Effective and Economical
Environmental Solutions

Lead in Drinking Water Sampling
Per amendments to N.J.A.C 6A:26 Educational Facilities
Lodi Board of Education
8 Hunter Street
Lodi, NJ 07675

Karl Environmental Group Project #: 24-0550

May 22, 2025

Prepared for:
Mr. Walter Cahill
Director of Facilities
Lodi Public Schools
8 Hunter Street
Lodi, NJ 07675

Prepared by:
Karl Environmental Group
20 Lauck Road
Mohnton, PA 19540
Tel: (800) 527-5581
Fax: (610) 856-5040

20 Lauck Road
Mohnton, PA 19540
Tel: (800) 527-5581
Fax: (610) 856-5040
Web: www.karlenv.com

May 22, 2025

Mr. Walter Cahill
Director of Facilities
Lodi Public Schools
8 Hunter Street, Lodi, NJ 07675

Re: Lead in Drinking Water Sampling
Per amendments to N.J.A.C 6A:26 Educational Facilities
Lodi Board of Education
8 Hunter Street, Lodi, NJ 07675
Karl Environmental Group Project #: 24-0550

Dear Mr. Cahill:

Thank you for selecting Karl Environmental Group ("Karl") for this project. This report details the methods and findings of the lead in drinking water services as per New Jersey state regulations (amendments to N.J.A.C 6A:26 Educational Facilities) performed within the Lodi Public School buildings (the "Facilities"), on April 15 and 17, 2025.

1.0 PROJECT BACKGROUND

Karl Environmental was contacted by the Lodi Board of Education (the "Client") to perform lead in drinking water sampling to determine the lead content of drinking water from sources throughout the Facilities.

The purpose of lead in drinking water sampling is to determine if any sampled drinking water sources exhibit lead levels exceeding the Regulatory Action Level of 15 parts per billion (ppb). Drinking water collection points included any water sources from which a student, staff, or faculty may reasonably drink or from which the water may be used for cooking or beverage preparation, including, but not limited to, water coolers/bubblers, kitchen faucets, Nurse's Office faucets, and Faculty/Staff lounges.

2.0 LEAD IN DRINKING WATER

Lead is a toxic substance that can be harmful to human health. As compared to adults, children are more susceptible to the detrimental health effects of lead, as their nervous systems are not yet fully developed. Exposure to lead can occur in a variety of ways including through food, soil, deteriorating lead-based paint, and drinking water. Lead can leach into drinking water from plumbing materials such as pipes and solder, as well as brass plumbing fixtures. For this investigation, planning, preparation, methodology, sampling, and follow-up actions were conducted according to the technical guidance provided by New Jersey following the adoption of amendments to N.J.A.C. 6A:26: Educational Facilities, requiring the sampling of drinking water for lead in schools.

3.0 DRINKING WATER SAMPLING METHODOLOGY

Karl collected drinking water samples from water outlets throughout each Facility. At each collection point, Karl Environmental filled a 250 milliliter (mL) wide-mouth high density polyethylene (HDPE) sample collection bottle from the selected water source. Samples were collected after the water in each building had not been used for at least 8 hours, but not more than 48 hours. The initial sample at each collection point represents the first draw sample. The first draw sample is representative of the water from the end point of the water source (i.e., the bubbler or tap).

A field blank using lead-free laboratory reagent water was also collected at each Facility during the sampling event to rule out contamination of samples during the collection and transportation process. All samples were recorded under proper chain of custody and couriered to iATL International, a New Jersey certified laboratory located in Mt. Laurel, New Jersey for analysis by EPA method 200.8, NJ DOE.

During the initial sampling event, Karl Environmental Group collected the following number of samples at each Facility:

Columbus Elementary School
- Seventeen (17) First Draw Samples
- One (1) Field Blank

Hilltop Elementary School
- Seventeen (17) First Draw Samples
- One (1) Field Blank

Lodi Administration Building
- One (1) First Draw Sample
- One (1) Field Blank

Lodi High School
- Thirty-four (34) First Draw Samples
- One (1) Field Blanks

Roosevelt Elementary School
- Fifteen (15) First Draw Samples
- One (1) Field Blank

Thomas Jefferson Middle School
- Seven (7) First Draw Samples
- One (1) Field Blank

Washington Elementary School
- Eighteen (18) First Draw Samples
- One (1) Field Blank

Wilson Elementary School
- Twelve (12) First Draw Samples
- One (1) Field Blank

4.0 DRINKING WATER ANALYSIS RESULTS

The analytical lead in drinking water results for each first draw sample are listed in Tables 1-8, below:

Table 1: Columbus Elementary School – April 16, 2025

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
CES-FP-1FL-KITCHEN-1	Food Prep Sink	<1.00	No
CES-FP-1FL-KITCHEN-2	Pot Filler	1.90	No
CES-FP-1FL-KITCHEN-3	Food Prep Sink	1.70	No
CES-FP-1FL-KITCHEN-4	Food Prep Sink	<1.00	No
CES-WC-1FL-CAFÉ-1	Bottle Filler	<1.00	No
CES-WC-1FL-CAFÉ-2	Bubbler	<1.00	No
CES-WC-BL-HALL B4	Bubbler	1.70	No
CES-WC-BL-HALL B6	Bubbler	<1.00	No
CES-WC-BL-HALLB6-1	Bottle Filler	<1.00	No
CES-WC-1FL-HALL 2-1	Bottle Filler	<1.00	No
CES-WC-1FL-HALL 2-2	Bubbler	<1.00	No
CES-WC-1FL-HALL 3	Bubbler	<1.00	No
CES-WC-2FL-HALL 10	Bubbler	1.40	No
CES-WC-2FL-HALL 9-1	Bubbler	<1.00	No
CES-WC-2FL-HALL 9	Bottle Filler	<1.00	No
CES-NS-2FL-NURSE	Nurse Sink	1.20	No
CES-TL-2FL-FAC	Nurse Sink	<1.00	No
CES - BLANK	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling event, all samples collected from the Columbus Elementary School were below the Regulatory Action Level.

Table 2: Hilltop Elementary School – April 16, 2025

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
HES-FP-1FL-KITCH	Food Prep Sink	28.4	Yes
HES-FP-1FL-KITCH-2	Food Prep Sink	5.10	No
HES-NS-1FL-NURSE	Nurse Sink	<1.00	No
HES-DW-1FL-HALL 102A-1	Bubbler	52.0	Yes
HES-DW-1FL-HALL 102A-2	Bottle Filler	24.2	Yes
HES-DW-2FL-HALL CAFÉ-1	Bubbler	<1.00	No
HES-BF-2FL-HALL CAFÉ-2	Bottle Filler	2.40	No
HES-TL-1FL-FAC	Faculty Sink	<1.00	No

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
HES-DW-1FL-HALL 108-1	Bubbler	1.90	No
HES-DW-1FL-ROOM 112	Bubbler	9.30	No
HES-DW-1FL-ROOM 111	Bubbler	157	Yes
HES-DW-2FL-HALL 203-1	Bubbler	6.80	No
HES-DW-2FL-HALL 203-2	Bubbler	2.10	No
HES-DW-2FL-HALL 206-2	Bubbler	<1.00	No
HES-DW-2FL-HALL 206-1	Bottle Filler	<1.00	No
HES-DW-2FL-HALL 206-3	Bubbler	12.0	No
HES-DW-2FL-HALL 209-1	Bubbler	10.0	No
HES-BLANK	Field Blank	<1.00	No

Results above action level

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling event, four samples collected **exceeded** the Regulatory Action Level. Upon receipt of the results, the outlets were immediately taken out of service.

