

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111121\
 Data File : PL070917.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2021 12:00
 Operator : AR\AJ
 Sample : M4068-02
 Misc : PEST LOQ 5PPB
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/12/2021
 Supervised By : mohammad ahmed 11/12/2021

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 03:30:47 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110321.M
 Quant Title : GC Extractables
 QLast Update : Thu Nov 04 19:28:07 2021
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.569	5.502	9180977	24568868	18.744	19.486
28) SA Decachlor...	10.331	11.392	13570740	26919881	19.861	20.129
Target Compounds						
2) A alpha-BHC	5.274	6.082	2682897	8429713	4.008	4.579
3) MA gamma-BHC...	5.697	6.478	2876706	7637381	4.289	4.404
4) MA Heptachlor	6.103	7.125	3058985	8203877	4.263m	5.051
5) MB Aldrin	6.428	7.494	2750439	7423723	4.301	4.572
6) B beta-BHC	6.078	6.734	1529899	4417284	4.710m	5.155
7) B delta-BHC	6.339	7.000	2601372	8192536	3.931	4.899
8) B Heptachlo...	7.006	7.961	3053253	7452427	4.696	4.890
9) A Endosulfan I	7.408	8.366	2920007	7041265	4.767	4.894
10) B gamma-Chl...	7.283	8.231	3152722	7400408	4.749	4.780
11) B alpha-Chl...	7.352	8.311	3178736	7478306	4.770	4.917
12) B 4,4'-DDE	7.568	8.501	2533536	7513898	4.348	5.092
13) MA Dieldrin	7.694	8.655	2931806	7032893	4.697	4.827
14) MA Endrin	7.985	8.893	2495795	5388557	4.402	4.652
15) B Endosulfa...	8.296	9.127	2871560	6371227	4.744	5.217m
16) A 4,4'-DDD	8.151	9.040	2278775	5101742	4.485m	4.239
17) MA 4,4'-DDT	8.413	9.356	2410965	6060794	4.384	4.804
18) B Endrin al...	8.485	9.263	2719504	5869411	5.986	6.069
19) B Endosulfa...	8.715	9.500	3246062	6300073	5.262	5.083
20) A Methoxychlor	9.009	9.843	1772346	3142899	4.845	4.644
21) B Endrin ke...	9.233	9.997	3678883	6869085	5.145	4.785
22) Mirex	9.417	10.461	3675435	5754952	5.985	5.525

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

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 Data File : PL070917.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2021 12:00
 Operator : AR\AJ
 Sample : M4068-02
 Misc : PEST LOQ 5PPB
 ALS Vial : 9 Sample Multiplier: 1

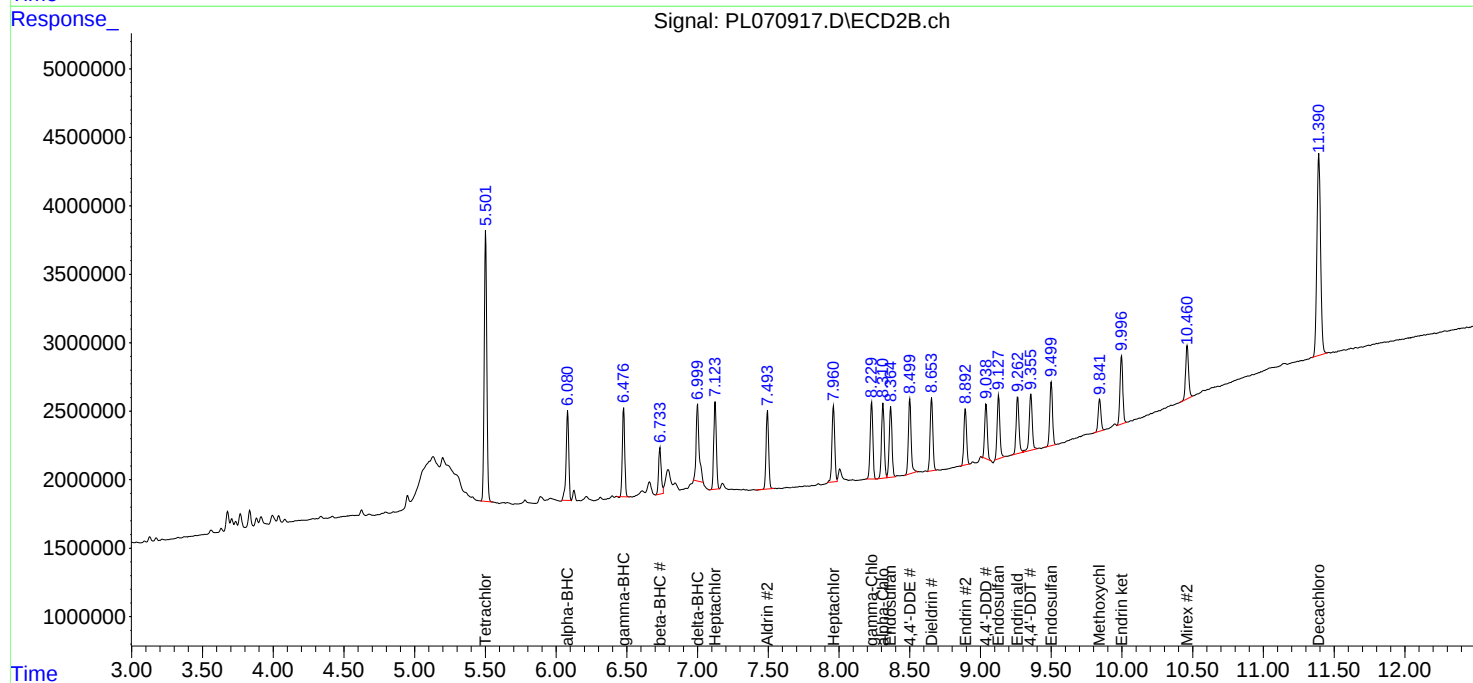
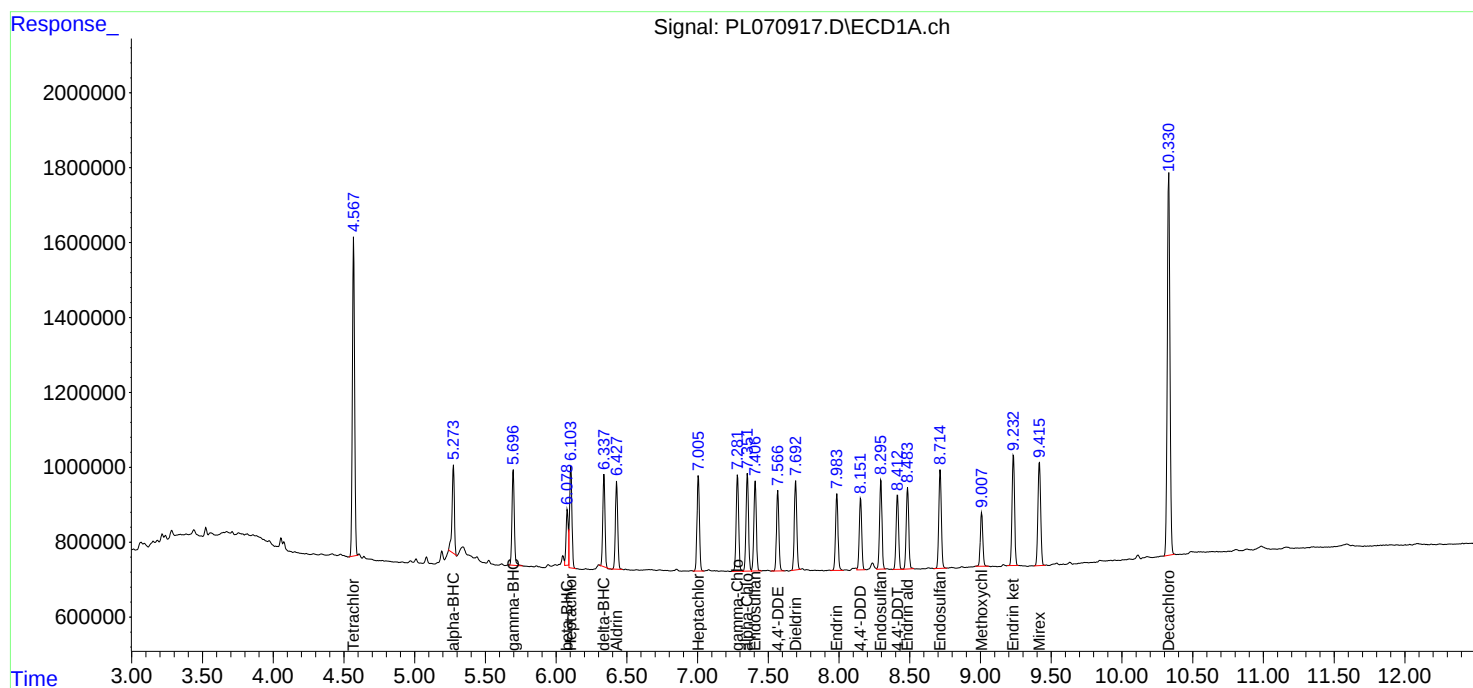
Instrument :
 ECD_L
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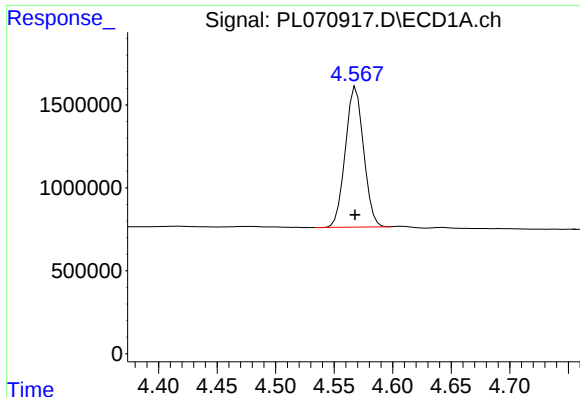
Manual Integrations APPROVED

