

February 4, 2022

Attn: Mr. Ronald Wybraniec  
Operations Manager  
Office of Education  
New Jersey Department of Children and Families  
PO Box 710  
Trenton, NJ 08625



Re: **Lead and Copper Drinking Water Testing**  
DCF Regional School – Passiac Campus  
160 Minnisink Road  
Totowa, NJ 07512  
Project No. 21336.18

Dear Mr. Wybraniec,

Vanasse Hangen Brustlin Inc. (VHB) was retained to perform drinking water testing at the New Jersey Department of Children and Families (DCF) Regional School's Passaic Campus (subject property). VHB performed the sampling on January 19, 2022. The purpose of the testing was to determine if lead or copper may be present in potable water sources above the established regulatory limits. The testing is being performed as a childcare licensing requirement for the Project TEACH program.

## **METHODS**

Samples of potable water were collected from each location where water may be used for drinking or food preparation. Sampling protocol included the following:

- Samples were collected in the morning before occupants arrived for the day.
- The sample locations were flushed for several minutes by the Client the day prior to collecting the samples.
- The Client was instructed to not use water from the sampling locations during the overnight period or morning prior to collecting the samples.
- Each sampling location was inspected for evidence that the water had been used that day prior to collecting the first draw samples (i.e. dripping faucet, water residue in basin).
- Each location was checked to verify whether water treatment (filter/bubbler) was or was not in use.
- Two (2) samples were collected at each location. The first sample is a first-draw sample collected from the tap after the overnight resting period. The second is a flush sample collected after running water for 30 seconds.
- Samples were collected in 250 mL bottle using aseptic collection techniques.
- Bottles were labeled, and chain-of-custody completed for each sample.
- Samples were shipped overnight to the laboratory.
- The laboratory accessioned the samples and added the necessary preservatives within the allowable timeframe.

Samples were delivered under chain-of-custody to IATL International, Inc., 9000 Commerce Parkway Suite B, Mt. Laurel, New Jersey 08054. IATL is a New Jersey Department of Environmental Protection (NJDEP) Certified Drinking Water Laboratory.

1805 Atlantic Avenue

**Engineers | Scientists | Planners | Designers**

Manasquan, New Jersey 08736

P 732.223.2225



The regulatory limits for lead and copper are established by the United States Environmental Protection Agency (EPA) under the Safe Drinking Water Act – Lead and Copper Rule (LCR). The LCR established an action level of 0.015 mg/L (15 ppb) for lead and 1.3 mg/L (1300 ppb) for copper.

**RESULTS**

<b>TABLE 1</b>					
<b>SUMMARY OF LABORATORY ANALYSIS RESULTS – LEAD (Pb)</b>					
<b>Sample ID</b>	<b>FD/FL</b>	<b>Location</b>	<b>Treatment in Use</b>	<b>Result (PPB)</b>	<b>MCL (PPB)</b>
FD-1	FD	Lounge	Yes	<1.00	15
FL-1	FL	Lounge	Yes	NA	15
FD-2	FD	Kitchen	Yes	<1.00	15
FL-2	FL	Kitchen	Yes	NA	15
FD-3	FD	Room 113	Yes	<1.00	15
FL-3	FL	Room 113	Yes	NA	15
FD-4	FD	Room 114	Yes	<1.00	15
FL-4	FL	Room 114	Yes	NA	15
FD-5	FD	Room 107	Yes	<1.00	15
FL-5	FL	Room 107	Yes	NA	15
FD-6	FD	Room 108	Yes	2.20	15
FL-6	FL	Room 108	Yes	NA	15
FD-7	FD	Room 118	Yes	<1.00	15
FL-7	FL	Room 118	Yes	NA	15
FD-8	FD	Room 117	Yes	<1.00	15
FL-8	FL	Room 117	Yes	NA	15
FD-9	FD	Room 122	Yes	1.10	15
FL-9	FL	Room 122	Yes	NA	15
FD-10	FD	Room 121	Yes	<1.00	15
FL-10	FL	Room 113	Yes	NA	15
FD-11	FD	Room 111	Yes	1.00	15
FL-11	FL	Room 111	Yes	NA	15
FD-12	FD	Room 120	Yes	<1.00	15
FL-12	FL	Room 120	Yes	NA	15

