

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111121\
 Data File : PL070918.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2021 12:18
 Operator : AR\AJ
 Sample : M4068-01
 Misc : PEST LOD 2.5PPB
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOD-MDL-SOIL-01-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 04:06:11 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...	4.570	5.501	9324198	24963283	19.037	19.799
28)	SA Decachlor...	10.331	11.392	13706099	27402542	20.059	20.490
Target Compounds							
2)	A alpha-BHC	5.275	6.080	1759649	4657840	2.629	2.530
3)	MA gamma-BHC...	5.698	6.476	1461254	3938498	2.178	2.271
4)	MA Heptachlor	6.104	7.124	1681528	4095137	2.344m	2.521
5)	MB Aldrin	6.429	7.493	1437881	3863667	2.249	2.379
6)	B beta-BHC	6.078	6.734	895705	2994892	2.757m	3.495 #
7)	B delta-BHC	6.338	6.998	1426638	3472923	2.156m	2.077m
8)	B Heptachlo...	7.006	7.960	1588555	3929010	2.443	2.578
9)	A Endosulfan I	7.408	8.365	1539079	3632811	2.513	2.525
10)	B gamma-Chl...	7.283	8.229	1661093	3910464	2.502	2.526
11)	B alpha-Chl...	7.353	8.310	1677280	3954956	2.517	2.600
12)	B 4,4'-DDE	7.568	8.499	1302998	3904651	2.236	2.646m
13)	MA Dieldrin	7.694	8.654	1557638	3649593	2.495	2.505
14)	MA Endrin	7.985	8.893	1425113	2998896	2.514	2.589
15)	B Endosulfa...	8.296	9.126	1534687	4042130	2.535	3.310m#
16)	A 4,4'-DDD	8.153	9.037	1207611	2962384	2.377	2.462m
17)	MA 4,4'-DDT	8.414	9.356	1262331	3247256	2.295	2.574
18)	B Endrin al...	8.485	9.263	1463450	3136131	3.221	3.243
19)	B Endosulfa...	8.716	9.500	1753175	3346982	2.842	2.700
20)	A Methoxychlor	9.009	9.843	926939	1720947	2.534	2.543
21)	B Endrin ke...	9.233	9.996	2197856	3515326	3.074	2.449
22)	Mirex	9.417	10.461	1949390	2892344	3.174	2.777

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

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 Data File : PL070918.D
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 Acq On : 11 Nov 2021 12:18
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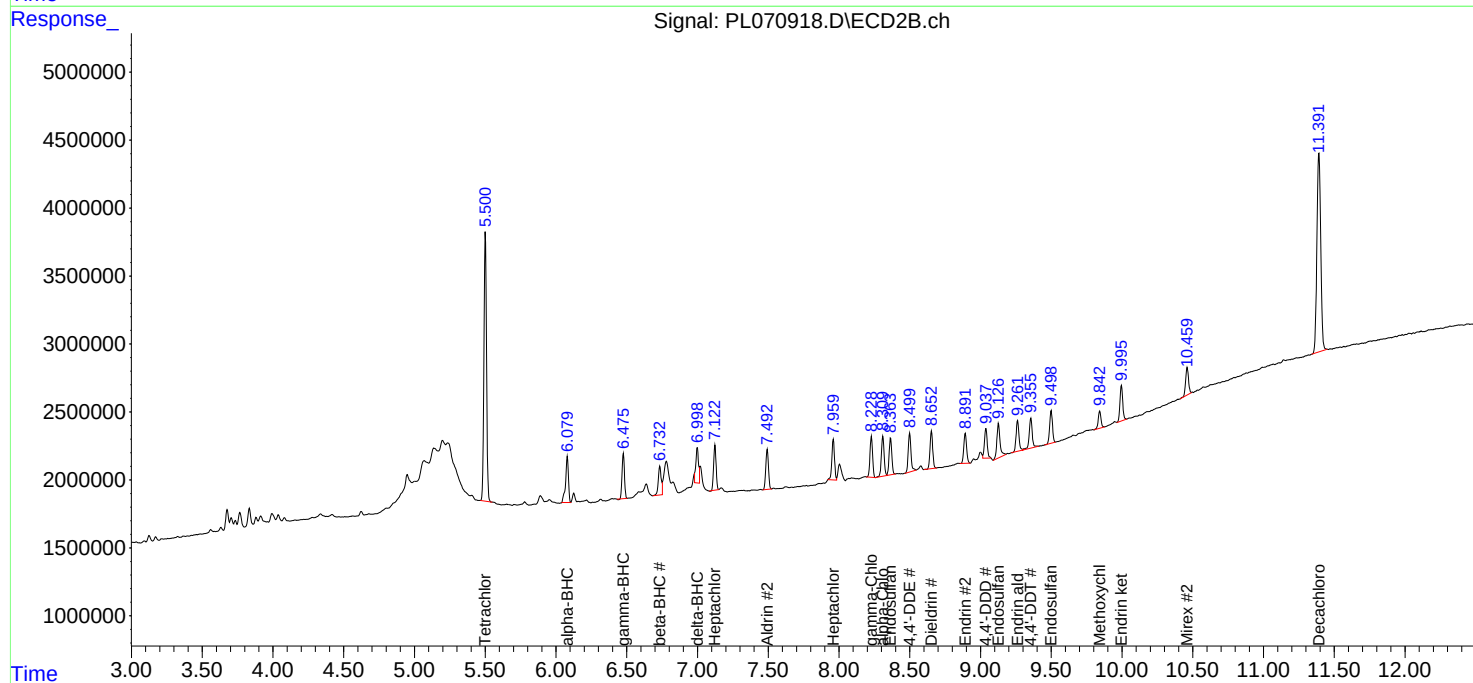
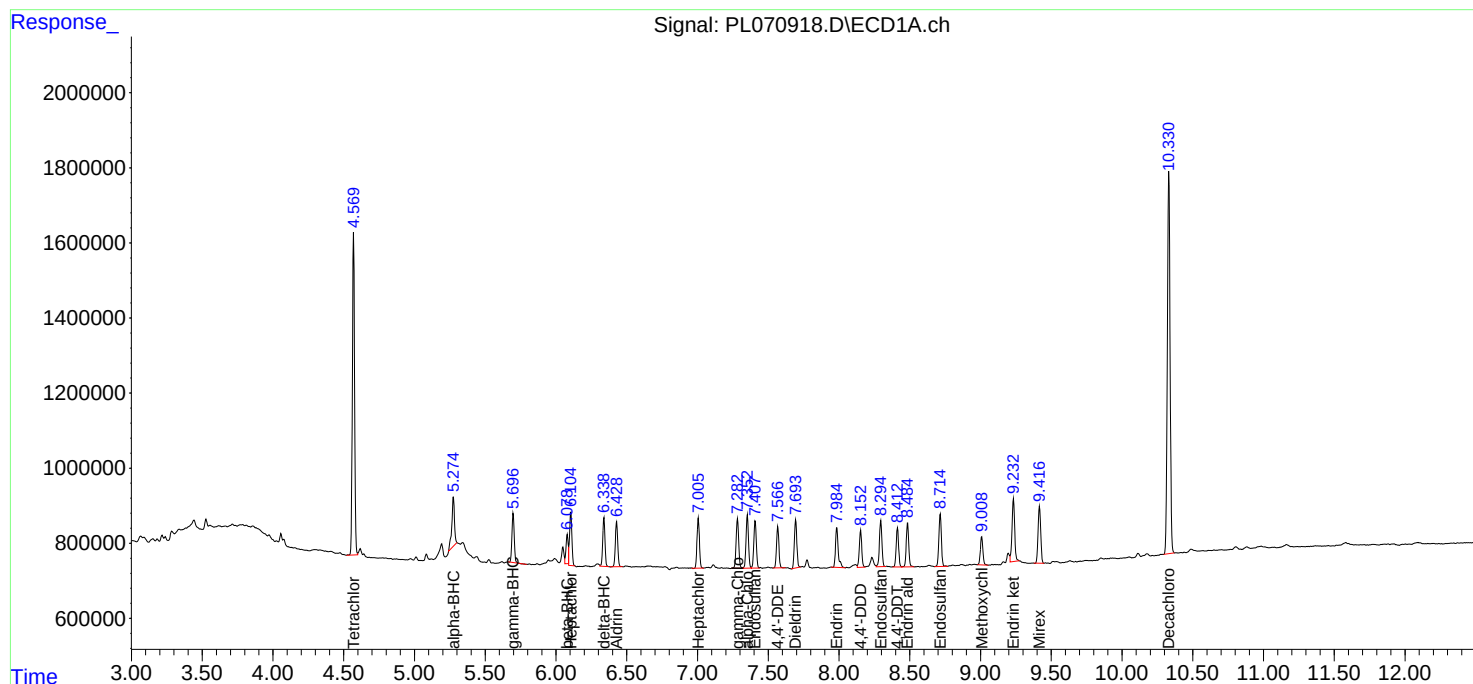
Instrument :
 ECD_L
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

