

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD032023\
 Data File : PD074292.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Mar 2023 13:36
 Operator : AR\AJ
 Sample : 01627-03
 Misc : PEST MDL 1PPB SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/21/2023
 Supervised By : Ankita Jodhani 03/21/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 21:22:34 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD031423.M
 Quant Title : GC Extractables
 QLast Update : Wed Mar 15 12:23:31 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 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	2.771	40554999	22029171	17.386	18.101
28) SA Decachlor...	9.092	7.922	52975158	23196624	19.807	18.906
Target Compounds						
2) A alpha-BHC	4.005	3.274	3106744	1519929	0.801	0.818
3) MA gamma-BHC...	4.339	3.605	2887303	1485335	0.823	0.867
4) MA Heptachlor	4.931	3.946	3457216	1691723	1.009	0.992
5) MB Aldrin	5.275	4.227	3752842	1536935	1.114	0.911
6) B beta-BHC	4.534	3.899	1276794	1044839	0.864	1.384m#
7) B delta-BHC	4.780	4.131	3552281	1434651	1.294	0.843 #
8) B Heptachlo...	5.698	4.729	2300091	1458995	0.818m	0.950
9) A Endosulfan I	6.089	5.100	2918599	1328518	1.027	0.923
10) B gamma-Chl...	5.958	4.980	2865004	1551452	0.955	0.999
11) B alpha-Chl...	6.038	5.045	3111255	1512131	1.032	0.982
12) B 4,4'-DDE	6.209	5.234	2449543	1217447	0.888	0.863
13) MA Dieldrin	6.364	5.365	2917662	1358179	0.989	0.903
14) MA Endrin	6.594	5.641	2251485	1338457	0.906	1.024
15) B Endosulfa...	6.805	5.931	2673402	1610602	1.038m	1.280m
16) A 4,4'-DDD	6.727	5.788	2041130	1018395	0.910	0.872
17) MA 4,4'-DDT	7.040	6.040	2589268	1034520	1.016m	0.842
18) B Endrin al...	6.943	6.114	2414674	1539409	1.208	1.516 #
19) B Endosulfa...	7.178	6.336	2800234	1331420	1.134	1.091
20) A Methoxychlor	7.518	6.617	1713120	681999	1.224	1.008
21) B Endrin ke...	7.665	6.841	2981960	1585041	1.071	1.075m
22) Mirex	8.141	7.027	2953385	1299784	1.391	1.144

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD032023\
Data File : PD074292.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Mar 2023 13:36
Operator : AR\AJ
Sample : 01627-03
Misc : PEST MDL 1PPB SOIL
ALS Vial : 8 Sample Multiplier: 1

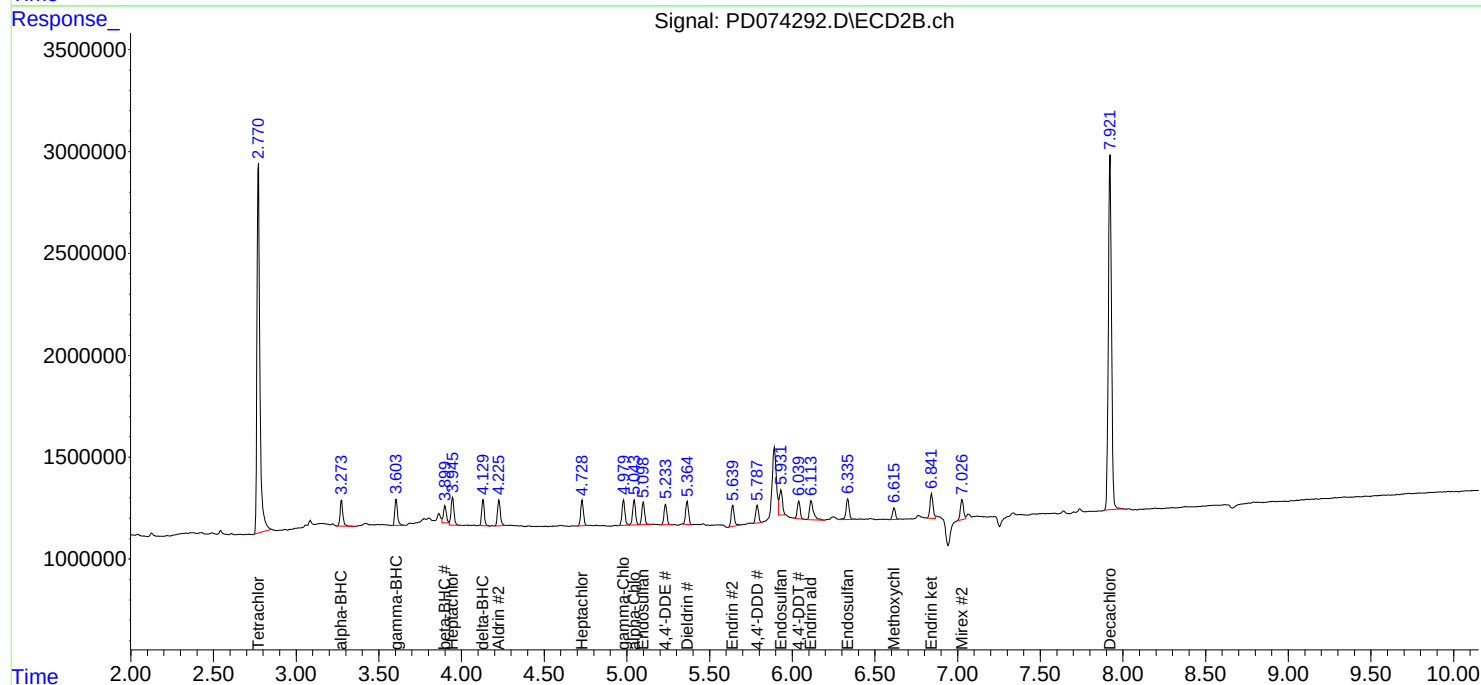
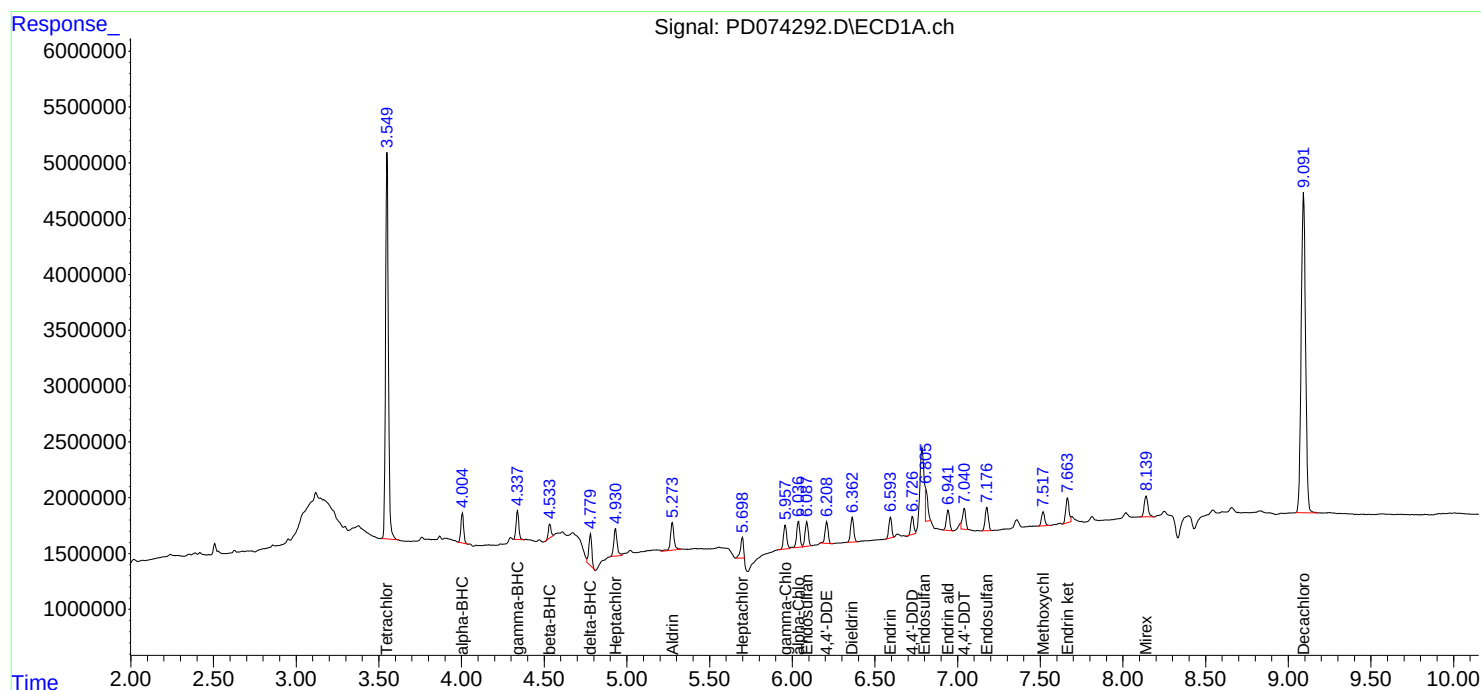
Instrument :
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ClientSampleId :
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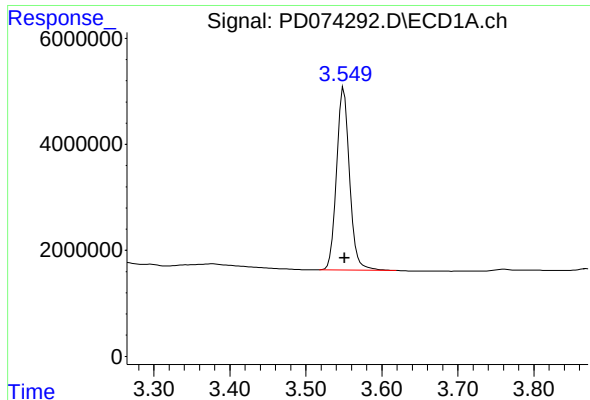
Manual Integrations
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Reviewed By :Abdul Mirza 03/21/2023
Supervised By :Ankita Jodhani 03/21/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 21:22:34 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD031423.M
Quant Title : GC Extractables
QLast Update : Wed Mar 15 12:23:31 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 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





