2022

Consumer Confidence Report For Calendar Year 2021

Public Water System ID: CO0221690



Paint Brush Hills Metropolitan District

Esta es información importante. Si no la pueden leer, necesitan que alguien se la traduzca.

The Paint Brush Hills Metropolitan District (PBHMD) is pleased to present to you this year's Consumer Confidence Report (CCR). As a public water system, our constant goal is to provide you with a safe and dependable supply of drinking water. **Please see the** water quality data from our wholesale system(s) (either attached or included in this report) for additional information about your drinking water.

General Information

In 2021 PBHMD obtained its water from seven (7) deep groundwater wells and from Meridian Service Metropolitan District (MSMD) through an interconnection facility. PBHMD wells draw water from both the Arapahoe and the Laramie-Fox Hills aquifers at depths from 1800 to 2500 feet. MSMD obtains its water primarily from these same two aquifers. PBHMD operates and maintains its own water distribution and wastewater collection systems plus two (2) water tanks with a combined storage capacity of 1.5 million gallons. Production of a safe drinking water supply is accomplished through onsite disinfection (chlorination) at each well site within the District. The finished water obtained through the MSMD interconnect is monitored the same as a raw water source.

All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791) or by visiting http://water.epa.gov/drink/contaminants.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV-AIDS or other immune system disorders, some elderly, and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers. For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and microbiological contaminants call the EPA Safe Drinking Water Hotline at (1-800-426-4791).

In order to ensure that tap water is safe to drink, the Colorado Department of Public Health and Environment prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

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 animal or human activity.

Contaminants that may be present in source water include:

•Microbial contaminants: viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

•Inorganic contaminants: salts and metals, which can be naturallyoccurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming. •Pesticides and herbicides: may come from a variety of sources, such as agriculture, urban stormwater runoff, and residential uses.

•Radioactive contaminants: can be naturally occurring or be the result of oil and gas production and mining activities.

•Organic chemical contaminants: including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and also may come from gas stations, urban storm water runoff, and septic systems.

Lead in Drinking Water

If present, elevated levels of lead can cause serious health problems (especially for pregnant women and young children). It is possible that lead levels at your home may be higher than other homes in the community as a result of materials used in your home's plumbing. If you are concerned about lead in your water, you may wish to have your water tested. 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. Additional information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Hotline (1-800-426-4791)Drinking Water or at http://www.epa.gov/safewater/lead.

Source Water Assessment and Protection (SWAP)

The Colorado Department of Public Health and Environment has provided us with a Source Water Assessment Report for our water supply. For general information or to obtain a copy of the report please visit <u>http://wqcdcompliance.com/ccr</u>. The report is located under "Guidance: Source Water Assessment Reports". Search the table using 221690, PAINT BRUSH HILLS, or by contacting STEVE KNEPPER at 719-495-8188. The Source Water Assessment Report provides a screening-level evaluation of potential contamination that <u>could</u> occur. It <u>does not</u> mean that the contamination <u>has or will</u> occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. In addition, the source water protection plan.

Our Water Sources

| Source | Source Type | <u>Water Type</u> | Potential Source(s) of Contamination | | |
|---|---------------------------|-------------------|---------------------------------------|--|--|
| WELL #1 (A1) | Well | Groundwater | | | |
| WELL #2 (A2) | Well | Groundwater | | | |
| WELL #3 (A3) | Well | Groundwater | | | |
| WELL #4 (LFH#1) | Well | Groundwater | | | |
| WELL #6 (A4) | Well | Groundwater | Existing and/or Abandoned Mine Sites; | | |
| WELL #7 (LFH3) | Well | Groundwater | Commercial/Industrial Transportation; | | |
| WELL #8 (A5) | Well | Groundwater | Fallow; Pasture/Hay Land Uses; | | |
| WELL #9 (LFH4) | Well | Groundwater | and Road Miles | | |
| WELL #10 (A6) | Well | Groundwater | | | |
| WELL #11 (LFH5) | Well | Groundwater |] | | |
| PURCHASED WATER FROM MSMD (PWSID 121455) | Consecutive Connection | Groundwater | | | |

