



NORTH BRUNSWICK TOWNSHIP PUBLIC SCHOOLS

Administrative Offices:
Linwood School, 25 Linwood Place
Post Office Box 6016
North Brunswick, N.J. 08902
Telephone (732) 289-3000
www.nbtschools.org

Janet Ciarrocca
Acting Superintendent of Schools
jciarrocca@nbtschools.org
732-289-3030

Rosa Hock
Business Administrator/Board Secretary
rhock@nbtschools.org
732- 289-3020

Brian Falkowski, Ed.D.
Assistant Business Administrator
bfalkowski@sboffice.com
732-289-3022

June 6, 2022

North Brunswick Township Public Schools
North Brunswick Township High School
98 Raider Road
North Brunswick, NJ 08902

Dear North Brunswick Township High School 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, North Brunswick Township High School tested our school's drinking water for lead.

In accordance with the Department of Education regulations, North Brunswick Township High School will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 $\mu\text{g}/\text{l}$ (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 North Brunswick Township Public Schools. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the forty-eight (48) samples taken, all but four (4) tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 $\mu\text{g}/\text{l}$ [ppb]).

The table below identifies the drinking water outlet(s) that tested above the 15 $\mu\text{g}/\text{l}$ for lead, the actual lead level, and what remedial action North Brunswick Township Public Schools has taken to reduce the levels of lead at this location.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Water Cooler 540 Right NBTHS-1-WC-18A	49.6	Outlet immediately taken out of service.* *This outlet has been shut off from service since March 2020.
Sink Kitchen Island Across Oven NBTHS-1-S-173A	167	Outlet immediately taken out of service.** ** Outlet not used for consumption. Did not affect potable water supply to the kitchen.
Sink Kitchen Left of Dishwasher NBTHS-1-S-175A	48.4	Outlet immediately taken out of service.** ** Outlet not used for consumption. Did not affect potable water supply to the kitchen.
Hose Kitchen Left of Dishwasher NBTHS-1-H-01A	46.8	Outlet immediately taken out of service .** ** Outlet not used for consumption. Did not affect potable water supply to the kitchen. OUTLET IS PERMANENTLY OUT OF SERVICE.

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 www.nbtschools.org. For more information about water quality in our schools, contact Paul Carroll at the North Brunswick Board of Ed, 732 289-3027.

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, call the National Lead Information Center at 800-424-LEAD, or contact your healthcare 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,

Rosa Hock
Business Administrator/Board Secretary

c: J. Ciarrocca, Superintendent
M. Kneller, North Brunswick Township High School Principal
P. Carroll, Supervisor of Buildings & Grounds
S. Davis, Director Food Service, Chartwells

CERTIFICATE OF ANALYSIS

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

Report Date: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7433607 Location:Room 430 Result(ppb):<1.00
Client No.:NBTHS-1-S-02A * Sample acidified to pH <2.

Lab No.:7433608 Location:Room 400 Result(ppb):<1.00
Client No.:NBTHS-1-S-03A * Sample acidified to pH <2.

Lab No.:7433609 Location:Outside Room 423 Left Result(ppb):<1.00
Client No.:NBTHS-1-B-07A * Sample acidified to pH <2.

Lab No.:7433610 Location:Outside Room 423 Right Result(ppb):1.50
Client No.:NBTHS-1-B-08A * Sample acidified to pH <2.

Lab No.:7433611 Location:Trainer's Hall By 540 Left Result(ppb):9.50
Client No.:NBTHS-1-WC-17A * Sample acidified to pH <2.

Lab No.:7433612 Location:540 Right Result(ppb):49.6
Client No.:NBTHS-1-WC-18A * Sample acidified to pH <2.


Lab No.:7433613 Location:Room 540 Trainer Side Right Result(ppb):<1.00
Client No.:NBTHS-1-S-21A * Sample acidified to pH <2.

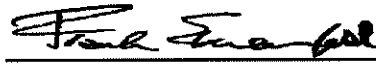
Lab No.:7433614 Location:Room 540 Wall Left Result(ppb):1.80
Client No.:NBTHS-1-S-24A * Sample acidified to pH <2.

