2018 Consumer Confidence Report for Public Water System RICE WSC

This is your water quality report for January 1 to December 31, 2018

RICE WSC provides surface water from Navarro Mills Lake, Lake Halbert and Lake
Bardwell located in Navarro and Ellis Counties.

Phone 903-326-5551

Este reporte incluye información importante sobre el agua para tomar. Para asistencia en español, favor de llamar al telefono (903)326-5551.

Definitions and Abbreviations

Definitions and Abbreviations The following tables contain scientific terms and measures, some of which may require explanation.

Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety.

Avg: Regulatory compliance with some MCLs are based on running annual average of monthly samples.

Level 1 Assessment: A Level 1 assessment is a study of the water system to identify potential problems and determine (if possible) why total coliform bacteria have been found in our water

system

Level 2 Assessment: A Level 2 assessment is a very detailed study of the water system to identify potential problems and determine (if possible) why an E. coli MCL violation has occurred

and/or why total coliform bacteria have been found in our water system on multiple occasions.

Maximum Contaminant Level or MCL: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal or MCLG: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum residual disinfectant level or MRDL: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial

contaminants.

Maximum residual disinfectant level goal or MRDLG: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to

control microbial contaminants.

MFL million fibers per liter (a measure of asbestos)

mrem: millirems per year (a measure of radiation absorbed by the body)

na: not applicable.

NTU nephelometric turbidity units (a measure of turbidity)

pCi/L picocuries per liter (a measure of radioactivity)

Definitions and Abbreviations

ppb: micrograms per liter or parts per billion - or one ounce in 7,350,000 gallons of water.

ppm: milligrams per liter or parts per million - or one ounce in 7,350 gallons of water.

ppt parts per quadrillion, or picograms per liter (pg/L)

ppt parts per trillion, or nanograms per liter (ng/L)

Treatment Technique or TT: A required process intended to reduce the level of a contaminant in drinking water.

Information about your Drinking Water

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPAs Safe Drinking Water Hotline at (800) 426-4791.

Contaminants that may be present in source water include:

- Microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- Inorganic contaminants, such as salts and metals, which can be naturally-occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- Pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.
- Organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.
- Radioactive contaminants, which can be naturally-occurring or be the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information on taste, odor, or color of drinking water, please contact the system's business office.

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly, or immunocompromised persons such as those undergoing chemotherapy for cancer; persons who have undergone organ transplants; those who are undergoing treatment with steroids; and people with HIV/AIDS or other immune system disorders, can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care providers. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

In the water loss audit submitted to the Texas Water Development Board for the time period of Jan.-Dec. 2018, our system lost an estimated 9,981,036 gallons of water or 3.6%.

Information about Source Water

RICE WSC purchases water from CITY OF CORSICANA. CITY OF CORSICANA provides purchase surface water from Navarro Mils Lake and Lake Halbert located in Navarro County.

RICE WSC purchases water from CITY OF ENNIS. CITY OF ENNIS provides purchase surface water from Lake Bardlwell located in Ellis County.

TCEQ completed a Source Water Susceptibility for all drinking water systems that own their sources. This report describes the susceptibility and types of constituents that may come into contact with the drinking water source based on human activities and natural conditions. The system(s) from which we purchase our water received the assessment report. For more information on source water assessments and protection efforts at our system contact Ada Garza (903) 326-5551.

| Lead and Copper | Date Sampled | MCLG | Action Level (AL) | 90th Percentile | # Sites Over AL | Units | Violation | Likely Source of Contamination |
|-----------------|--------------|------|-------------------|-----------------|-----------------|-------|-----------|---------------------------------------------------------------------------------------------------------|
| Copper | 08/09/2016 | 1.3 | 1.3 | 0.176 | 0 | ppm | N | Erosion of natural deposits; Leaching from wood preservatives; Corrosion of household plumbing systems. |
| Lead | 08/09/2016 | 0 | 15 | 2.43 | 1 | ppb | N | Corrosion of household plumbing systems; Erosion of natural deposits. |

2018 Water Quality Test Results

| Disinfection By-Products | Collection Date | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Units | Violation | Likely Source of Contamination |
|--------------------------|-----------------|---------------------------|--------------------------------|-----------------------|-----|-------|-----------|--------------------------------------------|
| Haloacetic Acids (HAA5) | 2018 | 23 | 9.5 - 27.8 | No goal for the total | 60 | ppb | N | By-product of drinking water disinfection. |

