

Town of Brookfield - Sanitary District #4

Sample location: EP200 EP300 EP400 Sampled 3/5/2024
Well 1 & 2 Well 3 & 4 Well 5 & 6

Contaminants	Result	Result	Result	LOD	LOQ	MCL	Units
Wet Chemistry							
Nitrogen, NO2 + NO3 as N (unfiltered)	ND	ND	ND	0.052	0.17	10	mg/L

Sample location: EP200 EP300 EP400 Sampled 3/5/2024
Well 1 & 2 Well 3 & 4 Well 5 & 6

Contaminants	Result	Result	Result	Qualifier	LOD	LOQ	MCL	Units
Volatiles								
Benzene			ND		0.11	0.37	5	ug/L
Bromodichloromethane			1.5	NRC	0.17	0.56	80	ug/L
Bromoform			0.62	J, NRC	0.24	0.82	80	ug/L
Carbon Tetrachloride			ND		0.19	0.62	5	ug/L
Chloroform			0.70	NRC	0.14	0.45	80	ug/L
Dibromochloromethane			1.8	NRC	0.24	0.79	80	ug/L
1,2-Dichlorobenzene			ND		0.32	1.1	600	ug/L
1,4-Dichlorobenzene			ND		0.29	0.96	75	ug/L
1,2-Dichloroethane			ND		0.13	0.42	5	ug/L
1,1-Dichloroethene			ND		0.14	0.48	7	ug/L
cis-1,2-Dichloroethene			ND		0.15	0.50	70	ug/L
trans-1,2-Dichloroethene			ND		0.11	0.37	100	ug/L
Dichloromethane			ND		0.38	1.3	5	ug/L
1,2-Dichloropropane			ND		0.16	0.54	5	ug/L
Ethyl Benzene			ND		0.21	0.70	700	ug/L
MTBE			0.38	J, NRC	0.16	0.52		ug/L
Chlorobenzene			ND		0.20	0.67	100	ug/L
Styrene			ND		0.19	0.63	100	ug/L
Tetrachloroethene			ND		0.49	1.6	5	ug/L
Toluene			ND		0.17	0.58	1000	ug/L
1,2,4-Trichlorobenzene			ND		0.28	0.93	70	ug/L
1,1,1-Trichloroethane			ND		0.15	0.50	200	ug/L
1,1,2-Trichloroethane			ND		0.21	0.69	5	ug/L
Trichloroethene			ND		0.17	0.55	5	ug/L
Vinyl Chloride			ND		0.086	0.29	0.2	ug/L
Xylene (Total)			ND		0.24	0.81	10000	ug/L

Disinfection Byproducts (TTHM, HAA5)

Sampled 8/7/2024

Sample location: DBP3

Contaminants	Result	Qualifier	LOD	LOQ	MCL	Units
Volatiles						
Bromodichloromethane	11		0.17	0.56	80	ug/L
Bromoform	8.9		0.24	0.82	80	ug/L
Chloroform	3.4		0.14	0.45	80	ug/L
Dibromochloromethane	17		0.24	0.79	80	ug/L
Total Trihalomethanes (TTHM) EPA 524.2	40		0.14	0.45	80	ug/L
MTBE	0.42	J, NRC	0.16	0.52		ug/L
Semi-Volatiles						
Haloacetic Acid Total	8.5		0.13	0.43	60	ug/L
Monochloroacetic acid (MCAA)	ND		0.93	3.1		ug/L
Monobromoacetic acid (MBAA)	0.84		0.13	0.43		ug/L
Dichloroacetic acid (DCAA)	1.9		0.15	0.49		ug/L
Trichloroacetic acid (TCAA)	1.1		0.22	0.72		ug/L
Dibromoacetic acid (DBAA)	4.7		0.24	0.81		ug/L

Definitions and Qualifiers

Item	Definition
ug/l	micrograms per liter which is equal to ppb: parts per billion.
FBNA	The field sample had no detects, therefore the corresponding trip blank/field reagent blank was not analyzed.
J	Result is between LOD and LOQ and considered to be within a region of less-certain quantitation.
MS_Cl	Chlorine odor present. Nitrite matrix spike and spike duplicate recovery low and Nitrate matrix spike and spike duplicate recovery high due to the presence of chlorine in the sample.
NRC	Compound was detected in the sample, but was not requested in the order of analyses.
ND	Analyte NOT DETECTED at or above the LOD or MRL.
LOD	Limit of Detection.
LOQ	Limit of Quantitation.
NA	Not Applicable.
Dry	Dry Weight Basis.
Wet	Wet Weight Basis.
% Dry	Equal to: $(\text{mg/kg dry}) / 10000$.
1000 ug/L	Equal to: 1 mg/L.
MCL	Maximum Contaminant Levels for Drinking Water Samples.
RPD	Relative Percent Difference.
%REC	Percent Recovery.
Source	Sample that was matrix spiked or duplicated.