



# Austin Water Utility

## CITY OF AUSTIN WATER QUALITY SUMMARY 2nd Quarter 2018

### Average Results for Samples Collected April 1, 2018 to June 30, 2018

CONSTITUENT (mg/L)	DWTP	UWTP	WTP4	DWTP	UWTP	WTP4	SDWA Tap MCL/[SMCL]
	Raw	Raw	Raw	Tap	Tap	Tap	
Total Ammonia (as N)	42.3	---	---	0.56	0.56	0.55	
Free Ammonia (as N)	<0.05	<0.05	<0.05	0.06	0.09	0.06	
Calcium	45	45	40	10	13	12	
Chloramines	---	---	---	2.68	2.52	2.58	
Fluoride	0.21	0.21	0.21	0.76	0.63	0.68	4/[2]
Magnesium	19	19	19	15	13	14	
Sulfate	27.0	28.2	23.4	20.9	33.4	31.8	[250]
Total Phosphate	<0.05	<0.05	<0.05	0.89	0.94	0.89	
Total Hardness (as CaCO <sub>3</sub> )	190	189	178	87	87	89	
pH (units)	8.1	8.1	8.5	9.7	9.6	9.6	[>7.0]
Conductivity (umhos/cm)	459	461	435	290	291	319	
Total Alkalinity (as CaCO <sub>3</sub> )	167	166	158	61	59	69	
Phenol Alkalinity (as CaCO <sub>3</sub> )	0	0	2	17	16	17	
Total Solids	255	251	230	154	151	162	[500]
Threshold Odor (TON)	4	4	4	0	0	0	[3]
Total Organic Carbon	3.66	3.64	3.58	2.66	2.56	2.61	
Turbidity (NTU)	4.09	2.13	0.66	0.05	0.03	0.03	0.3
Silica	7.5	7.3	7.1	7.1	6.7	6.6	
UV254 (cm <sup>-1</sup> )	0.066	0.065	0.059	0.050	0.047	0.047	
Total Coliform (Col/100ml)	39	14	1	<1	<1	<1	
E.Coli (Col/100ml)	4	2	0	<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>				<b>5/8/2018</b>		<b>5/8/2018</b>		<b>5/8/2018</b>		
Haloacetic Acids (HAA5)	&	&	&	0.0143		0.0143		0.0123		0.060
Trihalomethane	&	&	&	0.0432		0.0371		0.0357		0.080
CONSTITUENT (mg/L)	DWTP	UWTP	WTP4	DWTP	Detection	UWTP	Detection	WTP4	Detection	SDWA Tap
	Raw	Raw	Raw	Tap	Limit	Tap	Limit	Tap	Limit	MCL/[SMCL] in mg/L
<b>Pesticides, Collected On:</b>				<b>3/14/2017</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>3/14/2017</b>		<b>2/6/2018</b>		<b>2/6/2018</b>		
Chloride	&	&	&	32		35		39		[250]
Sodium	&	&	&	18.0		18.9		24.1		---
<b>Metals, Collected On:</b>				<b>3/14/2017</b>		<b>2/6/2018</b>		<b>2/6/2018</b>		
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	&	&	&	0.0065		0.0102		0.012		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	0.0086	0.0020	1.3 **
Iron	&	&	&	ND	0.010	0.017	0.010	0.021	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