

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102523\
 Data File : PD079147.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Oct 2023 14:41
 Operator : AR\AJ
 Sample : 04699-02
 Misc : PEST LOQ 5PPB
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/26/2023
 Supervised By :Ankita Jodhani 10/26/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 26 01:37:15 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	25457730	37501571	15.767	16.197
28)	SA Decachlor...	9.116	7.955	32877538	42444712	16.389	17.413
Target Compounds							
2)	A alpha-BHC	4.027	3.309	10144233	13764391	3.811	3.970
3)	MA gamma-BHC...	4.361	3.639	9893492	14123264	3.807	4.159
4)	MA Heptachlor	4.954	3.982	12058485	13378615	4.508	4.381
5)	MB Aldrin	5.297	4.264	11069620	13539264	4.296	4.139
6)	B beta-BHC	4.554	3.933	5059714	6025226	4.722	4.276m
7)	B delta-BHC	4.803	4.165	11374125	13152884	4.249	3.928
8)	B Heptachlo...	5.724	4.766	10901736	13131621	4.652	4.429
9)	A Endosulfan I	6.111	5.136	10365525	11796395	4.781	4.455
10)	B gamma-Chl...	5.980	5.016	10744860	12690543	4.687	4.423
11)	B alpha-Chl...	6.060	5.081	10755561	12746295	4.717	4.441
12)	B 4,4'-DDE	6.230	5.270	9325001	11299693	4.413	4.244
13)	MA Dieldrin	6.386	5.401	10120430	12531037	4.346	4.219
14)	MA Endrin	6.616	5.676	8711302	11894627	4.473	4.648
15)	B Endosulfa...	6.834	5.969	9147200	10782225	4.485	4.319
16)	A 4,4'-DDD	6.745	5.823	7520774	9904209	4.278m	4.336
17)	MA 4,4'-DDT	7.062	6.075	7748239	9749776	4.092	4.259
18)	B Endrin al...	6.962	6.149	6547164	8209997	4.240m	4.416
19)	B Endosulfa...	7.197	6.370	8747178	10934781	4.400	4.683
20)	A Methoxychlor	7.536	6.650	4765435	6379609	4.349	4.699
21)	B Endrin ke...	7.685	6.877	9110075	12173725	4.179	4.354
22)	Mirex	8.161	7.063	8223525	10589843	4.858	4.957

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102523\
Data File : PD079147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2023 14:41
Operator : AR\AJ
Sample : 04699-02
Misc : PEST LOQ 5PPB
ALS Vial : 11 Sample Multiplier: 1

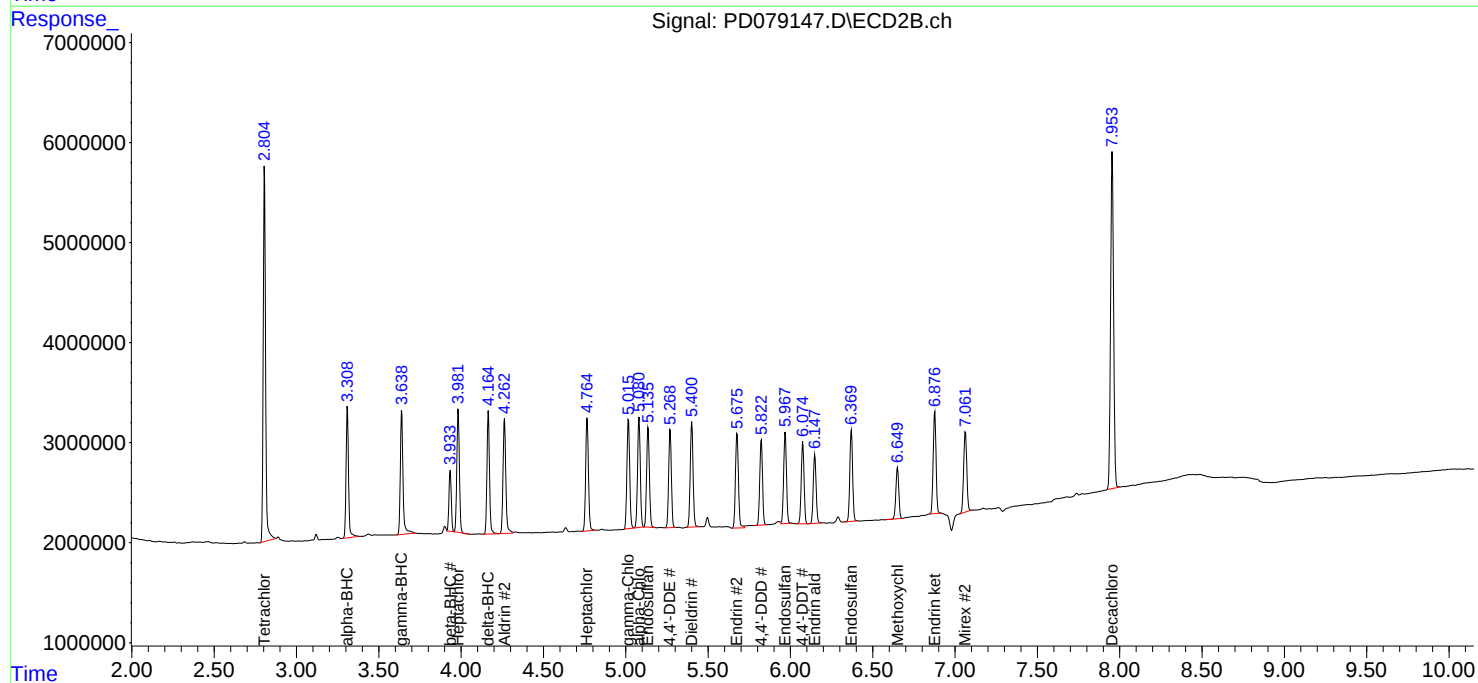
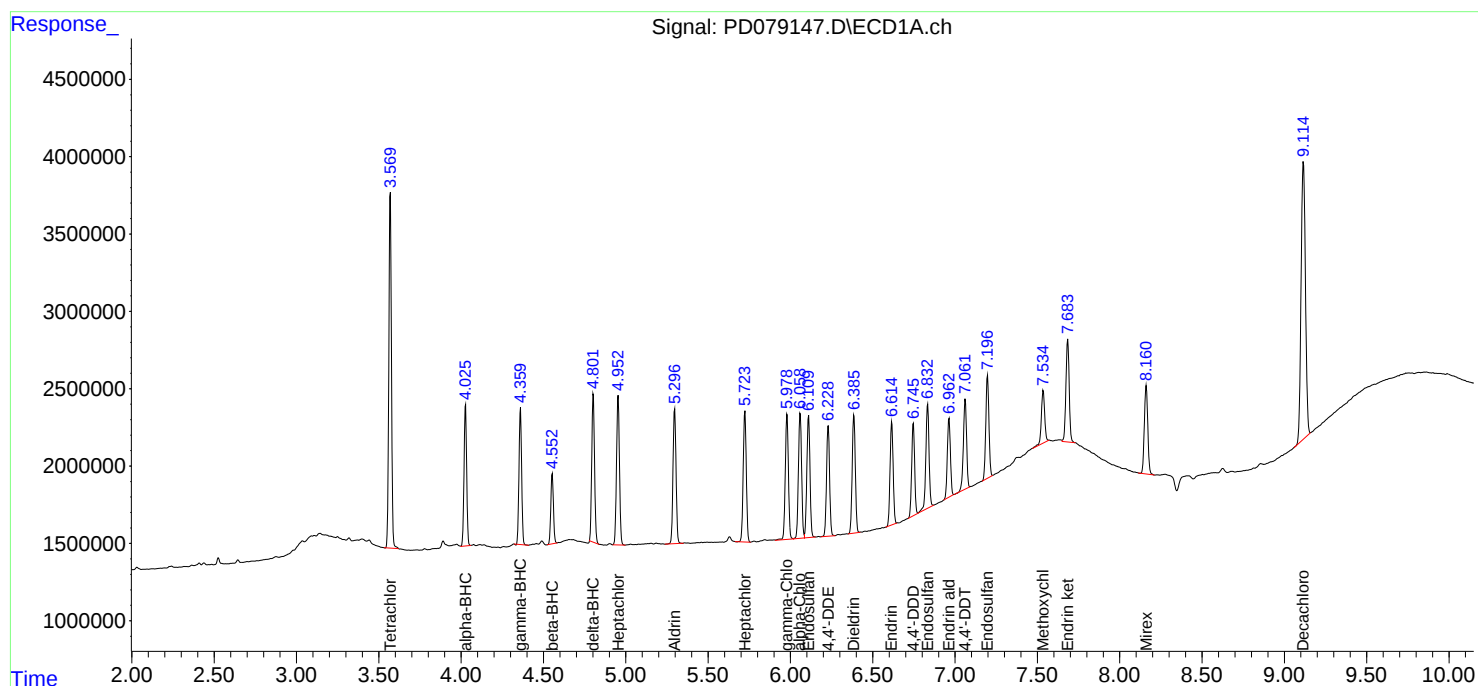
Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

