

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD031523\
 Data File : PD074238.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Mar 2023 14:46
 Operator : AR\AJ
 Sample : 01627-01
 Misc : PEST LOD 1PPB SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2023

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/16/2023
 Supervised By : Ankita Jodhani 03/16/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 15 21:55:56 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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.772	45946442	22671501	19.697	18.629
28)	SA Decachlor...	9.098	7.926	53752310	25039538	20.098	20.408
Target Compounds							
2)	A alpha-BHC	4.007	3.275	3896300	1526718	1.004	0.822
3)	MA gamma-BHC...	4.340	3.605	3463158	1611448	0.987	0.941
4)	MA Heptachlor	4.933	3.947	4004680	1657616	1.169	0.972
5)	MB Aldrin	5.276	4.228	3945823	1756207	1.172	1.041
6)	B beta-BHC	4.536	3.902	2066029	949861	1.398	1.258
7)	B delta-BHC	4.781	4.132	4961326	1610424	1.808m	0.946 #
8)	B Heptachlo...	5.702	4.731	4185895	1641743	1.488m	1.069 #
9)	A Endosulfan I	6.090	5.102	3581448	1476270	1.260	1.026
10)	B gamma-Chl...	5.960	4.982	3598885	1624389	1.199	1.046
11)	B alpha-Chl...	6.040	5.046	3699214	1662616	1.227	1.080
12)	B 4,4'-DDE	6.211	5.236	3092252	1343520	1.122	0.952
13)	MA Dieldrin	6.367	5.367	3538917	1531123	1.200	1.018
14)	MA Endrin	6.597	5.642	2749972	1442025	1.107	1.103
15)	B Endosulfa...	6.814	5.936	3630107	1526097	1.409m	1.213
16)	A 4,4'-DDD	6.729	5.791	2539280	1170130	1.132	1.002
17)	MA 4,4'-DDT	7.045	6.043	2890864	1176380	1.134	0.958
18)	B Endrin al...	6.945	6.117	2813176	1279737	1.407	1.260
19)	B Endosulfa...	7.181	6.339	3214093	1460344	1.302	1.196
20)	A Methoxychlor	7.521	6.619	1815089	780788	1.297	1.154
21)	B Endrin ke...	7.668	6.846	3520226	1604950	1.265	1.088
22)	Mirex	8.145	7.030	3170477	1382269	1.493	1.217

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

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 Data File : PD074238.D
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 Sample : 01627-01
 Misc : PEST LOD 1PPB SOIL
 ALS Vial : 13 Sample Multiplier: 1

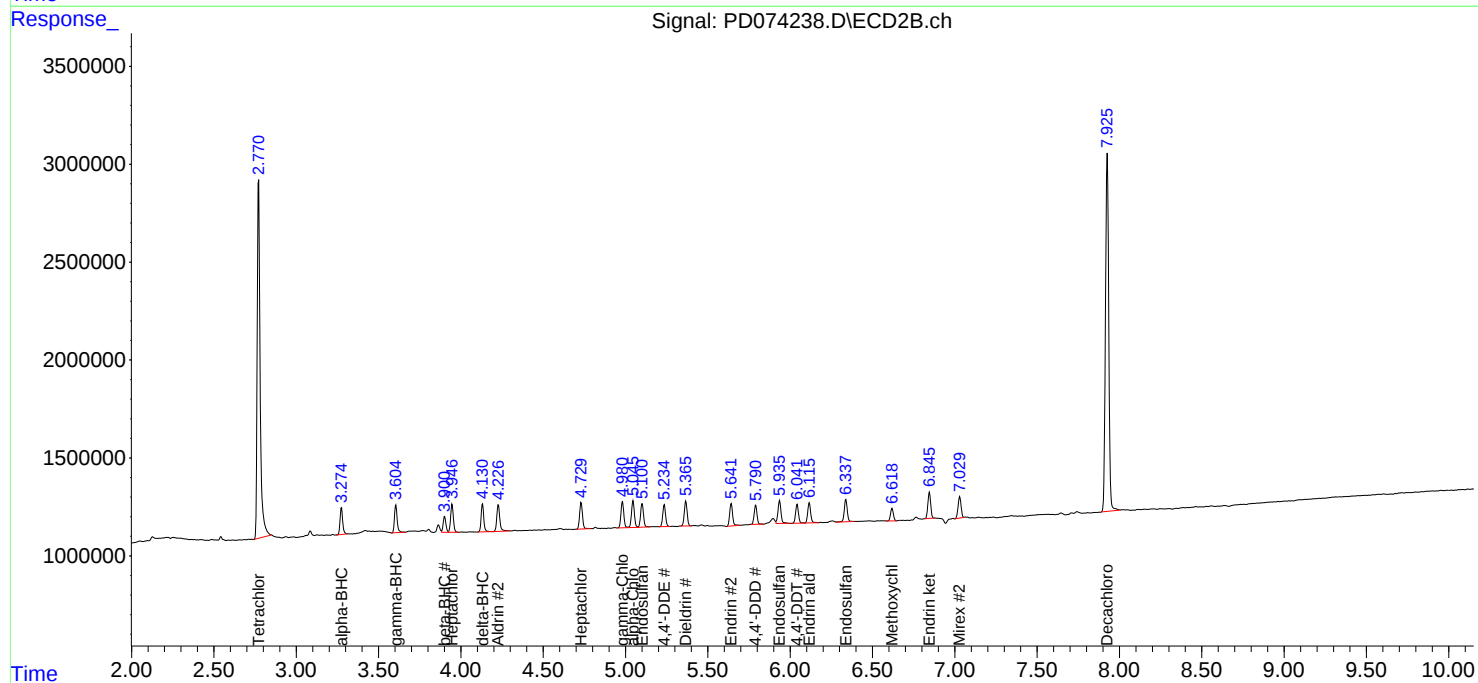
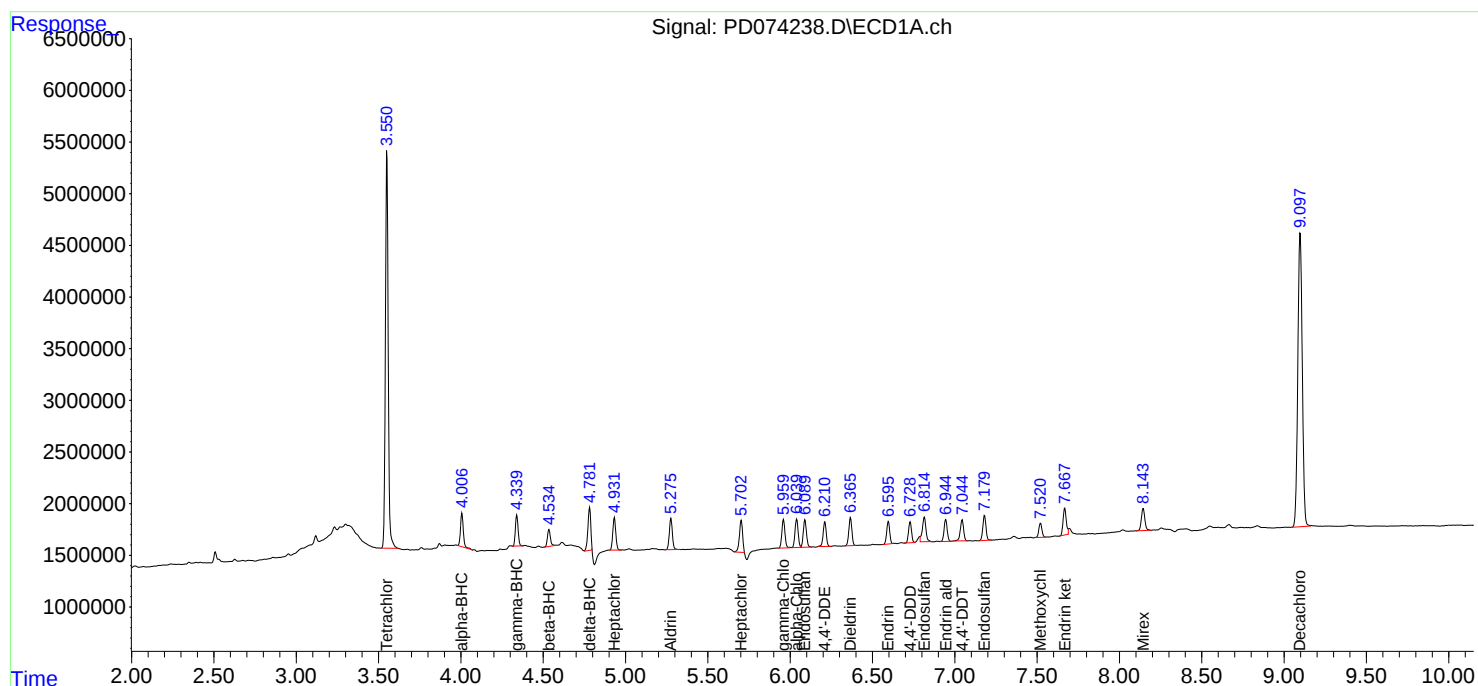
Instrument :
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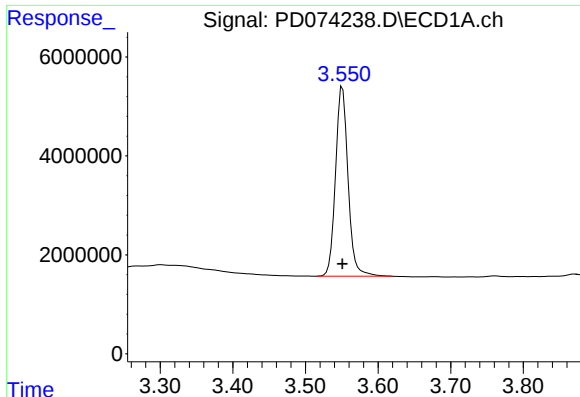
Manual Integrations APPROVED

