

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081421\
 Data File : PD064952.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Aug 2021 07:51
 Operator : AR\AJ
 Sample : M2940-02
 Misc : PEST LOQ 5 PPB
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2021

Manual Integrations
 APPROVED

mohammad
 8/20/2021 5:41:11 PM

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 16 04:07:28 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081421.M
 Quant Title : GC Extractables
 QLast Update : Mon Aug 16 03:35:15 2021
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 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 x 0.50µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.509	4.020	36422567	402.8E6	18.637	19.836
28)	SA Decachlor...	8.280	9.105	48775382	233.5E6	19.847	21.014
Target Compounds							
2)	A alpha-BHC	3.952	4.416	14052333	173.8E6	4.664	5.479
3)	MA gamma-BHC...	4.237	4.702	14259909	157.3E6	5.058	5.466
4)	MA Heptachlor	4.538	5.207	14247335	167.9E6	4.859	5.656
5)	MB Aldrin	4.787	5.513	13790881	159.3E6	4.777	5.658
6)	B beta-BHC	4.487	4.877	7173915	109.9E6	5.769	5.273m
7)	B delta-BHC	4.693	5.095	12790942	150.0E6	4.563	5.304
8)	B Heptachlo...	5.233	5.903	13411666	144.9E6	4.991	5.667
9)	A Endosulfan I	5.573	6.262	12541494	133.9E6	4.950	5.676
10)	B gamma-Chl...	5.459	6.136	13595828	148.0E6	4.920	5.666
11)	B alpha-Chl...	5.518	6.209	13779031	144.5E6	5.037	5.701
12)	B 4,4'-DDE	5.681	6.367	12360858	132.2E6	4.702	5.439
13)	MA Dieldrin	5.817	6.520	13084247	135.7E6	4.776	5.503
14)	MA Endrin	6.075	6.739	11997640	108.7E6	4.984m	5.582
15)	B Endosulfa...	6.349	6.952	11766025	107.7E6	5.147	5.609
16)	A 4,4'-DDD	6.199	6.862	11145506	112.3E6	4.836	5.911
17)	MA 4,4'-DDT	6.441	7.161	11448021	106.0E6	4.766	5.325
18)	B Endrin al...	6.519	7.078	9793697	91183458	5.350	5.803
19)	B Endosulfa...	6.732	7.300	12215700	110.7E6	5.288	5.740
20)	A Methoxychlor	6.990	7.621	7832317	55534151	5.586	5.846
21)	B Endrin ke...	7.228	7.775	15118849	108.2E6	5.254	5.671
22)	Mirex	7.414	8.225	12854293	76652314	5.793	6.082

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081421\
Data File : PD064952.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2021 07:51
Operator : AR\AJ
Sample : M2940-02
Misc : PEST LOQ 5 PPB
ALS Vial : 45 Sample Multiplier: 1

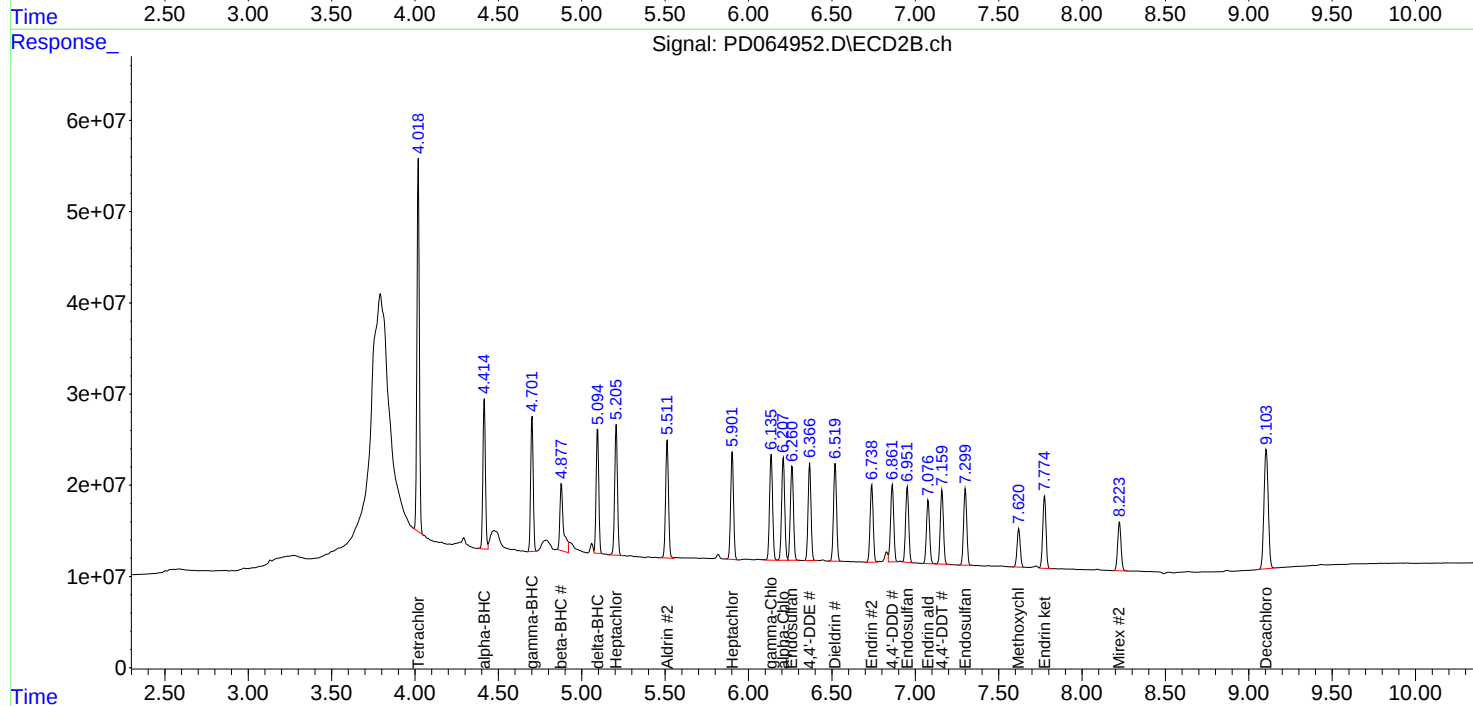
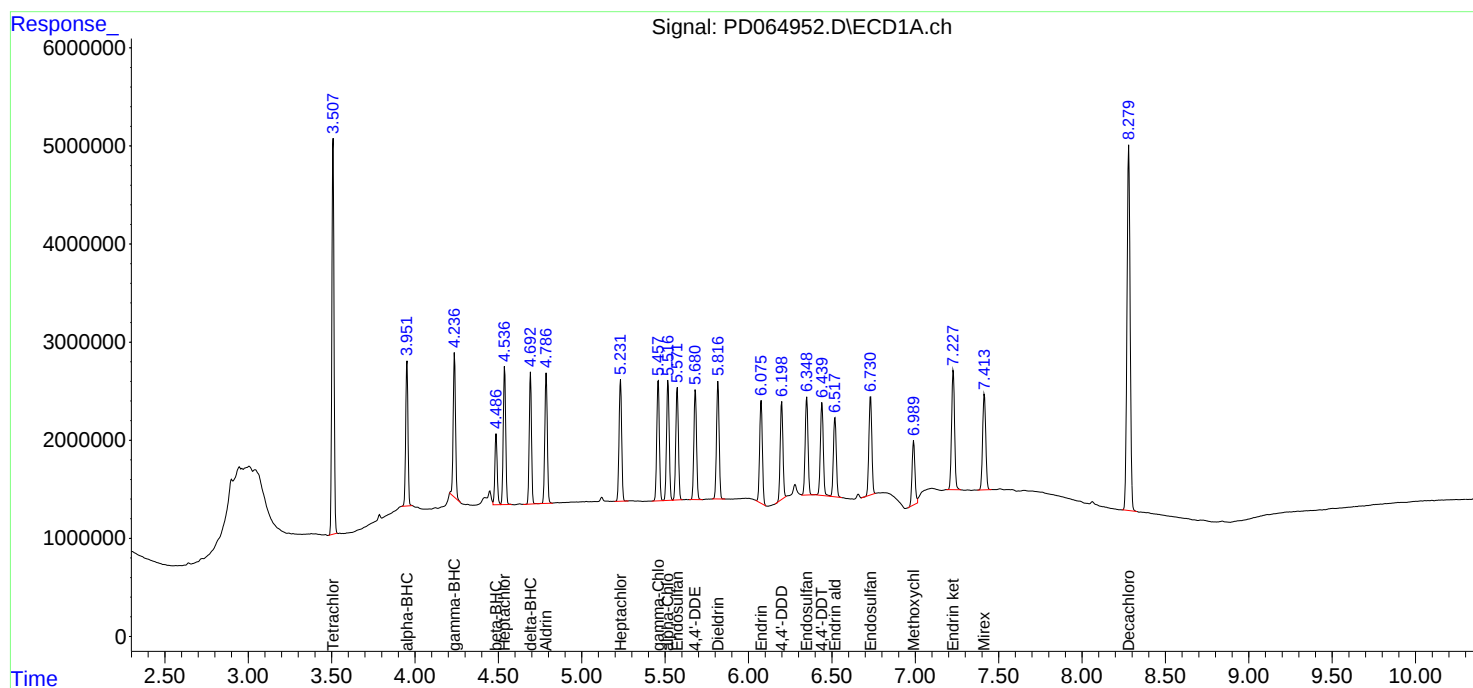
Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

