

SAMPLING INSTRUCTIONS
EXTENDED TRIHALOMETHANE SURVEILLANCE OF ARMY DRINKING WATERS

1. RUN WATER THROUGH TAP FOR 10 MINUTES BEFORE TAKING SAMPLE. This allows water flowing in mains to be sampled instead of water standing in local pipes.
2. THEN, SLOW FLOW TO A TRICKLE BEFORE FILLING SAMPLE VIAL. To avoid trapping tiny air bubbles caused by water turbulence.

DO NOT RINSE OUT VIAL!

3. SLOWLY FILL VIAL TO TOP, FORMING WATER BULGE ABOVE RIM. The water bulge aids in sealing the vial. Note instruction #7.
4. SCREW ON CAP WITH WHITE SIDE OF LINER DOWN.
5. TURN VIAL OVER AND TAP CAP GENTLY AGAINST HARD SURFACE OR FIRMLY AGAINST HAND. To shake loose any air bubbles trapped under cap.
6. IF AIR BUBBLES ARE TRAPPED IN VIAL, REMOVE CAP AND AGAIN SLOWLY FORM WATER BULGE ABOVE RIM. Note instruction #7.
7. DO NOT POUR OUT CONTENTS OF BOTTLE TO REFILL, SIMPLY TOP OFF IF AIR BUBBLE IS TRAPPED INSIDE. Vials contain sodium thiosulfate to stop the chlorine reaction. Samples are not valid if vial is emptied or air bubble is trapped inside.
8. WHEN VIAL IS CORRECTLY FILLED, MATCH NUMBER ON VIAL TO NUMBER ON ATTACHED SAMPLE LOG SHEET. Fill in location where sample was collected (building number, name, etc.), date and time collected. The sample collector should sign opposite each sample number he collected.
9. FIVE SAMPLES ARE TO BE COLLECTED FROM EACH DISTRIBUTION SYSTEM ON THE SAME DAY, DURING MID-AFTERNOON. One sample is to be collected at the end point of the distribution system, three at points representing different high consumption areas and one at the distribution system entry point. For those installations purchasing potable water, the entry point sample should be collected as close as possible to the point where the purchased water enters the installation distribution system. The entry point sample, for those installations providing their own treated water, should be collected after the final treatment process (clearwell) prior to entry to the distribution system. In those cases where more than one well supplies each distribution system, the entry point sample should be taken just after chlorination at one of the wells when all wells are supplied by the same aquifer or at one of each set of wells supplied by different aquifers.
10. AN EXTRA VIAL IS INCLUDED IN CASE A VIAL IS BROKEN OR CONTENTS ARE SPILLED.
11. All vials and the inclosed sample log sheet should be returned as soon as possible after collection to this Agency using the mailing address label provided.
12. Any questions concerning sample collection or handling should be referred to Mr. Willy Neal, Chief Chemist, US Army Environmental Hygiene Agency, Regional Division - South (AUTOVCN 588-3234; Commercial 404-752-3234).

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