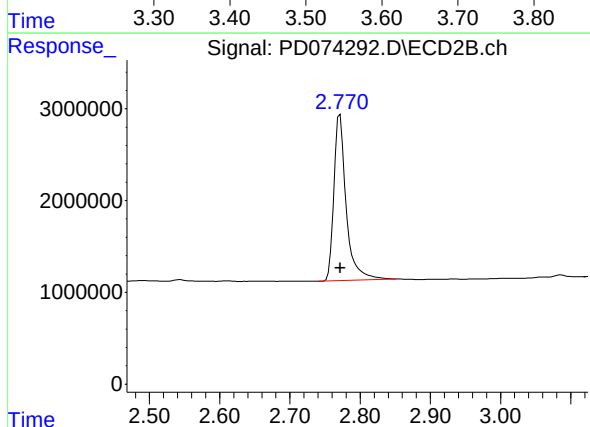
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.001 min
Response: 40554999
Conc: 17.39 ng/ml

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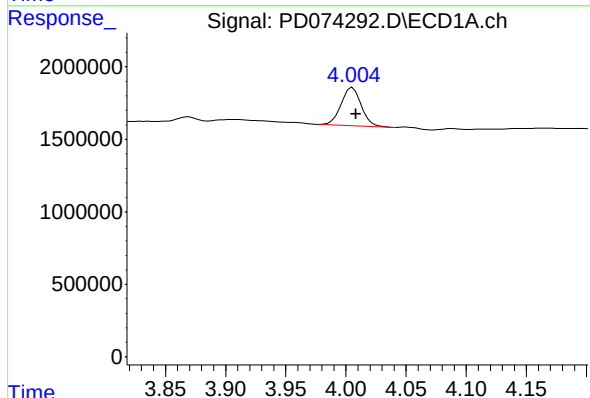
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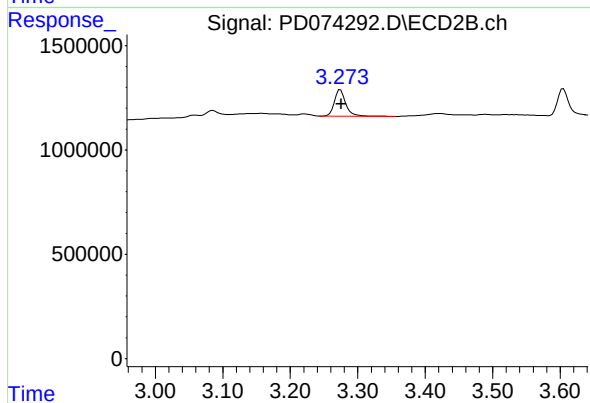
#1 Tetrachloro-m-xylene

