

CERTIFICATE OF ANALYSIS

Client: YALE School  
10-A Jennings Road  
Medford NJ 08055

Report Date: 12/29/2021  
Report No.: 649867 - Lead Water  
Project: YALE School Cherry Hill  
Project No.:

Client: YAL001

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7336607      Location: Lower 2nd Fl Rm 225 Sink      Result(ppb): <1.00  
Client No.: 1      \* Sample acidified to pH <2.

Lab No.: 7336608      Location: Lower 2nd Fl Girl's BR 202 L      Result(ppb): 2.30  
Client No.: 2      \* Sample acidified to pH <2.

Lab No.: 7336609      Location: Lower 2nd Fl Rm 222 Sink      Result(ppb): 3.00  
Client No.: 3      \* Sample acidified to pH <2.

Lab No.: 7336610      Location: Lower 2nd Fl Rm 200 BR Sink      Result(ppb): 1.80  
Client No.: 4      \* Sample acidified to pH <2.

Lab No.: 7336611      Location: Lower 2nd Fl Boy's BR 206 L      Result(ppb): <1.00  
Client No.: 5      \* Sample acidified to pH <2.

Lab No.: 7336612      Location: Lower 2nd Fl D/F Next To 222      Result(ppb): <1.00  
Client No.: 6      \* Sample acidified to pH <2.

Lab No.: 7336613      Location: Lower Rm 190 BR Sink      Result(ppb): 1.20  
Client No.: 7      \* Sample acidified to pH <2.

Lab No.: 7336614      Location: Lower 2nd Fl Girl's B/R 202 M      Result(ppb): Sample Not Analyzed  
Client No.: 8      \* Sample acidified to pH <2.

Lab No.: 7336615      Location: Lower 2nd Fl Rm 221 Sink      Result(ppb): 3.40  
Client No.: 9      \* Sample acidified to pH <2.

Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.

Lab No.: 7336616      Location: Lower 2nd Fl Boy's BR 206 M      Result(ppb): Sample Not Analyzed  
Client No.: 10      \* Sample acidified to pH <2.

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


Date Received: 12/28/2021

Date Analyzed: 12/29/2021

Signature: 

Analyst: Mark Stewart

Approved By:

  
Frank E. Ehrenfeld, III  
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7336617  
Client No.:11

Location: Lower D/F Next To BR  
\* Sample acidified to pH <2.

Result(ppb):<1.00

Lab No.:7336618  
Client No.:12

Location: Lower Rm 180 BR Sink  
\* Sample acidified to pH <2.

Result(ppb):1.50

Lab No.:7336619  
Client No.:13

Location: Lower 2nd Fl Girls BR 202 R  
\* Sample acidified to pH <2.

Result(ppb): Sample Not Analyzed

Lab No.:7336620  
Client No.:14

Location: Lower 2nd Fl Rm 227 Sink  
\* Sample acidified to pH <2.

Result(ppb):4.90

Lab No.:7336621  
Client No.:15

Location: Lower Rm 190 Sink  
\* Sample acidified to pH <2.

Result(ppb):1.90

Lab No.:7336622  
Client No.:16

Location: Lower 2nd Fl Boy's BR 206 R  
\* Sample acidified to pH <2.

Result(ppb): Sample Not Analyzed

Lab No.:7336623  
Client No.:17

Location: Lower 2nd Fl Rm 226 Sink  
\* Sample acidified to pH <2.

Result(ppb):1.10

Lab No.:7336624  
Client No.:18

Location: Lower 2nd Fl Rm 224 Sink  
\* Sample acidified to pH <2.

Result(ppb):2.40

Lab No.:7336625  
Client No.:19

Location: Lower Nurse's BR Sink  
\* Sample acidified to pH <2.

Result(ppb):1.50

Lab No.:7336626  
Client No.:20

Location: Lower Rm 161 Sink  
\* Sample acidified to pH <2.

Result(ppb):3.20


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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7336627  
Client No.: 21

Location: Lower D/F Next To Nurse  
\* Sample acidified to pH <2.

Result(ppb): <1.00

Lab No.: 7336628  
Client No.: 22

Location: Lower Boy's R  
\* Sample acidified to pH <2.

Result(ppb): 1.40

Lab No.: 7336629  
Client No.: 23

Location: Lower Boy's L  
\* Sample acidified to pH <2.

Result(ppb): 2.10

Lab No.: 7336630  
Client No.: 24

Location: Lower 2nd Fl Rm 223 Sink  
\* Sample acidified to pH <2.

Result(ppb): 1.00

Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.

Lab No.: 7336631  
Client No.: 25

Location: Lower Rm 170 Sink  
\* Sample acidified to pH <2.

Result(ppb): 1.50

Lab No.: 7336632  
Client No.: 26

Location: Lower Rm 161 BR Sink  
\* Sample acidified to pH <2.