Terms and Abbreviations

- Maximum Contaminant Level (MCL) The highest level of a contaminant allowed in drinking water.
- Treatment Technique (TT) A required process intended to reduce the level of a contaminant in drinking water.
- Health-Based A violation of either a MCL or TT.
- Non-Health-Based A violation that is not a MCL or TT.
- Action Level (AL) The concentration of a contaminant which, if exceeded, triggers treatment and other regulatory requirements.
- **Maximum Residual Disinfectant Level (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 Contaminant Level Goal (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 Goal (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.
- Violation (No Abbreviation) Failure to meet a Colorado Primary Drinking Water Regulation.
- Formal Enforcement Action (No Abbreviation) Escalated action taken by the State (due to the risk to public health, or number or severity of violations) to bring a non-compliant water system back into compliance.
- Variance and Exemptions (V/E) Department permission not to meet a MCL or treatment technique under certain conditions.
- Gross Alpha (No Abbreviation) Gross alpha particle activity compliance value. It includes radium-226, but excludes radon 222, and uranium.
- **Picocuries per liter** (**pCi/L**) Measure of the radioactivity in water.
- Nephelometric Turbidity Unit (NTU) Measure of the clarity or cloudiness of water. Turbidity in excess of 5 NTU is just noticeable to the typical person.
- **Compliance Value (No Abbreviation)** Single or calculated value used to determine if regulatory contaminant level (e.g. MCL) is met. Examples of calculated values are the 90th Percentile, Running Annual Average (RAA) and Locational Running Annual Average (LRAA).
- Average (x-bar) Typical value.
- **Range** (**R**) Lowest value to the highest value.
- Sample Size (n) Number or count of values (i.e. number of water samples collected).
- Parts per million = Milligrams per liter (ppm = mg/L) One part per million corresponds to one minute in two years or a single penny in \$10,000.
- Parts per billion = Micrograms per liter (ppb = ug/L) One part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.
- Not Applicable (N/A) Does not apply or not available.
- Level 1 Assessment 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 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.

Detected Contaminants

PAINT BRUSH HILLS routinely monitors for contaminants in your drinking water according to Federal and State laws. The following table(s) show all detections found in the period of January 1 to December 31, 2021 unless otherwise noted. The State of Colorado requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. Therefore, some of our data, though representative, may be more than one year old. Violations and Formal Enforcement Actions, if any, are reported in the next section of this report.

Note: Only detected contaminants sampled within the last 5 years appear in this report. If no tables appear in this section then no contaminants were detected in the last round of monitoring.

| Disinfectants Sampled in the Distribution System TT Requirement: At least 95% of samples per period (month or quarter) must be at least 0.2 ppm <u>OR</u> If sample size is less than 40 no more than 1 sample is below 0.2 ppm Typical Sources: Water additive used to control microbes | | | | | | | | | | |
|---|-------------|---------|----------------------------------|----------------|-----------------|------|--|--|--|--|
| Disinfectant Name | Time Period | Results | Number of Samples Below Level | Sample Size | TT Violation | MRDL | | | | |
| Chlorine | | | | | | | | | | |

| | Lead and Copper Sampled in the Distribution System | | | | | | | | | | | | |
|-------------|--|------------------|--------|---------|------------------|--------|------------------|------------------------|--|--|--|--|--|
| Contaminant | Time | 90 th | Sample | Unit of | 90 th | Sample | 90 th | Typical Sources | | | | | |
| Name | Period | Percentile | Size | Measure | Percentile | Sites | Percentile | | | | | | |
| | | | | | AL | Above | AL | | | | | | |
| | | | | | | AL | Exceedance | | | | | | |
| Copper | 09/02/2021 | 0.12 | 41 | ppm | 1.3 | 0 | No | Corrosion of household | | | | | |
| | to | | | | | | | plumbing systems; | | | | | |
| | 11/30/2021 | | | | | | | Erosion of natural | | | | | |
| | | | | | | | | deposits | | | | | |

