

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102723\
 Data File : PD079198.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2023 11:50
 Operator : AR\AJ
 Sample : 04699-03
 Misc : PEST MDL 1PPB
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MDL-SOIL-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 22:06:34 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	28528222	42746127	17.669	18.463
28)	SA Decachlor...	9.117	7.955	37650263	48271388	18.769	19.804
Target Compounds							
2)	A alpha-BHC	4.027	3.309	2547799	3579166	0.957	1.032
3)	MA gamma-BHC...	4.360	3.640	2449135	3537191	0.942	1.042
4)	MA Heptachlor	4.953	3.983	3085083	3467747	1.153	1.135
5)	MB Aldrin	5.296	4.264	2826683	3375140	1.097	1.032
6)	B beta-BHC	4.553	3.933	1221722	1617585	1.140	1.148m
7)	B delta-BHC	4.802	4.166	3135457	3515660	1.171	1.050
8)	B Heptachlo...	5.723	4.766	2779493	3359979	1.186	1.133
9)	A Endosulfan I	6.110	5.136	2586978	3038356	1.193	1.148
10)	B gamma-Chl...	5.979	5.016	2705567	3243392	1.180	1.130
11)	B alpha-Chl...	6.059	5.080	2714239	3263348	1.190	1.137
12)	B 4,4'-DDE	6.229	5.269	2292699	2868812	1.085	1.078
13)	MA Dieldrin	6.385	5.400	2594185	3141959	1.114	1.058
14)	MA Endrin	6.616	5.675	2017852	2846256	1.036	1.112
15)	B Endosulfa...	6.833	5.968	2426281	2881226	1.190	1.154
16)	A 4,4'-DDD	6.746	5.823	1922077	2610005	1.093	1.143
17)	MA 4,4'-DDT	7.062	6.075	1961325	2215745	1.036	0.968
18)	B Endrin al...	6.963	6.148	1735623	2208463	1.124	1.188
19)	B Endosulfa...	7.197	6.370	2487326	2874317	1.251	1.231
20)	A Methoxychlor	7.536	6.650	1262617	1489674	1.152	1.097
21)	B Endrin ke...	7.683	6.877	2688873	3187294	1.233m	1.140
22)	Mirex	8.161	7.062	2227836	2825579	1.316	1.323

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

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Data File : PD079198.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2023 11:50
Operator : AR\AJ
Sample : 04699-03
Misc : PEST MDL 1PPB
ALS Vial : 9 Sample Multiplier: 1

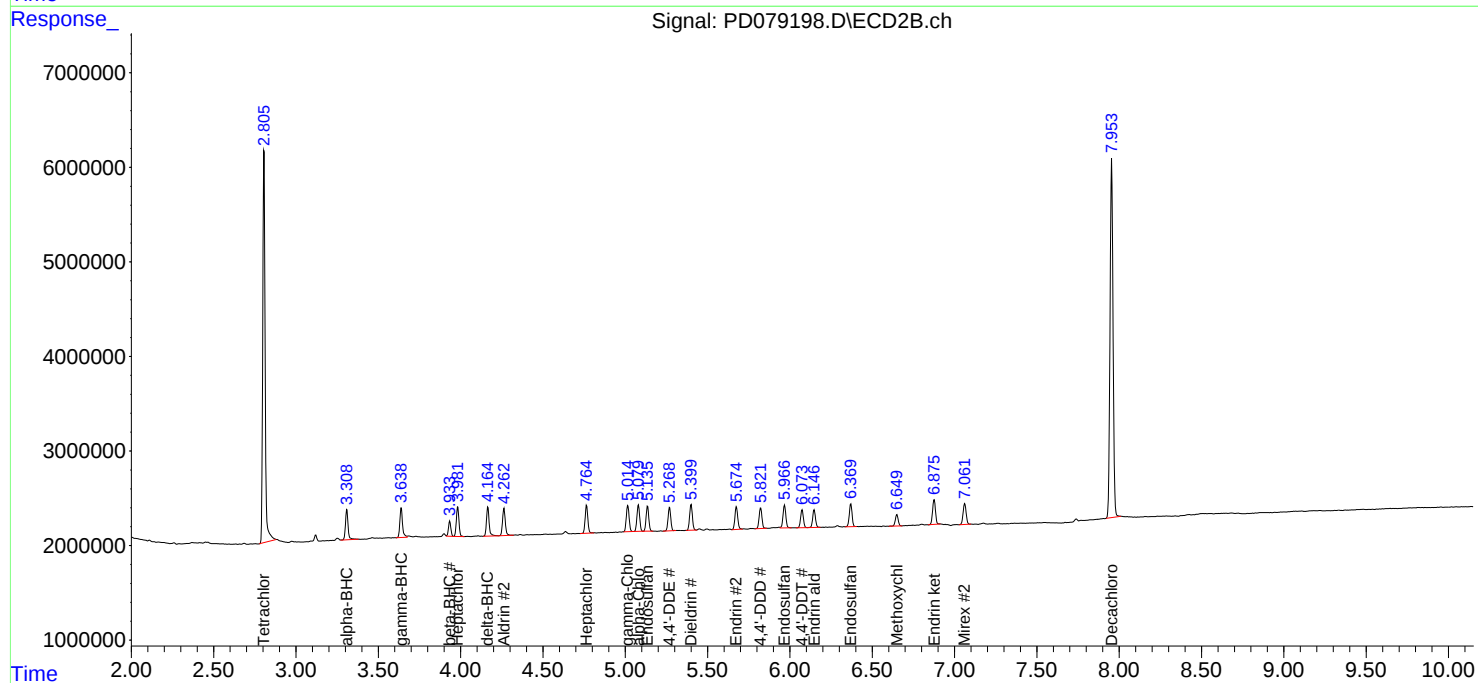
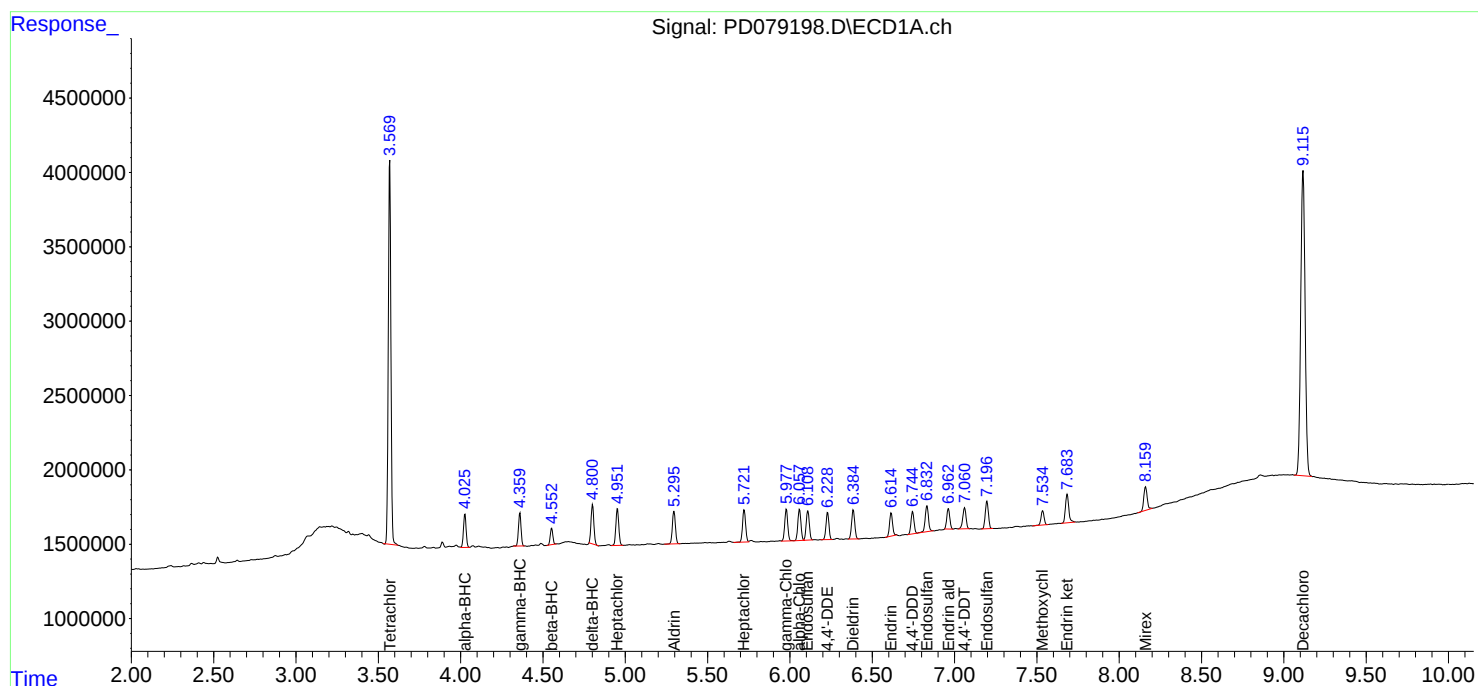
Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT4-2023

