

**Table MU1 4-4 General Laboratory Analyses**

Parameter	Laboratory Analysis Method	Detection Limit <sup>1</sup>
<b>Physical</b>		
Specific Conductance at 25 °C	APHA SM A2510 B	1 µmhos/cm
Laboratory pH	APHA SM A4500-H B	0.01 SU
TDS at 180 °C	APHA SM A2540 C	10 mg/L
<b>Major Ions</b>		
Total Alkalinity as CaCO <sub>3</sub>	APHA SM A2320 B	1 mg/L
Bicarbonate (HCO <sub>3</sub> )	APHA SM A2320 B	1 mg/L
Carbonate (CO <sub>3</sub> )	APHA SM A2320 B	1 mg/L
Dissolved Calcium (Ca)	EPA 200.7	1 mg/L
Total Chloride (Cl)	EPA 300.0	1 mg/L
Dissolved Fluoride (F)	APHA SM A4500-F C	0.1 mg/L
Dissolved Magnesium (Mg)	EPA 200.7	1 mg/L
Ammonia as Nitrogen (NH <sub>3</sub> -N)	EPA 350.1/APHA SM A4500-NH3 G	0.05 mg/L
Dissolved Nitrate plus Nitrite as Nitrogen (NO <sub>3</sub> +NO <sub>2</sub> -N)	EPA 353.2	0.05 mg/L
Dissolved Potassium (K)	EPA 200.7	1 mg/L
Dissolved Silica (SiO <sub>2</sub> )	EPA 200.7	0.2 mg/L
Dissolved Sodium (Na)	EPA 200.7	1 mg/L
Total Sulfate (SO <sub>4</sub> )	EPA 300.0	1 mg/L
<b>Dissolved Metals</b>		
Dissolved Aluminum (Al)	EPA 200.7/EPA 200.8	0.1 mg/L
Dissolved Arsenic (As)	EPA 200.8	0.001 mg/L
Dissolved Barium (Ba)	EPA 200.7/EPA 200.8	0.1 mg/L
Dissolved Boron (B)	EPA 200.7/EPA 200.8	0.1 mg/L
Dissolved Cadmium (Cd)	EPA 200.8	0.005 mg/L
Dissolved Chromium (Cr)	EPA 200.7/EPA 200.8	0.05 mg/L
Dissolved Copper (Cu)	EPA 200.8	0.01 mg/L
Dissolved Iron (Fe)	EPA 200.7/EPA 200.8	0.03 mg/L
Dissolved Lead (Pb)	EPA 200.8	0.001 mg/L
Dissolved Manganese (Mn)	EPA 200.7/EPA 200.8	0.01 mg/L
Dissolved Mercury (Hg)	EPA 200.8	0.001 mg/L <sup>2</sup>
Dissolved Molybdenum (Mo)	EPA 200.7/EPA 200.8	0.1 mg/L
Dissolved Nickel (Ni)	EPA 200.7/EPA 200.8	0.05 mg/L
Dissolved Selenium (Se)	EPA 200.8	0.001 mg/L
Dissolved Uranium (U)	EPA 200.8	0.003 mg/L
Dissolved Vanadium (V)	EPA 200.8	0.1 mg/L
Dissolved Zinc (Zn)	EPA 200.7/EPA 200.8	0.01 mg/L
<b>Total Metals</b>		
Total Fe	EPA 200.7/EPA 200.8	0.03 mg/L
Total Mn	EPA 200.7/EPA 200.8	0.01 mg/L
<b>Dissolved Radionuclides</b>		
Gross Alpha	EPA 900.0	---
Gross Beta	EPA 900.0	---
Radium-226 (Ra-226)	EPA 903.0	---
Radium-228 (Ra-228)	EPA RA-05	---

<sup>1</sup> Detection level may be increased due to sample matrix interference.

<sup>2</sup> This exceeds the WDEQ Water Quality Division's Livestock Class-of-Use Criterion of 0.00005 mg/L.