Lab No.:7433615 Location:Room 540 Wall Right Result(ppb):6.10
Client No.:NBTHS-1-S-25A * Sample acidified to pH <2.

Lab No.:7433616 Location:Room 540 Back Rom Result(ppb):<1.00
Client No.:NBTHS-1-IM-26 * Sample acidified to pH <2.

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

Date Received: 5/25/2022
Date Analyzed: 05/27/2022
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

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

Report Date: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7433617 Location: Room 544 Boy's Room Left Result(ppb): <1.00
Client No.: NBTHS-1-WC-28A * Sample acidified to pH <2.

Lab No.: 7433618 Location: Room 544 Boy's Room Right Result(ppb): 2.10
Client No.: NBTHS-1-WC-29A * Sample acidified to pH <2.

Lab No.: 7433619 Location: Room 541 Girl's Room Result(ppb): <1.00
Client No.: NBTHS-1-WC-38A * Sample acidified to pH <2.

Lab No.: 7433620 Location: Outside Pool Result(ppb): <1.00
Client No.: NBTHS-1-WC-40A * Sample acidified to pH <2.

Lab No.: 7433621 Location: Outside Pool Result(ppb): <1.00
Client No.: NBTHS-1-BF-01A * Sample acidified to pH <2.

Lab No.: 7433622 Location: Hall Outside 420 Result(ppb): <1.00
Client No.: NBTHS-1-WC-83A * Sample acidified to pH <2.


Lab No.: 7433623 Location: Boy's Locker Room Result(ppb): 1.30
Client No.: NBTHS-1-B-76A * Sample acidified to pH <2.

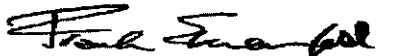
Lab No.: 7433624 Location: Outside Room 562 Result(ppb): <1.00
Client No.: NBTHS-1-B-80A * Sample acidified to pH <2.

Lab No.: 7433625 Location: Outside 564 Right Result(ppb): <1.00
Client No.: NBTHS-1-BF-02A * Sample acidified to pH <2.

Lab No.: 7433626 Location: Outside 564 Right Result(ppb): <1.00
Client No.: NBTHS-1-WC-68A * Sample acidified to pH <2.

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

Date Received: 5/25/2022
Date Analyzed: 05/27/2022
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

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


Report Date: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

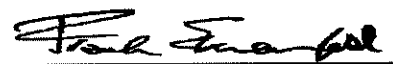
Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7433627 Client No.:NBTHS-1-WC-69A	Location:Outside 564 Left * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7433628 Client No.:NBTHS-1-B-51A	Location:Outside Pool Entrance * Sample acidified to pH <2.	Result(ppb):3.20
Lab No.:7433629 Client No.:NBTHS-1-WC-58A	Location:Right Of Room 580 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7433630 Client No.:NBTHS-1-WC-55A	Location:Outside Room 581 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7433631 Client No.:NBTHS-1-S-54A	Location:Room 592 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7433632 Client No.:NBTHS-1-WC-88A	Location:Nurse Office * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7433633 Client No.:NBTHS-1-S-89A	Location:Nurse Back Right * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7433634 Client No.:NBTHS-1-S-114A	Location:Room 272 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7433635 Client No.:NBTHS-1-S-172A	Location:Kitchen Near Elec. Panels * Sample acidified to pH <2.	Result(ppb):1.20
Lab No.:7433636 Client No.:NBTHS-1-S-174A	Location:Kitchen Near Elec. Panels * Sample acidified to pH <2.	Result(ppb):1.50

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

Date Received: 5/25/2022
Analyzed: 05/31/2022
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: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

