

Long Island American Water
Malverne-area Test Results

<u>Location:</u>	<u>Date:</u>	<u>Time:</u>	<u>pH (field):</u>	<u>Cl2 Res (mg/L):</u>	<u>Temp (field)</u>	<u>Total Iron (mg/L):</u>	<u>Dissolved Iron:</u>	<u>Oxidized Iron:</u>	<u>Color (units):</u>	<u>Odor (units):</u>	<u>Turbidity (NTU):</u>	<u>Total Hardness:</u>	<u>Total Alkalinity:</u>	<u>Silica (mg/L):</u>
Oak St.														
Malverne, NY														
Bathroom C/W	2/24/2011	9:25	7.5	0.45	48 deg F	1.09	0.84	0.25	<5	0	<1.0	79.2	55.5	29.9
Bathroom H/W	2/24/2011	9:30	7.5	0.15	145 deg F	0.66	0.35	0.31	<5	0	<1.0	78.6	53.3	30.5
Scarcliffe Dr.														
Malverne, NY														
Kitchen C/W	2/24/2011	9:45	7.4	0.50	54 deg F	1.10	0.94	0.16	<5	0	<1.0	77.2	52.2	29.9
Kitchen H/W	2/24/2011	9:50	7.4	0.40	128 deg F	0.96	0.75	0.21	<5	0	<1.0	77	52.3	30.6
Walker St.														
Malverne, NY														
Kitchen C/W	2/24/2011	10:20	7.6	0.50	51 deg F	1.15	0.88	0.27	<5	0	<1.0	76.3	51.1	29.8
Kitchen H/W	2/24/2011	10:25	7.5	0.35	126 deg F	0.93	0.38	0.55	<5	0	<1.0	78.6	53.8	31.4
Rider Ave.														
Malverne, NY														
Kitchen C/W	2/24/2011	14:45	7.4	0.60	51 deg F	0.69	0.55	0.14	<5	0	<1.0	60.2	48.2	28.5
Kitchen H/W	2/24/2011	14:50	7.5	0.40	129 deg F	0.30	0.13	0.17	<5	0	<1.0	64.3	47.6	16.8
Aberdeen St.														
Malverne, NY														
LIAW-SS15 (C/W)	2/24/2011	10:00	7.6	0.55	54 deg F	0.73	0.57	0.16	<5	0	<1.0	62.2	47.1	24.6
Nassau Blvd.														
Malverne, NY														
Kitchen C/W	3/4/2011	9:10	7.3	0.50	51 deg	0.38	0.02	0.61	5	0	<1.0	62.9	42.8	10.9
Kitchen H/W	3/4/2011	9:15	7.3	0.25	125 deg F	0.48	0.39	0.09	10	0	<1.0	60.2	43.3	22.3
Aberdeen St.														
Malverne, NY														
LIAW-SS15 (C/W)	3/4/2011	11:25	8.1	0.65	52 deg F	0.60	0.45	0.15	5	0	<1.0	64.4	49.1	21.3

NOTES:

"MCL" = Maximum Contaminant Level = The highest level of a contaminant that is allowed in drinking water (**Cold Water**). The levels are set by health authorities.

Nassau Co. Health Dept suggests a pH range of 7.5 - 8.5 units (No MCL's stated)

Chlorine residual of Cold Water *should* be between 0.20 - 1.50 mg/L (Maximum MCL is 4.0 mg/L)

No MCL limit. Temp. of Hot Water should not be above 120 deg F. (LIAW guideline)

Cold Water Total Iron levels must be LESS than 1.50 mg/L (Nassau Co. Health Dept. MCL value = 1.50 mg/L).

Dissolved Iron values have no MCL values.

Oxidized Iron in Cold Water *should* be less than 0.30 mg/L (LIAW guideline - No MCL's stated).

Water with a Color value greater than 15 units is considered "Discolored" (MCL = 15 units).

Water with Odor value greater than 3 units would be considered to have a poor odor.

Turbidity is a measure of the clarity of water. MCL = 5.0 NTU

Total Hardness is an indication of the overall mineral content in the water (No MCL's stated).

Total Alkalinity is an indication of the buffering capabilities of water (No MCL's stated).

Silica is naturally-occurring and also a water treatment additive used to control discolorations due to Iron (No MCL level stated).