

| PARAMETERS | 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 |
| AMMONIA | EPA 350.1 | 28 Days | pH<2 (2 ml 1+1 H ₂ SO ₄), 4°C | 500 | Plastic or Glass |
| BOD-(5day) | SM 5210 B | 48 Hours | Cool 4°C | 1000 | Plastic or Glass |
| BROMIDE | EPA 300.0 | 28 Days | None Required | 100 | Plastic or Glass |
| COD | SM 5220 D | 28 Days | pH<2 (1 ml 1+1H ₂ SO ₄), 4°C | 100 | Plastic or Glass |
| CHLORIDE | EPA 300.0 | 28 Days | None Required | 100 | Plastic or Glass |
| CHLORINE, TOTAL RESIDUAL | EPA 330.5 | Analyze Immediately | None Required | 100 | Plastic or Glass |
| CHROMIUM VI | SM 3500-Cr D EPA 218.6 | 24 Hours | Cool to 4°C | 500 | Plastic or Glass |
| COLOR | SM 2120 B | 48 Hours | Cool 4°C | 500 | Plastic or Glass |
| CYANIDE, TOTAL | EPA 335.4 | 14 Days | pH>12 (2 ml NaOH), Cool 4°C Ascorbic Acid for Residual Chlorine | 500 | 1L Plastic |
| FLUORIDE | EPA 300.0 | 28 Days | None Required | 100 | Plastic |
| 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 |
| TOTAL KJELDAHL NITROGEN | EPA 351.2 | 28 Days | pH<2 (2 ml 1+1 H ₂ SO ₄), 4°C | 500 | Plastic or Glass |
| MERCURY | EPA 245.1 | 28 Days | pH<2 (2 ml 1+1 HNO ₃) | 500 | Plastic or Glass |
| TRACE METALS (Except Mercury and Chromium VI) | EPA 200.7 | 6 Mon | pH<2 (2 ml 1+1 HNO ₃) | 500 | Plastic or Glass |
| NITRATE | SM 4500-NO ₃ F EPA 353.2 EPA 300.0 | 48 Hours | Cool 4°C | 100 | Plastic or Glass |
| NITRITE | SM 4500-NO ₂ B EPA 300.0 | 48 Hours | Cool 4°C | 100 | Plastic or Glass |

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| NITRATE-NITRITE (TOTAL) | SM 4500 NO3 F EPA 353.2 EPA 300.0 | 28 Days | pH<2 (1 ml 1+1 H ₂ SO ₄), 4°C | 100 | Plastic or Glass |
| OIL AND GREASE | EPA 1664 | 28 Days | pH<2 (2 ml 1+1 HCl), 4°C | 1000 | Glass |
| ORGANIC CARBON (TOC) | SM 5310 C | 28 Days | pH<2 (3 Drops of 10% H ₃ PO ₄), 4°C | 120 | 3 x 40 ml Glass vial |
| PHENOLICS | EPA 420.1 | 28 Days | pH<2 (1 ml 1+1 H ₂ SO ₄), 4°C | 1000 | Glass |
| PHOSPHORUS, ORTHO | SM 4500-P E | 48 Hours | Filter Immediately Cool 4°C | 100 | Plastic or Glass |
| PHOSPHORUS, TOTAL | SM 4500-P E | 28 Days | pH<2 (5 drops 1+1 H ₂ SO ₄), 4°C | 100 | Plastic or Glass |
| SOLIDS, TOTAL | SM 2540 B | 7 Days | Cool 4°C | 200 | Plastic or Glass |
| SOLIDS, TOTAL DISSOLVED (TDS) | SM 2540 C | 7 Days | Cool 4°C | 200 | Plastic or Glass |
| SOLIDS, TOTAL SUSPENDED (TSS) | SM 2540 D | 7 Days | Cool 4°C | 1000 | Plastic or Glass |
| SOLIDS, TOTAL SETTLEABLE | SM 2540 F | 48 Hours | Cool 4°C | 1000 | Plastic or Glass |
| SOLIDS, TOTAL VOLATILE | EPA 160.4 SM 2540 G | 7 Days | Cool 4°C | 100 | Plastic or Glass |
| SPECIFIC CONDUCTANCE | SM 2510 B | 28 Days | Cool 4°C | 100 | Plastic or Glass |
| 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 |
| TANNIN AND LIGNINS | SM 5550 B | 7 Days | Cool 4°C | 200 | Plastic or Glass |
| TEMPERATURE | SM 2550 B | Analyze Immediately | None Required | 100 | Plastic or Glass |
| TURBIDITY | SM 2130 B | 48 Hours | Cool 4°C | 100 | Plastic or Glass |
| ORGANIC ANALYSES | | | | | |
| VOLATILE ORGANIC COMPOUNDS | EPA 624 | 7 Days | Cool 4°C, Sodium Thiosulfate No Head Space | 80 | 2 x 40 ml Glass vial |

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| SEMI-VOLATILE ORGANIC COMPOUNDS | EPA 625 | 7 Days until Extraction | Cool 4°C | 1000 | 2 x 1 Liter Amber Glass |
| PCB'S | EPA 608 | 7 Days until Extraction | Cool 4°C | 1000 | 2 x 1 Liter Amber Glass |
| PESTICIDES, CHLORINATED | EPA 608 | 7 Days until Extraction | Cool 4°C | 1000 | 2 x 1 Liter Amber Glass |
| MICROBIOLOGY | | | | | |
| TOTAL COLIFORM | SM 9221 B/C SM 9223 B (Colilert Quanti-Tray) | 6 Hours | Cool 4°C, Sterile with Na ₂ S ₂ O ₃ | 125 | Sterile Plastic |
| FECAL COLIFORM/E. COLI | SM 9221 B/C/E SM 9223 B (Colilert Quanti-Tray) | 6 Hours | Cool 4°C, Sterile with Na ₂ S ₂ O ₃ | 125 | Sterile Plastic |