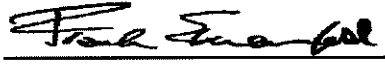
Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7433637 Client No.: NBTHS-1-S-173A	Location: Kitchen Island Across Oven * Sample acidified to pH <2.	Result(ppb): 167
Lab No.: 7433638 Client No.: NBTHS-1-S-175A	Location: Kitchen Left Of Dishwasher * Sample acidified to pH <2.	Result(ppb): 48.4
Lab No.: 7433639 Client No.: NBTHS-1-H-01A	Location: Kitchen Left Of Dishwasher * Sample acidified to pH <2.	Result(ppb): 46.8
Lab No.: 7433640 Client No.: NBTHS-1-S-176A	Location: Kitchen Right Of Dishwasher * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433641 Client No.: NBTHS-1-S-179A	Location: Kitchen Middle Steamer * Sample acidified to pH <2.	Result(ppb): 1.00
Lab No.: 7433642 Client No.: NBTHS-1-S-177A	Location: Across Steamer * Sample acidified to pH <2.	Result(ppb): 1.30
Lab No.: 7433643 Client No.: NBTHS-1-S-180A	Location: Kitchen Back Left Next To Wash Station * Sample acidified to pH <2.	Result(ppb): 2.10
Lab No.: 7433644 Client No.: NBTHS-1-S-184A	Location: Kitchen Back Left 2 Comp * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7433645 Client No.: NBTHS-1-S-183A	Location: Kitchen Back Wall 3 Comp Left * Sample acidified to pH <2.	Result(ppb): 2.20
Lab No.: 7433646 Client No.: NBTHS-1-S-182A	Location: Kitchen Back Wall 3 Comp Right * Sample acidified to pH <2.	Result(ppb): 2.30

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

Date Received: 5/25/2022
Date Analyzed: 05/31/2022
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: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7433647 Location: Kitchen Back Wall Result(ppb): <1.00
Client No.: NBTHS-1-IM-181 * Sample acidified to pH <2.

Lab No.: 7433648 Location: Kitchen Serving Line Result(ppb): 4.70
Client No.: NBTHS-1-S-190A * Sample acidified to pH <2.

Lab No.: 7433649 Location: Room 200 BR Result(ppb): <1.00
Client No.: NBTHS-1-S-120A * Sample acidified to pH <2.

Lab No.: 7433650 Location: Field Blank Result(ppb): <1.00
Client No.: NBTHS-5-21-FBA * Sample acidified to pH <2.

Lab No.: 7433651 Location: Hallway To Main Office Left Result(ppb): <1.00
Client No.: NBTHS-1-WC-108A * Sample acidified to pH <2.

Lab No.: 7433652 Location: Hallway To Main Office Left Result(ppb): <1.00
Client No.: NBTHS-1-BF-03A * Sample acidified to pH <2.


Lab No.: 7433653 Location: Hall Leading To Main Office Right Result(ppb): <1.00
Client No.: NBTHS-1-WC-107A * Sample acidified to pH <2.

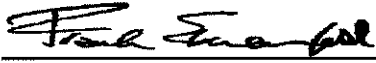
Lab No.: 7433654 Location: Outside 103 Left Result(ppb): <1.00
Client No.: NBTHS-1-WC-103A * Sample acidified to pH <2.

Lab No.: 7433655 Location: Outside 103 Right Result(ppb): <1.00
Client No.: NBTHS-1-WC-104A * Sample acidified to pH <2.

Lab No.: 7433656 Location: Main Office Kitchen Result(ppb): 2.20
Client No.: NBTHS-1-S-106A * Sample acidified to pH <2.

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

Date Received: 5/25/2022
Date Analyzed: 05/31/2022
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: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY


Lab No.: 7433657 Location: Cafe Room 201D Result(ppb): 2.70
Client No.: NBTHS-1-S-132A * Sample acidified to pH <2.

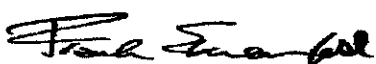
Lab No.: 7433658 Location: 201 Cafe Left Result(ppb): <1.00
Client No.: NBTHS-1-WC-129A * Sample acidified to pH <2.

Lab No.: 7433659 Location: Hall Outside 206 Left Result(ppb): 4.50
Client No.: NBTHS-1-WC-126A * Sample acidified to pH <2.

Lab No.: 7433660 Location: Hall Outside 206 Right Result(ppb): 12.2
Client No.: NBTHS-1-WC-127A * Sample acidified to pH <2.

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

Date Received: 5/25/2022
Date Analyzed: 05/31/2022
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: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7433661 Location:Hall Outside 210/212 Result(ppb):<1.00
Client No.:NBTHS-1-WC-134A * Sample acidified to pH <2.