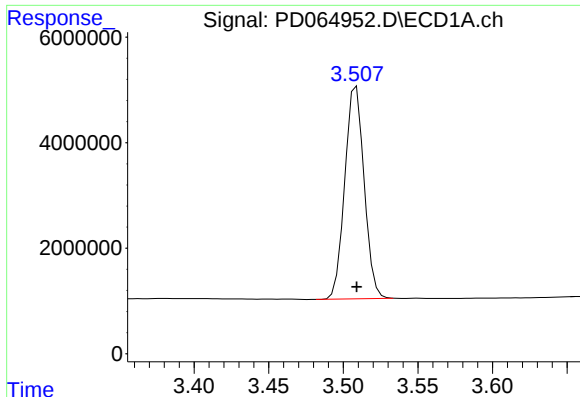
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 16 04:07:28 2021
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081421.M
Quant Title : GC Extractables
QLast Update : Mon Aug 16 03:35:15 2021
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 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 x 0.50µm





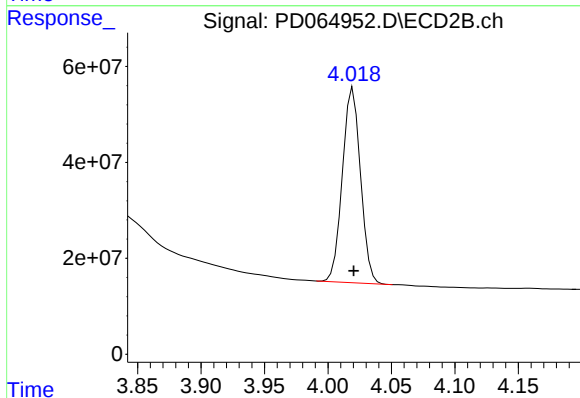
#1 Tetrachloro-m-xylene

R.T.: 3.509 min
Delta R.T.: 0.000 min
Response: 36422567
Conc: 18.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

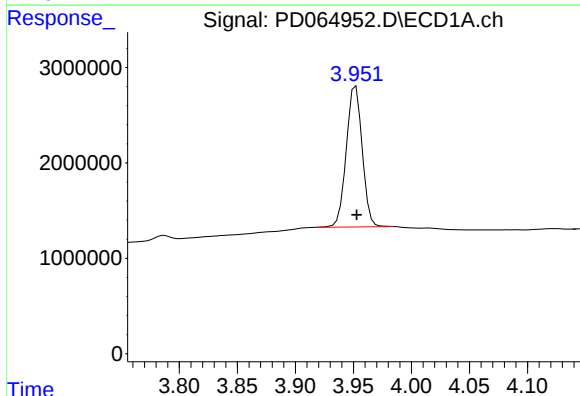
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



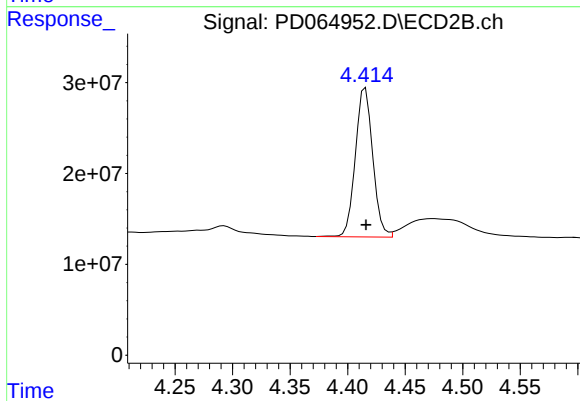
#1 Tetrachloro-m-xylene

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 402811563
Conc: 19.84 ng/ml