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 Supervised By :mohammad ahmed 11/12/2021

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
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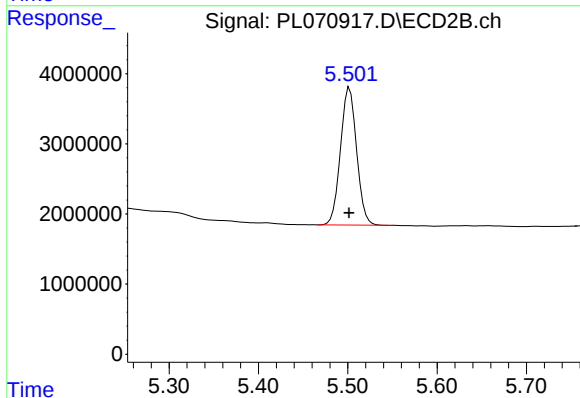
#1 Tetrachloro-m-xylene

R.T.: 4.569 min
Delta R.T.: 0.000 min
Response: 9180977
Conc: 18.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT4-2021

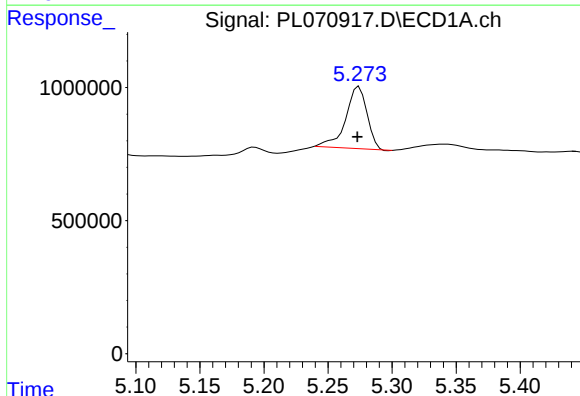
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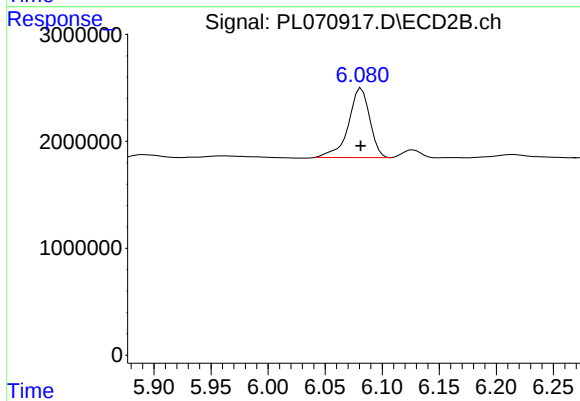
#1 Tetrachloro-m-xylene