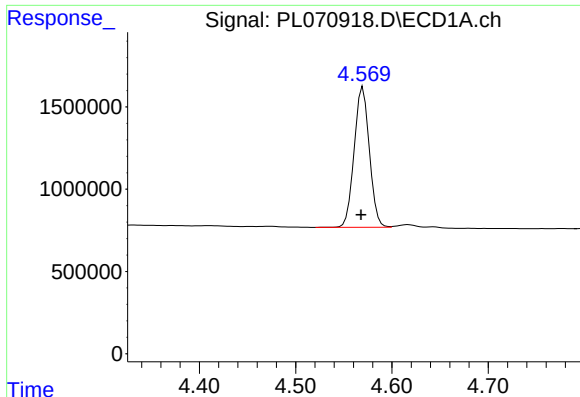
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 Supervised By :mohammad ahmed 11/12/2021

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 04:06:11 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL110321.M
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Volume Inj. : 1 µl
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 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





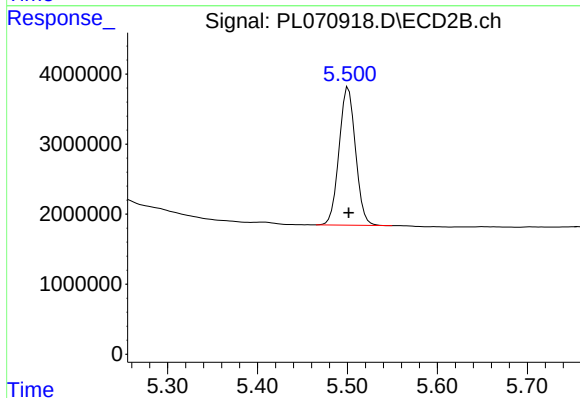
#1 Tetrachloro-m-xylene

R.T.: 4.570 min
Delta R.T.: 0.002 min
Response: 9324198
Conc: 19.04 ng/ml

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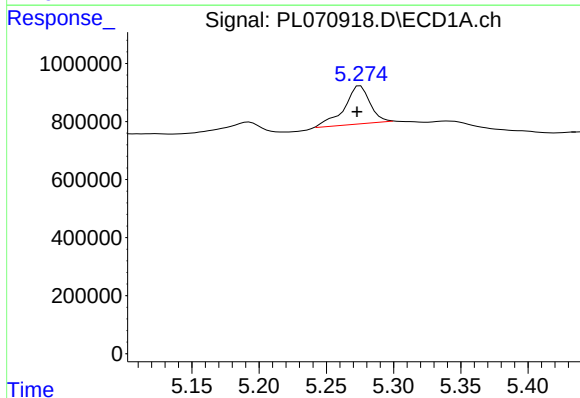
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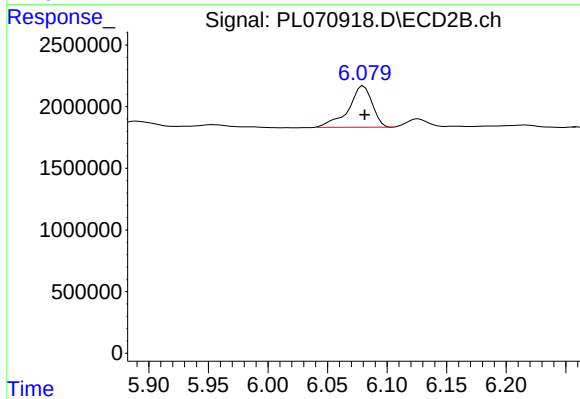
#1 Tetrachloro-m-xylene

