

Artesian Well - 800 South 500 East

2025 Data

The Artesian Well is not a regulated drinking water source and is not a part of Salt Lake City's public drinking water system. 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: Dustin White at 801-483-6867 or dustin.white@slc.gov.

| CHEMISTRY | | |
|------------------------|------------------------------------|--|
| Analyte | Results (mg/L or ppm) ¹ | EPA Max Contaminant Level ² (mg/L / ppm) |
| Alkalinity Titration | 268 | |
| Aluminum | ND ³ | 0.2 ^a |
| Ammonia as N | ND | |
| Antimony | ND | 0.006 |
| Arsenic | 0.0011 | 0.01 |
| Barium | 0.037 | 2 |
| Beryllium | ND | 0.004 |
| Bromide | 0.02 | |
| Cadmium | ND | 0.005 |
| Calcium | 130 | |
| Chloride | 179 | 250 |
| Chromium | ND | 0.1 |
| Copper | ND | Action Level ⁴ = 1.3 |
| Fluoride | 0.122 | 4 |
| Hardness | 535 | |
| Iron | ND | 0.3 ^a |
| Langelier Index | 0.08 | |
| Lead | ND | Action Level ⁴ = 0.015 |
| Magnesium | 51.4 | |
| Manganese | 0.0080 | .05 ^a |
| Mercury | ND | 0.002 |
| Molybdenum | ND | |
| Nickel | ND | |
| Nitrate-N | 3.58 | 10 |
| Nitrite-N | ND | 1 |
| Ortho-Phosphate as P | ND | |
| pH | 7.3 | |
| Potassium | 2.9 | |
| Selenium | 0.0016 | 0.05 |
| Silver | ND | 0.1 ^a |
| Sodium | 59.2 | |
| Sulfate | 138 | 250 ^a |
| Thallium | ND | 0.002 |
| Total Cyanide | ND | 0.2 |
| Total Dissolved Solids | 772 | 1000 ^b |
| Total Organic Carbon | 0.5 | |
| UV254 cm-1 | 0.009 | |
| Vanadium | ND | |

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| 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 | 0.5 |
| 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 |

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| 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 | |
| 1,1-Dichloroethene | ND | 7 |
| 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 | 2.6 * | |
| Chloromethane | ND | |
| cis-1,2-Dichloroethene | ND | 70 |
| cis-1,3-Dichloropropene | ND | |
| Dibromochloromethane | ND | |
| Dibromomethane | ND | 5 |
| Dichlorodifluoromethane | ND | |
| Ethyl Benzene | ND | 700 |
| Hexachlorobutadiene | ND | |
| Isopropylbenzene | ND | |

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| 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 |
| RADIONUCLIDES⁶ | | |
| Analyte | Results (Picocuries/L) | EPA Max Contaminant Level (Picocuries/L) |
| Gross Alpha | <2 | 15 |
| Radium 228 | <1 | 5 |

| PERCHLORATE⁷ | | | |
|---|--|--|----------------------------------|
| Analyte | Results (mg/L or ppm)¹ | Results (µg/L or ppb)⁵ | EPA Max Contaminant Level |
| Perchlorate | .00334 | 3.34 | |
| 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 and may or may not be naturally occurring. See link below for more information on Perchlorate. https://www.epa.gov/sdwa/perchlorate-drinking-water | | | |

| Per- and Polyfluoroalkyl Substances (PFAS) | | |
|--|--|--|
| Analyte | Results (ng/L or ppt)⁸ | EPA Max Contaminant Level (ng/L or ppt)⁸ |
| 11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS) | ND | |
| 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS) | ND | |
| 1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2 FTS) | ND | |
| 1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2 FTS) | ND | |
| 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) | ND | |
| 9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid(9Cl-PF3ONS) | ND | |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA/GenX) | ND | ** |
| Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) | ND | |
| Perfluoro (2-ethoxyethane) sulfonic acid (PFEEESA) | ND | |
| Perfluoro-3-methoxypropanoic acid (PFMPA) | ND | |

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| Perfluoro-4-methoxybutanoic acid (PFMBA) | ND | |
| Perfluorobutanesulfonic acid (PFBS) | ND | |
| Perfluorobutanoic acid (PFBA) | 3.64 | |
| Perfluorodecanoic acid (PFDA) | ND | |
| Perfluorododecanoic acid (PFDoA) | ND | |
| Perfluoroheptanesulfonic acid (PFHpS) | ND | |
| Perfluoroheptanoic acid (PFHpA) | ND | |
| Perfluorohexanesulfonic acid (PFHxS) | ND | ** |
| Perfluorohexanoic acid (PFHxA) | ND | |
| Perfluorononanoic acid (PFNA) | ND | ** |
| Perfluorooctanesulfonic acid (PFOS) | ND | 4 |
| Perfluorooctanoic acid (PFOA) | ND | 4 |
| Perfluoropentanesulfonic acid (PFPeS) | ND | |
| Perfluoropentanoic acid (PFPeA) | ND | |
| Perfluoroundecanoic acid (PFUnA) | ND | |
| <p>PFAS are not naturally occurring in the environment; they are man-made compounds that have been used widely over the past several decades in consumer products and industrial applications because of their resistance to heat, oil, stains, grease, and water. This well has found low levels of PFBA which is a breakdown product of other PFAS. See link below for more information on PFAS.</p> <p>https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas#Regs</p> | | |

¹ Units are in milligrams per liter (mg/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 equivalent to parts per billion (1 penny in \$10 million)

⁶ Radionuclides results are from 2023

⁷ Perchlorate results are from 2024

⁸ Units are in nanograms per Liter (ng/L); nanograms per liter are equivalent to parts per trillion (1 penny in \$10 billion)

^a Secondary Drinking Water Standards MCL

^b Utah State Primary Standard

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

** Regulations for these contaminants are under review by the EPA