

Sediment preparation for organic elemental analysis (C, N, 13C).

Acid-wash sediment to remove carbonates.

1. Subsample ca. 1.25 cc of sediment and put into 15 mL centrifuge tube
2. Add ~10 ml of 0.5% normality HCL, stir and let sit for 30 minutes
3. Centrifuge 5 minutes, decant into waste bucket
4. Add ~10 mL ultrapure water. Stir (vortex), Centrifuge 5 minutes, decant. Repeat 3-4 times
5. Dry at 70° C for 12-24 hours
6. Grind with mortar and pestle until a fine powder.
7. Measure desired amount and fold into tin. Store remainder in a shell vial.

Neutralize waste bucket with baking soda, then run down drain with a lot of water.