Table 3: Lincoln Administration Building – April 15, 2025

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
LNA-TL-2FL-FAC	Faculty Sink	8.60	No
LNA - BLANK	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling event, all samples collected from the Lincoln Administration Building were below the Regulatory Action Level

Table 4A: Lodi High School – April 15, 2025

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
LHS-1FL-KITCH-1	Faculty Sink	<1.00	No
LHS-WC-1FL-HALL 109	Bubbler	1.50	No
LHS-WC-1FL-HALL 110	Bubbler	<1.00	No
LHS-LM-1FL-KITCH	Sink	1.90	No
LHS-FP-1FL-KITCH-2	Pot Filler - Left	4960	Yes
LHS-FP-1FL-KITCH-3	Pot Filler - Right	5780	Yes
LHS-CF-1FL-KITCH	Sink	<1.00	No
LHS-WC-1FL-CAFÉ -1	Sink	3.90	No
LHS-WC-1FL-CAFÉ -2	Bottle Filler	<1.00	No

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
LHS-WC-1FL-CAFÉ -3	Bubbler	<1.00	No
LHS-WC-1FL-CAFÉ -4	Bubbler	2.90	No
LHS-WC-1FL-HALL 101	Bubbler	<1.00	No
LHS-WC-1FL-HALLGIRLS-1	Bubbler	<1.00	No
LHS-WC-1FL-HALLGIRLS-2	Bubbler	<1.00	No
LHS-WC-1FL-HALLGIRLS-3	Bubbler	<1.00	No
LHS-WC-1FL-GIRLSLOCK	Bubbler	1.80	No
LHS-WC-1FL-BOYS LOCK	Bubbler	<1.00	No
LHS-WC-1FL-BOYS LOCK-2	Bottle Filler	<1.00	No
LHS-WC-1FL-HALL 140-1	Bubbler	<1.00	No
LHS-WC-1FL-HALL 140-2	Bottle Filler	<1.00	No
LHS-HB-1FL-TRAINER	Bubbler	<1.00	No
LHS-IM-1FL-TRAINER	Ice Machine	<1.00	No
LHS-CS-1FL-ROOM130-1	Sink	<1.00	No
LHS-CS-1FL-ROOM130-2	Sink	1.80	No
LHS-CS-1FL-ROOM130-3	Sink	2.10	No
LHS-CS-1FL-ROOM130-4	Sink	2.80	No
LHS-CS-1FL-ROOM-128D	Sink	1.70	No
LHS-WC-2FL-HALL-202-2	Bubbler	<1.00	No
LHS-WC-2FL-HALL-202-R	Bubbler	<1.00	No
LHS-CS-2FL-RM-220D-1	Sink	1.20	No
LHS-CS-2FL-RM-220D-2	Sink	14.2	No
LHS-CS-2FL-RM-214-2	Bubbler	<1.00	No
LHS-CS-2FL-RM-214-3	Bottle Filler	1.10	No
LHS-CS-2FL-HALL202-1	Bubbler	<1.00	No
LHS-BLANK	Field Blank	<1.00	No

Results above action level

Laboratory analytical results compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling, two (2) outlets at Lodi High School **exceeded** the action Level. Upon receipt of results the outlets were immediately taken out of service.

Table 5: Roosevelt Elementary School – April 16, 2025

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
RES-DW-1FL-ROOM 13	Bubbler	<1.00	No
RES-DW-1FL-ROOM 12	Bubbler	<1.00	No
RES-DW-1FL-ROOM 11	Bubbler	<1.00	No
RES-WC-1FL-HALL-10-1	Bubbler	9.10	No
RES-WC-1FL-HALL-10-2	Bubbler	<1.00	No
RES-WC-1FL-HALL-10-3	Bottle Filler	<1.00	No
RES-WC-1FL-HALL-10-4	Bubbler	2.80	No
RES-WC-1FL-HALL-7-1	Bubbler	1.10	No
RES-WC-1FL-HALL-7-2	Bubbler	5.30	No
RES-NS-1FL-NURSE	Nurse Sink	5.10	No
RES-TL-1FL-FAC	Faculty Sink	5.10	No
RES-FP-1FL-KITCH-1	Food Prep Sink	5.40	No
RES-FP-1FL-KITCH-2	Food Prep Sink	1.40	No
RES-FP-1FL-KITCH-3	Food Prep Sink	3.50	No
RES-FP-1FL-KITCH-4	Food Prep Sink	15.6	Yes
RES - BLANK	Field Blank	<1.00	No

Results above action level

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling event, one sample collected from the Roosevelt Elementary School **exceeded** the Regulatory Action Level. Upon receipt of results the outlets were immediately taken out of service.

Table 6: Thomas Jefferson Middle School – April 15, 2025

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
TMS-WC-BL-HALL 103	Bubbler	<1.00	No
TMS-TL-BL-HALL 103	Bottle Filler	<1.00	No
TMS-FP-BL-KITCH-2	Food Prep Sink	<1.00	No
TMS-FP-BL-KITCH-1	Food Prep Sink	<1.00	No
TMS-WC-1FL-HALL 204	Bubbler	<1.00	No
TMS-WC-1FL-HALL 204-2	Bottle Filler	<1.00	No
TMS-DW-2FL-HALL 304	Bubbler	<1.00	No
TMS - BLANK	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling event, all samples collected from the Thomas Jefferson Middle School were below the Regulatory Action Level.

