

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Z1105-52

Prepared for:

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

Report Date: November 12, 2013

Reviewed By:

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 5, 2013. The group of samples appearing in this 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. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Z1105-52.

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
DBPI-105 Highland Street	11/4/13	Drinking Water	Table II
DBP2-68 Dilla Street	11/4/13	Drinking Water	Table II
DBP3-141 West Street	11/5/13	Drinking Water	Table II
DBP4-22 Beaver Street	11/4/13	Drinking Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	DETERMINATIVE METHOD
Total Trihalomethanes	524.2
Haloacetic Acids	552.2

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.

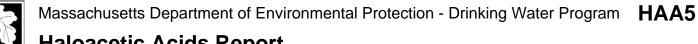
EPA-821-B-94-004



CASE NARRATIVE:

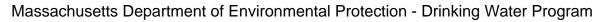
Sample Receipt

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.



Haloacetic Acids Report

DIA	WS INFORMAT	ION: Please refer	to your DEP Wate	r Quality Sampling	Schedule (W	(QSS) to help comp	plete this form		
PW	S ID #:	2185000	City / Town: MIL			LFORD			
PW	S Name:	Milford Water Co	ompany			PWS Class:	COM 🛛 N	TNC 🗆	
DEP LOCATION (LOC) ID# DEP Location Na				on Name	ne Date Collected			Collected By	
Α	DBP1	105 Highland S	treet			11/4/2013	V.F.		
В	DBP2	68 Dilla Street			11/4/2013			V.F.	
၁	DBP3	141 West Stree	t			11/5/2013	V.F.		
D	DBP4	22 Beaver Stree	et			11/4/2013	V.F.		
	Routine or	- J ,		40		If Resubmitted Repo	T		
•	Special Sample				Reason for Re		(2) Collection	Date of Original Sample	
Α	RS □SS					Report Correction			
В	RS □SS	<u> </u>	submitted	· · · · · · · · · · · · · · · · · · ·		Report Correction			
С	⊠ RS □ SS	1	submitted Confirma			Report Correction			
D	⊠ RS □ SS	☑ Original ☐ Res	submitted	ation	e ∐ Reanalysis	Report Correction			
	SAMPLE NOTES								
A B									
С									
D									
II. A	NALYTICAL L	ABORATORY INF	ORMATION:						
Prin	nary Lab MA Cer	t. #: M-RI010	Primary Lab Na	me: New England	New England Testing Laboratory			racted? (Y/N) N	
Ana	lysis Lab MA Ce	rt. #:	Analysis Lab Nai	Name:					
		MCL	MDL			RESULTS ¹ μg/L			
Contaminant		μg/L	A B		κΕ30Ε13 μg/L	С	D		
то	TAL HAA5	60		8.4	5.3	3	5.7	5.9	
	IOCHLOROACETIC		0.50	ND	ND)	ND	ND	
	ILOROACETIC ACI		0.50	3.3	1.7		1.7	2.0	
TRIC	CHLOROACETIC AC	CID	0.50	3.9	2.8	,	4.0	3.0	
MON	IOBROMOACETIC	ACID	0.50	ND	ND	1	ND	ND	
DIBF	ROMOACETIC ACID		0.50	1.2	0.8	,	ND	0.9	
Lab	Method			552.2	552.	2	552.2	552.2	
Date	Extracted			11/6/2013	11/6/2	013 11	1/6/2013	11/6/2013	
Date	e Analyzed			11/6/2013 11/6/2		013 11	1/6/2013	11/6/2013	
Lab Sample ID#				Z1105-52a Z1105		-52b Z1	105-52c	Z1105-52d	
Lab									
	rogate: Dibron	nopropionic aci		93 %	100	%	97 %	101 %	
Sur			r than 0 or ND (not a <		100	%	97 %	101 %	
Sur		sult as a number greate	r than 0 or ND (not a <		100	%	97 %	101 %	
Sur	port Total HAA5s re	sult as a number greate	r than 0 or ND (not a <		100	%	97 %	101 %	
Sur Re	port Total HAA5s re	sult as a number greate	r than 0 or ND (not a <		100	%	97 %	101 %	
Sur Re	port Total HAA5s re	sult as a number greate	r than 0 or ND (not a <		100	%	97 %	101 %	
Sur 1 Re	port Total HAA5s re	sult as a number greate	r than 0 or ND (not a <		100	%	97 %	101 %	
Surr Re	port Total HAA5s re LAB SAMPLE NO I certify und orized to fill out this	sult as a number greate	hat I am the persoi on contained herein is	MDL value).		or Signature:	كموليا كالم	101 %	
Sur 1 Re A B C D	port Total HAA5s re LAB SAMPLE NO I certify uncorized to fill out this accurate and comp	TES ler penalties of law to form and the information ete to the best extent of the surface of t	hat I am the person on contained herein is i my knowledge.	MDL value).	Lab Directo	or Signature: 6	/12/2013)	
Sur 1 Re A B C D	port Total HAA5s re LAB SAMPLE NO I certify uncorized to fill out this accurate and comp of submitting thes	TES ler penalties of law to form and the information ete to the best extent of the surface of t	hat I am the person on contained herein is f my knowledge. ly, mail <u>TWO</u> copies	Primary s of this report to you	Lab Directo	or Signature: 6 Date: 11 nal Office no later th	/12/2013 van 10 days afte	r the end of the month	





