Fair Lawn Public Schools

37-01 Fair Lawn Avenue, Fair Lawn, NJ **(201) 794-5500 x7090**
Email: nnorcia@fairlawnschools.org

Nicholas J. Norcia
Superintendent of Schools

January 25, 2022

Lyncrest Elementary School
9-04 Morlot Avenue
Fair Lawn, NJ 07410

Dear Lyncrest Elementary School Community:

Our school system is committed to protecting student, teacher, and staff health. To protect our community and be in compliance with the Department of Education regulations, Fair Lawn Public Schools tested our schools' drinking water for lead.

In accordance with the Department of Education regulations, Lyncrest Elementary School will implement immediate remedial measures for any drinking water outlet with a result greater than the action level of 15 µg/l (parts per billion [ppb]). This includes turning off the outlet unless it is determined the location must remain on for non-drinking purposes. In these cases, a "DO NOT DRINK – SAFE FOR HANDWASHING ONLY" sign will be posted and remediation measures have immediately been taken.

Results of our Testing

Following instructions given in technical guidance developed by the New Jersey Department of Environmental Protection, we completed a plumbing profile for each of the buildings within the District. Through this effort, we identified and tested all drinking water and food preparation outlets. Of the eleven (11) samples taken, all but one (1) tested below the lead action level established by the US Environmental Protection Agency for lead in drinking water (15 µg/l [ppb]).

The table below identifies the drinking water outlets that tested above the 15 µg/l for lead, the actual lead level, and what temporary remedial action Fair Lawn Public Schools has taken to reduce the levels of lead at these locations.

Sample Location	First Draw Result in µg/l (ppb)	Remedial Action
Trailer ID # LES-1-WF-05A	17.4	Outlet immediately taken out of service.

Health Effects of Lead

High levels of lead in drinking water can cause health problems. Lead is most dangerous for pregnant women, infants, and children under six years of age. It can cause damage to the brain and kidneys, and can interfere with the production of red blood cells that carry oxygen to all parts of your body. Exposure to high levels of lead during pregnancy contributes to low birth weight and developmental delays in infants. In young children, lead exposure can lower IQ levels, affect hearing, reduce attention span, and hurt school performance. At *very* high levels, lead can even cause brain damage. Adults with kidney problems and high blood pressure can be affected by low levels of lead more than healthy adults.

How Lead Enters our Water

Lead is unusual among drinking water contaminants in that it seldom occurs naturally in water supplies like groundwater, rivers and lakes. Lead enters drinking water primarily as a result of the corrosion, or wearing away, of materials containing lead in the water distribution system and in building plumbing. These materials include lead-based solder used to join copper pipe, brass, and chrome-plated brass faucets. In 1986, Congress banned the use of lead solder containing greater than 0.2% lead, and restricted the lead content of faucets, pipes and other plumbing materials. However, even the lead in plumbing materials meeting these new requirements is subject to corrosion. When water stands in lead pipes or plumbing systems containing lead for several hours or more, the lead may dissolve into the drinking water. This means the first water drawn from the tap in the morning *may* contain fairly high levels of lead.

Lead in Drinking Water

Lead in drinking water, although rarely the sole cause of lead poisoning can significantly increase a person's total lead exposure, particularly the exposure of children under the age of six. EPA estimates that drinking water can make up 20% or more of a person's total exposure to lead.

For More Information

A copy of the test results is available in our central office for inspection by the public, including students, teachers, other school personnel, and parents, and can be viewed between the hours of 8:30 a.m. and 4:00 p.m. and are also available on our website at https://fairlawnschools.org/apps/pages/index.jsp?uREC_ID=404232&type=d. For more information about water quality in our schools, contact **Harolina Menchon** at the **Fair Lawn Board of Education**, **201-794-5500, Ext. 7001.**

For more information on reducing lead exposure around your home and the health effects of lead, visit EPA's Web site at **www.epa.gov/lead**, call the National Lead Information Center at 800-424-LEAD, or contact your health care provider.

If you are concerned about lead exposure at this facility or in your home, you may want to ask your health care providers about testing children to determine levels of lead in their blood.

Sincerely,

Nicholas J. Norcia
Superintendent of Schools

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

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

Client: GAR373

Report Date: 1/14/2022
Report No.: 650477 - Lead Water
Project: Fair Lawn: Lyncrest ES
Project No.: 8345

