Effective and Economical
Environmental Solutions

Lead in Drinking Water Sampling
Per amendments to N.J.A.C 6A:26 Educational Facilities
Garfield Park Academy
24 Glenolden Lane
Willingboro, NJ 08046

Karl Environmental Group Project #: 25-0910

February 20, 2025

Prepared for:
Mr. Steve Warden
Garfield Park Academy
24 Glenolden Lane
Willingboro, NJ 08046

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

February 20, 2025

Mr. Steve Warden
Garfield Park Academy
24 Glenolden Lane
Willingboro, NJ 08046

Re: Lead in Drinking Water Sampling
Per amendments to N.J.A.C 6A:26 Educational Facilities
Garfield Park Academy
24 Glenolden Lane
Willingboro, NJ 08046
Karl Environmental Group Project #: 25-0910

Dear Mr. Warden,

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 Garfield Park Academy (the "Facility") on October 11, 2024, and February 10, 2025.

1.0 PROJECT BACKGROUND

Karl Environmental was contracted by Steve Warden of Garfield Park Academy (the "Client") to perform lead in drinking water sampling to determine the lead content of drinking water from sources at one school building (the "Facility").

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 first-draw drinking water samples from water outlets throughout the Facility on October 11, 2024. 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).

Upon receipt of the results from the first initial sampling event, results showed four outlets were over the regulatory action level. These outlets were taken out of service and remediated. After remediation, Karl performed a second, first-draw sampling on the four outlets that had previously tested over the regulatory action level. 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 Suburban Testing Labs (Suburban), a New Jersey certified laboratory located in Mount Laurel, New Jersey for analysis by EPA method 200.8, NJ DOE.

During the initial sampling event on October 11, 2024, Karl Environmental Group collected the following number of samples at the Facility:

Garfield Park Academy
Forty-Three (43) 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 Table 1 below:

Table 1: Garfield Park Academy-October 11, 2024

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
GPA-KC-1	Kitchen Sink	1.90	No
GPA-CRS-4	Room 9 Sink	8.00	No
GPA-CRS-5	Room 8 Sink	1.50	No
GPA-CRS-6	Room 6 Sink	3.10	No
GPA-CRSNEW-38	Room 7 Sink	1.20	No
GPA-CRS-7	Room 5 Sink	1.10	No
GPA-CRS-FPO	Room 3 Sink	1.60	No
GPA-CRS-WASH	Room 3 Sink	1.60	No
GPA-CRS-HAND	Room 3 Sink	<1.00	No
GPA-CRS-LEFT	Room 1 Left Sink	3.30	No
GPA-CRS-RIGHT	Room 1 Right Sink	2.40	No
GPA-DWB-L-12-1	Bottle Filler	<1.00	No
GPA-DWB-L-12-2	Fountain Bubbler	<1.00	No
GPA-CRS-34	Fountain Bubbler	<1.00	No
GPA-CRS-17	Room 22 Sink	1.20	No
GPA-CM-18	Admin Sink	<1.00	No
GPA-CRSNEW-41	Room 24 Sink	1.10	No
GPA-CRS-23	Room 26 Sink	3.70	No
GPA-CRS-19	Staff Lounge Sink	50.0	Yes
GPA-CM-20	Staff Lounge Fridge	<1.00	No
GPA-WC-21	Staff Lounge Water Cooler	<1.00	No
GPA-RW-22-ICE	Staff Lounge Ice	<1.00	No
GPA-CRS-26	Room 27 Sink	2.50	No
GPA-CRS-25	Room 29 Sink	6.10	No
GPA-CRS-27-R	Room 28 Sink Right	34.0	Yes

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
GPA-CRS-27-L	Room 28 Sink Left	42.0	Yes
GPA-CRS-N30	Room 30 Sink	23.0	Yes
GPA-WC-36	Automotive Water Cooler	<1.00	No
GPA-CRS-37	Carpentry Water Cooler	<1.00	No
GPA-MR-ICE	Multipurpose Room Ice	<1.00	No
GPA-HALL-FB	Fountain Bubbler	<1.00	No
GPA-CRS-33-1	Room 17 Bubbler	<1.00	No
GPA-CRS-33-2	Room 17 Sink	<1.00	No
GPA-CRS-35-A	Room 16 Sink	<1.00	No
GPA-CRS-33-A	Room 13 Sink	2.50	No
GPA-CRS-34-A	Room 15 Sink	3.10	No
GPA-RW-29	Room 11 Fridge	<1.00	No
GPA-BOS-30	Room 11 Sink	1.20	No
GPA-CRS-32	Room 14 Sink	3.40	No
GPA-CRS-31	Room 12 Sink	7.10	No
GPA-NS-28	Nurse Sink	2.80	No
GPA-FP-14	Room 19 Sink	1.10	No
GPA-CRS-15	Room 21 Sink	1.20	No
GPA-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, four (4) of the samples were above the Regulatory Action Level.

