

January 11, 2022

Ref: 21336.15

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 – Monmouth Campus
1076 Wayside Road
Tinton Falls, NJ 07712
Project No. 21336.15

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 Monmouth Campus located at 1076 Wayside Road, Tinton Falls, New Jersey (subject property). VHB performed the sampling on December 28, 2021. 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 bottles.

1805 Atlantic Avenue

Engineers | Scientists | Planners | Designers

Manasquan, New Jersey 08736

P 732.223.2225



- 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.

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

TABLE 1					
SUMMARY OF LABORATORY ANALYSIS RESULTS – LEAD (Pb)					
Sample ID	FD/FL	Location	Treatment in Use	Result (PPB)	MCL (PPB)
FD-1	FD	Room 118	Yes	<1.00	15
FL-1	FL	Room 118	Yes	<1.00	15
FD-2	FD	Room 120	Yes	<1.00	15
FL-2	FL	Room 120	Yes	<1.00	15
FD-3	FD	Room 122	Yes	<1.00	15
FL-3	FL	Room 122	Yes	<1.00	15
FD-4	FD	Room 121	Yes	<1.00	15
FL-4	FL	Room 121	Yes	<1.00	15
FD-5	FD	Room 119	Yes	<1.00	15
FL-5	FL	Room 119	Yes	<1.00	15
FD-6	FD	Room 117	Yes	<1.00	15
FL-6	FL	Room 117	Yes	<1.00	15
FD-7	FD	Kitchen Sink	Yes	<1.00	15
FL-7	FL	Kitchen Sink	Yes	1.00	15
FD-8	FD	Room 106	Yes	<1.00	15
FL-8	FL	Room 106	Yes	<1.00	15
FD-9	FD	Room 107	Yes	1.00	15
FL-9	FL	Room 107	Yes	<1.00	15
FD-10	FD	Room 113	Yes	<1.00	15
FL-10	FL	Room 113	Yes	<1.00	15
FD-11	FD	Room 114	Yes	1.00	15
FL-11	FL	Room 114	Yes	<1.00	15
FD-12	FD	Room 108	Yes	<1.00	15
FL-12	FL	Room 108	Yes	<1.00	15
FD-13	FD	Kitchen Ice Machine	Yes	<1.00	15



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

TABLE 2					
SUMMARY OF LABORATORY ANALYSIS RESULTS – Copper (Cu)					
Sample ID	FD/FL	Location	Treatment in Use	Result (PPB)	MCL (PPB)
FD-1	FD	Room 118	Yes	<100	1,300
FL-1	FL	Room 118	Yes	<100	1,300
FD-2	FD	Room 120	Yes	<100	1,300
FL-2	FL	Room 120	Yes	<100	1,300
FD-3	FD	Room 122	Yes	<100	1,300
FL-3	FL	Room 122	Yes	<100	1,300
FD-4	FD	Room 121	Yes	<100	1,300
FL-4	FL	Room 121	Yes	<100	1,300
FD-5	FD	Room 119	Yes	<100	1,300
FL-5	FL	Room 119	Yes	<100	1,300
FD-6	FD	Room 117	Yes	<100	1,300
FL-6	FL	Room 117	Yes	<100	1,300
FD-7	FD	Kitchen Sink	Yes	<100	1,300
FL-7	FL	Kitchen Sink	Yes	<100	1,300
FD-8	FD	Room 106	Yes	<100	1,300
FL-8	FL	Room 106	Yes	<100	1,300
FD-9	FD	Room 107	Yes	<100	1,300
FL-9	FL	Room 107	Yes	<100	1,300
FD-10	FD	Room 113	Yes	<100	1,300
FL-10	FL	Room 113	Yes	<100	1,300
FD-11	FD	Room 114	Yes	<100	1,300
FL-11	FL	Room 114	Yes	<100	1,300
FD-12	FD	Room 108	Yes	<100	1,300
FL-12	FL	Room 108	Yes	<100	1,300
FD-13	FD	Kitchen Ice Machine	Yes	<100	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 laboratory 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, appearing to read "John Russo".

John Russo
Environmental Scientist

A handwritten signature in blue ink, appearing to read "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: 1/10/2022
Report No.: 649908 - Lead Water
Project: DCF Monmouth
Project No.: 2136.15

Client: VHB973

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7337291 Location: Room 118 Result(ppb): <1.00
Client No.: FD-1 * Sample acidified to pH <2.