R.T.: 5.502 min
Delta R.T.: 0.000 min
Response: 24568868
Conc: 19.49 ng/ml



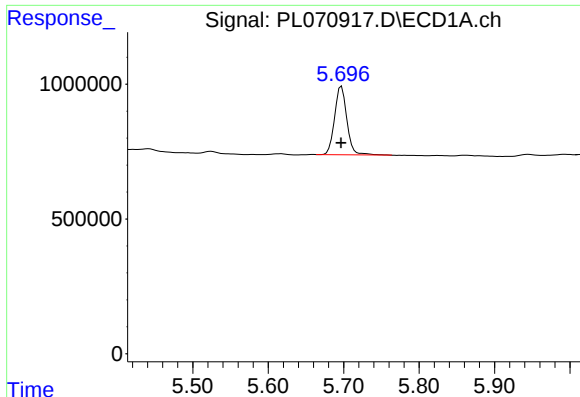
#2 alpha-BHC

R.T.: 5.274 min
Delta R.T.: 0.001 min
Response: 2682897
Conc: 4.01 ng/ml



#2 alpha-BHC

R.T.: 6.082 min
Delta R.T.: 0.000 min
Response: 8429713
Conc: 4.58 ng/ml



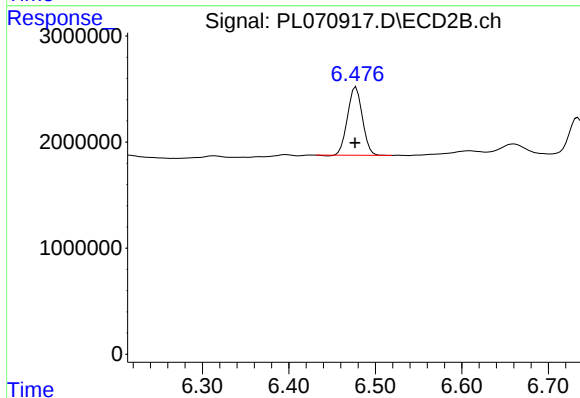
#3 gamma-BHC (Lindane)

R.T.: 5.697 min
Delta R.T.: 0.000 min
Response: 2876706
Conc: 4.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT4-2021

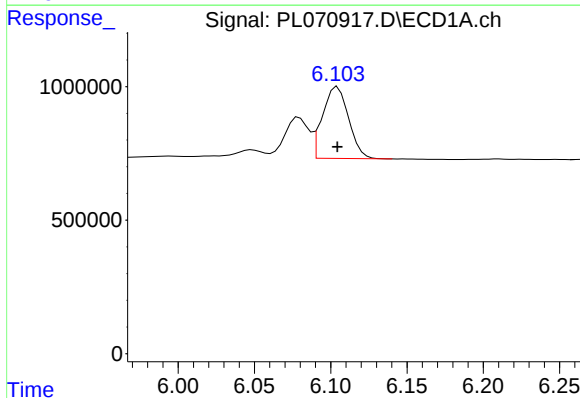
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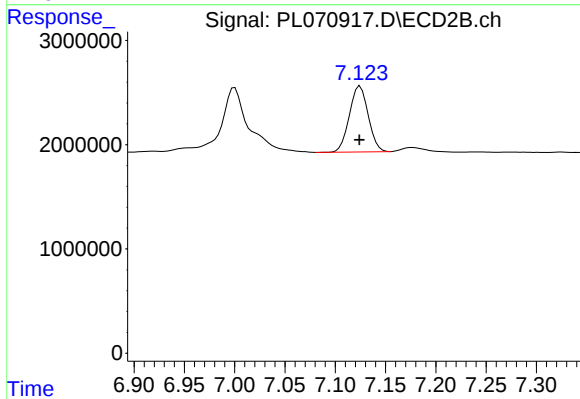
#3 gamma-BHC (Lindane)

R.T.: 6.478 min
Delta R.T.: 0.001 min
Response: 7637381
Conc: 4.40 ng/ml



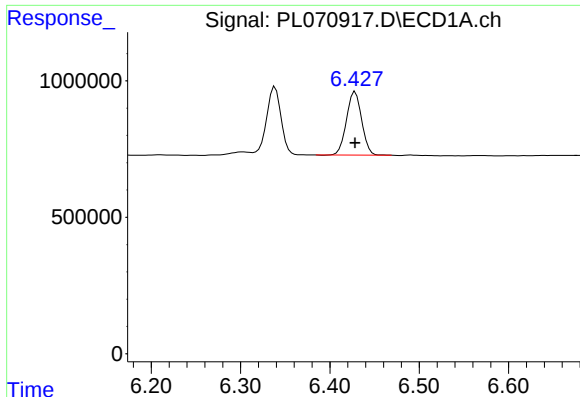
#4 Heptachlor

R.T.: 6.103 min
Delta R.T.: -0.001 min
Response: 3058985
Conc: 4.26 ng/ml m



#4 Heptachlor

R.T.: 7.125 min
Delta R.T.: 0.000 min
Response: 8203877
Conc: 5.05 ng/ml



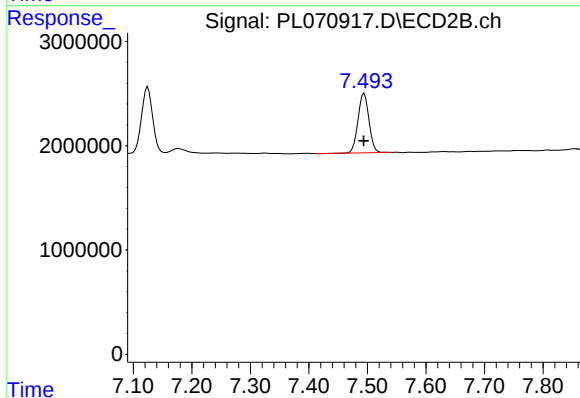
#5 Aldrin

R.T.: 6.428 min
Delta R.T.: 0.000 min
Response: 2750439
Conc: 4.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
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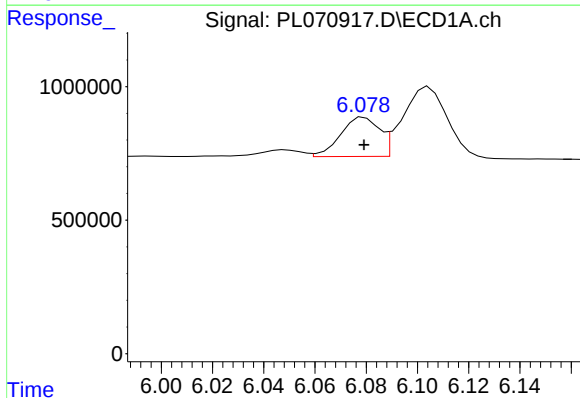
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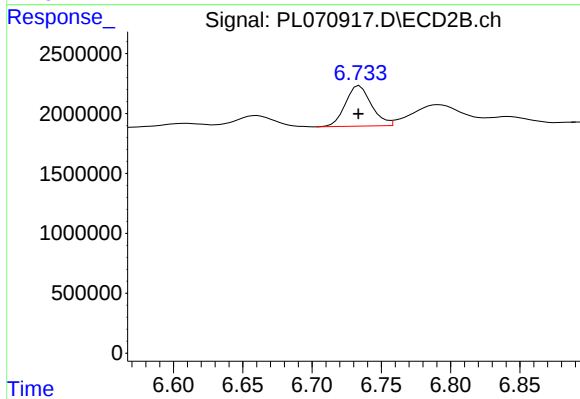
#5 Aldrin