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 Supervised By :Ankita Jodhani 03/16/2023

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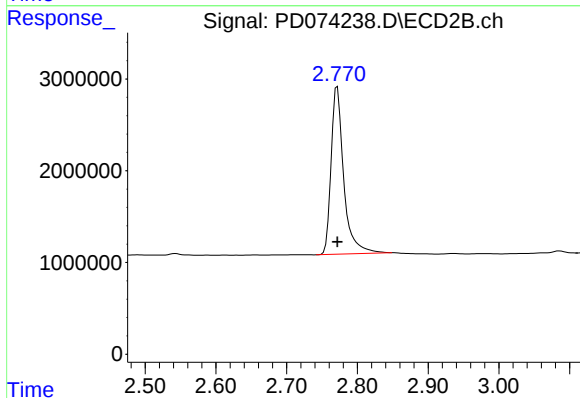
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 45946442
Conc: 19.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

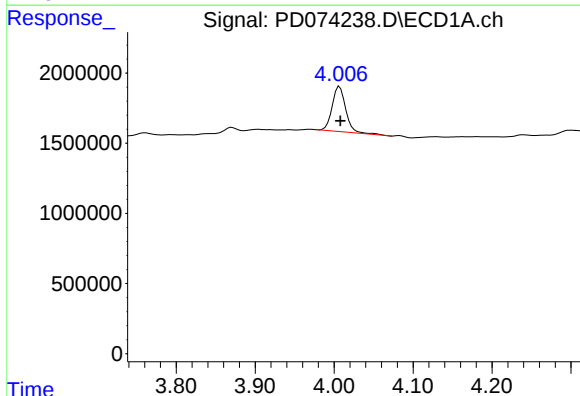
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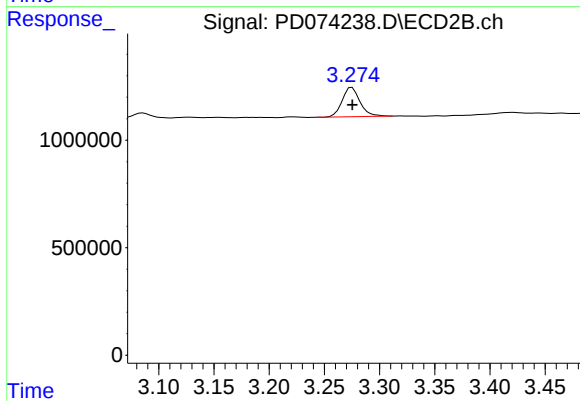
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 22671501
Conc: 18.63 ng/ml



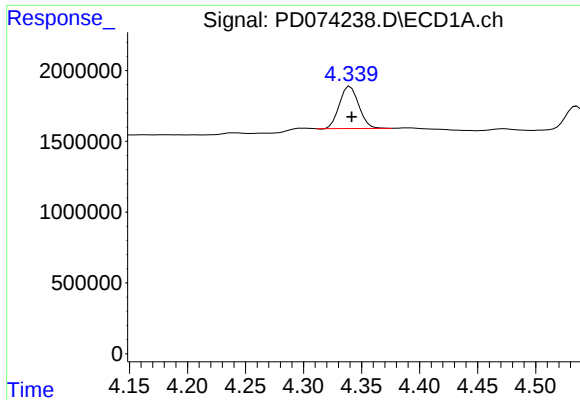
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 3896300
Conc: 1.00 ng/ml