| | Disinfection Byproducts Sampled in the Distribution System | | | | | | | | | | | | |
|-------------------------------------|--|---------|---------------------|----------------|--------------------|-----|------|------------------|--|--|--|--|--|
| Name | Year | Average | Range Low – High | Sample Size | Unit of Measure | MCL | MCLG | MCL Violation | Typical Sources | | | | |
| Total Haloacetic Acids (HAA5) | 2021 | 1.1 | 1.1 to 1.1 | 1 | ppb | 60 | N/A | No | Byproduct of drinking water disinfection | | | | |
| Total Trihalomethan es (TTHM) | 2021 | 8.3 | 8.3 to 8.3 | 1 | ppb | 80 | N/A | No | Byproduct of drinking water disinfection | | | | |

| | Radionuclides Sampled at the Entry Point to the Distribution System | | | | | | | | | | | | | |
|---------------------|---|---------|---------------------|----------------|--------------------|-----|------|------------------|-----------------------------|--|--|--|--|--|
| Contaminant Name | Year | Average | Range Low – High | Sample Size | Unit of Measure | MCL | MCLG | MCL Violation | Typical Sources | | | | | |
| Gross Alpha | 2021 | 1.38 | 1.2 to 1.5 | 4 | pCi/L | 15 | 0 | No | Erosion of natural deposits | | | | | |
| Combined Radium | 2021 | 1.55 | 0.8 to 3 | 4 | pCi/L | 5 | 0 | No | Erosion of natural deposits | | | | | |

| | Ι | norganic C | ontaminants S | ampled at | the Entry P | oint to th | e Distribu | tion System | |
|---------------------|------|------------|---------------------|----------------|--------------------|------------|------------|------------------|---|
| Contaminant Name | Year | Average | Range Low – High | Sample Size | Unit of Measure | MCL | MCLG | MCL Violation | Typical Sources |
| Arsenic | 2021 | 0.86 | 0 to 2 | 7 | ррb | 10 | 0 | No | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes |
| Barium | 2021 | 0.01 | 0 to 0.02 | 7 | ppm | 2 | 2 | No | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |
| Chromium | 2021 | 2.14 | 0 to 4 | 7 | ррb | 100 | 100 | No | Discharge from steel and pulp mills; erosion of natural deposits |
| Fluoride | 2021 | 1.28 | 0.91 to 1.64 | 7 | ppm | 4 | 4 | No | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Nitrate | 2021 | 0.02 | 0 to 0.15 | 10 | ppm | 10 | 10 | No | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| Selenium | 2021 | 0.29 | 0 to 1 | 7 | ррb | 50 | 50 | No | Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines |

| **Secondary st | Secondary Contaminants** **Secondary standards are <u>non-enforceable</u> guidelines for contaminants that may cause cosmetic effects (such as skin, or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. | | | | | | | | | | |
|---------------------|---|---------|---|--------------------|--|--|--|--|--|--|--|
| Contaminant Name | Year | Average | Range Low – High | Secondary Standard | | | | | | | |
| Sodium | 2020 | 123.8 | 123.8 53.8 to 233.6 3 ppm N/A | | | | | | | | |

