

**Recycled Water Quality Information for the San Jose/Santa Clara Water Pollution Control Plant
2023**

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
General Parameters											
Alkalinity (Total as CaCO3), mg/L	143	6.8	127	171	138	152	140				Weekly
Ammonia (as Nitrogen), mg/L	1.7	0.1	1.6	1.9	1.7	1.8	1.7				Monthly
Bicarbonate (HCO3), mg/L	143	6.8	127	171	138	152	140				Weekly
Biological Oxygen Demand, mg/L	1.5	0.2	0.4	2.5	1.2	1.6	1.6				Weekly
Conductivity, umhos/cm @ 25C	880	28	813	1,130	868	859	911				Weekly
Hardness (as CaCO3), mg/L	177	4.2	150	227	179	181	173				Weekly
Nitrate (as Nitrogen), mg/L	6,810	1,030	5,040	8,440	5,970	6,490	7,960				Monthly
Nitrite (as Nitrogen), mg/L	0.07	0.05	0.03	0.18	0.03	0.12	0.07				Monthly
Permeability SAR [calculated]	3.4	0.2	3.1	3.7	3.3	3.4	3.6				Monthly
pH (units)	7.4	0	7.3	7.6	7.4	7.4	7.4				Daily
Temperature, degrees Fahrenheit	67.8	3.9	61.5	75	64.8	66.3	72.1				Daily
Total Coliform Count, MPN/100ml	<3	NA	<1	240	<1	<1	<7				Daily
Total Dissolved Solids, mg/L	494	17	450	660	481	487	513				Weekly
Total Residual Chlorine, mg/L	<5.0	NA	<2.0	8.7	5.4	4.3	<5.4				Daily
Total Suspended Solids, mg/L	<0.9	NA	<1.0	<1.0	<1.0	<1.0	<1.0				Weekly
Turbidity, NTU	0.4	0.1	0.3	0.6	0.4	0.5	0.5				Daily
Chemical Parameters											
Arsenic (As), ug/L	0.5	0	0.4	0.6	0.5	0.5	0.5				Monthly
Boron (B), ug/L	397	11	382	422	406	401	385				Monthly
Cadmium (Cd), ug/L	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1				Monthly
Calcium (Ca), ug/L	32,000	2,190	30,000	35,200	31,500	34,400	30,100				Monthly
Chloride (Cl), ug/L	128,000	6,000	116,000	138,000	122,000	128,000	134,000				Monthly
Total Chromium (Cr), ug/L	<0.5	NA	<0.5	<0.5	<0.5	<0.5	<0.5				Monthly
Copper (Cu), ug/L	1.3	0.2	1.1	2.0	1.2	1.4	1.5				Monthly
Iron (Fe), ug/L	<100	NA	<100	<100	<100	<100	<100				Monthly
Lead (Pb), ug/L	<0.1	NA	<0.1	0.2	<0.1	0.1	0.2				Monthly
Magnesium (Mg), ug/L	22,200	2,200	19,600	25,500	22,200	24,400	20,000				Monthly
Mercury (Hg), ug/L	0.0007	0.0001	0.0006	0.0009	0.0008	0.0007	0.0007				Monthly
Nickel (Ni), ug/L	3.3	0.2	2.9	3.7	3.2	3.2	3.5				Monthly
Phosphate (PO4), ug/L	603	240	301	1,390	367	595	846				Monthly
Potassium (K), ug/L	10,100	606	8,070	11,600	9,840	9,680	10,800				Monthly
Silicon (Si), ug/L	6,170	342	5,690	6,790	5,950	6,570	6,010				Monthly
Silver (Ag), ug/L	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1				Monthly
Sodium (Na), ug/L	103,000	4,070	93,200	106,000	98,500	106,000	105,000				Monthly
Sulfate (SO4), ug/L	67,500	3,840	59,600	74,000	65,400	71,900	65,100				Monthly
Zinc (Zn), ug/L	10.6	1.4	8.2	13.9	10.2	9.5	12.2				Monthly
Other											
Dissolved Oxygen, mg/L	8.0	0.3	6.9	9.0	8.3	8.0	7.7				Daily
Ortho Phosphate, mg/L	<450	NA	<100	5,180	<855	<310	<230				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)