



# BRANCBURG TOWNSHIP SCHOOL DISTRICT

“Excellence in Education”

240 Baird Road • Branchburg, New Jersey 08876-4200

Tel: (908) 722-3335 F: (908) 526-6144

**Dr. Elizabeth Nastus, Interim Superintendent**

February 25, 2022

Dear Branchburg Township School District Community,

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the Department of Education regulations, Branchburg Public Schools tested our schools’ drinking water for lead.

In accordance with the Department of Education regulations, Branchburg Central Middle School will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15.5 µg/l (parts per billion [ppb]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a “DO NOT DRINK – SAFE FOR HANDWASHING ONLY” sign will be posted.

### Results of our Testing

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within the District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 113 samples taken, all but 3 tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15.5 µg/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15.5 µg/l for lead, the actual lead level, and what temporary remedial action Branchburg Public Schools has taken to reduce the levels of lead at these locations.

<b>Sample Location</b>	<b>First Draw Result in µg/l (ppb)</b>	<b>Remedial Action</b>
<b>Stony Brook School</b> By Room A-12 (L) Drinking Water Fountain ID # SBES-1-WF-05A	133	Outlet Immediately Taken Out of Service
<b>Branchburg Central Middle School</b> By Cafe/ Band, Left Drinking Water Fountain ID # BCMS-1-WF2-02A	15.3	Outlet Immediately Taken Out of Service Since March 2019
<b>Branchburg Central Middle School</b> By Com Closet/Rm 159, Middle Drinking Water Fountain ID # BCMS-1-WF6-06A	59.2	Outlet Immediately Taken Out of Service Since March 2019

## Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under 6 years of age. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At very high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

## How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

## Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of children under the age of 6. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

## For More Information

A copy of the test results is available in our central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30 a.m. and 4:00 p.m. and are also available on our website at <https://www.branchburg.k12.nj.us/>. For more information about water quality in our schools, contact Samad Mobley at the Branchburg Township School District - Buildings & Grounds Department, (908)722-3335 x1630.

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at [www.epa.gov/lead](http://www.epa.gov/lead), call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely,



Elizabeth Nastus, Ed.D.  
Interim Superintendent

CERTIFICATE OF ANALYSIS

Client: Garden State Environmental, Inc.  
555 S Broad St. Ste. K  
Glen Rock NJ 07452  
  
Client: GAR373

Report Date: 1/25/2022  
Report No.: 651231 - Lead Water  
Project: Branchburg: Whiton ES  
Project No.: 8361

LEAD WATER SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7349091                      **Location:** Room A-10                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** WES-1-SF-A10-01A                      \* Sample acidified to pH <2.

**Lab No.:** 7349092                      **Location:** Room A-8                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** WES-1-SF-A8-02A                      \* Sample acidified to pH <2.

**Lab No.:** 7349093                      **Location:** Room A-6                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-A6-03A                      \* Sample acidified to pH <2.

**Lab No.:** 7349094                      **Location:** Room A-4                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-A4-04A                      \* Sample acidified to pH <2.

**Lab No.:** 7349095                      **Location:** Room A-12                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-A12-05A                      \* Sample acidified to pH <2.

**Lab No.:** 7349096                      **Location:** Room A-15                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-A15-06A                      \* Sample acidified to pH <2.


**Lab No.:** 7349097                      **Location:** Room A-14                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-A14-07A                      \* Sample acidified to pH <2.

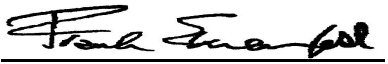
**Lab No.:** 7349098                      **Location:** Room A-17                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-A17-08A                      \* Sample acidified to pH <2.

**Lab No.:** 7349099                      **Location:** Room A-16                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** WES-1-SF-A16-09A                      \* Sample acidified to pH <2.

**Lab No.:** 7349100                      **Location:** Room A-18                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-A18-10A                      \* Sample acidified to pH <2.

