



June 12, 2009

Office of Water Quality Water-Quality Information Note 2009.10

Subject: Field Methods—Interim Announcement for Change in Capsule-Filter Type, Supplier, and Instructions for Use

Effective immediately, One-Stop Shopping will begin filling orders for large-capacity capsule filters (Stock number Q398FLD) with the “GWV High-Capacity Groundwater Sampling Capsule” manufactured by Pall Life Sciences, Inc. The new capsule filters will replace those manufactured by Whatman, Inc. and can be purchased from One-Stop Shopping at a cost of \$21.52 per unit. These capsules do not have an air vent or integrated barbed fittings. A barbed-fitting adapter (Stock number Q397FLD) is available and can be purchased separately from One-Stop Shopping at a cost of \$0.89 per adapter.

Equipment Cleaning and Sample Collection

The new capsule filter has passed rigorous quality-assurance testing by NWQL for the suite of inorganic major and trace elements, nutrients, and dissolved organic carbon, **with the following caveat for nutrient samples: before collecting nutrient samples, the filter should be rinsed with 2 liters (L) of deionized (DIW) or inorganic blank water (IBW).** If blank samples are collected for nutrient analysis, at least 1 L of the 2-L rinse should be the IBW obtained from One-Stop Shopping.

Instructions for preparing the capsule filter are given in the National Field Manual, Chapter A3, with the exception of the 2-L DIW rinse that now is needed when collecting nutrients. Likewise, the instructions for cleaning the plastic adapter is the same as the cleaning protocol described in Chapter A3 for equipment used for collection of samples for inorganic analyses.

Additional Information

A Water-Quality Information (WaQI) Note that summarizes the events that lead to this change in filtration equipment and that provides more detailed instructions and guidance for use of the new capsule filter is to be issued shortly.

If you have questions about this or related WaQI Notes, please contact sski@usgs.gov or fwilde@usgs.gov.

Signed,

The Office of Water Quality
06/12/2009.

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