AMARILLO MUTUAL WATER COMPANY
2022 Water quality - Consumer Confidence Report

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						
Fluoride (mg/l)	2	1	0.57	0.41 - 0.78	2022	Erosion of natural deposits
Nitrate as N (mg/l)	10	10	2.5	0.23 - 4.7	2022	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
RADIOACTIVITY						
Gross Alpha (pCi/l)	15	(0)	3.7	ND - 7.7	2022	Erosion of natural deposits
Uranium (pCi/l)	20	0.43	6.5	1.9 - 10	2021	Erosion of natural deposits
SECONDARY DRINKING WATER STANDARDS – Aesthetic Standards, Not Health-Related						
Chloride (mg/l)	500	NA	20	3.8 - 34	2022	Erosion of natural deposits
Odor (Threshold Odor Number)	3	NA	1	1	2022	Naturally occurring organic materials
Specific Conductance (µmho/cm)	1,600	NA	540	310 - 740	2022	Substances that form ions in water
Sulfate (mg/l)	500	NA	66	20 - 110	2022	Erosion of natural deposits
Total Dissolved Solids (mg/l)	1,000	NA	350	180 - 490	2022	Erosion of natural deposits
Turbidity (NTU)	5	NA	<0.1	ND - 0.38	2022	Soil runoff
UNREGULATED CONSTITUENTS OF INTEREST						
Alkalinity, Total as CaCO3 (mg/l)	NA	NA	190	140 - 240	2022	Erosion of natural deposits
Calcium (mg/l)	NA	NA	62	31 - 88	2022	Erosion of natural deposits
Hardness as CaCO3 (mg/l)	NA	NA	220	93 - 330	2022	Erosion of natural deposits
Magnesium (mg/l)	NA	NA	17	3.8 - 26	2022	Erosion of natural deposits
Molybdenum (µg/l)	NA	NA	3.5	1.6 - 5.1	2022	Erosion/leaching from natural deposits
pH (standard units)	NA	NA	7.8	7.4 - 8.2	2022	Erosion of natural deposits
Sodium (mg/l)	NA	NA	25	25 - 33	2022	Naturally occurring; industrial waste discharge

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)

µmho/cm = micromhos per centimeter
pCi/l = picoCurie per liter
MCL = Maximum Contaminant Level
MCLG = MCL Goal

NA = Not Applicable
ND = Not Detected
NTU = Nephelometric Turbidity Units

PHG = Public Health Goal
< = average is less than the detection limit for purposes of reporting

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

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.

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)	1.3	0.99 - 1.6	Drinking water disinfectant added for treatment
AESTHETIC QUALITY (b)					
Turbidity (NTU)	5	NA	<0.1	ND - 0.21	Soil runoff

MRDL = Maximum Residual Disinfectant Level
MRDLG = Maximum Residual Disinfectant Level Goal

(a) Highest quarterly running annual average for 2022, and the range of the individual results for samples collected in 2022.
(b) Regulated by secondary drinking water standards. Samples collected monthly for color, odor, and turbidity. Color and odor were not detected in 2022.