#2 alpha-BHC

R.T.: 3.275 min
Delta R.T.: 0.000 min
Response: 1526718
Conc: 0.82 ng/ml



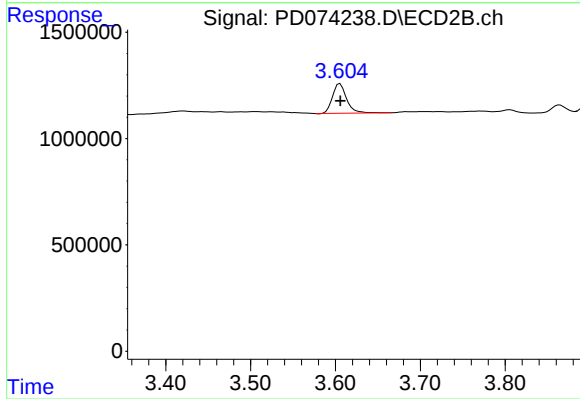
#3 gamma-BHC (Lindane)

R.T.: 4.340 min
Delta R.T.: -0.001 min
Response: 3463158
Conc: 0.99 ng/ml

Instrument :
ECD_D
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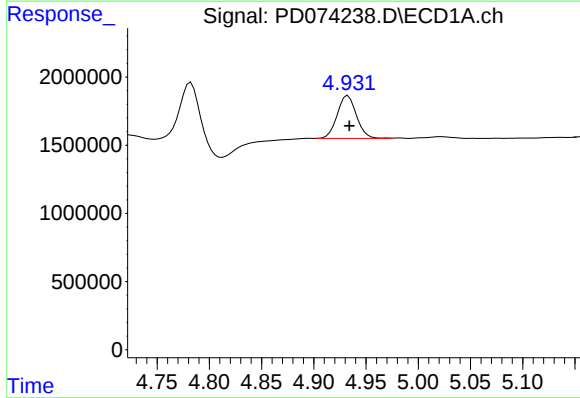
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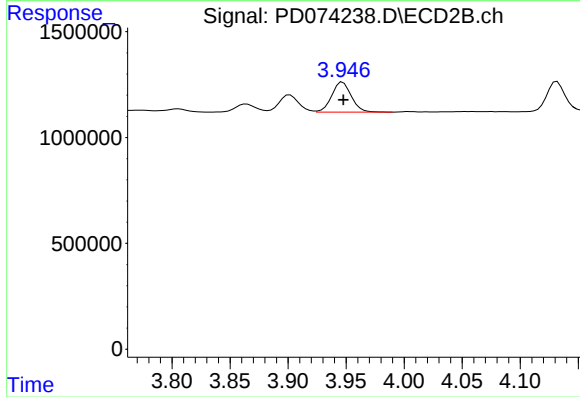
#3 gamma-BHC (Lindane)

R.T.: 3.605 min
Delta R.T.: 0.000 min
Response: 1611448
Conc: 0.94 ng/ml



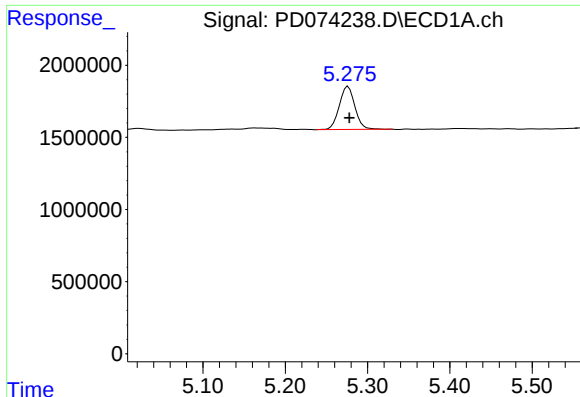
#4 Heptachlor

R.T.: 4.933 min
Delta R.T.: -0.001 min
Response: 4004680
Conc: 1.17 ng/ml



#4 Heptachlor

R.T.: 3.947 min
Delta R.T.: 0.000 min
Response: 1657616
Conc: 0.97 ng/ml



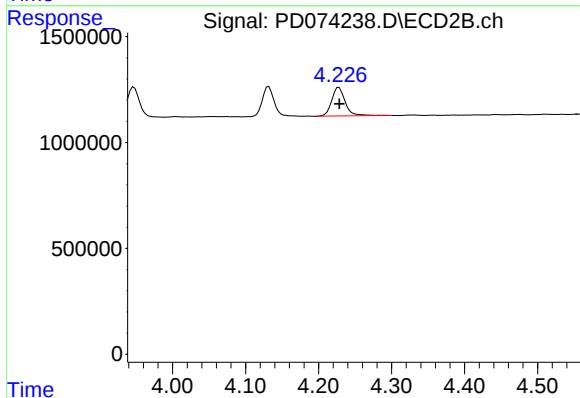
#5 Aldrin

R.T.: 5.276 min
Delta R.T.: -0.002 min
Response: 3945823
Conc: 1.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
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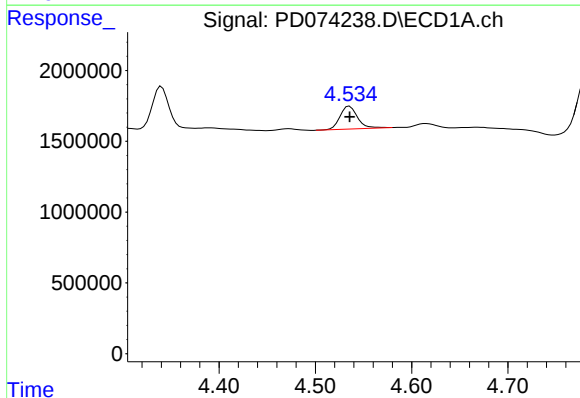
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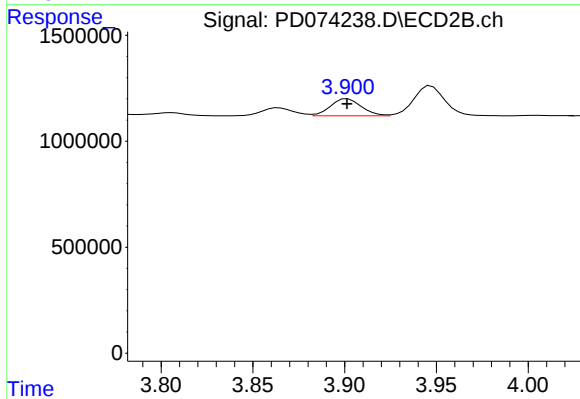
#5 Aldrin

