

CITY OF WHITTIER

2008 WATER QUALITY TABLE

CONSTITUENT AND (UNITS)	MCL or [MRDL]	PHG (MCLG) or [MRDLG]	DLR	GROUNDWATER SOURCES		MCL Violations?	Most Recent Sampling Date	TYPICAL ORIGINS
				Results (a)	Range (Min-Max)			
PRIMARY DRINKING WATER STANDARDS--Health-Related Standards								
ORGANIC CHEMICALS								
Tetrachloroethylene (PCE) (µg/l)	5	0.06	0.5	0.7	ND - 2.3	No	2008	Discharge from industrial activities
Trichloroethylene (TCE) (µg/l)	5	0.8	0.5	ND	ND - 0.7	No	2008	Discharge from industrial activities
DISINFECTANT AND DISINFECTION BYPRODUCTS (b)								
Total Trihalomethanes (TTHM) (µg/l)	80	NA	0.5	18	12 - 25	No	2008	Byproduct of drinking water chlorination
Haloacetic acids (five) (HAA5) (µg/l)	60	NA	1	5.3	2.6 - 8.0	No	2008	Byproduct of drinking water chlorination
Chlorine Residual (mg/l)	[4]	[4]	NA	0.36	0.2 - 0.7	No	2008	Drinking water disinfectant
INORGANIC CHEMICALS								
Barium (mg/l)	1	2	0.1	ND	ND - 0.11	No	2008	Erosion of natural deposits
Copper (mg/l) (c)	AL = 1.3	0.17	0.05	0.32	--	No	2008	Corrosion of household plumbing system
Fluoride (mg/l)	2	1	0.1	0.23	0.16 - 0.29	No	2008	Erosion of natural deposits
Lead (µg/l) (c)	AL = 15	2	5	ND	--	No	2008	Corrosion of household plumbing system
Nitrate as NO ₃ (mg/l)	45	45	2	8.1	5.8 - 14	No	2008	Runoff and leaching from fertilizer use
BACTERIOLOGICAL								
Total Coliform Bacteria (d)	5%	(0)	NA	1.4%	--	No	2008	Naturally present in the environment
RADIOACTIVE CHEMICALS								
Gross Alpha (pCi/l)	15	(0)	3	ND	ND - 11	No	2008	Decay of natural and man-made deposits
Uranium (pCi/l)	20	0.43	2	1.9	ND - 5.3	No	2008	Erosion of natural deposits
SECONDARY DRINKING WATER STANDARDS--Aesthetic Standards, Not Health-Related								
Chloride (mg/l)	500	NA	NA	87	69 - 100	No	2008	Runoff/leaching from natural deposits
Color (Units) (d)	15	NA	3	ND	ND	No	2008	Naturally occurring organic materials
Odor (TON) (d)	3	NA	1	1	1	No	2008	Naturally occurring organic materials
Specific Conductance (µmho/cm)	1,600	NA	NA	881	820 - 1,000	No	2008	Substances that form ions in water
Sulfate (mg/l)	500	NA	0.5	129	110 - 170	No	2008	Runoff/leaching from natural deposits
Total Dissolved Solids (mg/l)	1,000	NA	NA	515	460 - 680	No	2008	Runoff/leaching from natural deposits
Turbidity (NTU) (d)	5	NA	0.1	0.1	ND - 1.9	No	2008	Soil runoff
UNREGULATED CHEMICALS								
Boron (µg/l)	NL = 1,000	NA	100	188	120 - 460	No	2008	Runoff/leaching from natural deposits
Hexavalent Chromium (µg/l)	NA	NA	1	ND	ND - 2.5	No	2006	Discharge from industrial activities
N-Nitrosodimethylamine (ng/l)	NL = 10	NA	2	2.1	ND - 5.2	No	2008	Discharge from industrial activities
Vanadium (µg/l)	NL = 50	NA	3	4.7	ND - 8.7	No	2008	Erosion of natural deposits
OTHER CONSTITUENTS OF INTEREST								
Hardness as CaCO ₃ (mg/l)	NA	NA	NA	301	260 - 450	No	2008	Runoff/leaching from natural deposits
Sodium (mg/l)	NA	NA	NA	61	47 - 77	No	2008	Runoff/leaching from natural deposits

NOTES

AL = Action Level	MRDL = Maximum Residual Disinfectant Level	NTU = Nephelometric Turbidity Units
DLR = Detection Limit for the Purpose of Reporting	MRDLG = Maximum Residual Disinfectant Level Goal	pCi/l = picoCuries per liter
MCL = Maximum Contaminant Level	NA = No Applicable Limit	PHG = Public Health Goal
MCLG = Maximum Contaminant Level Goal	ND = Not Detected at DLR	TON = Threshold Order Number
mg/l = parts per million or milligrams per liter	ng/l = parts per trillion or nanograms per liter	µg/l = parts per billion or micrograms per liter
	NL = Notification Level	µmho/cm = micromhos per centimeter

- (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 TTHM, HAA5, Lead, and Copper which are described below.
- (b) Samples were collected in the distribution system. For TTHM and HAA5, the running annual averages are reported as "Results" while the maximum and minimum of the individual results are reported as "Range".
- (c) Concentrations were measured at the tap. The 90th percentile concentration is reported in the table. None of the thirty sampling locations for Lead and Copper exceeded the action levels. The samples were collected in 2008.
- (d) Samples were collected in the distribution system. The Total Coliform Bacteria result is the highest percentage of positive samples collected in a month during 2008. Coliforms are bacteria used as an indicator that if present, other potentially harmful bacteria may be present. In July 2008, Total Coliforms were detected in one sample collected in the distribution system. However, Fecal Coliform/E. Coli was not detected in the sample and all follow-up samples were negative for Total Coliforms and Fecal Coliform/E. coli bacteria. Therefore, the MCL was not violated in 2008.