



## Secondary Contaminant Report

I. PWS INFORMATION: Please refer to your DEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #: **3116000** City / Town: **GROVELAND**  
 PWS Name: **Groveland Water Department** PWS Class: **COM**  **NTNC**  **TNC**

DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information	Date Collected	Collected By
A 10001	GP WELL #1	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	8/2/17 J. KOTULI
B 10002	GP WELL #3	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	8/2/17 J. KOTULI
	Routine or Special Sample	Original, Resubmitted or Confirmation Report		
			(1) Reason for Resubmission	(2) Collection Date of Original Sample
A	<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction	
B	<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction	
SAMPLE NOTES – (Such as, if a Manifold/Multiple sample, list any sources that were on-line during sample collection).				
A				
B				

## II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab MA Cert. #: **MA026** Primary Lab Name: **Biomarine Inc.** Subcontracted? (Y/N) **Y**  
 Analysis Lab MA Cert. #: **M-CT008** Analysis Lab Name: **MICROBAC LABS INC.**

Compound	Results		SMCL	MDL (mg/L)	Lab Method	Date Analyzed	Lab Sample ID#
	A	B					
IRON (mg/L)	0.417	0.223	0.3	0.0500	200.7 RV. 4.4	8/7/17	D7H0500-01, 02-65169A ,B
MANGANESE (mg/L)	0.137	0.452	0.05*	0.0020	200.7 RV. 4.4	8/7/17	D7H0500-01, 02-65169A ,B
ALKALINITY (mg/L as CaCO3)	74.2	87.5	None	1.00	SM2320B	8/8/17	D7H0500-01, 02-65169A ,B
CALCIUM (mg/L)	20.2	37.0	None	0.0510	200.7 RV. 4.4	8/7/17	D7H0500-01, 02-65169A ,B
MAGNESIUM (mg/L)	4.57	7.83	None	0.0510	200.7 RV. 4.4	8/7/17	D7H0500-01, 02-65169A ,B
HARDNESS (mg/L as CaCO3)	69.3	125	None	0.210	calc	8/7/17	D7H0500-01, 02-65169A ,B
POTASSIUM (mg/L)	1.68	3.58	None	0.204	200.7 RV. 4.4	8/7/17	D7H0500-01, 02-65169A ,B
TURBIDITY (mg/L)	0.320	0.230	None	0.100	SM2130B-2001	8/3/17	D7H0500-01, 02-65169A ,B
ALUMINUM (mg/L)	ND	ND	0.2	0.0102	200.8 RV. 5.4	8/4/17	D7H0500-01, 02-65169A ,B
CHLORIDE (mg/L)	26.0	149	250	2.00/8.00	SM4500-CL-D	8/8/17	D7H0500-01, 02-65169A ,B
COLOR (c.u.)	ND	10	15	-	SM2120B-1997	8/3/17	D7H0500-01, 02-65169A ,B
COPPER (mg/L)	0.0043	0.0027	1	0.0010	200.8 RV. 5.4	8/4/17	D7H0500-01, 02-65169A ,B
ODOR (T.O.N)	1.00	1.00	3	1.00	SM2150B-1997	8/3/17	D7H0500-01, 02-65169A ,B
pH	7.86	7.33	6.5-8.5	-	SM4500 H+B-2000	8/3/17	D7H0500-01, 02-65169A ,B
SILVER (mg/L)	ND	ND	0.10	0.0010	200.8 RV. 5.4	8/4/17	D7H0500-01, 02-65169A ,B
SULFATE (mg/L)	15.5	19.9	250	5.00	SM4500-SO4-E-1997	8/4/17	D7H0500-01, 02-65169A ,B
TDS (mg/L)	133	336	500	25.0	SM2540C-1997	8/7/17	D7H0500-01, 02-65169A ,B
ZINC (mg/L)	0.0053	0.0083	5	0.0051	200.8 RV. 5.4	8/4/17	D7H0500-01, 02-65169A ,B
* EPA has established a lifetime Health Advisory (HA) for manganese at 0.3 mg/L and an acute HA at 1.0 mg/L.							
LAB SAMPLE NOTES							
A							
B							

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: \_\_\_\_\_

Date: 8/11/17

If not submitting these results electronically, mail TWO copies of this report to your DEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner.