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

Date Received: 1/24/2022  
Date Analyzed: 01/25/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS


Client: Garden State Environmental, Inc.  
555 S Broad St. Ste. K  
Glen Rock NJ 07452  
  
Client: GAR373


Report Date: 1/25/2022  
Report No.: 651231 - Lead Water  
Project: Branchburg: Whiton ES  
Project No.: 8361

LEAD WATER SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7349101 <b>Client No.:</b> WES-1-SF-A5-11A	<b>Location:</b> Room A-5 * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349102 <b>Client No.:</b> WES-1-SF-A2-12A	<b>Location:</b> Room A-2 * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349103 <b>Client No.:</b> WES-1-NSI-3-S-01A	<b>Location:</b> Nurse * Sample acidified to pH <2.	<b>Result(ppb):</b> 1.20
<b>Lab No.:</b> 7349104 <b>Client No.:</b> WES-1-SF-B2-13A	<b>Location:</b> Room B-2 * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349105 <b>Client No.:</b> WES-SF-B5-14A	<b>Location:</b> Room B-5 * Sample acidified to pH <2.	<b>Result(ppb):</b> Sample Not Analyzed
<b>Lab No.:</b> 7349106 <b>Client No.:</b> WES-1-SF-B4-15A	<b>Location:</b> Room B-4 * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349107 <b>Client No.:</b> WES-1-SF-B7-16A	<b>Location:</b> Room B-7 * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349108 <b>Client No.:</b> WES-1-SF-B9-17A	<b>Location:</b> Room B-9 * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349109 <b>Client No.:</b> WES-1-SF-B8-18A	<b>Location:</b> Room B-8 * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349110 <b>Client No.:</b> WES-1-SF-B11-19A	<b>Location:</b> Room B-11 * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00

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

Date Received: 1/24/2022  
Date Analyzed: 01/25/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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

Report Date: 1/25/2022  
Report No.: 651231 - Lead Water  
Project: Branchburg: Whiton ES  
Project No.: 8361

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7349111                      **Location:** Room B-10                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-B10-20A                      \* Sample acidified to pH <2.

**Lab No.:** 7349112                      **Location:** Room B-13                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-B13-21A                      \* Sample acidified to pH <2.

**Lab No.:** 7349113                      **Location:** Room B-12                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-B12-22A                      \* Sample acidified to pH <2.

**Lab No.:** 7349114                      **Location:** Faculty Room                      **Result(ppb):** <1.00  
**Client No.:** WES-1-TLI-S-02A                      \* Sample acidified to pH <2.

**Lab No.:** 7349115                      **Location:** By Gym (R)                      **Result(ppb):** 5.60  
**Client No.:** WES-1-WC-01A                      \* Sample acidified to pH <2.

**Lab No.:** 7349116                      **Location:** By Gym (L)                      **Result(ppb):** <1.00  
**Client No.:** WES-1-WC-02A                      \* Sample acidified to pH <2.


**Lab No.:** 7349117                      **Location:** Room B-14                      **Result(ppb):** 1.00  
**Client No.:** WES-1-SF-B14-23A                      \* Sample acidified to pH <2.


**Lab No.:** 7349118                      **Location:** Room B-15                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-B15-24A                      \* Sample acidified to pH <2.

**Lab No.:** 7349119                      **Location:** Room B-16                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-B16-25A                      \* Sample acidified to pH <2.

**Lab No.:** 7349120                      **Location:** Room B-17                      **Result(ppb):** <1.00  
**Client No.:** WES-1-SF-B17-26A                      \* Sample acidified to pH <2.

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

Date Received: 1/24/2022  
Date Analyzed: 01/25/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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


Report Date: 1/25/2022  
Report No.: 651231 - Lead Water  
Project: Branchburg: Whiton ES  
Project No.: 8361


Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7349121 Client No.: WES-1-SF-B19-27A	Location: Room B-19 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349122 Client No.: WES-1-WC-03A	Location: By Room C-2 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349123 Client No.: WES-1-SF-C2-28A	Location: Room C-2 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349124 Client No.: WES-1-SF-C4-29A	Location: Room C-4 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349125 Client No.: WES-1-SF-C5-30A	Location: Room C-5 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349126 Client No.: WES-1-SF-C6-31A	Location: Room C-6 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7349127 Client No.: WES-1-SF-C7-32A	Location: Room C-7 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7349128 Client No.: WES-1-WC-09A	Location: By Boy's BR C-Wing * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7349129 Client No.: WES-1-SF-C8-33A	Location: Room C-8 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7349130 Client No.: WES-1-SF-C9-34A	Location: Room C-9 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed

