

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL111121\
 Data File : PL070921.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2021 13:11
 Operator : AR\AJ
 Sample : M4068-07
 Misc : (Sig #1); PEST LOD 2.5PPB (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOD-MDL-WATER-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 03:31:20 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...	4.567	5.501	9280246	25453410	18.947	20.187
28)	SA Decachlor...	10.330	11.391	13750502	28163762	20.124	21.059
Target Compounds							
2)	A alpha-BHC	5.271	6.080	1635667	4714564	2.443m	2.561
3)	MA gamma-BHC...	5.695	6.476	1458341	4117825	2.174	2.375
4)	MA Heptachlor	6.102	7.123	1754047	4212327	2.445m	2.593
5)	MB Aldrin	6.427	7.493	1469717	3932120	2.298	2.422
6)	B beta-BHC	6.076	6.733	776215	2347602	2.390m	2.740
7)	B delta-BHC	6.337	6.997	1389663	4022701	2.100	2.406m
8)	B Heptachlo...	7.004	7.960	1630931	4106247	2.509	2.694
9)	A Endosulfan I	7.407	8.365	1548734	3700306	2.528	2.572
10)	B gamma-Chl...	7.281	8.229	1683048	3961472	2.535	2.559
11)	B alpha-Chl...	7.351	8.310	1690924	3993357	2.538	2.626
12)	B 4,4'-DDE	7.567	8.498	1310135	3864973	2.249	2.619m
13)	MA Dieldrin	7.693	8.654	1580808	3746334	2.532	2.571
14)	MA Endrin	7.982	8.893	1277543	3039343	2.253m	2.624
15)	B Endosulfa...	8.295	9.127	1529226	3369118	2.526	2.759
16)	A 4,4'-DDD	8.150	9.039	1197721	2635831	2.357m	2.190
17)	MA 4,4'-DDT	8.412	9.356	1243962	3116582	2.262	2.470
18)	B Endrin al...	8.484	9.263	1421006	3115366	3.128	3.222
19)	B Endosulfa...	8.714	9.499	1761913	3430060	2.856	2.768
20)	A Methoxychlor	9.008	9.842	916102	1726206	2.504	2.551
21)	B Endrin ke...	9.232	9.996	2082638	3643765	2.913	2.538
22)	Mirex	9.416	10.461	1982545	3068318	3.228	2.946

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

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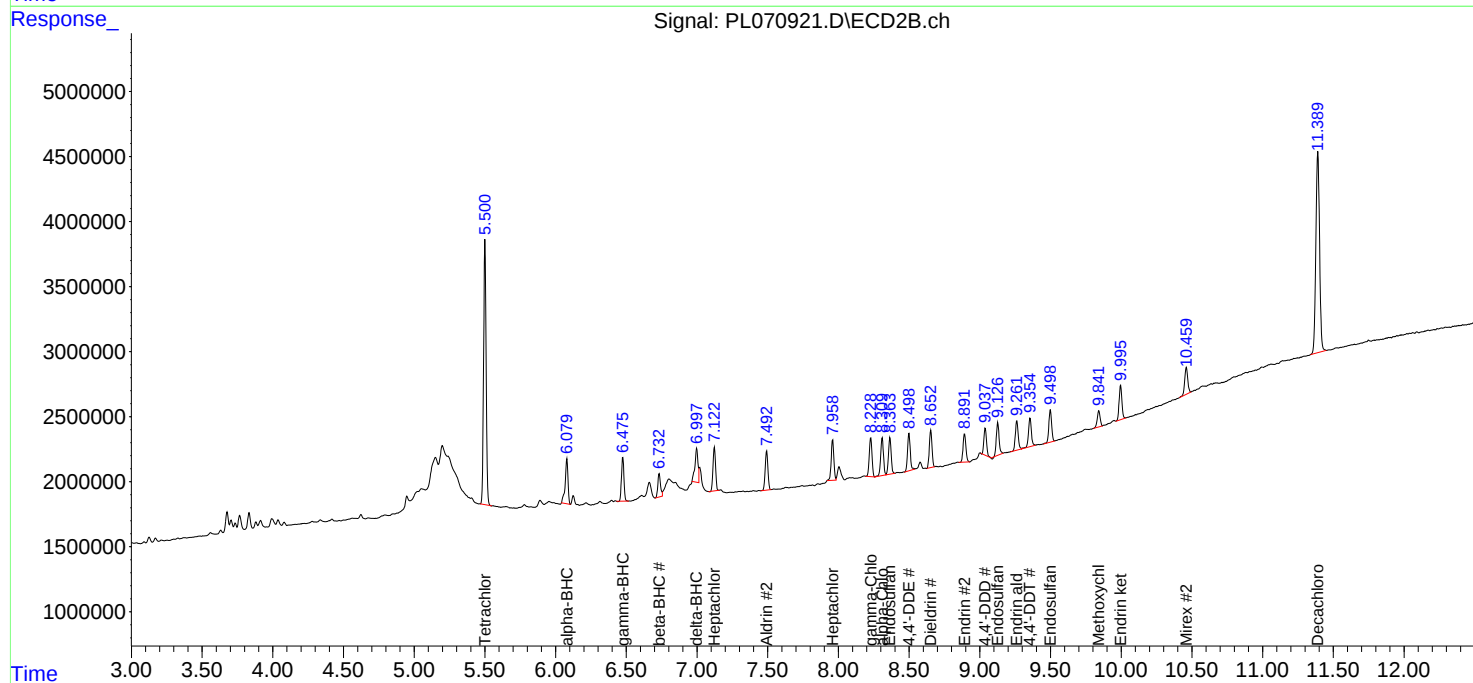
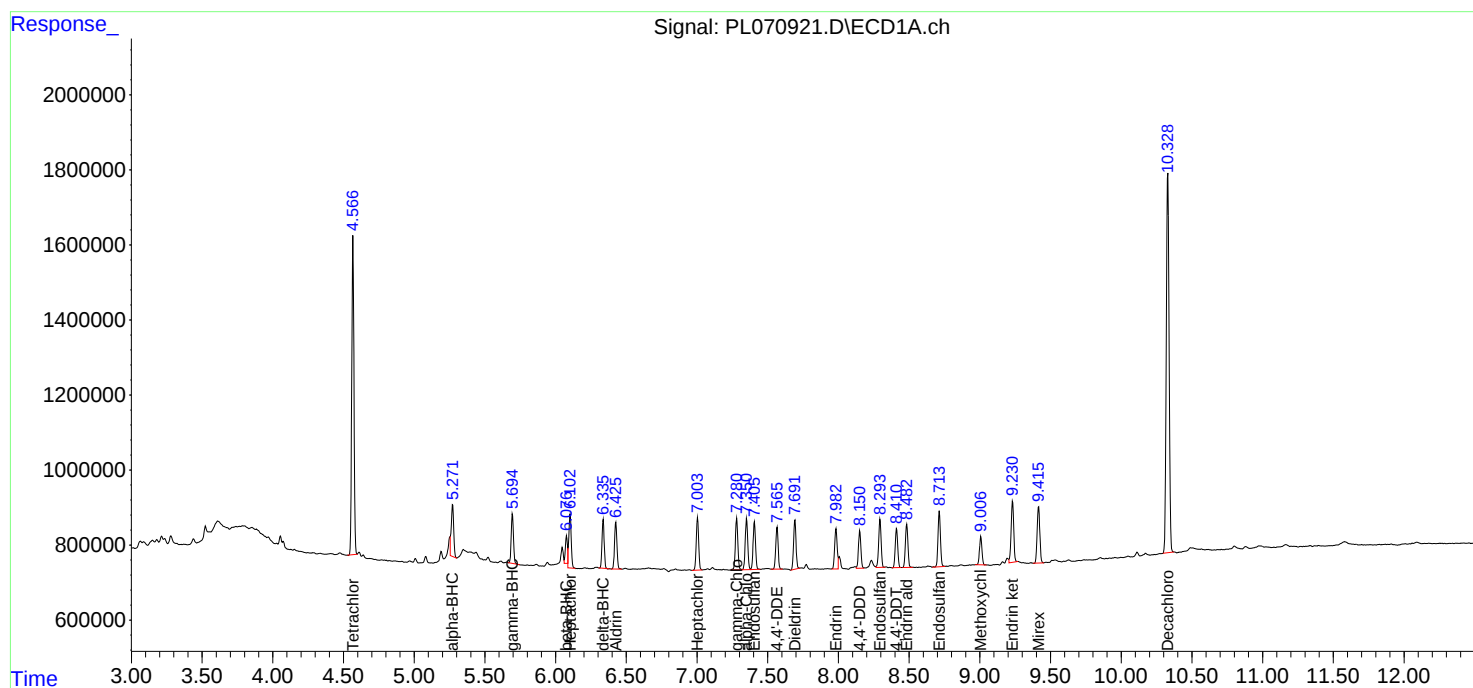
Instrument :
 ECD_L
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2021