DEP REVIEW STATUS (Initial & Date) <input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved _____	Review Comments	<input type="checkbox"/> WQTS Data Entered
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## Secondary Contaminant Report

I. PWS INFORMATION: Please refer to your DEP Water Quality Sampling Schedule (WQSS) to help complete this form

PWS ID #: **3116000** City / Town: **GROVELAND**  
 PWS Name: **Groveland Water Department** PWS Class: **COM**  **NTNC**  **TNC**

DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information	Date Collected	Collected By
A 10004	GP WELL #4	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	8/2/17 J. KOTULI
B		<input type="checkbox"/> (M)ultiple <input type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input type="checkbox"/> (F)inished	
Routine or Special Sample	Original, Resubmitted or Confirmation Report	(1) Reason for Resubmission		(2) Collection Date of Original Sample
		<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction		
A <input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction		
B <input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction		
SAMPLE NOTES – (Such as, if a Manifold/Multiple sample, list any sources that were on-line during sample collection).				
A				
B				

## II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab MA Cert. #: **MA026** Primary Lab Name: **Biomarine Inc.** Subcontracted? (Y/N) **Y**  
 Analysis Lab MA Cert. #: **M-CT008** Analysis Lab Name: **MICROBAC LABS INC.**

Compound	Results		SMCL	MDL (mg/L)	Lab Method	Date Analyzed	Lab Sample ID#
	A	B					
IRON (mg/L)	ND	-	0.3	0.0500	200.7 RV. 4.4	8/7/17	D7H0500-03-65169C
MANGANESE (mg/L)	0.0257	-	0.05*	0.0020	200.7 RV. 4.4	8/7/17	D7H0500-03-65169C
ALKALINITY (mg/L as CaCO3)	82.2	-	None	1.00	SM2320B	8/8/17	D7H0500-03-65169C
CALCIUM (mg/L)	18.8	-	None	0.0500	200.7 RV. 4.4	8/7/17	D7H0500-03-65169C
MAGNESIUM (mg/L)	5.94	-	None	0.0500	200.7 RV. 4.4	8/7/17	D7H0500-03-65169C
HARDNESS (mg/L as CaCO3)	71.3	-	None	0.206	Calc	8/7/17	D7H0500-03-65169C
POTASSIUM (mg/L)	1.57	-	None	0.200	200.7 RV. 4.4	8/7/17	D7H0500-03-65169C
TURBIDITY (mg/L)	ND	-	None	0.100	SM2130B-2001	8/3/17	D7H0500-03-65169C
ALUMINUM (mg/L)	ND	-	0.2	0.0100	200.8 RV. 5.4	8/4/17	D7H0500-03-65169C
CHLORIDE (mg/L)	62.4	-	250	2.00	SM4500-CL-D	8/8/17	D7H0500-03-65169C
COLOR (c.u.)	ND	-	15	-	SM2120B-1997	8/3/17	D7H0500-03-65169C
COPPER (mg/L)	0.0015	-	1	0.0010	200.8 RV. 5.4	8/4/17	D7H0500-03-65169C
ODOR (T.O.N)	1.00	-	3	1.00	SM2150B-1997	8/3/17	D7H0500-03-65169C
pH	8.85	-	6.5-8.5	-	SM4500 H+B-2000	8/3/17	D7H0500-03-65169C
SILVER (mg/L)	ND	-	0.10	0.0010	200.8 RV. 5.4	8/4/17	D7H0500-03-65169C
SULFATE (mg/L)	14.2	-	250	5.00	SM4500-SO4-E-1997	8/4/17	D7H0500-03-65169C
TDS (mg/L)	183	-	500	25.0	SM2540C-1997	8/7/17	D7H0500-03-65169C
ZINC (mg/L)	ND	-	5	0.0050	200.8 RV. 5.4	8/4/17	D7H0500-03-65169C

\* EPA has established a lifetime Health Advisory (HA) for manganese at 0.3 mg/L and an acute HA at 1.0 mg/L.

