

APPENDIX I

LABORATORY ANALYTICAL DATA



9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc.
1805 Atlantic Avenue
Manasquan NJ 08736

Report Date: 6/17/2016
Report No.: 511428 - Lead Water
Project: Cape May Campus
Project No.: 14BR141H

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5949214 Location: Kitchen Slop Sink FD, 6-4-16 Result(ppb): <2.0
Client No.: CM-09A

Lab No.: 5949215 Location: Kitchen Slop Sink FL, 6-4-16 Result(ppb): <2.0
Client No.: CM-09B

Lab No.: 5949216 Location: Staff Faculty Bathroom Sink FD, 6-4-16 Result(ppb): <2.0
Client No.: CM-10A

Lab No.: 5949217 Location: Staff Faculty Bathroom Sink FL, 6-4-16 Result(ppb): <2.0
Client No.: CM-10B

Lab No.: 5949218 Location: Lobby Bathroom Sink FD, 6-4-16 Result(ppb): <2.0
Client No.: CM-11A

Lab No.: 5949219 Location: Lobby Bathroom Sink FL, 6-4-16 Result(ppb): <2.0
Client No.: CM-11B

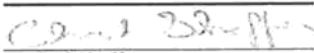
Lab No.: 5949220 Location: Infant Nursery Bathroom Sink FD, 6-4-16 Result(ppb): <2.0
Client No.: CM-12A

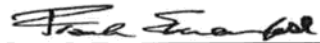
Lab No.: 5949221 Location: Infant Nursery Bathroom Sink FL, 6-4-16 Result(ppb): <2.0
Client No.: CM-12B

Lab No.: 5949222 Location: Toddler Nursery Bathroom Sink FD, 6-4-16 Result(ppb): 2.1
Client No.: CM-13A

Lab No.: 5949223 Location: Toddler Nursery Bathroom Sink FL, 6-4-16 Result(ppb): <2.0
Client No.: CM-13B

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

Date Received: 6/7/2016
Date Analyzed: 6/17/2016 12:00:00 AM
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



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Project No.: 14BR141H

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5949224 Location: Room 107-Men's Bathroom Sink FD, Result(ppb): <2.0
Client No.: CM-14A 6-4-16

Lab No.: 5949225 Location: Room 107-Men's Bathroom Sink FL, 6 Result(ppb): <2.0
Client No.: CM-14B -4-16

Lab No.: 5949226 Location: Room 107-Women's Bathroom Sink Result(ppb): <2.0
Client No.: CM-15A FD, 6-4-16

Lab No.: 5949227 Location: Room 107-Women's Bathroom Sink Result(ppb): <2.0
Client No.: CM-15B FL, 6-4-16

Lab No.: 5949228 Location: Room 108-Women's Bathroom Sink Result(ppb): <2.0
Client No.: CM-16A FD, 6-4-16

Lab No.: 5949229 Location: Room 108-Women's Bathroom Sink Result(ppb): <2.0
Client No.: CM-16B FL, 6-4-16

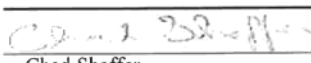
Lab No.: 5949230 Location: Room 108-Men's Bathroom Sink FD, Result(ppb): 7.6
Client No.: CM-17A 6-4-16

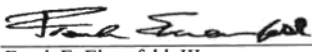
Lab No.: 5949231 Location: Room 108-Men's Bathroom Sink FL, 6 Result(ppb): <2.0
Client No.: CM-17B -4-16

Lab No.: 5949232 Location: Room 111-Men's Bathroom Sink FD, Result(ppb): 3.1
Client No.: CM-18A 6-4-16

Lab No.: 5949233 Location: Room 111-Men's Bathroom Sink FL, 6 Result(ppb): 2.8
Client No.: CM-18B -4-16

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

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Date Analyzed: 6/17/2016 12:00:00 AM
Signature: 
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Report Date: 6/17/2016
Report No.: 511428 - Lead Water
Project: Cape May Campus
Project No.: 14BR141H