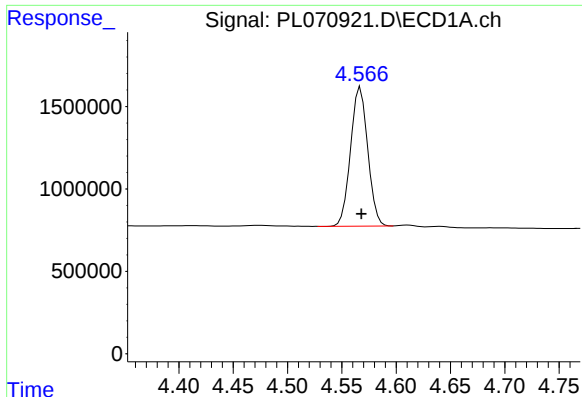
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Integration File signal 1: autoint1.e
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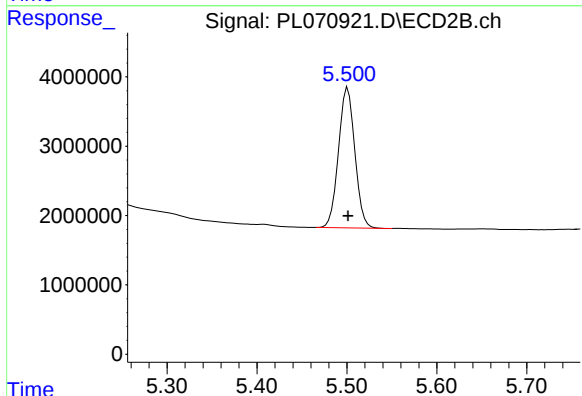
#1 Tetrachloro-m-xylene

R.T.: 4.567 min
Delta R.T.: 0.000 min
Response: 9280246
Conc: 18.95 ng/ml

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

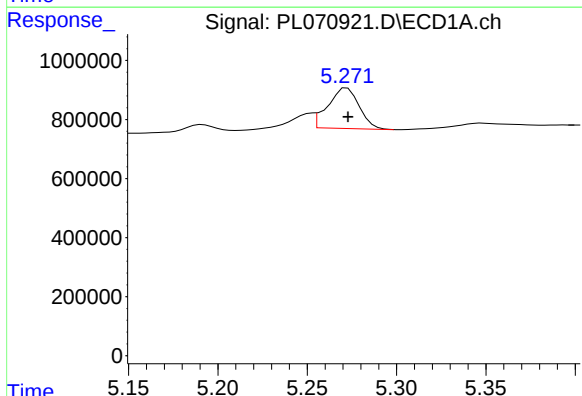
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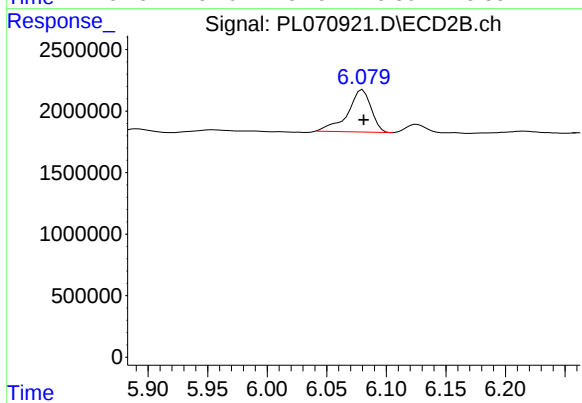
#1 Tetrachloro-m-xylene

