Attachment A:

Analytical Lab Results

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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: 9/4/2024
Report No.: 703991 - Lead Water
Project: Jackson Ave
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7783222 **Client No.:**JA-BF-106	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**1.50
Lab No.:7783223 **Client No.:**JA-FB-106	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783224 **Client No.:**JA-BF-CAFE-R	**Location:**Cafe - Right Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783225 **Client No.:**JA-FB-CAFE-R	**Location:**Cafe - Right Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783226 **Client No.:**JA-BF-CAFE-L	**Location:**Cafe - Left Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783227 **Client No.:**JA-FB-CAFE-L	**Location:**Cafe - Left Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783228 **Client No.:**JA-BF-GYM	**Location:**Gym - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783229 **Client No.:**JA-FB-GYM	**Location:**Gym - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783230 **Client No.:**JA-SO-Kitchen	**Location:**Kitchen * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783231 **Client No.:**JA-FB-209	**Location:**209 - Bubbler * 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: 8/23/2024
Date Analyzed: 09/04/2024
Signature:
Analyst: Mark Stewart

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Client: Karl Environmental Group
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Mohnton PA 19540

Client: KAR387

Report Date: 9/4/2024
Report No.: 703991 - Lead Water
Project: Jackson Ave
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7783232 **Client No.:**JA-BF-209	**Location:**209 - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783233 **Client No.:**JA-SO-Faculty	**Location:**Faculty Sink * Sample acidified to pH <2.	**Result(ppb):**1.00
Lab No.:7783234 **Client No.:**JA-BF-200-L	**Location:**200 - Left Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783235 **Client No.:**JA-FB-200-L	**Location:**200 - Left Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783236 **Client No.:**JA-BF-200-R	**Location:**200 Right - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783237 **Client No.:**JA-FB-200-R	**Location:**200 Right - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783238 **Client No.:**JA-WC-202	**Location:**Nurse - Water Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783239 **Client No.:**JA-BF-305	**Location:**305 - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783240 **Client No.:**JA-FB-305	**Location:**305 - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783241 **Client No.:**JA-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: 8/23/2024
Date Analyzed: 09/04/2024
Signature:
Analyst: Mark Stewart

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/4/2024
Report No.: 703991 - Lead Water
Project: Jackson Ave
Project No.: 24-0702

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:	9/4/2024
	20 Lauck Road	Report No.:	703991 - Lead Water
	Mohnton PA 19540	Project:	Jackson Ave
		Project No.:	24-0702
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

003757235

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0702
Office Address:	20 Lauck Rd	**Project Name:**	Jackson Ave
City, State, Zip:	Moorestown, PA	**Primary Contact:**	Angela Meas
Fax Number:	610-856-5040	**Office Phone:**	610-856-7700
Email Address:	ameas@karlenv.com	**Cell Phone:**	484-345-9846

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

RECEIVED

Relinquished (Name/Organization):		Date: 8/23/24	Time:
Received (Name / iATL):		Date: 8/23/24	Time: 11:01 am
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time: AUG 23 2024
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

iATL - By

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: 24-0702 Jackson Ave

Sampling Date/Time: 8/23/24 7:00 AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
~~JA~~-BF-106	7783222	Bottle filler				250mL	
JA-FB-106	7783223	Bubbler				↓	
JA-BF-CAFE-R	7783224	Cafe - Right Bottle filler					
JA-FB-CAFE-R	7783225	Cafe - Right Bubbler					
JA-BF-CAFE-L	7783226	Cafe - Left Bottle filler					
JA-FB-CAFE-L	7783227	Cafe - Left Bubbler					
JA-BF-GYM	7783228	GYM - Bottle filler					
JA-FB-GYM	7783229	GYM - Bubbler					
JA-SO-Kitchen	7783230	Kitchen					
JA-FB-209	7783231	209 - Bubbler					
JA-BF-209	7783232	209 - Bottle filler					
JA-SO-Faculty	7783233	Faculty Sink					
JA-BF-200-L	7783234	200 - Left Bottle filler					
JA-FB-200-L	7783235	200 - Left Bubbler					
JA-BF-200-R	7783236	200 - right Bottle filler					

* = *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.

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Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0702 Jackson Ave

Sampling Date/Time: 8/23/24 7:00AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
JA-FB-200-R	7783237	200- Right Bibber				250 mL	
JA-WC-202	7783238	Nurse - water Cooler				↓	
JA-BF-305	7783239	305- Bottle filler					
JA-FB-305	7783240	305- Bibber					
JA-Blank	7783241	Field Blank					

** – 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.

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/10/2024
Report No.: 704199 - Lead Water Rev #2, 9/13/2024
Project: Fairmount
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7785036 **Client No.:**FM-BF-115L	**Location:**Left Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785037 **Client No.:**FM-FB-115L	**Location:**Left Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785038 **Client No.:**FM-BF-115R	**Location:**Right Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785039 **Client No.:**FM-FB-115R	**Location:**Right Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785040 **Client No.:**FM-BF-106L	**Location:**Left Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785041 **Client No.:**FM-FB-106L	**Location:**Left Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785042 **Client No.:**FM-BF-106R	**Location:**Right Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785043 **Client No.:**FM-FB-106R	**Location:**Right Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785044 **Client No.:**FM-BF-215L	**Location:**Left Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785045 **Client No.:**FM-FB-215L	**Location:**Left Bubbler * 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: 8/29/2024
Date Analyzed: 09/10/2024
Signature: Mark Stewart
Analyst: Mark Stewart

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/10/2024
Report No.: 704199 - Lead Water Rev #2, 9/13/2024
Project: Fairmount
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7785046 **Client No.:**FM-BF-215R	**Location:**Right Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785047 **Client No.:**FM-FB-215R	**Location:**Right Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785048 **Client No.:**FM-BF-206	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785049 **Client No.:**FM-FB-206	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785050 **Client No.:**FM-BF-311	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785051 **Client No.:**FM-FB-311	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785052 **Client No.:**FM-BF-21	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785053 **Client No.:**FM-FB-21	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785054 **Client No.:**FM-BF-4	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785055 **Client No.:**FM-FB-4	**Location:**Bubbler * 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: 8/29/2024
Date Analyzed: 09/10/2024
Signature:
Analyst: Mark Stewart

Approved By:
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Laboratory Director

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Client: KAR387

Report Date: 9/10/2024
Report No.: 704199 - Lead Water Rev #2, 9/13/2024
Project: Fairmount
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7785056 **Location:**Room 5 Faculty Sink **Result(ppb):**<1.00
Client No.:FM-Faculty Sink * Sample acidified to pH <2.