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 7423723
Conc: 4.57 ng/ml



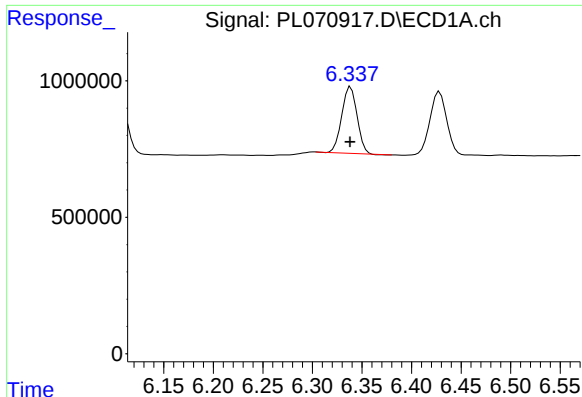
#6 beta-BHC

R.T.: 6.078 min
Delta R.T.: -0.001 min
Response: 1529899
Conc: 4.71 ng/ml m



#6 beta-BHC

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 4417284
Conc: 5.16 ng/ml



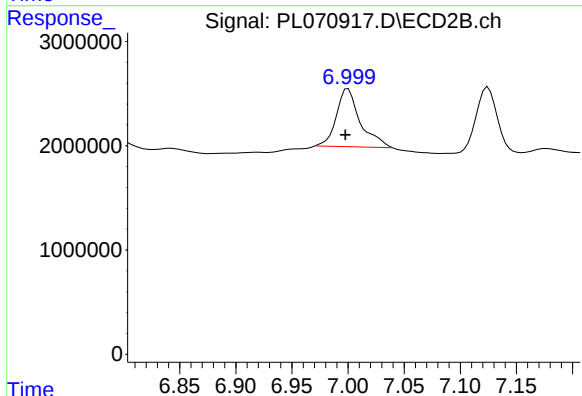
#7 delta-BHC

R.T.: 6.339 min
Delta R.T.: 0.000 min
Response: 2601372
Conc: 3.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT4-2021

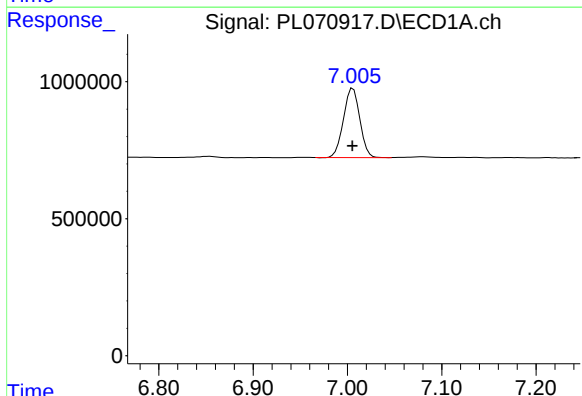
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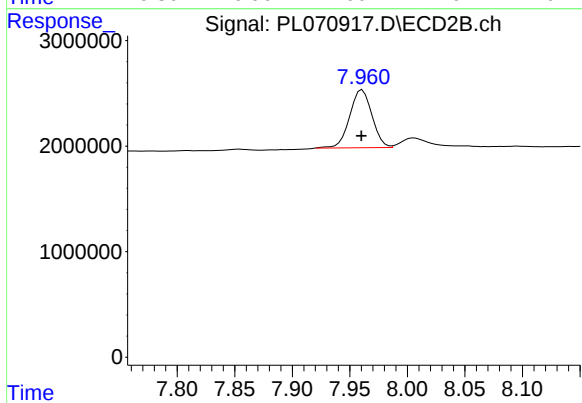
#7 delta-BHC

