

PRIMARY DRINKING WATER STANDARDS — Public Health-Related Standards

Parameter	Unit	MCL	PHG	Evergreen (Valley Water Treated Water)		Evergreen (Groundwater)		Edenvale* (Groundwater)		Coyote Valley** (Groundwater)		North San José/ Alviso (SFPUC Treated Water)		North San José/ Alviso (Groundwater)		Typical Source
		(MRDL) [AL]	(MCLG) [MRDLG]	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	
INORGANIC CHEMICALS																
Barium	ppm	1	2	ND	ND	0.2 ^a	0.1 - 0.2	0.1 ^a	0.1 - 0.2	0.1 ^a	ND - 0.1	ND	ND	0.2 ^a	0.2 - 0.2	1
Chromium (VI)	ppb	10	0.02	ND	ND	5.0 ^a	3.1 - 6.1	5.4 ^a	3.8 - 7.4	4.7 ^a	4.6 - 4.8	0.1	ND - 0.1	ND	ND	9
Fluoride	ppm	2	1	0.8	0.6 - 0.9	0.2 ^a	0.1 - 0.2	0.2 ^a	0.2 - 0.2	0.1 ^a	0.1 - 0.1	0.7	0.5 - 0.8	ND	ND	1, 2
Nitrate (as N)	ppm	10	10	0.5	ND - 1.0	2.2	2.1 - 2.4	2.2	1.5 - 2.7	0.6	0.5 - 0.6	ND	ND - 0.4	1.7	0.5 - 2.8	1, 3
Selenium	ppb	50	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ^a	ND - 5	6
ORGANIC CHEMICALS																
Total Trihalomethanes ^b	ppb	80	NS	42	15 - 47	NA	NA	NA	NA	NA	NA	40	12 - 55	NA	NA	4
Total Haloacetic Acids ^b	ppb	60	NS	14	ND - 23	NA	NA	NA	NA	NA	NA	35	15 - 48	NA	NA	4
Total Organic Carbon	ppm	TT	NS	2.0	1.1 - 2.3	NA	NA	NA	NA	NA	NA	1.5	1.1 - 1.8	NA	NA	14
RADIONUCLIDES																
Gross Alpha Particle Activity	pCi/L	15	0	3.3	3.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
DISINFECTION																
Bromate	ppb	10	0.1	1.7	ND - 2.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4
Chloramine (as chlorine) ^c	ppm	(4)	[4]	1.8	0.01 - 3.2	NA	NA	NA	NA - 3.5*	NA	NA - 3.7**	3.0	0.06 - 3.7	NA	NA	5
MICROBIOLOGICAL																
<i>Cryptosporidium</i>	cyst/L	TT	(0)	ND	ND - 0.1	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	6
<i>Giardia lamblia</i>	cyst/L	TT	(0)	ND	ND	NA	NA	NA	NA	NA	NA	0.02	ND - 0.06	NA	NA	6
				Highest %	Range	Highest %	Range	Highest %	Range	Highest %	Range	Highest %	Range	Highest %	Range	
Total Coliform ^c	TT	(0)		3	0 - 3	3	0 - 3	3	0 - 3	0	0	2	0 - 2	2	0 - 2	6
CLARITY																
Turbidity (unfiltered sources)	NTU	5	NS	NA		NA	NA	NA	NA	NA	NA	Highest Level = 2.1		NA	NA	7
Turbidity (filtered sources)	NTU	1	NS	Highest Level = 0.3 ^d		NA	NA	NA	NA	NA	NA	Highest Level = 0.4 ^d		NA	NA	7
LEAD AND COPPER																
90th Percentile (# Samples Exceeding AL)																
Lead ^e	ppb	[15]	0.2	ND (0 of 52)								ND (0 of 32)				8
Copper ^e	ppb	[1300]	300	150 (0 of 52)								ND (0 of 32)				8

SECONDARY DRINKING WATER STANDARDS—Aesthetic Standards

Parameter	Unit	SMCL	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	
Aluminum	ppb	200	ND	ND - 50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1, 15
Chloride	ppm	500	65	18 - 72	54 ^a	51 - 57	45 ^a	42 - 48	40 ^a	38 - 41	5	ND - 10	35 ^a	31 - 39	9, 10
Color	CU	15	1	ND - 2	2 ^a	ND - 5	ND	ND	ND	ND	ND	ND	ND	ND	11
Iron	ppm	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND - 41	ND	1
Manganese	ppb	50	5	3 - 9	ND	ND	ND	ND	ND	ND	ND	ND	ND - 3	ND ^a	ND - 22
Odor	TON	3	2	1 - 2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11
Specific Conductance	µS/cm	1600	478	300 - 580	787 ^a	750 - 850	660 ^a	650 - 670	485 ^a	480 - 490	174	31 - 317	630 ^a	540 - 720	10, 13
Sulfate	ppm	500	56	35 - 82	63 ^a	61 - 66	49 ^a	48 - 50	38 ^a	37 - 39	21	1 - 41	66 ^a	56 - 75	9, 12
Total Dissolved Solids	ppm	1000	273	166 - 326	480 ^a	450 - 520	397 ^a	390 - 410	320 ^a	320 - 320	97	24 - 169	410 ^a	370 - 450	9
Turbidity	NTU	5	0.03	0.01 - 0.3	0.1 ^a	ND - 0.2	ND	ND	ND	ND	0.2	0.1 - 0.4	ND	ND	7