R.T.: 2.771 min
Delta R.T.: 0.000 min
Response: 22029171
Conc: 18.10 ng/ml



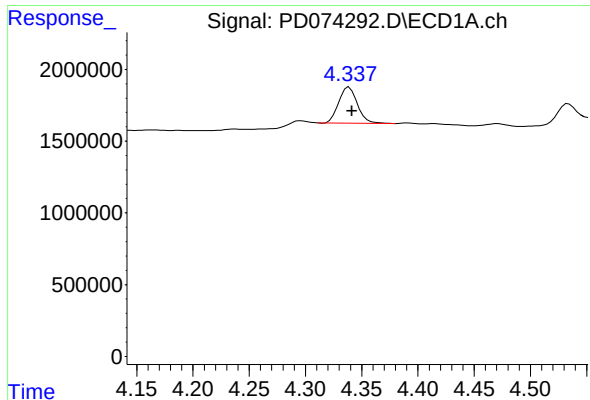
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: -0.003 min
Response: 3106744
Conc: 0.80 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: -0.002 min
Response: 1519929
Conc: 0.82 ng/ml



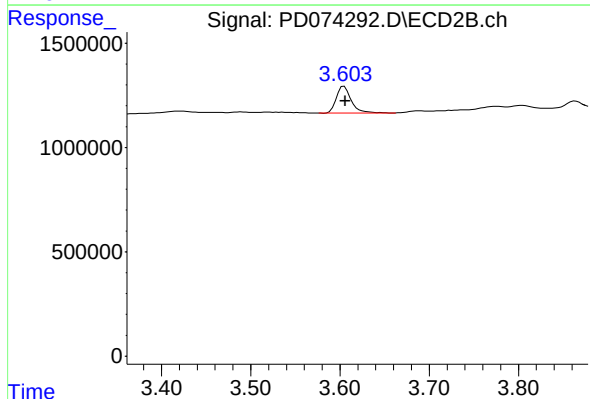
#3 gamma-BHC (Lindane)

R.T.: 4.339 min
Delta R.T.: -0.003 min
Response: 2887303
Conc: 0.82 ng/ml

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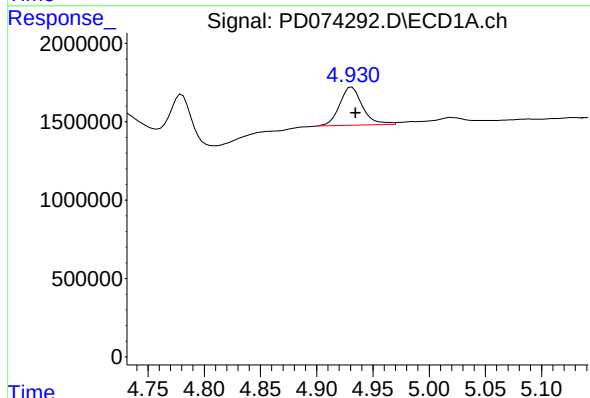
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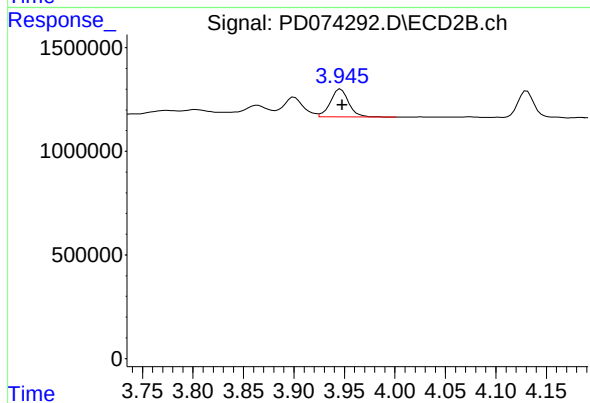
#3 gamma-BHC (Lindane)

R.T.: 3.605 min
Delta R.T.: -0.001 min
Response: 1485335
Conc: 0.87 ng/ml



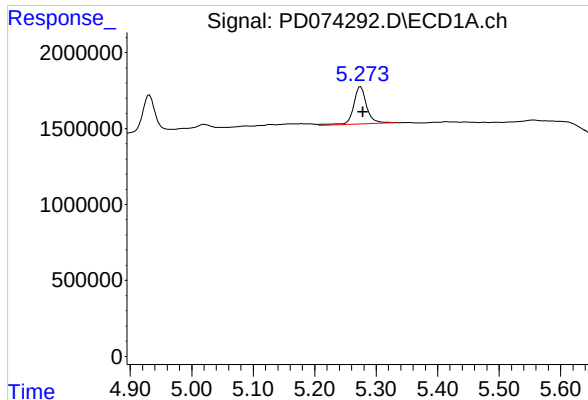
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: -0.003 min
Response: 3457216
Conc: 1.01 ng/ml



#4 Heptachlor

R.T.: 3.946 min
Delta R.T.: -0.002 min
Response: 1691723
Conc: 0.99 ng/ml



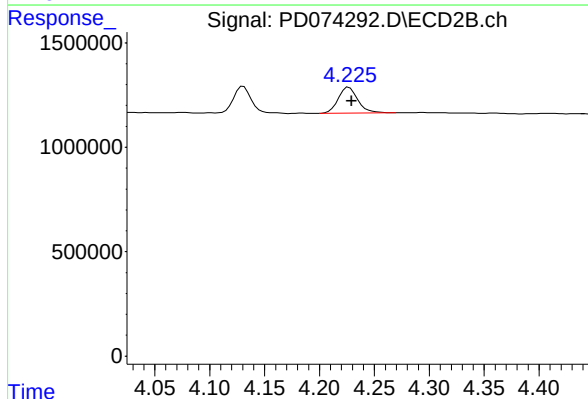
#5 Aldrin

R.T.: 5.275 min
Delta R.T.: -0.004 min
Response: 3752842
Conc: 1.11 ng/ml

Instrument :
ECD_D
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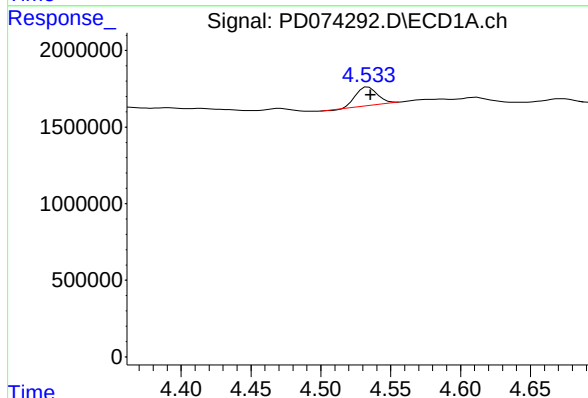
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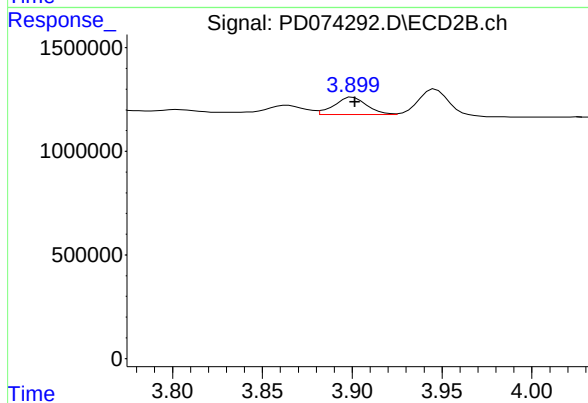
#5 Aldrin