Lab No.: 7337292 Location: Room 118 Result(ppb): <1.00
Client No.: FL-1 * Sample acidified to pH <2.

Lab No.: 7337293 Location: Room 120 Result(ppb): <1.00
Client No.: FD-2 * Sample acidified to pH <2.

Lab No.: 7337294 Location: Room 120 Result(ppb): <1.00
Client No.: FL-2 * Sample acidified to pH <2.

Lab No.: 7337295 Location: Room 122 Result(ppb): <1.00
Client No.: FD-3 * Sample acidified to pH <2.

Lab No.: 7337296 Location: Room 122 Result(ppb): <1.00
Client No.: FL-3 * Sample acidified to pH <2.


Lab No.: 7337297 Location: Room 121 Result(ppb): <1.00
Client No.: FD-4 * Sample acidified to pH <2.

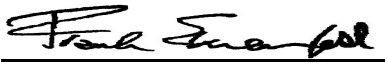
Lab No.: 7337298 Location: Room 121 Result(ppb): <1.00
Client No.: FL-4 * Sample acidified to pH <2.

Lab No.: 7337299 Location: Room 119 Result(ppb): <1.00
Client No.: FD-5 * Sample acidified to pH <2.

Lab No.: 7337300 Location: Room 119 Result(ppb): <1.00
Client No.: FL-5 * Sample acidified to pH <2.

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

Date Received: 12/29/2021
Date Analyzed: 01/03/2022
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: 1/10/2022
Report No.: 649908 - Lead Water
Project: DCF Monmouth
Project No.: 2136.15

Client: VHB973

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7337301 Location: Room 117 Result(ppb): <1.00
Client No.: FD-6 * Sample acidified to pH <2.

Lab No.: 7337302 Location: Room 117 Result(ppb): <1.00
Client No.: FL-6 * Sample acidified to pH <2.

Lab No.: 7337303 Location: Kitchen Sink Result(ppb): <1.00
Client No.: FD-7 * Sample acidified to pH <2.

Lab No.: 7337304 Location: Kitchen Sink Result(ppb): 1.00
Client No.: FL-7 * Sample acidified to pH <2.

Lab No.: 7337305 Location: Room 106 Result(ppb): <1.00
Client No.: FD-8 * Sample acidified to pH <2.

Lab No.: 7337306 Location: Room 106 Result(ppb): <1.00
Client No.: FL-8 * Sample acidified to pH <2.


Lab No.: 7337307 Location: Room 107 Result(ppb): 1.00
Client No.: FD-9 * Sample acidified to pH <2.


Lab No.: 7337308 Location: Room 107 Result(ppb): <1.00
Client No.: FL-9 * Sample acidified to pH <2.

Lab No.: 7337309 Location: Room 113 Result(ppb): <1.00
Client No.: FD-10 * Sample acidified to pH <2.

Lab No.: 7337310 Location: Room 113 Result(ppb): <1.00
Client No.: FL-10 * Sample acidified to pH <2.

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

Date Received: 12/29/2021
Date Analyzed: 01/03/2022
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: 1/10/2022
Report No.: 649908 - Lead Water
Project: DCF Monmouth
Project No.: 2136.15


Client: VHB973

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7337311 Client No.: FD-11	Location: Room 114 * Sample acidified to pH <2.	Result(ppb): 1.00
Lab No.: 7337312 Client No.: FL-11	Location: Room 114 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7337313 Client No.: FD-12	Location: Room 108 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7337314 Client No.: FL-12	Location: Room 108 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7337315 Client No.: FD-13	Location: Kitchen Ice Machine * Sample acidified to pH <2.	Result(ppb): <1.00

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

Date Received: 12/29/2021
Date Analyzed: 01/03/2022
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: 1/10/2022
Report No.: 649908 - Lead Water
Project: DCF Monmouth
Project No.: 2136.15

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 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

CERTIFICATE OF ANALYSIS

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

Report Date: 1/10/2022
Report No.: 649908 - Lead Water
Project: DCF Monmouth
Project No.: 2136.15

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.

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: 1/10/2022
Report No.: 649908 - Copper Water
Project: DCF Monmouth
Project No.: 2136.15

Client: VHB973

COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7337291 Location: Room 118 Result(ppb): <100
Client No.: FD-1 * Sample acidified to pH <2.

Lab No.: 7337292 Location: Room 118 Result(ppb): <100
Client No.: FL-1 * Sample acidified to pH <2.