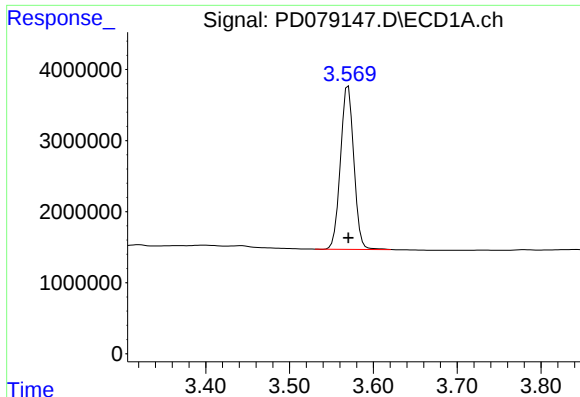
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/26/2023
Supervised By : Ankita Jodhani 10/26/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 26 01:37:15 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





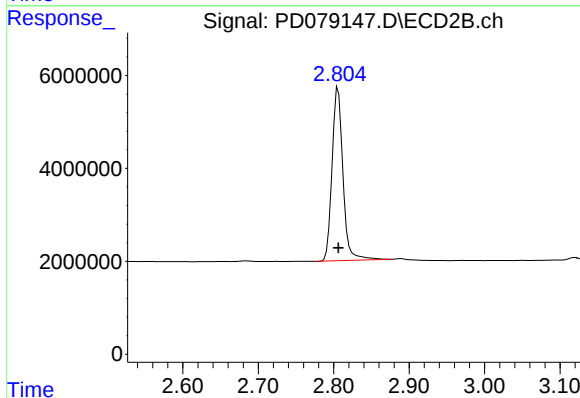
#1 Tetrachloro-m-xylene

R.T.: 3.570 min
Delta R.T.: 0.000 min
Response: 25457730
Conc: 15.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

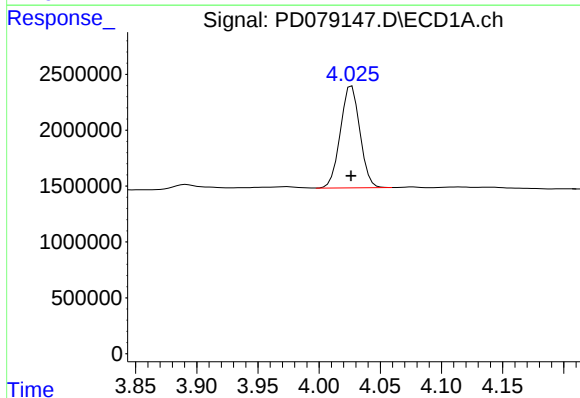
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



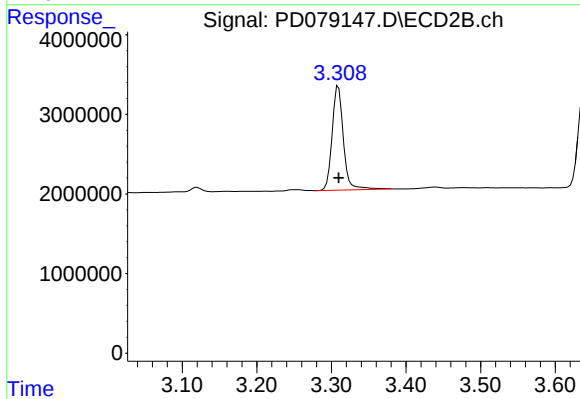
#1 Tetrachloro-m-xylene

R.T.: 2.806 min
Delta R.T.: 0.000 min
Response: 37501571
Conc: 16.20 ng/ml



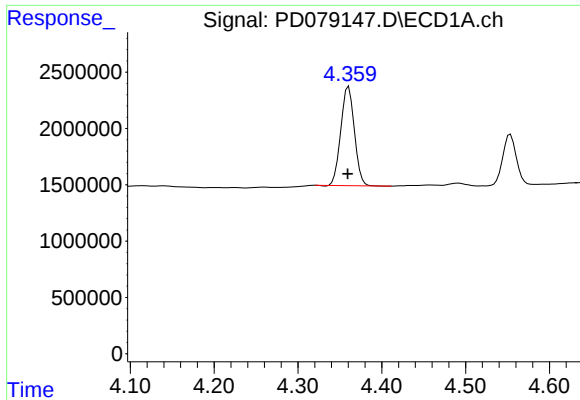
#2 alpha-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 10144233
Conc: 3.81 ng/ml



