

CERTIFICATE OF ANALYSIS

Client: Coastal Environmental
721 Flittertown Rd
Hammonton NJ 08037

Report Date: 1/21/2022
Report No.: 650677 - Lead Water
Project: Pb BOE Requirement; Cherokee HS North
Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7344163 Location: C132 Custodial Bathroom Sink Result(ppb): <1.00
Client No.: 1CHSNPOE * Sample acidified to pH <2.

Lab No.: 7344164 Location: C101 Sink Result(ppb): <1.00
Client No.: 3CHSNDW * Sample acidified to pH <2.

Lab No.: 7344165 Location: C102 FCS Sink Result(ppb): <1.00
Client No.: 4CHSNEC * Sample acidified to pH <2.

Lab No.: 7344166 Location: C102 FCS Sink Result(ppb): <1.00
Client No.: 5CHSNEC * Sample acidified to pH <2.

Lab No.: 7344167 Location: C102 FCS Sink Result(ppb): <1.00
Client No.: 6CHSNEC * Sample acidified to pH <2.

Lab No.: 7344168 Location: C102 FCS Sink Result(ppb): <1.00
Client No.: 7CHSNEC * Sample acidified to pH <2.


Lab No.: 7344169 Location: C102 FCS Sink Result(ppb): <1.00
Client No.: 8CHSNEC * Sample acidified to pH <2.

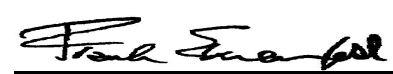
Lab No.: 7344170 Location: C100 Faculty Room Sink Result(ppb): <1.00
Client No.: 10CHSNTL * Sample acidified to pH <2.

Lab No.: 7344171 Location: C100 Hall Sink Health Office Nurse Result(ppb): <1.00
Client No.: 16CHSNNS * Sample acidified to pH <2.

Lab No.: 7344172 Location: C100 Hall Sink Health Office Nurse Result(ppb): <1.00
Client No.: 17CHSNIM * Sample acidified to pH <2.

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

Date Received: 1/17/2022
Date Analyzed: 01/21/2022
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7344173 Client No.: 19CHSNIM	Location: C100 Hall Boy's Locker Room Ice Machine * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7344174 Client No.: 23CHSNWC	Location: Middle Gym Hall Boy's Locker Room Bottle Fill * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7344175 Client No.: 25CHSNWC	Location: Bottle Filler - Middle Gym Hall Girl's Side * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7344176 Client No.: 30CHSNWC	Location: E200 Hall South Side Bottle Filler * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7344177 Client No.: 33CHSNWC	Location: E200 Hall F Side Bottle Filler * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7344178 Client No.: 36CHSNWD	Location: N Media Center Work Room 2nd Fl Sink * Sample acidified to pH <2.	Result(ppb): 2.60
Lab No.: 7344179 Client No.: 37CHSNWD	Location: N Media Center - 1st Floor Work Room Sink * Sample acidified to pH <2.	Result(ppb): 2.40
Lab No.: 7344180 Client No.: 39CHSNWD	Location: D230 Planning Center 3 Sink * Sample acidified to pH <2.	Result(ppb): 1.40
Lab No.: 7344181 Client No.: 41CHSNWD	Location: E100 Hall F Side - Bottle Filler * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7344182 Client No.: 44CHSNWD	Location: E100 Hall S Side Fountain * Sample acidified to pH <2.	Result(ppb): <1.00

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7344183 Location: E128 Class Room Sink Result(ppb): <1.00
Client No.: 46CHSNDW * Sample acidified to pH <2.

Lab No.: 7344184 Location: North Kitchen Sink Result(ppb): <1.00
Client No.: 47CHSNKC * Sample acidified to pH <2.

Lab No.: 7344185 Location: North Kitchen Sink Result(ppb): 1.80
Client No.: 48CHSNKC * Sample acidified to pH <2.

Lab No.: 7344186 Location: North Kitchen Sink Result(ppb): 540
Client No.: 49CHSNKC * Sample acidified to pH <2.

Lab No.: 7344187 Location: North Kitchen Sink Result(ppb): <1.00
Client No.: 50CHSNKC * Sample acidified to pH <2.

Lab No.: 7344188 Location: North Kitchen Braising Pan Result(ppb): <1.00
Client No.: 51CHSNFP * Sample acidified to pH <2.


Lab No.: 7344189 Location: North Kitchen - Steamer Result(ppb): <1.00
Client No.: 52CHSNFP * Sample acidified to pH <2.


Lab No.: 7344190 Location: North Kitchen L - Coffee Maker Result(ppb): <1.00
Client No.: 53CHSNFP * Sample acidified to pH <2.

Lab No.: 7344191 Location: North Kitchen R - Coffee Maker Result(ppb): 7.20
Client No.: 54CHSNFP * Sample acidified to pH <2.

Lab No.: 7344192 Location: North Kitchen Ice Machine Result(ppb): <1.00
Client No.: 55CHSNIM * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7344193 **Location:** N Cafe L Fountain **Result(ppb):** <1.00
Client No.: 56CHSNWC * Sample acidified to pH <2.

Lab No.: 7344194 **Location:** N Cafe R Fountain **Result(ppb):** <1.00
Client No.: 57CHSNWC * Sample acidified to pH <2.

Lab No.: 7344195 **Location:** N Cafe Hot Direct Conn Drink **Result(ppb):** 1.20
Client No.: 58CHSNFP * Sample acidified to pH <2.

Lab No.: 7344196 **Location:** B111 Sink **Result(ppb):** 1.50
Client No.: 59CHSNWD * Sample acidified to pH <2.

Lab No.: 7344197 **Location:** Main Office N Work Room Sink **Result(ppb):** 1.10
Client No.: 61CHSNWD * Sample acidified to pH <2.

Lab No.: 7344198 **Location:** A100 In Music Room Bottle Filler **Result(ppb):** <1.00
Client No.: 64CHSNWC * Sample acidified to pH <2.

Lab No.: 7344199 **Location:** A100 In Music Room - Sink **Result(ppb):** <1.00
Client No.: 65CHSNWD * Sample acidified to pH <2.

Lab No.: 7344200 **Location:** **Result(ppb):** <1.00
Client No.: Blank * Sample acidified to pH <2.

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Appendix to Analytical Report:

Customer Contact: Cathy Ledden
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: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
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.

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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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.