

Test Parameter	MCL	Poudre River, untreated	Horsetooth, untreated	SS#2 (HSPS)	WFCWD Office	Service Center	Poudre Valley Hospital	Drake Terrace	PRPA Bldg
<b>Bacteriology</b>									
Free Chlorine Residual, mg/L	4			0.79	0.34	0.43	0.48	0.64	0.46
Temperature, °C	-	8	8	8	15	14	13	11	14
Quanti-tray, Total Coliform per 100 ml	<1	508	263	0	0	0	0	0	0
Quanti-Tray, <i>E. coli</i> per 100 ml	<1	18	0	0	0	0	0	0	0
Fecal Streptococci per 100 ml		19	2	0					
Heterotrophic Plate Count / 1.0 ml	-	757	42	0	3	2	1	3	2
<b>General Chemistry</b>									
Alkalinity as CaCO <sub>3</sub> , mg/L	-	24.6	28.4	35.9	36.9	36.6	36.4	36.1	36.4
Ammonia-Nitrogen, mg/L	-	<0.02	<0.02	<0.02					
Calcium as CaCO <sub>3</sub> , mg/L	-	19.2	24.0	43.9	45.3	45.0	43.0	44.6	42.4
Color, APHA units	-	18.6	14.7	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Hardness, mg/L Lachas as CaCO <sub>3</sub>	-	25.1	29.8	51.8	52.4	52.1	52.0	51.7	48.9
Langlier Larson Saturation Index	-	-2.0	-2.0	-1.3	-1.1	-1.1	-1.2	-1.2	-1.1
ortho-Phosphate, mg/L	-	<0.005	<0.005	<0.005					
pH	6.5 - 8.5	7.68	7.54	7.93	8.05	8.06	8.02	7.97	8.11
Silica, mg/L	-	9.0	4.6	6.6					
Specific Conductance, µmhos/cm	-	66.7	75.1	125.1	127.1	126.0	126.1	124.9	122.5
Total Dissolved Solids, mg/L	(500)	54	55	74	78	77	79	76	77
Turbidity, NTU	1	5.99	2.56	0.11	0.10	0.12	0.14	0.14	0.13
<b>Inorganic Ions, mg/L</b>									
Chlorate	-			0.04	0.04	0.03	0.04	0.04	0.04
Chloride	250.00	2.07	1.90	3.19					
Chlorite	1.00			0.17	0.17	0.16	0.16	0.15	0.19
Fluoride	4.00	0.16	0.15	0.95	0.96	0.97	0.95	0.96	0.94
Nitrate-Nitrogen	10.00	<0.04	0.08	0.06					
Nitrite-Nitrogen	1.00	<0.04	<0.04	<0.04					
Sulfate	250.00	3.40	3.79	13.8					
<b>Metals, µg/L</b>									
Aluminum by AA	(50-200)	200.5	313.5	68.6	92.4	76.9	88.6	88.4	102.2
Antimony	6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Arsenic	10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Barium	2000	22.0	22.5	20.6	24.2	22.8	22.9	23.2	22.0
Beryllium	4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Cadmium	5	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Chromium	100	<0.5	<0.5	0.6	<0.5	0.7	<0.5	0.6	<0.5
Copper	[1300]	<3.0	3.2	<3.0	28.6	14.5	32.9	7.6	20.5
Iron	(300)	177.5	143.8	20.0	12.4	24.6	24.8	18.7	20.7
Lead	[15]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Manganese	(50)	7.3	4.5	1.2	0.9	0.8	1.3	1.3	1.8
Mercury	2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Molybdenum	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Nickel	-	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Selenium	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Silver	(100)	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
<b>Metals, mg/L</b>									
Calcium by AA	-	6.8	9.3	17.7	17.2	17.3	17.1	19.0	19.5
Magnesium	-	1.9	1.7	1.8	1.8	1.7	1.8	1.9	1.8
Potassium	-	0.8	0.9	0.7	0.8	0.8	0.8	0.8	0.8
Sodium	(20)	2.9	2.8	3.0	3.0	3.0	3.0	3.1	4.4
Zinc	(5)	<0.05	<0.05	0.35	0.84	<0.05	<0.05	<0.05	<0.05
<b>Nutrients</b>									
Total Kjeldahl Nitrogen as N, mg/L	-	0.16	0.20						
Total Phosphorus, mg/L	-	0.03	0.01	0.01					
<b>Total Organic Carbon</b>									
TOC - Sievers, mg/L	-	3.55	3.59	1.69	1.55	1.80	1.58	1.57	1.69
<b>Chlorophyll</b>									
Chlorophyll a, µg/L	-	0.96	1.27						
<b>VOLATILE ORGANIC COMPOUNDS (µg/L)</b>									
Total Trihalomethane	80	<0.4	<0.4	21.5	42.8	38.4	32.7	31.7	39.9
<b>Legend</b>									
mg/L = milligrams per liter or part per million					WFCWD Office - West Fort Collins Water District Office 2711 Overland				
µg/L = micrograms per liter or parts per billion					SS#2 = Sample Station 2, Official Entry Point to Distribution System				
Poudre River = Cache la Poudre River Raw Water at Plant					Service Center = Utilities Service Center, 700 Wood Street				
Horsetooth Res = Horsetooth Reservoir Raw Water at Plant					Poudre Valley Hospital, 1024 Lemay Avenue				
MCL = Maximum Contaminant Level					Drake Terrace = Drake Terrace Business Park, 343 West Drake Road				
() = Secondary Level (asthetic)					PRPA Bldg = Platte River Power Authority Building at Horsetooth and				
[] = 90th %tile Action Level					Timberline				
< = Less Than									