Table 7: Washington Elementary School – April 15, 2025

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
WES-WC-1FL-HALL18-1	Bottle Filler	<1.00	No
WES-WC-1FL-HALL18-2	Bubbler	<1.00	No
WES-WC-1FL-HALL 1	Bubbler	1.00	No
WES-WC-1FL-HALL 6	Bubbler	3.30	No
WES-WC-1FL-HALL 13-1	Bubbler	<1.00	No
WES-BF-1FL-HALL 13-2	Bottle Filler	<1.00	No
WES-WC-1FL-KITCH-1	Food Prep Sink	<1.00	No
WES-FP-1FL-KITCH-2	Food Prep Sink	<1.00	No
WES-WC-2FL-HALL PREK - 1	Bottle Filler	<1.00	No
WES-WC-2FL-HALL PREK- 2	Bubbler	<1.00	No
WES-WC-2FL-HALL 26	Bubbler	3.20	No
WES-WC-2FL-HALL 28	Bubbler	<1.00	No
WES-WC-2FL-HALL 28-2	Bottle Filler	<1.00	No
WES-NS-2FL-NURSE	Nurse Sink	2.60	No
WES-WC-2FL-HALL 21	Bubbler	2.90	No
WES-TL-2FL-FAC-1	Faculty Sink	1.40	No
WES-HALL-B5	Bubbler	1.20	No
WESHALL-B2	Bubbler	<1.00	No
WES-BLANK	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling event, all samples collected from the Washington Elementary School were below the Regulatory Action Level.

Table 8: Wilson Elementary School – April 16, 2025

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
WIL-FP-BL-KITCH	Food Prep Sink	<1.00	No
WIL-NS-BL-CAFE	Sink	1.00	No
WIL-DW-BL-HALLMULTI	Bubbler	<1.00	No
WIL-WC-1FL-HALL 103	Bottle Filler	<1.00	No
WIL-WC-1FL-HALL 103-2	Bubbler	<1.00	No
WIL-DW-1FL-ROOM 102	Bubbler	<1.00	No
WIL-CS-1FL-ROOM 101	Bubbler	<1.00	No
WIL-WC-2FL-ROOM 202	Bubbler	<1.00	No
WIL-WC-2FL-HALL 202-2	Bottle Filler	<1.00	No
WIL-WC-2FL-ROOM 202	Bubbler	<1.00	No
WIL-DW-2FL-ROOM 201	Bubbler	<1.00	No
WIL-WC-2FL-HALL 31	Bubbler	<1.00	No
WIL-BLANK	Field Blank	<1.00	No

All laboratory analytical results were compared to the Regulatory Action Level of 15 ppb for lead. Analysis of lead in the first draw drinking water samples indicated that at the time of the sampling event, all of the samples collected from the Wilson Elementary School were below the Regulatory Action Level.

5.0 CONCLUSIONS & RECOMMENDATIONS

Following the lead in drinking water sampling event conducted on April 15, 2025 and April 17, 2025, seven (7) outlets, which are denoted in orange highlight in the above tables, were above the regulatory Action Level of 15 ppb. The District took appropriate measures by removing them from use for food preparation or consumption upon receipt of results. At the conclusion of the lead in drinking water services, Karl Environmental offers the following recommendations at this time:

- Continue to monitor lead in drinking water levels as part of a regular sampling and maintenance plan, as per New Jersey State regulations. Amendments will require district-wide sampling every three (3) years.

- In the interim, when drinking water outlets are replaced/added, or the plumbing is disturbed, sampling of the impacted outlets should be completed to determine if lead levels were affected.

- Implement an aerator cleaning maintenance program to prevent the build-up of debris behind the screen which may contribute to elevated lead levels.

- Enter all filter maintenance, aerator maintenance, plumbing repairs/changes and any other pertinant information into the Field Log Book for each Facility.

- Use only cold water for food and beverage preparation. Hot water is more likely to contribute to the corrosion of plumbing materials and thefore contain a greater level of contaminants from the plumbing system.

6.0 LIMITATIONS

This investigation focused on lead in drinking water only. No other heavy metals or additional contaminants were sampled for or analyzed. Lead concentrations can change as water continues to move through the water system. Each sample was a grab sample and represents lead concentrations only at the specific time of collection and may vary based on the water usage in the facility. Interpretation of these results is only valid if the facility is serviced by a municipal water supplier or water utility.

This lead sampling event was in response to the amendments to N.J.A.C. 6A:26, Educational Facilities dated July 13, 2016, which requires testing for lead in the drinking water of public and charter school districts every three (3) years.

7.0 CLOSING

Thank you for using Karl to assist you with this project. Please do not hesitate to call if you have any questions relating to this report or for any other environmental health and safety concerns.

Respectfully submitted,
Karl Environmental Group

Angela Meas

Angela Meas
Industrial Hygienist
Office: (610) 856-7700
Fax: (610) 856-5040
Cell: (484) 269-7870
Email: ameas@karlenv.com

Attachment A:

Analytical Lab Results

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/21/2025
Report No.: 712175 - Lead Water
Project: Columbus ES
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7836471 **Client No.:**CES-FP-1FL-KITCH-1	**Location:**Sink - Mid * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836472 **Client No.:**CES-FP-1FL-KITCH-2	**Location:**Pot Filler * Sample acidified to pH <2.	**Result(ppb):**1.90
Lab No.:7836473 **Client No.:**CES-FP-1FL-KITCH-3	**Location:**Sink Left * Sample acidified to pH <2.	**Result(ppb):**1.70
Lab No.:7836474 **Client No.:**CES-FP-1FL-KITCH-4	**Location:**Sink Right * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836475 **Client No.:**CES-WC-1FL-CAFE-1	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836476 **Client No.:**CES-WC-1FL-CAFE-2	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836477 **Client No.:**CES-WC-BL-HALLB4	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**1.70
Lab No.:7836478 **Client No.:**CES-WC-BL-HALLB6	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836479 **Client No.:**CES-WC-BL-HALLB6-1	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836480 **Client No.:**CES-WC-BL-HALL2-1	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/16/2025
Date Analyzed: 04/21/2025
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/21/2025
Report No.: 712175 - Lead Water
Project: Columbus ES
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7836481 **Client No.:**CES-WC-BL-HALL2-2	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836482 **Client No.:**CES-WC-1FL-HALL3	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836483 **Client No.:**CES-WC-2FL-HALL10	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**1.40
Lab No.:7836484 **Client No.:**CES-WC-2FL-HALL9-1	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836485 **Client No.:**CES-WC-2FL-HALL9	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836486 **Client No.:**CES-NS-2FL-NURSE	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.20
Lab No.:7836487 **Client No.:**CES-TL-2FL-FAC	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836488 **Client No.:**CES-BLANK	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/16/2025
Date Analyzed: 04/21/2025
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/21/2025
	20 Lauck Road	Report No.:	712175 - Lead Water
	Mohnton PA 19540	Project:	Columbus ES
		Project No.:	24-0550
Client:	KAR387		

Appendix to Analytical Report:

Customer Contact: Mike Karl
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 OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
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.