#2 alpha-BHC

R.T.: 3.309 min
Delta R.T.: 0.000 min
Response: 13764391
Conc: 3.97 ng/ml



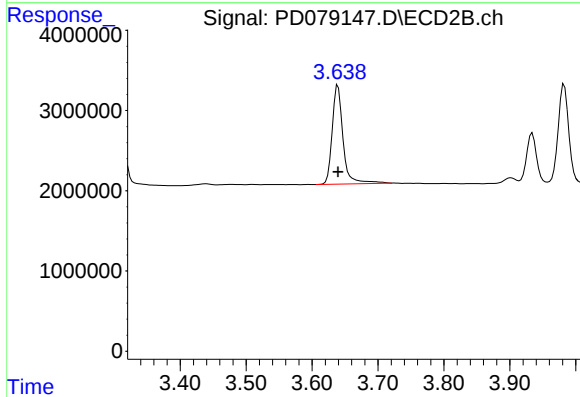
#3 gamma-BHC (Lindane)

R.T.: 4.361 min
Delta R.T.: 0.001 min
Response: 9893492
Conc: 3.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

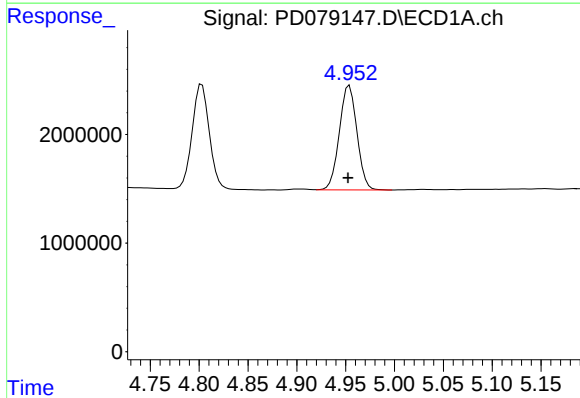
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



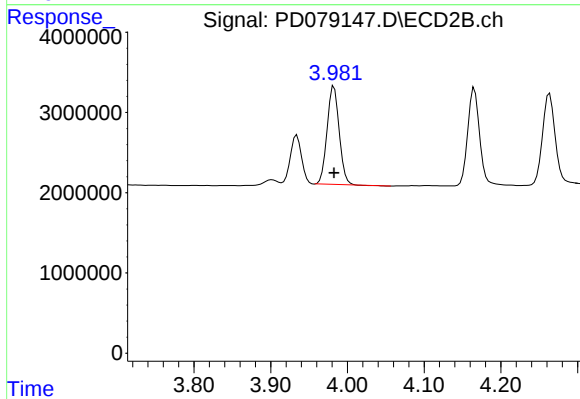
#3 gamma-BHC (Lindane)

R.T.: 3.639 min
Delta R.T.: 0.000 min
Response: 14123264
Conc: 4.16 ng/ml



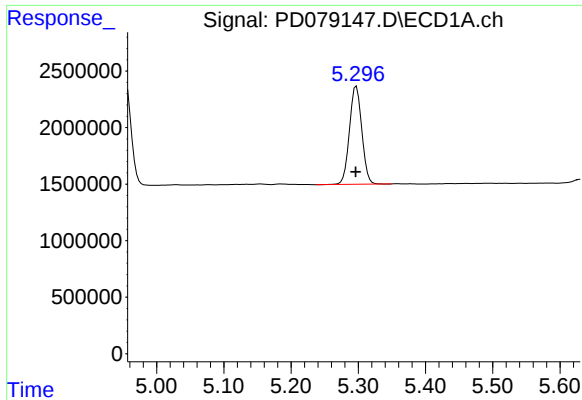
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: 0.001 min
Response: 12058485
Conc: 4.51 ng/ml



#4 Heptachlor

R.T.: 3.982 min
Delta R.T.: 0.000 min
Response: 13378615
Conc: 4.38 ng/ml



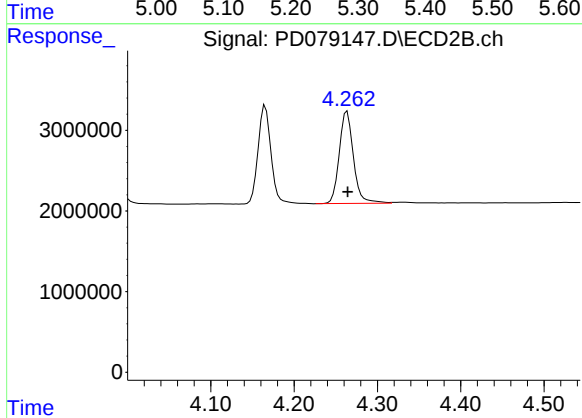
#5 Aldrin

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 11069620
Conc: 4.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

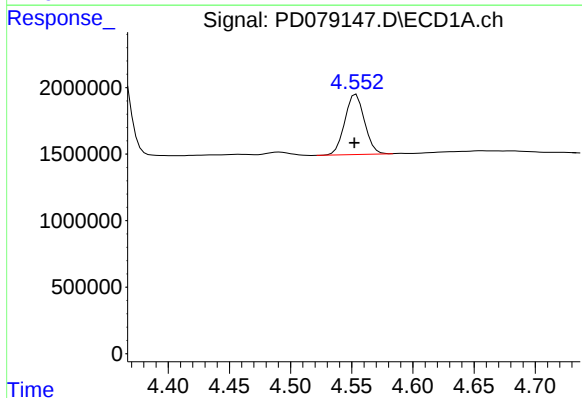
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



