

# 2011 Lead and Copper Test Results

We check the effectiveness of our pH treatment by monitoring for Lead and Copper at our customers homes. The following results indicate our pH treatment is optimal.

The values reported below for lead and copper represent the 90th percentile of the total number of samples collected in each water system. A percentile is a value on a scale of 100 that indicates the percentage of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the lead values detected in your water system.

Compound	Unit of Measure	MCLG	Action Level	Likely Source
Lead	ug/l	0	15.	Household plumbing

Location	Violation Yes /No	Date of Sampling	Number of Samples	Results ug/l	90th Percentile Value (ug/l)	No. of Samples Over Action Level
SCWA	No	8/2-9/7	59	ND-3.68	1.71	0
Fire Island	No	7/9-8/12	24	ND-11.5	4.41	0
Stony Brook (1)	No	8/23-9/8	15	ND-15.7	3.35	1
Riverside	No	8/8-8/30	12	ND-1.59	ND	0
E. Farmingdale (2)	No	8/22-9/9	22	ND-108.	3.71	1

**(1)** - The 90th percentile value is equal to or greater than 90% of the lead values detected in the water system. In this case, 15 samples were collected from the water system shown above and the 90th percentile value was 3.35 ug/l for lead. The action level for lead was exceeded at one of the 15 sites tested.

**(2)** - The 90th percentile value is equal to or greater than 90% of the lead values detected in the water system. In this case, 22 samples were collected from the water system shown above and the 90th percentile value was 3.71 ug/l for lead. The action level for lead was exceeded at one of the 22 sites tested.

Compound	Unit of Measure	MCLG	Action Level	Likely Source
Copper	mg/l	1.3	1.3	Household plumbing

Location	Violation Yes /No	Date of Sampling	Number of Samples	Results mg/l	90th Percentile Value (1) mg/l	No. of Samples Over Action Level
SCWA	No	8/2-9/7	59	0.022-0.799	0.425	0
Fire Island	No	7/9-8/12	24	0.024-1.26	0.899	0
Stony Brook	No	8/23-9/8	15	0.052-0.438	0.290	0
Riverside	No	8/8-8/30	12	0.035-0.391	0.264	0
E. Farmingdale	No	8/22-9/9	22	0.070-0.715	0.376	0

**(1)** - The 90th percentile value is equal to or greater than 90% of the copper values detected in all the water systems listed. In this case, 132 total samples were collected from the water systems shown above and the 90th percentile values ranged from 0.264 to 0.899 mg/l for copper. The action level for copper was not exceeded at any of the 132 sites tested.