*MCL – Maximum Contaminant Level; NA – Not Analyzed; FD – First Draw; FL – Flush*



<b>TABLE 2</b>					
<b>SUMMARY OF LABORATORY ANALYSIS RESULTS – Copper (Cu)</b>					
<b>Sample ID</b>	<b>FD/FL</b>	<b>Location</b>	<b>Treatment in Use</b>	<b>Result (PPB)</b>	<b>MCL (PPB)</b>
FD-1	FD	Lounge	Yes	<100	1,300
FL-1	FL	Lounge	Yes	NA	1,300
FD-2	FD	Kitchen	Yes	<100	1,300
FL-2	FL	Kitchen	Yes	NA	1,300
FD-3	FD	Room 113	Yes	<100	1,300
FL-3	FL	Room 113	Yes	NA	1,300
FD-4	FD	Room 114	Yes	<100	1,300
FL-4	FL	Room 114	Yes	NA	1,300
FD-5	FD	Room 107	Yes	<100	1,300
FL-5	FL	Room 107	Yes	NA	1,300
FD-6	FD	Room 108	Yes	<100	1,300
FL-6	FL	Room 108	Yes	NA	1,300
FD-7	FD	Room 118	Yes	<100	1,300
FL-7	FL	Room 118	Yes	NA	1,300
FD-8	FD	Room 117	Yes	<100	1,300
FL-8	FL	Room 117	Yes	NA	1,300
FD-9	FD	Room 122	Yes	<100	1,300
FL-9	FL	Room 122	Yes	NA	1,300
FD-10	FD	Room 121	Yes	<100	1,300
FL-10	FL	Room 113	Yes	NA	1,300
FD-11	FD	Room 111	Yes	<100	1,300
FL-11	FL	Room 111	Yes	NA	1,300
FD-12	FD	Room 120	Yes	<100	1,300
FL-12	FL	Room 120	Yes	NA	1,300

*MCL – Maximum Contaminant Level; NA – Not Analyzed; FD – First Draw; FL – Flush*

Laboratory analysis results of the lead and copper sampling indicate the concentrations were below the regulatory limits for both analytes at each test location. Flush samples were not analyzed because there were no exceedances reported in the first draw results. Certificates of laboratory analysis are presented in Appendix I.



**LIMITATIONS**

Results should not be considered to reflect conditions at other tap locations in the facility. The findings in this report are reflective of the conditions at the time of the VHB inspections. The findings and recommendations are valid as of the date of the report. The conclusions are limited based on the site conditions at the time of our inspection and the enclosed analytical results.

Please do not hesitate to contact the undersigned at 732-223-2225 if you have questions and/or comments or require additional information.

Respectfully submitted,

VANASSE HANGEN BRUSTLIN, INC.

A handwritten signature in blue ink that reads "John Russo".

John Russo  
Environmental Scientist

A handwritten signature in blue ink that reads "Chris Glowacki".

Christopher Glowacki, CIH, CIEC  
Senior Project Manager

JR:CG

## **APPENDIX I**

### **LABORATORY CERTIFICATES OF ANALYSIS**

CERTIFICATE OF ANALYSIS

Client: Vanasse Hangen Brustlin, Inc.  
1805 Atlantic Avenue  
Manasquan NJ 08736

Report Date: 1/26/2022  
Report No.: 650985 - Lead Water  
Project: DCF-Passaic  
Project No.: 21336.18

Client: VHB973

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7346301                      Location: Lounge                      Result(ppb): <1.00  
Client No.: FD-1                      \* Sample acidified to pH <2.

Lab No.: 7346302                      Location: Kitchen                      Result(ppb): <1.00  
Client No.: FD-2                      \* Sample acidified to pH <2.

Lab No.: 7346303                      Location: 113                      Result(ppb): <1.00  
Client No.: FD-3                      \* Sample acidified to pH <2.

Lab No.: 7346304                      Location: 114                      Result(ppb): <1.00  
Client No.: FD-4                      \* Sample acidified to pH <2.

Lab No.: 7346305                      Location: 107                      Result(ppb): <1.00  
Client No.: FD-5                      \* Sample acidified to pH <2.

Lab No.: 7346306                      Location: 108                      Result(ppb): 2.20  
Client No.: FD-6                      \* Sample acidified to pH <2.


