

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: 6/22/2016
Report No.: 512202 - Lead Water
Project: Cumberland Campus
Project No.: 14BR141K

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5957403 **Location:** Lobby Bathroom/FD, 6-11-16 **Result(ppb):** <2.0
Client No.: CU-08A

Lab No.: 5957404 **Location:** Lobby Bathroom/FL, 6-11-16 **Result(ppb):** <2.0
Client No.: CU-08B

Lab No.: 5957405 **Location:** Staff Room Bathroom/FD, 6-11-16 **Result(ppb):** <2.0
Client No.: CU-09A

Lab No.: 5957406 **Location:** Staff Room Bathroom/FL, 6-11-16 **Result(ppb):** <2.0
Client No.: CU-09B

Lab No.: 5957407 **Location:** Room 107 Boy's Room/FD, 6-11-16 **Result(ppb):** 10
Client No.: CU-10A

Lab No.: 5957408 **Location:** Room 107 Boy's Room/FL, 6-11-16 **Result(ppb):** <2.0
Client No.: CU-10B


Lab No.: 5957409 **Location:** Room 107 Girl's Room/FD, 6-11-16 **Result(ppb):** 4.1
Client No.: CU-11A

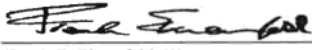
Lab No.: 5957410 **Location:** Room 107 Girl's Room/FL, 6-11-16 **Result(ppb):** <2.0
Client No.: CU-11B

Lab No.: 5957411 **Location:** Room 108 Kitchen Sink/FD, 6-11-16 **Result(ppb):** <2.0
Client No.: CU-12A

Lab No.: 5957412 **Location:** Room 108 Kitchen Sink/FL, 6-11-16 **Result(ppb):** <2.0
Client No.: CU-12B

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

Date Received: 6/15/2016
Date Analyzed: 6/22/2016 12:00:00 AM
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director



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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5957413 **Location:**Room 108 Kitchen Bathroom/FD, 6-11-16 **Result(ppb):**89
Client No.:CU-13A

Lab No.:5957414 **Location:**Room 108 Kitchen Bathroom/FL, 6-11-16 **Result(ppb):**Sample Not Received
Client No.:CU-13B

Lab No.:5957415 **Location:**Room 115 Boy's Room/FD, 6-11-16 **Result(ppb):**53
Client No.:CU-14A

Lab No.:5957416 **Location:**Room 115 Boy's Room/FL, 6-11-16 **Result(ppb):**3.9
Client No.:CU-14B

Lab No.:5957417 **Location:**Room 115 Girl's Room/FD, 6-11-16 **Result(ppb):**37
Client No.:CU-15A

Lab No.:5957418 **Location:**Room 115 Girl's Room/FL, 6-11-16 **Result(ppb):**<2.0
Client No.:CU-15B

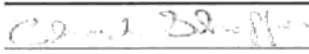
Lab No.:5957419 **Location:**Room 112 Boy's Room/FD, 6-11-16 **Result(ppb):**110
Client No.:CU-16A

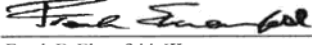
Lab No.:5957420 **Location:**Room 112 Boy's Room/FL, 6-11-16 **Result(ppb):**3.5
Client No.:CU-16B

Lab No.:5957421 **Location:**Room 112 Girl's Room/FD, 6-11-16 **Result(ppb):**<2.0
Client No.:CU-17A

Lab No.:5957422 **Location:**Room 112 Girl's Room/FL, 6-11-16 **Result(ppb):**<2.0
Client No.:CU-17B

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

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Project No.: 14BR141K

Client: BRI493

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5957423
Client No.: CU-18A

Location: Room 111 Boy's Room/FD, 6-11-16

Result(ppb): 13

Lab No.: 5957424
Client No.: CU-18B

Location: Room 111 Boy's Room/FL, 6-11-16

Result(ppb): <2.0

Lab No.: 5957425
Client No.: CU-19A

Location: Room 111 Girl's Room/FD, 6-11-16

Result(ppb): 44

Lab No.: 5957426
Client No.: CU-19B

Location: Room 111 Girl's Room/FL, 6-11-16


Result(ppb): <2.0

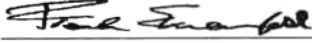
Lab No.: 5957427
Client No.: CU-20

Location: Field Blank, 6-11-16

Result(ppb): <2.0

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

Date Received: 6/15/2016
Date Analyzed: 6/22/2016 12:00:00 AM
Signature: 
Analyst: Chad Shaffer

Approved By: 
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Client: BRI493

Appendix to Analytical Report:

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: edavis@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.

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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.

