

Field Filtration Sampling Instructions TDP, OP, DOC

1. If you are sampling TOC or Total Phos, fill those vials to the neck of the vial to leave approximately 1/2" of headspace. Label the vials, including the test name.
2. Samples for DOC, TDP, and non-potable OP need to be field filtered through a 0.45 um filter within 15 minutes of collection.
3. Set up the syringe without the filter(s). Draw up approximately 20mL of sample. Attach the filters and filter the sample to waste, if possible. If 20mL of sample clogs the filter, attach a glass fiber prefilter and try again.
4. After the filter system has been rinsed, remove the filters from the syringe, draw up 50-60mL of sample and reattach the filters. Filter the sample into the sample vial(s) leaving approximately 1/2" of headspace in the bottle, or to the fill line on the bottle. Clearly label the bottle with the test (Dissolved) so they can be differentiated from the total analysis.
5. Please leave a small amount of air in your vials so they can be homogenized before analysis and the acid matrix is correct! These tests are not volatiles, therefore these vials don't get filled without air space.



References:

Standard Methods 23rd edition, p.4-157,160 (TP, OP), p.5-24 (DOC).

NY ELAP Item #242, Sample Collection: Requirements for non-potable water, p.3 (OP)