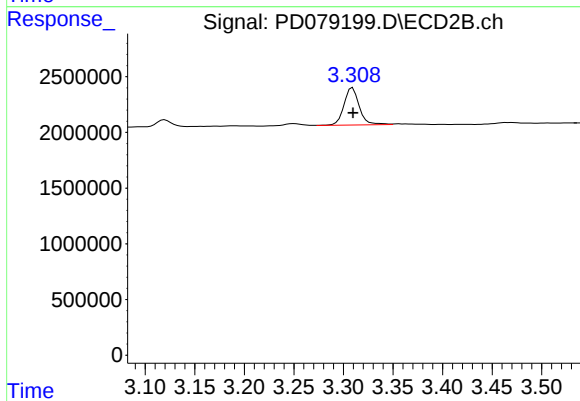
#1 Tetrachloro-m-xylene

R.T.: 2.806 min
Delta R.T.: 0.000 min
Response: 41872619
Conc: 18.09 ng/ml



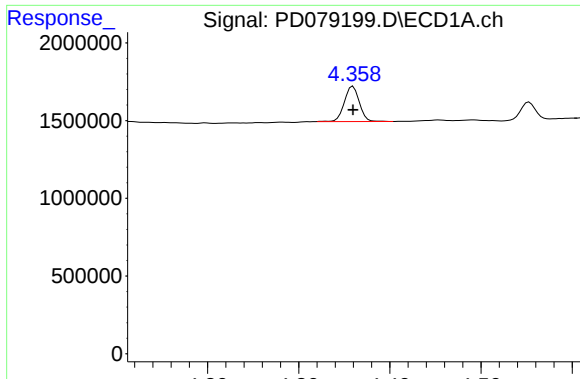
#2 alpha-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 2648712
Conc: 0.99 ng/ml



#2 alpha-BHC

R.T.: 3.309 min
Delta R.T.: 0.000 min
Response: 3612154
Conc: 1.04 ng/ml



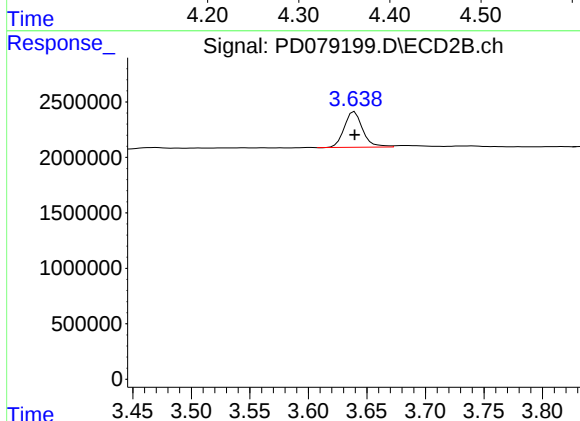
#3 gamma-BHC (Lindane)

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2593911
Conc: 1.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT4-2023

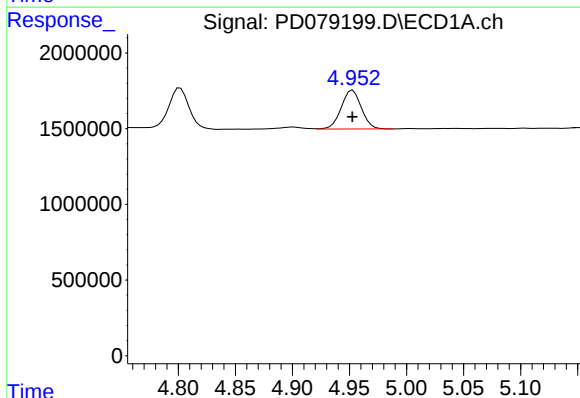
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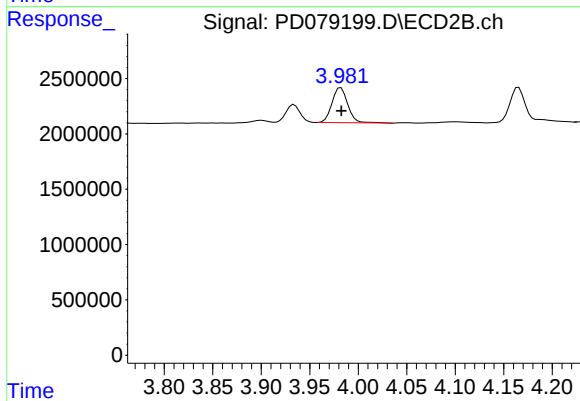
#3 gamma-BHC (Lindane)