R.T.: 4.228 min
Delta R.T.: 0.000 min
Response: 1756207
Conc: 1.04 ng/ml



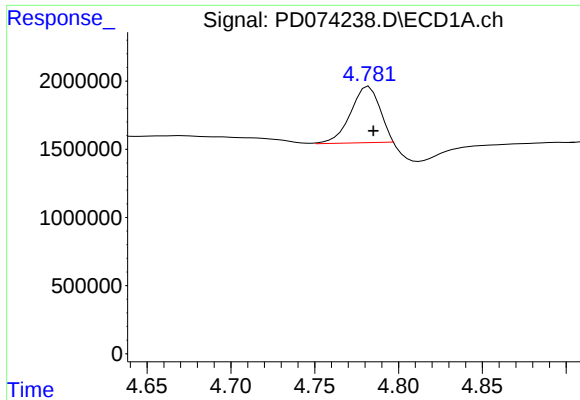
#6 beta-BHC

R.T.: 4.536 min
Delta R.T.: 0.000 min
Response: 2066029
Conc: 1.40 ng/ml



#6 beta-BHC

R.T.: 3.902 min
Delta R.T.: 0.000 min
Response: 949861
Conc: 1.26 ng/ml



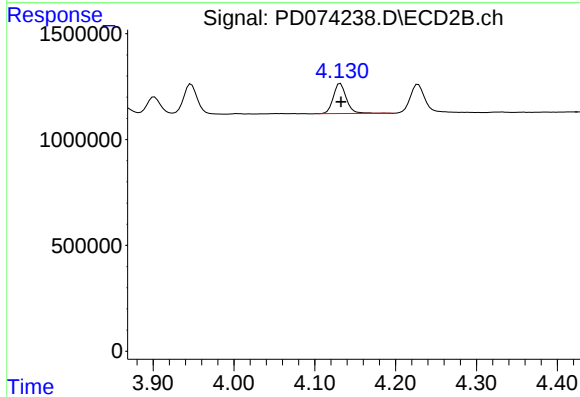
#7 delta-BHC

R.T.: 4.781 min
Delta R.T.: -0.004 min
Response: 4961326
Conc: 1.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

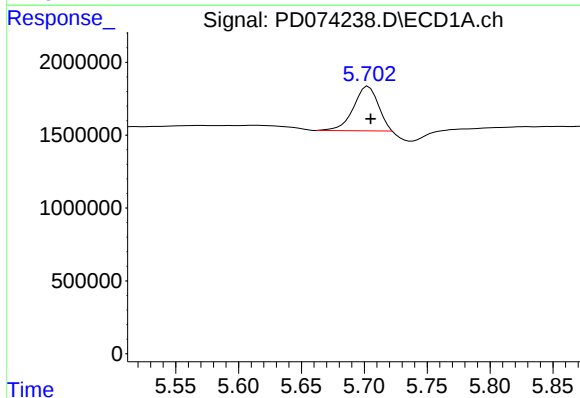
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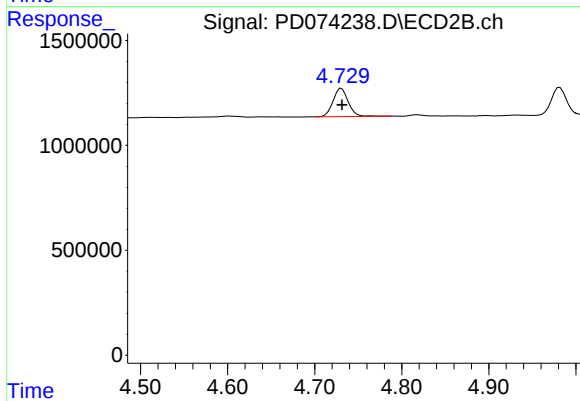
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: 0.000 min
Response: 1610424
Conc: 0.95 ng/ml



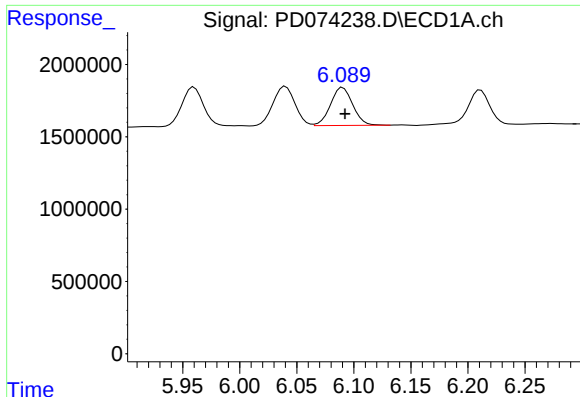
#8 Heptachlor epoxide

R.T.: 5.702 min
Delta R.T.: -0.003 min
Response: 4185895
Conc: 1.49 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.731 min
Delta R.T.: 0.000 min
Response: 1641743
Conc: 1.07 ng/ml



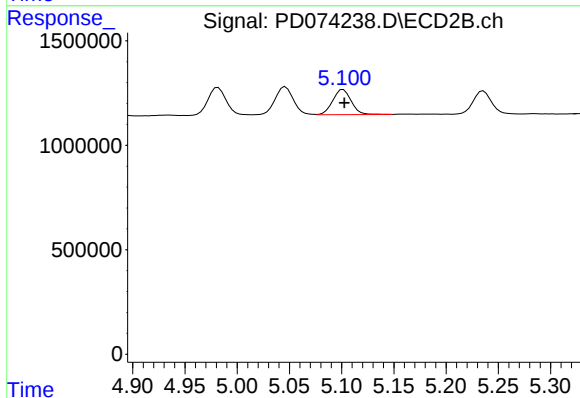
#9 Endosulfan I

R.T.: 6.090 min
Delta R.T.: -0.002 min
Response: 3581448
Conc: 1.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