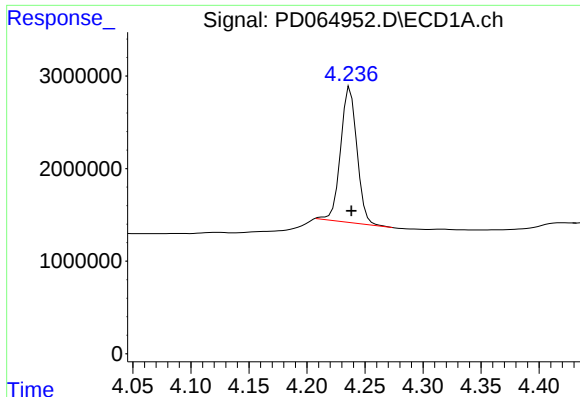
#2 alpha-BHC

R.T.: 3.952 min
Delta R.T.: 0.000 min
Response: 14052333
Conc: 4.66 ng/ml



#2 alpha-BHC

R.T.: 4.416 min
Delta R.T.: 0.000 min
Response: 173833503
Conc: 5.48 ng/ml



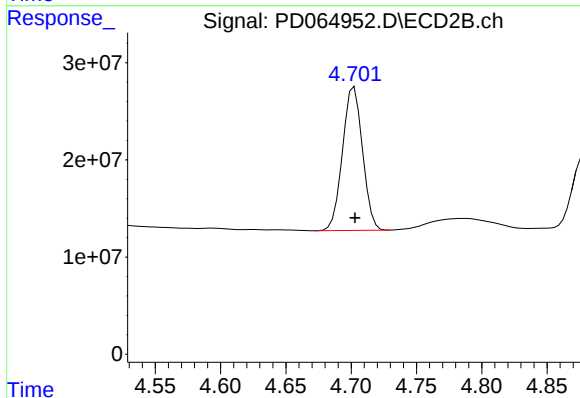
#3 gamma-BHC (Lindane)

R.T.: 4.237 min
Delta R.T.: -0.001 min
Response: 14259909
Conc: 5.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

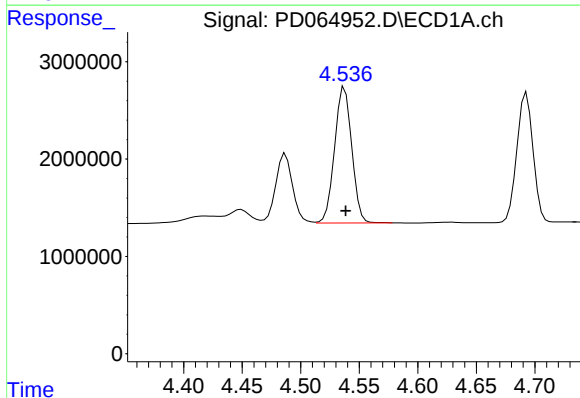
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



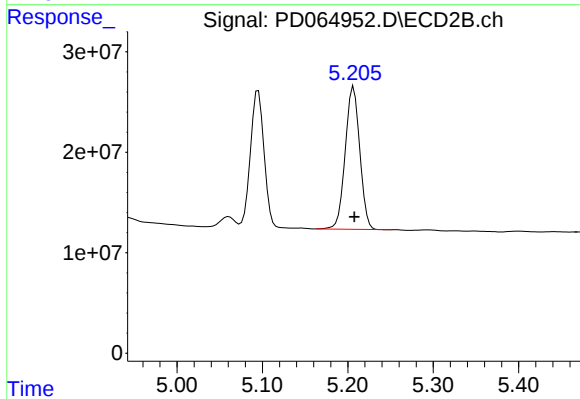
#3 gamma-BHC (Lindane)

R.T.: 4.702 min
Delta R.T.: 0.000 min
Response: 157310853
Conc: 5.47 ng/ml



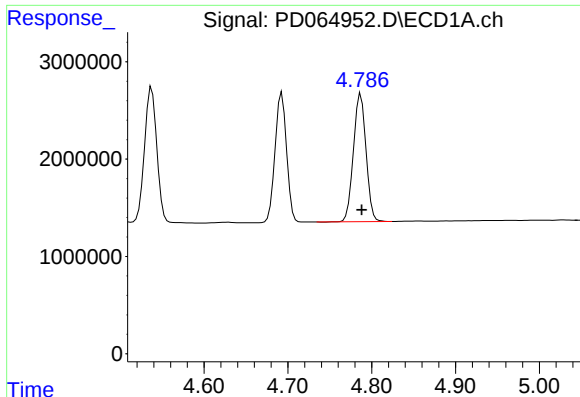
#4 Heptachlor

R.T.: 4.538 min
Delta R.T.: 0.000 min
Response: 14247335
Conc: 4.86 ng/ml



#4 Heptachlor

R.T.: 5.207 min
Delta R.T.: 0.000 min
Response: 167948327
Conc: 5.66 ng/ml



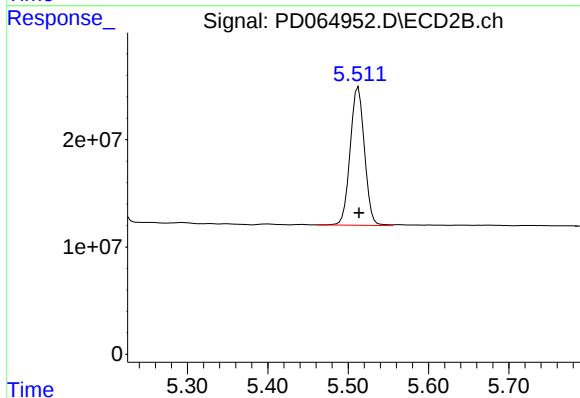
#5 Aldrin

R.T.: 4.787 min
Delta R.T.: -0.001 min
Response: 13790881
Conc: 4.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

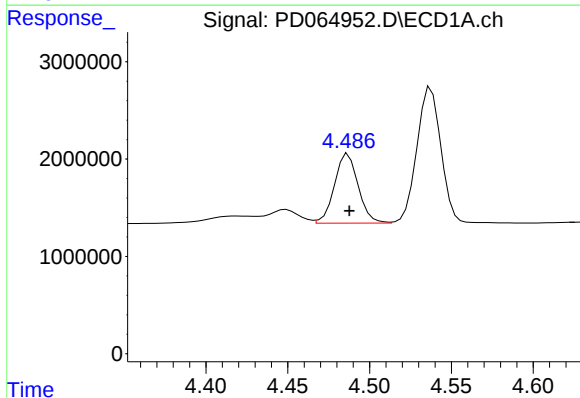
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



