

CERTIFICATE OF ANALYSIS

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

Report Date: 8/31/2023  
Report No.: 688832 - Lead Water  
Project: Cedar Grove Memorial Middle School  
Project No.: 8486

Client: GAR373

LEAD WATER SAMPLE ANALYSIS SUMMARY

<b>Lab No.:</b> 7664470 <b>Client No.:</b> CGMMS-1-BF-05A	<b>Location:</b> Bottle Filler Outside Cafe Initial * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7664471 <b>Client No.:</b> CGMMS-1-BF-05B	<b>Location:</b> Bottle Filler Outside Cafe 30 Sec * Sample acidified to pH <2.	<b>Result(ppb):</b> Sample Not Analyzed
<b>Lab No.:</b> 7664472 <b>Client No.:</b> CGMMS-8-25-FBA	<b>Location:</b> Field Blank * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7664473 <b>Client No.:</b> CGMMS-8-25-FBB	<b>Location:</b> Field Blank * Sample acidified to pH <2.	<b>Result(ppb):</b> Sample Not Analyzed

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

Date Received: 8/28/2023  
Date Analyzed: 08/31/2023  
Signature:   
Analyst: Chad Shaffer

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](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



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

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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.



9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054  
 Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

## Chain of Custody

– Environmental Lead –

<b>Contact Information</b>	
<b>Client Company:</b> Garden State Environmental, inc.	<b>Project Number:</b> 8486
<b>Office Address:</b> 555 South Broad St.	<b>Project Name:</b> Cedar Grove Memorial Middle School
<b>City, State, Zip:</b> Glen Rock, NJ, 07452	<b>Primary Contact:</b> Kaitlynn Pinero
<b>Fax Number:</b> 201-652-0612	<b>Office Phone:</b> 201-652-1119
<b>Email Address:</b> labreports@gseconsultants.com	<b>Cell Phone:</b>

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:**

Only analyze "B" samples if "A" samples are elevated: 15 ppb Lead

**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): Kaitlynn Pinero (GSE)	Date: 8-25-23	Time: 1:50pm	
Received (Name / iATL): _____	Date: _____	Time: _____	
Sample Login (Name / iATL): _____	Date: _____	Time: _____	AUG 23
Analysis(Name(s) / iATL): <u>CS/3/23</u>	Date: _____	Time: _____	
QA/QC Review (Name / iATL): <u>L213423</u>	Date: _____	Time: _____	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date: _____	Time: _____

## Sample Log

—Environmental Lead—

Client: Garden State Environmental, inc. Project: 8486: Cedar Grove Memorial Middle School

Sampling Date/Time: 8-25-23 @ 7:10am

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
CGMMS-1-BF-05A	7664470	Bottle Filler outside <i>cafe</i>	-	7:11 am	Initial		
CGMMS-1-BF-05B	7664471	Bottle Filler outside <i>cafe</i>	-	7:13 am	30 Sec		
CGMMS-8-25-FBA	7664472	Field Blank	-	-	Initial		
CMMS-8-25-FBB	7664473	Field Blank	-	-	Flush		
	Acidified MS						
	8/28/23 JIC						

\* = 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.