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Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D5H2609

Lake Maspenock Preservation Association

Mark Sexton
31 Muriel Lane
Milford, MA 01757

Project Name: Pond Samples

Project / PO Number: N/A
Received: 08/25/2025
Reported: 08/29/2025

Analytical Testing Parameters

Client Sample ID: South
Sample Matrix: Aqueous
Lab Sample ID: D5H2609-01
Collected By: Customer
Collection Date: 08/25/2025 7:20

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	14.5	235	1	MPN/100mL		08/25/25 1506	08/26/25 1522	RES

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.318		0.200	mg/L		08/27/25 1001	08/28/25 1302	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	8.05		0.100	mg/L	**H1,Y1**		08/25/25 2015	LMD
Method: SM 4500-NO_3^- F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			08/25/25 2152	MRM
Nitrite as N	<0.0100		0.0100	mg/L	**Y1**		08/25/25 2152	MRM
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.318		0.200	mg/L		08/27/25 1001	08/28/25 1302	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	<0.0106		0.0106	mg/L		08/25/25 1828	08/26/25 1132	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.4			S.U.	**H1**		08/26/25 2322	OVM

CERTIFICATE OF ANALYSIS

D5H2609

Client Sample ID:	Middle		
Sample Matrix:	Aqueous	**Collected By:**	Customer
Lab Sample ID:	D5H2609-02	**Collection Date:**	08/25/2025 7:30

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	5.2	235	1	MPN/100mL		08/25/25 1506	08/26/25 1522	RES

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.346		0.200	mg/L		08/27/25 1001	08/28/25 1325	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	7.80		0.100	mg/L	**H1,Y1**		08/25/25 2015	LMD
Method: SM 4500-NO_3^- F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			08/25/25 2216	MRM
Nitrite as N	<0.0100		0.0100	mg/L	**Y1**		08/25/25 2216	MRM
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.346		0.200	mg/L		08/27/25 1001	08/28/25 1325	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	<0.0106		0.0106	mg/L		08/25/25 1828	08/26/25 1144	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.4			S.U.	**H1**		08/26/25 2322	OVM

CERTIFICATE OF ANALYSIS

D5H2609

Client Sample ID:	North		
Sample Matrix:	Aqueous	**Collected By:**	Customer
Lab Sample ID:	D5H2609-03	**Collection Date:**	08/25/2025 7:40

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		08/25/25 1506	08/26/25 1522	RES

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.338		0.200	mg/L		08/27/25 1001	08/28/25 1326	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	8.41		0.100	mg/L	**H1,Y1**		08/25/25 2015	LMD
Method: SM 4500-$NO3^-$ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			08/25/25 2217	MRM
Nitrite as N	<0.0100		0.0100	mg/L	**Y1**		08/25/25 2217	MRM
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.338		0.200	mg/L		08/27/25 1001	08/28/25 1326	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	<0.0106		0.0106	mg/L		08/25/25 1828	08/26/25 1145	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.5			S.U.	**H1**		08/26/25 2322	OVM

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CERTIFICATE OF ANALYSIS

D5H2609

Client Sample ID:	Maspenock Woods Basin		
Sample Matrix:	Aqueous	**Collected By:**	Customer
Lab Sample ID:	D5H2609-04	**Collection Date:**	08/25/2025 8:15

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	29.5	235	1	MPN/100mL		08/25/25 1506	08/26/25 1522	RES

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.476		0.200	mg/L		08/27/25 1001	08/28/25 1327	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	7.82		0.100	mg/L	**H1,Y1**		08/25/25 2015	LMD
Method: SM 4500-NO_3^- F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			08/25/25 2223	MRM
Nitrite as N	<0.0100		0.0100	mg/L	**Y1**		08/25/25 2223	MRM
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.476		0.200	mg/L		08/27/25 1001	08/28/25 1327	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	<0.0106		0.0106	mg/L		08/25/25 1828	08/26/25 1145	CLW

General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.4			S.U.	**H1**		08/26/25 2322	OVM

*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.
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
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: 08/29/2025 16:35

MICROBAC® 61 Louisa Viens Dr., Dayville, CT 0624

D5H2609

LMPA - Lake Maspenock Preservation Association

CHAIN OF CUSTODY RECORD

Number

Instructions on back

TO BE COMPLETED BY MICROBAC

Temperature Upon Receipt (°C) 12.4°C
Therm ID JM
Holding Time
Samples Received on Ice? Yes No N/A
Custody Seals Intact? Yes No N/A

Lab Report Address

Client Name: LMPA (Lake Maspenock Preservation Assn)
Address: 31 Muriel Lane
City, State, Zip: Milford MA 01757
Contact: Mark Sexton
Telephone No.: 508-244-9074

Address: 83 Wood Street
City, State, Zip: Hopkinton MA 01748
Contact: Kerry Reed
Telephone No.: 508-497-9740

d Time (5 to 7 business days) (notify lab)
(needed by)

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:
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 **	Ecoli	Phos	PH	Disolved Oxygen	Total Nitrogen						Additional Notes
	South	8/25/25	7:20AM			X		X	X	X	X	X						
	middle	8/25/25	7:30AM			X		X	X	X	X	X						
	North	8/25/25	7:40AM			X		X	X	X	X	X						
	Maspenock Woods Basin	8/25/25	8:15AM			X		X	X	X	X	X						

Preserved Upon Receipt
Preservative ID: Prepreserved Bottle
Date/Time: 8/25/25 12:47
Initials: [signature]

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
[signature]	8/25/25 11:50AM	[signature]	8-25-25 11:50

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rev. 7/18/18