2007 Analyses Results for Pueblo's Treated Water — Table Part I

Parameter	Units	Primary Standard	Secondary Standard	MCL	MCLG	Range of Detection in Pueblo Water	Pueblo Treated Water Average Level
Clarity							
Turbidity	NTU	◆		0.5	0.5	0.04--0.12	0.07
Microbiological							
Total Coliform Bacteria	per 100mL	◆		less than 5% month positive	0	0	0
Fecal Coliform Bacteria	per 100mL	◆		0	0	0	0
Giardia	Oocysts			N/A	0	***N/T	***N/T
Cryptosporidium	Oocysts			N/A	0	***N/T	***N/T
Organic Chemicals							
Total Trihalomethanes ❒ (Disinfection Byproduct)	ug/L	◆		80		5.5---19	9.7
Bromodichloromethane---D5	ug/L				0	1.6---3.8	2.4
Bromoform---D5	ug/L				0	<0.5	<0.5
Chloroform---D5	ug/L				N/A	3.7---12.8	6.6
Dibromochloromethane---D5	ug/L				6	<0.5---1.0	<0.5
Total Volatile Organic Compounds(VOCS)*	ug/L	◆					
Vinyl Chloride	ug/L			2	0	<0.5	<0.5
Benzene	ug/L			5	0	<0.5	<0.5
Carbon Tetrachloride	ug/L			5	0	<0.5	<0.5
1,2-Dichloroethane	ug/L			5	0	<0.5	<0.5
Trichloroethylene	ug/L			5	0	<0.5	<0.5
p-Dichlorobenzene	ug/L			75	75	<0.5	<0.5
1,1-Dichloroethylene	ug/L			7	7	<0.5	<0.5
1,1,1-Trichloroethane	ug/L			200	200	<0.5	<0.5
cis-1,2 Dichloroethylene	ug/L			70	70	<0.5	<0.5
1,2-Dichloropropane	ug/L			5	5	<0.5	<0.5
Ethylbenzene	ug/L			700	700	<0.5	<0.5
Monochlorobenzene	ug/L			100	100	<0.5	<0.5
o-Dichlorobenzene	ug/L			600	600	<0.5	<0.5
Styrene	ug/L			100	100	<0.5	<0.5
Tetrachloroethane	ug/L			5	0	<0.5	<0.5
Toluene	ug/L			1000	1000	<0.5	<0.5
trans-1,2 Dichloroethylene	ug/L			100	100	<0.5	<0.5
Xylenes total	ug/L			10000	10000	<0.5	<0.5
Dichloromethane (methylene chloride)	ug/L			5	0	<0.5	<0.5
1,2,4-Trichlorobenzene	ug/L			70	70	<0.5	<0.5
1,1,2-Trichloroethane	ug/L			5	3	<0.5	<0.5
Haloacetic Acids ❒ (Disinfection Byproduct)	ug/L	◆		60		14---27	20
Bromoacetic acid	ug/L				N/A	<0.4	<0.4
Dibromoacetic acid	ug/L				N/A	<0.4---0.7	<0.4
Dichloroacetic acid	ug/L				0	11---17	13
Monochloroacetic acid	ug/L				N/A	2.2---3.7	2.9
Trichloroacetic acid	ug/L				300	1.8---7.5	4.1
Pesticides		◆					
Aldrin	ug/L			N/A	N/A	<0.01	<0.01
alpha-Chlordane	ug/L			2	2	<0.01	<0.01
Chlordane	ug/L			2	2	<0.2	<0.2
Dieldrin	ug/L			N/A	N/A	<0.01	<0.01
Endrin	ug/L			2	2	<0.01	<0.01
Hexachlorocyclopentadiene	ug/L			50	50	<0.05	<0.05
Heptachlor	ug/L			0.4	0.4	<0.01	<0.01
Heptachlor epoxide	ug/L			0.2	0.2	<0.01	<0.01
Hexachlorobenzene	ug/L			1	0	<0.02	<0.02
Methoxychlor	ug/L			40	40	<0.05	<0.05
Toxaphene	ug/L			3	0	<0.50	<0.50
gamma-Chlordane	ug/L			2	0	<0.01	<0.01
Alachlor	ug/L			2	0	<0.20	<0.20
Atrazine	ug/L			3	3	<0.10	<0.10
Simazine	ug/L			4	4	<0.07	<0.07
PCB-Total	ug/L			0.5	0	<0.1	<0.1
Herbicides		◆					
2,4,-D	ug/L			70	70	<0.10	<0.10
Dicamba	ug/L			N/A	N/A	<0.30	<0.30
Dalapon	ug/L			200	200	<1.0	<1.0
Dinoseb	ug/L			7	7	<0.20	<0.20
Pentachlorophenol	ug/L			1	0	<0.04	<0.04
Picloram	ug/L			500	500	<0.10	<0.10
Silvex	ug/L			50	50	<0.20	<0.20
Carbamate Pesticides		◆					
3-Hydroxycarbofurar	ug/L			N/A	N/A	<0.5	<0.5
Aldicarb	ug/L			3	1	<0.5	<0.5
Aldicarb sulfone	ug/L			2	1	<0.5	<0.5
Aldicarb sulfoxide	ug/L			4	1	<0.5	<0.5
Carbaryl	ug/L			N/A	N/A	<0.5	<0.5
Carbofuran	ug/L			40	40	<0.5	<0.5
Methiocarb	ug/L			N/A	N/A	<0.5	<0.5
Methomyl	ug/L			N/A	N/A	<0.5	<0.5
Oxamyl (Vydate)	ug/L			200	200	<0.5	<0.5
Propoxur	ug/L			N/A	N/A	<0.5	<0.5

