PARAMATERS	ANALYTICAL METHOD	HOLDING TIME	PRESERVATIVE	Min.Volume (ml)	CONTAINER TYPE
INORGANIC ANALYSES					
ALKALINITY	SM 2320 B	14 Days	Cool 4°C	200	Plastic or Glass
BROMIDE	EPA 300.1	28 Days	None Required	100	Plastic or Glass
BROMATE	EPA 300.1	28 Days	(1) 1 ml EDA	500	Plastic or Glass
CHLORATE	EPA 300.1	28 Days	(1) 1 ml EDA	500	Plastic or Glass
CHLORIDE	EPA 300.0	28 Days	None Required	500	Plastic or Glass
CHLORITE	EPA 300.1	14 Days	(1) 1 ml EDA, Cool to 4°C	500	Plastic or Glass
CHLORINE, TOTAL AND FREE RESIDUAL	SM 4500-Cl_2 G	Analyze Immediately	None Required	100	Plastic or Glass
COLOR	SM 2120 B	48 Hours	Cool 4°C	500	Plastic or Glass
CYANIDE, TOTAL	SM 4500-CN	14 Days	pH>12 (2 ml NaOH) Cool 4°C, Ascorbic Acid for Residual Chlorine	1000	1L Plastic
FLUORIDE	EPA 300.0	28 Days	None Required	500	Plastic or Glass
HARDNESS	SM 2340 B	6 Mon	pH<2 (1 ml 1+1 HNO_3)	500	Plastic or Glass
HYDROGEN ION (pH)	SM 4500-H B	Analyze Immediately	None Required	100	Plastic or Glass
MERCURY	EPA 245.1	28 Days	pH<2 (2 ml 1+1 HNO_3)	500	Plastic or Glass
METALS (Except Mercury)	EPA 200.7 EPA 200.8	6 Mon	pH<2 (2 ml 1+1 HNO_3)	500	Plastic or Glass
NITRATE (Non chlorinated System)	EPA 300.0	48 Hours	Cool 4°C	100	Plastic or Glass
NITRITE	EPA 300.0 SM 4500-NO_2 B	48 Hours	Cool 4°C	100	Plastic or Glass
NITRATE-NITRITE (TOTAL)	EPA 300.0 EPA 353.2 SM 4500-NO_3 F	28 Days	pH<2 (1+1 H_2SO_4), Cool 4°C	200	Plastic or Glass
ODOR	SM 2150 B	24 Hours	Cool 4°C	500	Glass
ORTHO-PHOSPHATE	EPA 300.0 SM 4500-P E	48 Hours	Filter Immediately Cool 4°C	100	Plastic or Glass
SPECIFIC CONDUCTANCE	SM 2510 B	28 Days	Cool 4°C	100	Plastic or Glass

PARAMATERS	ANALYTICAL METHOD	HOLDING TIME	PRESERVATIVE	Min.Volume (ml)	CONTAINER TYPE
SULFATE	EPA 300.0	28 Days	Cool 4°C	200	Plastic or Glass
SURFACTANTS (MBAS)	SM 5540 C	48 Hours	Cool 4°C	500	Plastic or Glass
TEMPERATURE	SM 2550 B	Analyze Immediately	None Required	100	Plastic or Glass
TOTAL DISSOLVED SOLIDS (TDS)	SM 2540 C	7 Days	Cool 4°C	1000	Plastic or Glass
TOTAL ORGANIC CARBON (TOC)	SM 5310 B	28 Days	pH<2 (3 drops of 10% H_3PO_4), 4°C	100	Plastic or Glass
TURBIDITY	SM 2130 B	48 Hours	Cool 4°C	100	Plastic or Glass
ORGANIC ANALYSES					
CARBAMATES	EPA 531.1	28 Days	Cool 4°C, $Na_2S_2O_3$, Monochloroacetic Acid, pH <3	100	Glass
CHLORINATED ACIDS	EPA 515.3	14 Days until Extraction	Cool 4°C, $Na_2S_2O_3$, Dark	1000	2 x 1 Liter Amber Glass
CHLORINATED PESTICIDES	EPA 508	7 Days until Extraction	Cool 4°C, $Na_2S_2O_3$, Dark	1000	2 x 1 Liter Amber Glass
DIQUAT/PARAQUAT	EPA 549.2	7 Days until Extraction	Cool 4°C $Na_2S_2O_3$ pH<2 (1+1 H_2SO_4), Dark	250	500 ml Amber Plastic
EDB / DBCP / TCP	EPA 504.1	14 Days until Extraction	Cool 4°C $Na_2S_2O_3$ No Head Space	100	2 x 40 ml Glass vial
ENDOTHALL	EPA 548.1	7 Days until Extraction	Cool 4°C, $Na_2S_2O_3$, pH<1.5-2 (1:1 HCl) Dark	125	2 x 125 ml Amber Glass
GLYPHOSATE	EPA 547	14 Days	Cool 4°C, $Na_2S_2O_3$	125	2 x 125 ml Amber Glass
HALOACETIC ACIDS/DALAPON	EPA 552.2	14 Days until Extraction	Cool 4°C, 5 mg Ammonium Chloride, Dark No Head Space	100	2 x 40 ml Glass vial
SEMI-VOLATILE ORGANICS	EPA 525.2	14 Days until Extraction	Cool 4°C, Sodium Sulfite, pH<2 (1+1 HCl)	1000	2 x 1 Liter Amber Glass
VOLATILE ORGANICS	EPA 524.2	14 Days	Cool 4°C, pH<2 (2 drops 1:1 HCl) Ascorbic Acid, No Head Space	80	2 x 40 ml Glass vial
TOTAL TRIHALOMETHANE	EPA 524.2	14 Days	Cool 4°C, $Na_2S_2O_3$	80	2 x 40 ml Glass vial
MICROBIOLOGY					
HETEROTROPHIC PLATE COUNT	SM 9215 B	30 Hours[2]	Cool 4°C, Sterile $Na_2S_2O_3$	125	Sterile Plastic
E. COLI	SM 9223 B SM 9221 F	30 Hours	Cool 4°C, Sterile $Na_2S_2O_3$	125	Sterile Plastic

PARAMATERS	ANALYTICAL METHOD	HOLDING TIME	PRESERVATIVE	Min.Volume (ml)	CONTAINER TYPE
TOTAL COLIFORM BACTERIA	SM 9221 B SM 9222 B SM 9223 B	30 Hours	Cool 4°C, Sterile $Na_2S_2O_3$	125	Sterile Plastic

1 EDA – Ethylenediamine preservation solution See EPA Method 300.1
2 Under the Surface water treatment rule the holding time is 8 hours.