Lab No.:7785057 **Location:**Field Blank **Result(ppb):**<1.00
Client No.:FM-Blank * Sample acidified to pH <2.

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Date Received: 8/29/2024
Date Analyzed: 09/10/2024
Signature:
Analyst: Mark Stewart

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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Client: KAR387

Report Date: 9/10/2024
Report No.: 704199 - Lead Water
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Project No.: 24-0702

Appendix to Analytical Report:

Customer Contact: Mike Karl
Analysis: AAS-GF - ASTM D3559-15D

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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

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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.

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Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:
- ASTM D3559-15D

Certification:
- NYS-DOH No. 11021
- NJDEP No. 03863

Note: These methods are analytically equivalent to iATL's accredited method;

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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.

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CERTIFICATE OF ANALYSIS

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	20 Lauck Road	Report No.:	704199 - Lead Water
	Mohnton PA 19540	Project:	Fairmount
		Project No.:	24-0702
Client:	KAR387		

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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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003763595

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Kark Environmental	**Project Number:**	24-0702
Office Address:	20 Lauck Rd	**Project Name:**	Fairmount
City, State, Zip:	Mohnton PA	**Primary Contact:**	Angela Meas
Fax Number:	610-856-5040	**Office Phone:**	610-856-7700
Email Address:	ameas@karkenv.com	**Cell Phone:**	484-345-9846

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 (Specific date / time) ☐ 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):	Angela Meas	Date: 8/29/24	Time:
Received (Name / iATL):		Date: 8/29/24	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: Kasl Environmental Project: 24-0702 Fairmount

Sampling Date/Time: 8/29/24 6:00 AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
FM-BF-115L	7785036	Left Bottle filler				250 mL	
FM-FB-115L	7785037	Left Bubbler				↓	
FM-BF-115R	7785038	Right Bottle filler					
FM-FB-115R	7785039	Right Bubbler					
FM-BF-106L	7785040	Left Bottle filler					
FM-FB-106L	7785041	Left Bubbler					
FM-BF-106R	7785042	Right Bottle-filler					
FM-FB-106R	7785043	Right Bubbler					
FM-BF-215L	7785044	Left Bottle filler					
FM-FB-215L	7785045	Left Bubbler					
FM-BF-215R	7785046	Right Bottle filler					
FM-FB-215R	7785047	Right Bubbler					
FM-BF-206	7785048	Bottle filler					
FM-FB-206	7785049	Bubbler					
FM-BF-311	7785050	Bottle filler					

** = 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.

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0702 Fairmont

Sampling Date/Time: 8/29/24 6:00 AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
FM-FB-311	7785051	Bubbler				250mL	
FM-BF-21	7785052	Bottle filler				↓	
FM-FB-21	7785053	Bubbler					
FM-BF-4	7785054	Bottle filler					
FM-FB-4	7785055	Bubbler					
FM-Faulty-Sink	7785056	Rooms Faulty Sink					
FM-Blank	7785057	field blank					

* = *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.

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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: 9/11/2024
Report No.: 704198 - Lead Water
Project: Parker
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7785012 **Client No.:**NP-SO-Kitchen	**Location:**Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785013 **Client No.:**NP-FB-Cafe	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785014 **Client No.:**NP-BF-Cafe	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785015 **Client No.:**NP-BF-201	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785016 **Client No.:**NP-FB-201	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785017 **Client No.:**NP-FB1-Gym	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785018 **Client No.:**NP-FB2-Gym	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785019 **Client No.:**NP-FB1-111	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785020 **Client No.:**NP-FB2-111	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785021 **Client No.:**NP-FB1-102	**Location:**Bottle Filler * 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: 8/29/2024
Date Analyzed: 09/10/2024
Signature: Mark Stewart
Analyst: Mark Stewart

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/11/2024
Report No.: 704198 - Lead Water
Project: Parker
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7785022 **Client No.:**NP-FB2-102	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785023 **Client No.:**NP-BF-131	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785024 **Client No.:**NP-FB-131	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785025 **Client No.:**NP-BF-309	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785026 **Client No.:**NP-FB-309	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785027 **Client No.:**NP-BF-319	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785028 **Client No.:**NP-FB-319	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785029 **Client No.:**NP-BF-413	**Location:**Bottle Filler * 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: 8/29/2024
Date Analyzed: 09/10/2024
Signature:
Analyst: Mark Stewart

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/11/2024
Report No.: 704198 - Lead Water
Project: Parker
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7785030 **Client No.:**NP-FB-413	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785031 **Client No.:**NP-BF-416	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785032 **Client No.:**NP-FB-416	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785033 **Client No.:**NP-BF-401	**Location:**Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785034 **Client No.:**NP-FB-401	**Location:**Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7785035 **Client No.:**NP-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: 8/29/2024
Date Analyzed: 09/11/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/11/2024
Report No.: 704198 - Lead Water
Project: Parker
Project No.: 24-0702

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

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	9/11/2024
	20 Lauck Road	Report No.:	704198 - Lead Water
	Mohnton PA 19540	Project:	Parker
		Project No.:	24-0702
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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003763591

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Kard Environmental	**Project Number:**	24-0702
Office Address:	20 Lauer Rd	**Project Name:**	Parker
City, State, Zip:	Moorestown, NJ	**Primary Contact:**	Angela Meas
Fax Number:	610-856-5040	**Office Phone:**	610-856-7700
Email Address:	ameas@kardenv.com	**Cell Phone:**	484-345-9846

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):		Date: 8/29/24	Time:
Received (Name / iATL):		Date: 8/29/24	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: Karl Environmental Project: 24-0702 Parker

Sampling Date/Time: 8/29/24 7:00 AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
NP-SO-KITCHEN	7785012	SINK				250mL	
NP-FB-CAFE	7785013	Bubbler				↓	
NP-BF-CAFE	7785014	Bottle filler					
NP-BF-201	7785015	Bottle filler					
NP-FB-201	7785016	Bubbler					
NP-FB1-GYM	7785017	Bottle filler					
NP-FB2-GYM	7785018	Bubbler					
NP-FB1-111	7785019	Bottle filler					
NP-FB2-111	7785020	Bubbler					
NP-FB1-102	7785021	Bottle filler					
NP-FB2-102	7785022	Bubbler					
NP-BF-313	7785023	Bottle filler					
NP-FB-313	7785024	Bubbler					
NP-BF-309	7785025	Bottle filler					
NP-FB-309	7785026	Bubbler					