Violations, Significant Deficiencies, and Formal Enforcement Actions

| we did not complete a report/notice by the required date. | | | | | | | | | | |
|---|-------------------------------------|-------------------------|--|--|--|--|--|--|--|--|
| Name | Description | Time Period | | | | | | | | |
| VOLATILE ORGANICS | FAILURE TO MONITOR AND/OR REPORT | 04/01/2021 - 06/30/2021 | | | | | | | | |
| SYNTHETIC ORGANICS | FAILURE TO MONITOR AND/OR REPORT | 04/01/2021 - 06/30/2021 | | | | | | | | |
| NITRATE | FAILURE TO MONITOR AND/OR REPORT | 04/01/2021 - 06/30/2021 | | | | | | | | |
| INORGANICS GROUP | FAILURE TO MONITOR AND/OR REPORT | 04/01/2021 - 06/30/2021 | | | | | | | | |
| GROSS ALPHA | FAILURE TO MONITOR AND/OR REPORT | 04/01/2021 - 06/30/2021 | | | | | | | | |
| FLUORIDE GROUP | FAILURE TO MONITOR AND/OR REPORT | 04/01/2021 - 06/30/2021 | | | | | | | | |
| COMBINED URANIUM | FAILURE TO MONITOR AND/OR REPORT | 04/01/2021 - 06/30/2021 | | | | | | | | |
| COMBINED RADIUM | FAILURE TO MONITOR AND/OR REPORT | 04/01/2021 - 06/30/2021 | | | | | | | | |
| | Additional Violation Information | | | | | | | | | |

2021 2nd Quarter sampling was not completed for entry point 019. Sampling was resumed and compliance reinstated 13 days into 3rd Quarter 7/13/2021.

Wholesale Supplier

PBHMD also gets water from Meridian Ranch Metropolitan District. A copy of their CCR is included below.

MERIDIAN SERVICE MD 2022 Drinking Water Quality Report Covering Data For Calendar Year 2021

Public Water System ID: CO0121455

Esta es información importante. Si no la pueden leer, necesitan que alguien se la traduzca.

We are pleased to present to you this year's water quality report. Our constant goal is to provide you with a safe and dependable supply of drinking water. Please contact BRADEN MCCRORY at 719-684-4761 with any questions or for public participation opportunities that may affect water quality. **Please see the water quality data from our wholesale system(s)** (either attached or included in this report) for additional information about your drinking water.

General Information

All 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 the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791) or by visiting epa.gov/ground-water-and-drinking-water.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV-AIDS or other immune system disorders, some elderly, and infants can be particularly at risk of infections. These people should seek advice about drinking water from their health care providers. For more information about contaminants and potential health effects, or to receive a copy of the U.S. Environmental Protection Agency (EPA) and the U.S. Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and microbiological contaminants call the EPA Safe Drinking Water Hotline at (1-800-426-4791).

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. Contaminants that may be present in source water include:

•Microbial contaminants: viruses and bacteria that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

•Inorganic contaminants: salts and metals, which can be naturallyoccurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

•Pesticides and herbicides: may come from a variety of sources, such as agriculture, urban storm water runoff, and residential uses.

•Radioactive contaminants: can be naturally occurring or be the result of oil and gas production and mining activities.

•Organic chemical contaminants: including synthetic and volatile organic chemicals, which are byproducts of industrial processes and petroleum production, and also may come from gas stations, urban storm water runoff, and septic systems.

In order to ensure that tap water is safe to drink, the Colorado Department of Public Health and Environment prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. The Food and Drug Administration regulations establish limits for contaminants in bottled water that must provide the same protection for public health.

Lead in Drinking Water

If present, elevated levels of lead can cause serious health problems (especially for pregnant women and young children). It is possible that lead levels at your home may be higher than other homes in the community as a result of materials used in your home's plumbing. If you are concerned about lead in your water, you may wish to have your water tested. 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. Additional information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline (1-800-426-4791) or at epa.gov/safewater/lead.

Source Water Assessment and Protection (SWAP)

The Colorado Department of Public Health and Environment may have provided us with a Source Water Assessment Report for our water supply. For general information or to obtain a copy of the report please visit wqcdcompliance.com/ccr. The report is located under "Guidance: Source Water Assessment Reports". Search the table using 121455, MERIDIAN SERVICE MD, or by contacting BRADEN MCCRORY at 719-684-4761. The Source Water Assessment Report provides a screening-level evaluation of potential contamination that *could* occur. It *does not* mean that the contamination has or will occur. We can use this information to evaluate the need to improve our current water treatment capabilities and prepare for future contamination threats. This can help us ensure that quality finished water is delivered to your homes. In addition, the source water assessment results provide a starting point for developing a source water protection plan. Potential sources of contamination in our source water area are listed on the next page.