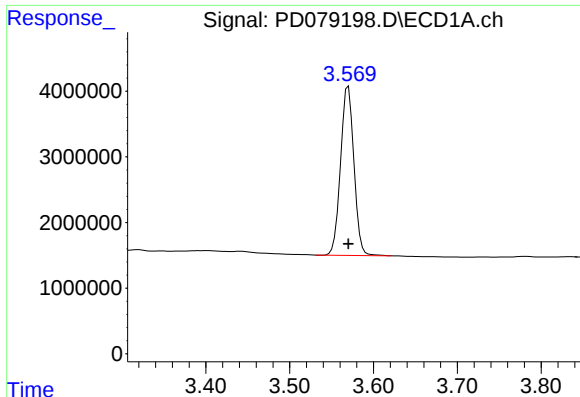
Manual Integrations
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Reviewed By : Abdul Mirza 10/30/2023
Supervised By : mohammad ahmed 10/30/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 27 22:06:34 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD102023.M
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





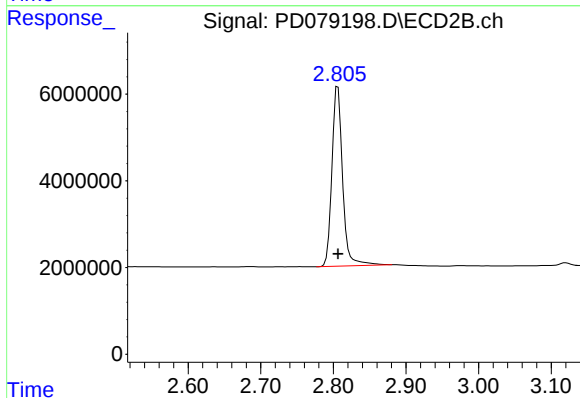
#1 Tetrachloro-m-xylene

R.T.: 3.570 min
Delta R.T.: 0.000 min
Response: 28528222
Conc: 17.67 ng/ml

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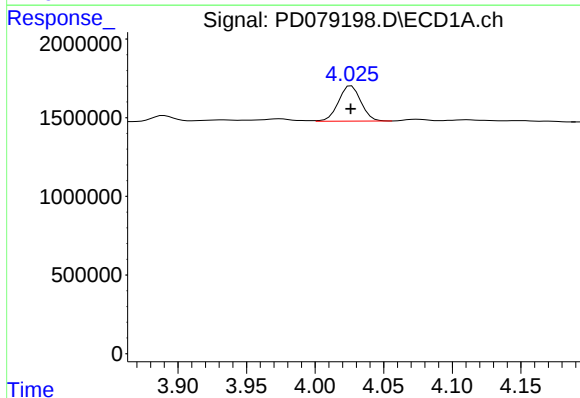
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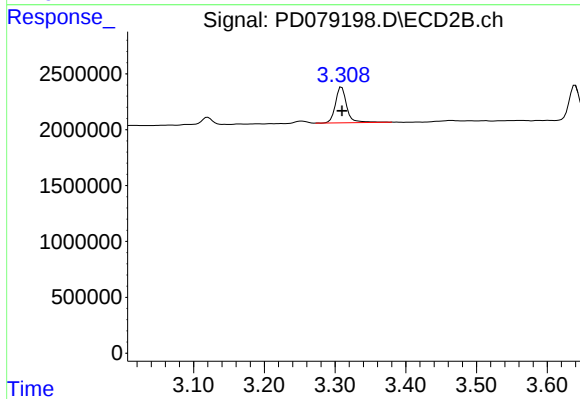
#1 Tetrachloro-m-xylene