R.T.: 3.640 min
Delta R.T.: 0.000 min
Response: 3506454
Conc: 1.03 ng/ml



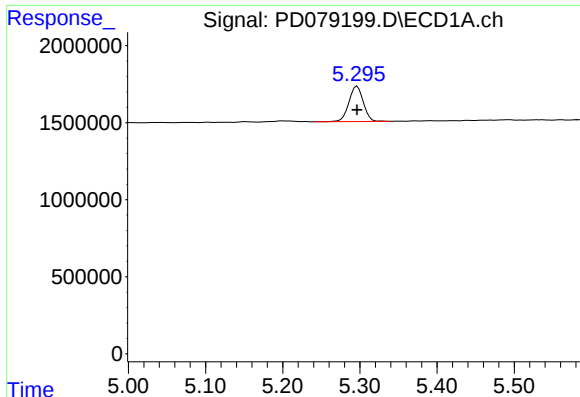
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 3143099
Conc: 1.18 ng/ml



#4 Heptachlor

R.T.: 3.982 min
Delta R.T.: 0.000 min
Response: 3591013
Conc: 1.18 ng/ml



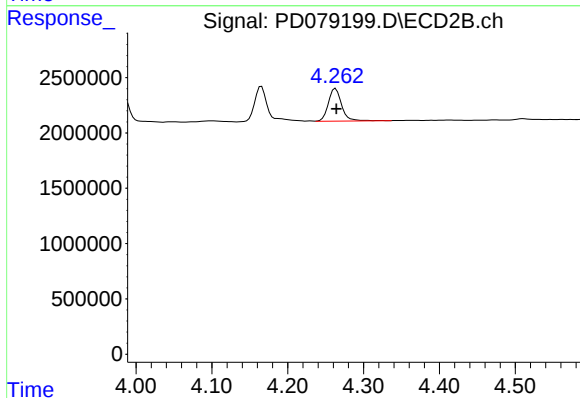
#5 Aldrin

R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 2955354
Conc: 1.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
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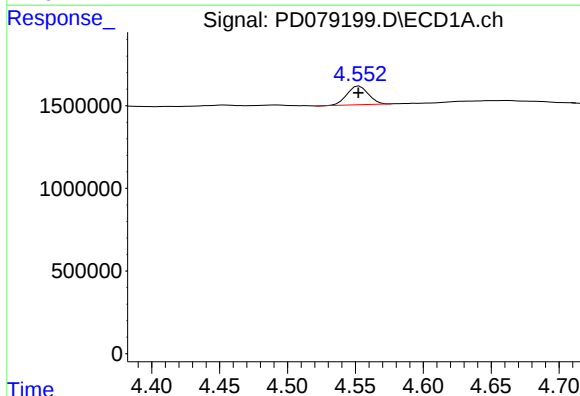
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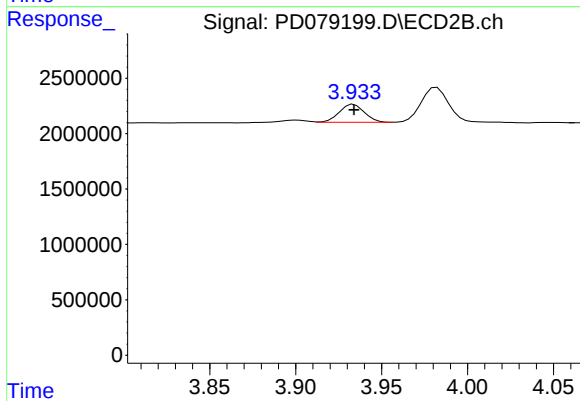
#5 Aldrin

R.T.: 4.263 min
Delta R.T.: -0.001 min
Response: 3575454
Conc: 1.09 ng/ml



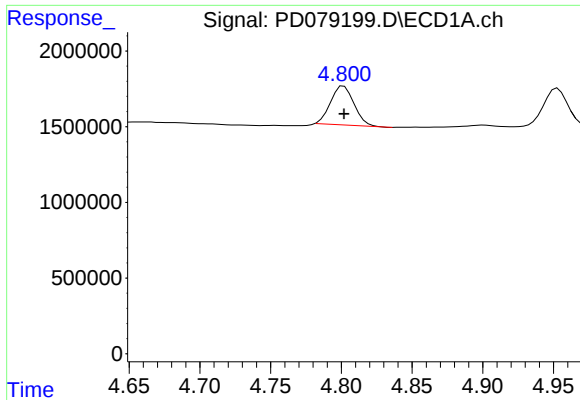
#6 beta-BHC

R.T.: 4.553 min
Delta R.T.: 0.000 min
Response: 1235603
Conc: 1.15 ng/ml



#6 beta-BHC

R.T.: 3.933 min
Delta R.T.: -0.001 min
Response: 1648356
Conc: 1.17 ng/ml m



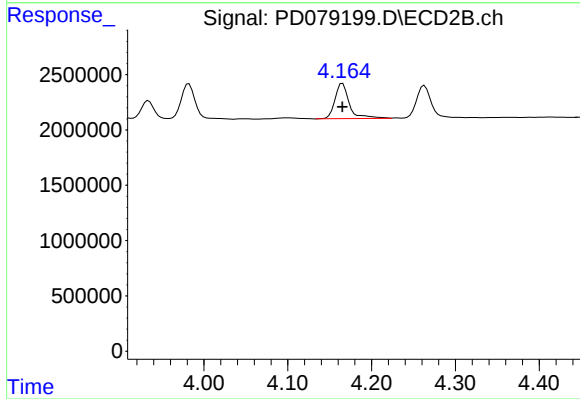
#7 delta-BHC

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 2971556
Conc: 1.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT4-2023

