



# Austin Water Utility

## CITY OF AUSTIN WATER QUALITY SUMMARY 1st Quarter 2019

Average Results for Samples Collected January 1, 2019 to March 31, 2019											
CONSTITUENT (mg/L)	DWTP	UWTP	HWTP	DWTP			UWTP			HWTP	SDWA Tap MCL/[SMCL]
	Raw	Raw	Raw	Tap		Tap	Tap	Tap	Tap		
Total Ammonia (as N)	---	---	---	0.58		0.64		0.60			
Free Ammonia (as N)	<0.05	<0.05	<0.05	0.06		0.13		0.08			
Calcium	47	47	44	14		14		13			
Chloramines	---	---	---	2.84		2.67		2.80			
Fluoride	0.18	0.18	0.18	0.68		0.60		0.63			4/[2]
Magnesium	16	16	16	12		13		13			
Sulfate	23.6	21.0	21.4	21.4		31.8		27.0			[250]
Total Phosphate	<0.05	<0.05	<0.05	0.65		0.86		0.92			
Total Hardness (as CaCO <sub>3</sub> )	184	184	174	84		88		86			
pH (units)	8.1	8.1	8.2	9.6		9.5		9.6			[>7.0]
Conductivity (umhos/cm)	431	432	412	272		276		301			
Total Alkalinity (as CaCO <sub>3</sub> )	159	158	152	60		60		65			
Phenol Alkalinity (as CaCO <sub>3</sub> )	0	0	0	16		14		15			
Total Solids	241	235	222	129		132		142			[500]
Threshold Odor (TON)	4	4	4	0		0		0			[3]
Total Organic Carbon	3.87	3.97	3.96	2.67		2.74		2.89			
Turbidity (NTU)	6.78	6.46	1.85	0.10		0.07		0.07			0.3
Silica	8.9	8.8	9.2	8.1		7.9		8.3			
UV254 (cm <sup>-1</sup> )	0.094	0.099	0.095	0.059		0.061		0.066			
Total Coliform (Col/100ml)	39	14	4	<1		<1		<1			
E.Coli (Col/100ml)	5	2	1	<1		<1		<1			

< set of averaged measurements contains results that are less than the method detection limit

Parameters listed below were collected and analyzed by TCEQ Contractors for compliance with the Safe Drinking Water Act.										
CONSTITUENT (mg/L)	DWTP	UWTP	HWTP	Central	Detection	South	Detection	North	Detection	SDWA Tap
	Raw	Raw	Raw	Tap	Limit	Tap	Limit	Tap	Limit	MCL/[SMCL] in mg/L
<b>Disinfection By Products, Collected On:</b>				<b>2/7/2019</b>		<b>2/7/2019</b>		<b>2/7/2019</b>		
Haloacetic Acids (HAA5)	&	&	&	0.0152		0.0161		0.0149		0.060
Trihalomethane	&	&	&	0.0421		0.0396		0.0422		0.080
CONSTITUENT (mg/L)	DWTP	UWTP	HWTP	DWTP	Detection	UWTP	Detection	HWTP	Detection	SDWA Tap
	Raw	Raw	Raw	Tap	Limit	Tap	Limit	Tap	Limit	MCL/[SMCL] in mg/L
<b>Pesticides, Collected On:</b>				<b>8/2/2018</b>		<b>2/6/2018</b>		<b>2/6/2018</b>		
Endrin	&	&	&	ND	0.00001	ND	0.00001	ND	0.00001	0.002
Lindane	&	&	&	ND	0.00002	ND	0.00002	ND	0.00002	0.0002
Methoxychlor	&	&	&	ND	0.0001	ND	0.0001	ND	0.0001	0.04
<b>Inorganics, Collected On:</b>				<b>8/2/2018</b>		<b>2/7/2019</b>		<b>2/7/2019</b>		
Chloride	&	&	&	34		31		36		[250]
Sodium	&	&	&	18.4		16.9		23.1		---
<b>Metals, Collected On:</b>				<b>8/2/2018</b>		<b>2/7/2019</b>		<b>2/7/2019</b>		
Aluminum	&	&	&	ND	0.0200	ND	0.0200	ND	0.0200	[0.05 - 0.2]
Arsenic	&	&	&	ND	0.0020	ND	0.0020	ND	0.0020	0.01
Barium	&	&	&	0.0104		0.0102		0.0102		2
Cadmium	&	&	&	ND	0.0010	ND	0.0010	ND	0.0010	0.005
Chromium	&	&	&	ND	0.0100	ND	0.0100	ND	0.0100	0.1
Copper	&	&	&	ND	0.0020	ND	0.0020	0.0072	0.0020	1.3 **
Iron	&	&	&	0.030	0.010	0.017	0.010	0.040	0.010	[0.3]
Lead	&	&	&	ND	0.0010	ND	0.0010	ND	0.0010	0.015 **
Manganese	&	&	&	ND	0.0010	ND	0.0010	ND	0.0010	[0.05]
Mercury	&	&	&	ND	0.00040	ND	0.00040	ND	0.00040	0.002
Nickel	&	&	&	ND	0.0010	ND	0.0010	ND	0.0010	[0.10]
Selenium	&	&	&	ND	0.0030	ND	0.0030	ND	0.0030	0.05
Silver	&	&	&	ND	0.0100	ND	0.0100	ND	0.0100	[0.1]
Antimony	&	&	&	ND	0.0010	ND	0.0010	ND	0.0010	0.006
Beryllium	&	&	&	ND	0.00080	ND	0.00080	ND	0.00080	0.004
Thallium	&	&	&	ND	0.00040	ND	0.00040	ND	0.00040	0.002
Zinc	&	&	&	ND	0.0050	ND	0.0050	ND	0.0050	[5.0]

SDWA MCL = Safe Drinking Water Act Maximum Contaminant Level

SMCL = Secondary Maximum Contaminant Level standard recommended by TCEQ for aesthetic quality

\*\* = Action Levels

ND = Indicates levels are below detection limits of the instrumentation or method

& = No data available

col/100ml = Colonies per 100 milliliters

mg/L = milligrams per liter