



LOW-LEVEL MERCURY (LLHg)
SAMPLE KIT INFORMATION

Each LLHg kit provided with this container shipment consists of the following:

- 1) Two (2) 40 ml vials containing 0.5ml of concentrated hydrochloric acid (HCL) in reagent water, double bagged in two (2) Ziploc® type storage bags.
- 2) Sample labels.
- 3) Shipping-bubble bag.

Sample Collection:

- 1) In an effort to maintain the purity of each lot of prepared sample vials, the acidified reagent water is to be removed just prior to sample collection.
- 2) Following the “dirty hands and “clean hands” procedures from USEPA Method 1669, the sample containers are removed from the storage bags.
- 3) Open each sample vial and empty the acidified reagent storage water into the waste container provided or approved waste stream.
- 4) The sample container and cap should then be rinsed three times with the sample to be collected.
- 5) The sample containers should then be completely filled with sample so that when the septum cap is fitted and sealed, and the vial inverted, little or no headspace is visible.
- 6) Insert vials into the inner storage bag and seal the bag followed by outer bag.
- 7) Complete sample collection information on the label on the outer bag.
- 8) Samples for total or dissolved mercury do not require refrigeration during sample shipment.
- 9) Samples for dissolved mercury must arrive at the laboratory within 48 hours of collection.

Please note:

- 1) If requested, a waste container has been provided for collection of the acidified reagent water and should be returned to the laboratory for disposal.
- 2) Specific sample collection procedures are presented in USEPA Methods; 1669 “*Sampling Ambient Water for Trace Metals at EPA Water Quality Criteria Levels July 1996*” and USEPA Method 1631E “*Mercury in Water by Oxidation Purge and Trap, and Cold Vapor Atomic Fluorescence Spectrometry*.”

CAUTION: The sample bottle storage water is acidic. Handle with care.

Please call 1-616-975-4500 and speak to your project chemist with any questions.