

Summary

UWEX Private Well Project

Village of Nelsonville - Portage County

2018

12/13/2018

9:20 AM

Total Number Samples: 60

Sample Dates: 11/5/2018 to 11/8/2018

Reason for Test		Last Test (yr)		Problems		Treatment Sys		Depth (ft) Well		Casing	Water	Well Diam (in)	
Curious	7 %	Never	0 %	Color	0 %	Softener	7 %	... 25	3 %	5 %	22 %	... 3	10 %
Problems	0 %	< 1	17 %	Taste	2 %	R/O	5 %	26-50	12 %	10 %	20 %	4 - 9	50 %
Regular	3 %	1 - 2	8 %	Odor	2 %	Carb Filt	2 %	51-100	25 %	22 %	3 %	10 - 18	2 %
Required	0 %	2 - 5	2 %	Corr	3 %	Neutral	0 %	101-150	12 %	10 %	0 %	18 +	0 %
Bac Retest	0 %	5 - 10	3 %	Health	0 %	Part Filt	0 %	151-200	0 %	0 %	0 %		
Disinfect	0 %	10 +	5 %	Other	5 %	Iron Filt	0 %	201 ...	0 %	0 %	0 %		
Infant...	5 %	Unk	10 %	None	33 %	Other	0 %						
Other	<1 %												

pH

... 5.00	0	0 %
5.01 - 6.00	0	0 %
6.01 - 7.00	0	0 %
7.01 - 8.00	34	57 %
8.01 - 9.00	26	43 %
9.01 ...	0	0 %
Avg: 7.95	for	60 Samples

Conductivity (umhos/cm)

... 100	0	0 %
101 - 250	0	0 %
251 - 500	18	30 %
501 - 750	35	58 %
751 - 1000	5	8 %
1001 ...	2	3 %
Avg: 596	for	60 Samples

Alkalinity (mg/L CaCO3)

... 50	0	0 %
51 - 100	0	0 %
101 - 200	14	23 %
201 - 300	39	65 %
301 - 400	6	10 %
401 ...	1	2 %
Avg: 241	for	60 Samples

Total Hardness (mg/L CaCO3)

... 50	4	7 %
51 - 100	0	0 %
101 - 200	2	3 %
201 - 300	28	47 %
301 - 400	22	37 %
401 ...	4	7 %
Avg: 282	for	60 Samples

Nitrate (mg/L as N)

None Detected	8	13 %
... 2.0	3	5 %
2.1 - 5.0	6	10 %
5.1 - 10.0	15	25 %
10.1 - 20.0	25	42 %
20.1 ...	3	5 %
Avg: 9.3	for	60 Samples

Chloride (mg/L)

None Detected	0	0 %
... 10	17	28 %
11 - 50	41	68 %
51 - 100	2	3 %
101 - 200	0	0 %
201 ...	0	0 %
Avg: 20.5	for	60 Samples

Saturation Index

... -3.0	0	0 %
-2.9 - -2.0	0	0 %
-1.9 - -1.0	3	5 %
-0.9 - 0.0	1	2 %
0.1 - 1.0	56	93 %
1.1 ...	0	0 %
Avg: 0.3	for	60 Samples

Coliform Bacteria

Bact Samples	60
Pos Bacteria	2 3 %

E. coli Bacteria

E. coli Samples	2
Pos E. coli	1 50 %

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	0	%
... 0.010	0	%
0.011 - 0.050	0	%
0.051 - 0.100	0	%
0.101 - 0.150	0	%
0.151 ...	0	%
Avg:	for	0 Samples

Calcium (mg/L)

None Detected	0	%
... 25	0	%
26 - 50	0	%
51 - 75	0	%
76 - 100	0	%
101 ...	0	%
Avg:	for	0 Samples

Copper (mg/L)

None Detected	0	%
... 0.130	0	%
0.131 - 0.500	0	%
0.501 - 0.900	0	%
0.901 - 1.300	0	%
1.301 ...	0	%
Avg:	for	0 Samples

Iron (mg/L)

None Detected	0	%
... 0.300	0	%
0.301 - 1.000	0	%
1.001 - 2.000	0	%
2.001 - 5.000	0	%
5.001 ...	0	%
Avg:	for	0 Samples

Potassium (mg/L)

None Detected	0	%
... 20	0	%
21 - 40	0	%
41 - 60	0	%
61 - 80	0	%
81 ...	0	%
Avg:	for	0 Samples

Magnesium (mg/L)

None Detected	0	%
... 20	0	%
21 - 40	0	%
41 - 60	0	%
61 - 80	0	%
81 ...	0	%
Avg:	for	0 Samples

Manganese (mg/L)

None Detected	0	%
... 0.050	0	%
0.051 - 0.300	0	%
0.301 - 0.500	0	%
0.501 - 1.000	0	%
1.001 ...	0	%
Avg:	for	0 Samples

Sodium (mg/L)

None Detected	0	%
... 25	0	%
26 - 50	0	%
51 - 75	0	%
76 - 100	0	%
101 ...	0	%
Avg:	for	0 Samples

Lead (mg/L)

None Detected	0	%
... 0.015	0	%
0.016 - 0.025	0	%
0.026 - 0.050	0	%
0.051 - 0.100	0	%
0.101 ...	0	%
Avg:	for	0 Samples

Sulfate (mg/L)

None Detected	0	%
...25	0	%
26 - 50	0	%
51 - 75	0	%
76 - 100	0	%
101 ...	0	%
Avg:	for	0 Samples

Zinc (mg/L)

None Detected	0	%
... 0.100	0	%
0.101 - 0.500	0	%
0.501 - 1.000	0	%
1.001 - 5.000	0	%
5.001 ...	0	%
Avg:	for	0 Samples