^{*} The value in the Highest Level or Average Detected column is the highest average of all HAA5 sample results collected at a location over a year'

| Total Trihalomethanes 2018 (TTHM) | 46 | 35.1 - 53.4 | No goal for the total | 80 | ppb | N | By-product of drinking water disinfection. |
|--------------------------------------|----|-------------|-----------------------|----|-----|---|--------------------------------------------|
|--------------------------------------|----|-------------|-----------------------|----|-----|---|--------------------------------------------|

^{&#}x27;* The value in the Highest Level or Average Detected column is the highest average of all TTHM sample results collected at a location over a year'

| Inorganic Contaminants | Collection Date | Highest Level Detected | Range of Individual Samples | MCLG | MCL | Units | Violation | Likely Source of Contamination |
|-----------------------------------|-----------------|---------------------------|--------------------------------|------|-----|-------|-----------|----------------------------------------------------------------------------------------------|
| Nitrate [measured as Nitrogen] | 2018 | 1 | 0.471 - 0.654 | 10 | 10 | ppm | N | Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits. |

Disinfectant Residual

| Disinfectant Residual | Year | Average Level | Range of Levels Detected | MRDL | MRDLG | Unit of Measure | Violation (Y/N) | Source in Drinking Water |
|-----------------------|------|---------------|-----------------------------|------|-------|--------------------|-----------------|------------------------------------------|
| DLQOR | 2018 | 2.07 | .55-3.30 | 4 | 4 | mg/L | ppm | Water additive used to control microbes. |

| Detected | Regulated | Contaminates | for 2018 |
|-----------------|-----------|--------------|----------|
|-----------------|-----------|--------------|----------|

| 2 Lake Halbert | | | | |
|------------------------|-------------------|-------------|----------------|----------------------|
| SOC Pesticide | Detected Quantity | MCL | Date Collected | Analytical Method |
| Atrazine | 0.4 ug/l | N/A | 1/31/2018 | E525.2 GC/MS |
| VOC's | Detected Quantity | MC/L | Date Collected | Analytical Method |
| Acetone | 5.8 ug/l | N/A | 7/17/2018 | E524.2 GC/MS |
| Cholroform | 12.0 ug/l | N/A | 7/17/2018 | E524.2 GC/MS |
| Bromodichloromethane | 11.0 ug/l | N/A | 7/17/2018 | E524.2 GC/MS |
| Dibromochloromethane | 5.27 ug/l | N/A | 7/17/2018 | E524.2 GC/MS |
| 2-Butanone | 2.28 ug/l | N/A | 7/17/2018 | E524.2 GC/MS |
| Inorganics | | | | |
| Chloride | 16.4 mg/l | 300.0 mg/l | 1/31/2018 | E300.0 Anions |
| Fluoride | 0.49 mg/l | 4.0 mg/l | 1/31/2018 | E300.0 Anions |
| Nitrate (as N) | 0.352 mg/l | 10.0 mg/l | 1/31/2018 | E300.0 Anions |
| Sulfate | 52.7 mg/l | 300.0 mg/l | 1/31/2018 | E300.0 Anions |
| Total Dissolved Solids | 210 mg/l | 1000.0 mg/l | 1/31/2018 | SM2540C |
| | | | | - |
| Inorganics | | | | |
| Metals Trace Elements | 27.6 // | 11/4 | 1/21/2010 | F200 7 Matala Tuana |
| Calcium Total | 37.6 mg/l | N/A | 1/31/2018 | E200.7 Metals, Trace |
| Potassium Total | 4.02 mg/l | N/A | 1/31/2018 | E200.7 Metals, Trace |
| Magnesium Total | 3.08 mg/l | N/A | 1/31/2018 | E200.7 Metals, Trace |
| Sodium Total | 18.6 mg/l | N/A | 1/31/2018 | E200.7 Metals, Trace |
| E200.8 ICP-MS | | | | |
| Aluminum Total | 0.020 mg/l | 0.2 mg/l | 1/31/2018 | E200.8 IC-MS |
| Barium Total | 0.057 mg/l | 2.0 mg/l | 1/31/2018 | E200.8 IC-MS |
| Chromium Total | 0.001 mg/l | 0.1 mg/l | 1/31/2018 | E200.8 IC-MS |
| Copper Total | .0011 mg/l | 1.3 mg/l | 1/31/2018 | E200.8 IC-MS |
| Manganese Total | .0041 mg/l | 0.05 mg/l | 1/31/2018 | E200.8 IC-MS |
| Cyanide Total | 0.0530 mg/l | 0.2 mg/l | 1/31/2018 | E355.4 CN |

