

Domestic Water Analysis

Work Days

Bacteriological

Coliform and E. coli, P/A	6
Coliform, MPN	7
E. coli, MPN	7
Fecal, MPN	7

Copper and Lead (First Draw) 12

General Mineral Alkalinity (OH, CO₃, HCO₃), EC, SO₄, Cl, pH, MBAS, TDS, Hardness, LI;
Dissolved Metals: Ca, Mg, Na, Fe, Mn, Cu, Zn 10

General Physical Color, Odor, Turbidity 3

Household Package Alkalinity, EC, Ca, Cl, Fe, Mg, NO₃, Na Hardness and pH 4

Inorganic Chemical Scan I Al, Sb, As, Ba, Be, Cd, Cr, F, Pb, Hg, Ni, NO₃, NO₂, Se, Ag, Tl 20

Inorganic Chemical Scan II Inorganic Chemical Scan I plus CN 20

Radioactivity

Gross Alpha	20
Uranium	20
Radium 226	60
Radium 228	60

Synthetic Organic Chemicals

Organic EPA 508: Endrin, Lindane, Methoxychlor, Toxaphene, Chlordane, Heptachlor, Heptachlor epoxide 20

Organic EPA 505: Hexachlorocyclopentadiene (HCPPD)

Organic EPA 504: Ethylene dibromide (EDB) , Dibromochloropropane (DBCP) 15

Organic EPA 515.1: Bentazon; 2,4-D; 2,4,5-TP 15

Organic EPA 507: Atrazine, Molinate, Simazine, Thiobencarb 15

Organic EPA 547: Glyphosate 20

Organic EPA 525.2: Screen 15

Organic EPA 548: Endothall 15

Organic EPA 549: Diquat 15

Organic EPA 531.1: Carbofuran 10

Volatile Organic Chemicals EPA 502 (GC), Reg & Unreg 15

Volatile Organic Chemicals EPA 524 (GC/MS), Reg & Unreg 15

Partial List: 1,1,1-Trichloroethane; Trichloroethylene; 1,1-Dichloroethylene; Benzene; Xylenes;
Monochlorobenzene; Ethylbenzene; 1,3-Dichloropropene; 1,1,2,2- Tetrachloroethane; Tetrachloroethylene;
1,2-Dichloroethane; Vinyl chloride; Carbon tetrachloride; 1,4-Dichlorobenzene; 1,1,2-Trichloroethane; Cis-1,2-
Dichloroethylene; Trans-1,2-Dichloroethylene; 1,1-Dichloroethane; 1,2-Dichloropropane;
Trichlorofluoromethane (Freon 11); 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)

Miscellaneous Water Analysis	Method	Work Days
<u>Individual Water Analysis:</u>		
Acidity (as CaCO ₃)	SM2310-B	4
Alkalinity (as CaCO ₃)	SM2320-B/EPA310.1	4
Aluminum (Al)	SM3120-B/EPA 200.7	4
Anions: Cl, F, NO ₃ , NO ₂ , PO ₄ , SO ₄	EPA 300.0	5
Asbestos	EPA 100.2	6
Arsenic (As), Agricultural	SM 3120-B/EPA 200.7	4
Domestic	EPA 200.8	12
Barium (Ba)	SM 3120-B/EPA 200.7	4
Beryllium (Be)	SM 3120-B/EPA 200.7	4
Boron (B)	SM 3120-B/EPA 200.7	4
Boron (B)	EPA 200.8	12
Cadmium (Cd)	SM3120-B/EPA 200.7	4
Calcium (Ca)	SM3120-B/EPA 200.7	4
Carbon: Total Organic (NPOC)	EPA 415.1	6
Carbonate and Bicarbonate (CO ₃ and HCO ₃ as CaCO ₃)	SM 2320-B	4
Chloride (Cl)	SM 4500-Cl B/ EPA 300.0	4
Chlorine, Residual (Cl ₂)	In Field	
Chromium (Cr), Total	SM3120-B/EPA 200.7	4
Total (1 ppb)	EPA 200.8	12
Hexavalent (Cr VI)	EPA 218.6	12
Color	SM2120-B/EPA110.2	3
Copper (Cu)	SM3120-B/EPA 200.7	4
DBCP	EPA 504	10
Electrical Conductivity (EC), Specific Conductance	SM 2510-B/EPA120.1	3
Fluoride (F)	EPA 300.0	3
Hardness (as CaCO ₃)	calc	4
Hydroxide (OH as CaCO ₃)	SM 2320-B	4
Iron (Fe)	SM3120-B/EPA 200.7	4
Langlier Index (LI)	calc	4
Lead (Pb)		12
Magnesium (Mg)	SM3120-B/EPA 200.7	4
Manganese (Mn)	SM3120-B/EPA 200.7	4
Mercury (Hg)	EPA 7470 or 7471	15
Molybdenum (Mo)	SM3120-B/EPA 200.7	4
Molybdenum (Mo)	EPA 200.8	12
Nickel (Ni)	SM3120-B/EPA 200.7	4

Miscellaneous Water Analysis (continued)	Method	Work Days
Nitrogen: Ammonia (NH ₄ -N)	SM 4500-NH ₃ H/EPA350.1	6
Un-ionized NH ₄ -N	calc	6
Nitrate (NO ₃ -N)	SM 4500-NO ₃ F/EPA353.2/ EPA 300.0	4
Nitrite (NO ₂ -N)	SM 4500-NO ₂ B/EPA353.2 EPA 300.0	4
Organic (Org N)	calc	4
Kjeldahl (TKN)	SM 4500-NH ₃ C	4
Total	calc	4
Odor, Threshold	SM2150-B	3
Oil & Grease	SM 5520-B/EPA413.1	10
Oxygen, Dissolved (DO)	In Field	2
Oxygen Demand, Biochemical (BOD ₅)		7
Soluble		7
Oxygen Demand, Chemical (COD)	SM 5220-C	7
pH	SM 4500-H B/EPA150.1	3
Perchlorate	EPA 314.0	12
Phosphorus: Ortho (PO ₄ -P)	EPA 300.0	4
Total (P, digested)	SM3120-B/EPA 200.7	5
Potassium (K)	SM3120-B/EPA 200.7	4
Residue: Identification		15
Selenium (Se), Agricultural	SM3120-B/EPA 200.7	4
Domestic	EPA 200.8	12
Sheathed Bacteria		15
Silica (Total)	SM3120-B/EPA 200.7	4
Silver (Ag)	SM3120-B/EPA 200.7	4
Sodium (Na)	SM3120-B/EPA 200.7	4
Solids: Total (TS)	SM 2540-B	5
Total Filterable (TDS)	SM 2540-C/EPA160	5
Volatile Dissolved Solids (VDS)	SM 2540-E	7
Inorganic Dissolved Solids (IDS)	SM 2540-E	7
Total Nonfilterable (TSS)	SM 2540-D/EPA160.2	5
Settleable Matter (SS)	SM 2540-F	4
Sulfate (SO ₄)	EPA 300.0	4
Sulfur (S)	SM3120-B/EPA 200.7	4
Surfactants (MBAS)	SM 5540-C	7
Turbidity	SM 2130-B	3
Vanadium (V)	EPA 200.8	12
Zinc (Zn)	SM3120-B/EPA 200.7	4