

# CERTIFICATE OF ANALYSIS

Ms. Erin Kirchner **Essex Board of Health** Town Hall Essex, MA 01929

Biomarine Report No:

62785

August 18, 2016

## RE: BACTERIOLOGICAL ANALYSES OF BATHING WATERS

### **SAMPLE INFORMATION:**

Sample Description:	Bathing water samples as described below				
Samples Collected By:	Erin Kirchner				
Date Sample Collected:	8/16/16				
Sample Location:	See sites below				
Date and Time Analyzed:	8/16/16, 1530				

### FINDINGS:

Biomarine Sample ID	Sample Location	Time Sampled	Enterococci/100 mL			
62785 B	Clammer's Beach	1130	<10			
62785 C	Front Beach	1140	<10			

METHODS: IDEXX Enterolert (MPN)

**REMARKS:** 

The Mass. Department of Public Health currently accepts an enterococci count of <104/100ml in marine bathing waters.

Biomarine Sample ID	Sample Location	Time Sampled	E. coli/100 mL
62785 A	Chebacco Lake at Centennial Grove	1205	20
-	Camp Menorah	-	-

METHODS: IDEXX Colilert (MPN)

**REMARKS:** 

Mass. Department of Public Health currently accepts an E. coli count of <235/100 mL in fresh water bathing areas.

Jim Groleau, Laboratory Director

# **Beach Sampling Field Data Form**

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Exc	<b>δ 0</b>						S	5	OD H
Exceedance Notification: By:	Observations: T=Trash Current Weather Condition:			C	₿	>	Sample ID	Instructions:	Town/City of Collection: ESSEX MA Date Collected: 08/16/2016 Collected By: ERIN KIRCHNER
ce Not	tions: Veathe			Front	Clami	Cheb	Sa (Note	ons:	ty of C llected d By: I
ificati	T=			Front Beach	Clammer's Beach	Chebacco Lake Beach	Sample Location (Note beach and sampling location)	Collec	: 08/16
on: By	T=Trash ondition:				3each	ake Be	ocatic and samplion)	t samp	on: ES /2016 /RCHN
							oling	le(s) in surface	SEX N
	WS=Waste Solids Cloudy/Overcast			Marine	Marine	Fresh	Marine or Fresh	Collect sample(s) in areas of greatest bather load and at locations subject to contamination below water surface. Do not collect samples within 6 inches of bottom.	Ā
	1			1140	1130	1205	Sample Time	greate collect	
_ Dar	SD=Slud					ne	st bath		
Date/Time:	SD=Sludge Deposit O=Oils Sunny Rainy Fo			Clear	Clear	Clear	8	er load	
[e:	Deposit			Cloud	Cloud	Cloud	Water Clarity	and a	
	osit 0=0 Rainy			Cloudy/Murky	Cloudy/Murky	Cloudy/Murky	arity	t location	
	99	-		10 P		2 dile	-15	ons sub	공 및 ⊒
C	=Alg			4	29	8	Water Temp (°F)	oject to	Time Delivere Delivered By: Relinquished
Contacted:	j j			. )	, ,	4	Since ('0' if h	conta	Time Delivered to Delivered By: Relinquished To:
ed:	=Fish c			Y	7		Days Since Rain ('0' if w/in 24 hrs.)	minatio	Time Delivered to Lab: Delivered By: Relinquished To:
	F=Fish die-offs y Air Temp:			0-10	0-10	B			5.
	9.					- C	<b>Bathe</b> (Circl	niforn	W.
\ \ V	J=Jellyfish			11-20	11-20	11-20	Bather Density (in water) (Circle appropriate # range)	at a uniform depth of 3 feet. Collect samples 12 inches	A C
Via:	1.00			20-50	20-50	20-50	ty (in w	of 3 fee	ď.
	B=Birds	+					/ater) <sup>nge)</sup>	t. Coll	
	D=[			>50	>50	>50		ect sa	
	D=Dogs N			2	7	>	Obs ba	mples	
	N=None				_		bservations o	12 inch	
	one				^	11	Observations of bathing water	ies	
				1	1	22	1000		