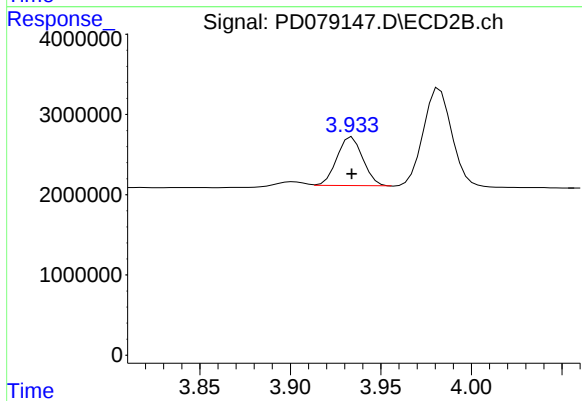
#5 Aldrin

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 13539264
Conc: 4.14 ng/ml



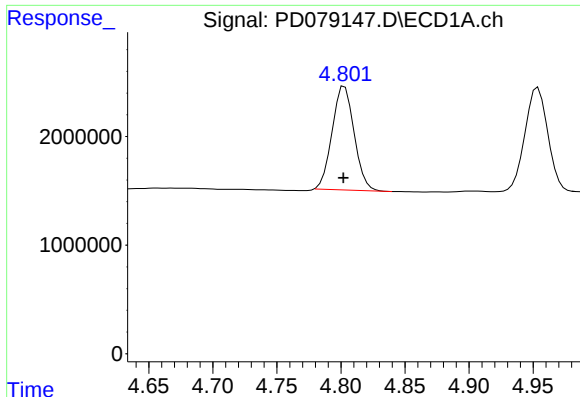
#6 beta-BHC

R.T.: 4.554 min
Delta R.T.: 0.001 min
Response: 5059714
Conc: 4.72 ng/ml



#6 beta-BHC

R.T.: 3.933 min
Delta R.T.: -0.001 min
Response: 6025226
Conc: 4.28 ng/ml m



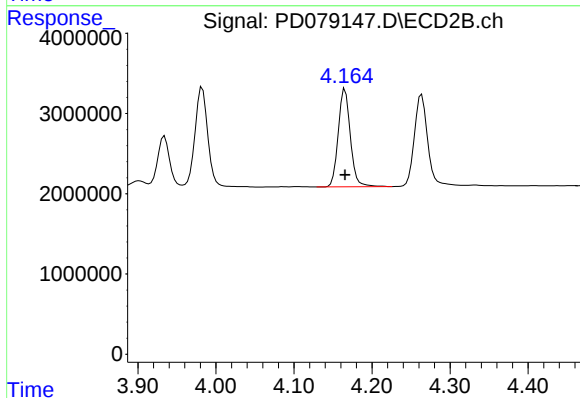
#7 delta-BHC

R.T.: 4.803 min
Delta R.T.: 0.000 min
Response: 11374125
Conc: 4.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

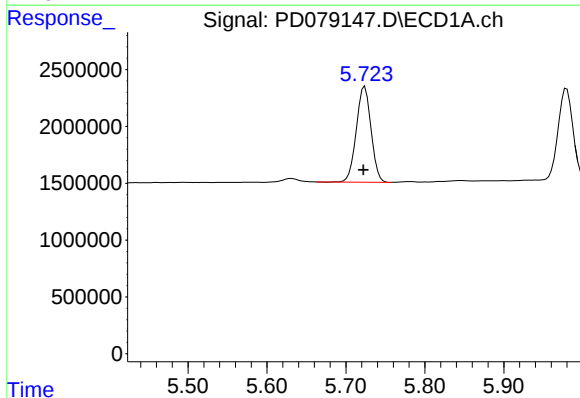
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



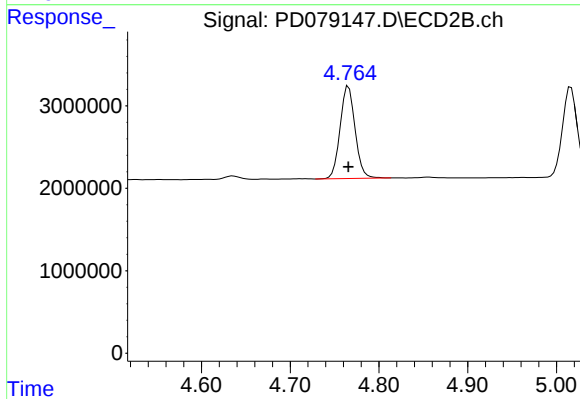
#7 delta-BHC

R.T.: 4.165 min
Delta R.T.: 0.000 min
Response: 13152884
Conc: 3.93 ng/ml



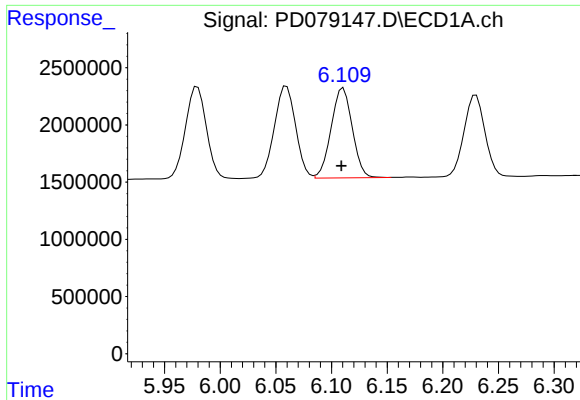
#8 Heptachlor epoxide

R.T.: 5.724 min
Delta R.T.: 0.002 min
Response: 10901736
Conc: 4.65 ng/ml



#8 Heptachlor epoxide

R.T.: 4.766 min
Delta R.T.: 0.000 min
Response: 13131621
Conc: 4.43 ng/ml



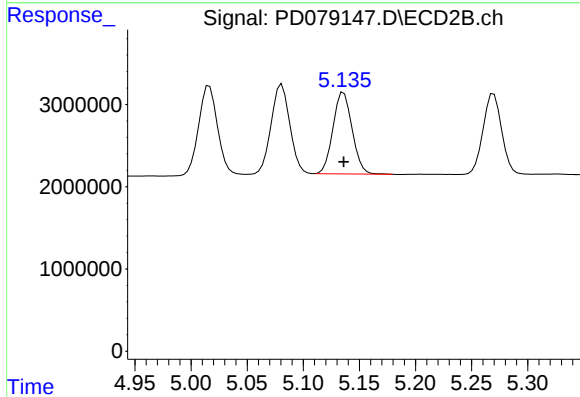
#9 Endosulfan I

R.T.: 6.111 min
Delta R.T.: 0.002 min
Response: 10365525
Conc: 4.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

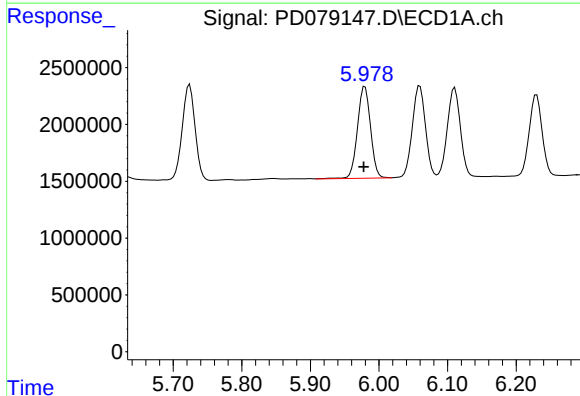
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



