

CERTIFICATE OF ANALYSIS

Client: Garden State Environmental, Inc.
555 S Broad St. Ste. K
Glen Rock NJ 07452

Client: GAR373

Report Date: 5/24/2022
Report No.: 661391 - Lead Water
Project: Carlstadt Public School
Project No.: 8065

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7429633 Location: Kitchen 2 Comp (R) Result(ppb): <1.00
Client No.: C-FP-01A * Sample acidified to pH <2.

Lab No.: 7429634 Location: Kitchen 2 Comp (L) Result(ppb): <1.00
Client No.: C-FP-02A * Sample acidified to pH <2.

Lab No.: 7429635 Location: In Front Of 2 Comp Result(ppb): 2.10
Client No.: C-FP-03A * Sample acidified to pH <2.

Lab No.: 7429636 Location: In Front Of Serving Line (R) Result(ppb): <1.00
Client No.: C-FP-04A * Sample acidified to pH <2.

Lab No.: 7429637 Location: Sink In Front Of Stove Result(ppb): 1.10
Client No.: C-FP-05A * Sample acidified to pH <2.

Lab No.: 7429638 Location: Pot Filler Attached To Stove Result(ppb): 11.3
Client No.: C-PF-01A * Sample acidified to pH <2.


Lab No.: 7429639 Location: Hose Next To Cleveland Result(ppb): <1.00
Client No.: C-H-01A * Sample acidified to pH <2.


Lab No.: 7429640 Location: In Front Of Serving Line (L) Result(ppb): <1.00
Client No.: C-FP-06A * Sample acidified to pH <2.

Lab No.: 7429641 Location: Kitchen: Back Room 31A Result(ppb): 16.4
Client No.: C-FP-07A * Sample acidified to pH <2.

Lab No.: 7429642 Location: Teacher's Lounge Result(ppb): <1.00
Client No.: C-TL-01A * Sample acidified to pH <2.

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

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Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7429643 Location: Room 18 Result(ppb): 7.40
Client No.: C-DW-01A * Sample acidified to pH <2.

Lab No.: 7429644 Location: LL Hallway (R) Result(ppb): 2.30
Client No.: C-WC-01A * Sample acidified to pH <2.

Lab No.: 7429645 Location: LL Hallway (L) Result(ppb): <1.00
Client No.: C-WC-02A * Sample acidified to pH <2.

Lab No.: 7429646 Location: Room 04 Result(ppb): 4.60
Client No.: C-DW-02A * Sample acidified to pH <2.

Lab No.: 7429647 Location: Boy's LR (R) Result(ppb): <1.00
Client No.: C-WC-03A * Sample acidified to pH <2.

Lab No.: 7429648 Location: Boy's LR (L) Result(ppb): <1.00
Client No.: C-WC-04A * Sample acidified to pH <2.


Lab No.: 7429649 Location: Gym B: Outside Boy's LR (R) Result(ppb): <1.00
Client No.: C-WC-05A * Sample acidified to pH <2.


Lab No.: 7429650 Location: Gym B: Outside Boy's LR (L) Result(ppb): <1.00
Client No.: C-WC-06A * Sample acidified to pH <2.

Lab No.: 7429651 Location: Girl's LR (L) Result(ppb): 3.10
Client No.: C-WC-07A * Sample acidified to pH <2.

Lab No.: 7429652 Location: Girl's LR (R) Result(ppb): <1.00
Client No.: C-WC-08A * Sample acidified to pH <2.

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Lab No.: 7429653 Client No.: C-WC-09A	Location: Gym B: Outside Girl's LR (L) * Sample acidified to pH <2.	Result(ppb): 1.20
Lab No.: 7429654 Client No.: C-WC-10A	Location: Gym B: Outside Girl's LR (R) * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7429655 Client No.: C-DW-03A	Location: Main Office * Sample acidified to pH <2.	Result(ppb): 3.80
Lab No.: 7429656 Client No.: C-DW-04A	Location: Room 108 * Sample acidified to pH <2.	Result(ppb): 1.70
Lab No.: 7429657 Client No.: C-DW-05A	Location: Room 109 * Sample acidified to pH <2.	Result(ppb): 1.10
Lab No.: 7429658 Client No.: C-DW-06A	Location: Room 112 * Sample acidified to pH <2.	Result(ppb): 1.60
Lab No.: 7429659 Client No.: C-DW-07A	Location: Room 113 * Sample acidified to pH <2.	Result(ppb): 2.50
Lab No.: 7429660 Client No.: C-DW-08A	Location: Room 114 * Sample acidified to pH <2.	Result(ppb): 1.60
Lab No.: 7429661 Client No.: C-DW-09A	Location: Room 117 * Sample acidified to pH <2.	Result(ppb): 11.1
Lab No.: 7429662 Client No.: C-DW-10A	Location: Nurse * Sample acidified to pH <2.	Result(ppb): 3.60

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Lab No.: 7429663 Location: 1st Floor Hall (R) Result(ppb): <1.00
Client No.: C-WC-11A * Sample acidified to pH <2.

