

CERTIFICATE OF ANALYSIS

Client: YALE School
10-A Jennings Road
Medford NJ 08055
Report Date: 1/10/2022
Report No.: 650104 - Lead Water
Project: East/Northfield
Rev #2, 1/11/2022
Client: YAL001
Project No.:

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7338999 Client No.: Northfield-1	Location: Nurse Sink * Sample acidified to pH <2.	Result(ppb): 1.30
Lab No.: 7339000 Client No.: Northfield-2	Location: D/F Hallway Corner * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7339001 Client No.: Northfield-3	Location: D/F Next To Rm 520 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7339002 Client No.: Northfield-4	Location: D/F Between Boy's/Girl's B/R * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7339003 Client No.: Northfield-5 Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.	Location: Girl's B/R * Sample acidified to pH <2.	Result(ppb): 9.20
Lab No.: 7339004 Client No.: Northfield-6	Location: Rm 220 Ladies Staff B/R * Sample acidified to pH <2.	Result(ppb): 1.40
Lab No.: 7339005 Client No.: Northfield-7	Location: Wood Men's Staff B/R * Sample acidified to pH <2.	Result(ppb): 2.20
Lab No.: 7339006 Client No.: Northfield-8	Location: Boy's B/R * Sample acidified to pH <2.	Result(ppb): 3.20
Lab No.: 7339007 Client No.: Northfield-9	Location: Utility Sink * Sample acidified to pH <2.	Result(ppb): <1.00

Please refer to the Appendix of this report for further information regarding your analysis.

Date Received: 1/5/2022
Date Analyzed: 01/10/2022
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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Customer Contact: Scott Klenc
Analysis: AAS-GF - ASTM D3559-08D

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL Office Manager: twchampion@iatl.com
iATL Account Representative: Kelly Klippel
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Water
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

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Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:
- ASTM D3559-08D
Certification:
- NYS-DOH No. 11021
- NJDEP No. 03863

Note: These methods are analytically equivalent to iATL's accredited method;

- USEPA 40CFR 141.11B
- USEPA 200.9 Pb, AAS-GF, RL <2 ppb/sample
- USEPA SW 846-7421 - Pb(AAS-GF, RL <2 ppb/sample)

Regulatory limit for lead in drinking water is 15.0 parts per billion as cited in EPA 40 CFR 141.11 National Primary Drinking Water Regulations, Subpart B. Maximum contaminant levels for inorganic chemicals.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Sample results are not corrected for contamination by field or analytical blanks.

PPB = Parts per billion. 1 µg/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

Appendix to Analytical Report:



9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

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Disclaimers / Qualifiers:

There may be some samples in this project that have a "NOTE:" associated with a sample result. We use added disclaimers or qualifiers to inform the client about something that requires further explanation. Here is a complete list with highlighted disclaimers pertinent to this project. For a full explanation of these and other disclaimers, please inquire at customerservice@iatl.com.

Matrix spiking is performed on each client batch to determine if interferences could impact results. When spike recoveries fall out of acceptable range matrix interference is suspected and samples are diluted until acceptable spike recovery can be achieved. Reporting limits will increase by the same degree as the dilution required.

Note: Sample dilution required due to matrix interference.

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.

* ASTM D3559 (D) calls for the addition of acid at the time of sampling. Unless so noted on the chain of custody by the client iATL acidifies samples to a pH of <2 at least 24 hours prior to analysis.