

CERTIFICATE OF ANALYSIS

Client: Health & Safety Services, Inc
PO Box 365
Berlin NJ 08009

Client: HEA198

Report Date: 12/5/2019
Report No.: 605251 - Lead Water
Project: Belmont Academy
Project No.: 19-1126-10

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6927695 Location:Cafe-Child Wash 1 Result(ppb):<1.00
Client No.:77 * Sample acidified to pH <2.

Lab No.:6927696 Location:Cafe-Child Wash 2 Result(ppb):1.70
Client No.:78 * Sample acidified to pH <2.

Lab No.:6927697 Location:Cafe-Service Line Wash Result(ppb):<1.00
Client No.:79 * Sample acidified to pH <2.

Lab No.:6927698 Location:Cafe-Inc Machine Result(ppb):<1.00
Client No.:80 * Sample acidified to pH <2.

Lab No.:6927699 Location:Kitchen-Prep Result(ppb):5.00
Client No.:81 * Sample acidified to pH <2.

Lab No.:6927700 Location:1st-GN-1 Result(ppb):<1.00
Client No.:82 * Sample acidified to pH <2.


Lab No.:6927701 Location:1st-GN-2 Result(ppb):<1.00
Client No.:83 * Sample acidified to pH <2.


Lab No.:6927702 Location:1st-Adult RR Result(ppb):<1.00
Client No.:84 * Sample acidified to pH <2.

Lab No.:6927703 Location:1st-Main Office Result(ppb):<1.00
Client No.:85 * Sample acidified to pH <2.

Lab No.:6927704 Location:1st-Room 101 Result(ppb):<1.00
Client No.:86 * Sample acidified to pH <2.

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

Date Received: 11/27/2019
Date Analyzed: 12/05/2019
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

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PO Box 365
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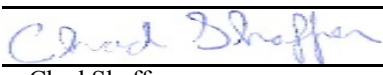
Client: HEA198


Report Date: 12/5/2019
Report No.: 605251 - Lead Water
Project: Belmont Academy
Project No.: 19-1126-10

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6927705 Client No.:87	Location:1st-Room 102 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:6927706 Client No.:88	Location:1st-Room 103 S1 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:6927707 Client No.:89	Location:1st-Room 103 S2 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:6927708 Client No.:90	Location:1st-Room 105 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:6927709 Client No.:91	Location:1st-Room 104 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:6927710 Client No.:92	Location:Stage-Kid's RR * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:6927711 Client No.:93	Location:Stage-Staff RR * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:6927712 Client No.:94	Location:2nd Floor-Room 201 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:6927713 Client No.:95	Location:3rd Floor-Room 300 * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:6927714 Client No.:96	Location:2nd Floor-RR1 * Sample acidified to pH <2.	Result(ppb):1.50

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LEAD WATER SAMPLE ANALYSIS SUMMARY

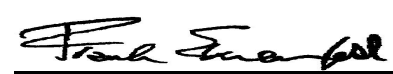
Lab No.:6927715
Client No.:97

Location:2nd Floor-RR2
* Sample acidified to pH <2.

Result(ppb):1.10

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6927716 Location:Cafe-Child Wash 1 Result(ppb):Sample Not Analyzed
Client No.:98 * Sample acidified to pH <2.

Lab No.:6927717 Location:Cafe-Child Wash 2 Result(ppb):Sample Not Analyzed
Client No.:99 * Sample acidified to pH <2.

Lab No.:6927718 Location:Cafe-Service Line Wash Result(ppb):Sample Not Analyzed
Client No.:100 * Sample acidified to pH <2.

Lab No.:6927719 Location:Cafe-Ice Machine Result(ppb):Sample Not Analyzed
Client No.:101 * Sample acidified to pH <2.

Lab No.:6927720 Location:Kit-Prep Result(ppb):Sample Not Analyzed
Client No.:102 * Sample acidified to pH <2.

Lab No.:6927721 Location:1st-GN-1 Result(ppb):Sample Not Analyzed
Client No.:103 * Sample acidified to pH <2.

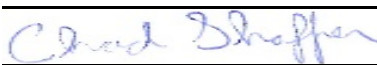
Lab No.:6927722 Location:1st-GN-2 Result(ppb):Sample Not Analyzed
Client No.:104 * Sample acidified to pH <2.

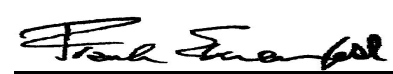
Lab No.:6927723 Location:1st-Adult Result(ppb):Sample Not Analyzed
Client No.:105 * Sample acidified to pH <2.

Lab No.:6927724 Location:1st-Main Office Result(ppb):Sample Not Analyzed
Client No.:106 * Sample acidified to pH <2.

Lab No.:6927725 Location:1st-Room 101 Result(ppb):Sample Not Analyzed
Client No.:107 * Sample acidified to pH <2.

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

Date Received: 11/27/2019
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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6927726 Location:1st-Room 102 Result(ppb):Sample Not Analyzed
Client No.:108 * Sample acidified to pH <2.

