



April 23, 2014

Office of Water Quality Water-Quality Information Note 2014.07

Subject: Inspection and rinse protocol for high-capacity capsule filters

The twofold purpose of this WaQI-Note is to alert field personnel of the need to check the integrity of the capsule-filter housing and to clarify that the high-capacity filters are to be rinsed with 2 liters of deionized water (DIW) or inorganic blank water (IBW) before use.

The Office of Water Quality and National Field Supply Services have received isolated field reports that sections of the plastic housing of high-capacity capsule filters (NFSS stock number Q398) are not completely sealed or have separated. Field personnel should check the integrity of the capsule filter housing by gently tugging near the seam of the base and upper sections of the housing. If the sections are not sealed or if the sections separate, return the filter to NFSS for replacement at no additional cost. NFSS will work with the manufacturer to resolve the issue.

The high-capacity capsule filter (NFSS stock number Q398) must be rinsed by pumping **2 liters** of DIW or IBW through the filter before use. Water Science Center-produced and quality-assured DIW or laboratory-supplied IBW (NFSS stock number Q378FLD) is to be used to rinse the high-capacity capsule filter before the sample is processed.

Please send questions, comments, and recommendations for additions/updates to Stan Skrobialowski, sski@usgs.gov.

WaQI Notes are archived on the Office of Water Quality web site, <http://water.usgs.gov/usgs/owq/WaQI/index.html>

Signed,

The Office of Water Quality 4-23-14

This WaQI note clarifies the rinse volumes referenced in WaQI notes 2009.03 and 2009.10 and in Chapter 2, Chapter 3, and Chapter 5 of the *National Field Manual*.

Distribution: All WMA Employees