

CERTIFICATE OF ANALYSIS

Client: Coastal Environmental
721 Flittertown Rd
Hammonton NJ 08037

Report Date: 11/10/2021
Report No.: 647118 - Lead Water
Project: BOE Pb Requirement; Lenape HS
Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7313007 **Location:** Boiler Rm POE **Result(ppb):** 21.2
Client No.: 1-LHS-POE * Sample acidified to pH <2.

Lab No.: 7313008 **Location:** South Cafe Left-BF **Result(ppb):** 2.00
Client No.: 2-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313009 **Location:** South Cafe Right-BF **Result(ppb):** 1.10
Client No.: 3-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313010 **Location:** South Kitchen Steamer **Result(ppb):** <1.00
Client No.: 4-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313011 **Location:** South Kitchen Braising Pan **Result(ppb):** 56.0
Client No.: 5-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313012 **Location:** South Kitchen Sink **Result(ppb):** <1.00
Client No.: 6-LHS-KC * Sample acidified to pH <2.

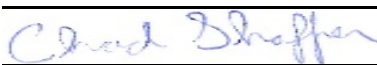
Lab No.: 7313013 **Location:** South Kitchen Sink **Result(ppb):** <1.00
Client No.: 7-LHS-KC * Sample acidified to pH <2.

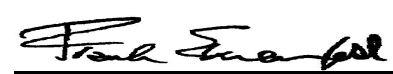
Lab No.: 7313014 **Location:** South Kitchen Left-Coffee Pot **Result(ppb):** <1.00
Client No.: 8-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313015 **Location:** South Kitchen Right-Coffee Pot **Result(ppb):** <1.00
Client No.: 9-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313016 **Location:** South Kitchen Ice Maker **Result(ppb):** <1.00
Client No.: 10-LHS-IM * Sample acidified to pH <2.

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

Date Received: 11/4/2021
Date Analyzed: 11/09/2021
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7313017 **Location:** South Kitchen Double Sink **Result(ppb):** <1.00
Client No.: 11-LHS-KC * Sample acidified to pH <2.

Lab No.: 7313018 **Location:** South Cafe Coffee Maker **Result(ppb):** <1.00
Client No.: 11.1-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313019 **Location:** B-106 Sink **Result(ppb):** <1.00
Client No.: 12-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313020 **Location:** Bank Hall Left BF **Result(ppb):** <1.00
Client No.: 13-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313021 **Location:** South Faculty Rm-Sink **Result(ppb):** <1.00
Client No.: 17-LHS-TL * Sample acidified to pH <2.

Lab No.: 7313022 **Location:** Hall A-112 BF **Result(ppb):** 1.00
Client No.: 18-LHS-WC * Sample acidified to pH <2.

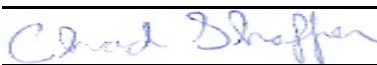
Lab No.: 7313023 **Location:** Hall A-205 BF **Result(ppb):** 1.60
Client No.: 20-LHS-DW * Sample acidified to pH <2.

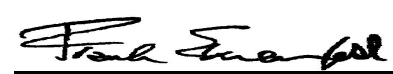
Lab No.: 7313024 **Location:** Hall E-105 BF **Result(ppb):** <1.00
Client No.: 23-LHS-DW * Sample acidified to pH <2.

Lab No.: 7313025 **Location:** Outside Trainers Rm Right-BF **Result(ppb):** <1.00
Client No.: 25-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313026 **Location:** Trainers Rm Wet Area-Ice Maker **Result(ppb):** <1.00
Client No.: 27-LHS-IM * Sample acidified to pH <2.

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Lab No.: 7313027 **Location:** Trainers Rm Ice Maker **Result(ppb):** <1.00
Client No.: 28-LHS-IM * Sample acidified to pH <2.

Lab No.: 7313028 **Location:** South Gym Boys Side-BF **Result(ppb):** <1.00
Client No.: 30-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313029 **Location:** South Gym Foyer Left A-BF **Result(ppb):** <1.00
Client No.: 31-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313030 **Location:** South Gym Foyer Right A-BF **Result(ppb):** <1.00
Client No.: 33-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313031 **Location:** Hall B-102 BF **Result(ppb):** <1.00
Client No.: 35-LHS-DW * Sample acidified to pH <2.

Lab No.: 7313032 **Location:** D-103 Cooking Rm-Sink **Result(ppb):** <1.00
Client No.: 36-LHS-EC * Sample acidified to pH <2.