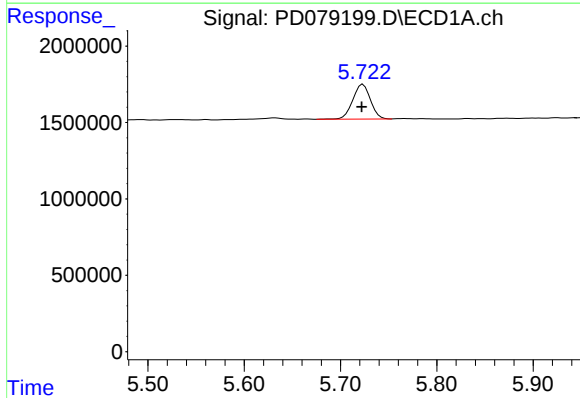
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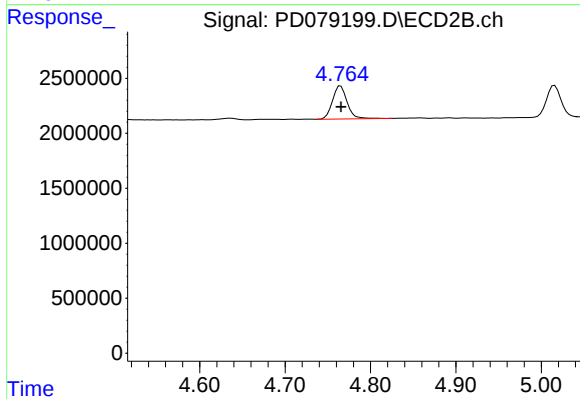
#7 delta-BHC

R.T.: 4.165 min
Delta R.T.: 0.000 min
Response: 3804184
Conc: 1.14 ng/ml



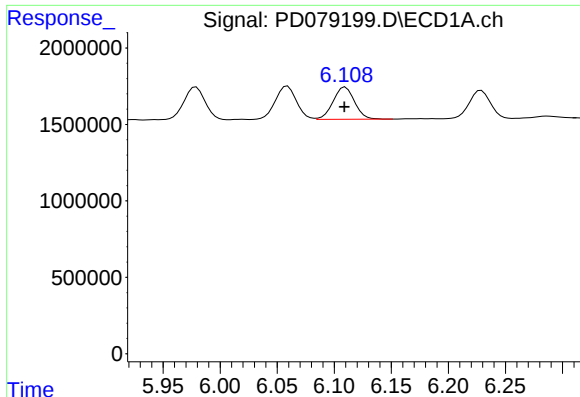
#8 Heptachlor epoxide

R.T.: 5.723 min
Delta R.T.: 0.001 min
Response: 2889043
Conc: 1.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 3558706
Conc: 1.20 ng/ml



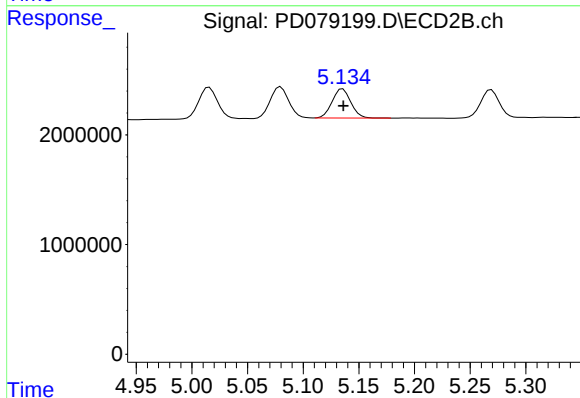
#9 Endosulfan I

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 2756374
Conc: 1.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT4-2023

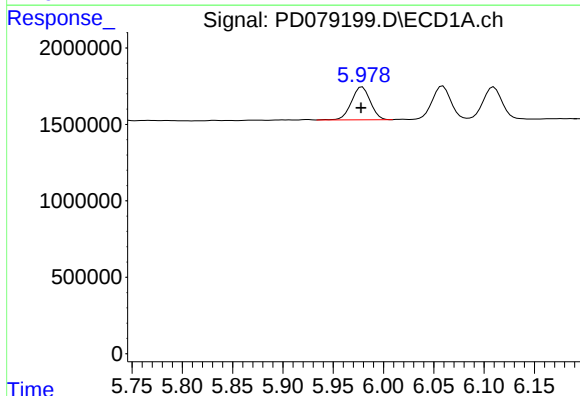
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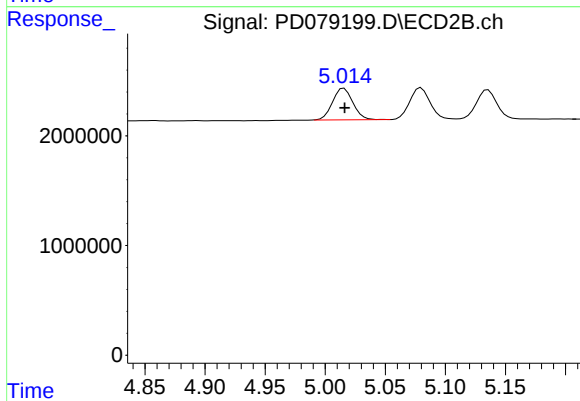
#9 Endosulfan I

