



Austin Water Utility

CITY OF AUSTIN WATER QUALITY SUMMARY 3rd Quarter 2016

Average Results for Samples Collected July 1, 2016 to September 30, 2016										
CONSTITUENT (mg/L)	DWTP	UWTP	WTP4	DWTP	UWTP	WTP4	SDWA Tap			
	Raw	Raw	Raw	Tap	Tap	Tap	MCL/[SMCL]			
Total Ammonia (as N)	---	---	---	0.77	0.81	0.74				
Free Ammonia (as N)	0.06	0.05	0.04	0.10	0.19	0.12				
Calcium	50	50	43	12	16	13				
Chloramines	---	---	---	2.83	2.76	2.78				
Fluoride	0.18	0.18	0.19	0.70	0.71	0.71	4/[2]			
Magnesium	15	15	17	10	9	11				
Sulfate	21.8	22.5	22.4	28.3	26.4	35.4	[250]			
Total Phosphate	0.05	0.06	0.06	0.94	1.03	0.93				
Total Hardness (as CaCO ₃)	187	186	177	73	76	79				
pH (units)	8.2	8.0	8.0	9.7	9.7	9.6	[>7.0]			
Conductivity (umhos/cm)	442	443	427	253	262	302				
Total Alkalinity (as CaCO ₃)	164	164	152	48	50	58				
Phenol Alkalinity (as CaCO ₃)	0	0	0	16	16	16				
Total Solids	239	233	219	115	123	146	[500]			
Threshold Odor (TON)	4	4	4	0	0	0	[3]			
Total Organic Carbon	4.37	4.28	4.32	2.84	2.65	2.86				
Turbidity (NTU)	4.61	2.37	0.96	0.06	0.03	0.05	0.3			
Silica	9.1	9.2	7.6	8.0	7.7	7.1				
UV254 (cm ⁻¹)	0.100	0.100	0.090	0.060	0.060	0.060				
Total Coliform (Col/100ml)	115	36	11	<1	<1	<1				
E.Coli (Col/100ml)	12	5	<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
	Raw	Raw	Raw	Tap	Limit	Tap	Limit	Tap	Limit	MCL/[SMCL] in mg/L
Disinfection By Products, Collected On:				6/7/2016		6/7/2016		6/7/2016		
Haloacetic Acids (HAA5)	&	&	&	0.0184		0.0176		0.0109		0.060
Trihalomethane	&	&	&	0.0546		0.0412		0.0418		0.080
CONSTITUENT (mg/L)				DWTP	Detection	UWTP	Detection	WTP4	Detection	SDWA Tap
				Raw	Limit	Tap	Limit	Tap	Limit	MCL/[SMCL] in mg/L
Pesticides, Collected On:				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
Inorganics, Collected On:				2/25/2016		2/25/2016		2/25/2016		
Chloride	&	&	&	44		45		39		[250]
Sodium	&	&	&	23.9		23.7		24.4		---
Metals, Collected On:				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