

CERTIFICATE OF ANALYSIS

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

Report Date: 6/7/2022
Report No.: 662256 - Lead Water
Project: Rahway High School - Rahway
Project No.: 8458

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7437819 **Location:** Cafe **Result(ppb):** <1.00
Client No.: RHS-1-WC-01A * Sample acidified to pH <2.

Lab No.: 7437820 **Location:** Cafe **Result(ppb):** <1.00
Client No.: RHS-1-BF-01A * Sample acidified to pH <2.

Lab No.: 7437821 **Location:** Kitchen Island **Result(ppb):** <1.00
Client No.: RHS-1-S1-A * Sample acidified to pH <2.

Lab No.: 7437822 **Location:** Kitchen Sink Opposite Of 1 RT **Result(ppb):** 6.10
Client No.: RHS-1-S2-A * Sample acidified to pH <2.

Lab No.: 7437823 **Location:** Kitchen Sink Next 2 Left **Result(ppb):** 1.40
Client No.: RHS-1-S3-A * Sample acidified to pH <2.

Lab No.: 7437824 **Location:** Kitchen Sink Across From Oven **Result(ppb):** 1.20
Client No.: RHS-1-S5-A * Sample acidified to pH <2.


Lab No.: 7437825 **Location:** Kitchen Pot Filler **Result(ppb):** 1.40
Client No.: RHS-1-PF-01A * Sample acidified to pH <2.

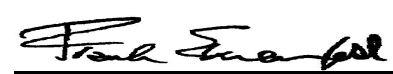
Lab No.: 7437826 **Location:** Kitchen Sink By Exit **Result(ppb):** 1.10
Client No.: RHS-1-S4-A * Sample acidified to pH <2.

Lab No.: 7437827 **Location:** Water Fountain Near Girls Rm **Result(ppb):** <1.00
Client No.: RHS-1-F4-A * Sample acidified to pH <2.

Lab No.: 7437828 **Location:** Trainers Rm Ice Machine **Result(ppb):** <1.00
Client No.: RHS-1-ICE-1 * Sample acidified to pH <2.

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

Date Received: 6/2/2022
Date Analyzed: 06/07/2022
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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Lab No.: 7437829 Location: Trainers Sink Result(ppb): <1.00
Client No.: RHS-1-S11-A * Sample acidified to pH <2.

Lab No.: 7437830 Location: Nurse's Sink Result(ppb): <1.00
Client No.: RHS-1-S10-A * Sample acidified to pH <2.

Lab No.: 7437831 Location: FAC Rm 1st Floor Result(ppb): <1.00
Client No.: RHS-1-F2-A * Sample acidified to pH <2.

Lab No.: 7437832 Location: Dance Studio RT Result(ppb): <1.00
Client No.: RHS-1-F8-A * Sample acidified to pH <2.

Lab No.: 7437833 Location: Dance Studio LT Result(ppb): <1.00
Client No.: RHS-1-F8A-A * Sample acidified to pH <2.

Lab No.: 7437834 Location: Chorus (Left) Result(ppb): <1.00
Client No.: RHS-1-F10-A * Sample acidified to pH <2.


Lab No.: 7437835 Location: Chorus (Right) Result(ppb): <1.00
Client No.: RHS-1-F10A-A * Sample acidified to pH <2.


Lab No.: 7437836 Location: Band (Left) Result(ppb): <1.00
Client No.: RHS-1-F9-A * Sample acidified to pH <2.

Lab No.: 7437837 Location: Band (Right) Result(ppb): <1.00
Client No.: RHS-1-F9A-A * Sample acidified to pH <2.

Lab No.: 7437838 Location: PE Hall Result(ppb): <1.00
Client No.: RHS-1-F3-A * Sample acidified to pH <2.