Following the remediation of four outlets that tested above the Regulatory Action Level, a second, first-draw sampling event occurred on February 10, 2024. Karl Environmental Group collected the following number of samples on outlets that tested above the regulatory action level at the Facility:

Garfield Park Academy
Four (4) 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 Table 2 below:

Table 1: Garfield Park Academy-February 10, 2025

Sample I.D.	Type of Collection Point	Lead Concentration (ppb)	Above Regulatory Action Level?
GPA-CRS-19	Staff Lounge Sink	<1.00	No
GPA-CRS-27-R	Room 28 Sink Right	<1.00	No
GPA-CRS-27-L	Room 28 Sink Left	<1.00	No
GPA-CRS-N30	Room 30 Sink	<1.00	No
GPA-BLANK	Room 7 Sink	<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, none of the samples were above the Regulatory Action Level.

5.0 CONCLUSIONS & RECOMMENDATIONS

Following the lead in drinking water sampling event conducted on October 11, 2024, and February 10, 2025, all outlets were below the Regulatory Action Level of 15 ppb. 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 must 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 Environmental 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
Industrial Hygienist
Karl Environmental Group
Office: (610)-856-7700
Fax: (610)-856-5040
Cell: 484-345-9846
Email: ameas@karlenv.com

Attachment A:

Analytical Lab Results

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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: 10/21/2024
Report No.: 705653 - Lead Water
Project: Garfield Park Academy
Project No.: 24-0910

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7794947 **Client No.:**GPA-KC-1	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.90
Lab No.:7794948 **Client No.:**GPA-CRS-4	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**8.00
Lab No.:7794949 **Client No.:**GPA-CRS-5	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.50
Lab No.:7794950 **Client No.:**GPA-CRS-6	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**3.10
Lab No.:7794951 **Client No.:**GPA-CRSNEW-38	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.20
Lab No.:7794952 **Client No.:**GPA-CRS-7	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.10
Lab No.:7794953 **Client No.:**GPA-CRS-FPO	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.60
Lab No.:7794954 **Client No.:**GPA-CRS-Wash	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.60
Lab No.:7794955 **Client No.:**GPA-CRS-Hand	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794956 **Client No.:**GPA-CRS-Left	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**3.30

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

Date Received: 10/11/2024
Date Analyzed: 10/21/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7794957 **Client No.:**GPA-CRS-Right	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**2.40
Lab No.:7794958 **Client No.:**GPA-DWB-L-12-1	**Location:**BF * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794959 **Client No.:**GPA-DWB-L-12-2	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794960 **Client No.:**GPA-CRS-34	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794961 **Client No.:**GPA-CRS-17	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.20
Lab No.:7794962 **Client No.:**GPA-CM-18	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794963 **Client No.:**GPA-CRSNEW-41	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.10
Lab No.:7794964 **Client No.:**GPA-CRS-23	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**3.70
Lab No.:7794965 **Client No.:**GPA-CRS-19	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**50.0
Lab No.:7794966 **Client No.:**GPA-CM-20	**Location:**Fridge Water * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

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Signature:
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Client: Karl Environmental Group
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Client: KAR387

Report Date: 10/21/2024
Report No.: 705653 - Lead Water
Project: Garfield Park Academy
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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7794967 **Client No.:**GPA-WC-21	**Location:**Water Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794968 **Client No.:**GPA-RW-22-ICE	**Location:**Fridge Ice * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794969 **Client No.:**GPA-CRS-26	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**2.50
Lab No.:7794970 **Client No.:**GPA-CRS-25	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**6.10
Lab No.:7794971 **Client No.:**GPA-CRS-27-R	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**34.0
Lab No.:7794972 **Client No.:**GPA-CRS-27-I	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**42.0
Lab No.:7794973 **Client No.:**GPA-CRS-N30	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**23.2
Lab No.:7794974 **Client No.:**GPA-WC-36	**Location:**Water Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794975 **Client No.:**GPA-CRS-37	**Location:**Water Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794976 **Client No.:**GPA-MR-ICE	**Location:**Ice * 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: 10/11/2024
Date Analyzed: 10/21/2024
Signature:
Analyst: Chad Shaffer