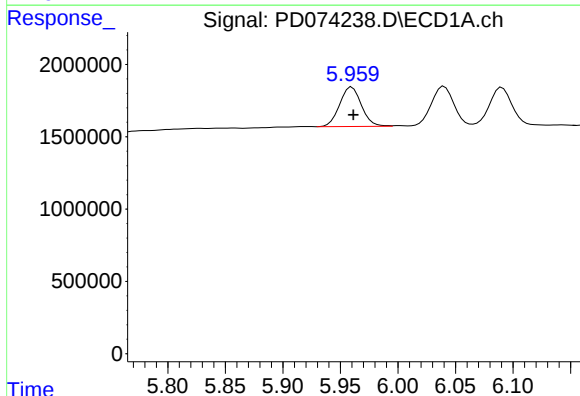
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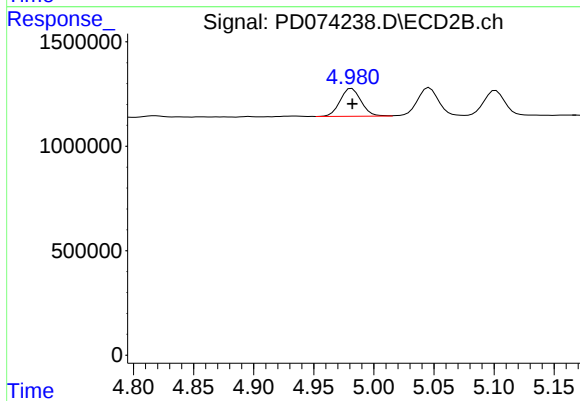
#9 Endosulfan I

R.T.: 5.102 min
Delta R.T.: 0.000 min
Response: 1476270
Conc: 1.03 ng/ml



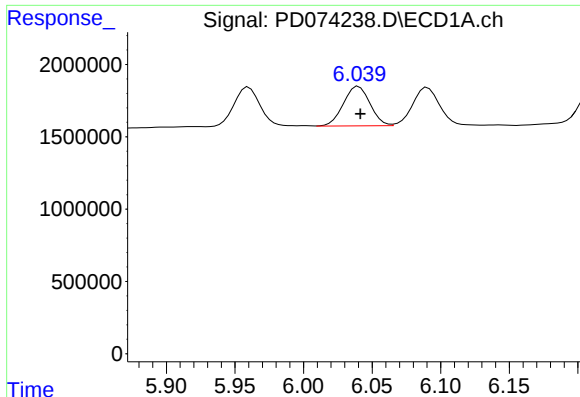
#10 gamma-Chlordane

R.T.: 5.960 min
Delta R.T.: -0.002 min
Response: 3598885
Conc: 1.20 ng/ml



#10 gamma-Chlordane

R.T.: 4.982 min
Delta R.T.: 0.000 min
Response: 1624389
Conc: 1.05 ng/ml



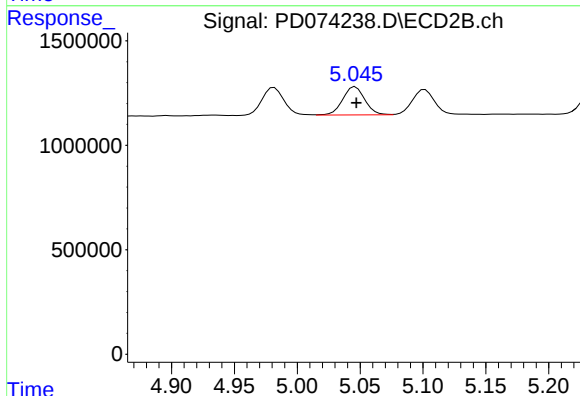
#11 alpha-Chlordane

R.T.: 6.040 min
Delta R.T.: -0.001 min
Response: 3699214
Conc: 1.23 ng/ml

Instrument :
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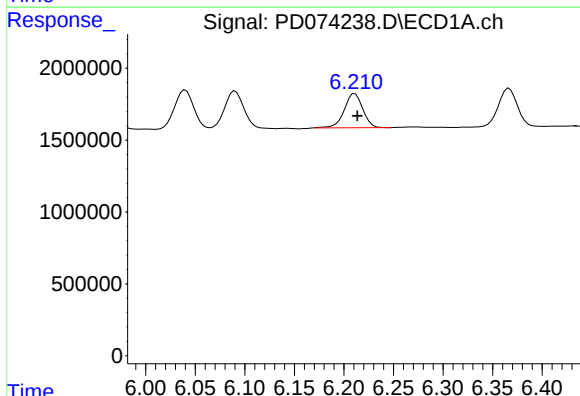
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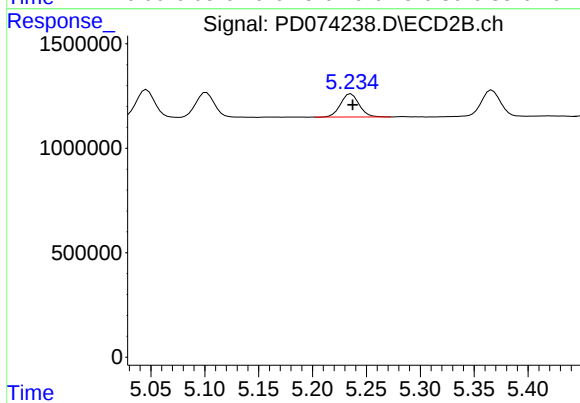
#11 alpha-Chlordane