LAB SAMPLE NOTES	
A	
B	

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: \_\_\_\_\_

Date: 8/11/17

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DEP REVIEW STATUS (Initial & Date) <input type="checkbox"/> Accepted _____ <input type="checkbox"/> Disapproved _____	Review Comments	<input type="checkbox"/> WQTS Data Entered
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 PWS Name: **Groveland Water Department** PWS Class: **COM**  **NTNC**  **TNC**

DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information	Date Collected	Collected By	
A 10001	GP WELL #1	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	8/2/17 J. KOTULI	
B 10002	GP WELL #3	<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	8/2/17 J. KOTULI	
	Routine or Special Sample	Original, Resubmitted or Confirmation Report	(1) Reason for Resubmission		(2) Collection Date of Original Sample
			<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction		
A	<input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction		
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SAMPLE NOTES – (Such as, if a Manifold/Multiple sample, list any sources that were on-line during sample collection).					
A					
B					

## II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab MA Cert. #: **MA026** Primary Lab Name: **Biomarine Inc.** Subcontracted? (Y/N) **Y**  
 Analysis Lab MA Cert. #: **M-CT008** Analysis Lab Name: **MICROBAC LABS INC.**

Compound	Results		SMCL	MDL (mg/L)	Lab Method	Date Analyzed	Lab Sample ID#
	A	B					
IRON (mg/L)			0.3	0.051	ICP BY 200.7		
MANGANESE (mg/L)	0.137	0.452	0.05*	0.0020	200.7 RV. 4.4	8/7/17	D7H0500-01, 02-65169A, B
ALKALINITY (mg/L as CaCO3)			None	1.0	SM2320B		
CALCIUM (mg/L)			None	0.051	ICP BY 200.7		
MAGNESIUM (mg/L)			None	0.051	ICP BY 200.7		
HARDNESS (mg/L as CaCO3)			None	0.35	SM2340B		
POTASSIUM (mg/L)			None	0.20	ICP BY 200.7		
TURBIDITY (mg/L)			None	0.10	SM2130B		
ALUMINUM (mg/L)			0.2	0.051	ICP BY 200.7		
CHLORIDE (mg/L)			250	2.0	SM4500-CL-D		
COLOR (C.U.)			15		SM2120B		
COPPER (mg/L)			1	0.0020	200.7		
ODOR (T.O.N)			3		SM2150B		
pH			6.5-8.5		SM 4500-H+B		
SILVER (mg/L)			0.10	0.0020	ICP BY 200.7		
SULFATE (mg/L)			250	5.0	SM4500-SO4-E		
TDS (mg/L)			500	10	SM 2540C		
ZINC (mg/L)			5	0.0051	ICP BY 200.7		
* EPA has established a lifetime Health Advisory (HA) for manganese at 0.3 mg/L and an acute HA at 1.0 mg/L.							
LAB SAMPLE NOTES							
A							
B							

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DEP LOCATION (LOC) ID#	DEP Location Name	Sample Information	Date Collected	Collected By
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B		<input type="checkbox"/> (M)ultiple <input checked="" type="checkbox"/> (S)ingle	<input type="checkbox"/> (R)aw <input checked="" type="checkbox"/> (F)inished	
Routine or Special Sample	Original, Resubmitted or Confirmation Report	If Resubmitted Report, list below:		
		(1) Reason for Resubmission	(2) Collection Date of Original Sample	
A <input checked="" type="checkbox"/> RS <input type="checkbox"/> SS	<input checked="" type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction		
B <input type="checkbox"/> RS <input type="checkbox"/> SS	<input type="checkbox"/> Original <input type="checkbox"/> Resubmitted <input type="checkbox"/> Confirmation	<input type="checkbox"/> Resample <input type="checkbox"/> Reanalysis <input type="checkbox"/> Report Correction		
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## II. ANALYTICAL LABORATORY INFORMATION:

Primary Lab MA Cert. #: **MA026** Primary Lab Name: **Biomarine Inc.** Subcontracted? (Y/N) **Y**  
 Analysis Lab MA Cert. #: **M-CT008** Analysis Lab Name: **MICROBAC LABS INC.**

Compound	Results		SMCL	MDL (mg/L)	Lab Method	Date Analyzed	Lab Sample ID#
	A	B					
IRON (mg/L)			0.3	0.050	ICP BY 200.7		
MANGANESE (mg/L)	0.0257	-	0.05*	0.0020	200.7 RV. 4.4	8/7/17	D7H00500-03-65169C
ALKALINITY (mg/L as CaCO3)			None	1.0	SM2320B		
CALCIUM (mg/L)			None	0.050	ICP BY 200.7		
MAGNESIUM (mg/L)			None	0.050	ICP BY 200.7		
HARDNESS (mg/L as CaCO3)			None	0.34	SM2340B		
POTASSIUM (mg/L)			None	0.20	ICP BY 200.7		
TURBIDITY (mg/L)			None	0.10	SM2130B		
ALUMINUM (mg/L)			0.2	0.050	ICP BY 200.7		
CHLORIDE (mg/L)			250	2.0	SM4500-CL-D		
COLOR (C.U.)			15		SM2120B		
COPPER (mg/L)			1	0.0020	200.7		
ODOR (T.O.N)			3		SM2150B		
pH			6.5-8.5		SM 4500-H+B		
SILVER (mg/L)			0.10	0.0020	ICP BY 200.7		
SULFATE (mg/L)			250	5.0	SM4500-SO4-E		
TDS (mg/L)			500	10	SM 2540C		
ZINC (mg/L)			5	0.0050	ICP BY 200.7		
* EPA has established a lifetime Health Advisory (HA) for manganese at 0.3 mg/L and an acute HA at 1.0 mg/L.							
LAB SAMPLE NOTES							
A							
B							