R.T.: 2.806 min
Delta R.T.: 0.000 min
Response: 42746127
Conc: 18.46 ng/ml



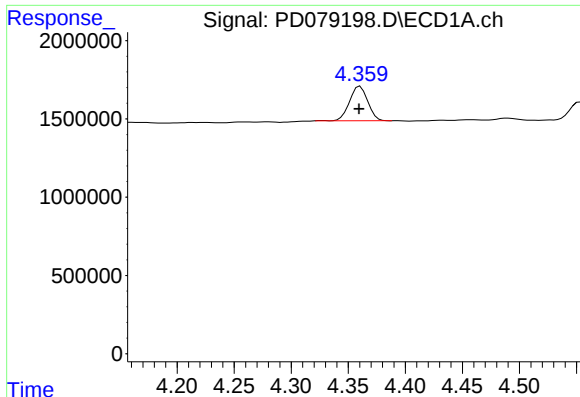
#2 alpha-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 2547799
Conc: 0.96 ng/ml



#2 alpha-BHC

R.T.: 3.309 min
Delta R.T.: 0.000 min
Response: 3579166
Conc: 1.03 ng/ml



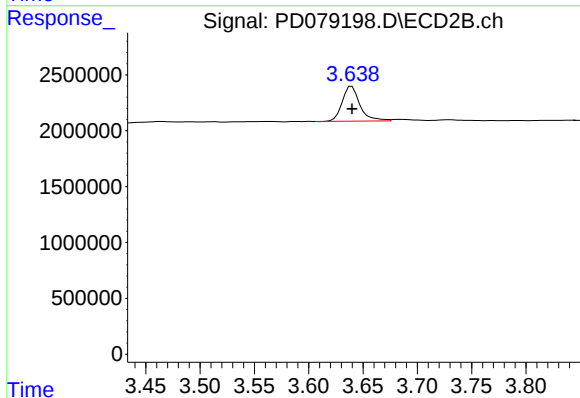
#3 gamma-BHC (Lindane)

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2449135
Conc: 0.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
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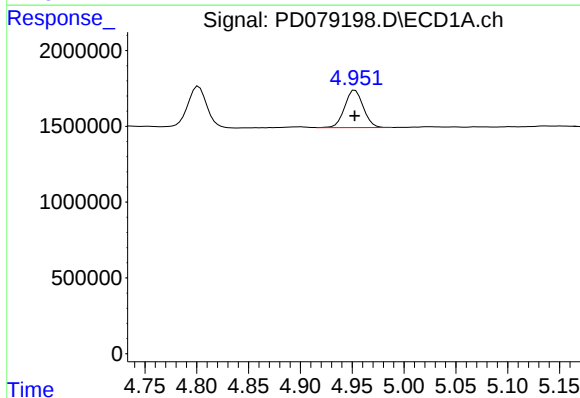
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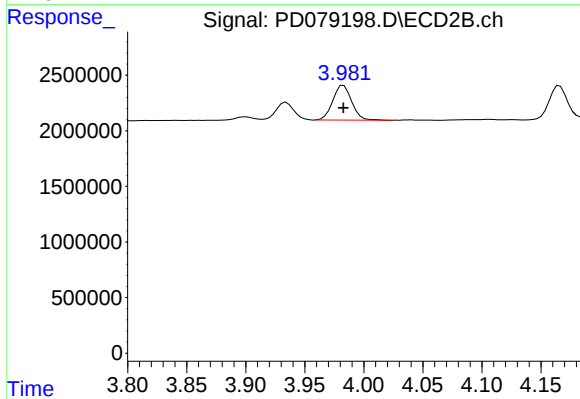
#3 gamma-BHC (Lindane)

R.T.: 3.640 min
Delta R.T.: 0.000 min
Response: 3537191
Conc: 1.04 ng/ml



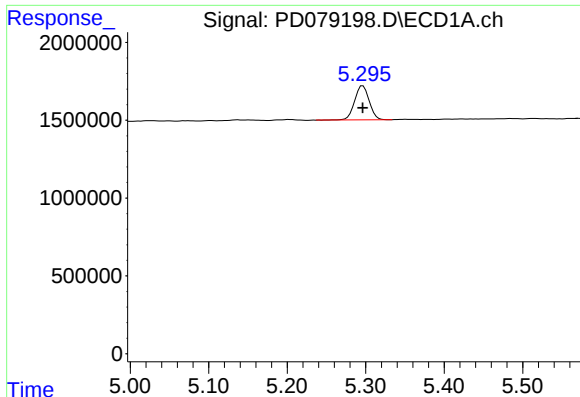
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: 0.000 min
Response: 3085083
Conc: 1.15 ng/ml



#4 Heptachlor

R.T.: 3.983 min
Delta R.T.: 0.000 min
Response: 3467747
Conc: 1.14 ng/ml



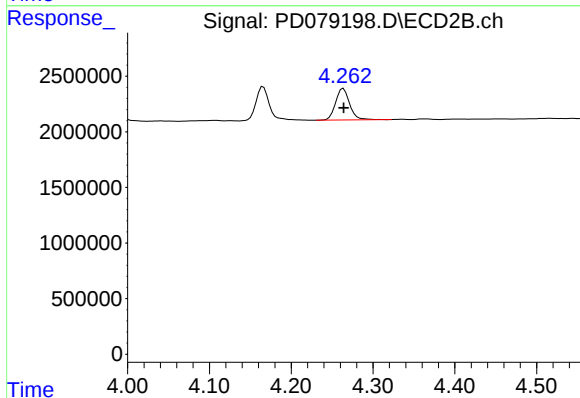
#5 Aldrin

R.T.: 5.296 min
Delta R.T.: 0.000 min
Response: 2826683
Conc: 1.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
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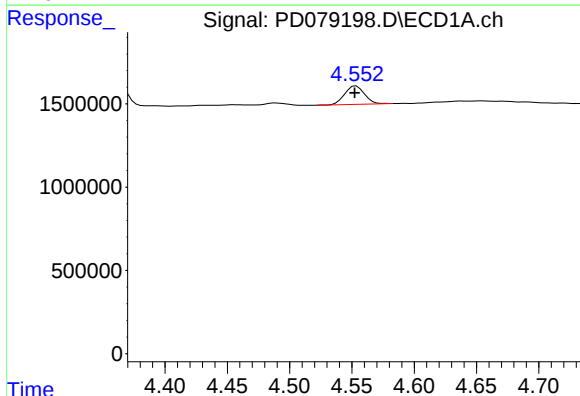
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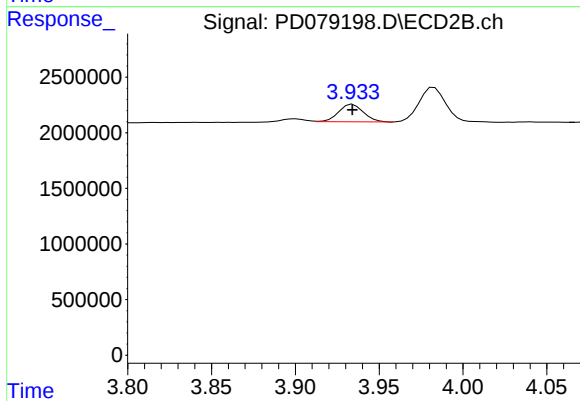
#5 Aldrin

