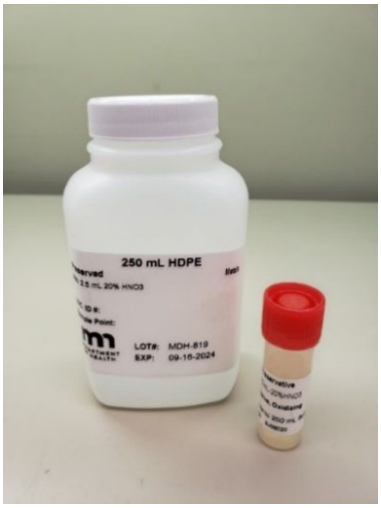
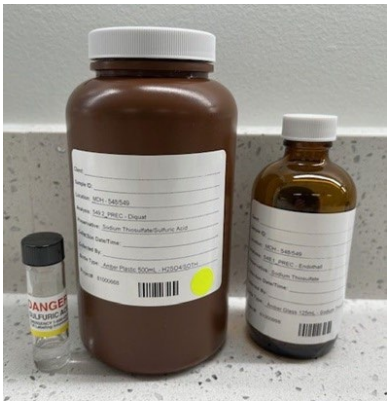
Sample Bottles: Visuals

Specific bottles may vary depending on source laboratory. Images here represent bottles in typical use by MDH staff.

Arsenic



Diquat and Endothall



Left: 1 Diquat 500 mL Amber Plastic Bottle and Sulfuric Acid Preservative

Right: 1 Endothall 125 mL Amber Glass Bottle with 10mg of Sodium Thiosulfate ($Na_2S_2O_3$)

Disinfection Byproducts (TTHMs & HAA5)

Left: 1 Haloacetic Acid 250 mL Amber Bottle

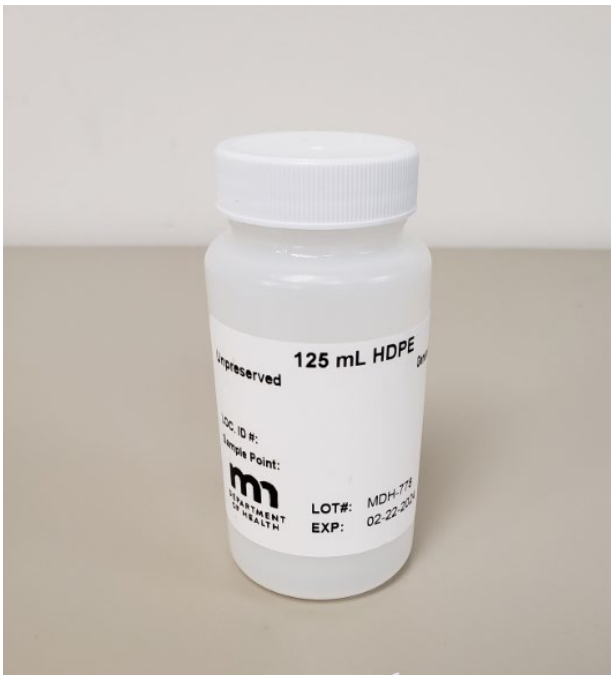
Right: 3 Trihalomethane 40 mL Amber Vials

Ethylene Dibromide (EDB)

Left: Three 40 mL vials with 3 mg Sodium Thiosulfate (Na2S2O3)

Right: Two 40 mL Trip Blank vials pre-filled with EDB-free water and 3 mg Sodium Thiosulfate (Na2S2O3)

Fluoride



IOC Chlorinating Systems

Left: 500 mL Bottle with 1.0 mL of 50 mg/mL Sodium Arsenite ($NaAsO_2$) and Sodium Hydroxide (NaOH) Preservative

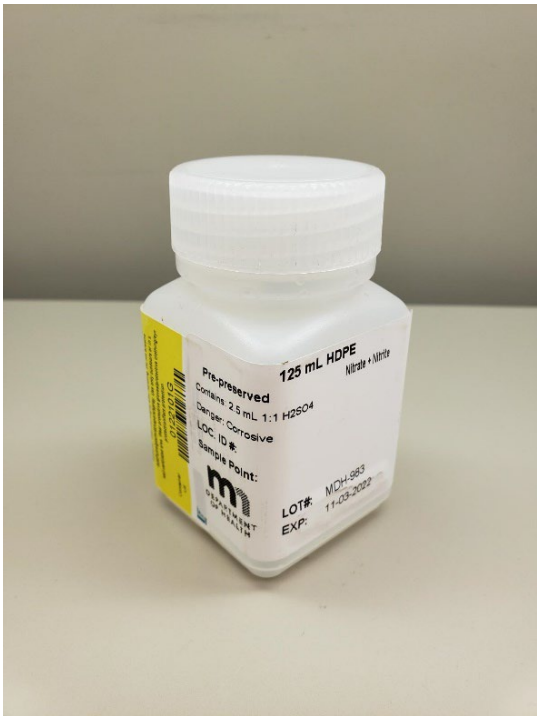
Right: IOC Metals and Mercury 250 mL Bottle and Nitric Acid (HNO_3) Preservative

