

SECTION 8.13

SAMPLING EQUIPMENT PREPARATION FOR CHEMICAL SAMPLING

1.0 Purpose

To prepare clean and contaminant free sampling equipment for use during field chemical sample collection projects.

2.0 Responsibilities

- The site coordinator is responsible for assuring that this procedure is implemented.
- Survey team personnel are responsible for following this procedure.

3.0 Procedure

3.1 Equipment

- ✓ Cleaning solution: Non-phosphate laboratory grade detergent.
- ✓ Brushes.
- ✓ Tap water.
- ✓ Deionized water.
- ✓ Solvent (isopropanol or other specified solvent).
- ✓ Aluminum foil, teflon coated contact sheets, visqueen sheets.

3.2 Equipment Cleaning

NOTE: This is the general procedure to follow. Analytical requirements for certain environmental contaminants require a modification of this procedure. These special requirements will be addressed in the site-specific survey plan.

3.2.1 Thoroughly scrub equipment with detergent and tap water.

3.2.2 Rinse thoroughly with tap water.

3.2.3 Rinse thoroughly with deionized water.

- 3.2.4 Rinse equipment twice with solvent. Collect solvent for appropriate reuse or disposal.
- 3.2.5 Place equipment on sheets of aluminum foil, teflon coated adhesive sheets, or visqueen sheets for larger equipment and allow to air dry for 24 hours in a clean, uncontaminated area.
- 3.2.6 Wrap equipment in aluminum foil (or visqueen for large equipment) and store or transport to the field.