



CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc.

1805 Atlantic Avenue Manasquan NJ 08736

Client: BRI493

Report Date: 6/5/2016

Report No.: 510345 - Lead Water Project: Bergen Campus

Project No.: 14BR141F

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5935750 Client No.:BE-09A	Location: Principal's Office Sink FD, 5-21-16	Result(ppb): 6.5
Lab No.:5935751 Client No.:BE-09B	Location: Principal's Office Sink FL, 5-21-16	Result(ppb):<2.0
Lab No.:5935752 Client No.:BE-10A	Location: Lobby Bathroom Sink FD, 5-21-16	Result(ppb): 6.4
Lab No.:5935753 Client No.:BE-10B	Location: Lobby Bathroom Sink FL, 5-21-16	Result(ppb):<2.0
Lab No.:5935754 Client No.:BE-11A	Location: Kitchen Sink Near Back Door FD, 5- 21-16	Result(ppb): 5.0
Lab No.:5935755 Client No.:BE-11B	Location: Kitchen Sink Near Back Door FL, 5-21-16	Result(ppb):<2.0
Lab No.:5935756 Client No.:BE-12A	Location: Janitor's Closet Sink FD, 5-21-16	Result(ppb): 19
Lab No.:5935757 Client No.:BE-12B	Location: Janitor's Closet Sink FL, 5-21-16	Result(ppb): 3.1
Lab No.:5935758 Client No.:BE-13A	Location: Staff Bathroom Sink #1 FD, 5-21-16	Result(ppb): 14
Lab No.: 5935759	Location: Staff Bathroom Sink #1 FL, 5-21-16	Result(ppb): 5.3

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

Date Received:

Client No.: BE-13B

5/23/2016

Date Analyzed;

6/3/2016 12:00:00 AM

Signature:

32 - 1 By- 11-

Analyst: Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 6/6/2016 2:20:38

Page 1 of 6



CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc.

1805 Atlantic Avenue Manasquan NJ 08736

Client: BRI493

Report Date: 6/5/2016

Report No.: 510345 - Lead Water

Project: Bergen Campus Project No.: 14BR141F

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5935760 Location: Staff Bathroom Sink #2 FD, 5-21-16 Result(ppb): 8.9 Client No.: BE-14A Lab No.: 5935761 Location: Staff Bathroom Sink #2 FL, 5-21-16 Result(ppb): 3.5 Client No.: BE-14B Location: Room 108-Center Sink FD, 5-21-16 Lab No.: 5935762 Result(ppb):11 Client No.: BE-15A Location: Room 108-Center Sink FL, 5-21-16 Result(ppb):<2.0 Lab No.: 5935763 Client No.: BE-15B Location: Room 108-2nd Bathroom Sink FD, 5- Result(ppb): 50 Lab No.: 5935764 21-16 Client No.: BE-16A Lab No.: 5935765 Location: Room 108-2nd Bathroom Sink FL, 5- Result(ppb): 11 Client No.:BE-16B Location: Room 109-Center Sink FD, 5-21-16 Result(ppb):19 Lab No.: 5935766 Client No.:BE-17A Lab No.: 5935767 Location: Room 109-Center Sink FL, 5-21-16 Result(ppb): 7.0 Client No.: BE-17B Location: Room 109-2nd Bathroom Sink FD, 5- Result(ppb): 45 Lab No.: 5935768 Client No.: BE-18A Lab No.: 5935769 Location: Room 109-2nd Bathroom Sink FL, 5- Result(ppb): 6.0 Client No.: BE-18B

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

Date Received:

5/23/2016

Date Analyzed:

6/3/2016 12:00:00 AM

Signature: Analyst:

2. 1. Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc.

