

**Recycled Water Quality Information for the San Jose/Santa Clara Water Pollution Control Plant  
2018**

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	125	6.5	106	152	116	125	126	133			Weekly
Ammonia (as Nitrogen), mg/L	1.9	0.3	1.4	2.7	2.3	2.1	1.5	2.0			Monthly
Bicarbonate (HCO <sub>3</sub> ), mg/L	125	6.5	106	152	116	125	126	133			Weekly
Biological Oxygen Demand, mg/L	1.2	0.2	0	2.2	1.0	1.1	1.4	1.2			Weekly
Conductivity, umhos/cm	921	147	710	1,220	787	821	960	1,110			Weekly
Hardness (as CaCO <sub>3</sub> ), mg/L	175	14.7	152	214	168	161	175	195			Weekly
Nitrate (as Nitrogen), mg/L	9.4	0.7	8.0	10.8	8.6	9.0	10.1	9.7			Monthly
Nitrite (as Nitrogen), mg/L	0.1	0.08	0.02	0.24	0.22	0.06	0.07	0.05			Monthly
Permeability SAR [calculated]	3.7	0.5	3.2	4.5	3.3	3.3	3.9	4.4			Monthly
pH (units)	7.6	0.2	7.2	8.2	7.8	7.7	7.5	7.5			Daily
Temperature, degrees Fahrenheit	71.5	4.2	64.2	77.5	67.4	68.7	73.1	76.5			Daily
Total Coliform Count, CFU/100ml	<1	NA	<1	40	<1	<1	<2	<1			Daily
Total Dissolved Solids, mg/L	521	95	390	712	436	463	530	649			Weekly
Total Residual Chlorine, mg/L	5.7	0.6	2.5	8.0	5.1	5.4	5.7	6.4			Daily
Total Suspended Solids, mg/L	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0			Weekly
Turbidity, NTU	0.4	0.1	0.2	0.8	0.4	0.4	0.5	0.5			Daily
<b>Chemical Parameters</b>											
Arsenic (As), ug/L	0.6	0.2	0.4	0.7	0.4	0.5	0.7	0.7			Monthly
Boron (B), ug/L	364	23.2	319	411	345	364	351	397			Monthly
Cadmium (Cd), ug/L	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			Monthly
Calcium (Ca), ug/L	32,600	2,940	28,400	38,000	31,400	30,300	31,800	36,900			Monthly
Chloride (Cl), ug/L	150,000	39,200	110,000	203,000	117,000	123,000	160,000	202,000			Monthly
Total Chromium (Cr), ug/L	0.3	0.1	0.3	0.4	0.3	0.3	0.3	0.4			Monthly
Copper (Cu), ug/L	1.7	0.1	1.4	2.2	1.8	1.7	1.7	1.6			Monthly
Iron (Fe), ug/L	<100	NA	<100	<100	<100	<100	<100	<100			Monthly
Lead (Pb), ug/L	<0.1	NA	<0.1	0.1	<0.1	<0.1	<0.1	<0.1			Monthly
Magnesium (Mg), ug/L	22,300	2,580	19,700	27,100	20,800	20,500	22,000	26,100			Monthly
Mercury (Hg), ug/L	0.0007	0.0001	0.0006	0.0009	0.0006	0.0006	0.0006	0.0008			Monthly
Nickel (Ni), ug/L	2.8	0.4	2.4	3.5	2.4	2.6	3.1	3.3			Monthly
Phosphate (PO <sub>4</sub> ), ug/L	690	312	315	1,790	459	1,100	767	435			Monthly
Potassium (K), ug/L	11,200	1,900	9,000	13,900	10,100	9,550	11,500	13,800			Monthly
Silicon (Si), ug/L	6,300	864	5,180	7,620	6,040	5,510	6,120	7,530			Monthly
Silver (Ag), ug/L	<0.1	NA	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1			Monthly
Sodium (Na), ug/L	113,000	22,600	91,800	145,000	96,100	96,400	117,000	144,000			Monthly
Sulfate (SO <sub>4</sub> ), ug/L	61,600	9,060	49,600	74,300	51,800	58,800	62,600	73,500			Monthly
Zinc (Zn), ug/L	11.3	1.8	9.4	14	9.9	9.6	12.9	12.9			Monthly
<b>Other</b>											
Dissolved Oxygen, mg/L	7.8	0.3	6.7	8.4	8.1	7.9	7.7	7.4			Daily
Ortho Phosphate, mg/L	0.6	0.3	0.2	2.3	0.8	0.8	0.3	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)