R.T.: 5.501 min
Delta R.T.: 0.000 min
Response: 25453410
Conc: 20.19 ng/ml



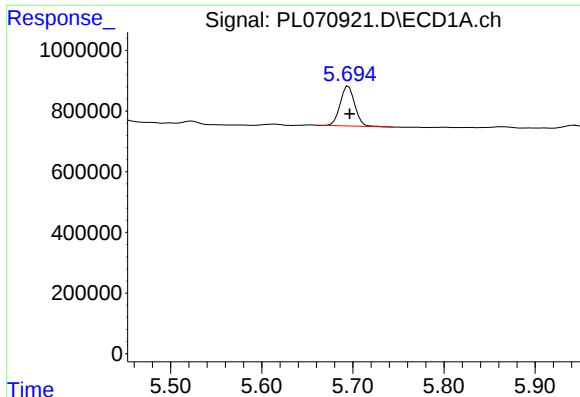
#2 alpha-BHC

R.T.: 5.271 min
Delta R.T.: -0.002 min
Response: 1635667
Conc: 2.44 ng/ml m



#2 alpha-BHC

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 4714564
Conc: 2.56 ng/ml



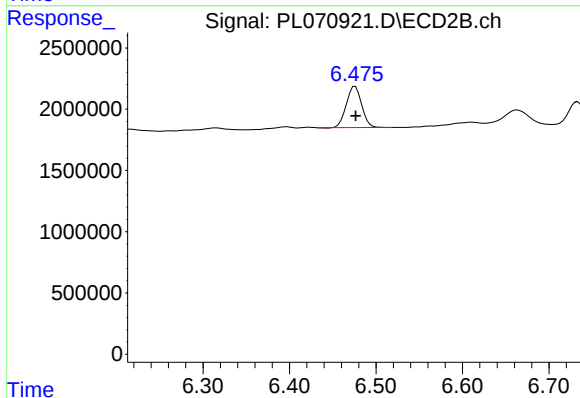
#3 gamma-BHC (Lindane)

R.T.: 5.695 min
Delta R.T.: -0.002 min
Response: 1458341
Conc: 2.17 ng/ml

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

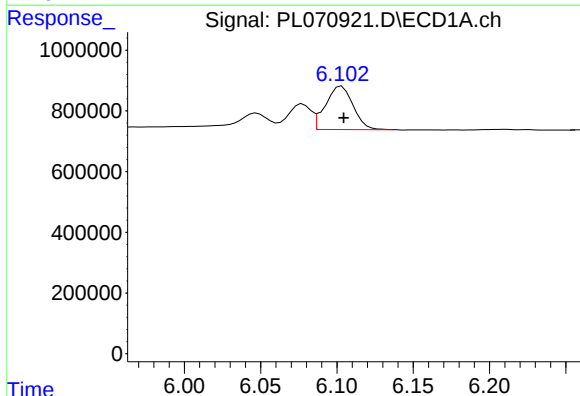
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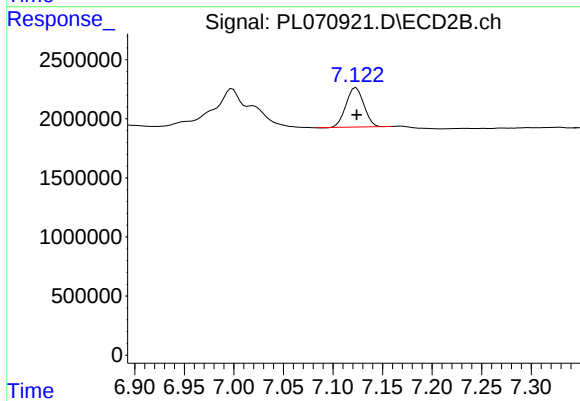
#3 gamma-BHC (Lindane)

R.T.: 6.476 min
Delta R.T.: 0.000 min
Response: 4117825
Conc: 2.37 ng/ml



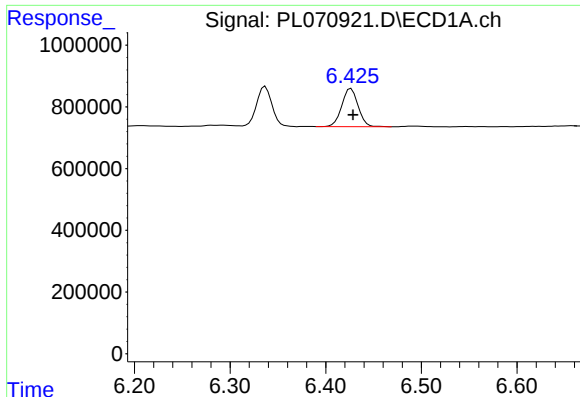
#4 Heptachlor

R.T.: 6.102 min
Delta R.T.: -0.003 min
Response: 1754047
Conc: 2.44 ng/ml m



#4 Heptachlor

R.T.: 7.123 min
Delta R.T.: 0.000 min
Response: 4212327
Conc: 2.59 ng/ml



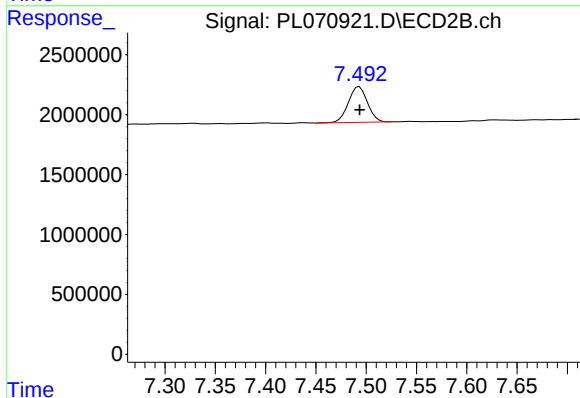
#5 Aldrin

R.T.: 6.427 min
Delta R.T.: -0.002 min
Response: 1469717
Conc: 2.30 ng/ml

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

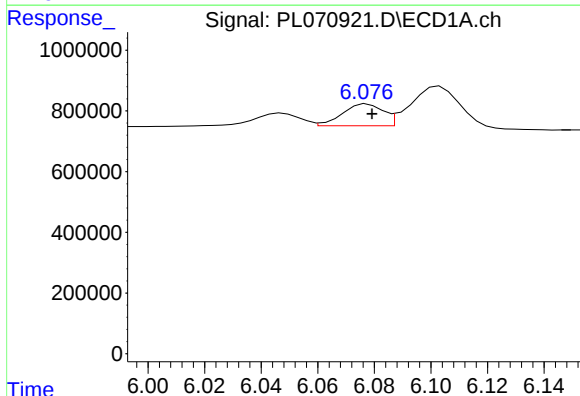
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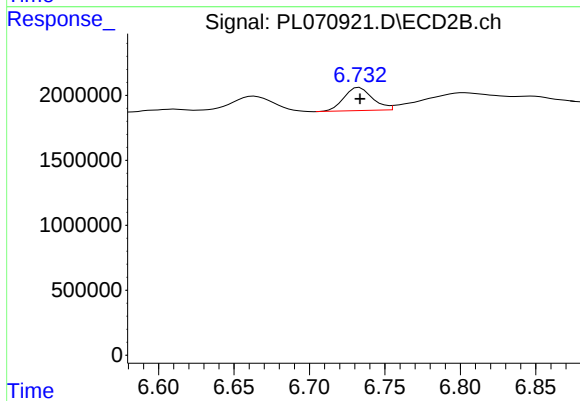
#5 Aldrin