Lab No.: 7429664 Location: 1st Floor Hall (L) Result(ppb): <1.00
Client No.: C-WC-12A * Sample acidified to pH <2.

Lab No.: 7429665 Location: Room 156 Result(ppb): 1.00
Client No.: C-DW-11A * Sample acidified to pH <2.

Lab No.: 7429666 Location: Room 155 Result(ppb): 1.40
Client No.: C-DW-12A * Sample acidified to pH <2.

Lab No.: 7429667 Location: Room 147 Result(ppb): 2.30
Client No.: C-DW-13A * Sample acidified to pH <2.

Lab No.: 7429668 Location: Room 154 Result(ppb): 1.40
Client No.: C-DW-14A * Sample acidified to pH <2.


Lab No.: 7429669 Location: Room 153 Result(ppb): 2.00
Client No.: C-DW-15A * Sample acidified to pH <2.


Lab No.: 7429670 Location: Room 148 Result(ppb): 1.70
Client No.: C-DW-16A * Sample acidified to pH <2.

Lab No.: 7429671 Location: Room 152 Result(ppb): 3.20
Client No.: C-DW-17A * Sample acidified to pH <2.

Lab No.: 7429672 Location: Room 149 Result(ppb): 1.30
Client No.: C-DW-18A * Sample acidified to pH <2.

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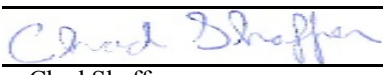
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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7429673 Client No.: C-DW-19A	Location: Room 150 * Sample acidified to pH <2.	Result(ppb): 3.20
Lab No.: 7429674 Client No.: C-S-01A	Location: Room 209 * Sample acidified to pH <2.	Result(ppb): 3.00
Lab No.: 7429675 Client No.: C-DW-20A	Location: Room 203 * Sample acidified to pH <2.	Result(ppb): 6.70
Lab No.: 7429676 Client No.: C-DW-21A	Location: Room 202 * Sample acidified to pH <2.	Result(ppb): <1.00
Lab No.: 7429677 Client No.: C-WC-13A	Location: 2nd Floor Hall (R) * Sample acidified to pH <2.	Result(ppb): <1.00

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Lab No.: 7429678 Location: 2nd Floor Hall (R) Result(ppb): <1.00
Client No.: C-WC-14A * Sample acidified to pH <2.

Lab No.: 7429679 Location: Room 238 Result(ppb): 1.90
Client No.: C-DW-22A * Sample acidified to pH <2.

Lab No.: 7429680 Location: Room 237 Result(ppb): 1.40
Client No.: C-DW-23A * Sample acidified to pH <2.

Lab No.: 7429681 Location: Room 227 Result(ppb): <1.00
Client No.: C-DW-24A * Sample acidified to pH <2.

Lab No.: 7429682 Location: Room 236 Result(ppb): 1.90
Client No.: C-DW-25A * Sample acidified to pH <2.

Lab No.: 7429683 Location: Room 235 Result(ppb): 3.30
Client No.: C-DW-26A * Sample acidified to pH <2.


Lab No.: 7429684 Location: Room 228 Result(ppb): 2.30
Client No.: C-DW-27A * Sample acidified to pH <2.

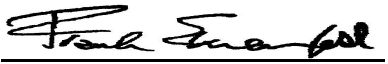
Lab No.: 7429685 Location: Room 234 Result(ppb): 1.70
Client No.: C-DW-28A * Sample acidified to pH <2.

Lab No.: 7429686 Location: Room 229 Result(ppb): 2.40
Client No.: C-DW-29A * Sample acidified to pH <2.

Lab No.: 7429687 Location: Room 230 Result(ppb): 1.80
Client No.: C-DW-30A * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY


Lab No.: 7429688 **Location:** Room 302 **Result(ppb):** <1.00
Client No.: C-DW-31A * Sample acidified to pH <2.


Lab No.: 7429689 **Location:** 3rd Floor Hall (R) **Result(ppb):** <1.00
Client No.: C-WC-15A * Sample acidified to pH <2.

Lab No.: 7429690 **Location:** 3rd Floor Hall (L) **Result(ppb):** <1.00
Client No.: C-WC-16A * Sample acidified to pH <2.

Lab No.: 7429691 **Location:** **Result(ppb):** <1.00
Client No.: C-4-30-FBA * Sample acidified to pH <2.

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Appendix to Analytical Report:

Customer Contact: Send ALL Lab Reports
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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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.