



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W0804-26

Prepared for:

Milford Water Company
66 Dilla Street
Milford, MA 01757

Report Date: August 5, 2011

Richard Warila, Laboratory Director

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
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SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The Samples listed in Table I were submitted to New England Testing Laboratory on August 4, 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 W0804-26.

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
01-266 Purchase St	8/4/2011	Drinking Water	Table III
02-230 Main St	8/4/2011	Drinking Water	Table III
03 1 Country Side	8/4/2011	Drinking Water	Table III
04 22 Beaver St	8/4/2011	Drinking Water	Table III
Multi #1 (Blend)	8/5/2011	Drinking Water	Table II
RW025 (Echo Lake)	8/5/2011	Drinking Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	DETERMINATIVE METHOD
Alkalinity	2320B
Total Organic Carbon	5310C

TABLE III, Analysis and Methods

ANALYSIS	DETERMINATIVE METHOD
Total Trihalomethanes	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.

Multi #1 (Blend)

Parameter	Result, mg/l	Reporting Limit	Date Analyzed
Alkalinity	43	2	8/5/2011
Total Organic Carbon	2.41	0.20	8/5/2011

RW025 (Echo Lake)

Parameter	Result, mg/l	Reporting Limit	Date Analyzed
Alkalinity	19	2	8/5/2011
Total Organic Carbon	3.73	0.20	8/5/2011

ND = Not Detected

Sample: 01 266 Purchase St.

Case No. W0804-26

Date Analyzed: 8/4/11, 8/5/11

Subject: Trihalomethanes

Method: EPA 524.2

<u>Compound</u>	<u>Concentration ug/L (ppb)</u>	<u>Method Detection Limit, ug/L</u>	<u>Reporting Limit, ug/L</u>
Bromoform	N.D.	0.5	0.5
Bromodichloromethane	27.1	0.5	0.5
Chlorodibromomethane	3.3	0.5	0.5
Chloroform	94.7	0.5	0.5
Total Trihalomethanes	125.1	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	119	70-130
4 BFB	107	70-130

Sample: 012 230 Main St.

Case No. W0804-26

Date Analyzed: 8/4/11, 8/5/11

Subject: Trihalomethanes

Method: EPA 524.2

<u>Compound</u>	<u>Concentration ug/L (ppb)</u>	<u>Method Detection Limit, ug/L</u>	<u>Reporting Limit, ug/L</u>
Bromoform	N.D.	0.5	0.5
Bromodichloromethane	18.3	0.5	0.5
Chlorodibromomethane	2.2	0.5	0.5
Chloroform	56.0	0.5	0.5
Total Trihalomethanes	76.5	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	117	70-130
4 BFB	115	70-130

Sample: 03 1 Country Side Drive

Case No. W0804-26

Date Analyzed: 8/4/11, 8/5/11

Subject: Trihalomethanes

Method: EPA 524.2

<u>Compound</u>	<u>Concentration ug/L (ppb)</u>	<u>Method Detection Limit, ug/L</u>	<u>Reporting Limit, ug/L</u>
Bromoform	N.D.	0.5	0.5
Bromodichloromethane	28.0	0.5	0.5
Chlorodibromomethane	3.3	0.5	0.5
Chloroform	91.2	0.5	0.5
Total Trihalomethanes	122.5	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	128	70-130
4 BFB	114	70-130

Sample: 04 22 Beaver Street

Case No. W0804-26

Date Analyzed: 8/4/11, 8/5/11

Subject: Trihalomethanes

Method: EPA 524.2

<u>Compound</u>	<u>Concentration ug/L (ppb)</u>	<u>Method Detection Limit, ug/L</u>	<u>Reporting Limit, ug/L</u>
Bromoform	N.D.	0.5	0.5
Bromodichloromethane	27.0	0.5	0.5
Chlorodibromomethane	3.5	0.5	0.5
Chloroform	81.1	0.5	0.5
Total Trihalomethanes	112.0	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	114	70-130
4 BFB	121	70-130

Sample: 06 159 South Main St

Case No. W0804-26

Date Analyzed: 8/4/11, 8/5/11

Subject: Trihalomethanes

Method: EPA 524.2

<u>Compound</u>	<u>Concentration</u> <u>ug/L (ppb)</u>	<u>Method</u> <u>Detection</u> <u>Limit, ug/L</u>	<u>Reporting</u> <u>Limit, ug/L</u>
Bromoform	N.D.	0.5	0.5
Bromodichloromethane	29.6	0.5	0.5
Chlorodibromomethane	3.8	0.5	0.5
Chloroform	93.6	0.5	0.5
Total Trihalomethanes	127.0	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	114	70-130
4 BFB	126	70-130

NEW ENGLAND TESTING LABORATORY, INC.
 1254 Douglas Avenue
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W0804-26

CHAIN OF CUSTODY RECORD

PROJECT NAME/LOCATION		Specials "ASAP"		Miford Water Co		Specials "ASAP"		Miford Water Co		Miford Water Co		Miford Water Co		Miford Water Co		Miford Water Co		Miford Water Co		Miford Water Co				
DATE	TIME	C O M P	G R A B	SAMPLE I.D.	A C C E S S	O T H E R	N O . O F C O N T A I N E R S	P R E S E R V A T I V E	T H M ' S	T O C ' S	REMARKS	DATE	TIME	C O M P	G R A B	SAMPLE I.D.	A C C E S S	O T H E R	N O . O F C O N T A I N E R S	P R E S E R V A T I V E	T H M ' S	T O C ' S	REMARKS	
8/4/11	1117		✓	01-266 Purchase St	✓		2	M ₂ S ₂ O ₅ ✓			PH-7.8 tp-22.7° total Cl ₂ - .19													
8/4/11	1025		✓	02-230 Main St	✓		2	" " ✓			PH-7.9 tp-23.0° total Cl ₂ - .73													
8/4/11	1100		✓	03-1 Country Side Dr.	✓		2	" " ✓			PH-8.2 tp-22.8° total Cl ₂ - .19													
8/4/11	1033		✓	04-22 Beaver St	✓		2	" " ✓			PH-7.8 tp-22.7° total Cl ₂ - .37													
8/4/11	1000		✓	06-159 South Main St	✓		2	" " ✓			PH-7.66 tp-24.3° total Cl ₂ - .30													
8/4/11	1030			Multi #1 (Blend)			3		✓															
8/4/11	1040			RW025 (Echo Lake)			3		✓															
Sampled by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Laboratory Remarks:		Special Instructions:		Temp. received: <u>44</u>		Cooled <input type="checkbox"/>		Turnaround (Business Days)								
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Temp. received: <u>44</u>		Special Instructions:		Cooled <input type="checkbox"/>		Turnaround (Business Days)										
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Temp. received: <u>44</u>		Special Instructions:		Cooled <input type="checkbox"/>		Turnaround (Business Days)										

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates