

BRIGANTINE PUBLIC SCHOOLS

Passion for Teaching. Passion for Learning.

Home of the Buccaneers

Brian M. Pruitt
Superintendent

301 East Evans Blvd.
Brigantine, NJ 08203

(P) 609.266.7671

(F) 609.266.4748

www.brigantineschools.org

April 13, 2017

Dear Brigantine Elementary 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, Brigantine Public School District tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, Brigantine Elementary School will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 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 Brigantine Public School District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the 74 samples taken, all but eighteen (18) tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 µg/l for lead, the actual lead level, and what temporary remedial action Brigantine Public School District has taken to reduce the levels of lead at these locations.

| | LOCATION | FIRST DRAW RESULT IN µg/l (ppb) | REMEDIAL ACTION |
|---|--|---------------------------------------|---|
| 1 | Room 137 - Right ID# 7-BE-137-DW | 21.4 ppb | -Disconnected outlet and discontinued use -"DO NOT DRINK-SAFE FOR HANDWASHING ONLY" Sign Posted |
| 2 | Nurse Exam Room 134 ID# 10-BE-134-NS | 105.0 ppb | Disconnected outlet and discontinued use |
| 3 | Room 131 - Main Office Work Room ID# 14-BE-131-DW | 36.3 ppb | Disconnected outlet and discontinued use |
| 4 | Room 115 ID# 29-BE-115-DW | 14.6 ppb | Disconnected outlet and discontinued use |

| | LOCATION | FIRST DRAW RESULT IN µg/l (ppb) | REMEDIAL ACTION |
|----|---|---------------------------------------|--|
| 5 | Room 119 ID# 33-BE-119-DW | 16.8 ppb | Disconnected outlet and discontinued use |
| 6 | Room 121 – Teacher's Lounge ID# 37-BE-121-TL | 27.2 ppb | Disconnected outlet and discontinued use |
| 7 | Room 245 ID# 41-BE-245-DW | 54.4 ppb | Disconnected outlet and discontinued use |
| 8 | Room 234 ID# 44-BE-234-DW | 18.7 ppb | Disconnected outlet and discontinued use |
| 9 | Room 214 ID# 48-BE-214-DW | 14.5 ppb | Disconnected outlet and discontinued use |
| 10 | Room 219 ID# 59-BE-219-DW | 16.9 ppb | Disconnected outlet and discontinued use |
| 11 | Room 220 ID# 60-BE-220-DW | 14.5 ppb | Disconnected outlet and discontinued use |
| 12 | Room 223 ID# 63-BE-223-DW | 23.8 ppb | Disconnected outlet and discontinued use |
| 13 | Room 224 – Left ID# 66-BE-224L-DW | 1330.0 ppb | Disconnected outlet and discontinued use |
| 14 | Room 224 – Center ID# 67-BE-224C-DW | 77.0 ppb | Disconnected outlet and discontinued use |
| 15 | Room 224 – Right ID# 68-BE-224R-DW | 21.4 ppb | Disconnected outlet and discontinued use |
| 16 | Room 224 – Teachers ID# 69-BE-224Teach-DW | 43.2 ppb | Disconnected outlet and discontinued use |
| 17 | Room 225 ID# 70-BE-225-DW | 32.0 ppb | Disconnected outlet and discontinued use |
| 18 | Room 226 ID# 71-BE-226-DW | 39.6 ppb | Disconnected outlet and discontinued use |

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 AM and 4:00 PM and are also available on our website at www.brigantineschools.org. For more information about water quality in our schools, contact the Business Administrator's Office at 609.266.3632.

