

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD103021\
 Data File : PD066627.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Oct 2021 10:05
 Operator : AR\AJ
 Sample : M4068-01
 Misc : LOD 2.5 PPB
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/01/2021
 Supervised By : mohammad ahmed 11/10/2021

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 01 04:51:08 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD102821.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 28 02:17:57 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 x 0.2 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...	3.441	3.969	37768716	177.5E6	20.242	21.937
28)	SA Decachlor...	8.168	9.025	23443294	115.8E6	20.290	21.504
Target Compounds							
2)	A alpha-BHC	3.878	4.361	7906030	34850496	2.586	3.159m
3)	MA gamma-BHC...	4.160	4.647	8609334	29649045	2.851	2.975
4)	MA Heptachlor	4.454	5.147	7301570	31570020	2.461	3.221 #
5)	MB Aldrin	4.699	5.450	6931068	28172788	2.405	3.104 #
6)	B beta-BHC	4.409	4.824	3614955	17662925	2.894	3.793 #
7)	B delta-BHC	4.611	5.037	6353779	28032041	2.364	3.067m#
8)	B Heptachlo...	5.140	5.839	6703468	23453707	2.592	3.236
9)	A Endosulfan I	5.476	6.197	6246678	25361668	2.630	3.216
10)	B gamma-Chl...	5.364	6.073	6716420	26393969	2.578	3.164
11)	B alpha-Chl...	5.422	6.145	6715871	27208437	2.617	3.280 #
12)	B 4,4'-DDE	5.586	6.305	5603876	23838205	2.405	3.025 #
13)	MA Dieldrin	5.718	6.455	6480196	25681434	2.590	3.095
14)	MA Endrin	5.975	6.673	5075888	21452389	2.425	3.117 #
15)	B Endosulfa...	6.247	6.886	5671609	22824260	2.852m	3.233m
16)	A 4,4'-DDD	6.099	6.799	4397120	21032774	2.345m	3.095 #
17)	MA 4,4'-DDT	6.338	7.096	4348156	19094197	2.261	2.633
18)	B Endrin al...	6.417	7.012	5028444	20283480	3.253	3.566
19)	B Endosulfa...	6.628	7.235	5224804	24407290	2.807	3.365
20)	A Methoxychlor	6.886	7.559	2908925	13151239	2.817	3.228
21)	B Endrin ke...	7.119	7.707	6754942	29054667	3.096	3.455m
22)	Mirex	7.300	8.157	4883407	21419276	3.139	3.622

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD103021\
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 Acq On : 29 Oct 2021 10:05
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 Sample : M4068-01
 Misc : LOD 2.5 PPB
 ALS Vial : 7 Sample Multiplier: 1

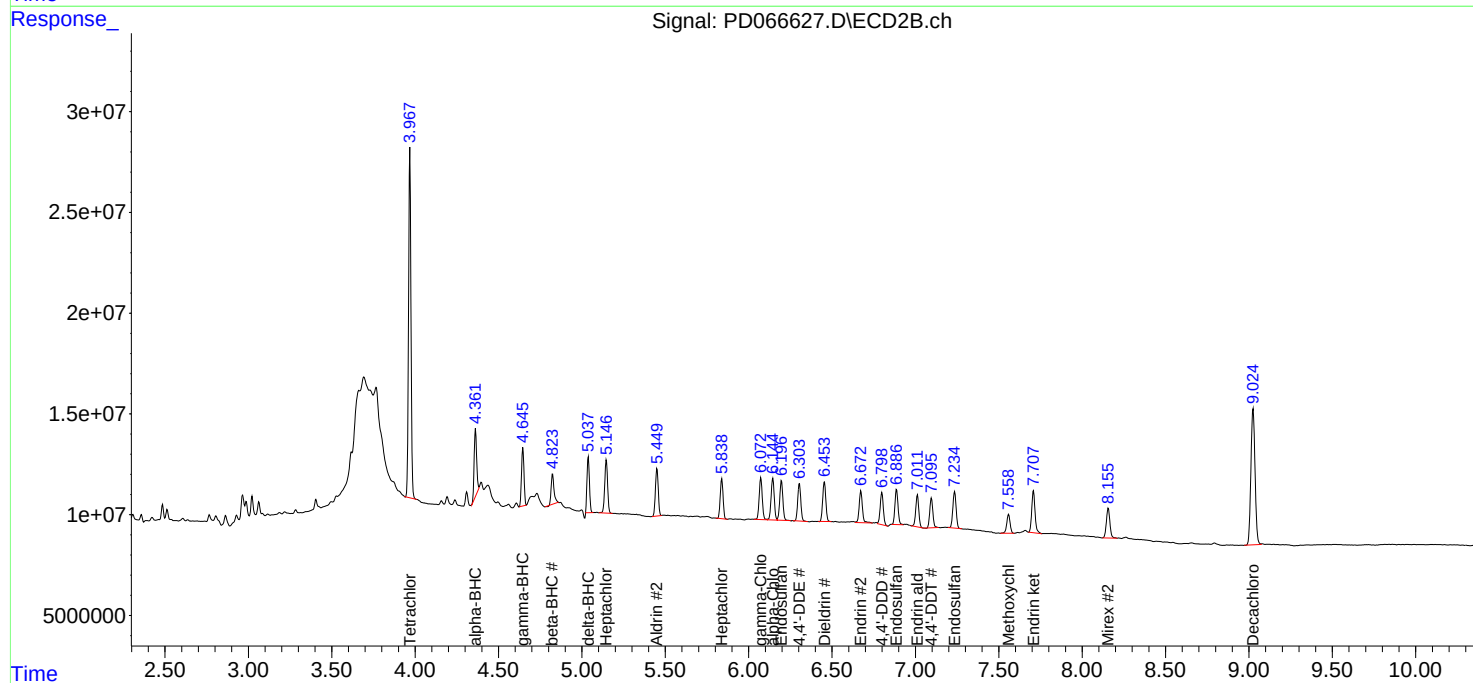
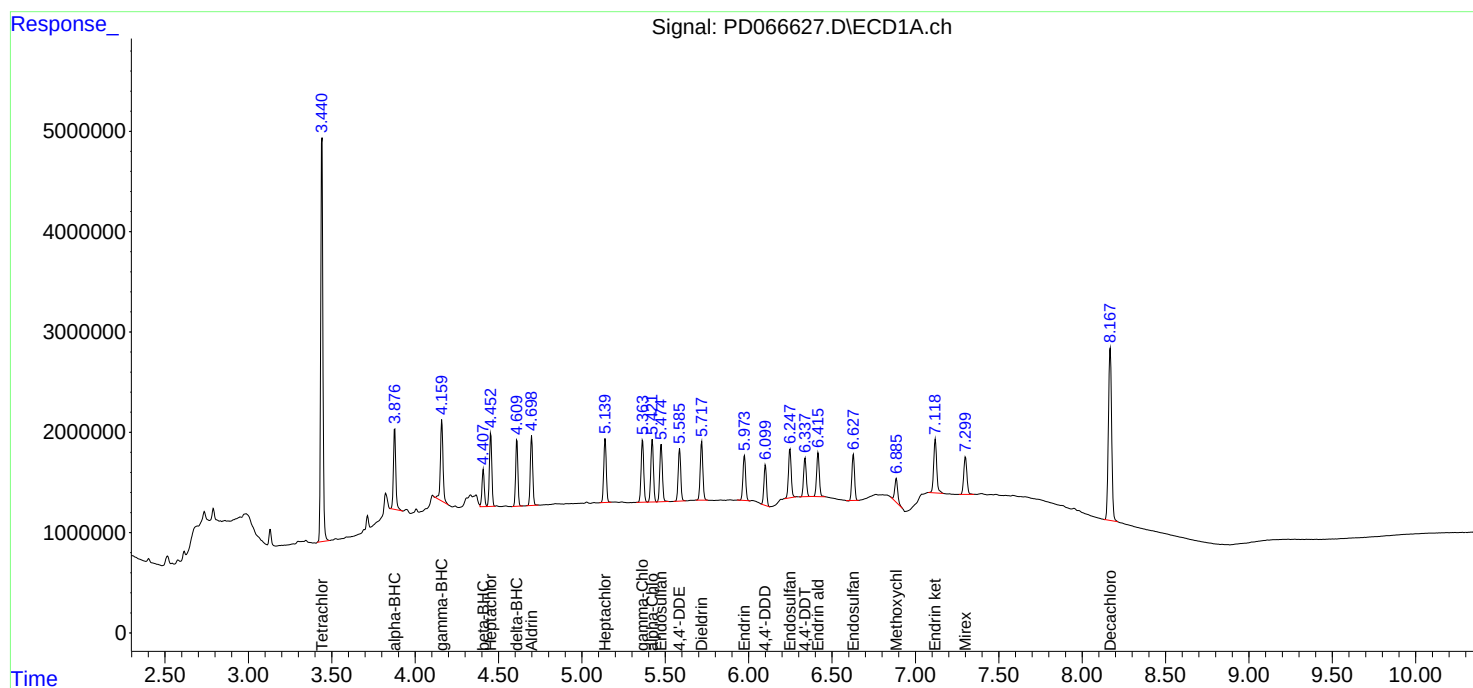
Instrument :
 ECD_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