R.T.: 7.000 min
Delta R.T.: 0.002 min
Response: 8192536
Conc: 4.90 ng/ml



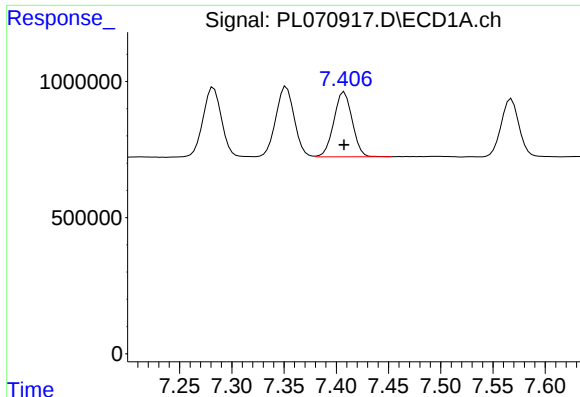
#8 Heptachlor epoxide

R.T.: 7.006 min
Delta R.T.: 0.000 min
Response: 3053253
Conc: 4.70 ng/ml



#8 Heptachlor epoxide

R.T.: 7.961 min
Delta R.T.: 0.000 min
Response: 7452427
Conc: 4.89 ng/ml



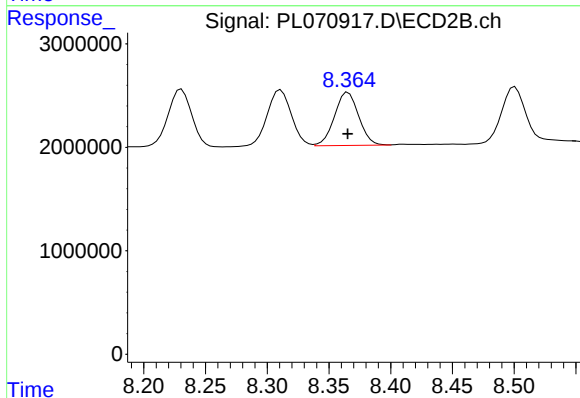
#9 Endosulfan I

R.T.: 7.408 min
Delta R.T.: 0.000 min
Response: 2920007
Conc: 4.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
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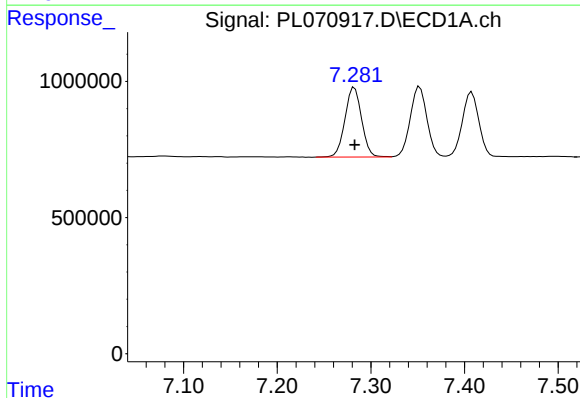
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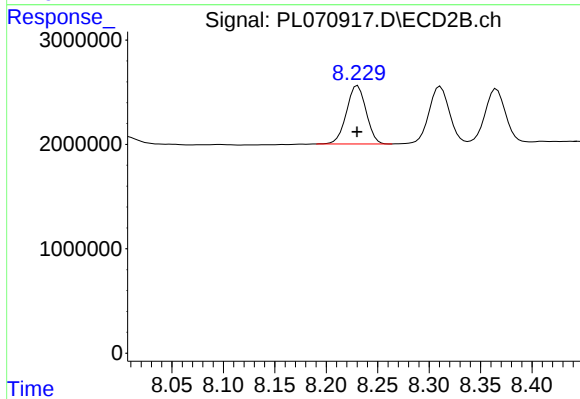
#9 Endosulfan I

R.T.: 8.366 min
Delta R.T.: 0.000 min
Response: 7041265
Conc: 4.89 ng/ml



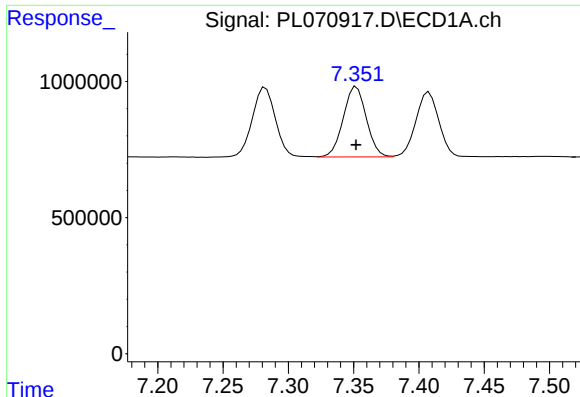
#10 gamma-Chlordane

R.T.: 7.283 min
Delta R.T.: 0.000 min
Response: 3152722
Conc: 4.75 ng/ml



#10 gamma-Chlordane

R.T.: 8.231 min
Delta R.T.: 0.000 min
Response: 7400408
Conc: 4.78 ng/ml



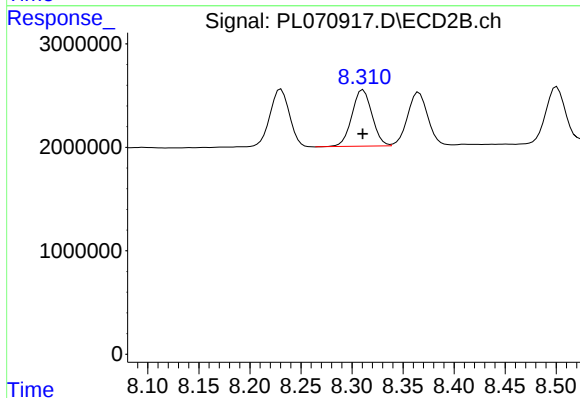
#11 alpha-Chlordane

R.T.: 7.352 min
Delta R.T.: 0.000 min
Response: 3178736
Conc: 4.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT4-2021

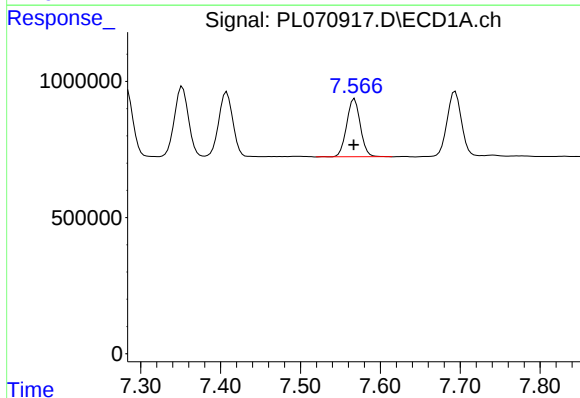
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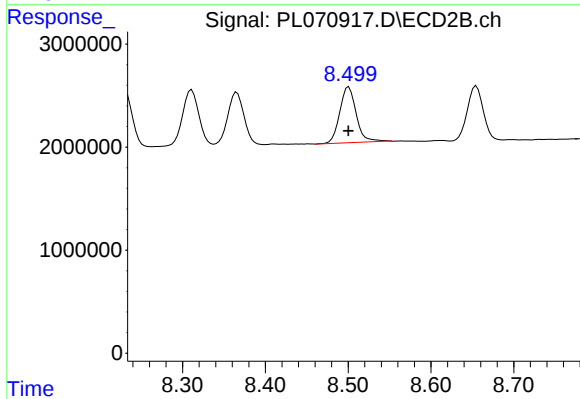
#11 alpha-Chlordane