Please contact us to learn more about what you can do to help protect your drinking water sources, any questions about the Drinking Water Quality Report, to learn more about our system, or to attend scheduled public meetings. We want you, our valued customers, to be informed about the services we provide and the quality water we deliver to you every day.

Meridian Service Water Sources

| Sources (Water Type - Source Type) | Potential Source(s) of Contamination |
|--|--|
| WELL GA-1 (Groundwater-Well) | |
| WELL GA-2 (Groundwater-Well) | |
| WELL GALV-2 (Groundwater-Well) | |
| PURCHASED FROM CO0121930 WOODMEN HILLS | |
| (Groundwater-Consecutive Connection) | |
| WELL A1 (Groundwater-Well) | |
| WELL A2 (Groundwater-Well) | |
| WELL A4 (Groundwater-Well) | |
| WELL A9 (Groundwater-Well) | |
| WELL LFH1 (Groundwater-Well) | |
| WELL LFH2 (Groundwater-Well) | There is no SWAP report, please contact BRADEN |
| WELL LFH3 (Groundwater-Well) | MCCRORY at 719-684-4761 with questions regarding |
| WELL LFH3 LATIGO (Groundwater-Well) | potential sources of contamination. |
| WELL LFH4 (Groundwater-Well) | |
| WELL LFH9 (Groundwater-Well) | |
| WELL A6 (Groundwater-Well) | |
| WELL LFH-6 (Groundwater-Well) | |
| WELL D-3 (Groundwater-Well) | |
| WELL GLFH-1 (Groundwater-Well) | |
| WELL GLFH-2 (Groundwater-Well) | |
| WELL GALV-1 (Groundwater-Well) | |
| WELL LFH-5 (Groundwater-Well) | |

Detected Contaminants

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Note: Only detected contaminants sampled within the last 5 years appear in this report. If no tables appear in this section then no contaminants were detected in the last round of monitoring.

| | Disinfectants Sampled in the Distribution System TT Requirement: At least 95% of samples per period (month or quarter) must be at least 0.2 ppm If sample size is less than 40 no more than 1 sample is below 0.2 ppm Typical Sources: Water additive used to control microbes | | | | | | | | | | |
|----------------------|--|---|--|--|--|--|--|--|--|--|--|
| Disinfectant Name | Time Period | ime Period Results Number of Samples Sample TT MRDL Below Level Size Violation | | | | | | | | | |
| Chlorine | Image: Chlorine December, 2021 Lowest period percentage of samples meeting TT requirement: 100% 0 10 No 4.0 ppm | | | | | | | | | | |

| | | Lead a | nd Copper | Sampled in | the Distribu | ition Systen | 1 | |
|---------------------|--------------------------------|--------------------------------|----------------|--------------------|--------------------------------------|--------------------------------|--|---|
| Contaminant Name | Time Period | 90 th Percentile | Sample Size | Unit of Measure | 90 th Percentile AL | Sample Sites Above AL | 90 th Percentile AL Exceedance | Typical Sources |
| Copper | 06/29/2021 to 06/29/2021 | 0.09 | 40 | ppm | 1.3 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |
| Lead | 06/29/2021 to 06/29/2021 | 2 | 40 | ррb | 15 | 2 | No | Corrosion of household plumbing systems; Erosion of natural deposits |
| Copper | 12/14/2021 to 12/14/2021 | 0.06 | 40 | ppm | 1.3 | 0 | No | Corrosion of household plumbing systems; Erosion of natural deposits |

| | | | Disinfection | Byproduc | ts Sampled | in the D | istribution | System | |
|--|------|---------|---------------------|----------------|--------------------|----------|-------------|------------------|---|
| Name | Year | Average | Range Low – High | Sample Size | Unit of Measure | MCL | MCLG | MCL Violation | Typical Sources |
| Total Haloacetic Acids (HAA5) | 2021 | 3.05 | 2.9 to 3.2 | 2 | ррb | 60 | N/A | No | Byproduct of drinking water disinfection |
| Total Trihalome thanes (TTHM) | 2021 | 25.8 | 22.4 to 29.2 | 2 | ррb | 80 | N/A | No | Byproduct of drinking water disinfection |