R.T.: 5.501 min
Delta R.T.: 0.000 min
Response: 24963283
Conc: 19.80 ng/ml



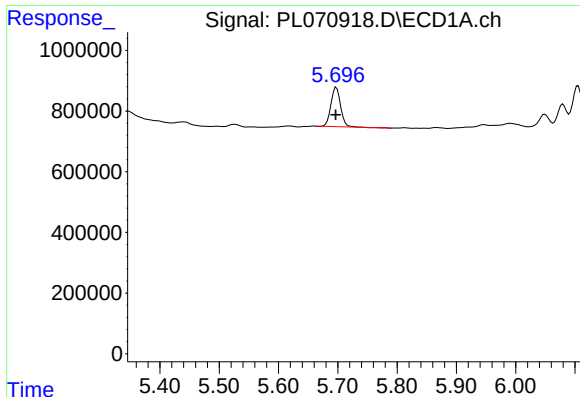
#2 alpha-BHC

R.T.: 5.275 min
Delta R.T.: 0.002 min
Response: 1759649
Conc: 2.63 ng/ml



#2 alpha-BHC

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 4657840
Conc: 2.53 ng/ml



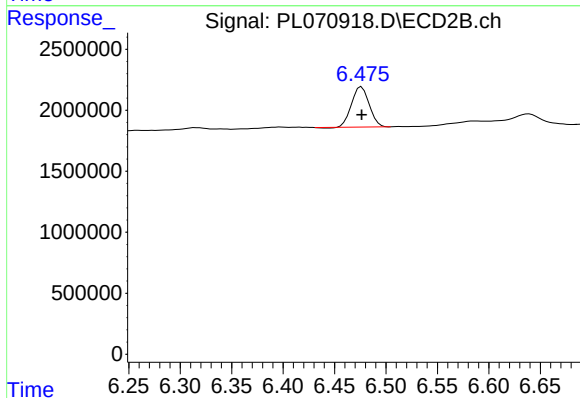
#3 gamma-BHC (Lindane)

R.T.: 5.698 min
Delta R.T.: 0.000 min
Response: 1461254
Conc: 2.18 ng/ml

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

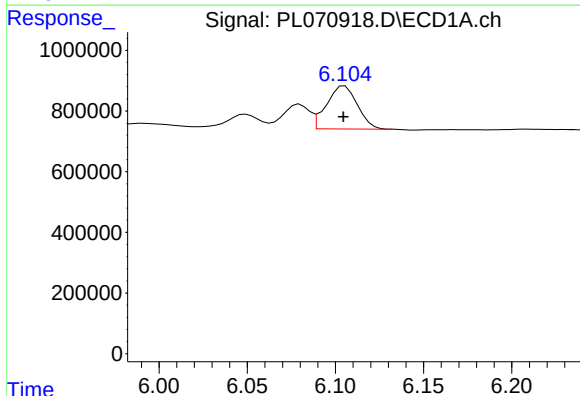
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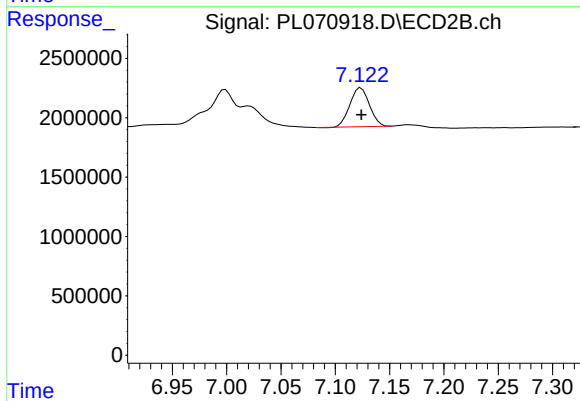
#3 gamma-BHC (Lindane)

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 3938498
Conc: 2.27 ng/ml



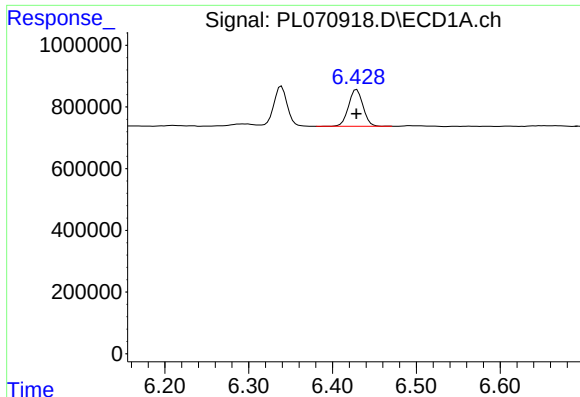
#4 Heptachlor

R.T.: 6.104 min
Delta R.T.: 0.000 min
Response: 1681528
Conc: 2.34 ng/ml m



#4 Heptachlor

R.T.: 7.124 min
Delta R.T.: 0.000 min
Response: 4095137
Conc: 2.52 ng/ml



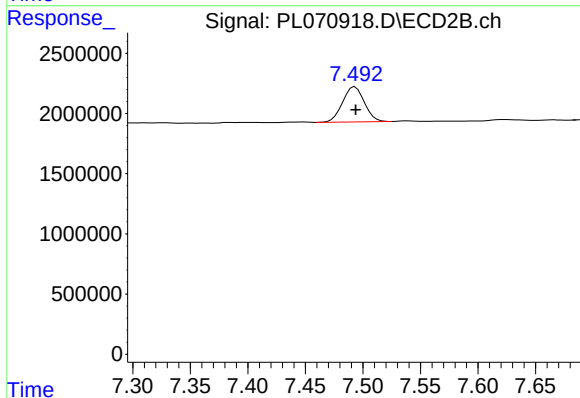
#5 Aldrin

R.T.: 6.429 min
Delta R.T.: 0.000 min
Response: 1437881
Conc: 2.25 ng/ml

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

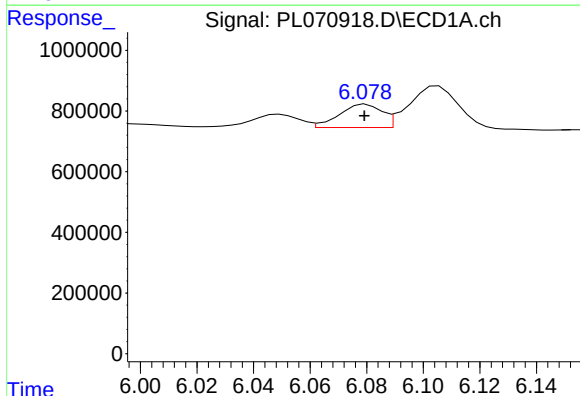
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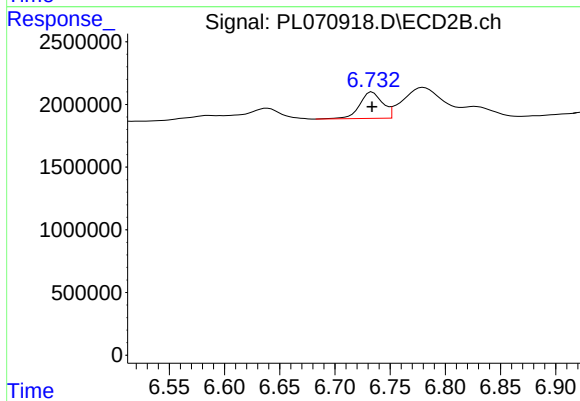
#5 Aldrin