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

Date Received: 1/24/2022  
Date Analyzed: 01/25/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Garden State Environmental, Inc.  
555 S Broad St. Ste. K  
Glen Rock NJ 07452  
  
Client: GAR373

Report Date: 1/25/2022  
Report No.: 651231 - Lead Water  
Project: Branchburg: Whiton ES  
Project No.: 8361

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7349131 Client No.: WES-1-SF-C10-35A	Location: Room C-10 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349132 Client No.: WES-1-SF-C11-36A	Location: Room C-11 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349133 Client No.: WES-1-SF-C12-37A	Location: Room C-12 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7349134 Client No.: WES-1-SF-C13-38A	Location: Room C-13 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7349135 Client No.: WES-1-SF-C14-39A	Location: Room C-14 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7349136 Client No.: WES-1-SF-C15-40A	Location: Room C-15 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7349137 Client No.: WES-1-SF-C16-41A	Location: Room C-16 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7349138 Client No.: WES-1-SF-C17-42A	Location: Room C-17 * Sample acidified to pH <2.	Result(ppb): 1.10
Lab No.: 7349139 Client No.: WES-1-SF-C19-43A	Location: Room C-19 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349140 Client No.: WES-1-WC-05A	Location: By Room C-19 (L) * 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: 1/24/2022  
Date Analyzed: 01/25/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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

Report Date: 1/25/2022  
Report No.: 651231 - Lead Water  
Project: Branchburg: Whiton ES  
Project No.: 8361

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7349141 <b>Client No.:</b> WES-1-WC-06A	<b>Location:</b> By Room C-19 (R) * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349142 <b>Client No.:</b> WES-1-WC-07A	<b>Location:</b> By Cafe (L) * Sample acidified to pH <2.	<b>Result(ppb):</b> Sample Not Analyzed
<b>Lab No.:</b> 7349143 <b>Client No.:</b> WES-1-WC-08A	<b>Location:</b> By Cafe (R) * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349144 <b>Client No.:</b> WES-1-H-01A	<b>Location:</b> Kitchen Hose By Oven * Sample acidified to pH <2.	<b>Result(ppb):</b> 1.00
<b>Lab No.:</b> 7349145 <b>Client No.:</b> WES-1-KC1-S-03A	<b>Location:</b> Kitchen Sink Front * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7349146 <b>Client No.:</b> WES-1-KC2-S-04A	<b>Location:</b> Kitchen 3 Comp * Sample acidified to pH <2.	<b>Result(ppb):</b> 6.40
<b>Lab No.:</b> 7349147 <b>Client No.:</b> WES-1-H-02A	<b>Location:</b> Kitchen 3 Comp * Sample acidified to pH <2.	<b>Result(ppb):</b> 1.20
<b>Lab No.:</b> 7349148 <b>Client No.:</b> WES-2022-FBA	<b>Location:</b> Field Blank * Sample acidified to pH <2.	<b>Result(ppb):</b> Sample Not Analyzed

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

Date Received: 1/24/2022  
Date Analyzed: 01/25/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director



---

CERTIFICATE OF ANALYSIS

---

Client: Garden State Environmental, Inc.  
555 S Broad St. Ste. K  
Glen Rock NJ 07452  
  
Client: GAR373

Report Date: 1/25/2022  
Report No.: 651231 - Lead Water  
Project: Branchburg: Whiton ES  
Project No.: 8361

## 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

---

CERTIFICATE OF ANALYSIS

---

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

Report Date: 1/25/2022  
Report No.: 651231 - Lead Water  
Project: Branchburg: Whiton ES  
Project No.: 8361

Client: GAR373

**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.

CERTIFICATE OF ANALYSIS

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

Report Date: 1/27/2022  
Report No.: 651232 - Lead Water Rev #2, 1/28/2022  
Project: Branchburg: Stony Brook ES  
Project No.: 8361

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7349149      **Location:** Kitchen Sink By Custodial Closet      **Result(ppb):** Sample Not Received  
**Client No.:** SBES-1-S-01A      \* Sample acidified to pH <2.

