

## CERTIFICATE OF ANALYSIS

**Client:** Coastal Environmental  
721 Flittertown Rd  
Hammonton NJ 08037

**Report Date:** 5/8/2017  
**Report No.:** 534968 - Lead Water  
**Project:** Brigantine Elem C1; Confirmation 1  
**Project No.:**

**Client:** COA212

### LEAD WATER SAMPLE ANALYSIS SUMMARY

**Lab No.:**6215449                      **Location:**Rm 137-Non Flushed                      **Result(ppb):**27.2  
**Client No.:**1-BE-137R-DW

**Lab No.:**6215450                      **Location:**Rm 137-Flushed                      **Result(ppb):**3.00  
**Client No.:**2-BE-137R-DW

**Lab No.:**6215451                      **Location:**Nurse Exam Rm-Non Flushed                      **Result(ppb):**95.4  
**Client No.:**3-BE-NURSEEXAM-WS

**Lab No.:**6215452                      **Location:**Nurse Exam Rm-Flushed                      **Result(ppb):**11.0  
**Client No.:**4-BE-NURSEEXAM-NS

**Lab No.:**6215453                      **Location:**Mo Rm 131-Non Flushed                      **Result(ppb):**121  
**Client No.:**5-BE-131MO-DW

**Lab No.:**6215454                      **Location:**Mo Rm 131-Flushed                      **Result(ppb):**4.60  
**Client No.:**6-BE-131MO-DW


**Lab No.:**6215455                      **Location:**Rm 115-Non Flushed                      **Result(ppb):**12.6  
**Client No.:**7-BE-115-DW


**Lab No.:**6215456                      **Location:**Rm 115-Flushed                      **Result(ppb):**<2.00  
**Client No.:**8-BE-115-DW

**Lab No.:**6215457                      **Location:**Rm 119-Non Flushed                      **Result(ppb):**17.4  
**Client No.:**9-BE-119-DW

**Lab No.:**6215458                      **Location:**Rm 119-Flushed                      **Result(ppb):**<2.00  
**Client No.:**10-BE-119-DW

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

**Date Received:** 4/19/2017  
**Date Analyzed:** 05/05/2017  
**Signature:**   
**Analyst:** Chad Shaffer

**Approved By:**   
Frank E. Ehrenfeld, III  
Laboratory Director

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<b>Lab No.:</b> 6215459 <b>Client No.:</b> 11-BE-121-TL	<b>Location:</b> Teach Lg 121-Non Flushed	<b>Result(ppb):</b> 73.0
<b>Lab No.:</b> 6215460 <b>Client No.:</b> 12-BE-121-TL	<b>Location:</b> Teach Lg 121-Flushed	<b>Result(ppb):</b> 2.30
<b>Lab No.:</b> 6215461 <b>Client No.:</b> 13-BE-245-DW	<b>Location:</b> Rm 245-Non Flushed	<b>Result(ppb):</b> 111
<b>Lab No.:</b> 6215462 <b>Client No.:</b> 14-BE-245-DW	<b>Location:</b> Rm 245-Flushed	<b>Result(ppb):</b> 19.2
<b>Lab No.:</b> 6215463 <b>Client No.:</b> 15-BE-234-DW	<b>Location:</b> Rm 234-Non Flushed	<b>Result(ppb):</b> 39.2
<b>Lab No.:</b> 6215464 <b>Client No.:</b> 16-BE-234-DW	<b>Location:</b> Rm 234-Flushed	<b>Result(ppb):</b> <2.00
<b>Lab No.:</b> 6215465 <b>Client No.:</b> 17-BE-214-DW	<b>Location:</b> Rm 214-Non Flushed	<b>Result(ppb):</b> 14.9
<b>Lab No.:</b> 6215466 <b>Client No.:</b> 18-BE-214-DW	<b>Location:</b> Rm 214-Flushed	<b>Result(ppb):</b> 3.20
<b>Lab No.:</b> 6215467 <b>Client No.:</b> 19-BE-219-DW	<b>Location:</b> Rm 219-Non Flushed	<b>Result(ppb):</b> 36.9
<b>Lab No.:</b> 6215468 <b>Client No.:</b> 20-BE-219-DW	<b>Location:</b> Rm 219-Flushed	<b>Result(ppb):</b> <2.00

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### LEAD WATER SAMPLE ANALYSIS SUMMARY

**Lab No.:**6215469                      **Location:**Rm 220-Non Flushed                      **Result(ppb):**27.8  
**Client No.:**21-BE-220-DW

**Lab No.:**6215470                      **Location:**Rm 220-Flushed                      **Result(ppb):**17.5  
**Client No.:**22-BE-220-DW

**Lab No.:**6215471                      **Location:**Rm 223-Non Flushed                      **Result(ppb):**1140  
**Client No.:**23-BE-223-DW

**Lab No.:**6215472                      **Location:**Rm 223-Flushed                      **Result(ppb):**7.40  
**Client No.:**24-BE-223-DW

**Lab No.:**6215473                      **Location:**Rm 224L-Non Flushed                      **Result(ppb):**44.9  
**Client No.:**25-BE-224L-DW

**Lab No.:**6215474                      **Location:**Rm 224L-Flushed                      **Result(ppb):**21.0  
**Client No.:**26-BE-224L-DW

**Lab No.:**6215475                      **Location:**Rm 224C-Non Flushed                      **Result(ppb):**30.0  
**Client No.:**27-BE-224C-DW

**Lab No.:**6215476                      **Location:**Rm 224C-Flushed                      **Result(ppb):**8.50  
**Client No.:**28-BE-224C-DW

**Lab No.:**6215477                      **Location:**Rm 224R-Non Flushed                      **Result(ppb):**89.4  
**Client No.:**29-BE-224R-DW

**Lab No.:**6215478                      **Location:**Rm 224R-Flushed                      **Result(ppb):**28.8  
**Client No.:**30-BE-224R-DW

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

**Date Received:** 4/19/2017

**Date Analyzed:** 05/06/2017

**Signature:** 

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**Approved By:** 

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Laboratory Director

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### LEAD WATER SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 6215479 <b>Client No.:</b> 31-BE-224T-DW	<b>Location:</b> Rm 224T-Non Flushed	<b>Result(ppb):</b> 19.4
<b>Lab No.:</b> 6215480 <b>Client No.:</b> 32-BE-224T-DW	<b>Location:</b> Rm 224T-Flushed	<b>Result(ppb):</b> <2.00
<b>Lab No.:</b> 6215481 <b>Client No.:</b> 33-BE-225-DW	<b>Location:</b> Rm 225-Non Flushed	<b>Result(ppb):</b> 32.6
<b>Lab No.:</b> 6215482 <b>Client No.:</b> 34-BE-225-DW	<b>Location:</b> Rm 225-Flushed	<b>Result(ppb):</b> <2.00
<b>Lab No.:</b> 6215483 <b>Client No.:</b> 35-BE-226-DW	<b>Location:</b> Rm 226-Non Flushed	<b>Result(ppb):</b> 27.2
<b>Lab No.:</b> 6215484 <b>Client No.:</b> 36-BE-226-DW	<b>Location:</b> Rm 226-Flushed	<b>Result(ppb):</b> 2.20

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### 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](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.

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#### 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](mailto:customerservice@iatl.com).

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