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

Sample Log

–Environmental Lead –

Client: Karl Environmental Project: [redacted] 24-0702 Parker

Sampling Date/Time: 8/29/24 7:00 Am

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
NP-BF-319	7785027	Bottle filler				250 mL	
NP-FB-319	7785028	Bubbler				↓	
NP-BF-413	7785029	Bottle filler					
NP-FB-413	7785030	Bubbler					
NP-BF-416	7785031	Bottle filler					
NP-FB-416	7785032	Bubbler					
NP-BF-401	7785033	Bottle filler					
NP-FB-401	7785034	Bubbler					
NP-Blank	7785035	field blank					

* = *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.
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Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/6/2024
Report No.: 703990 - Lead Water
Project: Hillers School
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7783187 **Client No.:**FH-BF-Custodial	**Location:**Outside Custodial Office - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783188 **Client No.:**FH-WC-Custodial	**Location:**Outside Custodial Office - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783189 **Client No.:**FH-BF-214	**Location:**Outside 214 - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783190 **Client No.:**FH-WC-214	**Location:**Outside 214 - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783191 **Client No.:**FH-BF-205-Left 1	**Location:**Outside 205 - Bottle Filler - Left * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783192 **Client No.:**FH-WC-205-Left 1	**Location:**Outside 205 - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783193 **Client No.:**FH-BF-205-Right 2	**Location:**Outside 205 - Bottle Filler - Right * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783194 **Client No.:**FH-WC-205-Right 2	**Location:**Outside 205 - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783195 **Client No.:**FH-BF-113	**Location:**Outside 113 - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783196 **Client No.:**FH-WC-113	**Location:**Outside 113 - Bubbler * 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: 8/23/2024
Date Analyzed: 09/06/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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iATL

9000 Commerce Parkway Suite B
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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: 9/6/2024
Report No.: 703990 - Lead Water
Project: Hillers School
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7783197 **Client No.:**FH-BF-114	**Location:**Beside 114 - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783198 **Client No.:**FH-WC-114	**Location:**Beside 114 - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783199 **Client No.:**FH-BF-303	**Location:**Outside 303 - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783200 **Client No.:**FH-WC-303	**Location:**Outside 303 - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783201 **Client No.:**FH-BF-304	**Location:**304 - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783202 **Client No.:**FH-WC-304	**Location:**304 - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783203 **Client No.:**FH-BF-AUD-LEFT	**Location:**Outside Auditorium Left - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783204 **Client No.:**FH-WC-AUD-LEFT	**Location:**Outside Auditorium Left - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783205 **Client No.:**FH-BF-AUD-RIGHT	**Location:**Outside Auditorium Right - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783206 **Client No.:**FH-WC-AUD-RIGHT	**Location:**Outside Auditorium Right - Bubbler * 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: 8/23/2024
Date Analyzed: 09/06/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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iATL

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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: 9/6/2024
Report No.: 703990 - Lead Water
Project: Hillers School
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7783207 **Client No.:**FH-BF-Health Hall - Left	**Location:**Health Hall Left - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783208 **Client No.:**FH-WC-Health Hall - Left	**Location:**Health Hall Left - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783209 **Client No.:**FH-BF-Health Hall - Right	**Location:**Health Hall Right - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783210 **Client No.:**FH-WC-Health Hall - Right	**Location:**Health Hall Right - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783211 **Client No.:**FH-BF-K Hall - Left	**Location:**Kindergarten Hall Left - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783212 **Client No.:**FH-WC-K Hall - Left	**Location:**Kindergarten Hall Left - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783213 **Client No.:**FH-BF-K Hall - Right	**Location:**Kindergarten Hall Right - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783214 **Client No.:**FH-WC-K Hall - Right	**Location:**Kindergarten Hall Right - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783215 **Client No.:**FH-BF-413	**Location:**413 - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783216 **Client No.:**FH-WC-413	**Location:**413 - Bubbler * 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: 8/23/2024
Date Analyzed: 09/06/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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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: 9/6/2024
Report No.: 703990 - Lead Water
Project: Hillers School
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7783217 **Client No.:**FH-BF-401	**Location:**401 - Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783218 **Client No.:**FH-WC-401	**Location:**401 - Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783219 **Client No.:**FH-BF-Faculty	**Location:**Faculty Water Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783220 **Client No.:**FH-WC-Faculty	**Location:**Faculty Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7783221 **Client No.:**FH-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: 8/23/2024
Date Analyzed: 09/06/2024
Signature:
Analyst: Chad Shaffer

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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:	9/6/2024
	20 Lauck Road	Report No.:	703990 - Lead Water
	Mohnton PA 19540	Project:	Hillers School
		Project No.:	24-0702
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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003757240

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Kael Environmental	**Project Number:**	24-0702
Office Address:	20 Lasek Rd	**Project Name:**	Hillers School
City, State, Zip:	Johnston, PA	**Primary Contact:**	Angela Meas
Fax Number:	610-856-5010	**Office Phone:**	610-856-7700
Email Address:	ameas@kaelenv.com	**Cell Phone:**	484-345-9846

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):		Date: 8/23/24	Time: RECEIVED
Received (Name / iATL):		Date: 8/23/24	Time: 11:01 am
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time: AUG 23 2024
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

iATL - Cy

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Sample Log

–Environmental Lead –

Client: Kart Environmental Project: 24-0702 Fanny Hillers

Sampling Date/Time: 8/23/24 6:00 AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
FH-BF-Custodial	7783187	Outside Custodial office - Bottle filler				250 mL	
FH-WC-Custodial	7783188	Outside Custodial Office - Bubbler				↓	
FH-BF-214	7783189	Outside 214 Bottle filler					
FH-WC-214	7783190	Outside 214 Bubbler					
FH-BF-205-Left1	7783191	Outside 205 Bottle filler - left					
FH-WC-205-Left1	7783192	Outside 205 Bubbler - left					
FH-BF-205-Right2	7783193	Outside 205 Bottle filler - right					
FH-WC-205-Right2	7783194	Outside 205 Bubbler - right					
FH-BF-113	7783195	Outside 113 Bottle filler					
FH-WC-113	7783196	Outside 113 ~~Bottle filler~~ Bubbler					
FH-BF-114	7783197	Beside 114 Bottle filler					
FH-WC-114	7783198	Beside 114 Bubbler					
FH-BF-303	7783199	Outside 303 Bottle filler					
FH-WC-303	7783200	Outside 303 Bubbler					
FH-BF-304	7783201	304 - Bottle filler					