Lab No.: 7346307                      Location: 118                      Result(ppb): <1.00  
Client No.: FD-7                      \* Sample acidified to pH <2.


Lab No.: 7346308                      Location: 117                      Result(ppb): <1.00  
Client No.: FD-8                      \* Sample acidified to pH <2.

Lab No.: 7346309                      Location: 122                      Result(ppb): 1.10  
Client No.: FD-9                      \* Sample acidified to pH <2.

Lab No.: 7346310                      Location: 121                      Result(ppb): <1.00  
Client No.: FD-10                      \* Sample acidified to pH <2.

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

Date Received: 1/20/2022  
Date Analyzed: 01/24/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Vanasse Hangen Brustlin, Inc.  
1805 Atlantic Avenue  
Manasquan NJ 08736


Report Date: 1/26/2022  
Report No.: 650985 - Lead Water  
Project: DCF-Passaic  
Project No.: 21336.18


Client: VHB973

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7346311 Client No.: FD-11	Location: 111 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7346312 Client No.: FD-12	Location: 120 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7346313 Client No.: FL-1	Location: Lounge * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346314 Client No.: FL-2	Location: Kitchen * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346315 Client No.: FL-3	Location: 113 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346316 Client No.: FL-4	Location: 114 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346317 Client No.: FL-5	Location: 107 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346318 Client No.: FL-6	Location: 108 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346319 Client No.: FL-7	Location: 118 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346320 Client No.: FL-8	Location: 117 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed

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

Date Received: 1/20/2022  
Date Analyzed: 01/24/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Vanasse Hangen Brustlin, Inc.  
1805 Atlantic Avenue  
Manasquan NJ 08736  
  
Client: VHB973

Report Date: 1/26/2022  
Report No.: 650985 - Lead Water  
Project: DCF-Passaic  
Project No.: 21336.18

LEAD WATER SAMPLE ANALYSIS SUMMARY


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**Lab No.:** 7346321                      **Location:** 122                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** FL-9                      \* Sample acidified to pH <2.

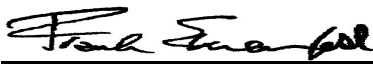
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**Lab No.:** 7346322                      **Location:** 121                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** FL-10                      \* Sample acidified to pH <2.

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**Lab No.:** 7346323                      **Location:** 119                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** FL-11                      \* Sample acidified to pH <2.

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**Lab No.:** 7346324                      **Location:** 120                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** FL-12                      \* Sample acidified to pH <2.

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

Date Received: 1/20/2022  
Date Analyzed: 01/24/2022  
Signature:   
Analyst: Mark Stewart

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director



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CERTIFICATE OF ANALYSIS

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Client: Vanasse Hangen Brustlin, Inc.  
1805 Atlantic Avenue  
Manasquan NJ 08736

Report Date: 1/26/2022  
Report No.: 650985 - Lead Water  
Project: DCF-Passaic  
Project No.: 21336.18

Client: VHB973

## Appendix to Analytical Report:

**Customer Contact:** Chris Glowacki  
**Analysis:** AAS-GF - ASTM D3559-08D

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:** wchampion@iatl.com  
**iATL Account Representative:** Kelly Klippel  
**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](http://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

Certification:

- NYS-DOH No. 11021

- NJDEP No. 03863

### Note: These methods are analytically equivalent to iATL's accredited method;

- USEPA 40CFR 141.11B

- USEPA 200.9 Pb, AAS-GF, RL <2 ppb/sample

- USEPA SW 846-7421 - Pb(AAS-GF, RL <2 ppb/sample)

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) = 1.0 PPB

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CERTIFICATE OF ANALYSIS

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Client: Vanasse Hangen Brustlin, Inc.  
1805 Atlantic Avenue  
Manasquan NJ 08736

Report Date: 1/26/2022  
Report No.: 650985 - Lead Water  
Project: DCF-Passaic  
Project No.: 21336.18

Client: VHB973

**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](mailto:customerservice@iatl.com).

Matrix spiking is performed on each client batch to determine if interferences could impact results. When spike recoveries fall out of acceptable range matrix interference is suspected and samples are diluted until acceptable spike recovery can be achieved. Reporting limits will increase by the same degree as the dilution required.

Note: Sample dilution required due to matrix interference.

