



6800 Campobello Road, Mississauga, Ontario
Phone: 905-826-TEST (8378) toll free: 844-700-EBPI (3274)
www.ebpilabs.com

EBPI Analytics Sampling Protocols

This document offers guidelines to ensure proper sampling procedures are followed maximizing the probability of analytical success. When gathering any samples, it is crucial that samples be collected in a consistent manner, using correct equipment, so the analytical results or field measurements will reflect the environmental conditions at the time of sampling.

Sampling errors will be inadvertently generated, and may be minute in nature individually. However, several small errors can combine into one significant error for a sample collected. This can lead to poor results and loss of money, but more importantly, it can lead to erroneous results and misleading conclusions. It is our goal at EBPI Analytics to provide the best possible data for our clients at a minimum cost. Therefore, proper sampling is a crucial first step in the analysis process.

Sampling Protocols

- Use only sampling containers of appropriate volume that can make a good tight seal. If you do not have proper sampling containers, contact EBPI Analytics to order them. Due to the use of bacteria in many of the tests at EBPI Analytics, sterilized containers must be used.
- All sampling equipment must be cleaned properly beforehand and sterilized where possible to minimize any bacterial cross-contamination before the assays are run.
- The sample temperature should be collected immediately from a separate control sample. Do not use this sample as part of the sample submitted
- If possible, measure pH on the control sample to capture any changes during transportation to the laboratory.
- Remember to seal the collection vessel with tape to eliminate tampering. EBPI Analytics will look for an intact seal before any analysis will be performed. This provides more reliable results but also ensure that clients are not paying for analyses on tampered samples.



6800 Campobello Road, Mississauga, Ontario
Phone: 905-826-TEST (8378) toll free: 844-700-EBPI (3274)
www.ebpilabs.com

- Each assay at EBPI Analytics has a specific hold time that ensures the results generated are accurate. If this maximum time frame (i.e. hours or days) has passed, the data generated through sample analysis should not be used since its accuracy cannot be confirmed.
- It is essential that samples be shipped to the laboratory as soon as possible to avoid any lengthy time delays before laboratory analysis. It may be necessary to ship the sample on the same day as collection. EBPI Analytics maintains that it is the responsibility of the sampler to submit sample in a timely manner to ensure the quality of the results.
- When shipping samples, aim to maintain the shipment temperature between 10°C and 4°C, Temperature control for shipping during warmer months can be through ice packs placed in the coolers. During winter months care (i.e. heat packs) should be taken to prevent freezing of the samples.
- Ensure that the COC form is filled out properly and that all the applicable boxes have been checked. Provide as much information as possible in the comments boxes to aid the technician at EBPI Analytics process your sample as quickly as possible. The more questions that require attention before the sample can be processed will lead to an increased turnaround time and could produce unexpected costs. IF you require any further clarification on filling out the COC, please refer to our guide for filling out your COC
- A good document to answer any further sampling inquiries is the Protocols Manual for Water Quality Sampling in Canada document produced by the Canadian Council of Ministers of the Environment. For your convenience, we have provided a link on our website.

The quality of your results is our foremost priority. Follow these easy steps and ensure that your sample is taken properly and submitted correctly. We'll do the rest to provide reliable data that you can feel confident about. If you have any other questions regarding sampling procedures, please contact us [here](#) and we'll be happy to assist you.