

2008 WATER QUALITY REPORT

CONSTITUENTS AND (UNITS)	MCL	PHG or (MCLG)	DLR	GROUNDWATER SOURCES		SURFACE WATER SOURCES		TYPICAL ORIGINS
				Results (a)	Range (Min-Max)	Results (a)	Range (Min-Max)	
PRIMARY DRINKING WATER STANDARDS--Health-Related Standards								
CLARITY								
Effluent Turbidity (NTU) (b)	0.3	NA	—			0.08	(0.04 - 0.45)	Soil Runoff
DISINFECTION BYPRODUCTS (c)								
Total Trihalomethanes (TTHM) (ug/l)	80	NA	0.5	61.2	(33 - 82)	42.3	(34.8 - 58.9)	Byproduct of drinking water disinfection
Haloacetic Acids (five) (HAA5) (ug/l)	80	NA	1	13.4	(0.9 - 29)	31.2	(10.8 - 49.1)	Byproduct of drinking water disinfection
INORGANIC CHEMICALS (d)								
Aluminum (mg/l)	1	0.6	0.05	ND	ND	0.18	(0.09 - 0.31)	Residue from water treatment process
Arsenic (ug/l)	10	0.004	2	ND	ND	4	4	Erosion of natural deposits
Barium (mg/l)	1	(2)	0.1	ND	ND	ND	ND	Erosion of natural deposits
Copper (mg/l) (e)	AL = 1.3	0.17	0.05	0.64	(.064 - 1.2)	ND	ND	Corrosion of household plumbing system
Fluoride (mg/l)	2	1	0.1	0.4	(0.3 - 0.49)	0.35	(0.29 - 0.38)	Erosion of natural deposits
Nitrate as NO3 (mg/l)	45	45	2	26	(21 - 53)	1.9	(ND - 4.6)	Leaching from fertilizer use
Lead ug/L (e)	AL = 15	2	5	8.3	(ND - 17)	ND	ND	Corrosion of household plumbing system
RADIOACTIVITY (d)								
Gross Alpha Activity (pCi/l)	15	NA	1	8.1	(5.3 - 19)	ND	ND	Erosion of natural deposits
Uranium (pCi/l)	20	0.43	1	7.6	(4.1 - 19)	ND	ND	Erosion of natural deposits
SECONDARY DRINKING WATER STANDARDS--Aesthetic Standards, Not Health-Related (d)								
System Turbidity (NTU)	5	NA	0.1	0.13	(0.1 - 0.3)			Soil runoff
Odor-Threshold (Units)	3	NA	1	1	1	1	1	Naturally-occurring organic materials
Chloride (mg/l)	500	NA	1	100	(90 - 110)	7.3	(6 - 8)	Runoff/leaching from natural deposits
Sulfate (mg/l)	500	NA	0.5	235	(230 - 260)	22	(21 - 24)	Runoff/leaching from natural deposits
Total Dissolved Solids (mg/l)	1,000	NA	1	810	(800 - 820)	193	(170 - 230)	Runoff/leaching from natural deposits
Specific Conductance (umho/cm)	1,600	NA	10	1,200	1200	335	(310 - 350)	Substances that form ions in water
UNREGULATED CHEMICALS								
Boron (ug/l)	AL = 1,000	NA	100	ND	ND	56	(37 - 70)	Erosion of natural deposits
Perchlorate(ug/l)	6	6	4	ND	(ND - 8.9)	ND	ND	Industrial waste discharge
Vanadium (ug/l)	AL = 50	NA	3	16	(16 - 17)	ND	(ND - 4)	Erosion of natural deposits
OTHER CONSTITUENTS OF INTEREST								
Hardness as CaCO3 (mg/l)	NA	NA	2	540	(530 - 590)	150	(140 - 160)	Runoff/leaching from natural deposits
Sodium (mg/l)	NA	NA	1	72	(62 - 74)	26	(13 - 39)	Runoff/leaching from natural deposits
NOTES								
mg/l = parts per million or milligrams per liter			DLR = Detection Limit for the Purpose of Reporting			AL = Action Level		
ug/l = parts per billion or micrograms per liter			ND = Not Detected at DLR			MCL = Maximum Contaminant Level		
pCi/l = picoCuries per liter			NA = No Applicable Limit			MCLG = Maximum Contaminant Level Goal		
umho/cm = micromhos per centimeter			NR = Monitoring Not Required			PHG = Public Health Goal		
NTU = Nephelometric Turbidity Units								
(a) The results reported in the table are average concentrations of the constituents detected in your drinking water during year 2008 or from the most recent tests, except for filter effluent turbidity, TTHM, HAA5, and copper which are described below.								
(b) Turbidity is a measure of the cloudiness of the water. It is a good indicator of the effectiveness of the water filtration system. All of the turbidity measurements were less than 0.3 NTU.								
(c) TTHM and HAA5 samples are collected in VHW's distribution system. The running annual averages of all the samples collected in 2008 are reported as "Results"; while the maximum and minimum of the individual samples collected in 2008 are reported as "Range". Compliance is based on the running annual averages.								
(d) Not all sources were sampled in year 2008, some sources were sampled in previous years, and all of the most recent results are included.								
(e) Concentrations were measured at the tap. The 90th percentile concentration is reported in the table. Out of 20 distribution system locations sampled, none of the results for both lead and copper exceeded the ALs. The samples were collected in August 2008. The next samples will be taken in 2011.								
In addition to the above constituents, we continue to conduct monitoring for more than 60 other constituents, and all results have been below the detection limits.								
For more information or questions regarding water quality, please contact Mr. David Michalko, General Manager, at Valencia Heights Water Company, 3009 East Virginia Avenue, West Covina, CA 91791 Phone: (626)332-8935.								