# Supplementary Material

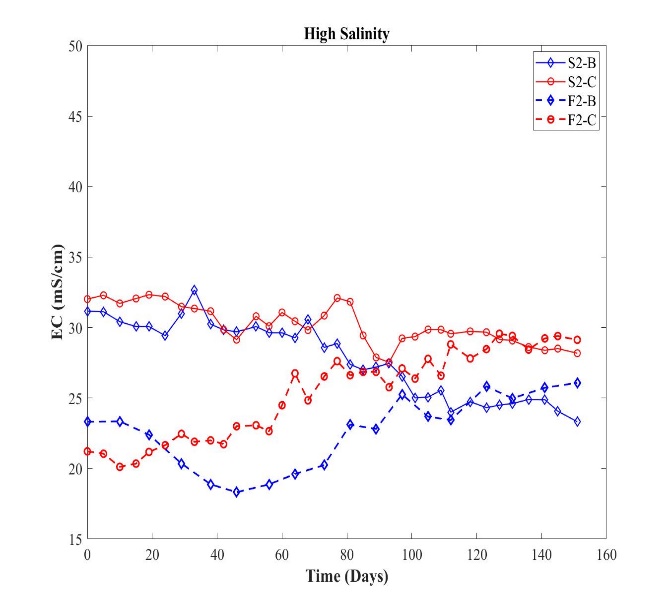
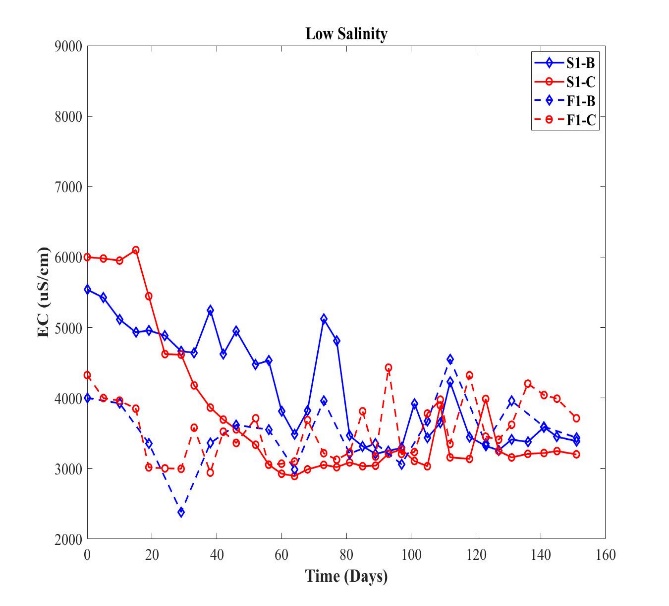


Figure A 1:Electrical Conductivity (EC) concentrations at (top) at depth B and C for the columns S1 and F1(for the case of low salinity columns), (bottom) Electrical Conductivity (EC) concentrations at the depth B and C for the columns S2 and F2 (for the case of h

