

REGULATED SUBSTANCES									
				Village of Chagrin Falls		Cleveland			
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	MCLG [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Barium (ppm)	2014	2	2	0.00014	0.00014–0.00014	NA	NA	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Chlorine (ppm)	2015	[4]	[4]	0.92	0.27–1.56	1.0	0.9–1.1	No	Water additive used to control microbes
Fluoride (ppm)	2015	4	4	NA	NA	1.0	0.7–1.4	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Haloacetic Acids [HAA]–Stage 2 (ppb)	2015	60	NA	12.0	<5–25.6	33.3	8.4–55.3	No	By-product of drinking water disinfection
Nitrate (ppm)	2015	10	10	NA	NA	1.07	0.1–1.07	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
TTHMs [Total Trihalomethanes]–Stage 2 (ppb)	2015	80	NA	18.5	<2–39.7	36.1	9.7–61.5	No	By-product of drinking water disinfection
Total Coliform Bacteria (% positive samples)	2015	5% of monthly samples are positive	0	ND	NA	0.75	NA	No	Naturally present in the environment
Total Organic Carbon [TOC] ¹ (removal ratio)	2015	TT	NA	NA	NA	1.1	1.0–1.7	No	Naturally present in the environment
Turbidity ² (NTU)	2015	TT	NA	NA	NA	0.17	0.02–0.17	No	Soil runoff
Turbidity (Lowest monthly percent of samples meeting limit)	2015	TT = 95% of samples < 0.3 NTU	NA	NA	NA	100	NA	No	Soil runoff
Tap water samples were collected for lead and copper analyses from sample sites throughout the community									
		Village of Chagrin Falls			Cleveland				
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	MCLG	AMOUNT DETECTED (90TH% TILE)	SITES ABOVE AL/ TOTAL SITES	AMOUNT DETECTED (90TH% TILE)	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2015	1.3	1.3	0.32	0/20	0.07	0/51	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb)	2015	15	0	2.0	0/20	ND	1/51	No	Corrosion of household plumbing systems; Erosion of natural deposits
SECONDARY SUBSTANCES (VILLAGE OF CHAGRIN FALLS)									
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	MCLG	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE		
Manganese (ppb)	2014	50	NA	6.9	6.9–6.9	No	Leaching from natural deposits		