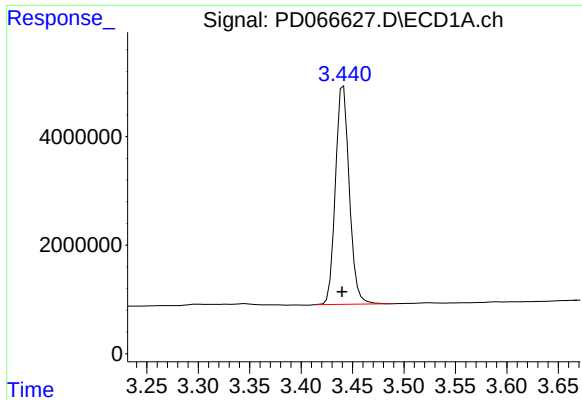
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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 01 04:51:08 2021
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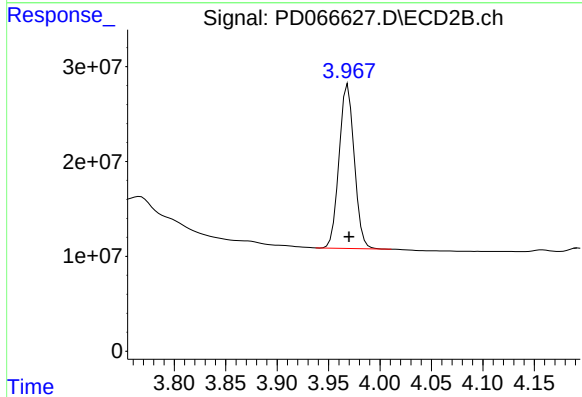
#1 Tetrachloro-m-xylene

R.T.: 3.441 min
Delta R.T.: 0.001 min
Response: 37768716
Conc: 20.24 ng/ml

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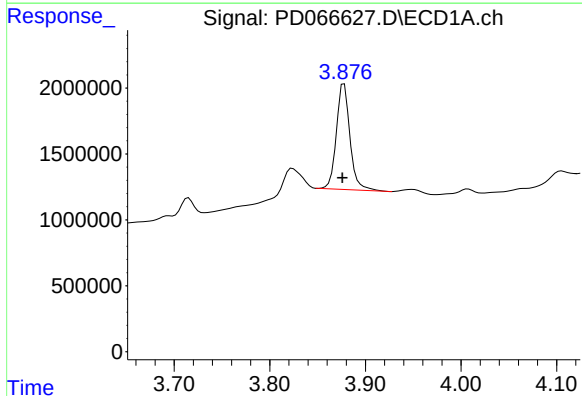
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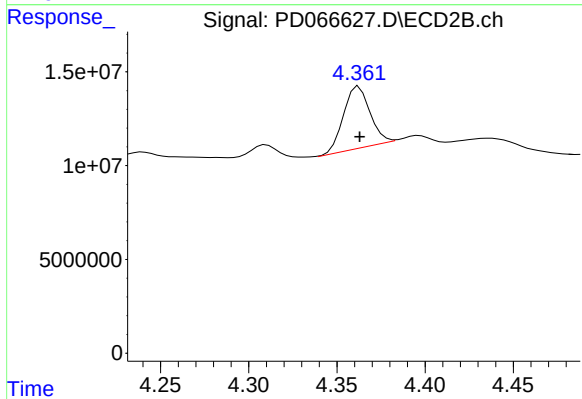
#1 Tetrachloro-m-xylene