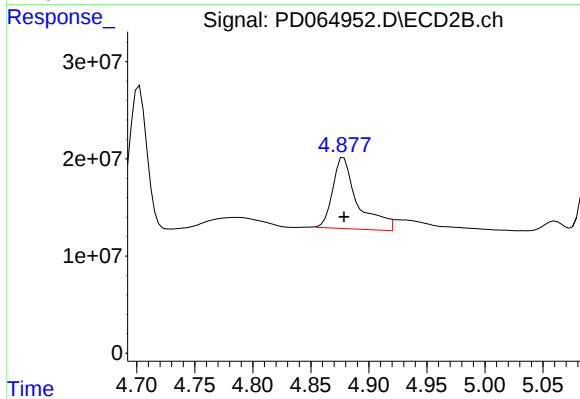
#5 Aldrin

R.T.: 5.513 min
Delta R.T.: -0.001 min
Response: 159292104
Conc: 5.66 ng/ml



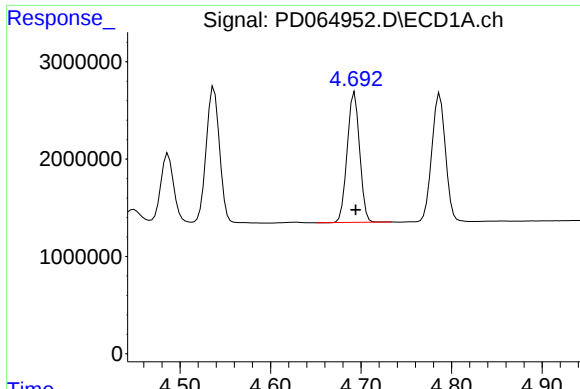
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 7173915
Conc: 5.77 ng/ml



#6 beta-BHC

R.T.: 4.877 min
Delta R.T.: -0.002 min
Response: 109931238
Conc: 5.27 ng/ml m



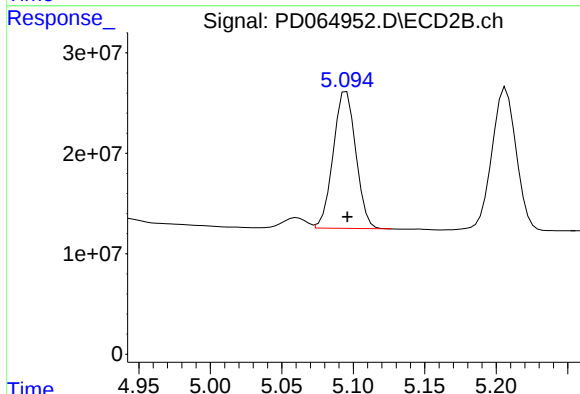
#7 delta-BHC

R.T.: 4.693 min
Delta R.T.: -0.001 min
Response: 12790942
Conc: 4.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

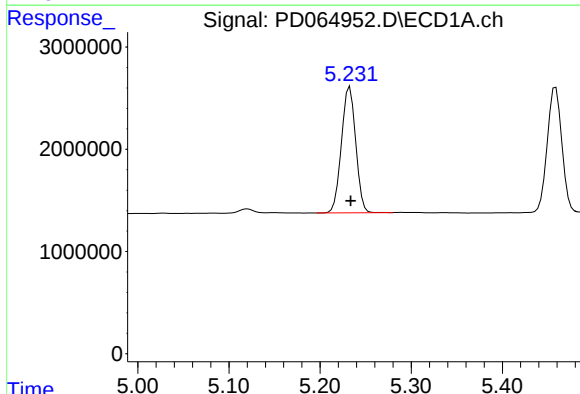
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



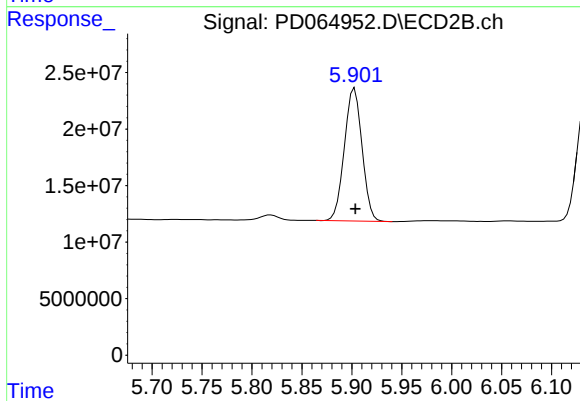
#7 delta-BHC

R.T.: 5.095 min
Delta R.T.: 0.000 min
Response: 150022382
Conc: 5.30 ng/ml



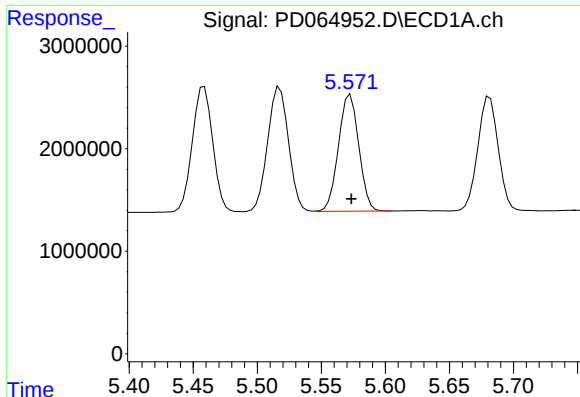
#8 Heptachlor epoxide

R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 13411666
Conc: 4.99 ng/ml



#8 Heptachlor epoxide

R.T.: 5.903 min
Delta R.T.: 0.000 min
Response: 144916452
Conc: 5.67 ng/ml



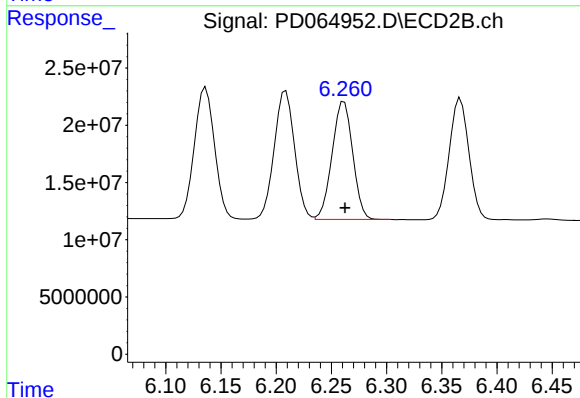
#9 Endosulfan I

R.T.: 5.573 min
Delta R.T.: 0.000 min
Response: 12541494
Conc: 4.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

