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Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D4H1999

Lake Maspenock Preservation Association

Mark Sexton
31 Muriel Lane
Milford, MA 01757

Project Name: Pond Samples

Project / PO Number: N/A
Received: 08/20/2024
Reported: 08/29/2024

Analytical Testing Parameters

Client Sample ID: North
Sample Matrix: Aqueous
Lab Sample ID: D4H1999-01
Collected By: Customer
Collection Date: 08/20/2024 6:50

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	7.4	235	1	MPN/100mL		08/20/24 1407	08/21/24 1412	EMB

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.511		0.200	mg/L		08/21/24 0946	08/22/24 1440	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	6.71		0.100	mg/L	**H1,Y**		08/20/24 2353	AKS
Method: SM 4500-NO_3^- F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			08/21/24 0117	DCH
Nitrite as N	<0.0100		0.0100	mg/L	**Y**		08/21/24 0117	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.511		0.200	mg/L		08/21/24 0946	08/22/24 1440	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	<0.0106		0.0106	mg/L		08/21/24 2221	08/22/24 1136	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.21			S.U.	**H1**		08/20/24 2345	LMD

CERTIFICATE OF ANALYSIS

D4H1999

Client Sample ID:	Middle		
Sample Matrix:	Aqueous	**Collected By:**	Customer
Lab Sample ID:	D4H1999-02	**Collection Date:**	08/20/2024 6:40

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	4.1	235	1	MPN/100mL		08/20/24 1407	08/21/24 1412	EMB

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.338		0.200	mg/L		08/21/24 0946	08/22/24 1442	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	7.43		0.100	mg/L	**H1,Y**		08/20/24 2353	AKS
Method: SM 4500-NO_3^- F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			08/21/24 0118	DCH
Nitrite as N	<0.0100		0.0100	mg/L	**Y**		08/21/24 0118	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.338		0.200	mg/L		08/21/24 0946	08/22/24 1442	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0106		0.0106	mg/L		08/21/24 2221	08/22/24 1124	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.25			S.U.	**H1**		08/20/24 2345	LMD

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CERTIFICATE OF ANALYSIS

D4H1999

Client Sample ID:	South		
Sample Matrix:	Aqueous	**Collected By:**	Customer
Lab Sample ID:	D4H1999-03	**Collection Date:**	08/20/2024 6:30

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	3.1	235	1	MPN/100mL		08/20/24 1407	08/21/24 1412	EMB

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	<0.200		0.200	mg/L		08/21/24 0946	08/22/24 1443	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	7.19		0.100	mg/L	**H1,Y**		08/20/24 2353	AKS
Method: SM 4500-NO_3^- F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			08/21/24 0120	DCH
Nitrite as N	<0.0100		0.0100	mg/L	**Y**		08/21/24 0120	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	<0.200		0.200	mg/L		08/21/24 0946	08/22/24 1443	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	<0.0106		0.0106	mg/L		08/21/24 2221	08/22/24 1136	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.32			S.U.	**H1**		08/20/24 2345	LMD

*Results in **bold** have exceeded a limit defined for this project. Limits are provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.*

Definitions

H1:	Sample was received past holding time.
MCL:	US EPA Maximum Contaminant Level
mg/L:	Milligrams per Liter
MPN/100mL	Most Probable Number per 100 Milliliters
RL:	Reporting Limit
S.U.:	Standard Units
SMCL:	US EPA Secondary Maximum Contaminant Level
Y:	This analyte is not on the laboratory's current scope of accreditation.

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. ***The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.***

Reviewed and Approved By:

Melisa L. Montgomery
Quality Assurance Officer
Reported: 08/29/2024 14:49

MICROBAC® 61 Louisa Viens Dr., Dayville, CT 06241

D4H1999

CHAIN OF CUSTODY RECORD

Number _____ BMO

Instructions on back

LMPA - Lake Maspenock Preservation Associat

Time

(5 to 7 business days)
(otify lab)

TO BE COMPLETED BY MICROBAC

Temperature Upon Receipt (°C) 16.7°C IR1

Therm ID

Holding Time

Samples Received on Ice? Yes No N/A

Custody Seals Intact? Yes No N/A

Lab Report Address

Client Name: LMPA

Address:

City, State, Zip:

Contact: MARK SEXTON

Telephone No.: 508-244-5074

Address: 83 Wood St

City, State, Zip: Hopkinton MA 01748 (needed by)

Contact: Kerry Reed

Telephone No.: 508-497-9740

Report Type

[ ] Results Only [ ] Level 1 [ ] Level 2 [ ] Level 3 [ ] Level 4 [ ] EDD

Send Report via: [ ] Mail [ ] Fax [ ] e-mail (address)

Send Invoice via: [ ] Mail [ ] Fax [ ] e-mail (address)

Project:

Location: LAKE MASPENOCK HOPKINTON MA

PO No.:

Compliance Monitoring? [ ] Yes [ ] No
( ) Agency/Program

Sampled by (PRINT):

Sampler Signature:

Sampler Phone No.:

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)

** Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved

REQUESTED ANALYSIS

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix	Grab / Comp	Preservative Types **	PH	E.coli	Phos	DO	Nitrogen	Additional Notes
	NORTH	8/20/24	6:50AM			X		X	X	X	X	X	
	Middle	8/20/24	6:40AM			X		X	X	X	X	X	
	SOUTH	8/20/24	6:30AM			X		X	X	X	X	X	

If Served Upon Receipt:
Preservative ID: Pre preserved bottles
Date/Time: 8/20/24 10:20
Initials: JT

Possible Hazard Identification [ ] Hazardous [ ] Non-Hazardous [ ] Radioactive

Sample Disposition [ ] Dispose as appropriate [ ] Return [ ] Archive

Comments

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
Mark Sexton	8/20/24 9:00AM	Bryan Dow	8/20/24 9:00
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time

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Rev. 7/18/18