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Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D3H2503

Lake Maspenock Preservation Association

Mark Sexton
7 Downey ST
Hopkinton, MA 01748

Project Name: Pond Samples

Project / PO Number: check#697
Received: 08/21/2023
Reported: 08/25/2023

Analytical Testing Parameters

Client Sample ID: North
Sample Matrix: Aqueous
Lab Sample ID: D3H2503-01
Collected By: Mark Sexton
Collection Date: 08/21/2023 6:55

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	1	235	1	MPN/100mL		08/21/23 1405	08/22/23 1409	MKP

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.295		0.200	mg/L		08/23/23 0937	08/24/23 1303	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	8.10		0.100	mg/L	**H1,Y**		08/21/23 1900	AKS
Method: SM 4500-NO_3^- F-2016								
Nitrate & Nitrite as N	<0.0500		0.0500	mg/L	**A5,Y**		08/22/23 1954	CEO
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.295		0.200	mg/L		08/23/23 0937	08/24/23 1303	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0117		0.0106	mg/L		08/22/23 1544	08/23/23 1409	AJW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.52			S.U.	**H1**		08/21/23 1800	CEO

Client Sample ID:	Middle		
Sample Matrix:	Aqueous	**Collected By:**	Mark Sexton
Lab Sample ID:	D3H2503-02	**Collection Date:**	08/21/2023 6:45

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		08/21/23 1405	08/22/23 1409	MKP

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.280		0.200	mg/L		08/23/23 0937	08/24/23 1308	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	7.13		0.100	mg/L	**H1,Y**		08/21/23 1900	AKS
Method: SM 4500-NO_3^- F-2016								
Nitrate & Nitrite as N	<0.0500		0.0500	mg/L	**A5,Y**		08/22/23 1812	CEO
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.280		0.200	mg/L		08/23/23 0937	08/24/23 1308	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	<0.0106		0.0106	mg/L		08/22/23 1544	08/23/23 1410	AJW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.27			S.U.	**H1**		08/21/23 1800	CEO

CERTIFICATE OF ANALYSIS

D3H2503

Client Sample ID:	South		
Sample Matrix:	Aqueous	**Collected By:**	Mark Sexton
Lab Sample ID:	D3H2503-03	**Collection Date:**	08/21/2023 6:40

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	9.7	235	1	MPN/100mL		08/21/23 1405	08/22/23 1409	MKP

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.302		0.200	mg/L		08/23/23 0937	08/24/23 1309	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	6.81		0.100	mg/L	**H1,Y**		08/21/23 1900	AKS
Method: SM 4500-NO_3^- F-2016								
Nitrate & Nitrite as N	<0.0500		0.0500	mg/L	**A5,Y**		08/22/23 1813	CEO
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.302		0.200	mg/L		08/23/23 0937	08/24/23 1309	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0106		0.0106	mg/L	**R3**	08/22/23 1544	08/23/23 1405	AJW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.19			S.U.	**H1**		08/21/23 1800	CEO

*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

A5:	Sample was filtered (0.45 um) before analysis.
H1:	Sample was received past holding time.
mg/L:	Milligrams per Liter
MPN/100mL	Most Probable Number per 100 Milliliters
R3:	Duplicate RPD is outside of acceptance criteria. The difference between the results is less than 2x Method Reporting Limit.
RL:	Reporting Limit
S.U.:	Standard Units
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: 08/25/2023 17:35

MICROBAC® 51 Louisa Viens Dr., Dayville, CT 06

D 3 H 2 5 0 3

CHAIN OF CUSTODY RECORD

Number

Instructions on back

LMPA - Lake Maspenock Preservation Association

Lab Report Address:

Client Name: LMPA

Address: 31 MURIEL LANE

City, State, Zip: MILFORD MA 01757

Contact: 508-244-9074 02/24/23

Telephone No.: ~~508-244-9074~~

City, State, Zip:

Contact:

Telephone No.:

und Time

ne (5 to 7 business days)

* (notify lab)

(needed by)

Report Type

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

TO BE COMPLETED BY MICROBAC

Temperature Upon Receipt (°C) 18.0 °C

Therm ID

Holding Time

Samples Received on Ice? Yes No N/A

Custody Seals Intact? Yes No N/A

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

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

Project:

Location: Lake Maspenock Hopkinton, MA 01748

PO No.:

Compliance Monitoring? [ ] Yes [ ] No

( ) Agency/Program

Sampled by (PRINT): Mark Sexton

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	8/21/23	6:55AM			X		X	X	X	X	X	
	Middle	8/21/23	6:45AM			X		X	X	X	X	X	
	South	8/21/23	6:40AM			X		X	X	X	X	X	

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

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

Comments

Preserved Upon Receipt
Date: 8-21-23
Time: 10:45
Initials: JA

Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
	8/21/23 9:00		8/21/23 9:00
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time