

Dissolved & Total Metals Sampling Instructions

This procedure must be followed as described below.

Aqueous samples for dissolved metals analysis may be filtered in the field or in the laboratory. Please review the following guidelines to ensure that proper sampling procedures are followed and the correct information is communicated to the laboratory.

Field Filtering:

- Indicate that you will be **Field Filtering** samples for dissolved metals analysis when ordering the sample containers.
- Pollen Environmental will provide a 250ml Nitric Acid (HNO₃) preserved plastic bottle for each Dissolved Metals sample.
- The sample must be transferred to the HNO₃ preserved bottle **AFTER** field filtering and labeled as **DISSOLVED**.
- The chain of custody (COC) must indicate that the metals samples were field filtered in the comment section. The Requested Analysis section should indicate that Dissolved Metals are needed.

Lab Filtering:

- Indicate that you will require **Lab Filtering** for dissolved metals when ordering sample containers.
- Pollen Environmental will provide a 250ml **Unpreserved** plastic bottle for each Dissolved Metals sample.
- Fill out the label on the unpreserved metals bottle as **DISSOLVED, LAB TO FILTER**
- The Comment Section of the COC must indicate that the metals samples must be LAB filtered.
- The Requested Analysis section should indicate that Dissolved Metals are needed.

Total Metals:

If total metals are required, they are collected without filtration and placed in a 250ml HNO₃ preserved plastic bottle. All metals will be considered total unless the bottle order and chain of custody indicate that they are dissolved. Total metals can be collected in unpreserved bottles as well, but must be preserved by the laboratory within 14 days of collection.