

CERTIFICATE OF ANALYSIS

Client: Coastal Environmental
721 Flittertown Rd
Hammonton NJ 08037

Report Date: 1/20/2022
Report No.: 650676 - Lead Water
Project: Pb BOE Requirement; Cherokee HS South
Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7344119 **Location:** C111 Cust Break Rm POE **Result(ppb):** <1.00
Client No.: 1CHSSPOE * Sample acidified to pH <2.

Lab No.: 7344120 **Location:** CC117 Kitchen Break Rm Sink **Result(ppb):** 30.9
Client No.: 3CHSSDW * Sample acidified to pH <2.

Lab No.: 7344121 **Location:** CC120 Kitchen Sink **Result(ppb):** <1.00
Client No.: 5CHSSKC * Sample acidified to pH <2.

Lab No.: 7344122 **Location:** CC120 Kitchen Sink **Result(ppb):** 12.7
Client No.: 6CHSSKC * Sample acidified to pH <2.

Lab No.: 7344123 **Location:** CC120 Kitchen Sink **Result(ppb):** 5.60
Client No.: 7CHSSKC * Sample acidified to pH <2.

Lab No.: 7344124 **Location:** CC120 Kitchen Sink - L **Result(ppb):** 1.10
Client No.: 8CHSSKC * Sample acidified to pH <2.

Lab No.: 7344125 **Location:** CC120 Kitchen Sink - R **Result(ppb):** <1.00
Client No.: 8ACHSSKC * Sample acidified to pH <2.

Lab No.: 7344126 **Location:** CC120 Kitchen Ice Machine **Result(ppb):** <1.00
Client No.: 9CHSSIM * Sample acidified to pH <2.

Lab No.: 7344127 **Location:** CC120 Kitchen Left Coffee Maker **Result(ppb):** 8.20
Client No.: 10CHSSFP * Sample acidified to pH <2.

Lab No.: 7344128 **Location:** CC120 Kitchen Right Coffee Maker **Result(ppb):** 1.50
Client No.: 11CHSSFP * 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: 01/20/2022
Signature:
Analyst: Mark Stewart

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7344129 **Location:** Kitchen Steam Oven **Result(ppb):** 45.2
Client No.: 14CHSSFP * 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.: 7344130 **Location:** CC100 S Cafe L - Fountain **Result(ppb):** <1.00
Client No.: 15CHSSWC * Sample acidified to pH <2.

Lab No.: 7344131 **Location:** Cafe 100 S Cafe Hot Bev Maker **Result(ppb):** <1.00
Client No.: 17CHSSDW * Sample acidified to pH <2.

Lab No.: 7344132 **Location:** Hall DD107 A-B Bottle Filler **Result(ppb):** <1.00
Client No.: 19CHSSWC * Sample acidified to pH <2.

Lab No.: 7344133 **Location:** DD109 Sink In Room DD108 **Result(ppb):** 7.60
Client No.: 20CHSSDW * Sample acidified to pH <2.

Lab No.: 7344134 **Location:** EE101 Sink **Result(ppb):** <1.00
Client No.: 21CHSSDW * Sample acidified to pH <2.


Lab No.: 7344135 **Location:** EE101 Sink **Result(ppb):** <1.00
Client No.: 22CHSSDW * Sample acidified to pH <2.


Lab No.: 7344136 **Location:** EE101 Sink **Result(ppb):** <1.00
Client No.: 23CHSSDW * Sample acidified to pH <2.

Lab No.: 7344137 **Location:** EE103 Sink **Result(ppb):** <1.00
Client No.: 24CHSSEC * Sample acidified to pH <2.

Lab No.: 7344138 **Location:** EE103 Sink **Result(ppb):** <1.00
Client No.: 25CHSSEC * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7344139 Location: EE103 Sink Result(ppb): <1.00
Client No.: 26CHSSEC * Sample acidified to pH <2.

Lab No.: 7344140 Location: EE103 Sink Result(ppb): <1.00
Client No.: 27CHSSEC * Sample acidified to pH <2.

Lab No.: 7344141 Location: EE103 Sink Result(ppb): <1.00
Client No.: 28CHSSEC * Sample acidified to pH <2.

Lab No.: 7344142 Location: EE103 Sink Result(ppb): <1.00
Client No.: 29CHSSEC * Sample acidified to pH <2.

Lab No.: 7344143 Location: EE105 Sink Result(ppb): 3.90
Client No.: 30CHSSDW * Sample acidified to pH <2.

Lab No.: 7344144 Location: EE106 Hall A-B R-Hall Bottle Filler Result(ppb): <1.00
Client No.: 32CHSSWC * Sample acidified to pH <2.


Lab No.: 7344145 Location: EE208 A-B R-Hall Fountain Result(ppb): <1.00
Client No.: 35CHSSWC * Sample acidified to pH <2.


Lab No.: 7344146 Location: DD105 Adaptive Phys Ed Sink Result(ppb): <1.00
Client No.: 36CHSSDW * Sample acidified to pH <2.

Lab No.: 7344147 Location: GG110 A-B L-Fountain Result(ppb): <1.00
Client No.: 37CHSSWC * Sample acidified to pH <2.

Lab No.: 7344148 Location: CC110 A-B R Bottle Filler Result(ppb): <1.00
Client No.: 38CHSSWC * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7344149 **Location:** GG208 A-B R-Bottle Filler **Result(ppb):** <1.00
Client No.: 40CHSSWC * Sample acidified to pH <2.

Lab No.: 7344150 **Location:** DD213 A-B R-Hall Fountain **Result(ppb):** <1.00
Client No.: 41CHSSWC * Sample acidified to pH <2.

Lab No.: 7344151 **Location:** CC103 Teacher Rm Sink **Result(ppb):** <1.00
Client No.: 46CHSSDW * Sample acidified to pH <2.

Lab No.: 7344152 **Location:** AA143 South Nurse Sink **Result(ppb):** <1.00
Client No.: 47CHSSNS * Sample acidified to pH <2.

Lab No.: 7344153 **Location:** AA143 South Nurse Sink **Result(ppb):** <1.00
Client No.: 48CHSSNS * Sample acidified to pH <2.

Lab No.: 7344154 **Location:** AA143 South Nurse Sink **Result(ppb):** <1.00
Client No.: 49CHSSNS * Sample acidified to pH <2.


Lab No.: 7344155 **Location:** AA143 South Nurse Ice Machine **Result(ppb):** <1.00
Client No.: 50CHSSIM * Sample acidified to pH <2.


Lab No.: 7344156 **Location:** AA142 A-B Right Bottle Filler **Result(ppb):** <1.00
Client No.: 52CHSSWC * Sample acidified to pH <2.

Lab No.: 7344157 **Location:** AA139 Media Work Rm Sink **Result(ppb):** <1.00
Client No.: 53CHSSDW * Sample acidified to pH <2.

Lab No.: 7344158 **Location:** Main Office Work Rm AA102 Sink **Result(ppb):** <1.00
Client No.: 54CHSSFP * Sample acidified to pH <2.

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Lab No.: 7344159 **Location:** AA129 Trainer's Rm Sink **Result(ppb):** <1.00
Client No.: 55CHSSDW * Sample acidified to pH <2.

Lab No.: 7344160 **Location:** AA129 Trainer's Rm Ice Machine **Result(ppb):** <1.00
Client No.: 56CHSSWC * Sample acidified to pH <2.

Lab No.: 7344161 **Location:** HH101 A-B Right Bottle Filler **Result(ppb):** <1.00
Client No.: 58CHSSWC * Sample acidified to pH <2.

Lab No.: 7344162 **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.

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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.