CITY OF CORCORAN - WATER TESTING RESULTS

2018

TABLE 1 - SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA

Microbiological Contaminants	No. of detections in 2017	No. of Months In violation	MCL	MCLG	Typical Source of Contaminant
*Total Coliform Bacteria	4	1	2 or more samples in a month with a detection	0	Naturally present in the environment Indicator for pathogenic bacteria.
Fecal Coliform or E.coli	0	0	A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or E.coli	0	Human and animal fecal waste Pathogenic

TABLE 2 - SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER

Lead and Copper (and reporting units)	No. of samples collected	90th percentile level detected	No. Sites exceeding AL	MAL	MCLG	Typical Source of Contaminant
Lead (ppb) 2018 (performed at all school sites)	33	6.3	0	15	0.2	Internal corrosion of household plumbing systems, discharges from industrial manufactures, erosion of natural deposits
Copper (ppm) 2017 (performed in select residential homes)	30	0.12	0	1.3	0.17	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives

TABLE 3 - SAMPLING RESULTS FOR SODIUM AND HARDNESS

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Sodium (ppm)	2016 - 2017	70	49 - 100	None	None	Generally found in ground and surface water
Hardness (ppm)	2016 - 2017	71	5.3 - 180	None	None	Generally found in ground and surface water

TABLE 4 DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCL	PHG (MCLG)	Typical Source of Contaminant
Total Trihalomethanes TTHM (ppb) (Finished / Treated Water)	2018	33.75	29 - 40	80	N/A	By-product of drinking water chlorination
Haloacetic Acids HAA5 (ppb) (Finished / Treated Water)	2018	11.71	8.7 - 17	60	N/A	By-product of drinking water disinfection
Chlorine (ppm) (Finished / Treated Water)	2018	1.45	0.90 - 2.17	MRDL=4.0 as Cl2	MRDLG=4.0 as Cl2	Drinking water disinfectant added for treatment. Measured at the entry point of distribution.
Aluminum (ppm)	2016 - 2017	0.22	ND - .87	1	0.6	Erosion of natural deposits; residue from some surface water treatment processes
Arsenic (ppb) (Finished / Treated Water)	2018	5.5	2.7 - 9.3	10	N/A	Finished water results. Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes (see back page for more information)
Total Chromium (ppb)	2014 - 2017	ND	ND	50	100	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (ppm)	2016 - 2017	0.43	ND - 1.2	2.0	1.0	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrate (as nitrogen, N) (ppm) (Finished / Treated Water)	2018	4.0	2.2 - 7.5	10	10	Finished water results. Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits (see back page for more information)
Nitrite as Nitrogen (ppm)	2015 - 2017	0	ND	1.0	1.0	Runoff and leaching from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Gross Alpha (pCi/L)	2014 - 2018	5.3	0 - 11.3	15	N/A	Erosion of natural deposits
1,2,3-Trichloropropane (1,2,3-TCP)	2018	ND	ND - ND	0.005	N/A	Manmade chemical found at industrial or hazardous waste sites

TABLE 5 DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Range of Detections	MCLG	PHG (MCLG)	Typical Source of Contaminant
Chloride (ppm)	2016 - 2017	25.7	8.2 - 57	500	N/A	Runoff/leaching from natural deposits; seawater influence
Iron (ppb)	2016 - 2018	83	ND - 420	300	N/A	Leaching from natural deposits; industrial wastes
Manganese (ppb)	2016 - 2018	33	ND - 190	50	N/A	Leaching from natural deposits
Sulfate (ppm)	2016 - 2017	31.8	ND - 96	500	N/A	Runoff/leaching from natural deposits: industrial wastes
Specific Conductance (micromho/cm)	2016 - 2017	437	220 - 830	1600	N/A	Substances that form ions when in water; seawater influence
Total Dissolved Solids (ppm)	2016 - 2017	284	150 - 530	1000	N/A	Runoff/leaching from natural deposits
Corrosivity	2013 - 2016	12	11 - 13	Non-corrosive	N/A	Natural or industrially-influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors
Color (Unit)	2016 - 2018	8.9	0 - 20	15	N/A	Naturally-occurring organic materials
Odor (Threshold)	2016 - 2017	0.94	0 - 3.0	3.0	N/A	Naturally-occurring organic materials
Turbidity (NTU)	2016 - 2018	3.3	0.19 - 8.4	5.0	N/A	Turbidity is a measure of the cloudiness of water and a good indicator of the effectiveness of our filtration systems. Measured in our source water.

TABLE 6 DETECTION OF UNREGULATED CONTAMINANT

Chemical or Constituent (and reporting units)	Sample Date	Average Level Detected	Action Level	Health Effects Language
Boron (ppb)	2005	87.5 (ND - 200)	1000	Some men who drink water containing boron in excess of the action level over many years may experience reproductive effects, based on studies in dogs
Chromium VI (ppb) (Hexavalent chromium)	2014 - 2016	.74 (ND - .85)	MCL = 10	Continued exposure could result in skin reactions.
Vanadium (ppb)	2005	9.5 (ND - 33)	50	The babies of some pregnant women who drink water containing vanadium in excess of the action level may have an increased risk of developmental effects, based on studies in laboratory animals

*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided on next page.