

**AMARILLO MUTUAL WATER COMPANY
2021 WATER QUALITY**

GROUNDWATER FROM SAN GABRIEL VALLEY WATER COMPANY						
CONSTITUENT (UNITS)	MCL	PHG (MCLG)	GROUNDWATER SOURCES		MOST RECENT TEST YEAR	TYPICAL SOURCE OF CONTAMINANT
			Average Level	Range of Detections		
PRIMARY DRINKING WATER STANDARDS – Health Related Standards						
INORGANIC CHEMICALS						
Arsenic (µg/l)	10	0.004	<2	ND - 2.9	2021	Erosion of natural deposits
Fluoride (mg/l)	2	1	0.54	0.4 - 0.78	2021	Erosion of natural deposits
Nitrate as N (mg/l)	10	10	2.7	ND - 5.2	2021	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
RADIOACTIVITY						
Gross Alpha (pCi/l)	15	(0)	4.4	ND - 10	2019	Erosion of natural deposits
Uranium (pCi/l)	20	0.43	6.9	1.9 - 10	2019	Erosion of natural deposits
SECONDARY DRINKING WATER STANDARDS – Aesthetic Standards, Not Health-Related						
Chloride (mg/l)	500	NA	19	3.8 - 34	2021	Erosion of natural deposits
Odor (Threshold Odor Number)	3	NA	1	1	2021	Naturally occurring organic materials
Specific Conductance (µmho/cm)	1,600	NA	530	320 - 690	2021	Substances that form ions in water
Sulfate (mg/l)	500	NA	62	19 - 110	2021	Erosion of natural deposits
Total Dissolved Solids (mg/l)	1,000	NA	330	190 - 470	2021	Erosion of natural deposits
Turbidity (NTU)	5	NA	<0.1	ND - 0.15	2021	Soil runoff
UNREGULATED CONSTITUENTS OF INTEREST						
Alkalinity, Total as CaCO ₃ (mg/l)	NA	NA	190	140 - 220	2021	Erosion of natural deposits
Calcium (mg/l)	NA	NA	61	28 - 86	2021	Erosion of natural deposits
Hardness as CaCO ₃ (mg/l)	NA	NA	220	83 - 320	2021	Erosion of natural deposits
Magnesium (mg/l)	NA	NA	16	3.1 - 26	2021	Erosion of natural deposits
Molybdenum (µg/l)	NA	NA	3.7	1.8 - 5.1	2021	Erosion/leaching from natural deposits
pH (standard units)	NA	NA	7.8	7.4 - 8.1	2021	Erosion of natural deposits
Sodium (mg/l)	NA	NA	26	21 - 37	2021	Naturally occurring; industrial waste discharge
<p>µg/l = parts per billion or micrograms per liter (about 1 drop in 14,000 gallons) mg/l = parts per million or milligrams per liter (about 3 drops in 42 gallons)</p> <p>µmho/cm = micromhos per centimeter pCi/l = picoCurie per liter MCL = Maximum Contaminant Level MCLG = MCL Goal</p> <p>NA = Not Applicable ND = Not Detected NTU = Nephelometric Turbidity Units</p> <p>PHG = Public Health Goal < = average is less than the detection limit for purposes of reporting</p>						
LEAD AND COPPER CONCENTRATIONS AT RESIDENTIAL TAPS						
CONSTITUENT (UNITS)	ACTION LEVEL (AL)	PHG	90th PERCENTILE VALUE	SITES EXCEEDING AL/ NUMBER OF SITES	TYPICAL SOURCE OF CONTAMINANT	
Copper (mg/l)	1.3	0.3	0.53	0/10	Corrosion of household plumbing	
Lead (µg/l)	15	0.2	ND	0/10	Corrosion of household plumbing	
<p>Ten residences are tested every three years for lead and copper at-the-tap. The most recent set of samples was collected in 2020. None of the sample results exceeded the regulatory Action Level (AL). The AL is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow. During 2021, no school submitted a request to be sampled for lead.</p>						
DISTRIBUTION SYSTEM WATER QUALITY						
CONSTITUENT (UNITS)	MCL (MRDL)	PHG (MRDLG)	AVERAGE LEVEL	RANGE OF DETECTIONS	TYPICAL SOURCE OF CONTAMINANT	
DISINFECTANT RESIDUALS (a)						
Chlorine Residual (mg/l)	(4)	(4)	1.2	1 - 1.7	Drinking water disinfectant added for treatment	
AESTHETIC QUALITY (b)						
Turbidity (NTU)	5	NA	<0.1	ND - 0.35	Soil runoff	
<p>MRDL = Maximum Residual Disinfectant Level MRDLG = Maximum Residual Disinfectant Level Goal</p>						
<p>(a) Highest quarterly running annual average for 2021, and the range of the individual results for samples collected in 2021. (b) Regulated by secondary drinking water standards. Samples collected monthly for color, odor, and turbidity. Color and odor were not detected in 2021.</p>						

**AMARILLO MUTUAL
WATER COMPANY**

**2021 CONSUMER CONFIDENCE
REPORT**



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