**Lab No.:** 7349150      **Location:** Kitchen 3 Comp      **Result(ppb):** <1.00  
**Client No.:** SBES-1-S-02A      \* Sample acidified to pH <2.

**Lab No.:** 7349151      **Location:** Kitchen 3 Comp      **Result(ppb):** <1.00  
**Client No.:** SBES-1-H-01A      \* Sample acidified to pH <2.

**Lab No.:** 7349152      **Location:** By Gym (R)      **Result(ppb):** <1.00  
**Client No.:** SBES-1-WC-01A      \* Sample acidified to pH <2.

**Lab No.:** 7349153      **Location:** By Gym (R)      **Result(ppb):** <1.00  
**Client No.:** SBES-1-BF-01A      \* Sample acidified to pH <2.

**Lab No.:** 7349154      **Location:** By Gym (L)      **Result(ppb):** Sample Not Received  
**Client No.:** SBES-1-WC-02A      \* Sample acidified to pH <2.

**Lab No.:** 7349155      **Location:** Upper Facility Rm      **Result(ppb):** Sample Not Received  
**Client No.:** SBES-1-S-03A      \* Sample acidified to pH <2.

**Lab No.:** 7349156      **Location:** Outside Nurse (L)      **Result(ppb):** 1.20  
**Client No.:** SBES-1-WF-01A      \* Sample acidified to pH <2.

**Lab No.:** 7349157      **Location:** Outside Nurse (R)      **Result(ppb):** 6.10  
**Client No.:** SBES-1-WF-02A      \* Sample acidified to pH <2.

**Lab No.:** 7349158      **Location:** Nurse BR      **Result(ppb):** <1.00  
**Client No.:** SBES-1-S-04A      \* Sample acidified to pH <2.

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

Date Received: 1/24/2022  
Date Analyzed: 01/27/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS


Client: Garden State Environmental, Inc.  
555 S Broad St. Ste. K  
Glen Rock NJ 07452  
  
Client: GAR373


Report Date: 1/27/2022  
Report No.: 651232 - Lead Water Rev #2, 1/28/2022  
Project: Branchburg: Stony Brook ES  
Project No.: 8361

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7349159 Client No.: SBES-1-S-05A	Location: Nurse * Sample acidified to pH <2.	Result(ppb): 1.50
Lab No.: 7349160 Client No.: SBES-1-B-01A	Location: Room B-4 * Sample acidified to pH <2.	Result(ppb): 12.5
Lab No.: 7349161 Client No.: SBES-1-B-02A	Location: Room B-5 * Sample acidified to pH <2.	Result(ppb): Sample Not Received
Lab No.: 7349162 Client No.: SBES-1-S-06A	Location: Lower Faculty Rm * Sample acidified to pH <2.	Result(ppb): 2.60
Lab No.: 7349163 Client No.: SBES-1-WC-03A	Location: By Room C-2 (R) * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349164 Client No.: SBES-1-BF-02A	Location: By Room C-2 (R) * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349165 Client No.: SBES-1-WC-04A	Location: By Room C-2 (L) * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7349166 Client No.: SBES-1-WF-03A	Location: By Room A-5 (L) * Sample acidified to pH <2.	Result(ppb): 5.50
Lab No.: 7349167 Client No.: SBES-1-WF-04A	Location: By Room A-5 (R) * Sample acidified to pH <2.	Result(ppb): 2.90
Lab No.: 7349168 Client No.: SBES-1-WF-05A	Location: By Room A-12 (L) * Sample acidified to pH <2.	Result(ppb): 133

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

Date Received: 1/24/2022  
Date Analyzed: 01/27/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

---

CERTIFICATE OF ANALYSIS

---

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

Report Date: 1/27/2022  
Report No.: 651232 - Lead Water Rev #2, 1/28/2022  
Project: Branchburg: Stony Brook ES  
Project No.: 8361

Client: GAR373

---

LEAD WATER SAMPLE ANALYSIS SUMMARY

---

Lab No.: 7349169  
Client No.: SBES-1-B-03A

Location: Room B-8  
\* Sample acidified to pH <2.