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 D3559-15D

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

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/21/2025
	20 Lauck Road	Report No.:	712175 - Lead Water
	Mohnton PA 19540	Project:	Columbus ES
		Project No.:	24-0550
Client:	KAR387		

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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

004033206

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0550
Office Address:	20 Lauck Rd	**Project Name:**	Columbus Elementary
City, State, Zip:	Holmes, PA	**Primary Contact:**	Brandi Hunsberger
Fax Number:	610-856-5040	**Office Phone:**	800-527-5581
Email Address:	bhunsberger@karlenv.com	**Cell Phone:**	484-269-7870

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: 200.8

Turnaround Time

Preliminary Results Requested Date: _____ ☐ Verbal ☐ Email ☐ Fax

☐ 10 Day ☐ 5 Day ☒ 3 Day (Specific date / time) ☐ 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):	Karl Environmental	Date: 4/16/25	Time:
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 4/16/2025 CES

	Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
CES	FP-1FL-KITCH-1	7836471	SINK - mid				250mL	
CES	FP-1FL-KITCH-2	7836472	Pot Filler				250mL	
CES	FP-1FL-KITCH-3	7836473	SINK Left				250mL	
CES	FP-1FL-KITCH-4	7836474	SINK Right				250mL	
CES	WC-1FL-CAFE-1	7836475	BF				250mL	
CES	WC-1FL-CAFE-2	7836476	FB				250mL	
CES	WC-BL-HALL4	7836477	FB				250mL	
CES	WC-BL-HALL6	7836478	FB				250mL	
CES	WC-BL-HALL6-1	7836479	BF				250mL	
CES	WC-1FL-HALL2-1	7836480	BF				250mL	
CES	WC-1FL-HALL2	7836481	FB				250mL	
CES	WC-1FL-HALL3	7836482	FB				250mL	
CES	WC-2FL-HALL10	7836483	FB				250mL	
CES	WC2FL-HALL9-1	7836484	FB				250mL	
CES	WC2FL-HALL9	7836485	BF				250mL	

* = *Insufficient Sample Provided to Perform QC Reanalysis (<20mg)*
** = *Insufficient Sample Provided to Analyse (<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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 04/16/25 CES

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
CES-NS-2FL-Nurse	7836486	Sink				250mL	
CES-TL-2FL-FAC	7836487	Sink				250mL	
CES-Blank	7836488	Blank				250mL	

* = *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.

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/21/2025
Report No.: 712177 - Lead Water
Project: HIlltop ES
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7836505 **Client No.:**HES-FP-1FL-KITCH	**Location:**Sink Left * Sample acidified to pH <2.	**Result(ppb):**28.4
Lab No.:7836506 **Client No.:**HES-FP-1FL-KITCH-2	**Location:**Sink Right * Sample acidified to pH <2.	**Result(ppb):**5.10
Lab No.:7836507 **Client No.:**HES-NS-1FL-NURSE	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836508 **Client No.:** HES-DW-1FL-HALL102A-1	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**52.0
Lab No.:7836509 **Client No.:** HES-DW-1FL-HALL102A-2	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**24.2
Lab No.:7836510 **Client No.:** HES-DW-1FL-HALLCAFE-1	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836511 **Client No.:** HES-DW-1FL-HALLCAFE-2	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**2.40
Lab No.:7836512 **Client No.:**HES-TL-1FL-FAC	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836513 **Client No.:**HES-DW-1FL-HALL108-1	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**1.90

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

Date Received: 4/16/2025
Date Analyzed: 04/21/2025
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/21/2025
Report No.: 712177 - Lead Water
Project: HIlltop ES
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7836514	**Location:**FB	**Result(ppb):**9.30
Client No.:HES-DW-1FL-ROOM112	* Sample acidified to pH <2.	
Lab No.:7836515	**Location:**FB	**Result(ppb):**157
Client No.:HES-DW-1FL-ROOM111	* Sample acidified to pH <2.	
Lab No.:7836516	**Location:**FB - Left	**Result(ppb):**6.80
Client No.:HES-DW-2FL-HALL203-1	* Sample acidified to pH <2.	
Lab No.:7836517	**Location:**FB - Right	**Result(ppb):**2.10
Client No.:HES-DW-2FL-HALL203-2	* Sample acidified to pH <2.	
Lab No.:7836518	**Location:**FB - Left	**Result(ppb):**<1.00
Client No.:HES-DW-2FL-HALL206-2	* Sample acidified to pH <2.	
Lab No.:7836519	**Location:**BF - Left	**Result(ppb):**<1.00
Client No.:HES-DW-2FL-HALL206-1	* Sample acidified to pH <2.	
Lab No.:7836520	**Location:**FB - Right	**Result(ppb):**12.0
Client No.:HES-DW-2FL-HALL206-3	* Sample acidified to pH <2.	
Lab No.:7836521	**Location:**FB	**Result(ppb):**10.0
Client No.:HES-DW-2FL-HALL209-1	* Sample acidified to pH <2.	
Lab No.:7836522	**Location:**Blank	**Result(ppb):**<1.00
Client No.:HES-BLANK	* Sample acidified to pH <2.	

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

Date Received: 4/16/2025
Date Analyzed: 04/21/2025
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/21/2025
Report No.: 712177 - Lead Water
Project: HIlltop ES
Project No.: 24-0550

Appendix to Analytical Report:

Customer Contact: Mike Karl
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 OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
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.

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 D3559-15D

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

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/21/2025
	20 Lauck Road	Report No.:	712177 - Lead Water
	Mohnton PA 19540	Project:	HIlltop ES
		Project No.:	24-0550
Client:	KAR387		

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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

004033215

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0550
Office Address:	20 Lauck Rd	**Project Name:**	Hill Top ES
City, State, Zip:	Mohnton, PA	**Primary Contact:**	Barry Hunsberger
Fax Number:	610-856-5040	**Office Phone:**	808-527-5581
Email Address:	bhunsberger@karlenv.com	**Cell Phone:**	484-269-7870

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: 200.8

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):	Karl Environmental	Date: 4/16/25	Time:
Received (Name / iATL):		Date:	Time: APR 16 2025
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 04/16/2025 HES

	Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HES	FP-1FL-KITCH	7836505	Sink Left				250mL	
HES	FP-1FL-KITCH-2	7836506	Sink Right				250mL	
HES	NS-1FL-Nurse	7836508	Sink				250mL	
HES	DW-1FL-Hall102A-1		FB Left				250mL	
HES	DW-1FL-Hall102A-2	7836509	FB Right				250mL	
HES	DW-1FL-HALLCAFE-1	7836510	FB				250mL	
HES	DW-1FL-HALLCAFE-2	7836511	BF				250mL	
HES	TL-1FL-FAC	7836512	Sink				250mL	
HES	DW-1FL-HALL108-1	7836513	FB				250mL	
HES	[redacted]		[redacted]				[redacted]	
HES	DW-1FL-ROOM 112	7836514	FB				250mL	
HES	DW-1FL-ROOM 111	7836515	FB				250mL	
HES	DW-2FL-HALL203-1	7836516	FB-Left				250mL	
HES	DW-2FL-HALL203-2	7836517	FB-Right				250mL	
HES	DW-2FL-HALL206-2	7836518	FB-[redacted] Left				250mL	

* = *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.