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5949234 Client No.: CM-19A	Location: Room 111-Women's Bathroom Sink FD, 6-4-16	Result(ppb): 2.0
Lab No.: 5949235 Client No.: CM-19B	Location: Room 111-Women's Bathroom Sink FL, 6-4-16	Result(ppb): <2.0
Lab No.: 5949236 Client No.: CM-20A	Location: Room 112-Women's Bathroom Sink FD, 6-4-16	Result(ppb): <2.0
Lab No.: 5949237 Client No.: CM-20B	Location: Room 112-Women's Bathroom Sink FL, 6-4-16	Result(ppb): <2.0
Lab No.: 5949238 Client No.: CM-21A	Location: Room 112-Men's Bathroom Sink FD, 6-4-16	Result(ppb): 2.6
Lab No.: 5949239 Client No.: CM-21B	Location: Room 112-Men's Bathroom Sink FL, 6 -4-16	Result(ppb): <2.0
Lab No.: 5949240 Client No.: CM-22A	Location: Room 115-Men's Bathroom Sink FD, 6-4-16	Result(ppb): <2.0
Lab No.: 5949241 Client No.: CM-22B	Location: Room 115-Men's Bathroom Sink FL, 6 -4-16	Result(ppb): <2.0
Lab No.: 5949242 Client No.: CM-23A	Location: Room 115-Women's Bathroom Sink FD, 6-4-16	Result(ppb): 3.1
Lab No.: 5949243 Client No.: CM-23B	Location: Room 115-Women's Bathroom Sink FL, 6-4-16	Result(ppb): <2.0

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

Date Received: 6/7/2016
Date Analyzed: 6/17/2016 12:00:00 AM
Signature:
Analyst: Chad Shaffer

Approved By:
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Client: Brinkerhoff Environmental Services Inc.
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Report Date: 6/17/2016
Report No.: 511428 - Lead Water
Project: Cape May Campus
Project No.: 14BR141H

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5949244
Client No.: CM-24A

Location: Janitor's Closet Sink FD, 6-4-16

Result(ppb): 4.8

Lab No.: 5949245
Client No.: CM-24B

Location: Janitor's Closet Sink FL, 6-4-16


Result(ppb): <2.0


Lab No.: 5949246
Client No.: CM-25

Location: Field Blank, 6-4-16

Result(ppb): <2.0

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

Date Received: 6/7/2016
Date Analyzed: 6/17/2016 12:00:00 AM
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



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CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc. 1805 Atlantic Avenue Manasquan NJ 08736	Report Date: 6/17/2016 Report No.: 511428 - Lead Water Project: Cape May Campus Project No.: 14BR141H
Client: BRI493	

Appendix to Analytical Report:

Customer: Brinkerhoff Environmental Services Inc.
Address: 1805 Atlantic Avenue
Customer Contact: Jason Hooper
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: Pete Lesniak
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.

Dated : 6/20/2016 7:43:20

Page 5 of 5



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

Chain of Custody

Contact Information

Client Company: Brinkerhoff Environmental Services
Office Address: 1805 Atlantic Avenue
City, State, Zip: Manasquan, NJ 08736
Fax Number: 732-223-3666
Email Address: Hazmat Group

Project Number: 14BR141H
Project Name: Cape May Campus
Primary Contact: Gary Fleming
Office Phone: 732-223-2225
Cell Phone: _____

Matrix:

Air ☐
Water ☒

Soil ☐
Paint ☐

Bulk ☐
Surface Dust / Wipe ☐

Other ☐

Analysis Method:

☐ PCM: NIOSH 7400
☐ PCM: OSHA
☐ PCM: TWA

☐ Total Dust: NIOSH 0500
☐ Total Dust: NIOSH 0600

☐ AAS: Lead in Air
☒ AAS: Lead in Water
☐ AAS: Lead in Paint
☐ AAS: Lead Dust/Wipe
☐ AAS: Lead in Soil
☐ AAS: TCLP
☐ AAS: Metals [Cd, Zn, Cr-circle]

PLM Use Bulk Asbestos Sample Log

☐ PLM: Bulk Asbestos EPA 600
☐ PLM: Point Counting 198.1
☐ PLM: NOB via 198.6 (PLM only)
☐ If <1% by PLM, to TEM via 198.4

IAQ Use Mold Sample Log

☐ IAQ: I Bioaerosol Fungal Spore Trap
☐ IAQ: II Bioaerosol Fungal Spore
☐ IAQ: Tape, Bulk, Misc. Qualitative
☐ IAQ: Tape, Bulk, Misc. Quantitative
☐ IAQ: Other Culturable ID₂

☐ TEM: AHERA
☐ TEM: NIOSH 7402
☐ TEM: ISO 10312
☐ TEM: ISO 13794
☐ TEM: Wipe ASTM 6480
☐ TEM: Microvac ASTM D5755
☐ TEM: Microvac ASTM D5756
☐ TEM: NOB 198.4
☐ TEM: Bulk Analysis
☐ TEM: Potable Water
☐ TEM: Non-Potable Water
☐ TEM: Other
☐ Soil: Call for Available Methods

1- Requires ASTM acceptable material 2- Call to confirm TAT 3- Non-culturable 4- With Non-fungal Microscopic Exam

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***

Shipping Method

☐ FedEx ☐ UPS ☐ USPS ☐ Other

Chain of Custody

Relinquished (Name/Organization): Matthew Mantley
Received (Name / iATL): _____
Sample Login (Name / iATL): _____
Analyst (Name(s) / iATL): 6/17/16 ML
QA/QC Review (Name / iATL): _____
Archived / Released: _____