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 3375140
Conc: 1.03 ng/ml



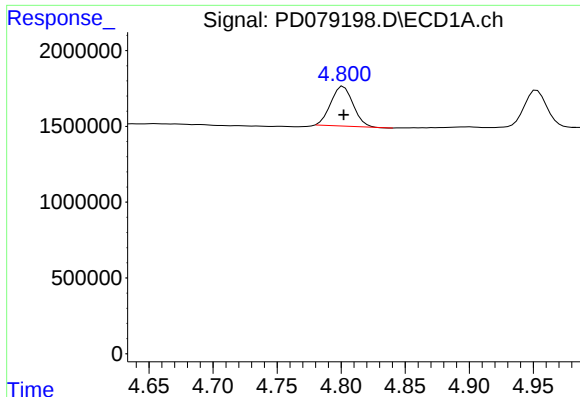
#6 beta-BHC

R.T.: 4.553 min
Delta R.T.: 0.001 min
Response: 1221722
Conc: 1.14 ng/ml



#6 beta-BHC

R.T.: 3.933 min
Delta R.T.: 0.000 min
Response: 1617585
Conc: 1.15 ng/ml m



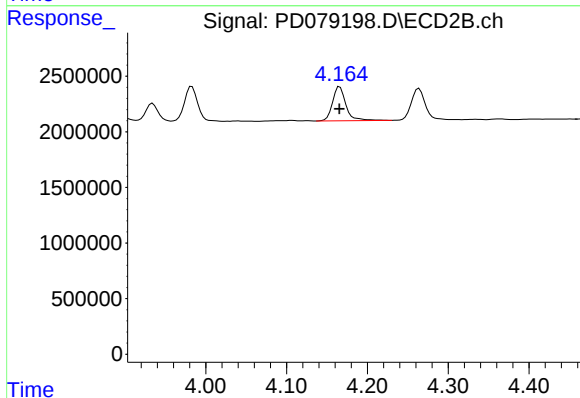
#7 delta-BHC

R.T.: 4.802 min
Delta R.T.: 0.000 min
Response: 3135457
Conc: 1.17 ng/ml

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

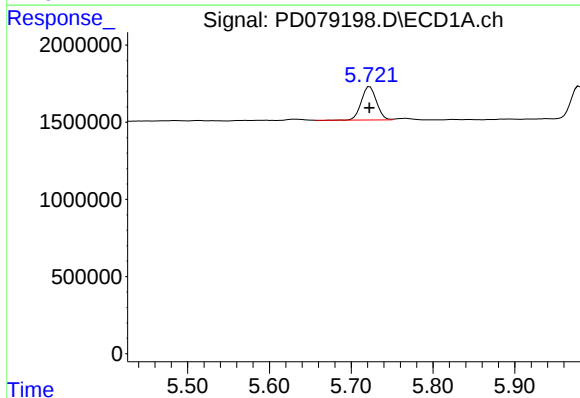
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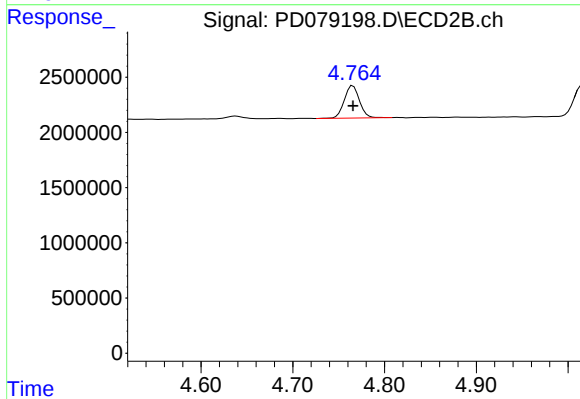
#7 delta-BHC