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7342187 **Client No.:**LES-1-WC-01A	**Location:**Hall By Gym * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7342188 **Client No.:**LES-1-WC-02A	**Location:**Hall By 113 * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7342189 **Client No.:**LES-1-WF-01A	**Location:**Hall By 113 * Sample acidified to pH <2.	**Result(ppb):**9.10
Lab No.:7342190 **Client No.:**LES-1-WF-02A	**Location:**By Custodian (R) * Sample acidified to pH <2.	**Result(ppb):**13.7
Lab No.:7342191 **Client No.:**LES-1-WF-03A	**Location:**By Custodian (L) * Sample acidified to pH <2.	**Result(ppb):**10.6
Lab No.:7342192 **Client No.:**LES-1-WF-04A	**Location:**Rm 117 Nurse * Sample acidified to pH <2.	**Result(ppb):**2.80
Lab No.:7342193 **Client No.:**LES-1-B-01A	**Location:**Rm 105 * Sample acidified to pH <2.	**Result(ppb):**4.50
Lab No.:7342194 **Client No.:**LES-1-S-01A	**Location:**Rm 101 * Sample acidified to pH <2.	**Result(ppb):**8.80
Lab No.:7342195 **Client No.:**LES-1-B-02A	**Location:**Rm 104 * Sample acidified to pH <2.	**Result(ppb):**7.00
Lab No.:7342196 **Client No.:**LES-1-S-02A	**Location:**Rm 102 * Sample acidified to pH <2.	**Result(ppb):**3.80

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

Date Received: 1/12/2022
Date Analyzed: 01/14/2022
Signature: Mark Stewart
Analyst: Mark Stewart

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

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Report Date: 1/14/2022
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Project: Fair Lawn: Lyncrest ES
Project No.: 8345

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7342197 **Location:**Trailer **Result(ppb):**17.4
Client No.:LES-1-WF-05A * Sample acidified to pH <2.

Lab No.:7342198 **Location:**Field Blank **Result(ppb):**<1.00
Client No.:LES-1-2021-FBA * Sample acidified to pH <2.

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

Date Received: 1/12/2022
Date Analyzed: 01/14/2022
Signature: Mark Stewart
Analyst: Mark Stewart

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client:	Garden State Environmental, Inc.	Report Date:	1/14/2022
	555 S Broad St. Ste. K	Report No.:	650477 - Lead Water
	Glen Rock NJ 07452	Project:	Fair Lawn: Lyncrest ES
		Project No.:	8345
Client:	GAR373		

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 OfficeManager: ?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 ir 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.

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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Client:	Garden State Environmental, Inc.	Report Date:	1/14/2022
	555 S Broad St. Ste. K	Report No.:	650477 - Lead Water
	Glen Rock NJ 07452	Project:	Fair Lawn: Lyncrest ES
		Project No.:	8345
Client:	GAR373		

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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Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Garden State Environmental, Inc.	**Project Number:**	8395
Office Address:	555 South Broad Street	**Project Name:**	Fair lawn: Lyncrest ES
City, State, Zip:	Glen Rock, NJ 07452	**Primary Contact:**	Kaitlynn Pisero
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: _____ (Specific date / time) ☐ Verbal ☑ Email ☐ Fax

☐ 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 P. (GSE, inc)	Date: 1·10·22	Time: 2:58 pm
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):	MS	Date: 1/19/22	Time:
QA/QC Review (Name / iATL):	L. 1/17/22	Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

RECEIVED
JAN 2022
iATL - By

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Sample Log

–Environmental Lead –

Client: Garden State Environmental, inc. Project: 8345: Fair lawn, Lyncrest ES

Sampling Date/Time: 12-30-21 9:00am

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
LES-1-WC-01A	7342187	Hall by Gym		9:06 am	initial		
LES-1-WC-02A	7342188	Hall by 113		9:10 am	initial		
LES-1-WF-01A	7342189	Hall by 113		9:12 am	initial		
LES-1-WF-02A	7342190	by custodian (R)		9:16 am	initial		
LES-1-WF-03A	7342191	by custodian (L)		9:20 am	initial		
LES-1-WF-04A	7342192	Rm 117 Nurse		9:28 am	initial		
LES-1-B-01A	7342193	Rm 105		9:33 am	initial		
LES-1-S-01A	7342194	Rm 101		9:37 am	initial		
LES-1-B-02A	7342195	Rm 104		9:42 am	initial		
LES-1-S-02A	7342196	Rm 102		9:45 am	initial		
LES-1-WF-05A	7342197	Trailer		9:51 am	initial		
LES-2021-FBA	7342198	field Blank		/	initial		
	Acidified MS						
	1/12/22 18:30						

** = 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.

Quality Assurance Project Plan (QAPP)
For
Drinking Water Sampling
of Lead Concentrations in School Drinking Water Outlets

Fair Lawn Public Schools

Approvals

School District Representatives:

Program Manager: _____ _____ _____
Print Name | Signature | Date

Project Manager(s): _____ _____ _____
Print Name | Signature | Date

Individual School Project Officer(s) (See page iii)

Third Party Sampling Firm: Garden State Environmental, Inc.
(Note N/A if Third Party not involved) Name of Firm

Richard M. Lester _____ _____
Print Name | Signature | Date

Laboratory: International Asbestos Testing Laboratories (iATL)
Name of Laboratory

Laboratory Manager: Frank Ehrenfeld _____ 1/17/22
Print Name | Signature | Date

Laboratory QA Officer: Tiffany Lowe _____ 1·17·22
Print Name | Signature | Date