R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 3092631
Conc: 1.17 ng/ml



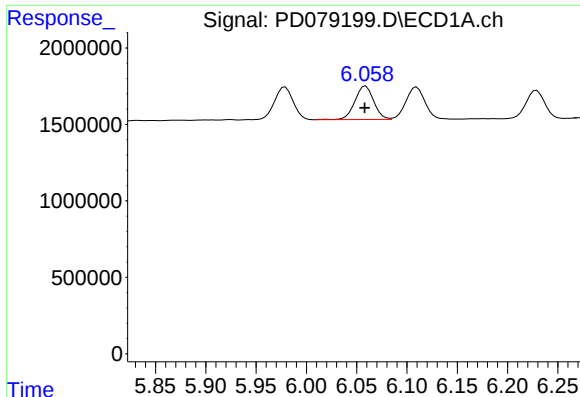
#10 gamma-Chlordane

R.T.: 5.979 min
Delta R.T.: 0.001 min
Response: 2816636
Conc: 1.23 ng/ml



#10 gamma-Chlordane

R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 3406508
Conc: 1.19 ng/ml



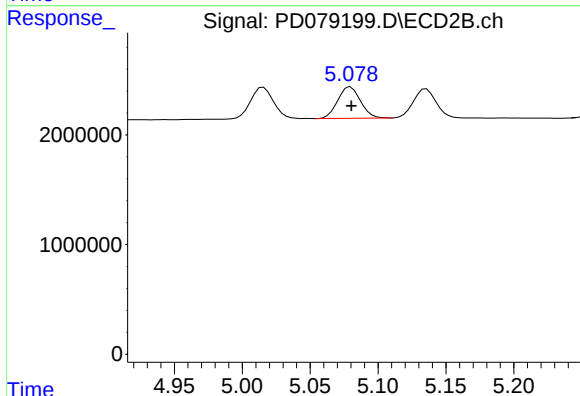
#11 alpha-Chlordane

R.T.: 6.059 min
Delta R.T.: 0.001 min
Response: 2850464
Conc: 1.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT4-2023

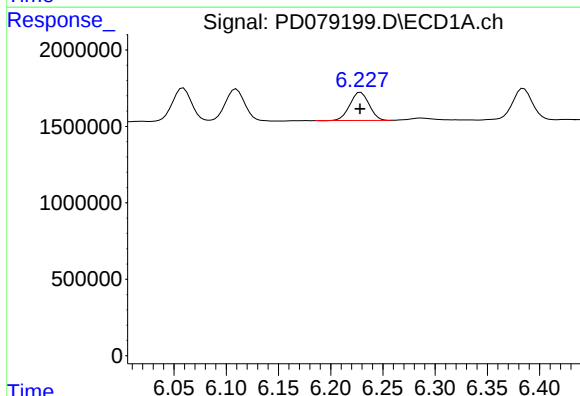
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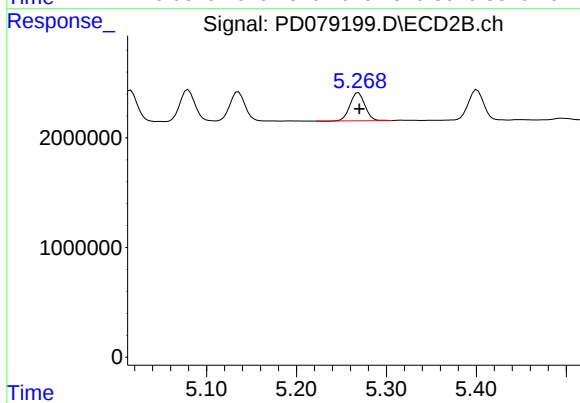
#11 alpha-Chlordane

