

WASTEWATER				
Container	Test	Hold Time	Preservative	Methods
500 mL CYL	ALKALINITY	14 Days	4°C	SM
500 mL CYL	BOD / CBOD / SBOD	48 Hours	4°C	SM
500 mL CYL	CHLORIDE / FLUORIDE / SULFATE	28 Days	4°C	SM
500 mL CYL	HEX & TRIVALENT CHROMIUM	24 Hours	4°C	SM
500 mL CYL	NITRATE, NITRITE OR COMBINED	48 Hours	4°C	SM
250 mL CYL	pH	ASAP	4°C	SM
500 mL CYL	PHOSPHORUS - ORTHO	48 Hours	4°C	SM
500 mL CYL	SPECIFIC CONDUCTANCE	28 Days	4°C	EPA
250 mL CYL	TDS - TOTAL DISSOLVED SOLIDS	7 Days	4°C	EPA
500 mL CYL	TSS - TOTAL SUSPENDED SOLIDS	7 Days	4°C	SM
500 mL CYL	(1) TOTAL INORGANIC NITROGEN (TIN)*		4°C	CALC
125 mL Amber	TOTAL RESIDUAL CHLORINE	ASAP	4°C	SM
500 mL CYL	(2) METALS - TOTAL, TR, PD	180 Days	HNO ₃	EPA
500 mL CYL	(2) METALS - DISSOLVED	180 Days	HNO ₃ - Filter prior to acidifying	EPA
500 mL CYL	AMMONIA NITROGEN	28 Days	4°C, H ₂ SO ₄	SM
500 mL CYL	COD	28 Days	4°C, H ₂ SO ₄	SM
1 L Glass	OIL & GREASE	28 Days	4°C, H ₂ SO ₄	EPA
1 L Glass	PHENOLS	28 Days	4°C, H ₂ SO ₄	EPA
500 mL CYL	(1) TOTAL INORGANIC NITROGEN (TIN)*			CALC
500 mL CYL	TOTAL KJELDAHL NITROGEN (TKN)	28 Days	4°C, H ₂ SO ₄	EPA
125 mL Amber Glass	TOC	28 Days	4°C, H ₂ SO ₄	EPA
500 mL CYL	TOTAL PHOSPHORUS	28 Days	4°C, H ₂ SO ₄	EPA
500 mL CYL	CYANIDE - TOTAL/ WAD/ FREE	14 Days	NaOH	SM/ASTM
500 mL CYL	SULFIDE	7 Days	Zn(O ₂ CCH ₃) ₂ + NaOH	SM
100 mL Sterile	COLIFORM - FECAL / TOTAL / E-COLI	6 Hours	4°C, Na ₂ S ₂ O ₄	SM
100 mL Sterile	HPC	30 Hours	4°C, Na ₂ S ₂ O ₄	SM

PRESERVATIVE - COLOR CODE

- NONE
- HNO₃ - NITRIC ACID
- H₂SO₄ - SULFURIC ACID
- NaOH - SODIUM HYDROXIDE
- Zn(O₂CCH₃)₂ with NaOH

DRINKING WATER INORGANICS				
Container	Test	Hold Time	Preservative	Methods
1 L CYL	COPPER / LEAD (COMPLIANCE)	14 Days - (HNO ₃ Added in Lab)		EPA
500 mL CYL	DOMESTIC WATER QUALITY	-	4°C	
500 mL CYL	FLUORIDE	28 Days	4°C	EPA
500 mL CYL	LANGELIER INDEX	-		SM
500 mL CYL	NITRATE, NITRITE OR COMBINED	48 Hours	4°C	EPA
125 Amber	UV 254 ABS or TRANS	48 Hours	4°C	SM
500 mL CYL	INORGANICS GROUP / METALS	180 Days	HNO ₃	EPA
2-40 mL Vials	(2) DOC	28 Days	4°C, Na ₂ S ₂ O ₄	
2-40 mL Vials	(2) TOC	28 Days	4°C, H ₂ SO ₄ - Filter prior to acidifying	SM
			4°C, H ₂ SO ₄	SM

Footnotes: 1 - (1) 500 ml unpreserved container and (1) 500 ml H₂SO₄ preserved container required for Total Inorganic Nitrogen (T.I.N.)
 2 - Samples for Dissolved Metals and DOC (Dissolved Organic Carbon) must be filtered prior to acidification

DRINKING WATER ORGANICS				
Container	Test	Hold Time	Preservative	Methods
DISINFECTION BY-PRODUCTS				
3-40 mL Vials	TOTAL TRIHALOMETHANES (TTHMs)	14 Days	4°C, ascorbic acid, add HCl	524.2
1-125 mL Amber	HALOACETIC ACIDS (HAAs)	14 Days	4°C, NH ₄ Cl	552.2
VOLATILE ORGANICS GROUP				
3-40 mL Vials	VOLATILE ORGANICS (VOCs)	14 Days	4°C, ascorbic acid, add HCl	524.2
SYNTHETIC ORGANICS GROUP				
3-40 mL Vials	EDB / DBCP	14 Days	4°C, Na ₂ S ₂ O ₃	504.1
3-40 mL Vials	PESTICIDES / PCBs	7 Days	4°C, Na ₂ S ₂ O ₃	505
1-250 mL amber	HERBICIDES	14 Days	4°C, Na ₂ SO ₃	515.4
2-1 L Amber	SVOC'S	14 Days	4°C, Na ₂ SO ₃ , add HCl	525.2
2-40 mL Vials	CARBAMATES	28 Days	4°C, Na ₂ S ₂ O ₃ + MCAA	531.1
2-40 mL Vials	GLYPHOSATE	14 Days	4°C, Na ₂ S ₂ O ₃	547
1-250 mL Amber	ENDOTHALL	7 Days	4°C, Na ₂ S ₂ O ₃	548.1
1-500 mL Amber Plastic	DIQUAT	7 Days	4°C, Na ₂ S ₂ O ₃ , add H ₂ SO ₄	549.2