OTHER WATER QUALITY PARAMETERS

Parameter	Unit	MCL	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range	Average	Range
Boron	ppb	NS	153	ND - 207	NA	NA	NA	NA	NA	NA	44	23 - 65	NA	NA
Bromide	ppm	NS	0.12	0.11 - 0.12	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA
Calcium	ppm	NS	24	16 - 35	64 ^a	61 - 66	52 ^a	47 - 59	45 ^a	43 - 47	15	3 - 28	86 ^a	72 - 100
Chlorate	ppb	NS	NA	NA	NA	NA	NA	NA	NA	NA	134	24 - 597	NA	NA
Hardness (as CaCO ₃) ^f	ppm	NS	119	82 - 168	407 ^a	389 - 428	331 ^a	323 - 339	252 ^a	249 - 255	57	8 - 106	337 ^a	263 - 410
Lithium	ppb	NS	ND	ND	13 ^a	11 - 14	ND ^a	ND - 11	11 ^a	10 - 11	2	ND - 4	ND ^a	ND - 9
Magnesium	ppm	NS	14	10 - 20	60 ^a	55 - 67	49 ^a	43 - 52	34 ^a	33 - 34	5	0.2 - 10	28 ^a	19 - 36
Perfluoro-1-hexanesulfonic acid (PFHxS)	ppt	NS	NA	NA	ND	ND - 4.3	NA	NA	NA	NA	NA	NA	ND	ND
pH	-	NS	7.7	7.5 - 8.2	7.8 ^a	7.8 - 7.9	7.9 ^a	7.8 - 8.1	7.9 ^a	7.8 - 7.9	NA	NA	7.9 ^a	7.8 - 8.0
Potassium	ppm	NS	3.5	1.6 - 4.4	1.3 ^a	1.1 - 1.4	0.7 ^a	ND - 1.1	1.2 ^a	1.1 - 1.2	NA	NA	1.6 ^a	1.4 - 1.8
Silica	ppm	NS	13	11 - 13	NA	NA	NA	NA	NA	NA	7	5 - 10	NA	NA
Sodium	ppm	NS	52	25 - 72	42 ^a	41 - 42	31 ^a	30 - 31	22 ^a	20 - 23	13	3 - 24	39 ^a	36 - 42
Total Alkalinity (as CaCO ₃)	ppm	NS	87	67 - 130	337 ^a	320 - 350	253 ^a	250 - 260	180 ^a	180 - 180	56	7 - 120	260 ^a	220 - 300
Vanadium	ppb	NS	3	1 - 3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

* Valley Water treated surface water was delivered to the Edenvale distribution system during May and November 2024. Refer to the Evergreen treated water data column in this table for details on the quality of that water supply.
 ** Temporary chlorination was performed during May and October 2024 for maintenance purposes. No chlorine was present in the service area during the remainder of the year.

NOTES:

- a** Distribution system data in 2023.
- b** Distribution system data in 2024. Running averages are calculated from data for previous quarters that are not shown in this table.
- c** Distribution system data in 2024.
- d** Filtered water turbidity required to be < 0.3 NTU in 95% of samples. All filtered water sources met this standard.
- e** Distribution system customer data in 2024.
- f** To convert hardness from ppm to grains per gallon, divide by 17.1.

TYPICAL SOURCES IN DRINKING WATER:

- 1** Erosion of natural deposits
- 2** Water additive that promotes strong teeth
- 3** Runoff/leaching from fertilizers
- 4** By-product of drinking water disinfection
- 5** Added for disinfection
- 6** Naturally present in the environment
- 7** Soil runoff
- 8** Internal corrosion of household plumbing systems
- 9** Runoff/leaching of natural deposits
- 10** Seawater influence
- 11** Naturally-occurring organic material
- 12** Industrial waste
- 13** Substances forming ions in water
- 14** Various natural and manmade sources
- 15** Residue from some surface water treatment processes

See back panel for definitions and abbreviations used in this table.