

CERTIFICATE OF ANALYSIS

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

Report Date: 4/13/2022  
Report No.: 658101 - Lead Water Rev #2, 4/14/2022  
Project: High School; Marion PT  
Project No.: 8076

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7403831 Client No.: MHS-1-S-14A	Location: Nurse * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7403832 Client No.: MHS-1-S-13A	Location: Staff Lounge * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7403833 Client No.: MHS-1-WC-03A	Location: 1st Floor Hall L * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7403834 Client No.: MHS-1-WC-04A	Location: 1st Floor Hall R * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7403835 Client No.: MHS-1-WC-01A	Location: Dining Hall L * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7403836 Client No.: MHS-1-WC-02A	Location: Dining Hall R * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7403837 Client No.: MHS-1-S-05A	Location: Culinary Lab * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7403838 Client No.: MHS-1-H-01A ! Bottle received empty	Location: Culinary Lab * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7403839 Client No.: MHS-1-S-04A	Location: Culinary Lab/Oven * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7403840 Client No.: MHS-1-S-01A	Location: Baking Lab * 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: 4/11/2022  
Date Analyzed: 04/13/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

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Lab No.: 7403841                      Location: Baking Lab 2R                      Result(ppb): <1.00  
Client No.: MHS-1-S-02A                      \* Sample acidified to pH <2.

Lab No.: 7403842                      Location: Baking Lab 2L                      Result(ppb): <1.00  
Client No.: MHS-1-S-03A                      \* Sample acidified to pH <2.

Lab No.: 7403843                      Location: Cold Room 3 Comp L                      Result(ppb): <1.00  
Client No.: MHS-1-S-08A                      \* Sample acidified to pH <2.

Lab No.: 7403844                      Location: Cold Room 3 Comp R                      Result(ppb): <1.00  
Client No.: MHS-1-S-09A                      \* Sample acidified to pH <2.

Lab No.: 7403845                      Location: Cold Room 1 Comp                      Result(ppb): <1.00  
Client No.: MHS-1-S-06A                      \* Sample acidified to pH <2.

Lab No.: 7403846                      Location: Cold Room 1 Comp                      Result(ppb): <1.00  
Client No.: MHS-1-H-02A                      \* Sample acidified to pH <2.

Lab No.: 7403847                      Location: Cold Room 2 Comp                      Result(ppb): <1.00  
Client No.: MHS-1-S-07A                      \* Sample acidified to pH <2.

Lab No.: 7403848                      Location: Cold Room 2 Comp                      Result(ppb): 1.00  
Client No.: MHS-1-H-03A                      \* Sample acidified to pH <2.

Lab No.: 7403849                      Location: Kitchen Comp 2                      Result(ppb): <1.00  
Client No.: MHS-1-S-10A                      \* Sample acidified to pH <2.

Lab No.: 7403850                      Location: Kitchen Comp 2                      Result(ppb): <1.00  
Client No.: MHS-1-H-04A                      \* Sample acidified to pH <2.

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Lab No.: 7403851                      Location: Kitchen Comp 3 L                      Result(ppb): <1.00  
Client No.: MHS-1-S-11A                      \* Sample acidified to pH <2.

Lab No.: 7403852                      Location: Kitchen Comp 3 L                      Result(ppb): <1.00  
Client No.: MHS-1-H-05A                      \* Sample acidified to pH <2.

Lab No.: 7403853                      Location: Kitchen Comp 3 R                      Result(ppb): <1.00  
Client No.: MHS-1-S-12A                      \* Sample acidified to pH <2.

Lab No.: 7403854                      Location: School Kitchen                      Result(ppb): <1.00  
Client No.: MHS-1-S-16A                      \* Sample acidified to pH <2.

Lab No.: 7403855                      Location: School Kitchen                      Result(ppb): <1.00  
Client No.: MHS-1-H-06A                      \* Sample acidified to pH <2.

Lab No.: 7403856                      Location: 2nd Floor Hall R                      Result(ppb): <1.00  
Client No.: MHS-2-WC-05A                      \* Sample acidified to pH <2.

Lab No.: 7403857                      Location: 2nd Floor Hall L                      Result(ppb): <1.00  
Client No.: MHS-2-WC-06A                      \* Sample acidified to pH <2.

Lab No.: 7403858                      Location: Hall By 204 R                      Result(ppb): <1.00  
Client No.: MHS-2-WC-07A                      \* Sample acidified to pH <2.

Lab No.: 7403859                      Location: Hall By 204 L                      Result(ppb): <1.00  
Client No.: MHS-2-WC-08A                      \* Sample acidified to pH <2.

Lab No.: 7403860                      Location: Hall By 306 R                      Result(ppb): <1.00  
Client No.: MHS-3-WC-09A                      \* Sample acidified to pH <2.

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Lab No.: 7403861      Location: Hall By 306 L      Result(ppb): <1.00  
Client No.: MHS-3-WC-10A      \* Sample acidified to pH <2.

Lab No.: 7403862      Location: Hall By 304 R      Result(ppb): <1.00  
Client No.: MHS-3-WC-11A      \* Sample acidified to pH <2.

Lab No.: 7403863      Location: Hall By 304 L      Result(ppb): <1.00  
Client No.: MHS-3-WC-12A      \* Sample acidified to pH <2.

Lab No.: 7403864      Location: Hall By 406 R      Result(ppb): <1.00  
Client No.: MHS-4-WC-13A      \* Sample acidified to pH <2.

Lab No.: 7403865      Location: Hall By 406 L      Result(ppb): <1.00  
Client No.: MHS-4-WC-14A      \* Sample acidified to pH <2.

Lab No.: 7403866      Location: Hall By 404 R      Result(ppb): <1.00  
Client No.: MHS-4-WC-15A      \* Sample acidified to pH <2.


Lab No.: 7403867      Location: Hall By 404 L      Result(ppb): <1.00  
Client No.: MHS-4-WC-16A      \* Sample acidified to pH <2.


Lab No.: 7403868      Location: Hospitality S      Result(ppb): <1.00  
Client No.: MHS-4-S-1A      \* Sample acidified to pH <2.

Lab No.: 7403869      Location:      Result(ppb): <1.00  
Client No.: MHS-3-27-FBA      \* Sample acidified to pH <2.

Lab No.: 7403870      Location: Kitchen      Result(ppb): <1.00  
Client No.: MHS-1-IM-01      \* Sample acidified to pH <2.

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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](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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**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.