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 3863667
Conc: 2.38 ng/ml



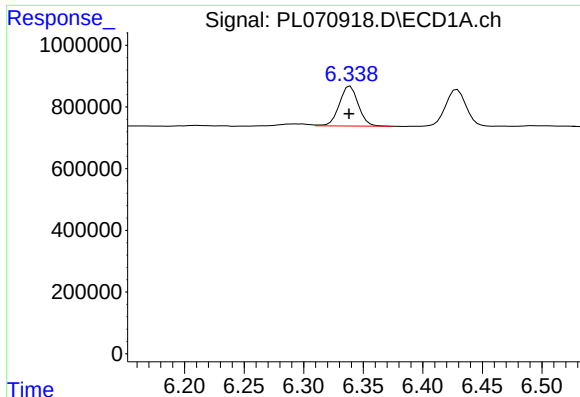
#6 beta-BHC

R.T.: 6.078 min
Delta R.T.: 0.000 min
Response: 895705
Conc: 2.76 ng/ml m



#6 beta-BHC

R.T.: 6.734 min
Delta R.T.: 0.000 min
Response: 2994892
Conc: 3.50 ng/ml



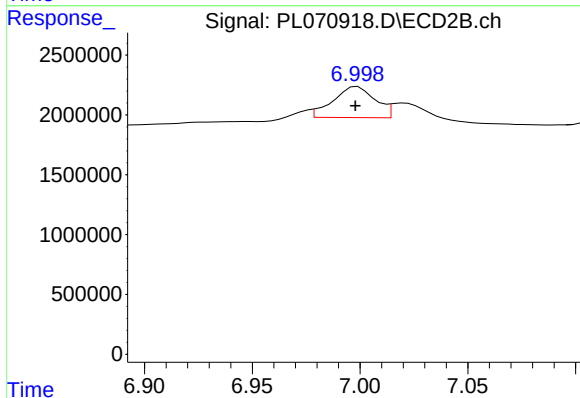
#7 delta-BHC

R.T.: 6.338 min
Delta R.T.: 0.000 min
Response: 1426638
Conc: 2.16 ng/ml

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

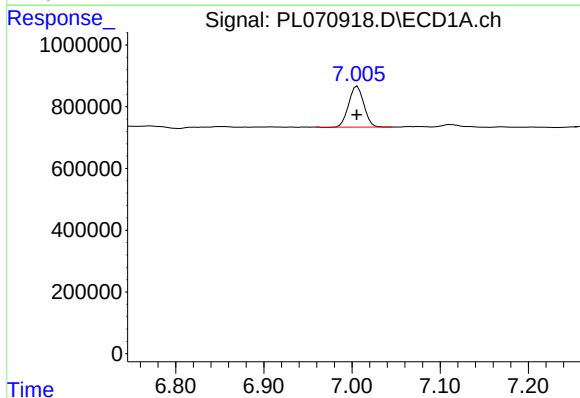
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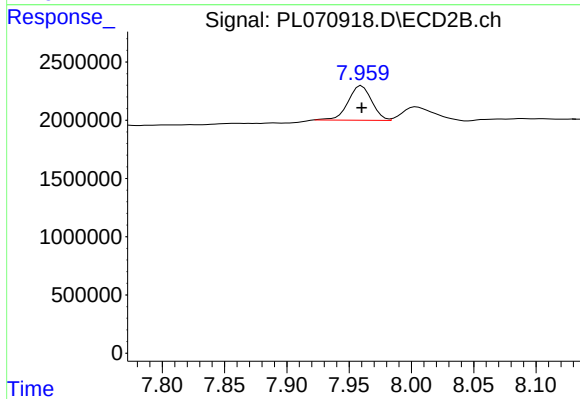
#7 delta-BHC

