

Report Date: August 26, 2022**Post Remediation Samples Collected:** August 17, 2022**CLIENT:** Cedar Grove Public Schools**NAME/TITLE:** John Bannon / Supervisor of Buildings and Grounds**LEAD IN DRINKING WATER: POST REMEDIATION SAMPLING INTERIM REPORT****LOCATION:** Cedar Grove High School**TYPE OF INSPECTION/TESTING:** Four (4) Post Remediation Sample**DESCRIPTION, FINDINGS AND RECOMMENDATIONS:**

Following elevated results of four (4) drinking water outlet (above the New Jersey Department of Education (NJDOE) Action Level (AL) of 15 PPB) at Cedar Grove High School, the District completed remediation by replacing the fixture of each outlet.

Two (2) of the outlets re-sampled showed results below the NJDOE AL and additional remediation is not necessary at this time. These drinking water outlets can now be put back into service for District use.

However, two (2) outlets came back above the NJDOE AL:

1. CGHS-2-S-07C = 23.4 PPB
2. CGHS-2-S-11C = 294.0 PPB

Contact your plumbing to discuss the remediation process used for the above listed outlets and determine what type of fixture, valves and/or solder was newly installed. If necessary, replace these with other materials or with the fixture used on samples S-09 and S-10; which were both below the NJDOE AL during post remediation sampling.

Please post the attached laboratory results on the School and District website.

Respectfully Submitted,



Tara Ekiert, BS
Industrial Hygienist

cc: Jane Boogaert & Brittney Christie (GSE)
Attachment – Laboratory results

Chain of Custody

– Environmental Lead –

Contact Information	
Client Company: Garden State Environmental, Inc.	Project Number: 8486
Office Address: 555 South Broad Street	Project Name: Cedar Grove High School
City, State, Zip: Glen Rock, NJ 07452	Primary Contact: Brittney Christie
Fax Number: 201-652-0612	Office Phone: 201-652-1119
Email Address: labreports@gseconsultants.com	Cell Phone: _____

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

Matrix/Method:

- Paint by AAS: ASTM D3335-85a, 2009
- Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010
- Air by AAS: NIOSH 7082, 1994
- Soil by AAS: EPA SW 846 (Soil)
- Water by AAS-GF: ASTM D3559-03D, US EPA 200.9
- Other Metals (Cd, Zn, Cr) by AAS
- Toxicity Characteristic Leaching Procedure (TCLP) by AAS: US EPA 1311
- Other _____

Special Instructions:

Turnaround Time

Preliminary Results Requested Date: _____ 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***

Chain of Custody

Relinquished (Name/Organization): Brittney Christie	Date: 8/17/2022	Time: 7:22am
Received (Name / iATL): _____	Date: _____	Time: _____
Sample Login (Name / iATL): _____	Date: _____	Time: _____
Analysis(Name(s) / iATL): MS	Date: 8/22/22	Time: AUG 18 2022
QA/QC Review (Name / iATL): L 8/23/22	Date: _____	Time: _____
Archived / Released: _____ QA/QC InterLAB Use: _____	Date: _____	Time: _____

RECEIVED

iATL By _____

Sample Log

—Environmental Lead—

Client: Garden State Environmental, Inc. Project: 8486: Cedar Grove High School

Sampling Date/Time: 8/17/2022

Client Sample #	iATL #	Location/Description	Flow Rate	Start End	Sampling time (min)	Area (ft ²) Volume (L)	Results ()
CGHS-2-S-07C	7480391	Nurse		6:14am	Initial		
CGHS-2-S-09C	7480392	Room 225, Right		6:18am	Initial		
CGHS-2-S-10C	7480393	Room 224		6:22am	Initial		
CGHS-2-S-11C	7480394	Science/Math		6:26am	Initial		
CGHS-8-17-FBC	7480395	Field Blank					
ACD.	SBC	SSP	50	8/19/22			

* = 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.

CERTIFICATE OF ANALYSIS

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

Report Date: 8/22/2022
Report No.: 667126 - Lead Water
Project: Cedar Grove HS
Project No.: 8486

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7480391 Location: Nurse Result(ppb): 23.4
Client No.: CGHS-2-S-07C * Sample acidified to pH <2.


Lab No.: 7480392 Location: Room 225, Right Result(ppb): 6.10
Client No.: CGHS-2-S-09C * Sample acidified to pH <2.


Lab No.: 7480393 Location: Room 224 Result(ppb): 3.30
Client No.: CGHS-2-S-10C * Sample acidified to pH <2.

Lab No.: 7480394 Location: Science/Math Result(ppb): 294
Client No.: CGHS-2-S-11C * Sample acidified to pH <2.

Lab No.: 7480395 Location: Field Blank Result(ppb): <1.00
Client No.: CGHS-8-17-FBC * Sample acidified to pH <2.

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

Date Received: 8/18/2022
Date Analyzed: 08/22/2022
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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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



9000 Commerce Parkway Suite B
Mt. Laurel, New Jersey 08054
Telephone: 856-231-9449
Email: customerservice@iatl.com

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Glen Rock NJ 07452

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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.