Approved By:
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Laboratory Director

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Client: KAR387

Report Date: 10/21/2024
Report No.: 705653 - Lead Water
Project: Garfield Park Academy
Project No.: 24-0910

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7794977 **Client No.:**GPA-Hall-FB	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794978 **Client No.:**GPA-CRS-33-1	**Location:**FB * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794979 **Client No.:**GPA-CRS-33-2	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794980 **Client No.:**GPA-CRS-35-A	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794981 **Client No.:**GPA-CRS-33-A	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**2.50
Lab No.:7794982 **Client No.:**GPA-CRS-34-A	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**3.10
Lab No.:7794983 **Client No.:**GPA-RW-29	**Location:**Fridge * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7794984 **Client No.:**GPA-BOS-30	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.20
Lab No.:7794985 **Client No.:**GPA-CRS-32	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**3.40
Lab No.:7794986 **Client No.:**GPA-CRS-31	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**7.10

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

Date Received: 10/11/2024
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Approved By:
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Laboratory Director

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CERTIFICATE OF ANALYSIS

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Client: KAR387

Report Date: 10/21/2024
Report No.: 705653 - Lead Water
Project: Garfield Park Academy
Project No.: 24-0910

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7794987 **Client No.:**GPA-NS-28	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**2.80
Lab No.:7794988 **Client No.:**GPA-FP-14	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.10
Lab No.:7794989 **Client No.:**GPA-CRS-15	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**1.20
Lab No.:7794990 **Client No.:**GPA-Blank	**Location:**Field 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: 10/11/2024
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CERTIFICATE OF ANALYSIS

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Client: KAR387

Report Date: 10/21/2024
Report No.: 705653 - Lead Water
Project: Garfield Park Academy
Project No.: 24-0910

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

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CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	10/21/2024
	20 Lauck Road	Report No.:	705653 - Lead Water
	Mohnton PA 19540	Project:	Garfield Park Academy
		Project No.:	24-0910
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

003813137

Chain of Custody

– Environmental Lead –

Contact Information

Client Company: Karl Environmental
Office Address: 20 Lauck RD
City, State, Zip: Mohnton, PA
Fax Number:
Email Address: bhunsberger@karlenv.com

Project Number: 24-0910
Project Name: Garfield Park Academy
Primary Contact: Barry Hunsberger
Office Phone:
Cell Phone:

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

Matrix/Method:

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

Special Instructions: 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):		Date: 10/11/24	Time: RECEIVED
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time: OCT 11 2024
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released:	QA/QC InterLAB Use:	Date:	Time:

iATL

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: 24-0910 Garfield Pack Ac.

Sampling Date/Time: 10/11/24 8:09 AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
GPA-KC-1	7794947	Sink				250 ML	
GPA-CRS-4	7794948	Sink				250 ML	
GPA-CRS-5	7794949	Sink				250 ML	
GPA-CRS6	7794950	Sink				250 ML	
GPA-CRSNew38	7794951	Sink				250 ML	
GPA-CRS-7	7794952	Sink				250 ML	
GPA-CRS-FPO	7794953	Sink				250 ML	
GPA-CRS-Wash	7794954	Sink				250 ML	
GPA-CRS-Hand	7794955	Sink				250 ML	
~~GPA-CRS-5~~		Eliminated				~~250 ML~~	
RM GPA-CRS-left	7794956	sink				250 ML	
RM GPA-CRS-Right	7794957	sink				250 ML	
GPA-DWB-L-1R-1	7794958	BF				250 ML	
GPA-DWB-L-1R-2	7794959	FB				250 ML	
GPA-CRS-34	7794960	FB				250 ML	

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** = *Insufficient Sample Provided to Analyze (<50mg)* *** = *Matrix / Substrate Interference Possible*
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Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0910 Garfield Park Av

