

**SUMMARY OF WATER QUALITY REPORT
June 2022**

Summary Statement

To West Des Moines Water Works, the quality of water provided to its customers is of vital importance. Therefore, monitoring is conducted at least as often as required by rules of the U.S. Environmental Protection Agency and the Iowa Department of Natural Resources. For many substances, West Des Moines Water Works voluntarily monitors more frequently than is required by the governmental rules.

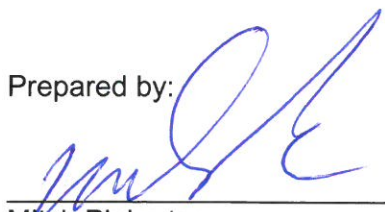
All U.S. Environmental Protection Agency and the Iowa Department of Natural Resources requirements are being met at this time.

For a complete list of all sampling results, please contact the West Des Moines Water Works Treatment Plant at (515) 222-3465.

New Test Results Received Since the Last Report

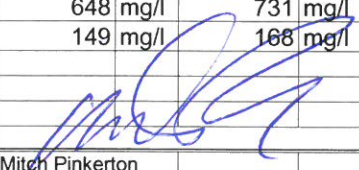
Water samples received during this month met or exceeded water quality standards.

Prepared by:



Mitch Pinkerton
Water Production Manager

WEST DES MOINES WATER WORKS
July 12, 2022

SUBSTANCES FREQUENTLY MONITORED BY						
WEST DES MOINES WATER WORKS						
RAW WATER (BEFORE TREATMENT)						
June 2022						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	1/week	250 mg/l	278 mg/l	232 mg/l		
Copper	1/week	0.07 mg/l	0.09 mg/l	0.05 mg/l		
Fluoride	1/week	1.3 mg/l	1.4 mg/l	1.2 mg/l		
Iron	1/week	0.29 mg/l	0.34 mg/l	0.24 mg/l		
Magnesium Hardness	1/week	108 mg/l	136 mg/l	96 mg/l		
Manganese	1/week	0.15 mg/l	0.17 mg/l	0.13 mg/l		
Nitrate as Nitrogen	1/week	0.17 mg/l	0.21 mg/l	0.13 mg/l		
Orthophosphate	1/week	0.10 mg/l	0.14 mg/l	0.07 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	1/week	0	0	0		
pH (pH units)	1/week	7.3	7.4	7.2		
Sulfate	1/week	405 mg/l	460 mg/l	350 mg/l		
Temperature	1/week	23 ° C	24 ° C	22 ° C		
Total Alkalinity/CaCO3	1/week	268	272	264		
Total Dissolved Solids	1/week	758 mg/l	788 mg/l	715 mg/l		
Total Hardness	1/week	357 mg/l	374 mg/l	338 mg/l		
FINISHED WATER (AFTER TREATMENT)						
(INCLUDES PURCHASED WATER)						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	6/day	84 mg/l	118 mg/l	74 mg/l		
Copper	1/week	0.01 mg/l	0.02 mg/l	0.01 mg/l		
Fluoride	1/day	1.1 mg/l	1.2 mg/l	1.0 mg/l		
Free Chlorine *	6/day	1.2 mg/l	1.6 mg/l	0.6 mg/l		
Iron	1/week	0.04 mg/l	0.05 mg/l	0.02 mg/l		
Magnesium Hardness	1/week	66 mg/l	79 mg/l	46 mg/l		
Manganese	1/day	0.01 mg/l	0.02 mg/l	0.00 mg/l		
Nitrate as Nitrogen	1/week	0.61 mg/l	0.83 mg/l	0.40 mg/l		
Orthophosphate	1/week	0.26 mg/l	0.30 mg/l	0.21 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	16	20	10		
pH (pH units)	6/day	9.3	9.4	9.1		
Polyphosphate	1/week	0.27 mg/l	0.39 mg/l	0.14 mg/l		
Sulfate	1/week	364 mg/l	410 mg/l	280 mg/l		
Temperature	1/week	22 ° C	24 ° C	21 ° C		
Total Alkalinity/CaCO3	6/day	67	72	59		
Total Chlorine	6/day	1.32 mg/l	1.76 mg/l	0.86 mg/l		
Total Dissolved Solids	2/day	648 mg/l	731 mg/l	598 mg/l		
Total Hardness	6/day	149 mg/l	168 mg/l	140 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works						
July 12, 2022						
		Mitch Pinkerton Water Production Manager				