

**SUMMARY OF BIOCLERE ANALYTICAL RESULTS
TESTED TO STANDARD 40 BY THE NATIONAL SANITATION FOUNDATION**

		Average	Std. Dev.	Minimum	Maximum	Median	Interquartile Range
CBOD ₅ (mg/l)	influent	154	42	40	300	150	120-170
	effluent	11	4	4	26	11	8-14
Suspended Solids (mg/l)	influent	109	35	46	240	100	84-130
	effluent	5	2	<2	15	5	4-7
Volatile Suspended Solids (mg/l)	influent	103	34	46	240	96	77-130
	effluent	5	2	<2	14	4	4-6
pH	influent	-	-	6.5	7.8	7.4	7.3-7.5
	effluent	-	-	6.1	8.1	7.7	7.6-7.8
Temperature (°C)	influent	16	5	8	22	15	12-20
	effluent	15	5	6	24	15	11-19
Dissolved Oxygen (mg/l)	effluent	5.0	0.7	3.2	7.0	5.0	4.5-5.5

NOTES: The median is the point where half of the values are greater and half are less

The interquartile range is the range of values about the median between the upper and lower 25% of all values.

Testing of the Aquapoint Bioclere model 16/12-350 was conducted under the provisions of ANSI/NSF Standard 40 for Residential Wastewater Treatment Systems (January 1999 revisions). ANSI/NSF Standard 40 was developed by the NSF Joint Committee on Wastewater Technology.

The performance evaluation was conducted at the Buzzard's Bay Project Test Center located on the Otis Air National Guard Base in Massachusetts using residential wastewater diverted from the base. The evaluation started with two weeks of dosing without sampling to allow for plant start-up. Once a treatment biomass was established, NSF sampled for sixteen weeks at design flow, performed seven weeks of stress testing and then sampled for three more weeks at designed flow. Sampling began in late summer and continued into the winter, covering a range of operating temperatures.

Over the course of the evaluation, the average effluent CBOD₅ was 11 mg/l, ranging between 4 and 26 mg/l. The average effluent TSS was 5 mg/l, ranging between <2 and 15 mg/l. Effluent pH ranged from 6.1 to 8.1 within the required range of 6.0 to 9.0. The plant also met the requirements for noise levels (less than 60 dbA at a distance of 20 feet), color, threshold odor, oil film and foam.