R.T.: 5.080 min
Delta R.T.: 0.000 min
Response: 3352731
Conc: 1.17 ng/ml



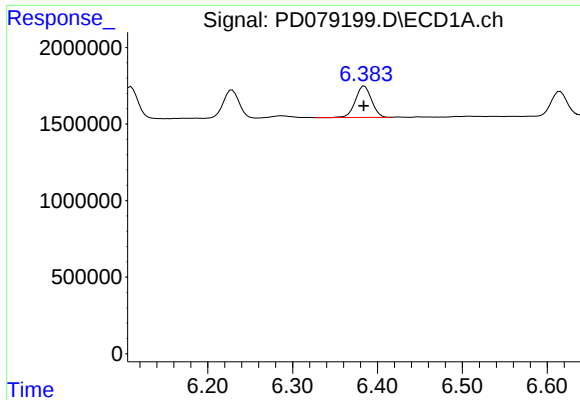
#12 4,4'-DDE

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 2369342
Conc: 1.12 ng/ml



#12 4,4'-DDE

R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 2958720
Conc: 1.11 ng/ml



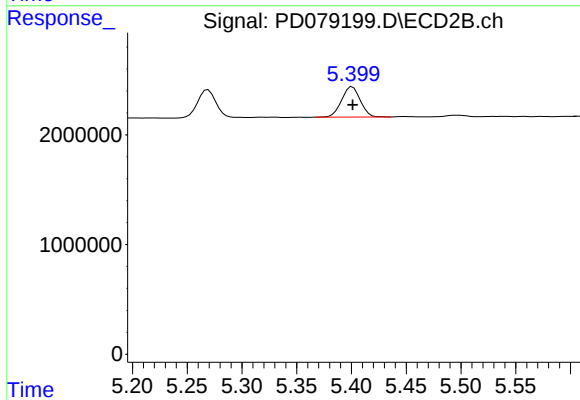
#13 Dieldrin

R.T.: 6.385 min
Delta R.T.: 0.000 min
Response: 2701507
Conc: 1.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT4-2023

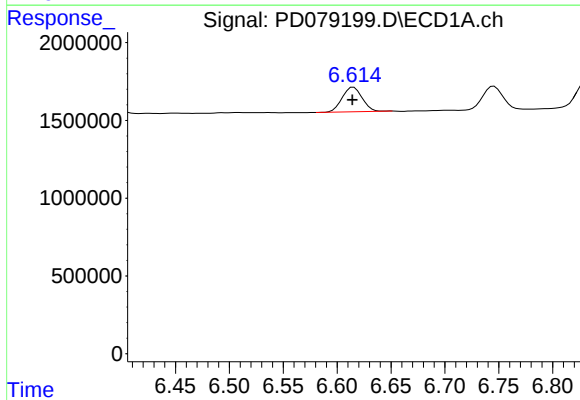
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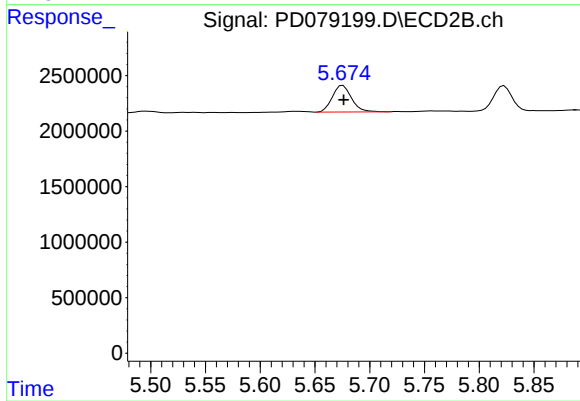
#13 Dieldrin

