

**SUMMARY OF WATER QUALITY REPORT
March 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

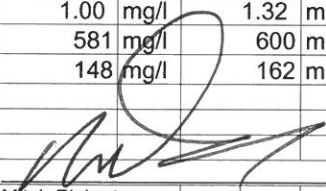
Water samples received during this month met or exceeded water quality standards.

Prepared by:



Mitch Pinkerton
Water Production Manager

WEST DES MOINES WATER WORKS
April 6, 2022

SUBSTANCES FREQUENTLY MONITORED BY WEST DES MOINES WATER WORKS RAW WATER (BEFORE TREATMENT)						
		March		2022		
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	1/week	255 mg/l	268 mg/l	240 mg/l		
Copper	1/week	0.07 mg/l	0.1 mg/l	0.05 mg/l		
Fluoride	1/week	1.8 mg/l	2.0 mg/l	1.8 mg/l		
Iron	1/week	0.30 mg/l	0.37 mg/l	0.26 mg/l		
Magnesium Hardness	1/week	80 mg/l	114 mg/l	42 mg/l		
Manganese	1/week	0.17 mg/l	0.20 mg/l	0.12 mg/l		
Nitrate as Nitrogen	1/week	0.14 mg/l	0.16 mg/l	0.12 mg/l		
Orthophosphate	1/week	0.19 mg/l	0.23 mg/l	0.17 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	1/week	0	0	0		
pH (pH units)	1/week	7.4	7.5	7.3		
Sulfate	1/week	342 mg/l	380 mg/l	306 mg/l		
Temperature	1/week	22 ° C	22 ° C	21 ° C		
Total Alkalinity/CaCO3	1/week	269	276	264		
Total Dissolved Solids	1/week	706 mg/l	716 mg/l	695 mg/l		
Total Hardness	1/week	334 mg/l	360 mg/l	282 mg/l		
FINISHED WATER (AFTER TREATMENT) (INCLUDES PURCHASED WATER)						
Substance	Test	Concentration				
	Frequency	Average	High	Low		
Calcium Hardness	6/day	79 mg/l	100 mg/l	69 mg/l		
Copper	1/week	0.02 mg/l	0.06 mg/l	0.01 mg/l		
Fluoride	1/day	1.2 mg/l	1.4 mg/l	1.1 mg/l		
Free Chlorine *	6/day	0.9 mg/l	1.2 mg/l	0.7 mg/l		
Iron	1/week	0.05 mg/l	0.1 mg/l	0.02 mg/l		
Magnesium Hardness	1/week	70 mg/l	81 mg/l	57 mg/l		
Manganese	1/week	0.01 mg/l	0.02 mg/l	0.00 mg/l		
Nitrate as Nitrogen	1/week	0.50 mg/l	0.61 mg/l	0.44 mg/l		
Orthophosphate	1/week	0.27 mg/l	0.32 mg/l	0.25 mg/l		
Phenolphthalein						
Alkalinity as CaCO3	6/day	16	24	9		
pH (pH units)	6/day	9.3	9.4	9.2		
Polyphosphate	1/week	0.24 mg/l	0.35 mg/l	0.18 mg/l		
Sulfate	1/week	385 mg/l	460 mg/l	310 mg/l		
Temperature	1/week	21 ° C	22 ° C	20 ° C		
Total Alkalinity/CaCO3	6/day	65	77	51		
Total Chlorine	6/day	1.00 mg/l	1.32 mg/l	0.73 mg/l		
Total Dissolved Solids	2/day	581 mg/l	600 mg/l	563 mg/l		
Total Hardness	6/day	148 mg/l	162 mg/l	138 mg/l		
* at Water Treatment Plant						
Prepared by West Des Moines Water Works April 6, 2022		 Mitch Pinkerton Water Production Manager				