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 4/16/25 HES

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HES-OW-2FL-HAM206-1	7836519	BF-Left				250mL	
HES-OW-2FL-HAM206-3	7836520 7836521	FB-Right				250mL	
HES-OW-2FL-HAM209-1	7836522	FB				250mL	
HES-Blank		Blank				250mL	

* = *Insufficient Sample Provided to Perform QC Reanalysis (<200mg)*
** = *Insufficient Sample Provided to Analyze (<50mg)* ***= *Matrix / Substrate Interference Possible*
FB = *Method Requires the subtraction 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.

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/22/2025
Report No.: 712083 - Lead Water
Project: Lodi Admin Bldg
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7835964 **Location:** Sink **Result(ppb):** 8.60
Client No.: LNA-TL-2FL-FAC * Sample acidified to pH <2.

Lab No.: 7835965 **Location:** Blank **Result(ppb):** <1.00
Client No.: LNA-Blank * Sample acidified to pH <2.

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

Date Received: 4/15/2025
Date Analyzed: 04/22/2025
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/22/2025
	20 Lauck Road	Report No.:	712083 - Lead Water
	Mohnton PA 19540	Project:	Lodi Admin Bldg
		Project No.:	24-0550
Client:	KAR387		

Appendix to Analytical Report:

Customer Contact: Mike Karl
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 OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
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.

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 D3559-15D

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

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/22/2025
	20 Lauck Road	Report No.:	712083 - Lead Water
	Mohnton PA 19540	Project:	Lodi Admin Bldg
		Project No.:	24-0550
Client:	KAR387		

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.

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

004032087

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0550
Office Address:	20 Lauck Road	**Project Name:**	Lodi Admin Building
City, State, Zip:	Moxton, PA	**Primary Contact:**	Barry Hoeberger
Fax Number:	610-856-5040	**Office Phone:**	800-527-5581
Email Address:	bhoeberger@karlenv.com	**Cell Phone:**	484-269-7870

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: 200.8

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):	Karl Environmental	Date: 04/15/25	Time:
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released:	QA/QC InterLAB Use:	Date:	Time: Apr 15 2025

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 04/15/25 Cook Admin Building

c

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
LNA-TL-2FL-FAC	7835964 7835965	SmK				250mL	
LNA-BlanK		BlanK				250mL	

* = *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.

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/22/2025
Report No.: 712081 - Lead Water
Project: Lodi High School LIW
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7835920 **Location:**Sink Faculty **Result(ppb):**<1.00
Client No.:LHS-1FL-KITCH-1 * Sample acidified to pH <2.

Lab No.:7835921 **Location:**FB **Result(ppb):**1.50
Client No.:LHS-WC-1FL-HALL109 * Sample acidified to pH <2.

Lab No.:7835922 **Location:**FB **Result(ppb):**<1.00
Client No.:LHS-WC-1FL-HALL110 * Sample acidified to pH <2.

Lab No.:7835923 **Location:**Sink Across From Pot Fillers **Result(ppb):**1.90
Client No.:LHS-LM-1FL-KITCH * Sample acidified to pH <2.

Lab No.:7835924 **Location:**Pot Filler Left **Result(ppb):**4960
Client No.:LHS-FP-1FL-KITCH-2 * Sample acidified to pH <2.
Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.

Lab No.:7835925 **Location:**Pot Filler Right **Result(ppb):**5780
Client No.:LHS-FP-1FL-KITCH-3 * Sample acidified to pH <2.
Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.

Lab No.:7835926 **Location:**Center Sink **Result(ppb):**<1.00
Client No.:LHS-CF-1FL-KITCH * Sample acidified to pH <2.

Lab No.:7835927 **Location:**Coffee Sink **Result(ppb):**3.90
Client No.:LHS-WC-1FL-CAFE-1 * Sample acidified to pH <2.

Lab No.:7835928 **Location:**BF **Result(ppb):**<1.00
Client No.:LHS-WC-1FL-CAFE-2 * Sample acidified to pH <2.

Lab No.:7835929 **Location:**FB **Result(ppb):**<1.00
Client No.:LHS-WC-1FL-CAFE-3 * Sample acidified to pH <2.

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

Date Received: 4/15/2025
Date Analyzed: 04/22/2025
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/22/2025
Report No.: 712081 - Lead Water
Project: Lodi High School LIW
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7835930 **Client No.:**LHS-WC-1FL-CAFE-4	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**2.90
Lab No.:7835931 **Client No.:**LHS-WC-1FL-HALL101	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835932 **Client No.:** LHS-WC-1FL-HALLGirls-1	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835933 **Client No.:** LHS-WC-1FL-HALLGirls-2	**Location:**BR * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835934 **Client No.:** LHS-WC-1FL-HALLGirls-3	**Location:**FB Left * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835935 **Client No.:**LHS-WC-1FL-GirlsLock	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**1.80
Lab No.:7835936 **Client No.:**LHS-WC-1FL-BoysLock	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835937 **Client No.:**LHS-WC-1FL-BoysLock-2	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835938 **Client No.:**LHS-WC-1FL-140-1	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/15/2025
Date Analyzed: 04/22/2025
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/22/2025
Report No.: 712081 - Lead Water
Project: Lodi High School LIW
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7835939 **Client No.:**LHS-WC-1FL-140-2	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835940 **Client No.:**LHS-HB-1FL-TRAINER	**Location:**ICE * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835941 **Client No.:**LHS-IM-1FL-TRAINER	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835942 **Client No.:**LHS-CS-1FL-ROOM130-1	**Location:**Sink - Right on Wall * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835943 **Client No.:**LHS-CS-1FL-ROOM130-2	**Location:**Sink - Left on Wall * Sample acidified to pH <2.	**Result(ppb):**1.80
Lab No.:7835944 **Client No.:**LHS-CS-1FL-ROOM130-3	**Location:**Sink - Right by Chickens * Sample acidified to pH <2.	**Result(ppb):**2.10
Lab No.:7835945 **Client No.:**LHS-CS-1FL-ROOM130-4	**Location:**Sink - Left by Chickens * Sample acidified to pH <2.	**Result(ppb):**2.80
Lab No.:7835946 **Client No.:**LHS-CS-1FL-ROOM-128D	**Location:**Library Sink * Sample acidified to pH <2.	**Result(ppb):**1.70
Lab No.:7835947 **Client No.:**LHS-WC-2FL-HALL-202-2	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835948 **Client No.:** LHS-WC-2FL-HALL-202-R	**Location:**FB Right * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/15/2025
Date Analyzed: 04/22/2025
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/22/2025
Report No.: 712081 - Lead Water
Project: Lodi High School LIW
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7835949 **Client No.:**LHS-CS-2FL-RM-220D-1	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.20
Lab No.:7835950 **Client No.:**LHS-CS-2FL-RM-220D-2	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**14.2
Lab No.:7835951 **Client No.:**LHS-CS-2FL-HALL214-1	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**Sample Not Received
Lab No.:7835952 **Client No.:**LHS-CS-2FL-HALL214-2	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835953 **Client No.:**LHS-CS-2FL-HALL214-3	**Location:**FB - Right * Sample acidified to pH <2.	**Result(ppb):**1.10
Lab No.:7835954 **Client No.:**LHS-BLANK	**Location:**Blank * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835955 **Client No.:**LHS-WC-2FL-HALL202-1	**Location:**Additional Sample Received * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/15/2025
Date Analyzed: 04/22/2025
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/22/2025
Report No.: 712081 - Lead Water
Project: Lodi High School LIW
Project No.: 24-0550

Appendix to Analytical Report:

Customer Contact: Mike Karl
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 OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
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.