Result(ppb): Sample Not Received

Lab No.: 7349170  
Client No.: SBES-2022-FBA


Location: Field Blank  
\* 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: 1/24/2022  
Date Analyzed: 01/27/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

---

CERTIFICATE OF ANALYSIS

---

Client: Garden State Environmental, Inc.  
555 S Broad St. Ste. K  
Glen Rock NJ 07452  
  
Client: GAR373

Report Date: 1/27/2022  
Report No.: 651232 - Lead Water  
Project: Branchburg: Stony Brook ES  
Project No.: 8361

## 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

---

CERTIFICATE OF ANALYSIS

---

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

Report Date: 1/27/2022  
Report No.: 651232 - Lead Water  
Project: Branchburg; Stony Brook ES  
Project No.: 8361

Client: GAR373

**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.

CERTIFICATE OF ANALYSIS

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

Report Date: 4/5/2022  
Report No.: 657134 - Lead Water  
Project: Branchburg: Stony Brook ES  
Project No.: 8361

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7396267                      **Location:** Kitchen: Sink By Custodial Closet                      **Result(ppb):** <1.00  
**Client No.:** SBES-1-S-01A                      \* Sample acidified to pH <2.

**Lab No.:** 7396268                      **Location:** By Gym (L)                      **Result(ppb):** <1.00  
**Client No.:** SBES-1-WC-02A                      \* Sample acidified to pH <2.

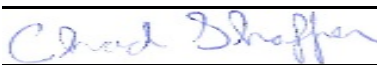
**Lab No.:** 7396269                      **Location:** Upper Faculty Room                      **Result(ppb):** 3.10  
**Client No.:** SBES-1-S-03A                      \* Sample acidified to pH <2.

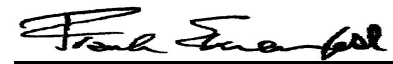
**Lab No.:** 7396270                      **Location:** Room B-5                      **Result(ppb):** 9.90  
**Client No.:** SBES-1-B-02A                      \* Sample acidified to pH <2.

**Lab No.:** 7396271                      **Location:** Room B-8                      **Result(ppb):** <1.00  
**Client No.:** SBES-1-B-03A                      \* Sample acidified to pH <2.

**Lab No.:** 7396272                      **Location:** Field Blank                      **Result(ppb):** <1.00  
**Client No.:** SBES-2022-FBA                      \* Sample acidified to pH <2.

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

Date Received: 3/29/2022  
Date Analyzed: 04/05/2022  
Signature:   
Analyst: Chad Shaffer

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director



---

CERTIFICATE OF ANALYSIS

---

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

Report Date: 4/5/2022  
Report No.: 657134 - Lead Water  
Project: Branchburg: Stony Brook ES  
Project No.: 8361

Client: GAR373

## 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

---

CERTIFICATE OF ANALYSIS

---

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

Report Date: 4/5/2022  
Report No.: 657134 - Lead Water  
Project: Branchburg: Stony Brook ES  
Project No.: 8361

Client: GAR373

**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.

CERTIFICATE OF ANALYSIS

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

Report Date: 1/26/2022  
Report No.: 651233 - Lead Water  
Project: Branchburg: BCMS  
Project No.: 8361

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7349171      **Location:** By Cafe/ Band (R)      **Result(ppb):** Sample Not Analyzed  
**Client No.:** BCMS-1-WF1-01A      \* Sample acidified to pH <2.

**Lab No.:** 7349172      **Location:** By Cafe/ Band (L)      **Result(ppb):** 15.3  
**Client No.:** BCMS-1-WF2-02A      \* Sample acidified to pH <2.

**Lab No.:** 7349173      **Location:** By Girl's/Boy's LR (L)      **Result(ppb):** 6.90  
**Client No.:** BCMS-1-WF3-03A      \* Sample acidified to pH <2.

**Lab No.:** 7349174      **Location:** By Girl's/Boy's LR (R)      **Result(ppb):** 4.30  
**Client No.:** BCMS-1-WF4-04A      \* Sample acidified to pH <2.