** = 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.

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Sample Log

–Environmental Lead –

Client: Kael Environmental Project: 24-0702 Fanny Hillers

Sampling Date/Time: 8/23/24 6:00 AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
FH-WC-304	7783202	Left Bubbler				250 mL	
FH-BF-AUD-LEFT	77832[illegible]3	Outside Auditorium Left Bottle filler				↓	
FH-WC-AUD-LEFT	77832[illegible]4	Outside Auditorium Left Bubbler					
FH-BF-AUD-RIGHT	77832[illegible]5	Outside Auditorium Right Bottle filler					
FH-WC-AUD-RIGHT	77832[illegible]6	Outside Auditorium Right Bubbler					
FH-BF-Health Hall-Left	77832[illegible]7	Health Hall Left Bottle filler					
FH-WC-Health Hall-Left	[illegible]	Health Hall Left Bubbler					
FH-BF-Health Hall-Right	77832[illegible]9	Health Hall Right Bottle filler					
FH-WC-Health Hall-Right	77832[illegible]0	Health Hall Right Bubbler					
FH-BF-K Hall-Left	[illegible]	Kindergarten Hall Left Bottle filler					
FH-WC-K Hall-Left	77832[illegible]2	Kindergarten Hall Left Bubbler					
FH-BF-K Hall-Right	77832[illegible]3	Kindergarten Hall Right Bottle filler					
FH-WC-K Hall-Right	77832[illegible]4	Kindergarten Hall Right Bubbler					
FH-BF-413	[illegible]	413 Bottle filler					
FH-WC-413	77832[illegible]6	413 Bubbler					

* = *Insufficient Sample Provided to Perform QC Reanalysis (<200mg)*
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Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0702 Fanny Hillers

Sampling Date/Time: 8/23/24 6:00Am

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
FH-BF-401	7783217	401 Bottlefiller				250mL	
FH-WC-401	7783218	401 Bubbler				↓	
FH-WC-Faculty	7783219	Faculty water cooler					
FH-SD-Faculty	7783220	Faculty Sink					
FH-Blank	7783221	Field Blank					

** – 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.
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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date:
Report No.: 703935 - Lead Water
Project: Hackensack MS
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7782860 **Client No.:**HM-SO-306	**Location:**306 Sink * Sample acidified to pH <2.	**Result(ppb):**9.60
Lab No.:7782861 **Client No.:**HM-FB-304	**Location:**304 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782862 **Client No.:**HM-BF-CAFE	**Location:**Cafe Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782863 **Client No.:**HM-BF-310	**Location:**310 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782864 **Client No.:**HM-BF-304	**Location:**304 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782865 **Client No.:**HM-BF-219	**Location:**219 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**2.50
Lab No.:7782866 **Client No.:**HM-BF-224	**Location:**224 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782867 **Client No.:**HM-BF-236	**Location:**236 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782868 **Client No.:**HM-BF-241	**Location:**241 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782869 **Client No.:**HM-BF-131	**Location:**131 Bottle Filler * 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: 8/22/2024
Date Analyzed: 09/06/2024

Signature:
Analyst:

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

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Client: KAR387

Report Date:
Report No.: 703935 - Lead Water
Project: Hackensack MS
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7782870 **Client No.:**HM-BF-LOBBY-RR	**Location:**Right Bank Right Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782871 **Client No.:**HM-WC-LOBBY-RR	**Location:**Right Bank Right Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782872 **Client No.:**HM-BF-LOBBY-RL	**Location:**Right Bank Left Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782873 **Client No.:**HM-WC-LOBBY-RL	**Location:**Right Bank Left Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782874 **Client No.:**HM-FB-117	**Location:**117 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782875 **Client No.:**HM-FD-219ANNEX	**Location:**219 Annex Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782876 **Client No.:**HM-FB1-219ANNEX	**Location:**219 Annex Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782877 **Client No.:**HM-FB-203	**Location:**203 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782878 **Client No.:**HM-FB-ELEVATOR	**Location:**1st Floor Annex Elevator Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782879 **Client No.:**HM-BF-ELEVATOR	**Location:**1st Floor Annex Elevator Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00

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Client: KAR387

Report Date:
Report No.: 703935 - Lead Water
Project: Hackensack MS
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7782880 **Client No.:**HM-FB-202ANNEX	**Location:**202 Annex Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782881 **Client No.:**HM-BF-202ANNEX Note: Sample turbidity >1.0 NTU. Does not meet Federal and NJ State Primary and Secondary Drinking Water Standards.	**Location:**2022 Annex Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782882 **Client No.:**HM-FB1-110ANNEX	**Location:**110 Annex Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782883 **Client No.:**HM-FB2-110ANNEX	**Location:**110 Annex Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782884 **Client No.:**HM-FB-219	**Location:**219 Bubbler * Sample acidified to pH <2.	**Result(ppb):**2.40
Lab No.:7782885 **Client No.:**HM-FB-224	**Location:**224 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782886 **Client No.:**HM-FB-236	**Location:**236 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782887 **Client No.:**HM-FB-241	**Location:**241 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782888 **Client No.:**HM-BF-203	**Location:**203 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782889 **Client No.:**HM-FB-310	**Location:**310 Bubbler * 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: 8/22/2024
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Client: KAR387

Report Date:
Report No.: 703935 - Lead Water
Project: Hackensack MS
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7782890 **Client No.:**HM-BLANK	**Location:**Blank * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782891 **Client No.:**HM-SO-NURSE	**Location:**Nurse Sink * Sample acidified to pH <2.	**Result(ppb):**1.00
Lab No.:7782892 **Client No.:**HM-FB-CAFE	**Location:**Cafe Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782893 **Client No.:**HM-FB2-GYL	**Location:**Left Bank Left Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782894 **Client No.:**HM-FB1-GYMLOBBY	**Location:**Left Bank Right Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782895 **Client No.:**HM-ICM-KIT	**Location:**Ice Machine * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782896 **Client No.:**HM-SO1-KIT	**Location:**Food Prep Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782897 **Client No.:**HM-FB4-GYL	**Location:**Left Bank Left Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782898 **Client No.:**HM-FB3-GYL	**Location:**Left Bank Right Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782899 **Client No.:**HM-FB-131	**Location:**131 Bubbler * 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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Report Date:
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Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7782900 **Client No.:**HM-SO1-116A	**Location:**116 Left Sink * Sample acidified to pH <2.	**Result(ppb):**1.00
Lab No.:7782901 **Client No.:**HM-SO2-116A	**Location:**116 Right Sink * Sample acidified to pH <2.	**Result(ppb):**1.00
Lab No.:7782902 **Client No.:**HM-FB1-BL	**Location:**Girl's Locker Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782903 **Client No.:**HM-FB2-BL	**Location:**Girl's Locker Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782904 **Client No.:**HM-BF-117	**Location:**117 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782905 **Client No.:**HM-BF-BLR	**Location:**Boy's Locker Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782906 **Client No.:**HM-FB-BLR	**Location:**Boy's Locker Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00

