



<b>2017 Analytical Results Summary for Pueblo's Raw Water Arkansas River Intake</b>				
<b>Parameter</b>	<b>Units</b>	<b>Range of Detection</b>	<b>Pueblo Raw Water Average Level</b>	<b>Number of Samples Analyzed</b>
<b>Clarity</b>				
Turbidity	NTU	1.34 - 26.5	7.28	247
<b>Microbiological</b>				
Total Coliform Bacteria	MPN/100 mL	39.3 - 12098	2006.8	194
E. Coli Bacteria	MPN/100 mL	<1 - 198.9	25.6	194
<b>Inorganic Chemicals</b>				
<b>Trace Metals</b>				
Aluminum	µg/L	<1.00 - 109	26.1	10
Antimony	µg/L	<1.00	<1.00	10
Arsenic	µg/L	<1.00	<1.00	10
Barium	µg/L	45.5 - 66.2	57.9	10
Beryllium	µg/L	<1.00	<1.00	10
Cadmium	µg/L	<1.00	<1.00	10
Calcium	mg/L	40.8 - 71.4	60.2	10
Chromium	µg/L	<1.00	<1.00	10
Cobalt	µg/L	<1.00	<1.00	10
Copper	µg/L	1.01 - 1.58	1.29	10
Iron	mg/L	<0.50	<0.50	10
Lead	µg/L	<1.00	<1.00	10
Magnesium	mg/L	8.36 - 17.0	13.6	10
Manganese	µg/L	<1.00 - 42.4	14.6	10
Mercury	µg/L	<0.50	<0.50	10
Molybdenum	µg/L	3.83 - 4.73	4.27	10
Nickel	µg/L	1.16 - 3.43	2.50	10
Potassium	mg/L	1.73 - 2.52	2.20	10
Selenium	µg/L	2.03 - 6.41	4.26	10
Silver	µg/L	<1.00	<1.00	10
Sodium	mg/L	9.63 - 28.0	20.2	10
Thallium	µg/L	<1.00	<1.00	10
Vanadium	µg/L	<1.00 - 1.30	<1.00	10
Zinc	µg/L	1.36 - 9.21	4.57	10



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<b>Parameters (Cont'd)</b>	<b>Units</b>	<b>Range of Detection</b>	<b>Pueblo Raw Water Average Level</b>	<b>Number of Samples Analyzed</b>
<b>Additional Parameters</b>				
Alkalinity (as CaCO <sub>3</sub> )	mg/L	71 - 125	99	88
Ammonia (as Nitrogen)	mg/L	<0.01 - 0.13	0.02	85
Calcium Hardness (as CaCO <sub>3</sub> )	mg/L	88 - 285	136	51
Chloride	mg/L	3.12 - 9.06	6.82	47
Conductivity	µmho/cm	248 - 524	430	247
Fluoride	mg/L	0.31 - 0.52	0.45	356
Total Hardness (as CaCO <sub>3</sub> )	mg/L	112 - 218	178	51
pH	units	7.82 - 8.37	8.13	246
Total Dissolved Solids	mg/L	163 - 514	298	51
Sulfate	mg/L	48.8 - 132	102	49

Listed above are regulated and unregulated contaminants detected in the raw water in 2017.

**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)584-0467. Hours are 8:00 am - 4:30 pm Monday through Friday.