



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.

Report Date: 6/15/2016 Report No.:

511426 - Lead Water

1805 Atlantic Avenue Manasquan NJ 08736

Project:

**Burlington Campus** 

Client: BRI493

Project No.: 14BR141G

### LEAD WATER SAMPLE ANALYSIS SUMMARY

Location: Room 102 Staff Bathroom/FD, 6-4-16 Result(ppb): 4.4 Lab No.: 5949313 Client No.: BU-10A Location: Room 102 Staff Bathroom/FL, 6-4-16 Result(ppb): <2.0 Lab No.: 5949314 Client No.: BU-10B Location: Room 107 Bathroom/FD, 6-4-16 Result(ppb):3.5 Lab No.: 5949315 Client No.: BU-11A Lab No.: 5949316 Location: Room 107 Bathroom/FL, 6-4-16 Result(ppb):<2.0 Client No.: BU-11B Location: Food Services Left Side/FD, 6-4-16 Result(ppb): 2.4 Lab No.: 5949317 Client No.: BU-12A Lab No.: 5949318 Location: Food Services Left Side/FL, 6-4-16 Result(ppb):<2.0 Client No.: BU-12B Location: Staff Room Bathroom/FD, 6-4-16 Result(ppb): 2.2 Lab No.: 5949319 Client No.:BU-13A Location: Staff Room Bathroom/FL, 6-4-16 Result(ppb):<2.0 Lab No.: 5949320 Client No.: BU-13B Lab No.: 5949321 Location: Room 115 Left Side Bathroom/FD, 6- Result(ppb): 8.8 Client No.: BU-14A Location: Room 115 Left Side Bathroom/FL, 6-4 Result(ppb): 2.0 Lab No.: 5949322 Client No.: BU-14B -16

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:

0......1.

Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 6/17/2016 7:54:19

Page 1 of 3



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Client: Brinkerhoff Environmental Services Inc.

Report Date: 6/15/2016

1805 Atlantic Avenue

Report No.:

511426 - Lead Water

Manasquan NJ 08736

Project:

**Burlington Campus** 

Client: BRI493

14BR141G Project No.:

### LEAD WATER SAMPLE ANALYSIS SUMMARY

Location: Room 108 Bathroom/FD, 6-4-16 Result(ppb):12 Lab No.: 5949323 Client No.:BU-15A Lab No.: 5949324 Location: Room 108 Bathroom/FL, 6-4-16 Result(ppb):<2.0 Client No.: BU-15B Location: Room 112 Left Side Bathroom/FD, 6- Result(ppb): 8.4 Lab No.: 5949325 Client No.: BU-16A 4-16 Lab No.:5949326 Location: Room 112 Left Side Bathroom/FL, 6-4 Result(ppb): <2.0 Client No.: BU-16B Lab No.: 5949327 Location: Room 112 Right Side Bathroom/FD, 6 Result(ppb): 8.0 Client No.: BU-17A -4-16 Location: Room 112 Right Side Bathroom/FL, 6- Result(ppb): <2.0 Lab No.: 5949328 Client No.: BU-17B Location: Room 111 Bathroom/FD, 6-4-16 Lab No.:5949329 Result(ppb): 5.6 Client No.: BU-18A Location: Room 111 Bathroom/FL, 6-4-16 Result(ppb):<2.0 Lab No.:5949330 Client No.:BU-18B

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

Location: Field Blank, 6-4-16

Date Received:

Lab No.: 5949331

Client No.: BU-19

6/7/2016

Date Analyzed:

6/15/2016 12:00:00 AM

Signature:

20 ... 1.

Analyst:

Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Result(ppb):<2.0

Dated: 6/17/2016 7:54:19

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511426 - Lead Water 1805 Atlantic Avenue Report No.: **Burlington Campus** Manasquan NJ 08736 Project: Project No.: 14BR141G

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 OfficeManager: 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, AJHA 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  $\mu$ g/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 7:54:19 Page 3 of 3