R.T.: 4.166 min
Delta R.T.: 0.000 min
Response: 3515660
Conc: 1.05 ng/ml



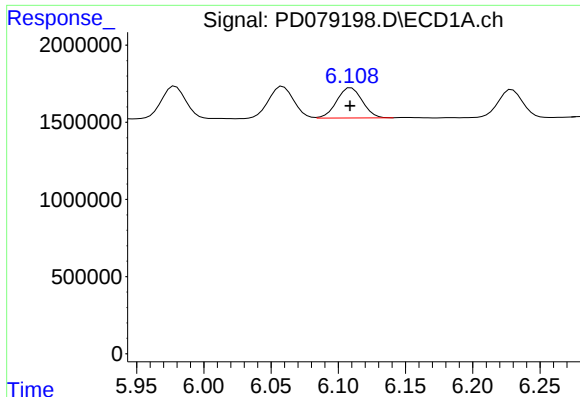
#8 Heptachlor epoxide

R.T.: 5.723 min
Delta R.T.: 0.000 min
Response: 2779493
Conc: 1.19 ng/ml



#8 Heptachlor epoxide

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 3359979
Conc: 1.13 ng/ml



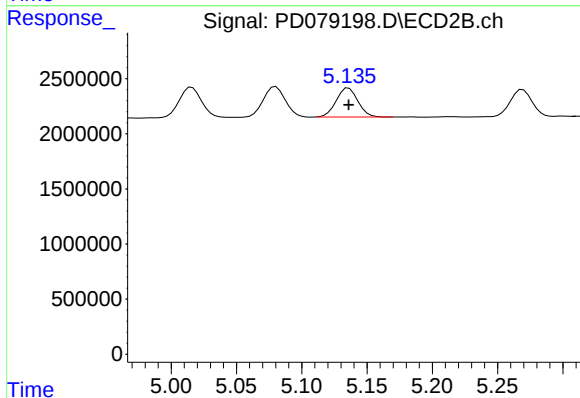
#9 Endosulfan I

R.T.: 6.110 min
Delta R.T.: 0.000 min
Response: 2586978
Conc: 1.19 ng/ml

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

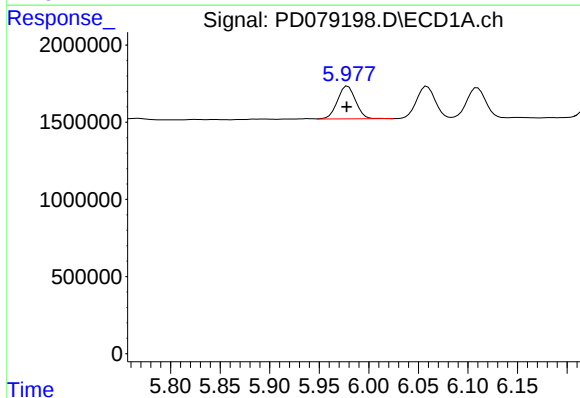
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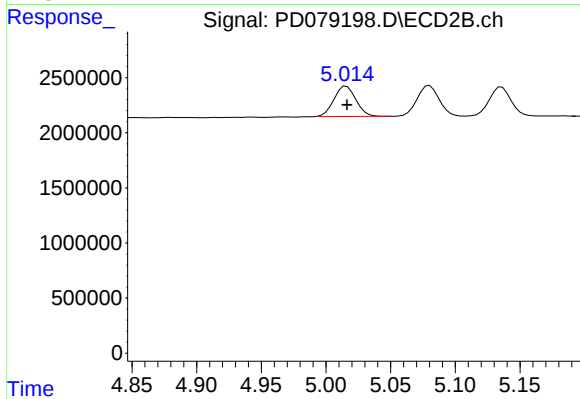
#9 Endosulfan I

R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 3038356
Conc: 1.15 ng/ml



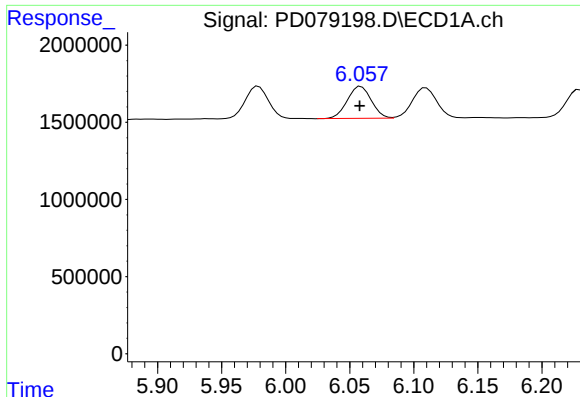
#10 gamma-Chlordane

R.T.: 5.979 min
Delta R.T.: 0.001 min
Response: 2705567
Conc: 1.18 ng/ml



#10 gamma-Chlordane

R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 3243392
Conc: 1.13 ng/ml



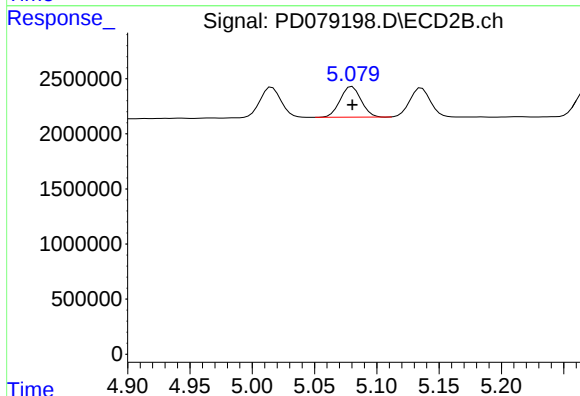
#11 alpha-Chlordane

R.T.: 6.059 min
Delta R.T.: 0.000 min
Response: 2714239
Conc: 1.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
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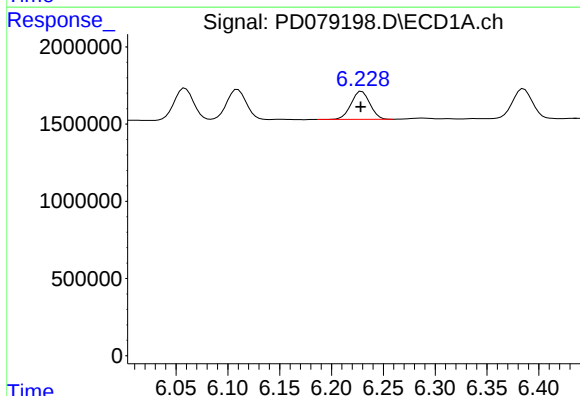
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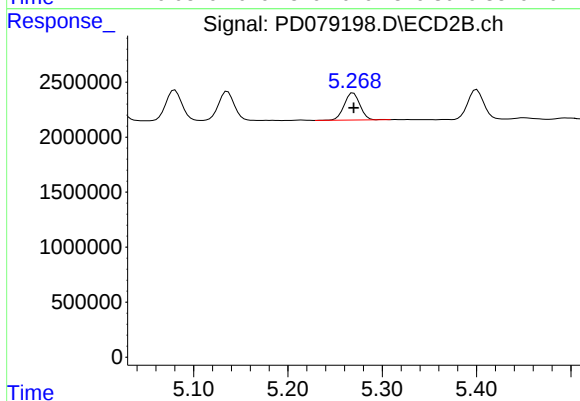
#11 alpha-Chlordane