**Lab No.:** 7349175      **Location:** Office Kitchen (Rm 101)      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-S-12A      \* Sample acidified to pH <2.

**Lab No.:** 7349176      **Location:** By Com Closet/Rm 159 (L)      **Result(ppb):** Sample Not Analyzed  
**Client No.:** BCMS-1-WF5-05A      \* Sample acidified to pH <2.


**Lab No.:** 7349177      **Location:** By Com Closet/Rm 159 (M)      **Result(ppb):** 59.2  
**Client No.:** BCMS-1-WF6-06A      \* Sample acidified to pH <2.


**Lab No.:** 7349178      **Location:** By Com Closet/Rm 159 (R)      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-WF7-07A      \* Sample acidified to pH <2.

**Lab No.:** 7349179      **Location:** By Rm 200 (R)      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-WC1-01A      \* Sample acidified to pH <2.

**Lab No.:** 7349180      **Location:** By Rm 200 (R)      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-BF-01A      \* Sample acidified to pH <2.

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

Date Received: 1/24/2022  
Date Analyzed: 01/26/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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

Report Date: 1/26/2022  
Report No.: 651233 - Lead Water  
Project: Branchburg: BCMS  
Project No.: 8361

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7349181                      **Location:** By Rm 200 (L)                      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-WC-02A                      \* Sample acidified to pH <2.

**Lab No.:** 7349182                      **Location:** Faculty Rm                      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-S-01A                      \* Sample acidified to pH <2.

**Lab No.:** 7349183                      **Location:** Kitchen Sink (Front)                      **Result(ppb):** 3.70  
**Client No.:** BCMS-1-S-02A                      \* Sample acidified to pH <2.

**Lab No.:** 7349184                      **Location:** Ice Machine                      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-IM-01A                      \* Sample acidified to pH <2.

**Lab No.:** 7349185                      **Location:** Kitchen 2 Comp (R)                      **Result(ppb):** 4.60  
**Client No.:** BCMS-1-S-03A                      \* Sample acidified to pH <2.

**Lab No.:** 7349186                      **Location:** Kitchen 2 Comp Hose                      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-H-01A                      \* Sample acidified to pH <2.


**Lab No.:** 7349187                      **Location:** Kitchen 2 Comp (L)                      **Result(ppb):** 1.30  
**Client No.:** BCMS-1-S-04A                      \* Sample acidified to pH <2.

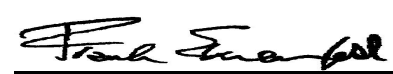
**Lab No.:** 7349188                      **Location:** Kitchen Sink By Oven                      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-S-05A                      \* Sample acidified to pH <2.

**Lab No.:** 7349189                      **Location:** Kitchen Sink By Cooler                      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-S-06A                      \* Sample acidified to pH <2.

**Lab No.:** 7349190                      **Location:** By Rm 301 (R)                      **Result(ppb):** <1.00  
**Client No.:** BCMS-1-WF8-08A                      \* Sample acidified to pH <2.

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

Date Received: 1/24/2022  
Date Analyzed: 01/26/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Garden State Environmental, Inc.  
555 S Broad St. Ste. K  
Glen Rock NJ 07452  
  
Client: GAR373

Report Date: 1/26/2022  
Report No.: 651233 - Lead Water  
Project: Branchburg: BCMS  
Project No.: 8361

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7349191                      Location: By Rm 301 (L)                      Result(ppb): 1.10  
Client No.: BCMS-1-WF9-09A              \* Sample acidified to pH <2.

Lab No.: 7349192                      Location: By Rm 207 (R)                      Result(ppb): 1.30  
Client No.: BCMS-1-WF10-10A             \* Sample acidified to pH <2.

Lab No.: 7349193                      Location: Nurse                                Result(ppb): <1.00  
Client No.: BCMS-1-S-09A                \* Sample acidified to pH <2.

Lab No.: 7349194                      Location: Nurse (Side Rm)                    Result(ppb): <1.00  
Client No.: BCMS-1-S-10A                \* Sample acidified to pH <2.

