Informational Water Quality Report

Watercheck w/PO

Client: John Lindahl 2485 North Shore Dr. Wayzata, MN 55391

Ordered By:

HMI Water Specialist DBA Water Doctors 8201 Old Central Ave NE #F Spring Lake Park, MN 55432 ATTN: Bob Hoey



Quality Water Analysis

6571 Wilson Mills Rd Cleveland, Ohio 44143 1-800-458-3330

Sample Number:

Location:

Type of Water: Collection Date and Time: Received Date and Time: Date Completed:

4/9/2018 2:00 PM 4/10/2018 9:10 AM 4/23/2018

883591

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Revised Report

Definition and Legend

This informational water quality report compares the actual test result to national standards as defined in the EPA's Primary and Secondary Drinking Water Regulations. Primary Standards: Are expressed as the maximum contaminant level (MCL) which is the highest level of contaminant that is allowed in drinking water. MCLs are enforceable standards. Secondary standards: Are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. Individual states may choose to adopt them as enforceable standards. Action levels: Are defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water. Unless otherwise indicated, results and standards are expressed as an amount in milligrams per liter or mg/L (ppm): parts per million. **Minimum Detection** The lowest level that the laboratory can detect a contaminant. Level (MDL): ND: The contaminant was not detected above the minimum detection level. NA: The contaminant was not analyzed. The contaminant was not detected in the sample above the minimum detection level. The contaminant was detected at or above the minimum detection level, but not above the referenced standard. The contaminant was detected above the standard, which is not an EPA enforceable MCL. The contaminant was detected above the EPA enforceable MCL. These results may be invalid.

Status	Contaminant	Results	Units	National Stan	dards Mir	. Detection Level		
			Micro	biologicals				
\checkmark	Total Coliform by P/A	in this sample.						
		, Inorganic Analytes - Metals						
\checkmark	Aluminum	ND	mg/L	0.2	EPA Secondary	0.1		
	Arsenic	0.008	mg/L	0.010	EPA Primary	0.005		
\checkmark	Barium	ND	mg/L	2	EPA Primary	0.30		
1	Cadmium	ND	mg/L	0.005	EPA Primary	0.002		
	Calcium	71.9	mg/L			2.0		
\checkmark	Chromium	ND	mg/L	0.1	EPA Primary	0.010		
0	Copper	0.721	mg/L	1.3	EPA Action Level	0.004		
\checkmark	Iron	ND	mg/L	0.3	EPA Secondary	0.020		
	Lead	0.004	mg/L	0.015	EPA Action Level	0.002		
	Lithium	0.013	mg/L			0.001		
	Magnesium	23.80	mg/L			0.10		
\bigwedge	Manganese	0.234	mg/L	0.05	EPA Secondary	0.004		
1	Mercury	ND	mg/L	0.002	EPA Primary	0.001		
1	Nickel	ND	mg/L			0.020		
	Potassium	3.1	mg/L			1.0		
1	Selenium	ND	mg/L	0.05	EPA Primary	0.020		
	Silica	29.9	mg/L			0.1		
1	Silver	ND	mg/L	0.100	EPA Secondary	0.002		
0	Sodium	4	mg/L			1		
	Strontium	0.290	mg/L			0.001		
1	Uranium	ND	mg/L	0.030	EPA Primary	0.001		
	Zinc	0.712	mg/L	5	EPA Secondary	0.004		
			Physi	cal Factors				
	Alkalinity (Total as CaCO3)	260	mg/L			20		
\wedge	Hardness	280	mg/L	100	NTL Internal	10		