R.T.: 6.998 min
Delta R.T.: 0.000 min
Response: 3472923
Conc: 2.08 ng/ml m



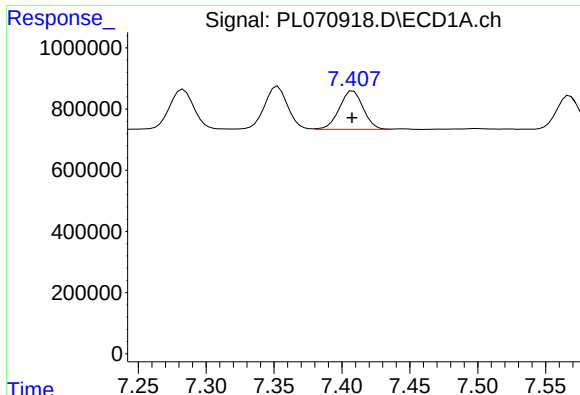
#8 Heptachlor epoxide

R.T.: 7.006 min
Delta R.T.: 0.000 min
Response: 1588555
Conc: 2.44 ng/ml



#8 Heptachlor epoxide

R.T.: 7.960 min
Delta R.T.: 0.000 min
Response: 3929010
Conc: 2.58 ng/ml



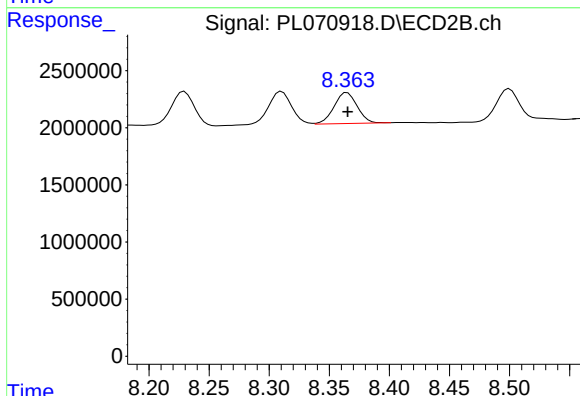
#9 Endosulfan I

R.T.: 7.408 min
Delta R.T.: 0.000 min
Response: 1539079
Conc: 2.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
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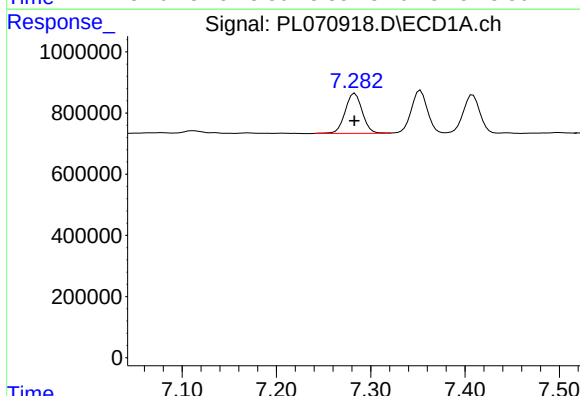
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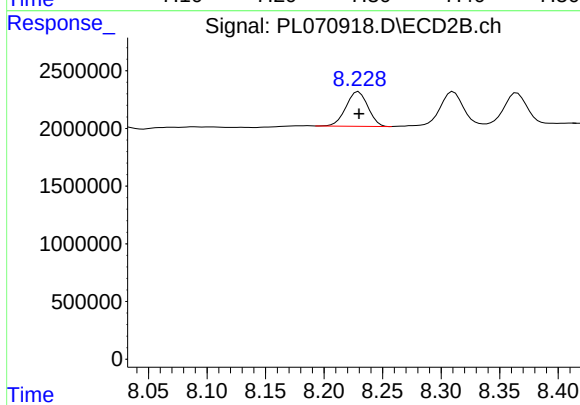
#9 Endosulfan I

R.T.: 8.365 min
Delta R.T.: 0.000 min
Response: 3632811
Conc: 2.53 ng/ml



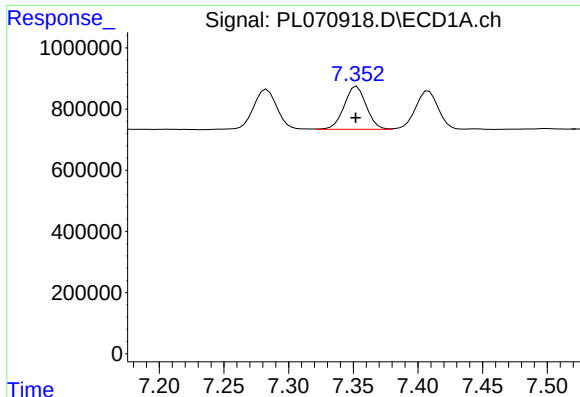
#10 gamma-Chlordane

R.T.: 7.283 min
Delta R.T.: 0.000 min
Response: 1661093
Conc: 2.50 ng/ml



#10 gamma-Chlordane

R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 3910464
Conc: 2.53 ng/ml



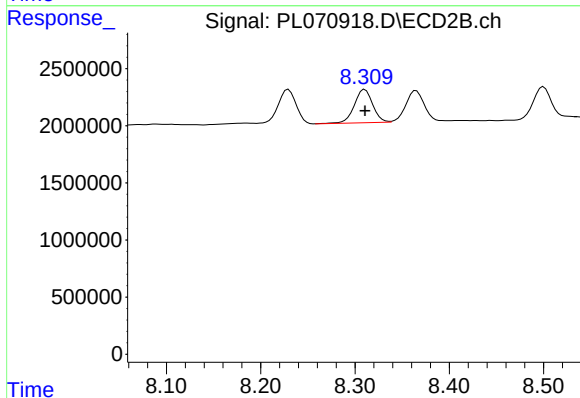
#11 alpha-Chlordane

R.T.: 7.353 min
Delta R.T.: 0.000 min
Response: 1677280
Conc: 2.52 ng/ml

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

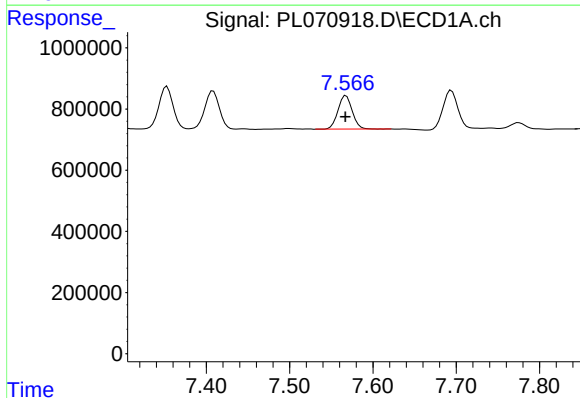
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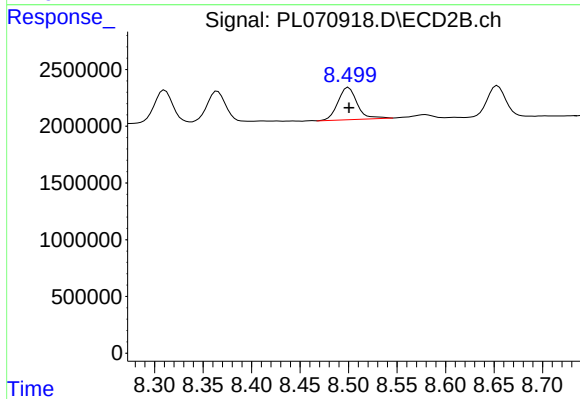
#11 alpha-Chlordane

