

TEST TYPE	MCL	Poudre River	Horsetooth Reservoir	HTIC	SS#2 (HSPS)	WFCWD Office	Service Center	Poudre Valley Hospital	Drake Terrace	PRPA Bldg	Mission	MRL
BACTERIOLOGY												
Free Chlorine Residual mg/L	4				0.88	0.57	0.42	0.52	0.68	0.56	0.68	
Temperature °C	-	8.3	6.9	8.0	7.5	13.4	14.0	12.2	9.9	12.7	10.7	
Quanti-tray, Total Coliform CFU/100ml	<1	540	194	663	0	0	0	0	0	0	0	
Quanti-Tray, E. Coli CFU/100ml	<1	11	0	22	0	0	0	0	0	0	0	
Fecal Strep CFU/100ml		18	1	10	0							
Heterotrophic Plate Count / 1.0 ml	-	145	38	617	0	0	0	0	0	0	0	
CHEMISTRY												
Alkalinity as CaCO3 mg/L	-	31.4	29.8	19.3	37.0	37.4	37.6	37.6	37.3	38.6	37.2	
Ammonia as N mg/L	-	<0.02	0.02	0.02	<0.02							0.02
Calcium as CaCO3 mg/L	-	22.8	23.8	14.8	41.7	44.4	44.4	43.9	42.4	41.4	43.6	
Color Color Units	-	19.8	11.0	23.3	0.8	0.8	0.8	0.9	0.8	1.0	0.8	
Hardness, Lachat as CaCO3 mg/L	-	32.2	31.6	20.1	52.2	53.3	53.4	53.1	52.1	50.8	52.9	
Langlier Larson Saturation Index	-	-1.73	-2.08	-2.32	-1.33	-1.20	-1.10	-1.17	-1.25	-1.08	-1.27	
ortho-Phosphate mg/L	-	0.006	<0.005	<0.005	<0.005							0.005
pH S.U.	6.5 - 8.5	7.8	7.5	7.6	7.9	8.0	8.0	8.0	7.9	8.1	7.9	
Silica mg/L	-	9.5	1.7	5.2	5.4							
Specific Conductance umhos/cm	-	82	78	55	124	126	126	126	125	125	125	
Total Dissolved Solids mg/L	(500)	60	50	44	73	76	75	74	72	73	75	
Turbidity NTU	1	2.70	1.82	2.81	0.12	0.11	0.20	0.15	0.14	0.27	0.14	
ION CHROMATOGRAPHY (mg/L)												
IC_Chlorate	-				0.03	0.04	0.04	0.04	0.05	0.05	0.04	0.02
IC_Chloride	250.00	2.09	2.78	2.64	3.62							1.00
IC_Chlorite	1.00				0.18	0.17	0.17	0.17	0.18	0.21	0.17	0.02
IC_Fluoride	4.00	0.16	0.14	0.15	0.72	0.72	0.73	0.72	0.73	0.70	0.72	0.04
IC_Nitrate	10.00	0.11	0.06	0.07	0.07							0.04
IC_Nitrite	1.00	<0.04	<0.04	<0.04	<0.04							0.04
IC_Sulfate	250.00	<5	<5	<5	14.0							5.00
METALS (µg/L) by ICP-MS												
Aluminum	(50-200)	732	71	518	33	27	30	30	31	30	30	10.0
Antimony	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Arsenic	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Barium	2000	23	18	22	17	17	17	17	17	17	17	10.0
Beryllium	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Cadmium	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Chromium	100	1.6	<1.0	1.9	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Copper	[1300]	<1.0	1.2	1.2	<1.0	30.3	18.2	25.2	4.9	14.1	11.1	1.0
Iron	(300)	149	36	187	11	11	38	13	12	21	11	1.0
Lead	[15]	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Manganese	(50)	2.8	14.5	5.3	1.3	1.0	2.8	1.5	1.3	1.8	1.2	1.0
Mercury by CVA	2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.2
Molybdenum	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Nickel	-	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Selenium	50	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.0
Silver	(100)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Thallium	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.0
Zinc	(5)	<10.0	<10.0	14.8	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.0
METALS (mg/L) by ICP-MS												
Calcium	-	8.7	9.5	6.1	16.8	17.4	17.5	17.2	16.9	16.5	17.3	0.2
Magnesium	-	2.3	1.8	1.6	2.1	2.0	2.0	2.1	2.0	2.1	2.1	0.1
Potassium	-	0.9	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.1
Sodium	(20)	3.8	3.0	3.0	3.5	3.5	3.5	3.6	3.7	4.6	3.4	0.2
NUTRIENTS (mg/L)												
Total Kjeldahl Nitrogen as N	-	0.20	0.23	0.26								0.10
Total Phosphorus	-	0.02	0.02	0.02	<0.01							0.01
Organic Compounds												
Total Organic Carbon, mg/L	-	3.70	3.70	4.42	1.84	1.73	1.76	1.71	1.76	1.78	1.73	0.5
Chlorophyll a, mg/L	-	0.83	4.67	5.03								
Total Trihalomethanes, µg/L	80	<0.5	<0.5	<0.5	18.0	29.4	26.8	29.9	24.7	31.5	24.0	0.5

Legend:

mg/L = milligrams per liter or part per million
 ug/L = micrograms per liter or parts per billion
 Poudre River = Cache la Poudre River Raw Water at Plant
 Horsetooth Reservoir = Horsetooth Reservoir Raw Water at Plant
 HTIC = Horsetooth Inlet Canal
 MCL = Maximum Contaminant Level
 () = Secondary Level (asthetic)
 [] = 90th %tile Action Level
 < = Less Than

WFCWD Office = West Fort Collins Water District Office 2711
 SS#2 = Sample Station 2, Official Dist. System Entry Point
 Service Center = Utilities Service Center, 700 Wood Street
 Poudre Valley Hospital = Poudre Valley Hospital, 1024 Lemay
 Drake Terrace = Drake Terrace Business Park, 343 West
 PRPA Bldg = Platte River Power Authority Building at
 Horsetooth and Timberline
 Mission = Cathoic Charities Northern Mission, 460 Linden Center Drive
 MRL = Minimum Reporting Level