R.T.: 5.080 min
Delta R.T.: 0.000 min
Response: 3263348
Conc: 1.14 ng/ml



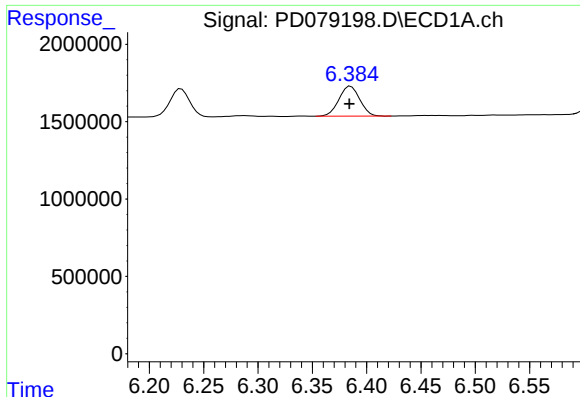
#12 4,4'-DDE

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 2292699
Conc: 1.09 ng/ml



#12 4,4'-DDE

R.T.: 5.269 min
Delta R.T.: 0.000 min
Response: 2868812
Conc: 1.08 ng/ml



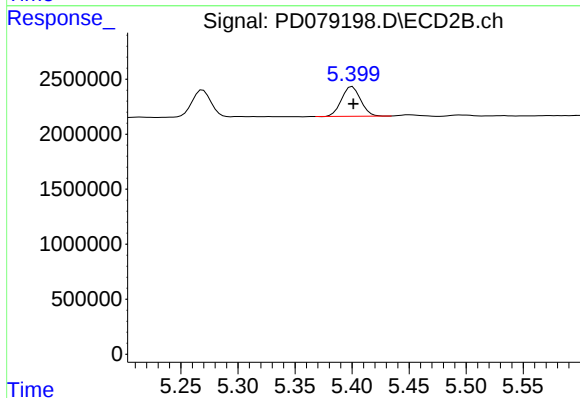
#13 Dieldrin

R.T.: 6.385 min
Delta R.T.: 0.001 min
Response: 2594185
Conc: 1.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
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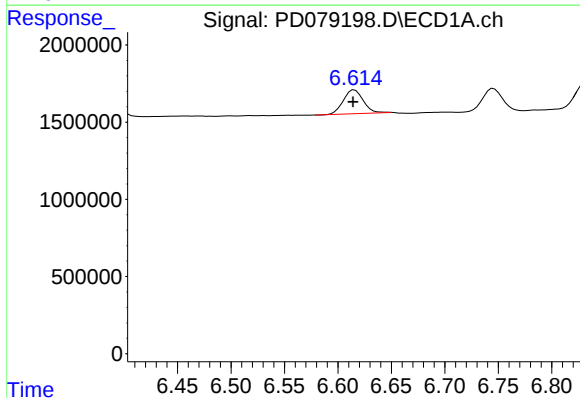
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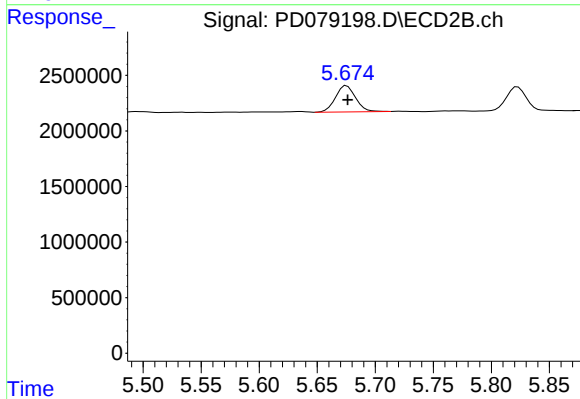
#13 Dieldrin

R.T.: 5.400 min
Delta R.T.: 0.000 min
Response: 3141959
Conc: 1.06 ng/ml



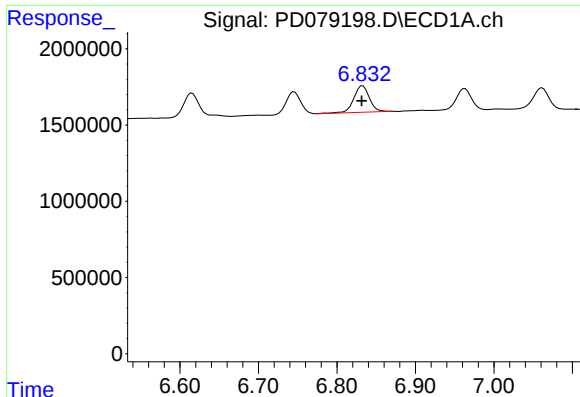
#14 Endrin

R.T.: 6.616 min
Delta R.T.: 0.001 min
Response: 2017852
Conc: 1.04 ng/ml



#14 Endrin

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 2846256
Conc: 1.11 ng/ml



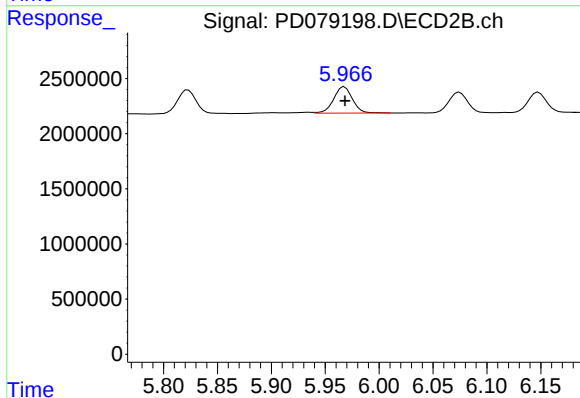
#15 Endosulfan II

R.T.: 6.833 min
Delta R.T.: 0.001 min
Response: 2426281
Conc: 1.19 ng/ml

Instrument :
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ClientSampleId :
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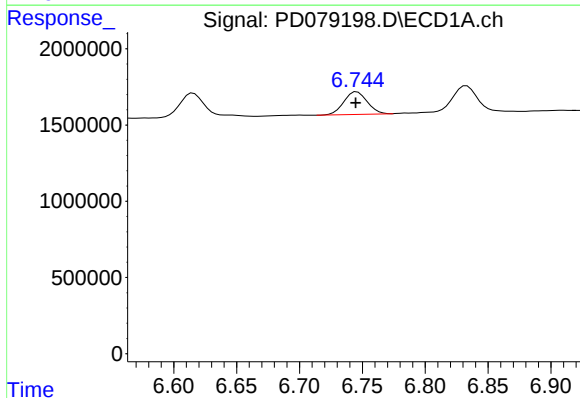
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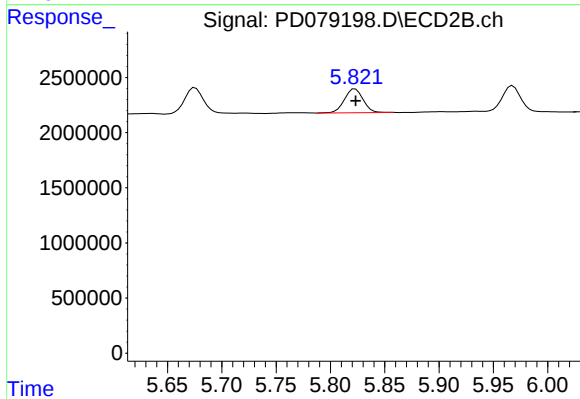
#15 Endosulfan II

