

Results Summary Lead in Drinking Water Samples 2024-2025 SY

School Name: Laurel Springs School

Outlet Code	Sample ID	Location/Description	Result (ppb)	Above AL?
1S	47-LES-1221-101	Teachers Lounge Kitchen - Sink	ND	No
1BB	47-LES-1221-102	Water Fountain outside rooms 111 & 106 - Bubbler	ND	No
2S	47-LES-1221-103	Nurses Office - Sink	ND	No
3S	47-LES-1221-104	Gym (room 110) - Sink	ND	No
2BB	47-LES-1221-105	Outside Gym - Bubbler	ND	No
3BB	47-LES-1221-106	Room 103A - Bubbler	ND	No
4BB	47-LES-1221-107	Room 104 - Bubbler	ND	No
5BB	47-LES-1221-108	Outside Room 204 - Bubbler	ND	No
6BB	47-LES-1221-109	Outside Room 104 - Bubbler	ND	No
-	47-LES-1221-110	DI Blank	ND	No

Action Level (AL) ≥15.5 parts per billion (ppb)

CERTIFICATE OF ANALYSIS

Client: Environmental Design Inc. - EDI
5434 King Ave, Suite 101
Pennsauken NJ 08109

Report Date: 1/2/2025
Report No.: 708076 - Lead Water
Project: Laurel Springs School District-Laurel Springs School
Project No.: PR-241113-1351

Client: ENV340

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7810787 Location: Teacher's Lounge Kitchen - Sink Result(ppb): <1.00
Client No.: 47-LES-1221-101 * Sample acidified to pH <2.

Lab No.: 7810788 Location: Water Fountain Outside Rooms 111 and 106 - Result(ppb): <1.00
Client No.: 47-LES-1221-102 Bubbler
* Sample acidified to pH <2.

Lab No.: 7810789 Location: Nurses Office - Sink Result(ppb): <1.00
Client No.: 47-LES-1221-103 * Sample acidified to pH <2.

Lab No.: 7810790 Location: Gym (Room 110) - Sink Result(ppb): <1.00
Client No.: 47-LES-1221-104 * Sample acidified to pH <2.

Lab No.: 7810791 Location: Outside Gym - Bubbler Result(ppb): <1.00
Client No.: 47-LES-1221-105 * Sample acidified to pH <2.

Lab No.: 7810792 Location: Room 103A - Bubbler Result(ppb): <1.00
Client No.: 47-LES-1221-106 * Sample acidified to pH <2.


Lab No.: 7810793 Location: Room 104 - Bubbler Result(ppb): <1.00
Client No.: 47-LES-1221-107 * Sample acidified to pH <2.


Lab No.: 7810794 Location: Outside Room 204 - Bubbler Result(ppb): <1.00
Client No.: 47-LES-1221-108 * Sample acidified to pH <2.

Lab No.: 7810795 Location: Outside Room 104 - Bubbler Result(ppb): <1.00
Client No.: 47-LES-1221-109 * Sample acidified to pH <2.

Lab No.: 7810796 Location: DI Blank Result(ppb): <1.00
Client No.: 47-LES-1221-110 * Sample acidified to pH <2.

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

Date Received: 12/23/2024
Date Analyzed: 01/02/2025
Signature: 
Analyst: Mark Stewart

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

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Appendix to Analytical Report:

Customer Contact: Jay Murray
Analysis: AAS-GF - ASTM D3559-15D

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: Shirley Clark
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Water
Exceptions Noted: See Following Pages

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Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:

- ASTM D3559-15D

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.