Lab No.: 7337293 Location: Room 120 Result(ppb): <100
Client No.: FD-2 * Sample acidified to pH <2.

Lab No.: 7337294 Location: Room 120 Result(ppb): <100
Client No.: FL-2 * Sample acidified to pH <2.

Lab No.: 7337295 Location: Room 122 Result(ppb): <100
Client No.: FD-3 * Sample acidified to pH <2.

Lab No.: 7337296 Location: Room 122 Result(ppb): <100
Client No.: FL-3 * Sample acidified to pH <2.

Lab No.: 7337297 Location: Room 121 Result(ppb): <100
Client No.: FD-4 * Sample acidified to pH <2.

Lab No.: 7337298 Location: Room 121 Result(ppb): <100
Client No.: FL-4 * Sample acidified to pH <2.

Lab No.: 7337299 Location: Room 119 Result(ppb): <100
Client No.: FD-5 * Sample acidified to pH <2.

Lab No.: 7337300 Location: Room 119 Result(ppb): <100
Client No.: FL-5 * Sample acidified to pH <2.

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

Date Received: 12/29/2021
Date Analyzed: 01/10/2022
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: 1/10/2022
Report No.: 649908 - Copper Water
Project: DCF Monmouth
Project No.: 2136.15

Client: VHB973

COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7337301 Location: Room 117 Result(ppb): <100
Client No.: FD-6 * Sample acidified to pH <2.

Lab No.: 7337302 Location: Room 117 Result(ppb): <100
Client No.: FL-6 * Sample acidified to pH <2.

Lab No.: 7337303 Location: Kitchen Sink Result(ppb): <100
Client No.: FD-7 * Sample acidified to pH <2.

Lab No.: 7337304 Location: Kitchen Sink Result(ppb): <100
Client No.: FL-7 * Sample acidified to pH <2.

Lab No.: 7337305 Location: Room 106 Result(ppb): <100
Client No.: FD-8 * Sample acidified to pH <2.

Lab No.: 7337306 Location: Room 106 Result(ppb): <100
Client No.: FL-8 * Sample acidified to pH <2.

Lab No.: 7337307 Location: Room 107 Result(ppb): <100
Client No.: FD-9 * Sample acidified to pH <2.

Lab No.: 7337308 Location: Room 107 Result(ppb): <100
Client No.: FL-9 * Sample acidified to pH <2.

Lab No.: 7337309 Location: Room 113 Result(ppb): <100
Client No.: FD-10 * Sample acidified to pH <2.

Lab No.: 7337310 Location: Room 113 Result(ppb): <100
Client No.: FL-10 * Sample acidified to pH <2.

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

Date Received: 12/29/2021
Date Analyzed: 01/10/2022
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: 1/10/2022
Report No.: 649908 - Copper Water
Project: DCF Monmouth
Project No.: 2136.15

Client: VHB973

COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7337311 Location: Room 114 Result(ppb): <100
Client No.: FD-11 * Sample acidified to pH <2.


Lab No.: 7337312 Location: Room 114 Result(ppb): <100
Client No.: FL-11 * Sample acidified to pH <2.


Lab No.: 7337313 Location: Room 108 Result(ppb): <100
Client No.: FD-12 * Sample acidified to pH <2.

Lab No.: 7337314 Location: Room 108 Result(ppb): <100
Client No.: FL-12 * Sample acidified to pH <2.

Lab No.: 7337315 Location: Kitchen Ice Machine Result(ppb): <100
Client No.: FD-13 * Sample acidified to pH <2.

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

Date Received: 12/29/2021
Date Analyzed: 01/10/2022
Signature: 
Analyst: Mark Stewart

Approved By: 
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Report Date: 1/10/2022
Report No.: 649908 - Copper Water
Project: DCF Monmouth
Project No.: 2136.15

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.

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

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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.

