Wellington 2020 Drinking Water Quality Report

Inorganic Contaminants

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Barium (ppm)	01/20	N	0.0036	0.0036	2.0	2.0	Discharge of drilling wastes; discharge from metal refineries, erosion of natural deposit
Fluoride (ppm)	01/20 to 05/20	N	1.06	0.14 - 1.06	4.0	4.0	Erosion of natural deposits; discharge from fertilizer and aluminum factories. Water additive which promotes strong teeth when at the optimum level of 0.7 ppm
Sodium (ppm)	01/20	N	43	43	N/A	160	Salt water intrusion, leaching from soil

No maximum contaminant levels were exceeded.

Synthetic Organic Contaminants

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation Y/N	Level Detected	Range of Results	MCLG	MCL	Likely Source of Contamination
Heptachlor epoxide (ppt)	01/20, 07/20, and 10/20	N	29	ND – 29	0	200	Breakdown of heptachlor; residual of pesticides
Hexachlorocyclopenta-diene, HCCPD (ppb)	01/20, 07/20, and 10/20	N	0.051	0.018 – 0.051	50	50	Discharge from chemical factories

No maximum contaminant levels were exceeded.

Stage 1 Disinfectants and Disinfection By-Products

Disinfectant or Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL or MRDL Violation Y/N	Level Detected	Range of Results	MRDLG	MRDL	Likely Source of Contamination
Chlorine and Chloramines (ppm)	01/20 to 12/20	N	3.02 (1)	0.00 – 5.3 (2)	4.0	4.0	Water additive used to control microbes

(1) Level Detected is the highest running annual average (RAA), computed quarterly, of monthly averages of all samples collected.

(2) The range of results is the lowest and highest of all individual samples collected during the reported year. The lowest and highest level detected represents

2 out of 908 samples tested. The maximum contaminant level was not exceeded.

Stage 2 Disinfectants and Disinfection By-Products

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	MCL Violation (Y/N)	Level Detected(3)	Range of Results	MCLG	MCL	Likely Source of Contamination
Haloacetic Acids (HAA5) (ppb)	02/20, 05/20, 08/20, and 11/20	N	31.9	21.4 – 41.6	N/A	60 ppb	By-product of drinking water disinfection
Total Trihalomethanes (TTHM) (ppb)	02/20, 05/20, 08/20, and 11/20	N	63.5	35.4 – 88.9(4)	N/A	80 ppb	By-product of drinking water disinfection

(3) The result in the Level Detected column for HAA and THM is the highest locational running annual average (LRAA), computed quarterly, for each site.

(4) Two samples in 2020 produced a result of 88.9 which exceeds the THM MCL of 80 ppb but our system did not incur an MCL violation as all annual average

results, at all sites, were below the maximum contaminant level.

Lead and Copper (Tap Water)

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	AL Exceeded (Y/N)	90th Percentile Result	No. of sampling sites exceeding the AL	MCLG	AL (Action Level)	Likely Source of Contamination
Copper (tap water) (ppm)	07/19	N	0.0328	0	1.3	1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Lead (tap water) (ppb)	07/19	N	5.0	1 (5)	0	15	Corrosion of household plumbing systems; erosion of natural deposits

(5) Although 1 home out of 38 tested produced a lead result greater than the Action Level, the 90th percentile was below 15ppb, the Action Level.

Unregulated Contaminant Monitoring Rule (UCMR4)

Contaminant and Unit of Measurement	Dates of sampling (mo/yr)	Level Detected (average)	Range of Results	MCL	Likely Source of Contamination
Manganese (ppb)	05/18, 11/18	0.195	0.17 – 0.22	50	Naturally occurring element: commercially available in combination with other elements and minerals; used in steel production, fertilizer, batteries, and fireworks; drinking water and wastewater treatment chemical; essential nutrient
HAA5 (ppb)	9/18, 11/18	26.9	24.6 – 29.7	60	By-product of drinking water disinfection
HAA6Br (ppb)	9/18, 11/18	5.5	3.8 – 6.9	NA	By-product of drinking water disinfection
HAA9 (ppb)	9/18, 11/18	32.4	28.4 – 36.2	NA	By-product of drinking water disinfection