R.T.: 4.227 min
Delta R.T.: -0.002 min
Response: 1536935
Conc: 0.91 ng/ml



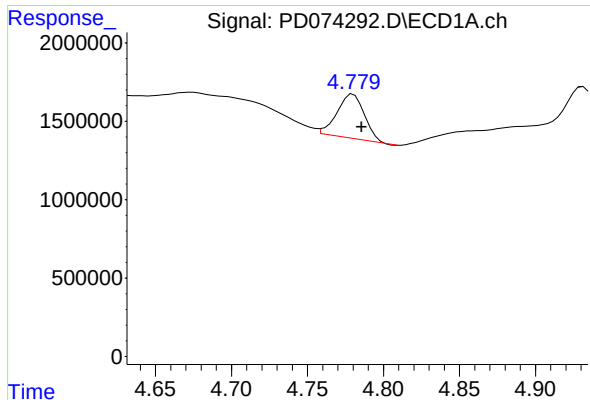
#6 beta-BHC

R.T.: 4.534 min
Delta R.T.: -0.002 min
Response: 1276794
Conc: 0.86 ng/ml



#6 beta-BHC

R.T.: 3.899 min
Delta R.T.: -0.003 min
Response: 1044839
Conc: 1.38 ng/ml m



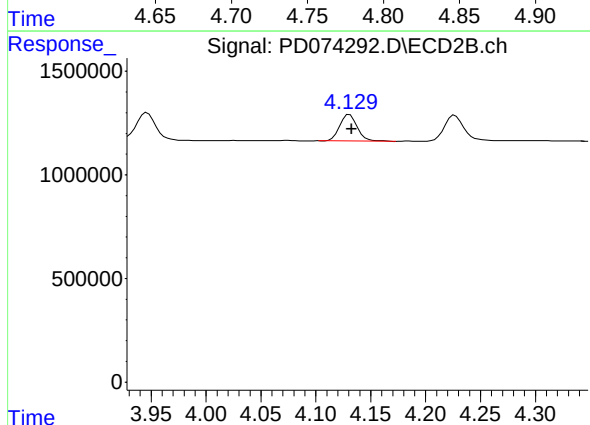
#7 delta-BHC

R.T.: 4.780 min
Delta R.T.: -0.006 min
Response: 3552281
Conc: 1.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

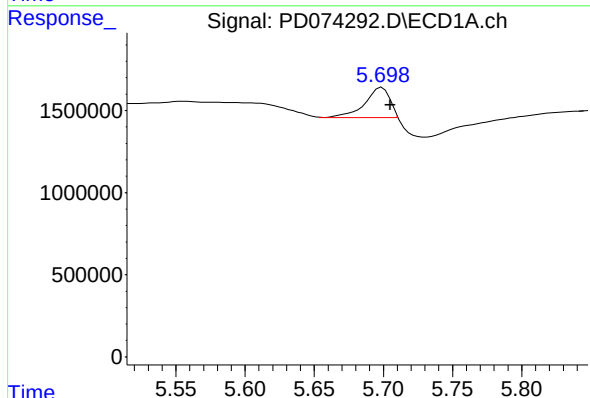
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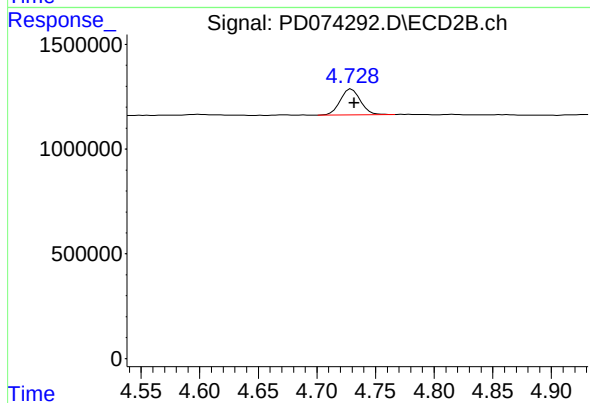
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.002 min
Response: 1434651
Conc: 0.84 ng/ml



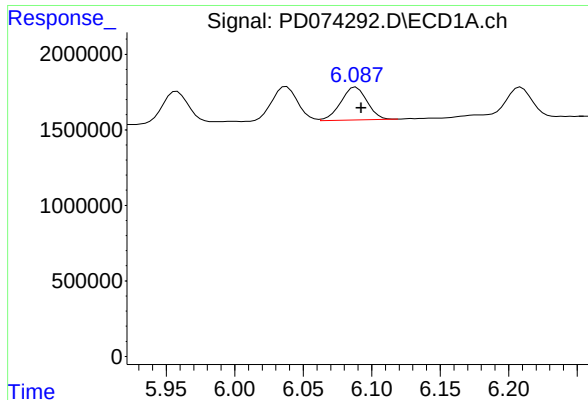
#8 Heptachlor epoxide

R.T.: 5.698 min
Delta R.T.: -0.008 min
Response: 2300091
Conc: 0.82 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.729 min
Delta R.T.: -0.002 min
Response: 1458995
Conc: 0.95 ng/ml



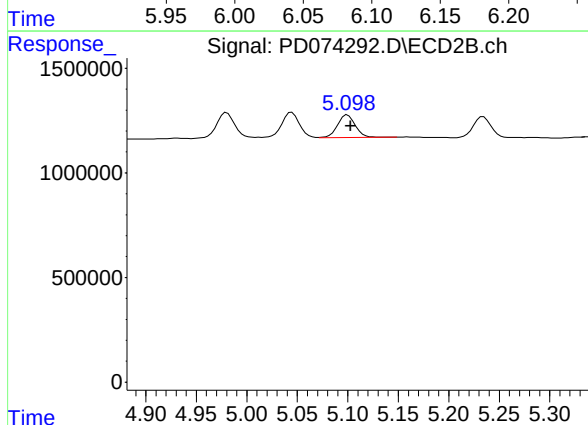
#9 Endosulfan I

R.T.: 6.089 min
Delta R.T.: -0.004 min
Response: 2918599
Conc: 1.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