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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 : 1/11/2022 8:30:02

Page 4 of 5

CERTIFICATE OF ANALYSIS

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

Report Date: 1/10/2022
Report No.: 649908 - Copper Water
Project: DCF Monmouth
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Client: VHB973

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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 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: <u>VHB</u>	Project Number: <u>2136.15</u>
Office Address: <u>1805 Atlantic Ave</u>	Project Name: <u>DCF Monmouth</u>
City, State, Zip: <u>Manasquan, NJ, 08736</u>	Primary Contact: <u>John Russo</u>
Fax Number: _____	Office Phone: <u>732-233-1185</u>
Email Address: <u>jrusso@vhb.com</u>	Cell Phone: _____

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"/> <u>Lead + Copper Drinking water</u>
Analysis Method:	
<input type="checkbox"/> PCM: NIOSH 7400	<input type="checkbox"/> PLM: Bulk Asbestos EPA 600
<input type="checkbox"/> PCM: OSHA	<input type="checkbox"/> PLM: Point Counting 198.1
<input type="checkbox"/> PCM: TWA	<input type="checkbox"/> PLM: NOB via 198.6 (PLM only)
<input type="checkbox"/> Total Dust: NIOSH 0500	<input type="checkbox"/> If <1% by PLM, to TEM via 198.4 2
<input type="checkbox"/> Total Dust: NIOSH 0600	
<input type="checkbox"/> AAS: Lead in Air	<input type="checkbox"/> TEM: AHERA
<input type="checkbox"/> AAS: Lead in Water	<input type="checkbox"/> TEM: NIOSH 7402
<input type="checkbox"/> AAS: Lead in Paint	<input type="checkbox"/> TEM: ISO 10312
<input type="checkbox"/> AAS: Lead Dust/Wipe ₁	<input type="checkbox"/> TEM: ISO 13794
<input type="checkbox"/> AAS: Lead in Soil	<input type="checkbox"/> TEM: Wipe ASTM 6480
<input type="checkbox"/> AAS: TCLP	<input type="checkbox"/> TEM: Microvac ASTM D5755
<input type="checkbox"/> AAS: Metals [Cd, Zn, Cr-circle]	<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
<i>1- Requires ASTM acceptable material 2- Call to confirm TAT 3- Non-culturable 4- With Non-fungal Microscopic Exam</i>	
Special Instructions:	
<u>Flush (FL) only analyzed if first draw (FD) has exceedance. Lead and Copper NJ Child Care Facility Preservative NOT added.</u>	

Turnaround Time	
Preliminary Results Requested Date: <u>Standard</u>	<input type="checkbox"/> Verbal <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax
Specific date / time	
<input type="checkbox"/> 10 Day <input 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 checked="" type="checkbox"/> FedEx	<input type="checkbox"/> UPS <input type="checkbox"/> USPS <input type="checkbox"/> Other
RECEIVED	

Chain of Custody	
Relinquished (Name/Organization): <u>VHB</u>	Date: <u>12/28/2021</u>
Received (Name / iATL): _____	Time: <u>Fed Ex</u>
Sample Login (Name / iATL): _____	Date: _____
Analyst (Name(s) / iATL): <u>ms</u>	Time: <u>2:09 2022</u>
QA/QC Review (Name / iATL): <u>h.1/4/22</u>	Date: <u>1/3/22</u>
Archived / Released: _____	Time: _____
QA/QC InterLAB Use: _____	Date: _____
	Time: _____

Sample Log

– Environmental Lead –

Client: DCF Regional School Monmouth County Project: DCF Regional School Monmouth County

Sampling Date/Time: 12/28/2021

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft ²) Volume (L)	Results ()
FD-1	7337291	Room 118	N/A	N/A	N/A	250ml	
FL-1	7337292	↓					
FD-2	7337293	Room 120					
FL-2	7337294	↓					
FD-3	7337295	Room 122					
FL-3	7337296	↓					
FD-4	7337297	Room 121					
FL-4	7337298	↓					
FD-5	7337299	Room 119					
FL-5	7337300	↓					
FD-6	7337301	Room 117					
FL-6	7337302	↓					
FD-7	7337303	Kitchen Sinks					
FL-7	7337304	↓					
FD-8	7337305	Room 106	↓	↓	↓	↓	

* = 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

—Environmental Lead—

Client: DCF Regional School Monmouth County Project: DCF Regional School Monmouth County

Sampling Date/Time: 12/28/2021

Client Sample #	iATL #	Location/Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ()
FL-8	7337306	Room 106	N/A	N/A	N/A	(R) 250M	
FD-9	7337307	Room 107				↓	
FL-9	7337308	↓					
FD-10	7337309	Room 113					
FL-10	7337310	↓					
FD-11	7337311	Room 114					
FL-11	7337312	↓					
FD-12	7337313	Room 108					
FL-12	7337314	↓					
FD-13	7337315	Kitchen Ice Machine					
	Acidified MS						
	12/30/21 19:30						

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

** = Insufficient Sample Provided to Analyze (<50mg) *** = Matrix / Substrate Interference Possible

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