

## Artesian Well - 800 South 500 East

### 2018 Data

The information below represents annual sampling for full chemistry and organics. Weekly bacteria testing for total coliform, e-coli and heterotrophic plate count (HPC) also are performed. For any questions concerning these tests and/or results, contact the Water Quality Administrator - Marian Rice at 801-483-6765 or Marian.Rice@slcgov.com

<b>CHEMISTRY</b>		
<b>Analyte</b>	<b>Results (mg/L or ppm)<sup>1</sup></b>	<b>EPA Max Contaminant Level<sup>2</sup> (mg/L / ppm)</b>
Alkalinity Titration	302	
Aluminum	<0.100	0.2 <sup>a</sup>
Ammonia as N	<0.050	
Antimony	<0.002	0.006
Arsenic	<0.002	0.01
Barium	0.0388	2
Beryllium	<0.002	0.004
Bromide	<0.5	
Cadmium	<0.0005	0.005
Calcium	141	
Chloride	174	250
Chromium	<0.002	0.1
Copper	<0.002	Action Level <sup>3</sup> = 1.3
Fluoride	0.166	4
Hardness	578	
Iron	<0.1	0.3 <sup>a</sup>
Langelier Index	0.418	
Lead	<0.002	Action Level = 0.015
Magnesium	54.7	
Manganese	0.00567	
Mercury	<0.00015	0.002
Molybdenum	<0.002	
Nickel	<0.005	
Nitrate-N	3.92	10
Nitrite-N	<0.01	1
Ortho-Phosphate as P	<0.05	
pH	7.13	
Potassium	3.13	
Selenium	<0.002	0.05
Silver	<0.002	0.1 <sup>a</sup>
Sodium	62.9	
Sulfate	157	250 <sup>a</sup>
Thallium	<0.002	0.002
Total Cyanide	<0.005	0.2
Total Dissolved Solids	750	2000 <sup>b</sup>
Total Organic Carbon	<0.1	
UV254 cm-1	<0.009	
Vanadium	<0.00440	
Zinc	<0.005	5 <sup>a</sup>

<b>ORGANICS</b>		
<b>Analyte</b>	<b>Results (µg/L or ppb)<sup>4</sup></b>	<b>EPA Max Contaminant Level (µg/L / ppb)</b>
<b>Carbamates</b>		
3-Hydroxycarbofuran	ND <sup>5</sup>	
Aldicarb	ND	
Aldicarb sulfone	ND	
Aldicarb sulfoxide	ND	
Carbaryl	ND	
Carbofuran	ND	40
Methomyl	ND	
Oxamyl	ND	200
<b>Herbicides</b>		
2,4,5-TP (Silvex)	ND	50
2,4-D	ND	70
Dalapon	ND	200
Dicamba	ND	
Dinoseb	ND	7
Pentachlorophenol	ND	1
Picloram	ND	500
<b>Pesticides</b>		
Endrin	ND	2
Heptachlor	ND	0.4
Heptachlor epoxide	ND	0.2
Lindane	ND	0.2
Methoxychlor	ND	40
PCB-1016	ND	0.2
PCB-1221	ND	0.5
PCB-1232	ND	0.5
PCB-1242	ND	0.5
PCB-1248	ND	0.5
PCB-1254	ND	0.5
PCB-1260	ND	0.5
PCB - Total	ND	0.5
Toxaphene	ND	3
<b>Semi-Volatile Compounds</b>		
Alachlor	ND	2
Aldrin	ND	
Atrazine	ND	3
Benzo (a) pyrene	ND	0.2
Bis(2-ethylhexyl) adipate	ND	400
Bis (2-ethylhexyl) Phthalate	ND	6
Butachlor	ND	
alpha-Chlordane	ND	2
gamma-Chlordane	ND	2
Chlordane - Total	ND	2
Dieldrin	ND	
Hexachlorobenzene	ND	1

Hexachlorocyclopentadiene	ND	50
Metolachlor	ND	
Metribuzin	ND	
Propachlor	ND	
Simazine	ND	4
<b>Volatile Organic Compounds</b>		
1,1,1,2-Tetrachloroethane	ND	
1,1,1-Trichloroethane	ND	200
1,1,2,2-Tetrachloroethane	ND	
1,1,2-Trichloroethane	ND	5
1,1,2-Trichlorotrifluoroethane	ND	
1,1-Dichloroethane	ND	7
1,1-Dichloroethene	ND	
1,1-Dichloropropene	ND	
1,2,3-Trichlorobenzene	ND	
1,2,3-Trichloropropane	ND	
1,2,4-Trichlorobenzene	ND	70
1,2,4-Trimethylbenzene	ND	70
1,2-Dichlorobenzene	ND	600
1,2-Dichloroethane	ND	5
1,2-Dichloropropane	ND	5
1,3,5-Trimethylbenzene	ND	
1,3-Dichlorobenzene	ND	
1,3-Dichloropropane	ND	
1,4-Dichlorobenzene	ND	75
2,2-Dichloropropane	ND	
2-Chlorotoluene	ND	
4-Chlorotoluene	ND	
Benzene	ND	5
Bromobenzene	ND	
Bromochloromethane	ND	
Bromodichloromethane	ND	
Bromoform	ND	
Bromomethane	ND	
Carbon Tetrachloride	ND	5
Chlorobenzene	ND	100
Chloroethane	ND	
Chloroform	2.0 *	
Chloromethane	ND	
cis-1,2-Dichloroethene	ND	
cis-1,3-Dichloropropene	ND	
Dibromochloromethane	ND	
Dibromomethane	ND	
Dichlorodifluoromethane	ND	
Ethyl Benzene	ND	700
Hexachlorobutadiene	ND	
Isopropylbenzene	ND	
Methyl tert-Butyl Ether (MTBE)	ND	
Methylene Chloride	ND	5

Naphthalene	ND	
n-Butyl Benzene	ND	
n-Propyl Benzene	ND	
p-Isopropyltoluene	ND	
sec-Butyl Benzene	ND	
Styrene	ND	100
tert-Butylbenzene	ND	
Tetrachloroethene	ND	5
Toluene	ND	1000
trans-1,2-Dichloroethene	ND	100
trans-1,3-Dichloropropene	ND	
Trichloroethene	ND	5
Trichlorofluoromethane	ND	
Vinyl Chloride	ND	2
Xylenes, total	ND	10000
<b>RADIONUCLIDES<sup>6</sup></b>		
<b>Analyte</b>	<b>Results (Picocuries/L )</b>	<b>EPA Max Contaminant Level (Picocuries/L)</b>
Gross Alpha	<2	15
Radium 228	<1	5

<sup>1</sup> Units are in milligrams per liter ( $\mu\text{g/L}$ ). Milligrams per liter are equivalent to parts per million (1 penny in \$10,000).

<sup>2</sup> Max Contaminant Level (MCL) - The highest or maximum level of a contaminant that is allowed in drinking water.

<sup>3</sup> Action Level - The level of lead or copper which, if exceeded in over 10% of homes tested, triggers treatment or other requirements that a water system must follow.

<sup>4</sup> Units are in micrograms per liter ( $\mu\text{g/L}$ ). Micrograms per liter are equivalent to parts per billion (1 penny in \$10 million).

<sup>5</sup> Non Detect (ND) - Indicates that the analyte was not present in the sample.

<sup>6</sup> Radionuclides results are from 2012.

<sup>a</sup> Secondary Drinking Water Standards MCL

<sup>b</sup> Utah State Primary Standard

\* Detection of Chloriform may be due to the irrigation of surface areas with chlorinated water.