DEFINITIONS

| ug/l | parts per billion or micrograms per liter |
|------|-------------------------------------------|
| mg/l | parts per million or milligrams per liter |

Average Chlorine Residual 2018

| Month | Average Residual (mg/L) | | |
|---------------------|-------------------------|--|--|
| January | 2.46 | | |
| February | 2.45 | | |
| March | 2.37 | | |
| April | 2.45 | | |
| May | 2.36 | | |
| June | 1.98 | | |
| July | 2.00 | | |
| August | 2.20 | | |
| September | 2.07 | | |
| October | 2.16 | | |
| November | 2.39 | | |
| December | 2.32 | | |
| 2018 Yearly Average | 2.27 mg/L | | |

Min reading

0.6 mg/l

Max Reading

3.4 mg/l

| Detected | Regulated | Contaminates | for | 2018 |
|----------|-----------|---------------------|-----|------|
|----------|-----------|---------------------|-----|------|

| Navarro Mills | | | | |
|------------------------|--------------------------|---------------|----------------|---------------------|
| SOC Pesticide | Detected Quantity | MCL | Date Collected | Analytical Method |
| Atrazine | 0.3 ug/l | N/A | 1/31/2018 | E525.2 GC/MS |
| VOC's | | | | |
| Acetone | 5.98 ug/l | N/A | 7/19/2018 | E524.2 GC/MS |
| 2-Butatone | 2.49 ug/l | N/A | 7/19/2018 | E524.2 GC/MS |
| Cholroform | 17.2 ug/l | N/A | 7/19/2018 | E524.2 GC/MS |
| Bromodichloromethane | 16.9 ug/l | N/A | 7/19/2018 | E524.2 GC/MS |
| Dibromochloromethane | 10.0 ug/l | N/A | 7/19/2018 | E524.2 GC/MS |
| Bromoform | 1.52 ug/l | N/A | 7/19/2018 | E524.2 GC/MS |
| Inorganics | | | | |
| Chloride | 13.7 mg/l | 300.0 mg/l | 1/31/2018 | E300.0 Anions |
| Fluoride | 0.662 mg/l | 4.0 mg/l | 1/31/2018 | E300.0 Anions |
| Nitrate (as N) | 0.0722 mg/l | 10.0 mg/l | 1/31/2018 | E300.0 Anions |
| Sulfate | 46.5 mg/l | 300.0 mg/l | 1/31/2018 | E300.0 Anions |
| Total Dissolved Solids | 200 mg/l | 1000.0 mg/l | 1/31/2018 | SM2540C |
| Inorganics | | | | |
| Metals Trace Elements | | | | |
| Calcium | 39.9 mg/l | 20,000.0 mg/l | 1/31/2018 | E200.7 Metals, Trad |
| Magnesium | 2.78 mg/l | 20,000.0 mg/l | 1/31/2018 | E200.7 Metals, Trac |
| Potassium | 3.75 mg/l | 20,000.0 mg/l | 1/31/2018 | E200.7 Metals, Trac |
| Sodium Total | 18.6 mg/l | 20,000.0 mg/l | 1/31/2018 | E200.7 Metals, Trac |
| E200.8 ICP-MS | | | | |
| Aluminum Total | 0.030 mg/l | 0.2 mg/l | 1/31/2018 | E200.8 IC-MS |
| Barium Total | 0.050 mg/l | 2.0 mg/l | 1/31/2018 | E200.8 IC-MS |
| Copper Total | .0049 mg/l | 1.3 mg/l AL | 1/31/2018 | E200.8 IC-MS |
| Manganese Total | .0012 mg/l | 0.05 mg/l | 1/31/2018 | E200.8 IC-MS |
| Nickel Total | .0010 mg/l | .1 mg/l | 1/31/2018 | E200.8 IC-MS |
| E245.1 Mercury water | | | | |
| Mercury Total | 0.030 mg/l | 0.2 mg/l | 1/31/2018 | E245.1 Mercury wat |
| Cyanide Total | 0.103 mg/l | 0.2 mg/l | 1/31/2018 | E355.4 CN |
| 2,4 | | | | |

