

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: 6/15/2016
Report No.: 511431 - Lead Water
Project: Mercer Campus
Project No.: 14BR141P

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5949332 Location: Lobby Bathroom/FD, 6-4-16 Result(ppb): <2.0
Client No.: MR-10A

Lab No.: 5949333 Location: Lobby Bathroom/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-10B

Lab No.: 5949334 Location: Kitchen/FD, 6-4-16 Result(ppb): <2.0
Client No.: MR-11A

Lab No.: 5949335 Location: Kitchen/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-11B

Lab No.: 5949336 Location: Break Room Bathroom Left Side/FD, 6-4-16 Result(ppb): 2.3
Client No.: MR-12A

Lab No.: 5949337 Location: Break Room Bathroom Left Side/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-12B

Lab No.: 5949338 Location: Break Room Bathroom Right Side/FD, 6-4-16 Result(ppb): 13
Client No.: MR-13A

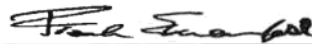
Lab No.: 5949339 Location: Break Room Bathroom Right Side/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-13B

Lab No.: 5949340 Location: Room 108/FD, 6-4-16 Result(ppb): 4.8
Client No.: MR-14A

Lab No.: 5949341 Location: Room 108/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-14B

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

Date Received: 6/7/2016
Date Analyzed: 6/15/2016 12:00:00 AM
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



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
Client: BRI493

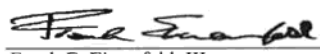
Report Date: 6/15/2016
Report No.: 511431 - Lead Water
Project: Mercer Campus
Project No.: 14BR141P

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5949342 Client No.:MR-15A	Location:Room 105/FD, 6-4-16	Result(ppb):2.7
Lab No.:5949343 Client No.:MR-15B	Location:Room 105/FL, 6-4-16	Result(ppb):<2.0
Lab No.:5949344 Client No.:MR-16A	Location:Room 109/FD, 6-4-16	Result(ppb):<2.0
Lab No.:5949345 Client No.:MR-16B	Location:Room 109/FL, 6-4-16	Result(ppb):<2.0
Lab No.:5949346 Client No.:MR-17A	Location:Room 110/FD, 6-4-16	Result(ppb):<2.0
Lab No.:5949347 Client No.:MR-17B	Location:Room 110/FL, 6-4-16	Result(ppb):<2.0
Lab No.:5949348 Client No.:MR-18A	Location:Room 104 Girl's Room/FD, 6-4-16	Result(ppb):5.8
Lab No.:5949349 Client No.:MR-18B	Location:Room 104 Girl's Room/FL, 6-4-16	Result(ppb):<2.0
Lab No.:5949350 Client No.:MR-19A	Location:Room 104 Kitchen/FD, 6-4-16	Result(ppb):<2.0
Lab No.:5949351 Client No.:MR-19B	Location:Room 104 Kitchen/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: 6/15/2016 12:00:00 AM
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



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: 6/15/2016
Report No.: 511431 - Lead Water
Project: Mercer Campus
Project No.: 14BR141P

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5949352 Location: Room 104 Boy's Room/FD, 6-4-16 Result(ppb): 5.1
Client No.: MR-20A

Lab No.: 5949353 Location: Room 104 Boy's Room/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-20B

Lab No.: 5949354 Location: Room 103 Kitchen/FD, 6-4-16 Result(ppb): 6.1
Client No.: MR-21A

Lab No.: 5949355 Location: Room 103 Kitchen/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-21B

Lab No.: 5949356 Location: Room 103 Girl's Room/FD, 6-4-16 Result(ppb): 14
Client No.: MR-22A

Lab No.: 5949357 Location: Room 103 Girl's Room/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-22B

Lab No.: 5949358 Location: Room 101 Bathroom Left/FD, 6-4-16 Result(ppb): 2.7
Client No.: MR-23A

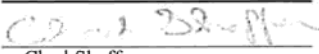
Lab No.: 5949359 Location: Room 101 Bathroom Left/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-23B

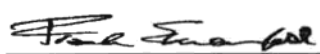
Lab No.: 5949360 Location: Room 101 Kitchen/FD, 6-4-16 Result(ppb): 4.6
Client No.: MR-24A

Lab No.: 5949361 Location: Room 101 Kitchen/FL, 6-4-16 Result(ppb): <2.0
Client No.: MR-24B

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

Date Received: 6/7/2016
Date Analyzed: 6/15/2016 12:00:00 AM

Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



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: 6/15/2016
Report No.: 511431 - Lead Water
Project: Mercer Campus
Project No.: 14BR141P