Lab No.: 7313033 **Location:** D-103 Cooking Rm-Sink **Result(ppb):** <1.00
Client No.: 37-LHS-EC * Sample acidified to pH <2.


Lab No.: 7313034 **Location:** D-103 Cooking Rm-Sink **Result(ppb):** <1.00
Client No.: 38-LHS-EC * Sample acidified to pH <2.

Lab No.: 7313035 **Location:** D-103 Cooking Rm-Sink **Result(ppb):** <1.00
Client No.: 39-LHS-EC * Sample acidified to pH <2.

Lab No.: 7313036 **Location:** D-103 Cooking Rm-Sink **Result(ppb):** <1.00
Client No.: 40-LHS-EC * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7313037 Location: D-103 Cooking Rm-Sink Result(ppb): <1.00
Client No.: 41-LHS-EC * Sample acidified to pH <2.

Lab No.: 7313038 Location: D-105 Cooking Rm-Sink Result(ppb): <1.00
Client No.: 42-LHS-EC * Sample acidified to pH <2.

Lab No.: 7313039 Location: D-100 Sink Left Result(ppb): <1.00
Client No.: 43-LHS-DW * Sample acidified to pH <2.

Lab No.: 7313040 Location: D-100 Sink Middle Result(ppb): <1.00
Client No.: 44-LHS-DW * Sample acidified to pH <2.

Lab No.: 7313041 Location: D-100 Sink Right Result(ppb): 1.20
Client No.: 45-LHS-DW * Sample acidified to pH <2.

Lab No.: 7313042 Location: Hall D-100 BF Result(ppb): 6.50
Client No.: 46-LHS-DW * Sample acidified to pH <2.


Lab No.: 7313043 Location: D-104 Sink Left Result(ppb): <1.00
Client No.: 47-LHS-DW * Sample acidified to pH <2.


Lab No.: 7313044 Location: D-104 Sink Middle Result(ppb): <1.00
Client No.: 48-LHS-DW * Sample acidified to pH <2.

Lab No.: 7313045 Location: D-104 Sink Right Result(ppb): <1.00
Client No.: 49-LHS-DW * Sample acidified to pH <2.

Lab No.: 7313046 Location: D-106 Sink Left Result(ppb): <1.00
Client No.: 50-LHS-DW * Sample acidified to pH <2.

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Lab No.: 7313047 Location: D-106 Sink Middle Result(ppb): <1.00
Client No.: 51-LHS-DW * Sample acidified to pH <2.

Lab No.: 7313048 Location: D-106 Sink Right Result(ppb): <1.00
Client No.: 52-LHS-DW * Sample acidified to pH <2.

Lab No.: 7313049 Location: Hall Near Media Ctr Left-BF Result(ppb): <1.00
Client No.: 53-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313050 Location: Media Ctr Office-Sink Result(ppb): <1.00
Client No.: 56-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313051 Location: Hall LDTV Right BF Result(ppb): <1.00
Client No.: 59-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313052 Location: Hall ND-26 Ctr-Fountain Result(ppb): <1.00
Client No.: 63-LHS-DW * Sample acidified to pH <2.

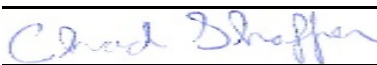
Lab No.: 7313053 Location: NC9 Faculty Rm-Sink Result(ppb): 1.20
Client No.: 65-LHS-TL * Sample acidified to pH <2.

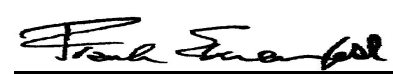
Lab No.: 7313054 Location: Hall NB Right-BF Result(ppb): <1.00
Client No.: 67-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313055 Location: NA-14 Slop Sink Result(ppb): <1.00
Client No.: 70-LHS-EC * Sample acidified to pH <2.

Lab No.: 7313056 Location: NA-14 Sink Result(ppb): <1.00
Client No.: 71-LHS-EC * Sample acidified to pH <2.

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Lab No.: 7313057 Location: NA-14 Sink Result(ppb): 4.70
Client No.: 72-LHS-EC * Sample acidified to pH <2.

Lab No.: 7313058 Location: NA-14 Sink Result(ppb): <1.00
Client No.: 73-LHS-EC * Sample acidified to pH <2.

Lab No.: 7313059 Location: NA-14 Sink Result(ppb): <1.00
Client No.: 74-LHS-EC * Sample acidified to pH <2.