R.T.: 5.046 min
Delta R.T.: 0.000 min
Response: 1662616
Conc: 1.08 ng/ml



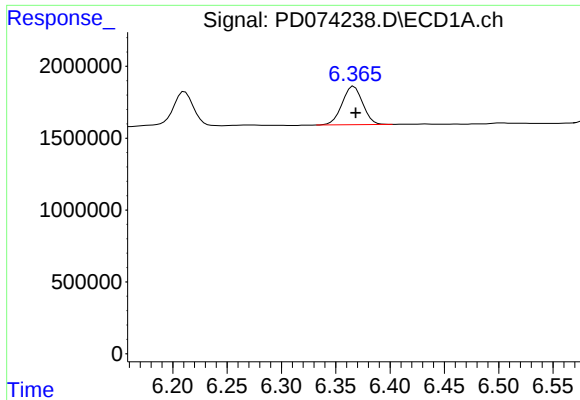
#12 4,4'-DDE

R.T.: 6.211 min
Delta R.T.: -0.003 min
Response: 3092252
Conc: 1.12 ng/ml



#12 4,4'-DDE

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1343520
Conc: 0.95 ng/ml



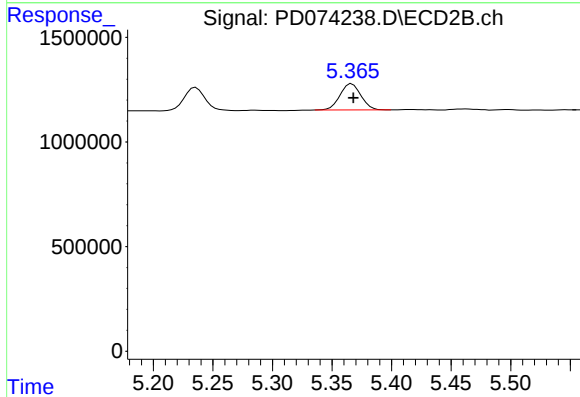
#13 Dieldrin

R.T.: 6.367 min
Delta R.T.: -0.002 min
Response: 3538917
Conc: 1.20 ng/ml

Instrument :
ECD_D
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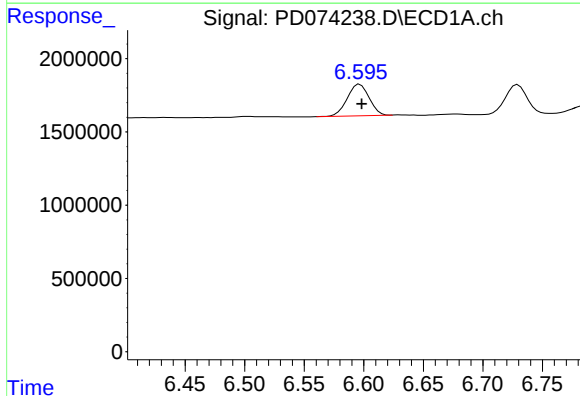
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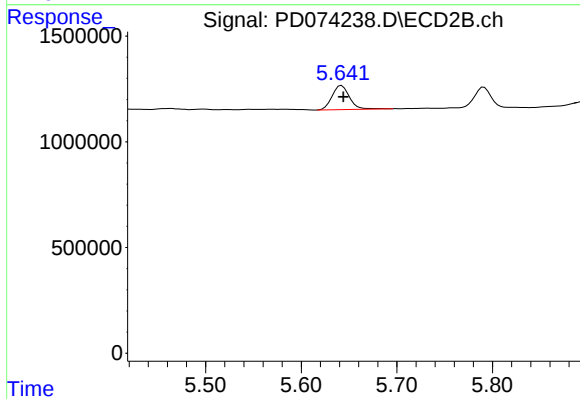
#13 Dieldrin

R.T.: 5.367 min
Delta R.T.: -0.001 min
Response: 1531123
Conc: 1.02 ng/ml



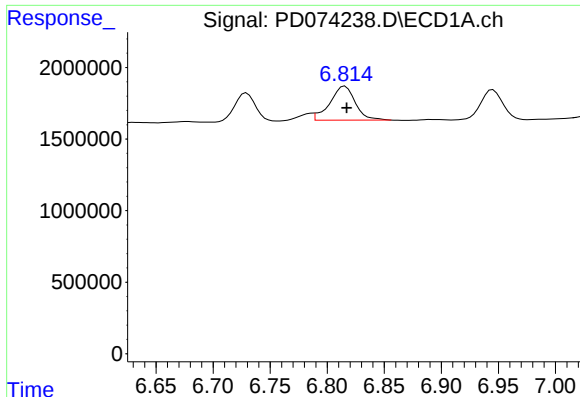
#14 Endrin

R.T.: 6.597 min
Delta R.T.: -0.002 min
Response: 2749972
Conc: 1.11 ng/ml



#14 Endrin

R.T.: 5.642 min
Delta R.T.: -0.002 min
Response: 1442025
Conc: 1.10 ng/ml



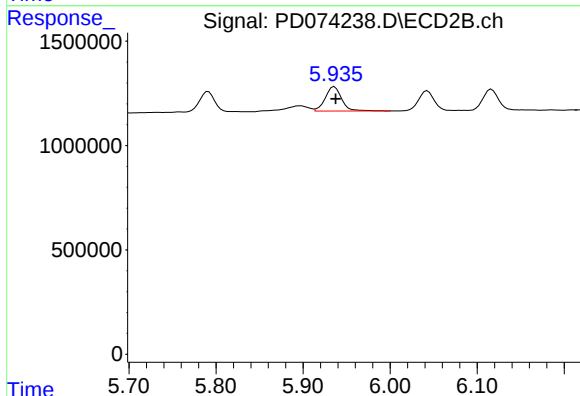
#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: -0.003 min
Response: 3630107
Conc: 1.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
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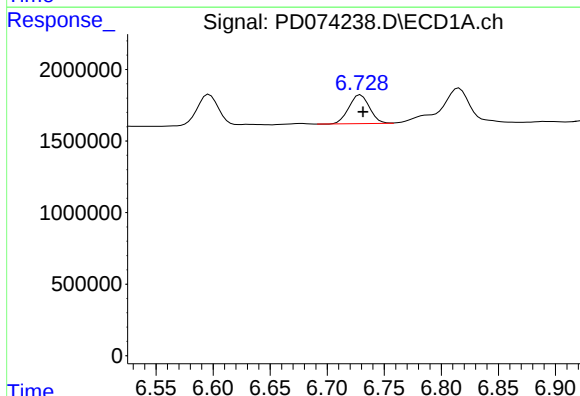
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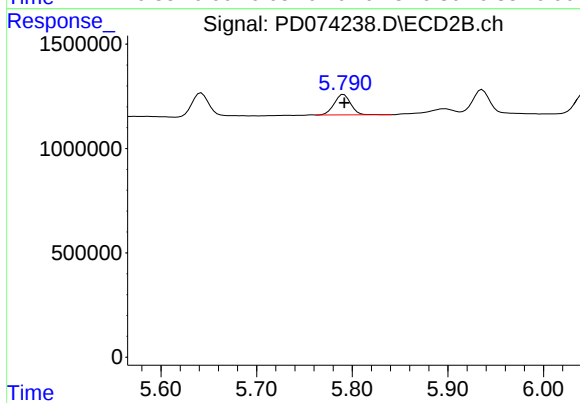
#15 Endosulfan II

