

Recycled Water Quality Report

Environmental Services Department
City of Sunnyvale



Sampling Date	Anions					Cations			Water Quality Parameters							
	Chloride (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Nitrate (mg/L)	Phosphate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Cond. (dS/m)	Hardness (mg/l as CaCO ₃)	Alkalinity (mg/l as CaCO ₃)	Salinity (g/L)	Boron (mg/L)	Ammonia (mg/L)	pH (s.u.)
05/13/18	435	163	116	9	3.3	56	46	316	1,132	2.0	312	163	1.0	0.4	<1	7.8
06/04/18	588	161	117	13	5.3	61	60	381	1,522	2.5	368	161	1.3	0.4	<0.1	7.8
07/16/18	577	177	112	17	8.3	35	31	168	1,530	2.5	372	177	1.2	0.2	<0.1	7.5
08/06/18	480	180	91	13	5.3	61	54	340	1,404	2.3	352	180	1.1	0.4	<0.1	7.8
09/04/18	440	180	92	11	5.9	62	53	339	1,264	2.0	352	180	1.0	0.4	<0.1	7.6
10/10/18	397	136	102	18	5.9	61	47	266	1,192	2.0	308	136	1.0	0.4	<0.1	7.4
07/24/19	388	174	83	16	5.9	63	48	268	1,146	1.8	308	174	0.9	0.5	<0.1	7.9
08/01/19	434	164	94	18	8.0	68	56	316	1,254	2.0	320	164	1.0	0.5	<0.1	7.6
09/03/19	452	164	99	11	4.8	62	50	300	1,210	2.0	316	164	1.0	0.4	<0.1	7.6
10/03/19	430	174	102	13	3.8	59	47	278	1,364	2.0	NA	174	1.0	0.4	0.4	7.5
11/13/19	324	114	95	23	4.9	59	42	225	1,012	1.7	NA	114	0.8	0.4	<0.1	7.1
04/14/20	322	154	87	8	2.6	60	43	224	908	1.5	272	154	0.7	0.4	<0.1	7.9
05/11/20	368	158	95	12	4.2	63	47	242	776	1.6	308	158	0.8	0.4	<0.1	7.2
06/02/20	355	154	88	12	6.0	58	46	241	1,010	1.5	280	154	0.7	0.4	<0.1	7.6
06/21/21	318	168	118	13	4.3	57	43	220	976	1.6	308	168	0.8	0.5	<0.1	7.4
07/06/21	321	158	115	16	5.4	56	42	210	1,084	1.7	316	158	0.8	0.5	<0.1	7.4
08/30/21	310	182	92	10	4.2	58	38	195	976	1.6	296	182	0.8	0.4	<0.1	7.9
09/14/21	309	176	89	11	6.6	67	45	227	946	1.6	300	176	0.8	0.5	<0.1	7.4
10/04/21	290	202	98	23	6.8	64	40	201	918	1.5	310	202	0.7	0.4	1.8	7.1

Annual Averages

Year	Chloride (mg/L)	Bicarbonate (mg/L)	Sulfate (mg/L)	Nitrate (mg/L)	Phosphate (mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Sodium (mg/L)	TDS (mg/L)	Cond. (dS/m)	Hardness (mg/l as CaCO ₃)	Alkalinity (mg/l as CaCO ₃)	Salinity (g/L)	Boron (mg/L)	Ammonia (mg/L)	pH (s.u.)
2018	486	166	105	13	5.7	56	48	302	1,341	2.2	344	166	1.1	0.3	<0.3	7.6
2019	406	158	94	16	5.5	62	48	277	1,197	1.9	315	158	0.9	0.4	<0.2	7.5
2020	348	155	90	11	4.3	61	45	236	898	1.5	287	155	0.7	0.4	<0.1	7.6
2021	310	177	102	14	5.4	60	42	211	980	1.6	306	177	0.8	0.5	<0.4	7.4