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

2007 Analyses Results for Pueblo's Treated Water — Table Part II

Parameters (Cont'd)	Units	Primary Standard	Secondary Standard	MCL	MCLG	Range of Detection in Pueblo Water	Pueblo Treated Water Average Level
Inorganic Chemicals							
Trace Metals							
Aluminum	ug/L		◆	50---200	N/A	12---51	29
Antimony	ug/L	◆		6	6	<0.2	<0.2
Arsenic	ug/L	◆		10	0	0.5---0.8	0.7
Barium	ug/L	◆		2000	2000	46---57	50
Beryllium	ug/L	◆		4	4	<0.1	<0.1
Cadmium	ug/L	◆		5	5	<0.1	<0.1
Chromium	ug/L	◆		100	100	2.4---4.2	3.1
Copper	ug/L	AL		1300	1300	<4.2	<4.2
Iron	ug/L		◆	300	N/A	<4.7	<4.7
Lead	ug/L	AL		15	0	<0.1	<0.1
Manganese	ug/L		◆	50	N/A	1.7---3.6	2.9
Mercury	ug/L	◆		2	2	<0.1	<0.1
Molybdenum	ug/L			N/A	N/A	4.8---6.2	5.5
Nickel	ug/L			N/A	N/A	1.3---2.3	1.2
Selenium	ug/L	◆		50	50	2.8---4.7	4
Silver	ug/L		◆	100	N/A	<0.2	<0.2
Thallium	ug/L	◆		2	0.0005	<0.1	<0.1
Zinc	ug/L		◆	5000	N/A	<3.5---6.7	<3.5
Cations (Salts)							
Calcium	mg/L			N/A	N/A	46---54	51
Magnesium	mg/L			N/A	N/A	11---16	14
Potassium	mg/L			N/A	N/A	1.7---2.7	2.2
Sodium	mg/L			N/A	N/A	14---22	19
Additional Parameters							
Alkalinity (as CaC03)	mg/L			N/A	N/A	78---115	100
Ammonia	mg/L			N/A	N/A	0.23---0.64	0.38
Calcium Hardness (as CaCO3)	mg/L			N/A	N/A	120---220	170
Chlorine (Total Chloramine)	mg/L	◆		4	4	3.0---3.9	3.3
Chloride	mg/L		◆	250	N/A	8---17	14
Conductivity	umho/cm		◆	N/A	N/A	320---510	440
Fluoride	mg/L	◆		4,2**	4	0.52---1.3	0.94
Total Hardness (as CaC03)	mg/L			N/A	N/A	150---240	200
Nitrate (as Nitrogen)	mg/L	◆		10	10	0.18---0.46	0.32
Nitrite (as Nitrogen)	mg/L	◆		1	1	<0.01	<0.01
Total Nitrate and Nitrite (as Nitrogen)	mg/L	◆		10	10	0.18---0.46	0.32
Ortho-Phosphate	mg/L			N/A	N/A	<0.05	<0.05
pH	units		◆	6.5--8.5	N/A	7.2---8.0	7.5
Total Dissolved Solids	mg/L		◆	500	N/A	210---320	280
Total Phosphate (as P)	mg/L			N/A	N/A	<0.05---0.33	0.08
Sulfate	mg/L		◆	250	N/A	90---170	140

Listed above are regulated and unregulated contaminants detected in Pueblo's drinking water in 2007.
All are below regulated levels.

Drinking water produced by the Whitlock Treatment Facility meets all Health and Safety Standards as mandated by the Safe Drinking Water Act and the State of Colorado.

Terms And Definitions Used In The Above Data Table

Primary Standards--- Mandatory Health-Related Standards

Secondary Standards ---Aesthetic Standards

MCL----(Maximum Contaminant Level) -The highest level of a contaminant that is allowed in drinking water. MCL's are set as close to the MCLG's as feasible using the best available treatment technology.

MCLG--(Maximum Contaminant Level Goal) -The level of a contaminant in drinking water below which there is no known or expected risk to health.

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.

Oocysts--life cycle stage of a parasitic organism.

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"
❒ THM and HAA values determined at Average Site, D5 in Distribution System
***--**Total VOC not including TTHM
**-Public Notification Requirement if Fluoride Concentration > 2.0 mg/L.
*** -N/T- "Not Tested" Giardia and Crypto scheduled in 2008

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.