R.T.: 3.969 min
Delta R.T.: -0.001 min
Response: 177514040
Conc: 21.94 ng/ml



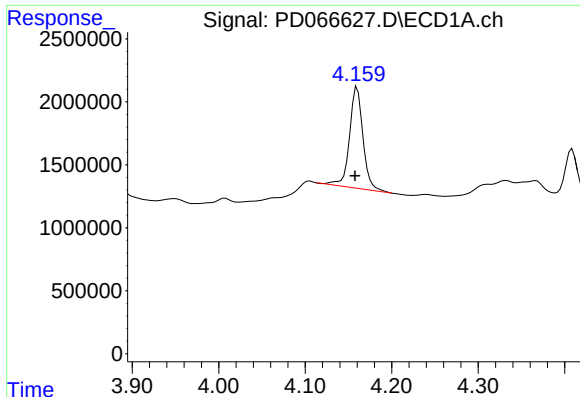
#2 alpha-BHC

R.T.: 3.878 min
Delta R.T.: 0.002 min
Response: 7906030
Conc: 2.59 ng/ml



#2 alpha-BHC

R.T.: 4.361 min
Delta R.T.: -0.002 min
Response: 34850496
Conc: 3.16 ng/ml m



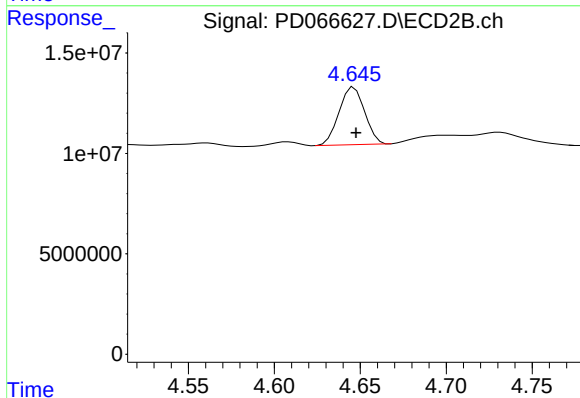
#3 gamma-BHC (Lindane)

R.T.: 4.160 min
Delta R.T.: 0.002 min
Response: 8609334
Conc: 2.85 ng/ml

Instrument :
ECD_D
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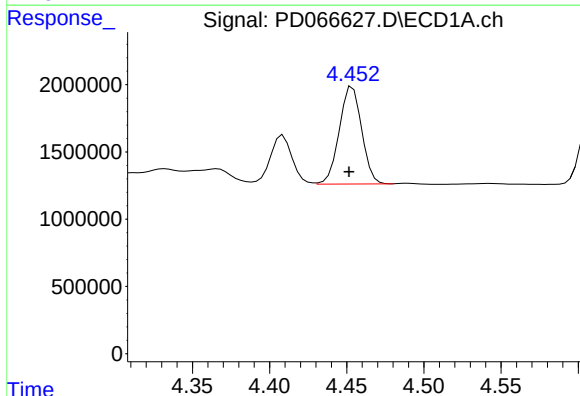
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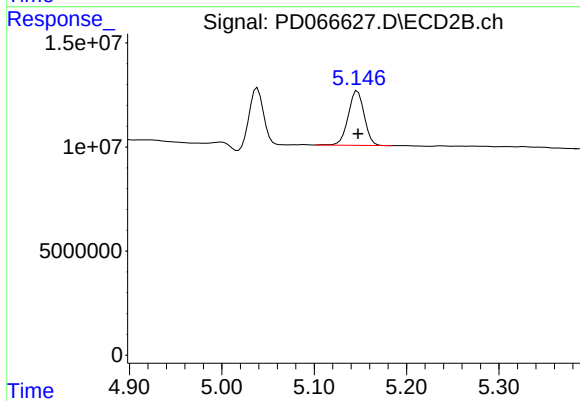
#3 gamma-BHC (Lindane)

R.T.: 4.647 min
Delta R.T.: 0.000 min
Response: 29649045
Conc: 2.98 ng/ml



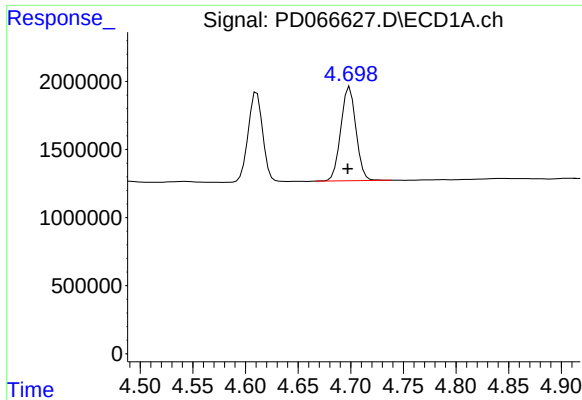
#4 Heptachlor

R.T.: 4.454 min
Delta R.T.: 0.002 min
Response: 7301570
Conc: 2.46 ng/ml



#4 Heptachlor

R.T.: 5.147 min
Delta R.T.: 0.000 min
Response: 31570020
Conc: 3.22 ng/ml



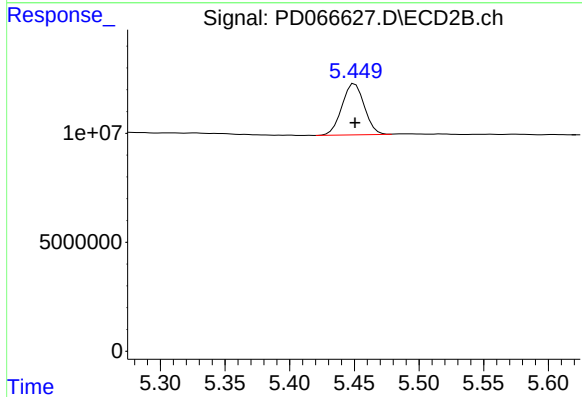
#5 Aldrin

R.T.: 4.699 min
Delta R.T.: 0.002 min
Response: 6931068
Conc: 2.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
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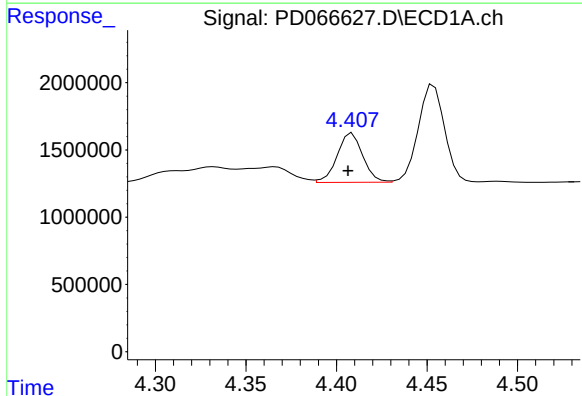
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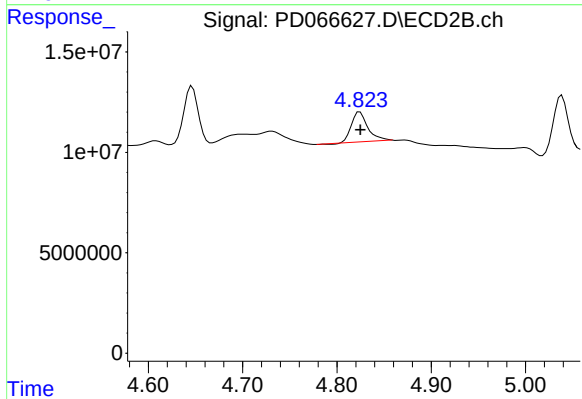
#5 Aldrin