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Sample: 883591

•Status	Contaminant	Results	Units	National Stand	ards	Min. Detection Level
1	рН	7.3	pH Units	6.5 to 8.5	EPA Secondary	
	Total Dissolved Solids	310	mg/L	500	EPA Secondary	20
	Turbidity	0.4	NTU	1.0	EPA Action Lev	el 0.1
			Inorganic A	nalytes - Other		
\checkmark	Bromide	ND	mg/L			0.5
	Chloride	22.0	mg/L	250	EPA Secondary	5.0
\checkmark	Fluoride	ND	mg/L	4.0	EPA Primary	0.5
\checkmark	Nitrate as N	ND	mg/L	10	EPA Primary	0.5
\checkmark	Nitrite as N	ND	mg/L	1	EPA Primary	0.5
1	Ortho Phosphate	ND	mg/L			2.0
1	Sulfate	ND	mg/L	250	EPA Secondary	5.0
		C	rganic Analyte	s - Trihalometha	ines	
\checkmark	Bromodichloromethane	ND	mg/L			0.002
\checkmark	Bromoform	ND	mg/L			0.004
~	Chloroform	ND	mg/L			0.002
1	Dibromochloromethane	ND	mg/L			0.004
1	Total THMs	ND	mg/L	0.080	EPA Primary	0.002
			Organic Ana	lytes - Volatiles		
1	1,1,1,2-Tetrachloroethane	ND	mg/L			0.002
\checkmark	1,1,1-Trichloroethane	ND	mg/L	0.2	EPA Primary	0.001
~	1,1,2,2-Tetrachloroethane	ND	mg/L			0.002
~	1,1,2-Trichloroethane	ND	mg/L	0.005	EPA Primary	0.002
1	1,1-Dichloroethane	ND	mg/L			0.002
~	1,1-Dichloroethene	ND	mg/L	0.007	EPA Primary	0.001
~	1,1-Dichloropropene	ND	mg/L			0.002
~	1,2,3-Trichlorobenzene	ND	mg/L			0.002
\checkmark	1,2,3-Trichloropropane	ND	mg/L			0.002
1	1,2,4-Trichlorobenzene	ND	mg/L	0.07	EPA Primary	0.002

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.Status	Contaminant	Results	Units	National Standards		Min. Detection Level
\checkmark	1,2-Dichlorobenzene	ND	mg/L	0.6	EPA Primary	0.001
\checkmark	1,2-Dichloroethane	ND	mg/L	0.005	EPA Primary	0.001
\checkmark	1,2-Dichloropropane	ND	mg/L	0.005	EPA Primary	0.002
\checkmark	1,3-Dichlorobenzene	ND	mg/L			0.001
\checkmark	1,3-Dichloropropane	ND	mg/L			0.002
\checkmark	1,4-Dichlorobenzene	ND	mg/L	0.075	EPA Primary	0.001
\checkmark	2,2-Dichloropropane	ND	mg/L			0.002
\checkmark	2-Chlorotoluene	ND	mg/L			0.001
\checkmark	4-Chlorotoluene	ND	mg/L			0.001
\checkmark	Acetone	ND	mg/L			0.01
\checkmark	Benzene	ND	mg/L	0.005	EPA Primary	0.001
\checkmark	Bromobenzene	ND	mg/L			0.002
\checkmark	Bromomethane	ND	mg/L			0.002
\checkmark	Carbon Tetrachloride	ND	mg/L	0.005	EPA Primary	0.001
\checkmark	Chlorobenzene	ND	mg/L	0.1	EPA Primary	0.001
~	Chloroethane	ND	mg/L			0.002
\checkmark	Chloromethane	ND	mg/L			0.002
\checkmark	cis-1,2-Dichloroethene	ND	mg/L	0.07	EPA Primary	0.002
\checkmark	cis-1,3-Dichloropropene	ND	mg/L			0.002
\checkmark	DBCP	ND	mg/L			0.001
\checkmark	Dibromomethane	ND	mg/L			0.002
\checkmark	Dichlorodifluoromethane	ND	mg/L			0.002
\checkmark	Dichloromethane	ND	mg/L	0.005	EPA Primary	0.002
\checkmark	EDB	ND	mg/L			0.001
\checkmark	Ethylbenzene	ND	mg/L	0.7	EPA Primary	0.001
	Methyl Tert Butyl Ether	0.026	mg/L			0.004
~	Methyl-Ethyl Ketone	ND	mg/L			0.01
1	Styrene	ND	ma/l	0.1		0.001