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Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D4E0597

Lake Maspenock Preservation Association

Mark Sexton
31 Muriel Lane
Milford, MA 01757

Project Name: Pond Samples

Project / PO Number: N/A
Received: 05/07/2024
Reported: 05/13/2024

Analytical Testing Parameters

Client Sample ID: North
Sample Matrix: Aqueous
Lab Sample ID: D4E0597-01
Collected By: Customer
Collection Date: 05/07/2024 7:00

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	30.5	235	1	MPN/100mL	**H**	05/07/24 1720	05/08/24 1750	SES2

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	<0.200		0.200	mg/L		05/08/24 0939	05/08/24 1304	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	8.80		0.100	mg/L	**H1,Y**		05/07/24 2024	AKS
Method: SM 4500-NO_3^- F-2016								
Nitrate as N	<0.0500		0.0500	mg/L	**A5**		05/07/24 1639	AJW
Nitrite as N	<0.0100		0.0100	mg/L	**A5,Y1**		05/07/24 1639	AJW
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	<0.200		0.200	mg/L		05/08/24 0939	05/08/24 1304	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0138		0.0106	mg/L		05/07/24 1551	05/08/24 1101	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.07			S.U.	**H1**		05/07/24 2325	JCS

Client Sample ID:	Middle		
Sample Matrix:	Aqueous	**Collected By:**	Customer
Lab Sample ID:	D4E0597-02	**Collection Date:**	05/07/2024 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	**H**	05/07/24 1720	05/08/24 1750	SES2

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.224		0.200	mg/L		05/08/24 0939	05/08/24 1305	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	9.74		0.100	mg/L	**H1,Y**		05/07/24 2024	AKS
Method: SM 4500-NO_3^- F-2016								
Nitrate as N	<0.0500		0.0500	mg/L	**A5**		05/07/24 1640	AJW
Nitrite as N	<0.0100		0.0100	mg/L	**A5,Y1**		05/07/24 1640	AJW
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.224		0.200	mg/L		05/08/24 0939	05/08/24 1305	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0106		0.0106	mg/L		05/07/24 1551	05/08/24 1102	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.21			S.U.	**H1**		05/07/24 2325	JCS

Client Sample ID:	South		
Sample Matrix:	Aqueous	**Collected By:**	Customer
Lab Sample ID:	D4E0597-03	**Collection Date:**	05/07/2024 6:30

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	1	235	1	MPN/100mL	**H**	05/07/24 1720	05/08/24 1750	SES2

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	<0.200		0.200	mg/L		05/08/24 0939	05/08/24 1306	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	9.62		0.100	mg/L	**H1,Y**		05/07/24 2024	AKS
Method: SM 4500-NO_3^- F-2016								
Nitrate as N	<0.0500		0.0500	mg/L	**A5**		05/07/24 1641	AJW
Nitrite as N	<0.0100		0.0100	mg/L	**A5,Y1**		05/07/24 1641	AJW
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	<0.200		0.200	mg/L		05/08/24 0939	05/08/24 1306	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0106		0.0106	mg/L	**R3**	05/07/24 1551	05/08/24 1058	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.25			S.U.	**H1**		05/07/24 2325	JCS

*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.
H:	Sample was analyzed past holding time.
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
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. ***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: 05/13/2024 14:21

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D4E0597

CHAIN OF CUSTODY RECORD

Number _____ BMO

Instructions on back

TO BE COMPLETED BY MICROBAC

Temperature Upon Receipt (°C) 17.0

Therm ID IR-1

Holding Time

Samples Received on Ice? Yes No N/A (SES)

Custody Seals Intact? Yes No N/A

LMPA - Lake Maspenock Preservation Association

Lab Report Address	Invoice Address
Client Name: LMPA	Client Name: HopK
Address:	Address: 83 Wood ST
City, State, Zip:	City, State, Zip: HOPKINTON MA 01748 (needed by)
Contact: MARK SEXTON	Contact: Kerry Reed → DPW Director Report Type
Telephone No.: 508-244-5074	Telephone No.: 508-497-9740 [ ] 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	5/7/24	7:10AM			X		X	X	X	X	X						
	middle	5/7/24	6:45AM			X		X	X	X	X	X						
	SOUTH	5/7/24	6:30AM			X		X	X	X	X	X						

Preserved Upon Receipt
Preservative ID: Pre-preserved bottle
Date/Time: 5/7/24 1120
Initials: (W)

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
	5/7/24 8:30AM		5/7/24 0841
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time

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