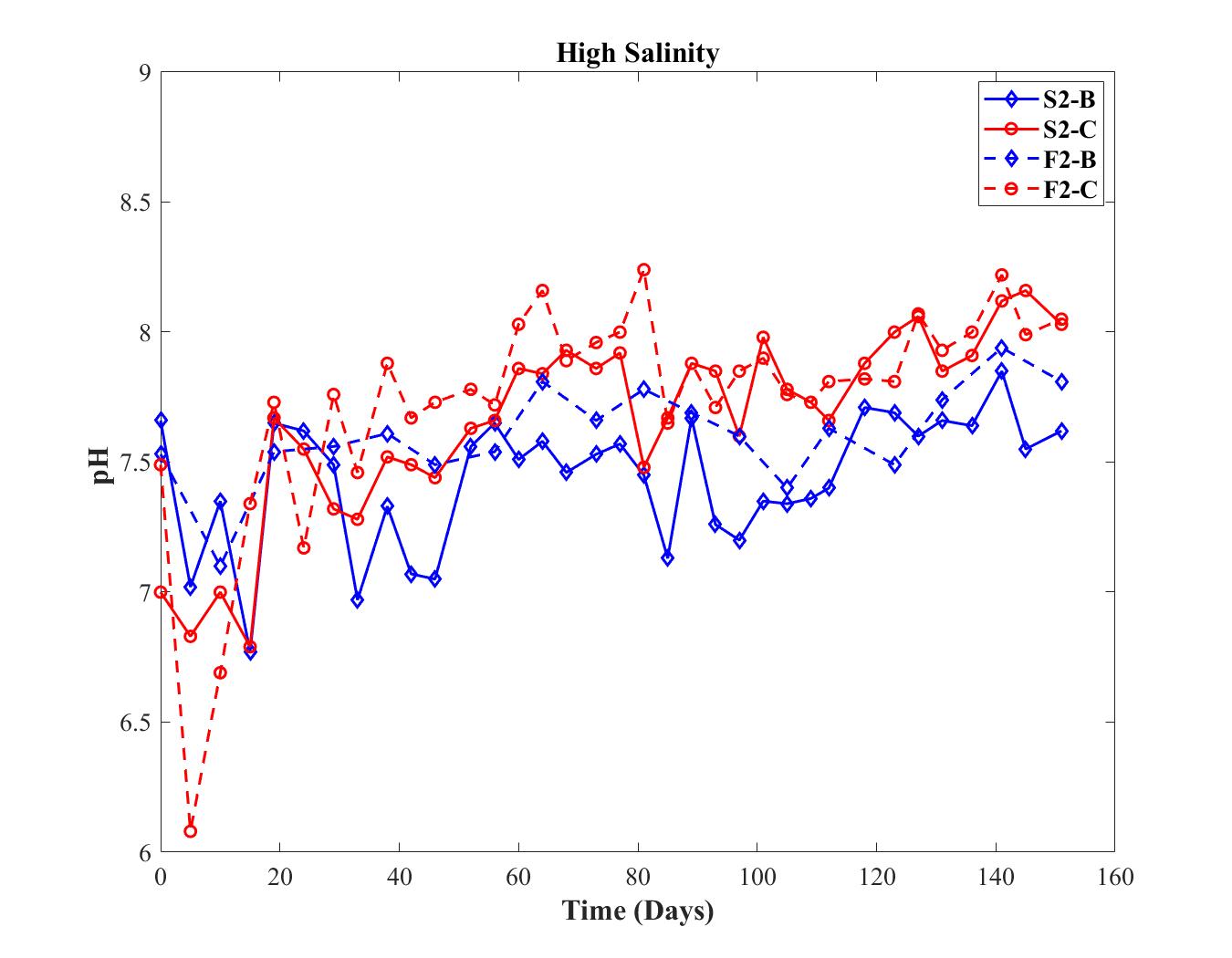
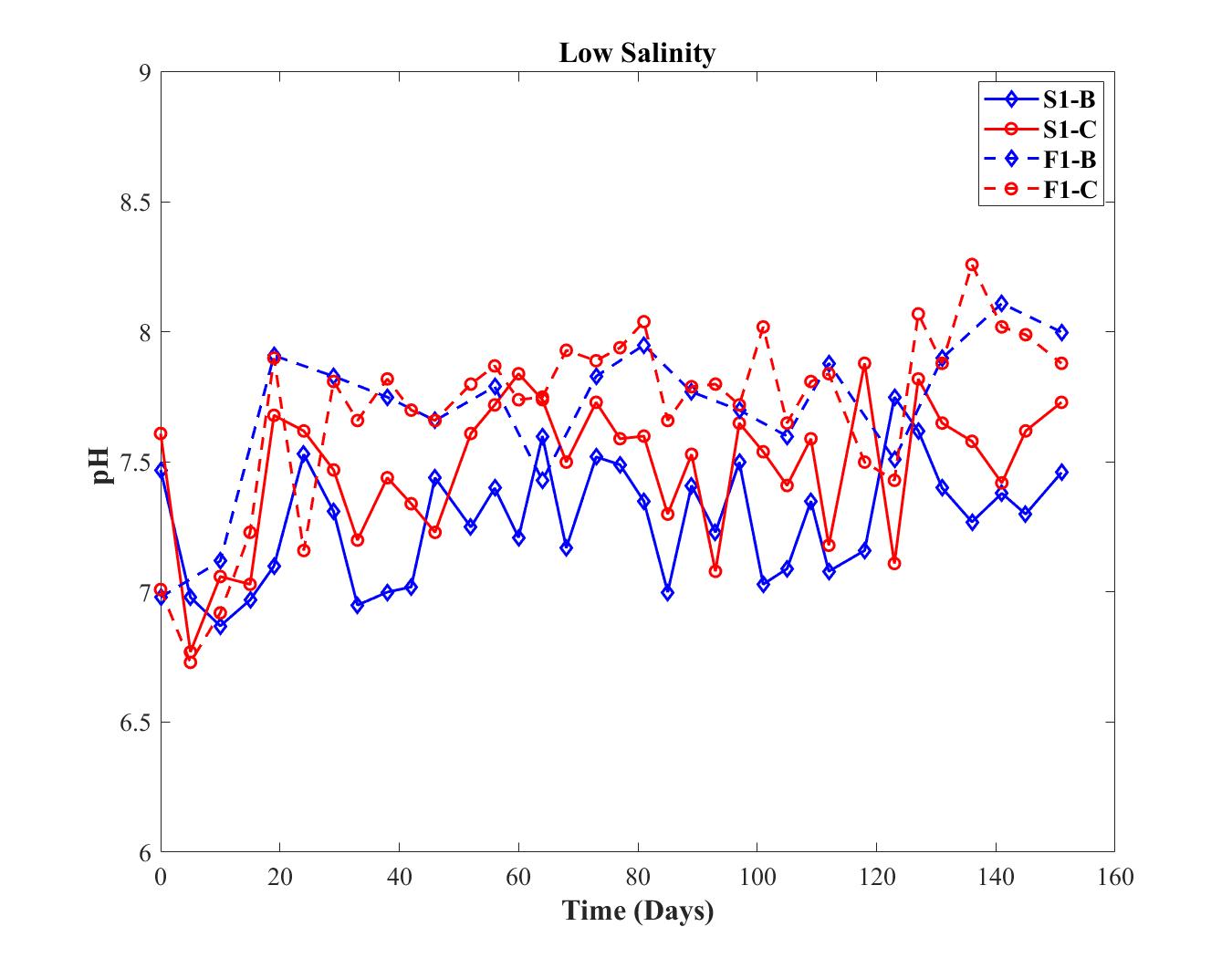