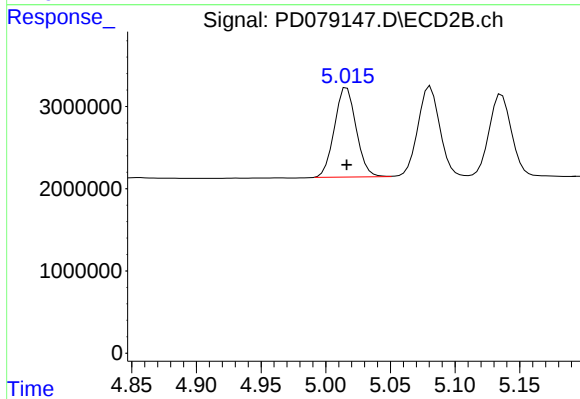
#9 Endosulfan I

R.T.: 5.136 min
Delta R.T.: 0.000 min
Response: 11796395
Conc: 4.46 ng/ml



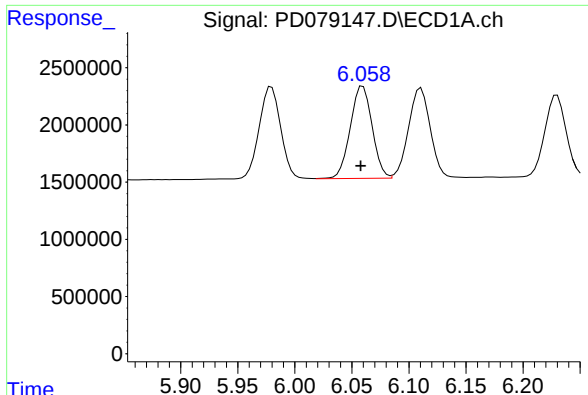
#10 gamma-Chlordane

R.T.: 5.980 min
Delta R.T.: 0.002 min
Response: 10744860
Conc: 4.69 ng/ml



#10 gamma-Chlordane

R.T.: 5.016 min
Delta R.T.: 0.000 min
Response: 12690543
Conc: 4.42 ng/ml



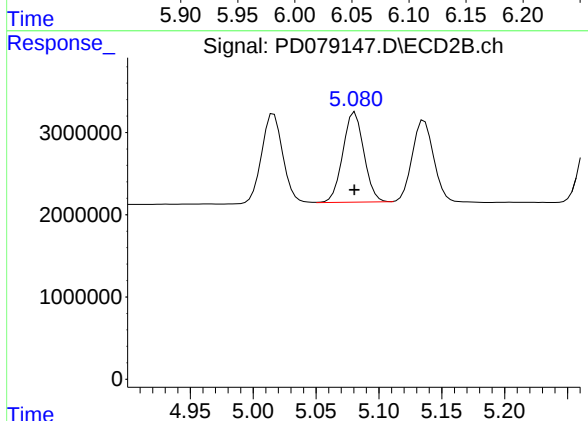
#11 alpha-Chlordane

R.T.: 6.060 min
Delta R.T.: 0.002 min
Response: 10755561
Conc: 4.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

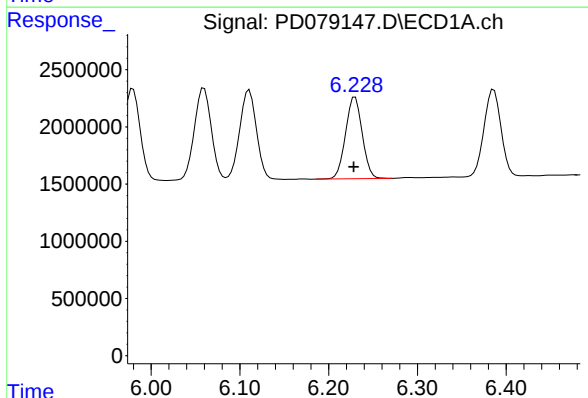
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



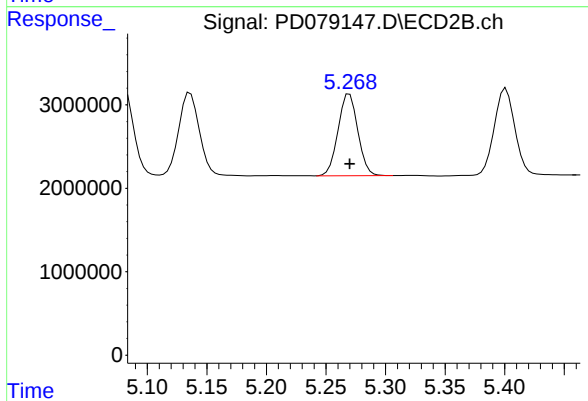
#11 alpha-Chlordane

R.T.: 5.081 min
Delta R.T.: 0.000 min
Response: 12746295
Conc: 4.44 ng/ml



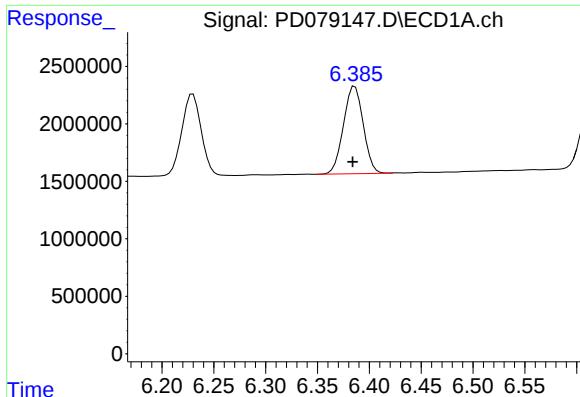
#12 4,4'-DDE

R.T.: 6.230 min
Delta R.T.: 0.002 min
Response: 9325001
Conc: 4.41 ng/ml



#12 4,4'-DDE

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 11299693
Conc: 4.24 ng/ml



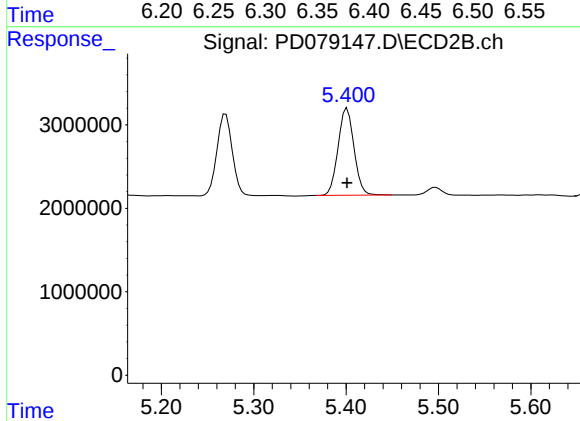
#13 Dieldrin

R.T.: 6.386 min
Delta R.T.: 0.002 min
Response: 10120430
Conc: 4.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