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 D3559-15D

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

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/22/2025
	20 Lauck Road	Report No.:	712081 - Lead Water
	Mohnton PA 19540	Project:	Lodi High School LIW
		Project No.:	24-0550
Client:	KAR387		

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.

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

004032083

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental Group	**Project Number:**	24-0550
Office Address:	20 Lavck Road	**Project Name:**	Lodi High School (LW
City, State, Zip:	Mohnton, PA	**Primary Contact:**	Barry M. Hursberger
Fax Number:	610-856-5040	**Office Phone:**	800-527-5581
Email Address:	bhursberger@karlenv.com	**Cell Phone:**	484-269-7870

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: 200.8

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):	Karl Environmental	Date: 4/15/25	Time:
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time: APR 15 2025
Analysis(Name(s) / iATL):		Date:	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time: by ak

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Kurl Environmental Project: 24-0550 LHS

Sampling Date/Time: 04/15/25

	Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HS	FP-IFL-KITCH-1	7835920	SINK faculty				250mL	
HS	WC-IFL-HALL109	7835921	FB				250mL	
HS	WC-IFL-HALL110	7835922	FB				250mL	
HS	IM-IFL-KITCH	7835923	SINK across from POT fillers				250mL	
HS	FP-IFL-KITCH-2	7835924	Pot filler Left				250mL	
HS	FP-IFL-KITCH-3	7835925	Pot Filler Right				250mL	
HS	CF-IFL-KITCH	7835926	center SINK				250mL	
HS	WC-IFL-CAFE-1	7835927	Coffee SINK				250mL	
HS	WC-IFL-CAFE-3	7835928	BE				250mL	
HS	WC-IFL-CAFE-2	7835929	FB				250mL	
HS	WC-IFL-CAFE-4	7835930	FB				250mL	
HS	WC-IFL-HALL101	7835931	FB				250mL	
HS	WC-IFL-HALLGIRLS-1	7835932	FB				250mL	
HS	WC-IFL-HALLGirls-2	7835933	BF				250mL	
HS	WC-IFL-HALLGIRLS-3	7835934	FB Left				250mL	

* = *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.

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 04/15/25 LHS

	Client Sample #	IATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HS	WC-1FL-Girls lock	7835935	FB				250mL	
HS	WC-1FL-Boys lock	7835936	FB				250mL	
HS	WC-1FL-Boys lock	7835937	BF				250mL	
HS	WC-1FL-140-1	7835938	FB				250mL	
HS	WC-1FL-140-2	7835939	BF				250mL	
HS	HB-1FL-TRAINER	7835940	ICE				250mL	
HS	IM-1FL-TRAINER	7835941	FB				250mL	
HS	CS-1FL-Room 130-1	7835942	SINK-Right on wall				250mL	
HS	CS-1FL-Room 130-2	7835943	SINK-Left on wall				250mL	
HS	CS-1FL-Room-130-3	7835944	SINK-Right by chicken				250mL	
HS	CS1FL-Room-130-4	7835945	SINK-Left by chickens				250mL	
HS	CS1FL-ROOM-128D	7835946	Library SINK				250mL	
[redacted]								
HS	WC-2FL-HALL-202-2	7835947	BF				250mL	
HS	WC-2FL-HALL-202-R	7835948	FB RIGHT				250mL	

* = *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.

iATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 04/15/25 2HS

	Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
2HS	CS-2FL-RM220P-1	7835949	Sink				250mL	
2HS	CS-2FL-RM-220P2	7835950	Sink				250mL	
2HS*	WC-2FL-HALL2H-1	7835951	FB				250mL	
2HS	WC-2FL-HALL2H-2	7835952	BF				250mL	
2HS	WC-2FL-HALL-2H-3		FB-Right				250mL	
2HS	Blank	7835954	Blank				250mL	
	Addl. Samples	void						
2HS	WC-2FL-HALL2H-1	7835956						
			iATL 7835951					
				*Sample	void			

* = *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.

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/18/2025
Report No.: 712176 - Lead Water
Project: Roosevelt ES
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7836489 **Client No.:**RES-DW-1FL-ROOM13	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836490 **Client No.:**RES-DW-1FL-ROOM12	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836491 **Client No.:**RES-DW-1FL-ROOM11	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836492 **Client No.:**RES-WC-1FL-HALL-10-1	**Location:**FB Left * Sample acidified to pH <2.	**Result(ppb):**9.10
Lab No.:7836493 **Client No.:**RES-WC-1FL-HALL-10-2	**Location:**FB Mid * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836494 **Client No.:**RES-WC-1FL-HALL-10-3	**Location:**BF Mid * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836495 **Client No.:**RES-WC-1FL-HALL-10-4	**Location:**FB Right * Sample acidified to pH <2.	**Result(ppb):**2.80
Lab No.:7836496 **Client No.:**RES-WC-1FL-HALL7-1	**Location:**FB Left * Sample acidified to pH <2.	**Result(ppb):**1.10
Lab No.:7836497 **Client No.:**RES-WC-1FL-HALL7-2	**Location:**FB Right * Sample acidified to pH <2.	**Result(ppb):**5.30
Lab No.:7836498 **Client No.:**RES-NS-1FL-NURSE	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**5.10

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

Date Received: 4/16/2025
Date Analyzed: 04/18/2025
Signature: Mark Stewart
Analyst: Mark Stewart

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/18/2025
Report No.: 712176 - Lead Water
Project: Roosevelt ES
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7836499 **Client No.:**RES-TL-1FL-FAC	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**5.10
Lab No.:7836500 **Client No.:**RES-FP-1FL-KITCH-1	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**5.40
Lab No.:7836501 **Client No.:**RES-FP-1FL-KITCH-2	**Location:**Sink Right * Sample acidified to pH <2.	**Result(ppb):**1.40
Lab No.:7836502 **Client No.:**RES-FP-1FL-KITCH-3	**Location:**Sink Left * Sample acidified to pH <2.	**Result(ppb):**3.50
Lab No.:7836503 **Client No.:**RES-FP-1FL-KITCH-4	**Location:**Mini Sink * Sample acidified to pH <2.	**Result(ppb):**15.6
Lab No.:7836504 **Client No.:**RES-BLANK	**Location:**BLANK * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/16/2025
Date Analyzed: 04/18/2025
Signature:
Analyst: Mark Stewart

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/18/2025
Report No.: 712176 - Lead Water
Project: Roosevelt ES
Project No.: 24-0550

Appendix to Analytical Report:

Customer Contact: Mike Karl
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 OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
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.

