

# **REPORT OF ANALYTICAL RESULTS**

# NETLAB Case Number W1116-33

Prepared for:

Attn: David Condrey Milford Water Company 66 Dilla Street Milford, MA 01757

Report Date: November 17, 2011

Richard Warila, Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC. 1254 Douglas Avenue, North Providence, RI 02904 (401) 353-3420

### SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The Samples listed in Table I were submitted to New England Testing Laboratory on November 16, 2011. The group of samples appearing in the report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is W1116-33.

### TABLE I, Samples Submitted

| Sample ID          | Date Sampled | Matrix         | Analysis Requested |
|--------------------|--------------|----------------|--------------------|
|                    |              |                |                    |
| Echo Lake/Raw      | 11/16/2011   | Drinking Water | Table II           |
| Finished Water Tap | 11/16/2011   | Drinking Water | Table II, III      |
| SSF #1 Effluent    | 11/16/2011   | Drinking Water | Table II           |
| SSF #3 Effluent    | 11/16/2011   | Drinking Water | Table II           |

#### **TABLE II, Analysis and Methods**

ANALYSIS Alkalinity Total Organic Carbon DETERMINATIVE METHOD 2320B 5310C

### **TABLE III, Analysis and Methods**

ANALYSIS Trihalomethanes DETERMINATIVE METHOD 524.2

Methods are documented in:

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, APHA, AWWA-WPCF

Manual of Methods for Chemical Analysis of Water and Water Wastes, EPA-600/4-29-020 (Revised 1983), USEPA/EMSL.

40 CFR 136, *Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act*, Office of Federal Register National Archives and Records Administration.

EPA-821-B-94-004

This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record.

## **CASE NARRATIVE**

All samples were found to be properly preserved/cooled upon receipt. All analyses were performed within EPA designated holding-times. Procedure/calibration checks required by the designated protocols were within control limits.

## Echo Lake/Raw

| Parameter            | Result, mg/l | Reporting Limit | Date Analyzed |
|----------------------|--------------|-----------------|---------------|
|                      |              |                 |               |
| Alkalinity           | 21           | 2               | 11/17/2011    |
| Total Organic Carbon | 2.93         | 0.20            | 11/16/2011    |

# **Finished Water Tap**

| Parameter            | Result, mg/l | <b>Reporting Limit</b> | Date Analyzed |
|----------------------|--------------|------------------------|---------------|
|                      |              |                        |               |
| Alkalinity           | 26           | 2                      | 11/17/2011    |
| Total Organic Carbon | 1.59         | 0.20                   | 11/16/2011    |

## SSF #1 Effluent

| Parameter            | Result, mg/l | <b>Reporting Limit</b> | Date Analyzed |
|----------------------|--------------|------------------------|---------------|
|                      |              |                        |               |
| Alkalinity           | 20           | 2                      | 11/17/2011    |
| Total Organic Carbon | 2.86         | 0.20                   | 11/16/2011    |

## SSF #3 Effluent

| Parameter            | Result, mg/l | <b>Reporting Limit</b> | Date Analyzed |
|----------------------|--------------|------------------------|---------------|
|                      |              |                        |               |
| Alkalinity           | 21           | 2                      | 11/17/2011    |
| Total Organic Carbon | 0.81         | 0.20                   | 11/16/2011    |

| Sample: Finished Water Tap |                   | Case No. W1116<br>Date Analyzed: 1 |                    |
|----------------------------|-------------------|------------------------------------|--------------------|
| Subject: Trihalomethanes   |                   |                                    |                    |
| Method: EPA 524.2          |                   |                                    |                    |
|                            | ~ .               | Method                             |                    |
|                            | Concentration     | Detection                          | Reporting          |
| <u>Compound</u>            | <u>ug/L (ppb)</u> | <u>Limit, ug/L</u>                 | <u>Limit, ug/L</u> |
|                            | ND                | o <b>z</b>                         | o <b>-</b>         |
| Bromoform                  | N.D.              | 0.5                                | 0.5                |
| Bromodichloromethane       | 9.0               | 0.5                                | 0.5                |
| Chlorodibromomethane       | 2.3               | 0.5                                | 0.5                |
| Chloroform                 | 36.6              | 0.5                                | 0.5                |
| Total Trihalomethanes      | 47.9              | 0.5                                | 0.5                |
| Surrogates:                |                   |                                    |                    |
| Compound                   | <u>% Recovery</u> |                                    | <u>Limits</u>      |
| 1,2-Dichlorobenzene d4     | 121               |                                    | 70-130             |
| 4 BFB                      | 120               |                                    | 70-130             |
|                            |                   |                                    |                    |

N.D.= Not Detected

New England Testing Laboratory, Inc.

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