	SUBSTAN	<b>CES FREQ</b>	UENT	LY MONIT	OREC	BY		
	WES	T DES MOI	VES V	VATER WO	RKS			
	RAW WATER (BEFORE TREATMENT)							
		D.C Iv		0040				
		March		2018				
	Test	Con	ation					
Substance	Frequency	Average	COTTLIC	High		Low		
Calcium Hardness	1/week		mg/l		mg/l		mg/l	
Copper	1/week		mg/l		mg/l		mg/l	
Fluoride	1/week		mg/l		mg/l		mg/l	
Iron	1/week	0.16		0.19		0.12		
Magnesium Hardness	1/week		mg/l		mg/l		mg/l	
Manganese	1/week	0.15		0.18			mg/l	
Nitrate as Nitrogen	1/week	0.13		0.10		0.11		
Orthophosphate	1/week							
Phenolphtalein	1/Week	0.09	mg/i	0.10	mg/l	0.06	mg/I	
Alkalinity as CaCO3	1/week	0		0		0		
	1/week	7.2		7.2		7.2		
pH (pH units) Sulfate	1/week		m ~ /1				m = /1	
	1/week		mg/l ° C		mg/l		mg/l ° C	
Temperature		-	٠.		٠.		٥٥	
Total Alkalinity/CaCO3	1/week	282	- 0	290		272		
Total Dissolved Solids	1/week		mg/l		mg/l		mg/l	
Total Hardness	1/week	348	mg/l	368	mg/l	318	mg/l	7
	FINISH	IED WATER	(AF	TER TREAT	IMEN	T)		
100 - 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		LUDES PUF				.,		
	•							
	Test	Concentration						
<u>Substance</u>	<u>Frequency</u>	<u>Average</u>		<u>High</u>		Low		
Calcium Hardness	6/day	72	mg/l	100	mg/l	61	mg/l	
Copper	1/week		mg/l	0.01	mg/l	0.01	mg/l	
Fluoride	1/day	1.3	mg/l	1.5	mg/l	1.2	mg/l	
Free Chlorine *	6/day	1.0	mg/l	1.3	mg/l	0.8	mg/l	
Iron	1/week		mg/l		mg/l		mg/l	
Magnesium Hardness	1/week		mg/l		mg/l		mg/l	
Manganese	1/week	0.009		0.016	mg/l	0.005		
Nitrate as Nitrogen	1/week		mg/l		mg/l		mg/l	
Orthophosphate	1/week		mg/l		mg/l		mg/l	74.0
Phenolphtalein								
Alkalinity as CaCO3	6/day	16		22		11		2-11-0
pH (pH units)	6/day	9.3		9.5		9.2		
Polyphosphate	1/week		mg/l		mg/l		mg/l	
Sulfate	1/week		mg/l		mg/l		mg/l	
Temperature	1/week		° C	24	° C		° C	100
Total Alkalinity/CaCO3	6/day	62		68		53		
Total Chlorine	6/day	1.12	ma/l	1.52		0.88		
Total Dissolved Solids	2/day	595	mg/l		mg/l		mg/l	
Total Hardness	6/day	137	mg/l	166	mg/l		mg/l	
			1	//				
at Water Treatment Plant		A.	/	Va -		100		
Prepared by West Des Moines Wat	er Works	1//12	-6	M				
April 5, 2018		Mitch Pinker		L.				
		Water Produ	ction N	Manager				

## SUMMARY OF WATER QUALITY REPORT March, 2018

## 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 5, 2018