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

\* ASTM D3559 (D) calls for the addition of acid at the time of sampling. Unless so noted on the chain of custody by the client iATL acidifies samples to a pH of <2 at least 24 hours prior to analysis.

CERTIFICATE OF ANALYSIS

Client: Vanasse Hangen Brustlin, Inc.  
1805 Atlantic Avenue  
Manasquan NJ 08736

Report Date: 1/26/2022  
Report No.: 650985 - Copper Water  
Project: DCF-Passaic  
Project No.: 21336.18

Client: VHB973

COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7346301                      Location: Lounge                      Result(ppb): <100  
Client No.: FD-1                      \* Sample acidified to pH <2.

Lab No.: 7346302                      Location: Kitchen                      Result(ppb): <100  
Client No.: FD-2                      \* Sample acidified to pH <2.

Lab No.: 7346303                      Location: 113                      Result(ppb): <100  
Client No.: FD-3                      \* Sample acidified to pH <2.

Lab No.: 7346304                      Location: 114                      Result(ppb): <100  
Client No.: FD-4                      \* Sample acidified to pH <2.

Lab No.: 7346305                      Location: 107                      Result(ppb): <100  
Client No.: FD-5                      \* Sample acidified to pH <2.

Lab No.: 7346306                      Location: 108                      Result(ppb): <100  
Client No.: FD-6                      \* Sample acidified to pH <2.

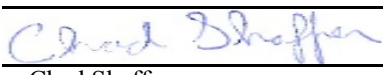
Lab No.: 7346307                      Location: 118                      Result(ppb): <100  
Client No.: FD-7                      \* Sample acidified to pH <2.

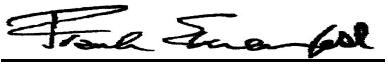
Lab No.: 7346308                      Location: 117                      Result(ppb): <100  
Client No.: FD-8                      \* Sample acidified to pH <2.

Lab No.: 7346309                      Location: 122                      Result(ppb): <100  
Client No.: FD-9                      \* Sample acidified to pH <2.

Lab No.: 7346310                      Location: 121                      Result(ppb): <100  
Client No.: FD-10                      \* Sample acidified to pH <2.

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

Date Received: 1/20/2022  
Date Analyzed: 01/26/2022  
Signature:   
Analyst: Chad Shaffer

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Vanasse Hangen Brustlin, Inc.  
1805 Atlantic Avenue  
Manasquan NJ 08736


Report Date: 1/26/2022  
Report No.: 650985 - Copper Water  
Project: DCF-Passaic  
Project No.: 21336.18


Client: VHB973

COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7346311 Client No.: FD-11	Location: 111 * Sample acidified to pH <2.	Result(ppb): <100
Lab No.: 7346312 Client No.: FD-12	Location: 120 * Sample acidified to pH <2.	Result(ppb): <100
Lab No.: 7346313 Client No.: FL-1	Location: Lounge * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346314 Client No.: FL-2	Location: Kitchen * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346315 Client No.: FL-3	Location: 113 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346316 Client No.: FL-4	Location: 114 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346317 Client No.: FL-5	Location: 107 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346318 Client No.: FL-6	Location: 108 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346319 Client No.: FL-7	Location: 118 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed
Lab No.: 7346320 Client No.: FL-8	Location: 117 * Sample acidified to pH <2.	Result(ppb): Sample Not Analyzed

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

Date Received: 1/20/2022  
Date Analyzed: 01/26/2022  
Signature:   
Analyst: Chad Shaffer

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Vanasse Hangen Brustlin, Inc.  
1805 Atlantic Avenue  
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Report Date: 1/26/2022  
Report No.: 650985 - Copper Water  
Project: DCF-Passaic  
Project No.: 21336.18

Client: VHB973

COPPER WATER SAMPLE ANALYSIS SUMMARY

-----  
**Lab No.:** 7346321                      **Location:** 122                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** FL-9                      \* Sample acidified to pH <2.

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**Lab No.:** 7346322                      **Location:** 121                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** FL-10                      \* Sample acidified to pH <2.

-----  
**Lab No.:** 7346323                      **Location:** 119                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** FL-11                      \* Sample acidified to pH <2.

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**Lab No.:** 7346324                      **Location:** 120                      **Result(ppb):** Sample Not Analyzed  
**Client No.:** FL-12                      \* Sample acidified to pH <2.

