

Summary

Green County

7/31/2017

UWEX Private Well Project Albany, Brooklyn, Mt. Pleasant, and New Glarus, 6/2017

4:18 PM

Total Number Samples: 128

Sample Dates: 6/25/2017 to 6/27/2017

Reason for Test	Last Test (yr)		Problems		Treatment Sys		Depth (ft)	Well	Casing	Water	Well Diam (in)		
Curious	83 %	Never	9 %	Color	7 %	Softener	73 %	... 25	2%	<1%	4%	... 3	2%
Problems	2 %	< 1	2 %	Taste	2 %	R/O	8 %	26-50	<1%	4%	4%	4 - 9	38%
Regular	12 %	1 - 2	4 %	Odor	3 %	Carb Filt	8 %	51-100	7%	13%	4%	10 - 18	2%
Required	0 %	2 - 5	18 %	Corr	0 %	Neutral	0 %	101-150	9%	3%	4%	18 +	0%
Bac Retest	<1 %	5 - 10	19 %	Health	2 %	Part Filt	16 %	151-200	3%	3%	2%		
Disinfect	0 %	10 +	21 %	Other	7 %	Iron Filt	7 %	201 ...	14%	0%	0%		
Infant...	2 %	Unk	19 %	None	61 %	Other	3 %						
Other	5 %												

pH			Conductivity (umhos/cm)			Alkalinity (mg/L CaCO3)		
... 5.00	0	0 %	... 100	0	0 %	... 50	2	2 %
5.01 - 6.00	0	0 %	101 - 250	4	3 %	51 - 100	2	2 %
6.01 - 7.00	0	0 %	251 - 500	14	11 %	101 - 200	4	3 %
7.01 - 8.00	70	55 %	501 - 750	77	61 %	201 - 300	64	50 %
8.01 - 9.00	57	45 %	751 - 1000	31	24 %	301 - 400	53	42 %
9.01 ...	0	0 %	1001 ...	1	<1 %	401 ...	2	2 %
Avg: 7.78	for	127 Samples	Avg: 647	for	127 Samples	Avg: 289	for	127 Samples

Total Hardness (mg/L CaCO3)			Nitrate (mg/L as N)			Chloride (mg/L)		
... 50	14	11 %	None Detected	14	11 %	None Detected	0	0 %
51 - 100	2	2 %	... 2.0	13	10 %	... 10	48	38 %
101 - 200	3	2 %	2.1 - 5.0	38	30 %	11 - 50	67	53 %
201 - 300	10	8 %	5.1 - 10.0	43	34 %	51 - 100	10	8 %
301 - 400	82	65 %	10.1 - 20.0	16	13 %	101 - 200	2	2 %
401 ...	16	13 %	20.1 ...	3	2 %	201 ...	0	0 %
Avg: 306	for	127 Samples	Avg: 5.8	for	127 Samples	Avg: 21.6	for	127 Samples

Saturation Index			Coliform Bacteria			Atrazine Screen* (ppb)		
... -3.0	1	<1 %	Bact Samples	127		None Detected	55	50 %
-2.9 - -2.0	1	<1 %	Pos Bacteria	25	20 %	... 0.3	37	33 %
-1.9 - -1.0	12	9 %				0.4 - 1.0	15	14 %
-0.9 - 0.0	10	8 %	E. coli Bacteria			1.1 - 2.0	4	4 %
0.1 - 1.0	98	77 %	E. coli Samples	25		2.1 - 3.0	0	0 %
1.1 ...	5	4 %	Pos E. coli	2	8 %	3.1 ...	0	0 %
Avg: 0.3	for	127 Samples				Avg: 0.2	for	111 Samples

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

Summary**Green County**

7/31/2017

UWEX Private Well Project Albany, Brooklyn, Mt. Pleasant, and New Glarus, 6/2017

4:18 PM

Total Number Samples: 128

Sample Dates: 6/25/2017 to 6/27/2017

Arsenic (mg/L)

None Detected	62	57 %
... 0.010	46	43 %
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 108 Samples

Calcium (mg/L)

None Detected	3	3 %
... 25	12	11 %
26 - 50	6	6 %
51 - 75	53	49 %
76 - 100	32	30 %
101 ...	2	2 %

Avg: 61.8 for 108 Samples

Copper (mg/L)

None Detected	0	0 %
... 0.130	61	56 %
0.131 - 0.500	40	37 %
0.501 - 0.900	5	5 %
0.901 - 1.300	1	<1 %
1.301 ...	1	<1 %

Avg: 0.167 for 108 Samples

Iron (mg/L)

None Detected	70	65 %
... 0.300	37	34 %
0.301 - 1.000	1	<1 %
1.001 - 2.000	0	0 %
2.001 - 5.000	0	0 %
5.001 ...	0	0 %

Avg: 0.019 for 108 Samples

Potassium (mg/L)

None Detected	7	6 %
... 20	101	94 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %

Avg: 1 for 108 Samples

Magnesium (mg/L)

None Detected	4	4 %
... 20	13	12 %
21 - 40	47	44 %
41 - 60	44	41 %
61 - 80	0	0 %
81 ...	0	0 %

Avg: 34.2 for 108 Samples

Manganese (mg/L)

None Detected	74	69 %
... 0.050	34	31 %
0.051 - 0.300	0	0 %
0.301 - 0.500	0	0 %
0.501 - 1.000	0	0 %
1.001 ...	0	0 %

Avg: 0.002 for 108 Samples

Sodium (mg/L)

None Detected	0	0 %
... 25	87	81 %
26 - 50	6	6 %
51 - 75	4	4 %
76 - 100	0	0 %
101 ...	11	10 %

Avg: 25 for 108 Samples

Lead (mg/L)

None Detected	60	56 %
... 0.015	45	42 %
0.016 - 0.025	1	<1 %
0.026 - 0.050	2	2 %
0.051 - 0.100	0	0 %
0.101 ...	0	0 %

Avg: <0.002 for 108 Samples

Sulfate (mg/L)

None Detected	1	<1 %
...25	78	72 %
26 - 50	24	22 %
51 - 75	4	4 %
76 - 100	1	<1 %
101 ...	0	0 %

Avg: 20.2 for 108 Samples

Zinc (mg/L)

None Detected	0	0 %
... 0.100	71	66 %
0.101 - 0.500	26	24 %
0.501 - 1.000	4	4 %
1.001 - 5.000	6	6 %
5.001 ...	1	<1 %

Avg: 0.246 for 108 Samples