R.T.: 5.450 min
Delta R.T.: 0.000 min
Response: 28172788
Conc: 3.10 ng/ml



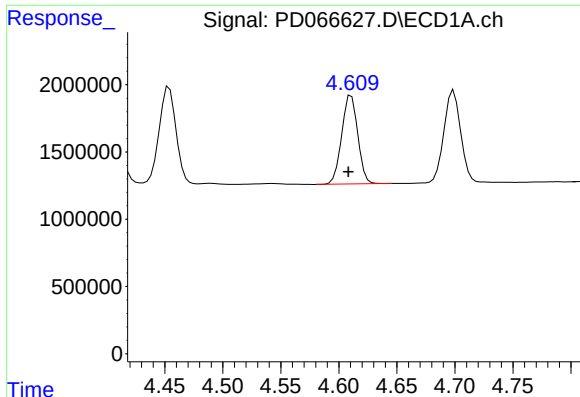
#6 beta-BHC

R.T.: 4.409 min
Delta R.T.: 0.002 min
Response: 3614955
Conc: 2.89 ng/ml



#6 beta-BHC

R.T.: 4.824 min
Delta R.T.: 0.000 min
Response: 17662925
Conc: 3.79 ng/ml



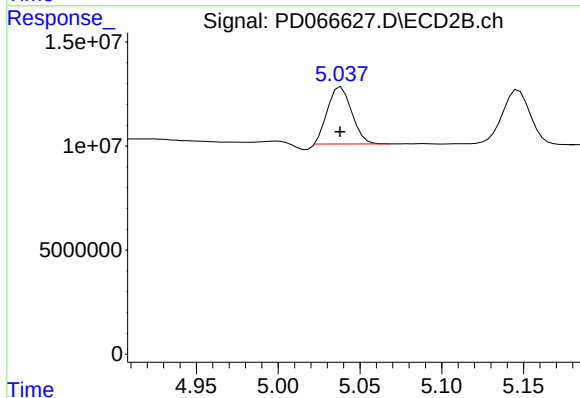
#7 delta-BHC

R.T.: 4.611 min
Delta R.T.: 0.003 min
Response: 6353779
Conc: 2.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

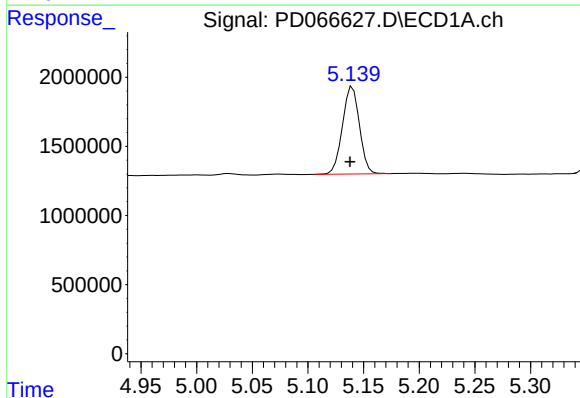
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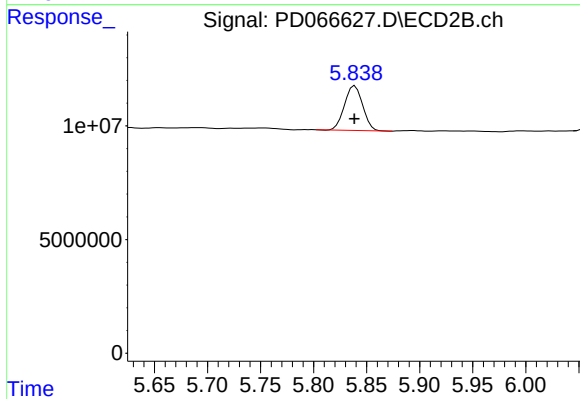
#7 delta-BHC

R.T.: 5.037 min
Delta R.T.: 0.000 min
Response: 28032041
Conc: 3.07 ng/ml m



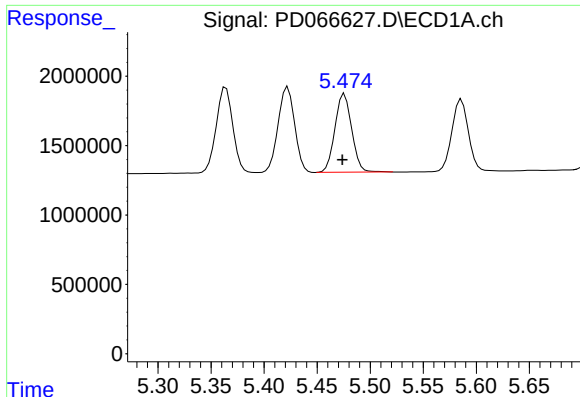
#8 Heptachlor epoxide

R.T.: 5.140 min
Delta R.T.: 0.002 min
Response: 6703468
Conc: 2.59 ng/ml



#8 Heptachlor epoxide

R.T.: 5.839 min
Delta R.T.: 0.000 min
Response: 23453707
Conc: 3.24 ng/ml



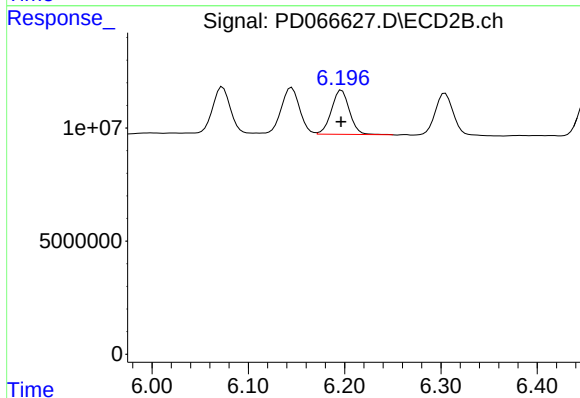
#9 Endosulfan I

R.T.: 5.476 min
Delta R.T.: 0.002 min
Response: 6246678
Conc: 2.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

