

SF₆

SAMPLING INSTRUCTIONS

EQUIPMENT NEEDED:



- 1 x 1 ltr brown, glass bottle. These are specific bottles and are supplied by GNS Science.
- 1 x tube with brass fittings (GNS Science can supply this).

REMEMBER:

- Flush bore adequately
- Avoid pressure tanks
- Avoid using oils or grease on sampling equipment and fittings
- No air bubbles in samples
- Ensure that bottles are closed tightly
- **DO NOT** chill the samples for transportation!

INSTRUCTIONS:

- The water sample must have minimum contact with air.
- Sample points should be located before pressure tanks, filtration units or other treatment systems.
- Label bottles using **blue** or **black** permanent marker. Record the site ID and sampling date as a minimum.

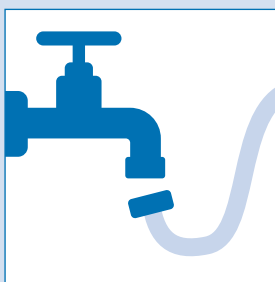
GNS Water Dating Lab.

ID:	_____	SF ₆
Date:	____/____/____	
Client	_____	

- Purge bore until pH, conductivity and temperature are constant. Usually water equivalent to three times the bore volume is pumped away prior to sampling to remove stagnant water from the bore.
- Please follow the directions to the right.
- Return tubing and brass fittings to GNS Science.

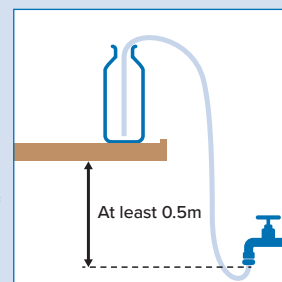
1.

Attach tube to tap/water source.



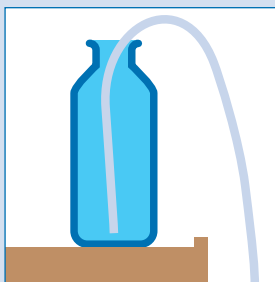
2.

Elevate bottle above tap/water source to avoid sucking in air into the tube and push tubing to the bottom of sample bottle.



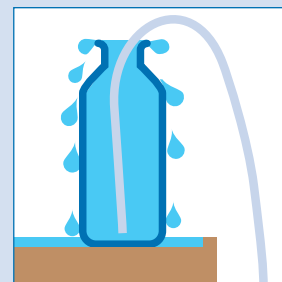
3.

Fill bottle with water and let the water overflow.



4.

Overflow the sample bottle several times.



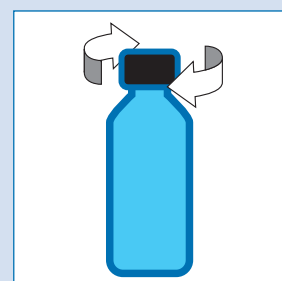
5.

Remove tubing slowly at low flow, ensuring bottle is overflowing at all times. Protect bottle from wind while sampling to maintain meniscus.



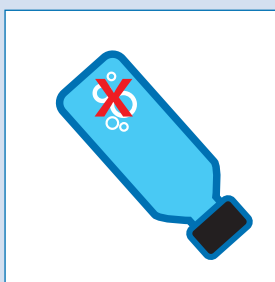
6.

Place the cap on the bottle immediately and tighten.



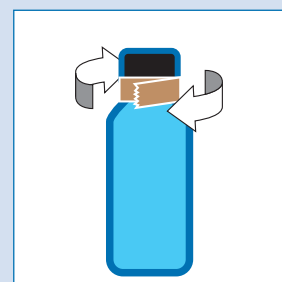
7.

Turn full bottle upside down. If bubbles are present, empty bottle and start again from Step 1.



8.

Cap the bottle and then apply the tape **CLOCKWISE** around the cap.



PLEASE CHECK THAT THE CAPS ARE TIGHT BEFORE SHIPPING.