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 3932120
Conc: 2.42 ng/ml



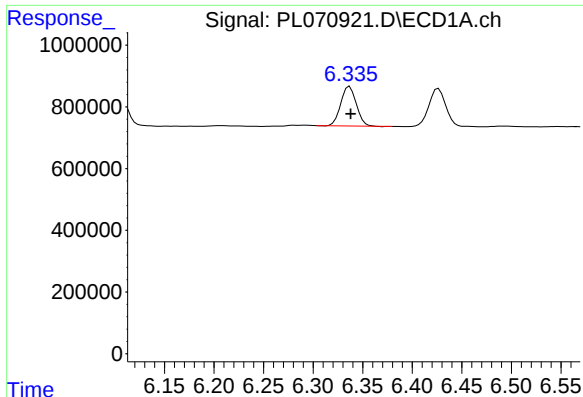
#6 beta-BHC

R.T.: 6.076 min
Delta R.T.: -0.003 min
Response: 776215
Conc: 2.39 ng/ml m



#6 beta-BHC

R.T.: 6.733 min
Delta R.T.: 0.000 min
Response: 2347602
Conc: 2.74 ng/ml



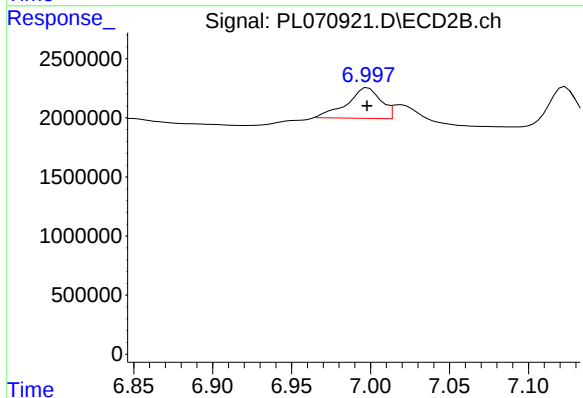
#7 delta-BHC

R.T.: 6.337 min
Delta R.T.: -0.001 min
Response: 1389663
Conc: 2.10 ng/ml

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

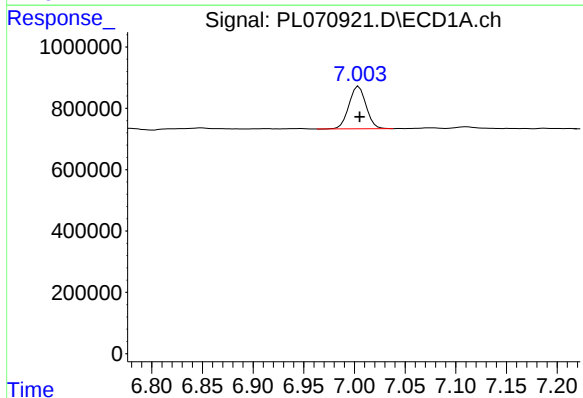
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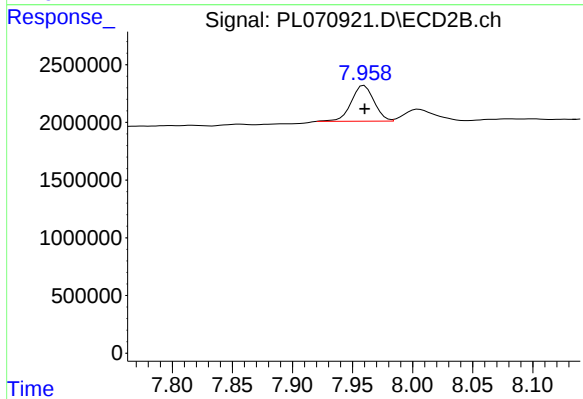
#7 delta-BHC