Date: 6/8/16
Date: 6/8/16
Date: 6/17/16
Date: _____

Time: UPS-Ground
Time: JUN - 7 2016
Time: _____
Time: _____

Sample Log

—Environmental Lead—

Client: Brinkerhoff Environmental Services Project: 14BR141H

Sampling Date/Time: 6/4/16

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft ²) Volume (L)	Results ()
CM-09A	5949214	Kitchen Slop Sink FD			11:05am		
CM-09B	5949215	Kitchen Sbp Sink FL			11:05am		
CM-10A	5949216	Staff Faculty Bathroom Sink FD			11:12am		
CM-10B	5949217	Staff Faculty Bathroom Sink FL			11:13am		
CM-11A	5949218	Lobby Bathroom Sink FD			11:17am		
CM-11B	5949219	Lobby Bathroom Sink FL			11:18am		
CM-12A	5949220	Infant Nursery Bathroom Sink FD			11:26am		
CM-12B	5949221	Infant Nursery Bathroom Sink FL			11:26am		
CM-13A	5949222	Toddler Nursery Bathroom Sink FD			11:31am		
CM-13B	5949223	Toddler Nursery Bathroom Sink FL			11:31am		
CM-14A	5949224	Room 107-Mens Bathroom Sink FD			11:44am		
CM-14B	5949225	Room 107-Mens Bathroom Sink FL			11:45am		
CM-15A	5949226	Room 107-Women's Bathroom Sink FD			11:47am		
CM-15B	5949227	Room 107-Women's Bathroom Sink FL			11:47am		
CM-16A	5949228	Room 108-Women's Bathroom Sink FD			11:58 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: Brinkerhoff Environmental Services Project: 14BR141H

Sampling Date/Time: 6/4/16

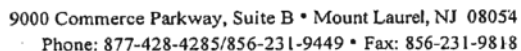
Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
CM-16B	5949229	Room 108-Women's Bathroom Sink FL			11:58 am		
CM-17A	5949230	Room 108-Men's Bathroom Sink FD			12:00 pm		
CM-17B	5949231	Room 108-Men's Bathroom Sink FL			12:00 pm		
CM-18A	5949232	Room 111-Men's Bathroom Sink FD			12:10pm		
CM-18B	5949233	Room 111-Men's Bathroom Sink FL			12:10pm		
CM-19A	5949234	Room 111-Women's Bathroom Sink FD			12:12pm		
CM-19B	5949235	Room 111-Women's Bathroom Sink FL			12:12pm		
CM-20A	5949236	Room 112-Women's Bathroom Sink FD			12:20pm		
CM-20B	5949237	Room 112-Women's Bathroom Sink FL			12:20pm		
CM-21A	5949238	Room 112-Men's Bathroom Sink FD			12:22 pm		
CM-21B	5949239	Room 112-Men's Bathroom Sink FL			12:22 pm		
CM-22A	5949240	Room 115-Men's Bathroom Sink FD			12:34 pm		
CM-22B	5949241	Room 115-Men's Bathroom Sink FL			12:34 pm		
CM-23A	5949242	Room 115-Women's Bathroom Sink FD			12:36 pm		
CM-23B	5949243	Room 115-Women's Bathroom Sink FL			12:36 pm		

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

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-Environmental Lead -

Sampling Date/Time: 6/4/16

* = Insufficient Sample Provided to Perform QC Reanalysis (<200mg)
 ** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible
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International Asbestos
Testing Laboratories

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Telephone: 856-231-9449 Fax: 856-231-9818

INFO@IATL.COM

DAILY QUALITY CONTROL DATA

LEAD SAMPLE ANALYSIS

(DATE: 06 / 17 / 16)

Standard	Total Lead (mg)	Percent Recovery **
Reagent Blank	0.000	< LOQ
Blank Spike	0.500	102
Lab Control Std	1.220	98
Matrix Spike - LBP *	0.45	96
Matrix Spike - Wipe *	0.33	103
Matrix Spike - Soil *	0.332	95
Matrix spike - Air *		
2.5 ppm Standard	0.25	95
10.0 ppm Standard	1.0	101
40.0 ppm Standard	4.0	98

AIHA-LAP, LLC No. 100188

NYSDOH-ELAP No. 11021

Analysis Method: ASTM D3335-85A
NIOSH 7082
EPA SW846 3050B 7000B

Comments: IATL assumes that all sampling complies with accepted methods.
All client supplied sampling data is assumed to be correct when calculating results.
Detection limit based upon 0.2 mg/L reporting limit and sample size.
* NIST Traceable.
** 80-120% acceptable limits.

Analyzed By: Chad Shaffer
R. Chad Shaffer
Date: 6/17/16

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