

Table 1. North San Jose/Alviso Service Area (SFPUC Water Supply)

Parameter	Unit	MCL (MRDL) [NL]	PHG (MCLG) [MRDLG]	Range	Average	Typical Sources in Drinking Water		
MICROBIOLOGICAL								
Total Coliform ¹	% of positive samples per month	5	(0)	0	0	Naturally present in the environment		
INORGANIC CHEMICALS								
Aluminum	ppb	1000	600	6-70	38	Erosion of natural deposits		
Boron	ppb	[1000]	none	16-168	73	Erosion of natural deposits		
Chlorine Residual ¹	ppm	(4)	[4]	1.00-3.00	2.24	Added for disinfection		
Fluoride ²	ppm	2	1	0.72-1.2	1	Erosion of natural deposits, water additive		
ORGANIC CHEMICALS								
Total Trihalomethanes ¹	ppb	80	none	34.9-56.0	44.3	By-product of drinking water chlorination		
Total Haloacetic Acids ¹	ppb	60	none	2.0-27.0	18.6	By-product of drinking water chlorination		
Total Organic Carbon	ppm	NS	none	0.9-3.0	2.3	Various natural and manmade sources		
LEAD AND COPPER RULE								
	Unit	AL	PHG (MCLG)	Range	90th Percentile	# Samples Collected	# Samples Exceed AL	Typical Sources in Drinking Water
Lead ³	ppb	15	2	ND-11	1.2	30	0	Corrosion of household water plumbing
Copper ³	ppb	1300	170	ND-510	78	30	0	Corrosion of household water plumbing; service connection piping
AESTHETICS								
	Unit	Secondary MCL		Range	Average	Typical Sources in Drinking Water		
Chloride	ppm	500		<3-25	9	Runoff/leaching of natural deposits		
Color ¹	CU	15		5-5	5	Naturally-occurring organic material		
Odor ¹	TON	3		1-1	1	Naturally-occurring organic material		
Specific Conductance	µS/cm	1600		25-435	155	Substances forming ions in water/seawater influence		
Sulfate	ppm	500		1-42	19	Runoff/leaching from natural deposits; industrial waste		
Total Dissolved Solids	ppm	1000		20-210	116	Runoff/leaching of natural deposits		
TURBIDITY								
	Unit	TT	% of samples <0.3 NTU (Range)		Highest level	Typical Sources in Drinking Water		
Hetch Hetchy	NTU	5	(0.25-1.00) ⁴		1.74	Soil runoff		
Sunol Valley Water Treatment Plant	NTU	95% of samples <0.3 NTU	100%		0.27	Soil runoff		

Table 2. Other Constituents Not Regulated

Parameter	Unit	Secondary MCL	NSJ/Alviso	
			Range	Average
Hardness (as CaCO ₃)	ppm	NS	8-150	56
pH	Units	NS	7.6-9.8	8.9
Potassium	ppm	NS	<0.5-1.4	0.8
Sodium	ppm	NS	3-26	15

NOTES:

1. Distribution data in 2005
2. Fluoridation began in November 2005. The average shown is for the last two months of 2005. The natural Fluoride level in source water averaged 0.1 ppm.
3. Distribution data in 2004
4. Turbidity is measured every four hours. These are monthly average turbidity values.

ABBREVIATIONS:

- ND – Not Detected
- NS – No Standard
- NA – Not applicable
- NL - Notification Level
- AL- Action Level
- CU- Color Unit

TON- Threshold Odor Number

NTU – Nephelometric Turbidity Units (measurement of suspended material in water)

ppm – parts-per-million (1 ppm equals 1 milligram per liter (mg/L))

ppb – parts-per-billion (1 ppb equals 1 microgram per liter (µg/L))

< - less than

µS/cm – microSiemens per centimeter