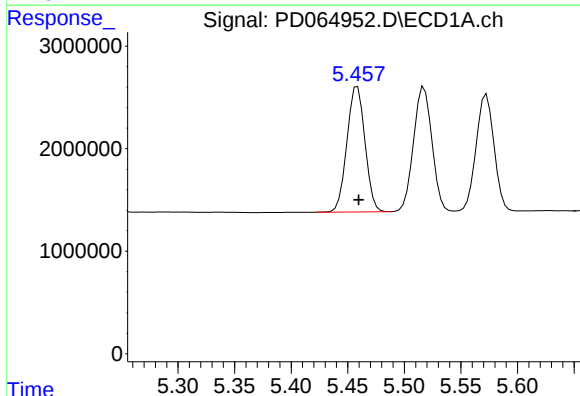
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



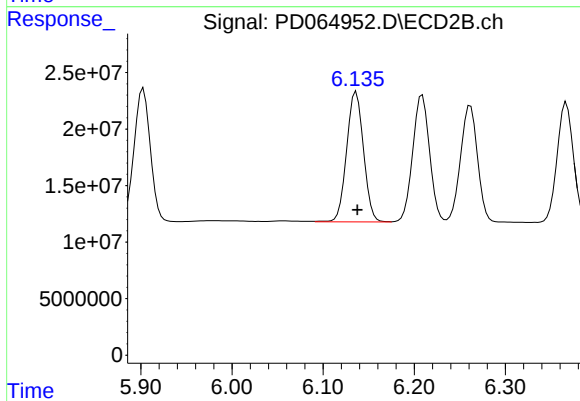
#9 Endosulfan I

R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 133919759
Conc: 5.68 ng/ml



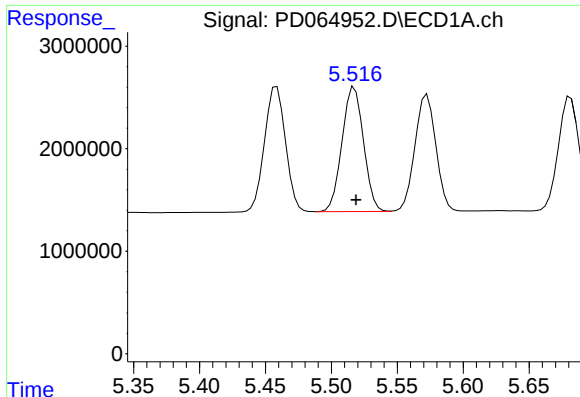
#10 gamma-Chlordane

R.T.: 5.459 min
Delta R.T.: -0.001 min
Response: 13595828
Conc: 4.92 ng/ml



#10 gamma-Chlordane

R.T.: 6.136 min
Delta R.T.: -0.001 min
Response: 147984983
Conc: 5.67 ng/ml



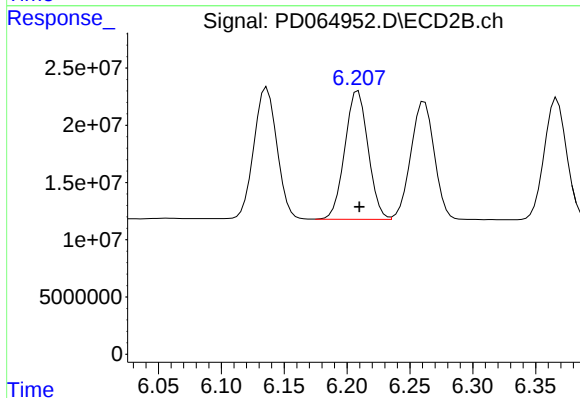
#11 alpha-Chlordane

R.T.: 5.518 min
Delta R.T.: -0.001 min
Response: 13779031
Conc: 5.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

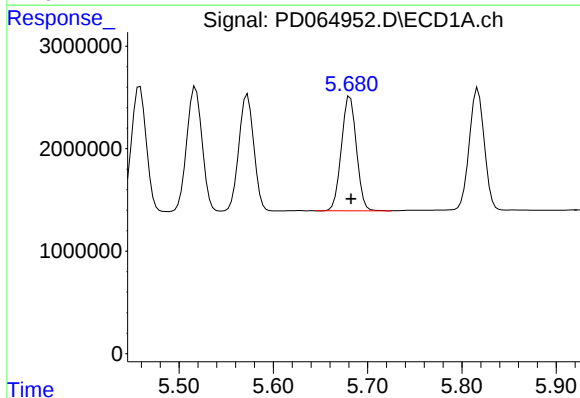
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



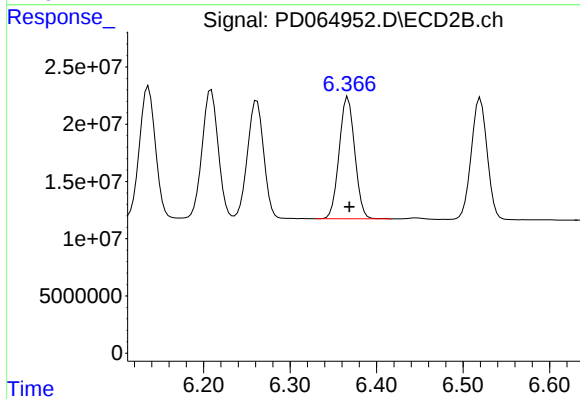
#11 alpha-Chlordane

R.T.: 6.209 min
Delta R.T.: -0.001 min
Response: 144537578
Conc: 5.70 ng/ml



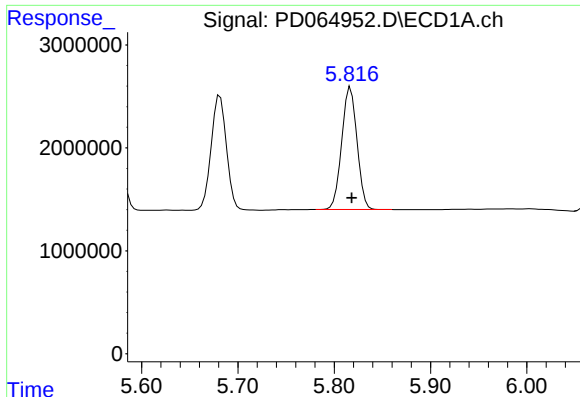
#12 4,4'-DDE

R.T.: 5.681 min
Delta R.T.: -0.001 min
Response: 12360858
Conc: 4.70 ng/ml



#12 4,4'-DDE

R.T.: 6.367 min
Delta R.T.: -0.002 min
Response: 132181501
Conc: 5.44 ng/ml



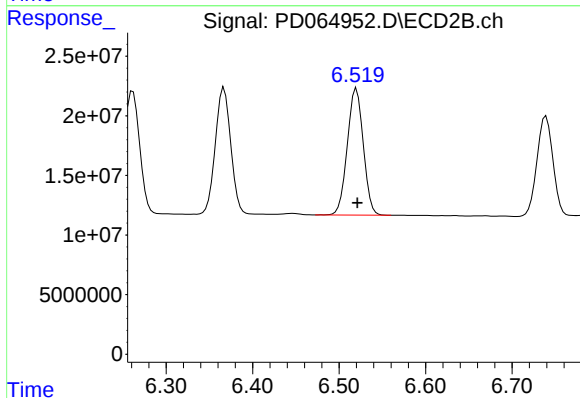
#13 Dieldrin

R.T.: 5.817 min
Delta R.T.: -0.001 min
Response: 13084247
Conc: 4.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