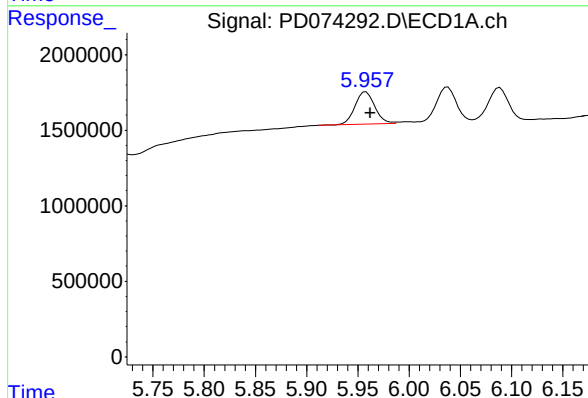
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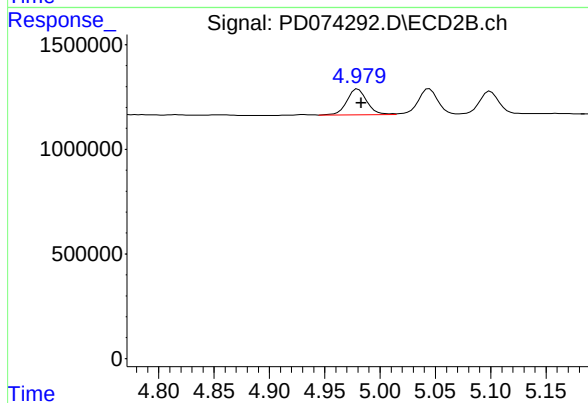
#9 Endosulfan I

R.T.: 5.100 min
Delta R.T.: -0.003 min
Response: 1328518
Conc: 0.92 ng/ml



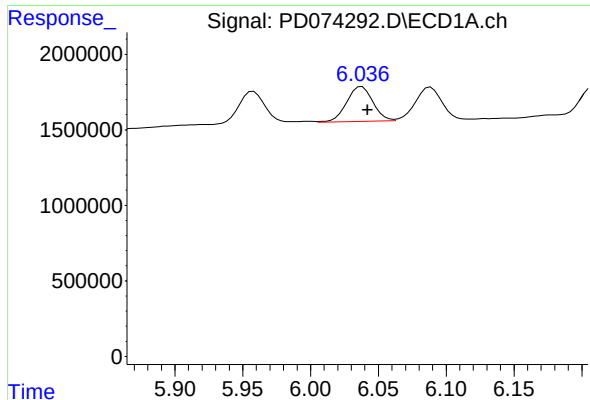
#10 gamma-Chlordane

R.T.: 5.958 min
Delta R.T.: -0.004 min
Response: 2865004
Conc: 0.95 ng/ml



#10 gamma-Chlordane

R.T.: 4.980 min
Delta R.T.: -0.003 min
Response: 1551452
Conc: 1.00 ng/ml



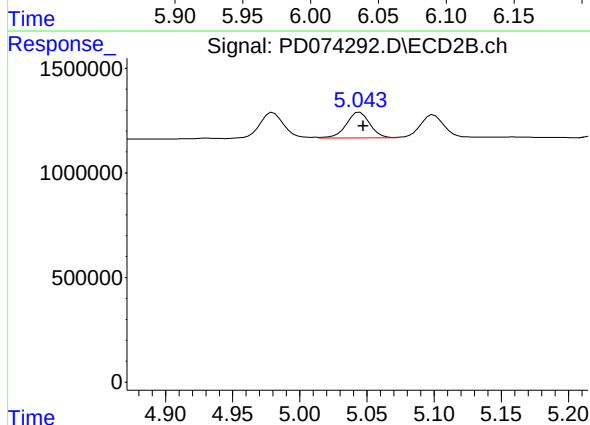
#11 alpha-Chlordane

R.T.: 6.038 min
Delta R.T.: -0.004 min
Response: 3111255
Conc: 1.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
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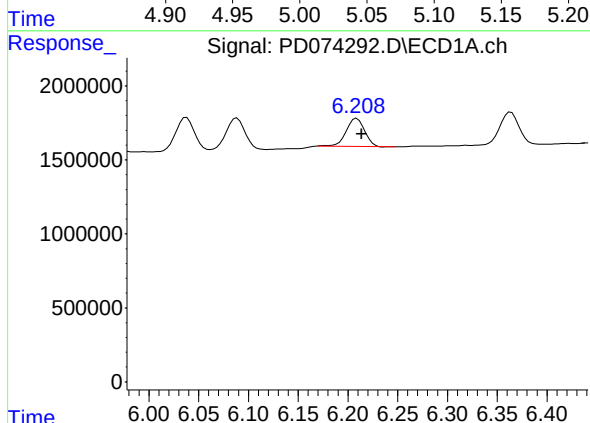
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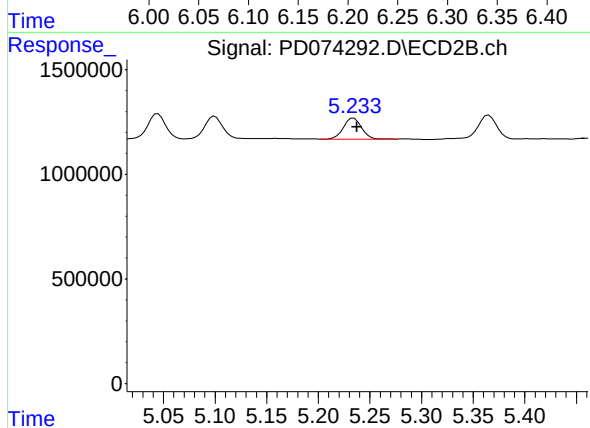
#11 alpha-Chlordane

R.T.: 5.045 min
Delta R.T.: -0.003 min
Response: 1512131
Conc: 0.98 ng/ml



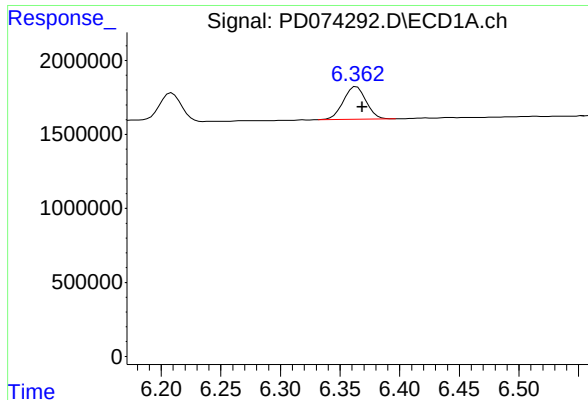
#12 4,4'-DDE

R.T.: 6.209 min
Delta R.T.: -0.005 min
Response: 2449543
Conc: 0.89 ng/ml



#12 4,4'-DDE

R.T.: 5.234 min
Delta R.T.: -0.003 min
Response: 1217447
Conc: 0.86 ng/ml



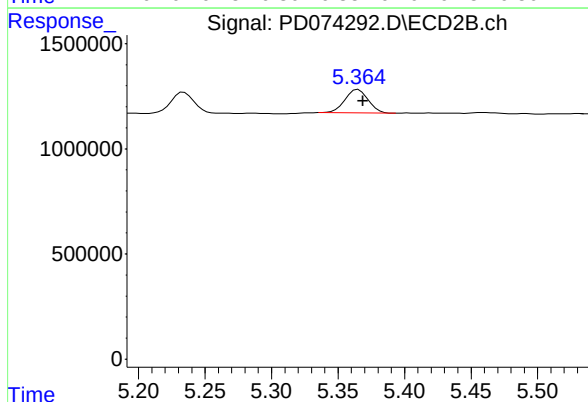
#13 Dieldrin

R.T.: 6.364 min
Delta R.T.: -0.005 min
Response: 2917662
Conc: 0.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