R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 3273812
Conc: 1.10 ng/ml



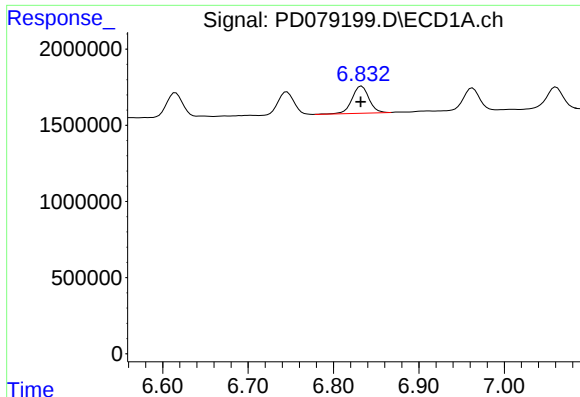
#14 Endrin

R.T.: 6.615 min
Delta R.T.: 0.001 min
Response: 2050456
Conc: 1.05 ng/ml



#14 Endrin

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 2921027
Conc: 1.14 ng/ml



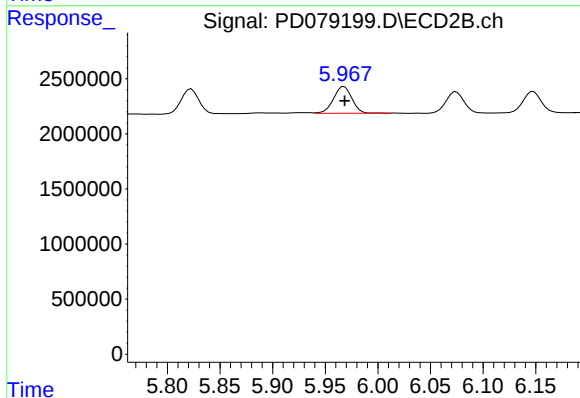
#15 Endosulfan II

R.T.: 6.833 min
Delta R.T.: 0.001 min
Response: 2431336
Conc: 1.19 ng/ml

Instrument :
ECD_D
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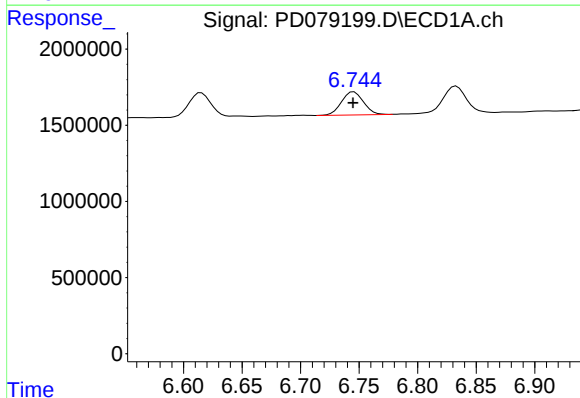
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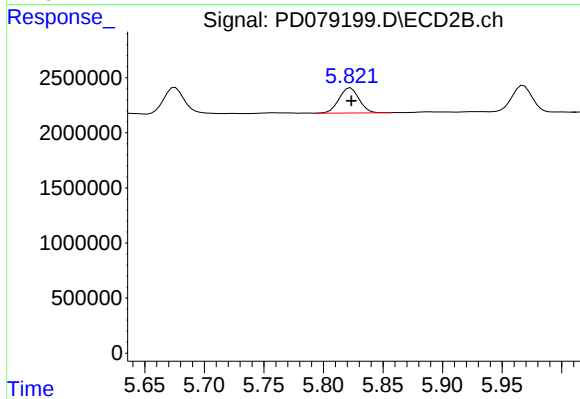
#15 Endosulfan II

R.T.: 5.968 min
Delta R.T.: 0.000 min
Response: 2947538
Conc: 1.18 ng/ml



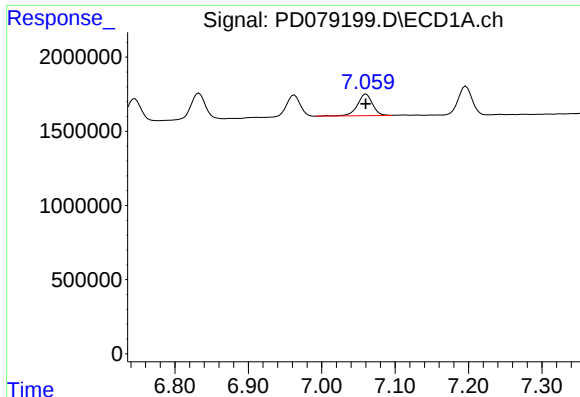
#16 4,4'-DDD

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 1980225
Conc: 1.13 ng/ml



#16 4,4'-DDD

R.T.: 5.823 min
Delta R.T.: 0.000 min
Response: 2699703
Conc: 1.18 ng/ml



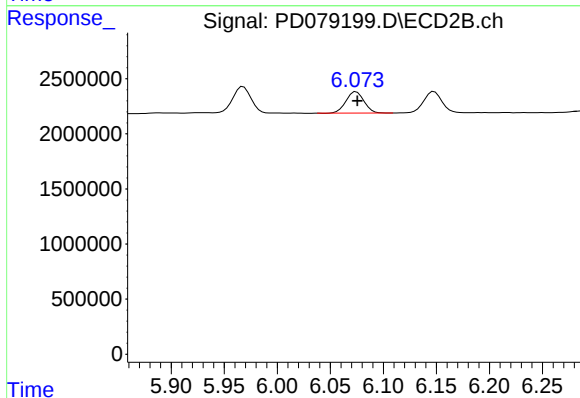
#17 4,4'-DDT

R.T.: 7.061 min
Delta R.T.: 0.000 min
Response: 2064541
Conc: 1.09 ng/ml

Instrument :
ECD_D
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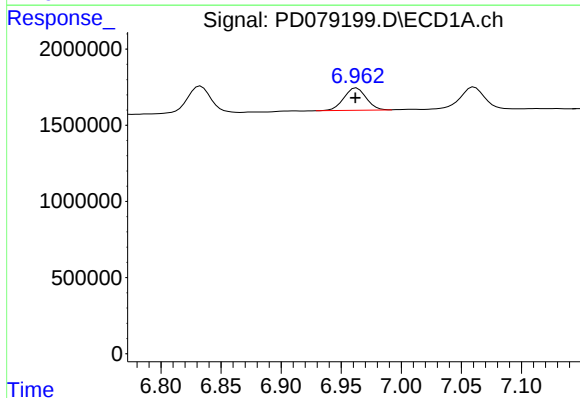
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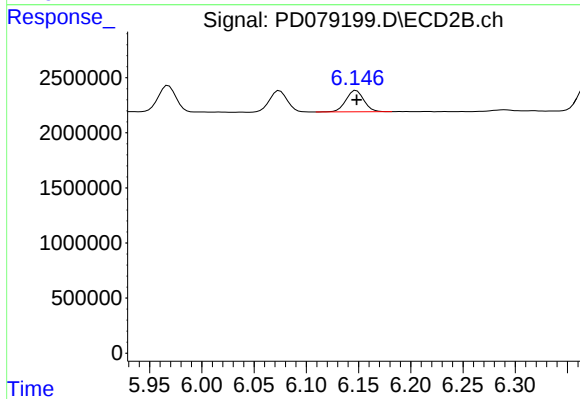
#17 4,4'-DDT