Lab No.: 7349195                      Location: Board Office                        Result(ppb): <1.00  
Client No.: BCMS-1-S-11A                \* Sample acidified to pH <2.

Lab No.: 7349196                      Location: By Rm 306 (L)                      Result(ppb): 2.30  
Client No.: BCMS-1-WF11-11A             \* Sample acidified to pH <2.


Lab No.: 7349197                      Location: By Rm 306 (R)                      Result(ppb): 1.70  
Client No.: BCMS-1-WF12-A12             \* Sample acidified to pH <2.


Lab No.: 7349198                      Location: 410 Prep Rm                        Result(ppb): <1.00  
Client No.: BCMS-1-S-08A                \* Sample acidified to pH <2.

Lab No.: 7349199                      Location: By Gym (L)                         Result(ppb): <1.00  
Client No.: BCMS-1-WC5-05A             \* Sample acidified to pH <2.

Lab No.: 7349200                      Location: By Gym (R)                         Result(ppb): <1.00  
Client No.: BCMS-1-WC6-06A             \* Sample acidified to pH <2.

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

Date Received: 1/24/2022  
Date Analyzed: 01/26/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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

Report Date: 1/26/2022  
Report No.: 651233 - Lead Water  
Project: Branchburg: BCMS  
Project No.: 8361

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7349201                      Location: By Gym (R)                      Result(ppb): <1.00  
Client No.: BCMS-1-BF-02A              \* Sample acidified to pH <2.


Lab No.: 7349202                      Location: By Rm 511 (L)                      Result(ppb): 2.60  
Client No.: BCMS-1-WC3-03A              \* Sample acidified to pH <2.


Lab No.: 7349203                      Location: By Rm 511 (R)                      Result(ppb): <1.00  
Client No.: BCMS-1-WC4-04A              \* Sample acidified to pH <2.

Lab No.: 7349204                      Location: Rm 202A                      Result(ppb): 4.80  
Client No.: BCMS-1-S-07A              \* Sample acidified to pH <2.

Lab No.: 7349205                      Location: Field Blank                      Result(ppb): <1.00  
Client No.: BCMS-2022-FBA              \* Sample acidified to pH <2.

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

Date Received: 1/24/2022  
Date Analyzed: 01/26/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

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

Report Date: 1/26/2022  
Report No.: 651233 - Lead Water  
Project: Branchburg: BCMS  
Project No.: 8361

Client: GAR373

## 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

---

CERTIFICATE OF ANALYSIS

---

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

Report Date: 1/26/2022  
Report No.: 651233 - Lead Water  
Project: Branchburg: BCMS  
Project No.: 8361

Client: GAR373

**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.



CERTIFICATE OF ANALYSIS

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

Report Date: 6/6/2022  
Report No.: 662248 - Lead Water  
Project: Branchburg Central Middle School  
Project No.: 8361

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY


**Lab No.:** 7437734                      **Location:** By Cafe/Band (R)                      **Result(ppb):** 3.20  
**Client No.:** BCMS-1-WFL-01A                      \* Sample acidified to pH <2.


**Lab No.:** 7437735                      **Location:** By Cafe/Band (L)                      **Result(ppb):** 6.70  
**Client No.:** BCMS-1-WF2-02A                      \* Sample acidified to pH <2.

**Lab No.:** 7437736                      **Location:** Com Closet/Rm 159 (L)                      **Result(ppb):** 1.30  
**Client No.:** BCMS-1-WF5-05A                      \* Sample acidified to pH <2.

**Lab No.:** 7437737                      **Location:** Field Blank                      **Result(ppb):** <1.00  
**Client No.:** BCMS-2022-FBA                      \* 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: 06/06/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

---

CERTIFICATE OF ANALYSIS

---

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

Report Date: 6/6/2022  
Report No.: 662248 - Lead Water  
Project: Branchburg Central Middle School  
Project No.: 8361

Client: GAR373

## 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

---

CERTIFICATE OF ANALYSIS

---

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

Report Date: 6/6/2022  
Report No.: 662248 - Lead Water  
Project: Branchburg Central Middle School  
Project No.: 8361

Client: GAR373

**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.