1805 Atlantic Avenue

Client: BRI493

Manasquan NJ 08736

Report Date: 6/5/2016

510345 - Lead Water Report No.:

Project:

Bergen Campus

Project No.: 14BR141F

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:5935770 Client No.:BE-19A	Location: Room 115-1st Bathroom Sink FD, 5- 21-16	Result(ppb):30
Lab No.:5935771 Client No.:BE-19B	Location: Room 115-1st Bathroom Sink FL, 5-21-16	Result(ppb):4.8
Lab No.:5935772 Client No.:BE-20A	Location: Room 115-2nd Bathroom Sink FD, 5-21-16	Result(ppb):36
Lab No.:5935773 Client No.:BE-20B	Location: Room 115-2nd Bathroom Sink FL, 5-21-16	Result(ppb): 8.9
Lab No.:5935774 Client No.:BE-21A	Location: Room 114-1st Bathroom Sink FD, 5-21-16	Result(ppb): 9.3
Lab No.:5935775 Client No.:BE-21B	Location: Room 114-1st Bathroom Sink FL, 5-21-16	Result(ppb):3.0
Lab No.:5935776 Client No.:BE-22A	Location: Boy's Bathroom Sink #1 FD, 5-21-16	
Lab No.:5935777 Client No.:BE-22B	Location: Boy's Bathroom Sink #1 FL, 5-21-16	Result(ppb):2.2
Lab No.:5935778 Client No.:BE-23A	Location: Boy's Bathroom Sink #2 FL, 5-21-16	Result(ppb):7.2
Chem 10002231		

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

Date Received:

Lab No.: 5935779

Client No.: BE-23B

5/23/2016

Date Analyzed:

6/3/2016 12:00:00 AM

Signature: Analyst:

Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 6/6/2016 2:20:38

Page 3 of 6

Location: Boy's Bathroom Sink #2 FD, 5-21-16 Result(ppb): 2.7



CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc.

1805 Atlantic Avenue Manasquan NJ 08736

Client: BRI493

Report Date: 6/5/2016

Report No.: 510345 - Lead Water

Project: Bergen Campus 14BR141F Project No.:

LEAD WATER SAMPLE ANALYSIS SUMMARY

Location: Boy's Bathroom Sink #3 FD, 5-21-16 Result(ppb): 9.6 Lab No.: 5935780 Client No.: BE-24A Lab No.: 5935781 Location: Boy's Bathroom Sink #3 FL, 5-21-16 Result(ppb): 2.6 Client No.:BE-24B Location: Boy's Bathroom Sink #4 FD, 5-21-16 Result(ppb): 320 Lab No.: 5935782 Client No.: BE-25A Location: Boy's Bathroom Sink #4 FL, 5-21-16 Result(ppb): 4.2 Lab No.: 5935783 Client No.:BE-25B Lab No.: 5935784 Location: Girl's Bathroom Sink #1 FD, 5-21-16 Result(ppb): 8.5 Client No.: BE-26A Location: Girl's Bathroom Sink #1 FL, 5-21-16 Result(ppb): 2.2 Lab No.: 5935785 Client No.:BE-26B Lab No.: 5935786 Location: Girl's Bathroom Sink #2 FD, 5-21-16 Result(ppb): 42 Client No.: BE-27A Lab No.: 5935787 Location: Girl's Bathroom Sink #2 FL, 5-21-16 Result(ppb): 2.6 Client No.:BE-27B Location: Girl's Bathroom Sink #3 FD, 5-21-16 Result(ppb): 12 Lab No.: 5935788 Client No.: BE-28A Lab No.: 5935789 Location: Girl's Bathroom Sink #3 FL, 5-21-16 Result(ppb): 2.0 Client No.: BE-28B

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

Date Received:

5/23/2016

Date Analyzed:

6/3/2016 12:00:00 AM

Signature:

Analyst:

3-2

Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc.