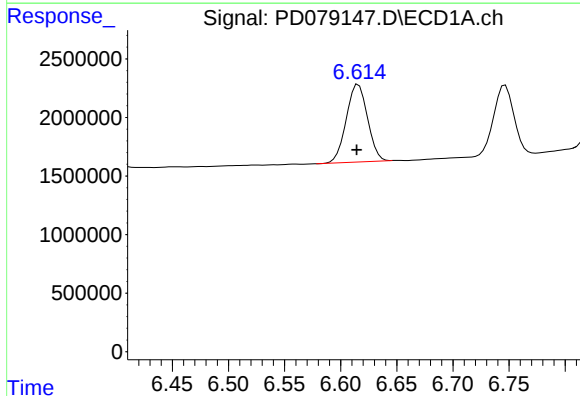
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



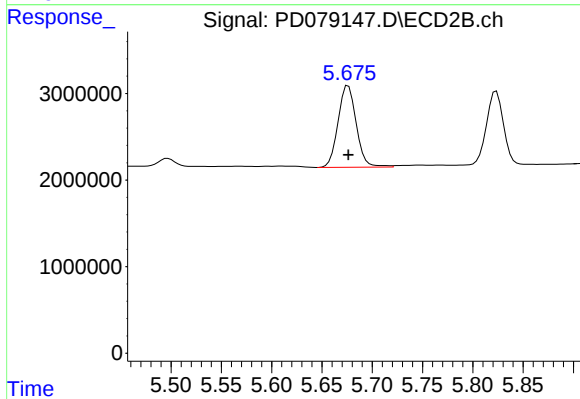
#13 Dieldrin

R.T.: 5.401 min
Delta R.T.: 0.000 min
Response: 12531037
Conc: 4.22 ng/ml



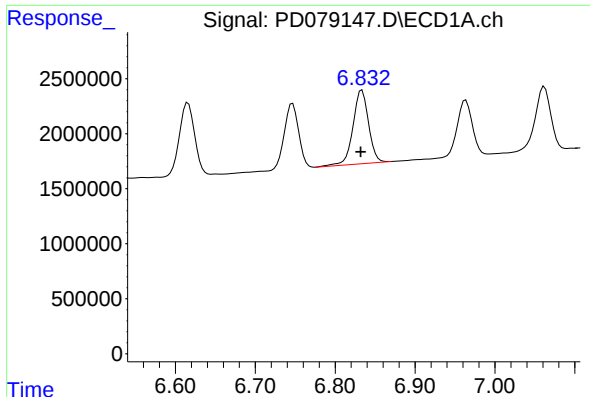
#14 Endrin

R.T.: 6.616 min
Delta R.T.: 0.002 min
Response: 8711302
Conc: 4.47 ng/ml



#14 Endrin

R.T.: 5.676 min
Delta R.T.: 0.000 min
Response: 11894627
Conc: 4.65 ng/ml



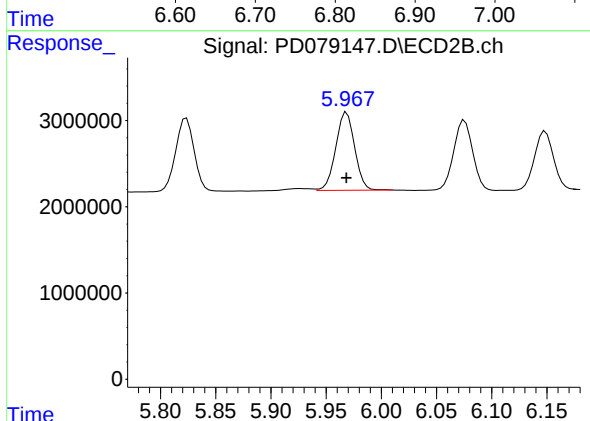
#15 Endosulfan II

R.T.: 6.834 min
Delta R.T.: 0.002 min
Response: 9147200
Conc: 4.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

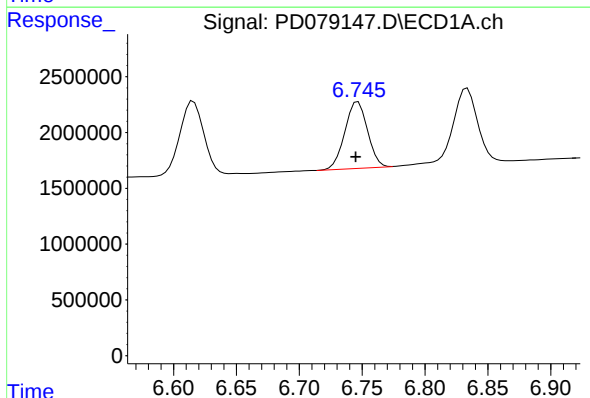
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



