61 Louisa Viens Drive
Dayville, CT 06241
Fax: 860-774-2689
Phone: 860-774-6814
Toll-Free: 800-334-0103

ANALYTICAL DATA REPORT

prepared for:

LMPA
31 Muriel Lane
Milford, MA 01757
Mark Sexton

Report Number: E506K43
Project: LMPA

Received Date: 06/17/2015
Report Date: 06/22/2015

David Dickinson
Technical Director

CT DPH #PH-0465 EPA #CT00008 MA DEP #M-CT008 ME DHHS #CT0050 NH ELAP #2020
NY ELAP #11549 PA DEP #68-04413 RI DOH #LAO00346 VT DOH #VT11549

101-0000000463303

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Dayville, CT 06241
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Report No: E506K43
Client: Lake MasPenock Preservation
Project: LMPA

CASE NARRATIVE / METHOD CONFORMANCE SUMMARY

The results presented in this report relate only to the samples received.

This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included, along with a copy of the chain of custody and any subcontracted analyses reports, if applicable, for the sample(s) in this report. Subcontractor results are identified by 'SUB' next to the analysis.

Microbac Laboratories, Inc. received three samples from Lake MasPenock Preservation on 06/17/2015. The samples were analyzed for the following list of analyses in accordance with MA DEP regulations unless otherwise indicated:

Dissolved Oxygen by 360.1 in DW/WW
360.1
Subcontract E. Coli by SM9222G
SM 9223B
Phosphorus, Total as P by 365.1 in DW/WW
365.1[365.1]
pH by SM 4500-H+B
SM 4500-H+B

Non-Conformances:

Work Order:

None

Sample:

None

Analysis:

None

Microbac Laboratories, Inc.
Analytical Data Report

Report No: E506K43
Date Received: 06/17/2015 15:37

Customer: Lake MasPenock Preservation
Project: LMPA

Parameter	Result	DL	Units	Completed	By	Dilution
(1) Lake Maspenock - North						
Date Collected: 06/17/2015 08:00	**Matrix: Aqueous**					
Dissolved Oxygen by 360.1	8.0	0.10	mg/L	06/17/2015 22:45	M_B	
Phosphorus as P by 365.1	0.012	0.010	mg/L	06/18/2015 09:28	JJT	
pH by SM 4500-H+B	6.5		pH Units	06/17/2015 21:35	AM	
E. coli by 9223B - SUB	1.0		/100mL	06/17/2015 15:15	SUB	
(2) Lake Maspenock - Middle						
Date Collected: 06/17/2015 08:10	**Matrix: Aqueous**					
Dissolved Oxygen by 360.1	8.1	0.10	mg/L	06/17/2015 22:45	M_B	
Phosphorus as P by 365.1	ND	0.010	mg/L	06/18/2015 09:28	JJT	
pH by SM 4500-H+B	6.7		pH Units	06/17/2015 21:35	AM	
E. coli by 9223B - SUB	<1.0		/100mL	06/17/2015 15:15	SUB	
(3) Lake Maspenock - South						
Date Collected: 06/17/2015 08:15	**Matrix: Aqueous**					
Dissolved Oxygen by 360.1	8.5	0.10	mg/L	06/17/2015 22:45	M_B	
Phosphorus as P by 365.1	ND	0.010	mg/L	06/18/2015 09:29	JJT	
pH by SM 4500-H+B	6.7		pH Units	06/17/2015 21:35	AM	
E. coli by 9223B - SUB	2.0		/100mL	06/17/2015 15:15	SUB	

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Certificate of Analysis

Contact: SUBCONTRACTING MANAGER

Microbac Laboratories, Inc. - Dayville
SUBCONTRACTING MANAGER
61 Louisa Veins Dr.
Dayville, CT 06241-1105

Project Name: LAKE MASPENOK - E506K43
Project / PO Number: N/A
Date Received: June 17, 2015
Time Received: 10:40 am

Analytical Testing Parameters

Client Sample ID: **NORTH**
Lab Sample ID: **1520939-01**

Collection Date: **6/17/2015**
Collection Time: **8:00 am**
Collected By: MARK SEXTON

MICROBIOLOGY

Parameter	Result	Units	RL	Method	Prepared	Analyzed	Analyst
E. coli	**1.0**	MPN/100 mL		SM20 9223B	6/17/2015 1515	6/18/2015 0945	cpt

Analytical Testing Parameters

Client Sample ID: **MIDDLE**
Lab Sample ID: **1520939-02**

Collection Date: **6/17/2015**
Collection Time: **8:10 am**
Collected By: MARK SEXTON

MICROBIOLOGY

Parameter	Result	Units	RL	Method	Prepared	Analyzed	Analyst
E. coli	**<1 EST**	MPN/100 mL		SM20 9223B	6/17/2015 1515	6/18/2015 0945	cpt

Analytical Testing Parameters

Client Sample ID: **SOUTH**
Lab Sample ID: **1520939-03**

Collection Date: **6/17/2015**
Collection Time: **8:15 am**
Collected By: MARK SEXTON

MICROBIOLOGY

Parameter	Result	Units	RL	Method	Prepared	Analyzed	Analyst
E. coli	**2.0**	MPN/100 mL		SM20 9223B	6/17/2015 1515	6/18/2015 0945	cpt

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Certificate of Analysis

Laboratory Certifications:

Below is a list of certifications maintained by Microbac Laboratories, Inc. All data included in this report has been reviewed for and meets all project specific and quality control requirements of the applicable accreditation, unless otherwise noted. A complete list of individual analytes pursuant to each certification below is available upon request.

