

**Summary**

UWEX Private Well Project

**Green Co**

York - Washington

4/12/2016

12:37 PM

Total Number Samples: 64

Sample Dates: 3/14/2016 to 3/15/2016

Reason for Test	Last Test (yr)	Problems	Treatment Sys	Depth (ft) Well	Casing	Water	Well Diam (in)
Curious	72 %	Never 3 %	Color 3 %	Softener 72 %	... 25 0 %	2 %	3 %
Problems	9 %	< 1 5 %	Taste 5 %	R/O 11 %	26-50 0 %	2 %	3 %
Regular	16 %	1 - 2 5 %	Odor 5 %	Carb Filt 9 %	51-100 2 %	25 %	6 %
Required	2 %	2 - 5 31 %	Corr 0 %	Neutral 0 %	101-150 5 %	3 %	9 %
Bac Retest	2 %	5 - 10 16 %	Health 0 %	Part Filt 19 %	151-200 16 %	2 %	5 %
Disinfect	2 %	10 + 16 %	Other 12 %	Iron Filt 6 %	201 ... 25 %	3 %	0 %
Infant...	5 %	Unk 16 %	None 64 %	Other 5 %			
Other	6 %						

pH	Conductivity (umhos/cm)	Alkalinity (mg/L CaCO3)
... 5.00 0 0 %	... 100 3 5 %	... 50 4 6 %
5.01 - 6.00 0 0 %	101 - 250 1 2 %	51 - 100 0 0 %
6.01 - 7.00 1 2 %	251 - 500 12 19 %	101 - 200 1 2 %
7.01 - 8.00 12 19 %	501 - 750 37 59 %	201 - 300 29 46 %
8.01 - 9.00 50 79 %	751 - 1000 9 14 %	301 - 400 28 44 %
9.01 ... 0 0 %	1001 ... 1 2 %	401 ... 1 2 %
Avg: 8.06 for 63 Samples	Avg: 580 for 63 Samples	Avg: 282 for 63 Samples

Total Hardness (mg/L CaCO3)	Nitrate (mg/L as N)	Chloride (mg/L)
... 50 10 16 %	None Detected 7 11 %	None Detected 1 2 %
51 - 100 1 2 %	... 2.0 14 22 %	... 10 27 43 %
101 - 200 1 2 %	2.1 - 5.0 13 21 %	11 - 50 31 49 %
201 - 300 11 17 %	5.1 - 10.0 18 29 %	51 - 100 4 6 %
301 - 400 36 57 %	10.1 - 20.0 9 14 %	101 - 200 0 0 %
401 ... 4 6 %	20.1 ... 2 3 %	201 ... 0 0 %
Avg: 286 for 63 Samples	Avg: 5.6 for 63 Samples	Avg: 16.8 for 63 Samples

Saturation Index	Coliform Bacteria	Atrazine Screen* (ppb)
... -3.0 1 2 %	Bact Samples 63	None Detected 44 79 %
-2.9 - -2.0 2 3 %	Pos Bacteria 5 8 %	... 0.3 7 12 %
-1.9 - -1.0 1 2 %		0.4 - 1.0 5 9 %
-0.9 - 0.0 3 5 %	<b>E. coli Bacteria</b>	1.1 - 2.0 0 0 %
0.1 - 1.0 43 68 %	E. coli Samples 5	2.1 - 3.0 0 0 %
1.1 ... 13 21 %	Pos E. coli 0 0 %	3.1 ... 0 0 %
Avg: 0.6 for 63 Samples		Avg: <0.1 for 56 Samples

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

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**Arsenic (mg/L)**

None Detected	26	52 %
... 0.010	22	44 %
0.011 - 0.050	2	4 %
0.051 - 0.100	0	0 %
0.101 - 0.150	0	0 %
0.151 ...	0	0 %
Avg: <0.005 for	50 Samples	

**Calcium (mg/L)**

None Detected	1	2 %
... 25	7	14 %
26 - 50	3	6 %
51 - 75	26	52 %
76 - 100	12	24 %
101 ...	1	2 %
Avg: 58.5 for	50 Samples	

**Copper (mg/L)**

None Detected	0	0 %
... 0.130	29	58 %
0.131 - 0.500	18	36 %
0.501 - 0.900	2	4 %
0.901 - 1.300	0	0 %
1.301 ...	1	2 %
Avg: 0.169 for	50 Samples	

**Iron (mg/L)**

None Detected	38	76 %
... 0.300	12	24 %
0.301 - 1.000	0	0 %
1.001 - 2.000	0	0 %
2.001 - 5.000	0	0 %
5.001 ...	0	0 %
Avg: 0.004 for	50 Samples	

**Potassium (mg/L)**

None Detected	0	0 %
... 20	50	100 %
21 - 40	0	0 %
41 - 60	0	0 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 1.5 for	50 Samples	

**Magnesium (mg/L)**

None Detected	4	8 %
... 20	5	10 %
21 - 40	21	42 %
41 - 60	20	40 %
61 - 80	0	0 %
81 ...	0	0 %
Avg: 33.7 for	50 Samples	

**Manganese (mg/L)**

None Detected	30	60 %
... 0.050	20	40 %
0.051 - 0.300	0	0 %
0.301 - 0.500	0	0 %
0.501 - 1.000	0	0 %
1.001 ...	0	0 %
Avg: 0.003 for	50 Samples	

**Sodium (mg/L)**

None Detected	0	0 %
... 25	40	80 %
26 - 50	2	4 %
51 - 75	1	2 %
76 - 100	1	2 %
101 ...	6	12 %
Avg: 29.7 for	50 Samples	

**Lead (mg/L)**

None Detected	45	90 %
... 0.015	5	10 %
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	50 Samples	

**Sulfate (mg/L)**

None Detected	0	0 %
...25	32	64 %
26 - 50	17	34 %
51 - 75	1	2 %
76 - 100	0	0 %
101 ...	0	0 %
Avg: 21.4 for	50 Samples	

**Zinc (mg/L)**

None Detected	0	0 %
... 0.100	32	64 %
0.101 - 0.500	14	28 %
0.501 - 1.000	0	0 %
1.001 - 5.000	4	8 %
5.001 ...	0	0 %
Avg: 0.222 for	50 Samples	