Lab No.:7433662 Location:Hall Outside 210/212 Result(ppb):<1.00
Client No.:NBTHS-1-BF-04A * Sample acidified to pH <2.

Lab No.:7433663 Location:Hall Outside 228 And 230 Left Result(ppb):<1.00
Client No.:NBTHS-1-WC-148A * Sample acidified to pH <2.

Lab No.:7433664 Location:Hall Outside 228 And 230 Right Result(ppb):<1.00
Client No.:NBTHS-1-WC-149A * Sample acidified to pH <2.

Lab No.:7433665 Location:Green Room Behind Stage Result(ppb):<1.00
Client No.:NBTHS-1-WC-150A * Sample acidified to pH <2.

Lab No.:7433666 Location:Room 201 Cafe RT Result(ppb):<1.00
Client No.:NBTHS-1-WC-128A * Sample acidified to pH <2.


Lab No.:7433667 Location:Hall Outside 246 Left Result(ppb):<1.00
Client No.:NBTHS-1-WC-159A * Sample acidified to pH <2.

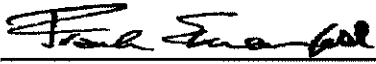
Lab No.:7433668 Location:Hall Outside 246 Right Result(ppb):<1.00
Client No.:NBTHS-1-WC-160A * Sample acidified to pH <2.

Lab No.:7433669 Location:Room 242 Result(ppb):<1.00
Client No.:NBTHS-1-S-158A * Sample acidified to pH <2.

Lab No.:7433670 Location:Choir Room 245 Left Result(ppb):<1.00
Client No.:NBTHS-1-WC-156A * Sample acidified to pH <2.

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

Date Received: 5/25/2022
Date Analyzed: 06/01/2022
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: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7433671 Location:Choir Room 245 Right Result(ppb):<1.00
Client No.:NBTHS-1-WC-157A * Sample acidified to pH <2.

Lab No.:7433672 Location:Music Hall Left Result(ppb):1.40
Client No.:NBTHS-1-WC-151A * Sample acidified to pH <2.

Lab No.:7433673 Location:Music Hall Right Result(ppb):3.20
Client No.:NBTHS-1-WC-152A * Sample acidified to pH <2.

Lab No.:7433674 Location:Band Room 249 F Result(ppb):<1.00
Client No.:NBTHS-1-S-155A * Sample acidified to pH <2.

Lab No.:7433675 Location:Band Room 249 LT Result(ppb):<1.00
Client No.:NBTHS-1-WC-153A * Sample acidified to pH <2.

Lab No.:7433676 Location:Band Room 249 Right Result(ppb):<1.00
Client No.:NBTHS-1-WC-154A * Sample acidified to pH <2.


Lab No.:7433677 Location:Room 719 Back Result(ppb):12.3
Client No.:NBTHS-2-S-251A * Sample acidified to pH <2.

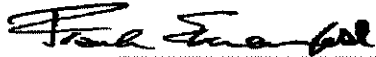
Lab No.:7433678 Location:Outside 804 Result(ppb):1.40
Client No.:NBTHS-2-B-272A * Sample acidified to pH <2.

Lab No.:7433679 Location:Hall Outside 805 Result(ppb):1.70
Client No.:NBTHS-2-B-304A * Sample acidified to pH <2.

Lab No.:7433680 Location:Hall Outside 821 Result(ppb):<1.00
Client No.:NBTHS-2-B-218A * Sample acidified to pH <2.

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

Date Received: 5/25/2022
Date Analyzed: 06/01/2022
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: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7433681 Location: Room 711 Result(ppb): <1.00
Client No.: NBTHS-2-S-214A * Sample acidified to pH <2.

Lab No.: 7433682 Location: Outside Room 623 Result(ppb): 1.60
Client No.: NBTHS-2-B-207A * Sample acidified to pH <2.

Lab No.: 7433683 Location: Room 625 Result(ppb): <1.00
Client No.: NBTHS-2-S-208A * Sample acidified to pH <2.

Lab No.: 7433684 Location: Outside Rm. 617 Result(ppb): 1.10
Client No.: NBTHS-2-B-194A * Sample acidified to pH <2.