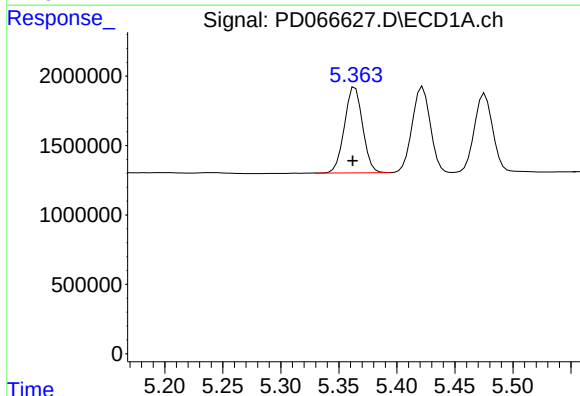
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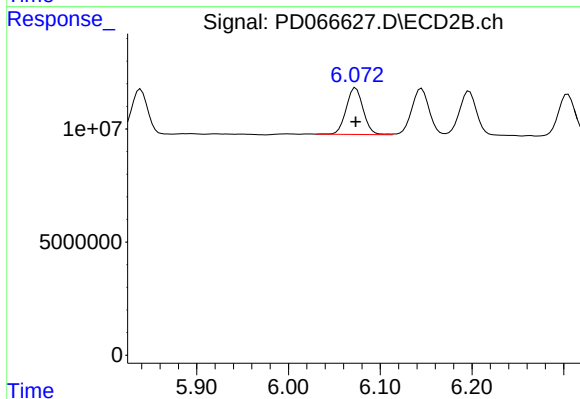
#9 Endosulfan I

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 25361668
Conc: 3.22 ng/ml



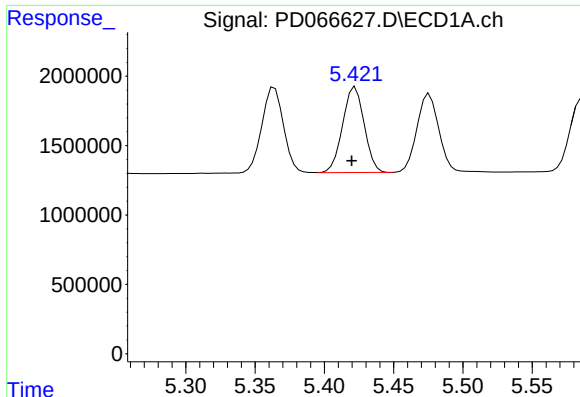
#10 gamma-Chlordane

R.T.: 5.364 min
Delta R.T.: 0.002 min
Response: 6716420
Conc: 2.58 ng/ml



#10 gamma-Chlordane

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 26393969
Conc: 3.16 ng/ml



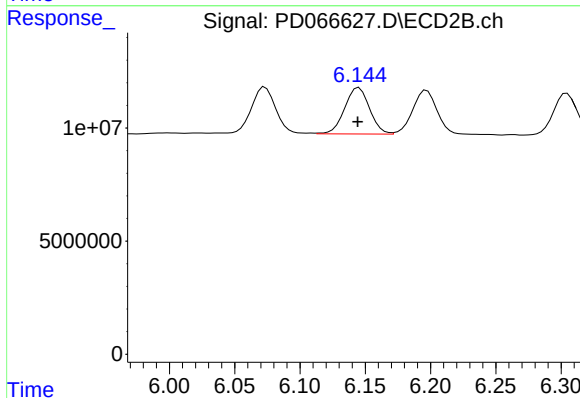
#11 alpha-Chlordane

R.T.: 5.422 min
Delta R.T.: 0.003 min
Response: 6715871
Conc: 2.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
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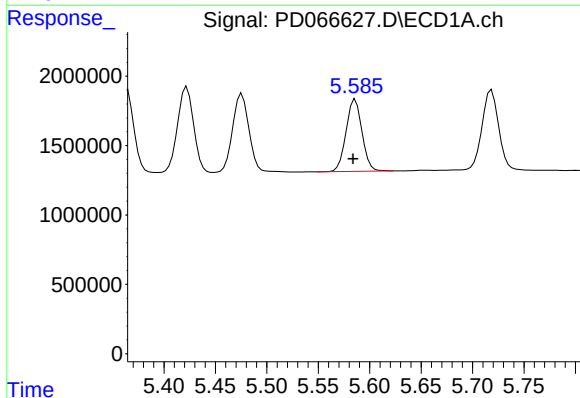
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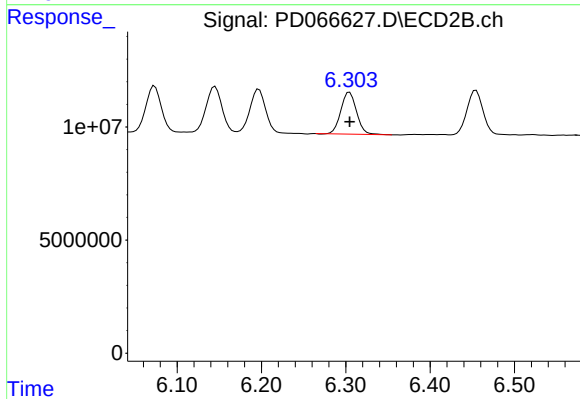
#11 alpha-Chlordane