| Radionuclides Sampled at the Entry Point to the Distribution System | | | | | | | | | | |
|---|------|---------|---------------------|----------------|--------------------|-----|------|------------------|-----------------------------|--|
| Contaminant Name | Year | Average | Range Low – High | Sample Size | Unit of Measure | MCL | MCLG | MCL Violation | Typical Sources | |
| Gross Alpha | 2021 | 0.6 | 0 to 3 | 5 | pCi/L | 15 | 0 | No | Erosion of natural deposits | |
| Combined Radium | 2021 | 1.86 | 0.7 to 3.6 | 5 | pCi/L | 5 | 0 | No | Erosion of natural deposits | |

| Inorganic Contaminants Sampled at the Entry Point to the Distribution System | | | | | | | | | |
|--|------|---------|---------------------|----------------|--------------------|-----|------|------------------|--|
| Contaminant Name | Year | Average | Range Low – High | Sample Size | Unit of Measure | MCL | MCLG | MCL Violation | Typical Sources |
| Chromium | 2021 | 2.5 | 2 to 3 | 4 | ррb | 100 | 100 | No | Discharge from steel and pulp mills; erosion of natural deposits |
| Fluoride | 2021 | 0.91 | 0.64 to 1.07 | 4 | ppm | 4 | 4 | No | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |
| Nitrate | 2021 | 0.6 | 0 to 1.8 | 4 | ppm | 10 | 10 | No | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| Nitrate-Nitrite | 2021 | 0.6 | 0.6 to 0.6 | 1 | ppm | 10 | 10 | No | Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits |
| Selenium | 2021 | 0.25 | 0 to 1 | 4 | ррь | 50 | 50 | No | Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines |
| Arsenic | 2021 | 1 | 0 to 2 | 4 | ррь | 10 | 0 | No | Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes |
| Barium | 2021 | 0.02 | 0.01 to 0.04 | 4 | ppm | 2 | 2 | No | Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits |

| Volatile Organic Contaminants Sampled at the Entry Point to the Distribution System | | | | | | | | | |
|---|------|---------|---------------------|----------------|--------------------|--------|--------|------------------|---|
| Contaminant Name | Year | Average | Range Low – High | Sample Size | Unit of Measure | MCL | MCLG | MCL Violation | Typical Sources |
| Ethylbenzene | 2021 | 0.3 | 0 to 0.6 | 4 | ррb | 700 | 700 | No | Discharge from petroleum refineries |
| Xylenes | 2021 | 2.73 | 1.3 to 3.5 | 4 | ррb | 10,000 | 10,000 | No | Discharge from petroleum factories; discharge from chemical factories |

| Secondary Contaminants** **Secondary standards are <u>non-enforceable</u> guidelines for contaminants that may cause cosmetic effects (such as skin, or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. | | | | | | | | | |
|---|------|---------|---------------------|----------------|--------------------|--------------------|--|--|--|
| Contaminant Name | Year | Average | Range Low – High | Sample Size | Unit of Measure | Secondary Standard | | | |
| Sodium | 2021 | 127.7 | 104.1 to 139.7 | 4 | ppm | N/A | | | |

Violations, Significant Deficiencies, and Formal Enforcement Actions

No Violations or Formal Enforcement Actions

PBHMD is committed to ensuring high quality drinking water and utility service to our customers. If you have questions about this CCR, please contact Steve Knepper by email at *steve@pbhmd.com*, or by calling the PBHMD Office at 719.495.8188 ext 2002. Alternatively, you can attend a regular scheduled monthly meeting of the PBHMD Board of Directors on the THIRD Thursday of the month at 7:00 PM at 9985 Towner Ave.

Paint Brush Hills Metropolitan District