Lab No.: 7313060 Location: Hall NA/NB Intsect-BF Result(ppb): <1.00
Client No.: 76-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313061 Location: Hall Across Sch. Store-BF Result(ppb): <1.00
Client No.: 80-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313062 Location: N Cafe By Boys Rm Left-BF Result(ppb): <1.00
Client No.: 82-LHS-WC * Sample acidified to pH <2.

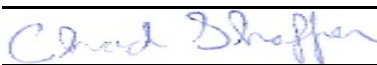
Lab No.: 7313063 Location: North Cafe Snack Shack-Sink Result(ppb): 15.2
Client No.: 84-LHS-FP * Sample acidified to pH <2.

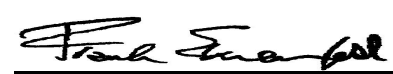
Lab No.: 7313064 Location: North Cafe Girls Rm Left-BF Result(ppb): <1.00
Client No.: 85-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313065 Location: Hall Near Dressing Rm Left-BF Result(ppb): <1.00
Client No.: 87-LHS-WC * Sample acidified to pH <2.

Lab No.: 7313066 Location: North Faculty Rm-Sink Result(ppb): <1.00
Client No.: 89-LHS-TL * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7313067
Client No.: 91-LHS-LC

Location: North Kitchen Right-Sink
* Sample acidified to pH <2.

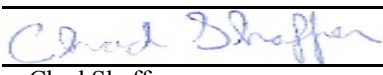
Result(ppb): <1.00


Lab No.: 7313068
Client No.: 92-LHS-KC

Location: North Kitchen Left-Sink
* Sample acidified to pH <2.

Result(ppb): <1.00

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7313069 **Location:** North Kitchen Double Sink **Result(ppb):** <1.00
Client No.: 93-LHS-KC * Sample acidified to pH <2.

Lab No.: 7313070 **Location:** North Kitchen Right-Coffee Pot **Result(ppb):** <1.00
Client No.: 94-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313071 **Location:** North Kitchen Left-Coffee Pot **Result(ppb):** <1.00
Client No.: 95-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313072 **Location:** North Kitchen Steamer **Result(ppb):** <1.00
Client No.: 96-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313073 **Location:** North Kitchen Braising Pan **Result(ppb):** 38.6
Client No.: 97-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313074 **Location:** North Kitchen Ice Maker **Result(ppb):** <1.00
Client No.: 98-LHS-IM * Sample acidified to pH <2.

Lab No.: 7313075 **Location:** Nurse's Office Sinks **Result(ppb):** 3.00
Client No.: 99-LHS-NS * Sample acidified to pH <2.

Lab No.: 7313076 **Location:** Nurse's Office Sinks **Result(ppb):** <1.00
Client No.: 100-LHS-NS * Sample acidified to pH <2.

Lab No.: 7313077 **Location:** Nurse's Office Sinks **Result(ppb):** 3.80
Client No.: 101-LHS-NS * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7313078 **Location:** Nurse's Office Sinks **Result(ppb):** 1.60
Client No.: 102-LHS-NS * Sample acidified to pH <2.
Turbidity >1 NTU
Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.

Lab No.: 7313079 **Location:** Nurse's Office Sinks **Result(ppb):** 5.10
Client No.: 103-LHS-NS * Sample acidified to pH <2.
Turbidity >1 NTU
Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.

Lab No.: 7313080 **Location:** Nurse's Office Sinks **Result(ppb):** 3.10
Client No.: 104-LHS-NS * Sample acidified to pH <2.
Turbidity >1 NTU
Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.

Lab No.: 7313081 **Location:** Nurse's Office Ice Maker **Result(ppb):** <1.00
Client No.: 105-LHS-IM * Sample acidified to pH <2.

Lab No.: 7313082 **Location:** Main Off Counselor Side-Sink **Result(ppb):** <1.00
Client No.: 106-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313083 **Location:** Main Office Kitchen-Sink **Result(ppb):** <1.00
Client No.: 107-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313084 **Location:** Main Office Admin Side-Sink **Result(ppb):** <1.00
Client No.: 108-LHS-FP * Sample acidified to pH <2.

Lab No.: 7313085 **Location:** Maintenance Garage-Sink **Result(ppb):** <1.00
Client No.: 109-LHS-FP * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7313086
Client No.: 110-LHS-FP

Location: Home Concession-Sink
* Sample acidified to pH <2.


Result(ppb): <1.00


Lab No.: 7313087
Client No.: BLANK

Location: Blank
* Sample acidified to pH <2.

Result(ppb): <1.00

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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.