

City of Healdsburg Recycled Water Quality

	Ammonia Nitrogen Total mg/L	Nitrate mg/L	Nitrite mg/L	Organic Nitrogen Total mg/L	Sodium mg/L	Chloride mg/L	Boron mg/L	TDS mg/L
2017								
July	< 0.1	4.4	< 0.02	< 1.0	58	64	0.33	376
August	< 0.1	4.5	< 0.02	< 1.0	66	62	0.43	312
September	< 0.1	1.8	< 0.02	< 1.0	84	71	0.4	410
2018								
July	< 0.1	1.1	< 0.02	2.1	79	80	0.53	478
August	< 0.1	0.1	< 0.02	< 1.0	86	81	0.59	374
September	< 0.1	0.1	< 0.02	1.1	84	86	0.57	436
2019								
July	< 0.1	2	< 0.02	2.0	74	84	0.39	418
August	< 0.1	0.34	< 0.02	2.1	72	76	0.40	358
September	< 0.1	1.2	< 0.02	1.7	81	81	0.40	438
2020								
July	< 0.1	2	< 0.02	< 1.0	75	75	0.54	438
August	< 0.1	1.4	< 0.02	1.1	77	73	0.50	462
September	< 0.1	1.2	< 0.05	0.8	85	75	0.65	468
2021								
April	< 0.1	1.2	0.06	1.2	84	68	0.53	372
May	< 0.1	4	0.05	< 1.0	73	77	0.59	394
June	< 0.1	2.1	0.05	< 1.0	90	88	0.47	442
July	< 0.1	1.8	0.05	1.1	95	98	0.46	454
August	< 0.1	2	0.05	1.1	100	98	0.45	498
September	< 0.1	0.65	0.05	1.1	90	94	0.51	462

Primary Drinking Water Standards									
Microbiology									
Constituent	Drinking Water Standard	Units	Healdsburg Drinking Water ⁴	Healdsburg Recycled Water ⁴	Windsor Drinking Water ⁴	Windsor Recycled Water ⁴	Santa Rosa Drinking Water ⁴	Santa Rosa Recycled Water ⁴	
Total Coliform Bacteria ²	5% ³	MPN/100 mL	< 1	< 2	< 1	< 2	< 1	< 2	
Disinfection Byproducts									
Constituent	Drinking Water Standard	Units	Healdsburg Drinking Water ⁴	Healdsburg Recycled Water ⁴	Windsor Drinking Water ⁴	Windsor Recycled Water ⁴	Santa Rosa Drinking Water ⁴	Santa Rosa Recycled Water ⁴	
Total Trihalomethanes	80	ppb	20	< 0.5	NA	NA	19.3	NA	
Inorganic Chemicals									
Constituent	Drinking Water Standard	Units	Healdsburg Drinking Water ⁴	Healdsburg Recycled Water ⁴	Windsor Drinking Water ⁴	Windsor Recycled Water ⁴	Santa Rosa Drinking Water ⁴	Santa Rosa Recycled Water ⁴	
Aluminum ⁵	1000	ppb	< 50	330	< 50	50	NA	NA	
Antimony	6	ppb	< 6	< 0.5	< 6	< 6	NA	< 0.50	
Arsenic	10	ppb	< 2	< 0.2	< 2	< 2	NA	< 2	
Asbestos	7	MF/L	< 1	< 1	< 1	< 1	NA	NA	
Barium	1000	ppb	116	9.5	140	< 100	NA	NA	
Beryllium	4	ppb	< 1	< 0.1	< 1	< 1	NA	< 1	
Cadmium	5	ppb	< 1	0.1	< 1	< 1	NA	< 1	
Chromium	50	ppb	< 1	1.2	< 1	< 1	NA	0.55	
Copper	1	ppm	0.76	0.0085	< 0.05	< 0.02	0.088	0.007	
Fluoride ⁵	2	ppm	0.83	0.68	0.14	0.21	0.2	NA	
Lead	15	ppb	< 5	< 2	< 5	< 2	3.6	< 2	
Mercury	2	ppb	< 1	< 0.02	< 1	< 1	NA	0.00156	
Nickel	100	ppb	< 10	< 10	< 10	< 10	NA	3.9	
Nitrate (as N)	10	ppm	0.58	3.7	1.7	15	< 1	10.8	
Total Nitrate/Nitrite (as N)	10	ppm	0.58	3.7	1.7	15	< 1	11	
Selenium	50	ppb	< 5	< 5	< 5	< 5	NA	< 2.0	
Thallium	2	ppb	< 1	< 1	< 1	< 1	NA	< 1	
Secondary Drinking Water Standards									
Constituent	Drinking Water Standard	Units	Healdsburg Drinking Water ⁴	Healdsburg Recycled Water ⁴	Windsor Drinking Water ⁴	Windsor Recycled Water ⁴	Santa Rosa Drinking Water ⁴	Santa Rosa Recycled Water ⁴	
Aluminum ⁵	200	ppb	< 50	74	< 50	50	NA	NA	
Chloride	250	ppm	8.3	61	7.9	84	26.2	63.6	
Color	15	CU	< 5	80	3	10	NA	NA	
Fluoride ⁵	2	ppm	0.83	0.87	0.14	0.21	0.2	NA	
Foaming Agents (MBAS)	500	ppb	< 50	< 50	< 50	< 50	NA	NA	
Iron	300	ppb	< 100	NA	< 100	< 100	NA	95	
Manganese	50	ppb	26	NA	< 20	< 20	3.7	24.7	
Methyl-tert-butyl ether (MTBE)	5	ppb	< 0.5	< 0.5	NA	NA	NA	< 0.5	
Odor	3	TON	< 1	5	< 1	3	NA	NA	
pH	6.5-8.5	SU	7.1	7.0	7.2	7.4	7.3	7.5	
Silver	100	ppb	< 10	< 2	< 10	< 5	NA	< 0.25	
Sulfate	250	ppm	16.5	27	16	63	< 0.5	34	
Turbidity	5	NTU	0.05	0.05	0.43	0.38	0.3	0.5	
Zinc	5000	ppb	< 50	< 50	< 50	58	< 10	31	
Total Dissolved Solids	500	ppm	170	400	180	460	360	443	
Specific Conductance	900	µS/cm	302	690	360	790	NA	750	

¹ Definitions and Abbreviations

Primary Drinking Water Standards - Legally enforceable standards applied to public water systems to protect public health by limiting levels of contaminants.
 Secondary Drinking Water Standard - Non-enforceable guidelines regulating contaminants that may cause undesirable aesthetic and cosmetic effects.
 MCL - Maximum Contaminant Level CU - Color Units SU - Standard Units P/A - Present or Absent
 NTU - Nephelometric Turbidity Units TON - Threshold Odor Number MF/L - million fibers per liter NA - Not Available
 ppb - parts per billion (equivalent to micrograms per liter) µS/cm - microsiemens per centimeter
 ppm - parts per million (equivalent to milligrams per liter)

² Regulatory requirements define different analytical methods with different detection limits for the measurement of coliform bacteria in drinking water and recycled water. Healdsburg's recycled water and drinking water are both routinely free of bacterial contamination.
³ Present in less than 5% of samples collected in a month or no more than one positive sample per month if less than 40 samples are analyzed.
⁴ Values for constituents not detected in the analysis are reported as less than (<) the detection limit of the analytical method.
⁵ Constituent is listed as a primary drinking water contaminant by the state of California and federally as a secondary drinking water contaminant.