



Pueblo Water

2022

**WATER
QUALITY
SUMMARY**

For the Raw Water
Arkansas River Intake



2022

2022 Analytical Results Summary for Pueblo's Raw Water Arkansas River Intake				
Parameter	Units	Range of Detection	Pueblo Raw Water Average Level	Number of Samples Analyzed
Clarity				
Turbidity	NTU	1.20 - 2.11	1.71	21
Microbiological				
Total Coliform Bacteria	MPN/100 mL	12.2 - 290.9	164.5	16
E. Coli Bacteria	MPN/100 mL	4.20 - 166.4	30.0	16
Inorganic Chemicals				
Trace Metals				
Aluminum	µg/L	2.13	2.13	1
Antimony	µg/L	<1.00	<1.00	1
Arsenic	µg/L	1.02	1.02	1
Barium	µg/L	68.9	68.9	1
Beryllium	µg/L			0
Cadmium	µg/L	<1.00	<1.00	1
Calcium	mg/L	55.7	55.7	1
Chromium	µg/L	<1.00	<1.00	1
Cobalt	µg/L	<1.00	<1.00	1
Copper	µg/L	<1.00	<1.00	1
Iron	mg/L	<0.50	<0.50	1
Lead	µg/L	<1.00	<1.00	1
Magnesium	mg/L	13.5	13.5	1
Manganese	µg/L	30.9	30.9	1
Mercury	µg/L	<0.50	<0.50	1
Molybdenum	µg/L	4.36	4.36	1
Nickel	µg/L	3.63	3.63	1
Potassium	mg/L	2.35	2.35	1
Selenium	µg/L	4.82	4.82	1
Silver	µg/L			0
Sodium	mg/L	20.2	20.2	1
Thallium	µg/L	<1.00	<1.00	1
Vanadium	µg/L	1.21	1.21	1
Zinc	µg/L	4.69	4.69	1

For the Raw Water
Arkansas River Intake

2022

2022 Analytical Results Summary for Pueblo's Raw Water Arkansas River Intake

Parameters (Cont'd)	Units	Range of Detection	Pueblo Raw Water Average Level	Number of Samples Analyzed
Additional Parameters				
Alkalinity (as CaCO ₃)	mg/L	110 - 111	111	4
Bromide	mg/L	<0.10	<0.10	2
Calcium Hardness (as CaCO ₃)	mg/L	116 - 125	122	4
Chloride	mg/L	7.64 - 8.14	7.84	4
Conductivity	µmho/cm	424 - 456	430	21
Fluoride	mg/L	0.42 - 0.48	0.44	31
Nitrate as N	mg/L	<0.10	<0.10	3
Nitrite as N	mg/L	<0.10	<0.10	4
Total Hardness (as CaCO ₃)	mg/L	164 - 168	166	4
Ortho-Phosphate (as Phosphorous)	mg/L	<0.10	<0.10	3
pH	units	8.02 - 8.17	8.10	21
Total Dissolved Solids	mg/L	283 - 287	285	4
Sulfate	mg/L	93.8 - 94.3	94.1	3
Total Organic Carbon	mg/L	2.2	2.2	4

Listed above are regulated and unregulated contaminants detected in the raw water in 2022.

Terms and Definitions Used in the Above Data Table

Turbidity - Turbidity is a measure of the cloudiness of water. We monitor it because it is a good indicator of the effectiveness of our plant's filtration system.

NTU - Nephelometric Turbidity Unit - A unit of measurement of turbidity in the water.

MPN/100 mL - Most Probable Number per 100 milliliter - The most probable number of bacterial colonies per 100 milliliters of a water sample.

ND - Not Detected

µg/L - microgram per liter or one part per billion

mg/L - milligram per liter or one part per million

µmho/cm - a unit of measurement of the conductivity of the water

< - Less Than

Please contact the Board of Water Works Water Quality Laboratory for any additional information regarding water quality at (719)584-0266. Hours are 7:00 am - 3:30 pm Monday through Friday.

For the Raw Water Arkansas River Intake