Parameter	Preservative	Sample Holding Time	Suggested Sample Size	Type of Container	Sampling Instructions
Alkalinity	Cool 6°C	14 days	125 mL	Plastic 	**Alkalinity Sampling Instructions** **14 Day Holding Time** **Overnight Delivery** **Shipped Cold <6°C** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** Fill the sample bottle with the water to be analyzed to within ½ inch of the top. Ensure the cap is tightened to prevent leakage during shipment to the laboratory. **Sample must be shipped overnight on ice for next day delivery.** **RECORD BOTTLE NUMBER ON FORM**
Anion Package: Fluoride	None	28 days	100 mL	Plastic 	**Anions Sampling Instructions** **Nitrate, Nitrite & Ortho-Phosphate** **48 Hour Holding Time** **Chloride, Fluoride & Sulfate** **28 Day Holding Tim** **Nitrate, Nitrite, Ortho-Phosphate & Sulfate** **Shipped Cold <6°C** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** Fill the sample bottle with the water to be analyzed to within ½ inch of the top. Ensure the cap is tightened to prevent leakage during shipment to the laboratory. **For Nitrate, Nitrite, Ortho-Phosphate and Sulfate, Sample must be shipped overnight on ice for next day delivery.** **RECORD BOTTLE NUMBER ON FORM**
Anion Package: Nitrate (Non Chlorinated), Nitrite, Ortho-Phosphate	Cool 6°C	48 hours			
Anion Package: Nitrate (Chlorinated)	Cool 6°C	14 days			
Anion Package: Sulfate	Cool 6°C	28 days			
Anion Package: Chloride	None	28 days			
Chlorite Bromide: Chlorite	Cool 6°C (50mg/L) EDA	14 days	100 mL	Plastic 	**Chlorite & Bromide Sampling Instructions** **14 Day Holding Tim** **Overnight Delivery** **Shipped Cold <6°C** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** **Do not rinse the sample bottle prior to sampling; it contains a chemical preservative. Caution: Ethylenediamine is hazardous.** Fill the sample bottle with the water to be analyzed to within ½ inch of the top. Be sure the cap is tightened to prevent leakage during shipment to the laboratory. **RECORD BOTTLE NUMBER ON FORM**
Chlorite Bromide: Bromide	None	28 days			
Combined Nitrate + Nitrite	(0.3 ml) H_2SO_4 pH<2	28 days	100 mL	Plastic 	**Nitrate + Nitrite Combined Sampling Instructions** **28 Day Holding Time** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** **Do not rinse the sample bottle prior to sampling; it contains a chemical preservative. Caution: Sulfuric Acid (H_2SO_4) is corrosive.** Fill the sample bottle with the water to be analyzed to within ½ inch of the top. Be sure the cap is tightened to prevent leakage during shipment to the laboratory. **RECORD BOTTLE NUMBER ON FORM**
Conductivity Turbidity: Conductivity	Cool 6°C	28 days	1 Liter	Plastic 	**Conductivity and Turbidity Sampling Instructions** **48 hour Holding Time** **Overnight Delivery** **Shipped Cold <6°C** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** Fill the sample bottle with the water to be analyzed to within ½ inch of the top. Ensure the cap is tightened to prevent leakage during shipment to the laboratory. **Sample must be shipped overnight on ice for next day delivery.** **RECORD BOTTLE NUMBER ON FORM**
Conductivity Turbidity: Turbidity	Cool 6°C	48 hours			
Cyanide, Free	Cool 6°C, (0.050 g) Sodium Thiosulfate NaOH pH>12	14 days	500 mL	Plastic 	**Cyanide, Free Sampling Instructions** **14 Day Holding Time** **Overnight Delivery** **Shipped Cold <6°C** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling. Also, avoid rubber hose attachments.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** **Do not rinse the sample bottle prior to sampling; it contains a chemical preservative. Fill the sample bottle within 1 inch of the top.** **Caution: Sodium Hydroxide (NaOH) is corrosive. Carefully transfer the contents of the sodium hydroxide vial to the sample bottle.** Be sure the cap is tightened to prevent leakage during shipment to the laboratory. Invert the bottle several times to through mix the chemical preservatives. **RECORD BOTTLE NUMBER ON FORM**
Fluoride	None	28 days	100 mL	Plastic 	**Fluoride Sampling Instructions** **28 Day Holding Time** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** Fill the sample bottle with the water to be analyzed to within ½ inch of the top. Be sure the cap is tightened to prevent leakage during shipment to the laboratory. **RECORD BOTTLE NUMBER ON FORM**

Parameter		Preservative	Sample Holding Time	Suggested Sample Size	Type of Container	Sampling Instructions
(SUVA) Specific Ultraviolet Absorption		Cool 6°C	48 hours	250 mL	Glass 	**Specific Ultraviolet Absorption (SUVA) Sampling Instructions** **48 Hr Holding Time** **Overnight Delivery** **Shipped Cold <6°C** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling. Also, avoid rubber hose attachments.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** Fill the sample bottle completely full (**zero headspace**) without overflowing and flushing out the preservative. Be sure the cap is tightened to prevent leakage during shipment to the laboratory. **RECORD BOTTLE NUMBER ON FORM**
(TOC) Total Organic Carbon		Cool 6°C (0.3 ml) H_3PO_4 pH<2	28 days	250 mL	Glass 	**Total Organic Carbon (TOC) Sampling Instructions** **28 Day Holding Time** **Overnight Delivery** **Shipped Cold <6°C** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling. Also, avoid rubber hose attachments.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** **Do not rinse the sample bottle prior to sampling; it contains a chemical preservative. Caution: Phosphoric Acid (H_3PO_4) is corrosive.** Fill the sample bottle completely full (**zero headspace**) without overflowing and flushing out the preservative. Be sure the cap is tightened to prevent leakage during shipment to the laboratory. **RECORD BOTTLE NUMBER ON FORM**
Wet Chemistry Package	Alkalinity	Cool 6°C	14 days	1 Liter	Plastic 	**Alkalinity, Calcium Hardness, pH Total Dissolved Solids, & Total Hardness Sampling Instructions** **7 Day Holding Time** **Overnight Delivery** **Shipped Cold <6°C** Use the cold-water faucet. **Remove any faucet attachments and the aerator prior to sampling.** **Allow the water to run for 3 to 5 minutes prior to taking the sample to flush the water lines. Decrease the water flow to the diameter of a pencil to reduce splashing.** Fill the sample bottle with the water to be analyzed to within ½ inch of the top. Ensure the cap is tightened to prevent leakage during shipment to the laboratory. **Sample must be shipped overnight on ice for next day delivery.** **RECORD BOTTLE NUMBER ON FORM**
	Calcium	See SOP	See SOP			
	Calcium Hardness	See SOP	See SOP			
	pH	Cool 6°C	Immediately			
	Total Dissolved Solids (TDS)	Cool 6°C	7 days			
	Total Hardness	See SOP	See SOP			