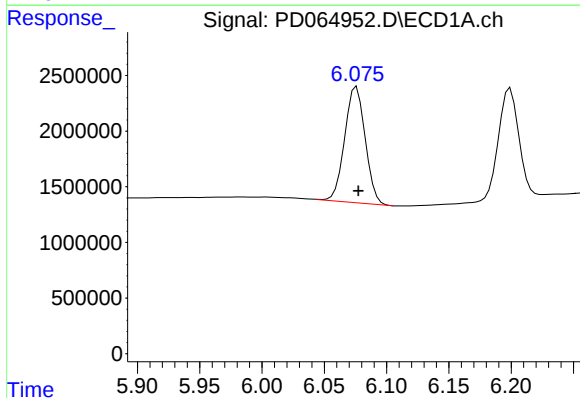
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



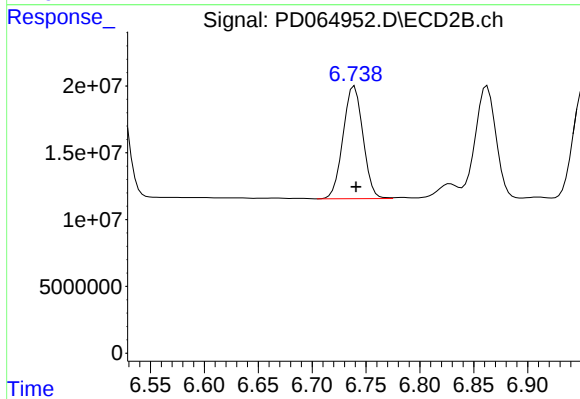
#13 Dieldrin

R.T.: 6.520 min
Delta R.T.: 0.000 min
Response: 135734448
Conc: 5.50 ng/ml



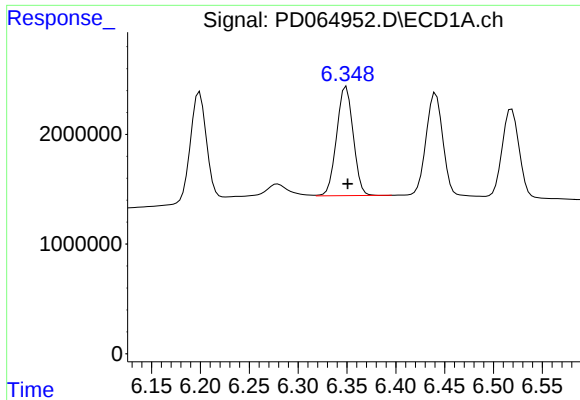
#14 Endrin

R.T.: 6.075 min
Delta R.T.: -0.003 min
Response: 11997640
Conc: 4.98 ng/ml m



#14 Endrin

R.T.: 6.739 min
Delta R.T.: -0.002 min
Response: 108739844
Conc: 5.58 ng/ml



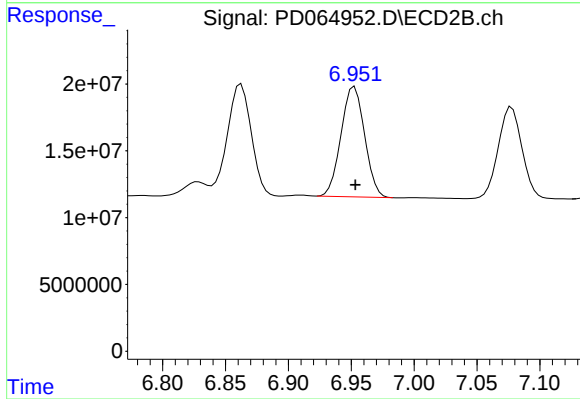
#15 Endosulfan II

R.T.: 6.349 min
Delta R.T.: -0.001 min
Response: 11766025
Conc: 5.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

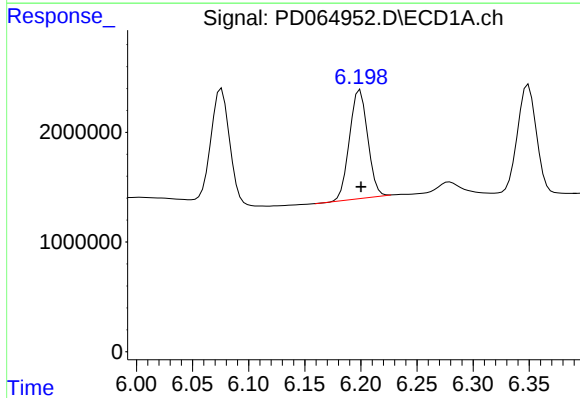
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



