

**Recycled Water Quality Information for the San Jose/Santa Clara Water Pollution Control Plant
2019**

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 CaCO ₃), mg/L	124	0	106	159	124						Weekly
Ammonia (as Nitrogen), mg/L	1.9	0	1.8	1.9	1.9						Monthly
Bicarbonate (HCO ₃), mg/L	124	0	106	159	124						Weekly
Biological Oxygen Demand, mg/L	1.1	0	0.9	1.3	1.1						Weekly
Conductivity, umhos/cm	847	0	813	881	847						Weekly
Hardness (as CaCO ₃), mg/L	162	0	149	175	162						Weekly
Nitrate (as Nitrogen), mg/L	7.5	0	6.0	9.0	7.5						Monthly
Nitrite (as Nitrogen), mg/L	0.07	0	0.07	0.07	0.07						Monthly
Permeability SAR [calculated]	3.7	0	3.4	3.9	3.7						Monthly
pH (units)	7.6	0	7.4	7.9	7.6						Daily
Temperature, degrees Fahrenheit	66.1	0	62.8	69.1	66.1						Daily
Total Coliform Count, CFU/100ml	<1	NA	<1	<1	<1						Daily
Total Dissolved Solids, mg/L	471	0	444	500	471						Weekly
Total Residual Chlorine, mg/L	5.0	0	2.4	6.8	5.0						Daily
Total Suspended Solids, mg/L	<1.0	NA	<1.0	<1.0	<1.0						Weekly
Turbidity, NTU	0.4	0	0.3	0.5	0.4						Daily
Chemical Parameters											
Arsenic (As), ug/L	0.5	0	0.5	0.6	0.5						Monthly
Boron (B), ug/L	334	0	316	351	334						Monthly
Cadmium (Cd), ug/L	<0.1	NA	<0.1	<0.1	<0.1						Monthly
Calcium (Ca), ug/L	27,900	0	27,100	28,700	27,900						Monthly
Chloride (Cl), ug/L	141,000	0	125,000	157,000	141,000						Monthly
Total Chromium (Cr), ug/L	0.2	0	0.2	0.2	0.2						Monthly
Copper (Cu), ug/L	1.4	0	1.2	1.6	1.4						Monthly
Iron (Fe), ug/L	<100	NA	<100	<100	<100						Monthly
Lead (Pb), ug/L	0.1	0	0.1	0.1	0.1						Monthly
Magnesium (Mg), ug/L	20,300	0	19,800	20,800	20,300						Monthly
Mercury (Hg), ug/L	0.0006	0.0000	0.0006	0.0007	0.0006						Monthly
Nickel (Ni), ug/L	2.2	0	2.0	2.5	2.2						Monthly
Phosphate (PO ₄), ug/L	807	0	613	1,000	807						Monthly
Potassium (K), ug/L	10,700	0	10,400	11,000	10,700						Monthly
Silicon (Si), ug/L	5,470	0	5,410	5,530	5,470						Monthly
Silver (Ag), ug/L	<0.1	NA	<0.1	<0.1	<0.1						Monthly
Sodium (Na), ug/L	104,000	0	97,700	110,000	104,000						Monthly
Sulfate (SO ₄), ug/L	53,700	0	51,100	56,300	53,700						Monthly
Zinc (Zn), ug/L	8.1	0	5.8	10.4	8.1						Monthly
Other											
Dissolved Oxygen, mg/L	8.2	0	7.8	8.8	8.2						Daily
Ortho Phosphate, mg/L	0.4	0	0.2	1.0	0.4						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)