



Microbac Laboratories, Inc. - Dayville

CERTIFICATE OF ANALYSIS

D4J0608

Lake Maspenock Preservation Association

Project Name: Pond Samples

Mark Sexton
31 Muriel Lane
Milford, MA 01757

Project / PO Number: N/A
Received: 10/03/2024
Reported: 10/11/2024

Analytical Testing Parameters

Client Sample ID:	North	Collected By:	Customer
Sample Matrix:	Aqueous	Collection Date:	10/03/2024 8:35
Lab Sample ID:	D4J0608-01		

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Collert Quanti-Tray)-2016								
Escherichia coli	5.2	235	1	MPN/100mL		10/03/24 1448	10/04/24 1600	MGP
Inorganics Total								
Method: Calculation								
Total Nitrogen	0.430		0.200	mg/L		10/04/24 1600	10/08/24 1440	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	8.11		0.100	mg/L	H1,Y		10/03/24 2112	AKS
Method: SM 4500-NO3⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			10/03/24 2247	DCH
Nitrite as N	<0.0100		0.0100	mg/L	Y1		10/03/24 2247	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.430		0.200	mg/L		10/04/24 1600	10/08/24 1440	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0159		0.0106	mg/L		10/03/24 1821	10/04/24 1108	CLW
General Parameters								
Method: SM 4500-H+ B-2011								
pH	7.43			S.U.	H1		10/03/24 2116	MOS



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Client Sample ID: Middle	Collected By: Customer
Sample Matrix: Aqueous	Collection Date: 10/03/2024 8:25
Lab Sample ID: D4J0608-02	

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	3.1	235	1	MPN/100mL		10/03/24 1448	10/04/24 1600	MGP
Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.379		0.200	mg/L		10/04/24 1600	10/08/24 1441	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	7.33		0.100	mg/L	H1,Y		10/03/24 2112	AKS
Method: SM 4500-NO3⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			10/03/24 2249	DCH
Nitrite as N	<0.0100		0.0100	mg/L	Y1		10/03/24 2249	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.379		0.200	mg/L		10/04/24 1600	10/08/24 1441	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0138		0.0106	mg/L		10/03/24 1821	10/04/24 1109	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.26			S.U.	H1		10/03/24 2116	MOS



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Client Sample ID: South	Collected By: Customer
Sample Matrix: Aqueous	Collection Date: 10/03/2024 8:15
Lab Sample ID: D4J0608-03	

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Micro - W/SM 9223 B (Colilert Quanti-Tray)-2016								
Escherichia coli	3.1	235	1	MPN/100mL		10/03/24 1448	10/04/24 1600	MGP
Inorganics Total								
Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: Calculation								
Total Nitrogen	0.373		0.200	mg/L		10/04/24 1600	10/08/24 1442	CLW
Method: HACH 10360, Rv. 1.2								
Oxygen, Dissolved	6.79		0.100	mg/L	H1,Y		10/03/24 2112	AKS
Method: SM 4500-NO3⁻ F-2016								
Nitrate as N	<0.0500		0.0500	mg/L			10/03/24 2250	DCH
Nitrite as N	<0.0100		0.0100	mg/L	Y1		10/03/24 2250	DCH
Method: Wet-Digestion-W/EPA 351.2, Rv. 2 (1993)								
Total Kjeldahl Nitrogen (TKN)	0.373		0.200	mg/L		10/04/24 1600	10/08/24 1442	CLW
Method: Wet-Digestion-W/EPA 365.1, Rv. 2 (1993)								
Phosphorus as P	0.0213		0.0106	mg/L		10/03/24 1821	10/04/24 1110	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: SM 4500-H+ B-2011								
pH	7.24			S.U.	H1		10/03/24 2116	MOS

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.
- MCL:** US EPA Maximum Contaminant Level
- 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
- 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



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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:

A handwritten signature in black ink, appearing to read "R Warila".

Ronald L. Warila

Director

Reported: 10/11/2024 08:25



Number
Instructions on back

TO BE COMPLETED BY MICROBAC

Temperature Upon Receipt (°C)
Therm ID 12.2 IRI 5C
Holding Time
Samples Received on Ice? Yes No N/A
Custody Seals Intact? Yes No N/A

Lab Report Address
Client Name: LMPA
Address: 31 MURIEL LANE
City, State, Zip: M.216RD MA 01757
Contact: MARK SEXTON
Telephone No.: 508-244-5074

Address: 85 WAC ST.
City, State, Zip: HOPKINTON MA 01748
Contact: KERRY REED
Telephone No.: 508-497-9740

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

Project: LAKE MASPENOCK PO No.:
Compliance Monitoring? Yes No
 Agency/Program

Sampler Signature: Sampler Phone No.:

Location: LAKE MASPENOCK PO No.:
HOPKINTON MA

Sampled by (PRINT):

* 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

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix	Grab / Comp	Preservative Types	PH	ECI	Phos	A	210ppm	Additional Notes
	NORTH	10/3/24	8:35AM			X		X	X	X	X	X	
	MIDDLE	10/3/24	8:25AM			X		X	X	X	X	X	
	SOUTH	10/3/24	8:15AM			X		X	X	X	X	X	
REQUESTED ANALYSIS													
Preserved Upon Receipt													
Preservative ID: <u>PH Preserved bottles</u>													
Date/Time: <u>10/3/24 11:47</u>													
Initials: <u>VC</u>													
Sample Disposition <input type="checkbox"/> Dispose as appropriate <input type="checkbox"/> Return <input type="checkbox"/> Archive													
Relinquished By (signature) <u> </u> Date/Time <u>10/3/24</u>													
Relinquished By (signature) <u> </u> Date/Time <u>10/3/24</u>													
Relinquished By (signature) <u> </u> Date/Time <u> </u>													
Received By (signature) <u> </u> Date/Time <u>10/3/24 11:33</u>													
Received By (signature) <u> </u> Date/Time <u> </u>													
Received By (signature) <u> </u> Date/Time <u> </u>													