Lab No.: 7433685 Location: Room 612 Result(ppb): 14.2
Client No.: NBTHS-2-S-193A * Sample acidified to pH <2.

Lab No.: 7433686 Location: Room 601 Result(ppb): 1.20
Client No.: NBTHS-2-S-192A * Sample acidified to pH <2.


Lab No.: 7433687 Location: Outside 872 Left Result(ppb): <1.00
Client No.: NBTHS-2-WC-328A * Sample acidified to pH <2.

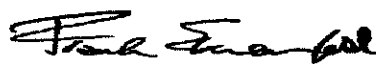
Lab No.: 7433688 Location: Outside 872 Right Result(ppb): <1.00
Client No.: NBTHS-2-WC-329A * Sample acidified to pH <2.

Lab No.: 7433689 Location: Outside 841 RT Result(ppb): <1.00
Client No.: NBTHS-2-WC-322A * Sample acidified to pH <2.

Lab No.: 7433690 Location: Outside 841 LT Result(ppb): <1.00
Client No.: NBTHS-2-WC-321A * Sample acidified to pH <2.

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

Date Received: 5/25/2022
Date Analyzed: 06/01/2022
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: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY


Lab No.: 7433691 Location: Room 840 Result(ppb): <1.00
Client No.: NBTHS-2-S-320A * Sample acidified to pH <2.


Lab No.: 7433692 Location: Outside 849/850 RT Result(ppb): <1.00
Client No.: NBTHS-2-WC-323A * Sample acidified to pH <2.

Lab No.: 7433693 Location: Outside 849/850 LT Result(ppb): <1.00
Client No.: NBTHS-2-WC-324A * Sample acidified to pH <2.

Lab No.: 7433694 Location: Field Blank Result(ppb): <1.00
Client No.: NBTHS-5-22-FBA * Sample acidified to pH <2.

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

Date Received: 5/25/2022
Date Analyzed: 06/01/2022
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: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

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 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: 6/1/2022
Report No.: 661785 - Lead Water
Project: North Brunswick High School
Project No.: 8430

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.

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.



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

– Environmental Lead –

Contact Information	
Client Company: <u>Garden State Environmental, Inc.</u>	Project Number: <u>8430</u>
Office Address: <u>555 South Broad Street</u>	Project Name: <u>North Brunswick high school</u>
City, State, Zip: <u>Glen Rock, NJ 07452</u>	Primary Contact: <u>Michael Blaney</u>
Fax Number: <u>201-652-0612</u>	Office Phone: <u>201-652-1119</u>
Email Address: <u>iabreports@gseconsultants.com</u>	Cell Phone: _____

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

Matrix/Method:

- Paint by AAS: ASTM D3335-85a, 2009
- Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010
- Air by AAS: NIOSH 7082, 1994
- Soil by AAS: EPA SW 846 (Soil)
- Water by AAS-GF: ASTM D3559-03D, US EPA 200.9
- Other Metals (Cd, Zn, Cr) by AAS
- Toxicity Characteristic Leaching Procedure (TCLP) by AAS: US EPA 1311
- Other _____

Special Instructions:

Turnaround Time

Preliminary Results Requested Date: _____ Verbal Email Fax

Specific date / time

10 Day 5 Day 3 Day 2 Day 1 Day* 12 Hour** 6 Hour** RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

Chain of Custody

Relinquished (Name/Organization): <u>Michael Blaney</u>	Date: <u>5/24/22</u> Time: <u>11:49am</u>
Received (Name / iATL): _____	Date: _____ Time: _____
Sample Login (Name / iATL): _____	Date: _____ Time: _____
Analysis(Name(s) / iATL): <u>MS 5/3/22</u>	Date: <u>MAY 25 2022</u> Time: _____
QA/QC Review (Name / iATL): <u>6/2/22</u>	Date: _____ Time: _____
Archived / Released: _____ QA/QC InterLAB Use: _____	Date: _____ Time: _____

IATL - By [Signature]



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

-Environmental Lead-

Client: Garden State Environmental, Inc. Project: North Brunswick high school (8430)