R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 3954956
Conc: 2.60 ng/ml



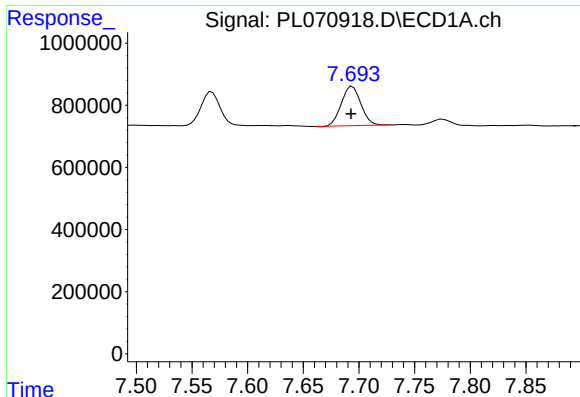
#12 4,4'-DDE

R.T.: 7.568 min
Delta R.T.: 0.000 min
Response: 1302998
Conc: 2.24 ng/ml



#12 4,4'-DDE

R.T.: 8.499 min
Delta R.T.: -0.002 min
Response: 3904651
Conc: 2.65 ng/ml m



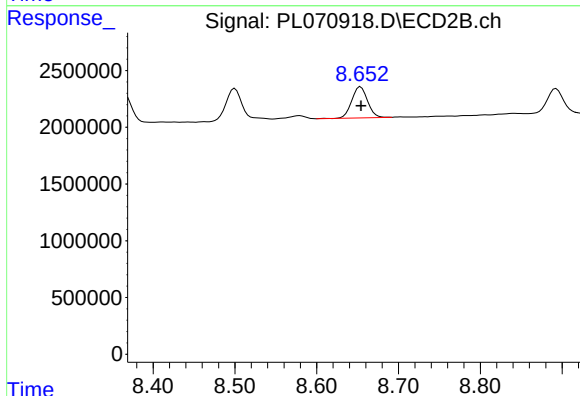
#13 Dieldrin

R.T.: 7.694 min
Delta R.T.: 0.001 min
Response: 1557638
Conc: 2.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
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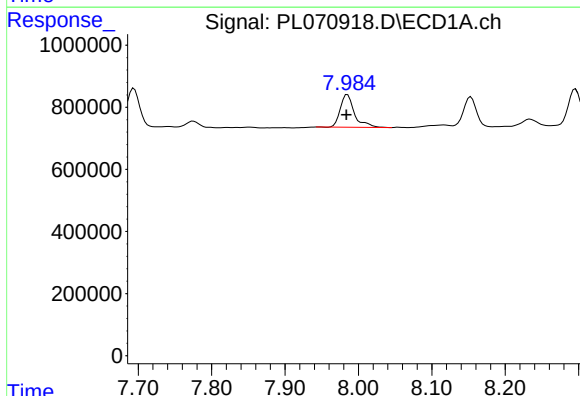
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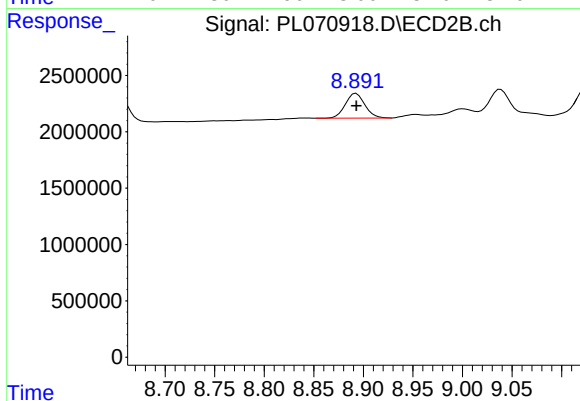
#13 Dieldrin

R.T.: 8.654 min
Delta R.T.: 0.000 min
Response: 3649593
Conc: 2.50 ng/ml



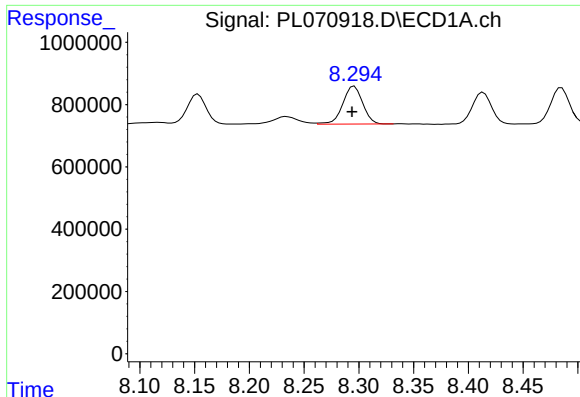
#14 Endrin

R.T.: 7.985 min
Delta R.T.: 0.001 min
Response: 1425113
Conc: 2.51 ng/ml



#14 Endrin

R.T.: 8.893 min
Delta R.T.: 0.000 min
Response: 2998896
Conc: 2.59 ng/ml



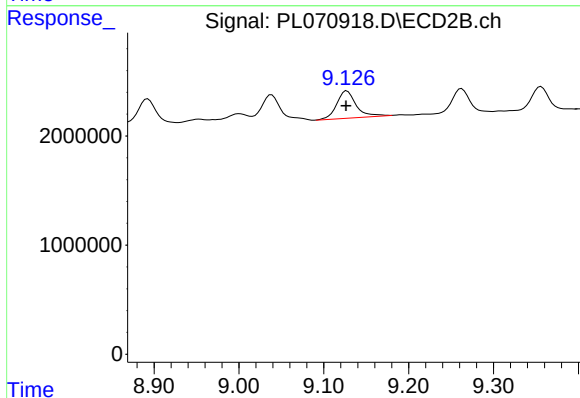
#15 Endosulfan II

R.T.: 8.296 min
Delta R.T.: 0.002 min
Response: 1534687
Conc: 2.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
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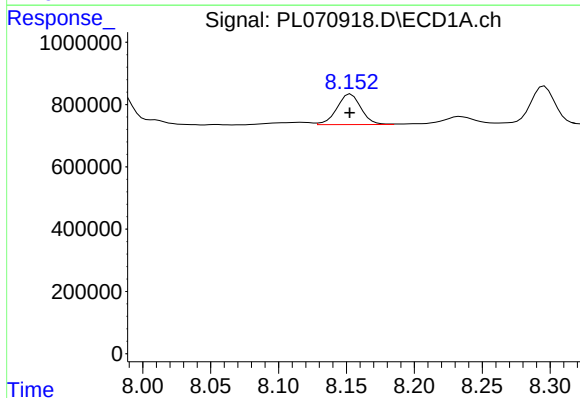
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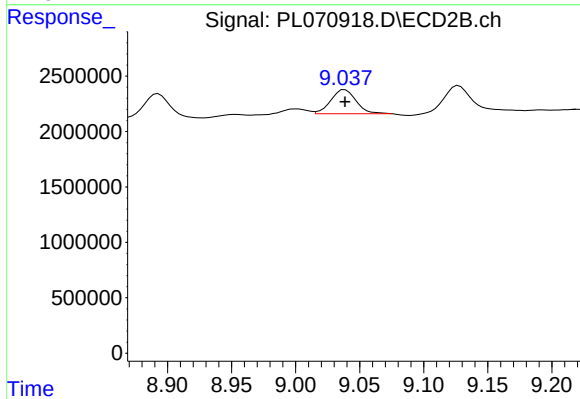
#15 Endosulfan II