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 2292272
Conc: 1.00 ng/ml



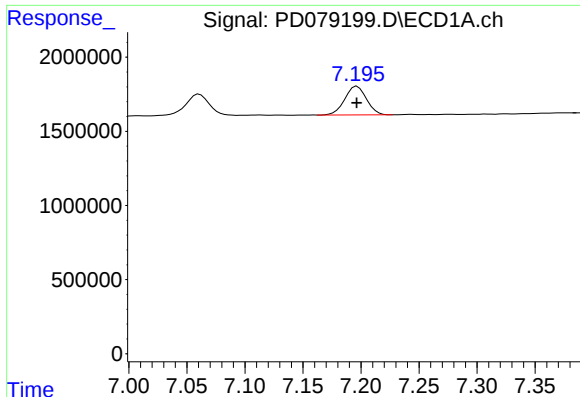
#18 Endrin aldehyde

R.T.: 6.962 min
Delta R.T.: 0.000 min
Response: 1891368
Conc: 1.22 ng/ml m



#18 Endrin aldehyde

R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 2306640
Conc: 1.24 ng/ml



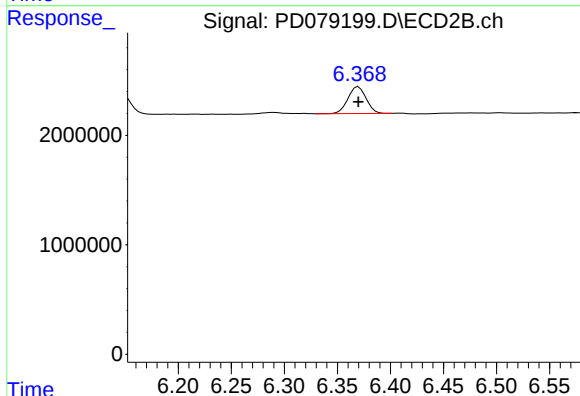
#19 Endosulfan Sulfate

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 2516274
Conc: 1.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT4-2023

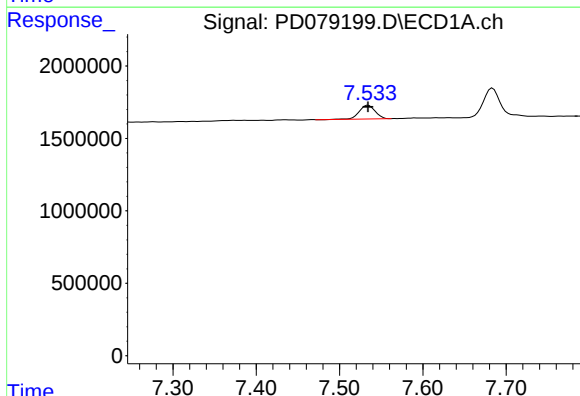
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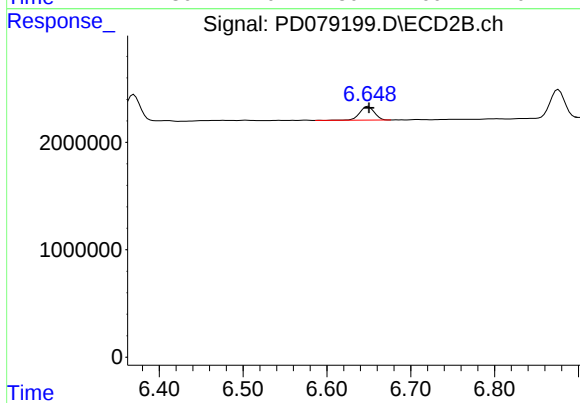
#19 Endosulfan Sulfate

R.T.: 6.370 min
Delta R.T.: 0.000 min
Response: 2943813
Conc: 1.26 ng/ml



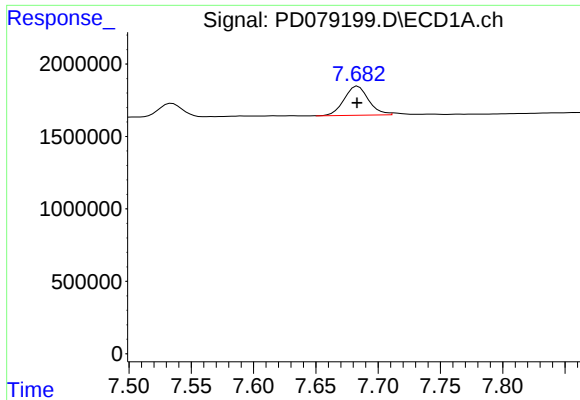
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: 0.000 min
Response: 1255007
Conc: 1.15 ng/ml



