

CERTIFICATE OF ANALYSIS

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

Report Date: 6/8/2022  
Report No.: 662246 - Lead Water  
Project: 7th & 8th Grade Academy - Rahway  
Project No.: 8458

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7437687                      Location: Kit 2 Comp                      Result(ppb): <1.00  
Client No.: ACAD-1-S66A              \* Sample acidified to pH <2.

Lab No.: 7437688                      Location: Kit 3 Comp Left                  Result(ppb): <1.00  
Client No.: ACAD-1-S63A              \* Sample acidified to pH <2.

Lab No.: 7437689                      Location: Kit 3 Comp Right                 Result(ppb): <1.00  
Client No.: ACAD-1-S62A              \* Sample acidified to pH <2.

Lab No.: 7437690                      Location: Kit 3 Comp Right                 Result(ppb): <1.00  
Client No.: ACAD-1-H01A              \* Sample acidified to pH <2.

Lab No.: 7437691                      Location: Kitchen Pot Filler                Result(ppb): 1.80  
Client No.: ACAD-1-PF01A              \* Sample acidified to pH <2.

Lab No.: 7437692                      Location: Kit Across From Stove            Result(ppb): 1.00  
Client No.: ACAD-1-S61A              \* Sample acidified to pH <2.


Lab No.: 7437693                      Location: Kit Sink Middle                  Result(ppb): <1.00  
Client No.: ACAD-1-S60A              \* Sample acidified to pH <2.

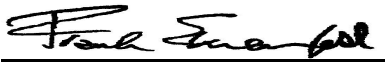
Lab No.: 7437694                      Location: Ice Maker                         Result(ppb): <1.00  
Client No.: ACAD-1-I1                 \* Sample acidified to pH <2.

Lab No.: 7437695                      Location: Kit Sink Hall Entrance            Result(ppb): 3.90  
Client No.: ACAD-1-S59A              \* Sample acidified to pH <2.

Lab No.: 7437696                      Location: WF Near Main Entrance            Result(ppb): 5.10  
Client No.: ACAD-1-F12A              \* 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: 06/08/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

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Lab No.: 7437697                      Location: Faculty Room                      Result(ppb): 2.90  
Client No.: ACAD-1-F11A              \* Sample acidified to pH <2.

Lab No.: 7437698                      Location: Cafe                                  Result(ppb): <1.00  
Client No.: ACAD-1-F10A              \* Sample acidified to pH <2.

Lab No.: 7437699                      Location: Cafe                                  Result(ppb): <1.00  
Client No.: ACAD-1-BF-1A            \* Sample acidified to pH <2.

Lab No.: 7437700                      Location: Exam Room                      Result(ppb): 1.00  
Client No.: ACAD-1-S47A              \* Sample acidified to pH <2.

Lab No.: 7437701                      Location: Nurse Across Bed              Result(ppb): 1.00  
Client No.: ACAD-1-S49A              \* Sample acidified to pH <2.

Lab No.: 7437702                      Location: Nurse Bed                         Result(ppb): <1.00  
Client No.: ACAD-1-S48A              \* Sample acidified to pH <2.

Lab No.: 7437703                      Location: Room 109                         Result(ppb): <1.00  
Client No.: ACAD-1-F109A            \* Sample acidified to pH <2.

Lab No.: 7437704                      Location: Room 108                         Result(ppb): <1.00  
Client No.: ACAD-1-F108A            \* Sample acidified to pH <2.

Lab No.: 7437705                      Location: Room 111                         Result(ppb): <1.00  
Client No.: ACAD-1-F111A            \* Sample acidified to pH <2.

Lab No.: 7437706                      Location: Room 110                         Result(ppb): <1.00  
Client No.: ACAD-1-F110A            \* Sample acidified to pH <2.

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Lab No.: 7437707                      Location: Door 8                      Result(ppb): <1.00  
Client No.: ACAD-1-WC-01A        \* Sample acidified to pH <2.

Lab No.: 7437708                      Location: Door 8                      Result(ppb): <1.00  
Client No.: ACAD-1-BF-02A        \* Sample acidified to pH <2.

Lab No.: 7437709                      Location: Music Hall                  Result(ppb): 1.90  
Client No.: ACAD-1-F9A            \* Sample acidified to pH <2.

Lab No.: 7437710                      Location: Copy Room                  Result(ppb): 1.20  
Client No.: ACAD-2-S32A        \* Sample acidified to pH <2.


Lab No.: 7437711                      Location: Elevator                      Result(ppb): <1.00  
Client No.: ACAD-2-F3A            \* Sample acidified to pH <2.

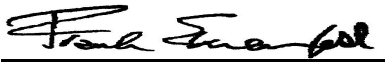
Lab No.: 7437712                      Location: Near 201/203                Result(ppb): <1.00  
Client No.: ACAD-2-F6A            \* Sample acidified to pH <2.

Lab No.: 7437713                      Location: Near 301                      Result(ppb): <1.00  
Client No.: ACAD-2-F2A            \* Sample acidified to pH <2.

Lab No.: 7437714                      Location: Field Blank                  Result(ppb): <1.00  
Client No.: ACAD-5-31-FBA        \* Sample acidified to pH <2.

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

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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.