

Informational Water Quality Report

Watercheck 1 & 2

Client:

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Ordered By:

Franklin County Lab
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Suite A
Union, MO 63084
ATTN: Kristen Wideman



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

Sample Number: 909975

Location: Farm House, Union MO 63084

Type of Water: Well Water

Collection Date and Time: 4/14/2020 1:20 PM

Received Date and Time: 4/17/2020 9:20 AM

Date Completed: 4/27/2020

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.

mg/L (ppm): Unless otherwise indicated, results and standards are expressed as an amount in milligrams per liter or parts per million.

Minimum Detection Level (MDL): The lowest level that the laboratory can detect a contaminant.

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 Standards		Min. Detection Level
Inorganic Analytes - Metals						
✓	Aluminum	ND	mg/L	0.2	EPA Secondary	0.1
✓	Arsenic	ND	mg/L	0.010	EPA Primary	0.005
●	Barium	0.69	mg/L	2	EPA Primary	0.30
✓	Cadmium	ND	mg/L	0.005	EPA Primary	0.002
●	Calcium	58.2	mg/L	--		2.0
✓	Chromium	ND	mg/L	0.1	EPA Primary	0.010
●	Copper	0.013	mg/L	1.3	EPA Action Level	0.004
●	Iron	0.030	mg/L	0.3	EPA Secondary	0.020
✓	Lead	ND	mg/L	0.015	EPA Action Level	0.002
✓	Lithium	ND	mg/L	--		0.001
●	Magnesium	32.08	mg/L	--		0.10
✓	Manganese	ND	mg/L	0.05	EPA Secondary	0.004
✓	Mercury	ND	mg/L	0.002	EPA Primary	0.001
✓	Nickel	ND	mg/L	--		0.020
✓	Potassium	ND	mg/L	--		1.0
✓	Selenium	ND	mg/L	0.05	EPA Primary	0.020
●	Silica	14.7	mg/L	--		0.1
✓	Silver	ND	mg/L	0.100	EPA Secondary	0.002
●	Sodium	7	mg/L	--		1
●	Strontium	0.049	mg/L	--		0.001
✓	Uranium	ND	mg/L	0.030	EPA Primary	0.001
●	Zinc	0.249	mg/L	5	EPA Secondary	0.004
Physical Factors						
●	Alkalinity (Total as CaCO3)	250	mg/L	--		20
▲	Hardness	280	mg/L	100	NTL Internal	10
✓	pH	7.2	pH Units	6.5 to 8.5	EPA Secondary	
●	Total Dissolved Solids	280	mg/L	500	EPA Secondary	20

Status	Contaminant	Results	Units	National Standards		Min. Detection Level
	Turbidity	0.1	NTU	1.0	EPA Action Level	0.1
Inorganic Analytes - Other						
	Bromide	ND	mg/L	--		0.5
	Chloride	6.8	mg/L	250	EPA Secondary	5.0
	Fluoride	ND	mg/L	4.0	EPA Primary	0.5
	Nitrate as N	1.0	mg/L	10	EPA Primary	0.5
	Nitrite as N	ND	mg/L	1	EPA Primary	0.5
	Ortho Phosphate	ND	mg/L	--		2.0
	Sulfate	10.0	mg/L	250	EPA Secondary	5.0

We certify that the analyses performed for this report are accurate, and that the laboratory tests were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

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