R.T.: 5.936 min
Delta R.T.: -0.001 min
Response: 1526097
Conc: 1.21 ng/ml



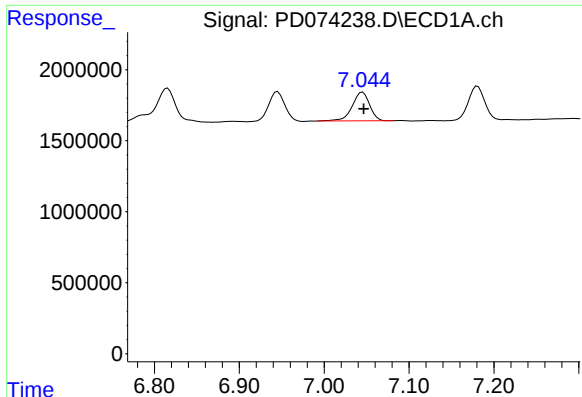
#16 4,4'-DDD

R.T.: 6.729 min
Delta R.T.: -0.002 min
Response: 2539280
Conc: 1.13 ng/ml



#16 4,4'-DDD

R.T.: 5.791 min
Delta R.T.: 0.000 min
Response: 1170130
Conc: 1.00 ng/ml



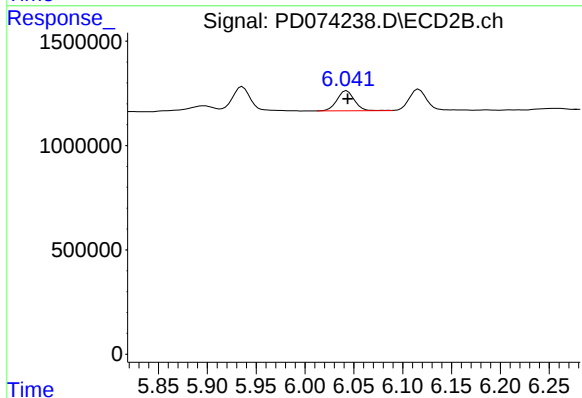
#17 4,4'-DDT

R.T.: 7.045 min
Delta R.T.: -0.001 min
Response: 2890864
Conc: 1.13 ng/ml

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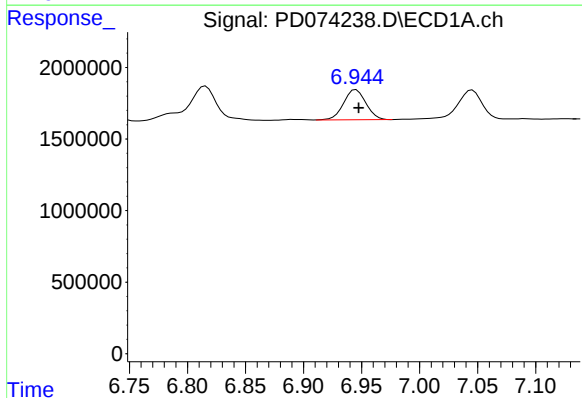
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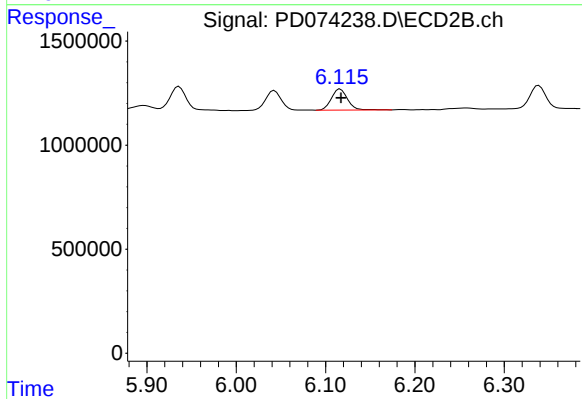
#17 4,4'-DDT

R.T.: 6.043 min
Delta R.T.: -0.001 min
Response: 1176380
Conc: 0.96 ng/ml



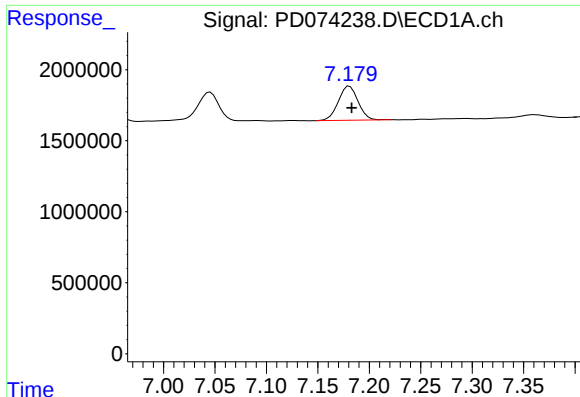
#18 Endrin aldehyde

R.T.: 6.945 min
Delta R.T.: -0.002 min
Response: 2813176
Conc: 1.41 ng/ml



#18 Endrin aldehyde

R.T.: 6.117 min
Delta R.T.: 0.000 min
Response: 1279737
Conc: 1.26 ng/ml



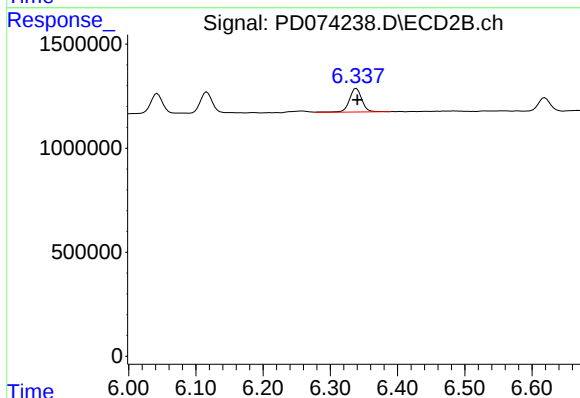
#19 Endosulfan Sulfate

R.T.: 7.181 min
Delta R.T.: -0.002 min
Response: 3214093
Conc: 1.30 ng/ml

Instrument :
ECD_D
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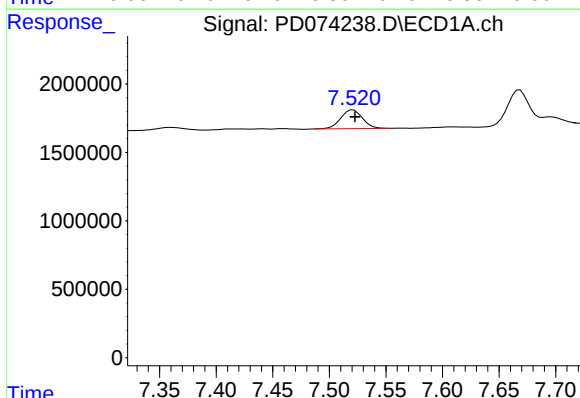
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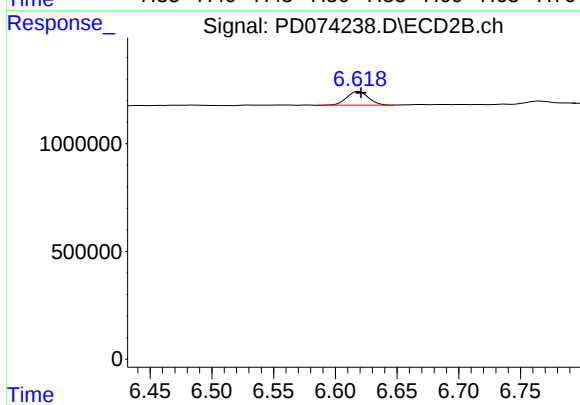
#19 Endosulfan Sulfate

