

Household Use Interpretation



ParticipantName	LabID	ReportDate
Hines, Loren	H23110483	Mon Dec 04 2023

Parameters mentioned in this document indicate parameters of health concern and/or non-health related parameters of note (aesthetic/secondary concern) from your water sample. This means certain parameter concentrations in your water sample were outside the ideal range or threshold suggested by the EPA (Maximum Contaminant Level and Secondary Maximum Contaminant Level) or water quality research.

Human Health Related - Parameters of Concern

Parameter	YourValue	Interpretation	More Info
No parameters of concern			()

Non-Human Health Related - Parameters of Note

Parameter	YourValue	Interpretation
Fluoride	0.2	below ideal range of 0.7 to 1.5 mg/L - related to preventing tooth decay
Hardness as CaCO3	149	above ideal range of 61 to 120 mg/L - related to potential scaling



LABORATORY ANALYTICAL REPORT

Prepared by Helena, MT Branch

Client: MSU Well Educated
Project: Loren Hines
Lab ID: H23110483-001
Client Sample ID: 22 Boe Lane, Whitehall MT

Report Date: 12/01/23
Collection Date: 11/13/23 19:15
Date Received: 11/14/23
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.9	s.u.	H	0.1		A4500-H B	11/14/23 13:07 / dpw
pH Measurement Temp	19.3	°C				A4500-H B	11/14/23 13:07 / dpw
Conductivity @ 25 C	476	umhos/cm		5		A2510 B	11/14/23 13:07 / dpw
Corrosivity (Langelier Index)	0.4					A2330 B	12/01/23 11:05 / JCS
Solids, Total Dissolved - Calculated	259	mg/L		1		A1030 E	12/01/23 11:05 / JCS
If a sample temperature at the time of collection is not provided, the Langelier is calculated using a default temperature of 20 degrees C.							
INORGANICS							
Alkalinity, Total as CaCO3	170	mg/L		4		A2320 B	11/14/23 16:32 / dpw
Bicarbonate as HCO3	200	mg/L		4		A2320 B	11/14/23 16:32 / dpw
Carbonate as CO3	ND	mg/L		4		A2320 B	11/14/23 16:32 / dpw
Chloride	24	mg/L		1		E300.0	11/16/23 16:47 / SRW
Sulfate	35	mg/L		1		E300.0	11/16/23 16:47 / SRW
Fluoride	0.2	mg/L		0.1	4	E300.0	11/16/23 16:47 / SRW
Hardness as CaCO3	149	mg/L		1		A2340 B	11/30/23 09:33 / slj
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.01	10	E353.2	11/16/23 17:32 / JAR
METALS, ACID-SOLUBLE							
Aluminum	ND	mg/L		0.03		E200.8	11/29/23 12:46 / dck
Calcium	45	mg/L		1		E200.7	11/21/23 19:37 / slj
Magnesium	9	mg/L		1		E200.7	11/21/23 19:37 / slj
Manganese	0.035	mg/L		0.001		E200.8	11/29/23 12:46 / dck
Potassium	3	mg/L		1		E200.7	11/21/23 19:37 / slj
Sodium	26	mg/L		1		E200.7	11/21/23 19:37 / slj
Zinc	ND	mg/L		0.01		E200.8	11/29/23 12:46 / dck