R.T.: 6.997 min
Delta R.T.: 0.000 min
Response: 4022701
Conc: 2.41 ng/ml m



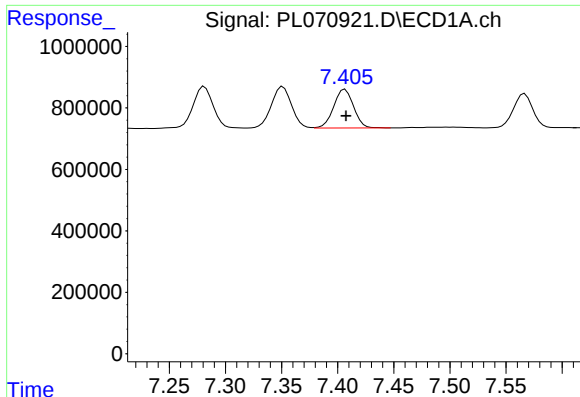
#8 Heptachlor epoxide

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 1630931
Conc: 2.51 ng/ml



#8 Heptachlor epoxide

R.T.: 7.960 min
Delta R.T.: 0.000 min
Response: 4106247
Conc: 2.69 ng/ml



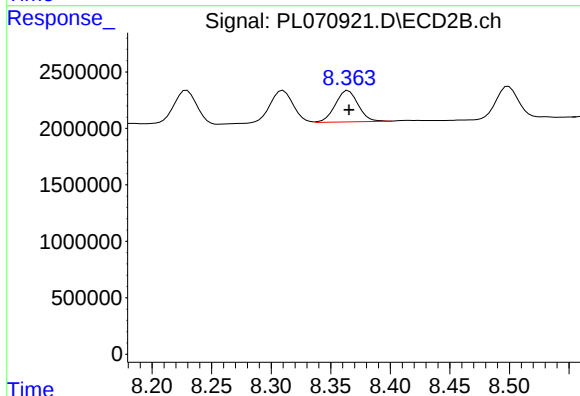
#9 Endosulfan I

R.T.: 7.407 min
Delta R.T.: 0.000 min
Response: 1548734
Conc: 2.53 ng/ml

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

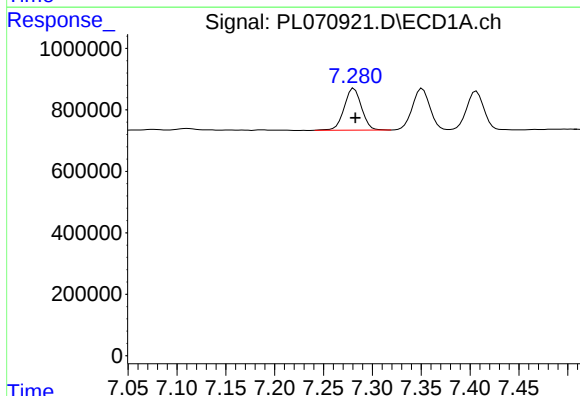
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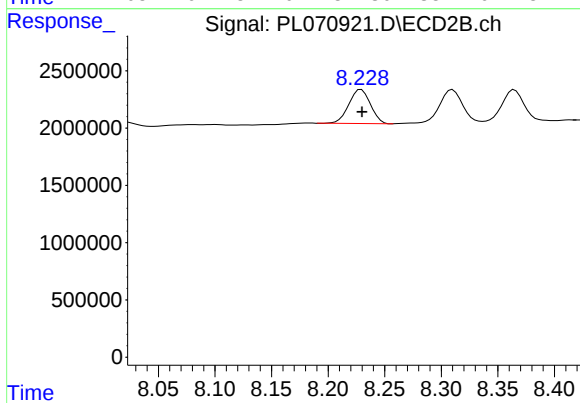
#9 Endosulfan I

R.T.: 8.365 min
Delta R.T.: 0.000 min
Response: 3700306
Conc: 2.57 ng/ml



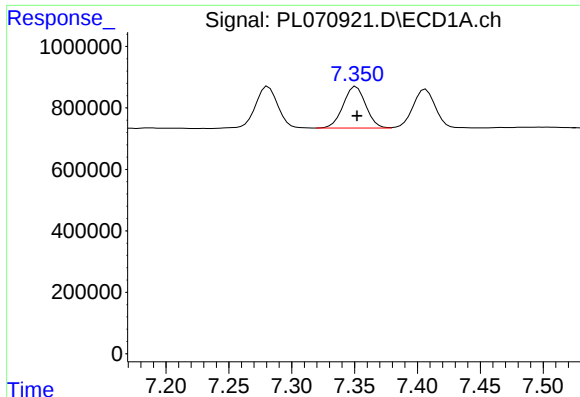
#10 gamma-Chlordane

R.T.: 7.281 min
Delta R.T.: -0.002 min
Response: 1683048
Conc: 2.54 ng/ml



#10 gamma-Chlordane

R.T.: 8.229 min
Delta R.T.: 0.000 min
Response: 3961472
Conc: 2.56 ng/ml



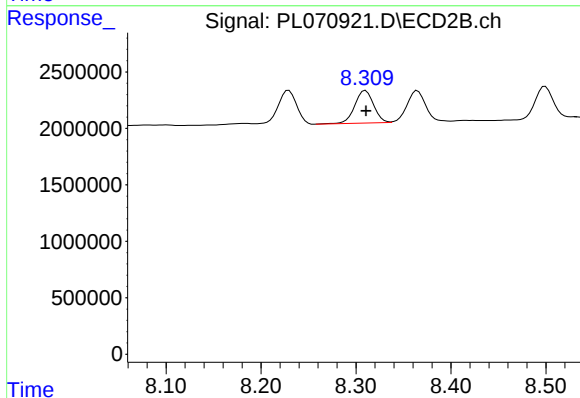
#11 alpha-Chlordane

R.T.: 7.351 min
Delta R.T.: 0.000 min
Response: 1690924
Conc: 2.54 ng/ml

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

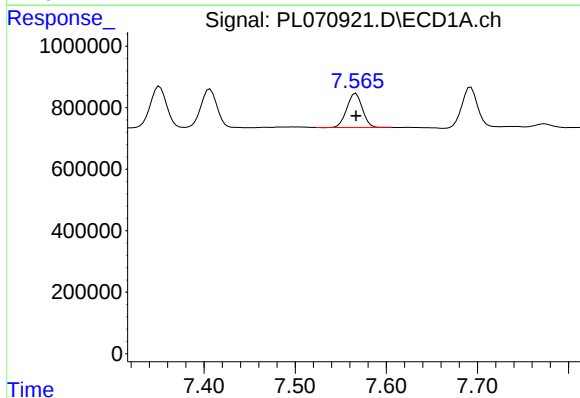
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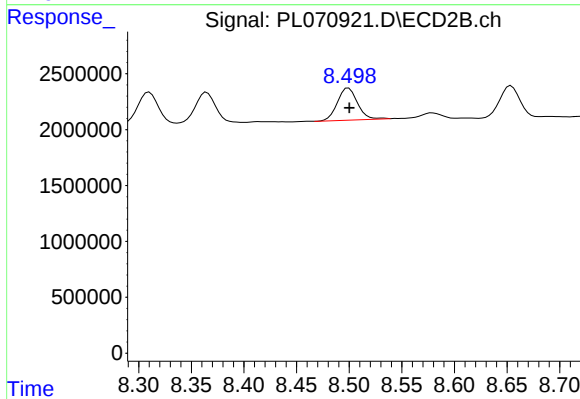
#11 alpha-Chlordane