#20 Methoxychlor

R.T.: 6.649 min
Delta R.T.: 0.000 min
Response: 1554372
Conc: 1.14 ng/ml



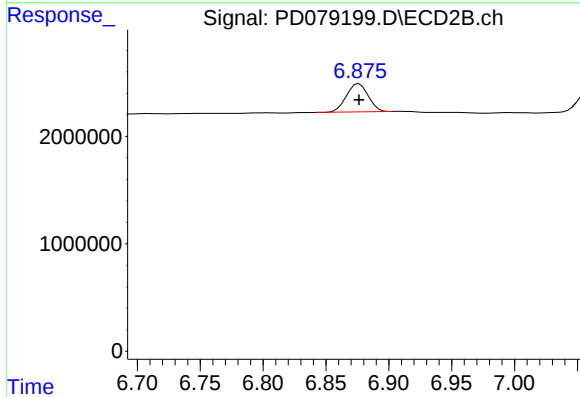
#21 Endrin ketone

R.T.: 7.682 min
Delta R.T.: 0.000 min
Response: 2751999
Conc: 1.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT4-2023

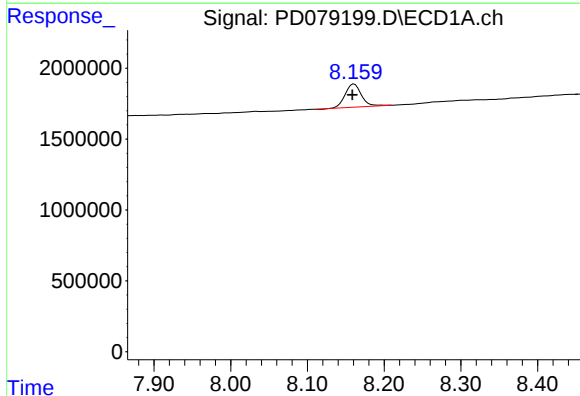
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/30/2023
Supervised By :mohammad ahmed 10/30/2023



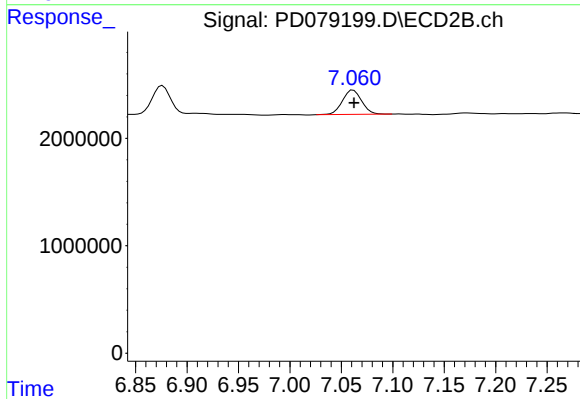
#21 Endrin ketone

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 3164072
Conc: 1.13 ng/ml



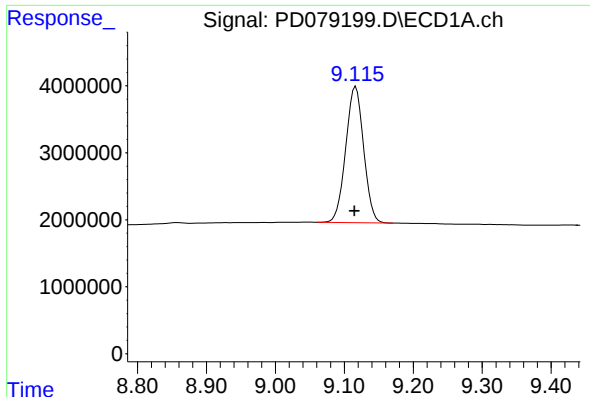
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.002 min
Response: 2399648
Conc: 1.42 ng/ml



#22 Mirex

R.T.: 7.062 min
Delta R.T.: 0.000 min
Response: 2960364
Conc: 1.39 ng/ml



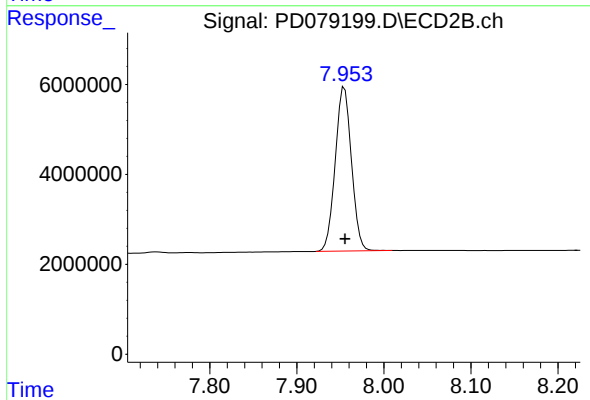
#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: 0.002 min
Response: 36644756
Conc: 18.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-WATER-03-QT4-2023

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.955 min
Delta R.T.: 0.000 min
Response: 47271324
Conc: 19.39 ng/ml