R.T.: 8.311 min
Delta R.T.: 0.000 min
Response: 7478306
Conc: 4.92 ng/ml



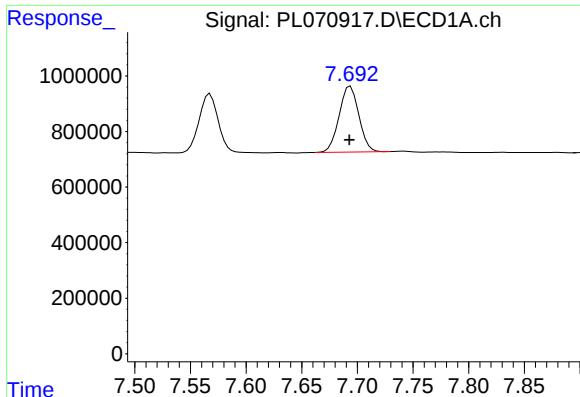
#12 4,4'-DDE

R.T.: 7.568 min
Delta R.T.: 0.000 min
Response: 2533536
Conc: 4.35 ng/ml



#12 4,4'-DDE

R.T.: 8.501 min
Delta R.T.: 0.000 min
Response: 7513898
Conc: 5.09 ng/ml



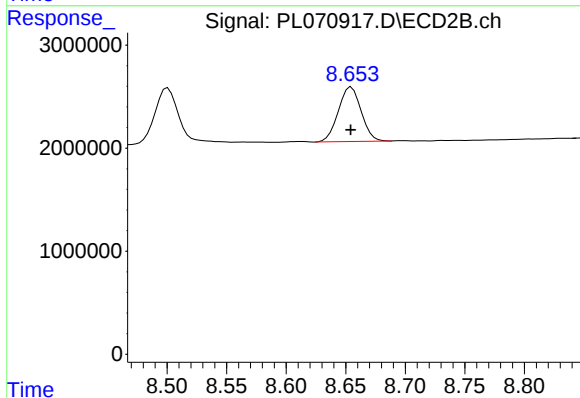
#13 Dieldrin

R.T.: 7.694 min
Delta R.T.: 0.000 min
Response: 2931806
Conc: 4.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
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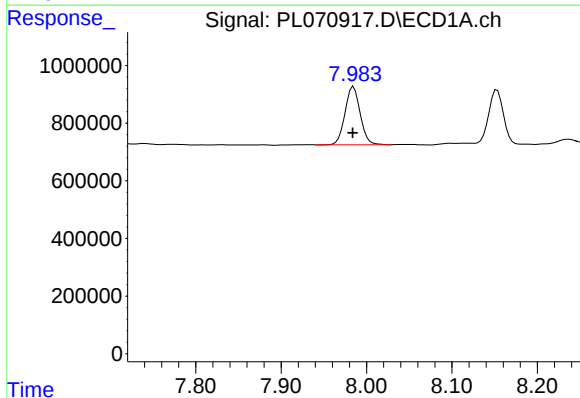
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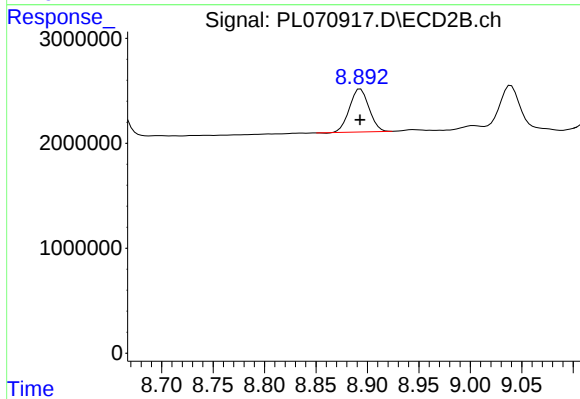
#13 Dieldrin

R.T.: 8.655 min
Delta R.T.: 0.000 min
Response: 7032893
Conc: 4.83 ng/ml



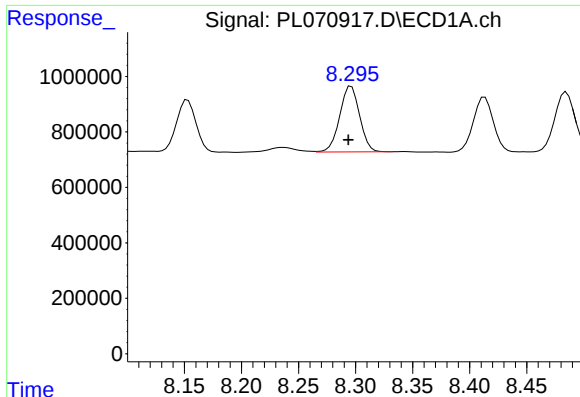
#14 Endrin

R.T.: 7.985 min
Delta R.T.: 0.001 min
Response: 2495795
Conc: 4.40 ng/ml



#14 Endrin

R.T.: 8.893 min
Delta R.T.: 0.000 min
Response: 5388557
Conc: 4.65 ng/ml



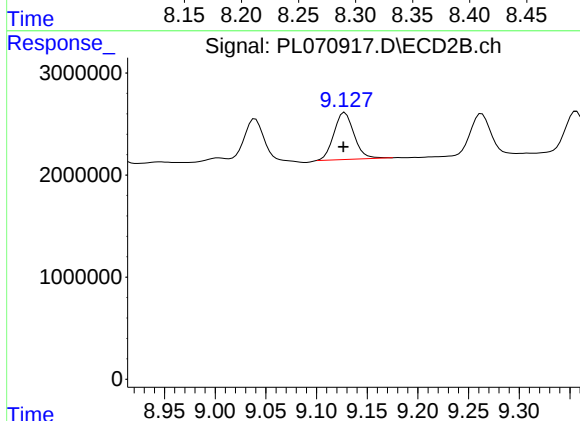
#15 Endosulfan II

R.T.: 8.296 min
Delta R.T.: 0.002 min
Response: 2871560
Conc: 4.74 ng/ml

Instrument :
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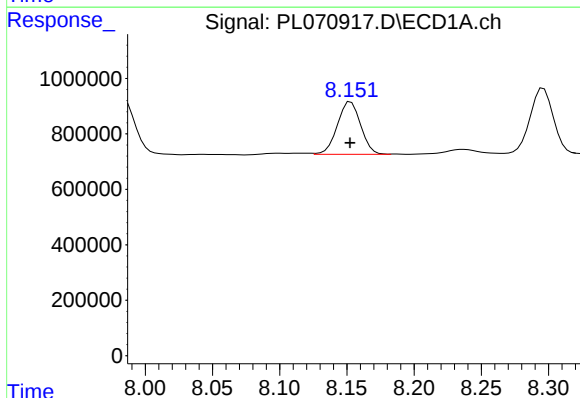
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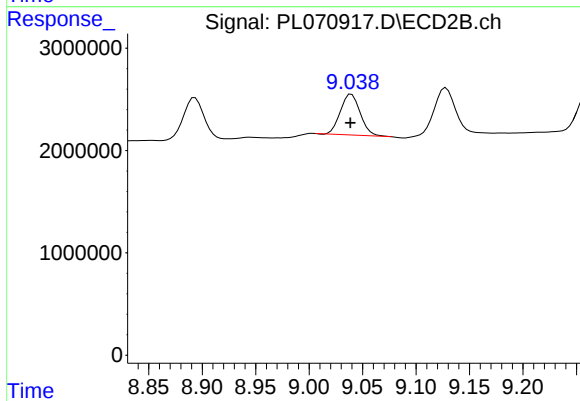
#15 Endosulfan II