Result(ppb): <1.00

Lab No.: 7336633  
Client No.: 27

Location: Lower Rm 170 BR Sink  
\* Sample acidified to pH <2.

Result(ppb): 1.80

Lab No.: 7336634  
Client No.: 28

Location: Lower Boiler Sink  
\* Sample acidified to pH <2.

Result(ppb): 1.80

Lab No.: 7336635  
Client No.: 29

Location: Lower Nurse Sink  
\* Sample acidified to pH <2.

Result(ppb): <1.00

Lab No.: 7336636  
Client No.: 30

Location: Lower Rm 180 Sink  
\* Sample acidified to pH <2.

Result(ppb): 1.80

Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.

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Date Analyzed: 12/29/2021

Frank E. Ehrenfeld, III

Signature:   
Analyst: Mark Stewart

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Project No.:

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7336637  
Client No.:31

Location: Lower Girl's R  
\* Sample acidified to pH <2.

Result(ppb):<1.00

Lab No.:7336638  
Client No.:32

Location: Lower Girl's L  
\* Sample acidified to pH <2.

Result(ppb):2.90

Lab No.:7336639  
Client No.:33

Location: Upper 3rd Fl Tub Sink  
\* Sample acidified to pH <2.

Result(ppb):<1.00

Lab No.:7336640  
Client No.:34

Location: Upper 2nd Fl Rm 481 Girl's BR Sink  
\* Sample acidified to pH <2.

Result(ppb):<1.00

Lab No.:7336641  
Client No.:35

Location: Upper 2nd Fl Girl's BR 481 M  
\* Sample acidified to pH <2.

Result(ppb): Sample Not Analyzed

Lab No.:7336642  
Client No.:36

Location: Upper 2nd Fl Girl's BR 481 R  
\* Sample acidified to pH <2.

Result(ppb): Sample Not Analyzed

Lab No.:7336643  
Client No.:37

Location: Upper Office B111 Sink  
\* Sample acidified to pH <2.

Result(ppb):13.1

Lab No.:7336644  
Client No.:38

Location: Upper 1st Fl Kitchen Sink  
\* Sample acidified to pH <2.

Result(ppb):1.80

Lab No.:7336645  
Client No.:39

Location: Upper 3rd Fl D/F  
\* Sample acidified to pH <2.

Result(ppb):<1.00

Lab No.:7336646  
Client No.:40

Location: Upper 1st Fl Staff BR Sink  
\* Sample acidified to pH <2.

Result(ppb):<1.00

Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.


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

Date Received: 12/28/2021

Date Analyzed: 12/29/2021

Signature:   
Analyst: Mark Stewart

Approved By:

  
Frank E. Ehrenfeld, III  
Laboratory Director

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Project: YALE School Cherry Hill  
Project No.:

Client: YAL001

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7336647  
Client No.: 41

Location: Upper 2nd Fl Boy's BR 480 L  
\* Sample acidified to pH <2.

Result(ppb): 2.80

Lab No.: 7336648  
Client No.: 42

Location: Upper 2nd Fl Boy's BR 480 R  
\* Sample acidified to pH <2.

Result(ppb): Sample Not Analyzed

Lab No.: 7336649  
Client No.: 43

Location: Upper 2nd Fl Boy's BR 480 M  
\* Sample acidified to pH <2.

Result(ppb): Sample Not Analyzed

Lab No.: 7336650  
Client No.: 44

Location: Upper 2nd Fl Rm 440 BR Sink  
\* Sample acidified to pH <2.

Result(ppb): 4.70

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

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Laboratory Director



CERTIFICATE OF ANALYSIS

Client: YALE School  
10-A Jennings Road  
Medford NJ 08055  
Client: YAL001

Report Date: 1/24/2022  
Report No.: 651107 - Lead Water  
Project: Y.A.L.E. School Cherry Hill  
Project No.:

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7348104 Client No.:1	Location:Upper 1st Fl Staff B/R Sink * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7348105 Client No.:2	Location:Lower 2nd Fl Rm 221 * Sample acidified to pH <2.	Result(ppb):1.90
Lab No.:7348106 Client No.:3	Location:Rm 180 * Sample acidified to pH <2.	Result(ppb):2.00
Lab No.:7348107 Client No.:4	Location:Rm 223 * Sample acidified to pH <2.	Result(ppb):1.20

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

Date Received: 1/21/2022  
Date Analyzed: 01/24/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: YALE School  
10-A Jennings Road  
Medford NJ 08055

Report Date: 1/24/2022  
Report No.: 651107 - Lead Water  
Project: Y.A.L.E. School Cherry Hill  
Project No.:

Client: YAL001

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

## Appendix to Analytical Report:

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](http://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.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

This report shall not be reproduced except in full, without written approval of the laboratory.

### 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

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Client: YAL001

Report Date: 1/24/2022  
Report No.: 651107 - Lead Water  
Project: Y.A.L.E. School Cherry Hill  
Project No.:

**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](mailto: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.