GILLETTE MADISON WELL FIELD
PRIVATE WATER WELL SAMPLING LIST

OCTOBER 2017

Analysis	Laboratory Method
Dissolved Oxygen	Optical luminescence (ROX™)
Ferrous iron	Field Measurement - Hach Method 8146 with AccVac™
Oxidation-Reduction Potential	Field Measurement - AG/AgCl reference electrodes
pH	Field Measurement - Glass sensing and AG/AgCl reference electrodes
Salinity	NA (Calculation)
Specific Conductance	Field Measurement - Four electrode cell
Temperature	Field Measurement - Thermistor
Turbidity	Field Measurement - Optical
Major Cations (Calcium, Iron, Magnesium, Manganese, Potassium, Sodium, Strontium)	SW846 6010B
Major Anions (Alkalinity-Bicarbonate, Alkalinity-Carbonate, Alkalinity-Hydroxide, Alkalinity-Total CaCO3, Bromide, Chloride, Fluoride, Ammonia, Nitrate, Nitrite, Sulfate, Total Dissolved Solids, Sulfide)	EPA 300.0, SM 2320B, SM 2450C, SM 4500
Additional WWQRR Chapter 8 Table 1 Constituents Metals, (Aluminum, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Cyanide, Lead, Lithium, Mercury, Nickel, Selenium, Silver, Vanadium, Zinc) Radionuclides (Combined total Radium 226 and Radium 228, Total Strontium 90, Gross alpha particle radioactivity (Including Radium 226 but excluding Radon and Uranium)	EPA 200.7/200.8 or SW 846 6010C or SW 846 6020 EPA 903.0 and RA-05, EPA 905.0, EPA 900.1
Iron Reducing Bacteria and Total Coliform Bacteria	SM 9240, SM 9221 or SM 9223
Isotopic analysis of Deuterium and O^{18}	Lab proprietary methods