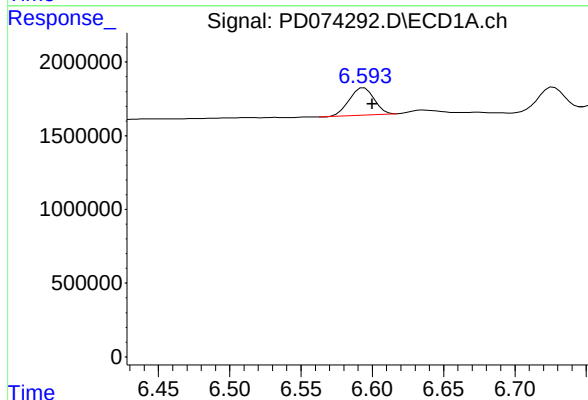
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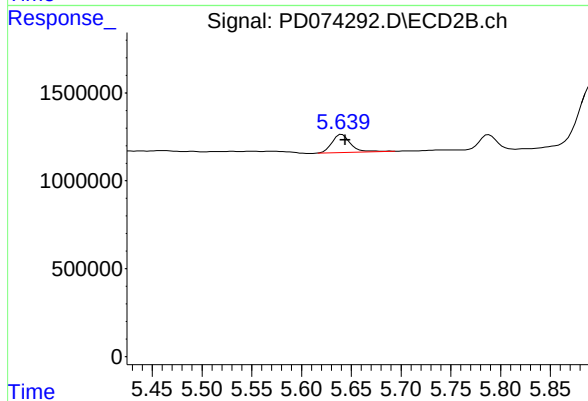
#13 Dieldrin

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1358179
Conc: 0.90 ng/ml



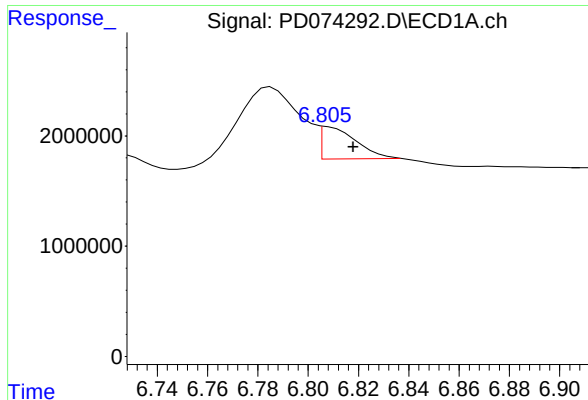
#14 Endrin

R.T.: 6.594 min
Delta R.T.: -0.006 min
Response: 2251485
Conc: 0.91 ng/ml



#14 Endrin

R.T.: 5.641 min
Delta R.T.: -0.004 min
Response: 1338457
Conc: 1.02 ng/ml



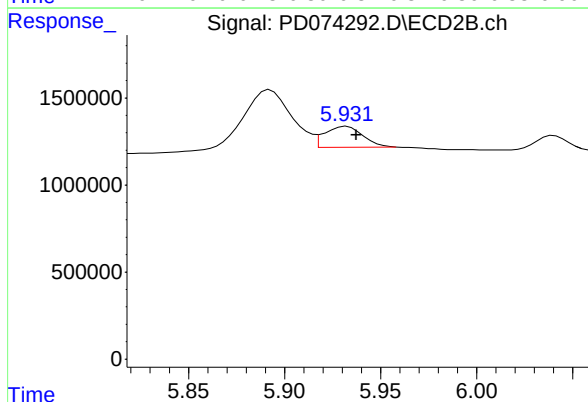
#15 Endosulfan II

R.T.: 6.805 min
Delta R.T.: -0.013 min
Response: 2673402
Conc: 1.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
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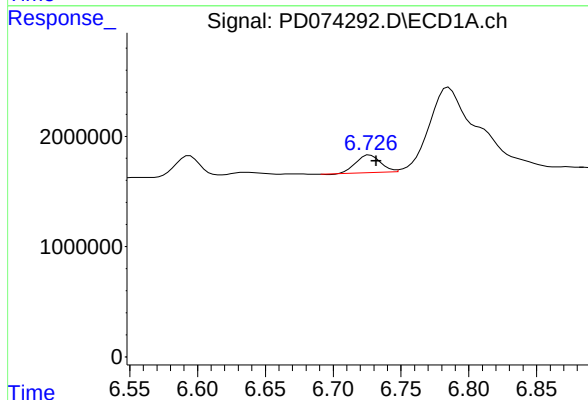
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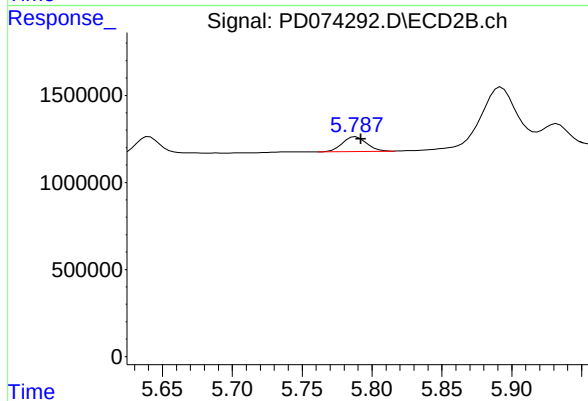
#15 Endosulfan II