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 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,



Brian M. Pruitt
Superintendent of Schools

CERTIFICATE OF ANALYSIS

Client: Coastal Environmental
721 Flittertown Rd
Hammonton NJ 08037

Report Date: 4/10/2017
Report No.: 533411 - Lead Water
Project: Brigantine Schools; Brigantine Elementary
Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6192380 **Location:**Boiler Rm **Result(ppb):**6.20
ClientNo.:1-BE-POE-DW

Lab No.:6192381 **Location:**162 Maint. Rm **Result(ppb):**2.30
ClientNo.:2-BE-162-DW

Lab No.:6192382 **Location:**146 Kitchen **Result(ppb):**<2.00
ClientNo.:3-BE-146-FP

Lab No.:6192383 **Location:**Gym Hall (L) **Result(ppb):**<2.00
ClientNo.:4-BE-GymL-WC

Lab No.:6192384 **Location:**Gym Hall (R) **Result(ppb):**<2.00
ClientNo.:5-BE-GymR-WC

Lab No.:6192385 **Location:**142 **Result(ppb):**<2.00
ClientNo.:6-BE-142-DW


Lab No.:6192386 **Location:**137 (R) **Result(ppb):**21.4
ClientNo.:7-BE-137-DW


Lab No.:6192387 **Location:**Hall 145 (R) **Result(ppb):**<2.00
ClientNo.:8-BE-Hall145R-WC

Lab No.:6192388 **Location:**Hall 145 (L) **Result(ppb):**<2.00
ClientNo.:9-BE-Hall145L-WC

Lab No.:6192389 **Location:**Nurse 134 Exam **Result(ppb):**105
Client No.:10-BE-134-NS

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

Date Received: 4/3/2017
Date Analyzed: 04/10/2017
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Coastal Environmental
721 Flittertown Rd
Hammonton NJ 08037

Report Date: 4/10/2017
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Project: Brigantine Schools; Brigantine Elementary
Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6192390 **Location:**Nurse 134 (L) **Result(ppb):**5.20
ClientNo.:11-BE-134L-NS

Lab No.:6192391 **Location:**Nurse 134 (R) **Result(ppb):**9.50
ClientNo.:12-BE-134R-NS

Lab No.:6192392 **Location:**Principal's Office **Result(ppb):**2.70
ClientNo.:13-BE-PRIN-DW

Lab No.:6192393 **Location:**131 M.O.W Rm **Result(ppb):**36.3
ClientNo.:14-BE-131-DW

Lab No.:6192394 **Location:**101 **Result(ppb):**<2.00
ClientNo.:15-BE-101-DW

Lab No.:6192395 **Location:**102 **Result(ppb):**<2.00
ClientNo.:16-BE-102-DW


Lab No.:6192396 **Location:**103 **Result(ppb):**<2.00
ClientNo.:17-BE-103-DW

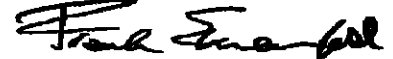
Lab No.:6192397 **Location:**104 **Result(ppb):**2.70
ClientNo.:18-BE-104-DW

Lab No.:6192398 **Location:**105 **Result(ppb):**<2.00
ClientNo.:19-BE-105-DW

Lab No.:6192399 **Location:**106 **Result(ppb):**2.00
Client No.:20-BE-106-DW

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

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721 Flittertown Rd
Hammonton NJ 08037


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Project No.:

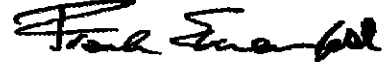
Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

| | | |
|--|-----------------------|-------------------|
| Lab No.:6192400 ClientNo.:21-BE-107-DW | Location: 107 | Result(ppb):<2.00 |
| Lab No.:6192401 ClientNo.:22-BE-110R-WC | Location:Hall 110 (R) | Result(ppb):<2.00 |
| Lab No.:6192402 ClientNo.:23-BE-110L-WC | Location:Hall 110 (L) | Result(ppb):<2.00 |
| Lab No.:6192403 ClientNo.:24-BE-127-DW | Location:127 CSTW Rm | Result(ppb):9.20 |
| Lab No.:6192404 ClientNo.:25-BE-112-DW | Location:112 | Result(ppb):4.00 |
| Lab No.:6192405 ClientNo.:26-BE-129-DW | Location:129 | Result(ppb):5.60 |
| Lab No.:6192406 ClientNo.:27-BE-113-DW | Location:113 | Result(ppb):4.80 |
| Lab No.:6192407 ClientNo.:28-BE-114-DW | Location:114 | Result(ppb):6.60 |
| Lab No.:6192408 ClientNo.:29-BE-115-DW | Location:115 | Result(ppb):14.6 |
| Lab No.:6192409 Client No.:30-BE-116-DW | Location:116 | Result(ppb):13.3 |