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Date Received: 8/22/2024
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Client: KAR387

Report Date:
Report No.: 703935 - Lead Water
Project: Hackensack MS
Project No.: 24-0702

Appendix to Analytical Report:

Customer Contact: Mike Karl
Analysis: AAS-GF - ASTM D3559-15D

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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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9000 Commerce Parkway Suite B
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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:
Report No.: 703935 - Lead Water
Project: Hackensack MS
Project No.: 24-0702

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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003755195

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0702
Office Address:	20 Lauck Rd.	**Project Name:**	Hackensack middle school
City, State, Zip:	Mohnton, PA 19540	**Primary Contact:**	Sean Kennedy
Fax Number:	610-856-5040	**Office Phone:**	610-856-7700
Email Address:	skennedy@karlenv.com, deerbone@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):		Date: 8/22/24	Time: [illegible]
Received (Name / iATL):		Date: 8/22/24	Time: 10:40 AM
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):		Date:	Time:
QA/QC Review (Name / iATL):		Date:	Time: AUG 22 2024
Archived / Released:	QA/QC InterLAB Use:	Date:	Time:

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Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0702 Middle School

Sampling Date/Time: 8/22/24

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HM-SO-306	7782860	306 Sink				250mL	
HM-FB-304	7782861	304 Bubbler					
HM-BF-CAFE	7782862	Cafe Bubbler					
HM-BF-310	7782863	310 Bottle Filler					
HM-BF-304	7782864	304 Bottle Filler					
HM-BF-219	7782865	219 Bottle Filler					
HM-BF-224	7782866	224 Bottle Filler					
HM-BF-236	7782867	236 Bottle Filler					
HM-BF-241	7782868	241 Bottle Filler					
HM-BF-131	7782869	131 Bottle Filler					
HM-BF-Lobby-RR	7782870	Right bank right bottle filler					
HM-UX-Lobby-RR	7782871	Right bank right bubbler					
HM-BF-Lobby-RL	7782872	Right bank left bottle filler					
HM-UX-Lobby-RL	7782873	Right bank left bubbler					
HM-FB-117	7782874	117 Bubbler					

* = *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.

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Sample Log

–Environmental Lead –

Client: Kerl Environmental Project: 24-0702 middle school

Sampling Date/Time: 8/22/24

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HM-FB-219ANNEX	7782875	219 annex Bottle Filler				250ml	
HM-FB1-219ANNEX	7782876	219 annex Bubbler					
HM-FB-203	7782877	203 Bubbler					
HM-FB-ELEVATOR	7782878	1st floor annex elevator bubbler					
HM-BF-ELEVATOR	7782879	1st floor annex elevator bottle filler					
HM-FB-202ANNEX	7782880	202 annex Bubbler					
HM-BF-202ANNEX	7782881	202 annex Bottle Filler					
HM-FB1-110ANNEX	7782882	110 annex bubbler					
HM-FB2-110ANNEX	7782883	110 annex bottle filler					
HM-FB-219	7782884	219 Bubbler					
HM-FB-224	7782885	224 Bubbler					
HM-FB-236	7782886	236 Bubbler					
HM-FB-241	7782887	241 Bubbler					
HM-BF-203	7782888	203 Bottle Filler					
HM-FB-310	7782889	310 Bubbler					

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Sample Log

–Environmental Lead –

Client: Karl Environmental Project: 24-0102 middle school

Sampling Date/Time: 8/22/24

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HM-BLANK	7782890	Blank				25ml	
HM-SO-NURSE	7782891	Nurse sink					
HM-FB-CAFE	7782892	Cafe bubbler					
HM-FB2-GYL	7782893	Left bank left bubbler					
HM-FB1-GYMLOBBY	7782894	Left bank right bubbler					
HM-ICM-KIT	7782895	Ice machine					
HM-SO1-KIT	7782896	Food prep sink					
HM-FB4-GYL	7782897	Left bank left bottle filler					
HM-FB3-GYL	7782898	Left bank right bottle filler					
HM-FB-131	7782899	131 Bubbler					
HM-SO1-116A	7782900	116 left sink					
HM-SO2-116A	7782901	116 right sink					
~~HM-FB-GYM~~							
HM-FB1-BL	7782902	Girl's locker bubbler					
HM-FB2-BL	7782903	Girl's locker bottle filler					

* = 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.

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Sample Log

–Environmental Lead –

Client: Bar/Environmental Project: 24-0702 Middle School

Sampling Date/Time: 8/22/24

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HM-BF-107	7782904	107 Bottle filler				250mL	
HM-BF-BLR	7782905	Boy's locker bottle filler				1	
HM-FB-BLR	7782906	Boy's locker bubbler				1	

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** = *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.