R.T.: 5.968 min
Delta R.T.: 0.000 min
Response: 2881226
Conc: 1.15 ng/ml



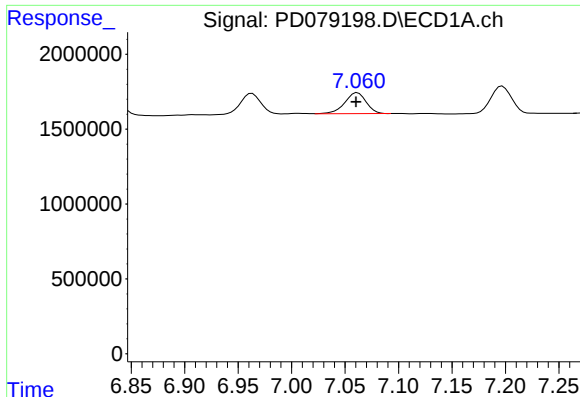
#16 4,4'-DDD

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 1922077
Conc: 1.09 ng/ml



#16 4,4'-DDD

R.T.: 5.823 min
Delta R.T.: 0.000 min
Response: 2610005
Conc: 1.14 ng/ml



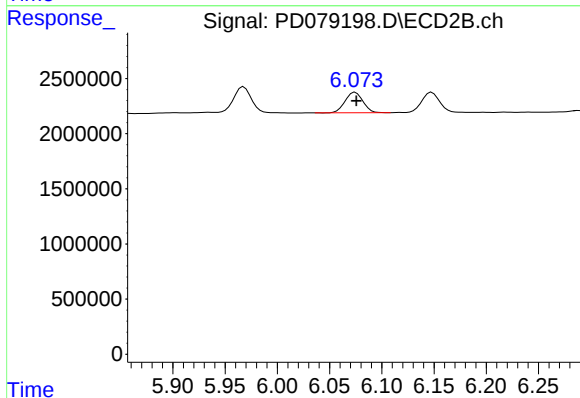
#17 4,4'-DDT

R.T.: 7.062 min
Delta R.T.: 0.002 min
Response: 1961325
Conc: 1.04 ng/ml

Instrument :
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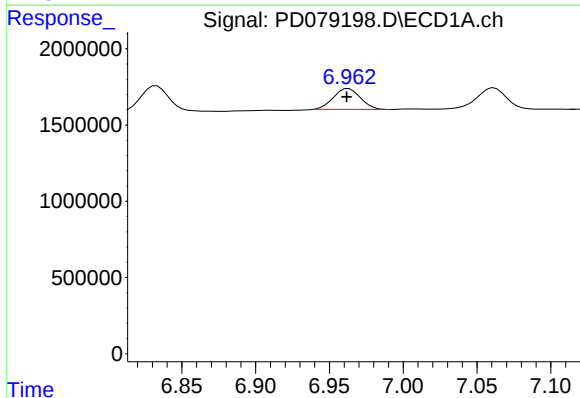
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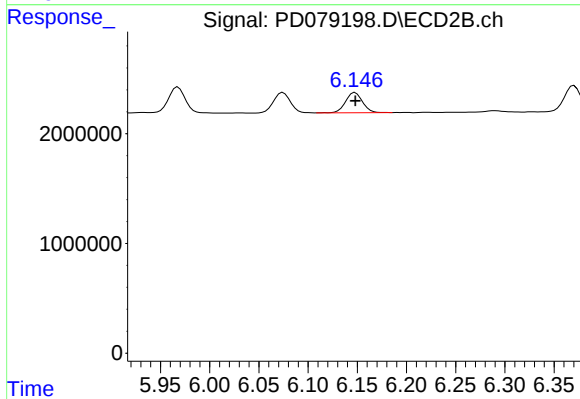
#17 4,4'-DDT

R.T.: 6.075 min
Delta R.T.: -0.001 min
Response: 2215745
Conc: 0.97 ng/ml



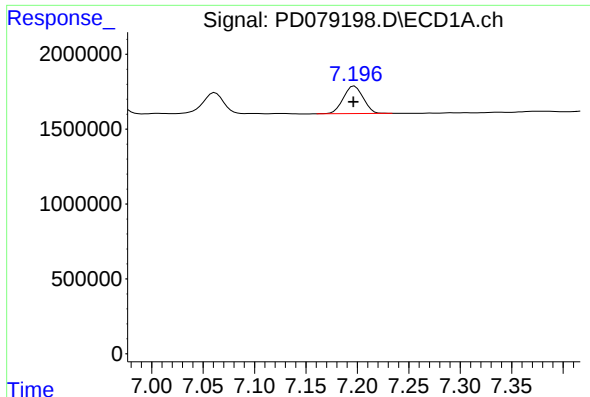
#18 Endrin aldehyde

R.T.: 6.963 min
Delta R.T.: 0.001 min
Response: 1735623
Conc: 1.12 ng/ml



#18 Endrin aldehyde

R.T.: 6.148 min
Delta R.T.: 0.000 min
Response: 2208463
Conc: 1.19 ng/ml



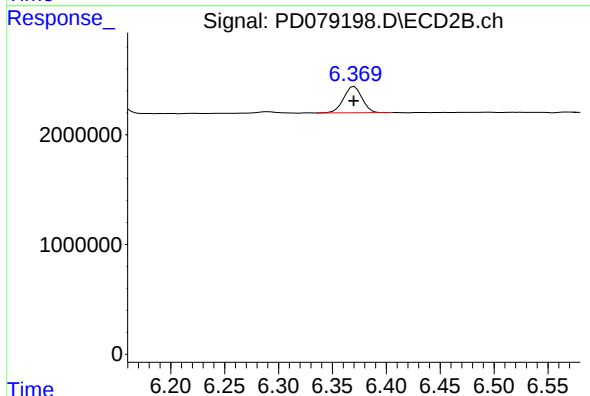
#19 Endosulfan Sulfate

R.T.: 7.197 min
Delta R.T.: 0.000 min
Response: 2487326
Conc: 1.25 ng/ml

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

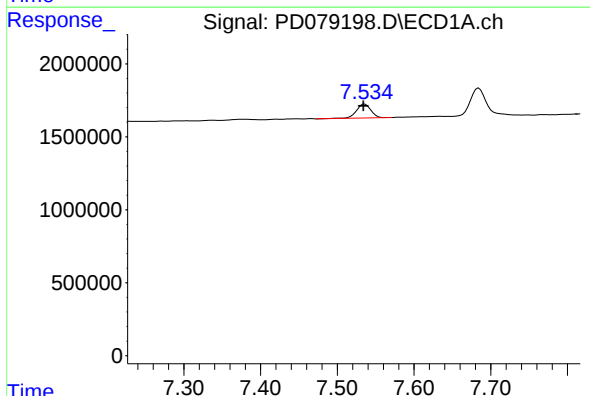
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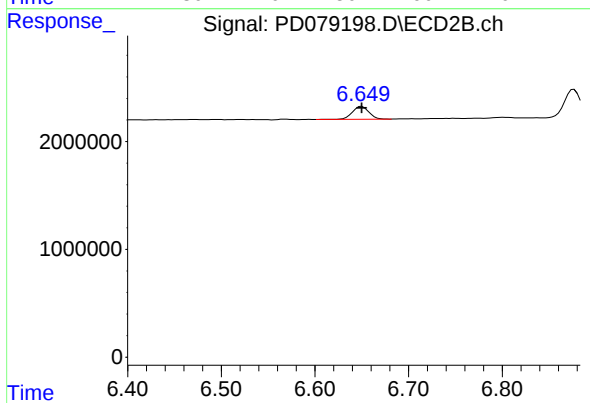
#19 Endosulfan Sulfate