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5949362 Location:Room 102 Kitchen/FD, 6-4-16 Result(ppb):3.3
Client No.:MR-25A

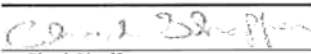
Lab No.:5949363 Location:Room 102 Kitchen/FL, 6-4-16 Result(ppb):<2.0
Client No.:MR-25B

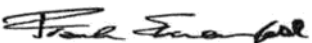
Lab No.:5949364 Location:Room 102 Bathroom/FD, 6-4-16 Result(ppb):26
Client No.:MR-26A

Lab No.:5949365 Location:Room 102 Bathroom/FL, 6-4-16 Result(ppb):<2.0
Client No.:MR-26B

Lab No.:5949366 Location:Field Blank, 6-4-16 Result(ppb):<2.0
Client No.:MR-27

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

Date Received: 6/7/2016
Date Analyzed: 6/15/2016 12:00:00 AM
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



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: 6/15/2016
Report No.: 511431 - Lead Water
Project: Mercer Campus
Project No.: 14BR141P

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 : 6/17/2016 8:03:46

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 (BES)
Office Address: 1805 ATLANTIC AVENUE
City, State, Zip: MANASSQUAN, NJ 08736
Fax Number: _____
Email Address: JSERIO@BRINKENJ.COM

Project Number: 14BR141P
Project Name: MERCER CAMPUS
Primary Contact: JOE SERIO
Office Phone: (732) 223-2225
Cell Phone: (908) 330-8560

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 2

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): JOE SERIO
Received (Name / iATL): _____
Sample Login (Name / iATL): _____
Analyst (Name(s) / iATL): _____
QA/QC Review (Name / iATL): ML
Archived / Released: _____

Date: 06/04/2016
Date: 6/5/16
Date: 6/13/16
Date: _____

Time: _____
Time: _____
Time: JUN - 7 2016
Time: _____

Celebrating 25 years...one sample at a time
www.iatl.com

Sample Log

—Environmental Lead—

Client: BRINKERHOFF (BES) Project: 14BR141P - MERCER CAMPUS

Sampling Date/Time: JUNE 4, 2016

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
MR-10A	5949332	LOBBY BATHROOM / FD			0755	250 mL	
MR-10B	5949333	" / FL			0755		
MR-11A	5949334	KITCHEN / FD			0800		
MR-11B	5949335	" / FL			0800		
MR-12A	5949336	BREAK ROOM BATHROOM LEFT SIDE / FD			0807		
MR-12B	5949337	" / FL			0807		
MR-13A	5949338	BREAK ROOM BATHROOM RIGHT SIDE / FD			0811		
MR-13B	5949339	" / FL			0811		
MR-14A	5949340	Room 108 / FD			0813		
MR-14B	5949341	" / FL			0813		
MR-15A	5949342	Room 105 / FD			0815		
MR-15B	5949343	" / FL			0815		
MR-16A	5949344	Room 109 / FD			0819		
MR-16B	5949345	" / FL			0819		

* = 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.

Celebrating 25 years...one sample at a time
www.iatl.com


Submit Form

- 2 -

2 of 4

Sample Log

—Environmental Lead—

Client: BRINKERHOFF (BES) Project: 14BR141P - MERCER CAMPUS

Sampling Date/Time: JUNE 4, 2016

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
MR-17A	5949346	Room 110 / FD			0822	250mL	
MR-17B	5949347	" / FL			0822		
* MR-18A	5949348	Room 104 GIRLS ROOM / FD			0824		
* MR-18B	5949349	" / FL			0824		
MR-19A	5949350	Room 104 KITCHEN / FD			0828		
MR-19B	5949351	" / FL			0828		
MR-20A	5949352	Room 104 BOYS ROOM / FD			0831		
MR-20B	5949353	" / FL			0831		
MR-21A	5949354	Room 103 KITCHEN / FD			0835		
MR-21B	5949355	" / FL			0835		
MR-22A	5949356	Room 103 GIRLS ROOM / FD			0837		
MR-22B	5949357	" / FL			0837		
MR-23A	5949358	Room 101 BATHROOM LEFT / FD			0842		
MR-23B	5949359	" / FL			0842		

* = 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.

Celebrating 25 years...one sample at a time
www.iatl.com

 **iATL**
INTERNATIONAL

Submit Form

- 2 -

RETEST
YES NOTES ONLY)

3 of 4