Middle school

COC	Sample I.D.	Type of Collection Point	Sampled?	Time	Notes
✓	HM-BLANK	Field Blank			
	HM-SO-MAIN OFFICE	Sink	X		DNE
	HM-WC-MO	Water Cooler			DNE
✓	HM-SO-NURSE	Sink	✓ ✓	7:12	
✓	HM-FB-CAFE	Fountain Bubbler	✓ ✓	8:40	
✓	HM-FB2-GYL	Fountain Bubbler	✓ ✓	8:55	Left bank left wc
✓	HM-FB1-GYM LOBBY	Fountain Bubbler	✓ ✓	8:55	Left bank (R) wc
✓	HM-ICM-KIT	Ice Machine	✓ ✓	8:03	
	HM-SO5-KIT	Sink	X		No FP
	HM-SO4-KIT	Sink	X		
	HM-SO3-KIT	Sink	X		
	HM-SO2-KIT	Sink	X		
✓	HM-SO1-KIT	Sink	✓ ✓	8:01	(5) Food prep
✓	HM-FB4-GYL	~~Fountain Bubbler~~ BF	✓ ✓	8:57	Left bank left BF
✓	HM-FB3-GYL	~~Fountain Bubbler~~ BF	✓ ✓	8:55	Left bank (R) BF
✓	HM-FB-131	Fountain Bubbler	✓ ✓	7:11	
✓	HM-SO1-116A	Sink	✓ ✓	7:16	(5)
✓	HM-SO2-116A	Sink	✓ ✓	7:16	(2)
	HM-FB-GYM	Fountain Bubbler			Girls
✓	HM-FB1-BL	Fountain Bubbler	✓ ✓	7:57	[redacted] locker
✓	HM-FB2-BL	Bottle Filler	✓ ✓	7:57	[redacted] locker
✓	HM-FB1-110 ANNEX	Water Cooler	✓ ✓	7:25	Girls
✓	HM-FB2-110 ANNEX	Bottle Filler	✓ ✓	7:25	
	HM-FB1-134N ANNEX	Water Cooler			
	HM-FB2-134N ANNEX	Bottle Filler			
	HM-FB-214 ANNEX	Fountain Bubbler			
✓	HM-FB~~1~~-214 ANNEX	~~Water~~ Cooler	✓ ✓		
✓	HM-FB~~1~~-214 ANNEX	~~Bottle Filler~~	✓ ✓		
✓	HM-FB-203	Fountain Bubbler	✓ ✓	7:32	
	✓HM-FB-Elevator		✓ ✓		Annex elevator
	✓HM-BF-Elevator		✓ ✓		"
	HM-FB-202 ANNEX		✓ ✓		
	✓HM-BF-202-ANNEX		✓ ✓		

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 8/22/2024
Report No.: 703672 - Lead Water Rev #2, 8/26/2024
Project: Hackensack High School
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7780891 **Client No.:**HH-BF-160	**Location:**160 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780892 **Client No.:**HH-WC-160	**Location:**160 Bubbler * Sample acidified to pH <2.	**Result(ppb):**1.00
Lab No.:7780893 **Client No.:**HH-BF-Cafe	**Location:**Cafe Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780894 **Client No.:**HH-WC-Cafe	**Location:**Cafe Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780895 **Client No.:**HH-BF-210	**Location:**210 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780896 **Client No.:**HH-FB-210	**Location:**210 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780897 **Client No.:**HH-FB-201	**Location:**201 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780898 **Client No.:**HH-BF-201	**Location:**201 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780899 **Client No.:**HH-BF-218	**Location:**218 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780900 **Client No.:**HH-FB-218	**Location:**218 Bubbler * 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: 8/15/2024
Date Analyzed: 08/22/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 8/22/2024
Report No.: 703672 - Lead Water Rev #2, 8/26/2024
Project: Hackensack High School
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7780901 **Client No.:**HH-FB-406	**Location:**406 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780902 **Client No.:**HH-BF-406	**Location:**406 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780903 **Client No.:**HH-BF-422	**Location:**422 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780904 **Client No.:**HH-FB-422	**Location:**422 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780905 **Client No.:**HH-FB-307	**Location:**307 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780906 **Client No.:**HH-BF-307	**Location:**307 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780907 **Client No.:**HH-BF-301	**Location:**301 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780908 **Client No.:**HH-FB-301	**Location:**301 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780909 **Client No.:**HH-FB1-344	**Location:**344 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780910 **Client No.:**HH-BF-344	**Location:**344 Bottle Filler * 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: 8/15/2024
Date Analyzed: 08/22/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 8/22/2024
Report No.: 703672 - Lead Water Rev #2, 8/26/2024
Project: Hackensack High School
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7780911 **Client No.:**HH-FB-334	**Location:**334 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780912 **Client No.:**HH-BF-334	**Location:**334 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780913 **Client No.:**HH-FB-Library	**Location:**Library Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780914 **Client No.:**HH-BF-Library	**Location:**Library Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780915 **Client No.:**HH-FB-322	**Location:**322 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780916 **Client No.:**HH-BF-322	**Location:**322 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780917 **Client No.:**HH-FB-186	**Location:**186 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780918 **Client No.:**HH-BF-186	**Location:**186 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780919 **Client No.:**HH-FB-181	**Location:**181 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780920 **Client No.:**HH-BF-181	**Location:**181 Bottle Filler * 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: 8/15/2024
Date Analyzed: 08/22/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
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Client: KAR387

Report Date: 8/22/2024
Report No.: 703672 - Lead Water Rev #2, 8/26/2024
Project: Hackensack High School
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7780921 **Client No.:**HH-FB-FH1	**Location:**Fieldhouse 1 Right Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780922 **Client No.:**HH-BF-FH1	**Location:**Fieldhouse 1 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780923 **Client No.:**HH-FB2-FH1	**Location:**Fieldhouse 1 Left Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780924 **Client No.:**HH-ICM-FH1	**Location:**Fieldhouse 1 Ice Machine * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780925 **Client No.:**HH-BF-FH2	**Location:**Fieldhouse 2 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780926 **Client No.:**HH-FB-FH2	**Location:**Fieldhouse 2 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780927 **Client No.:**HH-FB-287	**Location:**287 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780928 **Client No.:**HH-BF-287	**Location:**287 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780929 **Client No.:**HH-FB-276	**Location:**276 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7780930 **Client No.:**HH-BF-276	**Location:**276 Bottle Filler * 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: 8/15/2024
Date Analyzed: 08/22/2024
Signature:
Analyst: Chad Shaffer

Approved By:
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Laboratory Director

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Report Date: 8/22/2024
Report No.: 703672 - Lead Water Rev #2, 8/26/2024
Project: Hackensack High School
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7780931 **Client No.:** HH-FB-Weight	**Location:** Wight Room Bubbler * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7780932 **Client No.:** HH-BF-Weight	**Location:** Weight Room Bottle Filler * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7780933 **Client No.:** HH-Blank-FH1	**Location:** Blank * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7780934 **Client No.:** HH-Blank-FH2	**Location:** Blank * Sample acidified to pH <2.	**Result(ppb):** <1.00
Lab No.: 7780935 **Client No.:** HH-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: 8/15/2024
Date Analyzed: 08/22/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	8/22/2024
	20 Lauck Road	Report No.:	703672 - Lead Water
	Mohnton PA 19540	Project:	Hackensack High School
		Project No.:	24-0702
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

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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	Report Date:	8/22/2024
	20 Lauck Road	Report No.:	703672 - Lead Water
	Mohnton PA 19540	Project:	Hackensack High School
		Project No.:	24-0702
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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Asbestos Testing Laboratories

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

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0702
Office Address:	20 Lauer Rd	**Project Name:**	Hackensack High School
City, State, Zip:	Mohnton, PA 19540	**Primary Contact:**	Angela Meas
Fax Number:	610-856-5040	**Office Phone:**	610-856-7700
Email Address:	ameas@karlenv.com	**Cell Phone:**	484-345-9846

