

Analytical Results

Irrigation Water Quality

TASK NO: 240207032

Report To: Thom Yoder

Company: Tabernash Meadows WSD
P.O. Box 443
Tabernash CO 80478

Bill To: Accounts Payable

Company: Tabernash Meadows WSD
P.O. Box 443
Tabernash CO 80478

Task No.: 240207032

Client PO:

Client Project: Tabernash Meadows WSD CO0125720

Date Received: 2/7/24

Date Reported: 2/16/24

Matrix: Water - Drinking

Customer Sample ID Finished Water 002

Sample Date/Time: 2/7/24 8:30 AM

Lab No. 240207032-01

Test (units)	Sample Result	Suggested Levels - Irrigation Use
Total Alkalinity (mg/L as CaCO ₃)	204.2	0-100
Bicarbonate (mg/L as CaCO ₃)	204.2	-
Carbonate (mg/L as CaCO ₃)	< 0.2	-
Hydroxide (mg/L as CaCO ₃)	< 0.2	-
Chloride (mg/L)	20.5	0-140
Nitrate Nitrogen (mg/L)	1.79	5+
Phosphate - Ortho (as P) (mg/L)	0.20	0.2-15
Phosphate - Ortho (as PO ₄) (mg/L)	0.62	
Sulfate (mg/L)	11.4	24-240
Ammonia Nitrogen (mg/L)	0.08	-
Copper (mg/L)	< 0.1	0-0.2
Iron (mg/L)	< 0.005	2-5
Potassium (mg/L)	5.7	0.5-10
Manganese (mg/L)	< 0.05	
Molybdenum (mg/L)	< 0.5	
Calcium (mg/L)	78.7	40-120
Calcium Hardness (mg/L as CaCO ₃)	196	-
Magnesium (mg/L)	2.4	6-24
Sodium (mg/L)	16.6	0-50
Total Hardness (mg/L as CaCO ₃)	207	
Zinc (mg/L)	< 0.1	
Boron (mg/L)	< 0.05	0.2-0.8
pH (units)	7.28	-
Sodium Adsorption Ratio (units)	0.5	0-4
Salinity (umhos/cm @ 25c)	520	0-1500

Abbreviations:

mg/L = Milligrams Per Liter or PPM

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Test	Result	Method	RL	MCL	Date Analyzed	QC Batch ID	Analyzed By
Fluoride	0.60 mg/L	EPA 300.0	0.10 mg/L	4	2/8/24	QC71256	NRP

Abbreviations/References:

RL = Reporting Limit = Minimum Level
mg/L = Milligrams Per Liter or PPM
ug/L = Micrograms Per Liter or PPB
mpn/100 mls = Most Probable Number Index/ 100 mls
Date Analyzed = Date Test Completed

(d) RPD acceptable due to low duplicate and sample concentrations.
(s) The accuracy of the spike recovery value is reduced due to the analyte concentration in the sample being disproportionate to the spike level. The laboratory control sample recovery was acceptable

MCL = Maximum contaminant level per the EPA
ND = Not Detected at Reporting Limit.