Sampling Date/Time: 5/21/22 9:43am

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
NBTHS-1-WC-83A	7433622	hall outside 420	-	10:17 AM	11191	-	
NBTHS-1-B-76A	7433623	boys locker room	-	10:21 AM		-	
NBTHS-1-B-80A	7433624	outside room 562	-	10:24 AM		-	
NBTHS-1-BF-02A	7433625	outside 564 right	-	10:28 AM		-	
NBTHS-1-WC-68A	7433626	outside 564 right	-	10:27 AM		-	
NBTHS-1-WC-69A	7433627	outside 564 left	-	10:28 AM		-	
NBTHS-1-B-51A	7433628	outside pool entrance	-	10:30 AM		-	
NBTHS-1-WC-58A	7433629	right of room 580	-	10:33 AM		-	
NBTHS-1-WC-55A	7433630	outside room 591	-	10:34 AM		-	
NBTHS-1-S-54A	7433631	room 592	-	10:36 AM		-	
NBTHS-1-WC-88A	7433632	nurse office	-	10:42 AM		-	
NBTHS-1-S-89A	7433633	nurse back right	-	10:43 AM		-	
NBTHS-1-S-114A	7433634	room 272	-	10:46 AM		-	
NBTHS-1-S-170A	7433635	kitchen near elec. panels	-	10:49 AM		-	
NBTHS-1-S-174A	7433636	kitchen near elec. panels	-	10:51 AM		-	

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
 ** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible
 FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
 These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

Sample Log

-Environmental Lead -

Client: Garden State Environmental, Inc. Project: North Brunswick High School (8430)

Sampling Date/Time: 5/21/22 9:43am

Client Sample #	iATL #	Location/Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
NBTHS-1-S-173A	7433637	Kitchen island across oven	-	10:53 am	initial	-	
NBTHS-1-S-175A	7433638	Kitchen left of dishwasher	-	10:56 am		-	
NBTHS-1-H-01A	7433639	Kitchen left of dishwasher	-	10:58 Am		-	
NBTHS-1-S-176A	7433640	Kitchen right of dishwasher	-	11:00 Am		-	
NBTHS-1-S-179A	7433641	Kitchen middle steamer	-	11:00 Am		-	
NBTHS-1-S-177A	7433642	across steamer	-	11:04 Am		-	
NBTHS-1-S-180A	7433643	Kitchen back left next to wash station	-	11:06 Am		-	
NBTHS-1-S-184A	7433644	Kitchen back left 2 comp	-	11:08 Am		-	
NBTHS-1-S-183A	7433645	Kitchen back wall 3 comp left	-	11:11 Am		-	
NBTHS-1-S-182A	7433646	Kitchen back wall 3 comp right	-	11:40 Am		-	
NBTHS-1-Im-181	7433647	Kitchen back wall	-	11:10 Am		-	
NBTHS-1-S-190A	7433648	Kitchen serving line	-	11:17 Am		-	
NBTHS-1-S-120A	7433649	Room 200 RR	-	11:21 Am		-	
NBTHS-1-WC-108A	7433651	hallway to main office left	-	7:55 am		-	
NBTHS-1-BF-03A	7433652	hallway to main office left	-	7:55 am		-	

Field!

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
 ** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible
 FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
 These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

Sampling Date/Time 5/22/22 7:55am

7433650

Sample Log

—Environmental Lead—

Client: Garden State Environmental, Inc. Project: North Brunswick High School (8430)

Sampling Date/Time: 5/22/22 7:55am

Client Sample #	iATL #	Location/Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
NBTHS-1-WC-107A	7433653	hall leading to main office right	-	7:57 9m	10179	-	
NBTHS-1-WC-103A	7433654	outside 103 left	-	7:59 9m		-	
NBTHS-1-WC-104A	7433655	outside 103 right	-	8:00 Am		-	
NBTHS-1-S-106A	7433656	main office kitchen	-	8:05 Am		-	
NBTHS-1-S-132A	7433657	cafe room 201D	-	8:07 Am		-	
NBTHS-1-WC-129A	7433658	201 cafe left	-	8:09 Am		-	
NBTHS-1-WC-126A	7433659	hall outside 206 left	-	8:13 Am		-	
NBTHS-1-WC-127A	7433660	hall outside 206 right	-	8:13 Am		-	
NBTHS-1-WC-134A	7433661	hall outside 210 / 212	-	8:16 Am		-	
NBTHS-1-BF-04A	7433662	hall outside 210 / 212	-	8:17 Am		-	
NBTHS-1-WC-148A	7433663	hall outside 208 + 230 left	-	8:20 Am		-	
NBTHS-1-WC-149A	7433664	hall outside 208 + 230 right	-	8:20 Am		-	
NBTHS-1-WC-150A	7433665	green room behind stage	-	8:22 Am		-	
NBTHS-1-WC-128A	7433666	room 201 cafe RT.	-	8:26 Am		-	
NBTHS-1-WC-159A	7433667	hall outside 246 left	-	8:28 9m		-	

