

CERTIFICATE OF ANALYSIS

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

Report Date: 4/8/2022  
Report No.: 657739 - Lead Water  
Project: Chester: Dickerson School  
Project No.: 8228

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

**Lab No.:** 7401115                      **Location:** Room 105                      **Result(ppb):** <1.00  
**Client No.:** CD-1-B-01A              \* Sample acidified to pH <2.

**Lab No.:** 7401116                      **Location:** Room 106                      **Result(ppb):** <1.00  
**Client No.:** CD-1-B-02A              \* Sample acidified to pH <2.

**Lab No.:** 7401117                      **Location:** Room 103                      **Result(ppb):** 3.10  
**Client No.:** CD-1-B-03A              \* Sample acidified to pH <2.

**Lab No.:** 7401118                      **Location:** Room 104                      **Result(ppb):** 9.40  
**Client No.:** CD-1-B-04A              \* Sample acidified to pH <2.

**Lab No.:** 7401119                      **Location:** Room 101                      **Result(ppb):** 4.00  
**Client No.:** CD-1-B-05A              \* Sample acidified to pH <2.

**Lab No.:** 7401120                      **Location:** Room 102                      **Result(ppb):** 5.10  
**Client No.:** CD-1-B-06A              \* Sample acidified to pH <2.

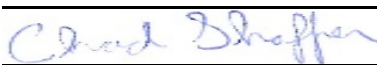
**Lab No.:** 7401121                      **Location:** Room 107                      **Result(ppb):** 4.30  
**Client No.:** CD-1-B-07A              \* Sample acidified to pH <2.

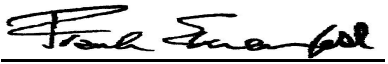
**Lab No.:** 7401122                      **Location:** Nurse Room                      **Result(ppb):** 1.30  
**Client No.:** CD-1-S-01A              \* Sample acidified to pH <2.

**Lab No.:** 7401123                      **Location:** Nurse Room                      **Result(ppb):** <1.00  
**Client No.:** CD-1-B-09A              \* Sample acidified to pH <2.

**Lab No.:** 7401124                      **Location:** Room 115                      **Result(ppb):** 1.70  
**Client No.:** CD-1-B-10A              \* Sample acidified to pH <2.

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

Date Received: 4/5/2022  
Date Analyzed: 04/08/2022  
Signature:   
Analyst: Chad Shaffer

Approved By:   
Frank E. Ehrenfeld, III  
Laboratory Director

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Lab No.: 7401125                      Location: Room 116                      Result(ppb): 7.30  
Client No.: CD-1-B-11A              \* Sample acidified to pH <2.

Lab No.: 7401126                      Location: Room 117                      Result(ppb): 26.4  
Client No.: CD-1-B-12A              \* Sample acidified to pH <2.

Lab No.: 7401127                      Location: Room 118                      Result(ppb): 2.70  
Client No.: CD-1-B-13A              \* Sample acidified to pH <2.

Lab No.: 7401128                      Location: Lounge                      Result(ppb): 3.10  
Client No.: CD-1-S-02A              \* Sample acidified to pH <2.

Lab No.: 7401129                      Location: Room 203                      Result(ppb): 6.10  
Client No.: CD-1-B-14A              \* Sample acidified to pH <2.

Lab No.: 7401130                      Location: Room 206                      Result(ppb): 3.70  
Client No.: CD-1-B-16A              \* Sample acidified to pH <2.

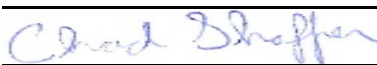
Lab No.: 7401131                      Location: Room 207                      Result(ppb): 2.50  
Client No.: CD-1-B-15A              \* Sample acidified to pH <2.


Lab No.: 7401132                      Location: Room 209                      Result(ppb): 1.40  
Client No.: CD-1-B-18A              \* Sample acidified to pH <2.

Lab No.: 7401133                      Location: Room 208                      Result(ppb): 2.80  
Client No.: CD-1-B-19A              \* Sample acidified to pH <2.

Lab No.: 7401134                      Location: Room 211                      Result(ppb): 8.10  
Client No.: CD-1-B-20A              \* Sample acidified to pH <2.

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Lab No.: 7401135                      Location: Room 211                      Result(ppb): 2.70  
Client No.: CD-1-S-04A              \* Sample acidified to pH <2.

Lab No.: 7401136                      Location: Room 212                      Result(ppb): 4.20  
Client No.: CD-1-B-21A              \* Sample acidified to pH <2.

Lab No.: 7401137                      Location: Room 213                      Result(ppb): 6.50  
Client No.: CD-1-B-22A              \* Sample acidified to pH <2.

Lab No.: 7401138                      Location: Room 215                      Result(ppb): 6.00  
Client No.: CD-1-B-23A              \* Sample acidified to pH <2.

Lab No.: 7401139                      Location: Room 214B                      Result(ppb): 1.20  
Client No.: CD-1-B-24A              \* Sample acidified to pH <2.

Lab No.: 7401140                      Location: Room 216                      Result(ppb): 1.70  
Client No.: CD-1-B-25A              \* Sample acidified to pH <2.

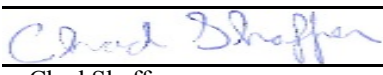
Lab No.: 7401141                      Location: Room 217                      Result(ppb): 1.70  
Client No.: CD-1-B-26A              \* Sample acidified to pH <2.


Lab No.: 7401142                      Location: Room 218                      Result(ppb): 1.00  
Client No.: CD-1-B-27A              \* Sample acidified to pH <2.

Lab No.: 7401143                      Location: Room 219                      Result(ppb): 1.20  
Client No.: CD-1-B-28A              \* Sample acidified to pH <2.

Lab No.: 7401144                      Location: Room 221                      Result(ppb): 1.70  
Client No.: CD-1-B-29A              \* Sample acidified to pH <2.

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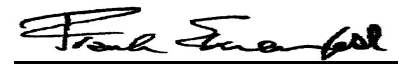
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LEAD WATER SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7401145 <b>Client No.:</b> CD-1-B-30A	<b>Location:</b> Room 223 * Sample acidified to pH <2.	<b>Result(ppb):</b> 1.40
<b>Lab No.:</b> 7401146 <b>Client No.:</b> CD-1-B-31A	<b>Location:</b> Room 225 * Sample acidified to pH <2.	<b>Result(ppb):</b> 1.50
<b>Lab No.:</b> 7401147 <b>Client No.:</b> CD-1-WC-01A	<b>Location:</b> Hall By Gym (L) * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7401148 <b>Client No.:</b> CD-1-WC-02A	<b>Location:</b> Hall By Gym (R) * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7401149 <b>Client No.:</b> CD-1-BF-01A	<b>Location:</b> Hall By Gym * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7401150 <b>Client No.:</b> CD-1-S-03A	<b>Location:</b> Kitchen * Sample acidified to pH <2.	<b>Result(ppb):</b> 1.00
<b>Lab No.:</b> 7401151 <b>Client No.:</b> CD-3-30-FBA	<b>Location:</b> Field Blank * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00

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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](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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**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.