Figure A 2: pH for (top) at depth B and C for the columns S1 and F1(for the case of low salinity columns), (bottom) pH at the depth B and C for the columns S2 and F2 (for the case of high salinity columns)



Figure A 3: Soil after disassembling the columns and prepare the soil for the final GC-MS analysis

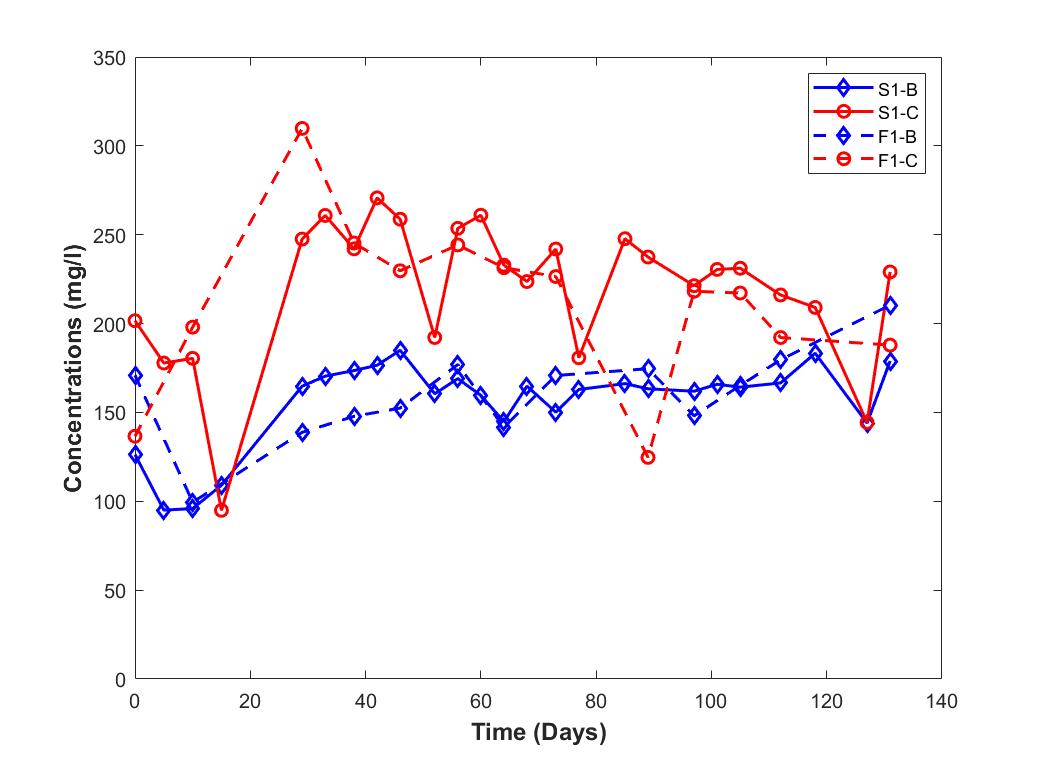


Figure A 4: Calcium (Ca+) concentrations at the middle (Depth B) of all soil columns