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 D3559-15D

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

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/18/2025
	20 Lauck Road	Report No.:	712176 - Lead Water
	Mohnton PA 19540	Project:	Roosevelt ES
		Project No.:	24-0550
Client:	KAR387		

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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

004033211

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental Group	**Project Number:**	24-0550
Office Address:	20 Lauck Road	**Project Name:**	Roosevelt E.S. "Kodi"
City, State, Zip:	Mohnton, PA	**Primary Contact:**	Barry Hunsberger
Fax Number:	610-856-5040	**Office Phone:**	800-527-5581
Email Address:	bhunsberger@karlenv.com	**Cell Phone:**	484-269-7870

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: 200.8

Turnaround Time

Preliminary Results Requested Date: _____ ☐ Verbal ☐ Email ☐ Fax

☐ 10 Day ☐ 5 Day ☒ 3 Day (Specific date / time) ☐ 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):	Karl Environmental	Date: 4/16/25	Time:
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released:	QA/QC InterLAB Use:	Date:	Time:

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 4/16/25 RES

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
RES-DW-IFL-ROOM13	7836489	FB				250mL	
RES-DW-IFL-ROOM12	7836490	FB				250mL	
RES-DW-IFL-ROOM11	7836491	FB				250mL	
RES-WC-IFL-HALL-10-1	7836492	FB Left				250mL	
RES-WC-IFL-HALL-10-2	7836493	FB mid				250mL	
RES-WC-IFL-HALL-10-3	7836494	BF mid				250mL	
RES-WC-IFL-HALL-10-4	7836495	FB Right				250mL	
RES-WC-IFL-HALL7-1	7836496	FB Left				250mL	
RES-WC-IFL-HALL7-2	7836[illegible]	FB Right				250mL	
RES-NS-IFL-NURSE	7836[illegible]	SINK				250mL	
RES-TL-IFL-FAC	7836499	SINK				250mL	
RES-FP-IFL-KITCH-1	7836500	SINK RIGHT				250mL	
RES-FP-IFL-KITCH-2	7836501	SINK Left				250mL	
RES-FP-IFL-KITCH-3	7836502	SINK				250mL	
RES-FP-IFL-KITCH-4	7836503	MINI SINK				250mL	

* = *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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: B24-0550

Sampling Date/Time: 4/16/25 RES

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
RES-BLANK	7836504	BLANK				25mL	

** = 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.

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/22/2025
Report No.: 712082 - Lead Water
Project: Thomas Jefferson MS
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7835956 **Client No.:**TMS-WC-BL-HALL103	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835957 **Client No.:**TMS-TL-BL-HALL103	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835958 **Client No.:**TMS-FP-BL-KITCH-2	**Location:**Left Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835959 **Client No.:**TMS-FP-BL-KITCH-1	**Location:**Right Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835960 **Client No.:**TMS-WC-1FL-HALL204	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835961 **Client No.:**TMS-WC-1FL-HALL204-2	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835962 **Client No.:**TMS-DW-2FL-HALL304	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835963 **Client No.:**TMS-BLANK	**Location:**Blank * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/15/2025
Date Analyzed: 04/22/2025
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/22/2025
	20 Lauck Road	Report No.:	712082 - Lead Water
	Mohnton PA 19540	Project:	Thomas Jefferson MS
		Project No.:	24-0550
Client:	KAR387		

Appendix to Analytical Report:

Customer Contact: Mike Karl
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 OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
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 D3559-15D

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

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/22/2025
	20 Lauck Road	Report No.:	712082 - Lead Water
	Mohnton PA 19540	Project:	Thomas Jefferson MS
		Project No.:	24-0550
Client:	KAR387		

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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

004032085

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0550
Office Address:	20 Lauck Rd.	**Project Name:**	Thomas Jefferson MS.
City, State, Zip:	Moharton, PA	**Primary Contact:**	Barry Hunsberger
Fax Number:	610-856-5040	**Office Phone:**	800-527-5581
Email Address:	bhunsberger@karlenv.com	**Cell Phone:**	484-269-7870

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: 2008

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):	Karl Environmental	Date: 04/15/25	Time:
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time: 5-2025
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550 TMS

Sampling Date/Time: 04/15/25

	Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
MS-	WC-BL-HALL103	7835956	FB				250 mL	
MS-	FL-BL-HALL103	7835957	BF				250mL	
MS-	FP-BL-KITCH-2	7835958	Left Sink				250mL	
MS-	FP-BL-KITCH-1	7835959	RIght Sink				250mL	
MS-	WC-1FL-HALL204	7835960	FB				250 mL	
MS-	WC-1FL-HALL204-2	7835961	BF				250mL	
MS-	DW-2FL-HALL304	7835962	FB				250mL	
	TMS-Blank	7835963	Blank				250 mL	

* = *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.

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/18/2025
Report No.: 712080 - Lead Water
Project: Washington Elementary
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7835901 **Client No.:** WES-WC-1FL-HALL18-1	**Location:** BF * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7835902 **Client No.:** WES-WC-1FL-HALL18-2	**Location:** FB * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7835903 **Client No.:** WES-WC-1FL-HALL1	**Location:** FB * Sample acidified to pH <2.	**Result(ppb):** 1.00
Lab No.: 7835904 **Client No.:** WES-WC-1FL-HALL6	**Location:** FB * Sample acidified to pH <2.	**Result(ppb):** 3.30
Lab No.: 7835905 **Client No.:** WES-WC-1FL-HALL13-1	**Location:** FB * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7835906 **Client No.:** WES-WC-1FL-HALL13-2	**Location:** BF * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7835907 **Client No.:** WES-FP-1FL-KITCH-1	**Location:** Sink Left * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7835908 **Client No.:** WES-FP-1FL-KITCH-2	**Location:** Sink Right * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7835909 **Client No.:** WES-WC-2FL-HALLPREK-1	**Location:** BF * Sample acidified to pH <2.	**Result(ppb):** <1.00

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

Date Received: 4/15/2025
Date Analyzed: 04/18/2025
Signature: Mark Stewart
Analyst: Mark Stewart