R.T.: 6.339 min
Delta R.T.: -0.001 min
Response: 1460344
Conc: 1.20 ng/ml



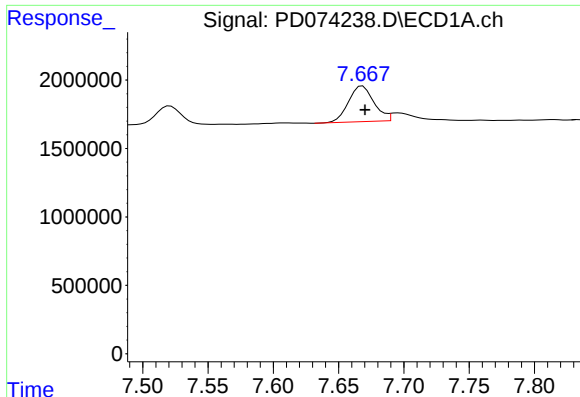
#20 Methoxychlor

R.T.: 7.521 min
Delta R.T.: -0.002 min
Response: 1815089
Conc: 1.30 ng/ml



#20 Methoxychlor

R.T.: 6.619 min
Delta R.T.: -0.002 min
Response: 780788
Conc: 1.15 ng/ml



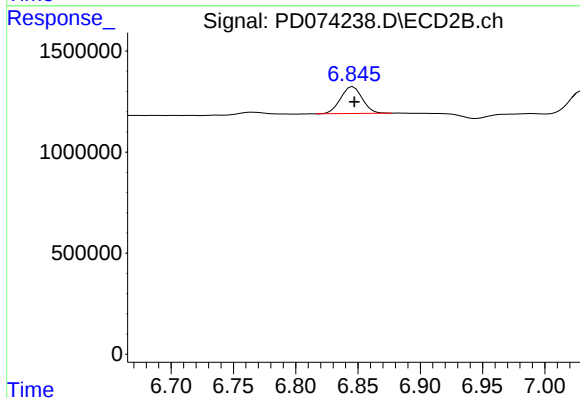
#21 Endrin ketone

R.T.: 7.668 min
Delta R.T.: -0.002 min
Response: 3520226
Conc: 1.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

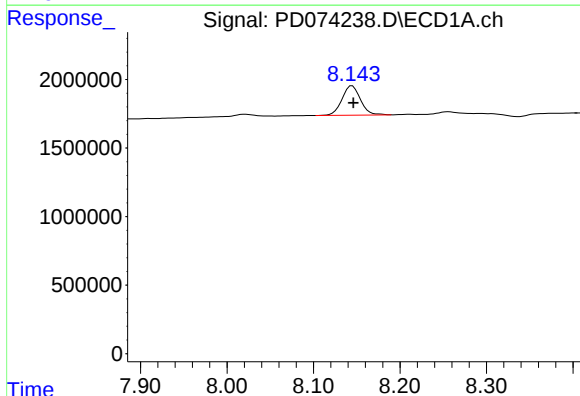
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/16/2023
Supervised By :Ankita Jodhani 03/16/2023



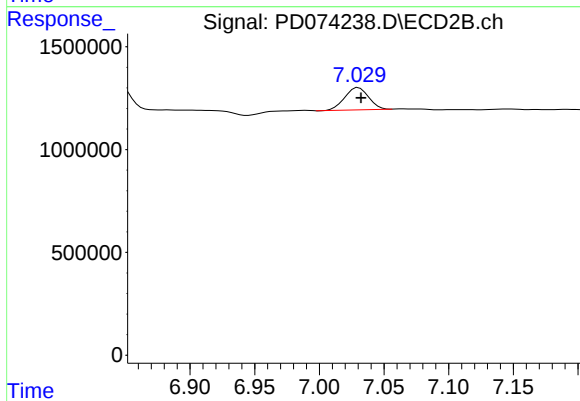
#21 Endrin ketone

R.T.: 6.846 min
Delta R.T.: -0.001 min
Response: 1604950
Conc: 1.09 ng/ml



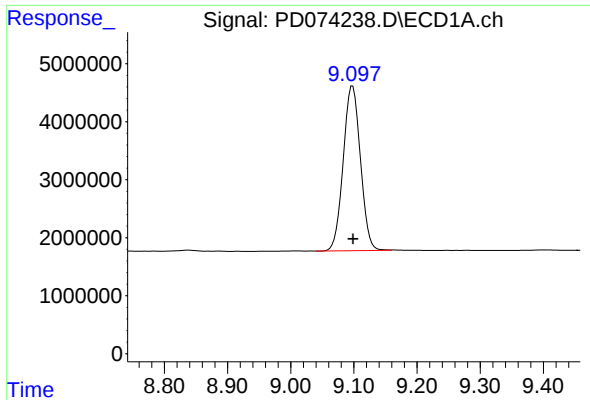
#22 Mirex

R.T.: 8.145 min
Delta R.T.: -0.001 min
Response: 3170477
Conc: 1.49 ng/ml



#22 Mirex

R.T.: 7.030 min
Delta R.T.: -0.002 min
Response: 1382269
Conc: 1.22 ng/ml



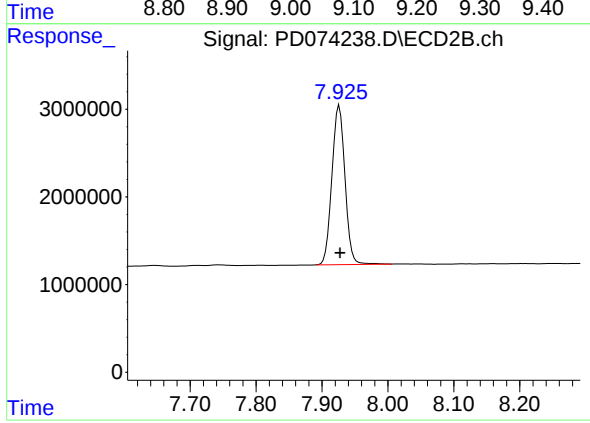
#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.001 min
Response: 53752310
Conc: 20.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2023

Manual Integrations
APPROVED

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Supervised By :Ankita Jodhani 03/16/2023



#28 Decachlorobiphenyl

R.T.: 7.926 min
Delta R.T.: 0.000 min
Response: 25039538
Conc: 20.41 ng/ml