R.T.: 6.145 min
Delta R.T.: 0.000 min
Response: 27208437
Conc: 3.28 ng/ml



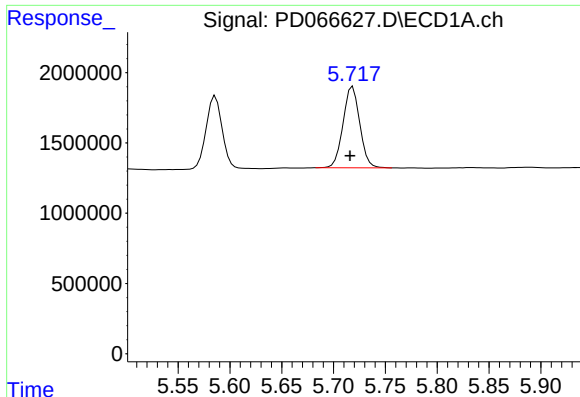
#12 4,4'-DDE

R.T.: 5.586 min
Delta R.T.: 0.002 min
Response: 5603876
Conc: 2.41 ng/ml



#12 4,4'-DDE

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 23838205
Conc: 3.02 ng/ml



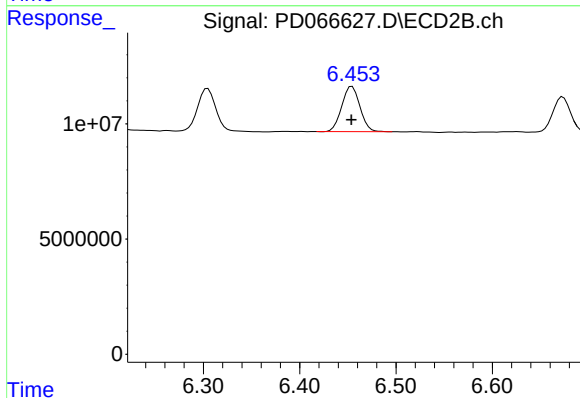
#13 Dieldrin

R.T.: 5.718 min
Delta R.T.: 0.003 min
Response: 6480196
Conc: 2.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
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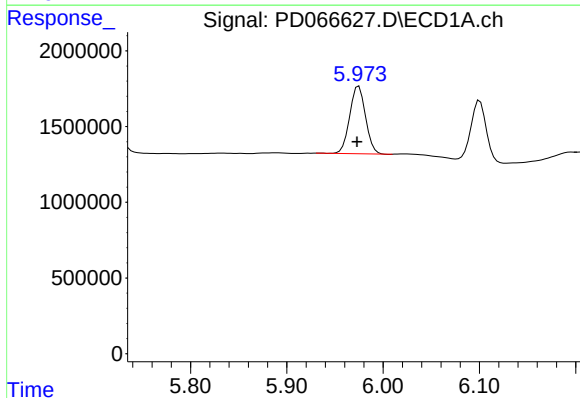
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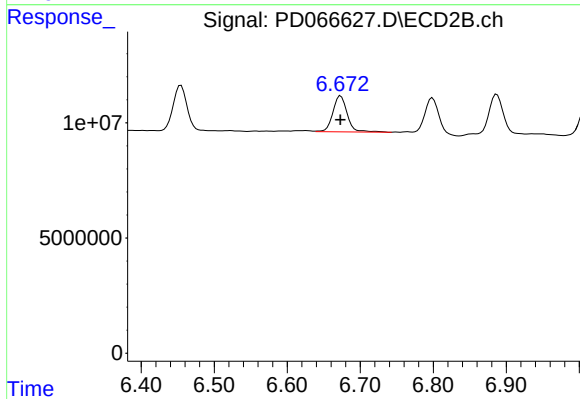
#13 Dieldrin

R.T.: 6.455 min
Delta R.T.: 0.000 min
Response: 25681434
Conc: 3.10 ng/ml



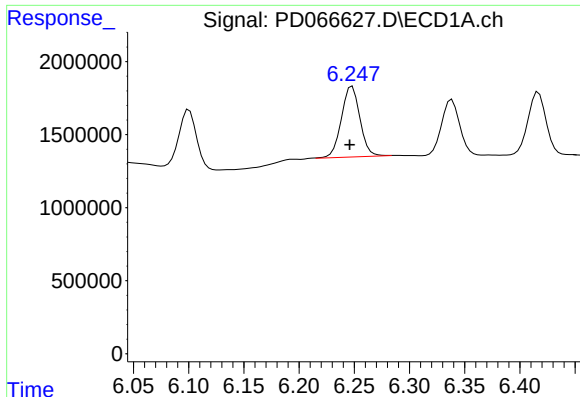
#14 Endrin

R.T.: 5.975 min
Delta R.T.: 0.002 min
Response: 5075888
Conc: 2.43 ng/ml



#14 Endrin

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 21452389
Conc: 3.12 ng/ml



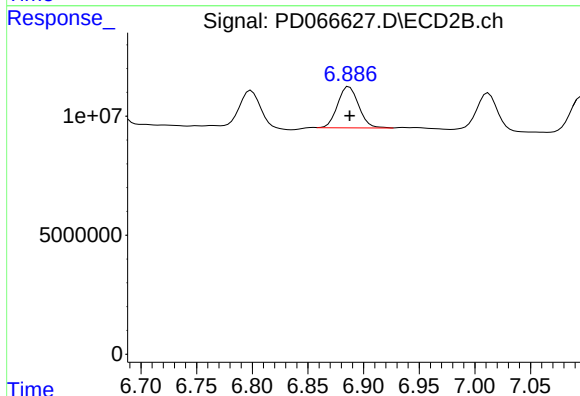
#15 Endosulfan II

R.T.: 6.247 min
Delta R.T.: 0.000 min
Response: 5671609
Conc: 2.85 ng/ml

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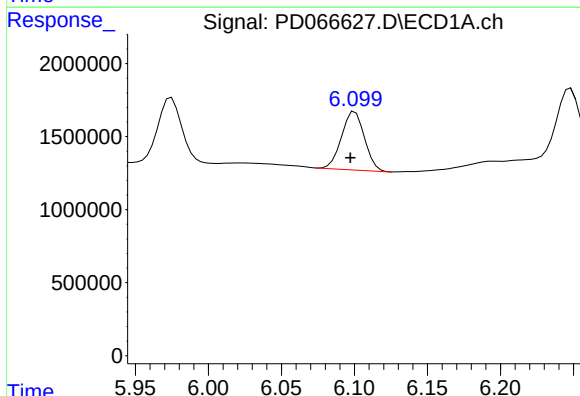
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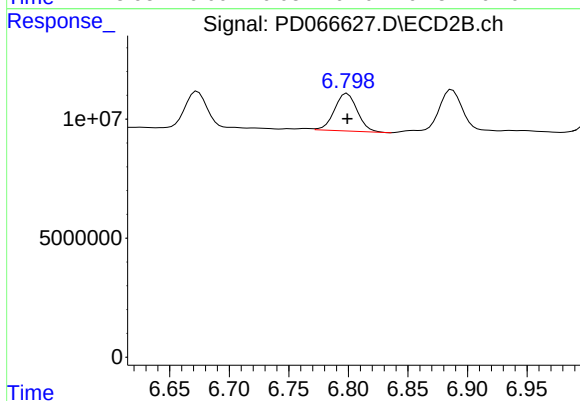
#15 Endosulfan II