DEFINITIONS

| ug/l | parts per billion or micrograms per liter |
|------|-------------------------------------------|
| mg/l | parts per million or milligrams per liter |

| | | e required to | A.comes | Minimum | Ennis tap water. None Maximum | MCL | MCLG | Possible Source |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------------------|-----------------------|-------------------------------------------|-----------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Year 2018 | Substance Barium | Units | Average 0.066 | 0.066 | 0.066 | 2 | 2 | Erosion of natural deposits, discharge from drilling and metal refineries |
| 2018 | Cyanide | ppb | 140 | 140 | 140 | 200 | 200 | Discharge from plastic and fertilizer factories, Discharge from steel/metal factories |
| 2018 | Atrazine | ppb | 0.2 | 0.2 | 0.2 | 3 | 3 | Runoff from herbicide used on row crops |
| 2018 | Fluoride | ppm | 0.506 | 0.506 | 0.506 | 4 | 4 | Erosion of natural deposits, water additive which promotes strong teeth, discharge from fertilizer and aluminum factories |
| 2018 | Nitrate (measured as Nitrogen) *1 | ppm | 0.392 | 0.392 | 0.392 | 10 | 10 | Runoff from fertilizer, septic tanks, sewage, natural deposits |
| 2017 | Beta/photon emitters*2 | pCi/L | 6.5 | 6.5 | 6.5 | 50 | 0 | Decay of natural and man - made deposits |
| 2017 | Combined Radium 226/228 | pCi/L | 1.5 | 1.5 | 1.5 | 5 | 0 | Erosion of natural deposits |
| 2018 | Chloramines *3 | ppm | 3.2 | 2.5 | 3.45 | MRDL=4 | MRDLG=4 | Disinfectant used to control microbes |
| 2018 | Total Haloacetic Acids (HAA5) *4 | ppb | 16 | 10 | 20 | 60 | No goal for the total | Byproduct of drinking water disinfection |
| 2018 | Total Trihalomethanes (TTHM) *4 | ppb | 35 | 23 | 44 | 80 | No goal for the total | Byproduct of drinking water disinfection |
| | c Carbon (TOC) *5 | | | | | announced the second second | | Naturally present in the environment |
| 2018 | Source Water | ppm | 4.67 | 4.16 | 5.76 | | | Naturally present in the environment |
| 2018 | Drinking Water | ppm | 2.77 | 2.1 | 4.47 | | | NA NA |
| 2018 | Removal Ratio | % | 1.33 | 1 | 1.9 | %Removal* | | 145 |
| urbidity *6 | | | | | | 1 | | |
| Year | Substance | Units | Highest Single Measurement | | Lowest Monthly % of Samples Meeting Limit | | Turbidity Limits | Possible Source |
| 2018 | Turbidity | NTU | 0.12 | | 100 | | 0.3 | Soil runoff |
| ead and Co | A STATE OF THE STA | | | | | | | |
| Year | Substance | Units | Action Level (AL) | Number of Sites AL | MCLG | 90th Percentile | | Possible Source |
| 2016 | Lead | ppb | 15 | 0 | 0 | 1.3 | | Corrosion of household plumbing systems; erosic of natural deposits |
| 2018 | Copper | ppm | 1.3 | 0 | 1.3 | 0.32 | | Corrosion of household plumbing systems, corrosion of natural deposits, leaching from wood preservatives. |

| Year | Total Bacteriological Samples Collected | Maximum Contaminant Level Goal | Total Coliform Maximum Contaminant Level | Highest No. of Positive | or E.coli Maximum Contaminant Level | positive E.coli or Fecal Coliform Samples | Possible Source |
|------|--------------------------------------------------|--------------------------------------|---------------------------------------------------|----------------------------|----------------------------------------------|----------------------------------------------------|--------------------------------------|
| | | | | | *0 | 0 | Naturally present in the environment |

Notes: *1 Nitrate Advisory - Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask advice from your health care provider. *2 EPA considers 50 pCi/L to be the level of concern for beta particles. *3 Systems must complete and submit disinfection data on the Surface Water Monthly Operations Report (SWMOR). On the CCR report, the system must provide disinfection type, minimum, maximum, and average level. **4 Not all sample results may have been used for calculating the Highest Level Detected because some results may be part of an evaluation to determine where compliance sampling should occur in the future. *5 Total organic carbon (TOC) no health effects. The disinfectant can combine with TOC to form disinfection byproducts. Disinfection is necessary to ensure that water does not have unacceptable levels of pathogens. Byproducts of disinfection include Trihalomethanes (THMs) and haloacetic acids (HAA) which are reported elsewhere in this report. Removal ratio is the percent of TOC removed by the treatment process divided by the percent of TOC required by TCEQ to be removed. *6 Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches. *7 Definitions: Action Level Goal (ALG): The level of a contaminant in drinking water below which there is no known or expected risk to health. ALGs allow for a margin of safety. Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. This water supply is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (800) 426-4791 or at http://www.epa.gov/safawater/lead Coliform Bacteria Fecal Coliform or E.coli MCL; A routine sample and a repeat sample are total coliform positive and one is also fecal coliform or E.coli positive

