



# Austin Water Utility

## CITY OF AUSTIN WATER QUALITY SUMMARY 4th Quarter 2016

Average Results for Samples Collected October 1, 2016 to December 31, 2016										
CONSTITUENT (mg/L)	DWTP	UWTP	WTP4	DWTP	UWTP	WTP4				SDWA Tap MCL/[SMCL]
	Raw	Raw	Raw	Tap	Tap	Tap				
Total Ammonia (as N)	---	---	---	---	---	---				
Free Ammonia (as N)	0.05	0.05	0.05	0.08	0.13	0.10				
Calcium	47	47	43	12	14	13				
Chloramines	---	---	---	2.96	2.91	2.83				
Fluoride	0.19	0.19	0.19	0.76	0.64	0.71				4/[2]
Magnesium	16	16	16	12	10	12				
Sulfate	20.5	20.8	22.2	29.4	22.6	35.0				[250]
Total Phosphate	0.05	0.05	0.05	0.98	1.26	0.87				
Total Hardness (as CaCO <sub>3</sub> )	182	182	176	78	79	82				
pH (units)	8.1	8.0	8.1	9.6	9.6	9.6				>7.0 ]
Conductivity (umhos/cm)	433	434	426	256	265	301				
Total Alkalinity (as CaCO <sub>3</sub> )	161	162	154	55	54	62				
Phenol Alkalinity (as CaCO <sub>3</sub> )	0	0	0	16	15	16				
Total Solids	234	235	223	130	132	154				[500]
Threshold Odor (TON)	4	4	4	0	0	0				[3]
Total Organic Carbon	4.19	4.10	4.20	3.03	2.87	2.97				
Turbidity (NTU)	4.44	3.18	1.11	0.06	0.03	0.04				0.3
Silica	9.2	9.3	7.8	9.0	8.3	7.0				
UV254 (cm <sup>-1</sup> )	0.100	0.100	0.090	0.070	0.060	0.060				
Total Coliform (Col/100ml)	50	31	4	<1	<1	<1				
E.Coli (Col/100ml)	3	3	<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	WTP4	Central	Detection	South	Detection	North	Detection	SDWA Tap MCL/[SMCL] in mg/L
	Raw	Raw	Raw	Tap	Limit	Tap	Limit	Tap	Limit	
<b>Disinfection By Products, Collected On:</b>				12/15/2016		12/15/2016		12/15/2016		
Haloacetic Acids (HAA5)	&	&	&	0.0180		0.0189		0.0172		0.060
Trihalomethane	&	&	&	0.0330		0.0383		0.0474		0.080
CONSTITUENT (mg/L)	DWTP	UWTP	WTP4	DWTP	Detection	UWTP	Detection	WTP4	Detection	SDWA Tap MCL/[SMCL] in mg/L
	Raw	Raw	Raw	Tap	Limit	Tap	Limit	Tap	Limit	
<b>Pesticides, Collected On:</b>				2/25/2016		2/25/2016		11/17/2015		
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>				2/25/2016		2/25/2016		2/25/2016		
Chloride	&	&	&	44		45		39		[250]
Sodium	&	&	&	23.9		23.7		24.4		---
<b>Metals, Collected On:</b>				2/25/2016		2/25/2016		2/25/2016		
Aluminum	&	&	&	ND	0.0200	ND	0.0200	N/A	0.0200	[0.05 - 0.2]
Arsenic	&	&	&	ND	0.0020	ND	0.0020	N/A	0.0020	0.01
Barium	&	&	&	0.0063		0.0114		0.0097		2
Cadmium	&	&	&	ND	0.0010	ND	0.0010	N/A	0.0010	0.005
Chromium	&	&	&	ND	0.0100	ND	0.0100	N/A	0.0100	0.1
Copper	&	&	&	ND	0.0020	ND	0.0020	0.0157	0.0020	1.3 **
Iron	&	&	&	0.014	0.010	ND	0.010	0.032	0.010	[0.3]
Lead	&	&	&	ND	0.0010	ND	0.0010	N/A	0.0010	0.015 **
Manganese	&	&	&	ND	0.0010	ND	0.0010	N/A	0.0010	[0.05]
Mercury	&	&	&	ND	0.00040	ND	0.00040	N/A	0.00040	0.002
Nickel	&	&	&	ND	0.0010	ND	0.0010	N/A	0.0010	[0.10]
Selenium	&	&	&	ND	0.0030	ND	0.0030	N/A	0.0030	0.05
Silver	&	&	&	ND	0.0100	ND	0.0100	N/A	0.0100	[0.1]
Antimony	&	&	&	ND	0.0010	ND	0.0010	N/A	0.0010	0.006
Beryllium	&	&	&	ND	0.00080	ND	0.00080	N/A	0.00080	0.004
Thallium	&	&	&	ND	0.00040	ND	0.00040	N/A	0.00040	0.002
Zinc	&	&	&	ND	0.0050	ND	0.0050	N/A	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