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



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)	Project Number: 14BR141K
Office Address: 1805 ATLANTIC AVENUE	Project Name: CUMBERLAND CAMPUS
City, State, Zip: MANASQUAN, NEW JERSEY	Primary Contact: JOE SERIO
Fax Number: 732.223.3666	Office Phone: 732.223.2225
Email Address: JSERIO@BRINKENV.COM	Cell Phone: 908.330.8560

Matrix:	
Air <input type="checkbox"/>	Soil <input type="checkbox"/>
Water <input checked="" type="checkbox"/>	Paint <input type="checkbox"/>
	Bulk <input type="checkbox"/>
	Surface Dust / Wipe <input type="checkbox"/>
	Other <input type="checkbox"/>
Analysis Method:	
<input type="checkbox"/> PCM: NIOSH 7400	<input type="checkbox"/> PLM Use Bulk Asbestos Sample Log
<input type="checkbox"/> PCM: OSHA	<input type="checkbox"/> PLM: Bulk Asbestos EPA 600
<input type="checkbox"/> PCM: TWA	<input type="checkbox"/> PLM: Point Counting 198.1
<input type="checkbox"/> Total Dust: NIOSH 0500	<input type="checkbox"/> PLM: NOB via 198.6 (PLM only)
<input type="checkbox"/> Total Dust: NIOSH 0600	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 2
<input type="checkbox"/> AAS: Lead in Air	IAQ Use Mold Sample Log
<input checked="" type="checkbox"/> AAS: Lead in Water	<input type="checkbox"/> IAQ: I Bioaerosol Fungal Spore Trap ₃
<input type="checkbox"/> AAS: Lead in Paint	<input type="checkbox"/> IAQ: II Bioaerosol Fungal Spore
<input type="checkbox"/> AAS: Lead Dust/Wipe ₁	<input type="checkbox"/> IAQ: Tape, Bulk, Misc. Qualitative ₃
<input type="checkbox"/> AAS: Lead in Soil	<input type="checkbox"/> IAQ: Tape, Bulk, Misc. Quantitative ₃
<input type="checkbox"/> AAS: TCLP	<input type="checkbox"/> IAQ: Other Culturable ID ₂
<input type="checkbox"/> AAS: Metals [Cd, Zn, Cr-circle]	<input type="checkbox"/> TEM: AHERA
	<input type="checkbox"/> TEM: NIOSH 7402
	<input type="checkbox"/> TEM: ISO 10312
	<input type="checkbox"/> TEM: ISO 13794
	<input type="checkbox"/> TEM: Wipe ASTM 6480
	<input type="checkbox"/> TEM: Microvac ASTM D5755
	<input type="checkbox"/> TEM: Microvac ASTM D5756
	<input type="checkbox"/> TEM: NOB 198.4
	<input type="checkbox"/> TEM: Bulk Analysis
	<input type="checkbox"/> TEM: Potable Water
	<input type="checkbox"/> TEM: Non-Potable Water
	<input type="checkbox"/> TEM: Other
	<input type="checkbox"/> Soil: Call for Available Methods
Special Instructions:	
1- Requires ASTM acceptable material 2- Call to confirm TAT 3- Non-culturable 4- With Non-fungal Microscopic Exam	

Turnaround Time	
Preliminary Results Requested Date: _____	<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
Specific date / time	
<input type="checkbox"/> 10 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 1 Day* <input type="checkbox"/> 12 Hour** <input type="checkbox"/> 6 Hour** <input type="checkbox"/> RUSH**	
* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***	

Shipping Method	
<input type="checkbox"/> FedEx	<input type="checkbox"/> UPS
<input type="checkbox"/> USPS	<input type="checkbox"/> Other _____

Chain of Custody	
Relinquished (Name/Organization): <u>JOE SERIO</u>	Date: <u>06/11/2016</u>
Received (Name / iATL): _____	Date: _____
Sample Login (Name / iATL): _____	Date: <u>6/11/16</u>
Analyst (Name(s) / iATL): <u>ML</u>	Date: <u>6/12/16</u>
QA/QC Review (Name / iATL): _____	Date: _____
Archived / Released: _____	Date: _____
QA/QC InterLAB Use: _____	Date: _____
	Time: <u>03:15</u>
	Time: _____
	Time: _____
	Time: <u>JUN 15 2016</u>

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

IATL - 5/1
 -1-

Sample Log

—Environmental Lead—

Client: BANKERHOFF (BES) Project: 14 BRITIK - CUMBERLAND CAMPUS

Sampling Date/Time: JUNE 11, 2016

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
CU-08A	5957403	LOBBY BATHROOM / FD			0810	250 mL	
CU-08B	5957404	" / FL			0810		
CU-09A	5957405	STAFF ROOM BATHROOM / FD			0817		
CU-09B	5957406	" / FL			0817		
CU-10A	5957407	ROOM 107 BOYS ROOM / FD			0821		
CU-10B	5957408	" / FL			0821		
CU-11A	5957409	ROOM 107 GIRLS ROOM / FD			0824		
CU-11B	5957410	" / FL			0824		
CU-12A	5957411	ROOM 108 KITCHEN SINK / FD			0828		
CU-12B	5957412	" / FL			0828		
CU-13A	5957413	ROOM 108 BATHROOM / FD			0831		
CU-13B	5957414	" / FL			0831		NOT RECEIVED iATL 5957414
CU-14A	5957415	ROOM 115 BOYS ROOM / FD			0835		
CU-14B	5957416	" / FL			0835		

* = 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.