Lab No.:6927727 Location:1st-Room 103 S1 Result(ppb):Sample Not Analyzed
Client No.:109 * Sample acidified to pH <2.

Lab No.:6927728 Location:1st-Room 103 S2 Result(ppb):Sample Not Analyzed
Client No.:110 * Sample acidified to pH <2.

Lab No.:6927729 Location:1st-Room 105 Result(ppb):Sample Not Analyzed
Client No.:111 * Sample acidified to pH <2.

Lab No.:6927730 Location:1st-Room 104 Result(ppb):Sample Not Analyzed
Client No.:112 * Sample acidified to pH <2.

Lab No.:6927731 Location:Stage-Kid's RR Result(ppb):Sample Not Analyzed
Client No.:113 * Sample acidified to pH <2.

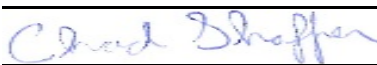
Lab No.:6927732 Location:Stage-Staff Result(ppb):Sample Not Analyzed
Client No.:114 * Sample acidified to pH <2.

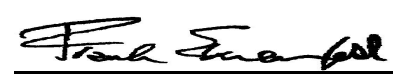
Lab No.:6927733 Location:2nd-Room 201 Result(ppb):Sample Not Analyzed
Client No.:115 * Sample acidified to pH <2.

Lab No.:6927734 Location:3rd-Room 300 Result(ppb):Sample Not Analyzed
Client No.:116 * Sample acidified to pH <2.

Lab No.:6927735 Location:3rd-RR-1 Result(ppb):Sample Not Analyzed
Client No.:117 * Sample acidified to pH <2.

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

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Report Date: 12/5/2019
Report No.: 605251 - Lead Water
Project: Belmont Academy
Project No.: 19-1126-10


LEAD WATER SAMPLE ANALYSIS SUMMARY


Lab No.:6927736
Client No.:118

Location:3rd-RR-2
* 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: 11/27/2019
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Laboratory Director

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Project: Belmont Academy
Project No.: 19-1126-10

Client: HEA198

Appendix to Analytical Report:

Customer Contact: Jim Proctor
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

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Report Date: 12/5/2019
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Project: Belmont Academy
Project No.: 19-1126-10

Client: HEA198

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.

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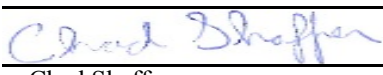
Client: HEA198


Report Date: 12/5/2019
Report No.: 605251 - Copper Water
Project: Belmont Academy
Project No.: 19-1126-10

COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6927695 Client No.:77	Location:Cafe-Child Wash 1 * Sample acidified to pH <2.	Result(ppb):300
Lab No.:6927696 Client No.:78	Location:Cafe-Child Wash 2 * Sample acidified to pH <2.	Result(ppb):310
Lab No.:6927697 Client No.:79	Location:Cafe-Service Line Wash * Sample acidified to pH <2.	Result(ppb):313
Lab No.:6927698 Client No.:80	Location:Cafe-Inc Machine * Sample acidified to pH <2.	Result(ppb):240
Lab No.:6927699 Client No.:81	Location:Kitchen-Prep * Sample acidified to pH <2.	Result(ppb):781
Lab No.:6927700 Client No.:82	Location:1st-GN-1 * Sample acidified to pH <2.	Result(ppb):587
Lab No.:6927701 Client No.:83	Location:1st-GN-2 * Sample acidified to pH <2.	Result(ppb):640
Lab No.:6927702 Client No.:84	Location:1st-Adult RR * Sample acidified to pH <2.	Result(ppb):421
Lab No.:6927703 Client No.:85	Location:1st-Main Office * Sample acidified to pH <2.	Result(ppb):<50.0
Lab No.:6927704 Client No.:86	Location:1st-Room 101 * Sample acidified to pH <2.	Result(ppb):675

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Analyst: Chad Shaffer

Approved By: 
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Laboratory Director

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Client: HEA198

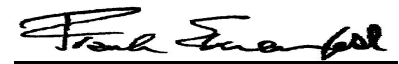
Report Date: 12/5/2019
Report No.: 605251 - Copper Water
Project: Belmont Academy
Project No.: 19-1126-10

COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6927705 Client No.:87	Location:1st-Room 102 * Sample acidified to pH <2.	Result(ppb):574
Lab No.:6927706 Client No.:88	Location:1st-Room 103 S1 * Sample acidified to pH <2.	Result(ppb):457
Lab No.:6927707 Client No.:89	Location:1st-Room 103 S2 * Sample acidified to pH <2.	Result(ppb):623
Lab No.:6927708 Client No.:90	Location:1st-Room 105 * Sample acidified to pH <2.	Result(ppb):77.0
Lab No.:6927709 Client No.:91	Location:1st-Room 104 * Sample acidified to pH <2.	Result(ppb):<50.0
Lab No.:6927710 Client No.:92	Location:Stage-Kid's RR * Sample acidified to pH <2.	Result(ppb):191
Lab No.:6927711 Client No.:93	Location:Stage-Staff RR * Sample acidified to pH <2.	Result(ppb):546
Lab No.:6927712 Client No.:94	Location:2nd Floor-Room 201 * Sample acidified to pH <2.	Result(ppb):616
Lab No.:6927713 Client No.:95	Location:3rd Floor-Room 300 * Sample acidified to pH <2.	Result(ppb):693
Lab No.:6927714 Client No.:96	Location:2nd Floor-RR1 * Sample acidified to pH <2.	Result(ppb):445