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):	[signature]	Date: 8/15/24	Time: RECEIVED
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date:	Time:
Analysis(Name(s) / iATL):	[signature]	Date:	Time: AUG 15 2024
QA/QC Review (Name / iATL):		Date:	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

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Sample Log

–Environmental Lead –

Client: Karl Environmental Project: Hackensack High School

Sampling Date/Time: 8/15/24

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HH-BF-160	7780891	160 Bottle filler		557		250mL	
HH-WC-160	7780892	160 Bubbler		557			
HH-BF-CAFE	7780893	Cafe Bottle filler		602			
HH-WC-CAFE	7780894	Cafe Bubbler		602			
* HH-BF-210	7780895	210 Bottle filler		605			
HH-FB-210	7780896	210 Bubbler		605			
HH-FB-201	7780897	201 Bubbler		606			
HH-BF-201	7780898	201 Bottle filler		606			
HH-BF-218	7780899	218 Bottle filler		610			
HH-FB-218	7780900	218 Bubbler		610			
HH-FB-406	7780901	406 Bubbler		615			
HH-BF-406	7780902	406 Bottle filler		615			
HH-BF-422	7780903	422 Bottle filler		617			
HH-FB-422	7780904	422 Bubbler		617			
HH-FB-307	7780905	307 Bubbler		620			

* = 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.

* Labeled HH-BF-110

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Sample Log

–Environmental Lead –

Client: Kar/Environmental Project: Hackensack High School

Sampling Date/Time: 8/15/24

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HH-BF-307	7780906	307 Bottle filler		620		250mL	
HH-BF-301	7780907	301 Bottle filler		622			
HH-FB-301	7780908	301 Bubbler		622			
HH-FB1-344	7780909	344 Bubbler		626			
HH-BF-344	7780910	344 Bottle filler		626			
HH-FB-334	7780911	334 Bubbler		630			
HH-BF-334	7780912	334 Bottle filler		630			
HH-FB-LIBRARY	7780913	Library Bubbler		632			
HH-BF-LIBRARY	7780914	Library Bottle filler		632			
HH-FB-322	7780915	322 Bubbler		635			
HH-BF-322	7780916	322 Bottle filler		635			
HH-FB-186	7780917	186 Bubbler		640			
HH-BF-186	7780918	186 Bottle filler		640			
HH-FB-181	7780919	181 Bubbler		642			
HH-BF-181	7780920	181 Bottle filler		642			

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Sample Log

–Environmental Lead –

Client: Karl Environmental Project: Hackensack High School

Sampling Date/Time: 8/15/24

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HH-FB-FH1	7780931	Fieldhouse 1 Right bubbler		650		250mL	
HH-BF-FH1	7780932	Field house 1 Bottle filler		650			
HH-FB2-FH1	7780933	Field house 1 Left bubbler		650			
AH-ICM-FH1	7780934	Field house 1 Ice machine		650			
HH-BF-FH2	7780935	Field house 2 Bottle filler		655			
HH-FB-FH2	7780936	Field house 2 Bubbler		655			
HH-FB-287	7780927	287 Bubbler		702			
HH-BF-287	7780928	287 Bottle filler		702			
HH-FB-276	7780929	276 Bubbler		704			
HH-BF-276	7780930	276 Bottle filler		704			
HH-FB-weight	7780931	weight room Bubbler		710			
HH-BF-weight	7780932	weight room Bottle filler		710			
HH-BLANK-FH1	7780933	Blank					
HH-BLANK-FH2	7780934	Blank					
HH-BLANK	7780935	Blank	Acidified	NS 8/19/24			

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/12/2024
Report No.: 704360 - Lead Water
Project: Hackensack HS
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7786104 **Client No.:**HH-BF-1-MGL	**Location:**Gym Main Lobby Right Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786105 **Client No.:**HH-FB-1-MGL	**Location:**Gym Main Lobby Right Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786106 **Client No.:**HH-BF-2-MGL	**Location:**Gym Main Lobby Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786107 **Client No.:**HH-FB-2-MGL	**Location:**Gym Main Lobby Middle Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786108 **Client No.:**HH-FB3-MGL	**Location:**Gym Main Lobby Left Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786109 **Client No.:**HH-FB4-MGL	**Location:**Gym Main Lobby Left Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786110 **Client No.:**HH-BF4-MGL	**Location:**Gym Main Lobby Left Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786111 **Client No.:**HH-BF5-MGL	**Location:**Gym Main Lobby Right Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786112 **Client No.:**HH-FB5-MGL	**Location:**Gym Main Lobby Right Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786113 **Client No.:**HH-FB-Rear Gym	**Location:**Bubbler * 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: 9/4/2024
Date Analyzed: 09/12/2024
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/12/2024
Report No.: 704360 - Lead Water
Project: Hackensack HS
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7786114 **Client No.:**HH-S01-195	**Location:**Sink HH-S01-195 * Sample acidified to pH <2.	**Result(ppb):**1.60
Lab No.:7786115 **Client No.:**HH-S02-195	**Location:**Sink HH-S02-195 * Sample acidified to pH <2.	**Result(ppb):**Sample Not Received
Lab No.:7786116 **Client No.:**HH-S03-195	**Location:**Sink HH-S03-195 * Sample acidified to pH <2.	**Result(ppb):**2.00
Lab No.:7786117 **Client No.:**HH-S04-195	**Location:**Sink HH-S04-195 * Sample acidified to pH <2.	**Result(ppb):**2.50
Lab No.:7786118 **Client No.:**HH-PotFiller-195	**Location:**Pot Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786119 **Client No.:**HH-S05-195	**Location:**Sink HH-S05-195 * Sample acidified to pH <2.	**Result(ppb):**2.10
Lab No.:7786120 **Client No.:**HH-S02-Cafe	**Location:**Cafe Kitchen * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7786121 **Client No.:**HH-S01-Cafe	**Location:**Cafe Kitchen * Sample acidified to pH <2.	**Result(ppb):**32.3
Lab No.:7786122 **Client No.:**HH-S03-Cafe	**Location:**Cafe Kitchen * Sample acidified to pH <2.	**Result(ppb):**2.30
Lab No.:7786123 **Client No.:**HH-S04-Cafe	**Location:**Cafe Kitchen * 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: 9/4/2024
Date Analyzed: 09/12/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/12/2024
Report No.: 704360 - Lead Water
Project: Hackensack HS
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7786124 **Location:**Ice Machine **Result(ppb):**<1.00
Client No.:HH-ICM-Cafe * Sample acidified to pH <2.