Unregulated, and secondary drinking water standards.

Unregulated contaminants are those for which EPA has not established drinking water standards. The purpose of unregulated contaminant monitoring is to assist EPA in determining the occurrence of unregulated contaminants in drinking water and whether future regulation is warranted. Any unregulated contaminants detected are reported in the following table. For additional information and data visit http://www.epa.gov/safewater/ucmr/ucmr/2/index.html, or call the Safe Drinking Water Hotline at (800)426-4791.

| Year | Substance | Units | Average | Minimum | Maximum | MCL | MCLG | Possible Source |
|------|---------------------------|-------|---------|---------|---------|---------------|---------------|----------------------------------------------------------------------------------------|
| 2018 | Chloroform | ppb | 14.8 | 7.07 | 16.2 | Not Regulated | Not Regulated | By-product of drinking water disinfection |
| 2018 | Bromoform | ppb | 2.04 | 0 | 3.38 | 100 | 100 | not regulated individually |
| 2018 | Bromochloromethane | ppb | 13.28 | 8.44 | 15.8 | Not Regulated | Not Regulated | included in Total Trihalomethanes |
| 2018 | Dibromochloromethane | ppb | 7.15 | 6.5 | 11.73 | Not Regulated | Not Regulated | |
| 2018 | Aluminum | ppm | 0.012 | 0.012 | 0.012 | 0.05 | 0.05 | Abundant naturally occurring element |
| 2018 | Hardness as Ca/Mg | ppm | 116 | 116 | 116 | NA | NA | Naturally occurring calcium and magnesium |
| 2018 | рН | ppm | 7.82 | 7.4 | 7.79 | >7.0 | >7.0 | Measure of corrosiveness of water |
| 2018 | Sodium | ppm | 37.9 | 37.9 | 37.9 | NA | NA | Erosion of natural deposits, by-product of oil field activity |
| 2018 | Calcium | ppm | 42.3 | 42.3 | 42.3 | NA | NA | Abundant naturally occurring element |
| 2018 | Magnesium | ppm | 2.58 | 2.58 | 2.58 | NA | NA | Abundant naturally occurring element |
| 2018 | Sulfate | ppm | 62.2 | 62.2 | 62.2 | 300 | 300 | Naturally occurring; common industrial by- product by-product of oil field activity |
| 2018 | Total Alkalinity as CaCO3 | ppm | 107 | 84 | 134 | NA | NA | Naturally occurring soluble mineral salts |
| 2018 | Total Dissolved Solids | ppm | 266 | 266 | 266 | 1000 | 1000 | Total dissolved mineral constituents in water |

Source Water Monitoring: The Long Term 2 Enhanced Surface Water Treatment Rule (LT2 Rule) requires public water systems that use surface water to monitor their source water (influent water prior to treatment) for Cryptosporidium, Giardia, E. coli, and turbidity for 24 month period beginning in October of 2016. Definitions: ND= Analyte not detected in sample. PQL= Practical Quantitation Limit- the method reporting limit (MRL) adjusted for any dilutions or other changes to the sample to deal with interferences/ matrix effects

| Year | Substance | Units | Average | Minimum | Maximum | MCL | MCLG | Possible Source |
|------|-----------------|-----------|---------|---------|-----------|-----|------|-------------------------------|
| 2018 | Turbidity | NTU | 15.95 | 7.43 | 30 | NA | NA | Soil runoff |
| 2018 | Cryptosporidium | oocysts/L | ND | ND | ND | NA | NA | Septic tanks and animal waste |
| 2018 | Giardia | cysts/L | ND | ND | ND | NA | NA | Septic tanks and animal waste |
| 2018 | E Coli | MPN/100mL | 5 BPQL | 0 BPQL | 12.1 BPQL | NA | NA | Septic tanks and animal waste |