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Primary Lab Director Signature: \_\_\_\_\_

Date: 8/11/17

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Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D7H0500

Biomarine

Project Name: 65169

Tracey Fraser
16 East Main Street
Gloucester, MA 01930

Project / PO Number: 65169
Received: 08/03/2017
Reported: 08/09/2017

Analytical Testing Parameters

Table with client sample details: Client Sample ID: 65169A, Sample Matrix: Drinking Water, Lab Sample ID: D7H0500-01, Collected By: Customer, Collection Date: 08/02/2017 8:15

Main analytical results table with columns: General Parameters, Result, RL, Units, Note, Prepared, Analyzed, Lab. Includes sections for General Parameters, Inorganics, and Metals, Total.



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D7H0500

Client Sample ID: 65169A  
Sample Matrix: Drinking Water  
Lab Sample ID: D7H0500-01

Collected By: Customer  
Collection Date: 08/02/2017 8:15

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: EPA 200.8, Rv. 5.4</b>							
Aluminum	<0.0102	0.0102	mg/L		08/04/17 1029	08/04/17 1342	DAY
Copper	<b>0.0043</b>	0.0010	mg/L		08/04/17 1029	08/04/17 1342	DAY
Silver	<0.0010	0.0010	mg/L		08/04/17 1029	08/04/17 1342	DAY
Zinc	<b>0.0053</b>	0.0051	mg/L		08/04/17 1029	08/04/17 1342	DAY



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D7H0500

<b>Client Sample ID:</b> 65169B	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/02/2017 9:05
<b>Lab Sample ID:</b> D7H0500-02	

General Parameters	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: SM2120 B-2001</b>							
Color - Apparent	10		Color Units	Y1		08/03/17 2141	DAY
<b>Method: SM2130 B-2001</b>							
Turbidity	0.230	0.100	NTU			08/03/17 2141	DAY
<b>Method: SM2150 B-1997</b>							
Odor - TON	1.00	1.00	T.O.N.	H,Y1		08/03/17 2141	DAY
<b>Method: SM4500 H+ B-2000</b>							
pH	7.33		pH Units	H		08/03/17 2141	DAY
Inorganics	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: Calculation</b>							
Hardness - Total as CaCO3 (Calc)	125	0.210	mg CaCO3/L		08/07/17 0900	08/07/17 1539	
<b>Method: SM2320 B-1997</b>							
Alkalinity to pH 4.5	87.5	1.00	mg/L	A27		08/08/17 2125	DAY
<b>Method: SM2540 C-1997</b>							
Total Dissolved Solids (TDS)	336	25.0	mg/L		08/05/17 0116	08/07/17 1547	DAY
<b>Method: SM4500-Cl E-2011</b>							
Chloride	149	8.00	mg/L	Y		08/08/17 2057	DAY
<b>Method: SM4500-SO4 E-1997</b>							
Sulfate as SO4	19.9	5.00	mg/L			08/04/17 1404	DAY
Metals, Total	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: EPA 200.7, Rv. 4.4</b>							
Calcium	37.0	0.0510	mg/L		08/07/17 0900	08/07/17 1539	DAY
Manganese	0.452	0.0020	mg/L		08/07/17 0900	08/07/17 1539	DAY
Iron	0.223	0.0500	mg/L		08/07/17 0900	08/07/17 1539	DAY
Magnesium	7.83	0.0510	mg/L		08/07/17 0900	08/07/17 1539	DAY
Potassium	3.58	0.204	mg/L	Y1	08/07/17 0900	08/07/17 1539	DAY
Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: EPA 200.8, Rv. 5.4</b>							
Aluminum	<0.0102	0.0102	mg/L		08/04/17 1029	08/04/17 1346	DAY
Copper	0.0027	0.0010	mg/L		08/04/17 1029	08/04/17 1346	DAY
Silver	<0.0010	0.0010	mg/L		08/04/17 1029	08/04/17 1346	DAY

Microbac Laboratories, Inc.