Chain of Custody

Chain of Custody					
Contact Information Client Company: BRINKERHOFF (BES) Office Address: 1805 ATLANTIC AVENUE City, State, Zip: MANASOUAN, NJ 08736 Fax Number: Email Address: JSERIO@BRINKEN COM Project Number: HBR1416 Project Number: BURLINGTON CAMPUS JOE SERIO Coffice Phone: (732) 223-2225 Cell Phone: (908) 330-8560					
Matrix:  Air					
Turnaround Time  Preliminary Results Requested Date:  Specific date / time  10 Day  Specific date / time  10 Day  11 Day  12 Hour**  12 Hour**  13 Hour**  14 Hour**  15 Hour**  16 Hour**  17 RUSH**  18 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): Telephone Received (Name / iATL): Sample Login (Name / iATL): Analyst (Name(s) / iATL): OA/OC Review (Name / iATL):  OA/OC Review (Name / iATL):  Date:  OA/OC Review (Name / iATL):  Date: OA/OC Review (Name / iATL):  Date: OA/OC Review (Name / iATL):  Date: OA/OC Review (Name / iATL):  Date: OA/OC Review (Name / iATL):  OA/OC Review (Name / iATL):	J				
Archived / Released: QA/QC InterLAB Use: Date: Time:  Celebrating 25 yearsone sample at a time  www.iatl.com					



# Sample Log

-Environmental Lead -

Client: BRINKERHOFF (BES)	Project: HBR141 G - BURUNGTON	CAMPUS
Sampling Date/Time: JUNE 4, 2016		

Client Samula #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
BU- 10 A	5949313	ROOM 102 / FD	Rate	Enu	1000	250 mL	
BU-10B	5949314	" /FL			1000	1	
BU-11 A	5949315	ROOM 107 /FD			1003		
BU-11 B	5949316	" /FL	*		1003		
BU-12A	5949317	FOOD SERVICES / FD			1008		
BU-12B	5949318	" /FL			1008		
BU-13A	5949319	BATH ROOM / FD			1012		
BU-13B	5949320	" /FL			1012		
BU-14A	5949321	ROOM 115 LEFTSION /FD			1016		
BU-14B	5949322	" /FL			1016		
BU-15A	5949323	BATHROOM /FD			1020		
BU-15B	5949324	" /FL			1020		
BU-16A	5949325	ROCM 112 LEFT SIDE / FD			1024		
BU-16B	5949326	" /FL			1024	<u> </u>	

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

\*\*= Insufficient Sample Provided to Analyze (<50mg)

\*\*= Insufficient Sample Provided to Analyze (<50mg)

\*\*= Matrix / Substrate Interference Possible

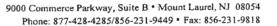
FB = Method Requires the submitted of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

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

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

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# Sample Log

-Environmental Lead -

Client: BRINKERHOFF (BES)	Project: 14BR141 G - BURUNGTON	CAMPiiS
Sampling Date/Time: June 4, 2016		

Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
BU-17A	5949327	ROOM 112 RIGHT SIDE / FD BATHROOM / FD			1026	250mL	
BU-17B	5949328	" /FL			1026		
BU-18A	<b>5</b> 9 <b>4</b> 9 <b>3</b> 2 <b>9</b>	BATHROOM /FD			1030		
BN-188	5949330	" /FL			1030		
BU-19	5949331	FIELD BLANK			1032		
arioul	id : Run	6/8/16 20	OP	2			

Celebrating 25 years...one sample at a time

www.iatl.com

Submit Form

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<sup>\*</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

\*\* = Insufficient Sample Provided to Analyze (<50mg)

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Laboratory Director

# DAILY QUALITY CONTROL DATA

## LEAD SAMPLE ANALYSIS

(DATE: 06/16/16)

Standard	Total Lead (mg)	Percent Recovery **
Reagent Blank	0.000	_ < LOQ
Blank Spike	0.500	100
Lab Control Std	1.230	91
Matrix Spike - LBP *	0.24	92
Matrix Spike - Wipe *	0.37	114
Matrix Spike - Soil *	0.350	101
Matrix spike - Air *	0.050	96
2.5 ppm Standard	0.25	96
10.0 ppm Standard	1.0	101
40.0 ppm Standard	4.0	99

	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 m	ethods.	
	All client supplied sampling data is assumed to be correct	when calculating results.	
	Detection limit based upon 0.2 mg/L reporting limit and sa	ample size.	
	* NIST Traceable.		
	** 80-120% acceptable limits.		
Analyzed By:	Coulstan R. Chad Shaffer	Approved By:	, 111

AAS.DailyQC.005

Date: 6/16/16