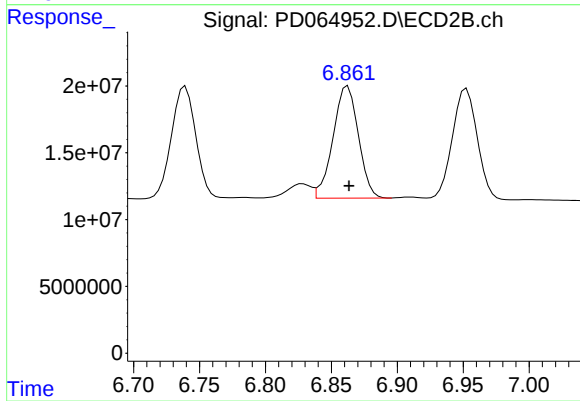
#15 Endosulfan II

R.T.: 6.952 min
Delta R.T.: 0.000 min
Response: 107686957
Conc: 5.61 ng/ml



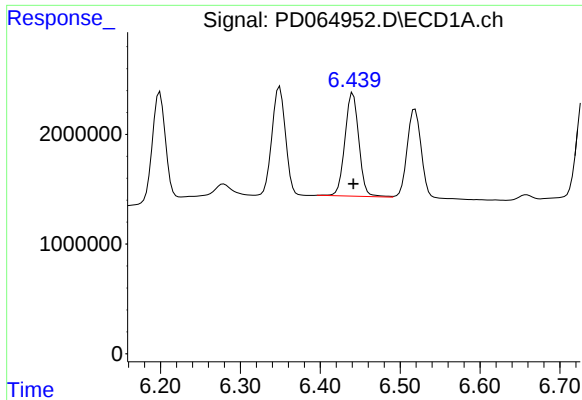
#16 4,4'-DDD

R.T.: 6.199 min
Delta R.T.: 0.000 min
Response: 11145506
Conc: 4.84 ng/ml



#16 4,4'-DDD

R.T.: 6.862 min
Delta R.T.: 0.000 min
Response: 112315383
Conc: 5.91 ng/ml



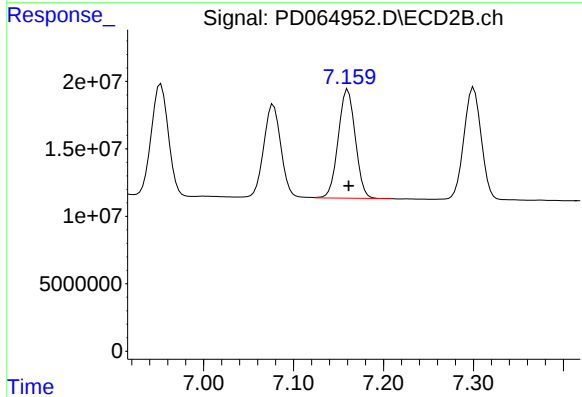
#17 4,4'-DDT

R.T.: 6.441 min
Delta R.T.: 0.000 min
Response: 11448021
Conc: 4.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

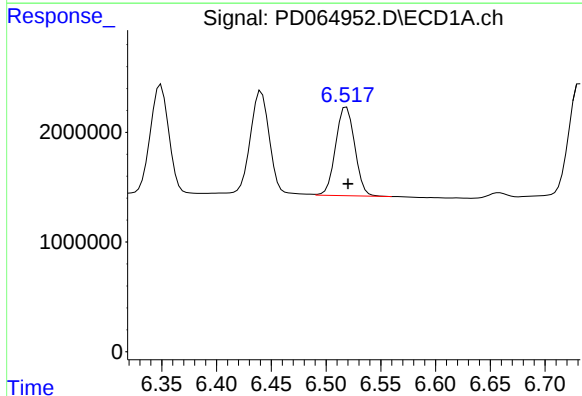
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



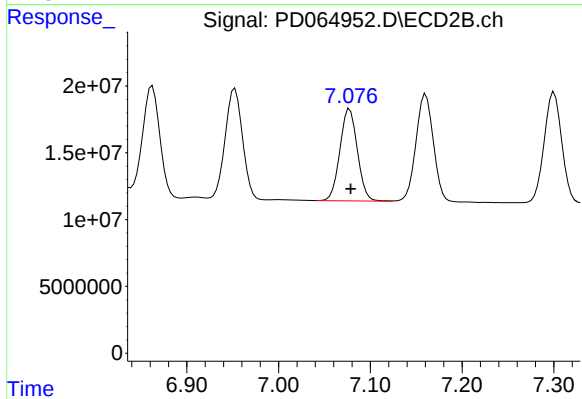
#17 4,4'-DDT

R.T.: 7.161 min
Delta R.T.: 0.000 min
Response: 106042605
Conc: 5.33 ng/ml



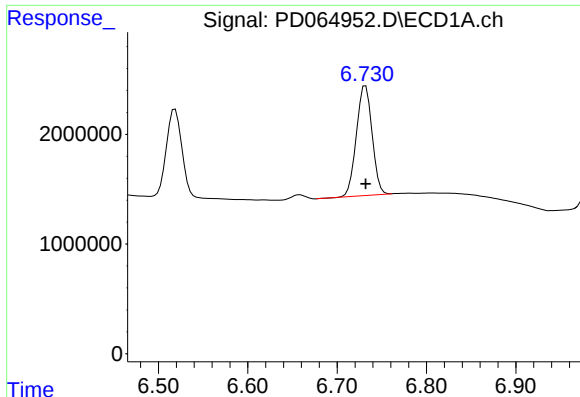
#18 Endrin aldehyde

R.T.: 6.519 min
Delta R.T.: -0.001 min
Response: 9793697
Conc: 5.35 ng/ml



#18 Endrin aldehyde

R.T.: 7.078 min
Delta R.T.: 0.000 min
Response: 91183458
Conc: 5.80 ng/ml



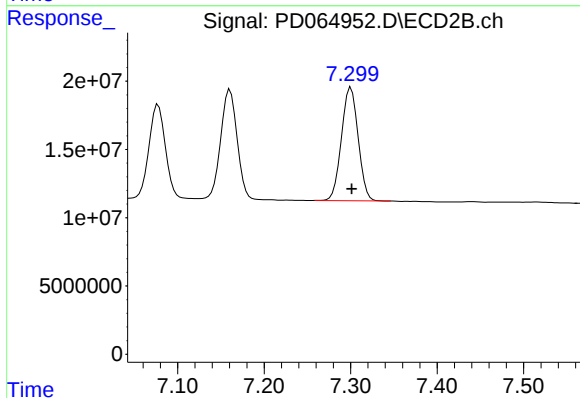
#19 Endosulfan Sulfate

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 12215700
Conc: 5.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

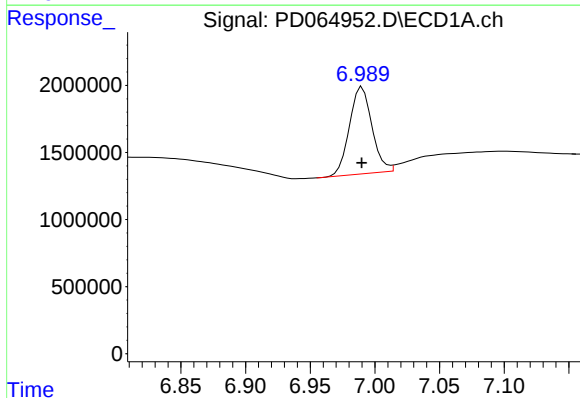
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



