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A SUMMARY OF LAB RESULTS FOR WATER SAMPLE

1234 Main St.

Buyer Name 12/09/2021 9:00AM





TABLE OF CONTENTS

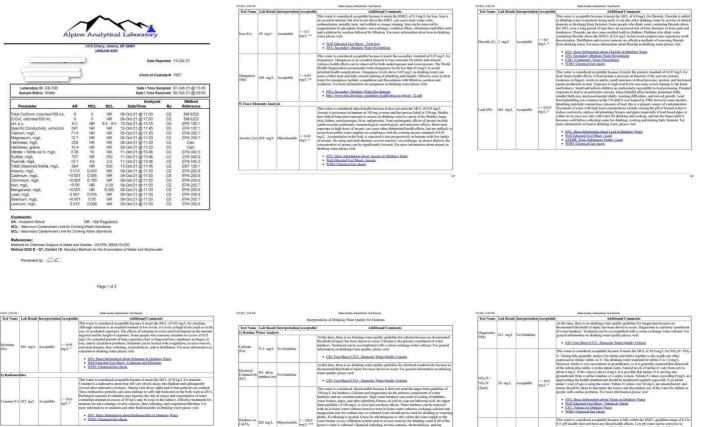
1: Well Water Test Summary	3
2: Sampling Protocol	5

1: WELL WATER TEST SUMMARY

Information

Understanding Your Water Sample

Understanding your water sample can be daunting. Here is a link to the Water Quality Interpretation Tool https://erams.com/wqtool/ . Use the attached water quality laboratory analytics to fill in the tool. This tool will help you understand what is "acceptable" by EPA standards. I have also included a discussion below of a few of the more important analytes.



MCL (Primary Standard)
SMCL (Secondary Standard)
*** Upper Limit Guideline



Test Name	Lab Result	Interpretation	Acceptable	Additional Comments
1) Routine 1	Nater Analys	ls .		
Calcium (Ca)	71.5 mg/l.	No Guideline		Mithi time, there is no drinking water quality galdeline for calcium because no documented herehold of injury has been shown to occur. Calcium in the primury constituent of water hardness. Treatmost can be accomplished with a cation exchange water softener. For general information on difficult quality and a soften places with: • CSU Fact Short 0.53 - Domentic Water Shull's Critoxia
Electrical Conductivity (EC)	591. dS/m (mmbos/cm)	No Guideline		At this times, there is no drinking water quality guideline for electrical conductivity because ro- documented threshold of injury has been shown to occur. For general information on drinking water quality, please visit.
Hardness as CaCO3	228 mg/L.	Objectionable	← 120.0 mg1, ***	This water is considered objectionable because it does see near the upper lame publics of Varian (for the share). Considered and surgeoistics may for hypothypothypothypothypothypothypothypot

Test Name	Lab Result	Interpretation	Accentable	Additional Comments
Total Coliforns	0 CFU/160ml		~0	The water considered acceptable because it more the MeL of herizing no total cofference is that 20% of ungestion best in given comm MF. These for first all cofficts bestering possible, additional text may be performed to documents of the additional busices and an experimental strength of the second strength of the second strength constraints. The text and the second strength of the documents of the second possible and the second strength of the document of the second strength of the second strength of the documents of the second possible and the second strength of the document of the second strength of the second strength of the document of the second strength of the second streng
3) Individua	Metals Ana	electla		
Cəhnium (Cd)	.001 mg1.	Acceptable	~~ 0.005 mg L *	This water is considered acceptable locance it more the MCL of 0005 mg L for administra log time occurrently of which will administrate interactions on excess of 0005 mg L have and volations of high occurrents. The softening model for distributions of high occurrents. The locan complexity of the other softening and the other and hydroxymetric local softening of the other softening and hydroxymetric local soften
Chromium (Cr)	.001 mg/L		≪-0.1 mgT.*	This water is considered acceptable because it more the MCL of 0.1 mg L for determined friended most memory to intrinsically of at a 100 eV of 20 mg is 0.1 hereads of a remains hard additional difference of the Vice of a mg is 0.1 heread of 20 mg is 0.

Magnesium (Mg)	12.1 mg/l.	No Guideline		At this time, there is no driking water quality galdeline for magnesium because no documented therehold of injury has been hown to oxet. Magnesium in a primary constituent of water hardness. Frontment on the accompliable with a cation exchange water softener. For general information on driking water quality because visit. • CSU Fact Sheet 0.513- Ibonenic Water Quality Critoria
NO ₃ -N + NO ₂ -N (Total)	.38 mg L	Acceptable	~ 10.0 mg L *	The state is considered a complete known is must in MCL of 100 ML and 100 ML
pII	#2 pll	Acceptable	⇔ 8.5 and → 6.5 pH	This water is considered acceptable because it fulls within the SMCL publican rung of CA J. (A) publication of the set o

Bacteria-Negative

Water samples were found negative for coliform & E-coli. No additional actions required.

Attached are additional reports from the lab for your review and records.

Lead-Acceptable Level

Lead levels found within an acceptable range. The attached lab report indicates acceptable levels, with a recommend threshold of 15ppb. The link below has additional information regarding lead levels.

https://www.epa.gov/wqs-tech/water-quality-standards-regulations-ohio

Nitrate/Nitrite (No2&No3) Acceptable

The nitrogen found in the water sample is acceptable with a recommended limit of 10mg/L. No additional actions recommended at this time. Lab reports will be supplied as separate documents for your records.

Arsenic Objectionable

This water is considered objectionable because it does not meet the MCL of 0.01 mg/L. Arsenic is poisonous in humans at 100 mg or more and has proven lethal at 130 mg. Studies have linked long-term exposure to arsenic in drinking water to cancer of the bladder, lungs, skin, kidney, nasal passages, liver, and prostate. Non-carcinogenic effects of arsenic include cardiovascular, pulmonary, immunological, neurological, and endocrine effects. Short-term exposure to high doses of arsenic can cause other detrimental health effects, but are unlikely to occur from public water supplies in compliance with the existing arsenic standard of 0.01 mg/L. Accumulation in the body is expected to rise progressively in humans with low intake of arsenic. By using activated alumina, reverse osmosis, ion exchange, or electro dialysis, the concentration of arsenic can be significantly lowered. For more information about arsenic in drinking water please visit:

- EPA: Basic Information about Arsenic in Drinking Water
- Well Educated Fact Sheet- Arsenic
- Butte-Silver Bow Water Environmental Health

2: SAMPLING PROTOCOL

Information

How I Sampled Your Well

I follow the US EPA Quick Guide to Drinking Water Sample Collection. Follow the link here: https://www.epa.gov/sites/default/files/2015-11/documents/drinking_water_sample_collection.pdf