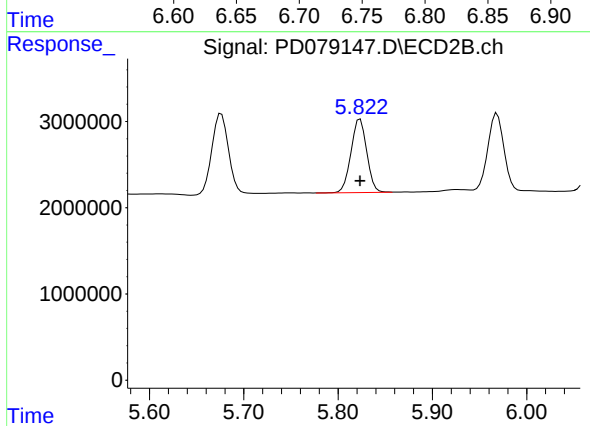
#15 Endosulfan II

R.T.: 5.969 min
Delta R.T.: 0.000 min
Response: 10782225
Conc: 4.32 ng/ml



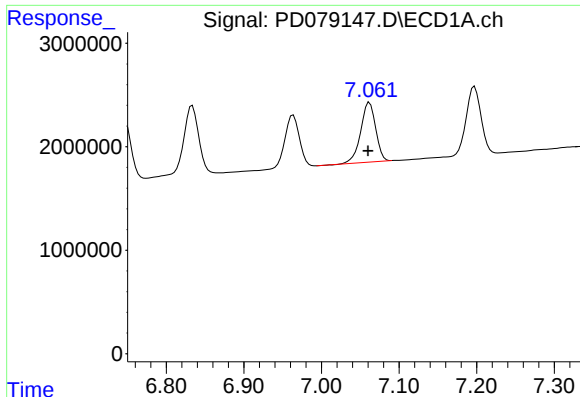
#16 4,4'-DDD

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 7520774
Conc: 4.28 ng/ml m



#16 4,4'-DDD

R.T.: 5.823 min
Delta R.T.: 0.000 min
Response: 9904209
Conc: 4.34 ng/ml



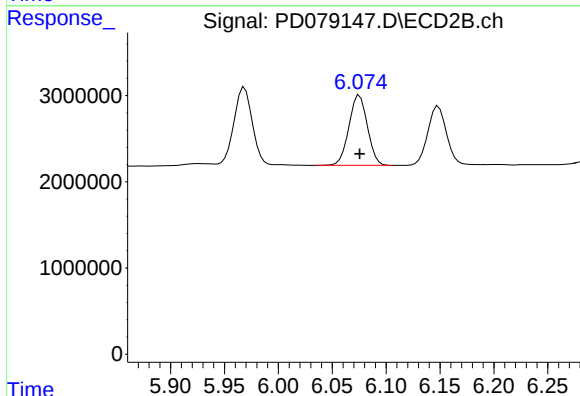
#17 4,4'-DDT

R.T.: 7.062 min
Delta R.T.: 0.002 min
Response: 7748239
Conc: 4.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

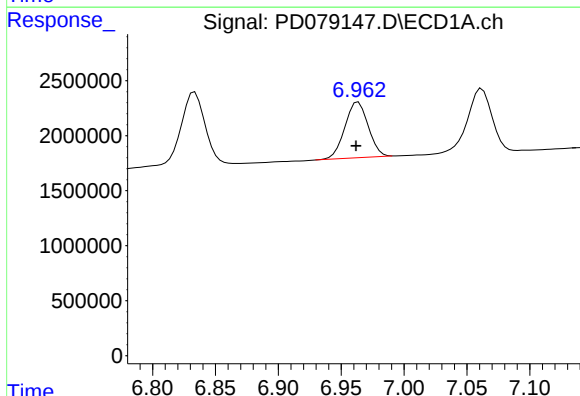
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



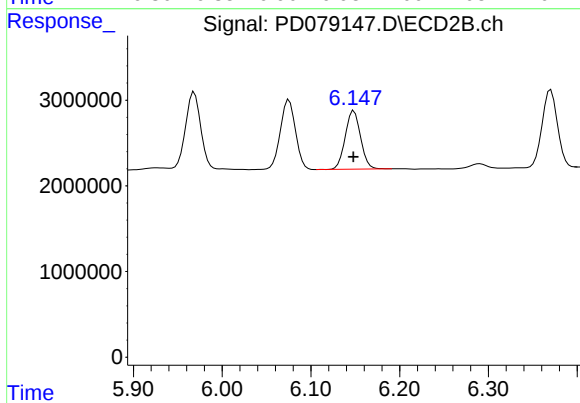
#17 4,4'-DDT

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 9749776
Conc: 4.26 ng/ml



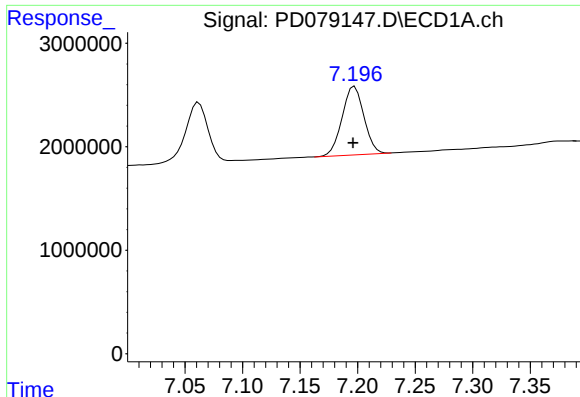
#18 Endrin aldehyde

R.T.: 6.962 min
Delta R.T.: 0.000 min
Response: 6547164
Conc: 4.24 ng/ml m



#18 Endrin aldehyde

R.T.: 6.149 min
Delta R.T.: 0.000 min
Response: 8209997
Conc: 4.42 ng/ml



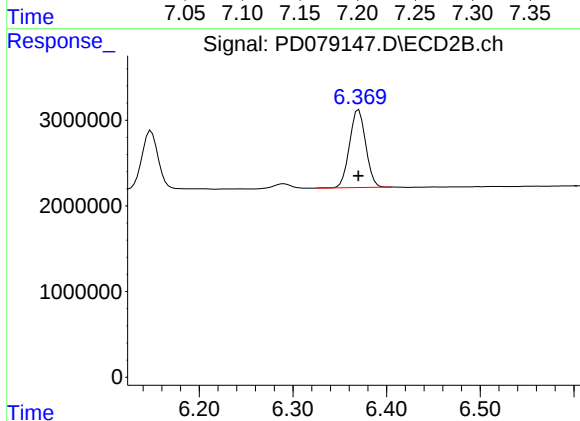
#19 Endosulfan Sulfate

R.T.: 7.197 min
Delta R.T.: 0.001 min
Response: 8747178
Conc: 4.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

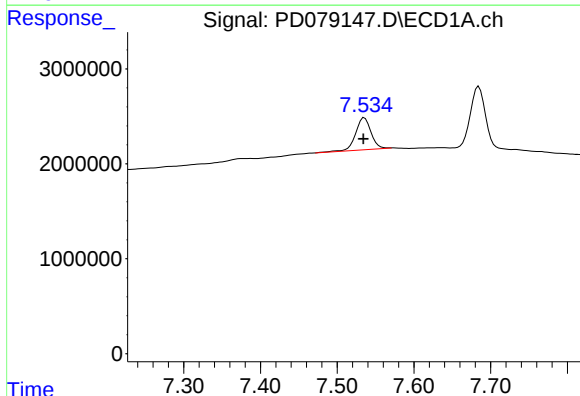
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