- Massachusetts DEP M-MA003
- Massachusetts DPH State Dairy Laboratory 0056
- A2LA Biological Testing Cert No. 3302.01

Report Comments:

The **RL** is the **Reporting Limit**, which is defined as the lowest quantitation level of an analyte that can be readily achieved within the specified limits of precision and accuracy of an analytical method during routine laboratory operating conditions. The value may be raised depending on the characteristics or behavior of the target analyte.
This document shall not be reproduced, except in full, without the written approval of Microbac Laboratories, Inc.- Massachusetts Division. If there are any technical questions pertaining to this laboratory report please contact a Client Services Coordinator or the Laboratory Director at 508-595-0010.

Reviewed and Approved By:

Manish Shekhawat For Nancy Burnett
Laboratory Director Deputy

Date Reviewed and Approved:

6/18/2015

For any feedback concerning our services, please contact Manish Shekhawat, Laboratory Director at 508.595.0010. You may also contact J. Trevor Boyce, President at president@microbac.com

Please help us in meeting our Go Green initiative by selecting to have reports and invoices submitted via email only. Please contact Manish.Shekhawat@microbac.com to set up email reporting and invoicing options.

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Microbac Laboratories, Inc.

CHAIN OF CUSTODY FORM

100 Barber Avenue • Worcester MA 01606

Tel: (508) 595-0010 • Fax: (508) 595-0008

Lab WO #:

Project Manager:

Copy of Report To		Billing Information		Project Information	
CUSTOMER:	Lake Minsteruk Res Assc.	BILL TO:	Christine MacConnell	Project:	
ADDRESS:	6 Downey St	ADDRESS:	6 Downey St	Location:	
	Hopkinton MA 01748		Hopkinton, MA 01748	Contact:	
SAMPLER:	MARK SEXTON	PURCHASE ORDER #:		E-	WALK IN
E-MAIL:	MARK.SEXTON1@yahoo.com	ATTENTION:		PHC:	
PHONE:	508.244-9014 Fax:	PHONE:	CMAC109@Verizon.net	FAX:	

Sample Identification	Date Collected	Time Collected	Sample Type: COMPOSITE	Sample Type: GRAB	Sample Matrix	Number of Bottles	Analysis: EC	Analysis: PH	Analysis: Phos	Analysis: Alkalinity	Analysis: Oxygen					Preservatives: Sodium Thio	H_2SO_4	HCL	HNO_3	NONE	Mixed
North	6/17/15	800		X	SW	3	X	X	X	X											
Middle		810		X	SW	3															
South		815		X	SW	3															
152 c930 - Low																					

CUSTODY TRANSFER	DATE	Time
RELINQUISHED: Mark Sexton	6/17/15	10:40
RECEIVED:	6-17-15	1040
RELINQUISHED:		
RECEIVED:		
RELINQUISHED:		
RECEIVED:		

TURNAROUND (INDICATE IN CALENDAR DAYS)

FAX ☐ HARD COPY ☐ E-MAIL ☐

EXPEDITED SERVICE MAY BE SUBJECT TO SURCHARGE

COMMENTS:

CONDITIONS UPON RECEIPT: (CHECK ONE) COMPLIANT ☐

COOLED ☒ AMBIENT ☐ 20 °C Upon Receipt at lab

CHAIN OF CUSTODY FORM

MICROBAC®

Microbac Laboratories, Inc.

100 Barber Avenue • Worcester MA 01606

Tel: (508) 595-0010 • Fax: (508) 595-0008

Lab WO #: E506K43

Project Manager:

Copy of Report To	Billing Information	Project Information
CUSTOMER: Lake Maspenak Res Assoc.	BILL TO: ~~to~~ Christine MacConnell	Project:
ADDRESS: 6 Downey St Hopkinton MA 01748	ADDRESS: 6 Downey St Hopkinton, MA 01748	Location:
SAMPLER: MARK SEXTON	PURCHASE ORDER #	Contact IN CASE WHEN SAMPLES ARRIVE WE SHOULD CALL:
E-MAIL: MARK.SEXTON1@yahoo.com	ATTENTION:	E- WALK IN
PHONE: 508 244-9074 Fax:	PHONE: CMAC109@Verizon.net	PHC
		FAX:

Sample Identification	Date Collected	Time Collected	Sample Type: COMPOSITE	Sample Type: GRAB	Sample Matrix	Number of Bottles	Analysis: EC	Analysis: Pit	Analysis: Phos	Analysis: dissolved oxygen	Analysis	Analysis	Analysis	Analysis	Analysis	Preservatives: Sodium Thio	Preservatives: H_2SO_4	Preservatives: HCL	Preservatives: HNO_3	Preservatives: NON-PRES	Preservatives: Mixed
North	6/17/15	800		X	SW	3	X	X	X	X											
Middle		810		X	SW	3															
South		815		X	SW	3															
1520939 - Worc.																					

CUSTODY TRANSFER	DATE	Time
RELINQUISHED: Mark Sexton	6/17/15	10:40
RECEIVED:	6/17/15	1040
RELINQUISHED: MB	6-17-15	14:38
RECEIVED:	6-17-15	1438
RELINQUISHED: 8°C	6-17-15	1537
RECEIVED:	6/17/15	1537

TURNAROUND (INDICATE IN CALENDAR DAYS):

FAX ☐ HARD COPY ☐ E-MAIL ☐

EXPEDITED SERVICE MAY BE SUBJECT TO SURCHARGE

COMMENTS:

CONDITIONS UPON RECEIPT: (CHECK ONE) COMPLIANT ☐

COOLED ☒ AMBIENT ☐ 20 °C Upon Receipt at lab