Lab No.:7786125 **Location:**Custodian Break Room **Result(ppb):**1.10
Client No.:HH-S0-Custodian * Sample acidified to pH <2.

Lab No.:7786126 **Location:**Field Blank **Result(ppb):**<1.00
Client No.:HH-Field Blank * Sample acidified to pH <2.

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

Date Received: 9/4/2024
Date Analyzed: 09/12/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/12/2024
Report No.: 704360 - Lead Water
Project: Hackensack HS
Project No.: 24-0702

Appendix to Analytical Report:

Customer Contact: Mike Karl
Analysis: AAS-GF - ASTM D3559-15D

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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.

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- NJDEP No. 03863

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Telephone: 856-231-9449
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CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	9/12/2024
	20 Lauck Road	Report No.:	704360 - Lead Water
	Mohnton PA 19540	Project:	Hackensack HS
		Project No.:	24-0702
Client:	KAR387		

Disclaimers / Qualifiers:

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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.

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Chain of Custody

– Environmental Lead –

003768401

Contact Information

Client Company:	Kart Environmental	**Project Number:**	24-0702
Office Address:	20 Lauck Rd	**Project Name:**	Hackensack High School
City, State, Zip:	Mohnton, PA	**Primary Contact:**	Angela Meas
Fax Number:	610-856-5040	**Office Phone:**	610-856-7700
Email Address:	ameas@kartenv.com	**Cell Phone:**	484-345-9846

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):	[signature]	Date: 9/4/24	Time: _____
Received (Name / iATL):	_____	Date: _____	Time: SEP – 4 2024
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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Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Sample Log

–Environmental Lead –

Client: Kael Environmental Project: 24-0702 High School

Sampling Date/Time: 8/31/24 6:30AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HH-BF1-M6L	7786104	Gym-Main Lobby Right Bottle Filler				250mL	
HH-FB-1-M6L	7786105	Gym-Main Lobby Right Bubbler				↓	
* HH-BF-2-M6L	7786106	Gym-Main Lobby Middle Bottle filler					
HH-FB-2-M6L	7786107	Gym - main Lobby Middle Bubbler					
HH-FB3-M6L	7786108	Gym-Main Lobby Left Bubbler					
HH-FBH-M6L	7786109	Gym-Main Lobby Left Bubbler					
HH-BFH-M6L	7786110	Gym-Main Lobby Left Bottle filler					
HH-BF5-M6L	7786111	Gym-Main Lobby Right Bottle filler					
HH-FB5-M6L	7786112	Gym-Main Lobby Right Bubbler					
HH-FB-Rear Gym	7786113	Bubbler					
HH-S01-195	7786114	Sink HH-S01-195					
** HH-S02-195	7786115	Sink HH-S02-195					
HH-S03-195	7786116	Sink HH-S03-195					
HH-S04-195	7786117	Sink HH-S04-195					
HH-PotFiller-195	7786118	Pot filler					

* = *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 7786115

*labeled HH-BF3-M6L

** sample at a time Sample not read

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Sample Log

–Environmental Lead –

Client: Kael Environmental Project: 24-0702 High School

Sampling Date/Time: 8/31/24 6:30 AM

Client Sample #	iATL #	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
HH-S05-195	7786119	Sink HH-S05-195				250mL ↓	
HH-S02-CAFE	7786120	Cafe Kitchen					
HH-S01-CAFE	7786121	Cafe Kitchen					
HH-S03-CAFE	7786122	Cafe Kitchen					
HH-S04-CAFE	7786123	Cafe Kitchen					
HH-ICM-CAFE	7786124	Ice Machine					
HH-S0- Custodian	7786125	Custodian Break Room					
HH-fieldblank	7786126	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: 9/3/2024
Report No.: 703936 - Lead Water
Project: ECDC
Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7782907 **Client No.:**ECDC-Blank	**Location:**Blank * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782908 **Client No.:**ECDC-01	**Location:**Cafe Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782909 **Client No.:**ECDC-02	**Location:**Cafe Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782910 **Client No.:**ECDC-03	**Location:**Kitchen Line Sink * Sample acidified to pH <2.	**Result(ppb):**6.30
Lab No.:7782911 **Client No.:**ECDC-04	**Location:**Dish Sink * Sample acidified to pH <2.	**Result(ppb):**1.10
Lab No.:7782912 **Client No.:**ECDC-05	**Location:**112 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782913 **Client No.:**ECDC-06	**Location:**112 Bubbler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782914 **Client No.:**ECDC-07	**Location:**206 Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7782915 **Client No.:**ECDC-08	**Location:**206 Bubbler * 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: 8/22/2024
Date Analyzed: 09/03/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

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CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group
20 Lauck Road
Mohnton PA 19540

Client: KAR387

Report Date: 9/3/2024
Report No.: 703936 - Lead Water
Project: ECDC
Project No.: 24-0702

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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Email: customerservice@iatl.com

CERTIFICATE OF ANALYSIS

Client:	Karl Environmental Group	Report Date:	9/3/2024
	20 Lauck Road	Report No.:	703936 - Lead Water
	Mohnton PA 19540	Project:	ECDC
		Project No.:	24-0702
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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003755197

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	Karl Environmental	**Project Number:**	24-0702
Office Address:	20 Lauck Rd.	**Project Name:**	ECDC
City, State, Zip:	Hohnton, PA 19540	**Primary Contact:**	Sean Kennedy
Fax Number:	610-898-5040	**Office Phone:**	610-856-7700
Email Address:	skennedy@karlenv.com, tdeerhake@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):		Date:	8/22/24	Time:
Received (Name / iATL):		Date:	8/22/24	Time: 10:45 am
Sample Login (Name / iATL):		Date:		Time: AUG 22 2024
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: 24-0702 ECDC

Sampling Date/Time: 8/22/24

Client Sample #	iATL #	Location/ Description	Flow Rate	Start / End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
ECDC-BLANK	7782907	Blank				200 mL	
ECDC-01	7782908	Cafe Bubbler					
ECDC-02	7782909	Cafe Bottle filler					
ECDC-03	7782910	Kitchen Island sink					
ECDC-04	7782911	Dish sink					
ECDC-05	7782912	112 Bottle filler					
ECDC-06	7782913	112 Bubbler					
ECDC-07	7782914	206 Bottle filler					
ECDC-08	7782915	206 Bubbler					

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