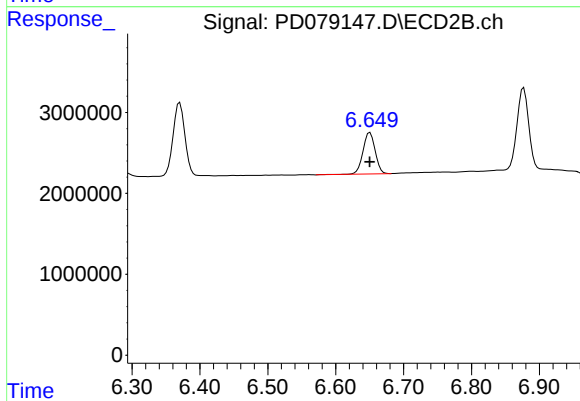
#19 Endosulfan Sulfate

R.T.: 6.370 min
Delta R.T.: 0.000 min
Response: 10934781
Conc: 4.68 ng/ml



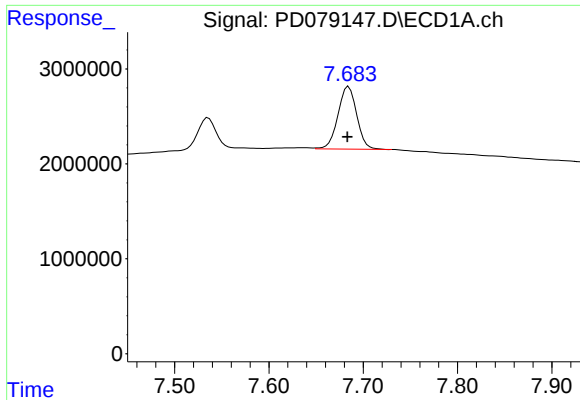
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: 0.002 min
Response: 4765435
Conc: 4.35 ng/ml



#20 Methoxychlor

R.T.: 6.650 min
Delta R.T.: 0.000 min
Response: 6379609
Conc: 4.70 ng/ml



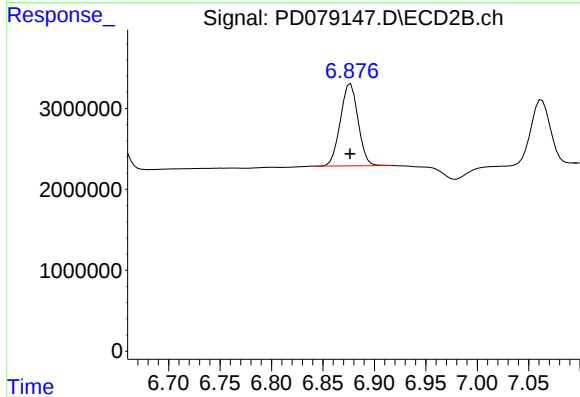
#21 Endrin ketone

R.T.: 7.685 min
Delta R.T.: 0.001 min
Response: 9110075
Conc: 4.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

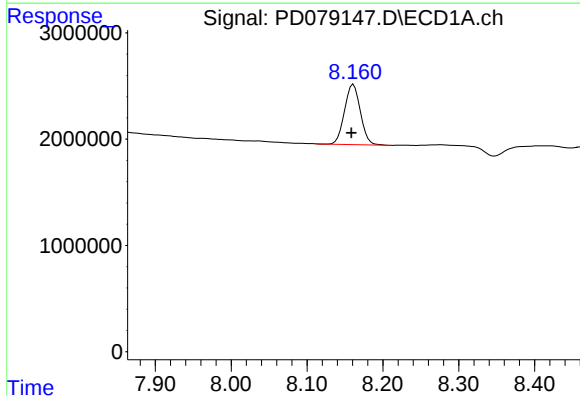
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



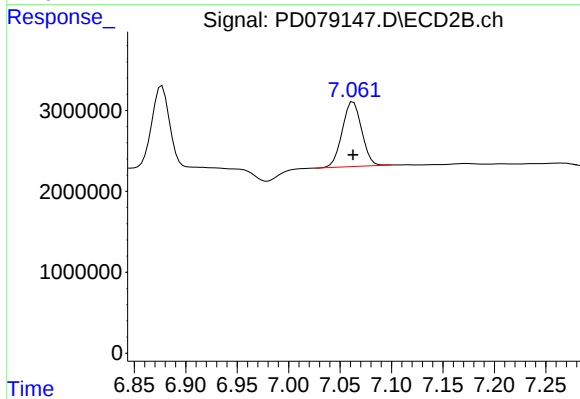
#21 Endrin ketone

R.T.: 6.877 min
Delta R.T.: 0.000 min
Response: 12173725
Conc: 4.35 ng/ml



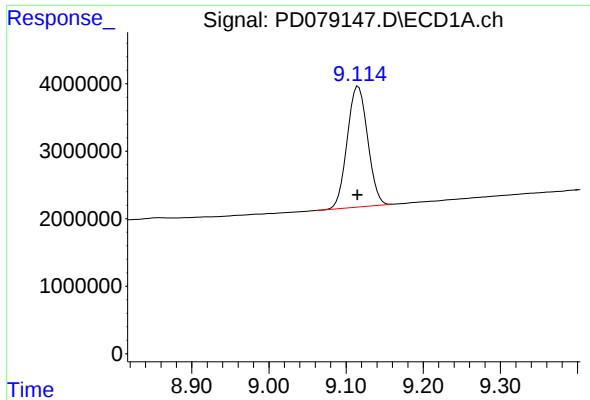
#22 Mirex

R.T.: 8.161 min
Delta R.T.: 0.002 min
Response: 8223525
Conc: 4.86 ng/ml



#22 Mirex

R.T.: 7.063 min
Delta R.T.: 0.000 min
Response: 10589843
Conc: 4.96 ng/ml



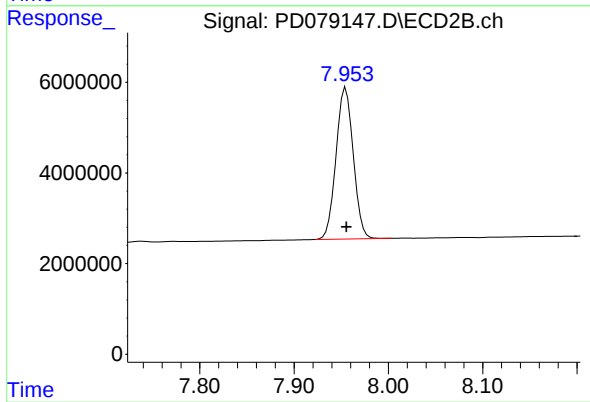
#28 Decachlorobiphenyl

R.T.: 9.116 min
Delta R.T.: 0.000 min
Response: 32877538
Conc: 16.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT4-2023

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/26/2023
Supervised By :Ankita Jodhani 10/26/2023



#28 Decachlorobiphenyl

R.T.: 7.955 min
Delta R.T.: 0.000 min
Response: 42444712
Conc: 17.41 ng/ml