R.T.: 9.127 min
Delta R.T.: 0.000 min
Response: 6371227
Conc: 5.22 ng/ml m



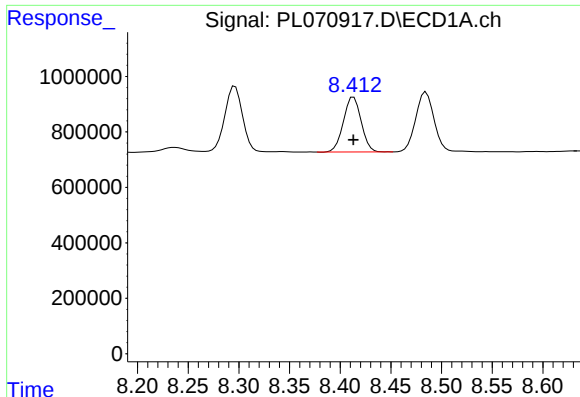
#16 4,4'-DDD

R.T.: 8.151 min
Delta R.T.: 0.000 min
Response: 2278775
Conc: 4.48 ng/ml m



#16 4,4'-DDD

R.T.: 9.040 min
Delta R.T.: 0.001 min
Response: 5101742
Conc: 4.24 ng/ml



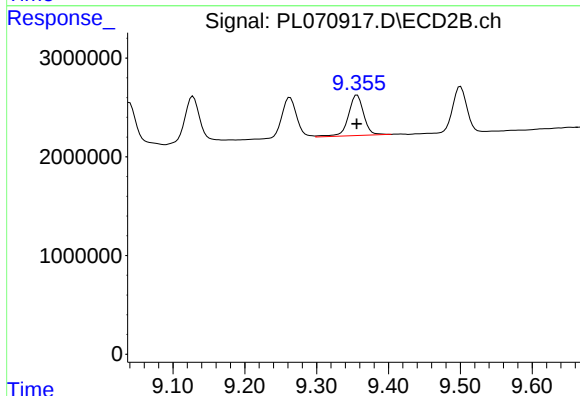
#17 4,4'-DDT

R.T.: 8.413 min
Delta R.T.: 0.000 min
Response: 2410965
Conc: 4.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
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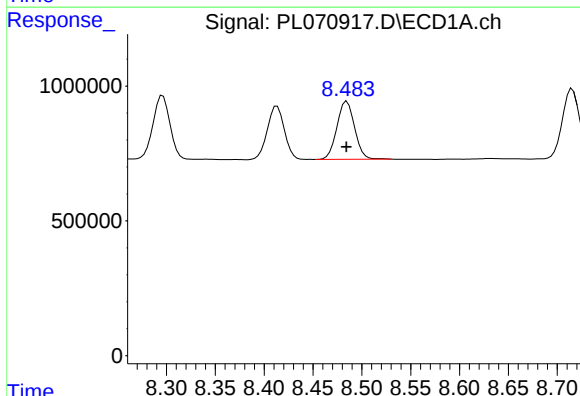
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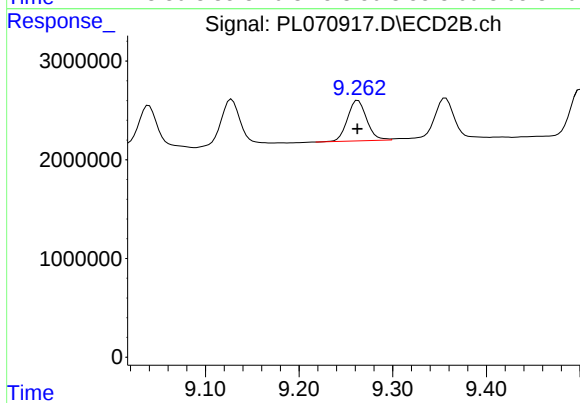
#17 4,4'-DDT

R.T.: 9.356 min
Delta R.T.: 0.000 min
Response: 6060794
Conc: 4.80 ng/ml



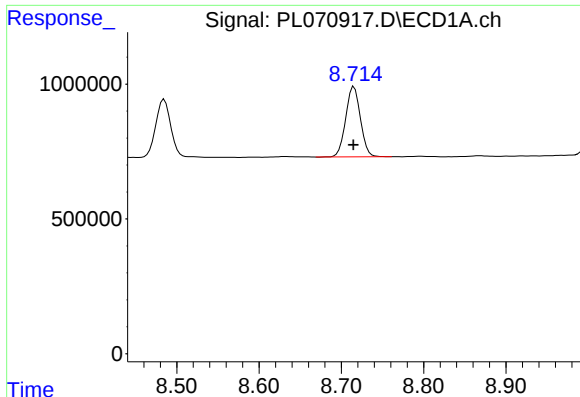
#18 Endrin aldehyde

R.T.: 8.485 min
Delta R.T.: 0.000 min
Response: 2719504
Conc: 5.99 ng/ml



#18 Endrin aldehyde

R.T.: 9.263 min
Delta R.T.: 0.000 min
Response: 5869411
Conc: 6.07 ng/ml



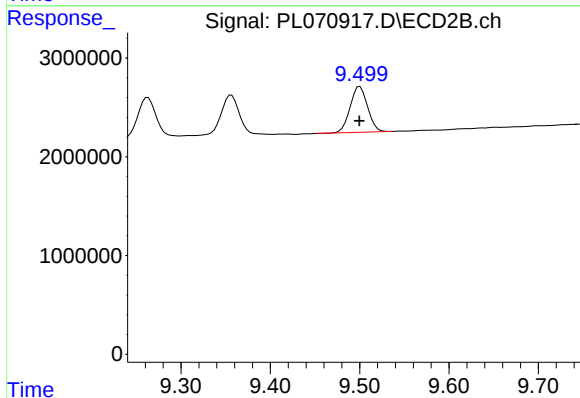
#19 Endosulfan Sulfate

R.T.: 8.715 min
Delta R.T.: 0.000 min
Response: 3246062
Conc: 5.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT4-2021

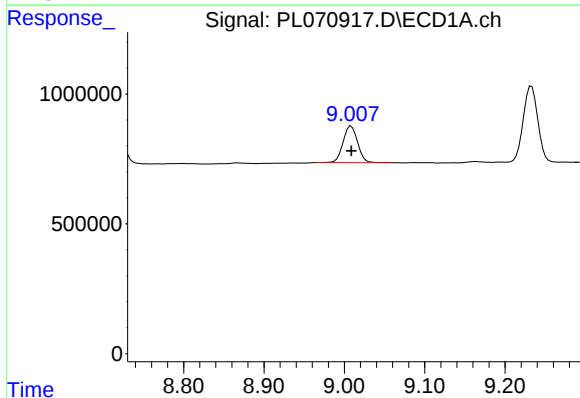
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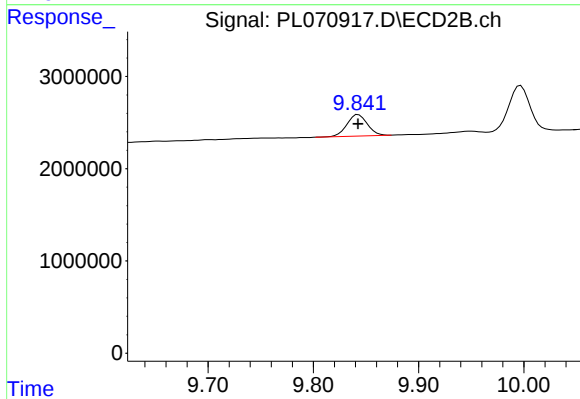
#19 Endosulfan Sulfate

