

**Recycled Water Quality Information for the San Jose/Santa Clara Water Pollution Control Plant  
2022**

Water Quality Parameter	Yearly Average	Standard Deviation	Minimum Level	Maximum Level	Jan-Feb Average	Mar-Apr Average	May-Jun Average	Jul-Aug Average	Sep-Oct Average	Nov-Dec Average	Sample Frequency
<b>General Parameters</b>											
Alkalinity (Total as CaCO <sub>3</sub> ), mg/L	132	5.2	112	182	126	135	128	134	130	141	Weekly
Ammonia (as Nitrogen), mg/L	2.0	0.2	1.5	2.7	2.2	2.1	1.9	1.7	1.7	2.2	Monthly
Bicarbonate (HCO <sub>3</sub> ), mg/L	132	5.2	112	182	126	135	128	134	130	141	Weekly
Biological Oxygen Demand, mg/L	1.4	0.1	0.7	2.6	1.3	1.3	1.6	1.4	1.4	1.4	Weekly
Conductivity, umhos/cm @ 25C	945	60	797	1,340	844	918	929	1,010	975	984	Weekly
Hardness (as CaCO <sub>3</sub> ), mg/L	162	10.1	133	257	157	157	156	169	155	180	Weekly
Nitrate (as Nitrogen), mg/L	7,000	1,410	2,150	12,000	6,960	6,740	6,980	6,810	5,070	9,480	Monthly
Nitrite (as Nitrogen), mg/L	0.14	0.21	0.03	0.73	0.57	0.1	0.06	0.04	0.04	0.05	Monthly
Permeability SAR [calculated]	4.1	0.3	3.5	4.6	3.6	4.0	4.1	4.2	4.4	4.2	Monthly
pH (units)	7.5	0.1	7.3	7.8	7.5	7.6	7.5	7.5	7.4	7.4	Daily
Temperature, degrees Fahrenheit	72.4	4.7	62.4	81.5	66.7	69.6	74.5	77.8	76.9	68.2	Daily
Total Coliform Count, MPN/100ml	<4	NA	<1	270	<1	<2	<11	<6	<1	<1	Daily
Total Dissolved Solids, mg/L	530	35	450	776	473	519	514	572	544	555	Weekly
Total Residual Chlorine, mg/L	<5.3	NA	<2.0	8.4	<3.6	5.5	5.6	5.8	5.3	5.9	Daily
Total Suspended Solids, mg/L	<0.9	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	Weekly
Turbidity, NTU	0.4	0.1	0.3	0.8	0.5	0.5	0.5	0.4	0.4	0.4	Daily
<b>Chemical Parameters</b>											
Arsenic (As), ug/L	<0.6	NA	<1.0	1.0	0.5	0.5	0.5	<0.5	0.7	0.7	Monthly
Boron (B), ug/L	<442	NA	<500	907	368	384	409	<406	421	664	Monthly
Cadmium (Cd), ug/L	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Monthly
Calcium (Ca), ug/L	33,400	4,030	29,000	50,900	29,500	31,900	30,600	32,500	35,900	40,400	Monthly
Chloride (Cl), ug/L	151,000	27,700	53,800	228,000	143,000	152,000	153,000	170,000	103,000	184,000	Monthly
Total Chromium (Cr), ug/L	<0.6	NA	<0.5	1.6	<0.5	<0.5	<0.5	<1.1	<0.5	<0.7	Monthly
Copper (Cu), ug/L	<1.7	NA	1.1	2.5	2.2	2.4	1.5	<1.4	1.3	1.5	Monthly
Iron (Fe), ug/L	<96.9	NA	<500	<100	<100	<100	<100	<100	<100	<100	Monthly
Lead (Pb), ug/L	<0.1	NA	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2	Monthly
Magnesium (Mg), ug/L	20,800	2,200	18,300	31,100	19,000	20,200	19,000	19,900	22,000	24,700	Monthly
Mercury (Hg), ug/L	<0.0008	NA	<0.0005	0.0014	0.0009	<0.0006	0.0006	0.0010	0.0009	0.0007	Monthly
Nickel (Ni), ug/L	3.3	0.4	2.5	5.0	2.8	3.7	3.2	2.9	3.2	3.8	Monthly
Phosphate (PO <sub>4</sub> ), ug/L	765	552	255	3,210	565	670	264	471	794	1,830	Monthly
Potassium (K), ug/L	12,600	1,510	10,000	18,000	10,300	12,000	12,000	13,100	14,000	14,400	Monthly
Silicon (Si), ug/L	6,760	738	5,760	9,390	5,940	6,520	6,280	6,500	7,690	7,670	Monthly
Silver (Ag), ug/L	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	Monthly
Sodium (Na), ug/L	122,000	13,400	98,300	167,000	103,000	117,000	117,000	124,000	136,000	139,000	Monthly
Sulfate (SO <sub>4</sub> ), ug/L	63,100	11,000	21,400	95,100	61,400	68,400	61,200	68,900	43,600	75,400	Monthly
Zinc (Zn), ug/L	<11.8	NA	8.7	19.5	9.9	10.4	10.6	<11.6	13	15.1	Monthly
<b>Other</b>											
Dissolved Oxygen, mg/L	7.6	0.3	6.5	8.8	8.0	7.8	7.5	7.3	7.5	7.7	Daily
Ortho Phosphate, mg/L	<443	NA	<100	3,400	170	312	<117	337	684	1,040	Weekly

NA = Not Available  
 MPN = Most Probable Number  
 SAR =  $[Na+] / \sqrt{([Ca^{++}] + [Mg^{++}]) / 2}$

NTU = Nephelometric Turbidity Units (measure of the suspended material in water)  
 mg/L = Milligrams per Liter (parts per million)  
 ug/L = Micrograms per Liter (parts per billion)