R.T.: 8.310 min
Delta R.T.: 0.000 min
Response: 3993357
Conc: 2.63 ng/ml



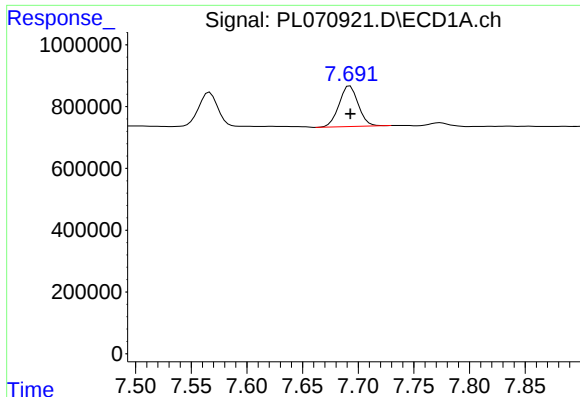
#12 4,4'-DDE

R.T.: 7.567 min
Delta R.T.: 0.000 min
Response: 1310135
Conc: 2.25 ng/ml



#12 4,4'-DDE

R.T.: 8.498 min
Delta R.T.: -0.002 min
Response: 3864973
Conc: 2.62 ng/ml m



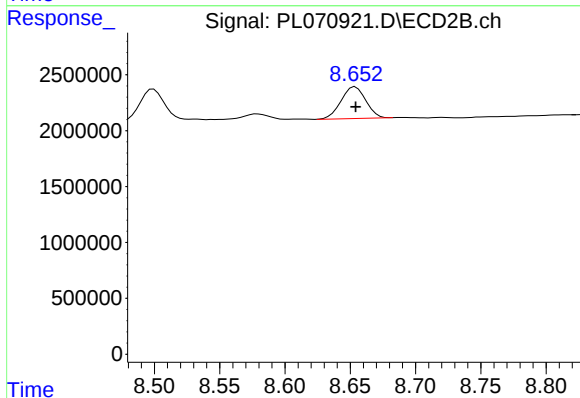
#13 Dieldrin

R.T.: 7.693 min
Delta R.T.: 0.000 min
Response: 1580808
Conc: 2.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
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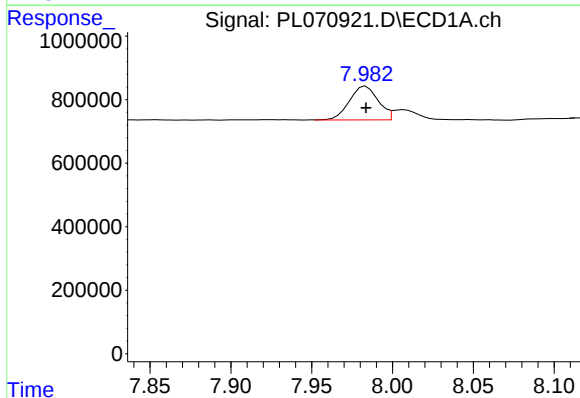
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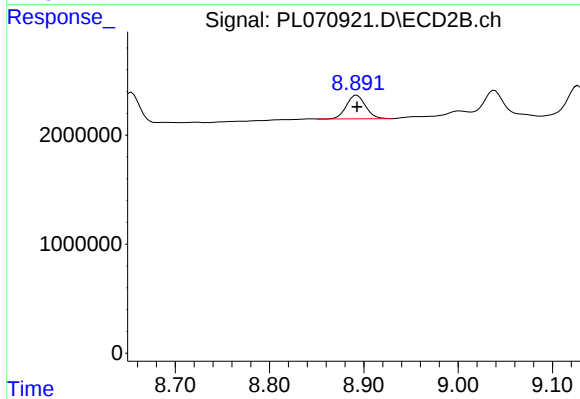
#13 Dieldrin

R.T.: 8.654 min
Delta R.T.: 0.000 min
Response: 3746334
Conc: 2.57 ng/ml



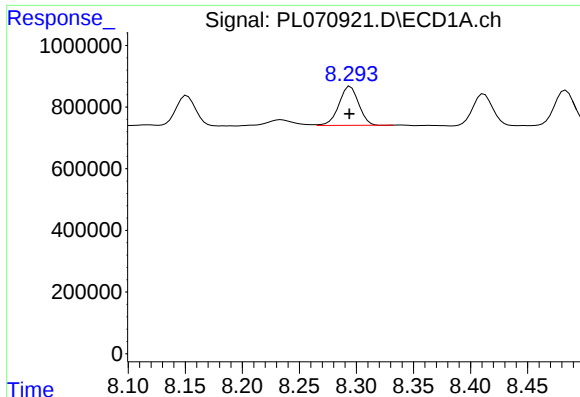
#14 Endrin

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 1277543
Conc: 2.25 ng/ml m



#14 Endrin

R.T.: 8.893 min
Delta R.T.: 0.000 min
Response: 3039343
Conc: 2.62 ng/ml



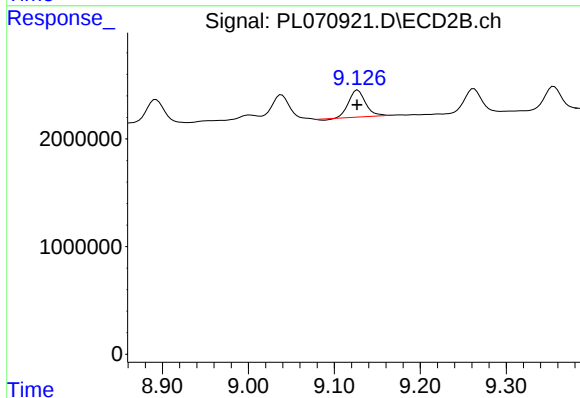
#15 Endosulfan II

R.T.: 8.295 min
Delta R.T.: 0.000 min
Response: 1529226
Conc: 2.53 ng/ml

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

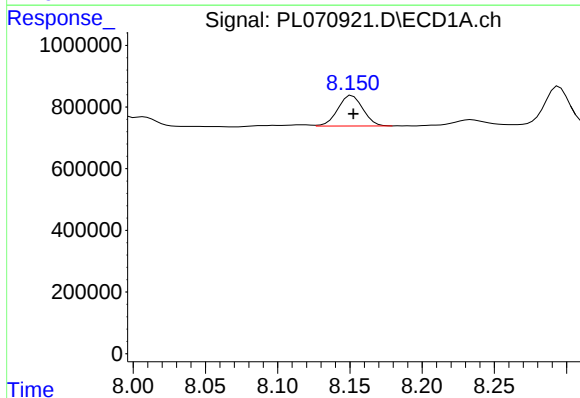
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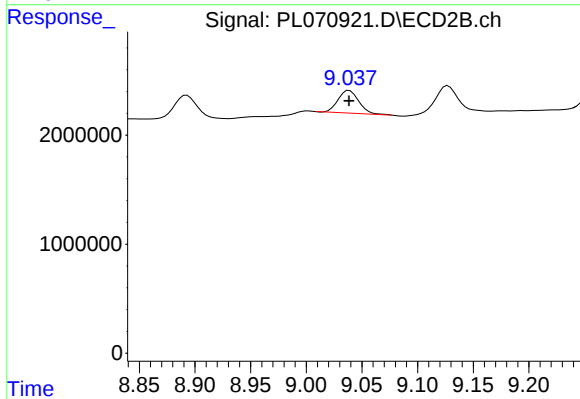
#15 Endosulfan II

