



WATER ANALYSIS RESULTS

Client: **Travis Apel USWS12408**
3118 N 76th St
Omaha, NE 68134

Water Source: **Missouri River Water – Three Forks, Montana**
 Sample ID: **RTC-36710**
 Collection Date and Time: **9-27-2020 / 2:30 pm**
 Received Date and Time: **12-1-2020 / 4:00 pm**
 Date Completed: **12-8-2020**

Definitions:

EPA Primary: Standard established by the EPA as a maximum contaminant level (MCL), as the highest level of a contaminants that is allowed in drinking water. MCLs are enforceable standards under the Safe Drinking Water Act.

EPA Secondary: Are guidelines established by the EPA as non-enforceable standards regulating contaminants that may cause cosmetic or aesthetic effects.

Action Levels: Refers to contaminants that are regulated by Treatment Techniques, at which when exceeded additional action must be taken to reduce the levels of the contaminant.

mg/L (ppm): Unit of measurement, milligrams per liter or parts per million.

Minimum Detection Level: The lowest level at which the laboratory can detect a contaminant.

ND: The contaminant was not detected above the stated minimum detection level.

*Sample results may be invalid due to lack of collection information or sample exceeded the holding time.

Inorganic – Metals and Minerals

Contaminant	Result	Units	National Standard	Minimum Detection Level
Arsenic	0.013	mg/L	0.010 mg/L EPA Primary	0.00005
Barium	0.067	mg/L	2.0 mg/L EPA Primary	0.00025
Beryllium	ND	mg/L	0.004 mg/L EPA Primary	0.00025
Boron	0.056	mg/L		0.0001
Cadmium	ND	mg/L	0.005 mg/L EPA Primary	0.0005
Calcium	32.5	mg/L		0.005
Chromium	ND	mg/L	0.1 mg/L EPA Primary	0.005
Copper	ND	mg/L	1.3 mg/L EPA Action Level	0.0005
Iron	0.11	mg/L	0.3 mg/L EPA Secondary	0.005
Lead	ND	mg/L	0.015 mg/L EPA Action Level	0.0006
Lithium	0.032	mg/L		0.0001
Magnesium	12.4	mg/L		0.0025
Manganese	0.011	mg/L	0.05 mg/L EPA Secondary	0.001
Molybdenum	0.002	mg/L		0.001
Nickel	0.0006	mg/L		0.0005
Phosphorous	ND	mg/L		0.0001
Potassium	3.8	mg/L		0.001
Silica	20.7	mg/L		0.05
Silicon	9.66	mg/L		0.05
Silver	ND	mg/L	0.100 mg/L EPA Secondary	0.0005
Sodium	14.8	mg/L		0.005
Strontium	0.225	mg/L		0.0005
Vanadium	0.0009	mg/L		0.0005
Zinc	0.024	mg/L	5 mg/L EPA Secondary	0.0001



Other Inorganics & Physical Characteristics

Contaminant	Result	Units	National Standard	Minimum Detection Level
Alkalinity	184	mg/L		20
Bromide	ND	mg/L		0.010
Chloride	9.79	mg/L	250 mg/L EPA Secondary	0.010
Fluoride	0.43	mg/L	4.0 mg/L EPA Primary	0.010
Hardness	132	mg/L		0.5
Nitrate	ND	mg/L	10 mg/L EPA Primary	0.010
pH	6.87	pH Units	6.5 to 8.5 EPA Secondary	-
Phosphate	ND	mg/L		0.010
Sulfate	9.32	mg/L	250 mg/L EPA Secondary	0.010
Tannins	0.3	mg/L		0.05
Total Dissolved Solids	307.91	mg/L	500 mg/L EPA Secondary	20.0

Microbiological – Coliform Bacteria

Contaminant	Result	Units	National Standard	Minimum Detection Level (CFU/ml)
Fecal Coliform	Present*	Present/Absent	Absent	1
E.Coli	Absent*	Present/Absent	Absent	1

These results are not intended to be used to meet any regulatory requirements or for litigation purposes. Results are for informational purposes only and are useful in determining general water quality and safety.

US Water Systems