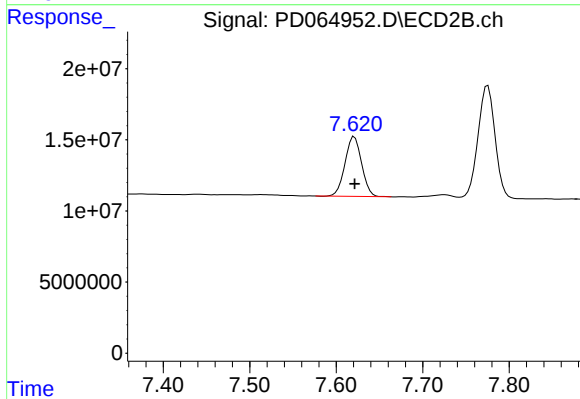
#19 Endosulfan Sulfate

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 110726168
Conc: 5.74 ng/ml



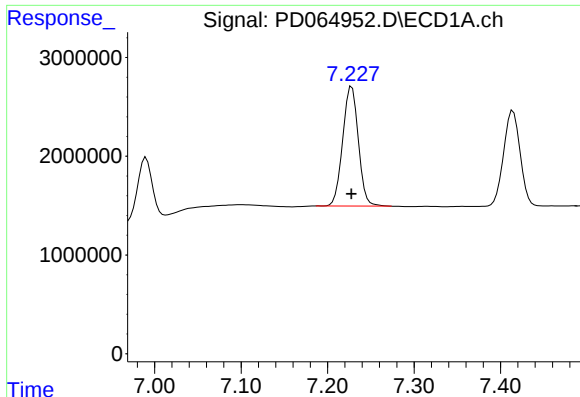
#20 Methoxychlor

R.T.: 6.990 min
Delta R.T.: 0.000 min
Response: 7832317
Conc: 5.59 ng/ml



#20 Methoxychlor

R.T.: 7.621 min
Delta R.T.: 0.000 min
Response: 55534151
Conc: 5.85 ng/ml



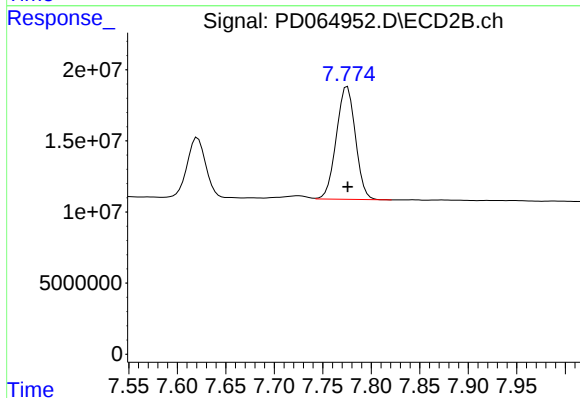
#21 Endrin ketone

R.T.: 7.228 min
Delta R.T.: 0.000 min
Response: 15118849
Conc: 5.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

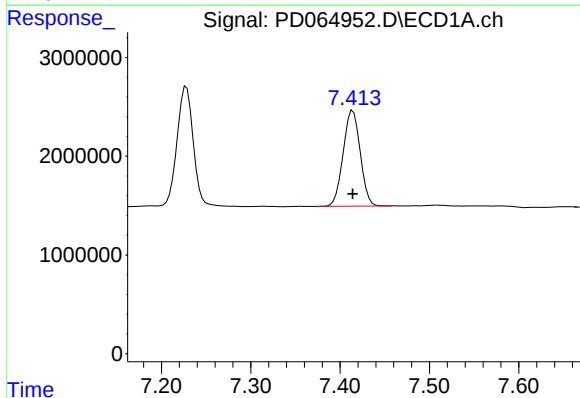
Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



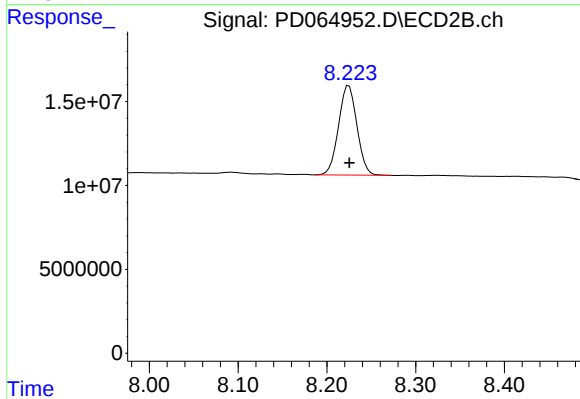
#21 Endrin ketone

R.T.: 7.775 min
Delta R.T.: 0.000 min
Response: 108186903
Conc: 5.67 ng/ml



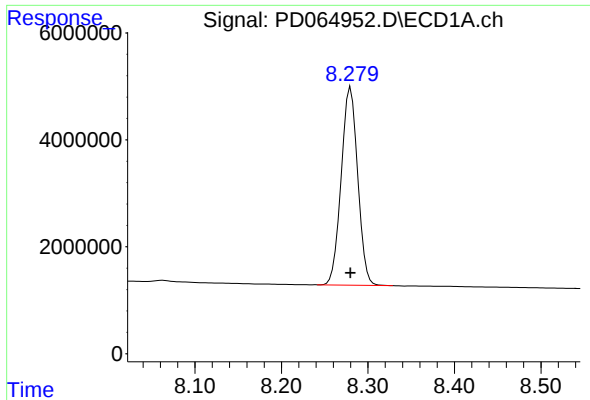
#22 Mirex

R.T.: 7.414 min
Delta R.T.: 0.000 min
Response: 12854293
Conc: 5.79 ng/ml



#22 Mirex

R.T.: 8.225 min
Delta R.T.: 0.000 min
Response: 76652314
Conc: 6.08 ng/ml



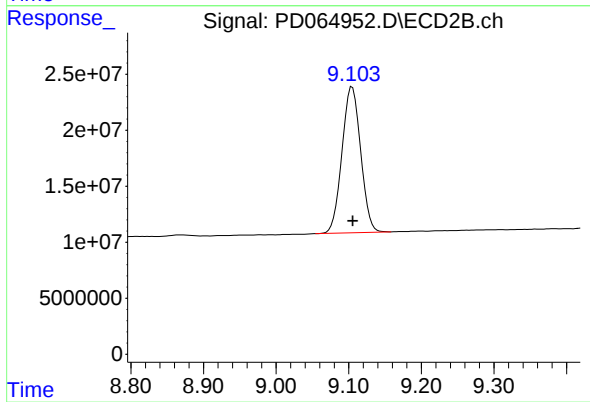
#28 Decachlorobiphenyl

R.T.: 8.280 min
Delta R.T.: 0.000 min
Response: 48775382
Conc: 19.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT3-2021

Manual Integrations
APPROVED

mohammad
8/20/2021 5:41:11 PM



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: 0.000 min
Response: 233547122
Conc: 21.01 ng/ml