

Summary

UWEX Private Well Project

Town of Manitowish Waters

2020

10/7/2020

10:18 AM

Total Number Samples: 66

Sample Dates: 9/12/2020 to 9/13/2020

Reason for Test	Last Test (yr)	Problems	Treatment Sys	Depth (ft) Well	Casing	Water	Well Diam (in)
Curious	95 %	Never 24 %	Color 12 %	Softener 23 %	... 25 6%	2% 9%	... 3 6%
Problems	0 %	< 1 2 %	Taste 12 %	R/O 3 %	26-50 12%	6% 3%	4 - 9 42%
Regular	2 %	1 - 2 6%	Odor 15 %	Carb Filt 9 %	51-100 24%	9% 2%	10 - 18 0%
Required	0 %	2 - 5 12%	Corr 3 %	Neutral 3 %	101-150 12%	3% 0%	18 + 0%
Bac Retest	0 %	5 - 10 9%	Health 0 %	Part Filt 12 %	151-200 3%	2% 0%	
Disinfect	2 %	10 + 21%	Other 5 %	Iron Filt 6 %	201 ... 0%	0% 0%	
Infant...	0 %	Unk 24%	None 48 %	Other 3 %			
Other	3 %						

pH

... 5.00	0	0 %
5.01 - 6.00	0	0 %
6.01 - 7.00	4	7 %
7.01 - 8.00	30	49 %
8.01 - 9.00	27	44 %
9.01 ...	0	0 %
Avg: 7.55	for	61 Samples

Conductivity (umhos/cm)

... 100	11	18 %
101 - 250	39	64 %
251 - 500	9	15 %
501 - 750	2	3 %
751 - 1000	0	0 %
1001 ...	0	0 %
Avg: 191	for	61 Samples

Alkalinity (mg/L CaCO3)

... 50	13	21 %
51 - 100	33	54 %
101 - 200	15	25 %
201 - 300	0	0 %
301 - 400	0	0 %
401 ...	0	0 %
Avg: 77	for	61 Samples

Total Hardness (mg/L CaCO3)

... 50	17	28 %
51 - 100	33	54 %
101 - 200	11	18 %
201 - 300	0	0 %
301 - 400	0	0 %
401 ...	0	0 %
Avg: 71	for	61 Samples

Nitrate (mg/L as N)

None Detected	43	70 %
... 2.0	17	28 %
2.1 - 5.0	1	2 %
5.1 - 10.0	0	0 %
10.1 - 20.0	0	0 %
20.1 ...	0	0 %
Avg: 0.2	for	61 Samples

Chloride (mg/L)

None Detected	3	5 %
... 10	47	77 %
11 - 50	6	10 %
51 - 100	3	5 %
101 - 200	2	3 %
201 ...	0	0 %
Avg: 11.5	for	61 Samples

Saturation Index

... -3.0	1	2 %
-2.9 - -2.0	6	10 %
-1.9 - -1.0	14	23 %
-0.9 - 0.0	36	59 %
0.1 - 1.0	4	7 %
1.1 ...	0	0 %
Avg: -0.8	for	61 Samples

Coliform Bacteria

Bact Samples	61
Pos Bacteria	0 0 %

E. coli Bacteria

E. coli Samples	0
Pos E. coli	0 0 %

Atrazine Screen* (ppb)

None Detected	0	%
... 0.3	0	%
0.4 - 1.0	0	%
1.1 - 2.0	0	%
2.1 - 3.0	0	%
3.1 ...	0	%
Avg:	for	0 Samples

*Triazine screen before June 2008, then Diaminochlorotriazine (DACT).

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Arsenic (mg/L)

None Detected	62	94 %
... 0.010	4	6 %
0.011 - 0.050	0	0 %
0.051 - 0.100	0	0 %
0.101 - 0.150	0	0 %
0.151 ...	0	0 %
Avg: <0.005 for	66 Samples	

Calcium (mg/L)

None Detected	5	8 %
... 25	47	71 %
26 - 50	13	20 %
51 - 75	1	2 %
76 - 100	0	0 %
101 ...	0	0 %
Avg: 16.2 for	66 Samples	

Copper (mg/L)

None Detected	8	12 %
... 0.130	40	61 %
0.131 - 0.500	10	15 %
0.501 - 0.900	1	2 %
0.901 - 1.300	1	2 %
1.301 ...	6	9 %
Avg: 0.334 for	66 Samples	

Iron (mg/L)

None Detected	17	26 %
... 0.300	41	62 %
0.301 - 1.000	5	8 %
1.001 - 2.000	1	2 %
2.001 - 5.000	2	3 %
5.001 ...	0	0 %
Avg: 0.175 for	66 Samples	

Potassium (mg/L)

None Detected	3	5 %
... 20	63	95 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 1 for	66 Samples	

Magnesium (mg/L)

None Detected	7	11 %
... 20	59	89 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 3.8 for	66 Samples	

Manganese (mg/L)

None Detected	16	24 %
... 0.050	35	53 %
0.051 - 0.300	11	17 %
0.301 - 0.500	0	0 %
0.501 - 1.000	2	3 %
1.001 ...	2	3 %
Avg: 0.109 for	66 Samples	

Sodium (mg/L)

None Detected	0	0 %
... 25	56	85 %
26 - 50	1	2 %
51 - 75	6	9 %
76 - 100	1	2 %
101 ...	2	3 %
Avg: 14.6 for	66 Samples	

Lead (mg/L)

None Detected	58	88 %
... 0.015	6	9 %
0.016 - 0.025	1	2 %
0.026 - 0.050	0	0 %
0.051 - 0.100	0	0 %
0.101 ...	1	2 %
Avg: 0.005 for	66 Samples	

Sulfate (mg/L)

None Detected	1	2 %
...25	64	97 %
26 - 50	1	2 %
51 - 75	0	0 %
76 - 100	0	0 %
101 ...	0	0 %
Avg: 5.2 for	66 Samples	

Zinc (mg/L)

None Detected	13	20 %
... 0.100	34	52 %
0.101 - 0.500	12	18 %
0.501 - 1.000	2	3 %
1.001 - 5.000	5	8 %
5.001 ...	0	0 %
Avg: 0.238 for	66 Samples	