R.T.: 9.126 min
Delta R.T.: 0.000 min
Response: 4042130
Conc: 3.31 ng/ml m



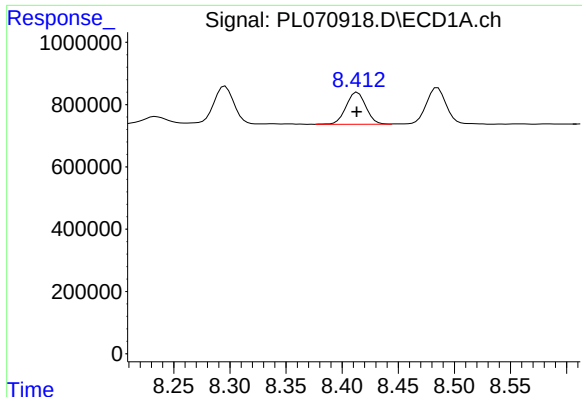
#16 4,4'-DDD

R.T.: 8.153 min
Delta R.T.: 0.000 min
Response: 1207611
Conc: 2.38 ng/ml



#16 4,4'-DDD

R.T.: 9.037 min
Delta R.T.: -0.002 min
Response: 2962384
Conc: 2.46 ng/ml m



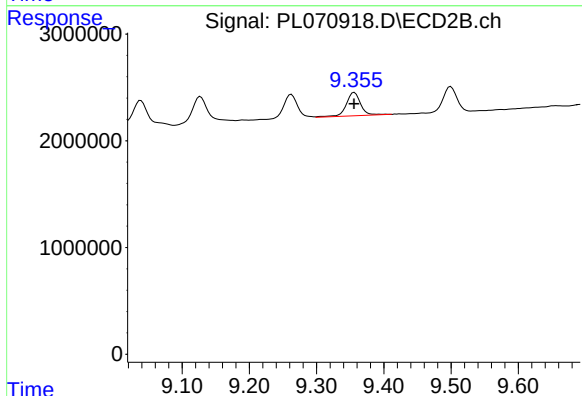
#17 4,4'-DDT

R.T.: 8.414 min
Delta R.T.: 0.000 min
Response: 1262331
Conc: 2.30 ng/ml

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

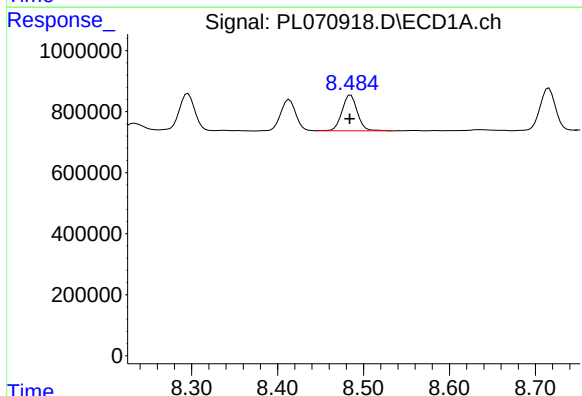
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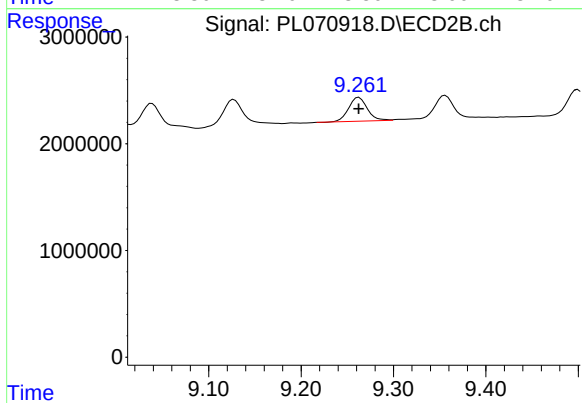
#17 4,4'-DDT

R.T.: 9.356 min
Delta R.T.: 0.000 min
Response: 3247256
Conc: 2.57 ng/ml



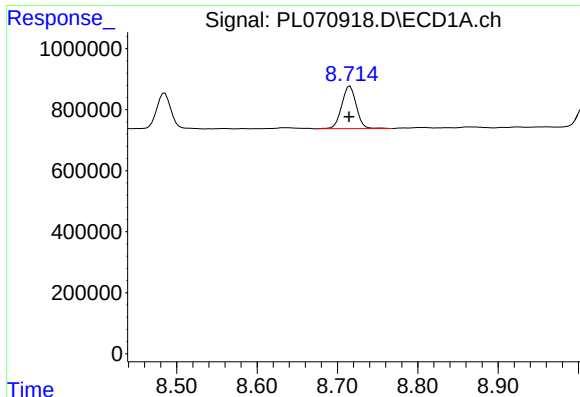
#18 Endrin aldehyde

R.T.: 8.485 min
Delta R.T.: 0.000 min
Response: 1463450
Conc: 3.22 ng/ml



#18 Endrin aldehyde

R.T.: 9.263 min
Delta R.T.: 0.000 min
Response: 3136131
Conc: 3.24 ng/ml



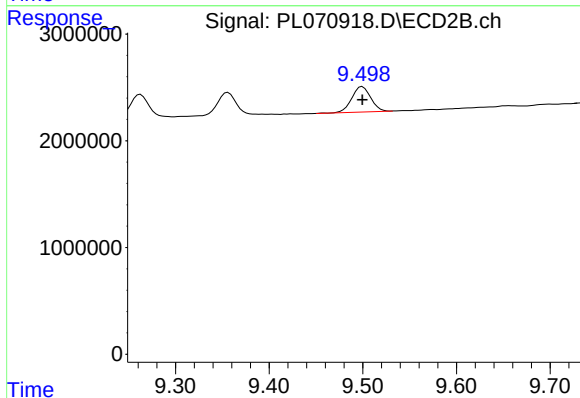
#19 Endosulfan Sulfate

R.T.: 8.716 min
Delta R.T.: 0.000 min
Response: 1753175
Conc: 2.84 ng/ml

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

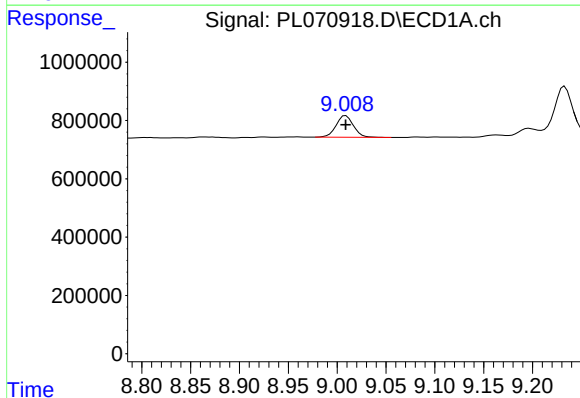
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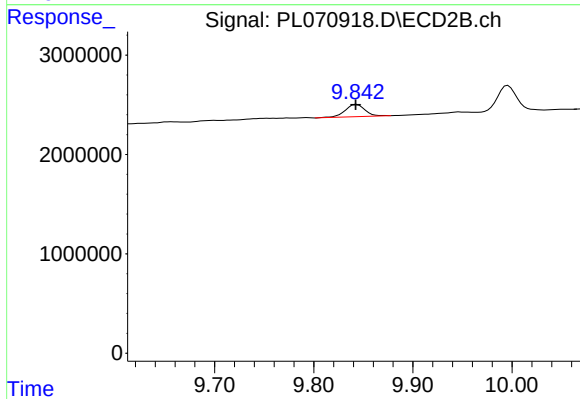
#19 Endosulfan Sulfate