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

Date Received: 1/20/2022  
Date Analyzed: 01/26/2022  
Signature:   
Analyst: Chad Shaffer

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

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CERTIFICATE OF ANALYSIS

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Report No.: 650985 - Copper Water  
Project: DCF-Passaic  
Project No.: 21336.18

Client: VHB973

## Appendix to Analytical Report:

**Customer Contact:** Chris Glowacki  
**Analysis:** AAS-FL- ASTM D1688-12(A)

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.

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**iATL Office Manager:** wchampion@iatl.com  
**iATL Account Representative:** Kelly Klippel  
**Sample Login Notes:** See Batch Sheet Attached  
**Sample Matrix:** Water  
**Exceptions Noted:** See Following Pages

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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, NELAC (TNI), 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 D1688-12(A)

Accreditations:

- NYS-DOH No. 11021

- NJDEP No. 03863

### Note: These methods are analytically equivalent to iATL's accredited method;

- USEPA 200.9 Cu, AAS-FL, RL <40 ppb/sample

Regulatory limit for copper in drinking water is 1300 parts per billion (or 1.3 ppm) 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 = 20 PPB Reporting Limit (RL) = 40 PPB

### Disclaimers / Qualifiers:

Dated : 1/26/2022 1:55:07

Page 4 of 5

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CERTIFICATE OF ANALYSIS

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Client: Vanasse Hangen Brustlin, Inc.  
1805 Atlantic Avenue  
Manasquan NJ 08736

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Note: Sample dilution required due to matrix interference.

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

\* ASTM D1668-12(A) calls for the addition of acid at the time of sampling. Unless so noted on the chain of custody by the client iATL acidifies samples to a pH of <2 at least 24 hours prior to analysis.

## Chain of Custody

### Contact Information

**Client Company:** VHB  
**Office Address:** 1805 Atlantic Ave  
**City, State, Zip:** Manasquan, NJ 08736  
**Fax Number:** \_\_\_\_\_  
**Email Address:** jrusso@vhb.com

**Project Number:** 21336.18  
**Project Name:** DCF - Passaic  
**Primary Contact:** John Russo  
**Office Phone:** 732-233-1185  
**Cell Phone:** \_\_\_\_\_

### Matrix:

Air       Soil       Bulk       Other  Lead+Copper Drinking Water  
 Water       Paint       Surface Dust / Wipe

### 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<sub>1</sub>  
 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 Bioaersol Fungal Spore Trap<sub>3</sub>  
 IAQ: II Bioaersol Fungal Spore  
 IAQ: Tape, Bulk, Misc. Qualitative<sub>3</sub>  
 IAQ: Tape, Bulk, Misc. Quantitative<sub>3</sub>  
 IAQ: Other Culturable ID<sub>2</sub>

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:** Flush (FL) only analyzed if first draw (FD) has exceedance. Lead and Copper NJ Child Care Facility. Preservative not added.

### Turnaround Time

Preliminary Results Requested Date: Standard       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): VHB  
 Received (Name / iATL): \_\_\_\_\_  
 Sample Login (Name / iATL): \_\_\_\_\_  
 Analyst (Name(s) / iATL): NS sm/26/22  
 QA/QC Review (Name / iATL): R 7/6/22  
 Archived / Released: \_\_\_\_\_ QA/QC InterLAB Use: \_\_\_\_\_

Date: 1/19/2022  
 Date: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Date: 1/24/22  
 Date: \_\_\_\_\_  
 Date: \_\_\_\_\_

Time: FedEx **RECEIVED**  
 Time: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Time: JAN 20 2022



## Sample Log

–Environmental Lead–

Client: DCF - Passaic Project: DCF - Passaic

Sampling Date/Time: 1/19/22

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
FD-1	7348301	Lounge	N/A	N/A	N/A	250 mL	
FD-2	7348302	Kitchen					
FD-3	7348303	113					
FD-4	7348304	114					
FD-5	7348305	107					
FD-6	7348306	108					
FD-7	7348307	118					
FD-8	7348308	117					
FD-9	7348309	122					
FD-10	7348310	121					
FD-11	7348311	119					
FD-12	7348312	120					
FL-1	7348313	Lounge					
FL-2	7348314	Kitchen					
FL-3	7348315	113	▼	▼	▼	▼	

\* = 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.