Total Trihalomethanes Report

I. P\	WS INFORMA	TION: P	lease refer t	o your DEP	Water Quali	ity Sampling Sche	dule (WQS	S) to help co	mplete this	form	
PWS	S ID #:	2185	000			City / Town:	MILFORI	D			
PWS Name: Milford Water Company				mpany				PWS Class: COM ⊠ NTNC □			
DI	EP LOCATION (LOC) ID#			DEP Loc	ocation Name			ample dified?	Date Collect	ed Collected By	
Α	DBP1	105 H	ighland Stı	eet			Ye	es 🛛	11/4/2013	3 V.F.	
В	DBP2	68 Dil	la Street				Ye	es 🛛	11/4/2013	V.F.	
С	DBP3	141 W	est Street				Υe	es 🛛	11/5/2013	8 V.F.	
D	DBP4	22 Be	aver Street				Ye	es 🛛	11/4/2013	B V.F.	
	Routine or Special Sample			Resubmitted of ation Report		(1) Posson	If Re for Resubm	esubmitted Re	•	ow: ction Date of Original Sample	
Α	RS □SS	M O	riginal 🔲 Resu	•		. ,			. ,	ction Date of Original Sample	
В	⊠RS □SS	+ -	riginal Resu			ļ — · · — —	☐ Resample ☐ Reanalysis ☐ Report Correction ☐ Resample ☐ Reanalysis ☐ Report Correction				
С	⊠RS ∏SS	-	riginal ☐ Resu			☐ Resample ☐ Rea		•			
D	⊠ RS □ SS	+	riginal Resu			☐ Resample ☐ Rea		•			
	SAMPLE NOTES		ga. 🗀						•••		
Α											
В											
С											
D											
II. A	NALYTICAL L	ABORA	TORY INFO	ORMATION	N:						
Prima	ary Lab MA Cer	t. #: M	-RI010	Primary Lab	Name: New	Name: New England Testing Lab Subd				contracted? (Y/N)	
	•										
Analysis Lab MA Cert. #: Analysis Lab Name:						DE(2111 TO1				
	Contaminant	:	MCL μg/L	MDL μg/L	Α	E		SULTS¹μg/l		D	
TO	TAL THMs		80		23.3	13	3.8	20	.8	15.7	
Bron	noform			0.5	0.5	N	D	NI)		
Chlo	roform			0.5	8.6	5.	2			ND	
	nodichlorometha						.5	9.	1	ND 6.3	
				0.5	8.5		.1	7.	5	6.3 5.7	
l ah	omochlorometha			0.5 0.5	5.7	3.	.1	7. 4.:	5	6.3 5.7 3.7	
	Method	ne				3.	.1	7.	5	6.3 5.7	
Date	Method Extracted (551.	ne			5.7 524.2	3.	4.2	7. 4. 524	5 2 2	6.3 5.7 3.7 524.2	
Date	Method Extracted (551. Analyzed	ne			5.7 524.2 11/7/20	3. 2 524 13 11/7/	4.2	7.: 4.: 524	5 2 2	6.3 5.7 3.7 524.2	
Date Date Lab	Method Extracted (551.	ne 1 only)	chlorobenzene	0.5	5.7 524.2	3. 524 13 11/7/ 52a Z1109	4.2	7. 4. 524	5 2 2 2 2013	6.3 5.7 3.7 524.2	
Date Date Lab Surrog	Method Extracted (551. Analyzed Sample ID#	ne 1 only) 1,2-Dic	chlorobenzene ofluorobenze	0.5	5.7 524.2 11/7/20 Z1105-5	3. 524 13 11/7/ 52a Z1109	.1 .4 4.2 2013 5-52b	7 4 524 11/7/2 Z1105	2013 52c %	6.3 5.7 3.7 524.2 11/7/2013 Z1105-52d	
Date Date Lab Surrog	Method Extracted (551. Analyzed Sample ID# gate #1:	ne 1 only) 1,2-Dic 4-Brome	ofluorobenzei	0.5	5.7 524.2 11/7/20 Z1105-5 118 % 108 %	3. 524 13 11/7/ 52a Z1109	.1 .4 4.2 22013 5-52b %	7.4 4.5 524 11/7/2 Z1105	2013 52c %	6.3 5.7 3.7 524.2 11/7/2013 Z1105-52d 97 %	
Date Date Lab Surrog Surrog	Method Extracted (551. Analyzed Sample ID# gate #1: gate #2:	1 only) 1,2-Dic 4-Brome	ofluorobenzei	0.5	5.7 524.2 11/7/20 Z1105-5 118 % 108 %	3. 524 13 11/7/ 52a Z1109	.1 .4 4.2 22013 5-52b %	7.4 4.5 524 11/7/2 Z1105	2013 52c %	6.3 5.7 3.7 524.2 11/7/2013 Z1105-52d 97 %	