R.T.: 9.500 min
Delta R.T.: 0.000 min
Response: 3346982
Conc: 2.70 ng/ml



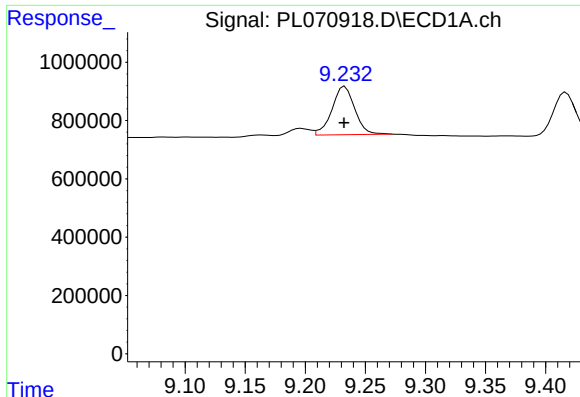
#20 Methoxychlor

R.T.: 9.009 min
Delta R.T.: 0.000 min
Response: 926939
Conc: 2.53 ng/ml



#20 Methoxychlor

R.T.: 9.843 min
Delta R.T.: 0.000 min
Response: 1720947
Conc: 2.54 ng/ml



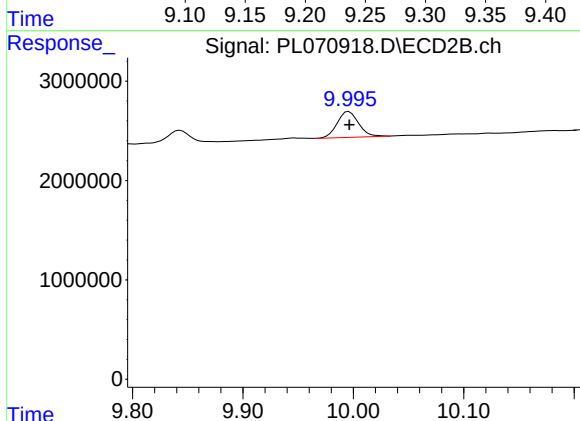
#21 Endrin ketone

R.T.: 9.233 min
Delta R.T.: 0.000 min
Response: 2197856
Conc: 3.07 ng/ml

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

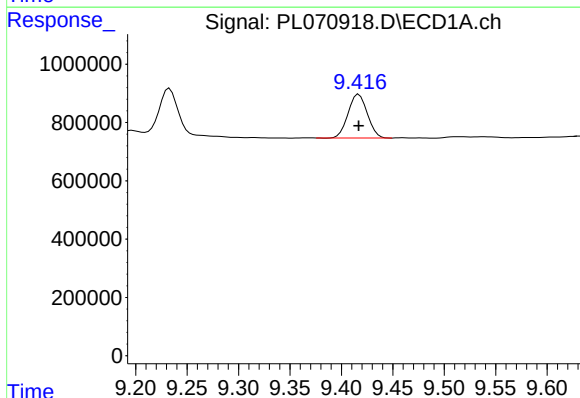
Manual Integrations
APPROVED

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



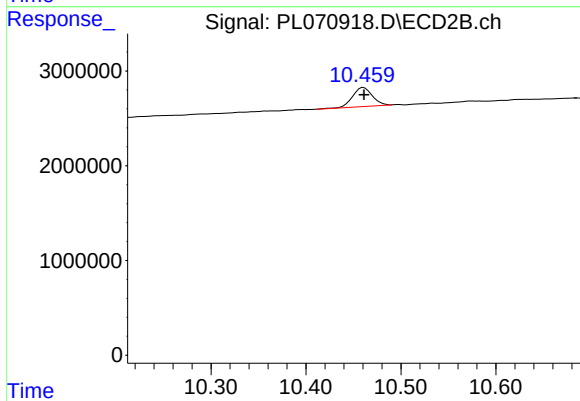
#21 Endrin ketone

R.T.: 9.996 min
Delta R.T.: 0.000 min
Response: 3515326
Conc: 2.45 ng/ml



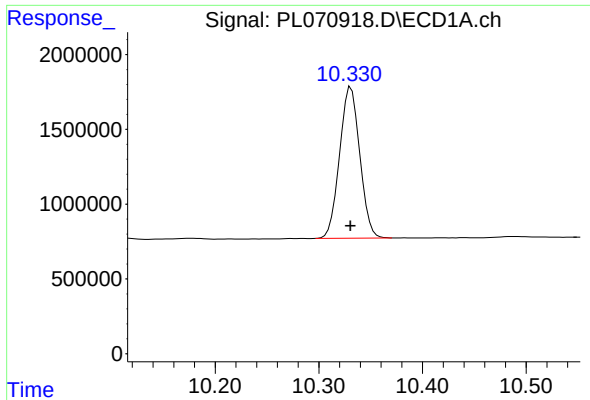
#22 Mirex

R.T.: 9.417 min
Delta R.T.: 0.000 min
Response: 1949390
Conc: 3.17 ng/ml



#22 Mirex

R.T.: 10.461 min
Delta R.T.: 0.000 min
Response: 2892344
Conc: 2.78 ng/ml



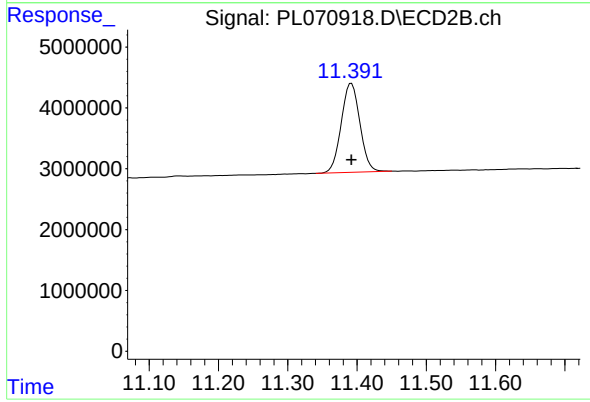
#28 Decachlorobiphenyl

R.T.: 10.331 min
Delta R.T.: 0.000 min
Response: 13706099
Conc: 20.06 ng/ml

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

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#28 Decachlorobiphenyl

R.T.: 11.392 min
Delta R.T.: 0.000 min
Response: 27402542
Conc: 20.49 ng/ml