

**Results of Sample Analyses**

Test Group: 2023 January IOCNO3 mailing

Order ID: WO221228344



PDFX 2022Jan 3103

Public Drinking Water Branch  
MO4171150  
Dent Phelps Elementary School

Michael Manes  
27870 HWY C  
SALEM MO 65560

Sample: 2223447

Site: Dent Phelps Elementary School

Site Number: MO4171150

County: Dent

Sample Location and Type: UV TREATMENT WELL #1 (Treatment Plant) / TP  
10386

Collected 01/12/23 08:00

Public Drinking Water Supply

Analyte	Result	MCL	SS	Qualifier(s)
<b>Analysis: 200.7 Metals – Direct Analysis – IOC by EPA 200.7</b>				
Calcium	42.8 mg/L			
Iron	<5 µg/L		300	ND
Magnesium	25.6 mg/L			
Potassium	<1 mg/L			ND
Sodium	2.42 mg/L			
<b>Analysis: 200.8 Metals – Direct Analysis – IOC by EPA 200.8</b>				
Aluminum	<10 µg/L			ND
Antimony	<1 µg/L	6		ND
Arsenic	<1 µg/L	10		ND
Barium	45.5 µg/L	2,000		
Beryllium	<1 µg/L	4		ND
Cadmium	<0.2 µg/L	5		ND
Chromium	<5 µg/L	100		ND
Copper*	27.9 µg/L	1,300		
Lead*	1.05 µg/L	15		
Manganese	<1 µg/L		50	ND
Mercury	<0.2 µg/L	2		ND
Nickel	<1 µg/L			ND
Selenium	<5 µg/L	50		ND
Silver	<1 µg/L		100	ND
Thallium	<1 µg/L	2		ND
Zinc	17.9 µg/L		5000	
<b>Analysis: Chloride by Lachat L 10-117-07-1-A</b>				
Chloride	5.23 mg/L		250	
<b>Analysis: Direct Hardness as CaCO<sub>3</sub> (Calculated) by Standard Methods 2340-B</b>				
Hardness as CaCO <sub>3</sub>	212 mg/L			
<b>Analysis: Fluoride by Lachat L 10-109-12-2-A</b>				
Fluoride	<0.1 mg/L	4	2	ND
<b>Analysis: Nitrate + Nitrite as N by Lachat L 10-107-04-1-C</b>				
Nitrate + Nitrite as N	0.487 mg/L	10		
<b>Analysis: pH – Water by Standard Methods 4500-H-B</b>				
pH	7.93 pH			

Analyte	Result	MCL	SS	Qualifier(s)
<b>Analysis: Sulfate by Lachat L 10-116-10-2-A</b>				
Sulfate	<5 mg/L		250	ND
<b>Analysis: Total Alkalinity as CaCO<sub>3</sub> by Lachat L 10-303-31-1-A</b>				
Total Alkalinity as CaCO <sub>3</sub>	205 mg/L			
<b>Analysis: Total Dissolved Solids by Standard Methods 2540-C</b>				
Total Dissolved Solids	202 mg/L		500	
<b>Analysis: Turbidity – IOC by EPA 180.1</b>				
Turbidity	<1 NTU			ND

MCL - A Maximum Contaminant Level (MCL) is the legal threshold limit on the amount of a substance that is allowed in drinking water under the Federal Safe Drinking Water Act. MCLs are health based, legally enforceable standards. Drinking water results below the MCLs are considered safe.

Lead and Copper samples have an Action Level (AL) and not an MCL. The AL levels for Lead and Copper are shown in the MCL column.

SS- Secondary Drinking Water Regulations (secondary standards) are non-enforceable guidelines regulating contaminants that may cause aesthetic effects in drinking water, such as taste, color or odor. It is recommended that water systems comply with secondary standards but water systems are not required to comply.

The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency.

If you have any questions, please contact Mr. Eric Medlock at (573) 522-5028.



**Data qualifiers used in this report:**

ND Not detected at reported value

**Units used in this report:**

µg/L	micrograms per liter
mg/L	milligrams per liter
NTU	nephelometric turbidity units
pH	pH units

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