

CERTIFICATE OF ANALYSIS

Client: Garden State Environmental, Inc.
555 S Broad St. Ste. K
Glen Rock NJ 07452

Client: GAR373

Report Date: 5/27/2022
Report No.: 661783 - Lead Water
Project: Cedar Grove (HS)
Project No.: 8486

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7433554 Client No.: CGHS-1-S-01A	Location: 1st Kitchen Clock * Sample acidified to pH <2.	Result(ppb): 1.30
Lab No.: 7433555 Client No.: CGHS-1-CM-01A	Location: Kitchen Coffee Maker * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433556 Client No.: CGHS-1-S-02A	Location: Snack Room Kitchen Pot Sink * Sample acidified to pH <2.	Result(ppb): 6.30
Lab No.: 7433557 Client No.: CGHS-1-S-03A	Location: Kitchen Double Left * Sample acidified to pH <2.	Result(ppb): 3.40
Lab No.: 7433558 Client No.: CGHS-1-S-04A	Location: Kitchen Double Right * Sample acidified to pH <2.	Result(ppb): 1.10
Lab No.: 7433559 Client No.: CGHS-1-B-01A	Location: Cafeteria * Sample acidified to pH <2.	Result(ppb): 1.20
Lab No.: 7433560 Client No.: CGHS-1-S-05A	Location: Main Office Back Break Room * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433561 Client No.: CGHS-1-WC-01A	Location: Hall Across B105 Right * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433562 Client No.: CGHS-1-BF-01A	Location: Hall Across B105 Left * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433563 Client No.: CGHS-1-WC-02A	Location: Hall Across B105 Left * 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: 5/25/2022
Date Analyzed: 05/27/2022
Signature:
Analyst: Mark Stewart

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7433564 Client No.: CGHS-1-B-02A	Location: Hall Across 110 Left * Sample acidified to pH <2.	Result(ppb): 1.80
Lab No.: 7433565 Client No.: CGHS-1-B-03A	Location: Hall Across 110 Right * Sample acidified to pH <2.	Result(ppb): 1.30
Lab No.: 7433566 Client No.: CGHS-1-B-04A	Location: Across A113 Right * Sample acidified to pH <2.	Result(ppb): 3.60
Lab No.: 7433567 Client No.: CGHS-1-B-05A	Location: Across A113 Left * Sample acidified to pH <2.	Result(ppb): 5.10
Lab No.: 7433568 Client No.: CGHS-1-B-06A	Location: A118 Hall Left * Sample acidified to pH <2.	Result(ppb): 6.00
Lab No.: 7433569 Client No.: CGHS-1-B-07A	Location: A118 Hall Right * Sample acidified to pH <2.	Result(ppb): 9.00
Lab No.: 7433570 Client No.: CGHS-2-B-08A	Location: Men's Locker Room * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433571 Client No.: CGHS-2-B-09A	Location: Aux Gym Fountain * Sample acidified to pH <2.	Result(ppb): 3.20
Lab No.: 7433572 Client No.: CGHS-2-B-10A	Location: Girl's Locker Room * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433573 Client No.: CGHS-2-S-06A	Location: Trainer's Room * Sample acidified to pH <2.	Result(ppb): 1.30

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Lab No.: 7433574 Location: Trainer's Room Ice Maker Result(ppb): <1.00
Client No.: CGHS-2-IM-01A * Sample acidified to pH <2.

Lab No.: 7433575 Location: Trainer's Room Hallway Result(ppb): 2.70
Client No.: CGHS-2-B-11A * Sample acidified to pH <2.

Lab No.: 7433576 Location: Weight Room Left Result(ppb): <1.00
Client No.: CGHS-2-WC-03A * Sample acidified to pH <2.

Lab No.: 7433577 Location: Weight Room Left Result(ppb): <1.00
Client No.: CGHS-2-BF-02A * Sample acidified to pH <2.

Lab No.: 7433578 Location: Weight Room Right Result(ppb): <1.00
Client No.: CGHS-2-WC-04A * Sample acidified to pH <2.

Lab No.: 7433579 Location: Weight Room Right Result(ppb): 1.00
Client No.: CGHS-2-BF-03A * Sample acidified to pH <2.


Lab No.: 7433580 Location: Nurse Result(ppb): 75.0
Client No.: CGHS-2-S-07A * 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.: 7433581 Location: AD Office Hall Result(ppb): 5.10
Client No.: CGHS-2-B-13A * Sample acidified to pH <2.

Lab No.: 7433582 Location: Hallway E221 Right Result(ppb): 1.00
Client No.: CGHS-2-B-14A * Sample acidified to pH <2.

Lab No.: 7433583 Location: Room 225 Left Result(ppb): 1.00
Client No.: CGHS-2-S-08A * Sample acidified to pH <2.

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Lab No.: 7433584 Location: Room 225 Right Result(ppb): 11.2
Client No.: CGHS-2-S-09A * Sample acidified to pH <2.

Lab No.: 7433585 Location: Room 224 Result(ppb): 30.9
Client No.: CGHS-2-S-10A * Sample acidified to pH <2.

Lab No.: 7433586 Location: Science/Math Result(ppb): 38.0
Client No.: CGHS-2-S-11A * Sample acidified to pH <2.

Lab No.: 7433587 Location: IT Office Result(ppb): <1.00
Client No.: CGHS-2-S-12A * Sample acidified to pH <2.

Lab No.: 7433588 Location: Media Center Office Result(ppb): 1.90
Client No.: CGHS-2-S-13A * Sample acidified to pH <2.

Lab No.: 7433589 Location: Outside Football Office Result(ppb): <1.00
Client No.: CGHS-2-WC-05A * Sample acidified to pH <2.


Lab No.: 7433590 Location: Outside Football Office Result(ppb): <1.00
Client No.: CGHS-2-BF-04A * Sample acidified to pH <2.


Lab No.: 7433591 Location: Hall Across 203 Right Result(ppb): <1.00
Client No.: CGHS-2-WC-06A * Sample acidified to pH <2.

Lab No.: 7433592 Location: Hall Across 203 Right Result(ppb): <1.00
Client No.: CGHS-2-BF-05A * Sample acidified to pH <2.

Lab No.: 7433593 Location: Hall Across 203 Left Result(ppb): <1.00
Client No.: CGHS-2-WC-07A * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7433594 Client No.: CGHS-CS-S-14A	Location: Back Kitchen 3 Comp Right * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433595 Client No.: CGHS-CS-SP-01A	Location: Back Kitchen 3 Comp Right * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433596 Client No.: CGHS-CS-S-15A	Location: Back Kitchen 3 Comp Left * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433597 Client No.: CGHS-CS-IM-02A	Location: Back Concession Stand * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433598 Client No.: CGHS-CS-HCM-01A	Location: Front Concession Stand * Sample acidified to pH <2.	Result(ppb): 2.30
Lab No.: 7433599 Client No.: CGHS-CS-CM-02A	Location: Front Concession Stand * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433600 Client No.: CGHS-CS-B-15A	Location: Outside Concession Stand Left * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433601 Client No.: CGHS-CS-B-16A	Location: Outside Concession Stand Right * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433602 Client No.: CGHS-5-15-FBA	Location: Field Blank * Sample acidified to pH <2.	Result(ppb): Sample Not Received

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Appendix to Analytical Report:

Customer Contact: Send ALL Lab Reports
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: 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.

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.