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Hammonton NJ 08037

Report Date: 4/10/2017
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Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6192410 **Location:**117 **Result(ppb):**9.30
ClientNo.:31-BE-117-DW

Lab No.:6192411 **Location:**118 **Result(ppb):**7.20
ClientNo.:32-BE-118-DW

Lab No.:6192412 **Location:**119 **Result(ppb):**16.8
ClientNo.:33-BE-119-DW

Lab No.:6192413 **Location:**Hall 119 (L) **Result(ppb):**<2.00
ClientNo.:34-BE-119L-WC

Lab No.:6192414 **Location:**Hall 119 (R) **Result(ppb):**<2.00
ClientNo.:35-BE-119R-WC

Lab No.:6192415 **Location:**120 Teach Lg. **Result(ppb):**5.20
ClientNo.:36-BE-120-TL

Lab No.:6192416 **Location:**121 Teach Lg. **Result(ppb):**27.2
ClientNo.:37-BE-121-TL

Lab No.:6192417 **Location:**Hall 241 (L) **Result(ppb):**<2.00
ClientNo.:38-BE-Hall241L-WC

Lab No.:6192418 **Location:**Hall 241 (R) **Result(ppb):**<2.00
ClientNo.:39-BE-Hall241R-WC

Lab No.:6192419 **Location:**244 **Result(ppb):**10.5
Client No.:40-BE-244-DW

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

Date Received: 4/3/2017

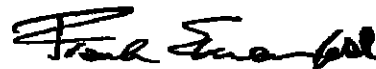
Date Analyzed: 04/10/2017

Signature:



Analyst: Mark Stewart

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

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721 Flittertown Rd
Hammonton NJ 08037

Report Date: 4/10/2017
Report No.: 533411 - Lead Water
Project: Brigantine Schools; Brigantine Elementary
Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6192420 **Location:**245 **Result(ppb):**54.4
ClientNo.:41-BE-245-DW

Lab No.:6192421 **Location:**247 **Result(ppb):**2.00
ClientNo.:42-BE-247-DW

Lab No.:6192422 **Location:**248 **Result(ppb):**2.50
ClientNo.:43-BE-248-DW

Lab No.:6192423 **Location:**234 **Result(ppb):**18.7
ClientNo.:44-BE-234-DW

Lab No.:6192424 **Location:**249 **Result(ppb):**3.00
ClientNo.:45-BE-249-DW

Lab No.:6192425 **Location:**250 **Result(ppb):**<2.00
ClientNo.:46-BE-250-DW

Lab No.:6192426 **Location:**201 **Result(ppb):**11.6
ClientNo.:47-BE-201-DW

Lab No.:6192427 **Location:**214 **Result(ppb):**14.5
ClientNo.:48-BE-214-DW

Lab No.:6192428 **Location:**202 **Result(ppb):**<2.00
ClientNo.:49-BE-202-DW

Lab No.:6192429 **Location:**203 **Result(ppb):**11.1
Client No.:50-BE-203-DW

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

Date Received: 4/3/2017

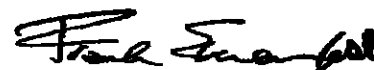
Date Analyzed: 04/10/2017

Signature:

Analyst:


Mark Stewart

Approved By:



Frank E. Ehrenfeld, III
Laboratory Director

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Client: Coastal Environmental
721 Flittertown Rd
Hammonton NJ 08037

Report Date: 4/10/2017
Report No.: 533411 - Lead Water
Project: Brigantine Schools; Brigantine Elementary
Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6192430 **Location:**206 **Result(ppb):**<2.00
ClientNo.:51-BE-208-DW

