

KAFB Public Affairs  
ST-106 and SS-111  
Aquifer Test Sampling



**Cobrain, Dave, NMENV**

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**From:** McDonald, William, NMENV  
**Sent:** Thursday, December 05, 2013 11:04 AM  
**To:** Kieling, John, NMENV; Cobrain, Dave, NMENV; Moats, William, NMENV; Brandwein, Sid, NMENV; Salem, Brian, NMENV  
**Subject:** Observations on VOC sampling at BFF Spill MWs

This is the protocol that I observed 4 Dec 13 while CBI personnel filled our sampling containers; it is the same protocol I have observed at other BFF Spill MWs. First the sampler fills the VOA vial; the vial is capped and rotated/tumbled to collect effervescing bubbles from the side of the VOA; the vial is uncapped and more sample added; the vial is recapped and the bubble-collection process is repeated; the vial uncapped and more sample added: this process may repeat three to four cycles during which the VOA is uncapped for approximately one minute. VOA vials are often set aside to finish effervescing. I will collect our samples for the next two events at the BFF Aquifer Test Well and I will follow standard procedure of 1) filling the vial, 2) check meniscus for higher-than-rim level, add sample if necessary, 3) cap the VOA. A note will be added to the laboratory CoC form noting that the VOC and EDB samples will contain bubbles from effervescence (the CBI method likely leaves bubbles, too).

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