

2016 TEST RESULTS								
Water Treatment Plant Performance								
	MCL		MCLG	Level Detected	Sample Date	Violation Y/N	Likely Source of Contamination	
Turbidity	TT=1 NTU for a single measurement		0	0.04 NTU (a)	7/27/2016 7/28/2016	N	Soil runoff	
	TT= at least 95% of monthly samples <0.3 NTU			100% Below 0.3	2016	N		
Total Organic Carbon	1st Quarter		2nd Quarter		3rd Quarter		4th Quarter	
	% Removal Required	% Removal Achieved	% Removal Required	% Removal Achieved	% Removal Required	% Removal Achieved	% Removal Required	% Removal Achieved
Water Treatment Plant	35%	45%	35%	46%	35%	64%	35%	80%
Naturally present in the environment.								
Inorganic Contaminants								
	MCL		MCLG	Level Detected	Range	Sample Date	Violation Y/N	Likely Source of Contamination
Arsenic (ppb)	10		0	1.3	ND - 1.3 (b)	11/19/2015	N	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes.
Barium (ppm)	2		2	0.120	0.0168 - 0.12 (b)	11/19/2015	N	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Nickel (ppm)	0.1		0.1	0.0056	ND - 0.0056 (b)	11/19/2015	N	Erosion of natural deposits
Nitrate (as Nitrogen) (ppm)	10		10	1.48	0 - 1.48 (c)	3/22/2016	N	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Organic Chemical Contaminants								
	MCL		MCLG	Level Detected	Range	Sample Date	Violation Y/N	Likely Source of Contamination
Total Trihalomethanes (TTHMs) (ppb)	80		N/A	88.3	22.8-58.2 (d)	Quarterly	Y	By-product of drinking water chlorination
Haloacetic Acids (HAA) (ppb)	60		N/A	33.8	7.3-24.2 (d)	Quarterly	N	By-product in drinking water disinfection
Radionuclides								
	MCL		MCLG	Level Detected	Range	Sample Date	Violation Y/N	Likely Source of Contamination
Gross Alpha (pCi/l)	15		0	8.34	0.6 - 8.34 (e)	4/30/2014	N	Erosion of natural deposits
Disinfectants								
	MRDL		MRDLG	Level Detected	Range	Sample Date	Violation Y/N	Likely Source of Contamination
Chlorine (ppm) - Entry Point Residuals	4		4	0.23	0.23 - 1.3	Daily	N	Water additive used to control microbes.
Chlorine (ppm) - Distribution System Residuals	4		4	0.61	0.45 - 0.61	Monthly*	N	Water additive used to control microbes.
Lead / Copper								
	AL		MCLG	Level Detected	Number of sites found above the AL			Likely Source of Contamination
Lead (ppb)	15		0	1.3 (f)	One (1) site above the AL out of 34 sites sampled			Corrosion of household plumbing systems; erosion of natural deposit
Copper (ppm)	1.3		1.3	0.14 (f)	Zero sites above the AL out of 34 sites sampled			Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives

(a) Turbidity readings taken daily at the water treatment plant. The highest reading observed for 2016 was 0.04 NTU. This level is below the MCL. 95% of the samples taken in 2016 were below 0.3 NTU.

(b) Sampling required every 3 to 9 years depending on the requirements for the Entry Point being sampled.

(c) Sampling required annually

(d) The level detected represents the highest local running annual average (LRAA) at any one sample location over the four quarters of 2016. The LRAA exceedance for TTHMs due to the carryover of a single high reading in July 2015. All individual samples taken in 2016 were well below the MCL. The range represents the lowest and highest values at any one individual sample location in 2016. Samples are required throughout the distribution system quarterly.

(e) Required every 9 years. Last sample taken in 2014.

(f) The level detected represents the 90th percentile of the samples taken. None of the copper samples taken exceeded the action level. One lead was found to be over the AL. Sampling is required every three years. Last samples taken in 2016

* Distribution System Chlorine Residual is reported as the highest monthly average value in mg/L.