Artesian Well - 800 South 500 East

2022 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) are also performed. For any questions concerning these tests and/or results, please contact the Salt Lake City Department of Public Utilities Water Quality Division: Arlene Larsen at 801-483-6832 or arlene.larsen@slcgov.com.

CHEMISTRY		
Analyte	**Results (mg/L or ppm)[1]**	**EPA Max Contaminant Level[2] (mg/L / ppm)**
Alkalinity Titration	270	
Aluminum	0.06	0.2[a]
Ammonia as N	ND[3]	
Antimony	ND	0.006
Arsenic	0.001	0.01
Barium	0.039	2
Beryllium	ND	0.004
Bromide	0.09	
Cadmium	ND	0.005
Calcium	121	
Chloride	168	250
Chromium	ND	0.1
Copper	ND	Action Level[4] = 1.3
Fluoride	ND	4
Hardness	512	
Iron	ND	0.3[a]
Langelier Index	0.02	
Lead	ND	Action Level[4] = 0.015
Magnesium	51.1	
Manganese	0.0107	
Mercury	ND	0.002
Molybdenum	ND	
Nickel	ND	
Nitrate-N	3.1	10
Nitrite-N	ND	1
Ortho-Phosphate as P	0.04	
pH	7.2	
Perchlorate	3.2[5,c]	
Potassium	2.9	
Selenium	0.0016	0.05
Silver	ND	0.1[a]
Sodium	59.4	
Sulfate	148	250[a]
Thallium	ND	0.002
Total Cyanide	ND	0.2
Total Dissolved Solids	768	2000[b]
Total Organic Carbon	ND	
UV254 cm-1	0.03	
Vanadium	ND	

Zinc	ND	5[a]
ORGANICS		
Analyte	**Results (µg/L or ppb)[5]**	**EPA Max Contaminant Level (µg/L / ppb)**
Carbamates		
3-Hydroxycarbofuran	ND	
Aldicarb	ND	
Aldicarb sulfone	ND	
Aldicarb sulfoxide	ND	
Carbaryl	ND	
Carbofuran	ND	40
Methomyl	ND	
Oxamyl	ND	200
Herbicides		
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
Pesticides		
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
Semi-Volatile Compounds		
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
Volatile Organic Compounds		
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	1.7 *	
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
RADIONUCLIDES[6]		
Analyte	**Results (Picocuries/L)**	**EPA Max Contaminant Level (Picocuries/L)**
Gross Alpha	<2	15
Radium 228	<1	5

[1] Units are in milligrams per liter (µg/L). Milligrams per liter are equivalent to parts per million (1 penny in $10,000).

[2] Max Contaminant Level (MCL) - The highest or maximum level of a contaminant that is allowed in drinking water.

[3] Non Detect (ND) - Indicates that the analyte was not present in the sample.

[4] 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.

[5] Units are in micrograms per liter (µg/L). Micrograms per liter are equilivant to parts per billion (1 penny in $10 million).

[6] Radionuclides results are from 2012.

[a] Secondary Drinking Water Standards MCL

[b] Utah State Primary Standard

[c] Perchlorate is both a naturally occurring and man-made chemical that is used to produce rocket fuel, fireworks, flares and explosives. Perchlorate can also be present in bleach and in some fertilizers. Low levels of perchlorate are found in this well may or may not be naturally occuring. See link below for more information on Perchlorates.

https://www.epa.gov/sdwa/perchlorate-drinking-water

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