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Lab No.: 7437839 Client No.: RHS-1-F6-A	Location: Across From Rm 108 * Sample acidified to pH <2.	Result(ppb): 8.00
Lab No.: 7437840 Client No.: RHS-1-F20-A	Location: Aud Concession RT * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7437841 Client No.: RHS-1-F7-A	Location: Aud Concession LT * Sample acidified to pH <2.	Result(ppb): 2.40
Lab No.: 7437842 Client No.: RHS-1-S30-A	Location: Rm 109 * Sample acidified to pH <2.	Result(ppb): 4.90
Lab No.: 7437843 Client No.: RHS-1-S28-A	Location: Rm 104, Station 4 Back * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7437844 Client No.: RHS-1-S27-A	Location: Rm 104, Station 2 Back * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7437845 Client No.: RHS-1-S29-A	Location: Rm 104 Front Wall * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7437846 Client No.: RHS-1-S26-A	Location: Rm 104, Station 1 Rear * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7437847 Client No.: RHS-1-S25-A	Location: Sink Close To Door Rm 104 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7437848 Client No.: RHS-1-S24-A	Location: Sink In RT Corner Rm 104 Rear * Sample acidified to pH <2.	Result(ppb): <1.00

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Lab No.: 7437849 Location: Rm 102 LT Of Dish Washer Result(ppb): 1.40
Client No.: RHS-1-S18-A * Sample acidified to pH <2.

Lab No.: 7437850 Location: Rm 102 RT Of Oven Result(ppb): 4.90
Client No.: RHS-1-S19-A * Sample acidified to pH <2.

Lab No.: 7437851 Location: Rm 102 LT Of Oven By Exit Result(ppb): 1.10
Client No.: RHS-1-S23-A * Sample acidified to pH <2.

Lab No.: 7437852 Location: Rm 102 Farthest From Exit Result(ppb): 1.80
Client No.: RHS-1-S21-A * Sample acidified to pH <2.

Lab No.: 7437853 Location: Rm 102 Opposite Of S21 Result(ppb): 3.80
Client No.: RHS-1-S22-A * Sample acidified to pH <2.

Lab No.: 7437854 Location: Rm 102, Rear Wall Left Of Microwave Result(ppb): 5.20
Client No.: RHS-1-S20-A * Sample acidified to pH <2.


Lab No.: 7437855 Location: Water Fountain Near Girls Locker Rm Result(ppb): 1.80
Client No.: RHS-1-F5-A * Sample acidified to pH <2.

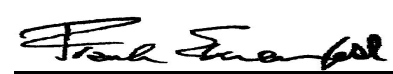
Lab No.: 7437856 Location: Nurse's Sink Hose Result(ppb): 4.60
Client No.: RHS-1-H-01A * Sample acidified to pH <2.

Lab No.: 7437857 Location: Near Rms 200/208 Result(ppb): 1.40
Client No.: RHS-2-F13-A * Sample acidified to pH <2.

Lab No.: 7437858 Location: Water Fountain By Balcony Result(ppb): 2.40
Client No.: RHS-2-F12-A * Sample acidified to pH <2.

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Lab No.: 7437859 Location: Water Fountain By Boys Rm Result(ppb): 3.50
Client No.: RHS-3-F16-A * Sample acidified to pH <2.

Lab No.: 7437860 Location: By Rm 317 Result(ppb): 1.20
Client No.: RHS-3-F17-A * Sample acidified to pH <2.


Lab No.: 7437861 Location: By Rm 317 Result(ppb): 1.40
Client No.: RHS-3-BF-02A * Sample acidified to pH <2.


Lab No.: 7437862 Location: Rm Next To Rm 328 Result(ppb): 2.60
Client No.: RHS-3-F14-A * Sample acidified to pH <2.

Lab No.: 7437863 Location: By Rm 308 Result(ppb): 18.2
Client No.: RHS-3-F15-A * Sample acidified to pH <2.

Lab No.: 7437864 Location: Field Blank Result(ppb): <1.00
Client No.: RHS-5-28-FBA * 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 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.