Date Lab Surrog Surrog A	Method Extracted (551. Analyzed Sample ID# gate #1: gate #2: ort result as a numbe	1 only) 1,2-Dic 4-Brome	ofluorobenzei	0.5	5.7 524.2 11/7/20 Z1105-5 118 % 108 %	3. 524 13 11/7/ 52a Z1109	.1 .4 4.2 22013 5-52b %	7.4 4.5 524 11/7/2 Z1105	2013 52c %	6.3 5.7 3.7 524.2 11/7/2013 Z1105-52d 97 %	
Date Lab Surrog Surrog A B	Method Extracted (551. Analyzed Sample ID# gate #1: gate #2: ort result as a numbe	1 only) 1,2-Dic 4-Brome	ofluorobenzei	0.5	5.7 524.2 11/7/20 Z1105-5 118 % 108 %	3. 524 13 11/7/ 52a Z1109	.1 .4 4.2 22013 5-52b %	7.4 4.5 524 11/7/2 Z1105	2013 52c %	6.3 5.7 3.7 524.2 11/7/2013 Z1105-52d 97 %	
Date Date Lab Surrog Surrog A B C	Method Extracted (551. Analyzed Sample ID# gate #1: gate #2: ort result as a numbe	1 only) 1,2-Dic 4-Brome	ofluorobenzei	0.5	5.7 524.2 11/7/20 Z1105-5 118 % 108 %	3. 524 13 11/7/ 52a Z1109	.1 .4 4.2 22013 5-52b %	7.4 4.5 524 11/7/2 Z1105	2013 52c %	6.3 5.7 3.7 524.2 11/7/2013 Z1105-52d 97 %	
Date Lab Surrog Surrog A B C D	Method Extracted (551. Analyzed Sample ID# gate #1: gate #2: ort result as a numbe LAB SAMPLE NO	1 only) 1,2-Dic 4-Brome r greater tha DTES	ofluorobenzer n 0 or ND (not a	0.5 e ne	5.7 524.2 11/7/20 Z1105-5 118 % 108 %	3. 524 13 11/7/ 52a Z1109	.1 .4 4.2 .22013 5-52b %	7.4 4.524 11/7/2 Z1105 112	2013 52c %	6.3 5.7 3.7 524.2 11/7/2013 Z1105-52d 97 % 104 %	
Date Date Lab Surrog Surrog A B C D	Method Extracted (551. Analyzed Sample ID# gate #1: gate #2: ort result as a numbe LAB SAMPLE NO	1 only) 1,2-Dic 4-Brome r greater tha DTES der penalties form and implete to the results of the results.	es of law that the information he best extent electronically	o.5 ne < MDL value) I am the pen contained hof my knowled	5.7 524.2 11/7/20 Z1105-5 118 % 108 %	3. 2. 524 13 11/7/ 62a Z1109 6 89 6 100 Primary Lab D	.1 .4 .4 .2	7 4.: 524 11/7/2 Z1105 112 105 gnature: Date: Date:	2013 -52c % %	6.3 5.7 3.7 524.2 11/7/2013 Z1105-52d 97 % 104 %	
Date Date Lab Surrog Surrog Repe A B C D	Method Extracted (551. Analyzed Sample ID# gate #1: gate #2: ort result as a numbe LAB SAMPLE NO	1,2-Dic 4-Brome r greater tha DTES der penaltite is form and implete to the re results which you	es of law that the information best extent a lelectronically u received th	o.5 ne < MDL value) I am the pen contained hof my knowled	5.7 524.2 11/7/20 Z1105-5 118 % 108 % erson erein lge. copies of this no later than	3. 2 524 13 11/7/ 62a Z1109 6 100 Primary Lab D Sereport to your DEF 10 days after the enview	.1 .4 .4 .2	7 4.: 524 11/7/2 Z1105 112 105 gnature: Date: Date:	2013 -52c % %	6.3 5.7 3.7 524.2 11/7/2013 Z1105-52d 97 % 104 %	

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue North Providence, RI 02904 1-888-863-8522

CHAIN OF CUSTODY RECORD

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