Sampling Date/Time: 10/4/24 8:09 Am

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
GPA-CRS-17	7794961	Sink			250 mL		
GPA-CM-18	7794962	Sink			250 mL		
GPA-CRSNEW-41	7794963	Sink			250 mL		
GPA-CRS-23	7794964	Sink			250 mL		
GPA-CRS-19	7794965	Sink			250 mL		
GPA-CM-20	7794966	Fridge Water			250 mL		
GPA-WC-21	7794967	Water Cooler			250 mL		
GPA-RW-22-RE	7794968	Fridge ICE			250 mL		
GPA-CRS-26	7794969	Sink			250 mL		
GPA-CRS-25	7794970	Sink			250 mL		
GPA-CRS-27-R	7794971	Sink			250 mL		
GPA-CRS-27-L	7794972	Sink			250 mL		
GPA-CRS-N30	7794973	Sink			250 mL		
GPA-WC-36	7794974	Water cooler			250 mL		
GPA-CRS-37	7794975	Water Cooler			250 mL		

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Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0910 Garfield Park Ac.

Sampling Date/Time: 10/11/24 8:09 Am

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
GPA-MBR-ICE	7794976	ICE				250 mL	
~~GPA-MBR-Fridge~~	7794977	~~Fridge~~				~~250 mL~~	
GPA-Hall-FB		FB				250 mL	
GPA-CRS-33-1	7794978	FB				250 mL	
GPA-CRS-33-2	7794979	Smk				250 mL	
GPA-CRS-35-A	7794980	Smk				250 mL	
GPA-CRS-33-A	7794981	Smk				250 mL	
GPA-CRS-34-A	7794982	Smk				250 mL	
GPA-RW-29	7794983	Fridge				250 mL	
GPA-BOS-30	7794984	Smk				250 mL	
GPA-CRS-32	7794985	Sink				250 mL	
GPA-CRS-31	7794986	Sink				250 mL	
GPA-NS-28	7794987	Smk				250 mL	
GPA-FP-14	7794988	Sink				250 mL	
GPA-CRS-15	7794989	Smk				250 mL	

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Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0910 Garfield Park Ac

Sampling Date/Time: 10/11/24 8:09

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
GPA-Blank	7794990	Field Blank					

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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: 2/13/2025
Report No.: 709649 - Lead Water
Project: Garfield Park
Project No.: 24-0910A

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7820670 **Client No.:**GPA-CRS-19	**Location:**Staff Lounge Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7820671 **Client No.:**GPA-CRS-27-R	**Location:**Room 25 - Right Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7820672 **Client No.:**GPA-CRS-27-L	**Location:**Room 25 - Left Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7820673 **Client No.:**GPA-CRS-N30	**Location:**Nurse Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7820674 **Client No.:**GPA-Blank	**Location:**Field 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: 2/10/2025
Date Analyzed: 02/13/2025
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

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Telephone: 856-231-9449
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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 2/13/2025
Report No.: 709649 - Lead Water
Project: Garfield Park
Project No.: 24-0910A

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

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Telephone: 856-231-9449
Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	2/13/2025
	20 Lauck Road	Report No.:	709649 - Lead Water
	Mohnton PA 19540	Project:	Garfield Park
		Project No.:	24-0910A
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.

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003941694

Chain of Custody

– Environmental Lead –

Contact Information

Client Company: Kad Environmental
Office Address: 20 Lauck Rd
City, State, Zip: Mohnton PA
Fax Number:
Email Address: ameas@kadenv.com

Project Number: 24-0910A
Project Name: Garfield Park
Primary Contact: Angela Meas
Office Phone:
Cell Phone:

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

Matrix/Method:

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

Special Instructions:

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***

RECEIVED FEB 10

Chain of Custody

Relinquished (Name/Organization):		Date: 2/10/23	Time:
Received (Name / iATL):		Date: 2/10/23	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:

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Sample Log

–Environmental Lead –

Client: Kar Environmental Project: 24-0910A

Sampling Date/Time: 2/8/25 8:00 AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
GPA-CRS-19	7820670	Staff Large Sink				150 mL	
GPA-CRS-27-R	7820671	Room 28- Right Sink				150 mL	
GPA-CRS-27-L	7820672	Room 28- Left Sink				150 mL	
GPA-CRS-N30	7820673	Nurse Sink				150 mL	
GPA-BLANK	7820674	Field Blank				150 mL	

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** = *Insufficient Sample Provided to Analyze (<50mg)* ***= *Matrix / Substrate Interference Possible*
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