Austin Water Utility

CITY OF AUSTIN
WATER QUALITY SUMMARY
2nd Quarter 2016

Average Results for Samples Collected April 1, 2016 to June 30, 2016										
CONSTITUENT (mg/L)	**DWTP Raw**	**UWTP Raw**	**WTP4 Raw**	**DWTP Tap**		**UWTP Tap**		**WTP4 Tap**		**SDWA Tap MCL/[SMCL]**
Total Ammonia (as N)	---	---	---	---		---		---		
Free Ammonia (as N)	<0.06	<0.06	<0.06	0.09		0.10		0.09		
Calcium	50	50	47	11		14		14		
Chloramines	---	---	---	2.64		2.60		2.58		
Fluoride	0.20	0.19	0.19	0.72		0.68		0.69		4/[2]
Magnesium	18	18	18	15		13		14		
Sulfate	26.4	26.8	25.1	30.7		32.9		34.6		[250]
Total Phosphate	<0.05	<0.05	<0.05	0.94		1.07		0.93		
Total Hardness (as $CaCO_3$)	199	199	192	91		87		93		
pH (units)	8.1	8.1	8.3	9.6		9.6		9.6		[>7.0]
Conductivity (umhos/cm)	473	469	446	287		286		313		
Total Alkalinity (as $CaCO_3$)	173	173	167	61		57		69		
Phenol Alkalinity (as $CaCO_3$)	0	1	0	16		15		16		
Total Solids	250	243	234	137		126		147		[500]
Threshold Odor (TON)	4	4	4	0		0		0		[3]
Total Organic Carbon	3.87	3.92	4.19	2.93		2.67		2.82		
Turbidity (NTU)	5.96	3.81	0.80	0.07		0.03		0.05		0.3
Silica	8.5	8.7	7.4	8.5		8.1		7.2		
UV254 (cm^{-1})	0.090	0.090	0.080	0.060		0.060		0.060		
Total Coliform (Col/100ml)	234	96	9	<1		<1		<1		
E.Coli (Col/100ml)	26	12	<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 Raw**	**UWTP Raw**	**WTP4 Raw**	**Central Tap**	**Detection Limit**	**South Tap**	**Detection Limit**	**North Tap**	**Detection Limit**	**SDWA Tap 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 Raw**	**UWTP Raw**	**WTP4 Raw**	**DWTP Tap**	**Detection Limit**	**UWTP Tap**	**Detection Limit**	**WTP4 Tap**	**Detection Limit**	**SDWA Tap 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