R.T.: 9.127 min
Delta R.T.: 0.001 min
Response: 3369118
Conc: 2.76 ng/ml



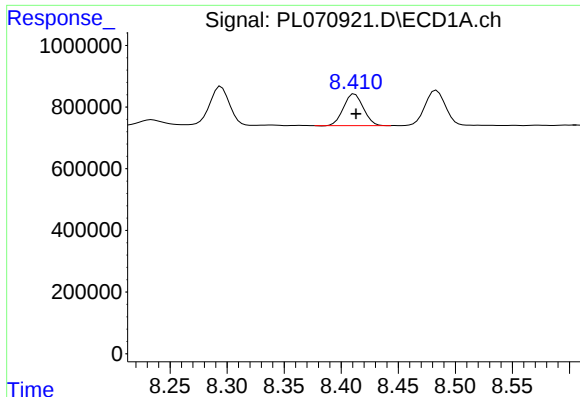
#16 4,4'-DDD

R.T.: 8.150 min
Delta R.T.: -0.002 min
Response: 1197721
Conc: 2.36 ng/ml m



#16 4,4'-DDD

R.T.: 9.039 min
Delta R.T.: 0.000 min
Response: 2635831
Conc: 2.19 ng/ml



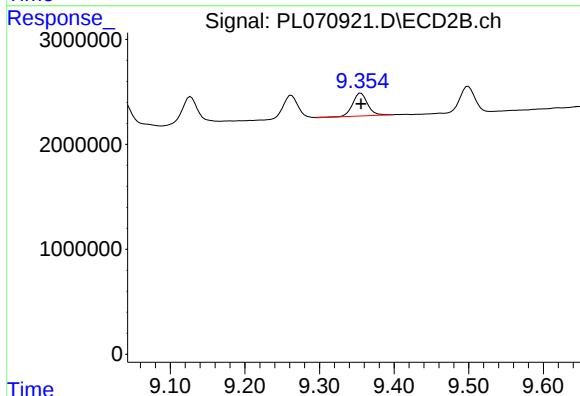
#17 4,4'-DDT

R.T.: 8.412 min
Delta R.T.: -0.001 min
Response: 1243962
Conc: 2.26 ng/ml

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

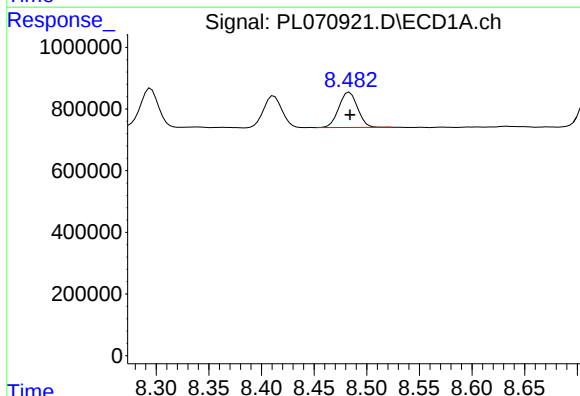
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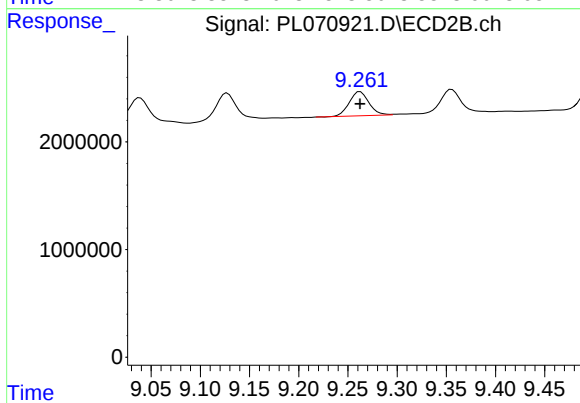
#17 4,4'-DDT

R.T.: 9.356 min
Delta R.T.: 0.000 min
Response: 3116582
Conc: 2.47 ng/ml



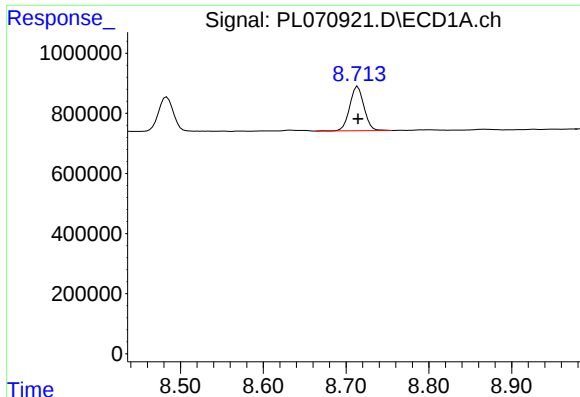
#18 Endrin aldehyde

R.T.: 8.484 min
Delta R.T.: 0.000 min
Response: 1421006
Conc: 3.13 ng/ml



#18 Endrin aldehyde

R.T.: 9.263 min
Delta R.T.: 0.000 min
Response: 3115366
Conc: 3.22 ng/ml



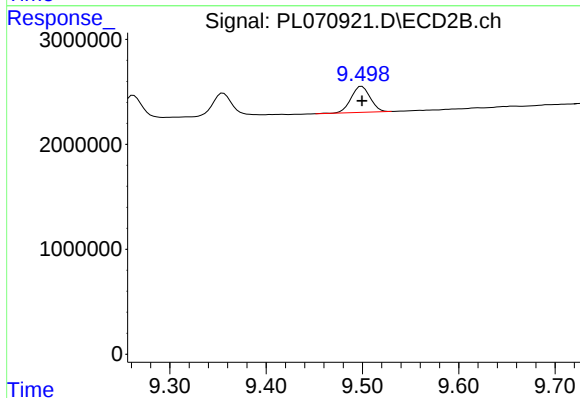
#19 Endosulfan Sulfate

R.T.: 8.714 min
Delta R.T.: 0.000 min
Response: 1761913
Conc: 2.86 ng/ml

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

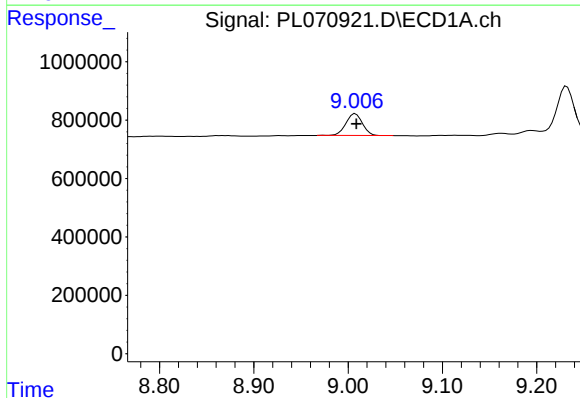
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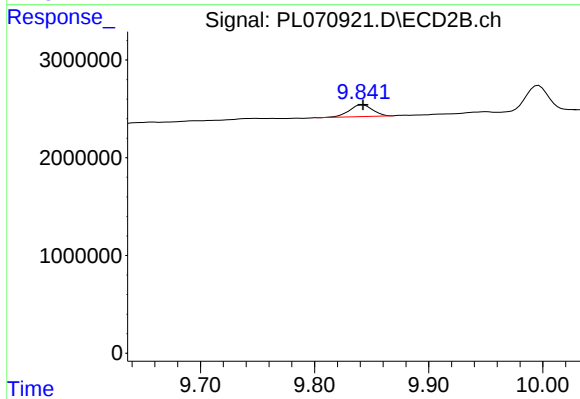
#19 Endosulfan Sulfate

