

## Summary

UWEX Private Well Project

## Green County - 2022

Mt. Pleasant Brooklyn

9/13/2022

7:50 PM

Total Number Samples: 52

Sample Dates: 5/22/2022 to 5/23/2022

Reason for Test	Last Test (yr)	Problems	Treatment Sys	Depth (ft) Well	Casing	Water	Well Diam (in)			
Curious	88%	Never 4%	Color 2%	Softener 77%	... 25	0%	0%	6%	... 3	0%
Problems	6%	< 1 6%	Taste 2%	R/O 6%	26-50	0%	4%	4%	4 - 9	46%
Regular	6%	1 - 2 6%	Odor 0%	Carb Filt 12%	51-100	6%	17%	10%	10 - 18	2%
Required	0%	2 - 5 10%	Corr 2%	Neutral 0%	101-150	13%	6%	4%	18 +	0%
Bac Retest	0%	5 - 10 19%	Health 0%	Part Filt 12%	151-200	12%	0%	0%		
Disinfect	2%	10 + 23%	Other 4%	Iron Filt 2%	201 ...	15%	2%	0%		
Infant...	2%	Unk 19%	None 73%	Other 2%						
Other	8%									

pH		
... 5.00	0	0%
5.01 - 6.00	0	0%
6.01 - 7.00	2	4%
7.01 - 8.00	40	77%
8.01 - 9.00	10	19%
9.01 ...	0	0%
Avg: 7.44	for	52 Samples

Conductivity (umhos/cm)		
... 100	0	0%
101 - 250	1	2%
251 - 500	2	4%
501 - 750	33	63%
751 - 1000	14	27%
1001 ...	2	4%
Avg: 689	for	52 Samples

Alkalinity (mg/L CaCO3)		
... 50	1	2%
51 - 100	0	0%
101 - 200	1	2%
201 - 300	22	42%
301 - 400	25	48%
401 ...	3	6%
Avg: 309	for	52 Samples

Total Hardness (mg/L CaCO3)		
... 50	2	4%
51 - 100	2	4%
101 - 200	2	4%
201 - 300	8	15%
301 - 400	28	54%
401 ...	10	19%
Avg: 325	for	52 Samples

Nitrate (mg/L as N)		
None Detected	3	6%
... 2.0	3	6%
2.1 - 5.0	17	33%
5.1 - 10.0	17	33%
10.1 - 20.0	11	21%
20.1 ...	1	2%
Avg: 7	for	52 Samples

Chloride (mg/L)		
None Detected	0	0%
... 10	13	25%
11 - 50	33	63%
51 - 100	6	12%
101 - 200	0	0%
201 ...	0	0%
Avg: 25.2	for	52 Samples

Saturation Index		
... -3.0	1	2%
-2.9 - -2.0	0	0%
-1.9 - -1.0	0	0%
-0.9 - 0.0	6	12%
0.1 - 1.0	45	87%
1.1 ...	0	0%
Avg: 0.3	for	52 Samples

Coliform Bacteria		
Bact Samples	52	
Pos Bacteria	8	15%
E. coli Bacteria		
E. coli Samples	8	
Pos E. coli	1	12%

Atrazine Screen* (ppb)		
None Detected	25	53%
... 0.3	16	34%
0.4 - 1.0	5	11%
1.1 - 2.0	1	2%
2.1 - 3.0	0	0%
3.1 ...	0	0%
Avg: 0.1	for	47 Samples

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

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### Arsenic (mg/L)

None Detected	39	81 %
... 0.010	9	19 %
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	48 Samples	

### Calcium (mg/L)

None Detected	1	2 %
... 25	10	21 %
26 - 50	3	6 %
51 - 75	22	46 %
76 - 100	11	23 %
101 ...	1	2 %
Avg: 54 for	48 Samples	

### Copper (mg/L)

None Detected	1	2 %
... 0.130	31	65 %
0.131 - 0.500	13	27 %
0.501 - 0.900	2	4 %
0.901 - 1.300	0	0 %
1.301 ...	1	2 %
Avg: 0.216 for	48 Samples	

### Iron (mg/L)

None Detected	32	67 %
... 0.300	14	29 %
0.301 - 1.000	2	4 %
1.001 - 2.000	0	0 %
2.001 - 5.000	0	0 %
5.001 ...	0	0 %
Avg: 0.031 for	48 Samples	

### Potassium (mg/L)

None Detected	0	0 %
... 20	48	100 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 1.3 for	48 Samples	

### Magnesium (mg/L)

None Detected	0	0 %
... 20	12	25 %
21 - 40	16	33 %
41 - 60	20	42 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 31.2 for	48 Samples	

### Manganese (mg/L)

None Detected	35	73 %
... 0.050	13	27 %
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	48 Samples	

### Sodium (mg/L)

None Detected	0	0 %
... 25	30	62 %
26 - 50	4	8 %
51 - 75	2	4 %
76 - 100	3	6 %
101 ...	9	19 %
Avg: 48.1 for	48 Samples	

### Lead (mg/L)

None Detected	46	96 %
... 0.015	2	4 %
0.016 - 0.025	0	0 %
0.026 - 0.050	0	0 %
0.051 - 0.100	0	0 %
0.101 ...	0	0 %
Avg: <0.002 for	48 Samples	

### Sulfate (mg/L)

None Detected	0	0 %
...25	41	85 %
26 - 50	6	12 %
51 - 75	1	2 %
76 - 100	0	0 %
101 ...	0	0 %
Avg: 17.7 for	48 Samples	

### Zinc (mg/L)

None Detected	2	4 %
... 0.100	29	60 %
0.101 - 0.500	12	25 %
0.501 - 1.000	1	2 %
1.001 - 5.000	3	6 %
5.001 ...	1	2 %
Avg: 0.344 for	48 Samples	