



7940 Memorial Drive

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VOC Sampling Instructions – EPA 524.2

SAMPLING KIT CONTENTS

1. 3 - 40 ml glass vials pre-preserved with ascorbic acid.
2. 3 – small glass vials with 0.5 ml 1:1 HCl. One vial of acid to be added to each sample vial during sample collection.
3. 2 – 40 ml glass vials filled with pure water and a small amount of HCl (trip blanks). **DO NOT OPEN THESE TRIP BLANK VIALS.** RETURN THE TRIP BLANK VIALS UNOPENED WITH YOUR SAMPLES.

To sample:

DO NOT FLUSH OUT OR RINSE OUT THE SAMPLE BOTTLES

Three (3) 40 ml vials

1. Remove screens, filters, aerators, etc from cold water tap.
2. Let water run for 10 minutes to clear any standing water.
3. Reduce water flow to a stream of about ¼ inch diameter.
4. Carefully uncap the sample vial.
5. Fill with sample water up to ½ inch of the top of the vial. When sampling from an open body of water, fill a large glass container with a representative sample and fill laboratory provided vials from this container.
6. Carefully add the HCl from the small vial to the sample vial. **

CAUTION – HCL IS CORROSIVE. HANDLE WITH CARE. REVIEW MSDS

***Note** If sample foams vigorously following the addition of acid from the small vial, discard sample. Contact laboratory for additional vials. When resampling with new vials, omit HCl addition and indicate on the sample container and AR sheet “not acidified”.*

7. Carefully add sample water until the vial is full, but not overflowing, so that the preservative is not flushed from the vial.
8. Cap the vial until it is snug. Avoid trapping air between the sample and the cap.
9. Shake the vial and turn the vial upside down. Lightly tap the vial.
10. If no air bubbles appear, the sample is ready to go.
11. If an air bubble is present and larger than a pea (1/4”), remove the cap and add a few more drops of sample water, cap, shake and tap vial as before. Repeat until no air bubbles appear.
12. Label each sample bottle.
13. Refrigerate the samples and the trip blanks until you can pack them on ice, for shipping.
14. Fill out AR Sheet / Chain of Custody including:
 - PWS ID and PWS name information
 - Sample Tap, location, address, date, time and type of sample source
 - Sign and date, indicate sample collection person