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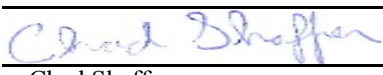
Client: HEA198


Report Date: 12/5/2019
Report No.: 605251 - Copper Water
Project: Belmont Academy
Project No.: 19-1126-10

COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6927715 Client No.:97	Location:2nd Floor-RR2 * Sample acidified to pH <2.	Result(ppb):568
Lab No.:6927716 Client No.:98	Location:Cafe-Child Wash 1 * Sample acidified to pH <2.	Result(ppb):Sample Not Analyzed
Lab No.:6927717 Client No.:99	Location:Cafe-Child Wash 2 * Sample acidified to pH <2.	Result(ppb):Sample Not Analyzed
Lab No.:6927718 Client No.:100	Location:Cafe-Service Line Wash * Sample acidified to pH <2.	Result(ppb):Sample Not Analyzed
Lab No.:6927719 Client No.:101	Location:Cafe-Ice Machine * Sample acidified to pH <2.	Result(ppb):Sample Not Analyzed
Lab No.:6927720 Client No.:102	Location:Kit-Prep * Sample acidified to pH <2.	Result(ppb):Sample Not Analyzed
Lab No.:6927721 Client No.:103	Location:1st-GN-1 * Sample acidified to pH <2.	Result(ppb):Sample Not Analyzed
Lab No.:6927722 Client No.:104	Location:1st-GN-2 * Sample acidified to pH <2.	Result(ppb):Sample Not Analyzed
Lab No.:6927723 Client No.:105	Location:1st-Adult * Sample acidified to pH <2.	Result(ppb):Sample Not Analyzed
Lab No.:6927724 Client No.:106	Location:1st-Main Office * Sample acidified to pH <2.	Result(ppb):Sample Not Analyzed

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

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Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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Report Date: 12/5/2019
Report No.: 605251 - Copper Water
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Project No.: 19-1126-10

COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6927725 Location:1st-Room 101 Result(ppb):Sample Not Analyzed
Client No.:107 * Sample acidified to pH <2.

Lab No.:6927726 Location:1st-Room 102 Result(ppb):Sample Not Analyzed
Client No.:108 * Sample acidified to pH <2.

Lab No.:6927727 Location:1st-Room 103 S1 Result(ppb):Sample Not Analyzed
Client No.:109 * Sample acidified to pH <2.

Lab No.:6927728 Location:1st-Room 103 S2 Result(ppb):Sample Not Analyzed
Client No.:110 * Sample acidified to pH <2.

Lab No.:6927729 Location:1st-Room 105 Result(ppb):Sample Not Analyzed
Client No.:111 * Sample acidified to pH <2.

Lab No.:6927730 Location:1st-Room 104 Result(ppb):Sample Not Analyzed
Client No.:112 * Sample acidified to pH <2.

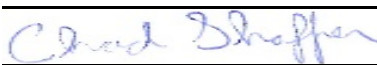
Lab No.:6927731 Location:Stage-Kid's RR Result(ppb):Sample Not Analyzed
Client No.:113 * Sample acidified to pH <2.

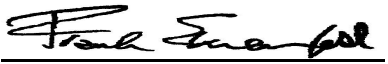
Lab No.:6927732 Location:Stage-Staff Result(ppb):Sample Not Analyzed
Client No.:114 * Sample acidified to pH <2.

Lab No.:6927733 Location:2nd-Room 201 Result(ppb):Sample Not Analyzed
Client No.:115 * Sample acidified to pH <2.

Lab No.:6927734 Location:3rd-Room 300 Result(ppb):Sample Not Analyzed
Client No.:116 * Sample acidified to pH <2.

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COPPER WATER SAMPLE ANALYSIS SUMMARY

Lab No.:6927735
Client No.:117

Location:3rd-RR-1
* Sample acidified to pH <2.

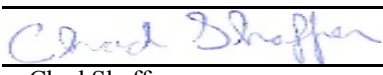
Result(ppb):Sample Not Analyzed


Lab No.:6927736
Client No.:118

Location:3rd-RR-2
* Sample acidified to pH <2.

Result(ppb):Sample Not Analyzed

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Report No.: 605251 - Copper Water
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Project No.: 19-1126-10

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Appendix to Analytical Report:

Customer Contact: Jim Proctor
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

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, impartiality, sample archival and disposal, and data interpretation. See also www.iatl.com/resources/FAQ

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:

CERTIFICATE OF ANALYSIS

Client: Health & Safety Services, Inc
PO Box 365
Berlin NJ 08009

Report Date: 12/5/2019
Report No.: 605251 - Copper Water
Project: Belmont Academy
Project No.: 19-1126-10

Client: HEA198

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 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.