1805 Atlantic Avenue Manasquan NJ 08736

Client: BRI493

Client No.: BE-29A

Report Date: 6/5/2016

Report No.: 510345 - Lead Water Project: Bergen Campus

Project No.: 14BR141F

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 5935790 Location: Girl's Bathroom Sink #4 FD, 5-21-16 Result(ppb): 11

 Lab No.:5935791
 Location: Girl's Bathroom Sink #4 FL, 5-21-16
 Result(ppb): 2.1

 Client No.:BE-29B

Lab No.: 5935792 Location: Room 119-Sink FD, 5-21-16 Result(ppb): 12

Client No.:BE-30A

 Lab No.: 5935794
 Location: Room 121-Sink FD, 5-21-16
 Result(ppb): 5.6

 Client No.: BE-31A

Lab No.:5935795 Location: Room 121-Sink FL, 5-21-16 Result(ppb):<2.0

Client No.: BE-31B

Lab No.:5935796 Location: Room 122-Sink FD, 5-21-16 Result(ppb): 13

Client No.: BE-32A

Lab No.:5935798 Location: Field Blank, 5-21-16 Result(ppb): <2.0

Client No.:BE-33

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

Date Received:

5/23/2016

Date Analyzed:

6/3/2016 12:00:00 AM

Signature:

C. 9 L

Analyst:

Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Dated: 6/6/2016 2:20:39 Page 5 of 6



CERTIFICATE OF ANALYSIS

Client: Brinkerhoff Environmental Services Inc. Report Date: 6/5/2016

1805 Atlantic AvenueReport No.:510345 - Lead WaterManasquanNJ 08736Project:Bergen CampusProject No.:14BR141F

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, 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.

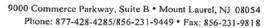
PPB = Parts per billion. 1 μ g/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 2.0 PPB

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: 6/6/2016 2:20:39 Page 6 of 6



-1-



Chain of Custody

Chain of Custody						
Contact Information Brinker hoff Client Company: Environmental Services Office Address: 1805 Athantic Avenue City, State, Zip: Manasquan, NJ 08736 Fax Number: 732-723-3666 Email Address: Hazmat Group Contact Information Brinker hoff Project Number: 14BR 141F Project Number: Bergen Campus Primary Contact: Gory Fleming 732-723-2225 Cell Phone: Cell Phone:						
Matrix: Air						
Turnaround Time Preliminary Results Requested Date: Specific date / time Day						
Shipping Method Great Ups Uups Other						
Chain of Custody Relinquished (Name/Organization): Received (Name / iATL): Sample Login (Name / iATL): Analyst (Name / iATL): QA/QC Review (Name / iATL): Archived / Released: QA/QC InterLAB Use: QA/QC Inter						
Contraction of the Contraction o						



Sample Log

Brinkerhoff-Environmental Lead-Client: Environmental Services Project: 14BR141F

Sampling Date/Time: 5/21/16

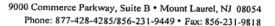
Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
BE-09+	5935750	Principals Office Sinkf	0		11:18am	250L	
BE-09B	5935751	Principals Office Sink F			11:18am		
BE-10A	5935752	Lobby Bathroom Sink			11:25am		
BE-10B	5935753	Lobby Pathroom Sink			11:25am	20	
BE-11A	5935754	Kitchen Sink Near Back Door			11:27am		
BE-11B	593575 5	Kitchen Sink Near Back Door			11:21am		
BE-12A	5935756	Janitors Closet Sink Fu			1:31am		
BE-12B	5935757	Janitor's Claset Sink Fl			11:32am		
BE-13A	5935759	Staff Bathron	· .		1:35am		
BE-13B	5 9 3 5 7 59	STACEBATHYOOD STACE FL	- 1	1	1:35am		
BE-14A	5935760	StateBathroom Sink#2FD	- 1	/	1:36am		
BE-14B	5935761	State Bathran	n	I	1:36am		
BE-15A	5935762	Room 108- Enter Sink F	0	/.	1:41am		
BE-15B	5935763	Room 108- Enter Sink FL		- 1	1:42am		
BE-16A	3445/K/	Room 108-2nd Bathroom Sink F		1.	1:44am	\downarrow	

^{* =} 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

Briskerhore -Environmental Lead Client: Environmental Services Project: 14BR141F Sampling Date/Time: 5/21/18

	Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
	BE-16B	5935765	Room 108-2nd Bathroom-FL			11:45an	25QL	
	BE-17A	5935766	Room 109- Center Sink	= 0		1):48am		
	BE-17B	5935766 5935767	Room 109- Center Sink F			11:48am		
	BE-18A	5935768	Room 109- 2nd Bathroom		⊨ρ	11:53am		
-	BE-18B	5935769	Room 109-2nd Bathroom Sink			11:53cm		
1	BE-19A	5935770	Bathroom Sink	- 1		11:57am		
-	BE-19B	5935771	Room/15-15+ BathroomSink F			1:57am		
1	BE-20A	5935772	Room 115-2nd Bathroom Sinkf			1:58am		
	BE-208	5935773	ROOM115-2nd Bathroomsing			1):59am		
	3E-21A	5935774	Room 114-15+ Bathroom Sink FD			12:02pm		
	3E-21B		Room114- 1St-BothroomSink	FL	1	2:02pm		
_	E-22A	5935776	Boy's Bathroom Sink#1 FD			2:16pm		
$\overline{}$	3E-22B	5935777	Boys Bathroom Sink#1 FL		1	2:17pm		
_	3E-23A		Boy's Bathroom Sink #2 FL		//	2:19pm		
b	E-23B		Boy's Bathroom Sink #2 FD		1.	2: 29 pm	$\sqrt{}$	

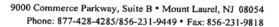
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Sample Log

Brinkerhore -Environmental Lead Client: Environmental Services Project: 14BR 141F
Sampling Date/Time: 5/21/16

		7					
Client Sample #	iatl#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
BE-24A	5935780	Boy's Bathroom Sink #3FD	-		12:21pm		
BE-24B	5935781	Boy's Bathroom Sink #3 FL	-		12:21pm		
BE-25A	5935782	Boys Bathroom Sink #4FD		,	12:23pm		
BE-25B	5 935 7 8 3	BoysBathroon Sink#4FL	·-		12:23pm		
BE-26A	5935784	Sink#IFD			12:25pm		
BE-26B	5925785	Girl's Bathroom	n		12:25 pm		
BE-27A	5935786	Girl's Bothroo	n	1	12:27m		
BE-27B	5935787	Sink#2 FL	1		12:27		
BE-28A	5935788	Girls Bathroom Sink #3FD			12:29pm		
BE-28B	5935789	Sirls Bathroom Sink#3FL			2:30pm		
BE-29A	5935790	Sink#4FD		- 1	2: 3Hpm		
BE-29B	5935791	Sirl's Bathroom			2:34 pm		
BE-30A	5935792 / 5935793 /	Sink Fin	_		2:36pm		
DE-30B		SinkFL 800m121-			2:37pm		
DL-3101	5935794	SinkFD			2:40 _m	ψ	

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

Sample Log

Brinkerhoff -Environmental Lead Client: Environmental Services Project: 14BR/4/F
Sampling Date/Time: 5/21/16

Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
BE-31B	5935795	Description ROOM/ZI- SinkFL				2501	
BE-32A	5935796	SinkFL Room122- Sink FD			12:42 pm		
BE-32B	5935797	Room122- Sink FL			12:42 pm		
BE-33	5935798	Field Blank			12:44 pm	$\sqrt{}$	
					•		
				\dashv			
acililia	9 - RMU	5/24//6	1:-31	200	\		

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9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054 Telephone: 856-231-9449 Fax: 856-231-9818 INFO@IATL.COM

DAILY QUALITY CONTROL DATA

LEAD SAMPLE ANALYSIS

(DATE: 06/06/16)

Standard	Total Lead (mg)	Percent Recovery **
Reagent Blank	0.000	< LOQ
Blank Spike	0.500	100
Lab Control Std	1.360	97
Matrix Spike - LBP *	0.42	- 101
Matrix Spike - Wipe *	0.37	96
Matrix Spike - Soil *	0.293	94
Matrix spike - Air *	0.050	96
2.5 ppm Standard	0.25	99
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 r	nethods.	
	All client supplied sampling data is assumed to be correct	t when calculating results.	
	Detection limit based upon 0.2 mg/L reporting limit and	sample size.	
	* NIST Traceable.		
	** 80-120% acceptable limits.		
			1

Analyzed By: R. Chad Shaffer,

Approved By

Laboratory Director

AAS.DailyQC.005