



Microbac Laboratories, Inc., Lee

CERTIFICATE OF ANALYSIS

E4J0334

Project Name: Roxbury CT-XXXXXX

Project / PO Number: cc

Received: 10/10/2024

Reported: 10/16/2024

Case Narrative

This water sample does not meet the established EPA MCL's for potability for one or more parameters.

Analytical Testing Parameters

Client Sample ID:	Roxbury CT	Collected By:	Client
Sample Matrix:	Drinking Water	Collection Date:	10/10/2024 11:30
Lab Sample ID:	E4J0334-01		

Analyses Performed by: Microbac Laboratories, Inc. - Dayville

Inorganics Total	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: SM 2340 B-2011</b>								
Hardness, Total	25.4		0.210	mg CaCO3/L		10/14/24 1032	10/14/24 1640	JSK
<b>Method: SM 2540 C-1997</b>								
Total Dissolved Solids (TDS)	62.0	500 SMCL	10.0	mg/L	R3	10/11/24 2240	10/15/24 2035	AMF
<b>Method: SM 4500-NO3<sup>-</sup> F-2000</b>								
Nitrate as N	0.347	10 MCL	0.0500	mg/L			10/11/24 2347	DCH
Nitrite as N	<0.0100	1 MCL	0.0100	mg/L			10/11/24 2347	DCH
<b>Method: SM 4500-SO4<sup>-</sup> E-1997</b>								
Sulfate	7.35	250 SMCL	5.00	mg/L			10/15/24 1616	CLW
General Parameters	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: SM 2130 B-2001</b>								
Turbidity	0.261		0.100	NTU			10/11/24 1913	MOS
<b>Method: SM 4500-H+ B-2000</b>								
pH	8.31	6.50-8.5 SMCL		S.U.	H1		10/11/24 1913	MOS
<b>Method: SM 4500-H+ B-2011</b>								
Temperature	17.9			°C			10/11/24 1913	MOS
Metals Total by ICP	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.7, Rv. 4.4 (1994)</b>								
Calcium	6.38		0.0500	mg/L		10/14/24 1032	10/14/24 1640	JSK
Manganese	<0.00204	0.05 SMCL	0.00204	mg/L		10/14/24 1032	10/14/24 1640	JSK
Iron	<0.0500	0.3 SMCL	0.0500	mg/L		10/14/24 1032	10/14/24 1640	JSK
Magnesium	2.29		0.0510	mg/L	Y1	10/14/24 1032	10/14/24 1640	JSK
Sodium	5.48		1.02	mg/L		10/14/24 1032	10/14/24 1640	JSK

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CERTIFICATE OF ANALYSIS

E4J0334

<b>Client Sample ID:</b> Roxbury CT	<b>Collected By:</b> Client
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 10/10/2024 11:30
<b>Lab Sample ID:</b> E4J0334-01	

Metals Total by ICP	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Anions by IC	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method: EPA 300.0, Rv. 2.1 (1993)</b>								
Chloride	8.47	250 SMCL	1.00	mg/L			10/14/24 1656	ADF

Analyses Performed by: Microbac Laboratories, Inc., Lee

Microbiology	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method: SM 9223 B (Colilert-18)-2004</b>								
Total coliforms	<b>Present</b>			per 100mL		10/10/24 1615	10/11/24 1044	JRS
Escherichia coli	Absent			per 100mL		10/10/24 1615	10/11/24 1044	JRS

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

- °C: Degrees Celsius
- H1: Sample was received past holding time.
- MCL: US EPA Maximum Contaminant Level
- mg CaCO3/L: Milligrams Calcium Carbonate per Liter
- mg/L: Milligrams per Liter
- NTU: Nephelometric Turbidity Units
- 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
- 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., Lee M-MA1146	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:

Christine F. Reynolds  
 Service Center Manager  
 Reported: 10/16/2024 16:48