



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D5E0293

Lake Maspenock Preservation Association

Project Name: Pond Samples

Mark Sexton
31 Muriel Lane
Milford, MA 01757

Project / PO Number: N/A
Received: 05/05/2025
Reported: 05/08/2025

Analytical Testing Parameters

Client Sample ID: South
Sample Matrix: Aqueous
Lab Sample ID: D5E0293-01

Collected By: Customer
Collection Date: 05/05/2025 6:50

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		05/05/25 1409	05/06/25 1418	MGP
Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.250		0.200	mg/L		05/07/25 0922	05/07/25 1230	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	9.35		0.100	mg/L	H1,Y1		05/05/25 2132	AKS
Method: SM 4500-NO ₃ ⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			05/06/25 0013	DCH
Nitrite as N	<0.0100		0.0100	mg/L	Y1		05/06/25 0013	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.250		0.200	mg/L	R3	05/07/25 0922	05/07/25 1230	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0159		0.0106	mg/L		05/06/25 1756	05/07/25 1128	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.25			S.U.	H1		05/05/25 2344	LMD



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CERTIFICATE OF ANALYSIS

D5E0293

Client Sample ID: Middle
Sample Matrix: Aqueous
Lab Sample ID: D5E0293-02

Collected By: Customer
Collection Date: 05/05/2025 7:00

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	10.9	235	1	MPN/100mL		05/05/25 1409	05/06/25 1418	MGP
Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.259		0.200	mg/L		05/07/25 0922	05/07/25 1236	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	9.31		0.100	mg/L	H1,Y1		05/05/25 2132	AKS
Method: SM 4500-NO₃⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			05/06/25 0018	DCH
Nitrite as N	<0.0100		0.0100	mg/L	Y1		05/06/25 0018	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.259		0.200	mg/L		05/07/25 0922	05/07/25 1236	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0149		0.0106	mg/L		05/06/25 1756	05/07/25 1120	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H⁺ B-2011								
pH	7.30			S.U.	H1		05/05/25 2344	LMD



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CERTIFICATE OF ANALYSIS

D5E0293

Client Sample ID: North
Sample Matrix: Aqueous
Lab Sample ID: D5E0293-03

Collected By: Customer
Collection Date: 05/05/2025 7:15

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	61.3	235	1	MPN/100mL		05/05/25 1409	05/06/25 1418	MGP
Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.368		0.200	mg/L		05/07/25 0922	05/07/25 1237	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	9.04		0.100	mg/L	H1,Y1		05/05/25 2132	AKS
Method: SM 4500-NO₃⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			05/06/25 0023	DCH
Nitrite as N	<0.0100		0.0100	mg/L	Y1		05/06/25 0023	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.368		0.200	mg/L		05/07/25 0922	05/07/25 1237	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0181		0.0106	mg/L		05/06/25 1756	05/07/25 1128	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H⁺ B-2011								
pH	7.39			S.U.	H1		05/05/25 2344	LMD



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CERTIFICATE OF ANALYSIS

D5E0293

Client Sample ID: Maspenock Woods Basin
Sample Matrix: Aqueous
Lab Sample ID: D5E0293-04

Collected By: Customer
Collection Date: 05/05/2025 7:30

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	8.6	235	1	MPN/100mL		05/05/25 1409	05/06/25 1418	MGP
Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.306		0.200	mg/L		05/07/25 0922	05/07/25 1238	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	8.10		0.100	mg/L	H1,Y1		05/05/25 2132	AKS
Method: SM 4500-NO₃⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			05/06/25 0024	DCH
Nitrite as N	<0.0100		0.0100	mg/L	Y1		05/06/25 0024	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.306		0.200	mg/L		05/07/25 0922	05/07/25 1238	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0244		0.0106	mg/L		05/06/25 1756	05/07/25 1129	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.28			S.U.	H1		05/05/25 2344	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.
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
RPD:	Relative Percent Difference
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



Microbac Laboratories, Inc. - Dayville

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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: 05/08/2025 14:54

Microbac Laboratories, Inc. - Dayville

61 Louisa Viens Drive | Dayville, CT 06241 | 860.774.6814 p | www.microbac.com



DDY RECORD

D 5 E 0 2 9 3

Lab Report Address

Invoice Address

Client Name: *Lake Maspenock Preservation Assoc. Client Name: Hopkinton DOW*Address: *31 Muriel Lane*City, State, Zip: *Milford MA 01757*Address: *83 Wood Street*City, State, Zip: *Hopkinton MA 01748* (needed by)Contact: *MARK SEXTON*Contact: *Kerry Reed*Telephone No.: *508-244-9074*Telephone No.: *508-497-9740*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	ECOL	Phos	Disolved oxygen	Alkalinity	Additional Notes
	SOUTH	5/5/25	6:50am	3		X		X	X	X		
	Middle	5/5/25	7:00am	3		X		X	X	X		
	NORTH	5/5/25	7:15am	3		X		X	X	X		
	Maspenock Woods BASIN	5/5/25	7:30am	3		X		X	X	X		
												PRESERVATIVE
												VERIFIED
												Initials <i>JP</i>

Possible Hazard Identification

☐ Hazardous ☐ Non-Hazardous ☐ Radioactive

Sample Disposition

☐ Dispose as appropriate ☐ Return ☐ Archive

Comments

Relinquished By (signature) *Mark Sexton* Date/Time *5/5/25 9:30am*

Received By (signature) *Mark Sexton* Date/Time *5/5/25 9:30*

Relinquished By (signature) _____ Date/Time _____

Received By (signature) _____ Date/Time _____