R.T.: 9.500 min
Delta R.T.: 0.000 min
Response: 6300073
Conc: 5.08 ng/ml



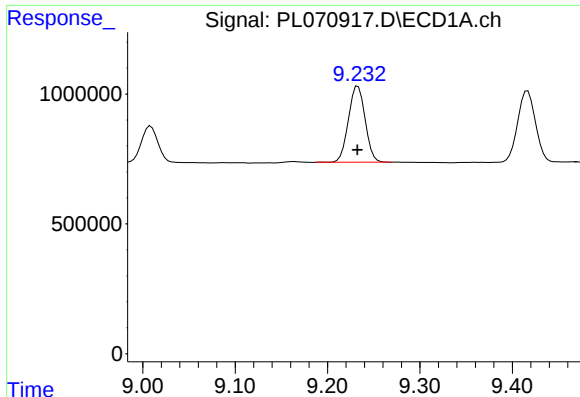
#20 Methoxychlor

R.T.: 9.009 min
Delta R.T.: 0.000 min
Response: 1772346
Conc: 4.84 ng/ml



#20 Methoxychlor

R.T.: 9.843 min
Delta R.T.: 0.000 min
Response: 3142899
Conc: 4.64 ng/ml



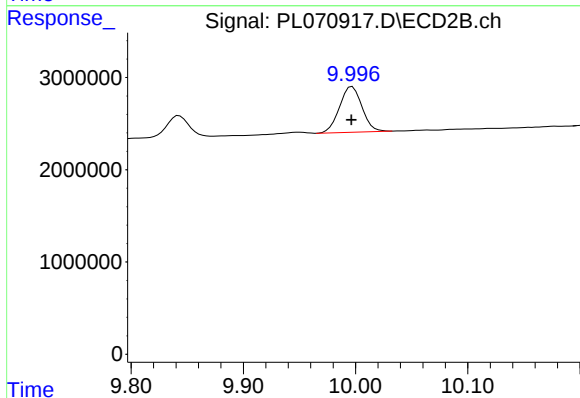
#21 Endrin ketone

R.T.: 9.233 min
Delta R.T.: 0.000 min
Response: 3678883
Conc: 5.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT4-2021

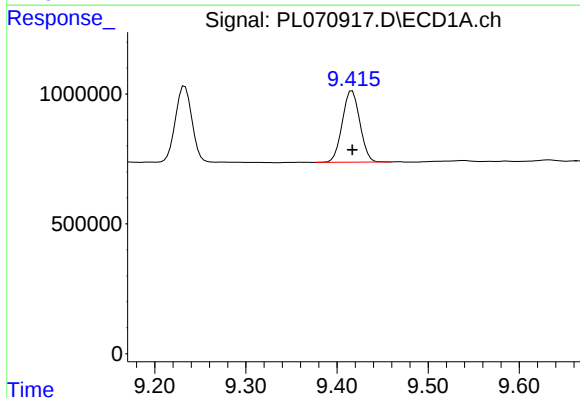
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/12/2021
Supervised By :mohammad ahmed 11/12/2021



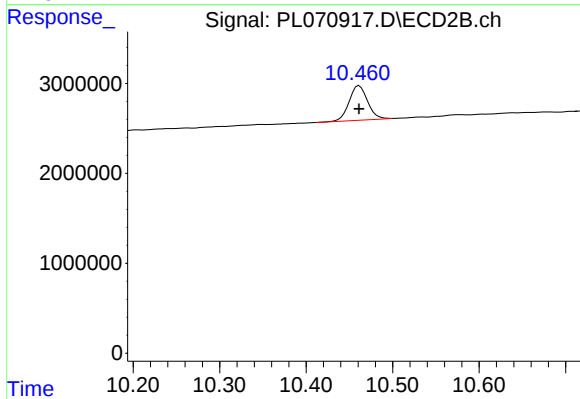
#21 Endrin ketone

R.T.: 9.997 min
Delta R.T.: 0.000 min
Response: 6869085
Conc: 4.79 ng/ml



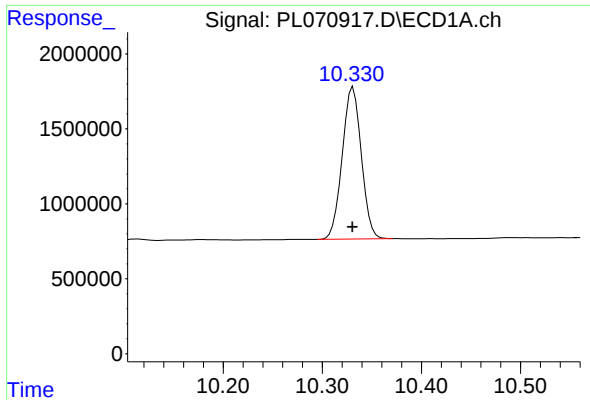
#22 Mirex

R.T.: 9.417 min
Delta R.T.: 0.000 min
Response: 3675435
Conc: 5.98 ng/ml



#22 Mirex

R.T.: 10.461 min
Delta R.T.: 0.000 min
Response: 5754952
Conc: 5.53 ng/ml



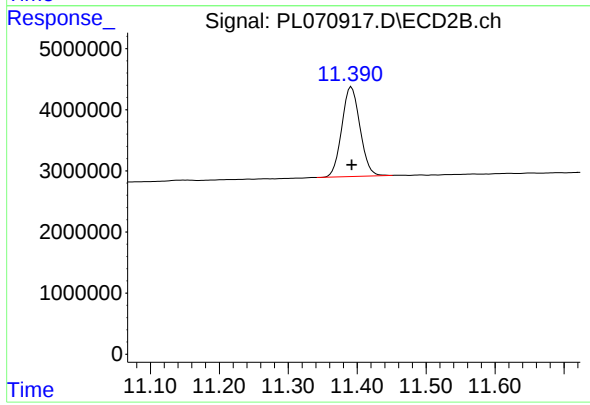
#28 Decachlorobiphenyl

R.T.: 10.331 min
Delta R.T.: 0.000 min
Response: 13570740
Conc: 19.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 11.392 min
Delta R.T.: 0.000 min
Response: 26919881
Conc: 20.13 ng/ml