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

Sample Log

—Environmental Lead—

Client: Garden State Environmental, Inc. Project: North Brunswick High School (8430)

Sampling Date/Time: 5/22/22 7:55am

Client Sample #	iATL #	Location/Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()	
NBTHS-1-WC-160A	7433668	hall outside 246 right	-	8:29 AM	initial	-		
NBTHS-1-S-158A	7433669	room 242	-	8:30 AM		-		
NBTHS-1-WC-156A	7433670	chair room 245 left	-	8:33 AM		-		
NBTHS-1-WC-157A	7433671	chair room 245 right	-	8:33 AM		-		
NBTHS-1-WC-151A	7433672	music hall left	-	8:36 AM		-		
NBTHS-1-WC-152A	7433673	music hall right	-	8:36 AM		-		
NBTHS-1-S-155A	7433674	bandroom 249F	-	8:38 AM		-		
NBTHS-1-WC-153A	7433675	bandroom 249 LT	-	8:40 AM		-		
NBTHS-1-WC-154A	7433676	bandroom 249 right	-	8:40 AM		-		
NBTHS-2-S-251A	7433677	room 719 back	-	8:46 AM		-		
NBTHS-2-B-270A	7433678	outside 804	-	8:49 AM		-		
NBTHS-2-B-304A	7433679	hall outside 805	-	8:51 AM		-		
NBTHS-2-B-218A	7433680	hall outside 801	-	8:54 AM		-		
NBTHS-2-S-214A	7433681	room 711	-	8:58 AM		-		
NBTHS-2-B-207A	7433682	outside room 623	-	9:01 AM		↓	-	

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.

Sample Log

-Environmental Lead -

Client: Garden State Environmental, Inc. Project: North brunswick high school (8430)

Sampling Date/Time: 5/22/22 7:55am

Client Sample #	iATL #	Location/Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()	
MBTHS-2-S-208A	7433683	room 625	-	9:07 9m	initial	-		
MBTHS-2-B-194A	7433684	outside rm. 617	-	9:10 9m	}	-		
MBTHS-2-S-193A	7433685	room 612	-	9:13 9m		-		
MBTHS-2-S-192A	7433686	room 601	-	9:16 9m		-		
MBTHS-2-WC-308A	7433687	outside 872 left	-	9:20 9m		-		
MBTHS-2-WC-309A	7433688	outside 872 right	-	9:21 9m		-		
MBTHS-2-WC-302A	7433689	outside 841 RT.	-	9:23 9m		-		
MBTHS-2-WC-301A	7433690	outside 841 LT.	-	9:24 9m		-		
MBTHS-2-S-320A	7433691	room 840.	-	9:25 9m		-		
MBTHS-2-WC-303A	7433692	outside 849/850 RT.	-	9:28 9m		-		
MBTHS-2-WC-304A	7433693	outside 849/850 LT.	-	9:29 9m		-		
MBTHS-5-22-FBA	7433694	field blank	-			v	-	
	Acidified MS							
	5/25/22 2015							

43
blank!

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
 ** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible
 FB = Method Requires the submittal of blank(s). ML = Multi Layered Sample. May result in inconsistent results.
 These preliminary results are issued by iATL to expedite procedures by clients based upon the above data. iATL assumes that all of the sampling methods and data upon which these results are based, has been accurately supplied by the client. These results may not have been reviewed by the Laboratory Director. Final Certificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NJDEP conditions apply.