



Alloway
Your Resource for Defensible Data

Sampling Instructions: Nitrite, Nitrate, Chlorite & Cyanide

CAUTION: Bottles contain preservatives. Handle with care. Do not rinse or overflow containers. Wear gloves when handling bottles and when collecting samples. **If the preservative accidentally comes in contact with your skin, eyes, or clothing, rinse IMMEDIATELY and THOROUGHLY.** Alloway assumes no responsibility for sampling procedures or for accidents that may occur while sampling.

Nitrite

1. Collect sample from the cold water tap. Flush water for approximately 5 minutes before filling the sample bottle.
2. Fill one 4-oz. bottle (no preservatives) for each sample site.
3. Immediately cap the bottle tightly.
4. Fill out the paperwork with the date and time collected, sample location, analysis requested (NO_2), and the address where the report should be sent.
5. Return the sample, packed on ice, to the laboratory as soon as possible. There is a 48-hour holding time for this parameter.

Nitrate

Caution: The sample bottle contains sulfuric acid as a preservative.

1. Collect water from the cold water tap.
2. Before filling the bottle, flush any water from the tap until water runs cold.
3. Fill a 4-oz. container at each sample site. DO NOT overflow the sample.
4. Fill out the paperwork with the date and time collected, sample location, analysis requested (NO_3), and the address where the report should be sent.
5. Return the sample, packed on ice, to the laboratory as soon as possible. There is a 28 day holding time for this parameter.

Chlorite

Caution: The enclosed sample containers have a chemical preservative, ethylenediamine (EDA), to stabilize the chlorite content in the sample. DO NOT empty or rinse the container before taking the sample.

1. Fill the container so that there is no head space, but DO NOT overflow the container.
2. Fill out the paperwork with the date and time collected, sample location, analysis requested (ClO_2), and the address where the report should be sent.
3. Return the sample, packed on ice, to the laboratory as soon as possible. There is a 14 day holding time for this parameter.

Cyanide

Caution: The sample bottle contains ascorbic acid as a preservative, and the plastic bag on the side of the sample container contains sodium hydroxide. DO NOT empty or rinse the container before taking the sample.

1. Fill the sample container to the neck of the bottle with the water to be tested leaving about a 1 inch gap of air from top lip of bottle to the water surface.
2. Place the cap on the bottle and tighten.
3. Shake the bottle rapidly for 1 minute or until the ascorbic acid in the sample bottle is completely dissolved.
4. Remove the cap from the bottle for cyanide determination.
5. Remove the plastic bag from the side of the sample container (CAUTION CAUSTIC: Contains Sodium Hydroxide – Burns skin).
6. Carefully transfer the entire contents of the bag to the sample container without touching the sodium hydroxide with your hands or skin.
7. Place the cap on the bottle and tighten.
8. Shake the bottle until the Sodium Hydroxide pellets dissolve.
9. Fill out the paperwork with the date and time collected, sample location, analysis requested (CN), and the address where the report should be sent.
10. Samples must be iced to $\leq 10^\circ\text{C}$. Return the sample to the laboratory as soon as possible. There is a 14 day holding time for this parameter.

Note: Failure to follow these instructions may necessitate re-sampling.

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