Lab No.:6192431 **Location:**207 **Result(ppb):**3.90
ClientNo.:52-BE-207-DW

Lab No.:6192432 **Location:**209 **Result(ppb):**8.50
ClientNo.:53-BE-209-DW

Lab No.:6192433 **Location:**208 **Result(ppb):**3.00
ClientNo.:54-BE-208-DW

Lab No.:6192434 **Location:**216 **Result(ppb):**3.80
ClientNo.:55-BE-216-DW

Lab No.:6192435 **Location:**229 **Result(ppb):**<2.00
ClientNo.:56-BE-229-DW


Lab No.:6192436 **Location:**217 **Result(ppb):**3.40
ClientNo.:57-BE-217-DW

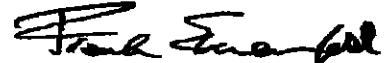
Lab No.:6192437 **Location:**218 **Result(ppb):**4.70
ClientNo.:58-BE-218-DW

Lab No.:6192438 **Location:**219 **Result(ppb):**16.9
ClientNo.:59-BE-219-DW

Lab No.:6192439 **Location:**220 **Result(ppb):**14.5
Client No.:60-BE-220-DW

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6192440 **Location:**221 **Result(ppb):**4.80
ClientNo.:61-BE-221-DW

Lab No.:6192441 **Location:**222 **Result(ppb):**3.60
ClientNo.:62-BE-222-DW

Lab No.:6192442 **Location:**223 **Result(ppb):**23.8
ClientNo.:63-BE-223-DW

Lab No.:6192443 **Location:**Hall 223 (L) **Result(ppb):**<2.00
ClientNo.:64-BE-Hall223L-WC

Lab No.:6192444 **Location:**Hall 223 (R) **Result(ppb):**<2.00
ClientNo.:65-BE-Hall223R-WC

Lab No.:6192445 **Location:**224 (L) **Result(ppb):**1330
ClientNo.:66-BE-224L-DW


Lab No.:6192446 **Location:**224 (C) **Result(ppb):**77.0
ClientNo.:67-BE-224C-DW

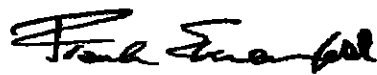
Lab No.:6192447 **Location:**224 (R) **Result(ppb):**21.4
ClientNo.:68-BE-224R-DW

Lab No.:6192448 **Location:**224 Teach **Result(ppb):**43.2
ClientNo.:69-BE-224Teach-DW

Lab No.:6192449 **Location:**225 **Result(ppb):**32.0
Client No.:70-BE-225-DW

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721 Flittertown Rd
Hammonton NJ 08037

Report Date: 4/10/2017
Report No.: 533411 - Lead Water
Project: Brigantine Schools; Brigantine Elementary
Project No.:

Client: COA212

LEAD WATER SAMPLE ANALYSIS SUMMARY


Lab No.:6192450 **Location:**226 **Result(ppb):**39.6
ClientNo.:71-BE-226-DW

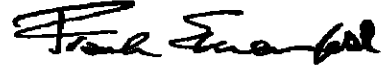
Lab No.:6192451 **Location:**Hall 212 (R) **Result(ppb):**<2.00
ClientNo.:72-BE-212R-WC

Lab No.:6192452 **Location:**Hall 212 (L) **Result(ppb):**<2.00
ClientNo.:73-BE-212L-WC

Lab No.:6192453 **Location:**Blank **Result(ppb):**<2.00
Client No.:ES Blank

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

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Analyst: Mark Stewart

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CERTIFICATE OF ANALYSIS

Client: Coastal Environmental
721 Flittertown Rd
Hammonton NJ 08037

Client: COA212

Report Date: 4/10/2017
Report No.: 533411 - Lead Water
Project: Brigantine Schools; Brigantine Elementary
Project No.:

Appendix to Analytical Report:

Customer Contact: Cathy Ledden

Analysis: AAS-GF - ASTM D3559-08D, USEPA 40CFR 141.11B, 2010

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: cdavis@iatl.com

iATL Account Representative: Shirley Clark

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, USEPA 40CFR 141.11B, 2010

- USEPA 200.9Pb, AAS-GF, RL <2 ppb/sample

- USEPA SW 846-7000B:7421 - Pb(AAS-GF, RL <2 ppb/sample)

Certification:

- NYS-DOH No. 11021

- NJDEP No. 03863

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) = 2.0 PPB

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.

Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.