



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W1221-13

Prepared for:

Milford Water Company
66 Dilla Street
Milford, MA 01757

Report Date: December 22, 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 December 21, 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 W1221-13.

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
E.L. Raw	12/21/2011	Drinking Water	Table II
Dilla St. Finish	12/21/2011	Drinking Water	Table II, III
DE Plant Blend	12/21/2011	Drinking Water	Table II
Slow Sand Filter #4	12/21/2011	Drinking Water	Table II
Slow Sand Filter #3	12/21/2011	Drinking Water	Table II
Hyd-Beaver Near LaQuinta (7050A)	12/21/2011	Drinking Water	Table III
Hyd Near 42 Bowdoin Dr. (7050B)	12/21/2011	Drinking Water	Table III
Hyd S. Main Near D&D (7050C)	12/21/2011	Drinking Water	Table III
Greeleaf-Main St. (7050D)	12/21/2011	Drinking Water	Table III
Hyd Purchase at Windsor (7050E)	12/21/2011	Drinking Water	Table III

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.

E.L. Raw

Parameter	Result, mg/l	Reporting Limit	Date Analyzed
Alkalinity	20	2	12/22/2011
Total Organic Carbon	4.04	0.20	12/21/2011

Dilla St. Finish

Parameter	Result, mg/l	Reporting Limit	Date Analyzed
Alkalinity	24	2	12/22/2011
Total Organic Carbon	1.95	0.20	12/21/2011

DE Plant Blend

Parameter	Result, mg/l	Reporting Limit	Date Analyzed
Alkalinity	20	2	12/22/2011
Total Organic Carbon	3.92	0.20	12/21/2011

Slow Sand Filter #4

Parameter	Result, mg/l	Reporting Limit	Date Analyzed
Alkalinity	30	2	12/22/2011
Total Organic Carbon	1.38	0.20	12/21/2011

Slow Sand Filter #3

Parameter	Result, mg/l	Reporting Limit	Date Analyzed
Alkalinity	19	2	12/22/2011
Total Organic Carbon	0.79	0.20	12/21/2011

ND = Not Detected

NA = Not Applicable

Sample: Dilla Street Finish

Case No. W1221-13

Date Analyzed: 12/21/11

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	3.7	0.5	0.5
Chlorodibromomethane	1.5	0.5	0.5
Chloroform	17.9	0.5	0.5
Total Trihalomethanes	23.1	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	101	70-130
4 BFB	101	70-130

Sample: Hyd-Beaver Near LaQuinta (7050A)

Case No. W1221-13

Date Analyzed: 12/21/11

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	6.6	0.5	0.5
Chlorodibromomethane	1.8	0.5	0.5
Chloroform	30.9	0.5	0.5
Total Trihalomethanes	39.3	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	107	70-130
4 BFB	102	70-130

N.D.= Not Detected

Sample: Hyd. Near 42 Bowdoin Dr. (7050B)

Case No. W1221-13

Date Analyzed: 12/21/11

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	12.0	0.5	0.5
Chlorodibromomethane	2.1	0.5	0.5
Chloroform	56.0	0.5	0.5
Total Trihalomethanes	70.1	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	96	70-130
4 BFB	91	70-130

Sample: Hyd. S. Main Near D&D (7050C)

Case No. W1221-13

Date Analyzed: 12/21/11

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	10.4	0.5	0.5
Chlorodibromomethane	3.3	0.5	0.5
Chloroform	32.6	0.5	0.5
Total Trihalomethanes	46.3	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	104	70-130
4 BFB	98	70-130

N.D.= Not Detected

Sample: Greeleaf-Main St. (7050D)

Case No. W1221-13

Date Analyzed: 12/21/11

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	7.0	0.5	0.5
Chlorodibromomethane	1.9	0.5	0.5
Chloroform	37.5	0.5	0.5
Total Trihalomethanes	46.4	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	101	70-130
4 BFB	100	70-130

Sample: Hyd. Purchase at Windsor (7050E)

Case No. W1221-13

Date Analyzed: 12/21/11

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	13.4	0.5	0.5
Chlorodibromomethane	2.1	0.5	0.5
Chloroform	65.4	0.5	0.5
Total Trihalomethanes	80.9	0.5	0.5

Surrogates:

<u>Compound</u>	<u>% Recovery</u>	<u>Limits</u>
1,2-Dichlorobenzene d4	104	70-130
4 BFB	101	70-130

N.D.= Not Detected

W1221-13

NEW ENGLAND TESTING LABORATORY, INC.
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 North Providence, RI 02904
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CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME/LOCATION		RESERVATIVE				TESTS**		REMARKS	
DATE	TIME	COM P	GRA B	SAMPLE I.D.	ACQUEOUS	SOIL	OTHER	NO. OF CONTAINERS	ALKALINITY	TOC	THM
CLIENT		GAC Project									
REPORT TO:		M/I Fed Water Co. - David Conroy									
INVOICE TO:		dconroy@milfordwater.com									
12/21	9:00A			E.L. RAW	✓			3	✓		
12/21	9:10A			D. 11 ST FINISH	✓			5	✓	✓	
12/21	9:35A			DE PLANT BLEND	✓			3	✓		
12/21	9:45A			SLOW SAND FILTER #4	✓			3	✓		
12/21	10:10A			SLOW SAND FILTER #3	✓			3	✓		
12-21	8:40A			hyd - BEAR near La Quinta (7050A)	✓			2		✓	
12-21	9:25A			hyd near 42 Bowdoin Dr (7050B)	✓			2		✓	
12-21	10 A			hyd S. Main near DTD (7050C)	✓			2		✓	
12-21	10:25A			Gravel - Main St (7050D)	✓			2		✓	
12-21	10:50A			hyd. Purchase @ Windsor (7050E)	✓			2		✓	
Sampled by: (Signature)		Kevin Kellett		Date/Time	12/21/11 11:15	Received by: (Signature)		Robert Lee		Laboratory Remarks:	
Relinquished by: (Signature)		Vincent Ferris		Date/Time	12/21/11 14:15	Received by: (Signature)		Megan Z		Temp. received: 5C	
Relinquished by: (Signature)		Robert Lee		Date/Time		Received for Laboratory by: (Signature)				Cooled <input type="checkbox"/>	
Relinquished by: (Signature)				Date/Time						Special Instructions:	
				Date/Time						List Specific Defection Limit Requirements:	
				Date/Time						Turnaround (Business Days)	

RDS#

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