

2007 Analyses Results for Raw Water		Table Part I	
Parameter	Units	Range of Detection	Pueblo Raw Water Pipeline Average Level
Clarity			
Turbidity	NTU	0.7---49	4.1
Microbiological			
Total Coliform Bacteria	per 100mL	0---6500	460
Fecal Coliform Bacteria	per 100mL	0---41	5
Giardia	Oocysts/ L	0---0.5	0
Cryptosporidium	Oocysts/ L	0---0.2	0
Organic Chemicals			
Pesticides			
Aldrin	ug/L	<0.01	<0.01
alpha-Chlordane	ug/L	<0.01	<0.01
Chlordane	ug/L	<0.20	<0.20
Dieldrin	ug/L	<0.01	<0.01
Endrin	ug/L	<0.01	<0.01
Hexachlorocyclopentadiene	ug/L	<0.05	<0.05
Heptachlor	ug/L	<0.01	<0.01
Heptachlor epoxide	ug/L	<0.01	<0.01
Hexachlorobenzene	ug/L	<0.02	<0.02
Methoxychlor	ug/L	<0.05	<0.05
Toxaphene	ug/L	<0.50	<0.50
gamma-Chlordane	ug/L	<0.01	<0.01
Alachlor	ug/L	<0.20	<0.20
Atrazine	ug/L	<0.10	<0.10
Simazine	ug/L	<0.07	<0.07
PCB-Total	ug/L	<0.10	<0.10
Herbicides			
2,4,-D	ug/L	<0.10	<0.10
Dicamba	ug/L	<0.30	<0.30
Dalapon	ug/L	<1.0	<1.0
Dinoseb	ug/L	<0.20	<0.20
Pentachlorophenol	ug/L	<0.04	<0.04
Picloram	ug/L	<0.10	<0.10
Silvex	ug/L	<0.20	<0.20
Carbamate Pesticides			
3-Hydroxycarbofuran	ug/L	<0.50	<0.50
Aldicarb	ug/L	<0.50	<0.50
Aldicarb sulfone	ug/L	<0.50	<0.50
Aldicarb sulfoxide	ug/L	<0.50	<0.50
Carbaryl	ug/L	<0.50	<0.50
Carbofuran	ug/L	<0.50	<0.50
Methiocarb	ug/L	<1.0	<1.0
Methomyl	ug/L	<0.50	<0.50
Oxamyl (Vydate)	ug/L	<0.50	<0.50
Propoxur	ug/L	<0.50	<0.50

Please See Next Page for More Information (Table Part II)

Parameters (Cont'd)	Units	Range of Detection	Pueblo Raw Water Pipeline Average Level
Inorganic Chemicals			
Trace Metals			
Aluminum	ug/L	52---270	110
Antimony	ug/L	<0.2	<0.2
Arsenic	ug/L	0.9---1.2	1.0
Barium	ug/L	49---62	54
Beryllium	ug/L	<0.1	<0.1
Cadmium	ug/L	<0.06	<0.06
Chromium	ug/L	2.4---3.9	3.0
Copper	ug/L	<4.2	<4.2
Iron	ug/L	<4.7---51	19
Lead	ug/L	<0.1	<0.1
Manganese	ug/L	6.1---14	11
Mercury	ug/L	<0.1	<0.1
Molybdenum	ug/L	4.8---6.2	5.5
Nickel	ug/L	1.4---2.9	2.1
Selenium	ug/L	2.6---4.3	3.6
Silver	ug/L	<0.2	<0.2
Thallium	ug/L	<0.1	<0.1
Zinc	ug/L	<3.5	<3.5
Cations (Salts)			
Calcium	mg/L	39--55	50
Magnesium	mg/L	10---16	14
Potassium	mg/L	1.6---2.5	2.2
Sodium	mg/L	13---22	19
Additional Parameters			
Alkalinity (as CaCO ₃)	mg/L	92---150	120
Ammonia	mg/L	0.02---0.15	0.06
Calcium Hardness (as CaCO ₃)	mg/L	120---220	170
Chloride	mg/L	5---13	9
Conductivity	umho/cm	310---510	420
Fluoride	mg/L	0.4---0.7	0.6
Total Hardness (as CaCO ₃)	mg/L	160---240	200
Nitrate (as Nitrogen)	mg/L	0.16---0.40	0.28
Nitrite (as Nitrogen)	mg/L	<0.01---0.01	0.01
Total Nitrate and Nitrite (as Nitrogen)	mg/L	0.16---0.40	0.27
Ortho-Phosphate	mg/L	<0.05	<0.05
pH	units	7.6--8.8	8.3
Total Dissolved Solids	mg/L	200---310	270
Total Phosphate (as P)	mg/L	<0.05---0.33	0.08
Sulfate	mg/L	73---140	120

Listed above are regulated and unregulated contaminants detected in the raw water pipeline in 2007.

Terms And Definitions Used In The Above Data Table

Primary Standards--- Mandatory Health-Related Standards

Secondary Standards ---Aesthetic Standards

Oocysts--life cycle stage of a parasitic organism.

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 water.

per 100 ml -- (Per 100 milliliters)--Number of bacterial colonies per one hundred milliliters of a water sample.

ug/L -- Microgram per liter or one part per billion

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

AL -- Stands for "Action Level". Results over the action level require changes in water treatment technique.

< -- Symbol means "less than"

Please contact the Board of Water Works Water Quality Laboratory for any information regarding water quality at (719) 584-0267. Hours are 8:00a.m. - 4:30 p.m. Mon-Fri.