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D7H0500

<b>Client Sample ID:</b> 65169B	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/02/2017 9:05
<b>Lab Sample ID:</b> D7H0500-02	

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: EPA 200.8, Rv. 5.4</b>							
Zinc	0.0083	0.0051	mg/L		08/04/17 1029	08/04/17 1346	DAY





Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D7H0500

<b>Client Sample ID:</b> 65169C	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/02/2017 9:16
<b>Lab Sample ID:</b> D7H0500-03	

General Parameters	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: SM2120 B-2001</b>							
Color - Apparent	ND		Color Units	Y1		08/03/17 2141	DAY
<b>Method: SM2130 B-2001</b>							
Turbidity	<0.100	0.100	NTU			08/03/17 2141	DAY
<b>Method: SM2150 B-1997</b>							
Odor - TON	1.00	1.00	T.O.N.	H,Y1		08/03/17 2141	DAY
<b>Method: SM4500 H+ B-2000</b>							
pH	8.85		pH Units	H		08/03/17 2141	DAY
Inorganics	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: Calculation</b>							
Hardness - Total as CaCO3 (Calc)	71.3	0.206	mg CaCO3/L		08/07/17 1409	08/08/17 1319	
<b>Method: SM2320 B-1997</b>							
Alkalinity to pH 4.5	82.2	1.00	mg/L	A27		08/08/17 2125	DAY
<b>Method: SM2540 C-1997</b>							
Total Dissolved Solids (TDS)	183	25.0	mg/L		08/05/17 0116	08/07/17 1547	DAY
<b>Method: SM4500-Cl E-2011</b>							
Chloride	62.4	2.00	mg/L	Y		08/08/17 2058	DAY
<b>Method: SM4500-SO4 E-1997</b>							
Sulfate as SO4	14.2	5.00	mg/L			08/04/17 1408	DAY
Metals, Total	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: EPA 200.7, Rv. 4.4</b>							
Calcium	18.8	0.0500	mg/L		08/07/17 1409	08/08/17 1319	DAY
Manganese	0.0257	0.0020	mg/L		08/07/17 1409	08/08/17 1319	DAY
Iron	<0.0500	0.0500	mg/L		08/07/17 1409	08/08/17 1319	DAY
Magnesium	5.94	0.0500	mg/L		08/07/17 1409	08/08/17 1319	DAY
Potassium	1.57	0.200	mg/L	Y1	08/07/17 1409	08/08/17 1319	DAY
Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: EPA 200.8, Rv. 5.4</b>							
Aluminum	<0.0100	0.0100	mg/L		08/07/17 1322	08/08/17 1238	DAY
Copper	0.0015	0.0010	mg/L		08/07/17 1322	08/08/17 1238	DAY
Silver	<0.0010	0.0010	mg/L		08/07/17 1322	08/08/17 1238	DAY

Microbac Laboratories, Inc.



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CERTIFICATE OF ANALYSIS

D7H0500

<b>Client Sample ID:</b> 65169C	<b>Collected By:</b> Customer
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/02/2017 9:16
<b>Lab Sample ID:</b> D7H0500-03	

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Lab
<b>Method: EPA 200.8, Rv. 5.4</b>							
Zinc	<0.0050	0.0050	mg/L		08/07/17 1322	08/08/17 1238	DAY

**Laboratory**

**DAY:** Microbac Laboratories, Inc. - Dayville

**Definitions**

- A27:** A separate bottle for the alkalinity analysis was not provided as required by the method.
- AL:** US EPA Action Level
- H:** Sample was analyzed past holding time.
- RL:** Reporting Limit
- SMCL:** US EPA Secondary Maximum Contaminant Level
- Y:** This analyte is not on the laboratory's current scope of accreditation.
- Y1:** Accreditation is not offered by the accrediting body for this analyte.

**Project Requested Certification(s)**

Microbac Laboratories, Inc. - Dayville  
M-CT008

Massachusetts Department of Environmental Protection

**Report Comments**

*Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.*

*The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.*

**Reviewed and Approved By:**

David P. Dickinson For Krysti M. Skidgell  
Project Manager  
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08/09/2017 17:34