R.T.: 9.499 min
Delta R.T.: 0.000 min
Response: 3430060
Conc: 2.77 ng/ml



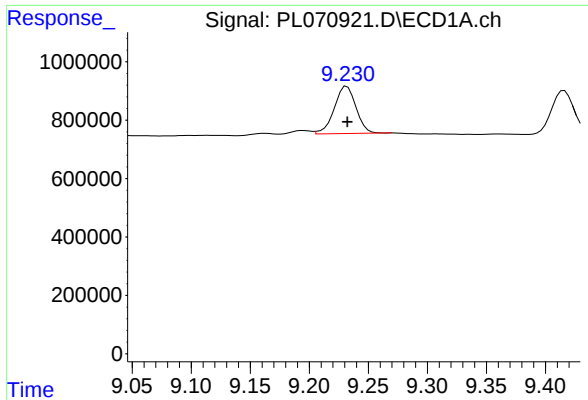
#20 Methoxychlor

R.T.: 9.008 min
Delta R.T.: 0.000 min
Response: 916102
Conc: 2.50 ng/ml



#20 Methoxychlor

R.T.: 9.842 min
Delta R.T.: 0.000 min
Response: 1726206
Conc: 2.55 ng/ml



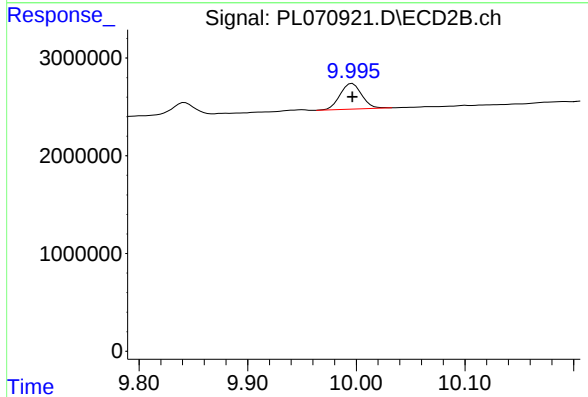
#21 Endrin ketone

R.T.: 9.232 min
Delta R.T.: 0.000 min
Response: 2082638
Conc: 2.91 ng/ml

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

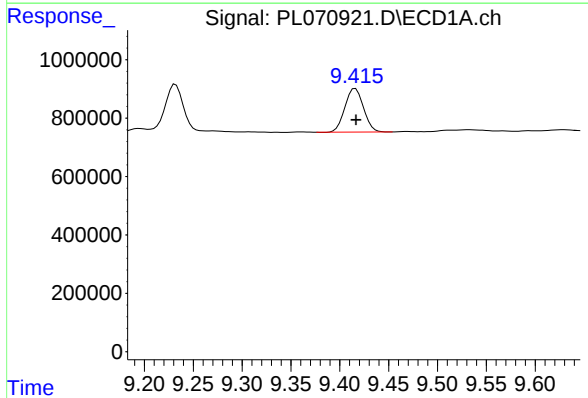
Manual Integrations
APPROVED

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



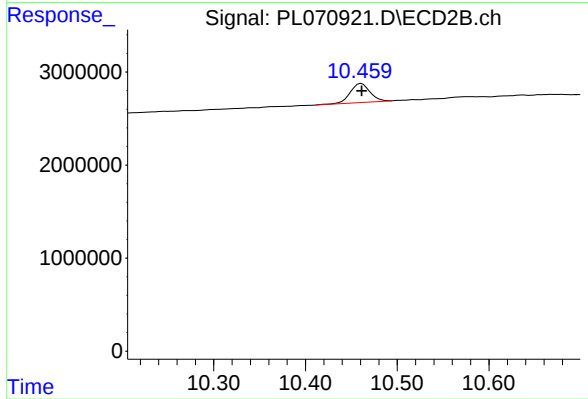
#21 Endrin ketone

R.T.: 9.996 min
Delta R.T.: 0.000 min
Response: 3643765
Conc: 2.54 ng/ml



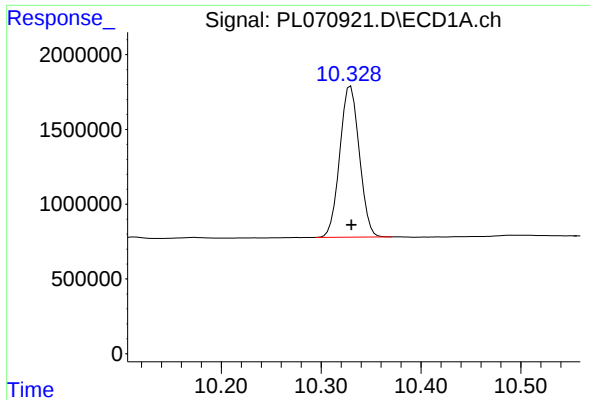
#22 Mirex

R.T.: 9.416 min
Delta R.T.: 0.000 min
Response: 1982545
Conc: 3.23 ng/ml



#22 Mirex

R.T.: 10.461 min
Delta R.T.: 0.000 min
Response: 3068318
Conc: 2.95 ng/ml



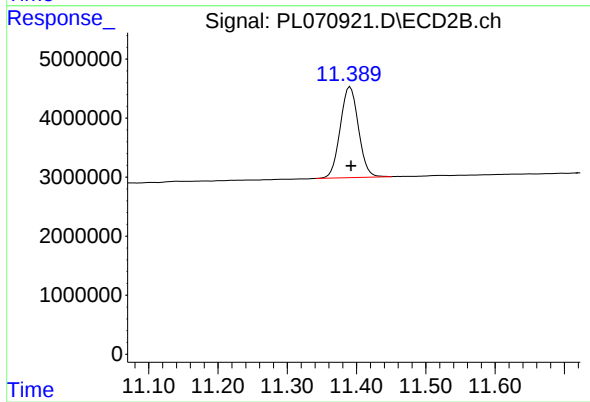
#28 Decachlorobiphenyl

R.T.: 10.330 min
Delta R.T.: 0.000 min
Response: 13750502
Conc: 20.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 11.391 min
Delta R.T.: -0.001 min
Response: 28163762
Conc: 21.06 ng/ml