R.T.: 5.931 min
Delta R.T.: -0.006 min
Response: 1610602
Conc: 1.28 ng/ml m



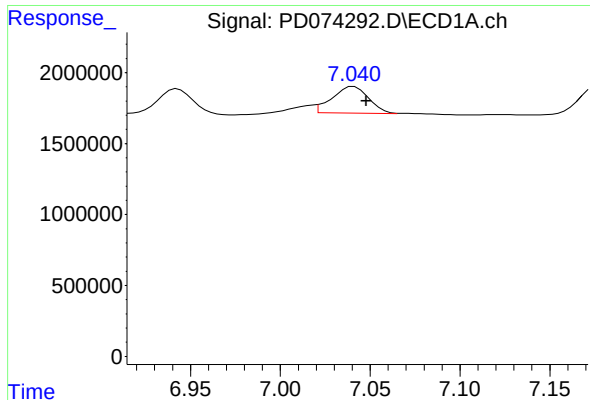
#16 4,4'-DDD

R.T.: 6.727 min
Delta R.T.: -0.005 min
Response: 2041130
Conc: 0.91 ng/ml



#16 4,4'-DDD

R.T.: 5.788 min
Delta R.T.: -0.004 min
Response: 1018395
Conc: 0.87 ng/ml



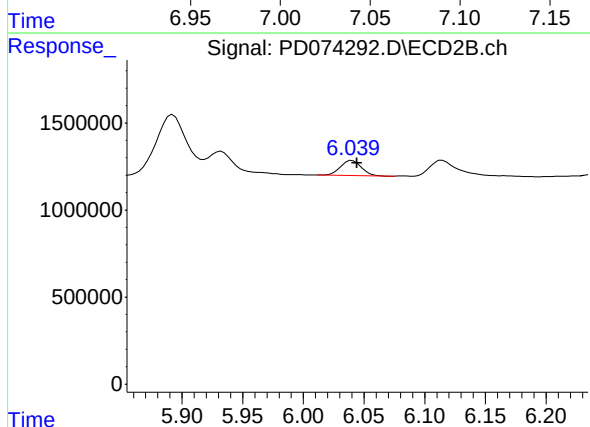
#17 4,4'-DDT

R.T.: 7.040 min
Delta R.T.: -0.008 min
Response: 2589268
Conc: 1.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

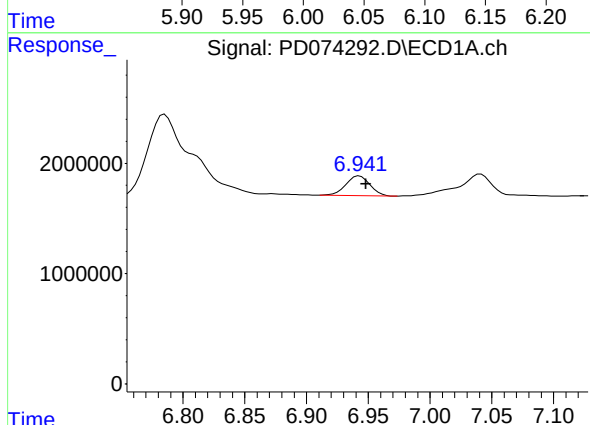
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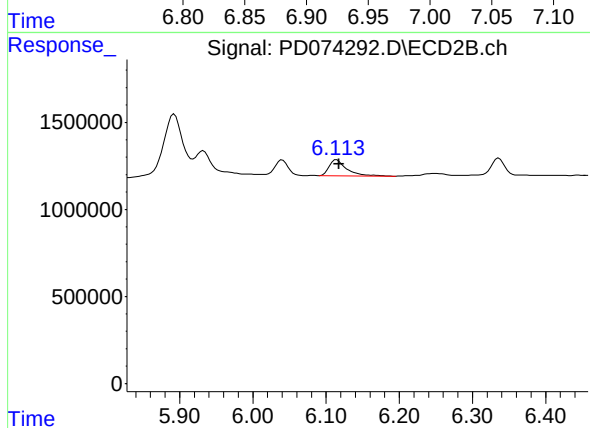
#17 4,4'-DDT

R.T.: 6.040 min
Delta R.T.: -0.004 min
Response: 1034520
Conc: 0.84 ng/ml



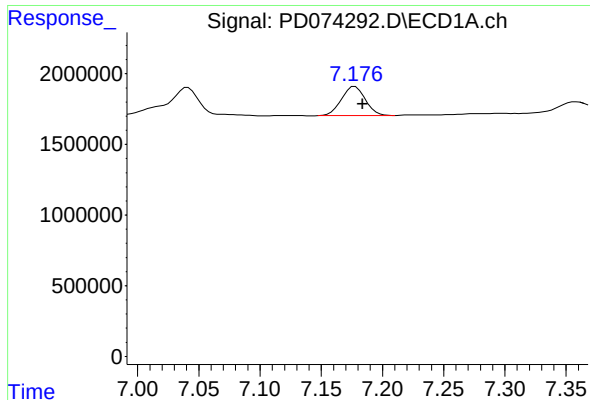
#18 Endrin aldehyde

R.T.: 6.943 min
Delta R.T.: -0.005 min
Response: 2414674
Conc: 1.21 ng/ml



#18 Endrin aldehyde

R.T.: 6.114 min
Delta R.T.: -0.003 min
Response: 1539409
Conc: 1.52 ng/ml



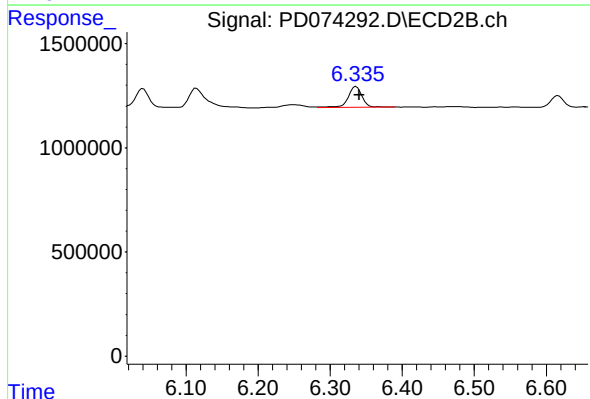
#19 Endosulfan Sulfate

R.T.: 7.178 min
Delta R.T.: -0.006 min
Response: 2800234
Conc: 1.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

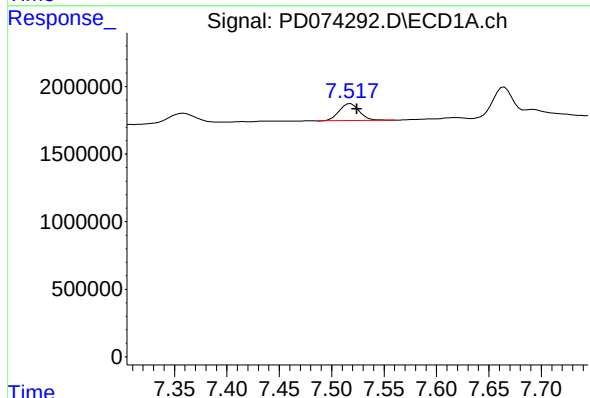
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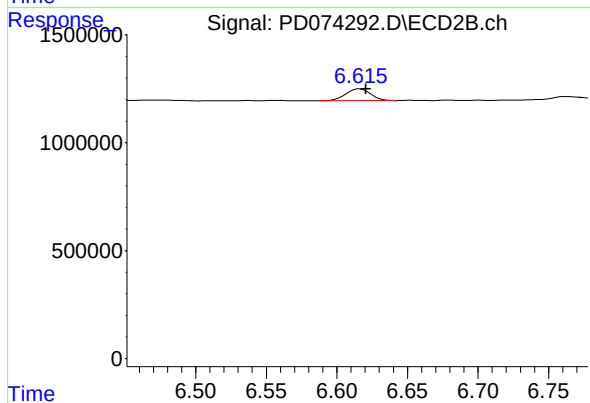
#19 Endosulfan Sulfate