R.T.: 6.886 min
Delta R.T.: -0.002 min
Response: 22824260
Conc: 3.23 ng/ml m



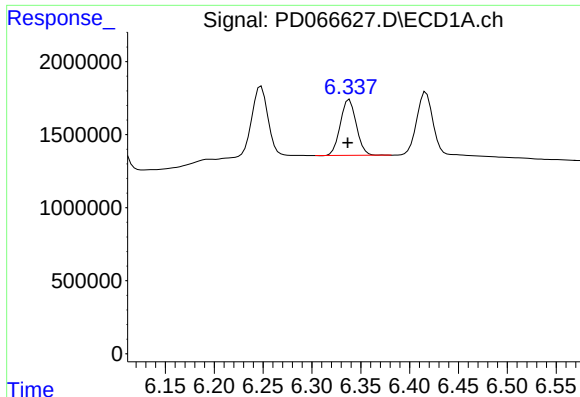
#16 4,4'-DDD

R.T.: 6.099 min
Delta R.T.: 0.002 min
Response: 4397120
Conc: 2.35 ng/ml m



#16 4,4'-DDD

R.T.: 6.799 min
Delta R.T.: 0.000 min
Response: 21032774
Conc: 3.10 ng/ml



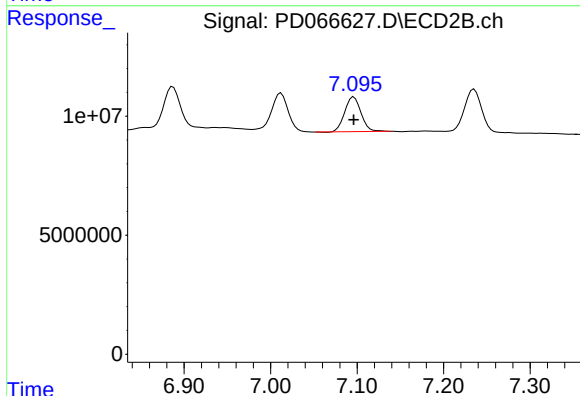
#17 4,4'-DDT

R.T.: 6.338 min
Delta R.T.: 0.002 min
Response: 4348156
Conc: 2.26 ng/ml

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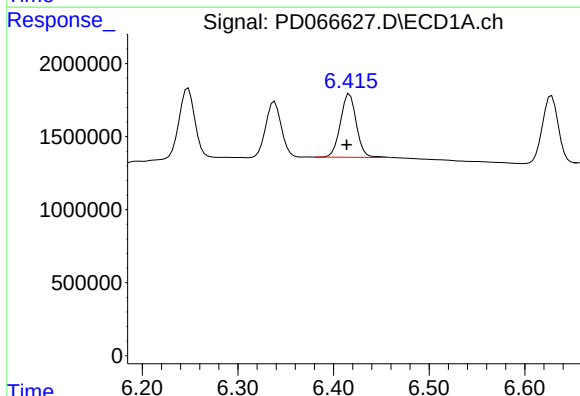
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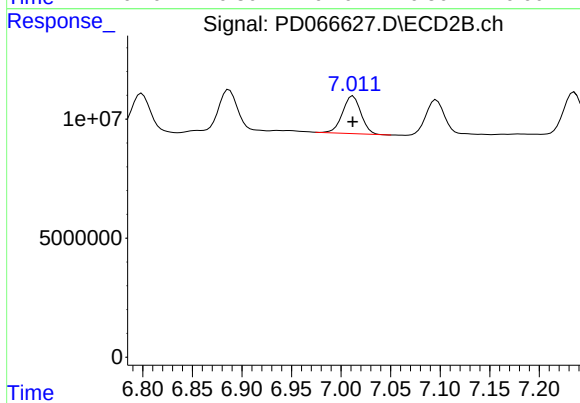
#17 4,4'-DDT

R.T.: 7.096 min
Delta R.T.: 0.000 min
Response: 19094197
Conc: 2.63 ng/ml



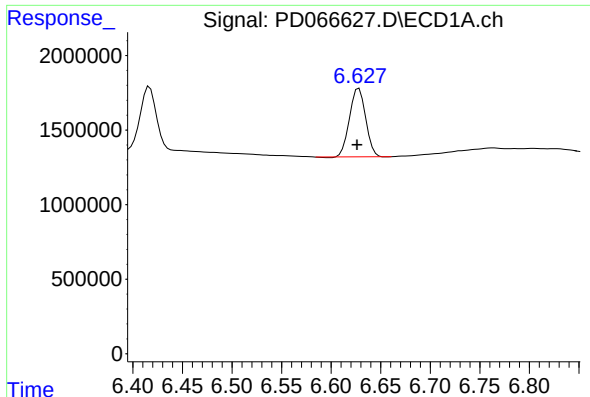
#18 Endrin aldehyde

R.T.: 6.417 min
Delta R.T.: 0.003 min
Response: 5028444
Conc: 3.25 ng/ml



#18 Endrin aldehyde

R.T.: 7.012 min
Delta R.T.: 0.000 min
Response: 20283480
Conc: 3.57 ng/ml



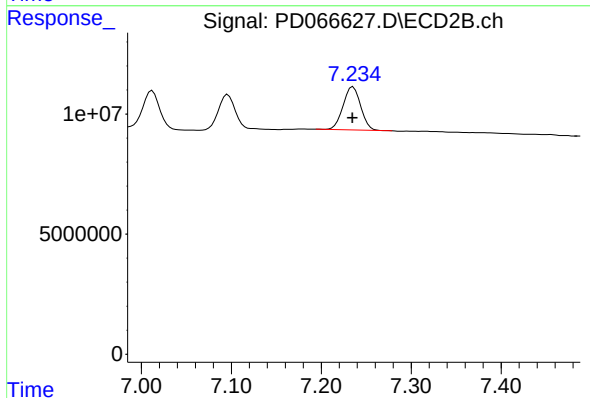
#19 Endosulfan Sulfate

R.T.: 6.628 min
Delta R.T.: 0.002 min
Response: 5224804
Conc: 2.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

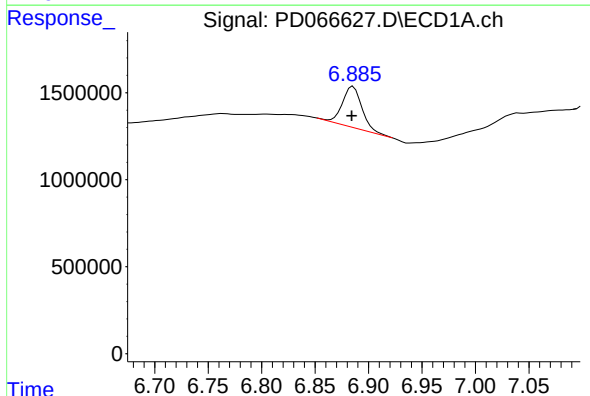
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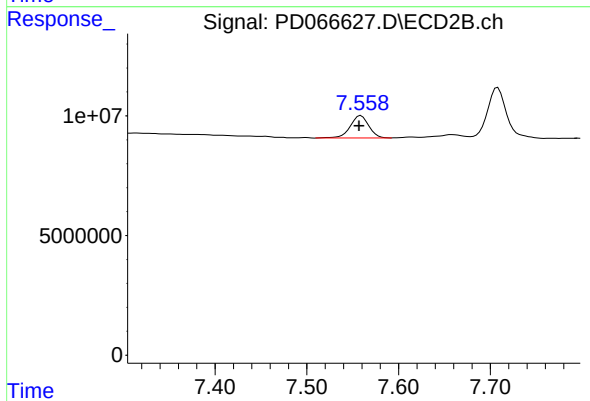
#19 Endosulfan Sulfate