R.T.: 6.370 min
Delta R.T.: 0.000 min
Response: 2874317
Conc: 1.23 ng/ml



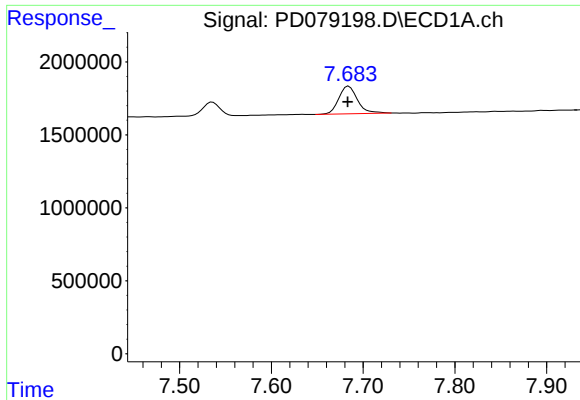
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: 0.002 min
Response: 1262617
Conc: 1.15 ng/ml



#20 Methoxychlor

R.T.: 6.650 min
Delta R.T.: 0.000 min
Response: 1489674
Conc: 1.10 ng/ml



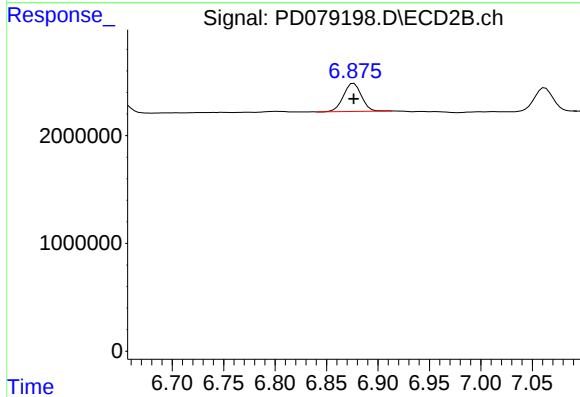
#21 Endrin ketone

R.T.: 7.683 min
Delta R.T.: 0.000 min
Response: 2688873
Conc: 1.23 ng/ml

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

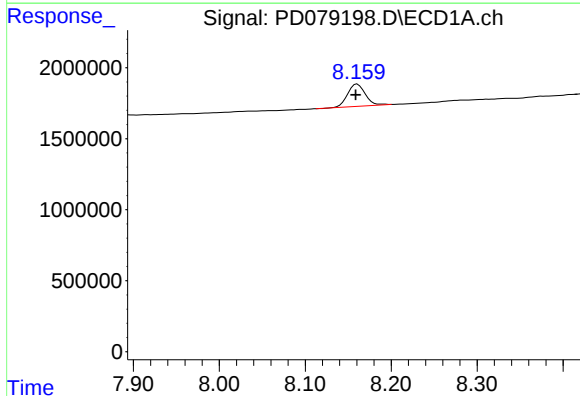
Manual Integrations
APPROVED

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



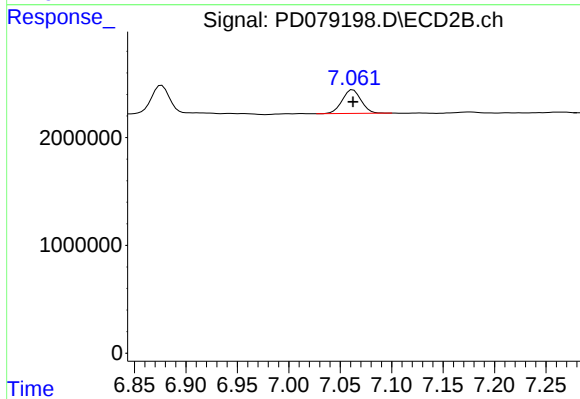
#21 Endrin ketone

R.T.: 6.877 min
Delta R.T.: 0.000 min
Response: 3187294
Conc: 1.14 ng/ml



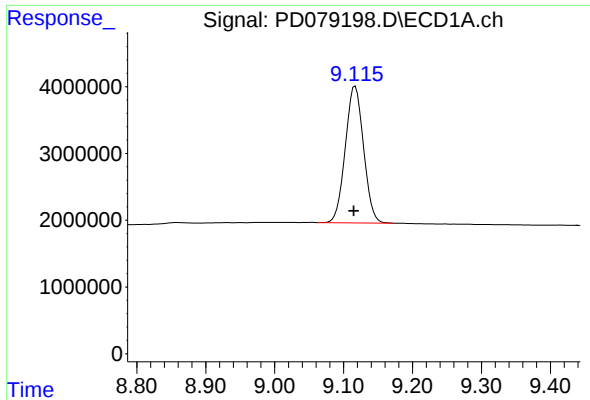
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.002 min
Response: 2227836
Conc: 1.32 ng/ml



#22 Mirex

R.T.: 7.062 min
Delta R.T.: 0.000 min
Response: 2825579
Conc: 1.32 ng/ml



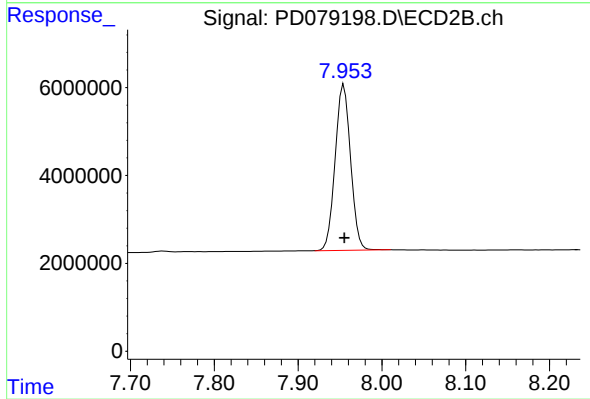
#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: 0.002 min
Response: 37650263
Conc: 18.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 7.955 min
Delta R.T.: 0.000 min
Response: 48271388
Conc: 19.80 ng/ml