



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D5J2009

Lake Maspenock Preservation Association

Project Name: Pond Samples

Mark Sexton
31 Muriel Lane
Milford, MA 01757

Project / PO Number: N/A
Received: 10/20/2025
Reported: 10/24/2025

Analytical Testing Parameters

Table with client and lab information: Client Sample ID: South, Sample Matrix: Aqueous, Lab Sample ID: D5J2009-01, Collected By: Customer, Collection Date: 10/20/2025 14:05

Main analytical results table with columns: Microbiology, Inorganics Total, General Parameters, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Includes rows for Escherichia coli, Total Nitrogen, Oxygen, Dissolved, Nitrate as N, Nitrite as N, Total Kjeldahl Nitrogen (TKN), Phosphorus as P, and pH.



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D5J2009

Client Sample ID: Middle	Collected By: Customer
Sample Matrix: Aqueous	Collection Date: 10/20/2025 14:20
Lab Sample ID: D5J2009-02	

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	22.8	235	1	MPN/100mL		10/20/25 1627	10/21/25 1632	RES
Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.292		0.200	mg/L		10/22/25 0925	10/23/25 1153	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	9.52		0.100	mg/L	H1,Y1		10/20/25 1939	AKS
Method: SM 4500-NO3⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			10/20/25 2040	MRM
Nitrite as N	<0.0100		0.0100	mg/L	Y1		10/20/25 2040	MRM
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.292		0.200	mg/L		10/22/25 0925	10/23/25 1153	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0106		0.0106	mg/L		10/22/25 1735	10/23/25 1150	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.4			S.U.	H1		10/20/25 1816	LMD



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D5J2009

Client Sample ID: North	Collected By: Customer
Sample Matrix: Aqueous	Collection Date: 10/20/2025 14:30
Lab Sample ID: D5J2009-03	

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	9.8	235	1	MPN/100mL		10/20/25 1627	10/21/25 1632	RES
Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.414		0.200	mg/L		10/22/25 0925	10/23/25 1154	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	9.60		0.100	mg/L	H1,Y1		10/20/25 1939	AKS
Method: SM 4500-NO3⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			10/20/25 2041	MRM
Nitrite as N	<0.0100		0.0100	mg/L	Y1		10/20/25 2041	MRM
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.414		0.200	mg/L		10/22/25 0925	10/23/25 1154	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	<0.0106		0.0106	mg/L		10/22/25 1735	10/23/25 1150	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.2			S.U.	H1		10/20/25 1816	LMD



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D5J2009

Client Sample ID: Maspenock Woods Basin	Collected By: Customer
Sample Matrix: Aqueous	Collection Date: 10/20/2025 14:40
Lab Sample ID: D5J2009-04	

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	325.5	235	1	MPN/100mL		10/20/25 1627	10/21/25 1632	RES
Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.350		0.200	mg/L		10/22/25 0925	10/23/25 1155	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	8.56		0.100	mg/L	H1,Y1		10/20/25 1939	AKS
Method: SM 4500-NO3⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			10/20/25 2042	MRM
Nitrite as N	<0.0100		0.0100	mg/L	Y1		10/20/25 2042	MRM
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.350		0.200	mg/L		10/22/25 0925	10/23/25 1155	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0351		0.0106	mg/L		10/22/25 1735	10/23/25 1151	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.2			S.U.	H1		10/20/25 1816	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
- 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



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D5J2009

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

Technical Director

Reported: 10/24/2025 14:24