R.T.: 6.336 min
Delta R.T.: -0.004 min
Response: 1331420
Conc: 1.09 ng/ml



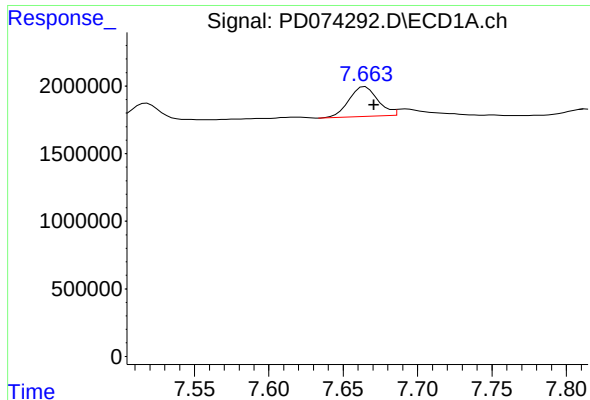
#20 Methoxychlor

R.T.: 7.518 min
Delta R.T.: -0.006 min
Response: 1713120
Conc: 1.22 ng/ml



#20 Methoxychlor

R.T.: 6.617 min
Delta R.T.: -0.004 min
Response: 681999
Conc: 1.01 ng/ml



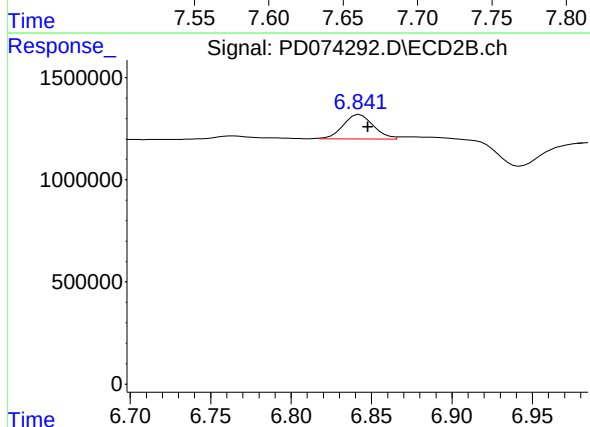
#21 Endrin ketone

R.T.: 7.665 min
Delta R.T.: -0.006 min
Response: 2981960
Conc: 1.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

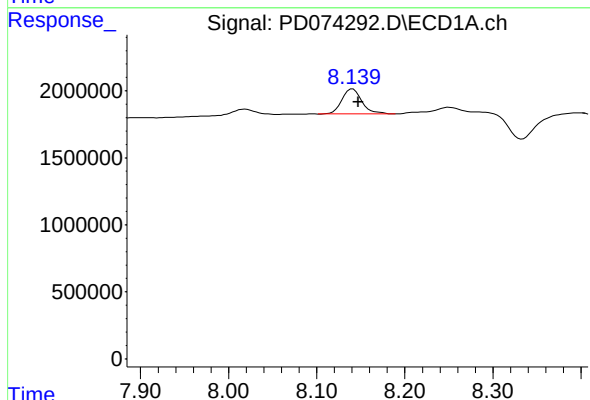
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/21/2023
Supervised By :Ankita Jodhani 03/21/2023



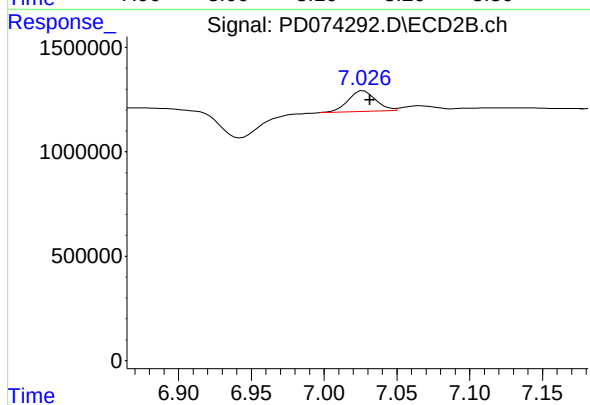
#21 Endrin ketone

R.T.: 6.841 min
Delta R.T.: -0.006 min
Response: 1585041
Conc: 1.07 ng/ml



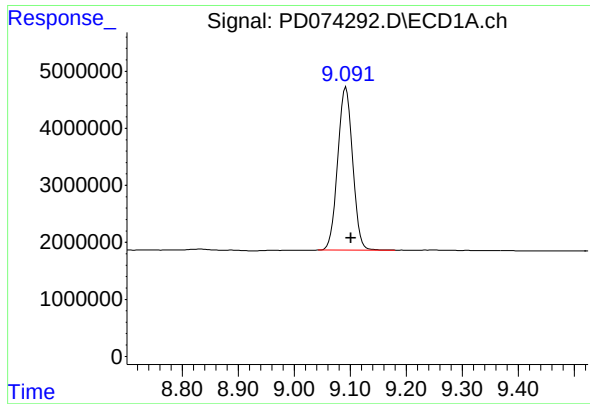
#22 Mirex

R.T.: 8.141 min
Delta R.T.: -0.007 min
Response: 2953385
Conc: 1.39 ng/ml



#22 Mirex

R.T.: 7.027 min
Delta R.T.: -0.004 min
Response: 1299784
Conc: 1.14 ng/ml



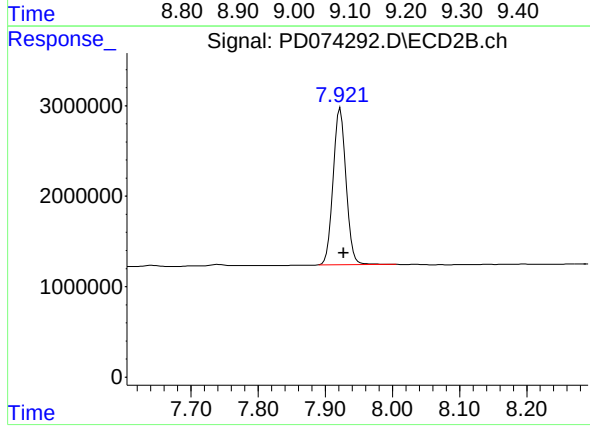
#28 Decachlorobiphenyl

R.T.: 9.092 min
Delta R.T.: -0.009 min
Response: 52975158
Conc: 19.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
MDL-SOIL-03-QT1-2022

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#28 Decachlorobiphenyl

R.T.: 7.922 min
Delta R.T.: -0.005 min
Response: 23196624
Conc: 18.91 ng/ml