R.T.: 7.235 min
Delta R.T.: 0.000 min
Response: 24407290
Conc: 3.36 ng/ml



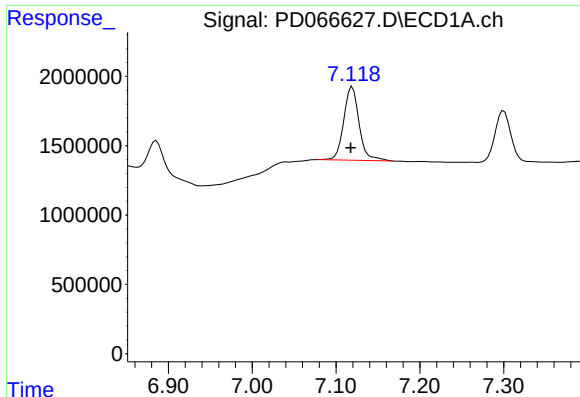
#20 Methoxychlor

R.T.: 6.886 min
Delta R.T.: 0.001 min
Response: 2908925
Conc: 2.82 ng/ml



#20 Methoxychlor

R.T.: 7.559 min
Delta R.T.: 0.002 min
Response: 13151239
Conc: 3.23 ng/ml



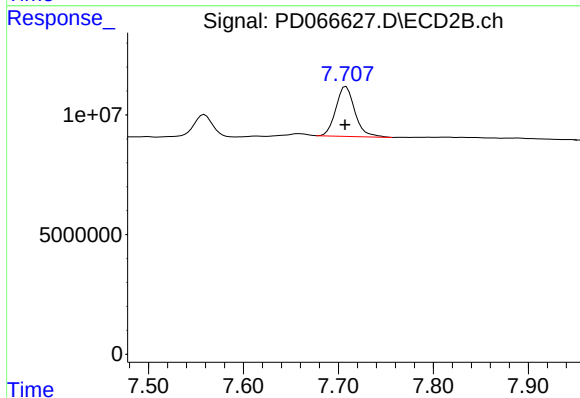
#21 Endrin ketone

R.T.: 7.119 min
Delta R.T.: 0.002 min
Response: 6754942
Conc: 3.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

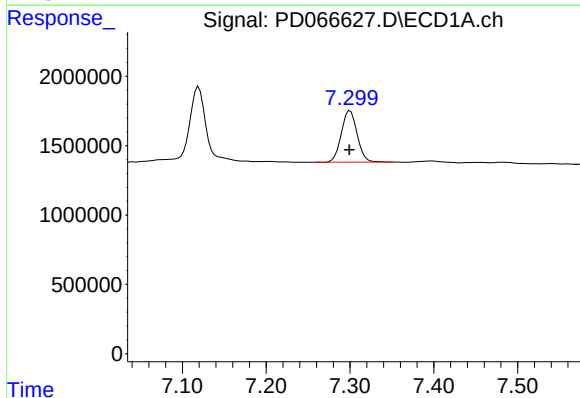
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/01/2021
Supervised By :mohammad ahmed 11/10/2021



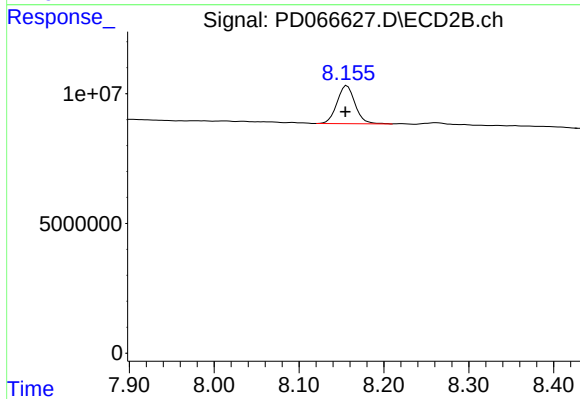
#21 Endrin ketone

R.T.: 7.707 min
Delta R.T.: 0.000 min
Response: 29054667
Conc: 3.45 ng/ml m



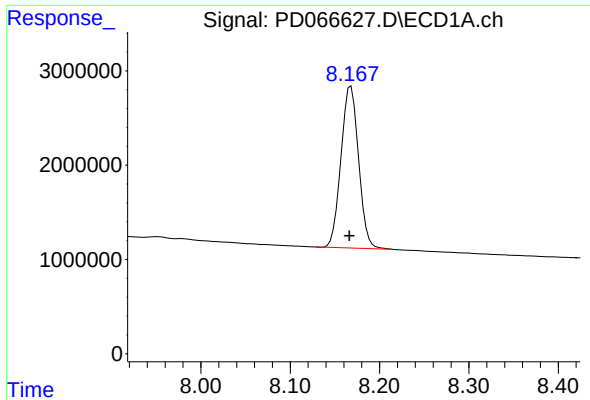
#22 Mirex

R.T.: 7.300 min
Delta R.T.: 0.000 min
Response: 4883407
Conc: 3.14 ng/ml



#22 Mirex

R.T.: 8.157 min
Delta R.T.: 0.002 min
Response: 21419276
Conc: 3.62 ng/ml



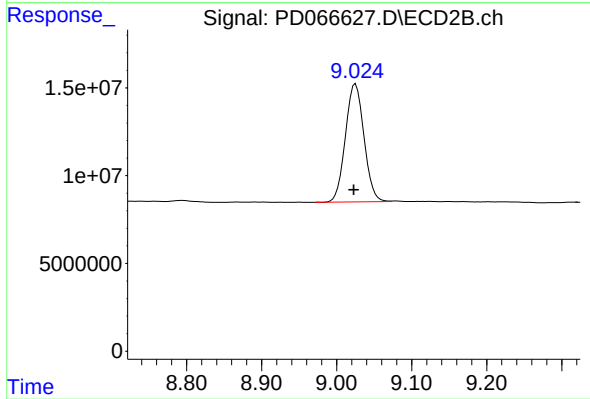
#28 Decachlorobiphenyl

R.T.: 8.168 min
Delta R.T.: 0.002 min
Response: 23443294
Conc: 20.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 9.025 min
Delta R.T.: 0.002 min
Response: 115826398
Conc: 21.50 ng/ml