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/18/2025
Report No.: 712080 - Lead Water
Project: Washington Elementary
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7835910 **Client No.:** WES-WC-2FL-HALLPREK-2	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835911 **Client No.:**WES-WC-2FL-HALL26	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**3.20
Lab No.:7835912 **Client No.:**WES-WC-2FL-HALL28	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835913 **Client No.:**WES-WC-2FL-HALL28-2	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835914 **Client No.:**WES-NS-2FL-NURSE	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**2.60
Lab No.:7835915 **Client No.:**WES-WC-2FL-HALL21	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**2.90
Lab No.:7835916 **Client No.:**WES-2FL-FAC-1	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.40
Lab No.:7835917 **Client No.:**WES-HALL-B5	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**1.20
Lab No.:7835918 **Client No.:**WES-HALL-B2	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7835919 **Client No.:**WES-BLANK	**Location:**BLANK * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/15/2025
Date Analyzed: 04/18/2025
Signature:
Analyst: Mark Stewart

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/18/2025
Report No.: 712080 - Lead Water
Project: Washington Elementary
Project No.: 24-0550

Appendix to Analytical Report:

Customer Contact: Mike Karl
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 OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
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 D3559-15D

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

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/18/2025
	20 Lauck Road	Report No.:	712080 - Lead Water
	Mohnton PA 19540	Project:	Washington Elementary
		Project No.:	24-0550
Client:	KAR387		

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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

004032081

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0550
Office Address:	20 Lauck Rd	**Project Name:**	Washington Elementary
City, State, Zip:	Mohnton, PA	**Primary Contact:**	Barry Hunsberger
Fax Number:	610-856-5040	**Office Phone:**	800-527-5581
Email Address:	bhunsberger@karlenv.com	**Cell Phone:**	484-269-7870

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: 200.8

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):	Karl Environmental	Date: 04/15/25	Time:
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

APR 2025

iATL - DV

IATL
INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 04/15/25 WES

	Client Sample #	IATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
WES	WC-1FL-HALL8-1		BF		7835901		250mL	
WES	WC-1FL-HALL8-2		FB		7835902		250mL	
WES	WC-1FL-HALL2		FB		7835903		250mL	
WES	WC-1FL-HALL6		FB		7835904		250mL	
WES	WC-1FL-HALL3-1		FB		7835905		250mL	
WES	WC-1FL-HALL3-2		BF		7835906		250mL	
WES	FP-1FL-KITCH-1		SINK LEFT		7835907		250mL	
WES	FP-1FL-KITCH-2		SINK RIGHT		7835908		250mL	
WES	WC2FL-HALLPREK-1		BF		7835909		250mL	
WES	WC2FL-HALLPREK-2		FB		7835910		250mL	
WES	WC-2FL-HALL26		FB		7835911		250mL	
WES	WC-2FL-HALL28		FB		7835912		250mL	
WES	WC-2FL-HALL28-2		BF		7835913		250mL	
WES	NS-2FL-NURSE		SINK		7835914		250mL	
WES	WC-2FL-HALL21		FB		7835915		250mL	

* = *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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0550

Sampling Date/Time: 04/15/25 WES

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
WES-FL-2FL-FAC-1		SINK	7835916			250mL	
WES-HAH-BS		FB	7835917			250mL	
WES-HAH-B2		FB	7835918			250mL	
WES-BLANK		BLANK	7835919			250mL	

* = *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.

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/21/2025
Report No.: 712174 - Lead Water
Project: Wilson ES
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7836458 **Client No.:**WIL-FP-BL-KITCH	**Location:**SINK * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836459 **Client No.:**WIL-NS-BL-CAFE	**Location:**SINK * Sample acidified to pH <2.	**Result(ppb):**1.00
Lab No.:7836460 **Client No.:** WIL-DW-BL-HALLMULTI	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836461 **Client No.:**WIL-WC-1FL-HALL103	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836462 **Client No.:**WIL-WC-1FL-HALL103-2	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836463 **Client No.:**WIL-DW-1FL-ROOM102	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836464 **Client No.:**WIL-CS-1FL-ROOM101	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836465 **Client No.:**WIL-WC-2FL-HALL202	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836466 **Client No.:**WIL-WC-2FL-HALL202-2	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7836467 **Client No.:**WIL-WC-2FL-ROOM202	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/16/2025
Date Analyzed: 04/21/2025
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/21/2025
Report No.: 712174 - Lead Water
Project: Wilson ES
Project No.: 24-0550

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7836468 **Location:** FB **Result(ppb):** <1.00
Client No.: WIL-DW-2FL-ROOM201 * Sample acidified to pH <2.

Lab No.: 7836469 **Location:** FB **Result(ppb):** <1.00
Client No.: WIL-WC-2FL-HALL31 * Sample acidified to pH <2.

Lab No.: 7836470 **Location:** BLANK **Result(ppb):** <1.00
Client No.: WIL-BLANK * Sample acidified to pH <2.

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

Date Received: 4/16/2025
Date Analyzed: 04/21/2025
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

eurofins | Built Environment Testing
iATL

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

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 4/21/2025
Report No.: 712174 - Lead Water
Project: Wilson ES
Project No.: 24-0550

Appendix to Analytical Report:

Customer Contact: Mike Karl
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 OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
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 D3559-15D

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

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	4/21/2025
	20 Lauck Road	Report No.:	712174 - Lead Water
	Mohnton PA 19540	Project:	Wilson ES
		Project No.:	24-0550
Client:	KAR387		

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.

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

004033200

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0550
Office Address:	20 Lauck Road	**Project Name:**	Wilson E.S.
City, State, Zip:	Mohnton, PA	**Primary Contact:**	Barry Mongberger
Fax Number:	610-856-5040	**Office Phone:**	800-527-5581
Email Address:	bhunsberger@karlenv.com	**Cell Phone:**	484-269-7870

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: 200.8

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):	Karl Environmental	Date: 4/16/25	Time:
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time:
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

APR 16 2025

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

Sample Log

–Environmental Lead –

Client: Kail Environmental Project: 24-0550

Sampling Date/Time: 4/16/25 WIL

	Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
WIL-	FP-BL-KITCH	7836458	SINK				250mL	
WIL-	NS-BL-NURSE	7836459	SINK				250mL	
WIL-	DW-BL-HALLWAY1	7836460	FB				250mL	
WIL-	WC-1FL-HALL03	7836461	BF				250mL	
WIL-	WC-1FL-HALL03-2	7836462	FB				250mL	
WIL-	DW-1FL-ROOM102	7836463	FB				250mL	
WIL-	CS-1FL-ROOM101	7836464	FB				250mL	
WIL-	WC-2FL-HALL202	7836465	FB				250mL	
WIL-	WC-2FL-HALL202-2	7836466	BF				250mL	
WIL-	CS-2FL-ROOM202	7836467	FB				250mL	
WIL-	DW-2FL-ROOM201	7836468	FB				250mL	
WIL-	WC-2FL-HALL31	7836469	FB				250mL	
WIL-	BLANK	7836470	BLANK				250mL	
WIL-								
WIL-								

* = *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.