IOC Non-Chlorinating Systems

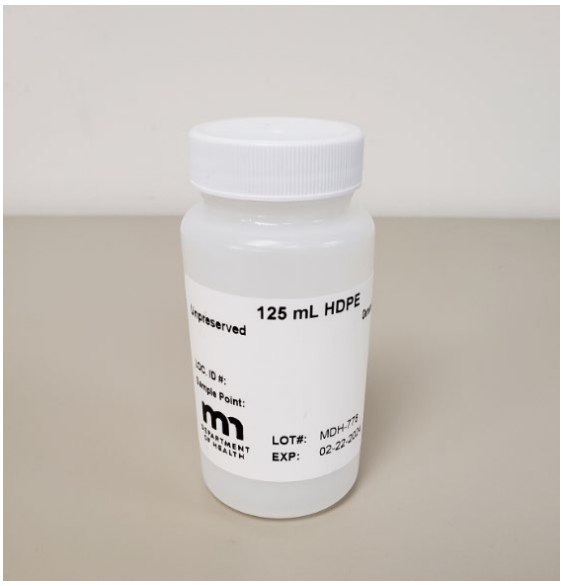
Left: 500 mL Bottle and Sodium Hydroxide (NaOH) Preservative

Right: IOC Metals and Mercury 250 mL Bottle and Nitric Acid (HNO_3) Preservative

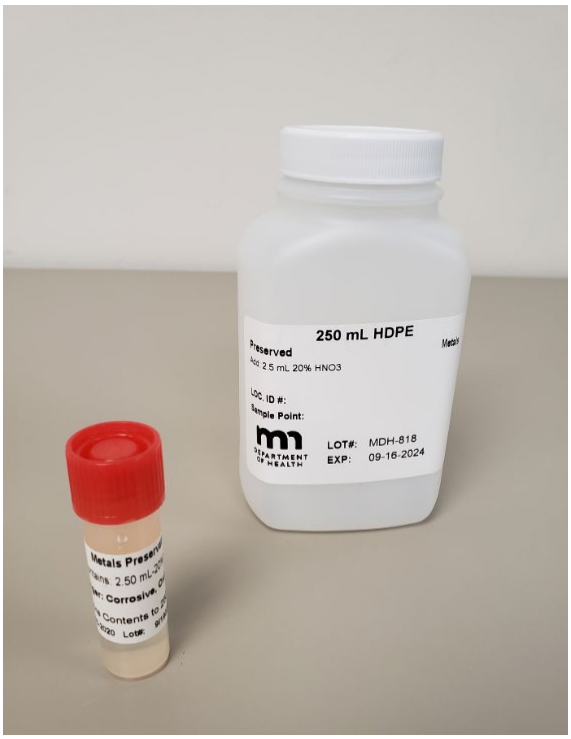
Nitrate



Nitrite



Sodium



PFAS Sample Bottles

Left Rubber Banded Bottles: **Field Blank** – transfer 250 mL **reagent water** bottle to an empty 250 mL **HDPE PFAS Bottle**

Middle to Right Bottles: 3 - 250 mL **HDPE PFAS Bottles:** Two sample bottles and a third sample bottle used for quality control

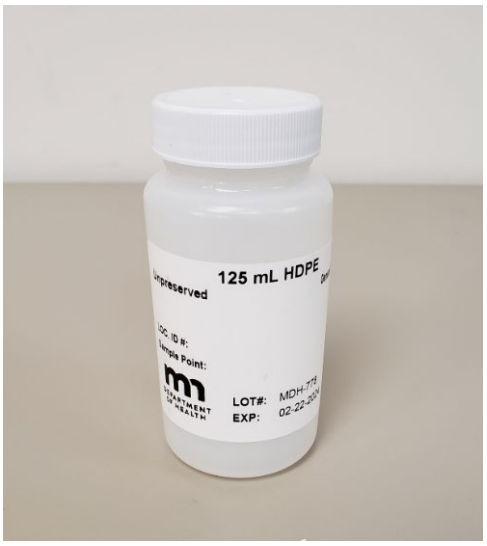
Source and Water Quality Parameters (WQP)

Left: 1 L General Chemistry Bottle

Middle: 250 mL Metals bottle with Nitric Acid (HNO3) preservative

Right: 250 mL Nutrient bottle with Sulfuric Acid (H2SO4) preservative

Sulfate



Synthetic Organic Chemicals (SOC)

Left to right: **Herbicides** 250 mL amber glass bottle | Quantity of 2 **BNA 525.2** – 1 L amber glass bottles with quantity of 2 Hydrochloric Acid (HCl) Preservatives | Quantity of 3 **BNA 505** – 40 mL clear glass vials containing 6mg Sodium Thiosulfate | **Carbamate** 40 mL amber glass vial | **Glyphosate** 40 mL amber glass vial

Total Coliform (TC) IDEXX

Tritium

Left: 500mL HDPE unlabeled bottle, for sample analysis

Middle: 500mL HDPE unlabeled bottle, for duplicate analysis or in case of issues at the lab

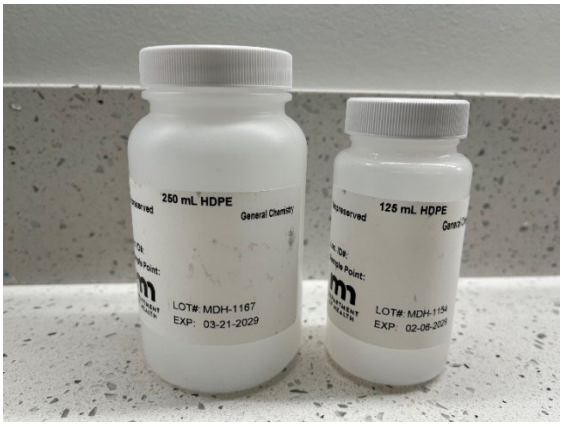
Right: 125 HDPE unlabeled bottle, used to measure pH and SPC before sending for analysis

Volatile Organic Chemicals (VOC)

Left: Three 40 mL Amber Vials

Right: Trip Blanks: Two 40 mL Vials with VOC-free Water

Water Quality Parameters (WQPs) – Phosphate Inhibitor



Left: 250 mL bottle for phosphate

Right: 125 mL bottle for alkalinity or silica